ANCHOR QEA

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October 25, 2016

Sarah Saucier, P.E.
Division of Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233

Re: Surface Water Sampling Data Summary
Former Mohican Street Manufactured Gas Plant – Operable Unit 02
Glens Falls, New York

Dear Ms. Saucier:

On behalf of National Grid, Anchor QEA Engineering, PLLC (Anchor QEA) has prepared this letter to transmit the results for surface water sampling performed in Operable Unit 02 (OU-2) at the former Mohican Street manufactured gas plant (MGP) site located in Glens Falls, New York (the Site; Figure 1). OU-2 includes the portion of the Site located in the Hudson River containing MGP-related tar deposits (Figure 2). A summary of the surface water sampling activities and results is presented below.

SURFACE WATER SAMPLING ACTIVITIES

As outlined in the approved *Project Update and Proposed Supplemental Investigations* letter (Work Plan) submitted to New York State Department of Environmental Conservation (NYSDEC) on October 9, 2015, surface water sampling was performed as part of supplemental investigations at the Site to evaluate the potential impact of dissolved contaminants from OU-2 on the Hudson River.

As described in the Work Plan, two surface water sampling events were initially planned. Accordingly, Anchor QEA completed surface water sampling events on December 17, 2015, and March 16, 2016.

After reviewing the data from the two initial sampling events, a third surface water sampling event was proposed for the summer of 2016 to evaluate if warmer water temperatures and lower river flows (compared to the first two rounds of sampling) would affect the detected concentrations of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), or polycyclic aromatic hydrocarbons (PAHs). The third surface water sampling event was proposed in a June 2, 2016 e-mail from Anchor QEA to NYSDEC. On August 10, 2016, Anchor QEA completed the third surface water sampling event.

During each sampling event, surface water samples were collected at three locations within the Hudson River—one location upstream of OU-2 (SW-1), one location within OU-2 (SW-2), and one location downstream of OU-2 (SW-3). Figure 3 shows the three surface water sampling locations.

At each sampling location, three grab samples were collected using a peristaltic pump and dedicated tubing. The surface water grab samples were collected from the following depths at each location: 1) approximately 1 foot below the water surface; 2) the middle of the water column; and 3) approximately 1 foot above the river bottom. In addition, a water quality sonde was deployed at each sampling location to measure physical parameters (i.e., pH, turbidity, dissolved oxygen, and temperature) throughout the water column. Water quality parameter data collected during the surface water sampling events is presented in Attachment A.

The surface water samples were collected in laboratory-provided sample containers and submitted to Alpha Analytical, Inc., for laboratory analysis for VOCs, PAHs, SVOCs, total suspended solids, total organic carbon, and dissolved organic carbon.

During the third (August 2016) sampling event, tar present on the river bottom was disturbed while sampling at location SW-2 (i.e., the sampling location within OU-2; Figure 3). Specifically, tar was observed on an anchor used to position the sample tubing in the water column when the anchor was brought to the surface after sampling. Attachment B presents a photograph that shows tar on the anchor. No tar or sheen was observed discharging from the sampling tubing into the sample containers during collection. In addition, no tar was observed on any sampling equipment during the other sampling events

even though the same sampling procedures were followed. It is possible that the higher water temperature during the third sampling event affected the viscosity of the tar on the river bottom (the water temperature was 25.3 degrees Celsius (°C) during the August 2016 sampling event, compared to 5.8 °C and 3.9 °C during the December 2015 and March 2016 sampling events, respectively). In accordance with the Work Plan, further assessment of the nature and extent of tar on the river bottom within OU-2 was performed via a diver survey during the week of October 17, 2016, as part of other supplemental investigation activities. The findings from the tar survey will be presented in a separate data summary report that will be submitted to NYSDEC.

Investigation-derived waste materials (i.e., sample tubing, sampling supplies, personnel protective equipment) generated during the sampling activities were collected and containerized in a labeled 55-gallon drum staged at Operable Unit 01 (OU-1) for subsequent characterization and disposal by National Grid.

SURFACE WATER SAMPLING RESULTS

Following receipt, the surface water analytical results were reviewed, tabulated, and submitted for data validation. Summaries of the validated analytical results from the December 2015 and March 2016 surface water sampling events were previously transmitted by e-mail to NYSDEC on March 17, 2016, and June 2, 2016, respectively.

Table 1 (attached) summarizes the validated analytical results from all three surface water sampling events. For comparison, Table 1 also includes corresponding NYSDEC surface water standards and guidance values (as available). The laboratory analytical data packages for each sampling event are provided in Attachment C. Data validation summary reports are provided in Attachment D.

As summarized in Table 1, the results for the surface water sampling indicate the following:

- VOCs:
  - There were no exceedances of NYSDEC surface water quality standards or guidance values for VOCs.

- SVOCs:
  - Bis(2-ethylhexyl)phthalate was the only SVOC exceeding any NYSDEC surface water quality standard or guidance value. Bis(2-ethylhexyl)phthalate was detected above the NYSDEC surface water standard in only two samples during the third sampling event (samples SW-2C and SW-3A). Bis(2-ethylhexyl)phthalate was not detected above the NYSDEC surface water standard during the first two sampling events. Bis(2-ethylhexyl)phthalate is a relatively common laboratory and field contaminant. Bis(2-ethylhexyl)phthalate is a man-made chemical that is used in the production of polyvinyl chloride and other plastics to improve flexibility.[1] Bis(2-ethylhexyl)phthalate is not commonly associated with MGP contamination. It is believed that the detections of bis(2-ethylhexyl)phthalate are likely the result of field contamination or some other source not associated with the former MGP operations.
  - No other SVOCs exceeded NYSDEC surface water quality standards or guidance values.
- PAHs:
  - No PAHs exceeded NYSDEC surface water quality standards.
  - Table 2 summarizes the PAH compounds detected at each sampling location above NYSDEC surface water guidance values. As summarized in Table 2, six individual PAH compounds exceeded NYSDEC surface water guidance values at the upstream sampling location (SW-1), while only two individual PAH compounds exceeded NYSDEC surface water guidance values at the sampling location above the tar limits in OU-2 (SW-2) and at the downstream sampling location (SW-3). These data indicate that the tar on the river bottom is not causing an increase in constituent concentrations compared to upstream and is not causing water quality exceedances above NYSDEC surface water standards or guidance values.
  - All PAH detections above NYSDEC surface water guidance values were reported as estimated concentrations (i.e., "J" qualifiers) due to the low level detections

[1] Agency for Toxic Substances & Disease: https://www.atsdr.cdc.gov/substances/toxsubstance.asp?toxid=65

(i.e., the reported concentration is less than the reporting limit but greater than the method detection limit).

- Detected naphthalene concentrations were below the NYSDEC surface water standard and guidance values. It is noted, however, that the naphthalene concentration (i.e., 0.366 micrograms per liter [µg/L]) detected during the third sampling event in sample SW-2A (from approximately 1 foot below the water surface) was higher than the naphthalene concentrations detected at the same location during first two sampling events (i.e., 0.009 µg/L and 0.00652 µg/L, both estimated concentrations). This increase in naphthalene concentration was likely associated with the disturbance of tar at this sample location (as described above).
- Total PAH concentrations in the surface water samples were consistent at each sampling location for all three sampling events, with the exception of sample location SW-2A which was higher during the third sampling event due to the detected naphthalene concentration described above.

Table 2
PAH Detections above NYSDEC Surface Water Guidance Values

PAH Compound	SW-1 (Upstream of OU-2)	SW-2 (Above Tar within OU-2)	SW-3 (Downstream of OU-2)
Benzo(a)anthracene	X	X	X
Benzo(a)pyrene	X	X	X
Benzo(b)fluoranthene	X		
Benzo(k)fluoranthene	X		
Chrysene	X		
Indeno(1,2,3-c,d)pyrene	X		

Notes:
1 X = A PAH compound was detected above one or more NYSDEC surface water guidance values.
2 All PAH compounds detected above NYSDEC guidance values were reported as estimated concentrations (i.e., with a "J" qualifier).
3 See Table 1 for PAH concentrations.

CONCLUSIONS

The following conclusions are based on evaluation of the surface water sampling data described above:

- The surface water sampling data indicate that the presence of undisturbed tar on the river bottom is not causing an increase in constituent concentrations compared to upstream and is not causing water quality exceedances above NYSDEC surface water standards or guidance values. As such, no additional surface water sampling events are warranted at this time.
- The two isolated surface water quality exceedances for bis(2-ethylhexyl)phthalate do not appear to be related to the former MGP operations.

If you have any questions regarding the information presented herein, please contact me at 315-453-9009 or acorbin@anchorqea.com.

Sincerely,

Andrew Corbin, P.E.
Principal
Anchor QEA Engineering, PLLC

cc: Garry Cummings, National Grid
William Monette, O'Brien & Gere
Paul Doody, P.E., Anchor QEA
Matt Cavas, Anchor QEA

Attachments:
Table 1 – Surface Water Sampling Results
Figure 1 – Vicinity Map
Figure 2 – Operable Unit 2 – Hudson River
Figure 3 – Surface Water Sampling Locations
Attachment A – Water Quality Monitoring Parameters Summary
Attachment B – Photograph Showing Tar on Anchor After Sampling
Attachment C – Laboratory Analytical Data Packages
Attachment D – Data Validation Summary Reports

TABLE

Table 1
Surface Water Sampling Results

		Source of Drinking Water (surface water)	Human Consumption of Fish (fresh waters)	Fish Propagation (fresh waters)	Fish Survival (fresh waters)	Aesthetic (fresh waters)	Location ID: SW-1	SW-1	SW-1	SW-1	SW-1	SW-1
							Sample ID: SW-1A-20151217	SW-1A-20160316	SW-1A-20160810	SW-1B-20151217	SW-1B-20160316	SW-1B-20160810
							Depth: 1 - 1 ft	1 - 1 ft	1 - 1 ft	10 - 10 ft	10 - 10 ft	10 - 10 ft
							Sample Date: 12/17/2015	3/16/2016	8/10/2016	12/17/2015	3/16/2016	8/10/2016
							X: 720008.273	720008.273	720008.273	720008.273	720008.273	720008.273
							Y: 1629514.266	1629514.266	1629514.266	1629514.266	1629514.266	1629514.266
Conventional Parameters (mg/L)												
Total organic carbon	SM5310C						**3.54**	**4.23**	**3.14 J**	**3.25**	**4.47**	**3.41 J**
Total suspended solids	SM2540D						5 U	5 U	5 U	5 U	5 U	5 U
Conventional Parameters, Dissolved (mg/L)												
Dissolved organic carbon	SM5310C						**3.5 J**	**3.8**	**4**	**3.5 J**	**4.1**	**3.8**
Volatile Organics (µg/L)												
1,1,1-Trichloroethane	SW8260C	5					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	SW8260C	0.2					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	SW8260C	5					10 UJ	10 U	10 U	10 UJ	10 U	10 U
1,1,2-Trichloroethane	SW8260C	1					0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethane	SW8260C	5					0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethene	SW8260C	0.7					0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
1,2,3-Trichlorobenzene	SW8260C	5		5		10	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 UJ
1,2,4-Trichlorobenzene	SW8260C	5		5		10	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 UJ
1,2-Dibromo-3-chloropropane	SW8260C	0.04					2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 UJ
1,2-Dichlorobenzene	SW8260C	3		5			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	SW8260C	0.6					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene	SW8260C						--	0.5 U	--	--	0.5 U	--
1,2-Dichloroethene, cis-	SW8260C	5					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene, trans-	SW8260C	5					0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,2-Dichloropropane	SW8260C	1					1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
1,3-Dichlorobenzene	SW8260C	3		5		20	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropene	SW8260C						--	0.5 U	--	--	0.5 U	--
1,3-Dichloropropene, cis-	SW8260C						0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropene, trans-	SW8260C	0.4					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	SW8260C	3		5		30	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone (Methyl butyl ketone)	SW8260C	50					5 UJ	5 U	5 U	5 UJ	5 U	5 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	SW8260C						5 UJ	5 U	5 U	5 UJ	5 U	5 U
Acetone	SW8260C	50					5 UJ	**2.9 J**	5 U	5 UJ	**4.5 J**	5 U
Benzene	SW8260C	1	10	210	760		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	SW8260C	5					2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	SW8260C	50					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform (Tribromomethane)	SW8260C	50					2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane (Methyl bromide)	SW8260C	5					1 U	**0.61 J**	1 U	1 U	**0.64 J**	1 U
Carbon disulfide	SW8260C						5 UJ	5 U	5 U	5 UJ	5 U	5 U
Carbon tetrachloride (Tetrachloromethane)	SW8260C	0.4					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 1
Surface Water Sampling Results

		Source of Drinking Water (surface water)	Human Consumption of Fish (fresh waters)	Fish Propagation (fresh waters)	Fish Survival (fresh waters)	Aesthetic (fresh waters)	SW-1 SW-1A-20151217 1 - 1 ft 12/17/2015 720008.273 1629514.266	SW-1 SW-1A-20160316 1 - 1 ft 3/16/2016 720008.273 1629514.266	SW-1 SW-1A-20160810 1 - 1 ft 8/10/2016 720008.273 1629514.266	SW-1 SW-1B-20151217 10 - 10 ft 12/17/2015 720008.273 1629514.266	SW-1 SW-1B-20160316 10 - 10 ft 3/16/2016 720008.273 1629514.266	SW-1 SW-1B-20160810 10 - 10 ft 8/10/2016 720008.273 1629514.266
Location ID / Sample ID / Depth / Sample Date / X / Y												
Chlorobenzene	SW8260C	5	400	5		20	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	SW8260C	5					1 UJ	1 U	1 U	1 UJ	1 U	1 U
Chloroform	SW8260C	7					0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Chloromethane	SW8260C						2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 U
Cyclohexane	SW8260C						10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	SW8260C	50					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	SW8260C	5					5 U	5 U	5 UJ	5 U	5 U	5 UJ
Dichloromethane (Methylene chloride)	SW8260C	5	200				3 U	3 U	3 U	3 U	3 U	3 U
Ethylbenzene	SW8260C	5		17	150		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylene dibromide (1,2-Dibromoethane)	SW8260C	6.00E-04					2 U	2 U	2 U	2 U	2 U	2 U
Isopropylbenzene (Cumene)	SW8260C	5		2.6	23		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-Xylene	SW8260C						1 U	1 U	1 U	1 U	1 U	1 U
Methyl acetate	SW8260C						10 U	10 U	10 UJ	10 U	10 U	10 UJ
Methyl ethyl ketone (2-Butanone)	SW8260C						5 UJ	5 U	5 U	5 UJ	5 U	5 U
Methyl tert-butyl ether (MTBE)	SW8260C	10					1 U	1 U	1 UJ	1 U	1 U	1 UJ
Methylcyclohexane	SW8260C						10 U	10 U	10 U	10 U	10 U	10 U
o-Xylene	SW8260C	5					1 U	1 U	1 U	1 U	1 U	1 U
Styrene	SW8260C	5				50	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	SW8260C	0.7	1				0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	SW8260C	5	6000	100	480		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Trichloroethene (TCE)	SW8260C	5	40				0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane (Fluorotrichloromethane)	SW8260C	5					2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U
Vinyl acetate	SW8260C						5 U	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	SW8260C	0.3					1 U	1 U	1 U	1 U	1 U	1 U
Semivolatile Organics (µg/L)												
1,2,4,5-Tetrachlorobenzene	SW8270D	5				10	0.526 UJ	0.568 U	0.5 U	0.505 UJ	0.51 U	0.5 UJ
1,2,4-Trichlorobenzene	SW8270D	5		5		10	0.526 UJ	0.568 U	0.5 UJ	0.505 UJ	0.51 U	0.5 UJ
1,2-Dichlorobenzene	SW8270D	3		5			0.526 UJ	0.568 U	0.5 UJ	0.505 UJ	0.51 U	0.5 UJ
1,3-Dichlorobenzene	SW8270D	3		5		20	0.526 UJ	0.568 U	0.5 UJ	0.505 UJ	0.51 U	0.5 UJ
1,4-Dichlorobenzene	SW8270D	3		5		30	0.526 UJ	0.568 U	0.5 UJ	0.505 UJ	0.51 U	0.5 UJ
2,2'-Oxybis (1-chloropropane)	SW8270D						0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
2,3,4,6-Tetrachlorophenol	SW8270D						0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
2,4,5-Trichlorophenol	SW8270D						0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
2,4,6-Trichlorophenol	SW8270D						0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
2,4-Dichlorophenol	SW8270D	5				0.3	0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
2,4-Dimethylphenol	SW8270D	50	1000			1	2.1 U	2.27 U	2 U	2.02 U	2.04 U	2 U
2,4-Dinitrophenol	SW8270D	10	400			1	5.26 UJ	5.68 U	5 U	5.05 UJ	5.1 U	5 U

Table 1
Surface Water Sampling Results

						Location ID	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1
						Sample ID	SW-1A-20151217	SW-1A-20160316	SW-1A-20160810	SW-1B-20151217	SW-1B-20160316	SW-1B-20160810
						Depth	1 - 1 ft	1 - 1 ft	1 - 1 ft	10 - 10 ft	10 - 10 ft	10 - 10 ft
						Sample Date	12/17/2015	3/16/2016	8/10/2016	12/17/2015	3/16/2016	8/10/2016
						X	720008.273	720008.273	720008.273	720008.273	720008.273	720008.273
						Y	1629514.266	1629514.266	1629514.266	1629514.266	1629514.266	1629514.266
		Source of Drinking Water (surface water)	Human Consumption of Fish (fresh waters)	Fish Propagation (fresh waters)	Fish Survival (fresh waters)	Aesthetic (fresh waters)						
2,4-Dinitrotoluene	SW8270D	5					0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
2,6-Dinitrotoluene	SW8270D	0.07					0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
2-Chloronaphthalene	SW8270D					10	0.526 UJ	0.568 U	0.5 U	0.505 UJ	0.51 U	0.5 UJ
2-Chlorophenol	SW8270D						0.526 UJ	0.568 U	0.5 U	0.505 UJ	0.51 U	0.5 U
2-Methylphenol (o-Cresol)	SW8270D						0.526 UJ	0.568 U	0.5 U	0.505 UJ	0.51 U	0.5 U
2-Nitroaniline	SW8270D	5					0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
2-Nitrophenol	SW8270D						0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
3,3'-Dichlorobenzidine	SW8270D	5					0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270D						0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 UJ
3-Nitroaniline	SW8270D	5					0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
4-Bromophenyl-phenyl ether	SW8270D						0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
4-Chloro-3-methylphenol	SW8270D						0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
4-Chloroaniline	SW8270D	5					0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
4-Chlorophenyl phenyl ether	SW8270D						0.526 UJ	0.568 U	0.5 U	0.505 UJ	0.51 U	0.5 U
4-Nitroaniline	SW8270D	5					0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
4-Nitrophenol	SW8270D						2.63 UJ	2.84 UJ	2.5 UJ	2.52 UJ	2.55 UJ	2.5 UJ
Acetophenone	SW8270D						1.05 U	**0.908 J**	1 U	1.01 U	1.02 U	1 U
Aniline	SW8270D	5					1.05 U	1.14 U	1 U	1.01 U	1.02 U	1 UJ
Atrazine	SW8270D	3					0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
Azobenzene	SW8270D	0.5					0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
Benzaldehyde	SW8270D						2.1 UJ	2.27 U	2 U	2.02 UJ	2.04 U	2 U
Benzidine	SW8270D	0.02		0.1	0.1		105 UJ	114 UJ	100 UJ	101 UJ	102 UJ	100 UJ
Benzoic acid	SW8270D						42.1 UJ	45.4 UJ	40 UJ	40.4 UJ	40.8 UJ	40 UJ
Benzyl alcohol	SW8270D						0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
Biphenyl (1,1'-Biphenyl)	SW8270D	5					0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
bis(2-Chloroethoxy)methane	SW8270D	5					0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
bis(2-Chloroethyl)ether	SW8270D	0.03					0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
bis(2-Ethylhexyl)phthalate	SW8270D	5		0.6			0.526 U	0.568 U	**0.226 J**	0.505 U	0.51 U	**0.222 J**
Butylbenzyl phthalate	SW8270D	50					**0.09 J**	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
Caprolactam	SW8270D						2.1 UJ	2.27 UJ	2 UJ	2.02 UJ	2.04 UJ	2 UJ
Carbazole	SW8270D						0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
Dibenzofuran	SW8270D						0.526 UJ	0.568 U	0.5 U	0.505 UJ	0.51 U	0.5 U
Diethyl phthalate	SW8270D	50					0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
Dimethyl phthalate	SW8270D	50					0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
Di-n-butyl phthalate	SW8270D	50					0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270D						2.1 U	2.27 U	2 U	2.02 U	2.04 U	2 U
Di-n-octyl phthalate	SW8270D	50					1.05 U	1.14 U	1 U	1.01 U	1.02 U	1 U

Table 1
Surface Water Sampling Results

		Source of Drinking Water (surface water)	Human Consumption of Fish (fresh waters)	Fish Propagation (fresh waters)	Fish Survival (fresh waters)	Aesthetic (fresh waters)	Location ID / Sample ID / Depth / Sample Date / X / Y	SW-1 SW-1A-20151217 1 - 1 ft 12/17/2015 720008.273 1629514.266	SW-1 SW-1A-20160316 1 - 1 ft 3/16/2016 720008.273 1629514.266	SW-1 SW-1A-20160810 1 - 1 ft 8/10/2016 720008.273 1629514.266	SW-1 SW-1B-20151217 10 - 10 ft 12/17/2015 720008.273 1629514.266	SW-1 SW-1B-20160316 10 - 10 ft 3/16/2016 720008.273 1629514.266	SW-1 SW-1B-20160810 10 - 10 ft 8/10/2016 720008.273 1629514.266
Hexachlorobenzene	SW8270D	0.04	0.00003					0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270D	0.5	0.01	1	10			0.526 UJ	0.568 U	0.5 UJ	0.505 UJ	0.51 U	0.5 UJ
Hexachlorocyclopentadiene	SW8270D	5		0.45	4.5	1		0.526 UJ	0.568 U	0.5 UJ	0.505 UJ	0.51 U	0.5 UJ
Hexachloroethane	SW8270D	5	0.6					0.526 UJ	0.568 U	0.5 UJ	0.505 UJ	0.51 U	0.5 UJ
Isophorone	SW8270D	50						0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
Nitrobenzene	SW8270D	0.4				30		0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
n-Nitrosodimethylamine	SW8270D							0.526 UJ	0.568 UJ	0.5 UJ	0.505 UJ	0.51 UJ	0.5 UJ
n-Nitrosodi-n-propylamine	SW8270D							0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
n-Nitrosodiphenylamine	SW8270D	50						0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
Pentachloronitrobenzene (Quintozene)	SW8270D							0.526 U	0.568 U	0.5 U	0.505 U	0.51 U	0.5 U
Pentachlorophenol	SW8270D			1	1	1		2.1 UJ	2.27 U	2 U	2.02 UJ	2.04 U	2 U
Phenol	SW8270D					1		0.526 UJ	0.568 UJ	0.5 UJ	0.505 UJ	0.51 UJ	0.5 UJ
Pyridine	SW8270D	0.04						0.526 UJ	0.568 UJ	0.5 UJ	0.505 UJ	0.51 UJ	0.5 UJ
Polycyclic Aromatic Hydrocarbons (µg/L)													
2-Methylnaphthalene	SW8270DSIM			4.7	42			**0.00152 J**	**0.00142 J**	0.0099 U	**0.00143 J**	**0.00128 J**	0.01 U
Acenaphthene	SW8270DSIM			5.3	48	20		0.0103 U	0.0103 U	0.0099 U	0.0102 U	0.0101 U	0.01 U
Acenaphthylene	SW8270DSIM							0.0103 U	0.0103 U	**0.00178 J**	0.0102 U	0.0101 U	0.01 U
Anthracene	SW8270DSIM	50		3.8	35			0.0103 U	0.0103 U	0.0099 U	0.0102 U	0.0101 U	0.01 U
Benzo(a)anthracene	SW8270DSIM	0.002		0.03	0.23			**0.00599 J**	0.0103 U	**0.00754 J**	**0.00511 J**	0.0101 U	**0.00428 J**
Benzo(a)pyrene	SW8270DSIM	0.002	0.0012					**0.00615 J**	0.0103 U	**0.00769 J**	**0.00649 J**	0.0101 U	**0.00397 J**
Benzo(b)fluoranthene	SW8270DSIM	0.002						0.0103 U	0.0103 U	**0.00538 J**	0.0102 U	0.0101 U	**0.00316 J**
Benzo(g,h,i)perylene	SW8270DSIM							**0.00514 J**	0.0103 U	**0.00466 J**	**0.00559 J**	0.0101 U	**0.0024 J**
Benzo(k)fluoranthene	SW8270DSIM	0.002						0.0103 U	0.0103 U	**0.00661 J**	0.0102 U	0.0101 U	**0.0035 J**
Chrysene	SW8270DSIM	0.002						0.0103 U	0.0103 U	**0.00633 J**	0.0102 U	0.0101 U	**0.0037 J**
Dibenzo(a,h)anthracene	SW8270DSIM							**0.00528 J**	0.0103 U	**0.000956 J**	**0.00528 J**	0.0101 U	0.01 U
Fluoranthene	SW8270DSIM	50						0.0103 U	**0.00163 J**	**0.0121**	**0.00205 J**	0.0101 U	**0.00982 J**
Fluorene	SW8270DSIM	50		0.54	4.8			0.0103 U	0.0103 U	0.0099 U	0.0102 U	0.0101 U	0.01 U
Indeno(1,2,3-c,d)pyrene	SW8270DSIM	0.002						0.0103 U	0.0103 U	**0.00457 J**	0.0102 U	0.0101 U	**0.00266 J**
Naphthalene	SW8270DSIM			13	110	10		**0.00544 J**	**0.00523 J**	**0.00236 J**	**0.00481 J**	**0.0053 J**	0.01 U
Phenanthrene	SW8270DSIM	50		5	45			**0.00248 J**	**0.00233 J**	**0.00619 J**	**0.0025 J**	**0.00207 J**	**0.0072 J**
Pyrene	SW8270DSIM	50		4.6	42			0.0103 U	0.0103 U	**0.0135**	0.0102 U	0.0101 U	**0.00891 J**
Total HPAH (9 of 16) (U = 1/2)								**0.05346 J**	**0.04798 J**	**0.069336 J**	**0.05002 J**	0.0101 U	**0.0474 J**
Total LPAH (7 of 16) (U = 1/2)								**0.03004 J**	**0.02958 J**	**0.03013 J**	**0.02914 J**	**0.02885 J**	**0.0372 J**
Total PAH (16) (U = 1/2)								**0.0835 J**	**0.07756 J**	**0.099466 J**	**0.07916 J**	**0.07935 J**	**0.0846 J**
Total HPAH (9 of 16) (U = 0)								**0.02256 J**	**0.00163 J**	**0.069336 J**	**0.02452 J**	0.0101 U	**0.0424 J**
Total LPAH (7 of 16) (U = 0)								**0.00944 J**	**0.00898 J**	**0.01033 J**	**0.00874 J**	**0.00865 J**	**0.0072 J**
Total PAH (16) (U = 0)								**0.032 J**	**0.01061 J**	**0.079666 J**	**0.03326 J**	**0.00865 J**	**0.0496 J**

Table 1
Surface Water Sampling Results

		Source of Drinking Water (surface water)	Human Consumption of Fish (fresh waters)	Fish Propagation (fresh waters)	Fish Survival (fresh waters)	Aesthetic (fresh waters)	SW-1 SW-1C-20151217 19 - 19 ft 12/17/2015 720008.273 1629514.266	SW-1 SW-1C-20160316 19 - 19 ft 3/16/2016 720008.273 1629514.266	SW-1 SW-1C-20160810 19 - 19 ft 8/10/2016 720008.273 1629514.266	SW-2 SW-2A-20151217 1 - 1 ft 12/17/2015 720149.991 1630243.718	SW-2 SW-2A-20160316 1 - 1 ft 3/16/2016 720149.991 1630243.718	SW-2 SW-2A-20160810 1 - 1 ft 8/10/2016 720149.991 1630243.718
Location ID												
Sample ID												
Depth												
Sample Date												
X												
Y												
Conventional Parameters (mg/L)												
Total organic carbon	SM5310C						**3.39**	**4.31**	**3.42 J**	**3.21**	**4.26**	**3.84 J**
Total suspended solids	SM2540D						5 U	5 U	5 U	5 U	5 U	5 U
Conventional Parameters, Dissolved (mg/L)												
Dissolved organic carbon	SM5310C						**3.5 J**	**3.7**	**3.8**	**3.6 J**	**3.8**	**3.3**
Volatile Organics (µg/L)												
1,1,1-Trichloroethane	SW8260C	5					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	SW8260C	0.2					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	SW8260C	5					10 UJ	10 U	10 U	10 UJ	10 U	10 U
1,1,2-Trichloroethane	SW8260C	1					0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethane	SW8260C	5					0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethene	SW8260C	0.7					0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
1,2,3-Trichlorobenzene	SW8260C	5		5		10	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 UJ
1,2,4-Trichlorobenzene	SW8260C	5		5		10	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 UJ
1,2-Dibromo-3-chloropropane	SW8260C	0.04					2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 UJ
1,2-Dichlorobenzene	SW8260C	3		5			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	SW8260C	0.6					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene	SW8260C						--	0.5 U	--	--	0.5 U	--
1,2-Dichloroethene, cis-	SW8260C	5					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene, trans-	SW8260C	5					0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,2-Dichloropropane	SW8260C	1					1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
1,3-Dichlorobenzene	SW8260C	3		5		20	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropene	SW8260C						--	0.5 U	--	--	0.5 U	--
1,3-Dichloropropene, cis-	SW8260C						0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropene, trans-	SW8260C	0.4					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	SW8260C	3		5		30	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone (Methyl butyl ketone)	SW8260C	50					5 UJ	5 U	5 U	5 UJ	5 U	5 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	SW8260C						5 UJ	5 U	5 U	5 UJ	5 U	5 U
Acetone	SW8260C	50					5 UJ	**10**	**1.7 J**	5 UJ	**5**	5 U
Benzene	SW8260C	1	10	210	760		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	SW8260C	5					2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	SW8260C	50					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform (Tribromomethane)	SW8260C	50					2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane (Methyl bromide)	SW8260C	5					1 U	1 U	1 U	1 U	**0.58 J**	1 U
Carbon disulfide	SW8260C						5 UJ	5 U	5 U	5 UJ	5 U	5 U
Carbon tetrachloride (Tetrachloromethane)	SW8260C	0.4					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 1
Surface Water Sampling Results

		Source of Drinking Water (surface water)	Human Consumption of Fish (fresh waters)	Fish Propagation (fresh waters)	Fish Survival (fresh waters)	Location ID Sample ID Depth Sample Date X Y Aesthetic (fresh waters)	SW-1 SW-1C-20151217 19 - 19 ft 12/17/2015 720008.273 1629514.266	SW-1 SW-1C-20160316 19 - 19 ft 3/16/2016 720008.273 1629514.266	SW-1 SW-1C-20160810 19 - 19 ft 8/10/2016 720008.273 1629514.266	SW-2 SW-2A-20151217 1 - 1 ft 12/17/2015 720149.991 1630243.718	SW-2 SW-2A-20160316 1 - 1 ft 3/16/2016 720149.991 1630243.718	SW-2 SW-2A-20160810 1 - 1 ft 8/10/2016 720149.991 1630243.718
Chlorobenzene	SW8260C	5	400	5		20	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	SW8260C	5					1 UJ	1 U	1 U	1 UJ	1 U	1 U
Chloroform	SW8260C	7					0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Chloromethane	SW8260C						2.5 U	**0.29 J**	2.5 U	2.5 U	2.5 UJ	2.5 U
Cyclohexane	SW8260C						10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	SW8260C	50					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	SW8260C	5					5 U	5 U	5 UJ	5 U	5 U	5 UJ
Dichloromethane (Methylene chloride)	SW8260C	5	200				3 U	3 U	3 U	3 U	3 U	3 U
Ethylbenzene	SW8260C	5		17	150		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylene dibromide (1,2-Dibromoethane)	SW8260C	6.00E-04					2 U	2 U	2 U	2 U	2 U	2 U
Isopropylbenzene (Cumene)	SW8260C	5		2.6	23		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-Xylene	SW8260C						1 U	1 U	1 U	1 U	1 U	1 U
Methyl acetate	SW8260C						10 U	10 U	10 UJ	10 U	10 U	10 UJ
Methyl ethyl ketone (2-Butanone)	SW8260C						5 UJ	5 U	5 U	5 UJ	5 U	5 U
Methyl tert-butyl ether (MTBE)	SW8260C	10					1 U	1 U	1 UJ	1 U	1 U	1 UJ
Methylcyclohexane	SW8260C						10 U	10 U	10 U	10 U	10 U	10 U
o-Xylene	SW8260C	5					1 U	1 U	1 U	1 U	1 U	1 U
Styrene	SW8260C	5				50	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	SW8260C	0.7	1				0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	SW8260C	5	6000	100	480		0.75 U	0.75 U	0.75 U	**0.17 J**	0.75 U	0.75 U
Trichloroethene (TCE)	SW8260C	5	40				0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane (Fluorotrichloromethane)	SW8260C	5					2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U
Vinyl acetate	SW8260C						5 U	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	SW8260C	0.3					1 U	1 U	1 U	1 U	1 U	1 U
Semivolatile Organics (µg/L)												
1,2,4,5-Tetrachlorobenzene	SW8270D	5				10	0.532 UJ	0.526 U	0.505 U	0.505 UJ	0.515 U	0.5 U
1,2,4-Trichlorobenzene	SW8270D	5		5		10	0.532 UJ	0.526 U	0.505 UJ	0.505 UJ	0.515 U	0.5 UJ
1,2-Dichlorobenzene	SW8270D	3		5			0.532 UJ	0.526 U	0.505 UJ	0.505 UJ	0.515 U	0.5 UJ
1,3-Dichlorobenzene	SW8270D	3		5		20	0.532 UJ	0.526 U	0.505 UJ	0.505 UJ	0.515 U	0.5 UJ
1,4-Dichlorobenzene	SW8270D	3		5		30	0.532 UJ	0.526 U	0.505 UJ	0.505 UJ	0.515 U	0.5 UJ
2,2'-Oxybis (1-chloropropane)	SW8270D						0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
2,3,4,6-Tetrachlorophenol	SW8270D						0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
2,4,5-Trichlorophenol	SW8270D						0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
2,4,6-Trichlorophenol	SW8270D						0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
2,4-Dichlorophenol	SW8270D	5				0.3	0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
2,4-Dimethylphenol	SW8270D	50	1000			1	2.13 U	2.1 U	2.02 U	2.02 U	2.06 U	2 U
2,4-Dinitrophenol	SW8270D	10	400			1	5.32 UJ	5.26 U	5.05 U	5.05 UJ	5.15 U	5 U

Table 1
Surface Water Sampling Results

		Source of Drinking Water (surface water)	Human Consumption of Fish (fresh waters)	Fish Propagation (fresh waters)	Fish Survival (fresh waters)	Location ID Sample ID Depth Sample Date X Y Aesthetic (fresh waters)	SW-1 SW-1C-20151217 19 - 19 ft 12/17/2015 720008.273 1629514.266	SW-1 SW-1C-20160316 19 - 19 ft 3/16/2016 720008.273 1629514.266	SW-1 SW-1C-20160810 19 - 19 ft 8/10/2016 720008.273 1629514.266	SW-2 SW-2A-20151217 1 - 1 ft 12/17/2015 720149.991 1630243.718	SW-2 SW-2A-20160316 1 - 1 ft 3/16/2016 720149.991 1630243.718	SW-2 SW-2A-20160810 1 - 1 ft 8/10/2016 720149.991 1630243.718
2,4-Dinitrotoluene	SW8270D	5					0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
2,6-Dinitrotoluene	SW8270D	0.07					0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
2-Chloronaphthalene	SW8270D					10	0.532 UJ	0.526 U	0.505 U	0.505 UJ	0.515 U	0.5 U
2-Chlorophenol	SW8270D						0.532 UJ	0.526 U	0.505 U	0.505 UJ	0.515 U	0.5 U
2-Methylphenol (o-Cresol)	SW8270D						0.532 UJ	0.526 U	0.505 U	0.505 UJ	0.515 U	0.5 U
2-Nitroaniline	SW8270D	5					0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
2-Nitrophenol	SW8270D						0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
3,3'-Dichlorobenzidine	SW8270D	5					0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270D						0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
3-Nitroaniline	SW8270D	5					0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
4-Bromophenyl-phenyl ether	SW8270D						0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
4-Chloro-3-methylphenol	SW8270D						0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
4-Chloroaniline	SW8270D	5					0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
4-Chlorophenyl phenyl ether	SW8270D						0.532 UJ	0.526 U	0.505 U	0.505 UJ	0.515 U	0.5 U
4-Nitroaniline	SW8270D	5					0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
4-Nitrophenol	SW8270D						2.66 UJ	2.63 UJ	2.52 UJ	2.52 UJ	2.58 UJ	2.5 UJ
Acetophenone	SW8270D						1.06 U	1.05 U	1.01 U	1.01 U	1.03 U	1 U
Aniline	SW8270D	5					1.06 U	1.05 U	1.01 U	1.01 U	1.03 U	1 U
Atrazine	SW8270D	3					0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
Azobenzene	SW8270D	0.5					0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
Benzaldehyde	SW8270D						2.13 UJ	2.1 U	2.02 U	2.02 UJ	2.06 U	2 U
Benzidine	SW8270D	0.02		0.1	0.1		106 UJ	105 UJ	101 UJ	101 UJ	103 UJ	100 UJ
Benzoic acid	SW8270D						42.6 UJ	42.1 UJ	40.4 UJ	40.4 UJ	41.2 UJ	40 UJ
Benzyl alcohol	SW8270D						0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
Biphenyl (1,1'-Biphenyl)	SW8270D	5					0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
bis(2-Chloroethoxy)methane	SW8270D	5					0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
bis(2-Chloroethyl)ether	SW8270D	0.03					0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
bis(2-Ethylhexyl)phthalate	SW8270D	5		0.6			0.532 U	0.526 U	**0.245 J**	0.505 U	**0.236 J**	**0.272 J**
Butylbenzyl phthalate	SW8270D	50					0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
Caprolactam	SW8270D						2.13 UJ	2.1 UJ	2.02 UJ	2.02 UJ	2.06 UJ	2 UJ
Carbazole	SW8270D						0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
Dibenzofuran	SW8270D						0.532 UJ	0.526 U	0.505 U	0.505 UJ	0.515 U	0.5 U
Diethyl phthalate	SW8270D	50					0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
Dimethyl phthalate	SW8270D	50					0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
Di-n-butyl phthalate	SW8270D	50					0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270D						2.13 U	2.1 U	2.02 U	2.02 U	2.06 U	2 U
Di-n-octyl phthalate	SW8270D	50					1.06 U	1.05 U	1.01 U	1.01 U	1.03 U	1 U

Table 1
Surface Water Sampling Results

		Source of Drinking Water (surface water)	Human Consumption of Fish (fresh waters)	Fish Propagation (fresh waters)	Fish Survival (fresh waters)	Aesthetic (fresh waters)	SW-1 SW-1C-20151217 19 - 19 ft 12/17/2015 720008.273 1629514.266	SW-1 SW-1C-20160316 19 - 19 ft 3/16/2016 720008.273 1629514.266	SW-1 SW-1C-20160810 19 - 19 ft 8/10/2016 720008.273 1629514.266	SW-2 SW-2A-20151217 1 - 1 ft 12/17/2015 720149.991 1630243.718	SW-2 SW-2A-20160316 1 - 1 ft 3/16/2016 720149.991 1630243.718	SW-2 SW-2A-20160810 1 - 1 ft 8/10/2016 720149.991 1630243.718
Location ID / Sample ID / Depth / Sample Date / X / Y												
Hexachlorobenzene	SW8270D	0.04	0.00003				0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270D	0.5	0.01	1	10		0.532 UJ	0.526 U	0.505 UJ	0.505 UJ	0.515 U	0.5 UJ
Hexachlorocyclopentadiene	SW8270D	5		0.45	4.5	1	0.532 UJ	0.526 U	0.505 UJ	0.505 UJ	0.515 U	0.5 UJ
Hexachloroethane	SW8270D	5	0.6				0.532 UJ	0.526 U	0.505 UJ	0.505 UJ	0.515 U	0.5 UJ
Isophorone	SW8270D	50					0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
Nitrobenzene	SW8270D	0.4				30	0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
n-Nitrosodimethylamine	SW8270D						0.532 UJ	0.526 UJ	0.505 UJ	0.505 UJ	0.515 UJ	0.5 UJ
n-Nitrosodi-n-propylamine	SW8270D						0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
n-Nitrosodiphenylamine	SW8270D	50					0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
Pentachloronitrobenzene (Quintozene)	SW8270D						0.532 U	0.526 U	0.505 U	0.505 U	0.515 U	0.5 U
Pentachlorophenol	SW8270D			1	1	1	2.13 UJ	2.1 U	2.02 U	2.02 UJ	2.06 U	2 U
Phenol	SW8270D					1	0.532 UJ	0.526 UJ	0.505 UJ	0.505 UJ	0.515 UJ	0.5 UJ
Pyridine	SW8270D	0.04					0.532 UJ	0.526 UJ	0.505 UJ	0.505 UJ	0.515 UJ	0.5 UJ
Polycyclic Aromatic Hydrocarbons (µg/L)												
2-Methylnaphthalene	SW8270DSIM			4.7	42		**0.00132 J**	**0.0019 J**	**0.0016 J**	**0.00236 J**	**0.00169 J**	**0.0222**
Acenaphthene	SW8270DSIM			5.3	48	20	0.0109 U	0.0101 U	0.0099 U	**0.00196 J**	0.0112 U	**0.0104**
Acenaphthylene	SW8270DSIM						0.0109 U	0.0101 U	0.0099 U	0.01 U	**0.00202 J**	**0.0336**
Anthracene	SW8270DSIM	50		3.8	35		0.0109 U	0.0101 U	0.0099 U	0.01 U	0.0112 U	**0.00541 J**
Benzo(a)anthracene	SW8270DSIM	0.002		0.03	0.23		0.0109 U	0.0101 U	**0.00192 J**	**0.00513 J**	0.0112 U	0.01 U
Benzo(a)pyrene	SW8270DSIM	0.002	0.0012				0.0109 U	0.0101 U	**0.00252 J**	**0.0066 J**	0.0112 U	0.01 U
Benzo(b)fluoranthene	SW8270DSIM	0.002					0.0109 U	0.0101 U	**0.00204 J**	0.01 U	0.0112 U	0.01 U
Benzo(g,h,i)perylene	SW8270DSIM						**0.00558 J**	0.0101 U	**0.00184 J**	**0.00563 J**	0.0112 U	0.01 U
Benzo(k)fluoranthene	SW8270DSIM	0.002					0.0109 U	0.0101 U	**0.00227 J**	0.01 U	0.0112 U	0.01 U
Chrysene	SW8270DSIM	0.002					0.0109 U	0.0101 U	**0.00198 J**	**0.00116 J**	0.0112 U	0.01 U
Dibenzo(a,h)anthracene	SW8270DSIM						0.0109 U	0.0101 U	**0.000729 J**	**0.00529 J**	0.0112 U	0.01 U
Fluoranthene	SW8270DSIM	50					0.0109 U	**0.00161 J**	**0.00551 J**	**0.00303 J**	**0.0023 J**	**0.00628 J**
Fluorene	SW8270DSIM	50		0.54	4.8		0.0109 U	0.0101 U	0.0099 U	0.01 U	0.0112 U	**0.0184**
Indeno(1,2,3-c,d)pyrene	SW8270DSIM	0.002					0.0109 U	0.0101 U	**0.00226 J**	0.01 U	0.0112 U	0.01 U
Naphthalene	SW8270DSIM			13	110	10	**0.00488 J**	**0.00744 J**	**0.00643 J**	**0.009 J**	**0.00652 J**	**0.366**
Phenanthrene	SW8270DSIM	50		5	45		**0.00297 J**	**0.00262 J**	**0.0048 J**	**0.00399 J**	**0.00255 J**	**0.0272**
Pyrene	SW8270DSIM	50		4.6	42		0.0109 U	0.0101 U	**0.00492 J**	**0.002 J**	0.0112 U	**0.00425 J**
Total HPAH (9 of 16) (U = 1/2)							**0.05463 J**	**0.04706 J**	**0.025989 J**	**0.04384 J**	**0.0527 J**	**0.05053 J**
Total LPAH (7 of 16) (U = 1/2)							**0.03097 J**	**0.03216 J**	**0.03263 J**	**0.03231 J**	**0.02958 J**	**0.48321 J**
Total PAH (16) (U = 1/2)							**0.0856 J**	**0.07922 J**	**0.058619 J**	**0.07615 J**	**0.08228 J**	**0.53374 J**
Total HPAH (9 of 16) (U = 0)							**0.00558 J**	**0.00161 J**	**0.025989 J**	**0.02884 J**	**0.0023 J**	**0.01053 J**
Total LPAH (7 of 16) (U = 0)							**0.00917 J**	**0.01196 J**	**0.01283 J**	**0.01731 J**	**0.01278 J**	**0.48321 J**
Total PAH (16) (U = 0)							**0.01475 J**	**0.01357 J**	**0.038819 J**	**0.04615 J**	**0.01508 J**	**0.49374 J**

Table 1
Surface Water Sampling Results

		Source of Drinking Water (surface water)	Human Consumption of Fish (fresh waters)	Fish Propagation (fresh waters)	Fish Survival (fresh waters)	Aesthetic (fresh waters)	SW-2 SW-2B-20151217 6 - 6 ft 12/17/2015 720149.991 1630243.718	SW-2 SW-2B-20160316 6 - 6 ft 3/16/2016 720149.991 1630243.718	SW-2 SW-2B-20160810 6 - 6 ft 8/10/2016 720149.991 1630243.718	SW-2 SW-2C-20151217 11 - 11 ft 12/17/2015 720149.991 1630243.718	SW-2 SW-2C-20160316 11 - 11 ft 3/16/2016 720149.991 1630243.718
Location ID											
Sample ID											
Depth											
Sample Date											
X											
Y											
Conventional Parameters (mg/L)											
Total organic carbon	SM5310C						**3.35**	**4.25**	**3.41 J**	**3.43**	**4.27**
Total suspended solids	SM2540D						5 U	5 U	5 U	5 U	5 U
Conventional Parameters, Dissolved (mg/L)											
Dissolved organic carbon	SM5310C						**3.6 J**	**3.7**	**3.7**	**3.5 J**	**3.7**
Volatile Organics (µg/L)											
1,1,1-Trichloroethane	SW8260C	5					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	SW8260C	0.2					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	SW8260C	5					10 UJ	10 U	10 U	10 UJ	10 U
1,1,2-Trichloroethane	SW8260C	1					0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethane	SW8260C	5					0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethene	SW8260C	0.7					0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 U
1,2,3-Trichlorobenzene	SW8260C	5		5		10	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U
1,2,4-Trichlorobenzene	SW8260C	5		5		10	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	SW8260C	0.04					2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U
1,2-Dichlorobenzene	SW8260C	3		5			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	SW8260C	0.6					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene	SW8260C						--	0.5 U	--	--	0.5 U
1,2-Dichloroethene, cis-	SW8260C	5					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene, trans-	SW8260C	5					0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,2-Dichloropropane	SW8260C	1					1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
1,3-Dichlorobenzene	SW8260C	3		5		20	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropene	SW8260C						--	0.5 U	--	--	0.5 U
1,3-Dichloropropene, cis-	SW8260C						0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropene, trans-	SW8260C	0.4					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	SW8260C	3		5		30	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone (Methyl butyl ketone)	SW8260C	50					5 UJ	5 U	5 U	5 UJ	5 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	SW8260C						5 UJ	5 U	5 U	5 UJ	5 U
Acetone	SW8260C	50					5 UJ	**6.4**	5 U	5 UJ	**6**
Benzene	SW8260C	1	10	210	760		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	SW8260C	5					2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	SW8260C	50					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform (Tribromomethane)	SW8260C	50					2 U	2 U	2 U	2 U	2 U
Bromomethane (Methyl bromide)	SW8260C	5					1 U	**0.61 J**	1 U	1 U	**0.59 J**
Carbon disulfide	SW8260C						5 UJ	5 U	5 U	5 UJ	5 U
Carbon tetrachloride (Tetrachloromethane)	SW8260C	0.4					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 1
Surface Water Sampling Results

		Source of Drinking Water (surface water)	Human Consumption of Fish (fresh waters)	Fish Propagation (fresh waters)	Fish Survival (fresh waters)	Aesthetic (fresh waters)	SW-2 SW-2B-20151217 6 - 6 ft 12/17/2015 720149.991 1630243.718	SW-2 SW-2B-20160316 6 - 6 ft 3/16/2016 720149.991 1630243.718	SW-2 SW-2B-20160810 6 - 6 ft 8/10/2016 720149.991 1630243.718	SW-2 SW-2C-20151217 11 - 11 ft 12/17/2015 720149.991 1630243.718	SW-2 SW-2C-20160316 11 - 11 ft 3/16/2016 720149.991 1630243.718
Location ID / Sample ID / Depth / Sample Date / X / Y											
Chlorobenzene	SW8260C	5	400	5		20	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	SW8260C	5					1 UJ	1 U	1 U	1 UJ	1 U
Chloroform	SW8260C	7					0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Chloromethane	SW8260C						2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 UJ
Cyclohexane	SW8260C						10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	SW8260C	50					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	SW8260C	5					5 U	5 U	5 UJ	5 U	5 U
Dichloromethane (Methylene chloride)	SW8260C	5	200				3 U	3 U	3 U	3 U	3 U
Ethylbenzene	SW8260C	5		17	150		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylene dibromide (1,2-Dibromoethane)	SW8260C	6.00E-04					2 U	2 U	2 U	2 U	2 U
Isopropylbenzene (Cumene)	SW8260C	5		2.6	23		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-Xylene	SW8260C						1 U	1 U	1 U	1 U	1 U
Methyl acetate	SW8260C						10 U	10 U	10 UJ	10 U	10 U
Methyl ethyl ketone (2-Butanone)	SW8260C						5 UJ	5 U	5 U	5 UJ	5 U
Methyl tert-butyl ether (MTBE)	SW8260C	10					1 U	1 U	1 UJ	1 U	1 U
Methylcyclohexane	SW8260C						10 U	10 U	10 U	10 U	10 U
o-Xylene	SW8260C	5					1 U	1 U	1 U	1 U	1 U
Styrene	SW8260C	5				50	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	SW8260C	0.7	1				0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	SW8260C	5	6000	100	480		0.75 U	**0.18 J**	**0.17 J**	0.75 U	0.75 U
Trichloroethene (TCE)	SW8260C	5	40				0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane (Fluorotrichloromethane)	SW8260C	5					2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 U
Vinyl acetate	SW8260C						5 U	5 U	5 U	5 U	5 U
Vinyl chloride	SW8260C	0.3					1 U	1 U	1 U	1 U	1 U
Semivolatile Organics (µg/L)											
1,2,4,5-Tetrachlorobenzene	SW8270D	5				10	0.505 UJ	0.515 U	0.515 U	0.538 UJ	0.521 U
1,2,4-Trichlorobenzene	SW8270D	5		5		10	0.505 UJ	0.515 U	0.515 UJ	0.538 UJ	0.521 U
1,2-Dichlorobenzene	SW8270D	3		5			0.505 UJ	0.515 U	0.515 UJ	0.538 UJ	0.521 U
1,3-Dichlorobenzene	SW8270D	3		5		20	0.505 UJ	0.515 U	0.515 UJ	0.538 UJ	0.521 U
1,4-Dichlorobenzene	SW8270D	3		5		30	0.505 UJ	0.515 U	0.515 UJ	0.538 UJ	0.521 U
2,2'-Oxybis (1-chloropropane)	SW8270D						0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
2,3,4,6-Tetrachlorophenol	SW8270D						0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
2,4,5-Trichlorophenol	SW8270D						0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
2,4,6-Trichlorophenol	SW8270D						0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
2,4-Dichlorophenol	SW8270D	5				0.3	0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
2,4-Dimethylphenol	SW8270D	50	1000			1	2.02 UJ	2.06 U	2.06 U	2.15 U	2.08 U
2,4-Dinitrophenol	SW8270D	10	400			1	5.05 UJ	5.15 U	5.15 U	5.38 UJ	5.21 U

Table 1
Surface Water Sampling Results

		Source of Drinking Water (surface water)	Human Consumption of Fish (fresh waters)	Fish Propagation (fresh waters)	Fish Survival (fresh waters)	Aesthetic (fresh waters)	SW-2 SW-2B-20151217 6 - 6 ft 12/17/2015 720149.991 1630243.718	SW-2 SW-2B-20160316 6 - 6 ft 3/16/2016 720149.991 1630243.718	SW-2 SW-2B-20160810 6 - 6 ft 8/10/2016 720149.991 1630243.718	SW-2 SW-2C-20151217 11 - 11 ft 12/17/2015 720149.991 1630243.718	SW-2 SW-2C-20160316 11 - 11 ft 3/16/2016 720149.991 1630243.718
Location ID											
Sample ID											
Depth											
Sample Date											
X											
Y											
2,4-Dinitrotoluene	SW8270D	5					0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
2,6-Dinitrotoluene	SW8270D	0.07					0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
2-Chloronaphthalene	SW8270D					10	0.505 UJ	0.515 U	0.515 U	0.538 UJ	0.521 U
2-Chlorophenol	SW8270D						0.505 UJ	0.515 U	0.515 U	0.538 UJ	0.521 U
2-Methylphenol (o-Cresol)	SW8270D						0.505 UJ	0.515 U	0.515 U	0.538 UJ	0.521 U
2-Nitroaniline	SW8270D	5					0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
2-Nitrophenol	SW8270D						0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
3,3'-Dichlorobenzidine	SW8270D	5					0.505 UJ	0.515 U	0.515 U	0.538 U	0.521 U
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270D						0.505 UJ	0.515 U	0.515 U	0.538 U	0.521 U
3-Nitroaniline	SW8270D	5					0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
4-Bromophenyl-phenyl ether	SW8270D						0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
4-Chloro-3-methylphenol	SW8270D						0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
4-Chloroaniline	SW8270D	5					0.505 UJ	0.515 U	0.515 U	0.538 U	0.521 U
4-Chlorophenyl phenyl ether	SW8270D						0.505 UJ	0.515 U	0.515 U	0.538 UJ	0.521 U
4-Nitroaniline	SW8270D	5					0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
4-Nitrophenol	SW8270D						2.52 UJ	2.58 UJ	2.58 UJ	2.69 UJ	2.6 UJ
Acetophenone	SW8270D						1.01 U	1.03 U	1.03 U	1.08 U	1.04 U
Aniline	SW8270D	5					1.01 UJ	1.03 U	1.03 U	1.08 U	1.04 U
Atrazine	SW8270D	3					0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
Azobenzene	SW8270D	0.5					0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
Benzaldehyde	SW8270D						2.02 UJ	2.06 U	2.06 U	2.15 UJ	2.08 U
Benzidine	SW8270D	0.02		0.1	0.1		**-- R**	103 UJ	103 UJ	108 UJ	104 UJ
Benzoic acid	SW8270D						40.4 UJ	41.2 UJ	41.2 UJ	43 UJ	41.7 UJ
Benzyl alcohol	SW8270D						0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
Biphenyl (1,1'-Biphenyl)	SW8270D	5					0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
bis(2-Chloroethoxy)methane	SW8270D	5					0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
bis(2-Chloroethyl)ether	SW8270D	0.03					0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
bis(2-Ethylhexyl)phthalate	SW8270D	5		0.6			0.505 U	0.515 U	**0.237 J**	0.538 U	0.521 U
Butylbenzyl phthalate	SW8270D	50					0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
Caprolactam	SW8270D						2.02 UJ	2.06 UJ	2.06 UJ	2.15 UJ	2.08 UJ
Carbazole	SW8270D						0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
Dibenzofuran	SW8270D						0.505 UJ	0.515 U	0.515 U	0.538 UJ	0.521 U
Diethyl phthalate	SW8270D	50					0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
Dimethyl phthalate	SW8270D	50					0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
Di-n-butyl phthalate	SW8270D	50					0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270D						2.02 U	2.06 U	2.06 U	2.15 U	2.08 U
Di-n-octyl phthalate	SW8270D	50					1.01 U	1.03 U	1.03 U	1.08 U	1.04 U

Table 1
Surface Water Sampling Results

		Source of Drinking Water (surface water)	Human Consumption of Fish (fresh waters)	Fish Propagation (fresh waters)	Fish Survival (fresh waters)	Aesthetic (fresh waters)	SW-2 SW-2B-20151217 6 - 6 ft 12/17/2015 720149.991 1630243.718	SW-2 SW-2B-20160316 6 - 6 ft 3/16/2016 720149.991 1630243.718	SW-2 SW-2B-20160810 6 - 6 ft 8/10/2016 720149.991 1630243.718	SW-2 SW-2C-20151217 11 - 11 ft 12/17/2015 720149.991 1630243.718	SW-2 SW-2C-20160316 11 - 11 ft 3/16/2016 720149.991 1630243.718
Location ID / Sample ID / Depth / Sample Date / X / Y											
Hexachlorobenzene	SW8270D	0.04	0.00003				0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270D	0.5	0.01	1	10		0.505 UJ	0.515 U	0.515 UJ	0.538 UJ	0.521 U
Hexachlorocyclopentadiene	SW8270D	5		0.45	4.5	1	0.505 UJ	0.515 U	0.515 UJ	0.538 UJ	0.521 U
Hexachloroethane	SW8270D	5	0.6				0.505 UJ	0.515 U	0.515 UJ	0.538 UJ	0.521 U
Isophorone	SW8270D	50					0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
Nitrobenzene	SW8270D	0.4				30	0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
n-Nitrosodimethylamine	SW8270D						0.505 UJ	0.515 UJ	0.515 UJ	0.538 UJ	0.521 UJ
n-Nitrosodi-n-propylamine	SW8270D						0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
n-Nitrosodiphenylamine	SW8270D	50					0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
Pentachloronitrobenzene (Quintozene)	SW8270D						0.505 U	0.515 U	0.515 U	0.538 U	0.521 U
Pentachlorophenol	SW8270D			1	1	1	2.02 UJ	2.06 U	2.06 U	2.15 UJ	2.08 U
Phenol	SW8270D					1	0.505 UJ	0.515 UJ	0.515 UJ	0.538 UJ	0.521 UJ
Pyridine	SW8270D	0.04					0.505 UJ	0.515 UJ	0.515 UJ	0.538 UJ	0.521 UJ
Polycyclic Aromatic Hydrocarbons (µg/L)											
2-Methylnaphthalene	SW8270DSIM			4.7	42		**0.00169 J**	**0.002 J**	0.0108 U	**0.00164 J**	**0.00163 J**
Acenaphthene	SW8270DSIM			5.3	48	20	0.01 U	0.0105 U	0.0108 U	0.0101 U	0.0103 U
Acenaphthylene	SW8270DSIM						0.01 U	0.0105 U	0.0108 U	0.0101 U	0.0103 U
Anthracene	SW8270DSIM	50		3.8	35		0.01 U	0.0105 U	0.0108 U	0.0101 U	0.0103 U
Benzo(a)anthracene	SW8270DSIM	0.002		0.03	0.23		**0.00482 J**	0.0105 U	0.0108 U	**0.00505 J**	0.0103 U
Benzo(a)pyrene	SW8270DSIM	0.002	0.0012				**0.00627 J**	0.0105 U	**0.00106 J**	**0.00643 J**	0.0103 U
Benzo(b)fluoranthene	SW8270DSIM	0.002					0.01 U	0.0105 U	0.0108 U	0.0101 U	0.0103 U
Benzo(g,h,i)perylene	SW8270DSIM						**0.00526 J**	0.0105 U	0.0108 U	**0.0056 J**	0.0103 U
Benzo(k)fluoranthene	SW8270DSIM	0.002					0.01 U	0.0105 U	**0.00126 J**	0.0101 U	0.0103 U
Chrysene	SW8270DSIM	0.002					0.01 U	0.0105 U	**0.00143 J**	0.0101 U	0.0103 U
Dibenzo(a,h)anthracene	SW8270DSIM						0.01 UJ	0.0105 U	0.0108 U	0.0101 U	0.0103 U
Fluoranthene	SW8270DSIM	50					**0.00163 J**	0.0105 U	**0.00496 J**	**0.00208 J**	**0.00182 J**
Fluorene	SW8270DSIM	50		0.54	4.8		0.01 U	0.0105 U	**0.00202 J**	0.0101 U	0.0103 U
Indeno(1,2,3-c,d)pyrene	SW8270DSIM	0.002					0.01 U	0.0105 U	**0.00102 J**	0.0101 U	0.0103 U
Naphthalene	SW8270DSIM			13	110	10	**0.00615 J**	**0.00788 J**	0.0108 U	**0.00603 J**	**0.00686 J**
Phenanthrene	SW8270DSIM	50		5	45		**0.00303 J**	0.0105 U	**0.00515 J**	**0.00276 J**	**0.00205 J**
Pyrene	SW8270DSIM	50		4.6	42		0.01 U	0.0105 U	**0.00366 J**	0.0101 U	0.0103 U
Total HPAH (9 of 16) (U = 1/2)							**0.04798 J**	0.0105 U	**0.03499 J**	**0.04946 J**	**0.04817 J**
Total LPAH (7 of 16) (U = 1/2)							**0.03087 J**	**0.03613 J**	**0.03417 J**	**0.03063 J**	**0.03114 J**
Total PAH (16) (U = 1/2)							**0.07885 J**	**0.08863 J**	**0.06916 J**	**0.08009 J**	**0.07931 J**
Total HPAH (9 of 16) (U = 0)							**0.01798 J**	0.0105 U	**0.01339 J**	**0.01916 J**	**0.00182 J**
Total LPAH (7 of 16) (U = 0)							**0.01087 J**	**0.00988 J**	**0.00717 J**	**0.01043 J**	**0.01054 J**
Total PAH (16) (U = 0)							**0.02885 J**	**0.00988 J**	**0.02056 J**	**0.02959 J**	**0.01236 J**

Table 1
Surface Water Sampling Results

		Source of Drinking Water (surface water)	Human Consumption of Fish (fresh waters)	Fish Propagation (fresh waters)	Fish Survival (fresh waters)	Aesthetic (fresh waters)	SW-2	SW-3	SW-3	SW-3	SW-3
Location ID							SW-2	SW-3	SW-3	SW-3	SW-3
Sample ID							SW-2C-20160810	SW-3A-20151217	SW-3A-20160316	SW-3A-20160810	SW-3B-20151217
Depth							11 - 11 ft	1 - 1 ft	1 - 1 ft	1 - 1 ft	9.5 - 9.5 ft
Sample Date							8/10/2016	12/17/2015	3/16/2016	8/10/2016	12/17/2015
X							720149.991	720693.264	720693.264	720693.264	720693.264
Y							1630243.718	1630870.620	1630870.620	1630870.620	1630870.620
Conventional Parameters (mg/L)											
Total organic carbon	SM5310C						**3.42 J**	**3.53**	**4.22**	**3.49 J**	**3.24**
Total suspended solids	SM2540D						5 U	5 U	5 U	5 U	5 U
Conventional Parameters, Dissolved (mg/L)											
Dissolved organic carbon	SM5310C						**3.7**	**3.6 J**	**3.8**	**3.5**	**3.5 J**
Volatile Organics (µg/L)											
1,1,1-Trichloroethane	SW8260C	5					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	SW8260C	0.2					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	SW8260C	5					10 U	10 UJ	10 U	10 U	10 UJ
1,1,2-Trichloroethane	SW8260C	1					0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethane	SW8260C	5					0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethene	SW8260C	0.7					0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ
1,2,3-Trichlorobenzene	SW8260C	5		5		10	2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 U
1,2,4-Trichlorobenzene	SW8260C	5		5		10	2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 U
1,2-Dibromo-3-chloropropane	SW8260C	0.04					2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 U
1,2-Dichlorobenzene	SW8260C	3		5			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	SW8260C	0.6					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene	SW8260C						--	--	0.5 U	--	--
1,2-Dichloroethene, cis-	SW8260C	5					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene, trans-	SW8260C	5					0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,2-Dichloropropane	SW8260C	1					1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
1,3-Dichlorobenzene	SW8260C	3		5		20	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropene	SW8260C						--	--	0.5 U	--	--
1,3-Dichloropropene, cis-	SW8260C						0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropene, trans-	SW8260C	0.4					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	SW8260C	3		5		30	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone (Methyl butyl ketone)	SW8260C	50					5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	SW8260C						5 U	5 UJ	5 U	5 U	5 UJ
Acetone	SW8260C	50					5 U	5 UJ	**5.7**	5 U	5 UJ
Benzene	SW8260C	1	10	210	760		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	SW8260C	5					2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	SW8260C	50					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform (Tribromomethane)	SW8260C	50					2 U	2 U	2 U	2 U	2 U
Bromomethane (Methyl bromide)	SW8260C	5					1 U	1 U	1 U	1 U	1 U
Carbon disulfide	SW8260C						5 U	5 UJ	5 U	5 U	5 UJ
Carbon tetrachloride (Tetrachloromethane)	SW8260C	0.4					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Surface Water Sampling Results

		Source of Drinking Water (surface water)	Human Consumption of Fish (fresh waters)	Fish Propagation (fresh waters)	Fish Survival (fresh waters)	Location ID Sample ID Depth Sample Date X Y Aesthetic (fresh waters)	SW-2 SW-2C-20160810 11 - 11 ft 8/10/2016 720149.991 1630243.718	SW-3 SW-3A-20151217 1 - 1 ft 12/17/2015 720693.264 1630870.620	SW-3 SW-3A-20160316 1 - 1 ft 3/16/2016 720693.264 1630870.620	SW-3 SW-3A-20160810 1 - 1 ft 8/10/2016 720693.264 1630870.620	SW-3 SW-3B-20151217 9.5 - 9.5 ft 12/17/2015 720693.264 1630870.620
Chlorobenzene	SW8260C	5	400	5		20	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	SW8260C	5					1 U	1 UJ	1 U	1 U	1 UJ
Chloroform	SW8260C	7					0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Chloromethane	SW8260C						2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U
Cyclohexane	SW8260C						10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	SW8260C	50					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	SW8260C	5					5 UJ	5 U	5 U	5 UJ	5 U
Dichloromethane (Methylene chloride)	SW8260C	5	200				3 U	3 U	3 U	3 U	3 U
Ethylbenzene	SW8260C	5		17	150		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylene dibromide (1,2-Dibromoethane)	SW8260C	6.00E-04					2 U	2 U	2 U	2 U	2 U
Isopropylbenzene (Cumene)	SW8260C	5		2.6	23		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-Xylene	SW8260C						1 U	1 U	1 U	1 U	1 U
Methyl acetate	SW8260C						10 UJ	10 U	10 U	10 UJ	10 U
Methyl ethyl ketone (2-Butanone)	SW8260C						5 U	5 U	5 U	5 U	5 U
Methyl tert-butyl ether (MTBE)	SW8260C	10					1 UJ	1 U	1 U	1 UJ	1 U
Methylcyclohexane	SW8260C						10 U	10 U	10 U	10 U	10 U
o-Xylene	SW8260C	5					1 U	1 U	1 U	1 U	1 U
Styrene	SW8260C	5				50	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	SW8260C	0.7	1				0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	SW8260C	5	6000	100	480		0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Trichloroethene (TCE)	SW8260C	5	40				0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane (Fluorotrichloromethane)	SW8260C	5					2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 UJ
Vinyl acetate	SW8260C						5 U	5 U	5 U	5 U	5 U
Vinyl chloride	SW8260C	0.3					1 U	1 U	1 U	1 U	1 U
Semivolatile Organics (µg/L)											
1,2,4,5-Tetrachlorobenzene	SW8270D	5				10	0.51 U	0.532 UJ	0.526 U	0.5 U	0.526 UJ
1,2,4-Trichlorobenzene	SW8270D	5		5		10	0.51 UJ	0.532 UJ	0.526 U	0.5 UJ	0.526 UJ
1,2-Dichlorobenzene	SW8270D	3		5			0.51 UJ	0.532 UJ	0.526 U	0.5 UJ	0.526 UJ
1,3-Dichlorobenzene	SW8270D	3		5		20	0.51 UJ	0.532 UJ	0.526 U	0.5 UJ	0.526 UJ
1,4-Dichlorobenzene	SW8270D	3		5		30	0.51 UJ	0.532 UJ	0.526 U	0.5 UJ	0.526 UJ
2,2'-Oxybis (1-chloropropane)	SW8270D						0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
2,3,4,6-Tetrachlorophenol	SW8270D						0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
2,4,5-Trichlorophenol	SW8270D						0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
2,4,6-Trichlorophenol	SW8270D						0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
2,4-Dichlorophenol	SW8270D	5				0.3	0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
2,4-Dimethylphenol	SW8270D	50	1000			1	2.04 U	2.13 U	2.1 U	2 U	2.1 U
2,4-Dinitrophenol	SW8270D	10	400			1	5.1 U	5.32 UJ	5.26 U	5 U	5.26 UJ

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Surface Water Sampling Results

		Source of Drinking Water (surface water)	Human Consumption of Fish (fresh waters)	Fish Propagation (fresh waters)	Fish Survival (fresh waters)	Location ID Sample ID Depth Sample Date X Y Aesthetic (fresh waters)	SW-2 SW-2C-20160810 11 - 11 ft 8/10/2016 720149.991 1630243.718	SW-3 SW-3A-20151217 1 - 1 ft 12/17/2015 720693.264 1630870.620	SW-3 SW-3A-20160316 1 - 1 ft 3/16/2016 720693.264 1630870.620	SW-3 SW-3A-20160810 1 - 1 ft 8/10/2016 720693.264 1630870.620	SW-3 SW-3B-20151217 9.5 - 9.5 ft 12/17/2015 720693.264 1630870.620
2,4-Dinitrotoluene	SW8270D	5					0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
2,6-Dinitrotoluene	SW8270D	0.07					0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
2-Chloronaphthalene	SW8270D					10	0.51 U	0.532 UJ	0.526 U	0.5 U	0.526 UJ
2-Chlorophenol	SW8270D						0.51 U	0.532 UJ	0.526 U	0.5 U	0.526 UJ
2-Methylphenol (o-Cresol)	SW8270D						0.51 U	0.532 UJ	0.526 U	0.5 U	0.526 UJ
2-Nitroaniline	SW8270D	5					0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
2-Nitrophenol	SW8270D						0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
3,3'-Dichlorobenzidine	SW8270D	5					0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270D						0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
3-Nitroaniline	SW8270D	5					0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
4-Bromophenyl-phenyl ether	SW8270D						0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
4-Chloro-3-methylphenol	SW8270D						0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
4-Chloroaniline	SW8270D	5					0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
4-Chlorophenyl phenyl ether	SW8270D						0.51 U	0.532 UJ	0.526 U	0.5 U	0.526 UJ
4-Nitroaniline	SW8270D	5					0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
4-Nitrophenol	SW8270D						2.55 UJ	2.66 UJ	2.63 UJ	2.5 UJ	2.63 UJ
Acetophenone	SW8270D						1.02 U	1.06 U	1.05 U	1 U	1.05 U
Aniline	SW8270D	5					1.02 U	1.06 U	1.05 U	1 U	1.05 U
Atrazine	SW8270D	3					0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
Azobenzene	SW8270D	0.5					0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
Benzaldehyde	SW8270D						2.04 U	2.13 UJ	2.1 U	2 U	2.1 UJ
Benzidine	SW8270D	0.02		0.1	0.1		102 UJ	106 UJ	105 UJ	100 UJ	105 UJ
Benzoic acid	SW8270D						40.8 UJ	42.6 UJ	42.1 UJ	40 UJ	42.1 UJ
Benzyl alcohol	SW8270D						0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
Biphenyl (1,1'-Biphenyl)	SW8270D	5					0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
bis(2-Chloroethoxy)methane	SW8270D	5					0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
bis(2-Chloroethyl)ether	SW8270D	0.03					0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
bis(2-Ethylhexyl)phthalate	SW8270D	5		0.6			4.37	0.532 U	**0.47 J**	2.05	0.526 U
Butylbenzyl phthalate	SW8270D	50					0.51 U	0.532 U	0.526 U	0.5 U	**0.093 J**
Caprolactam	SW8270D						2.04 UJ	2.13 UJ	2.1 UJ	2 UJ	2.1 UJ
Carbazole	SW8270D						0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
Dibenzofuran	SW8270D						0.51 U	0.532 UJ	0.526 U	0.5 U	0.526 UJ
Diethyl phthalate	SW8270D	50					0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
Dimethyl phthalate	SW8270D	50					0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
Di-n-butyl phthalate	SW8270D	50					0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270D						2.04 U	2.13 U	2.1 U	2 U	2.1 U
Di-n-octyl phthalate	SW8270D	50					1.02 U	1.06 U	1.05 U	1 U	1.05 U

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Location ID							SW-2	SW-3	SW-3	SW-3	SW-3
Sample ID							SW-2C-20160810	SW-3A-20151217	SW-3A-20160316	SW-3A-20160810	SW-3B-20151217
Depth							11 - 11 ft	1 - 1 ft	1 - 1 ft	1 - 1 ft	9.5 - 9.5 ft
Sample Date							8/10/2016	12/17/2015	3/16/2016	8/10/2016	12/17/2015
X							720149.991	720693.264	720693.264	720693.264	720693.264
Y							1630243.718	1630870.620	1630870.620	1630870.620	1630870.620
Hexachlorobenzene	SW8270D	0.04	0.00003				0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270D	0.5	0.01	1	10		0.51 UJ	0.532 UJ	0.526 U	0.5 UJ	0.526 UJ
Hexachlorocyclopentadiene	SW8270D	5		0.45	4.5	1	0.51 UJ	0.532 UJ	0.526 U	0.5 UJ	0.526 UJ
Hexachloroethane	SW8270D	5	0.6				0.51 UJ	0.532 UJ	0.526 U	0.5 UJ	0.526 UJ
Isophorone	SW8270D	50					0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
Nitrobenzene	SW8270D	0.4				30	0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
n-Nitrosodimethylamine	SW8270D						0.51 UJ	0.532 UJ	0.526 UJ	0.5 UJ	0.526 UJ
n-Nitrosodi-n-propylamine	SW8270D						0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
n-Nitrosodiphenylamine	SW8270D	50					0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
Pentachloronitrobenzene (Quintozene)	SW8270D						0.51 U	0.532 U	0.526 U	0.5 U	0.526 U
Pentachlorophenol	SW8270D			1	1	1	2.04 U	2.13 UJ	2.1 U	2 U	2.1 UJ
Phenol	SW8270D					1	0.51 UJ	0.532 UJ	0.526 UJ	0.5 UJ	0.526 UJ
Pyridine	SW8270D	0.04					0.51 UJ	0.532 UJ	0.526 UJ	0.5 UJ	0.526 UJ
Polycyclic Aromatic Hydrocarbons (µg/L)											
2-Methylnaphthalene	SW8270DSIM			4.7	42		0.0099 U	**0.0013 J**	**0.00132 J**	**0.00209 J**	**0.0013 J**
Acenaphthene	SW8270DSIM			5.3	48	20	**0.00209 J**	0.0104 U	0.0104 U	0.0099 U	0.0101 U
Acenaphthylene	SW8270DSIM						0.0099 U	0.0104 U	0.0104 U	0.0099 U	0.0101 U
Anthracene	SW8270DSIM	50		3.8	35		0.0099 U	0.0104 U	0.0104 U	0.0099 U	0.0101 U
Benzo(a)anthracene	SW8270DSIM	0.002		0.03	0.23		0.0099 U	0.0104 U	0.0104 U	0.0099 U	**0.00494 J**
Benzo(a)pyrene	SW8270DSIM	0.002	0.0012				0.0099 U	**0.00626 J**	0.0104 U	**0.00108 J**	**0.00617 J**
Benzo(b)fluoranthene	SW8270DSIM	0.002					0.0099 U	0.0104 U	0.0104 U	0.0099 U	0.0101 U
Benzo(g,h,i)perylene	SW8270DSIM						0.0099 U	**0.00522 J**	0.0104 U	0.0099 U	**0.00529 J**
Benzo(k)fluoranthene	SW8270DSIM	0.002					0.0099 U	0.0104 U	0.0104 U	**0.00122 J**	0.0101 U
Chrysene	SW8270DSIM	0.002					0.0099 U	0.0104 U	0.0104 U	**0.00105 J**	0.0101 U
Dibenzo(a,h)anthracene	SW8270DSIM						0.0099 U	0.0104 U	0.0104 U	0.0099 U	**0.0052 J**
Fluoranthene	SW8270DSIM	50					**0.00407 J**	0.0104 U	**0.00158 J**	**0.00466 J**	0.0101 U
Fluorene	SW8270DSIM	50		0.54	4.8		**0.0035 J**	0.0104 U	0.0104 U	**0.00181 J**	0.0101 U
Indeno(1,2,3-c,d)pyrene	SW8270DSIM	0.002					0.0099 U	0.0104 U	0.0104 U	**0.00084 J**	0.0101 U
Naphthalene	SW8270DSIM			13	110	10	**0.00406 J**	**0.00476 J**	**0.00542 J**	**0.00692 J**	**0.00503 J**
Phenanthrene	SW8270DSIM	50		5	45		**0.00561 J**	**0.0022 J**	**0.00216 J**	**0.00467 J**	**0.00234 J**
Pyrene	SW8270DSIM	50		4.6	42		**0.00249 J**	0.0104 U	0.0104 U	**0.00313 J**	0.0101 U
Total HPAH (9 of 16) (U = 1/2)							**0.04616 J**	**0.05308 J**	**0.04838 J**	**0.03178 J**	**0.0519 J**
Total LPAH (7 of 16) (U = 1/2)							**0.03011 J**	**0.02906 J**	**0.0297 J**	**0.03034 J**	**0.02887 J**
Total PAH (16) (U = 1/2)							**0.07627 J**	**0.08214 J**	**0.07808 J**	**0.06212 J**	**0.08077 J**
Total HPAH (9 of 16) (U = 0)							**0.00656 J**	**0.01148 J**	**0.00158 J**	**0.01198 J**	**0.0216 J**
Total LPAH (7 of 16) (U = 0)							**0.01526 J**	**0.00826 J**	**0.0089 J**	**0.01549 J**	**0.00867 J**
Total PAH (16) (U = 0)							**0.02182 J**	**0.01974 J**	**0.01048 J**	**0.02747 J**	**0.03027 J**

Table 1
Surface Water Sampling Results

		Source of Drinking Water (surface water)	Human Consumption of Fish (fresh waters)	Fish Propagation (fresh waters)	Fish Survival (fresh waters)	Aesthetic (fresh waters)	SW-3 SW-3B-20160316 9.5 - 9.5 ft 3/16/2016 720693.264 1630870.620	SW-3 SW-3B-20160810 9.5 - 9.5 ft 8/10/2016 720693.264 1630870.620	SW-3 SW-3C-20151217 18 - 18 ft 12/17/2015 720693.264 1630870.620	SW-3 SW-3C-20160316 18 - 18 ft 3/16/2016 720693.264 1630870.620	SW-3 SW-3C-20160810 18 - 18 ft 8/10/2016 720693.264 1630870.620
Conventional Parameters (mg/L)											
Total organic carbon	SM5310C						**4.36**	**3.42 J**	**3.26**	**4.15**	**3.47 J**
Total suspended solids	SM2540D						5 U	5 U	5 U	5 U	5 U
Conventional Parameters, Dissolved (mg/L)											
Dissolved organic carbon	SM5310C						**4.3**	**3.4**	**3.7 J**	**4.3**	**3.6**
Volatile Organics (µg/L)											
1,1,1-Trichloroethane	SW8260C	5					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	SW8260C	0.2					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	SW8260C	5					10 U	10 U	10 UJ	10 U	10 U
1,1,2-Trichloroethane	SW8260C	1					0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethane	SW8260C	5					0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethene	SW8260C	0.7					0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
1,2,3-Trichlorobenzene	SW8260C	5		5		10	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 UJ
1,2,4-Trichlorobenzene	SW8260C	5		5		10	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 UJ
1,2-Dibromo-3-chloropropane	SW8260C	0.04					2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 UJ
1,2-Dichlorobenzene	SW8260C	3		5			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	SW8260C	0.6					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene	SW8260C						0.5 U	--	--	0.5 U	--
1,2-Dichloroethene, cis-	SW8260C	5					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene, trans-	SW8260C	5					0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,2-Dichloropropane	SW8260C	1					1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
1,3-Dichlorobenzene	SW8260C	3		5		20	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropene	SW8260C						0.5 U	--	--	0.5 U	--
1,3-Dichloropropene, cis-	SW8260C						0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropene, trans-	SW8260C	0.4					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	SW8260C	3		5		30	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone (Methyl butyl ketone)	SW8260C	50					5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	SW8260C						5 U	5 U	5 UJ	5 U	5 U
Acetone	SW8260C	50					**11**	5 U	5 UJ	**9.3**	5 U
Benzene	SW8260C	1	10	210	760		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	SW8260C	5					2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	SW8260C	50					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform (Tribromomethane)	SW8260C	50					2 U	2 U	2 U	2 U	2 U
Bromomethane (Methyl bromide)	SW8260C	5					1 U	1 U	1 U	**0.6 J**	1 U
Carbon disulfide	SW8260C						5 U	5 U	5 UJ	5 U	5 U
Carbon tetrachloride (Tetrachloromethane)	SW8260C	0.4					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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		Source of Drinking Water (surface water)	Human Consumption of Fish (fresh waters)	Fish Propagation (fresh waters)	Fish Survival (fresh waters)	Aesthetic (fresh waters)	SW-3 SW-3B-20160316 9.5 - 9.5 ft 3/16/2016 720693.264 1630870.620	SW-3 SW-3B-20160810 9.5 - 9.5 ft 8/10/2016 720693.264 1630870.620	SW-3 SW-3C-20151217 18 - 18 ft 12/17/2015 720693.264 1630870.620	SW-3 SW-3C-20160316 18 - 18 ft 3/16/2016 720693.264 1630870.620	SW-3 SW-3C-20160810 18 - 18 ft 8/10/2016 720693.264 1630870.620
Location ID Sample ID Depth Sample Date X Y											
Chlorobenzene	SW8260C	5	400	5		20	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	SW8260C	5					1 U	1 U	1 UJ	1 U	1 U
Chloroform	SW8260C	7					0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Chloromethane	SW8260C						2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 U
Cyclohexane	SW8260C						10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	SW8260C	50					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	SW8260C	5					5 U	5 UJ	5 U	5 U	5 UJ
Dichloromethane (Methylene chloride)	SW8260C	5	200				3 U	3 U	3 U	3 U	3 U
Ethylbenzene	SW8260C	5		17	150		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylene dibromide (1,2-Dibromoethane)	SW8260C	6.00E-04					2 U	2 U	2 U	2 U	2 U
Isopropylbenzene (Cumene)	SW8260C	5		2.6	23		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-Xylene	SW8260C						1 U	1 U	1 U	1 U	1 U
Methyl acetate	SW8260C						10 U	10 UJ	10 U	10 U	10 UJ
Methyl ethyl ketone (2-Butanone)	SW8260C						5 U	5 U	5 U	5 U	5 U
Methyl tert-butyl ether (MTBE)	SW8260C	10					1 U	1 UJ	1 U	1 U	1 UJ
Methylcyclohexane	SW8260C						10 U	10 U	10 U	10 U	10 U
o-Xylene	SW8260C	5					1 U	1 U	1 U	1 U	1 U
Styrene	SW8260C	5				50	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	SW8260C	0.7	1				0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	SW8260C	5	6000	100	480		0.75 U	0.75 U	0.75 U	**0.18 J**	0.75 U
Trichloroethene (TCE)	SW8260C	5	40				0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane (Fluorotrichloromethane)	SW8260C	5					2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U
Vinyl acetate	SW8260C						5 U	5 U	5 U	5 U	5 U
Vinyl chloride	SW8260C	0.3					1 U	1 U	1 U	1 U	1 U
Semivolatile Organics (µg/L)											
1,2,4,5-Tetrachlorobenzene	SW8270D	5				10	0.515 U	0.515 U	0.543 UJ	0.515 U	0.5 U
1,2,4-Trichlorobenzene	SW8270D	5		5		10	0.515 U	0.515 UJ	0.543 UJ	0.515 U	0.5 UJ
1,2-Dichlorobenzene	SW8270D	3		5			0.515 U	0.515 UJ	0.543 UJ	0.515 U	0.5 UJ
1,3-Dichlorobenzene	SW8270D	3		5		20	0.515 U	0.515 UJ	0.543 UJ	0.515 U	0.5 UJ
1,4-Dichlorobenzene	SW8270D	3		5		30	0.515 U	0.515 UJ	0.543 UJ	0.515 U	0.5 UJ
2,2'-Oxybis (1-chloropropane)	SW8270D						0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
2,3,4,6-Tetrachlorophenol	SW8270D						0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
2,4,5-Trichlorophenol	SW8270D						0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
2,4,6-Trichlorophenol	SW8270D						0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
2,4-Dichlorophenol	SW8270D	5				0.3	0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
2,4-Dimethylphenol	SW8270D	50	1000			1	2.06 U	2.06 U	2.17 U	2.06 U	2 U
2,4-Dinitrophenol	SW8270D	10	400			1	5.15 U	5.15 U	5.43 UJ	5.15 U	5 U

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Surface Water Sampling Results

		Source of Drinking Water (surface water)	Human Consumption of Fish (fresh waters)	Fish Propagation (fresh waters)	Fish Survival (fresh waters)	Aesthetic (fresh waters)	SW-3 SW-3B-20160316 9.5 - 9.5 ft 3/16/2016 720693.264 1630870.620	SW-3 SW-3B-20160810 9.5 - 9.5 ft 8/10/2016 720693.264 1630870.620	SW-3 SW-3C-20151217 18 - 18 ft 12/17/2015 720693.264 1630870.620	SW-3 SW-3C-20160316 18 - 18 ft 3/16/2016 720693.264 1630870.620	SW-3 SW-3C-20160810 18 - 18 ft 8/10/2016 720693.264 1630870.620
Location ID / Sample ID / Depth / Sample Date / X / Y											
2,4-Dinitrotoluene	SW8270D	5					0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
2,6-Dinitrotoluene	SW8270D	0.07					0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
2-Chloronaphthalene	SW8270D					10	0.515 U	0.515 U	0.543 UJ	0.515 U	0.5 U
2-Chlorophenol	SW8270D						0.515 U	0.515 U	0.543 UJ	0.515 U	0.5 U
2-Methylphenol (o-Cresol)	SW8270D						0.515 U	0.515 U	0.543 UJ	0.515 U	0.5 U
2-Nitroaniline	SW8270D	5					0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
2-Nitrophenol	SW8270D						0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
3,3'-Dichlorobenzidine	SW8270D	5					0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
3-Methylphenol & 4-Methylphenol (m&p-Cresol)	SW8270D						0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
3-Nitroaniline	SW8270D	5					0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
4-Bromophenyl-phenyl ether	SW8270D						0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
4-Chloro-3-methylphenol	SW8270D						0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
4-Chloroaniline	SW8270D	5					0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
4-Chlorophenyl phenyl ether	SW8270D						0.515 U	0.515 U	0.543 UJ	0.515 U	0.5 U
4-Nitroaniline	SW8270D	5					0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
4-Nitrophenol	SW8270D						2.58 UJ	2.58 UJ	2.72 UJ	2.58 UJ	2.5 UJ
Acetophenone	SW8270D						1.03 U	1.03 U	1.09 U	1.03 U	1 U
Aniline	SW8270D	5					1.03 U	1.03 U	1.09 U	1.03 U	1 U
Atrazine	SW8270D	3					0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
Azobenzene	SW8270D	0.5					0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
Benzaldehyde	SW8270D						2.06 U	2.06 U	2.17 UJ	2.06 U	2 U
Benzidine	SW8270D	0.02		0.1	0.1		103 UJ	103 UJ	109 UJ	103 UJ	100 UJ
Benzoic acid	SW8270D						41.2 UJ	41.2 UJ	43.5 UJ	41.2 UJ	40 UJ
Benzyl alcohol	SW8270D						0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
Biphenyl (1,1'-Biphenyl)	SW8270D	5					0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
bis(2-Chloroethoxy)methane	SW8270D	5					0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
bis(2-Chloroethyl)ether	SW8270D	0.03					0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
bis(2-Ethylhexyl)phthalate	SW8270D	5		0.6			0.515 U	**0.241 J**	0.543 U	0.515 U	**0.234 J**
Butylbenzyl phthalate	SW8270D	50					0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
Caprolactam	SW8270D						2.06 UJ	2.06 UJ	2.17 UJ	2.06 UJ	2 UJ
Carbazole	SW8270D						0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
Dibenzofuran	SW8270D						0.515 U	0.515 U	0.543 UJ	0.515 U	0.5 U
Diethyl phthalate	SW8270D	50					0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
Dimethyl phthalate	SW8270D	50					0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
Di-n-butyl phthalate	SW8270D	50					0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	SW8270D						2.06 U	2.06 U	2.17 U	2.06 U	2 U
Di-n-octyl phthalate	SW8270D	50					1.03 U	1.03 U	1.09 U	1.03 U	1 U

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		Source of Drinking Water (surface water)	Human Consumption of Fish (fresh waters)	Fish Propagation (fresh waters)	Fish Survival (fresh waters)	Aesthetic (fresh waters)	SW-3 SW-3B-20160316 9.5 - 9.5 ft 3/16/2016 720693.264 1630870.620	SW-3 SW-3B-20160810 9.5 - 9.5 ft 8/10/2016 720693.264 1630870.620	SW-3 SW-3C-20151217 18 - 18 ft 12/17/2015 720693.264 1630870.620	SW-3 SW-3C-20160316 18 - 18 ft 3/16/2016 720693.264 1630870.620	SW-3 SW-3C-20160810 18 - 18 ft 8/10/2016 720693.264 1630870.620
Location ID Sample ID Depth Sample Date X Y											
Hexachlorobenzene	SW8270D	0.04	0.00003				0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	SW8270D	0.5	0.01	1	10		0.515 U	0.515 UJ	0.543 UJ	0.515 U	0.5 UJ
Hexachlorocyclopentadiene	SW8270D	5		0.45	4.5	1	0.515 U	0.515 UJ	0.543 UJ	0.515 U	0.5 UJ
Hexachloroethane	SW8270D	5	0.6				0.515 U	0.515 UJ	0.543 UJ	0.515 U	0.5 UJ
Isophorone	SW8270D	50					0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
Nitrobenzene	SW8270D	0.4				30	0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
n-Nitrosodimethylamine	SW8270D						0.515 UJ	0.515 UJ	0.543 UJ	0.515 UJ	0.5 UJ
n-Nitrosodi-n-propylamine	SW8270D						0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
n-Nitrosodiphenylamine	SW8270D	50					0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
Pentachloronitrobenzene (Quintozene)	SW8270D						0.515 U	0.515 U	0.543 U	0.515 U	0.5 U
Pentachlorophenol	SW8270D			1	1	1	2.06 U	2.06 U	2.17 UJ	2.06 U	2 U
Phenol	SW8270D					1	0.515 UJ	0.515 UJ	0.543 UJ	0.515 UJ	0.5 UJ
Pyridine	SW8270D	0.04					0.515 UJ	0.515 UJ	0.543 UJ	0.515 UJ	0.5 UJ
Polycyclic Aromatic Hydrocarbons (µg/L)											
2-Methylnaphthalene	SW8270DSIM			4.7	42		**0.00134 J**	**0.00972 J**	**0.00172 J**	**0.00114 J**	**0.00147 J**
Acenaphthene	SW8270DSIM			5.3	48	20	0.011 U	**0.00704 J**	0.0101 U	0.0108 U	0.01 U
Acenaphthylene	SW8270DSIM						0.011 U	**0.00626 J**	0.0101 U	0.0108 U	0.01 U
Anthracene	SW8270DSIM	50		3.8	35		0.011 U	0.01 U	0.0101 U	0.0108 U	0.01 U
Benzo(a)anthracene	SW8270DSIM	0.002		0.03	0.23		0.011 U	0.01 U	0.0101 U	0.0108 U	0.01 U
Benzo(a)pyrene	SW8270DSIM	0.002	0.0012				0.011 U	**0.00109 J**	**0.00614 J**	0.0108 U	**0.000969 J**
Benzo(b)fluoranthene	SW8270DSIM	0.002					0.011 U	0.01 U	0.0101 U	0.0108 U	0.01 U
Benzo(g,h,i)perylene	SW8270DSIM						0.011 U	0.01 U	**0.00517 J**	0.0108 U	0.01 U
Benzo(k)fluoranthene	SW8270DSIM	0.002					0.011 U	0.01 U	0.0101 U	0.0108 U	0.01 U
Chrysene	SW8270DSIM	0.002					0.011 U	**0.00107 J**	0.0101 U	0.0108 U	**0.000953 J**
Dibenzo(a,h)anthracene	SW8270DSIM						0.011 U	0.01 U	0.0101 U	0.0108 U	0.01 U
Fluoranthene	SW8270DSIM	50					0.011 U	**0.00406 J**	**0.00155 J**	**0.00176 J**	**0.00358 J**
Fluorene	SW8270DSIM	50		0.54	4.8		0.011 U	**0.00563 J**	0.0101 U	0.0108 U	**0.00256 J**
Indeno(1,2,3-c,d)pyrene	SW8270DSIM	0.002					0.011 U	**0.000703 J**	0.0101 U	0.0108 U	**0.000675 J**
Naphthalene	SW8270DSIM			13	110	10	**0.0054 J**	**0.00983 J**	**0.00611 J**	**0.00516 J**	**0.0124**
Phenanthrene	SW8270DSIM	50		5	45		0.011 U	**0.00563 J**	**0.00286 J**	**0.00223 J**	**0.00472 J**
Pyrene	SW8270DSIM	50		4.6	42		0.011 U	**0.00311 J**	0.0101 U	0.0108 U	**0.00286 J**
Total HPAH (9 of 16) (U = 1/2)							0.011 U	**0.035033 J**	**0.04821 J**	**0.05036 J**	**0.034037 J**
Total LPAH (7 of 16) (U = 1/2)							**0.03424 J**	**0.04911 J**	**0.03089 J**	**0.03013 J**	**0.03615 J**
Total PAH (16) (U = 1/2)							**0.08924 J**	**0.084143 J**	**0.0791 J**	**0.08049 J**	**0.070187 J**
Total HPAH (9 of 16) (U = 0)							0.011 U	**0.010033 J**	**0.01286 J**	**0.00176 J**	**0.009037 J**
Total LPAH (7 of 16) (U = 0)							**0.00674 J**	**0.04411 J**	**0.01069 J**	**0.00853 J**	**0.02115 J**
Total PAH (16) (U = 0)							**0.00674 J**	**0.054143 J**	**0.02355 J**	**0.01029 J**	**0.030187 J**

Table 1
Surface Water Sampling Results

Notes:

Detected concentration is greater than Source of Drinking Water (surface water) screening level

Detected concentration is greater than Fish Propagation (fresh waters) screening level

Denotes value as a New York State standard; all other screening values are guidance

If a result exceeds more than one screening level, the maximum screening level highlight is applied.

Bold = Detected result

J = Estimated value
U = Compound analyzed, but not detected above detection limit
UJ = Compound analyzed, but not detected above estimated detection limit
R = Rejected

FIGURES

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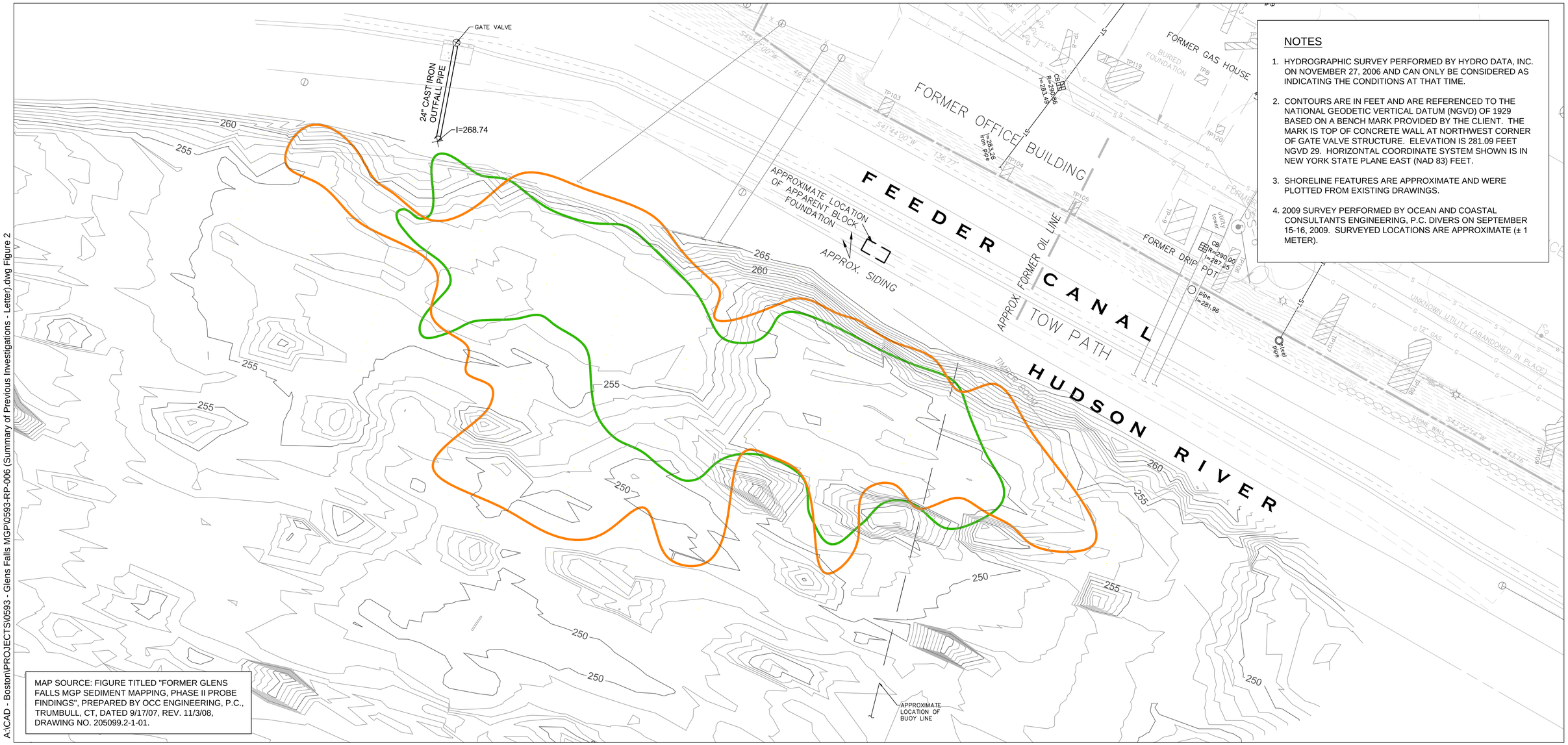
Figure 1
Vicinity Map
Glens Falls, NY
National Grid



NOTES

1. HYDROGRAPHIC SURVEY PERFORMED BY HYDRO DATA, INC. ON NOVEMBER 27, 2006 AND CAN ONLY BE CONSIDERED AS INDICATING THE CONDITIONS AT THAT TIME.
2. CONTOURS ARE IN FEET AND ARE REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM (NGVD) OF 1929 BASED ON A BENCH MARK PROVIDED BY THE CLIENT. THE MARK IS TOP OF CONCRETE WALL AT NORTHWEST CORNER OF GATE VALVE STRUCTURE. ELEVATION IS 281.09 FEET NGVD 29. HORIZONTAL COORDINATE SYSTEM SHOWN IS IN NEW YORK STATE PLANE EAST (NAD 83) FEET.
3. SHORELINE FEATURES ARE APPROXIMATE AND WERE PLOTTED FROM EXISTING DRAWINGS.
4. 2009 SURVEY PERFORMED BY OCEAN AND COASTAL CONSULTANTS ENGINEERING, P.C. DIVERS ON SEPTEMBER 15-16, 2009. SURVEYED LOCATIONS ARE APPROXIMATE (± 1 METER).

LEGEND

- APPROXIMATE LIMITS OF COAL TAR BASED ON 2007 SURVEY
- APPROXIMATE LIMITS OF COAL TAR BASED ON 2009 SURVEY
- POWER POLE AND OVERHEAD LINE (DASHED LINE INDICATES BELOW GRADE)

0 50
Scale in Feet

A:\CAD - Boston\PROJECTS\0593 - Glens Falls MGP\0593-RP-006 (Summary of Previous Investigations - Letter).dwg Figure 2
Oct 20, 2016 3:02pm psciaba

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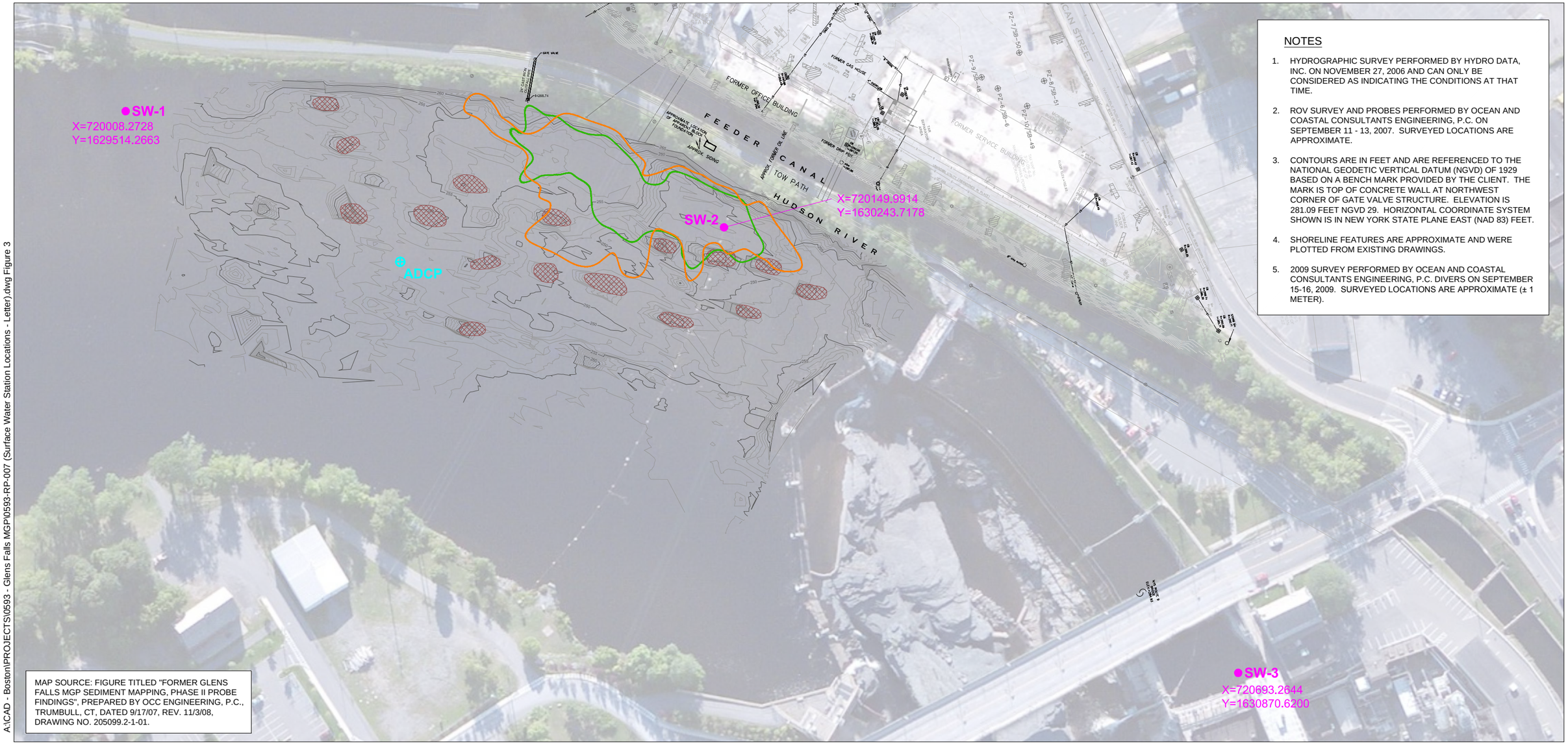
Figure 2
Operable Unit 2 - Hudson River
Glens Falls, NY
National Grid



NOTES

1. HYDROGRAPHIC SURVEY PERFORMED BY HYDRO DATA, INC. ON NOVEMBER 27, 2006 AND CAN ONLY BE CONSIDERED AS INDICATING THE CONDITIONS AT THAT TIME.
2. ROV SURVEY AND PROBES PERFORMED BY OCEAN AND COASTAL CONSULTANTS ENGINEERING, P.C. ON SEPTEMBER 11 - 13, 2007. SURVEYED LOCATIONS ARE APPROXIMATE.
3. CONTOURS ARE IN FEET AND ARE REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM (NGVD) OF 1929 BASED ON A BENCH MARK PROVIDED BY THE CLIENT. THE MARK IS TOP OF CONCRETE WALL AT NORTHWEST CORNER OF GATE VALVE STRUCTURE. ELEVATION IS 281.09 FEET NGVD 29. HORIZONTAL COORDINATE SYSTEM SHOWN IS IN NEW YORK STATE PLANE EAST (NAD 83) FEET.
4. SHORELINE FEATURES ARE APPROXIMATE AND WERE PLOTTED FROM EXISTING DRAWINGS.
5. 2009 SURVEY PERFORMED BY OCEAN AND COASTAL CONSULTANTS ENGINEERING, P.C. DIVERS ON SEPTEMBER 15-16, 2009. SURVEYED LOCATIONS ARE APPROXIMATE (± 1 METER).

MAP SOURCE: FIGURE TITLED "FORMER GLENS FALLS MGP SEDIMENT MAPPING, PHASE II PROBE FINDINGS", PREPARED BY OCC ENGINEERING, P.C., TRUMBULL, CT, DATED 9/17/07, REV. 11/3/08, DRAWING NO. 205099.2-1-01.

LEGEND

- SW-1 — APPROXIMATE LOCATION OF SURFACE WATER SAMPLING LOCATION
- ADCP — APPROXIMATE LOCATION OF ACOUSTIC DOPPLER CURRENT PROFILER (DECEMBER 2015 - JUNE 2016)
- APPROXIMATE LIMITS OF COAL TAR BASED ON 2007 SURVEY
- APPROXIMATE LIMITS OF COAL TAR BASED ON 2009 SURVEY
- REMAINS OF TIMBER CRIB STRUCTURES
- POWER POLE AND OVERHEAD LINE (DASHED LINE INDICATES BELOW GRADE)

0 120
Scale in Feet

A:\CAD - Boston\PROJECTS\0593 - Glens Falls MGP\0593-RP-007 (Surface Water Station Locations - Letter).dwg Figure 3
Oct 21, 2016 11:11am psciaba

ANCHOR QEA

Figure 3
Surface Water Sampling Locations
Glens Falls, NY
National Grid

ATTACHMENT A

Table A-1
Sample Location SW-1 – Water Quality Parameter Data

Depth Below Surface (ft)	Temperature (°C)	Conductivity (mS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (mg/l)
December 17, 2015					
1	5.8	0.043	7.1	0.3	12.7
2	5.8	0.043	7.1	0.2	12.7
3	5.8	0.043	7.1	0.3	12.7
4	5.8	0.043	7.1	0.3	12.7
5	5.8	0.043	7.1	0.3	12.7
6	5.8	0.044	7.1	0.3	12.7
7	5.8	0.043	7.1	0.3	12.7
8	5.8	0.043	7.1	0.2	12.7
9	5.8	0.043	7.1	0.2	12.7
10	5.8	0.043	7.1	0.2	12.7
11	5.8	0.043	7.1	0.2	12.7
12	5.8	0.043	7.1	0.2	12.7
13	5.8	0.043	7.1	0.2	12.7
14	5.8	0.043	7.1	0.2	12.6
15	5.8	0.043	7.1	0.2	12.6
16	5.8	0.044	7.2	0.2	12.6
17	5.8	0.043	7.2	0.2	12.5
18	5.8	0.043	7.2	0.2	12.4
March 16, 2016					
1	3.8	NR[1]	7.5	1.3	13.7
2	3.8	NR[1]	7.5	1.4	13.8
3	3.8	NR[1]	7.5	1.4	13.7
4	3.8	NR[1]	7.5	1.4	13.8
5	3.8	NR[1]	7.5	1.4	13.7
6	3.8	NR[1]	7.5	1.4	13.7
7	3.8	NR[1]	7.6	1.4	13.8
8	3.8	NR[1]	7.5	1.4	13.7
9	3.8	NR[1]	7.6	1.4	13.7
10	3.8	NR[1]	7.6	1.5	13.7
11	3.8	NR[1]	7.6	1.4	13.7
12	3.8	NR[1]	7.7	1.4	13.7
13	3.8	NR[1]	7.7	1.4	13.7
14	3.8	NR[1]	7.7	1.4	13.7
15	3.8	NR[1]	7.8	1.5	13.7
16	3.8	NR[1]	7.8	1.5	13.6
17	3.8	NR[1]	7.8	1.5	13.6
18	3.8	NR[1]	7.8	1.6	13.6

Table A-1
Sample Location SW-1 – Water Quality Parameter Data

Depth Below Surface (ft)	Temperature (°C)	Conductivity (mS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (mg/l)
August 10, 2016					
1	25.0	0.145	7.2	3.7	8.4
2	25.0	0.146	7.2	2.6	8.5
3	25.0	0.146	7.2	2.1	8.5
4	25.0	0.146	7.2	2.1	8.5
5	25.0	0.146	7.1	2.4	8.5
6	25.0	0.146	7.1	2.2	8.5
7	25.0	0.146	7.1	2	8.5
8	25.0	0.146	7.1	2.2	8.5
9	25.0	0.146	7.1	2.1	8.5
10	25.0	0.146	7.1	2.1	8.5
11	25.0	0.146	7.0	2	8.5
12	25.0	0.146	7.0	1.3	8.5
13	25.0	0.145	7.0	1.9	8.5
14	25.0	0.145	7.0	1.9	8.5
15	25.0	0.145	7.0	1.9	8.5
16	25.0	0.145	7.0	1.9	8.5

Notes:

1 The conductivity probe failed on water quality unit and no measurements were recorded.

ft: feet

°C: degrees Celsius

mg/l: milligrams per liter

mS/cm: millisiemens per centimeter

NR: no reading

NTU: Nephelometric Turbidity Unit

Table A-2
Sample Location SW-2 – Water Quality Parameter Data

Depth Below Surface (ft)	Temperature (°C)	Conductivity (mS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (mg/l)
December 17, 2015					
1	5.8	0.046	7.1	0.3	12.7
2	5.8	0.044	7.2	0.3	12.7
3	5.8	0.045	7.2	0.3	12.7
4	5.8	0.047	7.2	0.3	12.7
5	5.8	0.047	7.2	0.3	12.7
6	5.8	0.044	7.2	0.3	12.7
7	5.8	0.046	7.2	0.3	12.7
8	5.8	0.045	7.2	0.2	12.7
9	5.8	0.045	7.2	0.3	12.7
10	5.8	0.046	7.2	0.2	12.7
11	5.8	0.046	7.2	0.2	12.6
12	5.8	0.044	7.2	0.2	12.6
13	5.8	0.044	7.2	0.2	12.6
14	5.8	0.044	7.2	0.2	12.5
15	5.8	0.044	7.1	0.3	12.4
March 16, 2016					
1	3.9	NR[1]	7.5	1.4	13.9
2	3.9	NR[1]	7.6	1.4	13.9
3	3.9	NR[1]	7.6	1.4	13.9
4	3.9	NR[1]	7.6	1.4	13.9
5	3.9	NR[1]	7.6	1.4	13.9
6	3.9	NR[1]	7.6	1.4	13.9
7	3.8	NR[1]	7.6	1.4	13.9
8	3.9	NR[1]	7.6	1.4	13.8
9	3.9	NR[1]	7.6	1.4	13.8
10	3.8	NR[1]	7.7	1.4	13.8
11	3.8	NR[1]	7.7	1.4	13.8
12	3.9	NR[1]	7.7	1.4	13.7
13	3.9	NR[1]	7.8	1.4	13.7
14	3.9	NR[1]	7.8	1.4	13.5
15	3.9	NR[1]	7.8	1.3	13.5
16	3.9	NR[1]	7.9	0.7	13.2

Table A-2
Sample Location SW-2 – Water Quality Parameter Data

Depth Below Surface (ft)	Temperature (°C)	Conductivity (mS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (mg/l)
August 10, 2016					
1	25.1	0.145	7.1	1.7	8.6
2	25.1	0.145	7.1	1.7	8.6
3	25.1	0.145	7.1	1.7	8.6
4	25.8	0.145	7.1	1.7	8.6
5	25.1	0.145	7.1	1.7	8.6
6	25.1	0.145	7.2	1.7	8.6
7	25.1	0.145	7.2	1.7	8.6
8	25.1	0.145	7.2	1.7	8.5
9	25.1	0.145	7.2	1.7	8.5
10	25.1	0.145	7.3	1.7	8.6
11	25.8	0.145	7.5	1.7	8.6

Notes:

1 The conductivity probe failed on water quality unit and no measurements were recorded.

ft: feet
°C: degrees Celsius
mg/l: milligrams per liter
mS/cm: millisiemens per centimeter
NR: no reading
NTU: Nephelometric Turbidity Unit

Table A-3
Sample Location SW-3 – Water Quality Parameter Data

Depth Below Surface (ft)	Temperature (°C)	Conductivity (mS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (mg/l)
December 17, 2015					
1	5.9	0.0438	7.2	0.2	12.8
2	5.9	0.0431	7.2	0.2	12.8
3	5.9	0.0431	7.1	0.2	12.8
4	5.9	0.0431	7.2	0.2	12.8
5	5.9	0.0431	7.2	0.2	12.8
6	5.9	0.0431	7.2	0.2	12.8
7	5.9	0.0438	7.1	0.2	12.8
8	5.9	0.0438	7.2	0.2	12.8
9	NR	NR	NR	NR	NR
10	5.9	0.0438	7.2	0.2	12.8
11	5.9	0.0438	7.2	0.2	12.7
12	5.9	0.0438	7.2	0.2	12.7
13	5.9	0.0438	7.2	0.2	12.7
14	5.9	0.0438	7.2	0.2	12.7
15	5.9	0.0438	7.2	0.2	12.7
16	NR	NR	NR	NR	NR
17	5.9	0.0431	7.2	0.2	12.7
18	5.9	0.0438	7.1	0.2	12.6
March 16, 2016					
1	3.7	NR[1]	7.5	1.3	13.7
2	3.7	NR[1]	7.5	1.4	13.8
3	3.7	NR[1]	7.5	1.4	13.7
4	3.7	NR[1]	7.5	1.4	13.8
5	3.7	NR[1]	7.5	1.4	13.7
6	3.7	NR[1]	7.5	1.4	13.7
7	3.7	NR[1]	7.6	1.4	13.8
8	3.7	NR[1]	7.5	1.4	13.7
9	3.7	NR[1]	7.6	1.4	13.7
10	3.7	NR[1]	7.6	1.5	13.7
11	3.7	NR[1]	7.6	1.4	13.7
12	3.7	NR[1]	7.7	1.4	13.7
13	3.7	NR[1]	7.7	1.4	13.7
14	3.7	NR[1]	7.7	1.4	13.7
15	3.7	NR[1]	7.8	1.5	13.7
16	3.7	NR[1]	7.8	1.5	13.6
17	3.7	NR[1]	7.8	1.5	13.6
18	3.7	NR[1]	7.8	1.6	13.6

Table A-3
Sample Location SW-3 – Water Quality Parameter Data

Depth Below Surface (ft)	Temperature (°C)	Conductivity (mS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (mg/l)
August 10, 2016					
1	25.1	0.146	7.2	1.8	8.4
2	25.1	0.146	7.2	1.8	8.4
3	25.1	0.146	7.1	1.7	8.5
4	25.1	0.146	7.1	1.9	8.5
5	25.1	0.146	7.0	1.8	8.5
6	25.1	0.146	7.0	1.7	8.5
7	25.1	0.146	7.0	1.7	8.5
8	25.1	0.146	7.0	1.7	8.5
9	25.1	0.146	7.0	1.7	8.5
10	25.1	0.146	7.0	1.7	8.5
11	25.1	0.146	7.0	1.7	8.5
12	25.1	0.146	7.0	1.7	8.5
13	25.1	0.146	6.9	1.7	8.5
14	25.1	0.146	6.9	1.7	8.5
15	25.1	0.146	6.9	1.7	8.5
16	25.1	0.146	6.9	1.7	8.5
17	25.1	0.146	6.9	1.7	8.5
18	25.1	0.146	6.9	1.7	8.5
19	25.1	0.146	7.0	1.7	8.5

Notes:

1 The conductivity probe failed on water quality unit and no measurements were recorded.

ft: feet

°C: degrees Celsius

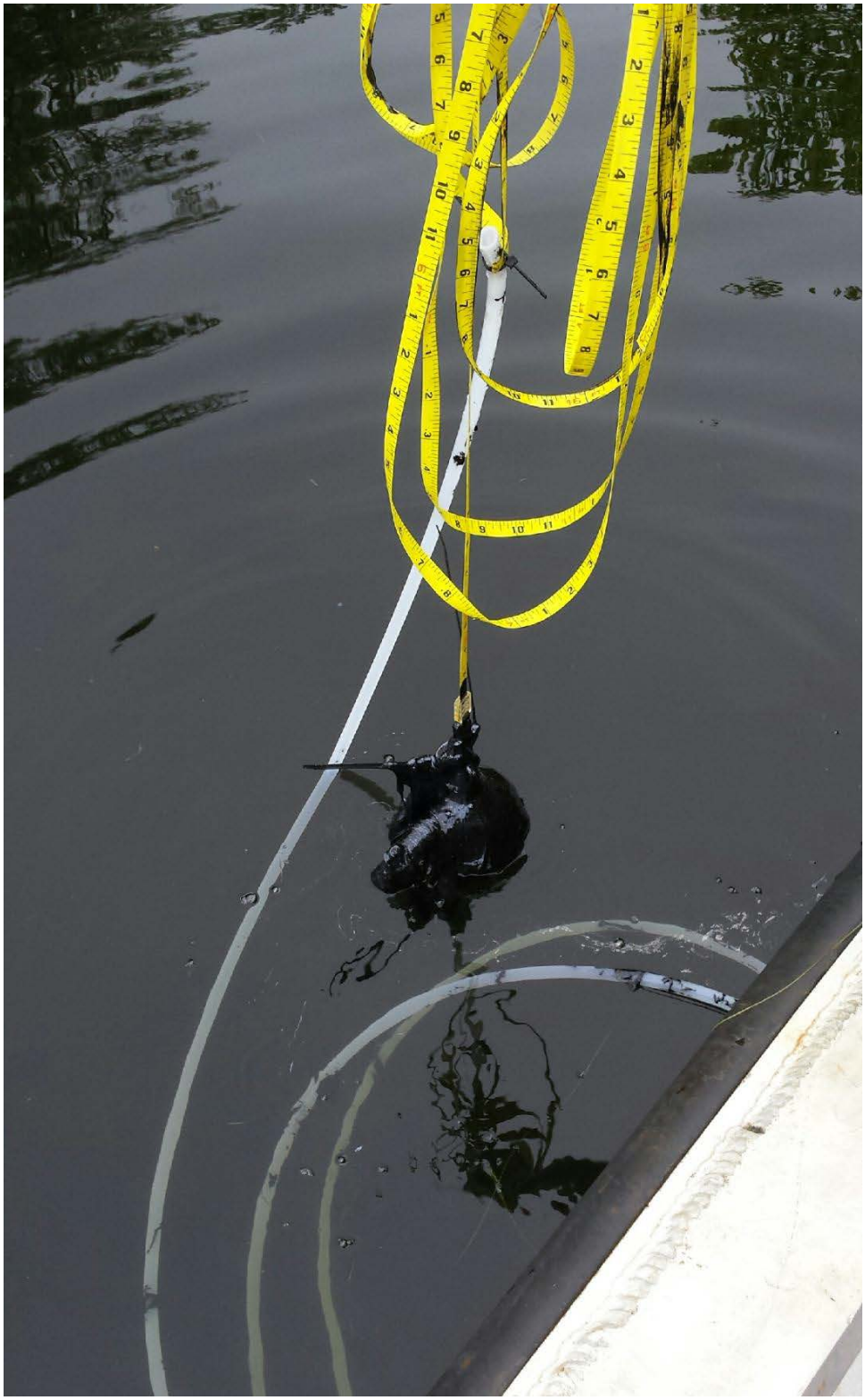
mg/l: milligrams per liter

mS/cm: millisiemens per centimeter

NR: no reading

NTU: Nephelometric Turbidity Unit

ATTACHMENT B



Attachment B
Photograph Showing Tar on Anchor After Sampling
Glens Falls, NY
National Grid

ATTACHMENT C

(Attachment provided only with electronic version.)

www.alphalab.com

Lab Number: L1533592

Client: Anchor QEA, LLC

ATTN: Cindy Fields

Project Name: FORMER GLEN FALLS OU-2

Project Number: E50593-01.01

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Sample Delivery Group Information

Sample Delivery Group Form

Laboratory Job number: L1533592
Project Manager: Elizabeth Porta **Review Date:** 12/21/2015
Project Number: E50593-01.01
Project Name: FORMER GLEN FALLS OU-2 **Received:** 12/18/2015 10:30
Client Account: Anchor QEA, LLC **Received by:** SH/JK

Samples Delivered by: COURIER **Call Tracker #**
Bill Of Laden N/A **Trackingnum**
Coc Present Present

Container Status Intact **Sample IDs** Samples rec'd in Mansfield 12/19/15 @ 05:00 at 2.0c,2.0c,2.1c (9849).
samples rec'd in WB 12/21/15@16:00-3.9(9886)

All Containers Accounted For? Yes
Cannot differentiate between DOC and TOC vials, all vials are marked "DOC, TOC." contacted PM.

Were Extra Samples Received? Yes
rec'd "EB20151217," contacted PM.

Do Sample Labels and COC agree? Yes

Are Samples in Appropriate Containers? Yes

Are Samples Received within Holding time? Yes

pH of Samples upon Receipt 7 **Are samples Properly Preserved?** Yes
Initial pH **preserved in house with** **Final pH**
Other Issues
Chlorine Check N/A

Are VOA/VPH Vials Present? Yes
Aqueous: Do Vials Contain Head Space? No
Soils: Is MeOHCovering the Soil? N/A
Reagent H2O Preserved vials Frozen on N/A
Frozen by Client N/A

Cooler	Seal	Ice Present	Blue Ice Present	Temp. (Celsius)	Frozen upon Receipt	Delivered Direct from Site
E	Absent	Yes	No	3.6 - IR Gun	No	No

F	Absent	Yes	No	2.0 - IR Gun	No	No
A	Absent	Yes	No	4.7 - IR Gun	No	No
B	Absent	Yes	No	4.0 - IR Gun	No	No
C	Absent	Yes	No	3.4 - IR Gun	No	No
D	Absent	Yes	No	2.5 - IR Gun	No	No
G	Absent	Yes	No	4.9 - IR Gun	No	No

LIMS Chain of Custody

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Jan 12 2016, 04:31 pm

Login Number: L1533592
Account: ANCHOR Anchor QEA, LLCProject: E50593-01.01
Received: 18DEC15 Due Date: 12JAN16

Sample #	Client ID	Mat	PR	Collected	Container
L1533592-01	SW-1A-20151217	S0	1	17DEC15 11:20	4-Amber-A1,1-Plastic-A1,2-SVial-A,3-Vial-B,4-Vial-D

SVOC; No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made WET: For DOC filter volume from 1L amber container J DPKG-FULL Package Due Date: 01/12/16

8260,A2-PAH-8270SIM,A2-SVOC-8270,DOC-5310,DPKG-FULL,TOC-5310,TSS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1533592-02	SW-1B-20151217	S0	1	17DEC15 11:15	4-Amber-A1,1-Plastic-A1,2-SVial-A,3-Vial-B,4-Vial-D

SVOC; No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made WET: For DOC filter volume from 1L amber container J Package Due Date: 01/12/16

8260,A2-PAH-8270SIM,A2-SVOC-8270,DOC-5310,TOC-5310,TSS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1533592-03	SW-1C-20151217	S0	1	17DEC15 10:50	4-Amber-A1,1-Plastic-A1,2-SVial-A,3-Vial-B,4-Vial-D

SVOC; No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made WET: For DOC filter volume from 1L amber container J Package Due Date: 01/12/16

8260,A2-PAH-8270SIM,A2-SVOC-8270,DOC-5310,TOC-5310,TSS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1533592-04	SW-2A-20151217	S0	1	17DEC15 11:45	4-Amber-A1,1-Plastic-A1,2-SVial-A,3-Vial-B,4-Vial-D

SVOC; No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made WET: For DOC filter volume from 1L amber container J Package Due Date: 01/12/16

8260,A2-PAH-8270SIM,A2-SVOC-8270,DOC-5310,TOC-5310,TSS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1533592-05	SW-2B-20151217	S0	1	17DEC15 11:55	12-Amber-A1,3-Plastic-A1,2-SVial-A,9-Vial-B,12-Vial-D

SVOC; No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made L1533592-05 MS L1533592-05 MSD WET: For DOC filter volume from 1L amber container J Package Due Date: 01/12/16

8260,A2-PAH-8270SIM,A2-SVOC-8270,DOC-5310,MS/MSD,TOC-5310,TSS-2540

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Jan 12 2016, 04:31 pm

Login Number: L1533592
Account: ANCHOR Anchor QEA, LLCProject: E50593-01.01
Received: 18DEC15 Due Date: 12JAN16

Sample #	Client ID	Mat	PR	Collected	Container
L1533592-06	SW-2C-20151217	S0	1	17DEC15 12:15	4-Amber-A1,1-Plastic-A1,2-SVial-A,3-Vial-B,4-Vial-D

SVOC; No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made WET: For DOC filter volume from 1L amber container J Package Due Date: 01/12/16

8260,A2-PAH-8270SIM,A2-SVOC-8270,DOC-5310,TOC-5310,TSS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1533592-07	DUP-20151217	S0	1	17DEC15 00:00	4-Amber-A1,1-Plastic-A1,2-SVial-A,3-Vial-B,4-Vial-D

SVOC; No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made WET: For DOC filter volume from 1L amber container J Package Due Date: 01/12/16

8260,A2-PAH-8270SIM,A2-SVOC-8270,DOC-5310,TOC-5310,TSS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1533592-08	TRIP BLANK-20151217	S0	1	17DEC15 00:00	2-Vial-B

| Package Due Date: 01/12/16

8260

Sample #	Client ID	Mat	PR	Collected	Container
L1533592-09	SW-3A-20151217	S0	1	17DEC15 14:10	4-Amber-A1,1-Plastic-A1,2-SVial-A,3-Vial-B,4-Vial-D

SVOC; No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made WET: For DOC filter volume from 1L amber container J Package Due Date: 01/12/16

8260,A2-PAH-8270SIM,A2-SVOC-8270,DOC-5310,TOC-5310,TSS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1533592-10	SW-3B-20151217	S0	1	17DEC15 14:20	4-Amber-A1,1-Plastic-A1,2-SVial-A,3-Vial-B,4-Vial-D

SVOC; No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made WET: For DOC filter volume from 1L amber container J Package Due Date: 01/12/16

8260,A2-PAH-8270SIM,A2-SVOC-8270,DOC-5310,TOC-5310,TSS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1533592-11	SW-3C-20151217	S0	1	17DEC15 14:25	4-Amber-A1,1-Plastic-A1,2-SVial-A,3-Vial-B,4-Vial-D

SVOC; No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made WET: For DOC filter volume from 1L amber container J Package Due Date: 01/12/16

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Jan 12 2016, 04:31 pm

Login Number: L1533592
Account: ANCHOR Anchor QEA, LLCProject: E50593-01.01
Received: 18DEC15 Due Date: 12JAN16

Sample #	Client ID	Mat	PR	Collected	Container
8260,A2-PAH-8270SIM,A2-SVOC-8270,DOC-5310,TOC-5310,TSS-2540					
L1533592-12	EB20151217		1	S0 17DEC15 16:00	4-Amber-A1,1-Plastic-A1,2-SVial-A,3-Vial-B,4-Vial-D

SVOC; No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made WET: For DOC filter volume from 1L amber container J Package Due Date: 01/12/16

8260,A2-PAH-8270SIM,A2-SVOC-8270,DOC-5310,TOC-5310,TSS-2540

Logged By: Roobenso Romain

Container Tracking

ALPHA ANALYTICAL LABORATORIES
Container Tracking Report

Container ID	Type	Status	Transaction Date	From Response	From Location	From Operator	To Response	To Location	To Operator
L1533592-01A	Vial-B	INTACT	30-DEC-15	GC/MS	GC/MS	Przemyslaw Kaczorows	CUSTODY	VOA DEAD FRIDGE	CUST Przemyslaw Kaczorows
L1533592-01A	Vial-B	INTACT	30-DEC-15	GC/MS	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1533592-01A	Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-01A	Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-01B	Vial-B	INTACT	26-DEC-15	GC/MS	GC/MS	Jackingson Celestin	CUSTODY	VOA DEAD FRIDGE	CUST Jackingson Celestin
L1533592-01B	Vial-B	INTACT	26-DEC-15	CUSTODY	VOA CUSTODY	Jackingson Celestin	GC/MS	GC/MS	Jackingson Celestin
L1533592-01B	Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-01B	Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-01C	Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-01C	Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-01D	Vial-D	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-01D	Vial-D	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-01D	Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-01D	Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-01D	Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-01E	Vial-D	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-01E	Vial-D	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-01E	Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-01E	Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-01E	Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-01F	Vial-D	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-01F	Vial-D	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-01F	Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-01F	Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-01F	Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1533592-01G	Vial-D	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-01G	Vial-D	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-01G	Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-01G	Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-01G	Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-01H	Plastic-A1	EMPTY	22-DEC-15		WETCHEM	Sonal Patel	WETCHEM CUSTODY	WETCHEM CUSTODY	Sonal Patel
L1533592-01H	Plastic-A1	INTACT	22-DEC-15		CUSTODY	Samantha Garner	WETCHEM	WETCHEM	Samantha Garner
L1533592-01H	Plastic-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-01I	Amber-A1	EMPTY	23-DEC-15	A2-CUSTODY	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald
L1533592-01I	Amber-A1	INTACT	23-DEC-15	A2-CUSTODY	A2-CUSTODY-NOAA1	Joseph MacDonald	A2-ORGANIC PREP	A2-ORGANIC PREP	Joseph MacDonald
L1533592-01I	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-01I	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-01I	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-01J	Amber-A1	INTACT	05-JAN-16	OPREP CUSTODY	WETCHEM	Steve Barton	CUSTODY	OPREP CUSTODY	Steve Barton
Comments: This container has not been properly returned to CUSTODY! It was last assigned to KBAIL for department TRANSFER - WESTBORO on 12/21/15 14:49 .									
L1533592-01J	Amber-A1	INTACT	05-JAN-16		OPREP CUSTODY	Milos Lasica	WETCHEM	WETCHEM	Milos Lasica
L1533592-01J	Amber-A1	INTACT	22-DEC-15		WETCHEM	Francisco Castellano	OPREP CUSTODY	OPREP CUSTODY	Francisco Castellano
L1533592-01J	Amber-A1	INTACT	22-DEC-15		OPREP CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-01J	Amber-A1	INTACT	21-DEC-15	CUSTODY	CUSTODY	Roobenso Romain	OPREP CUSTODY	OPREP CUSTODY	Roobenso Romain
L1533592-01J	Amber-A1	INTACT	21-DEC-15	TRANSFER - WESTBORO	TRANSFER - MANSFIELD	William McClendon	CUSTODY	CUSTODY	William McClendon
L1533592-01J	Amber-A1	INTACT	21-DEC-15		TRANSFER - WESTBORO	William McClendon	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	William McClendon
L1533592-01J	Amber-A1	INTACT	21-DEC-15	CUSTODY	A2-CUSTODY-NOAA1	Kim L. Bailey	TRANSFER - WESTBORO	TRANSFER - WESTBORO	Kim L. Bailey
L1533592-01J	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-01J	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-01J	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman

Container ID	Type	Status	Transaction Date	From Response	From Location	From Operator	To Response	To Location	To Operator
L1533592-01K	Amber-A1	EMPTY	22-DEC-15	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Brian Anderson	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Brian Anderson
L1533592-01K	Amber-A1	INTACT	22-DEC-15	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Brian Anderson	A2-ORGANIC PREP	A2-ORGANIC PREP	Brian Anderson
L1533592-01K	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-01K	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-01K	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-01L	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-01L	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-01L	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-01X	SVial-A	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-01X	SVial-A	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-01X	SVial-A	INTACT	22-DEC-15	WETCHEM	CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-01X	SVial-A	INTACT	22-DEC-15	LOGIN	LOGIN	Roobenso Romain	CUSTODY	CUSTODY	Roobenso Romain
L1533592-01Y	SVial-A	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-01Y	SVial-A	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-01Y	SVial-A	INTACT	22-DEC-15	WETCHEM	CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-01Y	SVial-A	INTACT	22-DEC-15	LOGIN	LOGIN	Roobenso Romain	CUSTODY	CUSTODY	Roobenso Romain
L1533592-02A	Vial-B	INTACT	30-DEC-15	GC/MS	GC/MS	Przemyslaw Kaczorows	CUSTODY	VOA DEAD FRIDGE	CUST Przemyslaw Kaczorows
L1533592-02A	Vial-B	INTACT	30-DEC-15	GC/MS	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1533592-02A	Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-02A	Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-02B	Vial-B	INTACT	26-DEC-15	GC/MS	GC/MS	Jackingson Celestin	CUSTODY	VOA DEAD FRIDGE	CUST Jackingson Celestin
L1533592-02B	Vial-B	INTACT	26-DEC-15	CUSTODY	VOA CUSTODY	Jackingson Celestin	GC/MS	GC/MS	Jackingson Celestin
L1533592-02B	Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-02B	Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-02C	Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1533592-02C	Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-02D	Vial-D	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-02D	Vial-D	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-02D	Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-02D	Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-02D	Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-02E	Vial-D	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-02E	Vial-D	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-02E	Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-02E	Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-02E	Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-02F	Vial-D	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-02F	Vial-D	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-02F	Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-02F	Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-02F	Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-02G	Vial-D	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-02G	Vial-D	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-02G	Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-02G	Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-02G	Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-02H	Plastic-A1	EMPTY	22-DEC-15		WETCHEM	Sonal Patel	WETCHEM CUSTODY	WETCHEM CUSTODY	Sonal Patel
L1533592-02H	Plastic-A1	INTACT	22-DEC-15		CUSTODY	Samantha Garner	WETCHEM	WETCHEM	Samantha Garner
L1533592-02H	Plastic-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-02I	Amber-A1	EMPTY	23-DEC-15	A2-CUSTODY	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1533592-02I	Amber-A1	INTACT	23-DEC-15	A2-CUSTODY	A2-CUSTODY-NOAA1	Joseph MacDonald	A2-ORGANIC PREP	A2-ORGANIC PREP	Joseph MacDonald
L1533592-02I	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-02I	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-02I	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-02J	Amber-A1	INTACT	05-JAN-16	OPREP CUSTODY	WETCHEM	Steve Barton	CUSTODY	OPREP CUSTODY	Steve Barton
Comments: This container has not been properly returned to CUSTODY! It was last assigned to KBAIL for department TRANSFER - WESTBORO on 12/21/15 14:49 .									
L1533592-02J	Amber-A1	INTACT	05-JAN-16		OPREP CUSTODY	Milos Lasica	WETCHEM	WETCHEM	Milos Lasica
L1533592-02J	Amber-A1	INTACT	22-DEC-15		WETCHEM	Francisco Castellano	OPREP CUSTODY	OPREP CUSTODY	Francisco Castellano
L1533592-02J	Amber-A1	INTACT	22-DEC-15		OPREP CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-02J	Amber-A1	INTACT	21-DEC-15	CUSTODY	CUSTODY	Roobenso Romain	OPREP CUSTODY	OPREP CUSTODY	Roobenso Romain
L1533592-02J	Amber-A1	INTACT	21-DEC-15	TRANSFER - WESTBORO	TRANSFER - MANSFIELD	William McClendon	CUSTODY	CUSTODY	William McClendon
L1533592-02J	Amber-A1	INTACT	21-DEC-15		TRANSFER - WESTBORO	William McClendon	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	William McClendon
L1533592-02J	Amber-A1	INTACT	21-DEC-15	CUSTODY	A2-CUSTODY-NOAA1	Kim L. Bailey	TRANSFER - WESTBORO	TRANSFER - WESTBORO	Kim L. Bailey
L1533592-02J	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-02J	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-02J	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-02K	Amber-A1	EMPTY	22-DEC-15	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Brian Anderson	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Brian Anderson
L1533592-02K	Amber-A1	INTACT	22-DEC-15	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Brian Anderson	A2-ORGANIC PREP	A2-ORGANIC PREP	Brian Anderson
L1533592-02K	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-02K	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-02K	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-02L	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-02L	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-02L	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-02X	SVial-A	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1533592-02X SVial-A	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-02X SVial-A	INTACT	22-DEC-15	WETCHEM	CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-02X SVial-A	INTACT	22-DEC-15	LOGIN	LOGIN	Roobenso Romain	CUSTODY	CUSTODY	Roobenso Romain
L1533592-02Y SVial-A	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-02Y SVial-A	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-02Y SVial-A	INTACT	22-DEC-15	WETCHEM	CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-02Y SVial-A	INTACT	22-DEC-15	LOGIN	LOGIN	Roobenso Romain	CUSTODY	CUSTODY	Roobenso Romain
L1533592-03A Vial-B	INTACT	30-DEC-15	GC/MS	GC/MS	Przemyslaw Kaczorows	CUSTODY	VOA DEAD FRIDGE	CUST Przemyslaw Kaczorows
L1533592-03A Vial-B	INTACT	30-DEC-15	GC/MS	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1533592-03A Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-03A Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-03B Vial-B	INTACT	26-DEC-15	GC/MS	GC/MS	Jackingson Celestin	CUSTODY	VOA DEAD FRIDGE	CUST Jackingson Celestin
L1533592-03B Vial-B	INTACT	26-DEC-15	CUSTODY	VOA CUSTODY	Jackingson Celestin	GC/MS	GC/MS	Jackingson Celestin
L1533592-03B Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-03B Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-03C Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-03C Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-03D Vial-D	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-03D Vial-D	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-03D Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-03D Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-03D Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-03E Vial-D	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-03E Vial-D	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-03E Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1533592-03E	Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-03E	Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-03F	Vial-D	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-03F	Vial-D	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-03F	Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-03F	Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-03F	Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-03G	Vial-D	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-03G	Vial-D	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-03G	Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-03G	Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-03G	Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-03H	Plastic-A1	EMPTY	22-DEC-15		WETCHEM	Sonal Patel	WETCHEM CUSTODY	WETCHEM CUSTODY	Sonal Patel
L1533592-03H	Plastic-A1	INTACT	22-DEC-15		CUSTODY	Samantha Garner	WETCHEM	WETCHEM	Samantha Garner
L1533592-03H	Plastic-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-03I	Amber-A1	EMPTY	23-DEC-15	A2-CUSTODY	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald
L1533592-03I	Amber-A1	INTACT	23-DEC-15	A2-CUSTODY	A2-CUSTODY-NOAA1	Joseph MacDonald	A2-ORGANIC PREP	A2-ORGANIC PREP	Joseph MacDonald
L1533592-03I	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-03I	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-03I	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-03J	Amber-A1	INTACT	05-JAN-16	OPREP CUSTODY	WETCHEM	Steve Barton	CUSTODY	OPREP CUSTODY	Steve Barton
Comments: This container has not been properly returned to CUSTODY! It was last assigned to KBAIL for department TRANSFER - WESTBORO on 12/21/15 14:49 .									
L1533592-03J	Amber-A1	INTACT	05-JAN-16		OPREP CUSTODY	Milos Lasica	WETCHEM	WETCHEM	Milos Lasica
L1533592-03J	Amber-A1	INTACT	22-DEC-15		WETCHEM	Francisco Castellano	OPREP CUSTODY	OPREP CUSTODY	Francisco Castellano
L1533592-03J	Amber-A1	INTACT	22-DEC-15		OPREP CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1533592-03J	Amber-A1	INTACT	21-DEC-15	CUSTODY	CUSTODY	Roobenso Romain	OPREP CUSTODY	OPREP CUSTODY	Roobenso Romain
L1533592-03J	Amber-A1	INTACT	21-DEC-15	TRANSFER - WESTBORO	TRANSFER - MANSFIELD	William McClendon	CUSTODY	CUSTODY	William McClendon
L1533592-03J	Amber-A1	INTACT	21-DEC-15		TRANSFER - WESTBORO	William McClendon	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	William McClendon
L1533592-03J	Amber-A1	INTACT	21-DEC-15	CUSTODY	A2-CUSTODY-NOAA1	Kim L. Bailey	TRANSFER - WESTBORO	TRANSFER - WESTBORO	Kim L. Bailey
L1533592-03J	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-03J	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-03J	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-03K	Amber-A1	EMPTY	22-DEC-15	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Brian Anderson	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Brian Anderson
L1533592-03K	Amber-A1	INTACT	22-DEC-15	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Brian Anderson	A2-ORGANIC PREP	A2-ORGANIC PREP	Brian Anderson
L1533592-03K	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-03K	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-03K	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-03L	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-03L	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-03L	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-03X	SVial-A	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-03X	SVial-A	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-03X	SVial-A	INTACT	22-DEC-15	WETCHEM	CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-03X	SVial-A	INTACT	22-DEC-15	LOGIN	LOGIN	Roobenso Romain	CUSTODY	CUSTODY	Roobenso Romain
L1533592-03Y	SVial-A	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-03Y	SVial-A	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-03Y	SVial-A	INTACT	22-DEC-15	WETCHEM	CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-03Y	SVial-A	INTACT	22-DEC-15	LOGIN	LOGIN	Roobenso Romain	CUSTODY	CUSTODY	Roobenso Romain
L1533592-04A	Vial-B	INTACT	30-DEC-15	GC/MS	GC/MS	Przemyslaw Kaczorows	CUSTODY	VOA DEAD FRIDGE	CUST Przemyslaw Kaczorows
L1533592-04A	Vial-B	INTACT	30-DEC-15	GC/MS	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1533592-04A Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-04A Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-04B Vial-B	INTACT	26-DEC-15	GC/MS	GC/MS	Jackingson Celestin	CUSTODY	VOA DEAD FRIDGE	CUST Jackingson Celestin
L1533592-04B Vial-B	INTACT	26-DEC-15	CUSTODY	VOA CUSTODY	Jackingson Celestin	GC/MS	GC/MS	Jackingson Celestin
L1533592-04B Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-04B Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-04C Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-04C Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-04D Vial-D	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-04D Vial-D	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-04D Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-04D Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-04D Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-04E Vial-D	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-04E Vial-D	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-04E Vial-D	INTACT	06-JAN-16		CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-04E Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-04F Vial-D	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-04F Vial-D	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-04F Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-04F Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-04F Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-04G Vial-D	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-04G Vial-D	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-04G Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1533592-04G	Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-04G	Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-04H	Plastic-A1	EMPTY	22-DEC-15		WETCHEM	Sonal Patel	WETCHEM CUSTODY	WETCHEM CUSTODY	Sonal Patel
L1533592-04H	Plastic-A1	INTACT	22-DEC-15		CUSTODY	Samantha Garner	WETCHEM	WETCHEM	Samantha Garner
L1533592-04H	Plastic-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-04I	Amber-A1	INTACT	23-DEC-15	A2-CUSTODY	A2-CUSTODY-NOAA1	Joseph MacDonald	A2-ORGANIC PREP	A2-ORGANIC PREP	Joseph MacDonald
L1533592-04I	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-04I	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-04I	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-04J	Amber-A1	INTACT	05-JAN-16	OPREP CUSTODY	WETCHEM	Steve Barton	CUSTODY	OPREP CUSTODY	Steve Barton
Comments: This container has not been properly returned to CUSTODY! It was last assigned to KBAIL for department TRANSFER - WESTBORO on 12/21/15 14:49 .									
L1533592-04J	Amber-A1	INTACT	05-JAN-16		OPREP CUSTODY	Milos Lasica	WETCHEM	WETCHEM	Milos Lasica
L1533592-04J	Amber-A1	INTACT	22-DEC-15		WETCHEM	Francisco Castellano	OPREP CUSTODY	OPREP CUSTODY	Francisco Castellano
L1533592-04J	Amber-A1	INTACT	22-DEC-15		OPREP CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-04J	Amber-A1	INTACT	21-DEC-15	CUSTODY	CUSTODY	Roobenso Romain	OPREP CUSTODY	OPREP CUSTODY	Roobenso Romain
L1533592-04J	Amber-A1	INTACT	21-DEC-15	TRANSFER - WESTBORO	TRANSFER - MANSFIELD	William McClendon	CUSTODY	CUSTODY	William McClendon
L1533592-04J	Amber-A1	INTACT	21-DEC-15		TRANSFER - WESTBORO	William McClendon	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	William McClendon
L1533592-04J	Amber-A1	INTACT	21-DEC-15	CUSTODY	A2-CUSTODY-NOAA1	Kim L. Bailey	TRANSFER - WESTBORO	TRANSFER - WESTBORO	Kim L. Bailey
L1533592-04J	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-04J	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-04J	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-04K	Amber-A1	EMPTY	22-DEC-15	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Brian Anderson	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Brian Anderson
L1533592-04K	Amber-A1	INTACT	22-DEC-15	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Brian Anderson	A2-ORGANIC PREP	A2-ORGANIC PREP	Brian Anderson
L1533592-04K	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-04K	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1533592-04K Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-04L Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-04L Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-04L Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-04X SVial-A	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-04X SVial-A	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-04X SVial-A	INTACT	22-DEC-15	WETCHEM	CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-04X SVial-A	INTACT	22-DEC-15	LOGIN	LOGIN	Roobenso Romain	CUSTODY	CUSTODY	Roobenso Romain
L1533592-04Y SVial-A	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-04Y SVial-A	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-04Y SVial-A	INTACT	22-DEC-15	WETCHEM	CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-04Y SVial-A	INTACT	22-DEC-15	LOGIN	LOGIN	Roobenso Romain	CUSTODY	CUSTODY	Roobenso Romain
L1533592-05A Vial-B	INTACT	30-DEC-15	GC/MS	GC/MS	Przemyslaw Kaczorows	CUSTODY	VOA DEAD FRIDGE	CUST Przemyslaw Kaczorows
L1533592-05A Vial-B	INTACT	30-DEC-15	GC/MS	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1533592-05A Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-05A Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05A1 Vial-B	INTACT	30-DEC-15	GC/MS	GC/MS	Przemyslaw Kaczorows	CUSTODY	VOA DEAD FRIDGE	CUST Przemyslaw Kaczorows
L1533592-05A1 Vial-B	INTACT	30-DEC-15	GC/MS	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1533592-05A1 Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-05A1 Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05A2 Vial-B	INTACT	30-DEC-15	GC/MS	GC/MS	Przemyslaw Kaczorows	CUSTODY	VOA DEAD FRIDGE	CUST Przemyslaw Kaczorows
L1533592-05A2 Vial-B	INTACT	30-DEC-15	GC/MS	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1533592-05A2 Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-05A2 Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05B Vial-B	INTACT	26-DEC-15	GC/MS	GC/MS	Jackingson Celestin	CUSTODY	VOA DEAD FRIDGE	CUST Jackingson Celestin

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1533592-05B Vial-B	INTACT	26-DEC-15	CUSTODY	VOA CUSTODY	Jackingson Celestin	GC/MS	GC/MS	Jackingson Celestin
L1533592-05B Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-05B Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05B1 Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-05B1 Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05B2 Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-05B2 Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05C Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-05C Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05C1 Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-05C1 Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05C2 Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-05C2 Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05D Vial-D	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-05D Vial-D	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-05D Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-05D Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-05D Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05D1 Vial-D	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-05D1 Vial-D	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-05D1 Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-05D1 Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-05D1 Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05D2 Vial-D	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-05D2 Vial-D	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1533592-05D2 Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-05D2 Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-05D2 Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05E Vial-D	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-05E Vial-D	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-05E Vial-D	INTACT	06-JAN-16		CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-05E Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05E1 Vial-D	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-05E1 Vial-D	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-05E1 Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-05E1 Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-05E1 Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05E2 Vial-D	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-05E2 Vial-D	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-05E2 Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-05E2 Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-05E2 Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05F Vial-D	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-05F Vial-D	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-05F Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-05F Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-05F Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05F1 Vial-D	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-05F1 Vial-D	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-05F1 Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1533592-05F1 Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-05F1 Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05F2 Vial-D	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-05F2 Vial-D	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-05F2 Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-05F2 Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-05F2 Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05G Vial-D	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-05G Vial-D	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-05G Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-05G Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-05G Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05G1 Vial-D	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-05G1 Vial-D	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-05G1 Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-05G1 Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-05G1 Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05G2 Vial-D	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-05G2 Vial-D	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-05G2 Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-05G2 Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-05G2 Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05H Plastic-A1	EMPTY	22-DEC-15		WETCHEM	Sonal Patel	WETCHEM CUSTODY	WETCHEM CUSTODY	Sonal Patel
L1533592-05H Plastic-A1	INTACT	22-DEC-15		CUSTODY	Samantha Garner	WETCHEM	WETCHEM	Samantha Garner
L1533592-05H Plastic-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1533592-05H1 Plastic-A1	EMPTY	22-DEC-15		WETCHEM	Sonal Patel	WETCHEM CUSTODY	WETCHEM CUSTODY	Sonal Patel
L1533592-05H1 Plastic-A1	INTACT	22-DEC-15		CUSTODY	Samantha Garner	WETCHEM	WETCHEM	Samantha Garner
L1533592-05H1 Plastic-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05I Amber-A1	EMPTY	23-DEC-15	A2-CUSTODY	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald
L1533592-05I Amber-A1	INTACT	23-DEC-15	A2-CUSTODY	A2-CUSTODY-NOAA1	Joseph MacDonald	A2-ORGANIC PREP	A2-ORGANIC PREP	Joseph MacDonald
L1533592-05I Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-05I Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-05I Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05I1 Amber-A1	EMPTY	23-DEC-15	A2-CUSTODY	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald
L1533592-05I1 Amber-A1	INTACT	23-DEC-15	A2-CUSTODY	A2-CUSTODY-NOAA1	Joseph MacDonald	A2-ORGANIC PREP	A2-ORGANIC PREP	Joseph MacDonald
L1533592-05I1 Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-05I1 Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-05I1 Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05I2 Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-05I2 Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-05I2 Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05J Amber-A1	INTACT	05-JAN-16	OPREP CUSTODY	WETCHEM	Steve Barton	CUSTODY	OPREP CUSTODY	Steve Barton
Comments: This container has not been properly returned to CUSTODY! It was last assigned to KBAIL for department TRANSFER - WESTBORO on 12/21/15 14:49 .								
L1533592-05J Amber-A1	INTACT	05-JAN-16		OPREP CUSTODY	Milos Lasica	WETCHEM	WETCHEM	Milos Lasica
L1533592-05J Amber-A1	INTACT	22-DEC-15		OPREP CUSTODY	Francisco Castellano	OPREP CUSTODY	OPREP CUSTODY	Francisco Castellano
L1533592-05J Amber-A1	INTACT	21-DEC-15	CUSTODY	CUSTODY	Roobenso Romain	OPREP CUSTODY	OPREP CUSTODY	Roobenso Romain
L1533592-05J Amber-A1	INTACT	21-DEC-15	TRANSFER - WESTBORO	TRANSFER - MANSFIELD	William McClendon	CUSTODY	CUSTODY	William McClendon
L1533592-05J Amber-A1	INTACT	21-DEC-15		TRANSFER - WESTBORO	William McClendon	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	William McClendon
L1533592-05J Amber-A1	INTACT	21-DEC-15	CUSTODY	A2-CUSTODY-NOAA1	Kim L. Bailey	TRANSFER - WESTBORO	TRANSFER - WESTBORO	Kim L. Bailey
L1533592-05J Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey

Container ID Type	Status	Transaction Date	From Response	From Location	From Operator	To Response	To Location	To Operator
L1533592-05J Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-05J Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05J1 Amber-A1	INTACT	22-DEC-15		WETCHEM	Francisco Castellano	OPREP CUSTODY	OPREP CUSTODY	Francisco Castellano
Comments: This container has not been properly returned to CUSTODY! It was last assigned to KBAIL for department TRANSFER - WESTBORO on 12/21/15 14:49 .								
L1533592-05J1 Amber-A1	INTACT	22-DEC-15		OPREP CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-05J1 Amber-A1	INTACT	21-DEC-15	CUSTODY	CUSTODY	Roobenso Romain	OPREP CUSTODY	OPREP CUSTODY	Roobenso Romain
L1533592-05J1 Amber-A1	INTACT	21-DEC-15	TRANSFER - WESTBORO	TRANSFER - MANSFIELD	William McClendon	CUSTODY	CUSTODY	William McClendon
L1533592-05J1 Amber-A1	INTACT	21-DEC-15		TRANSFER - WESTBORO	William McClendon	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	William McClendon
L1533592-05J1 Amber-A1	INTACT	21-DEC-15	CUSTODY	A2-CUSTODY-NOAA1	Kim L. Bailey	TRANSFER - WESTBORO	TRANSFER - WESTBORO	Kim L. Bailey
L1533592-05J1 Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-05J1 Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-05J1 Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05J2 Amber-A1	EMPTY	23-DEC-15	A2-CUSTODY	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald
L1533592-05J2 Amber-A1	INTACT	23-DEC-15	A2-CUSTODY	A2-CUSTODY-NOAA1	Joseph MacDonald	A2-ORGANIC PREP	A2-ORGANIC PREP	Joseph MacDonald
L1533592-05J2 Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-05J2 Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-05J2 Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05K Amber-A1	EMPTY	22-DEC-15	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Brian Anderson	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Brian Anderson
L1533592-05K Amber-A1	INTACT	22-DEC-15	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Brian Anderson	A2-ORGANIC PREP	A2-ORGANIC PREP	Brian Anderson
L1533592-05K Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-05K Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-05K Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05K1 Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-05K1 Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-05K1 Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman

Container ID Type	Status	Transaction Date	From Response	Location	Operator	To Response	Location	Operator
L1533592-05K2 Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-05K2 Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-05K2 Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05L Amber-A1	EMPTY	22-DEC-15	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Brian Anderson	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Brian Anderson
L1533592-05L Amber-A1	INTACT	22-DEC-15	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Brian Anderson	A2-ORGANIC PREP	A2-ORGANIC PREP	Brian Anderson
L1533592-05L Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-05L Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-05L Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05L1 Amber-A1	EMPTY	22-DEC-15	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Brian Anderson	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Brian Anderson
L1533592-05L1 Amber-A1	INTACT	22-DEC-15	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Brian Anderson	A2-ORGANIC PREP	A2-ORGANIC PREP	Brian Anderson
L1533592-05L1 Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-05L1 Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-05L1 Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05L2 Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-05L2 Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-05L2 Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-05X SVial-A	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-05X SVial-A	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-05X SVial-A	INTACT	22-DEC-15	WETCHEM	CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-05X SVial-A	INTACT	22-DEC-15	LOGIN	LOGIN	Roobenso Romain	CUSTODY	CUSTODY	Roobenso Romain
L1533592-05Y SVial-A	INTACT	11-JAN-16		WETCHEM CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-05Y SVial-A	INTACT	11-JAN-16	WETCHEM	WETCHEM	Andrew Schult	CUSTODY	WETCHEM CUSTODY	Andrew Schult
L1533592-05Y SVial-A	INTACT	22-DEC-15	WETCHEM	CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-05Y SVial-A	INTACT	22-DEC-15	LOGIN	LOGIN	Roobenso Romain	CUSTODY	CUSTODY	Roobenso Romain
L1533592-06A Vial-B	INTACT	30-DEC-15	GC/MS	GC/MS	Przemyslaw Kaczorows	CUSTODY	VOA DEAD FRIDGE CUST	Przemyslaw Kaczorows

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1533592-06A Vial-B	INTACT	30-DEC-15	GC/MS	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1533592-06A Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-06A Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-06B Vial-B	INTACT	26-DEC-15	GC/MS	GC/MS	Jackingson Celestin	CUSTODY	VOA DEAD FRIDGE	CUST Jackingson Celestin
L1533592-06B Vial-B	INTACT	26-DEC-15	CUSTODY	VOA CUSTODY	Jackingson Celestin	GC/MS	GC/MS	Jackingson Celestin
L1533592-06B Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-06B Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-06C Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-06C Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-06D Vial-D	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-06D Vial-D	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-06D Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-06D Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-06D Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-06E Vial-D	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-06E Vial-D	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-06E Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-06E Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-06E Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-06F Vial-D	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-06F Vial-D	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-06F Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-06F Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-06F Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-06G Vial-D	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1533592-06G	Vial-D	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-06G	Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-06G	Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-06G	Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-06H	Plastic-A1	EMPTY	22-DEC-15		WETCHEM	Sonal Patel	WETCHEM CUSTODY	WETCHEM CUSTODY	Sonal Patel
L1533592-06H	Plastic-A1	INTACT	22-DEC-15		CUSTODY	Samantha Garner	WETCHEM	WETCHEM	Samantha Garner
L1533592-06H	Plastic-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-06I	Amber-A1	EMPTY	23-DEC-15	A2-CUSTODY	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald
L1533592-06I	Amber-A1	INTACT	23-DEC-15	A2-CUSTODY	A2-CUSTODY-NOAA1	Joseph MacDonald	A2-ORGANIC PREP	A2-ORGANIC PREP	Joseph MacDonald
L1533592-06I	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-06I	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-06I	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-06J	Amber-A1	INTACT	05-JAN-16	OPREP CUSTODY	WETCHEM	Steve Barton	CUSTODY	OPREP CUSTODY	Steve Barton
Comments: This container has not been properly returned to CUSTODY! It was last assigned to KBAIL for department TRANSFER - WESTBORO on 12/21/15 14:49 .									
L1533592-06J	Amber-A1	INTACT	05-JAN-16		OPREP CUSTODY	Milos Lasica	WETCHEM	WETCHEM	Milos Lasica
L1533592-06J	Amber-A1	INTACT	22-DEC-15		WETCHEM	Francisco Castellano	OPREP CUSTODY	OPREP CUSTODY	Francisco Castellano
L1533592-06J	Amber-A1	INTACT	22-DEC-15		OPREP CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-06J	Amber-A1	INTACT	21-DEC-15	CUSTODY	CUSTODY	Roobenso Romain	OPREP CUSTODY	OPREP CUSTODY	Roobenso Romain
L1533592-06J	Amber-A1	INTACT	21-DEC-15	TRANSFER - WESTBORO	TRANSFER - MANSFIELD	William McClendon	CUSTODY	CUSTODY	William McClendon
L1533592-06J	Amber-A1	INTACT	21-DEC-15		TRANSFER - WESTBORO	William McClendon	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	William McClendon
L1533592-06J	Amber-A1	INTACT	21-DEC-15	CUSTODY	A2-CUSTODY-NOAA1	Kim L. Bailey	TRANSFER - WESTBORO	TRANSFER - WESTBORO	Kim L. Bailey
L1533592-06J	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-06J	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-06J	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-06K	Amber-A1	EMPTY	22-DEC-15	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Brian Anderson	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Brian Anderson

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1533592-06K	Amber-A1	INTACT	22-DEC-15	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Brian Anderson	A2-ORGANIC PREP	A2-ORGANIC PREP	Brian Anderson
L1533592-06K	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-06K	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-06K	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-06L	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-06L	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-06L	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-06X	SVial-A	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-06X	SVial-A	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-06X	SVial-A	INTACT	22-DEC-15	WETCHEM	CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-06X	SVial-A	INTACT	22-DEC-15	LOGIN	LOGIN	Roobenso Romain	CUSTODY	CUSTODY	Roobenso Romain
L1533592-06Y	SVial-A	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-06Y	SVial-A	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-06Y	SVial-A	INTACT	22-DEC-15	WETCHEM	CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-06Y	SVial-A	INTACT	22-DEC-15	LOGIN	LOGIN	Roobenso Romain	CUSTODY	CUSTODY	Roobenso Romain
L1533592-07A	Vial-B	INTACT	04-JAN-16	GC/MS	VOA DEAD FRIDGE	CUST Piotr Duczmalewski	CUSTODY	VOA DEAD FRIDGE	CUST Piotr Duczmalewski
L1533592-07A	Vial-B	INTACT	30-DEC-15	GC/MS	GC/MS	Przemyslaw Kaczorows	CUSTODY	VOA DEAD FRIDGE	CUST Przemyslaw Kaczorows
L1533592-07A	Vial-B	INTACT	30-DEC-15	GC/MS	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1533592-07A	Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-07A	Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-07B	Vial-B	INTACT	26-DEC-15	GC/MS	GC/MS	Jackingson Celestin	CUSTODY	VOA DEAD FRIDGE	CUST Jackingson Celestin
L1533592-07B	Vial-B	INTACT	26-DEC-15	CUSTODY	VOA CUSTODY	Jackingson Celestin	GC/MS	GC/MS	Jackingson Celestin
L1533592-07B	Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-07B	Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-07C	Vial-B	INTACT	04-JAN-16	GC/MS	GC/MS	Piotr Duczmalewski	CUSTODY	VOA DEAD FRIDGE	CUST Piotr Duczmalewski

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1533592-07C	Vial-B	INTACT	31-DEC-15	GC	VOA CUSTODY	Marco Soares	GC/MS	GC/MS	Marco Soares
L1533592-07C	Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-07C	Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-07D	Vial-D	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-07D	Vial-D	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-07D	Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-07D	Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-07D	Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-07E	Vial-D	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-07E	Vial-D	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-07E	Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-07E	Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-07E	Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-07H	Plastic-A1	EMPTY	22-DEC-15		WETCHEM	Sonal Patel	WETCHEM CUSTODY	WETCHEM CUSTODY	Sonal Patel
L1533592-07H	Plastic-A1	INTACT	22-DEC-15		CUSTODY	Samantha Garner	WETCHEM	WETCHEM	Samantha Garner
L1533592-07H	Plastic-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-07I	Amber-A1	EMPTY	23-DEC-15	A2-CUSTODY	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald
L1533592-07I	Amber-A1	INTACT	23-DEC-15	A2-CUSTODY	A2-CUSTODY-NOAA1	Joseph MacDonald	A2-ORGANIC PREP	A2-ORGANIC PREP	Joseph MacDonald
L1533592-07I	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-07I	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-07I	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-07J	Amber-A1	INTACT	05-JAN-16	OPREP CUSTODY	WETCHEM	Steve Barton	CUSTODY	OPREP CUSTODY	Steve Barton
Comments: This container has not been properly returned to CUSTODY! It was last assigned to KBAIL for department TRANSFER - WESTBORO on 12/21/15 14:49 .									
L1533592-07J	Amber-A1	INTACT	05-JAN-16		OPREP CUSTODY	Milos Lasica	WETCHEM	WETCHEM	Milos Lasica
L1533592-07J	Amber-A1	INTACT	22-DEC-15		WETCHEM	Francisco Castellano	OPREP CUSTODY	OPREP CUSTODY	Francisco Castellano

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1533592-07J	Amber-A1	INTACT	22-DEC-15		OPREP CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-07J	Amber-A1	INTACT	21-DEC-15	CUSTODY	CUSTODY	Roobenso Romain	OPREP CUSTODY	OPREP CUSTODY	Roobenso Romain
L1533592-07J	Amber-A1	INTACT	21-DEC-15	TRANSFER - WESTBORO	TRANSFER - MANSFIELD	William McClendon	CUSTODY	CUSTODY	William McClendon
L1533592-07J	Amber-A1	INTACT	21-DEC-15		TRANSFER - WESTBORO	William McClendon	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	William McClendon
L1533592-07J	Amber-A1	INTACT	21-DEC-15	CUSTODY	A2-CUSTODY-NOAA1	Kim L. Bailey	TRANSFER - WESTBORO	TRANSFER - WESTBORO	Kim L. Bailey
L1533592-07J	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-07J	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-07J	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-07K	Amber-A1	EMPTY	22-DEC-15	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Brian Anderson	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Brian Anderson
L1533592-07K	Amber-A1	INTACT	22-DEC-15	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Brian Anderson	A2-ORGANIC PREP	A2-ORGANIC PREP	Brian Anderson
L1533592-07K	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-07K	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-07K	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-07L	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-07L	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-07L	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-07X	SVial-A	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-07X	SVial-A	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-07X	SVial-A	INTACT	22-DEC-15	WETCHEM	CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-07X	SVial-A	INTACT	22-DEC-15	LOGIN	LOGIN	Roobenso Romain	CUSTODY	CUSTODY	Roobenso Romain
L1533592-07Y	SVial-A	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-07Y	SVial-A	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-07Y	SVial-A	INTACT	22-DEC-15	WETCHEM	CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-07Y	SVial-A	INTACT	22-DEC-15	LOGIN	LOGIN	Roobenso Romain	CUSTODY	CUSTODY	Roobenso Romain
L1533592-08A	Vial-B	INTACT	04-JAN-16	GC/MS	GC/MS	Piotr Duczmalewski	CUSTODY	VOA DEAD FRIDGE CUST	Piotr Duczmalewski

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1533592-08A Vial-B	INTACT	31-DEC-15	GC	VOA CUSTODY	Marco Soares	GC/MS	GC/MS	Marco Soares
L1533592-08A Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-08A Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-08B Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-08B Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-09A Vial-B	INTACT	04-JAN-16	GC/MS	GC/MS	Piotr Duczmalewski	CUSTODY	VOA DEAD FRIDGE	CUST Piotr Duczmalewski
L1533592-09A Vial-B	INTACT	31-DEC-15	GC	VOA CUSTODY	Marco Soares	GC/MS	GC/MS	Marco Soares
L1533592-09A Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-09A Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-09B Vial-B	INTACT	26-DEC-15	GC/MS	GC/MS	Jackingson Celestin	CUSTODY	VOA DEAD FRIDGE	CUST Jackingson Celestin
L1533592-09B Vial-B	INTACT	26-DEC-15	CUSTODY	VOA CUSTODY	Jackingson Celestin	GC/MS	GC/MS	Jackingson Celestin
L1533592-09B Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-09B Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-09C Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-09C Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-09D Vial-D	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-09D Vial-D	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-09D Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-09D Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-09D Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-09E Vial-D	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-09E Vial-D	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-09E Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-09E Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-09E Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1533592-09F	Vial-D	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-09F	Vial-D	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-09F	Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-09F	Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-09F	Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-09G	Vial-D	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-09G	Vial-D	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-09G	Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-09G	Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-09G	Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-09H	Plastic-A1	EMPTY	22-DEC-15		WETCHEM	Sonal Patel	WETCHEM CUSTODY	WETCHEM CUSTODY	Sonal Patel
L1533592-09H	Plastic-A1	INTACT	22-DEC-15		CUSTODY	Samantha Garner	WETCHEM	WETCHEM	Samantha Garner
L1533592-09H	Plastic-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-09I	Amber-A1	EMPTY	23-DEC-15	A2-CUSTODY	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald
L1533592-09I	Amber-A1	INTACT	23-DEC-15	A2-CUSTODY	A2-CUSTODY-NOAA1	Joseph MacDonald	A2-ORGANIC PREP	A2-ORGANIC PREP	Joseph MacDonald
L1533592-09I	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-09I	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-09I	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-09J	Amber-A1	INTACT	05-JAN-16	OPREP CUSTODY	WETCHEM	Steve Barton	CUSTODY	OPREP CUSTODY	Steve Barton
Comments: This container has not been properly returned to CUSTODY! It was last assigned to KBAIL for department TRANSFER - WESTBORO on 12/21/15 14:49 .									
L1533592-09J	Amber-A1	INTACT	05-JAN-16		OPREP CUSTODY	Milos Lasica	WETCHEM	WETCHEM	Milos Lasica
L1533592-09J	Amber-A1	INTACT	22-DEC-15		WETCHEM	Francisco Castellano	OPREP CUSTODY	OPREP CUSTODY	Francisco Castellano
L1533592-09J	Amber-A1	INTACT	22-DEC-15		OPREP CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-09J	Amber-A1	INTACT	21-DEC-15	CUSTODY	CUSTODY	Roobenso Romain	OPREP CUSTODY	OPREP CUSTODY	Roobenso Romain
L1533592-09J	Amber-A1	INTACT	21-DEC-15	TRANSFER - WESTBORO	TRANSFER - MANSFIELD	William McClendon	CUSTODY	CUSTODY	William McClendon

Container ID	Type	Status	Transaction Date	From Response	Location	Operator	To Response	Location	Operator
L1533592-09J	Amber-A1	INTACT	21-DEC-15		TRANSFER - WESTBORO	William McClendon	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	William McClendon
L1533592-09J	Amber-A1	INTACT	21-DEC-15	CUSTODY	A2-CUSTODY-NOAA1	Kim L. Bailey	TRANSFER - WESTBORO	TRANSFER - WESTBORO	Kim L. Bailey
L1533592-09J	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-09J	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-09J	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-09K	Amber-A1	EMPTY	22-DEC-15	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Brian Anderson	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Brian Anderson
L1533592-09K	Amber-A1	INTACT	22-DEC-15	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Brian Anderson	A2-ORGANIC PREP	A2-ORGANIC PREP	Brian Anderson
L1533592-09K	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-09K	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-09K	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-09L	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-09L	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-09L	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-09X	SVial-A	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-09X	SVial-A	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-09X	SVial-A	INTACT	22-DEC-15	WETCHEM	CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-09X	SVial-A	INTACT	22-DEC-15	LOGIN	LOGIN	Roobenso Romain	CUSTODY	CUSTODY	Roobenso Romain
L1533592-09Y	SVial-A	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-09Y	SVial-A	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-09Y	SVial-A	INTACT	22-DEC-15	WETCHEM	CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-09Y	SVial-A	INTACT	22-DEC-15	LOGIN	LOGIN	Roobenso Romain	CUSTODY	CUSTODY	Roobenso Romain
L1533592-10A	Vial-B	INTACT	04-JAN-16	GC/MS	GC/MS	Piotr Duczmalewski	CUSTODY	VOA DEAD FRIDGE	CUST Piotr Duczmalewski
L1533592-10A	Vial-B	INTACT	31-DEC-15	GC	VOA CUSTODY	Marco Soares	GC/MS	GC/MS	Marco Soares
L1533592-10A	Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-10A	Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1533592-10B Vial-B	INTACT	26-DEC-15	GC/MS	GC/MS	Jackingson Celestin	CUSTODY	VOA DEAD FRIDGE	CUST Jackingson Celestin
L1533592-10B Vial-B	INTACT	26-DEC-15	CUSTODY	VOA CUSTODY	Jackingson Celestin	GC/MS	GC/MS	Jackingson Celestin
L1533592-10B Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-10B Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-10C Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-10C Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-10D Vial-D	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-10D Vial-D	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-10D Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-10D Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-10D Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-10E Vial-D	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-10E Vial-D	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-10E Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-10E Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-10E Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-10F Vial-D	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-10F Vial-D	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-10F Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-10F Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-10F Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-10H Plastic-A1	EMPTY	22-DEC-15		WETCHEM	Sonal Patel	WETCHEM CUSTODY	WETCHEM CUSTODY	Sonal Patel
L1533592-10H Plastic-A1	INTACT	22-DEC-15		CUSTODY	Samantha Garner	WETCHEM	WETCHEM	Samantha Garner
L1533592-10H Plastic-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-10I Amber-A1	EMPTY	23-DEC-15	A2-CUSTODY	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1533592-10I	Amber-A1	INTACT	23-DEC-15	A2-CUSTODY	A2-CUSTODY-NOAA1	Joseph MacDonald	A2-ORGANIC PREP	A2-ORGANIC PREP	Joseph MacDonald
L1533592-10I	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-10I	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-10I	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-10J	Amber-A1	INTACT	05-JAN-16	OPREP CUSTODY	WETCHEM	Steve Barton	CUSTODY	OPREP CUSTODY	Steve Barton
Comments: This container has not been properly returned to CUSTODY! It was last assigned to KBAIL for department TRANSFER - WESTBORO on 12/21/15 14:49 .									
L1533592-10J	Amber-A1	INTACT	05-JAN-16		OPREP CUSTODY	Milos Lasica	WETCHEM	WETCHEM	Milos Lasica
L1533592-10J	Amber-A1	INTACT	22-DEC-15		WETCHEM	Francisco Castellano	OPREP CUSTODY	OPREP CUSTODY	Francisco Castellano
L1533592-10J	Amber-A1	INTACT	22-DEC-15		OPREP CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-10J	Amber-A1	INTACT	21-DEC-15	CUSTODY	CUSTODY	Roobenso Romain	OPREP CUSTODY	OPREP CUSTODY	Roobenso Romain
L1533592-10J	Amber-A1	INTACT	21-DEC-15	TRANSFER - WESTBORO	TRANSFER - MANSFIELD	William McClendon	CUSTODY	CUSTODY	William McClendon
L1533592-10J	Amber-A1	INTACT	21-DEC-15		TRANSFER - WESTBORO	William McClendon	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	William McClendon
L1533592-10J	Amber-A1	INTACT	21-DEC-15	CUSTODY	A2-CUSTODY-NOAA1	Kim L. Bailey	TRANSFER - WESTBORO	TRANSFER - WESTBORO	Kim L. Bailey
L1533592-10J	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-10J	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-10J	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-10K	Amber-A1	EMPTY	22-DEC-15	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Brian Anderson	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Brian Anderson
L1533592-10K	Amber-A1	INTACT	22-DEC-15	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Brian Anderson	A2-ORGANIC PREP	A2-ORGANIC PREP	Brian Anderson
L1533592-10K	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-10K	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-10K	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-10L	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-10L	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-10L	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-10X	SVial-A	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1533592-10X SVial-A	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-10X SVial-A	INTACT	22-DEC-15	WETCHEM	CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-10X SVial-A	INTACT	22-DEC-15	LOGIN	LOGIN	Roobenso Romain	CUSTODY	CUSTODY	Roobenso Romain
L1533592-10Y SVial-A	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-10Y SVial-A	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-10Y SVial-A	INTACT	22-DEC-15	WETCHEM	CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-10Y SVial-A	INTACT	22-DEC-15	LOGIN	LOGIN	Roobenso Romain	CUSTODY	CUSTODY	Roobenso Romain
L1533592-11A Vial-B	INTACT	04-JAN-16	GC/MS	GC/MS	Piotr Duczmalewski	CUSTODY	VOA DEAD FRIDGE	CUST Piotr Duczmalewski
L1533592-11A Vial-B	INTACT	31-DEC-15	GC	VOA CUSTODY	Marco Soares	GC/MS	GC/MS	Marco Soares
L1533592-11A Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-11A Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-11B Vial-B	INTACT	26-DEC-15	GC/MS	GC/MS	Jackingson Celestin	CUSTODY	VOA DEAD FRIDGE	CUST Jackingson Celestin
L1533592-11B Vial-B	INTACT	26-DEC-15	CUSTODY	VOA CUSTODY	Jackingson Celestin	GC/MS	GC/MS	Jackingson Celestin
L1533592-11B Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-11B Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-11C Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-11C Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-11D Vial-D	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-11D Vial-D	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-11D Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-11D Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-11D Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-11E Vial-D	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-11E Vial-D	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-11E Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1533592-11E	Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-11E	Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-11F	Vial-D	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-11F	Vial-D	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-11F	Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-11F	Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-11F	Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-11G	Vial-D	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-11G	Vial-D	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-11G	Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-11G	Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-11G	Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-11H	Plastic-A1	EMPTY	22-DEC-15		WETCHEM	Sonal Patel	WETCHEM CUSTODY	WETCHEM CUSTODY	Sonal Patel
L1533592-11H	Plastic-A1	INTACT	22-DEC-15		CUSTODY	Samantha Garner	WETCHEM	WETCHEM	Samantha Garner
L1533592-11H	Plastic-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-11I	Amber-A1	EMPTY	23-DEC-15	A2-CUSTODY	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald
L1533592-11I	Amber-A1	INTACT	23-DEC-15	A2-CUSTODY	A2-CUSTODY-NOAA1	Joseph MacDonald	A2-ORGANIC PREP	A2-ORGANIC PREP	Joseph MacDonald
L1533592-11I	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-11I	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-11I	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-11J	Amber-A1	INTACT	05-JAN-16	OPREP CUSTODY	WETCHEM	Steve Barton	CUSTODY	OPREP CUSTODY	Steve Barton
Comments: This container has not been properly returned to CUSTODY! It was last assigned to KBAIL for department TRANSFER - WESTBORO on 12/21/15 14:49 .									
L1533592-11J	Amber-A1	INTACT	05-JAN-16		OPREP CUSTODY	Milos Lasica	WETCHEM	WETCHEM	Milos Lasica
L1533592-11J	Amber-A1	INTACT	22-DEC-15		WETCHEM	Francisco Castellano	OPREP CUSTODY	OPREP CUSTODY	Francisco Castellano
L1533592-11J	Amber-A1	INTACT	22-DEC-15		OPREP CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1533592-11J	Amber-A1	INTACT	21-DEC-15	CUSTODY	CUSTODY	Roobenso Romain	OPREP CUSTODY	OPREP CUSTODY	Roobenso Romain
L1533592-11J	Amber-A1	INTACT	21-DEC-15	TRANSFER - WESTBORO	TRANSFER - MANSFIELD	William McClendon	CUSTODY	CUSTODY	William McClendon
L1533592-11J	Amber-A1	INTACT	21-DEC-15		TRANSFER - WESTBORO	William McClendon	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	William McClendon
L1533592-11J	Amber-A1	INTACT	21-DEC-15	CUSTODY	A2-CUSTODY-NOAA1	Kim L. Bailey	TRANSFER - WESTBORO	TRANSFER - WESTBORO	Kim L. Bailey
L1533592-11J	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-11J	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-11J	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-11K	Amber-A1	EMPTY	22-DEC-15	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Brian Anderson	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Brian Anderson
L1533592-11K	Amber-A1	INTACT	22-DEC-15	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Brian Anderson	A2-ORGANIC PREP	A2-ORGANIC PREP	Brian Anderson
L1533592-11K	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-11K	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-11K	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-11L	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-11L	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-11L	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-11X	SVial-A	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-11X	SVial-A	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-11X	SVial-A	INTACT	22-DEC-15	WETCHEM	CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-11X	SVial-A	INTACT	22-DEC-15	LOGIN	LOGIN	Roobenso Romain	CUSTODY	CUSTODY	Roobenso Romain
L1533592-11Y	SVial-A	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-11Y	SVial-A	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-11Y	SVial-A	INTACT	22-DEC-15	WETCHEM	CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-11Y	SVial-A	INTACT	22-DEC-15	LOGIN	LOGIN	Roobenso Romain	CUSTODY	CUSTODY	Roobenso Romain
L1533592-12A	Vial-B	INTACT	04-JAN-16	GC/MS	GC/MS	Piotr Duczmalewski	CUSTODY	VOA DEAD FRIDGE	CUST Piotr Duczmalewski
L1533592-12A	Vial-B	INTACT	31-DEC-15	GC	VOA CUSTODY	Marco Soares	GC/MS	GC/MS	Marco Soares

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1533592-12A Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-12A Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-12B Vial-B	INTACT	26-DEC-15	GC/MS	GC/MS	Jackingson Celestin	CUSTODY	VOA DEAD FRIDGE	CUST Jackingson Celestin
L1533592-12B Vial-B	INTACT	26-DEC-15	CUSTODY	VOA CUSTODY	Jackingson Celestin	GC/MS	GC/MS	Jackingson Celestin
L1533592-12B Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-12B Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-12C Vial-B	INTACT	20-DEC-15		CUSTODY	Graham Phillips	VOA CUSTODY	VOA CUSTODY	Graham Phillips
L1533592-12C Vial-B	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-12D Vial-D	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-12D Vial-D	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-12D Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-12D Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-12D Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-12E Vial-D	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-12E Vial-D	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-12E Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-12E Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-12E Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-12F Vial-D	INTACT	07-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-12F Vial-D	INTACT	07-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-12F Vial-D	INTACT	06-JAN-16		R-60 CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1533592-12F Vial-D	INTACT	19-DEC-15	CUSTODY	CUSTODY	John Knoud	R-60 CUSTODY	R-60 CUSTODY	John Knoud
L1533592-12F Vial-D	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-12H Plastic-A1	EMPTY	22-DEC-15		WETCHEM	Sonal Patel	WETCHEM CUSTODY	WETCHEM CUSTODY	Sonal Patel
L1533592-12H Plastic-A1	INTACT	22-DEC-15		CUSTODY	Samantha Garner	WETCHEM	WETCHEM	Samantha Garner

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1533592-12H	Plastic-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-12I	Amber-A1	EMPTY	23-DEC-15	A2-CUSTODY	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald
L1533592-12I	Amber-A1	INTACT	23-DEC-15	A2-CUSTODY	A2-CUSTODY-NOAA1	Joseph MacDonald	A2-ORGANIC PREP	A2-ORGANIC PREP	Joseph MacDonald
L1533592-12I	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-12I	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-12I	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-12J	Amber-A1	INTACT	05-JAN-16	OPREP CUSTODY	WETCHEM	Steve Barton	CUSTODY	OPREP CUSTODY	Steve Barton
L1533592-12J	Amber-A1	INTACT	05-JAN-16		OPREP CUSTODY	Milos Lasica	WETCHEM	WETCHEM	Milos Lasica
L1533592-12J	Amber-A1	INTACT	23-DEC-15		R-47 CUSTODY	Sam Bardsley	OPREP CUSTODY	OPREP CUSTODY	Sam Bardsley
L1533592-12J	Amber-A1	INTACT	22-DEC-15		WETCHEM	Francisco Castellano	R-47 CUSTODY	R-47 CUSTODY	Francisco Castellano
L1533592-12J	Amber-A1	INTACT	22-DEC-15		OPREP CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-12J	Amber-A1	INTACT	21-DEC-15	CUSTODY	CUSTODY	Roobenso Romain	OPREP CUSTODY	OPREP CUSTODY	Roobenso Romain
L1533592-12J	Amber-A1	INTACT	21-DEC-15	TRANSFER - WESTBORO	TRANSFER - MANSFIELD	William McClendon	CUSTODY	CUSTODY	William McClendon
L1533592-12J	Amber-A1	INTACT	21-DEC-15		A2-CUSTODY-NOAA1	William McClendon	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	William McClendon
L1533592-12J	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-12J	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-12J	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-12K	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-12K	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-12K	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1533592-12L	Amber-A1	EMPTY	22-DEC-15	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Brian Anderson	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Brian Anderson
L1533592-12L	Amber-A1	INTACT	22-DEC-15	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Brian Anderson	A2-ORGANIC PREP	A2-ORGANIC PREP	Brian Anderson
L1533592-12L	Amber-A1	INTACT	21-DEC-15	CUSTODY	TRANSFER - MANSFIELD	Kim L. Bailey	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Kim L. Bailey
L1533592-12L	Amber-A1	INTACT	19-DEC-15	CUSTODY	CUSTODY	Sharon Hoffman	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Sharon Hoffman
L1533592-12L	Amber-A1	INTACT	19-DEC-15	LOGIN	LOGIN	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1533592-12X	SVial-A	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-12X	SVial-A	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-12X	SVial-A	INTACT	22-DEC-15	WETCHEM	CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-12X	SVial-A	INTACT	22-DEC-15	LOGIN	LOGIN	Roobenso Romain	CUSTODY	CUSTODY	Roobenso Romain
L1533592-12Y	SVial-A	INTACT	08-JAN-16		CUSTODY	Sam Bardsley	LOGIN #2 CUSTODY	LOGIN #2 CUSTODY	Sam Bardsley
L1533592-12Y	SVial-A	INTACT	08-JAN-16	WETCHEM	WETCHEM	Deb Whelan	CUSTODY	CUSTODY	Deb Whelan
L1533592-12Y	SVial-A	INTACT	22-DEC-15	WETCHEM	CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1533592-12Y	SVial-A	INTACT	22-DEC-15	LOGIN	LOGIN	Roobenso Romain	CUSTODY	CUSTODY	Roobenso Romain

Communications

Call Tracker Report

Call # 77020

Call #:	77020	Contact:	Matt Cavas/Cindy Fields
Call Date:	12/18/15 14:43	Company:	Anchor QEA
Status:	NEED	Acct #:	ANCHOR
Date:	12/18/15 14:43	Project #:	E50593-01.01
Operator:	LPORTA	Client Proj:	FORMER GLEN FALLS OU-2
Type:	Live	Login #:	L1533592

Call Details

TOC/DOC - not POC as on COC. Also, COC has typo on project number, used contract project number - EMP, 12/18/15

12/20/15:
Hi Matt,

By any chance did you field filter the DOC samples into the preserved vials? The bottle order we sent for this first round had all H2SO4 preserved vials for both DOC and TOC (the system defaulted to this). If not, I think we will have to cancel the DOC, or filter and preserve volume from the 1L ambers.

We also received sample EB20151217, that was not listed on the COC. Can you confirm this will be run for TOC and PAHs?

Thank you,
Liz Porta
Project Manager

Email: eporta@alphalab.com
Direct: 508-844-4124
Main: 508-844-4100

We did not field filter - I guess I assumed something fancy happened at the lab with that small bottle - sorry about that. I like the idea of using some of the I preserved volume just as long as we can meet MDL's for PAHs.

Yes our EB sample should be run for all analyses. I forgot to write on the COC.

Matt Cavas

12/21/15:
Hi Liz,
Could you please add the date to the sample IDs that don't have it? For example, SW-1A would become SW-1A-20151217.

Let me know if you have any questions or need anything from me!

Chain of Custody

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 12/19/15

ALPHA Job #: L1533592

Client Information
Client: AnchorQEA
Address: 430 Rte 50 Suite 202
Phone: 518-886-0649
Fax:
Email: mcav-s@anchorqea.com

Project Information
Project Name: ~~Former~~ Glens Falls Ou-2
Project Location: Glens Falls, NY
Project #: E50592-0.1001
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260	TCL	200.7	537	PAH
33592 - 01	SW-1A-	12/17/15	1120	W	KB	X	X	X	X	X
-02	SW-1B		1115	W	KB	X	X	X	X	X
-03	SW-1C		1050	W	KB	X	X	X	X	X
-04	SW-2A		1145	W	KB	X	X	X	X	X
-05	SW-2B		1155	W	KB	X	X	X	X	X
-06	SW-2C		1215	W	KB	X	X	X	X	X
-07	DUP-20151217		9999	W	KB	X	X	X	X	X
-08	SW-2B-MS/MSD		1155	W	KB	X	X	X	X	X
-09	Trip Blank		9999	W	KB			X		
-10	SW-3A		1410	W	KB	X	X	X	X	X

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

Sample Specific Comments

Container Type	A	P	V	A	A					
Preservative	D	A	B	A	A					

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	12/18/15		12/18/15 1830
	12/19/15 2222	R. FRENCH	12/18 2222
R. FRENCH	12/19/15 0055		12/19/15 00:55
	12/19/15 0500		12/19/15 0500
Kyle Bailey	12/21/15		
	12-21-15 1600		12-21-15 1620
			12/21/15 1600

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 12/19/15

ALPHA Job #: L1533592

Client Information

Client: AnchorQEA
Address: 4300 Rte 50, Suite 202
Phone: 518-886-0649
Fax:
Email: MGuis@anchorqea.com

Project Information

Project Name: FormerGlensFalls OU2
Project Location: Glens Falls, NY
Project #: E50592-0.001
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sample Specific Comments
33592-10	SW-3B	12/17/15	1420	W	ICB	
-11	SW-3C	↓	1425	W	ICB	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	P	V	A	A			
Preservative	D	A	B	A	A			

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Relinquished By:	Date/Time	Received By:	Date/Time
	12/18/15 1030		12/18/15 1030
	12/18/15 2222	R French	12/18 2222
R French	12/19/15 0055		12/19/15 0055
	12/19/15 0500		12/19/15 0500

Form No: 01-25 HC (rev. 30-Sept-2013)

12/21/15
12-21-15 16:40
12-27-15 15:20
12/21/15 1600

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 12/19/15

ALPHA Job #: L1533592

Client Information
Client: AnchorQEA
Address: 430 Rte 50 Suite 202
Phone: 518-886-0649
Fax:
Email: mcw-se@anchorqea.com

Project Information
Project Name: Former Glens Falls Ow-2
Project Location: Glens Falls, NY
Project #: E50592-0.001
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260 Target List	TCL	TAL	SVOC	PAH				Sample Specific Comments
33592 - 01	SW-1A-	12/17/15	1120	W	ICB	X	X	X	X	X				
-02	SW-1B		1115	W	ICB	X	X	X	X	X				
-03	SW-1C		1050	W	ICB	X	X	X	X	X				
-04	SW-2A		1145	W	ICB	X	X	X	X	X				
-05	SW-2B		1155	W	ICB	X	X	X	X	X				
-06	SW-2C		1215	W	ICB	X	X	X	X	X				
-07	DUP-20151217		9999	W	ICB	X	X	X	X	X				
-05	SW-2B-MS/MSD		1155	W	ICB	X	X	X	X	X				
-08	TripBlankC		9999	W	ICB			X						
-09	SW-3A		1410	W	KB	X	X	X	X	X				

Container Type	A	P	V	A	A				
Preservative	D	A	B	A	A				

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	12/18/15 0:30		12/18/15 1030
	12/19/15 2222	R. FRENCH	12/18 2222
R. FRENCH	12/19/15 00:55		12/19/15 00:55
	12/19/15 0500		12/19/15 0500

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

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Page 2 of 2

Date Rec'd in Lab: 12/19/15

ALPHA Job #: L1533592

Client Information
Client: AnchorQEA
Address: 4300 Rte 50 Suite 202
Phone: 518-886-0649
Fax:
Email: MGuis@anchorqea.com

Project Information
Project Name: FormerGlensFalls OU2
Project Location: Glens Falls, NY
Project # E50592-0.001
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC	TCL SVOC	TCL PEST	TCL PCB	TAL MET	DAI+				Total Bottle	Sample Specific Comments
33592-10	SW-3B	12/17/15	1420	W	ICB	X	X	X	X	X						
-11	SW-3C	↓	1425	W	ICB	X	X	X	X	X						

Container Type: A P V A A
Preservative: D A B A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	12/18/15 1030		12/18/15 1030
	12/18/15 2222	R. French	12/18 2222
R. French	12/19/15 0055		12/19/15 0055
	12/19/15 0500		12/19/15 0500

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

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Page 1 of 2

Date Rec'd in Lab: 12/19/15

ALPHA Job #: L1533592

Client Information

Client: Anchor QEA
Address: 430 Rte 50
Suite 202
Phone: 518-886-0649
Fax:
Email: mcw-s@anchorqea.com

Project Information

Project Name: Former Glens Falls Ow-2
Project Location: Glens Falls, NY
Project #: E50592-0.1001
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260 VOC	TSS	VOC	SVOC	PAH				Total Bottle	Sample Specific Comments
33592 - 01	SW-1A-	12/17/15	1120	W	ICB	X	X	X	X	X					
-02	SW-1B		1115	W	ICB	X	X	X	X	X					
-03	SW-1C		1050	W	ICB	X	X	X	X	X					
-04	SW-2A		1145	W	ICB	X	X	X	X	X					
-05	SW-2B		1155	W	ICB	X	X	X	X	X					
-06	SW-2C		1215	W	ICB	X	X	X	X	X					
-07	DUP-20151217		9999	W	ICB	X	X	X	X	X					
-05	SW-2B-MS/MSD		1155	W	ICB	X	X	X	X	X					
-08	TripBlank		9999	W	ICB			X							
-09	SW-3A		1410	W	KB	X	X	X	X	X					
	Container Type					A	P	V	A	A					
	Preservative					D	A	B	A	A					

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	12/18/15 18:30		12/18/15 18:30
	12/19/15 2222	R. FRENCH	12/18 2222
R. FRENCH	12/19/15 00:55		12/19/15 00:55

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 12/19/15

ALPHA Job #: L1533592

Client Information

Client: AnchorQEA
Address: 4300 Rte 50
Suite 202
Phone: 518-886-0649
Fax:
Email: MGuse@anchorqea.com

Project Information

Project Name: FormerGlensFalls OU-2
Project Location: Glens Falls, NY
Project #: E50592-0001
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260/624 VOC	TSS	VOC	SVOC	CAIT				Sample Specific Comments	Total Bottle
33592-10	SW-3B	12/17/15	1420	W	ICB	X	X	X	X	X					
-11	SW-3C	↓	1425	W	ICB	X	X	X	X	X					

Container Type: A P V A A
Preservative: D A B A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	12/18/15 1030		12/18/15 1030
	12/18/15 2222	R Freneal	12/18 2222
R Freneal	12/19/15 0055		12/19/15 0055

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Organics

GC/MS Extractable Analysis
Method 8270

Initial Calibration

Response Factor Report PAH16

Method Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Method File : SV1205PAH16.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Dec 17 15:56:23 2015
Response Via : Initial Calibration

Calibration Files
0.5 =F1612051502.D 1 =F1612051503.D 2 =F1612051504.D 5 =F1612051505.D 10 =F1612051506.D
15 =F1612051507.D 25 =F1612051508.D 50 =F1612051509.D 0.5a=F1612051510.D 1.0a=F1612051511.D
2.0a=F1612051512.D 5.0a=F1612051513.D 10a =F1612051514.D 15a =F1612051515.D 25a =F1612051516.D

		Compound	0.5	1	2	5	10	15	25	50	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d4	ISTD									
2)	T	N-Nitrosodimet...	0.875	0.854	0.882	0.772	0.894	0.822	0.838	0.799	0.842	5.06
3)	t	Pyridine	1.588	1.520	1.591	1.433	1.633	1.514	1.514	1.497	1.536	4.15
4)	S	2-Fluorophenol	1.454	1.366	1.419	1.304	1.444	1.359	1.446	1.410	1.400	3.76
5)	T	Benzaldehyde	1.098	1.077	1.114	1.160	1.262	1.206			1.153	6.14
6)	T	Aniline	2.357	2.256	2.328	2.059	1.941	2.324	2.048	1.782	2.137	9.89
7)	T	bis(2-Chloroet...	1.212	1.189	1.214	1.072	1.241	1.285	1.151	1.085	1.181	6.29
8)	S	Phenol-d5	1.854	1.810	1.873	1.741	1.958	2.067	1.936	1.865	1.888	5.25
9)	MC	Phenol	1.908	1.795	1.912	1.762	2.017	2.166	2.036	2.017	1.952	6.85#
10)	M	2-Chlorophenol	1.601	1.500	1.545	1.436	1.572	1.656	1.547	1.502	1.545	4.37
11)	T	1,3-Dichlorobe...	1.738	1.613	1.635	1.552	1.680	1.799	1.675	1.604	1.662	4.74
12)	MC	1,4-Dichlorobe...	1.751	1.636	1.657	1.572	1.700	1.793	1.678	1.602	1.674	4.42#
13)	T	1,2-Dichlorobe...	1.661	1.543	1.568	1.480	1.592	1.696	1.567	1.474	1.572	4.96
14)	T	Benzyl alcohol	0.890	0.895	0.984	0.939	1.026	1.091	1.019	0.986	0.979	7.00
15)	T	bis(2-chlorois...	2.525	2.493	2.535	2.051	2.459	2.455	2.100	1.618	2.280	14.42
16)	T	2-Methylphenol	1.409	1.361	1.359	1.265	1.376	1.456	1.355	1.281	1.358	4.60
17)	T	Acetophenone	1.662	1.565	1.705	1.785	1.955	1.875	1.797		1.763	7.46
18)	T	Hexachloroethane	0.739	0.693	0.702	0.627	0.726	0.760	0.706	0.664	0.702	6.00
19)	MP	N-Nitroso-di-n...	1.195	1.188	1.205	1.061	1.232	1.262	1.140	1.095	1.172	5.86
20)	T	4-Methylphenol	1.554	1.417	1.476	1.362	1.525	1.579	1.467	1.431	1.476	4.96
21)	I	Naphthalene-d8	ISTD									
22)	S	Nitrobenzene-d5	0.425	0.421	0.423	0.387	0.445	0.459	0.430	0.385	0.422	6.08
23)	T	Nitrobenzene	0.452	0.441	0.439	0.403	0.466	0.475	0.443	0.398	0.440	6.23
24)	T	Isophorone	0.650	0.638	0.658	0.607	0.692	0.706	0.676	0.592	0.652	6.05
25)	TC	2-Nitrophenol	0.203	0.193	0.200	0.192	0.216	0.223	0.212	0.195	0.204	5.72#
26)	T	2,4-Dimethylph...	0.332	0.323	0.325	0.290	0.321	0.328	0.303	0.283	0.313	5.97
27)	T	Benzoic acid	0.104	0.126	0.182	0.212	0.269	0.284	0.285	0.298	*Q	0.9997
28)	T	bis(2-Chloroet...	0.440	0.436	0.435	0.410	0.465	0.470	0.440	0.409	0.438	5.08
29)	TC	2,4-Dichloroph...	0.278	0.270	0.279	0.269	0.299	0.309	0.296	0.283	0.285	5.07#

Response Factor Report PAH16

Method Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Method File : SV1205PAH16.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Dec 17 15:56:23 2015
Response Via : Initial Calibration

Calibration Files
0.5 =F1612051502.D 1 =F1612051503.D 2 =F1612051504.D 5 =F1612051505.D 10 =F1612051506.D
15 =F1612051507.D 25 =F1612051508.D 50 =F1612051509.D 0.5a=F1612051510.D 1.0a=F1612051511.D
2.0a=F1612051512.D 5.0a=F1612051513.D 10a =F1612051514.D 15a =F1612051515.D 25a =F1612051516.D

		Compound	0.5	1	2	5	10	15	25	50	Avg	%RSD
30)	M	1,2,4-Trichlor...	0.319	0.298	0.295	0.285	0.312	0.326	0.308	0.292	0.304	4.63
31)	T	Naphthalene	1.188	1.113	1.117	1.069	1.165	1.203	1.122	0.984	1.120	6.28
32)	T	2-Chloroaniline	0.597	0.572	0.575	0.541	0.605	0.625	0.588	0.534	0.580	5.35
33)	T	4-Chloroaniline	0.475	0.458	0.457	0.441	0.459	0.481	0.451	0.409	0.454	4.84
34)	TC	Hexachlorobuta...	0.165	0.148	0.145	0.147	0.156	0.161	0.154	0.147	0.153	4.93#
35)	T	Caprolactam	0.086	0.093	0.096	0.105	0.118	0.112	0.108		0.102	11.06
36)	MC	4-Chloro-3-met...	0.325	0.316	0.321	0.311	0.354	0.364	0.351	0.320	0.333	6.14#
37)	T	2-Methylnaphth...	0.763	0.708	0.712	0.692	0.762	0.784	0.737	0.658	0.727	5.79
38)	I	Acenaphthene-d10	----------ISTD----------									
39)	T	1,2,4,5-Tetrac...	0.543	0.523	0.506	0.553	0.537	0.616	0.549	0.540	0.546	5.88
40)	TP	Hexachlorocycl...	0.089	0.120	0.155	0.223	0.252	0.308	0.292		*Q	0.9935
41)	TC	2,4,6-Trichlor...	0.357	0.337	0.339	0.364	0.386	0.448	0.395	0.435	0.383	10.84#
42)	T	2,4,5-Trichlor...	0.391	0.368	0.374	0.395	0.400	0.453	0.408	0.387	0.397	6.58
43)	S	2-Fluorobiphenyl	1.412	1.385	1.339	1.388	1.427	1.610	1.405	1.370	1.417	5.83
44)	T	Biphenyl	1.654	1.593	1.411	1.570	1.706	1.628	1.533		1.585	6.01
45)	T	2-Chloronaphth...	1.265	1.223	1.207	1.291	1.270	1.455	1.274	1.239	1.278	6.01
46)	T	2-Nitroaniline	0.416	0.475	0.476	0.469	0.512	0.580	0.504	0.472	0.488	9.63
47)	T	Acenaphthylene	2.230	2.129	2.102	2.240	2.237	2.340	2.209	2.126	2.202	3.60
48)	T	Dimethylphthalate	1.377	1.333	1.298	1.361	1.390	1.477	1.422	1.457	1.390	4.37
49)	T	2,6-Dinitrotol...	0.301	0.294	0.304	0.330	0.336	0.352	0.342	0.342	0.325	6.84
50)	MC	Acenaphthene	1.429	1.352	1.327	1.369	1.411	1.454	1.388	1.349	1.385	3.15#
51)	T	3-Nitroaniline	0.329	0.350	0.357	0.386	0.393	0.405	0.402	0.412	0.379	7.91
52)	TP	2,4-Dinitrophenol	0.033	0.070	0.120	0.186	0.226	0.250	0.265	0.305	*Q	0.9999
53)	T	Dibenzofuran	1.818	1.725	1.675	1.821	1.786	1.850	1.750	1.712	1.767	3.47
54)		2,3,4,6-Tetrac...	0.215	0.219	0.237	0.256	0.268	0.296	0.287	0.310	0.261	13.63
55)	M	2,4-Dinitrotol...	0.402	0.405	0.415	0.463	0.466	0.495	0.475	0.476	0.450	8.10
56)	MP	4-Nitrophenol	0.136	0.183	0.193	0.205	0.232	0.268	0.240	0.227	0.210	19.25
57)	T	Fluorene	1.445	1.416	1.393	1.461	1.521	1.578	1.453	1.371	1.455	4.65
58)	T	4-Chlorophenyl...	0.627	0.608	0.590	0.623	0.644	0.686	0.633	0.610	0.628	4.61
59)	T	Diethylphthalate	1.430	1.436	1.410	1.462	1.529	1.607	1.544	1.544	1.495	4.70

Response Factor Report PAH16

Method Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Method File : SV1205PAH16.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Dec 17 15:56:23 2015
Response Via : Initial Calibration

Calibration Files
0.5 =F1612051502.D 1 =F1612051503.D 2 =F1612051504.D 5 =F1612051505.D 10 =F1612051506.D
15 =F1612051507.D 25 =F1612051508.D 50 =F1612051509.D 0.5a=F1612051510.D 1.0a=F1612051511.D
2.0a=F1612051512.D 5.0a=F1612051513.D 10a =F1612051514.D 15a =F1612051515.D 25a =F1612051516.D

		Compound	0.5	1	2	5	10	15	25	50	Avg	%RSD
60)	T	4-Nitroaniline	0.328	0.352	0.344	0.374	0.374	0.375	0.374	0.410	0.366	6.79
61)	I	Phenanthrene-d10	ISTD									
62)	T	4,6-Dinitro-2-...	0.057	0.080	0.104	0.134	0.138	0.151	0.152	0.163	*Q	0.9999
63)	T	Azobenzene	0.206	0.202	0.206	0.232	0.216	0.225	0.230	0.228	0.218	5.62
64)	TC	n-Nitrosodiphe...	0.527	0.524	0.520	0.574	0.545	0.568	0.567	0.573	0.550	4.28#
65)	S	2,4,6-Tribromo...	0.061	0.058	0.060	0.074	0.064	0.072	0.068	0.074	0.066	9.65
66)	T	4-Bromophenyl-...	0.160	0.158	0.154	0.179	0.164	0.178	0.169	0.178	0.168	5.91
67)	T	Hexachlorobenzene	0.169	0.158	0.153	0.181	0.157	0.175	0.167	0.173	0.167	5.91
68)	T	Atrazine	0.165	0.164	0.180	0.183	0.206	0.198	0.204		0.186	9.35
69)	MC	Pentachlorophenol	0.048	0.056	0.076	0.102	0.117	0.132	0.133	0.150	*Q	0.9997
70)	T	Pentachloronit...	0.066	0.070	0.074	0.082	0.084	0.098	0.093	0.093	0.082	14.23
71)	T	Phenanthrene	1.085	1.054	1.042	1.080	1.090	1.149	1.090	1.145	1.092	3.49
72)	T	Anthracene	1.007	1.036	1.046	1.085	1.077	1.121	1.059	1.075	1.063	3.25
73)	T	Carbazole	0.957	0.996	1.018	1.058	1.047	1.107	1.014	1.083	1.035	4.68
74)	T	Di-n-butylphth...	1.150	1.176	1.225	1.316	1.316	1.347	1.313	1.377	1.277	6.51
75)	TC	Fluoranthene	0.973	1.030	1.036	1.078	1.078	1.132	1.135	1.113	1.072	5.24#
76)	I	Chrysene-d12	ISTD									
77)	T	Benzidine	0.579	0.640	0.764	0.874	0.992	0.984	0.960		*L	0.9991
78)	M	Pyrene	1.132	1.213	1.224	1.267	1.292	1.314	1.180	1.406	1.254	6.82
79)	S	Terphenyl-d14	0.665	0.713	0.729	0.743	0.761	0.779	0.713	0.851	0.744	7.40
80)	T	Butylbenzylpht...	0.560	0.597	0.629	0.680	0.705	0.720	0.628	0.798	0.665	11.47
81)	T	3,3'-Dichlorob...	0.336	0.315	0.367	0.373	0.418	0.406			0.369	10.64
82)	T	Benz[a]anthracene	1.063	1.049	1.045	1.107	1.112	1.166	1.100	1.272	1.114	6.74
83)	T	Chrysene	1.052	1.042	1.031	1.067	1.063	1.118	1.022	1.100	1.062	3.12
84)	T	bis(2-Ethylhex...	0.694	0.777	0.818	0.904	0.918	0.929	0.829	1.028	0.862	12.05
85)	I	Perylene-d12	ISTD									
86)	TC	Di-n-octylphth...	1.354	1.552	1.669	1.658	1.969	1.965	1.742	2.234	1.768	15.67#
87)	T	Benzo[b]fluora...	1.029	1.047	1.077	1.112	1.171	1.224	1.174	1.418	1.157	10.83

Response Factor Report PAH16

Method Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Method File : SV1205PAH16.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Dec 17 15:56:23 2015
Response Via : Initial Calibration

Calibration Files
0.5 =F1612051502.D 1 =F1612051503.D 2 =F1612051504.D 5 =F1612051505.D 10 =F1612051506.D
15 =F1612051507.D 25 =F1612051508.D 50 =F1612051509.D 0.5a=F1612051510.D 1.0a=F1612051511.D
2.0a=F1612051512.D 5.0a=F1612051513.D 10a =F1612051514.D 15a =F1612051515.D 25a =F1612051516.D

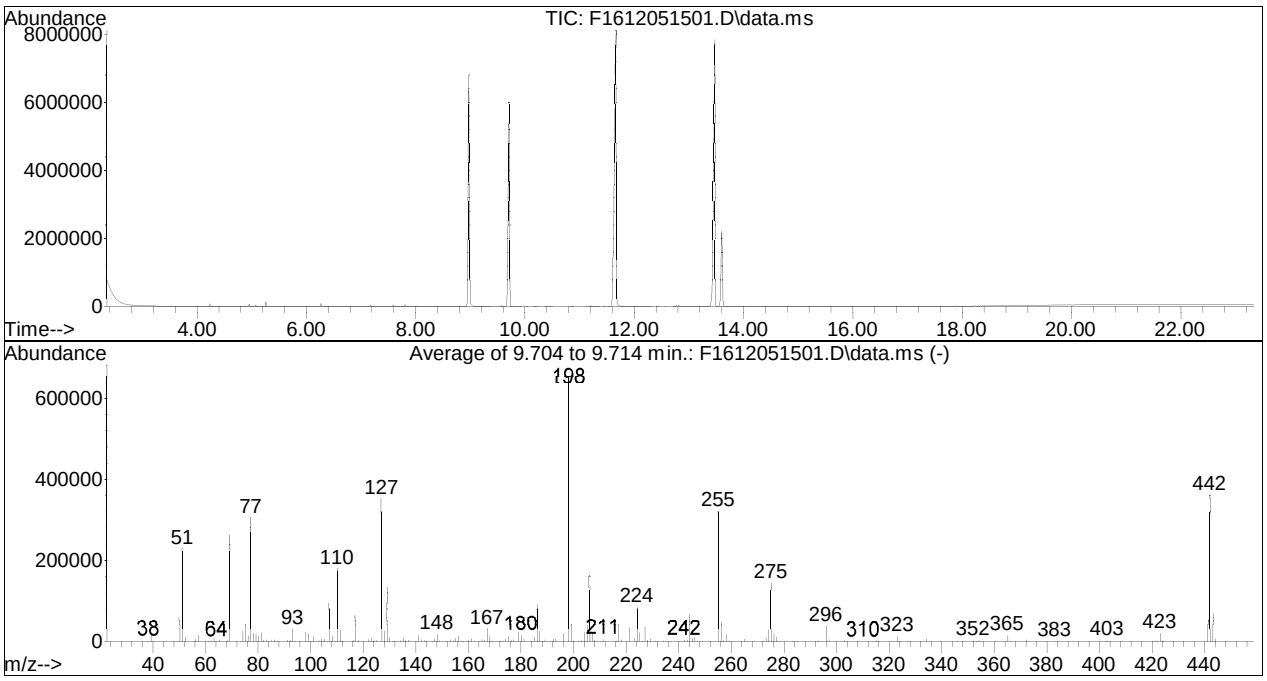
	Compound	0.5	1	2	5	10	15	25	50	Avg	%RSD
88) T	Benzo[k]fluora...	1.070	1.055	1.068	1.093	1.140	1.168	1.071	1.175	1.105	4.38
89) TC	Benzo[a]pyrene	0.997	1.015	1.046	1.071	1.105	1.150	1.055	1.262	1.088	7.86#
90) T	Indeno[1,2,3-c...	0.728	0.828	0.853	0.898	0.943	1.035	0.977	1.209	0.934	15.65
91) T	Dibenz[a,h]ant...	0.725	0.812	0.855	0.906	0.928	1.012	0.970	1.165	0.922	14.50
92) T	Benzo[g,h,i]pe...	0.788	0.899	0.942	0.959	0.983	1.040	1.021	1.092	0.966	9.70

(#) = Out of Range

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051501.D
Acq On : 5 Dec 2015 9:23 am
Operator : PAH16:JT
Sample : T1612051501
Misc : WG851800,MSAG24
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Dec 17 15:56:23 2015



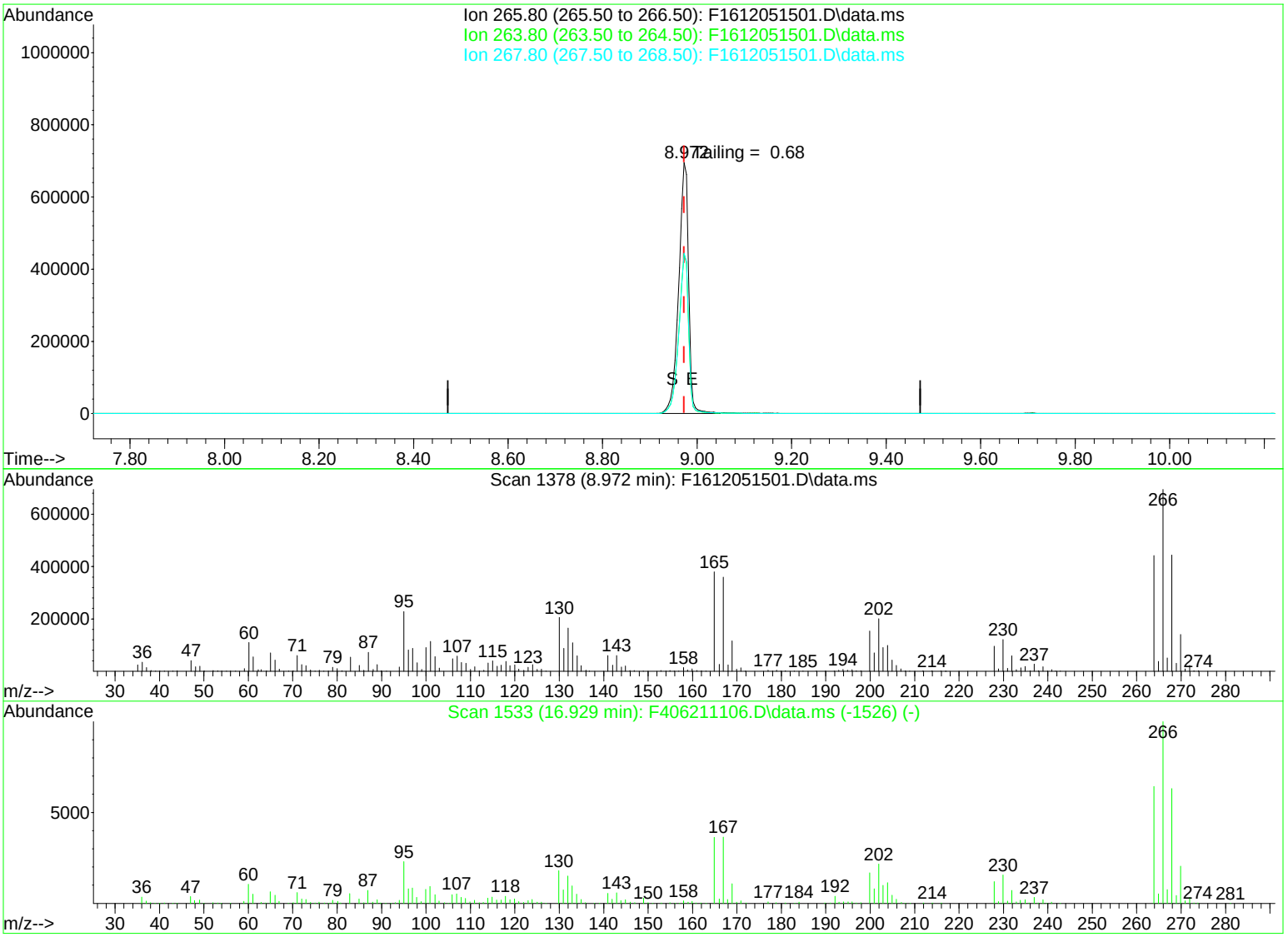
Spectrum Information: Average of 9.704 to 9.714 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.0	228122	PASS
68	69	0.00	2	1.7	4403	PASS
70	69	0.00	2	0.5	1368	PASS
127	198	10	80	54.2	353088	PASS
197	198	0.00	2	0.2	1009	PASS
198	198	100	100	100.0	651349	PASS
199	198	5	9	6.6	42667	PASS
275	198	10	60	22.2	144448	PASS
365	198	1	100	2.4	15366	PASS
441	442	0.01	24	14.7	53123	PASS
442	198	50	100	55.7	362539	PASS
443	442	15	24	19.0	68875	PASS

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051501.D
Acq On : 5 Dec 2015 9:23 am
Operator : PAH16:JT
Sample : T1612051501
Misc : WG847321,MSAG24
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 07 16:42:13 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\DFTPPPAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 07 14:10:06 2015
Response via : Initial Calibration



CHROMtools™ [T1612051501]

(1) Pentachlorophenol (MC)

8.972min (0.000) 19.23 ug/mL

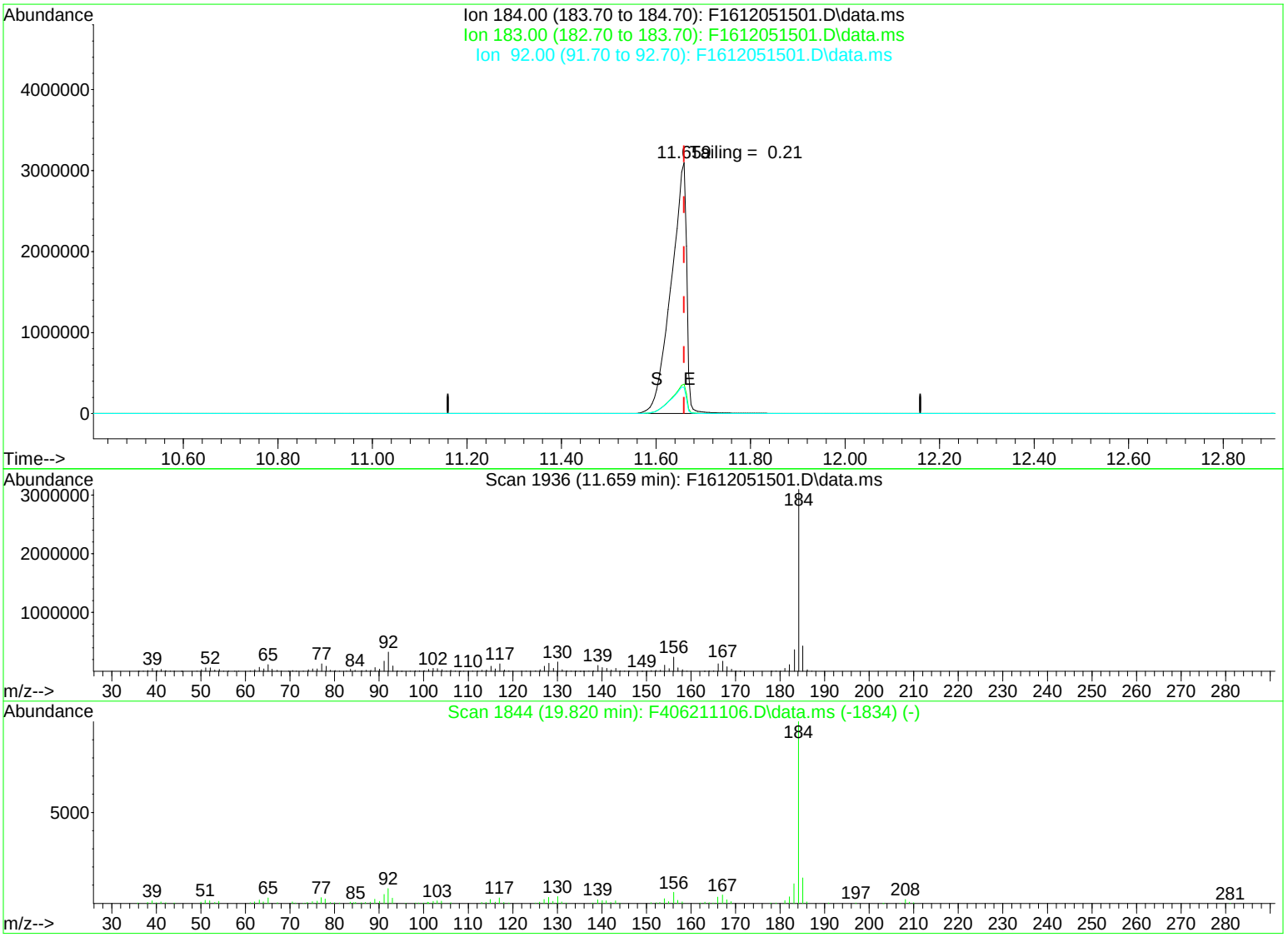
response 1006764

Ion	Exp%	Act%
265.80	100	100
263.80	63.60	63.01
267.80	63.90	63.48
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051501.D
Acq On : 5 Dec 2015 9:23 am
Operator : PAH16:JT
Sample : T1612051501
Misc : WG847321,MSAG24
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 07 16:42:13 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\DFTPPPAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 07 14:10:06 2015
Response via : Initial Calibration



CHROMtools™ [T1612051501]

(3) Benzidine (T)

11.659min (0.000) 86.41 ug/mL

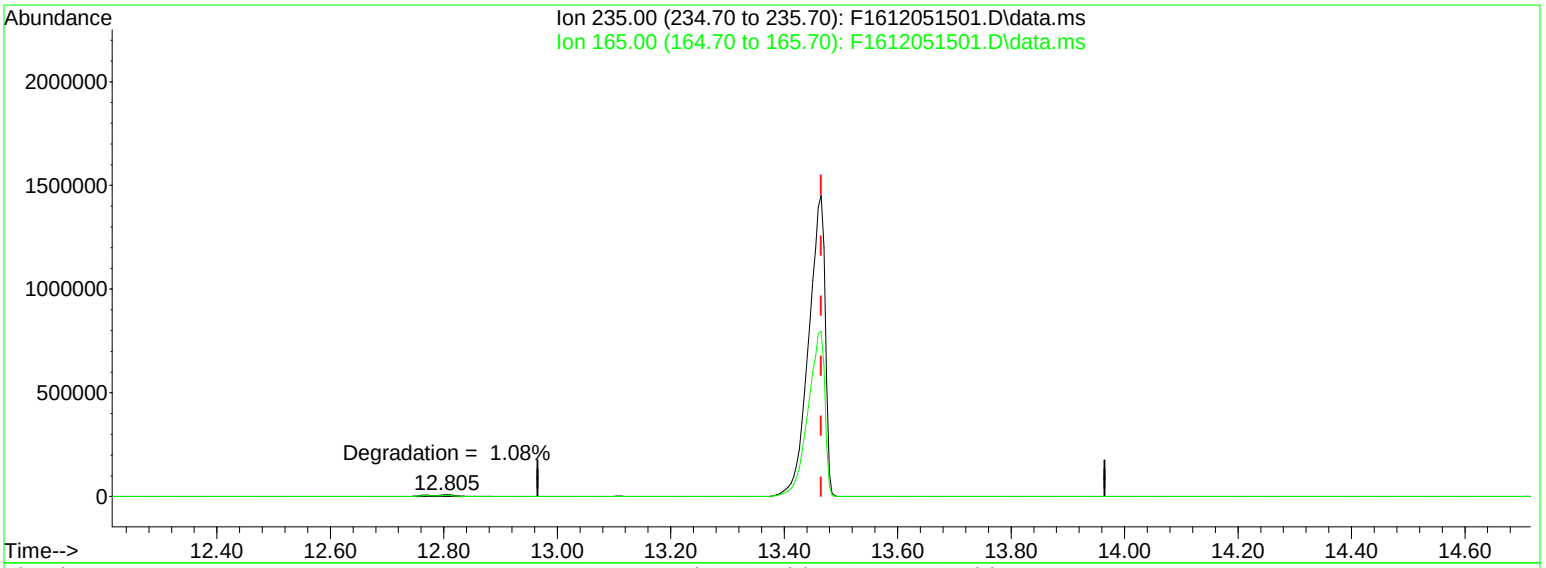
response 7030402 ~4 x >CAL (25)

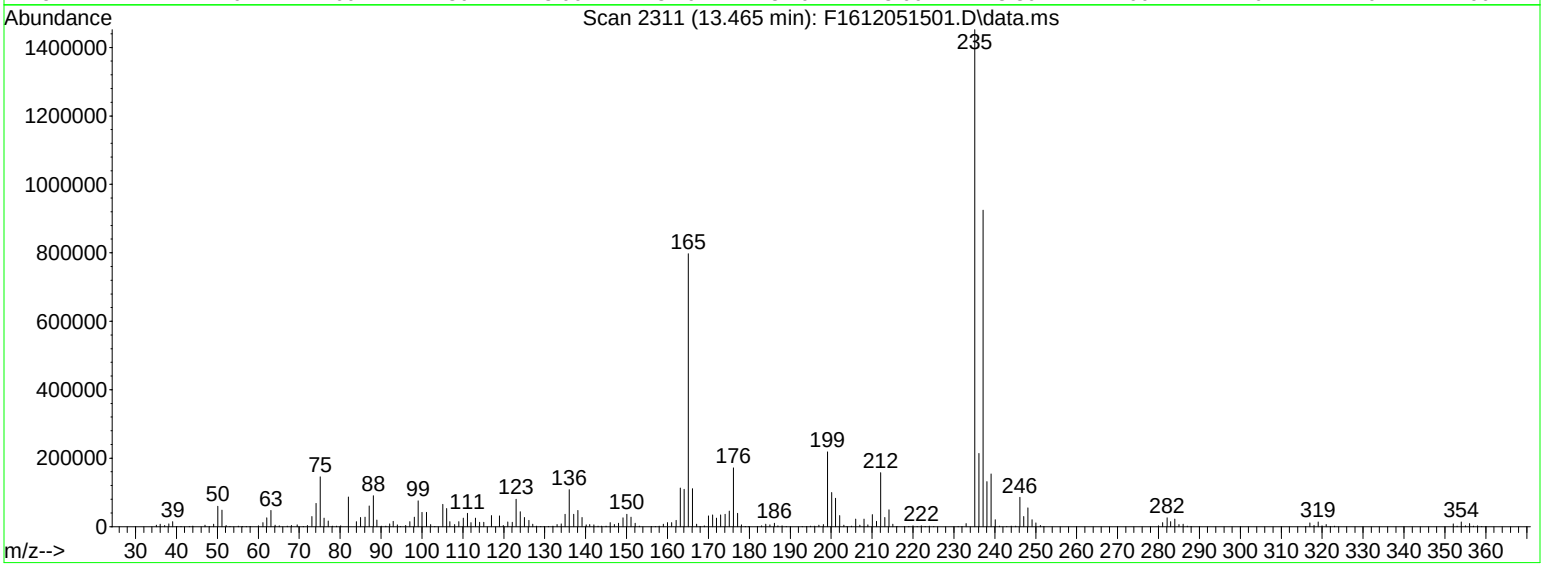
Ion	Exp%	Act%
184.00	100	100
183.00	11.80	11.59
92.00	10.50	10.65
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051501.D
Acq On : 5 Dec 2015 9:23 am
Operator : PAH16:JT
Sample : T1612051501
Misc : WG847321,MSAG24
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 07 16:42:13 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\DFTPPPAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 07 14:10:06 2015
Response via : Initial Calibration





CHROMtools™ [T1612051501]

(4) DDT ( )

13.465min (0.000) 0.00

response 2909470

Ion	Exp%	Act%
235.00	100	100
165.00	54.90	55.83
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051502.D
Acq On : 5 Dec 2015 9:52 am
Operator : PAH16:JT
Sample : I1612051501
Misc : WG851800,MSAG52
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 17 15:50:24 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:50:27 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.590	152	212208	5.000	ug/mL	0.00
21) Naphthalene-d8	5.756	136	863758	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.456	164	452645	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.218	188	871996	5.000	ug/mL	0.00
76) Chrysene-d12	14.433	240	768681	5.000	ug/mL	0.00
85) Perylene-d12	17.558	264	693474	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.541	112	30846	0.519	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 2.60%#			
8) Phenol-d5	4.268	99	39350	0.491	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 2.46%#			
22) Nitrobenzene-d5	5.086	82	36710	0.504	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 2.52%#			
43) 2-Fluorobiphenyl	6.796	172	63928	0.498	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 2.49%#			
65) 2,4,6-Tribromophenol	8.313	330	5284	0.457	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 2.29%#			
79) Terphenyl-d14	12.126	244	51155	0.447	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 2.24%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.602	74	18569	0.520	ug/mL#	84
3) Pyridine	2.631	79	33694M4	0.517	ug/mL	
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.306	93	50021	0.552	ug/ml#	1
7) bis(2-Chloroethyl)ether	4.354	63	25709	0.513	ug/mL	90
9) Phenol	4.282	94	40490	0.489	ug/mL	92
10) 2-Chlorophenol	4.407	128	33975	0.518	ug/mL	92
11) 1,3-Dichlorobenzene	4.537	146	36886	0.523	ug/mL	99
12) 1,4-Dichlorobenzene	4.605	146	37155M3	0.523	ug/mL	
13) 1,2-Dichlorobenzene	4.735	146	35240	0.528	ug/mL	99
14) Benzyl alcohol	4.706	108	18896	0.455	ug/mL	92
15) bis(2-chloroisopropyl)eth	4.822	45	53586	0.554	ug/mL#	47
16) 2-Methylphenol	4.807	108	29908M4	0.519	ug/mL	
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	5.038	117	15681	0.526	ug/mL	86
19) N-Nitroso-di-n-propylamin	4.937	70	25363	0.510	ug/mL#	85
20) 4-Methylphenol	4.947	108	32971	0.526	ug/mL	100
23) Nitrobenzene	5.101	77	39035M4	0.514	ug/mL	

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051502.D
Acq On : 5 Dec 2015 9:52 am
Operator : PAH16:JT
Sample : I1612051501
Misc : WG851800,MSAG52
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 17 15:50:24 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:50:27 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.318	82	56150	0.498	ug/mL	97
25) 2-Nitrophenol	5.395	139	17571	0.498	ug/mL	92
26) 2,4-Dimethylphenol	5.433	107	28705	0.531	ug/mL	97
27) Benzoic acid	5.486	105	8945M4	0.844	ug/mL	
28) bis(2-Chloroethoxy)methan	5.520	93	37978	0.502	ug/mL	98
29) 2,4-Dichlorophenol	5.626	162	24046	0.488	ug/mL	96
30) 1,2,4-Trichlorobenzene	5.698	180	27524	0.524	ug/mL	96
31) Naphthalene	5.775	128	102633	0.530	ug/mL	99
32) 2-Chloroaniline	5.361	127	51551	0.515	ug/ml	98
33) 4-Chloroaniline	5.828	127	41039	0.523	ug/mL#	1
34) Hexachlorobutadiene	5.886	225	14291	0.541	ug/mL	98
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	6.300	107	28036	0.488	ug/mL	99
37) 2-Methylnaphthalene	6.439	142	65888	0.525	ug/mL	100
39) 1,2,4,5-Tetrachlorobenzen	6.598	216	24587	0.497	ug/mL	99
40) Hexachlorocyclopentadiene	6.584	237	4031	0.630	ug/mL	98
41) 2,4,6-Trichlorophenol	6.714	196	16167	0.467	ug/mL	98
42) 2,4,5-Trichlorophenol	6.752	196	17721	0.493	ug/mL	86
44) Biphenyl	0.000		0	N.D.		
45) 2-Chloronaphthalene	6.911	162	57266	0.495	ug/mL	97
46) 2-Nitroaniline	7.017	65	18832	0.426	ug/mL	87
47) Acenaphthylene	7.316	152	100934	0.506	ug/mL	99
48) Dimethylphthalate	7.191	163	62336	0.496	ug/mL	99
49) 2,6-Dinitrotoluene	7.253	165	13617	0.463	ug/mL	94
50) Acenaphthene	7.484	153	64682	0.516	ug/mL	99
51) 3-Nitroaniline	7.422	138	14910	0.434	ug/mL	86
52) 2,4-Dinitrophenol	7.533	184	1480	0.878	ug/mL#	83
53) Dibenzofuran	7.663	168	82289	0.514	ug/mL	96
54) 2,3,4,6-Tetrachlorophenol	7.797	232	9732	0.412		99
55) 2,4-Dinitrotoluene	7.658	165	18183	0.447	ug/mL#	47
56) 4-Nitrophenol	7.610	109	6160	0.323	ug/mL#	84
57) Fluorene	8.029	166	65401	0.497	ug/mL	98
58) 4-Chlorophenyl-phenylethe	8.033	204	28397	0.500	ug/mL	98
59) Diethylphthalate	7.908	149	64707	0.478	ug/mL	97
60) 4-Nitroaniline	8.057	138	14868	0.448	ug/mL	92
62) 4,6-Dinitro-2-methylpheno	8.096	198	4969	0.658	ug/mL#	100
63) Azobenzene	8.212	182	17984	0.473	ug/mL	75
64) n-Nitrosodiphenylamine	8.168	169	45930	0.479	ug/mL	100
66) 4-Bromophenyl-phenylether	8.616	248	13970	0.478	ug/mL	95
67) Hexachlorobenzene	8.683	284	14726	0.506	ug/mL	96
68) Atrazine	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051502.D
Acq On : 5 Dec 2015 9:52 am
Operator : PAH16:JT
Sample : I1612051501
Misc : WG851800,MSAG52
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 17 15:50:24 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:50:27 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	8.963	266	4190	0.800	ug/mL	99
70) Pentachloronitrobenzene	8.968	237	5755	0.400	ug/ml	100
71) Phenanthrene	9.252	178	94615	0.497	ug/mL	99
72) Anthracene	9.329	178	87775	0.473	ug/mL	100
73) Carbazole	9.584	167	83485	0.463	ug/mL	99
74) Di-n-butylphthalate	10.200	149	100270	0.450	ug/mL	99
75) Fluoranthene	11.274	202	84850	0.454	ug/mL#	94
77) Benzidine	0.000		0	N.D.	d	
78) Pyrene	11.717	202	87016	0.452	ug/mL#	93
80) Butylbenzylphthalate	13.306	149	43076	0.422	ug/mL	93
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	14.409	228	81710	0.477	ug/mL	99
83) Chrysene	14.486	228	80856M4	0.495	ug/mL	
84) bis(2-Ethylhexyl)phthalat	14.775	149	53315	0.402	ug/mL#	93
86) Di-n-octylphthalate	16.306	149	93907	0.383	ug/mL	99
87) Benzo[b]fluoranthene	16.812	252	71335M3	0.445	ug/mL	
88) Benzo[k]fluoranthene	16.865	252	74229	0.484	ug/mL#	96
89) Benzo[a]pyrene	17.438	252	69149	0.458	ug/mL#	95
90) Indeno[1,2,3-cd]pyrene	19.369	276	50469	0.390	ug/mL	94
91) Dibenz[a,h]anthracene	19.422	278	50306M4	0.394	ug/mL	
92) Benzo[g,h,i]perylene	19.778	276	54669	0.408	ug/mL#	87

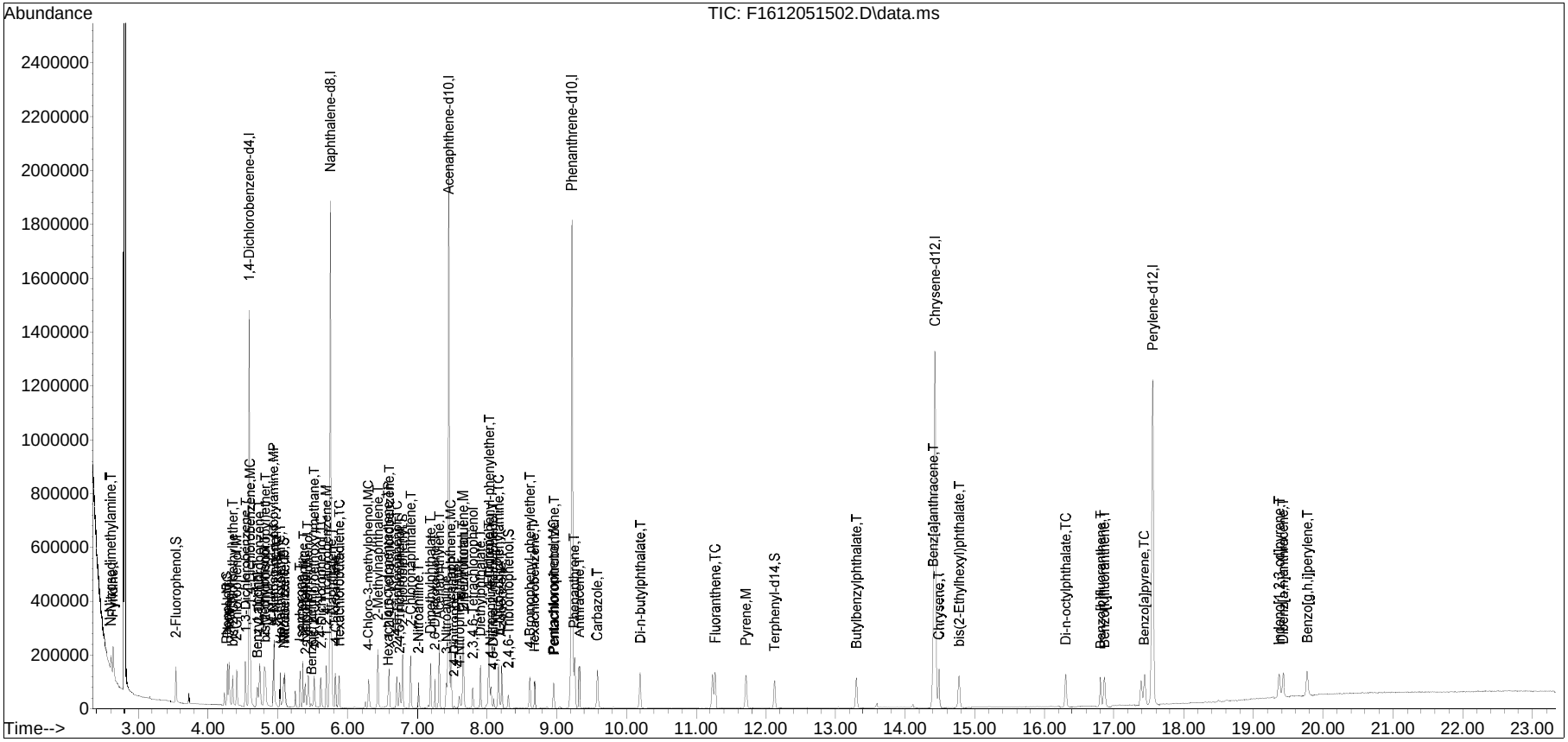
(#) = qualifier out of range (m) = manual integration (+) = signals summed

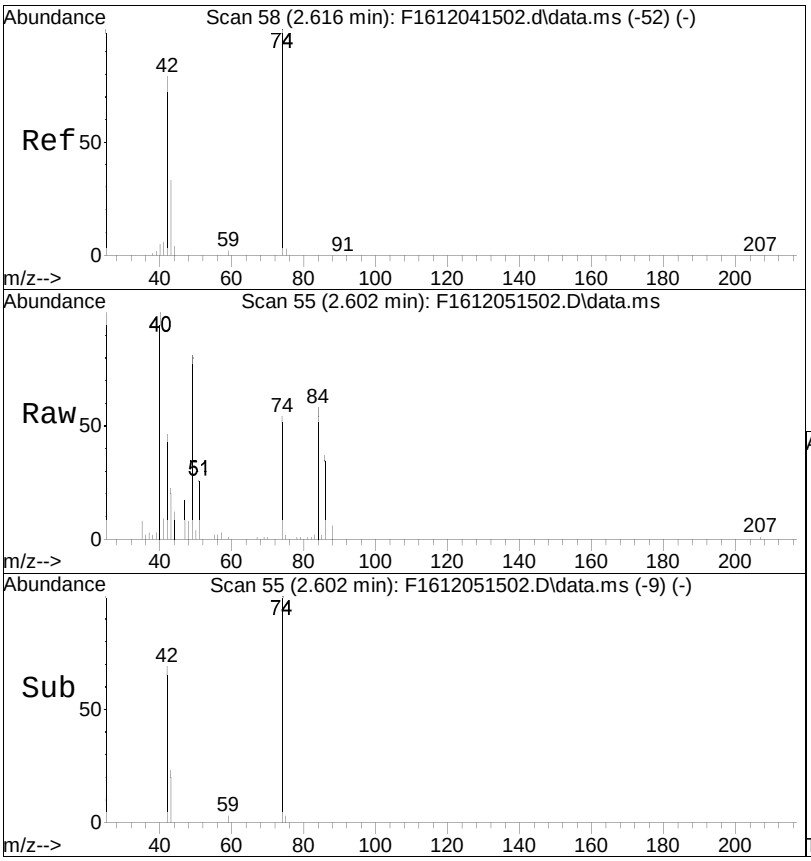
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051502.D
Acq On : 5 Dec 2015 9:52 am
Operator : PAH16:JT
Sample : I1612051501
Misc : WG851800,MSAG52
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 17 15:50:24 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:50:27 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

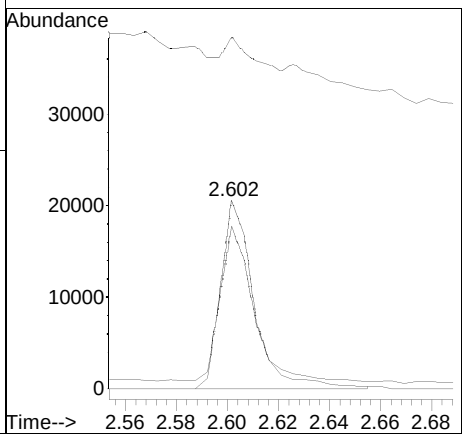


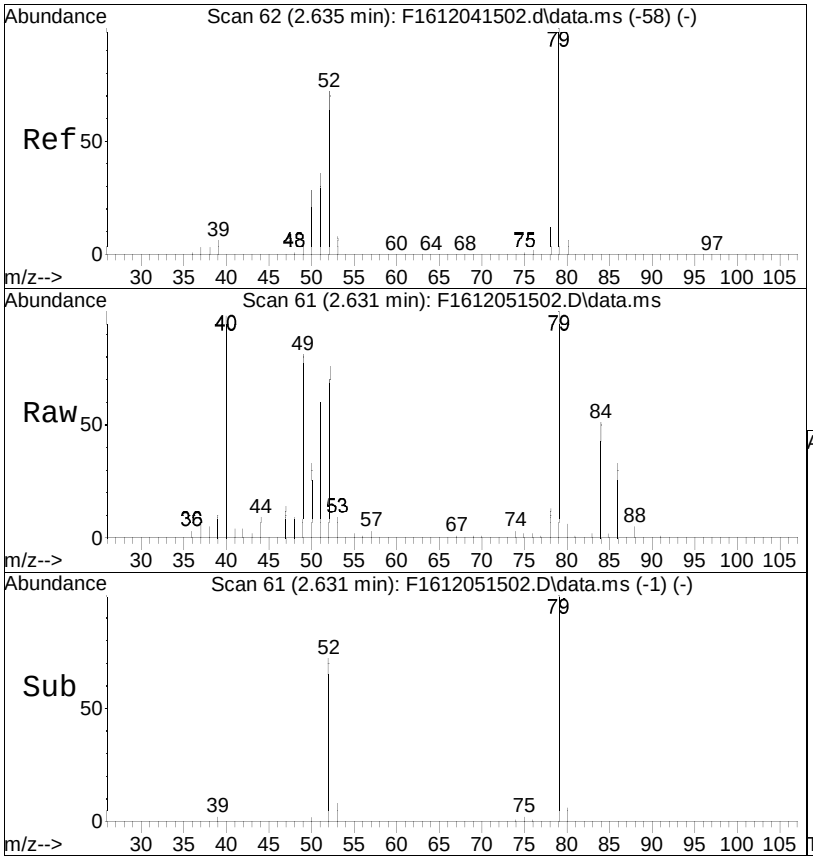


#2
N-Nitrosodimethylamine
Concen: 0.52 ug/mL
RT: 2.602 min Scan# 55
Delta R.T. -0.014 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion: 74 Resp: 18569

Ion	Ratio	Lower	Upper
74	100		
42	82.0	55.2	82.8
40	11.7	4.4	6.6#

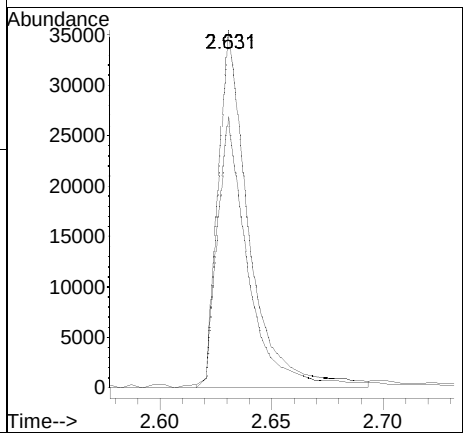


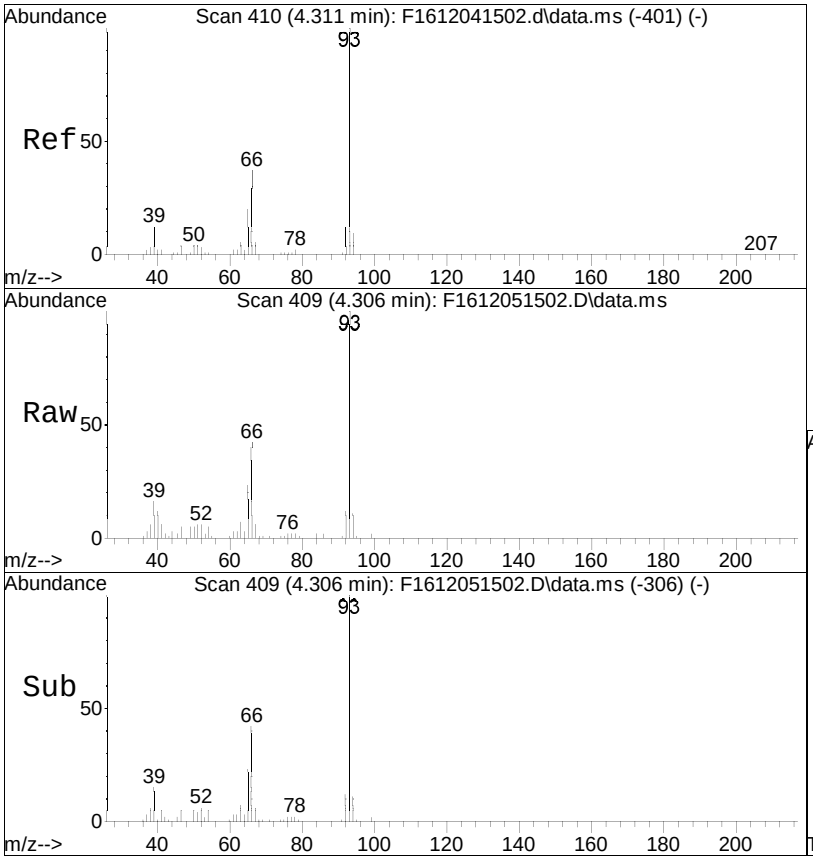


#3
Pyridine
Concen: 0.52 ug/mL M4
RT: 2.631 min Scan# 61
Delta R.T. -0.004 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion: 79 Resp: 33694

Ion	Ratio	Lower	Upper
79	100		
52	75.8	49.5	74.3#

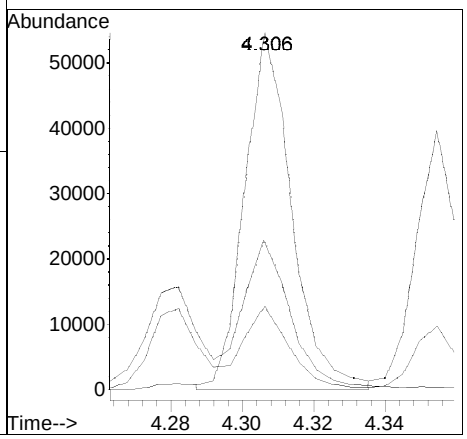


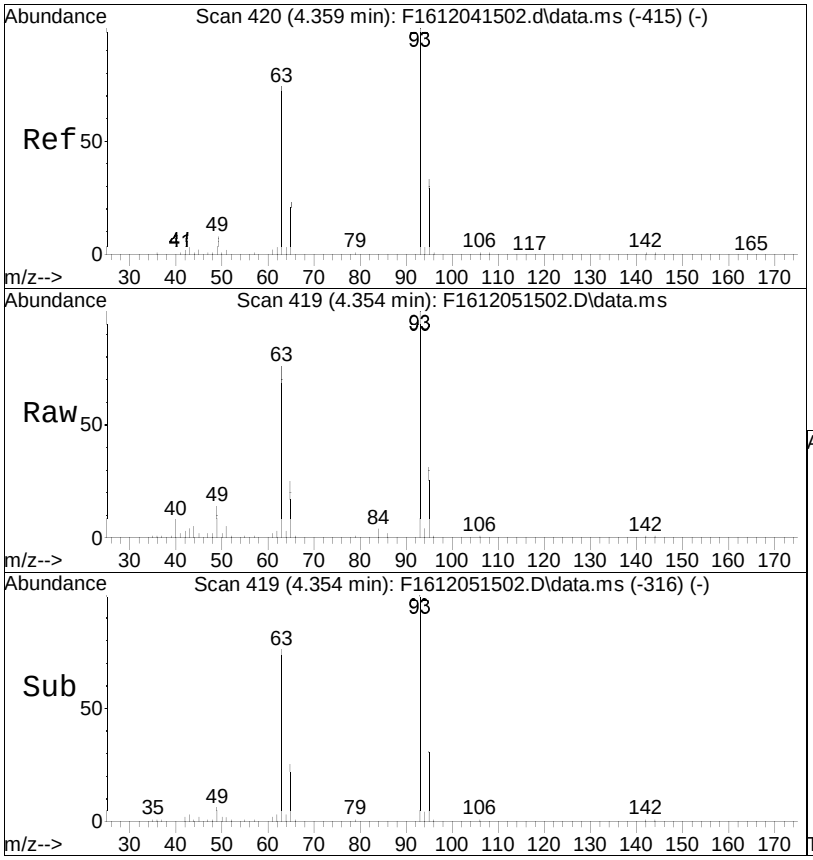


#6
Aniline
Concen: 0.55 ug/ml
RT: 4.306 min Scan# 409
Delta R.T. -0.005 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion: 93 Resp: 50021

Ion	Ratio	Lower	Upper
93	100		
66	43.5	220.7	331.1#
65	23.9	23.4	35.2

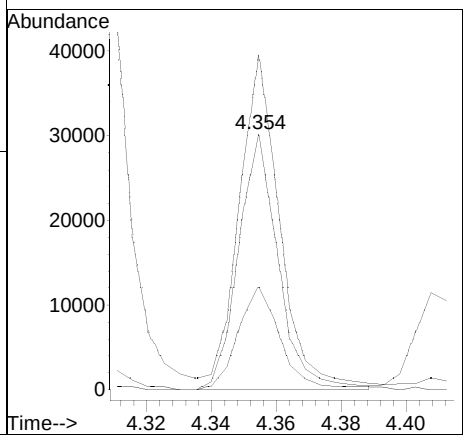


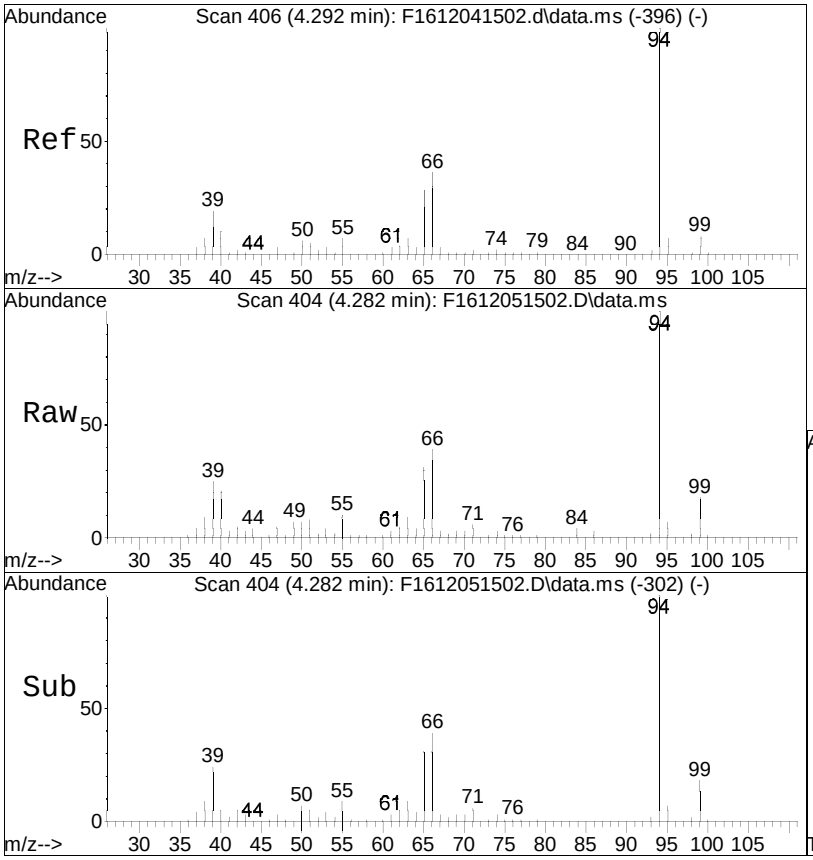


#7
bis(2-Chloroethyl)ether
Concen: 0.51 ug/mL
RT: 4.354 min Scan# 419
Delta R.T. -0.005 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion: 63 Resp: 25709

Ion	Ratio	Lower	Upper
63	100		
93	135.4	118.5	177.7
95	42.9	38.8	58.2

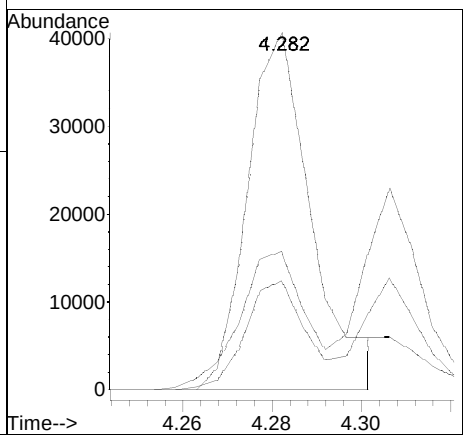


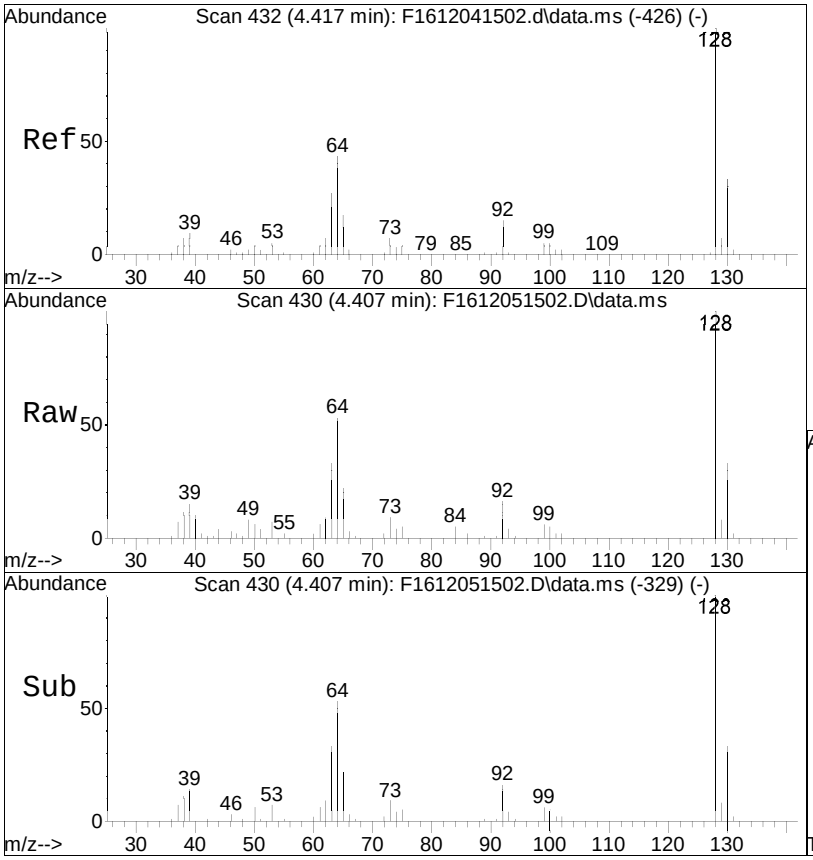


#9
Phenol
Concen: 0.49 ug/mL
RT: 4.282 min Scan# 404
Delta R.T. -0.010 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion: 94 Resp: 40490

Ion	Ratio	Lower	Upper
94	100		
66	40.3	27.5	41.3
65	28.8	20.7	31.1

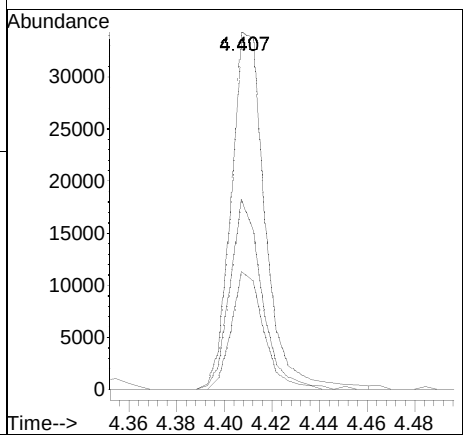


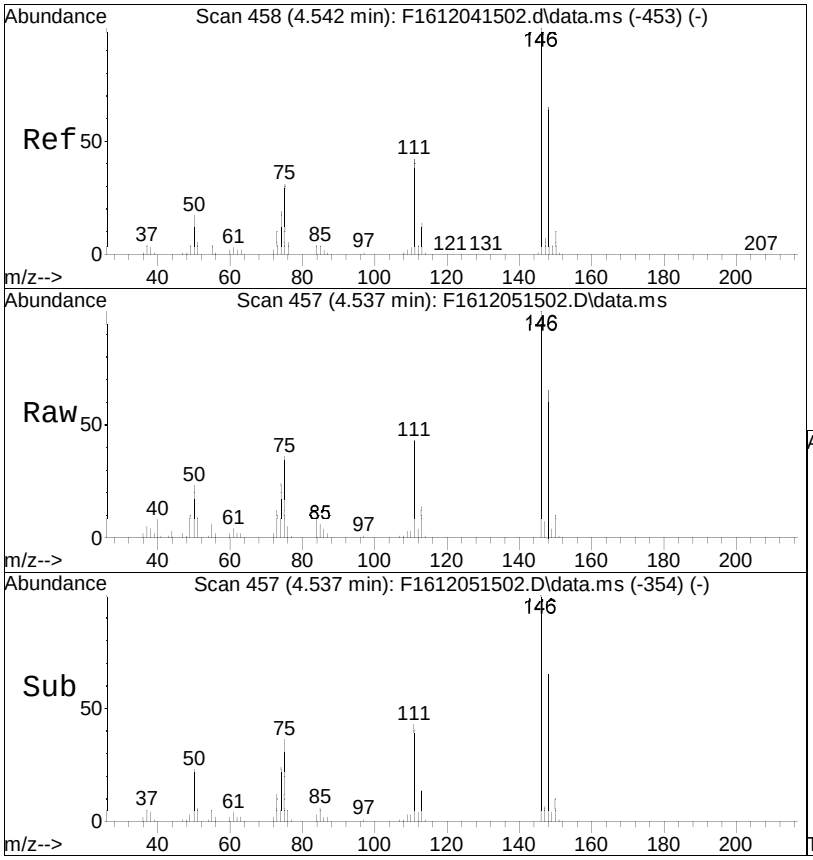


#10
2-Chlorophenol
Concen: 0.52 ug/mL
RT: 4.407 min Scan# 430
Delta R.T. -0.010 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:128 Resp: 33975

Ion	Ratio	Lower	Upper
128	100		
64	49.6	33.1	49.7
130	31.1	25.7	38.5

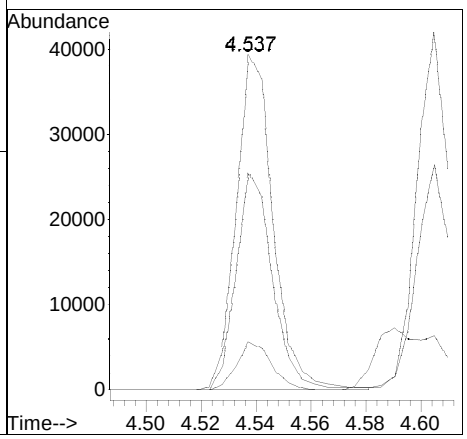


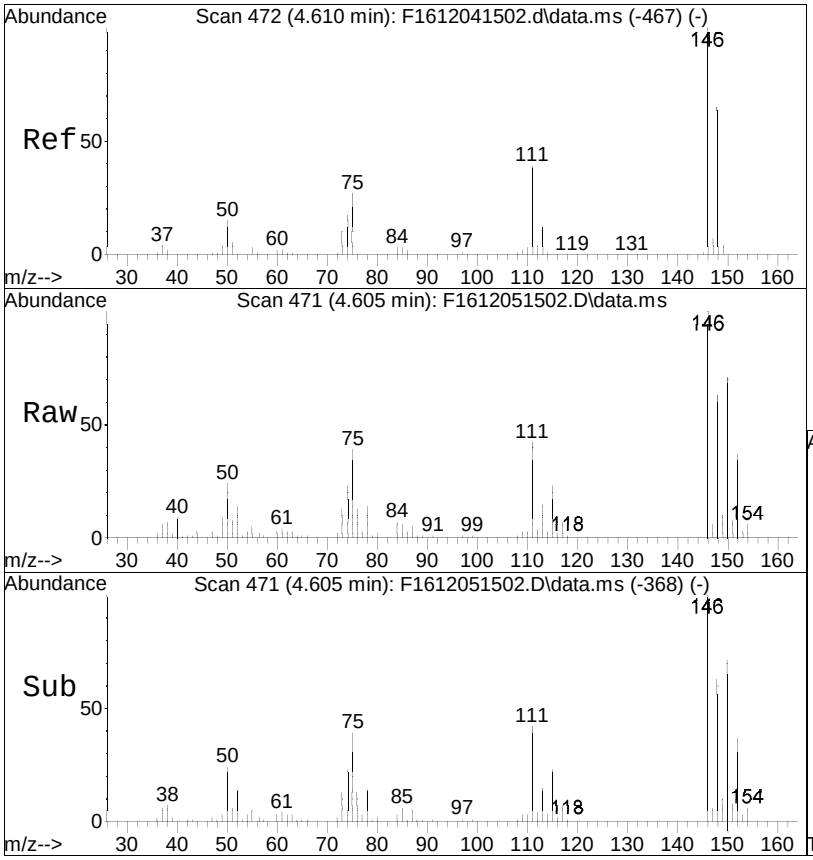


#11
1,3-Dichlorobenzene
Concen: 0.52 ug/mL
RT: 4.537 min Scan# 457
Delta R.T. -0.005 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:146 Resp: 36886

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.2	76.8
113	13.6	10.6	16.0

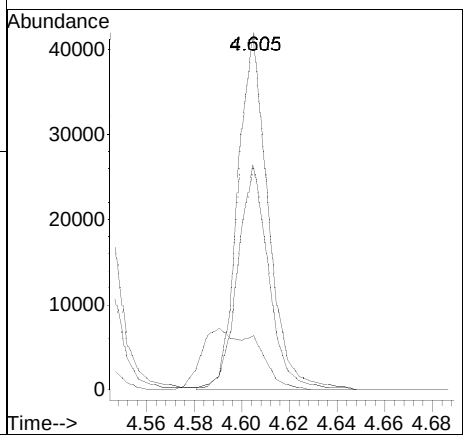


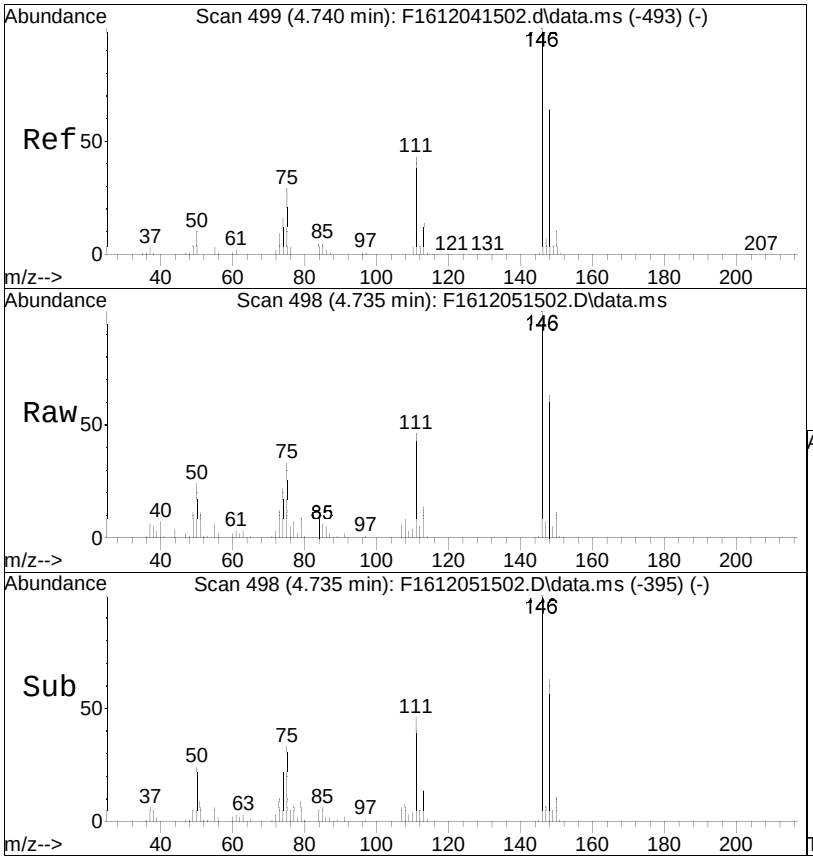


#12
1,4-Dichlorobenzene
Concen: 0.52 ug/mL M3
RT: 4.605 min Scan# 471
Delta R.T. -0.005 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:146 Resp: 37155

Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.6	76.0
113	13.5	10.6	15.8

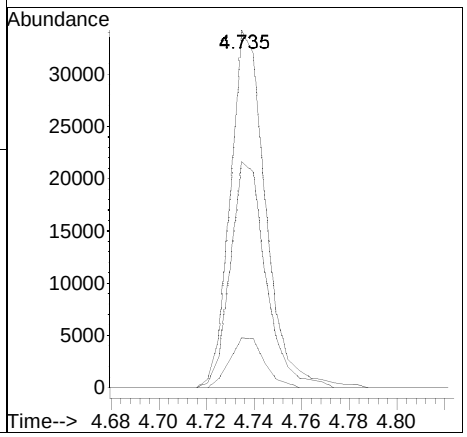


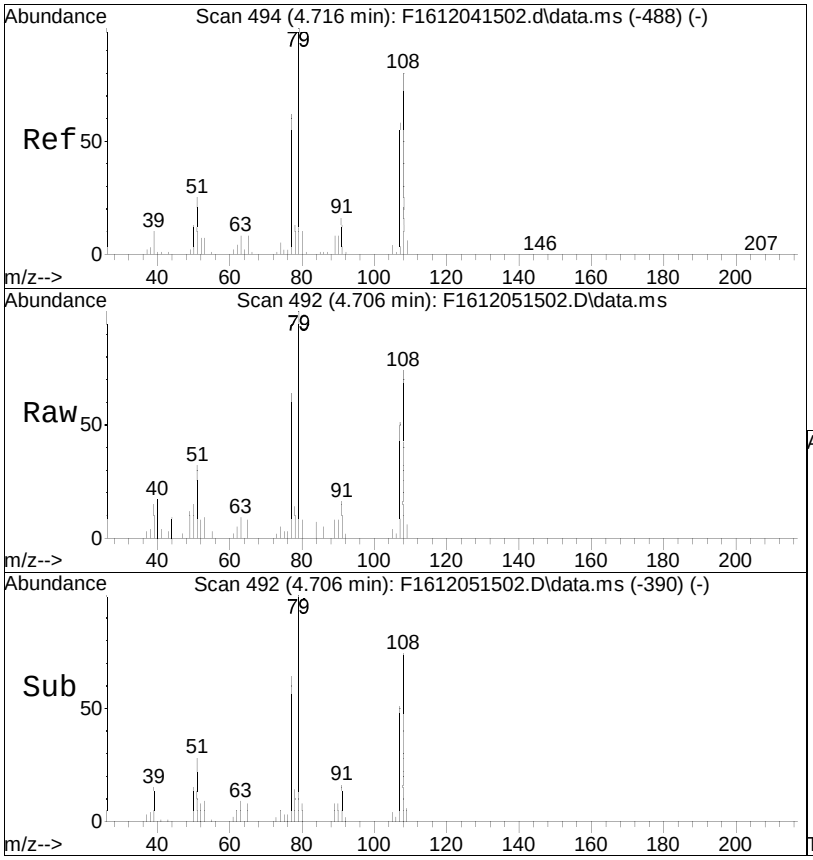


#13
1,2-Dichlorobenzene
Concen: 0.53 ug/mL
RT: 4.735 min Scan# 498
Delta R.T. -0.005 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:146 Resp: 35240

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.3	76.9
113	13.7	11.2	16.8

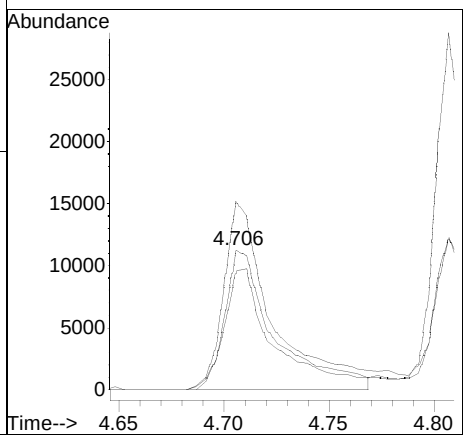


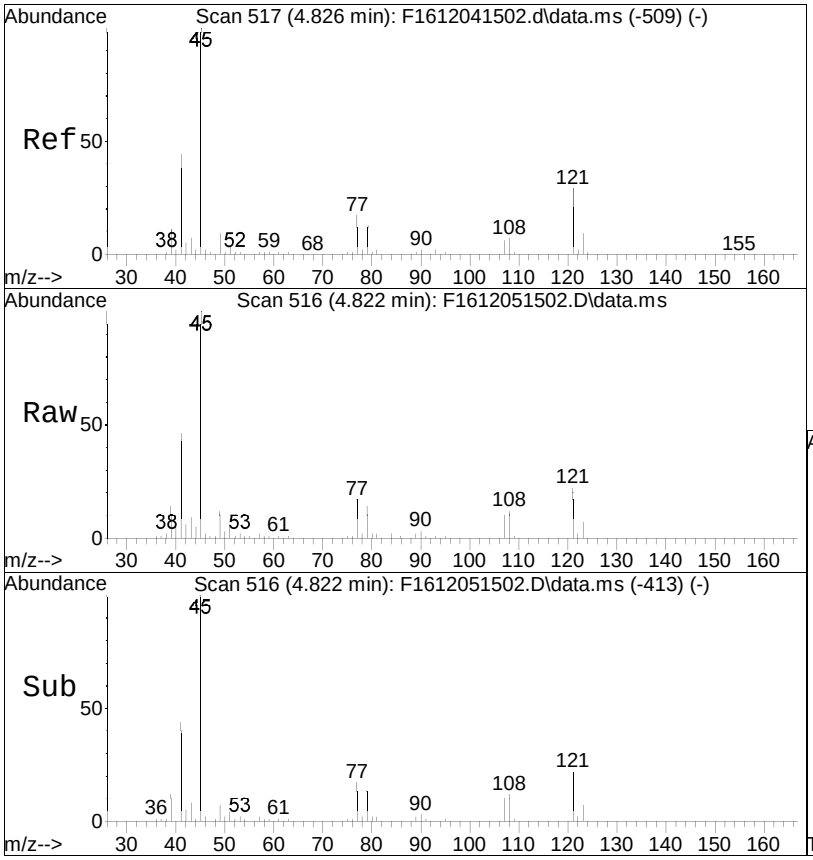


#14
Benzyl alcohol
Concen: 0.45 ug/mL
RT: 4.706 min Scan# 492
Delta R.T. -0.010 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:108 Resp: 18896

Ion	Ratio	Lower	Upper
108	100		
79	133.4	100.0	150.0
77	85.4	62.3	93.5

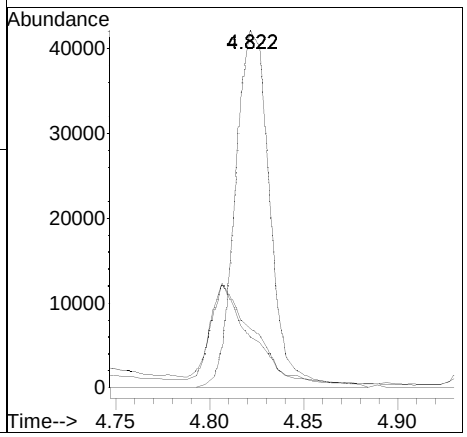


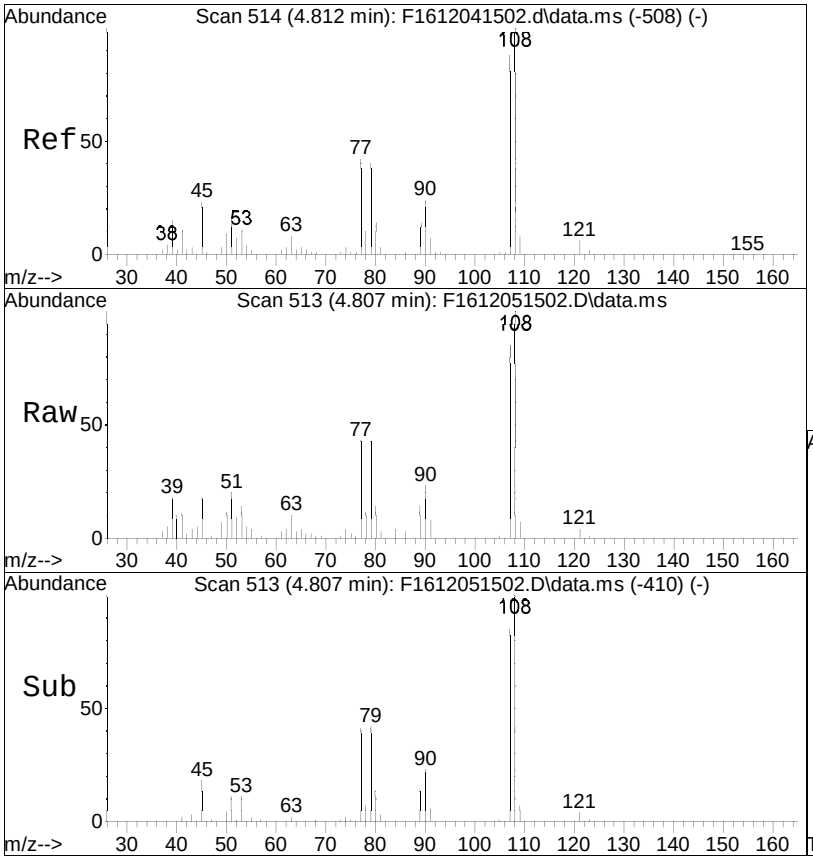


#15
bis(2-chloroisopropyl)ether
Concen: 0.55 ug/mL
RT: 4.822 min Scan# 516
Delta R.T. -0.004 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion: 45 Resp: 53586

Ion	Ratio	Lower	Upper
45	100		
77	35.0	11.8	17.6#
79	34.3	9.4	14.0#

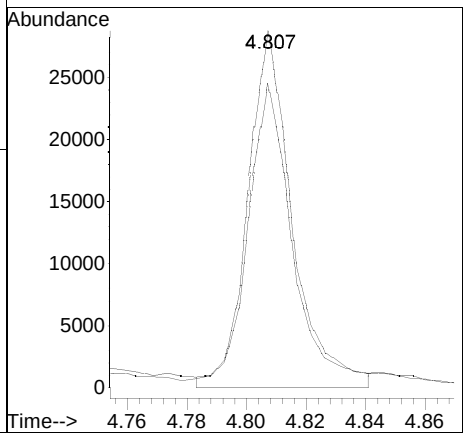


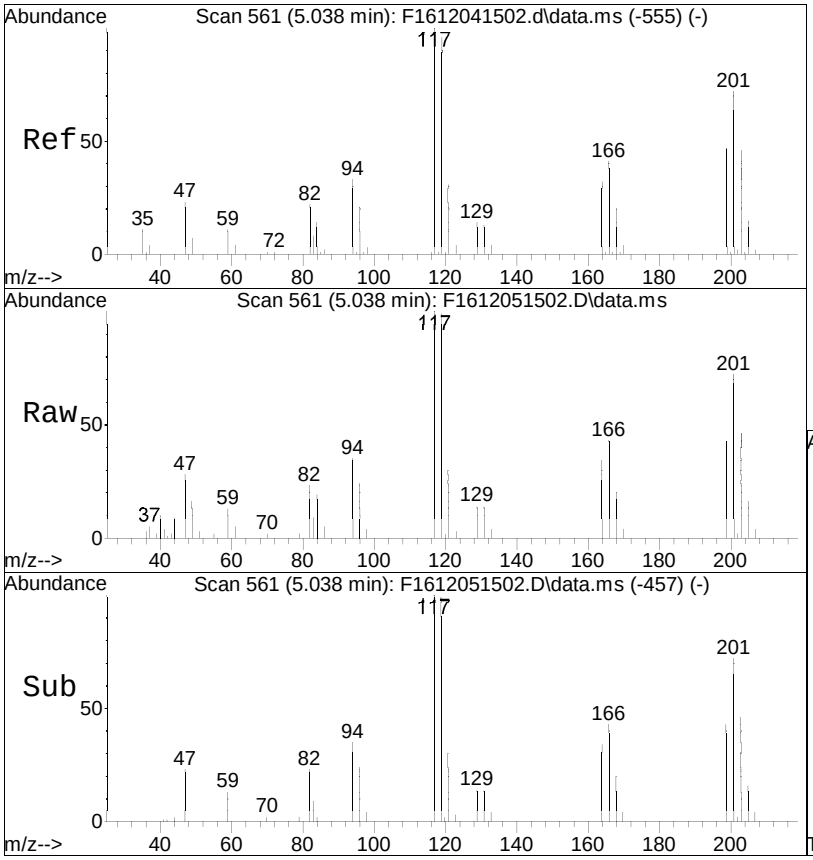


#16
2-Methylphenol
Concen: 0.52 ug/mL M4
RT: 4.807 min Scan# 513
Delta R.T. -0.005 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:108 Resp: 29908

Ion	Ratio	Lower	Upper
108	100		
107	85.2	68.4	102.6

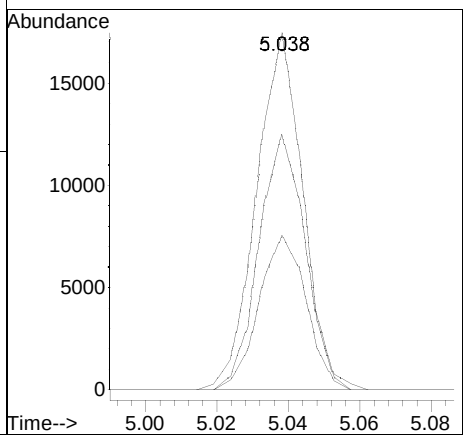


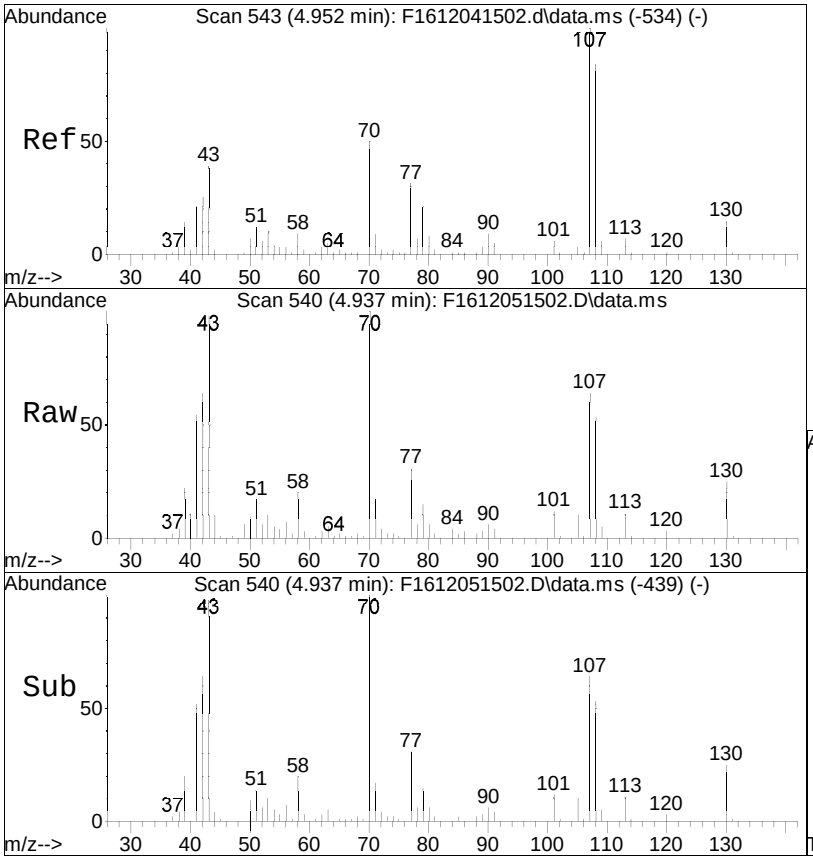


#18
Hexachloroethane
Concen: 0.53 ug/mL
RT: 5.038 min Scan# 561
Delta R.T. 0.000 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:117 Resp: 15681

Ion	Ratio	Lower	Upper
117	100		
201	71.4	67.9	101.9
199	44.2	42.2	63.4

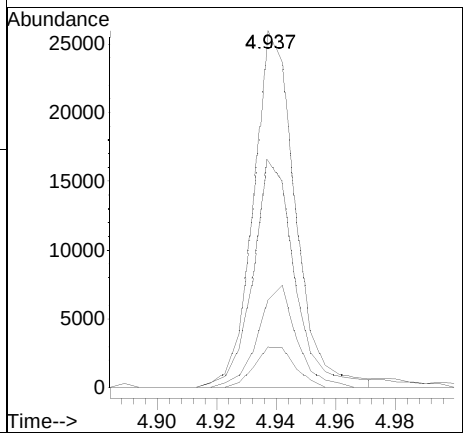


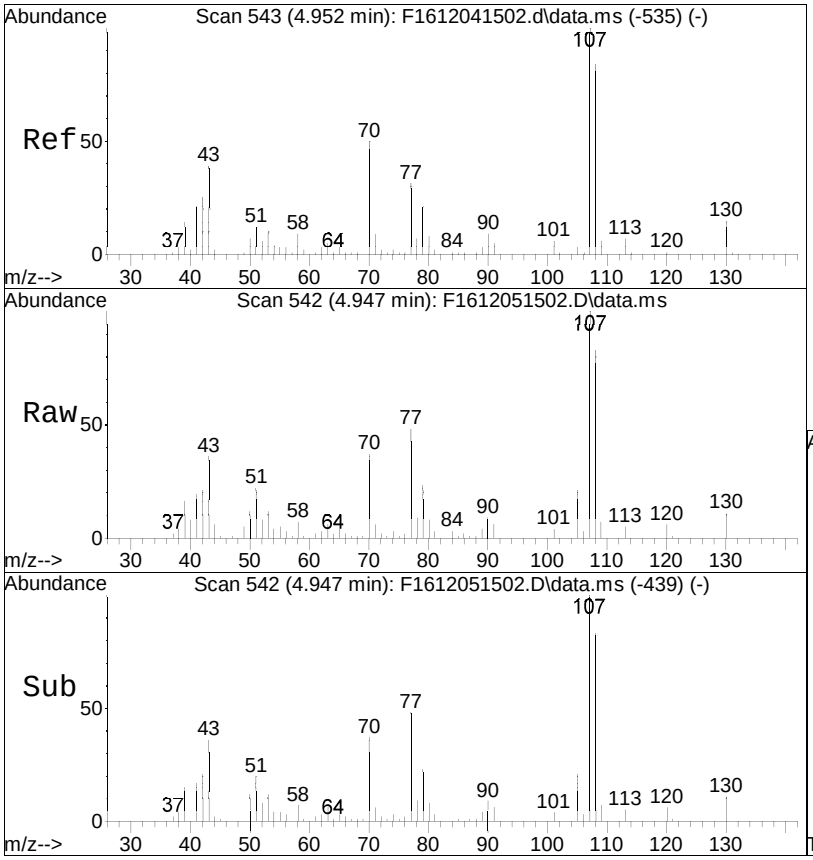


#19
N-Nitroso-di-n-propylamine
Concen: 0.51 ug/mL
RT: 4.937 min Scan# 540
Delta R.T. -0.015 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion: 70 Resp: 25363

Ion	Ratio	Lower	Upper
70	100		
42	65.9	39.6	59.4#
130	26.5	23.7	35.5
101	11.0	9.5	14.3

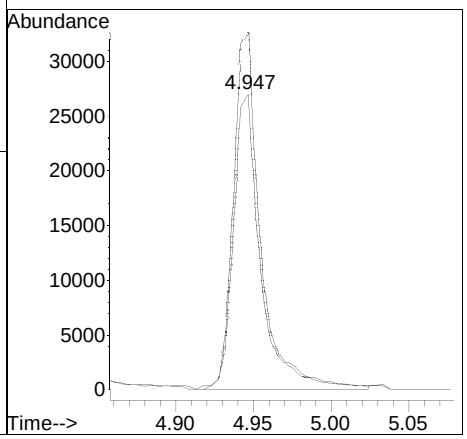


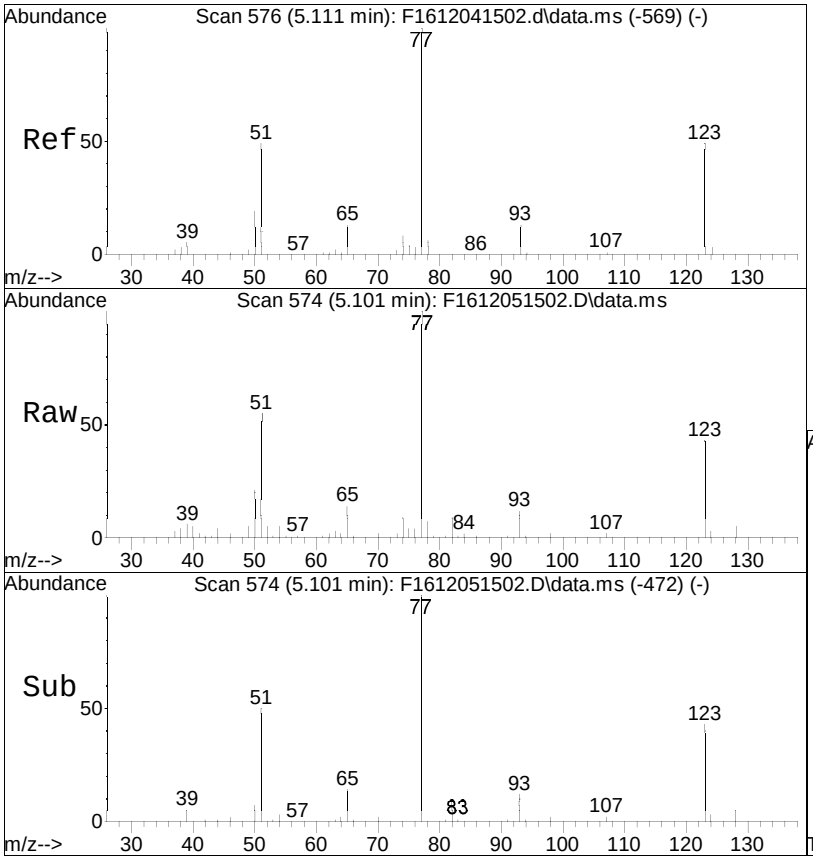


#20
4-Methylphenol
Concen: 0.53 ug/mL
RT: 4.947 min Scan# 542
Delta R.T. -0.005 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:108 Resp: 32971

Ion	Ratio	Lower	Upper
108	100		
107	119.5	95.8	143.8

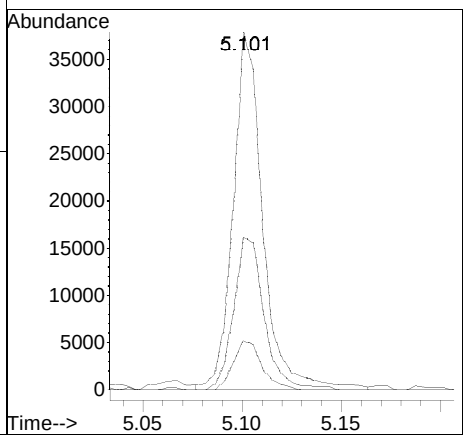


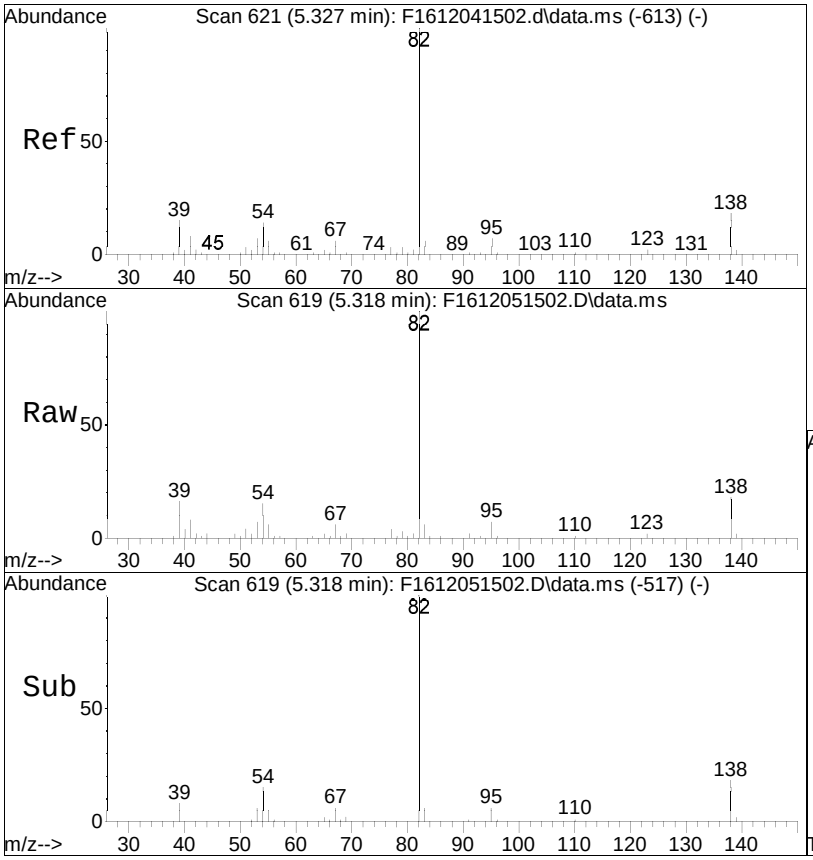


#23
Nitrobenzene
Concen: 0.51 ug/mL M4
RT: 5.101 min Scan# 574
Delta R.T. -0.010 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion: 77 Resp: 39035

Ion	Ratio	Lower	Upper
77	100		
123	43.7	38.3	57.5
65	13.4	10.6	15.8

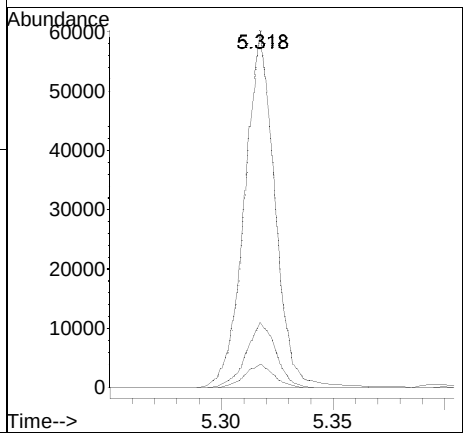


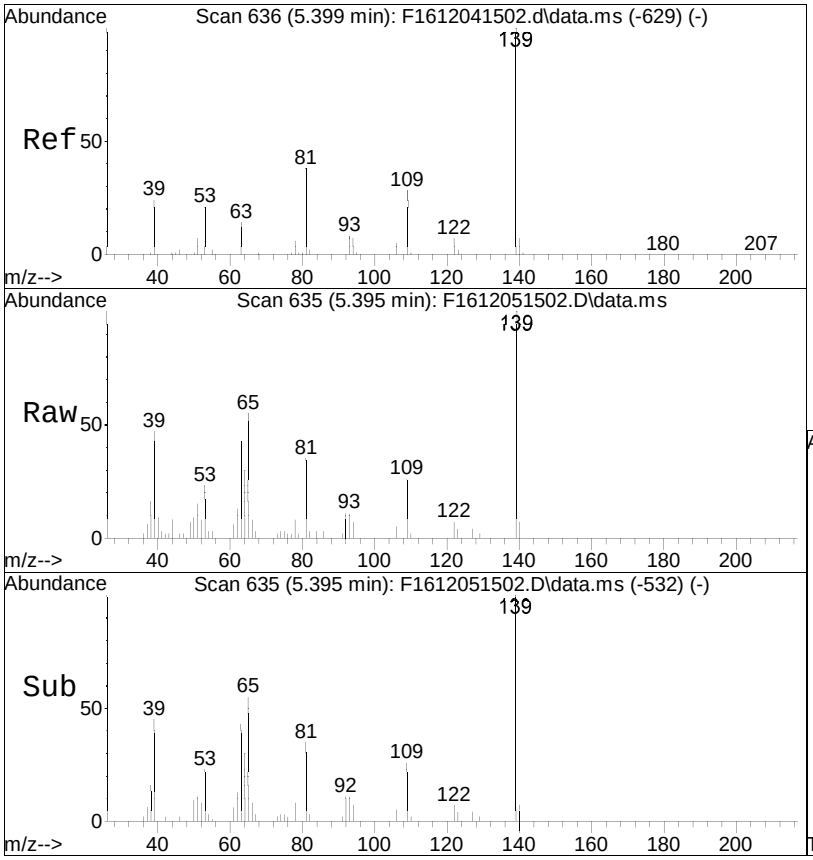


#24
Isophorone
Concen: 0.50 ug/mL
RT: 5.318 min Scan# 619
Delta R.T. -0.009 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion: 82 Resp: 56150

Ion	Ratio	Lower	Upper
82	100		
138	18.2	15.7	23.5
95	6.4	5.6	8.4

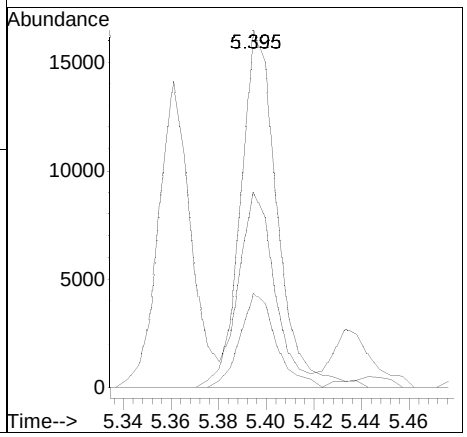


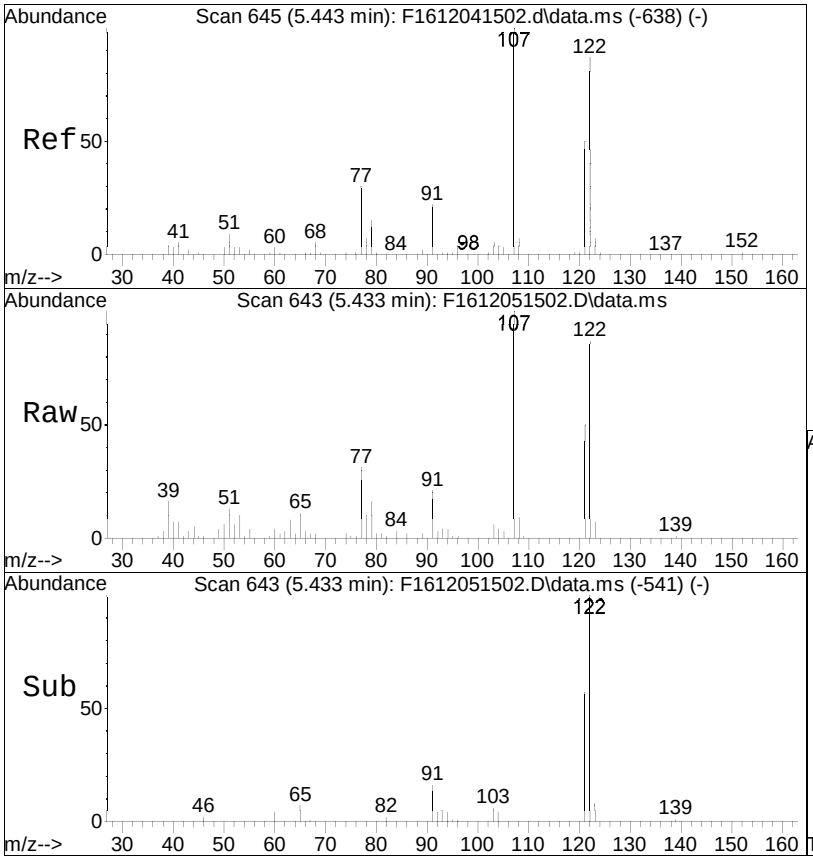


#25
2-Nitrophenol
Concen: 0.50 ug/mL
RT: 5.395 min Scan# 635
Delta R.T. -0.004 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:139 Resp: 17571

Ion	Ratio	Lower	Upper
139	100		
65	53.4	37.4	56.2
109	26.0	22.3	33.5

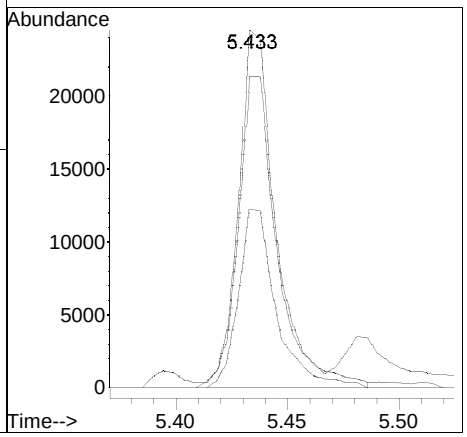


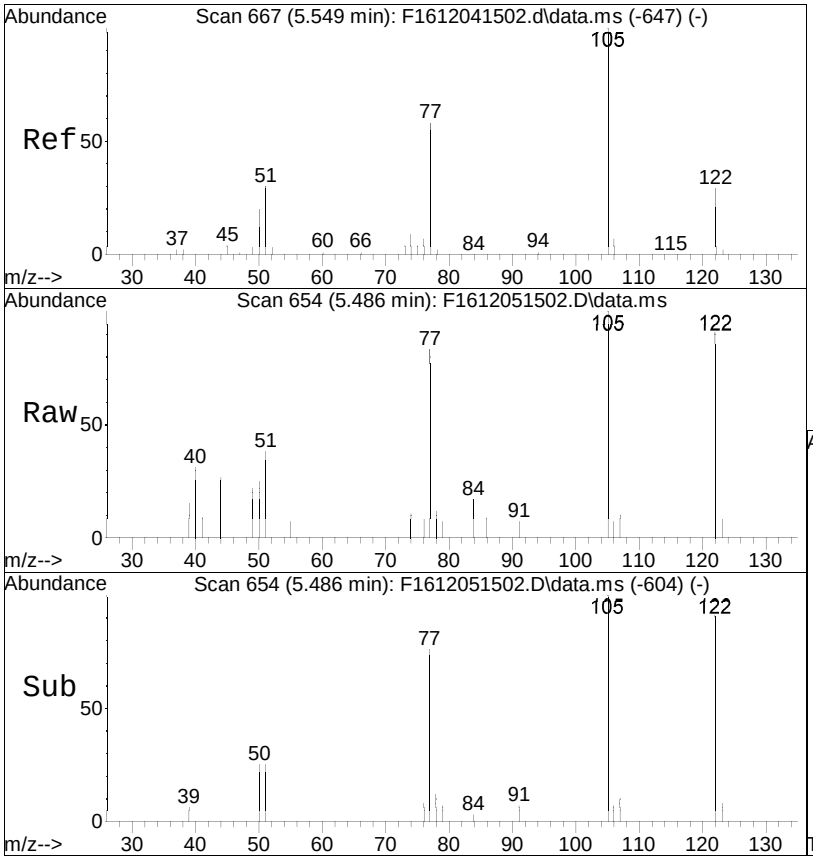


#26
2,4-Dimethylphenol
Concen: 0.53 ug/mL
RT: 5.433 min Scan# 643
Delta R.T. -0.010 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:107 Resp: 28705

Ion	Ratio	Lower	Upper
107	100		
122	84.8	71.4	107.0
121	50.1	40.1	60.1

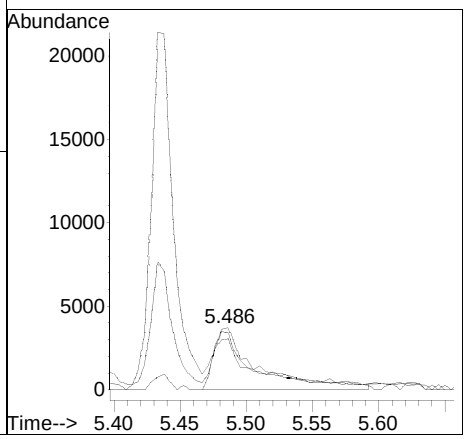


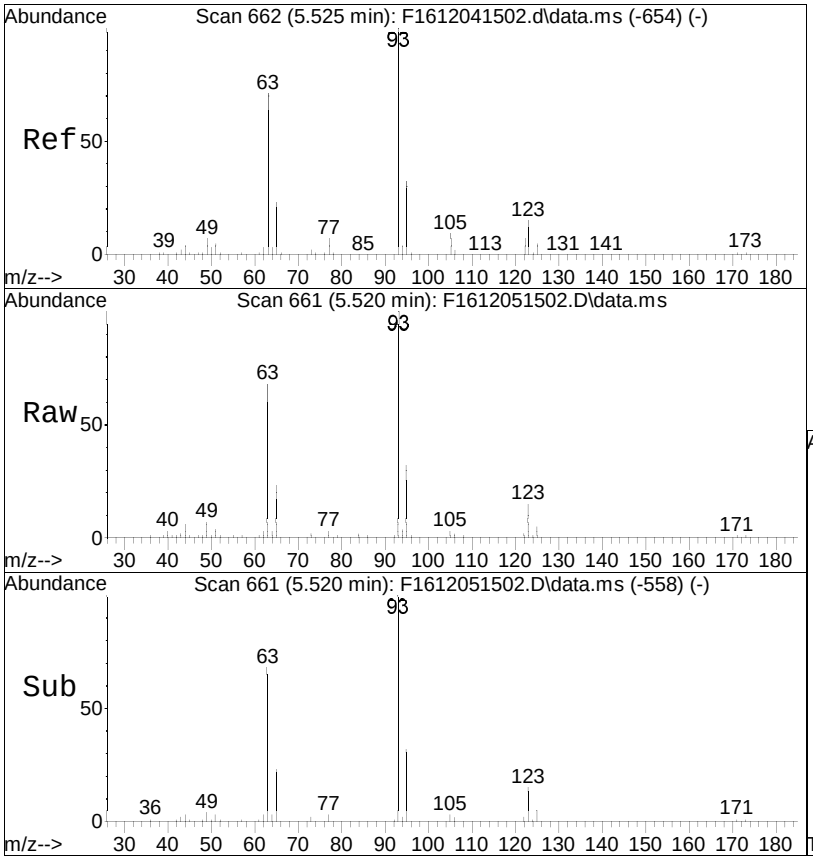


#27
Benzoic acid
Concen: 0.84 ug/mL M4
RT: 5.486 min Scan# 654
Delta R.T. -0.063 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:105 Resp: 8945

Ion	Ratio	Lower	Upper
105	100		
122	0.0	62.7	94.1#
77	2.5	56.9	85.3#

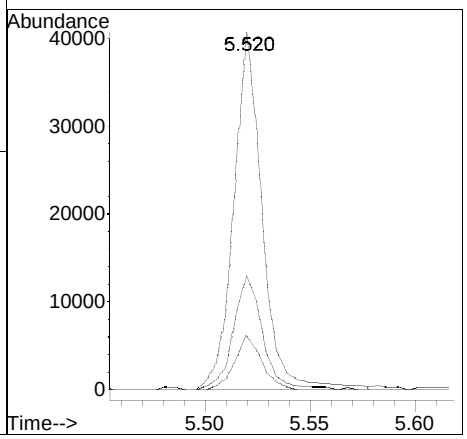


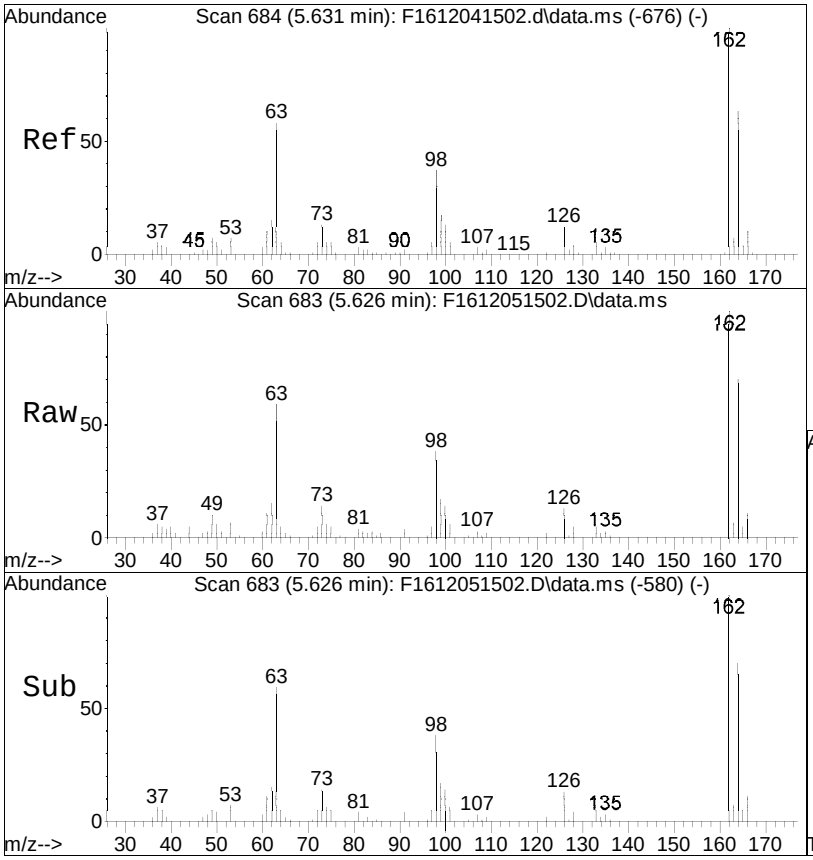


#28
bis(2-Chloroethoxy)methane
Concen: 0.50 ug/mL
RT: 5.520 min Scan# 661
Delta R.T. -0.005 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion: 93 Resp: 37978

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.9	38.9
123	14.6	13.1	19.7

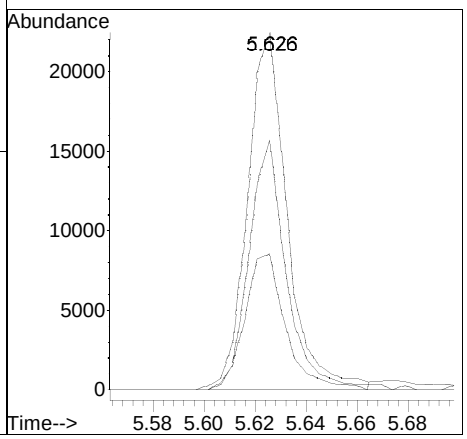


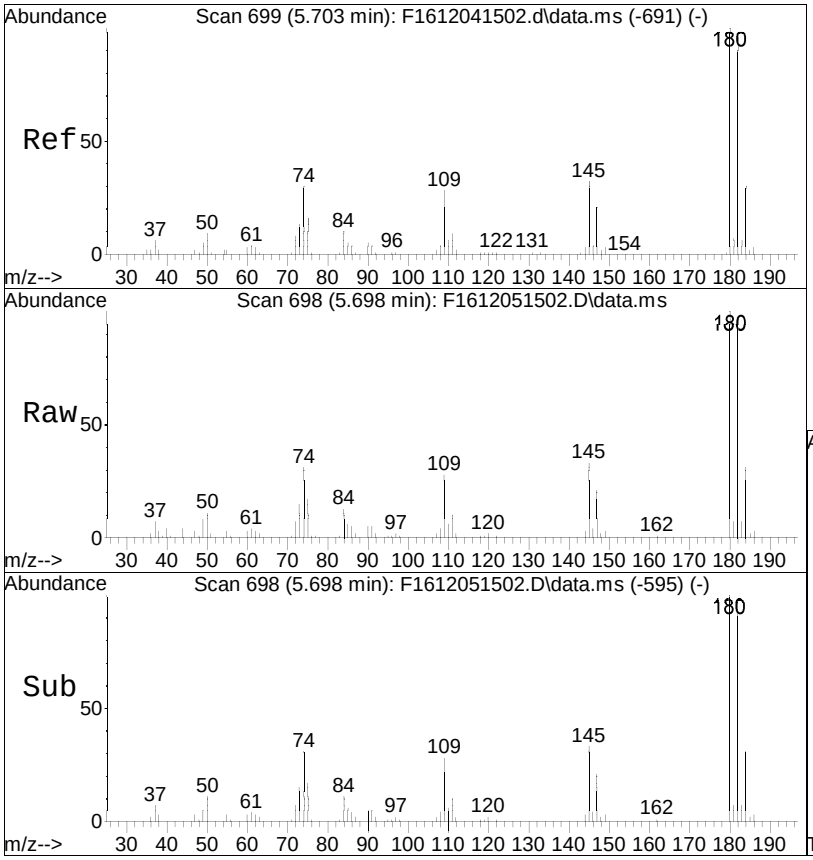


#29
2,4-Dichlorophenol
Concen: 0.49 ug/mL
RT: 5.626 min Scan# 683
Delta R.T. -0.005 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:162 Resp: 24046

Ion	Ratio	Lower	Upper
162	100		
164	65.9	51.2	76.8
98	39.2	27.8	41.8

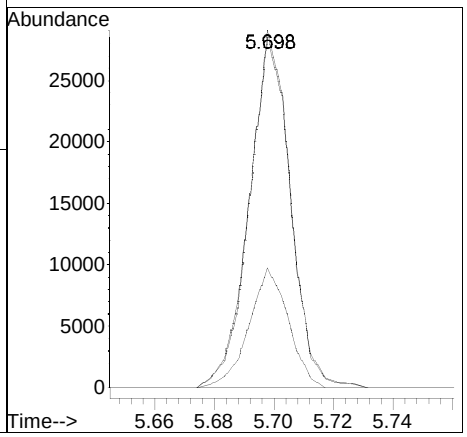


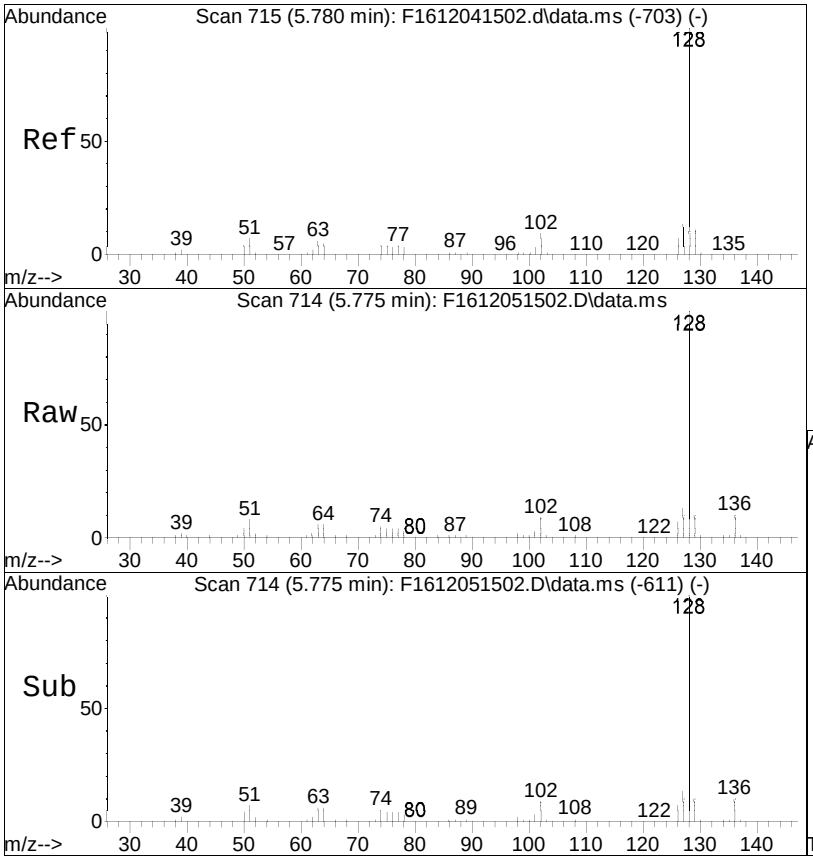


#30
1,2,4-Trichlorobenzene
Concen: 0.52 ug/mL
RT: 5.698 min Scan# 698
Delta R.T. -0.005 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:180 Resp: 27524

Ion	Ratio	Lower	Upper
180	100		
182	98.2	75.6	113.4
145	32.4	24.6	37.0

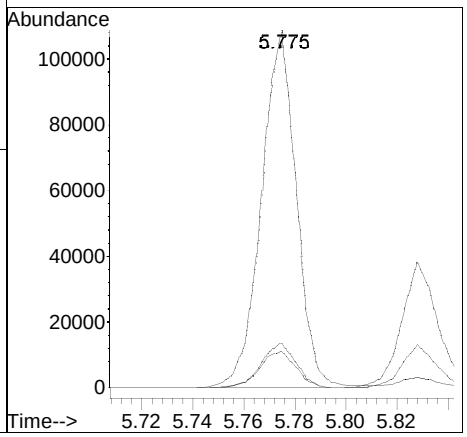


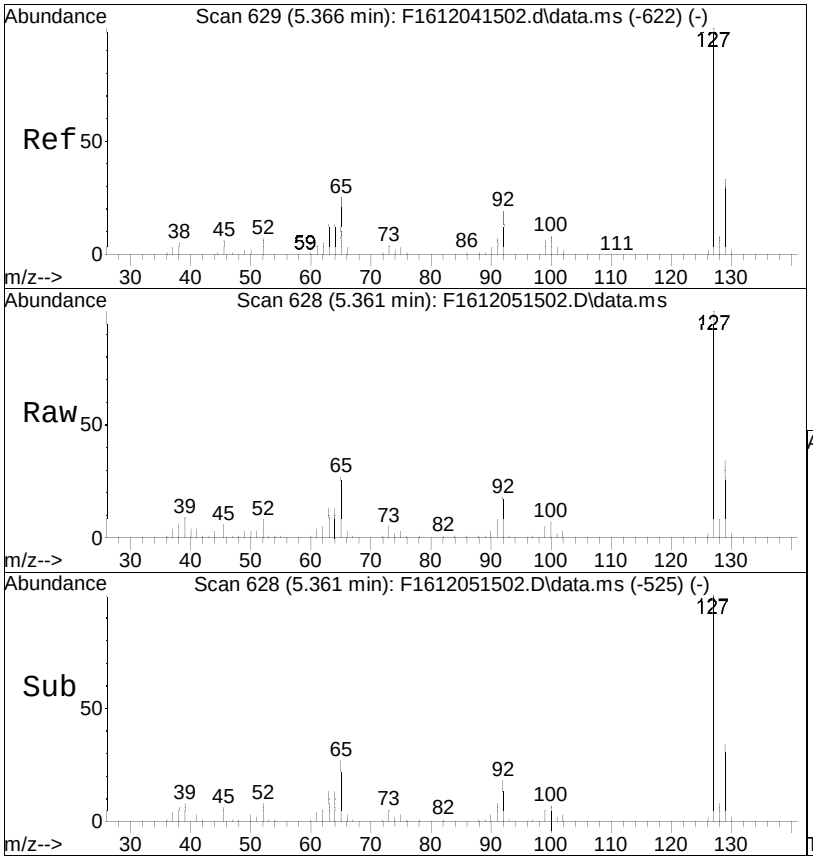


#31
Naphthalene
Concen: 0.53 ug/mL
RT: 5.775 min Scan# 714
Delta R.T. -0.005 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:128 Resp: 102633

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	12.6	10.2	15.4

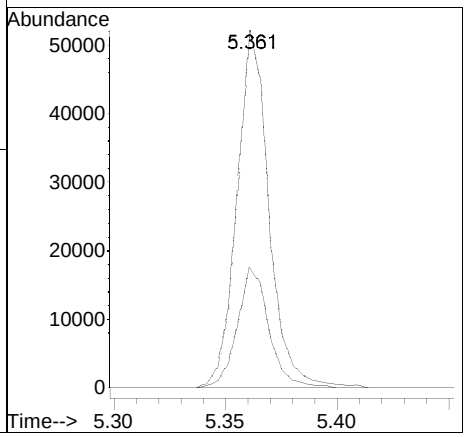


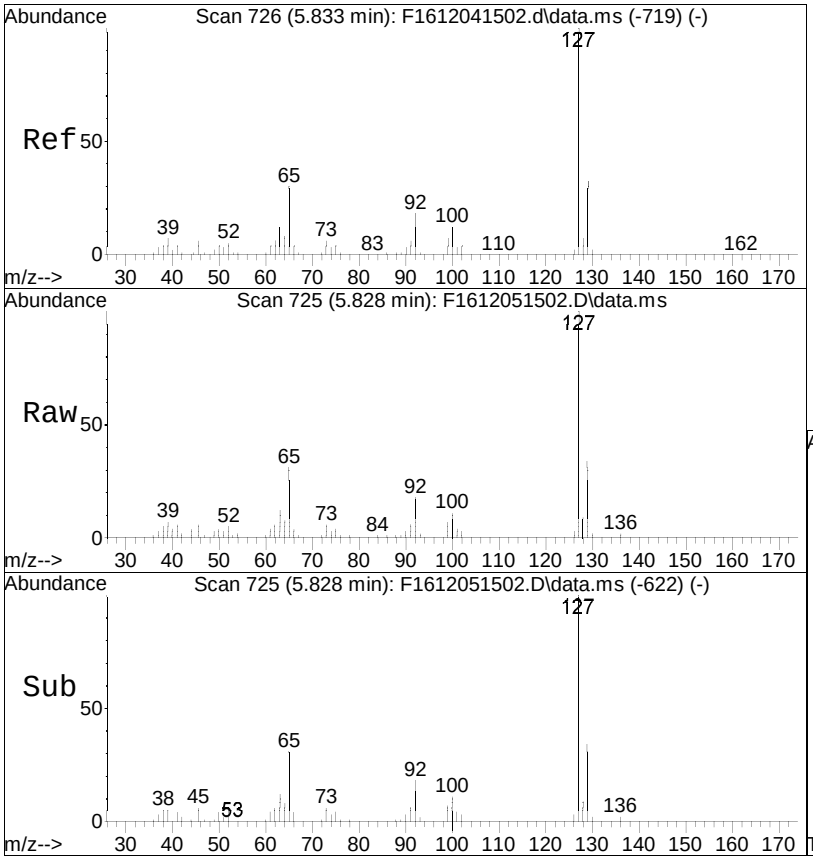


#32
2-Chloroaniline
Concen: 0.51 ug/ml
RT: 5.361 min Scan# 628
Delta R.T. -0.005 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:127 Resp: 51551

Ion	Ratio	Lower	Upper
127	100		
129	33.3	25.8	38.6

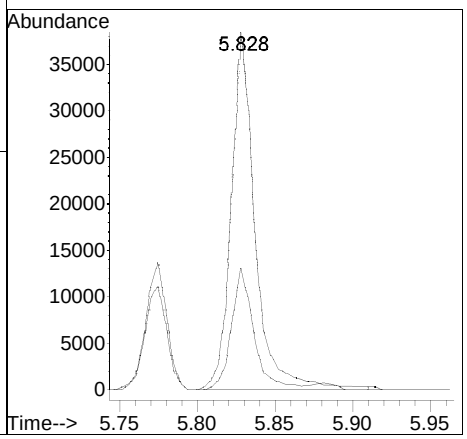


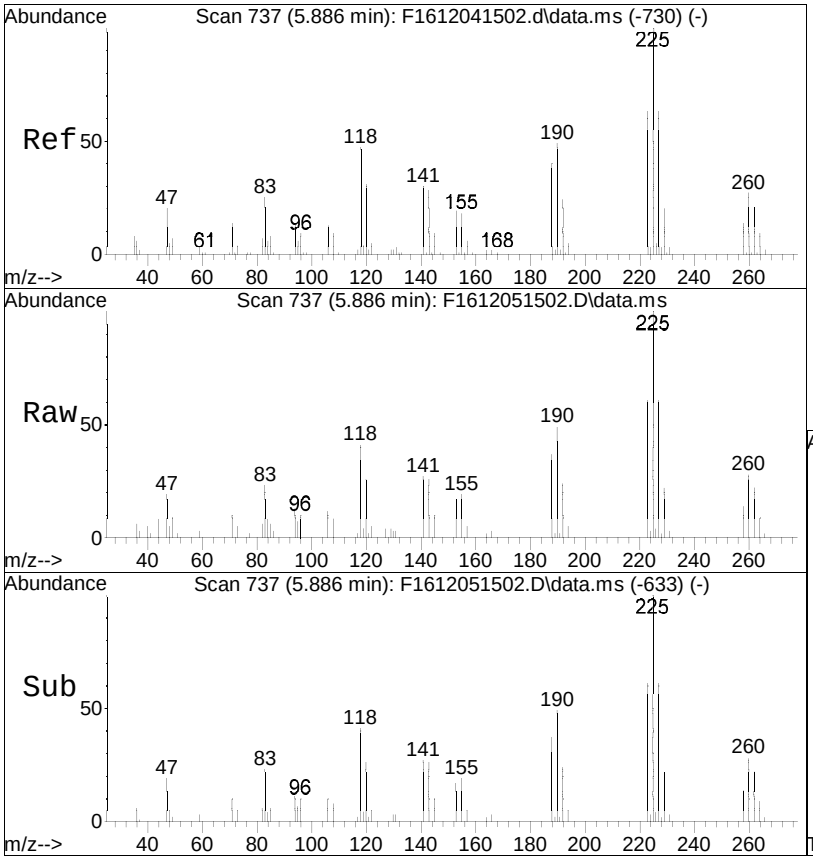


#33
4-Chloroaniline
Concen: 0.52 ug/mL
RT: 5.828 min Scan# 725
Delta R.T. -0.005 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:127 Resp: 41039

Ion	Ratio	Lower	Upper
127	100		
129	32.1	275.7	413.5#

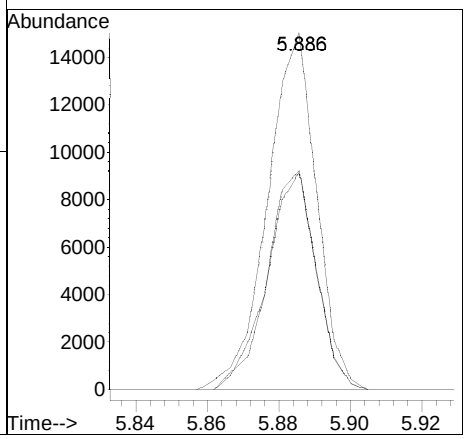


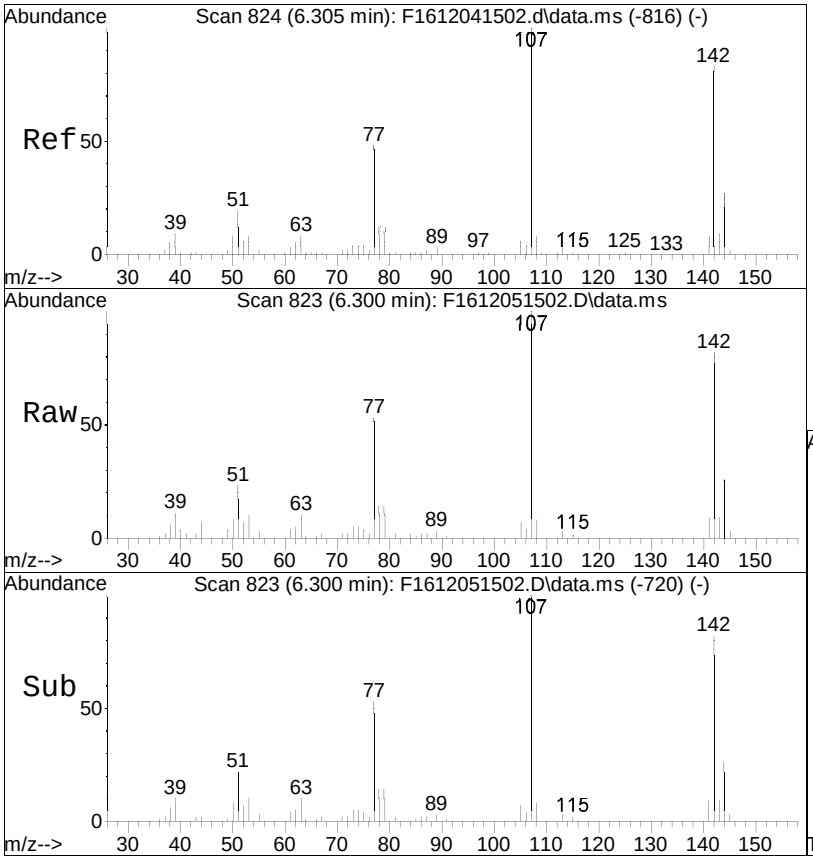


#34
Hexachlorobutadiene
Concen: 0.54 ug/mL
RT: 5.886 min Scan# 737
Delta R.T. -0.000 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:225 Resp: 14291

Ion	Ratio	Lower	Upper
225	100		
223	60.4	50.1	75.1
227	62.7	50.6	75.8

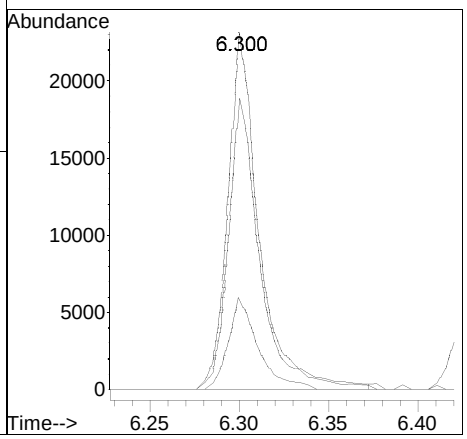


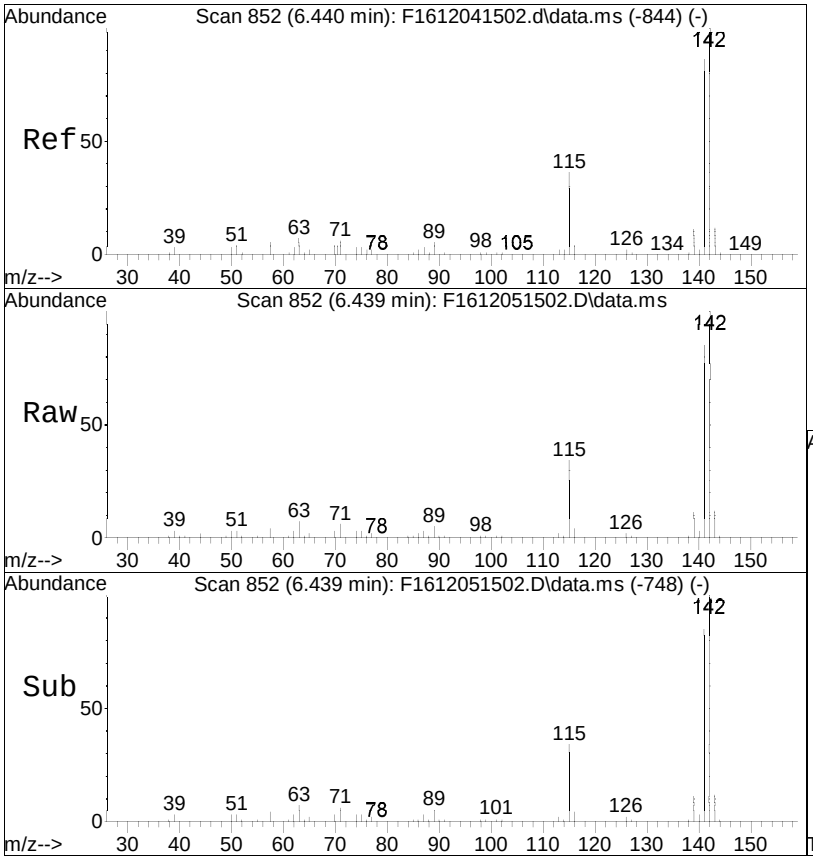


#36
4-Chloro-3-methylphenol
Concen: 0.49 ug/mL
RT: 6.300 min Scan# 823
Delta R.T. -0.005 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:107 Resp: 28036

Ion	Ratio	Lower	Upper
107	100		
144	24.7	20.7	31.1
142	81.0	65.4	98.0

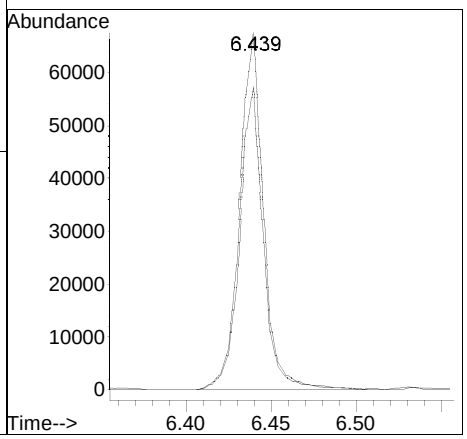


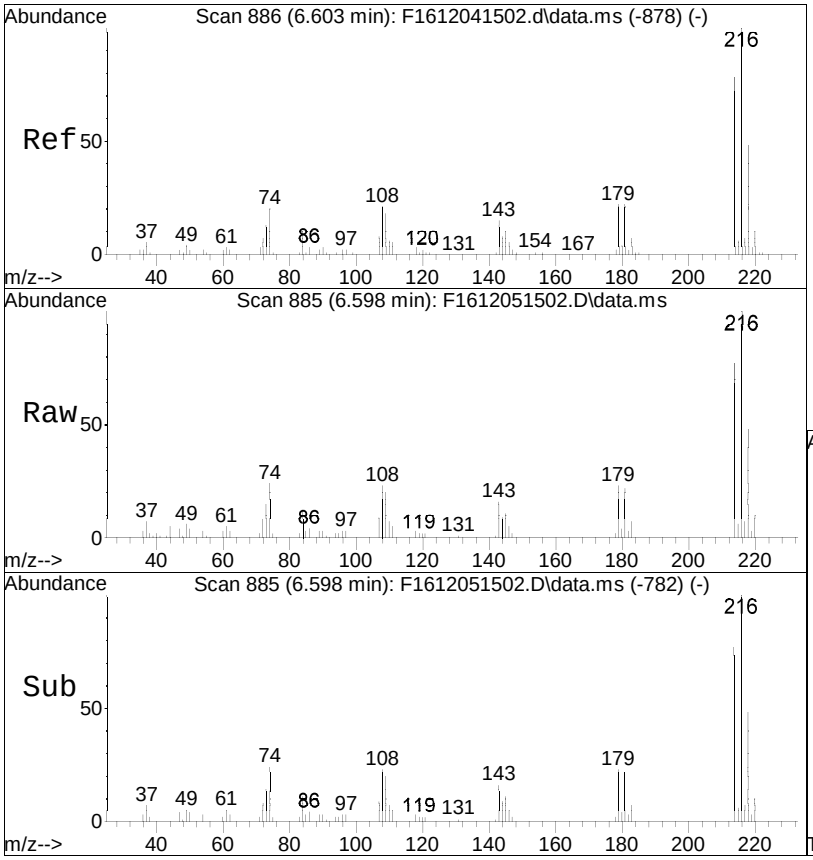


#37
2-Methylnaphthalene
Concen: 0.52 ug/mL
RT: 6.439 min Scan# 852
Delta R.T. -0.001 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:142 Resp: 65888

Ion	Ratio	Lower	Upper
142	100		
141	84.0	67.1	100.7

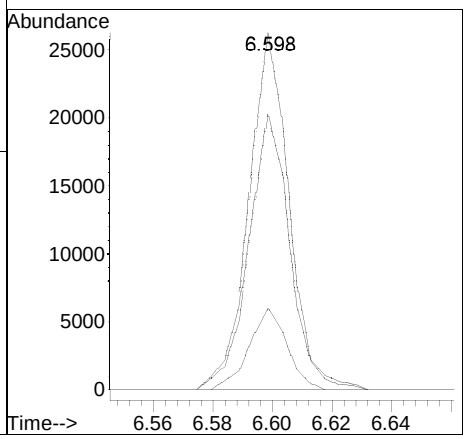


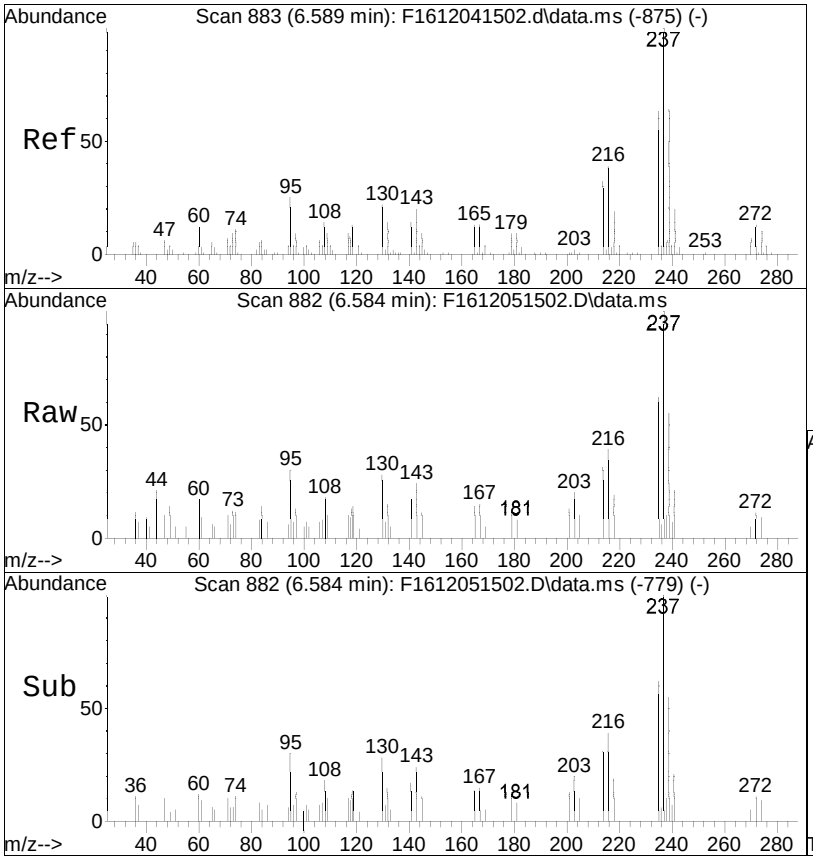


#39
1,2,4,5-Tetrachlorobenzene
Concen: 0.50 ug/mL
RT: 6.598 min Scan# 885
Delta R.T. -0.005 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:216 Resp: 24587

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.4	95.2
179	21.6	18.0	27.0

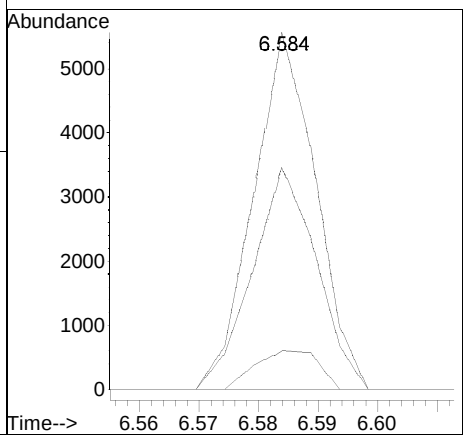


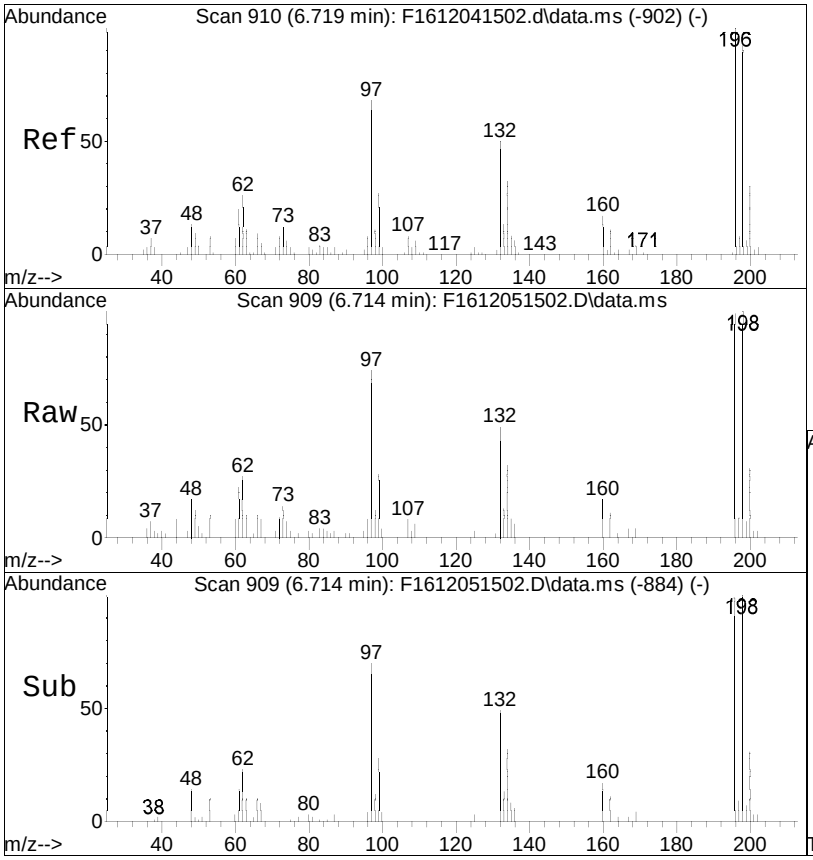


#40
Hexachlorocyclopentadiene
Concen: 0.63 ug/mL
RT: 6.584 min Scan# 882
Delta R.T. -0.005 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:237 Resp: 4031

Ion	Ratio	Lower	Upper
237	100		
235	64.1	50.2	75.4
272	11.1	9.8	14.6

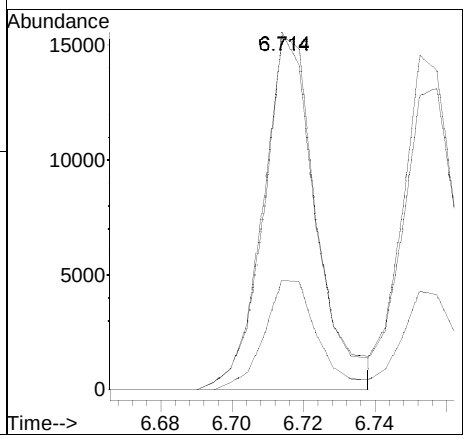


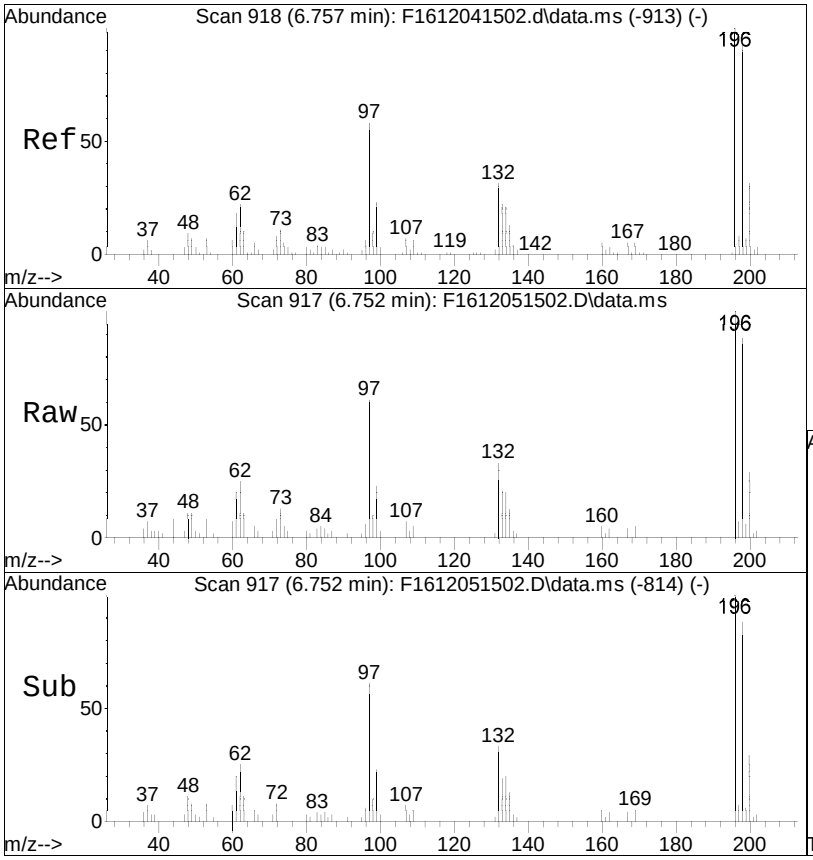


#41
2,4,6-Trichlorophenol
Concen: 0.47 ug/mL
RT: 6.714 min Scan# 909
Delta R.T. -0.005 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:196 Resp: 16167

Ion	Ratio	Lower	Upper
196	100		
198	96.8	75.7	113.5
200	30.8	24.1	36.1

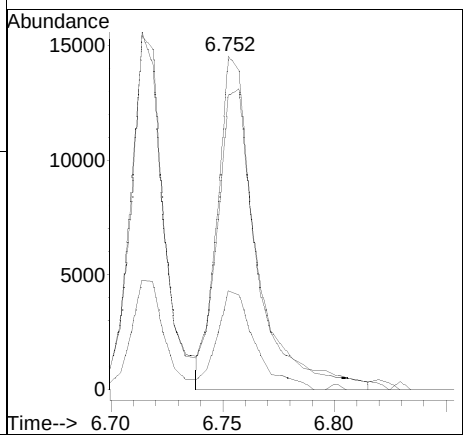


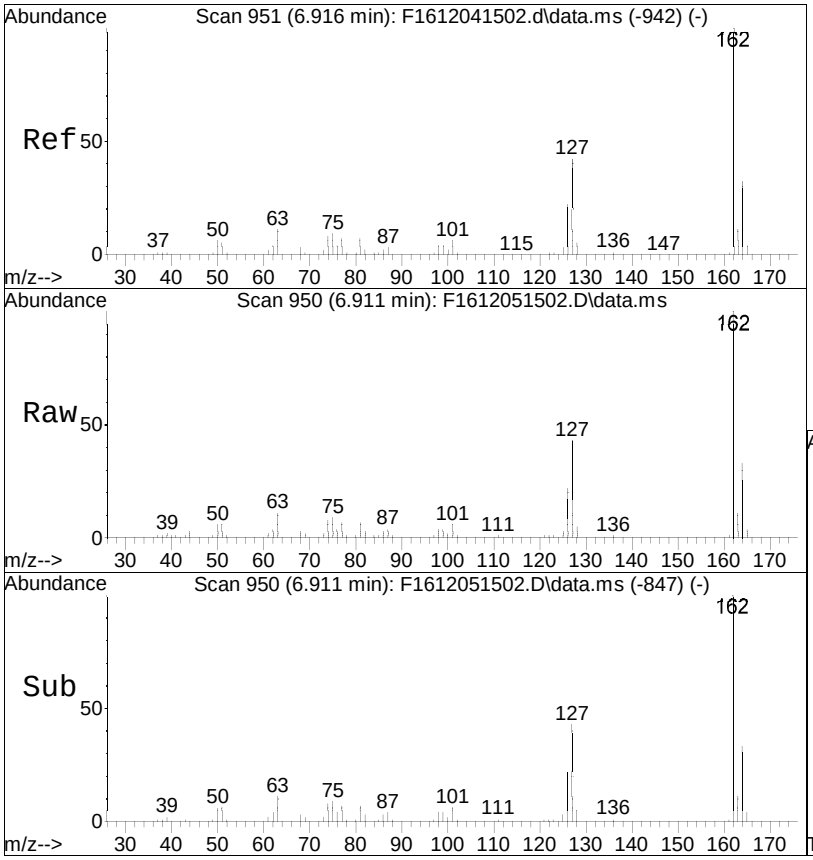


#42
2,4,5-Trichlorophenol
Concen: 0.49 ug/mL
RT: 6.752 min Scan# 917
Delta R.T. -0.005 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:196 Resp: 17721

Ion	Ratio	Lower	Upper
196	100		
198	77.8	76.2	114.2
200	28.9	24.2	36.2

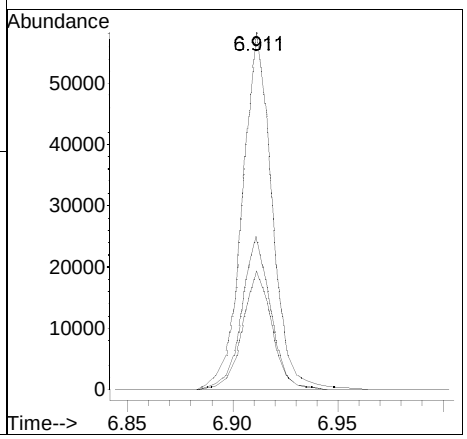


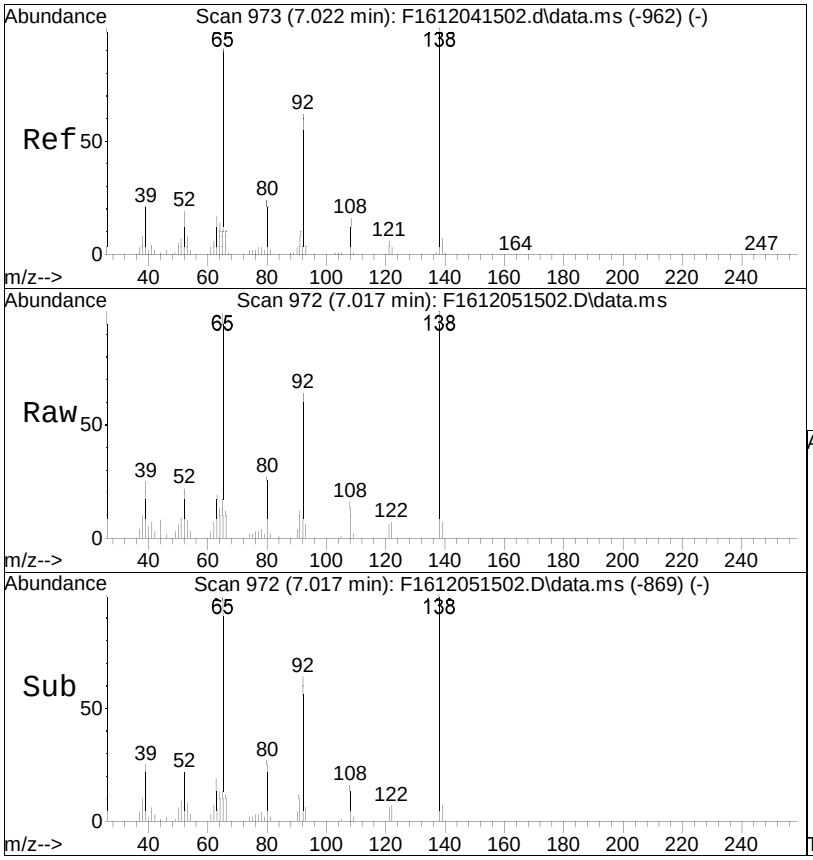


#45
2-Chloronaphthalene
Concen: 0.50 ug/mL
RT: 6.911 min Scan# 950
Delta R.T. -0.005 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:162 Resp: 57266

Ion	Ratio	Lower	Upper
162	100		
164	32.9	25.8	38.6
127	41.4	31.0	46.6

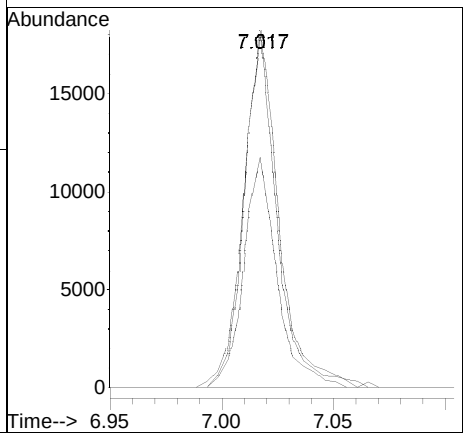


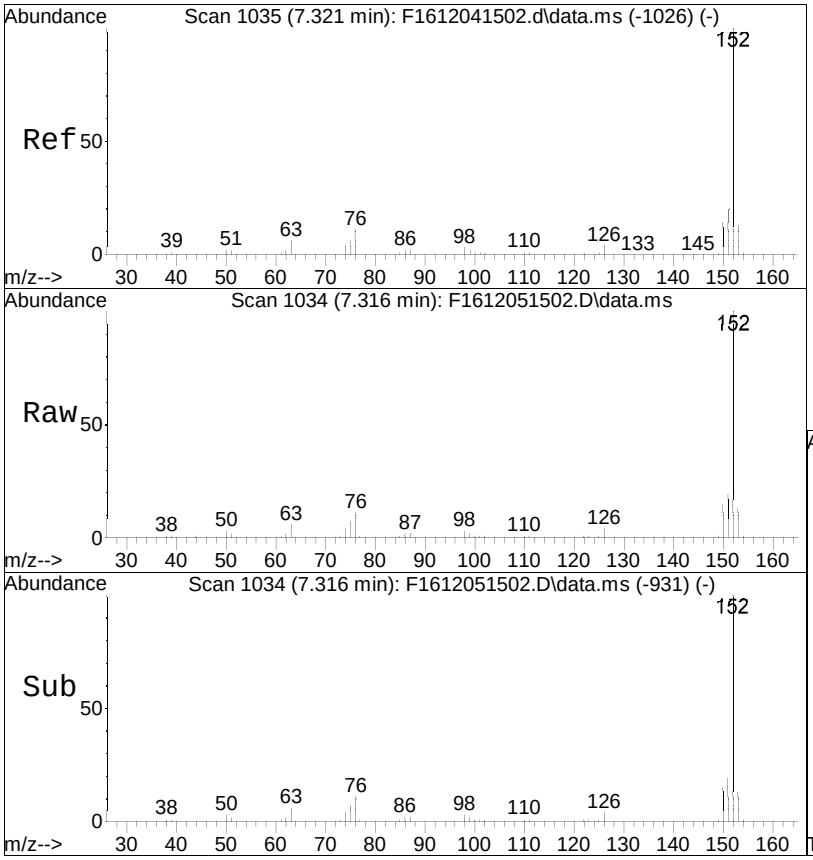


#46
2-Nitroaniline
Concen: 0.43 ug/mL
RT: 7.017 min Scan# 972
Delta R.T. -0.005 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion: 65 Resp: 18832

Ion	Ratio	Lower	Upper
65	100		
92	64.7	58.3	87.5
138	102.9	95.4	143.0

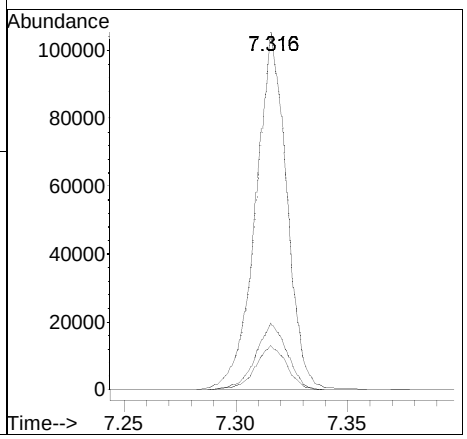


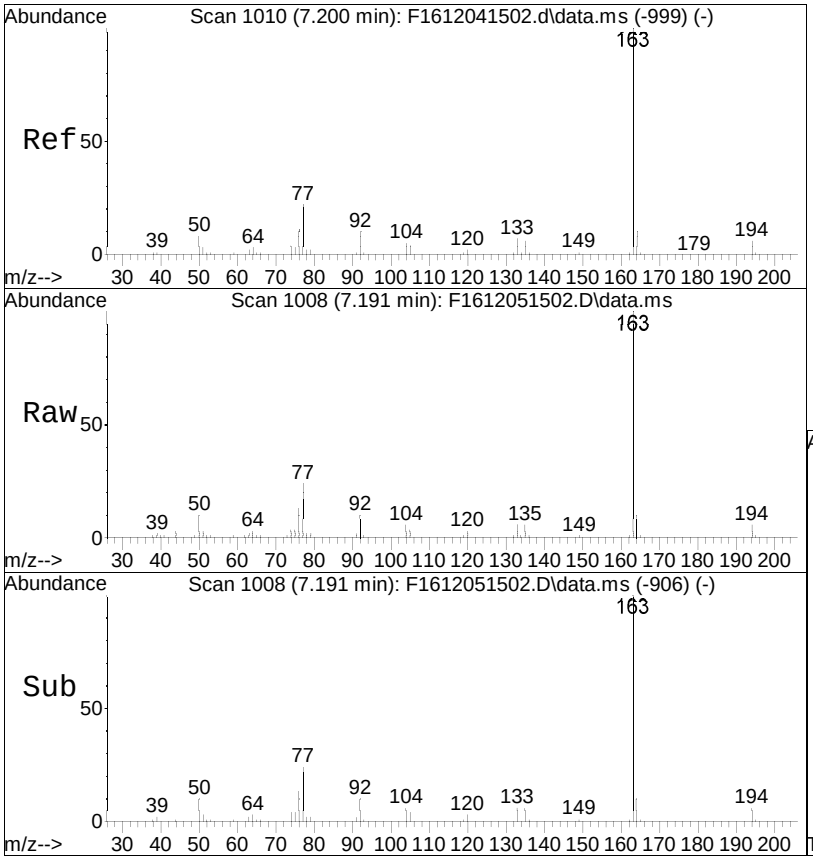


#47
Acenaphthylene
Concen: 0.51 ug/mL
RT: 7.316 min Scan# 1034
Delta R.T. -0.005 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:152 Resp: 100934

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.4	23.2
153	12.7	10.6	15.8

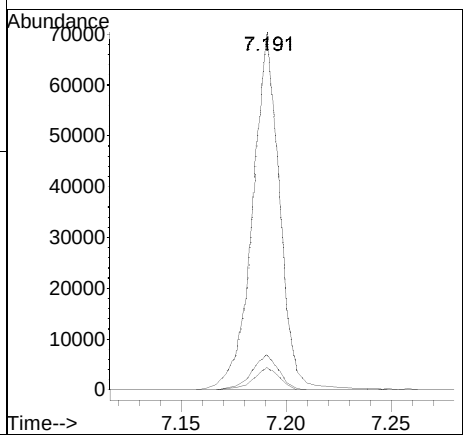


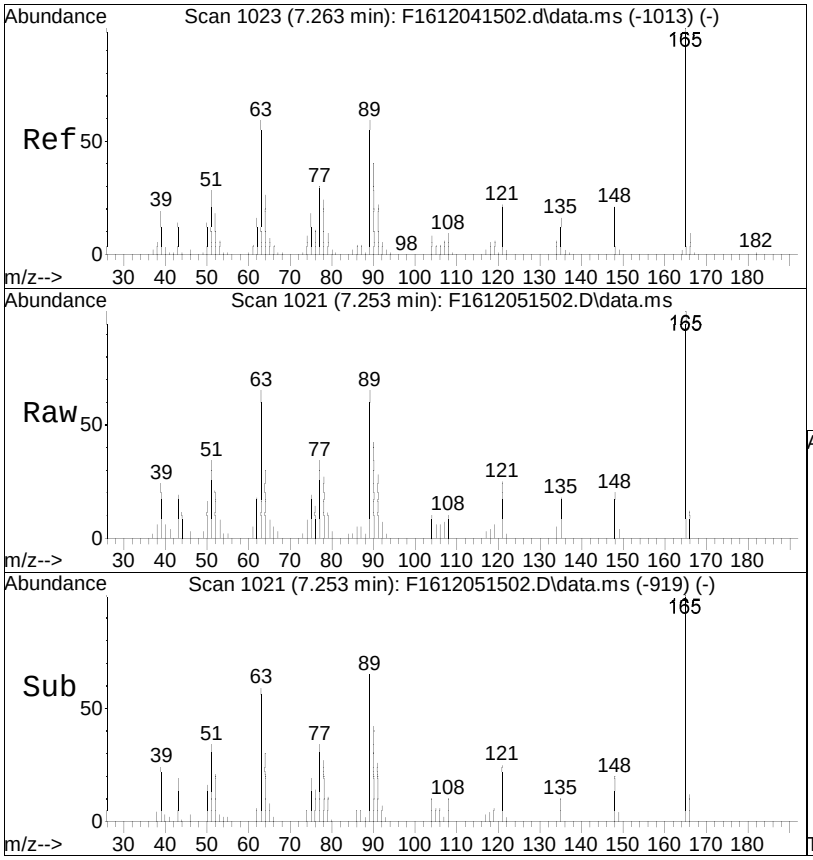


#48
Dimethylphthalate
Concen: 0.50 ug/mL
RT: 7.191 min Scan# 1008
Delta R.T. -0.009 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:163 Resp: 62336

Ion	Ratio	Lower	Upper
163	100		
194	6.0	5.0	7.6
164	9.9	8.0	12.0

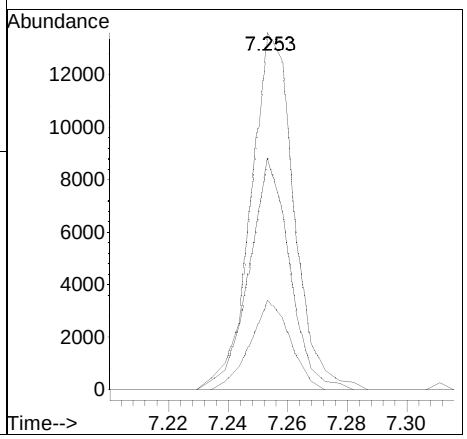


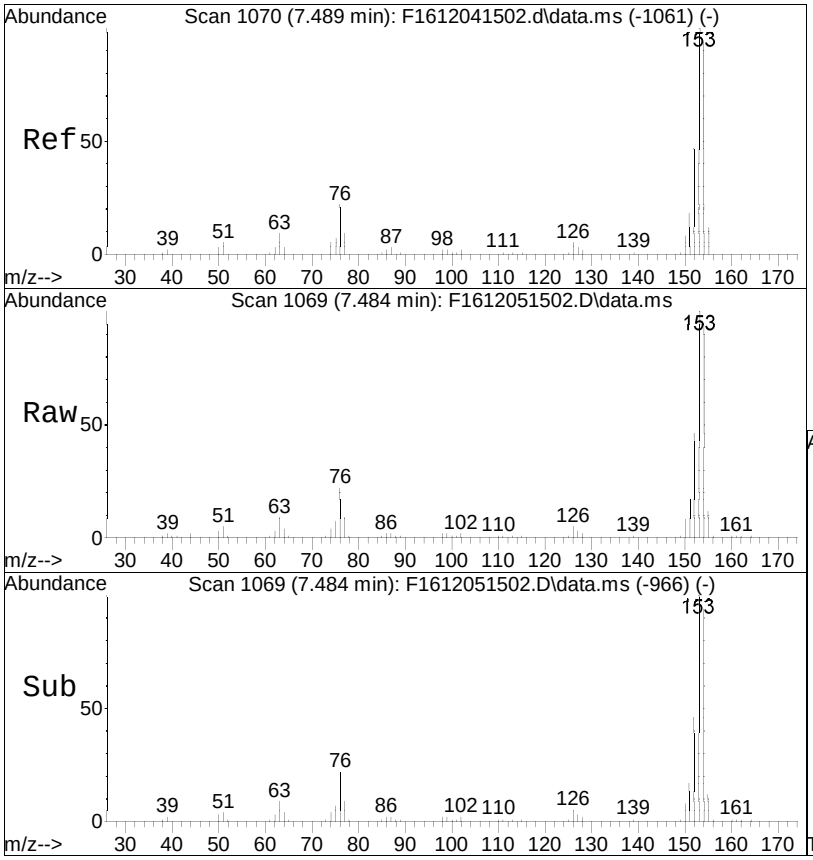


#49
2,6-Dinitrotoluene
Concen: 0.46 ug/mL
RT: 7.253 min Scan# 1021
Delta R.T. -0.010 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:165 Resp: 13617

Ion	Ratio	Lower	Upper
165	100		
89	61.3	45.3	67.9
121	23.4	16.6	24.8

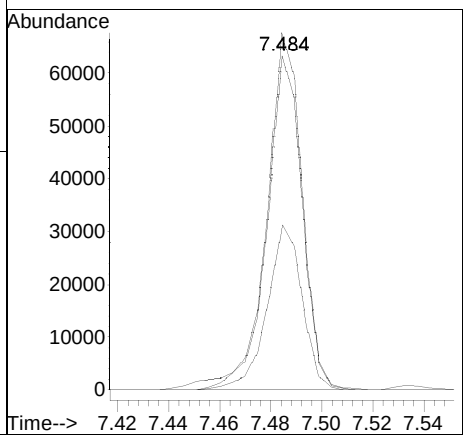


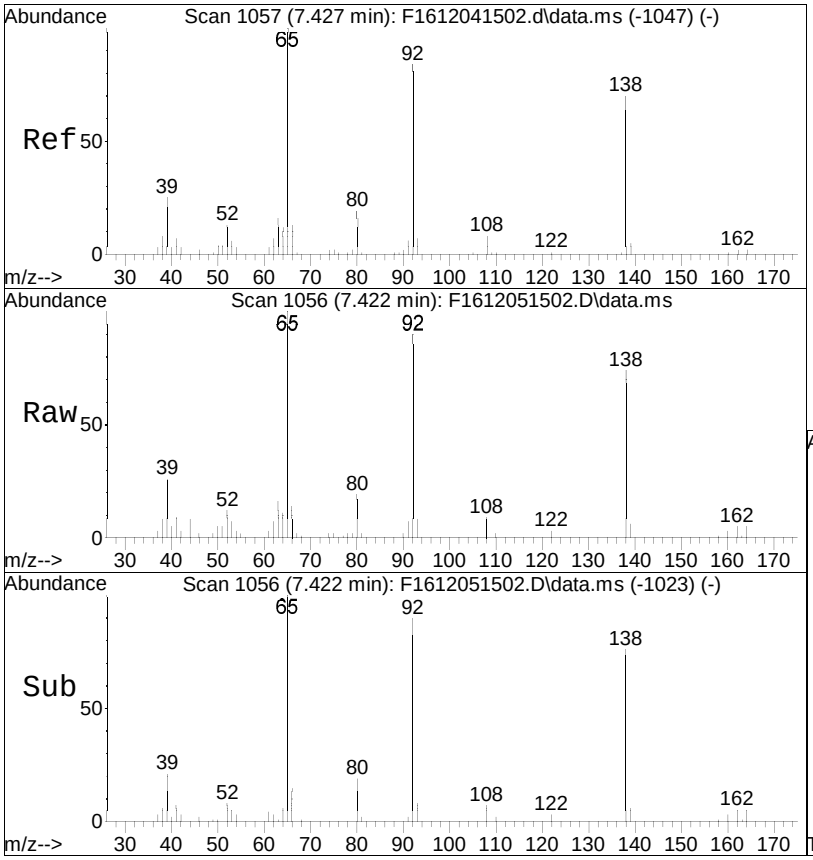


#50
Acenaphthene
Concen: 0.52 ug/mL
RT: 7.484 min Scan# 1069
Delta R.T. -0.005 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:153 Resp: 64682

Ion	Ratio	Lower	Upper
153	100		
154	95.6	77.2	115.8
152	46.3	37.9	56.9

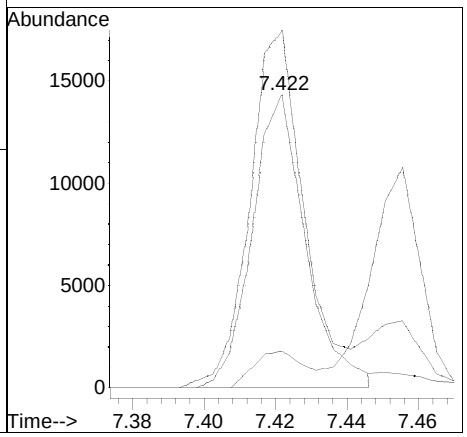


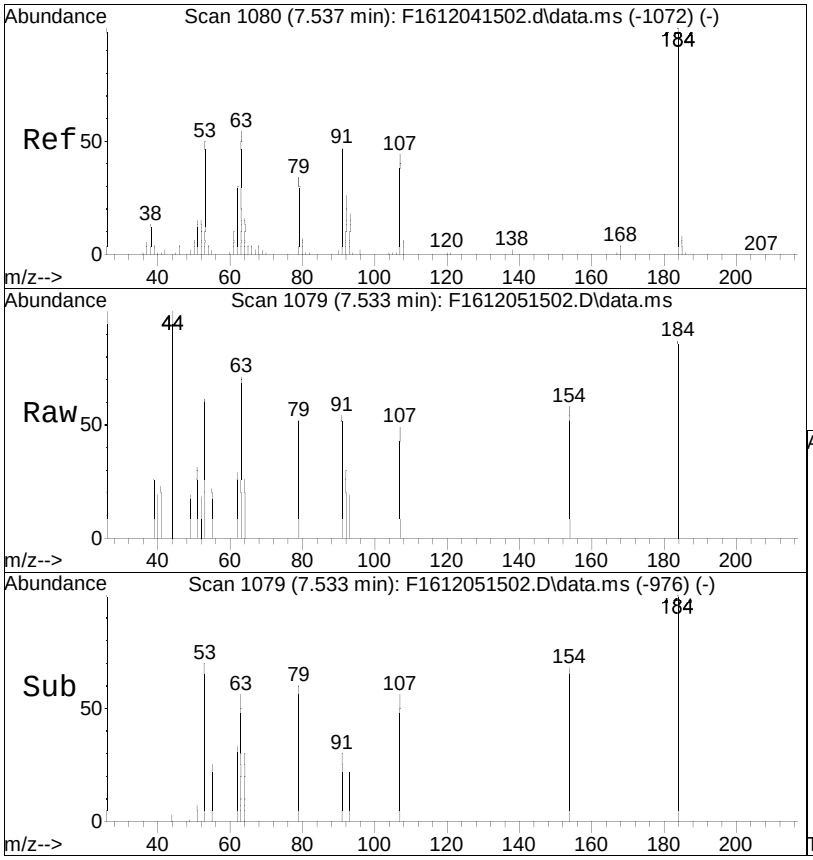


#51
3-Nitroaniline
Concen: 0.43 ug/mL
RT: 7.422 min Scan# 1056
Delta R.T. -0.005 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:138 Resp: 14910

Ion	Ratio	Lower	Upper
138	100		
108	12.3	8.6	12.8
92	123.8	86.3	129.5

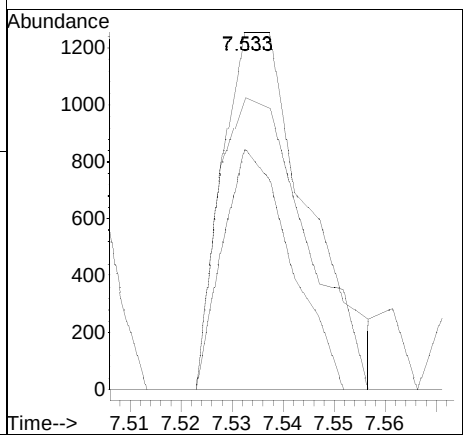


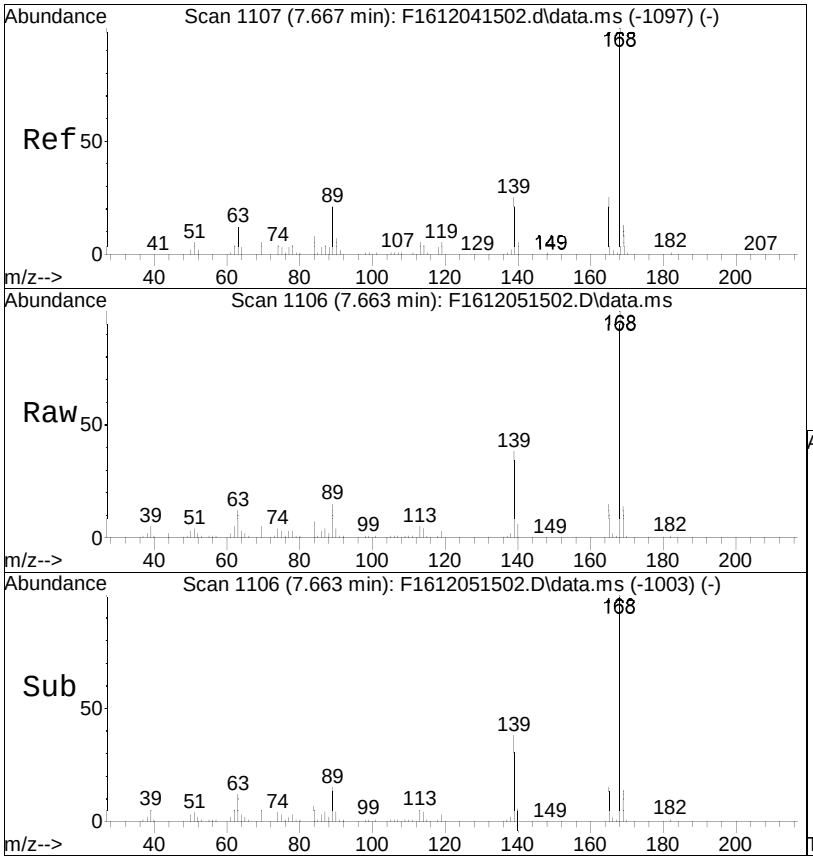


#52
2,4-Dinitrophenol
Concen: 0.88 ug/mL
RT: 7.533 min Scan# 1079
Delta R.T. -0.004 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:184 Resp: 1480

Ion	Ratio	Lower	Upper
184	100		
63	81.4	46.0	69.0#
154	53.0	42.5	63.7

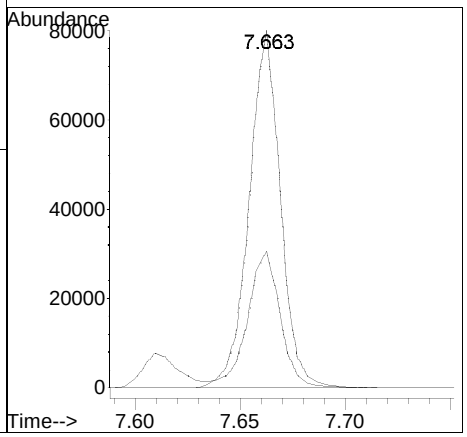


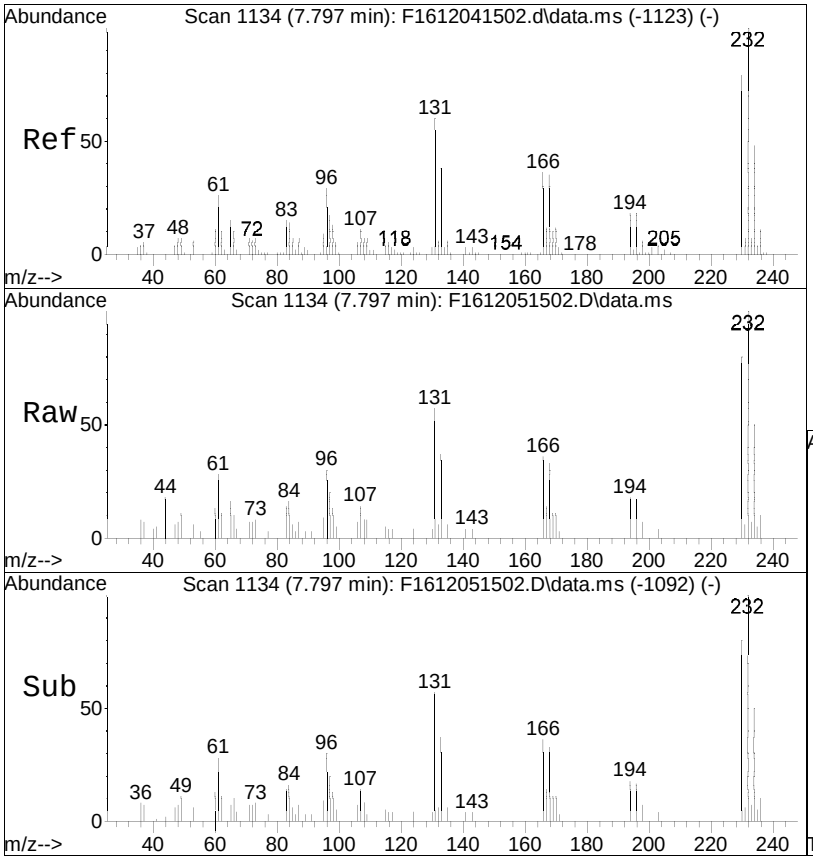


#53
Dibenzofuran
Concen: 0.51 ug/mL
RT: 7.663 min Scan# 1106
Delta R.T. -0.004 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:168 Resp: 82289

Ion	Ratio	Lower	Upper
168	100		
139	40.4	30.2	45.4

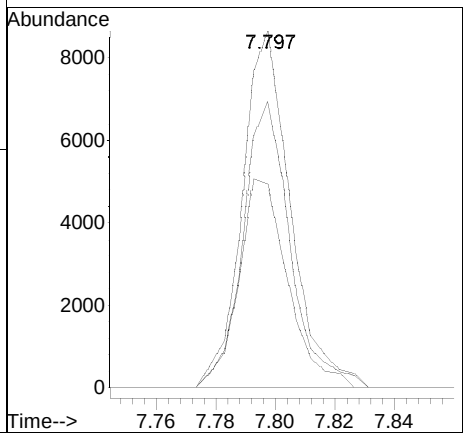


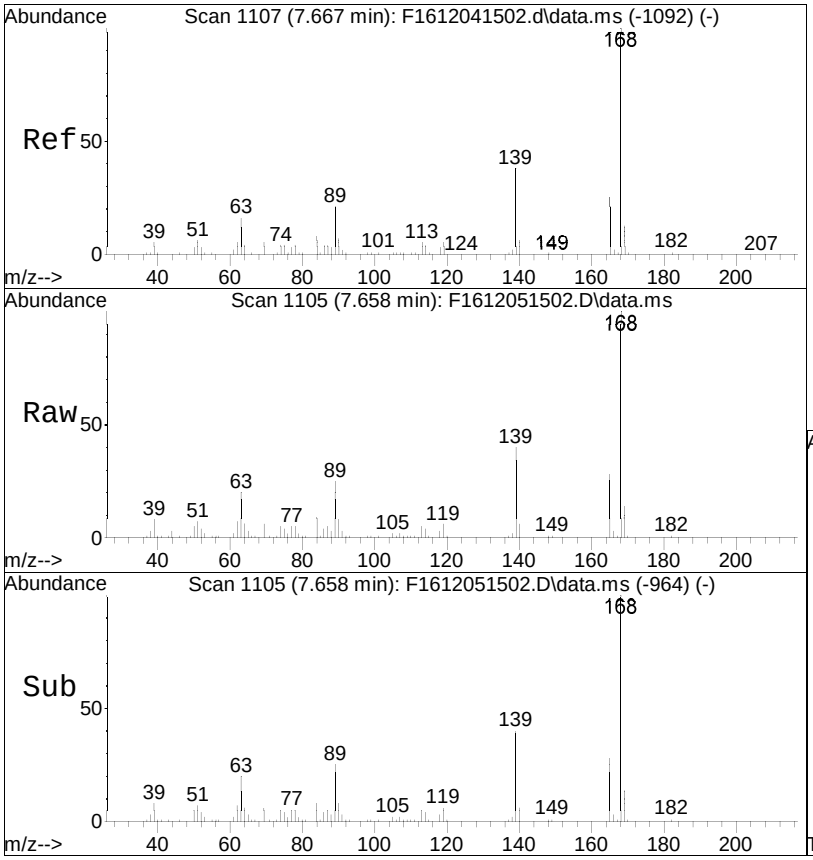


#54
2,3,4,6-Tetrachlorophenol
Concen: 0.41
RT: 7.797 min Scan# 1134
Delta R.T. 0.000 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:232 Resp: 9732

Ion	Ratio	Lower	Upper
232	100		
131	59.9	46.9	70.3
230	78.8	63.7	95.5

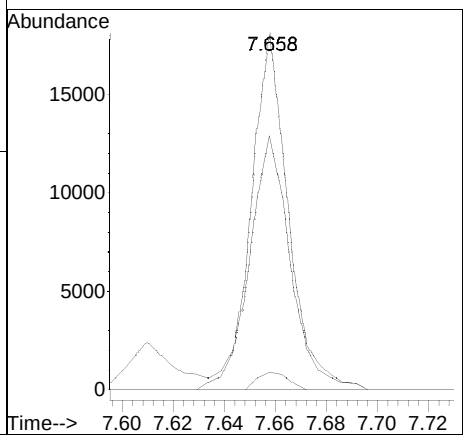


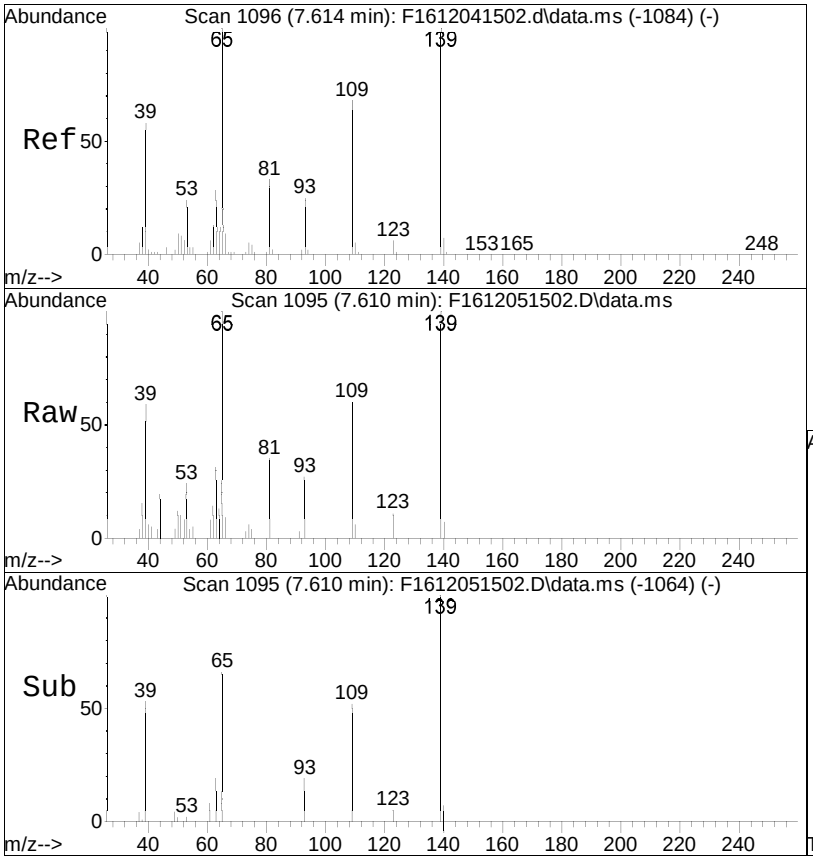


#55
2,4-Dinitrotoluene
Concen: 0.45 ug/mL
RT: 7.658 min Scan# 1105
Delta R.T. -0.009 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:165 Resp: 18183

Ion	Ratio	Lower	Upper
165	100		
63	78.3	33.0	49.6#
182	4.1	3.9	5.9

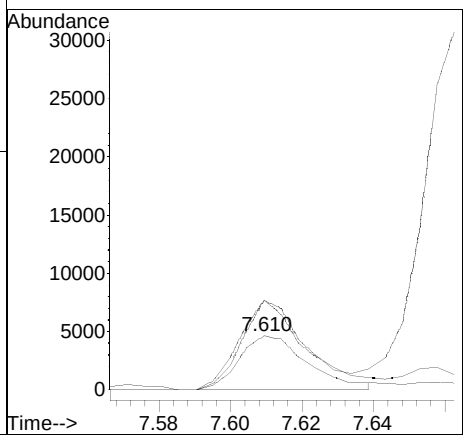


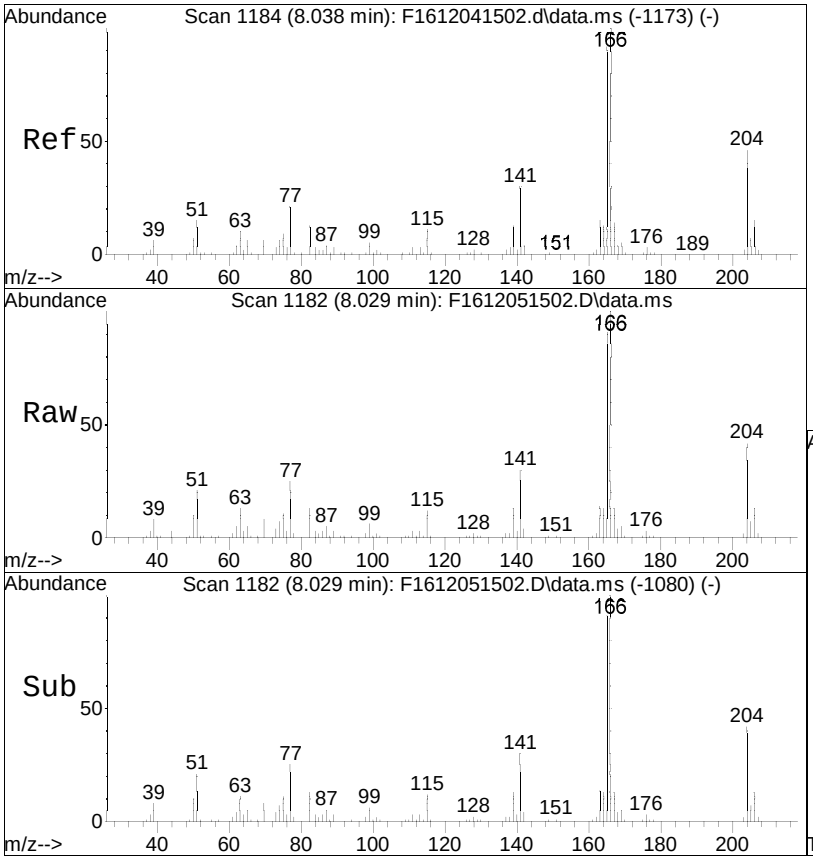


#56
4-Nitrophenol
Concen: 0.32 ug/mL
RT: 7.610 min Scan# 1095
Delta R.T. -0.004 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:109 Resp: 6160

Ion	Ratio	Lower	Upper
109	100		
139	153.3	117.7	176.5
65	164.9	106.1	159.1#

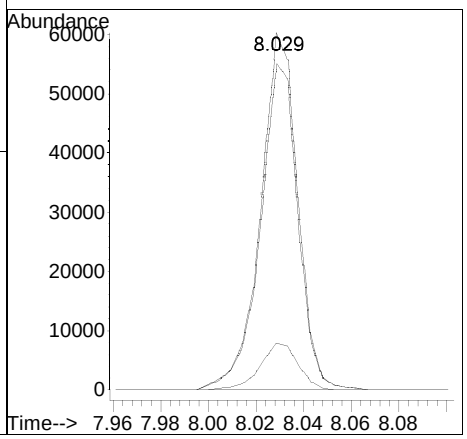


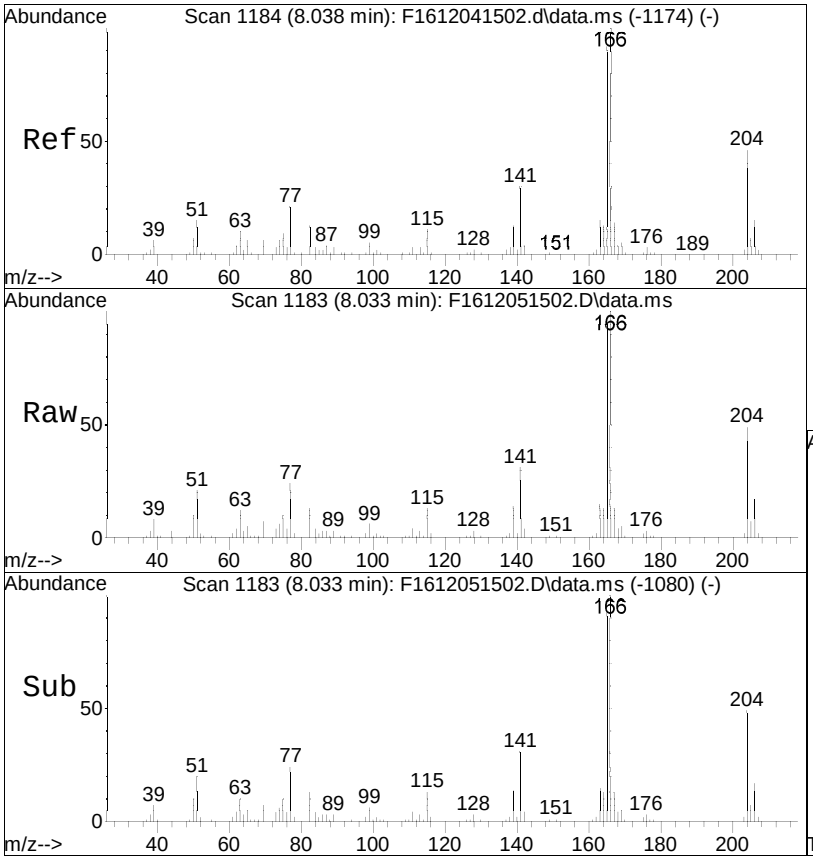


#57
Fluorene
Concen: 0.50 ug/mL
RT: 8.029 min Scan# 1182
Delta R.T. -0.009 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:166 Resp: 65401

Ion	Ratio	Lower	Upper
166	100		
165	92.1	72.0	108.0
167	13.3	10.6	15.8

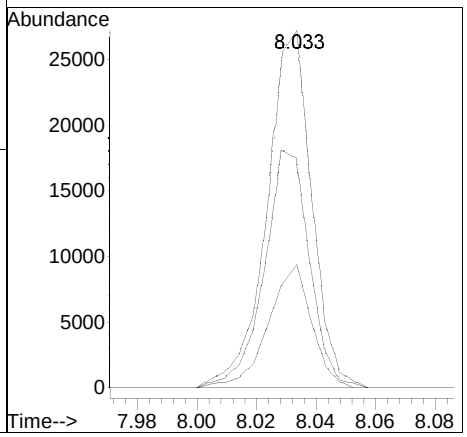


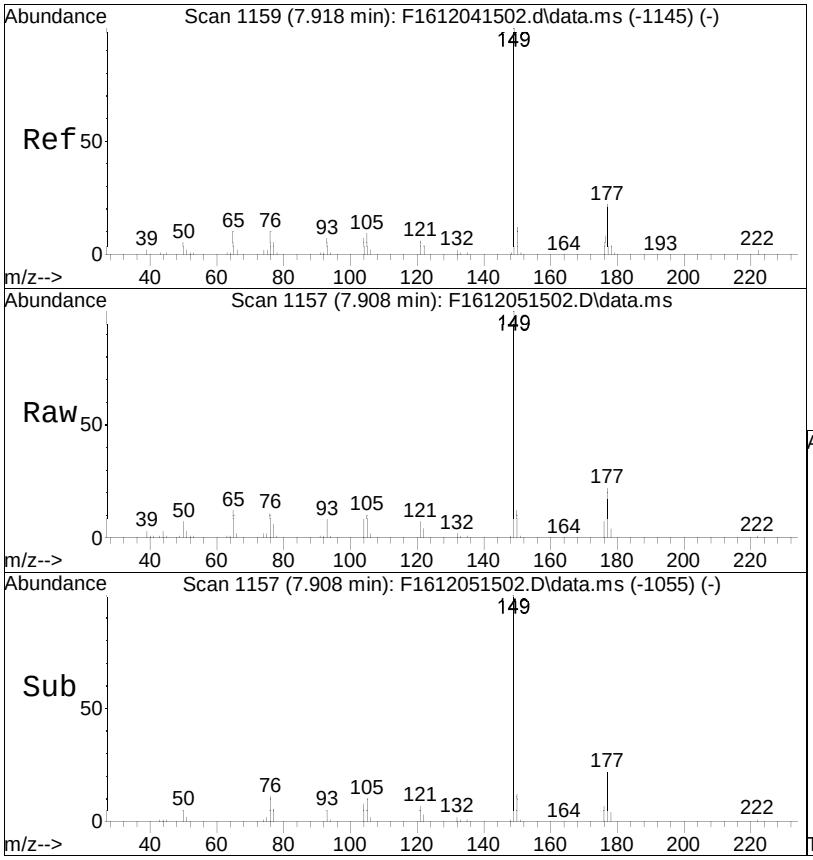


#58
4-Chlorophenyl-phenylether
Concen: 0.50 ug/mL
RT: 8.033 min Scan# 1183
Delta R.T. -0.005 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:204 Resp: 28397

Ion	Ratio	Lower	Upper
204	100		
206	33.4	25.7	38.5
141	67.2	52.9	79.3

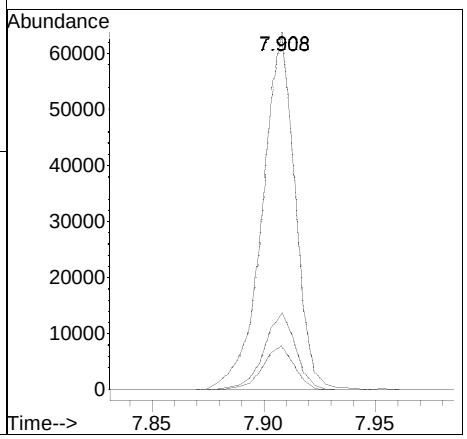


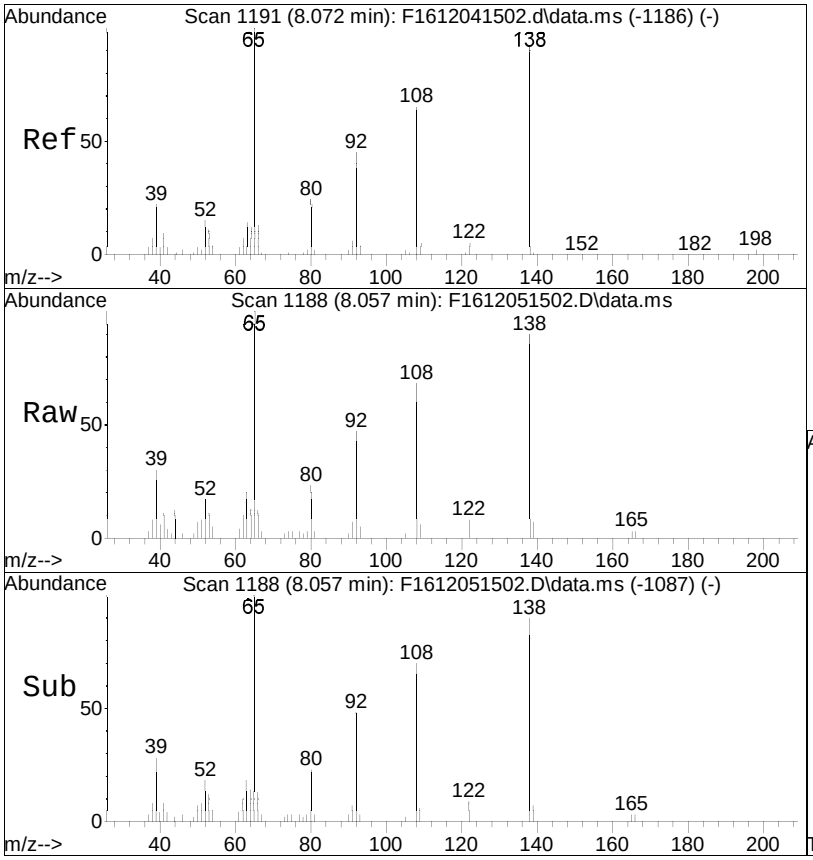


#59
Diethylphthalate
Concen: 0.48 ug/mL
RT: 7.908 min Scan# 1157
Delta R.T. -0.010 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:149 Resp: 64707

Ion	Ratio	Lower	Upper
149	100		
177	21.1	18.6	27.8
150	12.1	9.8	14.8

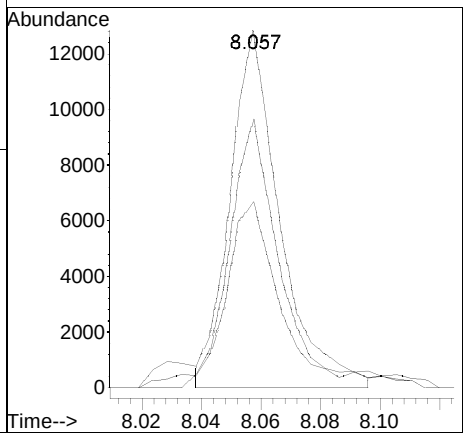


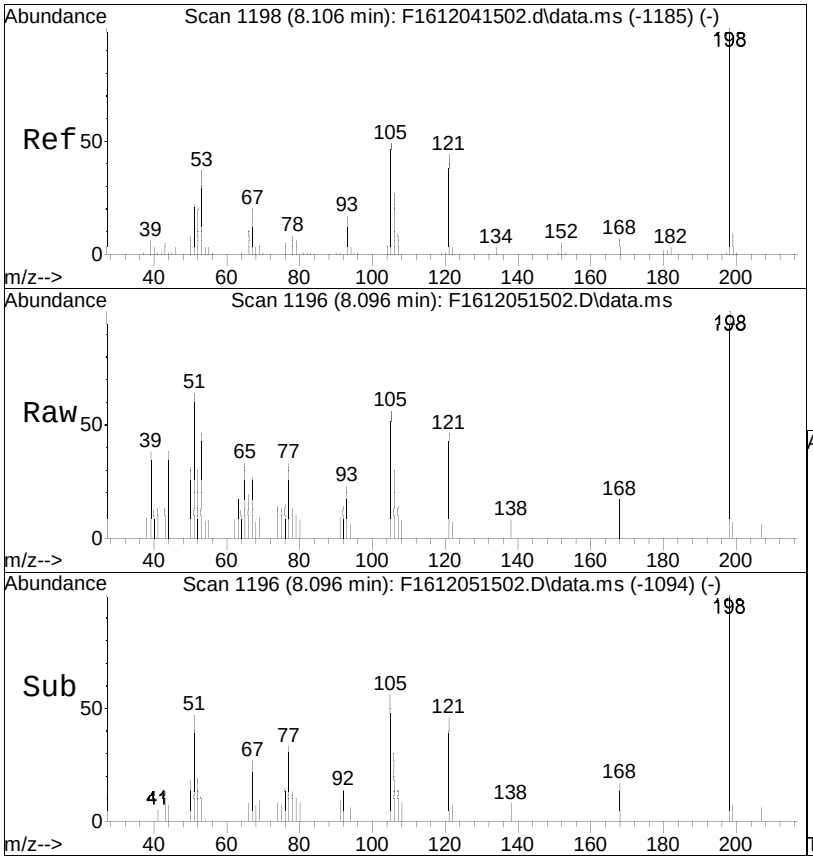


#60
4-Nitroaniline
Concen: 0.45 ug/mL
RT: 8.057 min Scan# 1188
Delta R.T. -0.015 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:138 Resp: 14868

Ion	Ratio	Lower	Upper
138	100		
92	53.3	37.7	56.5
108	77.5	57.6	86.4

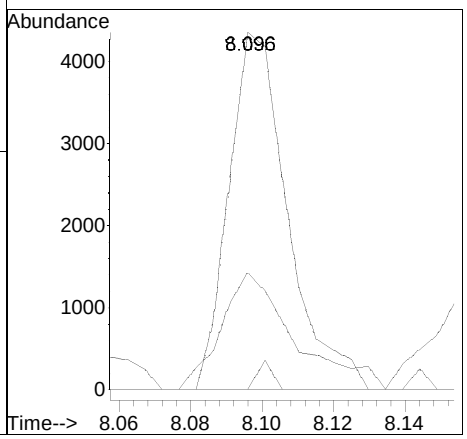


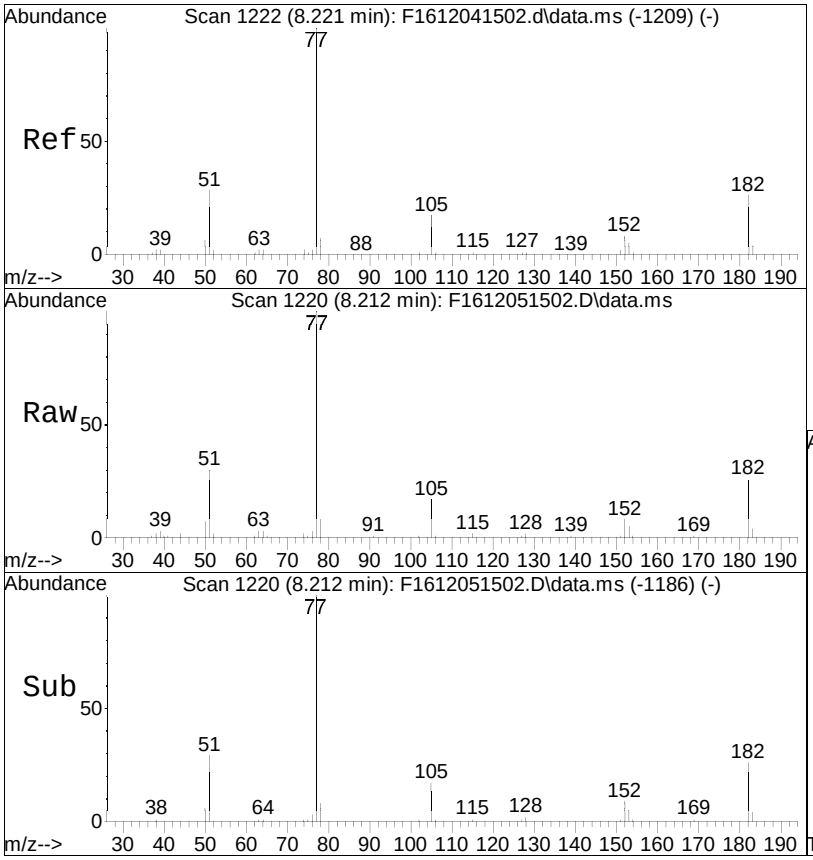


#62
4,6-Dinitro-2-methylphenol
Concen: 0.66 ug/mL
RT: 8.096 min Scan# 1196
Delta R.T. -0.010 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:198 Resp: 4969

Ion	Ratio	Lower	Upper
198	100		
182	0.0	0.0	0.0
77	39.3	0.0	0.0#

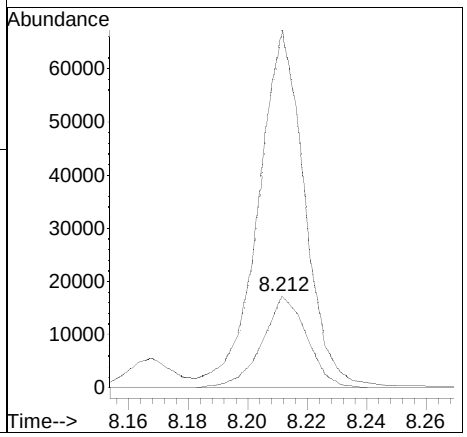


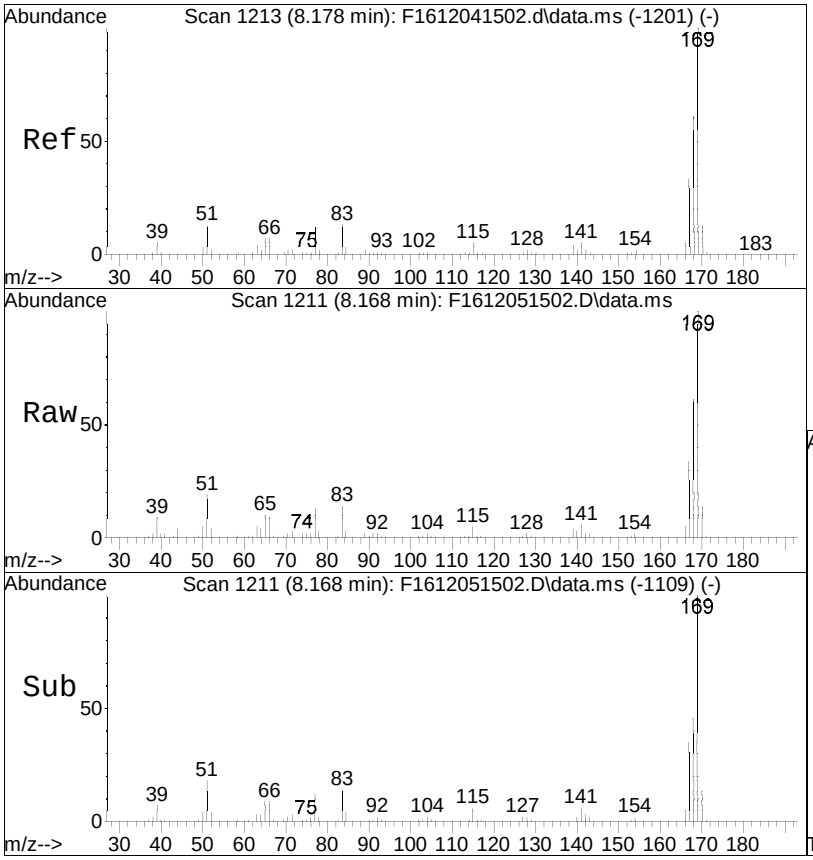


#63
Azobenzene
Concen: 0.47 ug/mL
RT: 8.212 min Scan# 1220
Delta R.T. -0.009 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:182 Resp: 17984

Ion	Ratio	Lower	Upper
182	100		
77	405.7	56.3	647.3

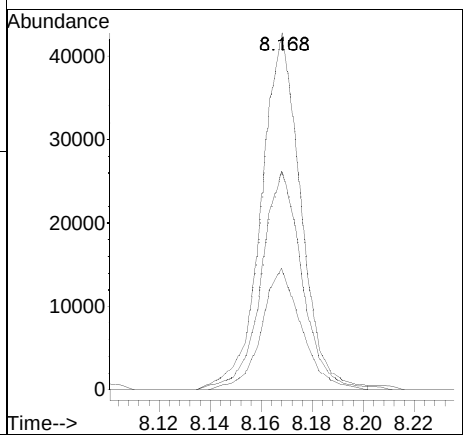


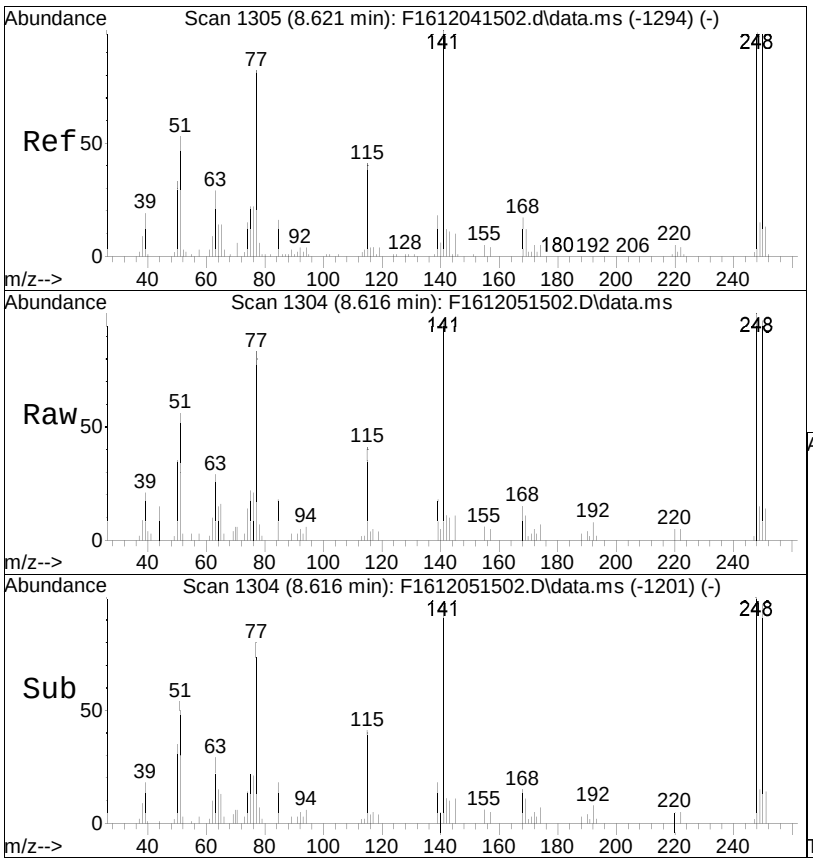


#64
n-Nitrosodiphenylamine
Concen: 0.48 ug/mL
RT: 8.168 min Scan# 1211
Delta R.T. -0.010 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:169 Resp: 45930

Ion	Ratio	Lower	Upper
169	100		
168	63.4	50.7	76.1
167	34.7	28.0	42.0

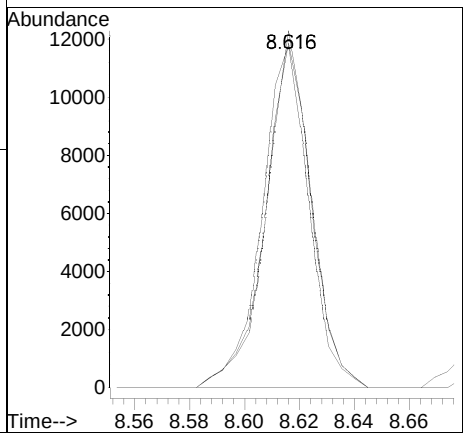


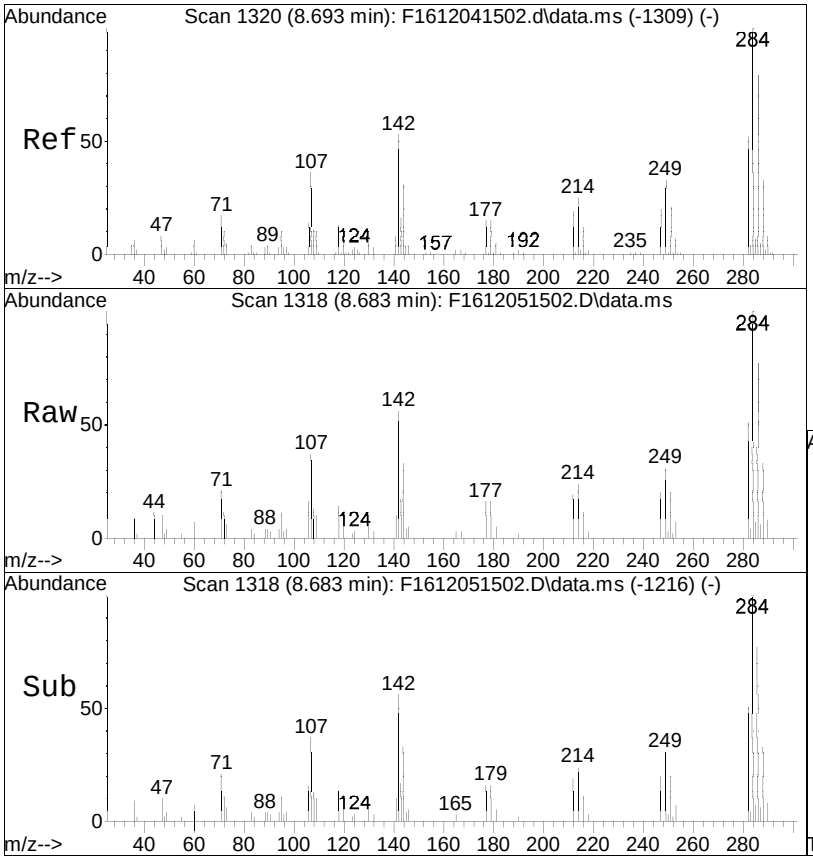


#66
4-Bromophenyl-phenylether
Concen: 0.48 ug/mL
RT: 8.616 min Scan# 1304
Delta R.T. -0.005 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:248 Resp: 13970

Ion	Ratio	Lower	Upper
248	100		
250	98.3	76.2	114.2
141	99.6	74.1	111.1

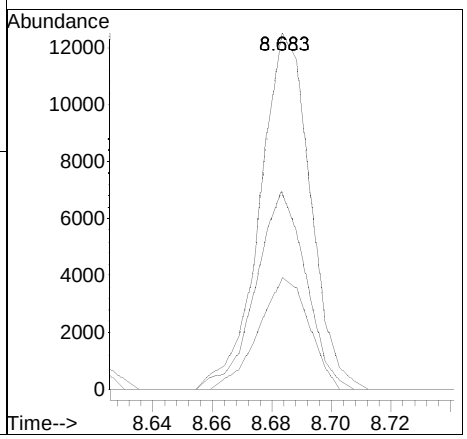


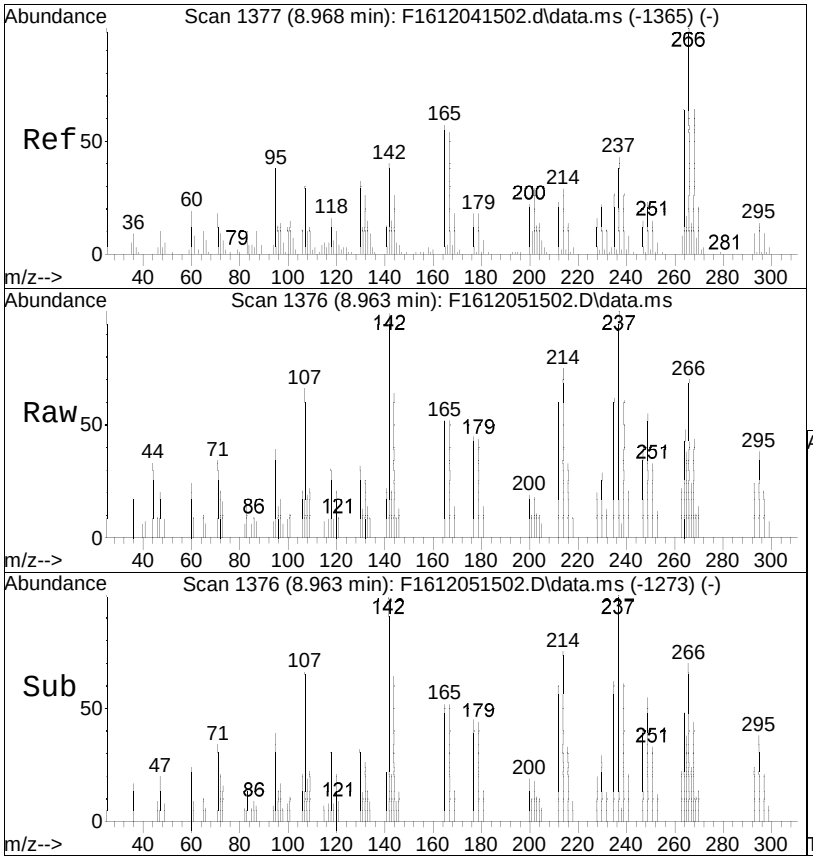


#67
Hexachlorobenzene
Concen: 0.51 ug/mL
RT: 8.683 min Scan# 1318
Delta R.T. -0.010 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:284 Resp: 14726

Ion	Ratio	Lower	Upper
284	100		
142	55.5	41.2	61.8
249	31.5	25.4	38.0

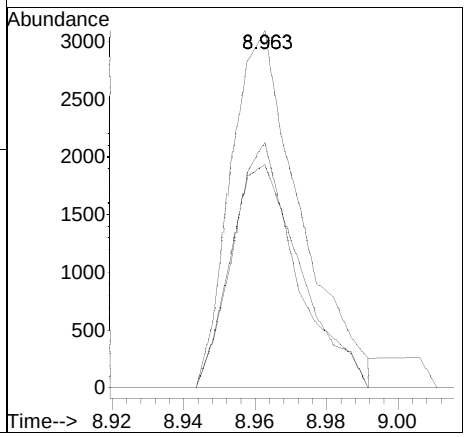


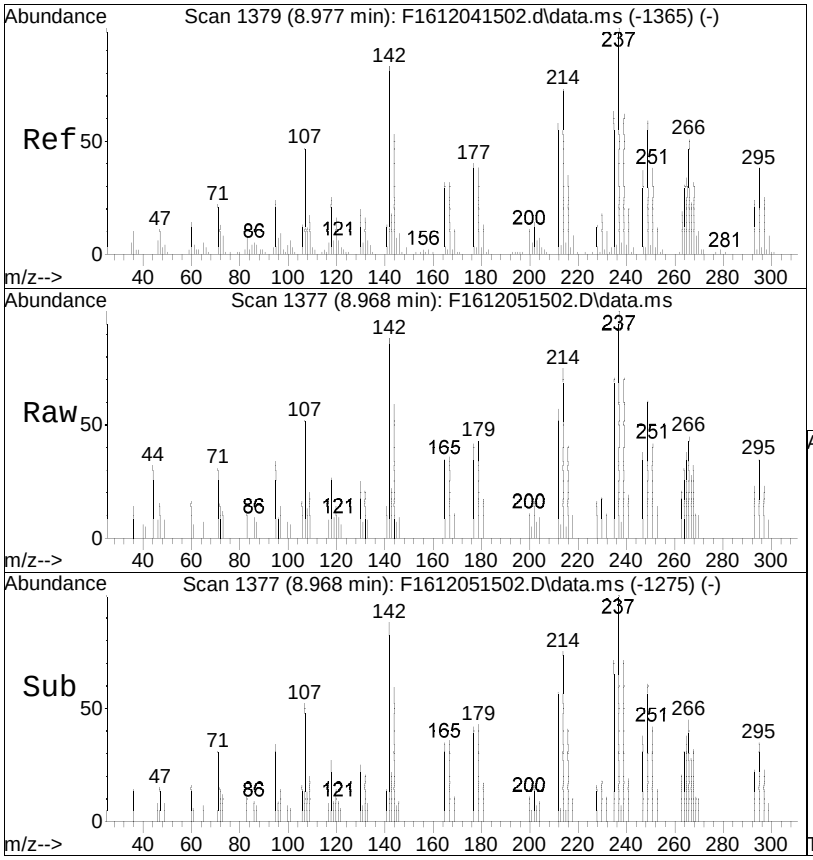


#69
Pentachlorophenol
Concen: 0.80 ug/mL
RT: 8.963 min Scan# 1376
Delta R.T. -0.005 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:266 Resp: 4190

Ion	Ratio	Lower	Upper
266	100		
264	64.6	50.2	75.4
268	61.8	49.4	74.0

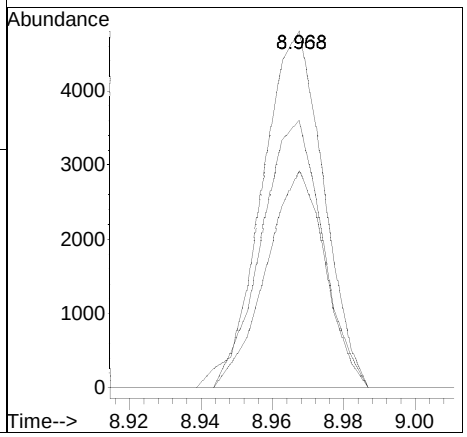


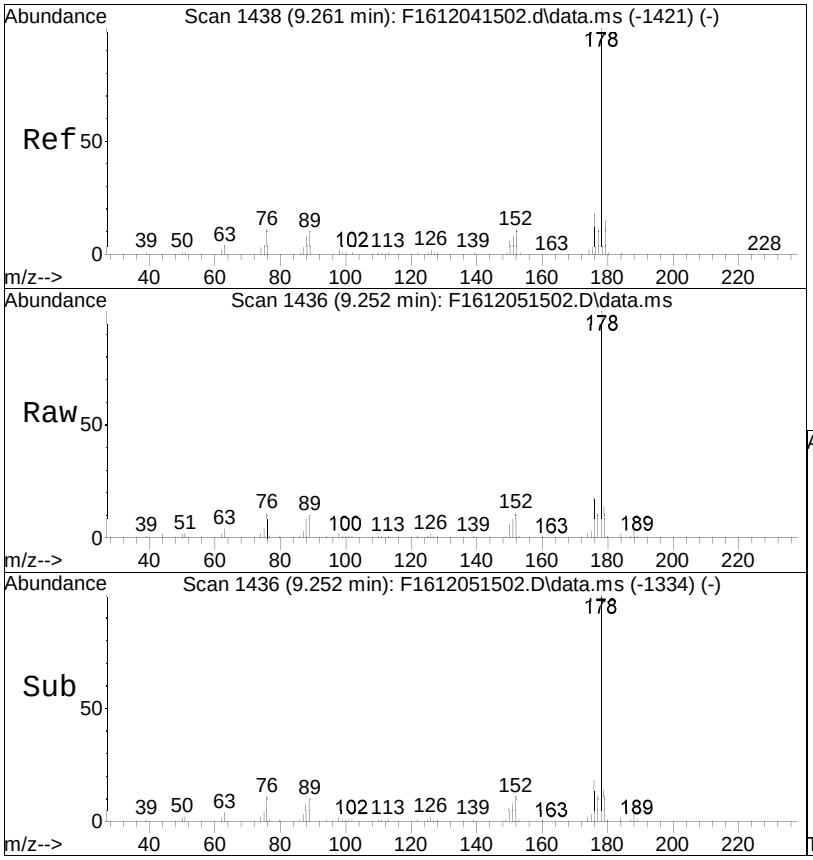


#70
Pentachloronitrobenzene
Concen: 0.40 ug/ml
RT: 8.968 min Scan# 1377
Delta R.T. -0.009 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:237 Resp: 5755

Ion	Ratio	Lower	Upper
237	100		
214	74.0	59.4	89.2
249	58.4	46.4	69.6

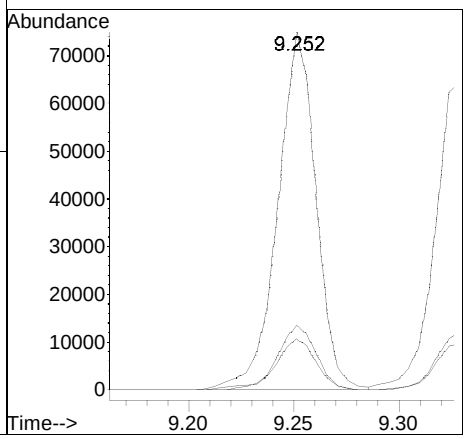


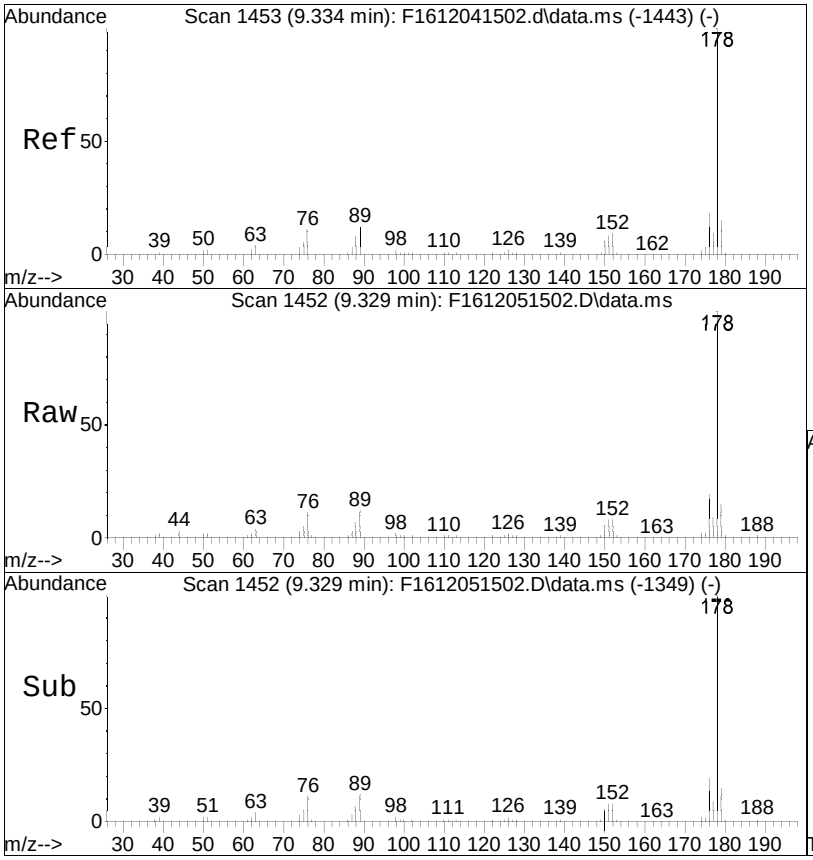


#71
Phenanthrene
Concen: 0.50 ug/mL
RT: 9.252 min Scan# 1436
Delta R.T. -0.009 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:178 Resp: 94615

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.2
176	18.2	15.1	22.7

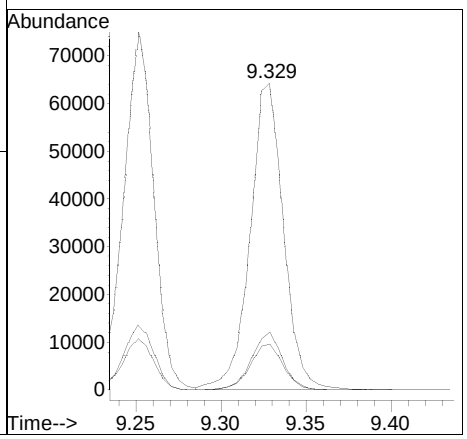


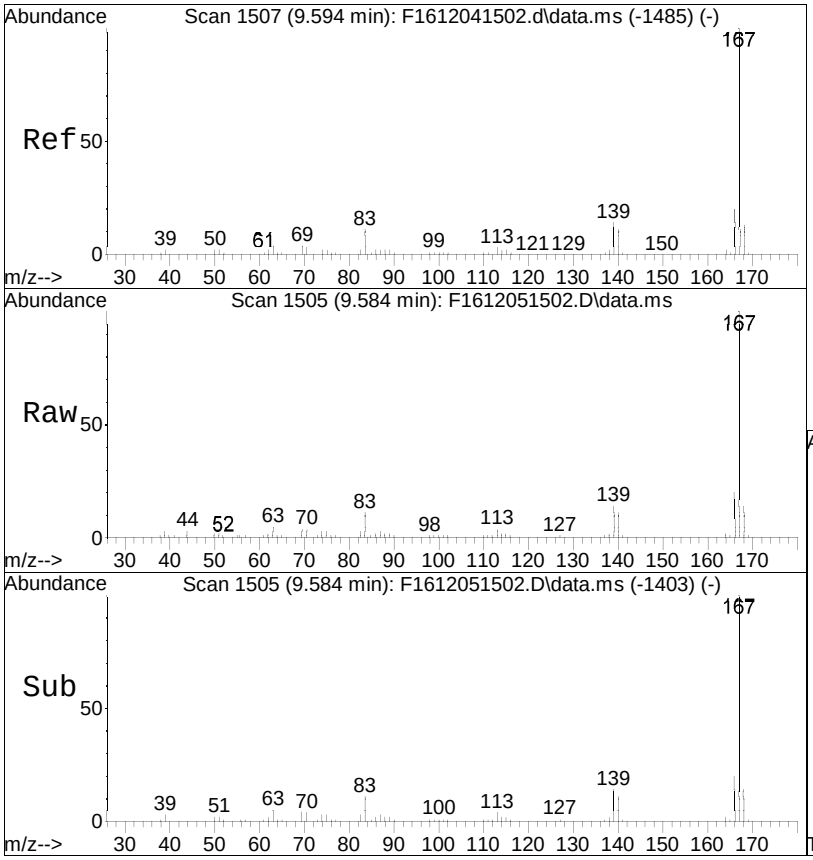


#72
Anthracene
Concen: 0.47 ug/mL
RT: 9.329 min Scan# 1452
Delta R.T. -0.005 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:178 Resp: 87775

Ion	Ratio	Lower	Upper
178	100		
179	15.0	11.8	17.6
176	17.8	14.2	21.4

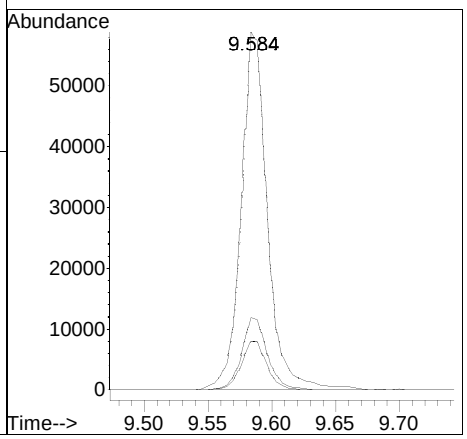


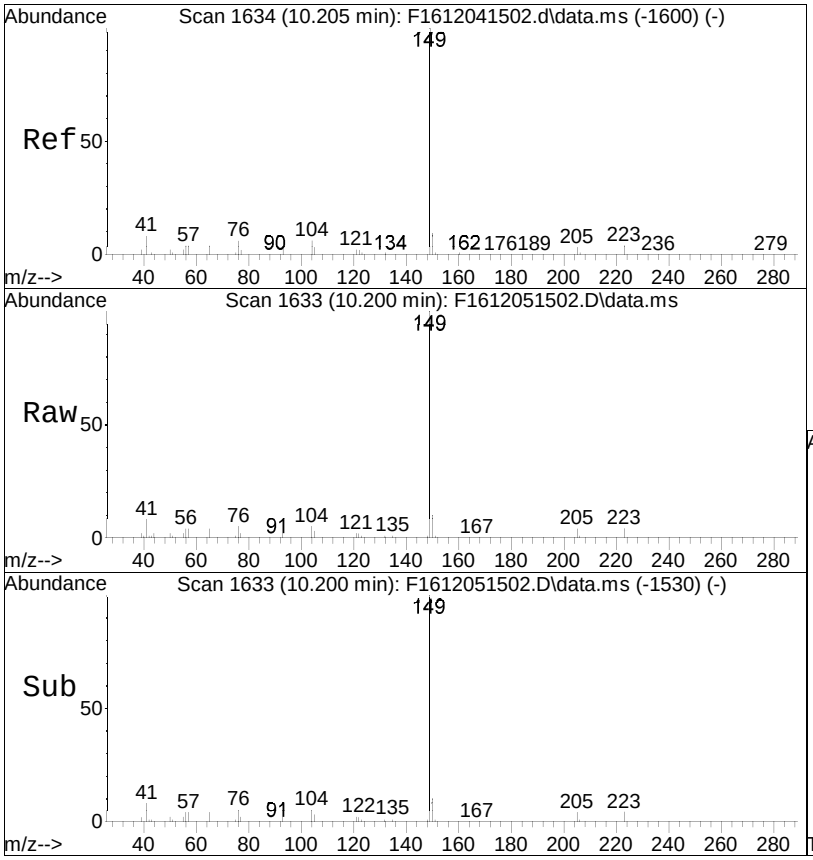


#73
Carbazole
Concen: 0.46 ug/mL
RT: 9.584 min Scan# 1505
Delta R.T. -0.010 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:167 Resp: 83485

Ion	Ratio	Lower	Upper
167	100		
139	13.6	10.2	15.2
166	20.0	16.1	24.1

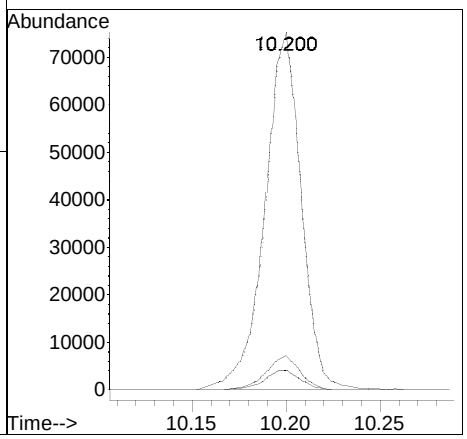


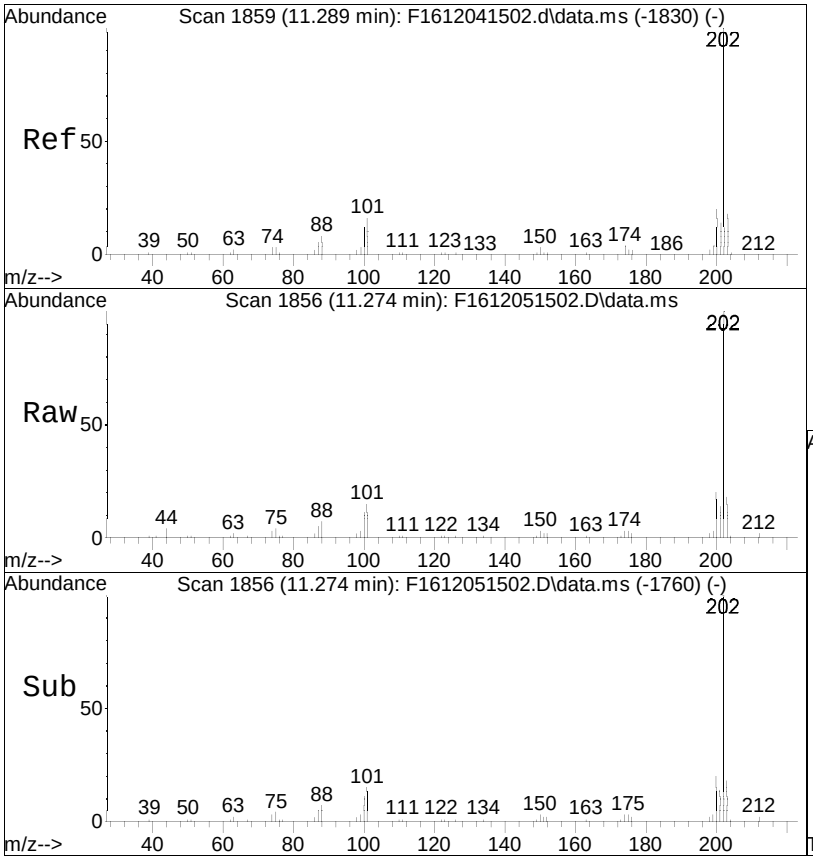


#74
Di-n-butylphthalate
Concen: 0.45 ug/mL
RT: 10.200 min Scan# 1633
Delta R.T. -0.005 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:149 Resp: 100270

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.0	10.4
104	5.4	3.9	5.9

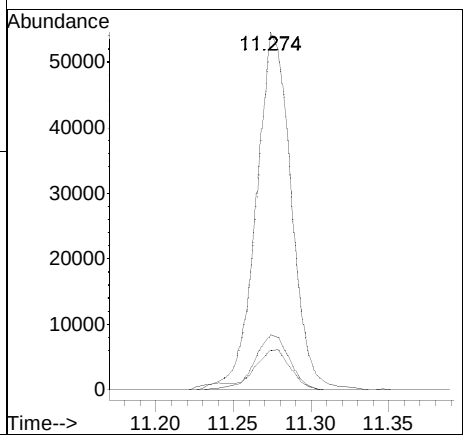


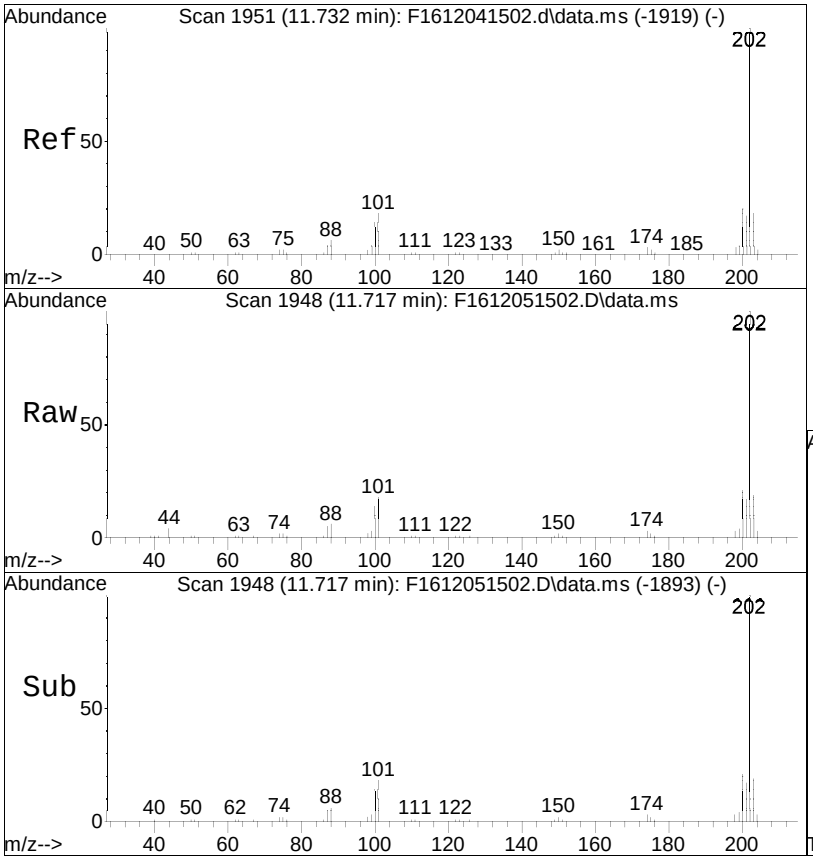


#75
Fluoranthene
Concen: 0.45 ug/mL
RT: 11.274 min Scan# 1856
Delta R.T. -0.015 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:202 Resp: 84850

Ion	Ratio	Lower	Upper
202	100		
101	15.5	10.3	15.5
100	11.3	7.5	11.3#

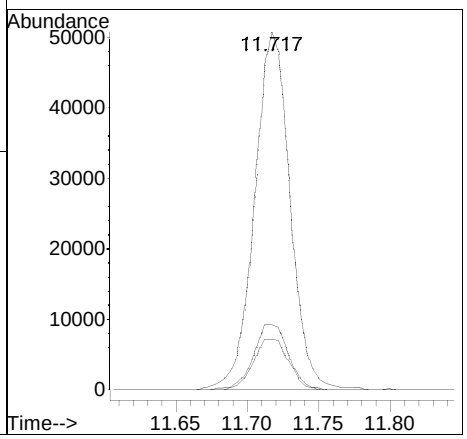


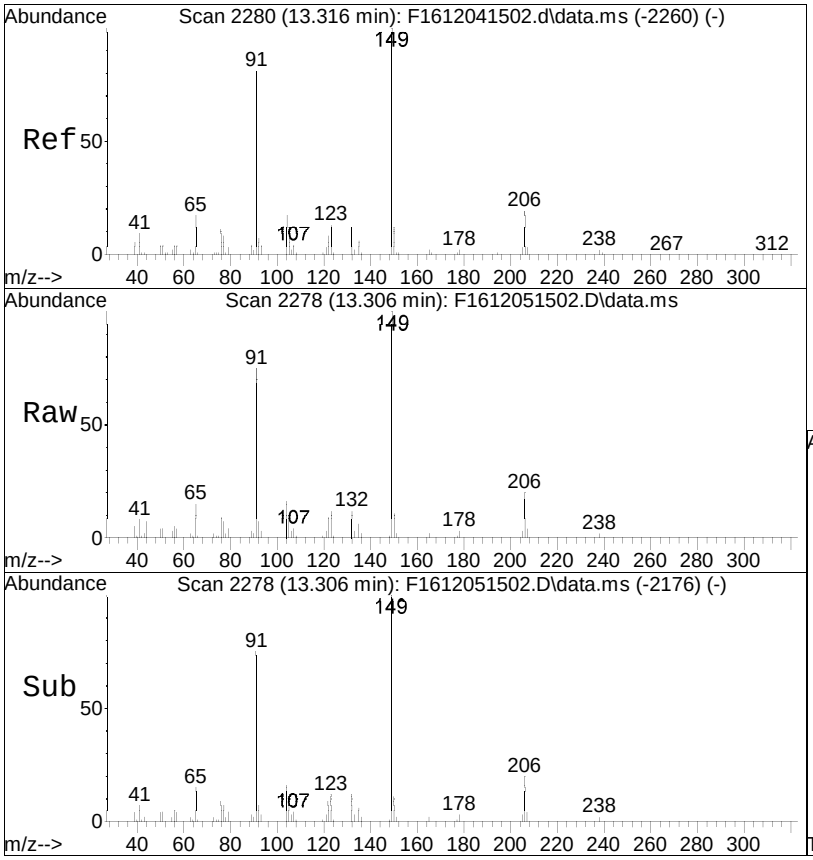


#78
Pyrene
Concen: 0.45 ug/mL
RT: 11.717 min Scan# 1948
Delta R.T. -0.015 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:202 Resp: 87016

Ion	Ratio	Lower	Upper
202	100		
101	18.2	12.0	18.0#
100	14.2	9.3	13.9#

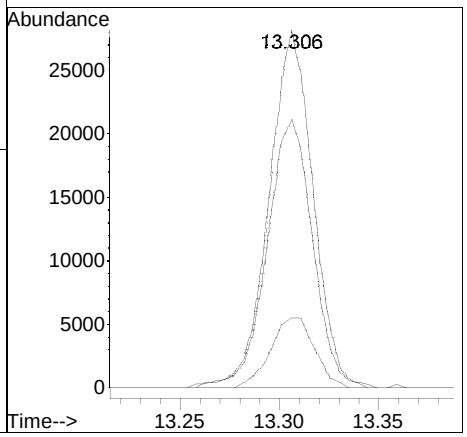


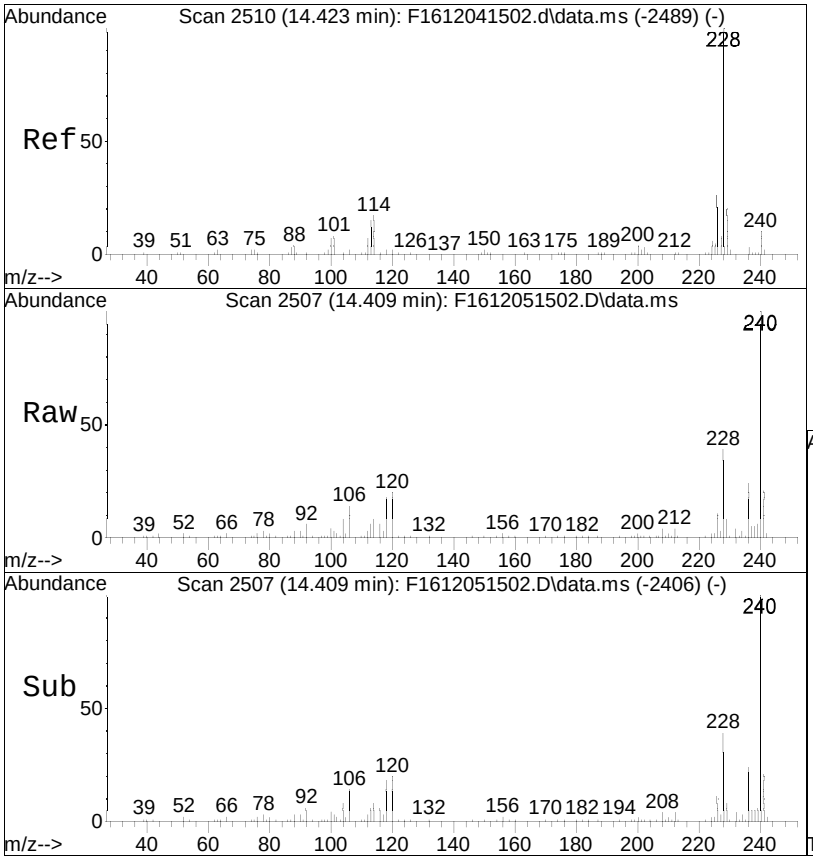


#80
Butylbenzylphthalate
Concen: 0.42 ug/mL
RT: 13.306 min Scan# 2278
Delta R.T. -0.010 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:149 Resp: 43076

Ion	Ratio	Lower	Upper
149	100		
91	78.1	57.8	86.6
206	19.8	18.3	27.5

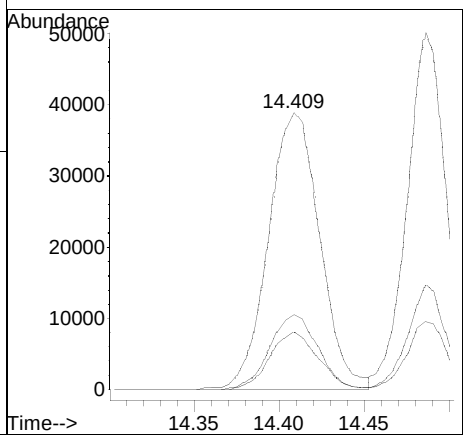


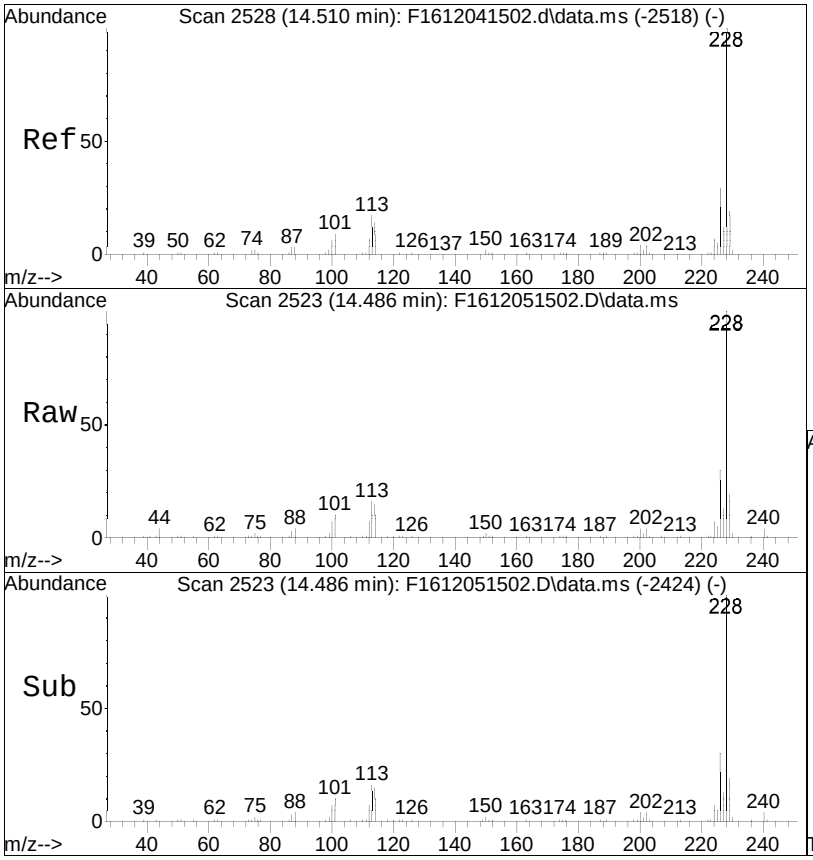


#82
Benz[a]anthracene
Concen: 0.48 ug/mL
RT: 14.409 min Scan# 2507
Delta R.T. -0.014 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:228 Resp: 81710

Ion	Ratio	Lower	Upper
228	100		
229	19.9	16.1	24.1
226	25.7	21.3	31.9

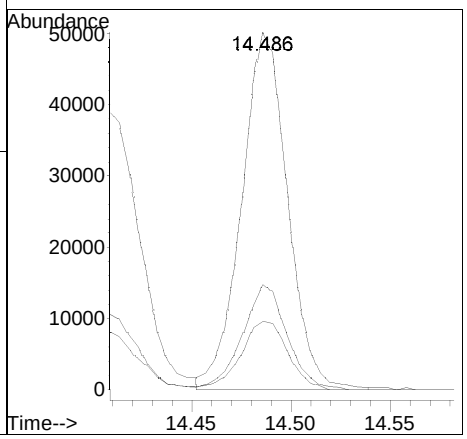


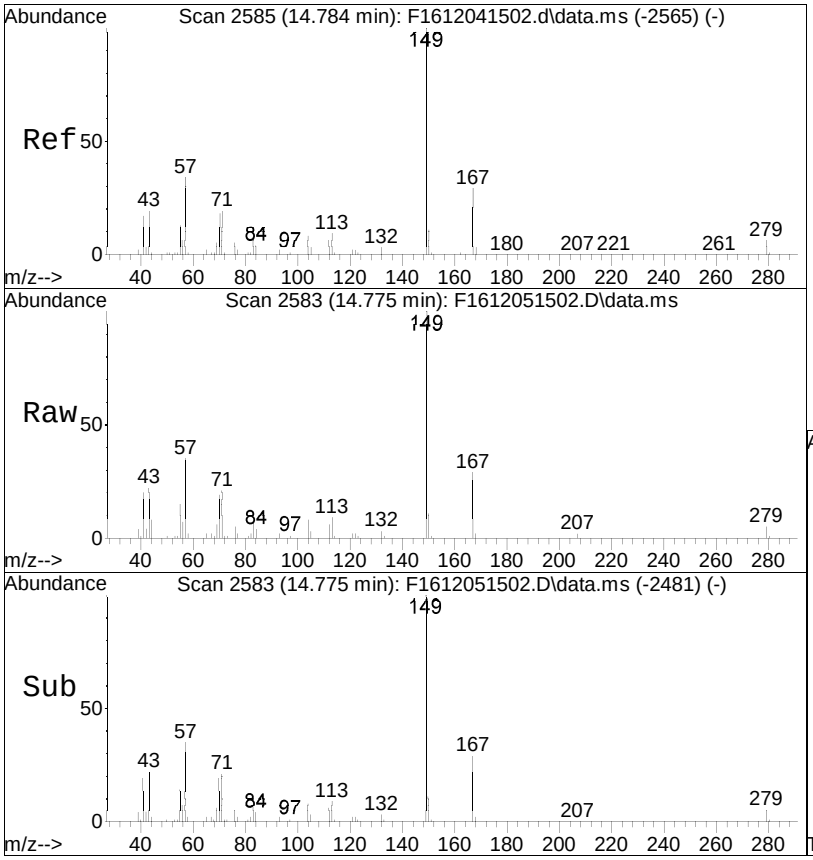


#83
Chrysene
Concen: 0.50 ug/mL M4
RT: 14.486 min Scan# 2523
Delta R.T. -0.024 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:228 Resp: 80856

Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.6	35.4
229	19.6	15.4	23.0

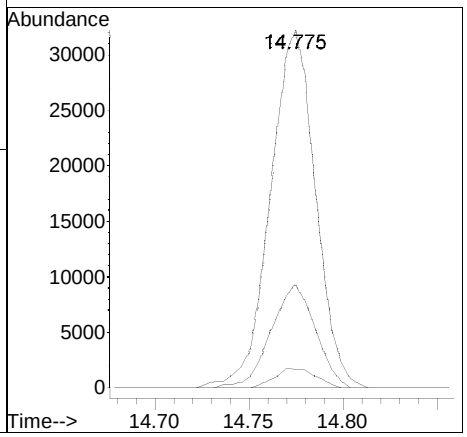


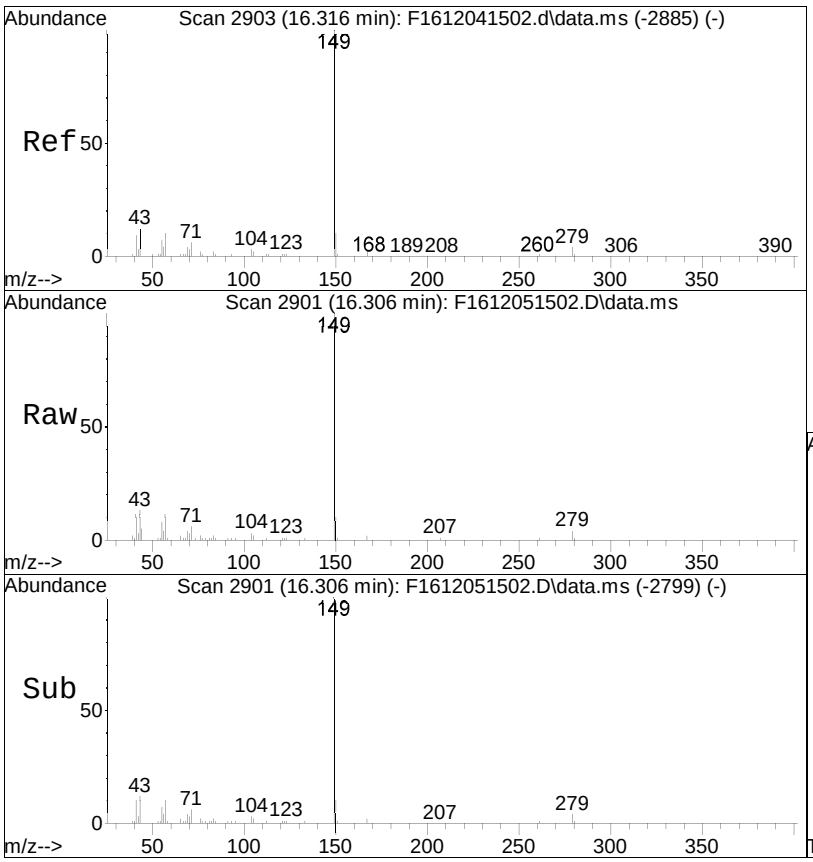


#84
bis(2-Ethylhexyl)phthalate
Concen: 0.40 ug/mL
RT: 14.775 min Scan# 2583
Delta R.T. -0.009 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:149 Resp: 53315

Ion	Ratio	Lower	Upper
149	100		
167	28.5	26.2	39.4
279	5.0	5.2	7.8#

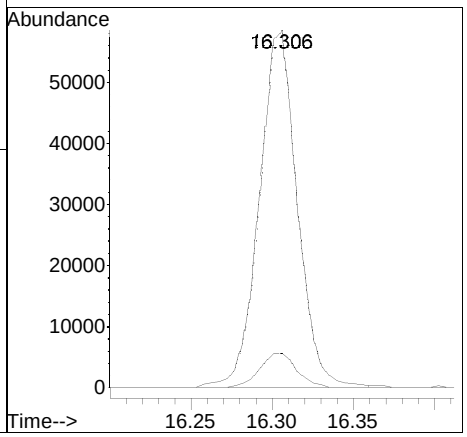


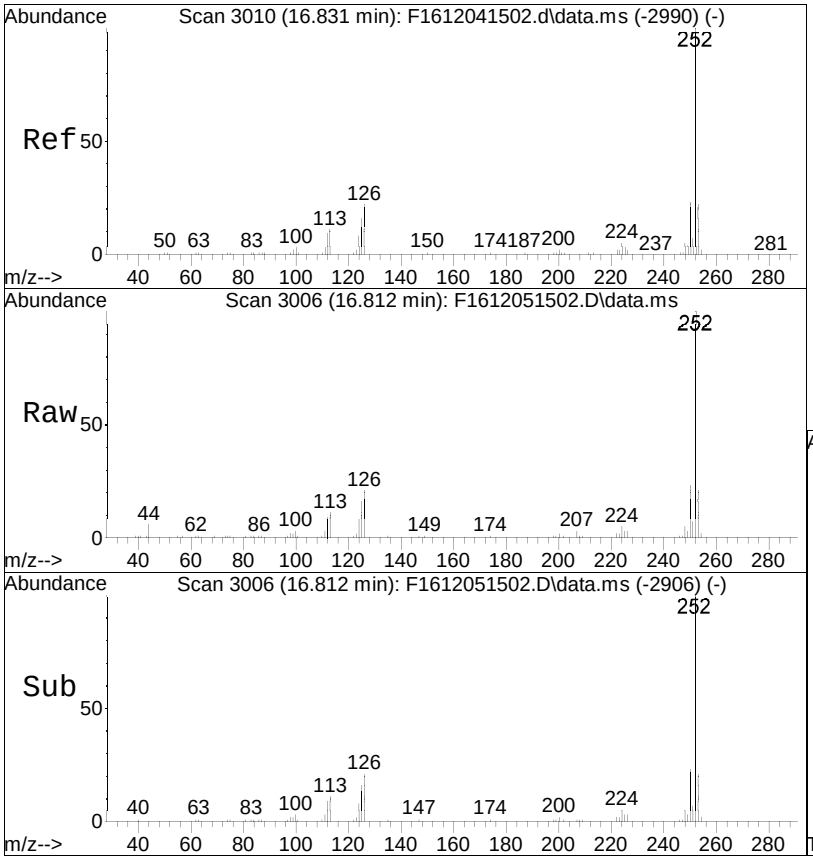


#86
Di-n-octylphthalate
Concen: 0.38 ug/mL
RT: 16.306 min Scan# 2901
Delta R.T. -0.010 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:149 Resp: 93907

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.9	11.9

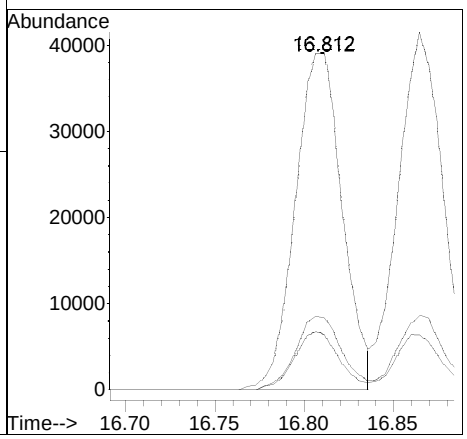


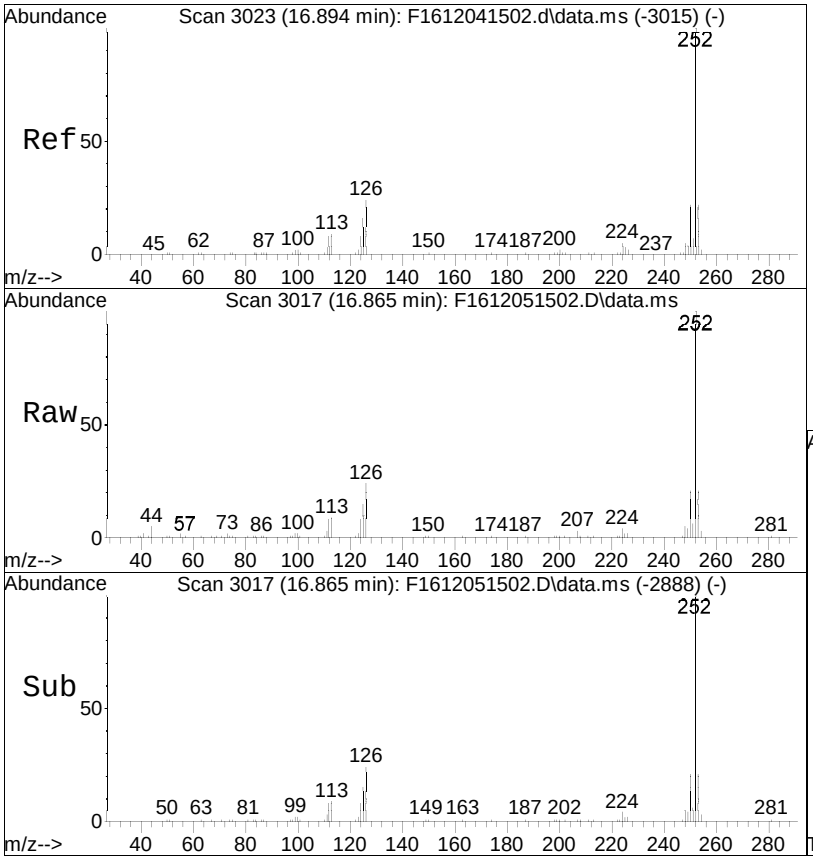


#87
Benzo[b]fluoranthene
Concen: 0.44 ug/mL M3
RT: 16.812 min Scan# 3006
Delta R.T. -0.019 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:252 Resp: 71335

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	16.2	10.6	16.0#

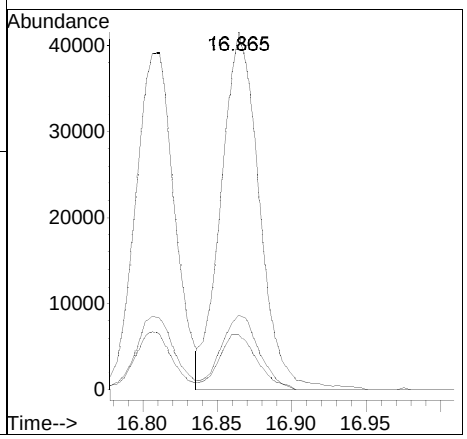


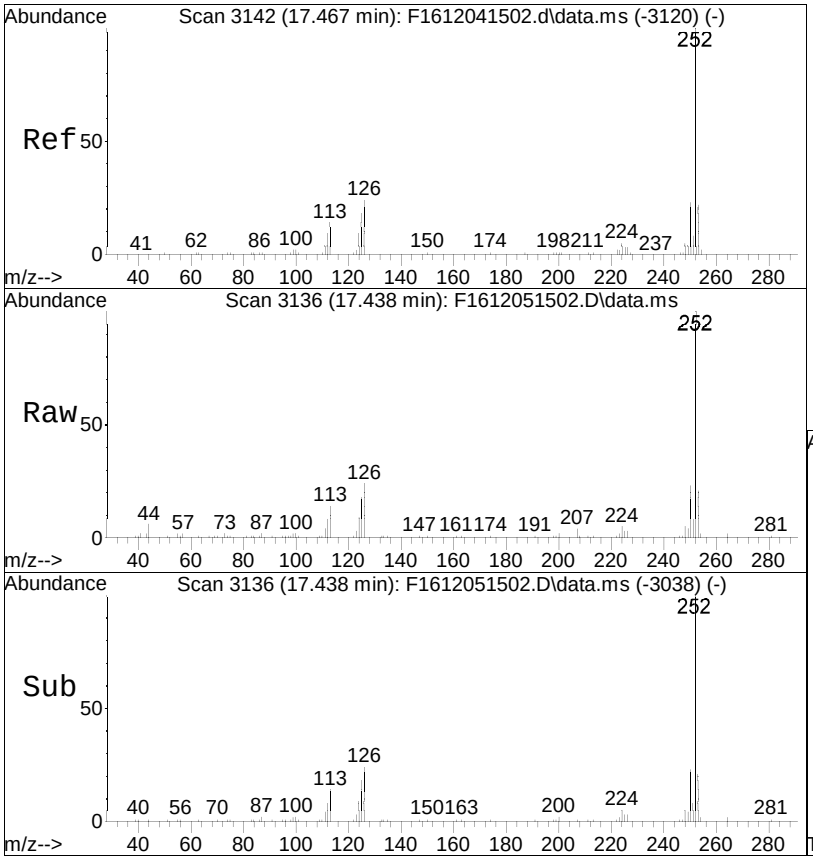


#88
Benzo[k]fluoranthene
Concen: 0.48 ug/mL
RT: 16.865 min Scan# 3017
Delta R.T. -0.029 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:252 Resp: 74229

Ion	Ratio	Lower	Upper
252	100		
253	20.7	17.3	25.9
125	15.5	10.3	15.5#

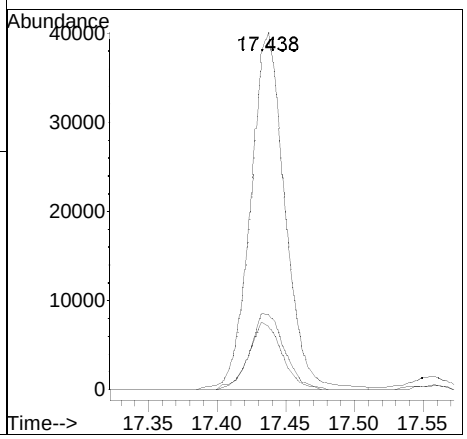


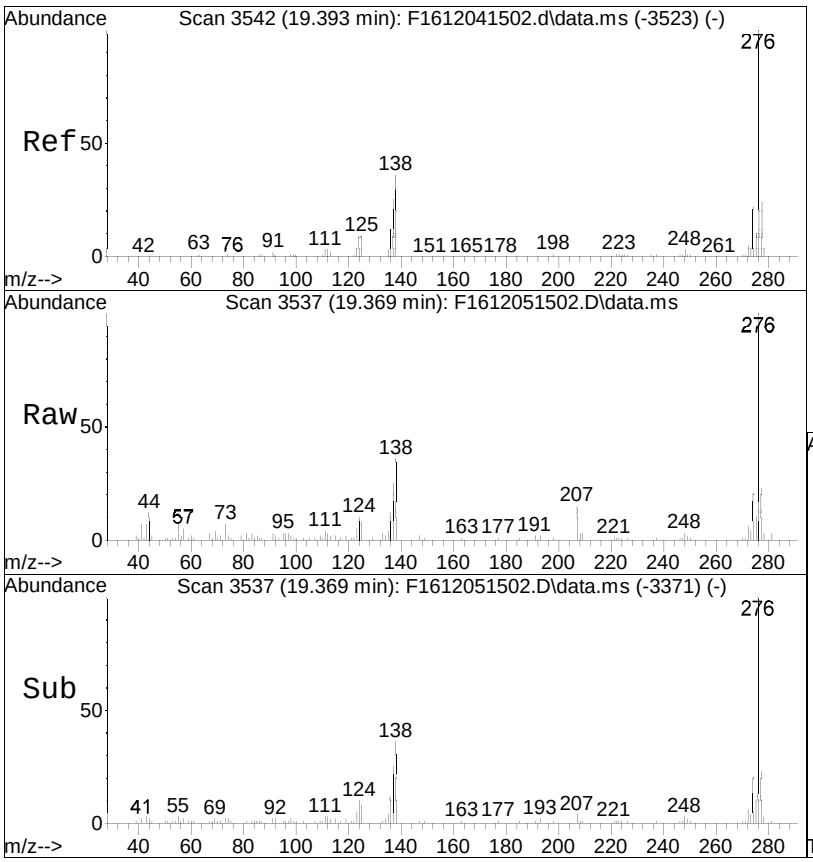


#89
Benzo[a]pyrene
Concen: 0.46 ug/mL
RT: 17.438 min Scan# 3136
Delta R.T. -0.029 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:252 Resp: 69149

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.2
125	18.6	11.4	17.2#

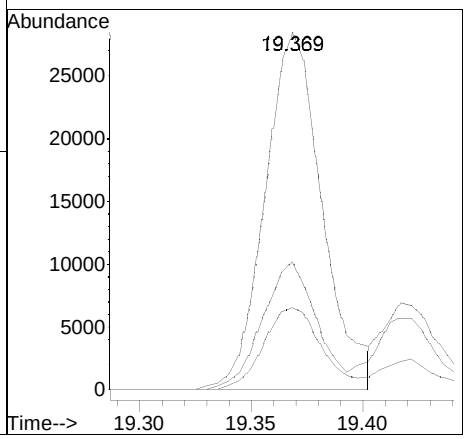


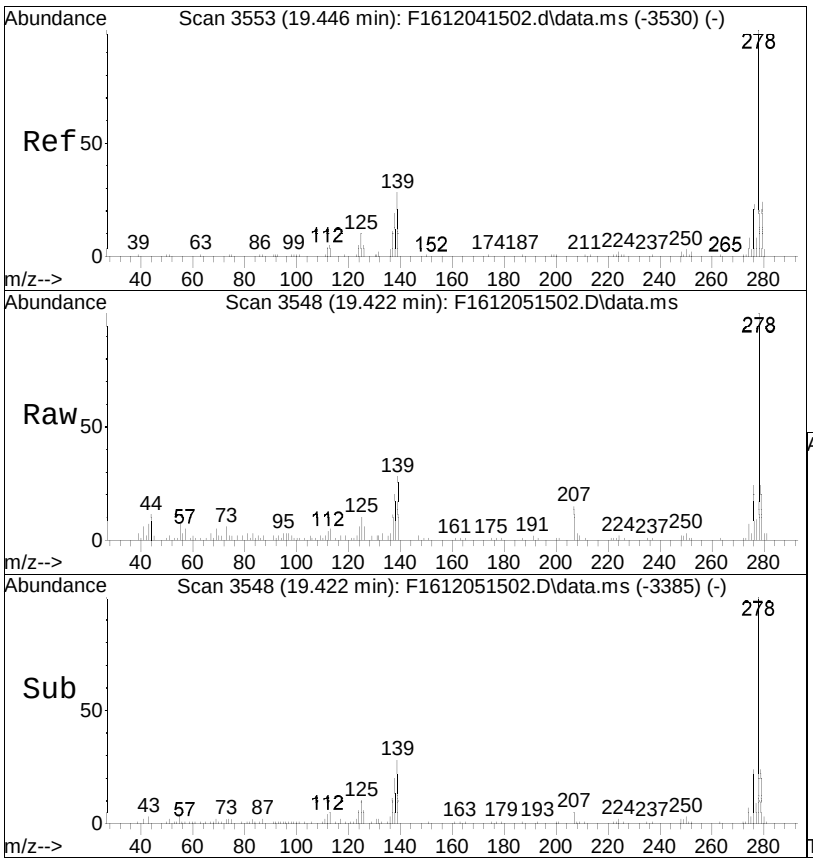


#90
Indeno[1,2,3-cd]pyrene
Concen: 0.39 ug/mL
RT: 19.369 min Scan# 3537
Delta R.T. -0.024 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:276 Resp: 50469

Ion	Ratio	Lower	Upper
276	100		
138	34.0	23.4	35.0
277	23.3	19.2	28.8

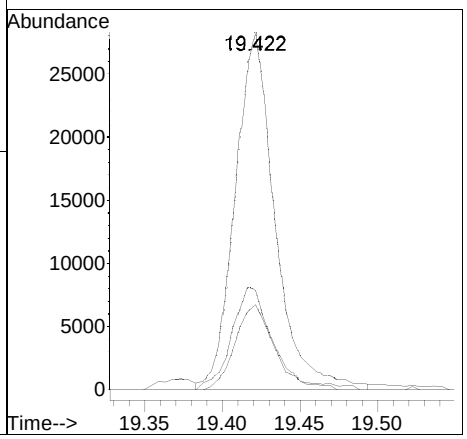


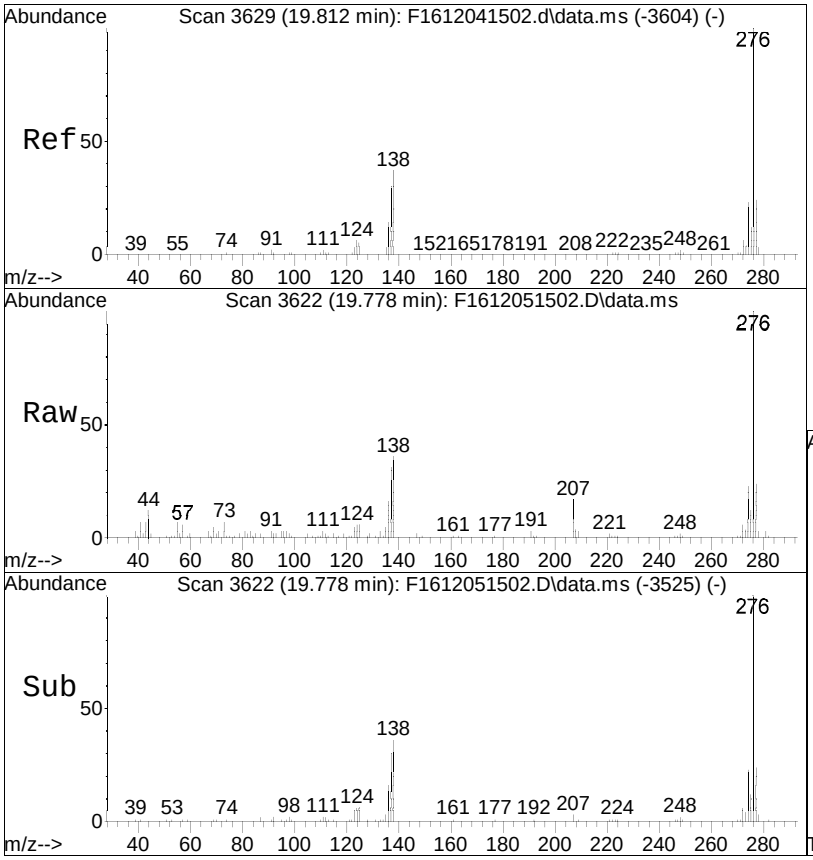


#91
Dibenz[a,h]anthracene
Concen: 0.39 ug/mL M4
RT: 19.422 min Scan# 3548
Delta R.T. -0.024 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:278 Resp: 50306

Ion	Ratio	Lower	Upper
278	100		
139	29.2	18.5	27.7#
279	23.7	18.9	28.3

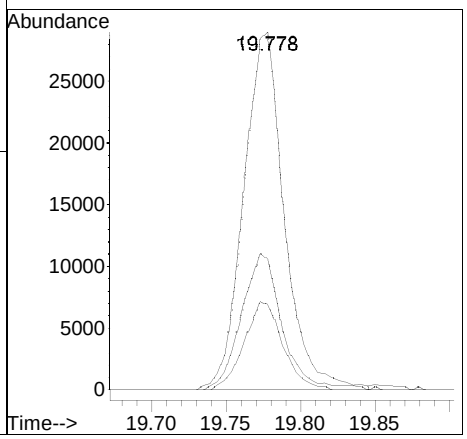




#92
Benzo[g,h,i]perylene
Concen: 0.41 ug/mL
RT: 19.778 min Scan# 3622
Delta R.T. -0.034 min
Lab File: F1612051502.D
Acq: 5 Dec 2015 9:52 am

Tgt Ion:276 Resp: 54669

Ion	Ratio	Lower	Upper
276	100		
138	37.7	20.3	30.5#
277	23.7	19.0	28.4

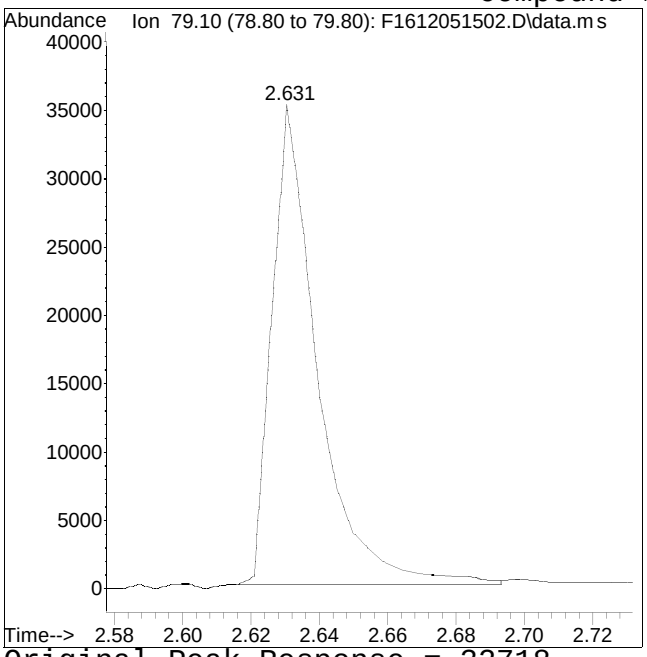


Manual Integration/Negative Proof Report

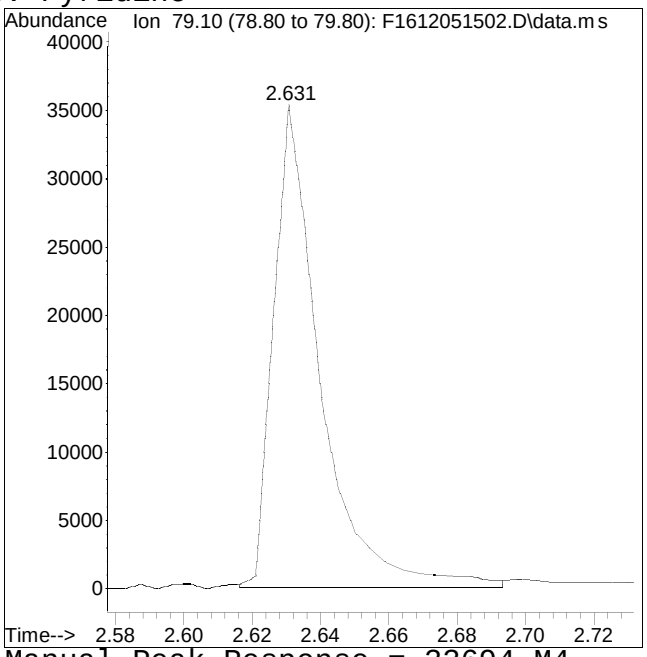
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051502.D
Date Inj'd : 12/5/2015 9:52 am
Sample : I1612051501

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:50 pm

Compound #3: Pyridine



Original Peak Response = 32718



Manual Peak Response = 33694 M4

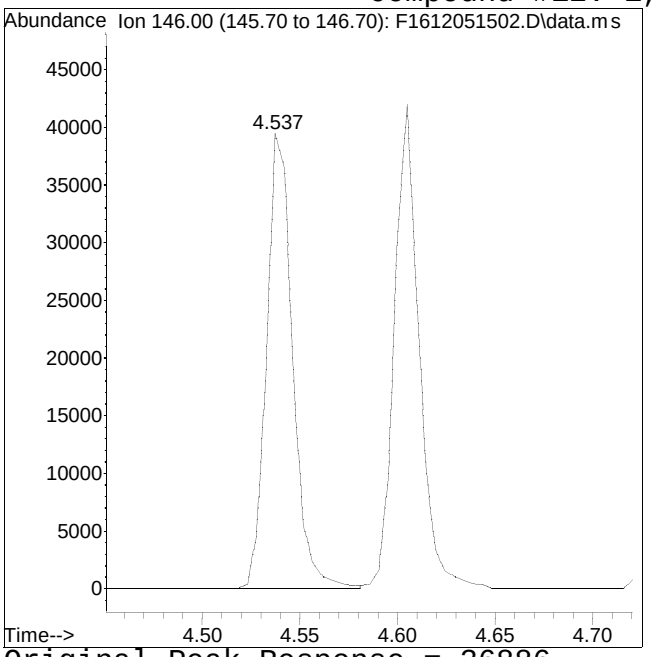
M4 = Poor automated baseline construction.

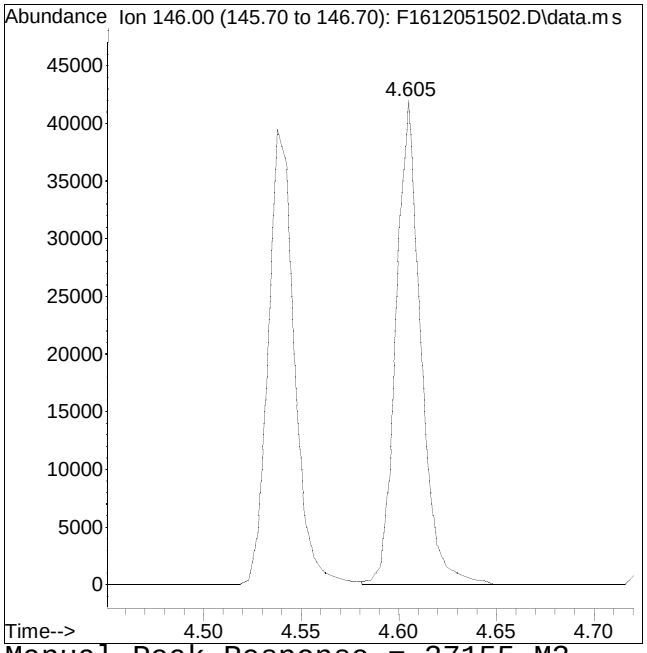
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051502.D
Date Inj'd : 12/5/2015 9:52 am
Sample : I1612051501

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:50 pm

Compound #12: 1,4-Dichlorobenzene





Original Peak Response = 36886 Manual Peak Response = 37155 M3

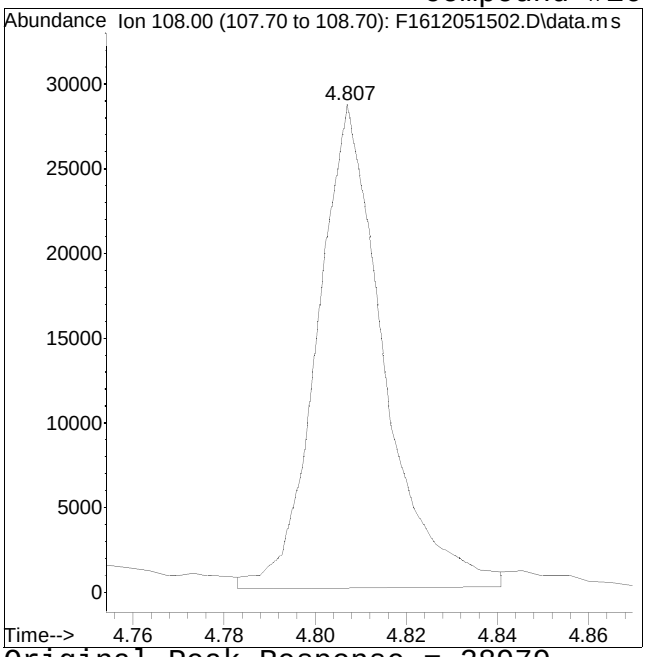
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

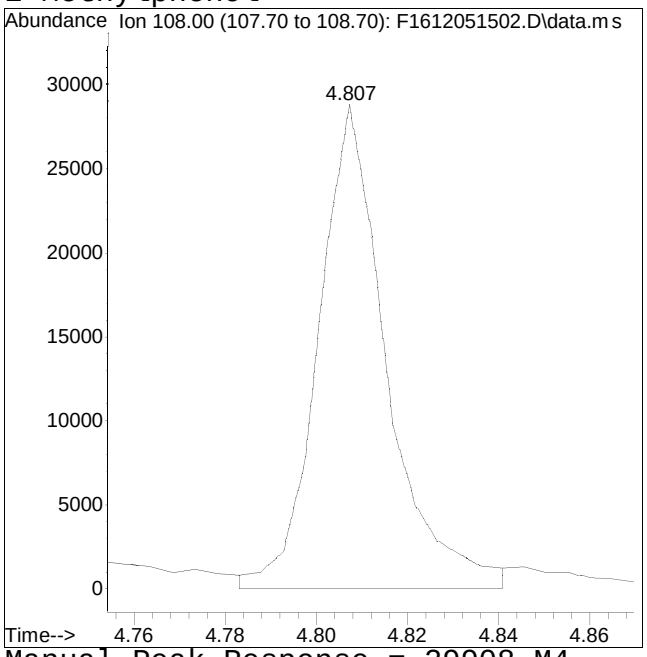
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051502.D
Date Inj'd : 12/5/2015 9:52 am
Sample : I1612051501

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:50 pm

Compound #16: 2-Methylphenol



Original Peak Response = 28979



Manual Peak Response = 29908 M4

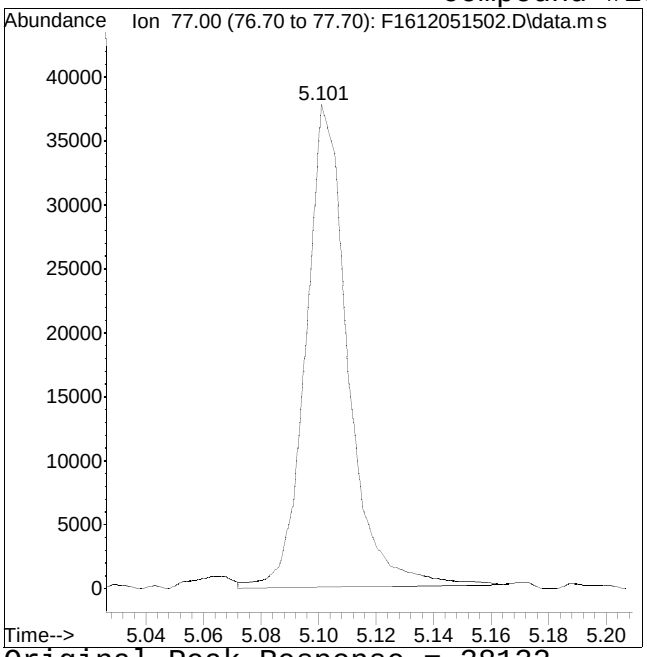
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

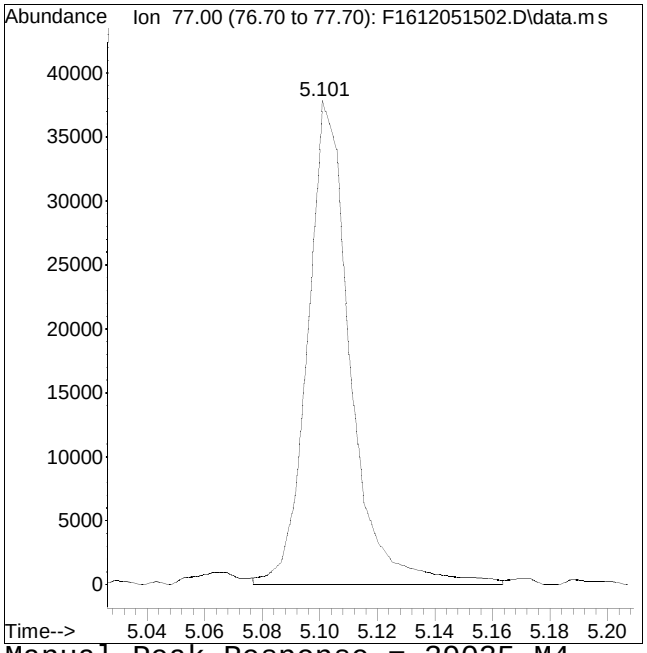
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051502.D
Date Inj'd : 12/5/2015 9:52 am
Sample : I1612051501

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:50 pm

Compound #23: Nitrobenzene



Original Peak Response = 38132



Manual Peak Response = 39035 M4

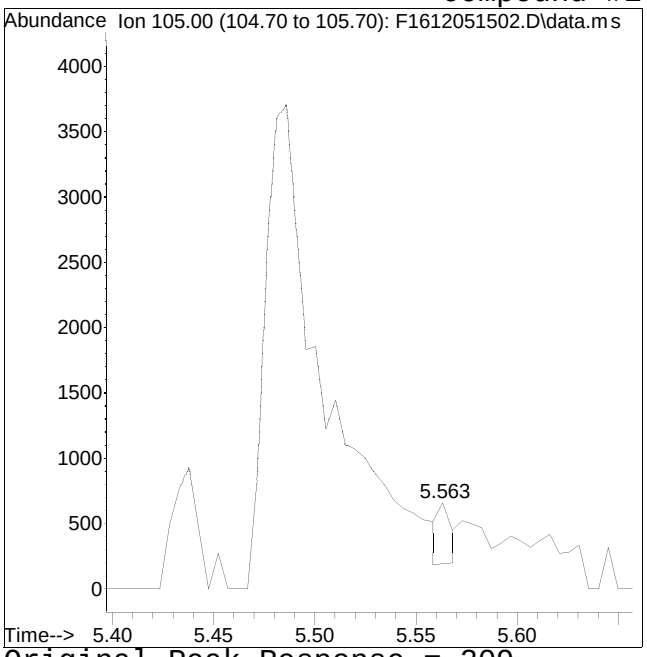
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

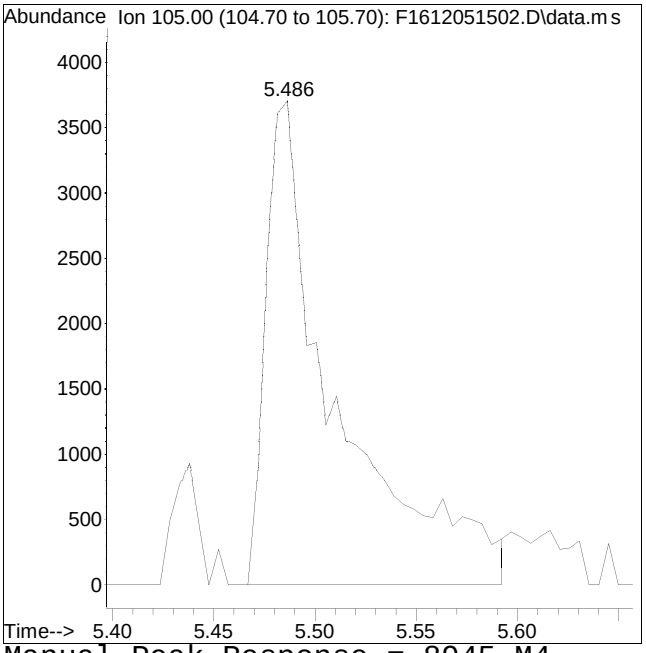
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051502.D
Date Inj'd : 12/5/2015 9:52 am
Sample : I1612051501

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:50 pm

Compound #27: Benzoic acid



Original Peak Response = 209



Manual Peak Response = 8945 M4

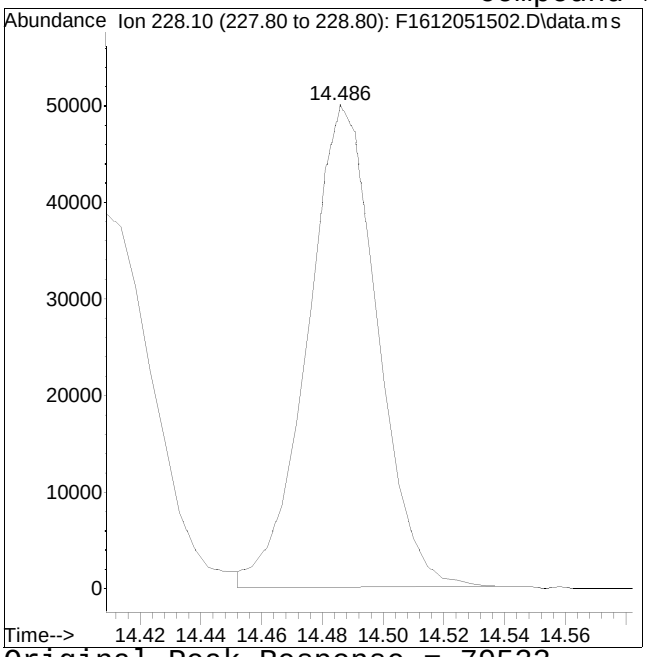
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

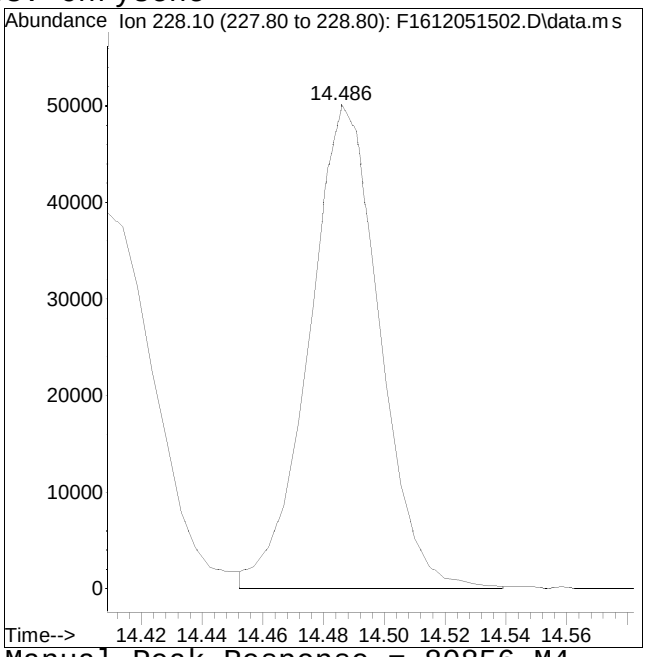
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051502.D
Date Inj'd : 12/5/2015 9:52 am
Sample : I1612051501

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:50 pm

Compound #83: Chrysene



Original Peak Response = 79533



Manual Peak Response = 80856 M4

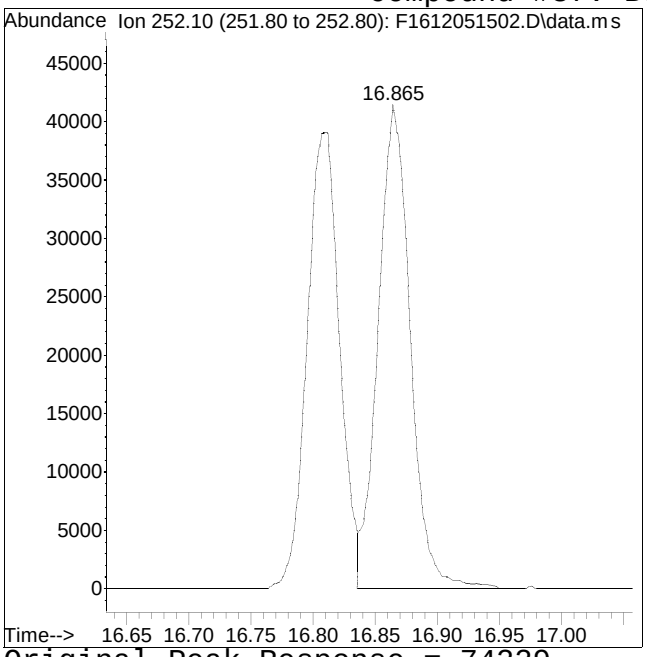
M4 = Poor automated baseline construction.

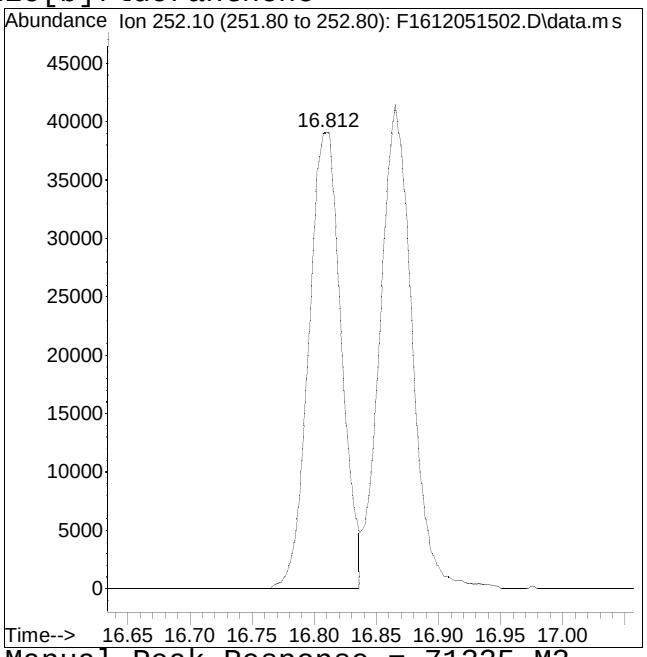
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051502.D
Date Inj'd : 12/5/2015 9:52 am
Sample : I1612051501

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:50 pm

Compound #87: Benzo[b]fluoranthene





Original Peak Response = 74229 Manual Peak Response = 71335 M3

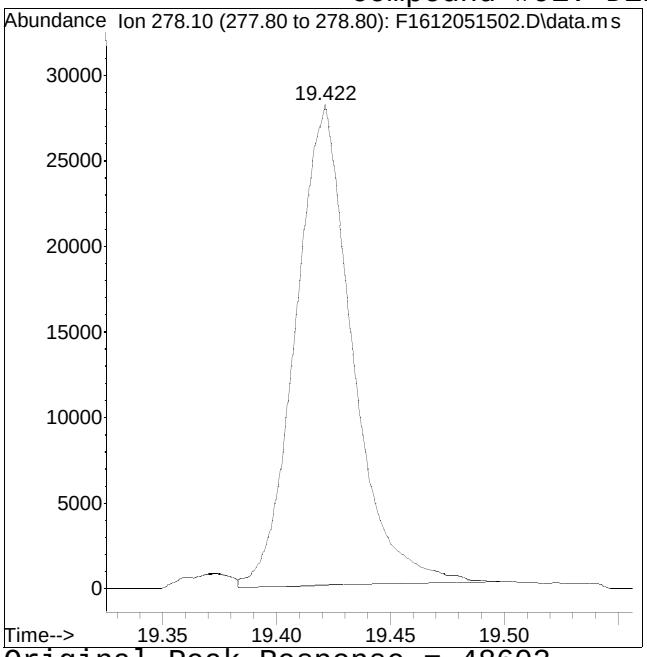
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

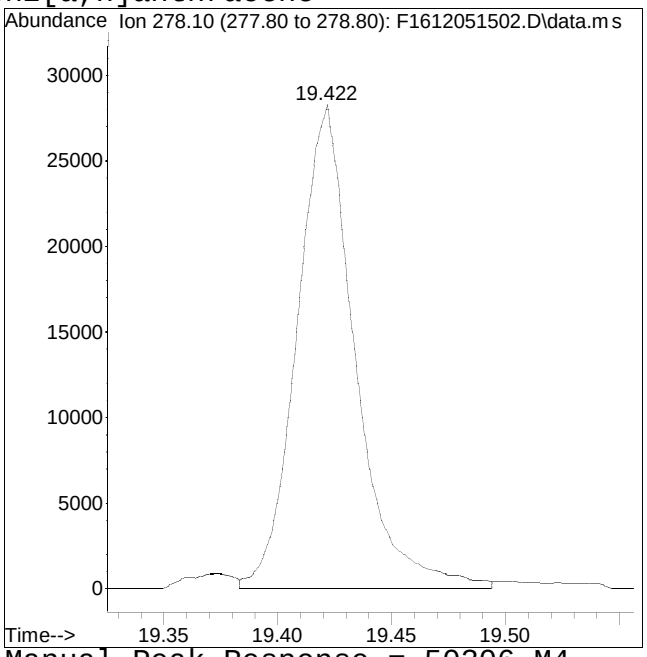
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051502.D
Date Inj'd : 12/5/2015 9:52 am
Sample : I1612051501

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:50 pm

Compound #91: Dibenz[a,h]anthracene



Original Peak Response = 48603



Manual Peak Response = 50306 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051503.D
Acq On : 5 Dec 2015 10:21 am
Operator : PAH16:JT
Sample : I1612051502
Misc : WG851800,MSAG51
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 07 16:42:28 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.590	152	213981	5.000	ug/mL	0.00
21) Naphthalene-d8	5.756	136	841777	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.455	164	422084	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.218	188	796976	5.000	ug/mL	0.00
76) Chrysene-d12	14.433	240	682383	5.000	ug/mL	0.00
85) Perylene-d12	17.558	264	584187	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.541	112	58467	1.149	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 5.75%#			
8) Phenol-d5	4.268	99	77442	1.222	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 6.11%#			
22) Nitrobenzene-d5	5.086	82	70919	1.359	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 6.79%#			
43) 2-Fluorobiphenyl	6.796	172	116927	1.026	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 5.13%#			
65) 2,4,6-Tribromophenol	8.308	330	9283	0.910	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 4.55%#			
79) Terphenyl-d14	12.121	244	97261	0.912	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 4.56%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.606	74	36527	1.268	ug/mL#	87
3) Pyridine	2.630	79	65060	1.209	ug/mL#	80
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.306	93	96545M4	1.221	ug/ml	
7) bis(2-Chloroethyl)ether	4.354	63	50880	1.484	ug/mL	86
9) Phenol	4.282	94	76818	1.209	ug/mL#	87
10) 2-Chlorophenol	4.407	128	64203	1.122	ug/mL#	91
11) 1,3-Dichlorobenzene	4.537	146	69047	1.067	ug/mL	100
12) 1,4-Dichlorobenzene	4.605	146	70015M3	1.086	ug/mL	
13) 1,2-Dichlorobenzene	4.740	146	66019	1.069	ug/mL	99
14) Benzyl alcohol	4.706	108	38315	1.267	ug/mL	91
15) bis(2-chloroisopropyl)eth	4.821	45	106683	1.979	ug/mL#	50
16) 2-Methylphenol	4.807	108	58251M4	1.202	ug/mL	
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	5.038	117	29658	1.173	ug/mL	84
19) N-Nitroso-di-n-propylamin	4.942	70	50824	1.438	ug/mL#	84
20) 4-Methylphenol	4.942	108	60641	1.230	ug/mL	99
23) Nitrobenzene	5.101	77	74168	1.365	ug/mL	95

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051503.D
Acq On : 5 Dec 2015 10:21 am
Operator : PAH16:JT
Sample : I1612051502
Misc : WG851800,MSAG51
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 07 16:42:28 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.317	82	107494	1.270	ug/mL	97
25) 2-Nitrophenol	5.394	139	32445	1.277	ug/mL#	86
26) 2,4-Dimethylphenol	5.433	107	54340	1.151	ug/mL	96
27) Benzoic acid	5.486	105	21211	2.429	ug/mL#	83
28) bis(2-Chloroethoxy)methan	5.520	93	73332	1.168	ug/mL	98
29) 2,4-Dichlorophenol	5.626	162	45377	1.050	ug/mL	96
30) 1,2,4-Trichlorobenzene	5.698	180	50233	1.017	ug/mL	99
31) Naphthalene	5.775	128	187334	1.081	ug/mL	100
32) 2-Chloroaniline	5.361	127	96330	1.085	ug/ml	99
33) 4-Chloroaniline	5.828	127	77128	1.089	ug/mL#	1
34) Hexachlorobutadiene	5.886	225	24939	1.047	ug/mL	100
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	6.300	107	53155	1.258	ug/mL	97
37) 2-Methylnaphthalene	6.439	142	119190	1.043	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.598	216	44174	0.977	ug/mL	99
40) Hexachlorocyclopentadiene	6.584	237	10130	0.413	ug/mL	96
41) 2,4,6-Trichlorophenol	6.714	196	28476	0.953	ug/mL	97
42) 2,4,5-Trichlorophenol	6.757	196	31026M4	1.034	ug/mL	
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	6.911	162	103242	0.986	ug/mL	97
46) 2-Nitroaniline	7.017	65	40134	1.503	ug/mL#	79
47) Acenaphthylene	7.316	152	179732	0.999	ug/mL	99
48) Dimethylphthalate	7.191	163	112561	1.005	ug/mL	100
49) 2,6-Dinitrotoluene	7.253	165	24824	0.987	ug/mL#	84
50) Acenaphthene	7.484	153	114096	0.995	ug/mL	99
51) 3-Nitroaniline	7.422	138	29526	1.023	ug/mL	85
52) 2,4-Dinitrophenol	7.532	184	5905	1.289	ug/mL#	70
53) Dibenzofuran	7.662	168	145657	0.996	ug/mL	92
54) 2,3,4,6-Tetrachlorophenol	7.797	232	18455	1.069		95
55) 2,4-Dinitrotoluene	7.658	165	34231	1.023	ug/mL#	25
56) 4-Nitrophenol	7.609	109	15472	1.383	ug/mL	84
57) Fluorene	8.028	166	119572	1.010	ug/mL	99
58) 4-Chlorophenyl-phenylethe	8.033	204	51342	0.988	ug/mL	97
59) Diethylphthalate	7.908	149	121227	1.055	ug/mL	97
60) 4-Nitroaniline	8.057	138	29675	0.955	ug/mL	87
62) 4,6-Dinitro-2-methylpheno	8.096	198	12687	1.104	ug/mL#	100
63) Azobenzene	8.211	182	32134	0.907	ug/mL	52
64) n-Nitrosodiphenylamine	8.168	169	83513	0.967	ug/mL	99
66) 4-Bromophenyl-phenylether	8.616	248	25241	0.965	ug/mL	94
67) Hexachlorobenzene	8.683	284	25194	0.957	ug/mL#	89
68) Atrazine	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051503.D
Acq On : 5 Dec 2015 10:21 am
Operator : PAH16:JT
Sample : I1612051502
Misc : WG851800,MSAG51
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 07 16:42:28 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	8.963	266	8998	0.914	ug/mL	99
70) Pentachloronitrobenzene	8.967	237	11228	0.974	ug/ml	99
71) Phenanthrene	9.252	178	167969	0.953	ug/mL	99
72) Anthracene	9.329	178	165207M4	0.959	ug/mL	
73) Carbazole	9.584	167	158737	0.969	ug/mL	99
74) Di-n-butylphthalate	10.200	149	187382	0.987	ug/mL#	98
75) Fluoranthene	11.274	202	164253	0.946	ug/mL#	93
77) Benzidine	0.000		0	N.D.	d	
78) Pyrene	11.717	202	165570	0.877	ug/mL#	92
80) Butylbenzylphthalate	13.306	149	81515	1.228	ug/mL	88
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	14.409	228	143159	0.970	ug/mL	98
83) Chrysene	14.486	228	142161	0.938	ug/mL	98
84) bis(2-Ethylhexyl)phthalat	14.775	149	106106	1.221	ug/mL#	92
86) Di-n-octylphthalate	16.306	149	181274	1.601	ug/mL	99
87) Benzo[b]fluoranthene	16.807	252	122337	0.994	ug/mL#	97
88) Benzo[k]fluoranthene	16.864	252	123303M4	0.906	ug/mL	
89) Benzo[a]pyrene	17.438	252	118637	0.943	ug/mL#	96
90) Indeno[1,2,3-cd]pyrene	19.368	276	96704	1.311	ug/mL	94
91) Dibenz[a,h]anthracene	19.421	278	94841M4	1.142	ug/mL	
92) Benzo[g,h,i]perylene	19.778	276	105088	0.931	ug/mL#	86

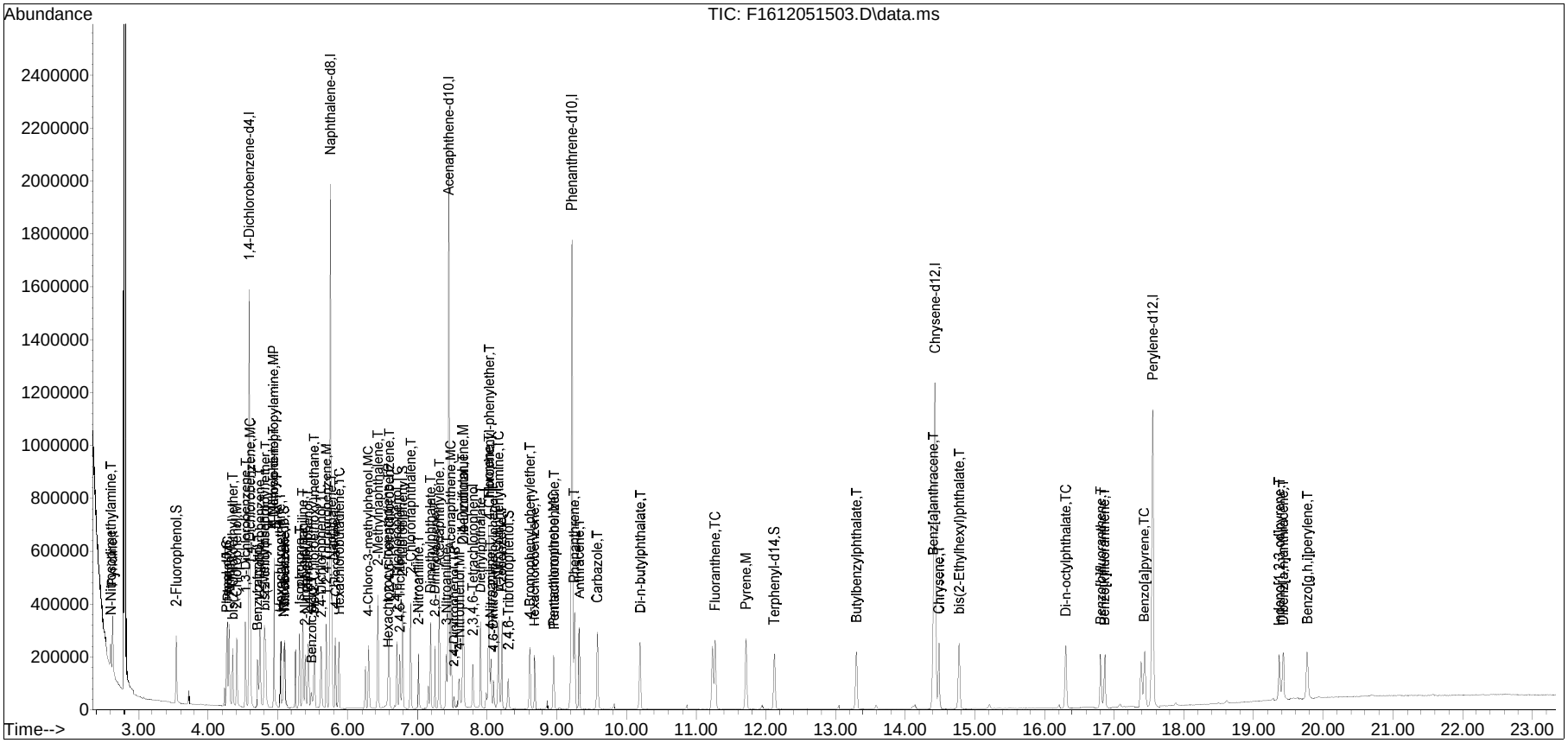
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051503.D
Acq On : 5 Dec 2015 10:21 am
Operator : PAH16:JT
Sample : I1612051502
Misc : WG851800,MSAG51
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 07 16:42:28 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

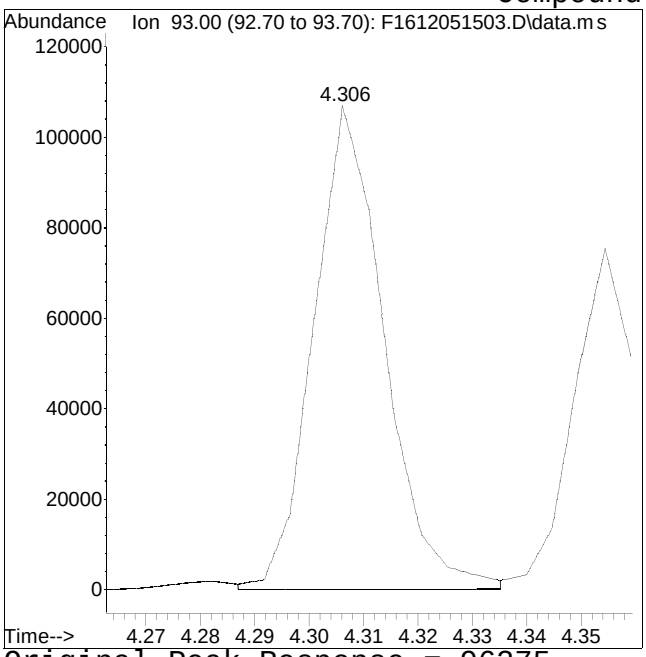


Manual Integration/Negative Proof Report

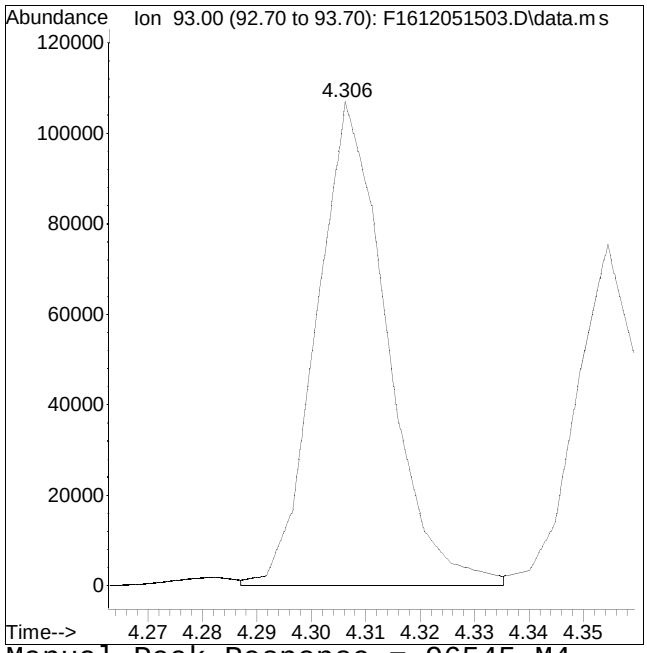
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051503.D
Date Inj'd : 12/5/2015 10:21 am
Sample : I1612051502

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:03 pm

Compound #6: Aniline



Original Peak Response = 96275



Manual Peak Response = 96545 M4

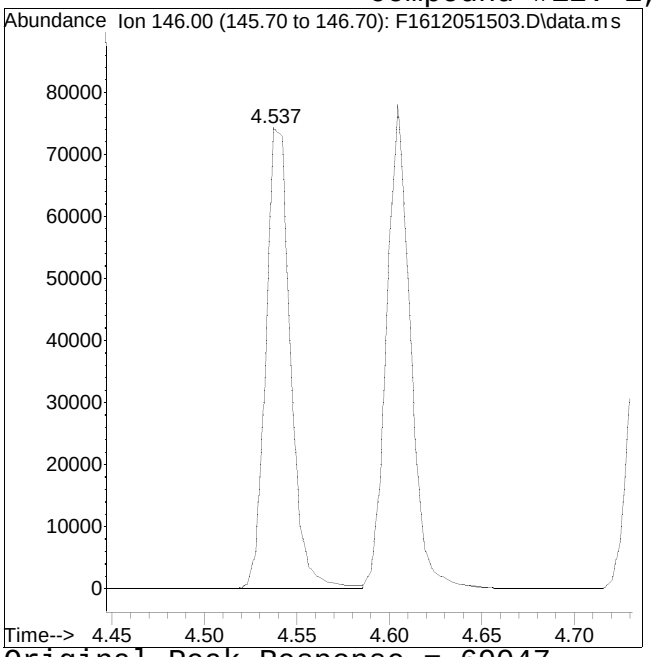
M4 = Poor automated baseline construction.

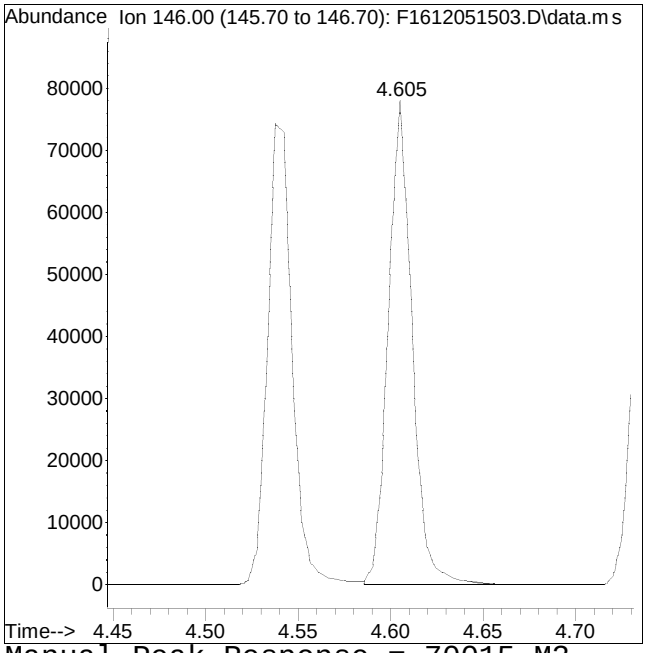
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051503.D
Date Inj'd : 12/5/2015 10:21 am
Sample : I1612051502

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:03 pm

Compound #12: 1,4-Dichlorobenzene





Original Peak Response = 69047 Manual Peak Response = 70015 M3

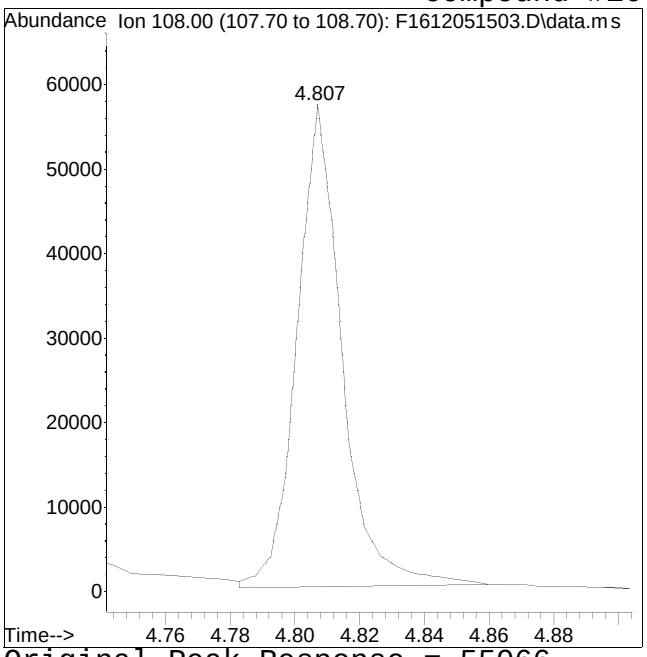
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

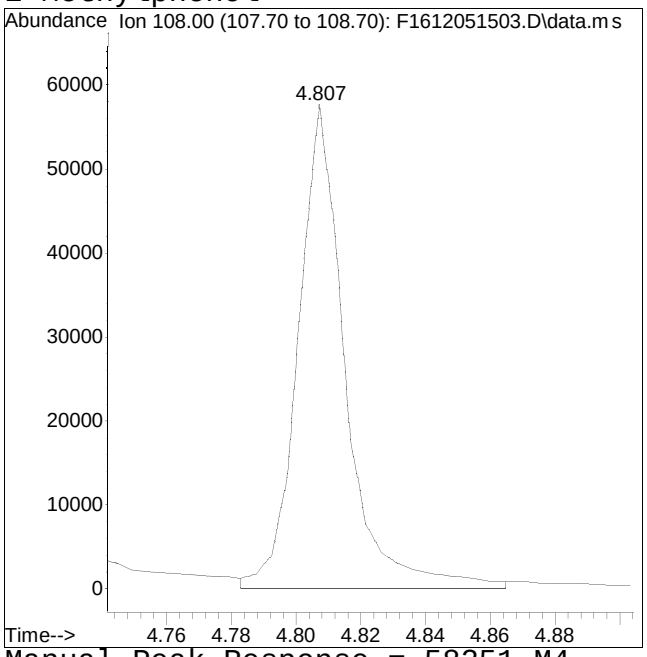
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051503.D
Date Inj'd : 12/5/2015 10:21 am
Sample : I1612051502

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:03 pm

Compound #16: 2-Methylphenol



Original Peak Response = 55066



Manual Peak Response = 58251 M4

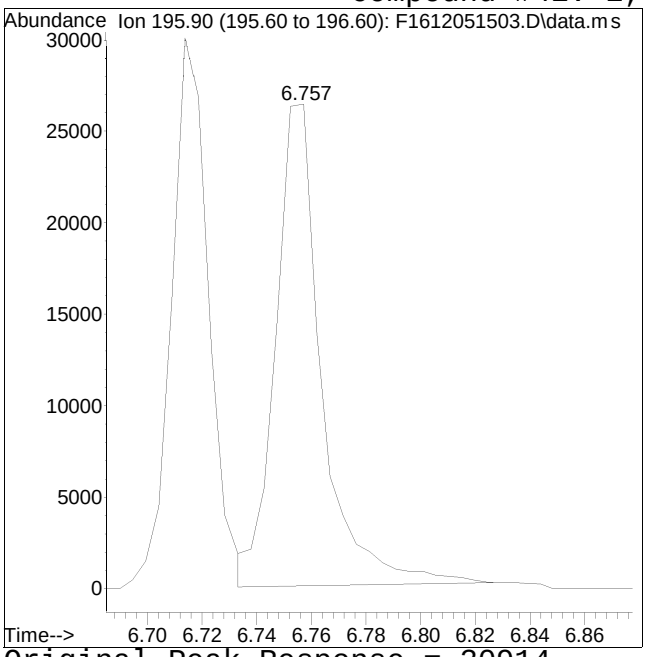
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

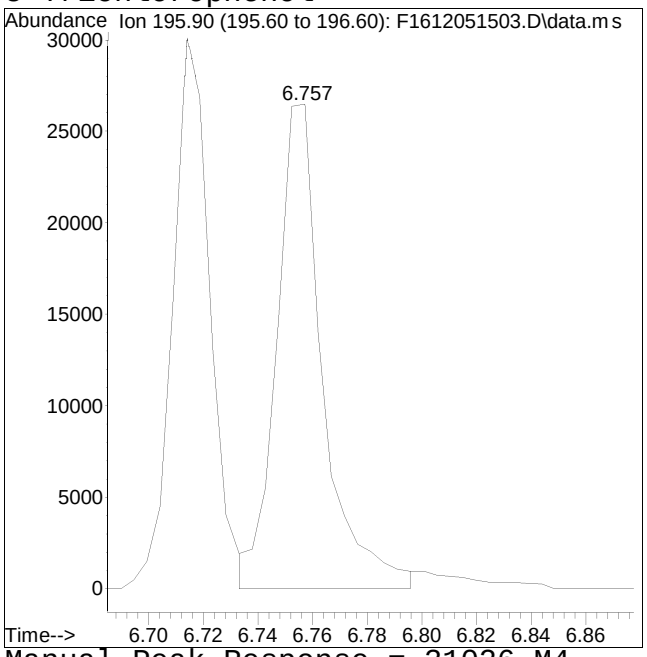
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051503.D
Date Inj'd : 12/5/2015 10:21 am
Sample : I1612051502

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:03 pm

Compound #42: 2,4,5-Trichlorophenol



Original Peak Response = 30914



Manual Peak Response = 31026 M4

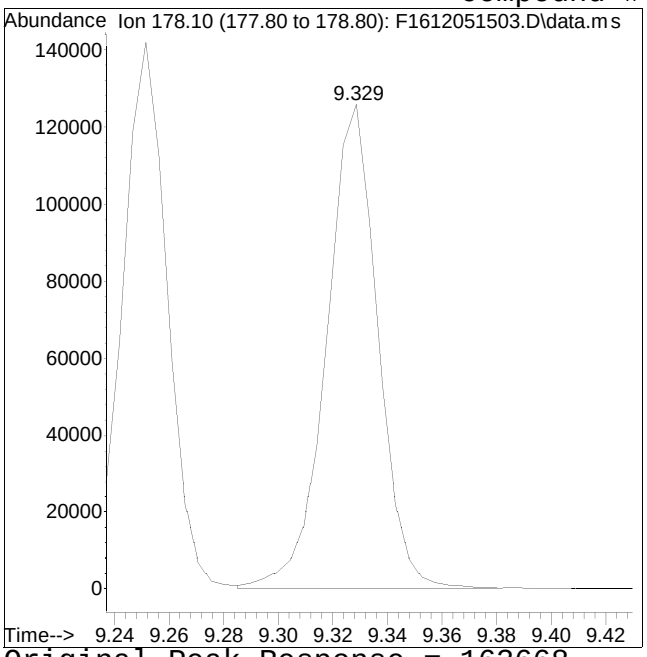
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

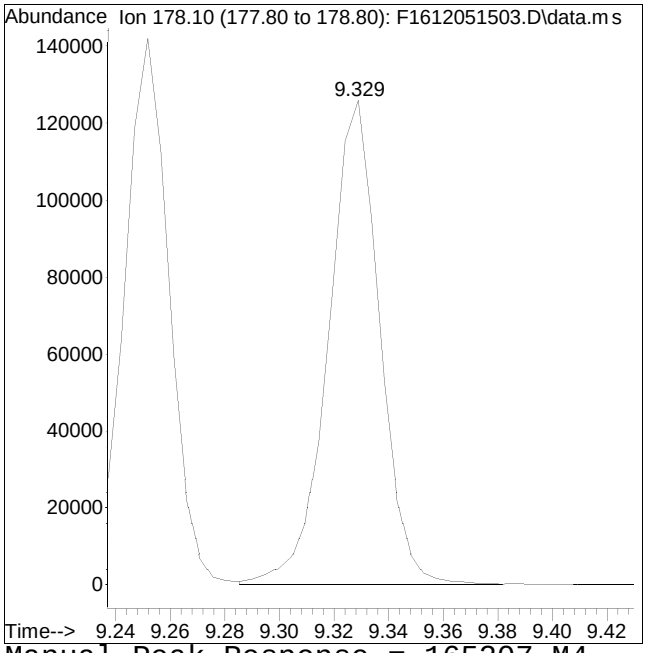
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051503.D
Date Inj'd : 12/5/2015 10:21 am
Sample : I1612051502

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:03 pm

Compound #72: Anthracene



Original Peak Response = 163668



Manual Peak Response = 165207 M4

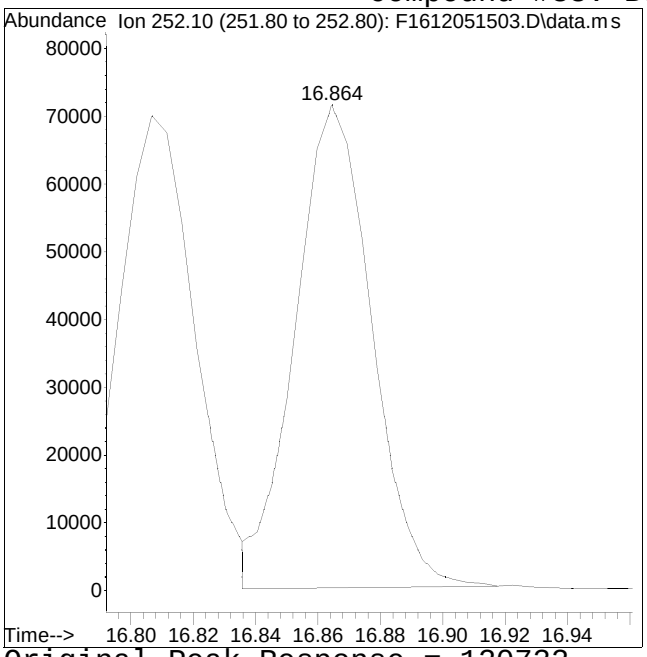
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

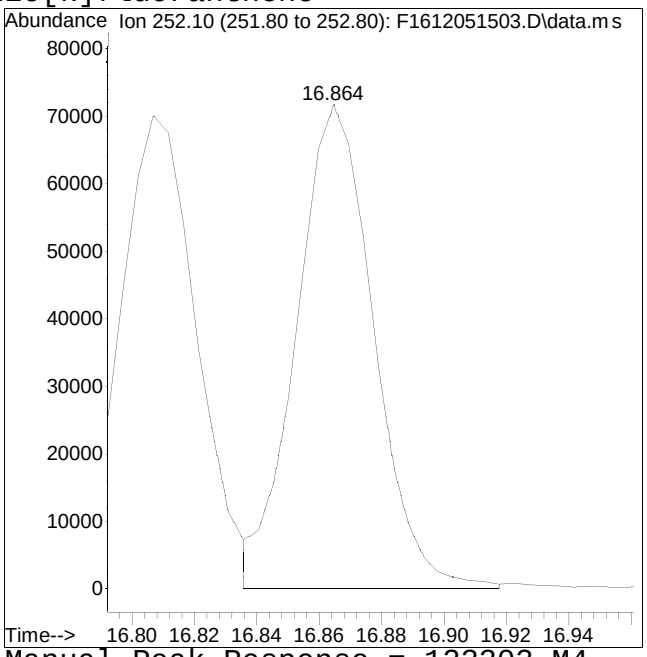
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051503.D
Date Inj'd : 12/5/2015 10:21 am
Sample : I1612051502

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:03 pm

Compound #88: Benzo[k]fluoranthene



Original Peak Response = 120732



Manual Peak Response = 123303 M4

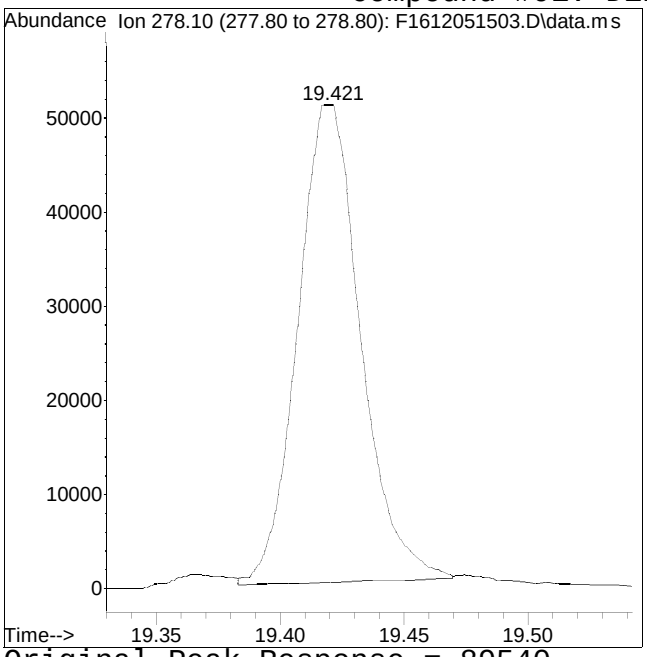
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

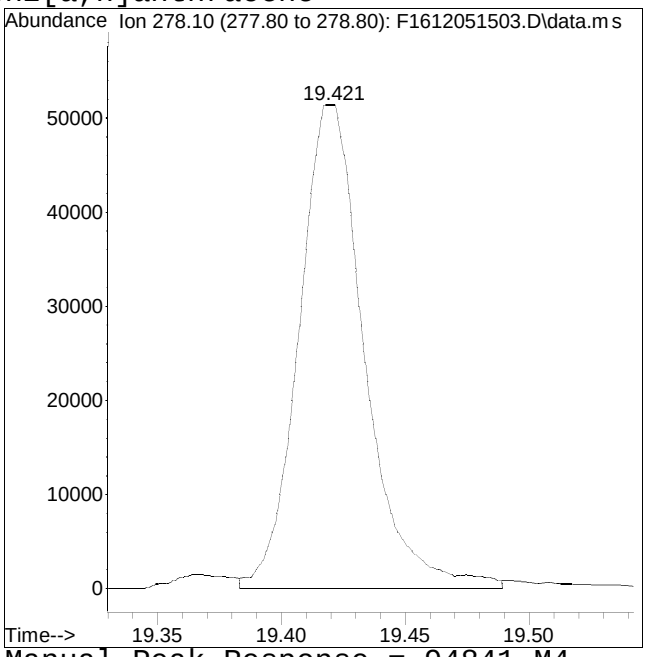
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051503.D
Date Inj'd : 12/5/2015 10:21 am
Sample : I1612051502

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:03 pm

Compound #91: Dibenz[a,h]anthracene



Original Peak Response = 89540



Manual Peak Response = 94841 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051504.D
Acq On : 5 Dec 2015 10:50 am
Operator : PAH16:JT
Sample : I1612051503
Misc : WG851800,MSAG50
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 17 15:25:52 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:26:22 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.590	152	220615	5.000	ug/mL	0.00
21) Naphthalene-d8	5.756	136	877923	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.456	164	452991	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.218	188	842621	5.000	ug/mL	0.00
76) Chrysene-d12	14.433	240	725226	5.000	ug/mL	0.00
85) Perylene-d12	17.558	264	620291M4	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.541	112	125246	2.027	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 10.14%#			
8) Phenol-d5	4.273	99	165317	1.984	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 9.92%#			
22) Nitrobenzene-d5	5.086	82	148720	2.007	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 10.04%#			
43) 2-Fluorobiphenyl	6.796	172	242589	1.889	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 9.45%#			
65) 2,4,6-Tribromophenol	8.308	330	20206	1.808	ug/mL	-0.01
Spiked Amount 20.000	Range 10 - 123		Recovery = 9.04%#			
79) Terphenyl-d14	12.126	244	211406	1.958	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 9.79%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.607	74	77870	2.096	ug/mL#	82
3) Pyridine	2.631	79	140391	2.071	ug/mL#	80
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.311	93	205426M4	2.179	ug/ml	
7) bis(2-Chloroethyl)ether	4.355	63	107148M4	2.056	ug/mL	
9) Phenol	4.282	94	168687	1.959	ug/mL#	86
10) 2-Chlorophenol	4.412	128	136356	2.000	ug/mL#	91
11) 1,3-Dichlorobenzene	4.542	146	144260	1.967	ug/mL	99
12) 1,4-Dichlorobenzene	4.605	146	146220M3	1.980	ug/mL	
13) 1,2-Dichlorobenzene	4.740	146	138328	1.994	ug/mL	99
14) Benzyl alcohol	4.711	108	86816	2.010	ug/mL	92
15) bis(2-chloroisopropyl)eth	4.822	45	223737	2.224	ug/mL#	50
16) 2-Methylphenol	4.807	108	119946	2.002	ug/mL	99
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	5.038	117	61951	1.999	ug/mL	84
19) N-Nitroso-di-n-propylamin	4.942	70	106376	2.057	ug/mL#	86
20) 4-Methylphenol	4.947	108	130222	1.999	ug/mL	99
23) Nitrobenzene	5.106	77	154199	1.998	ug/mL	96

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051504.D
Acq On : 5 Dec 2015 10:50 am
Operator : PAH16:JT
Sample : I1612051503
Misc : WG851800,MSAG50
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 17 15:25:52 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:26:22 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.318	82	231132	2.018	ug/mL	97
25) 2-Nitrophenol	5.395	139	70194	1.958	ug/mL#	88
26) 2,4-Dimethylphenol	5.438	107	114117	2.077	ug/mL	97
27) Benzoic acid	5.501	105	64067M4	1.938	ug/mL	
28) bis(2-Chloroethoxy)methan	5.520	93	152648	1.985	ug/mL	99
29) 2,4-Dichlorophenol	5.626	162	97912	1.954	ug/mL	97
30) 1,2,4-Trichlorobenzene	5.698	180	103437	1.936	ug/mL	97
31) Naphthalene	5.775	128	392410	1.995	ug/mL	100
32) 2-Chloroaniline	5.366	127	201927	1.984	ug/ml	100
33) 4-Chloroaniline	5.828	127	160576	2.014	ug/mL#	1
34) Hexachlorobutadiene	5.886	225	50931	1.896	ug/mL	98
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	6.300	107	112853	1.932	ug/mL	99
37) 2-Methylnaphthalene	6.440	142	249899	1.958	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.598	216	91695	1.853	ug/mL	99
40) Hexachlorocyclopentadiene	6.584	237	28020	1.616	ug/mL	98
41) 2,4,6-Trichlorophenol	6.714	196	61505	1.774	ug/mL	98
42) 2,4,5-Trichlorophenol	6.753	196	67765M4	1.884	ug/mL	
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	6.911	162	218653	1.889	ug/mL	97
46) 2-Nitroaniline	7.017	65	86279	1.951	ug/mL#	81
47) Acenaphthylene	7.316	152	380821	1.909	ug/mL	100
48) Dimethylphthalate	7.191	163	235215	1.868	ug/mL	99
49) 2,6-Dinitrotoluene	7.258	165	55034	1.868	ug/mL#	85
50) Acenaphthene	7.489	153	240507	1.917	ug/mL	98
51) 3-Nitroaniline	7.422	138	64706	1.884	ug/mL	88
52) 2,4-Dinitrophenol	7.533	184	21787	1.816	ug/mL#	77
53) Dibenzofuran	7.663	168	303529	1.896	ug/mL	94
54) 2,3,4,6-Tetrachlorophenol	7.798	232	42920	1.816		96
55) 2,4-Dinitrotoluene	7.658	165	75113	1.844	ug/mL#	36
56) 4-Nitrophenol	7.605	109	34991	1.835	ug/mL	86
57) Fluorene	8.029	166	252319	1.914	ug/mL	98
58) 4-Chlorophenyl-phenylethe	8.033	204	106958	1.881	ug/mL	96
59) Diethylphthalate	7.908	149	255557	1.887	ug/mL	97
60) 4-Nitroaniline	8.058	138	62323M4	1.878	ug/mL	
62) 4,6-Dinitro-2-methylpheno	8.096	198	35200	1.886	ug/mL#	100
63) Azobenzene	8.212	182	69266	1.885	ug/mL	56
64) n-Nitrosodiphenylamine	8.168	169	175151	1.891	ug/mL	100
66) 4-Bromophenyl-phenylether	8.616	248	52073	1.843	ug/mL	92
67) Hexachlorobenzene	8.688	284	51535	1.834	ug/mL#	86
68) Atrazine	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051504.D
Acq On : 5 Dec 2015 10:50 am
Operator : PAH16:JT
Sample : I1612051503
Misc : WG851800,MSAG50
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 17 15:25:52 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:26:22 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	8.958	266	25778	1.840	ug/mL	100
70) Pentachloronitrobenzene	8.968	237	24831	1.786	ug/ml	100
71) Phenanthrene	9.252	178	351160	1.909	ug/mL	99
72) Anthracene	9.329	178	352389M4	1.967	ug/mL	
73) Carbazole	9.584	167	343031	1.967	ug/mL	99
74) Di-n-butylphthalate	10.200	149	412813	1.918	ug/mL#	98
75) Fluoranthene	11.279	202	349123	1.933	ug/mL#	93
77) Benzidine	0.000		0	N.D.		
78) Pyrene	11.717	202	354942	1.952	ug/mL#	92
80) Butylbenzylphthalate	13.306	149	182484	1.893	ug/mL	88
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	14.414	228	303124	1.876	ug/mL	99
83) Chrysene	14.491	228	299206M4	1.943	ug/mL	
84) bis(2-Ethylhexyl)phthalat	14.775	149	237360	1.898	ug/mL#	92
86) Di-n-octylphthalate	16.306	149	414005	1.888	ug/mL	99
87) Benzo[b]fluoranthene	16.812	252	267332	1.863	ug/mL#	97
88) Benzo[k]fluoranthene	16.870	252	264905	1.932	ug/mL#	96
89) Benzo[a]pyrene	17.443	252	259461	1.923	ug/mL#	96
90) Indeno[1,2,3-cd]pyrene	19.374	276	211703	1.827	ug/mL#	93
91) Dibenz[a,h]anthracene	19.422	278	212229M4	1.856	ug/mL	
92) Benzo[g,h,i]perylene	19.778	276	233703	1.951	ug/mL#	87

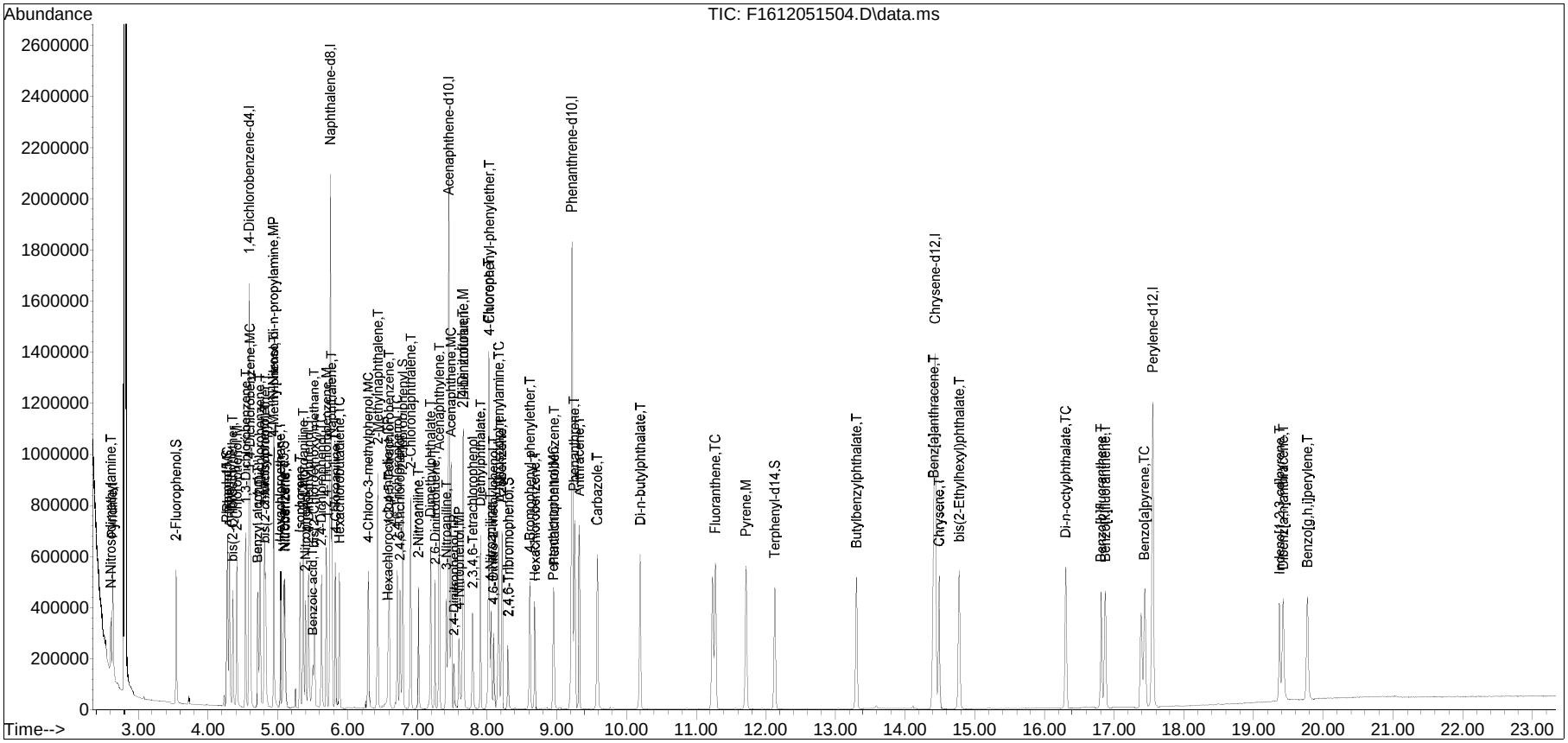
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051504.D
Acq On : 5 Dec 2015 10:50 am
Operator : PAH16:JT
Sample : I1612051503
Misc : WG851800,MSAG50
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 17 15:25:52 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:26:22 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

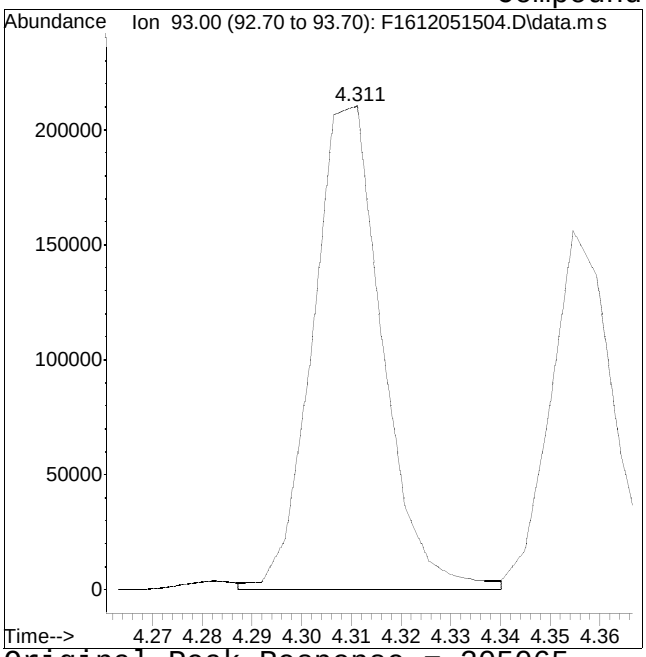


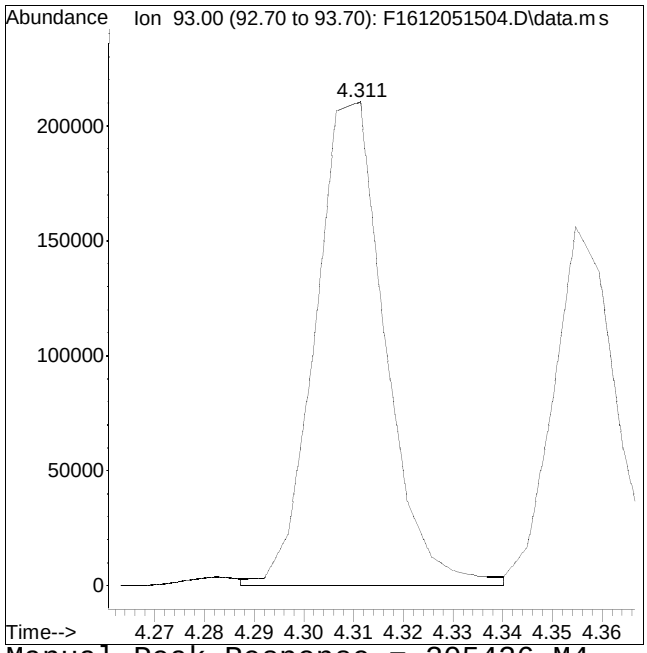
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051504.D
Date Inj'd : 12/5/2015 10:50 am
Sample : I1612051503

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:26 pm

Compound #6: Aniline





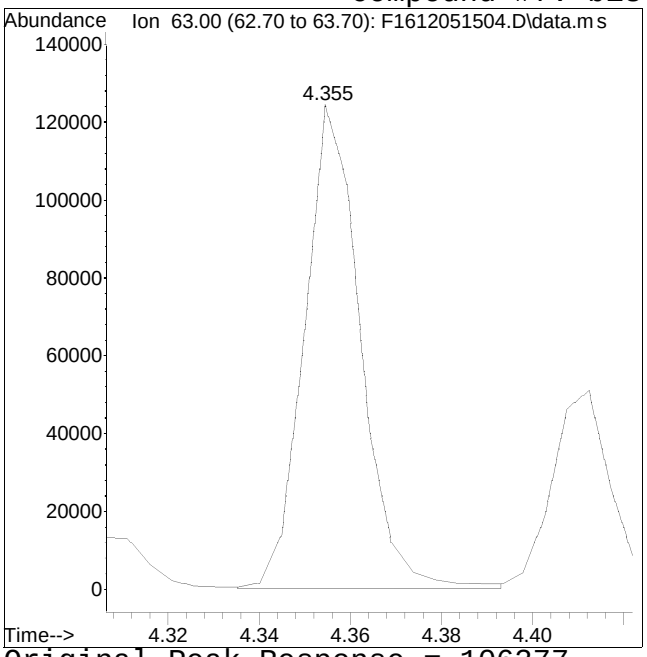
Original Peak Response = 205065 Manual Peak Response = 205426 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

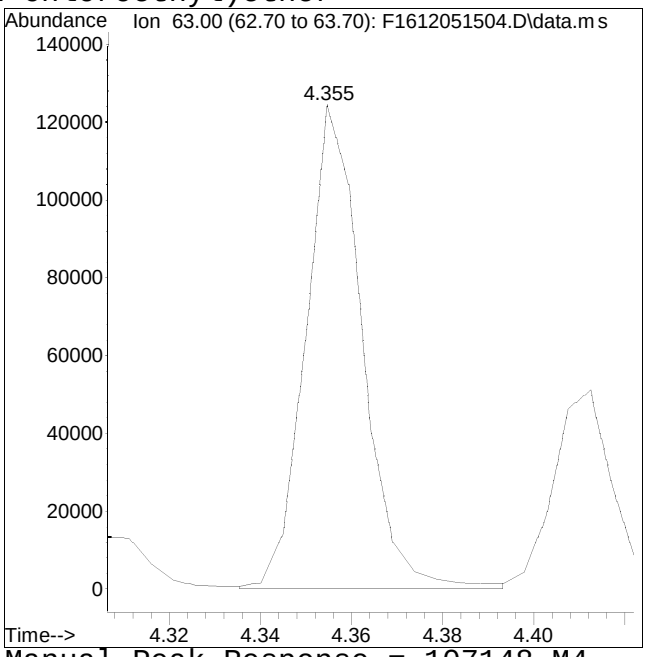
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051504.D
Date Inj'd : 12/5/2015 10:50 am
Sample : I1612051503

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:26 pm

Compound #7: bis(2-Chloroethyl)ether



Original Peak Response = 106377



Manual Peak Response = 107148 M4

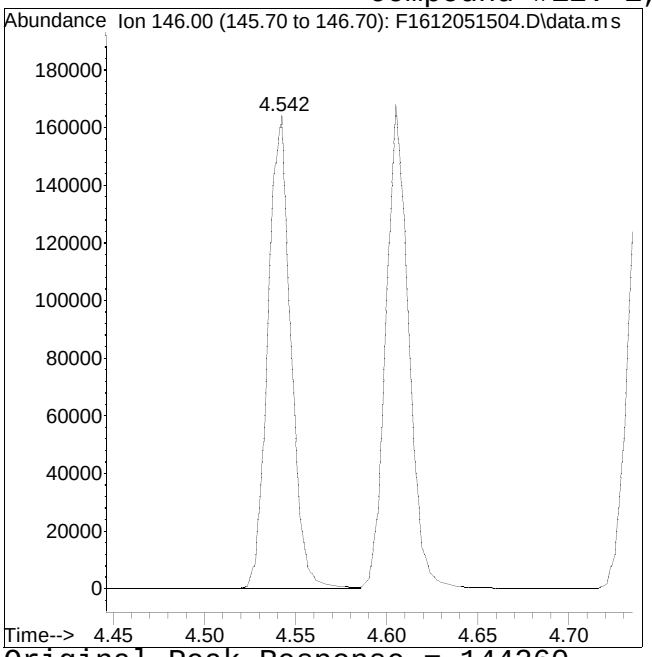
M4 = Poor automated baseline construction.

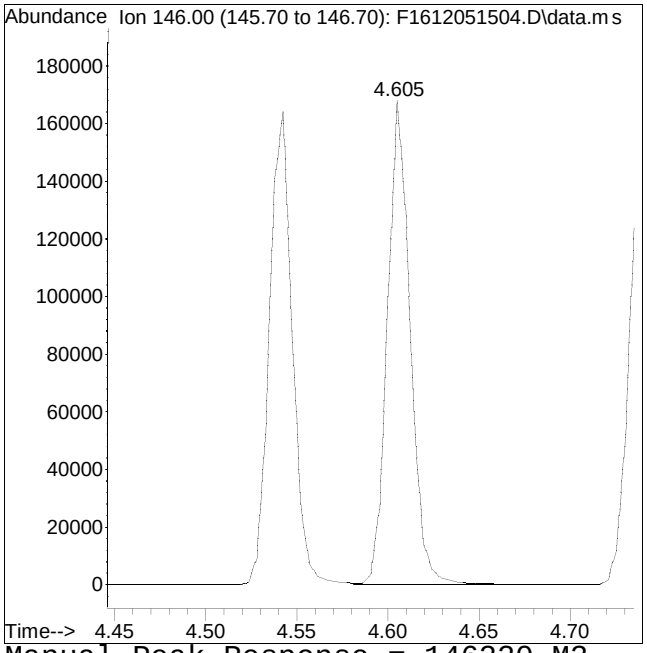
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051504.D
Date Inj'd : 12/5/2015 10:50 am
Sample : I1612051503

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:26 pm

Compound #12: 1,4-Dichlorobenzene





Original Peak Response = 144260 Manual Peak Response = 146220 M3

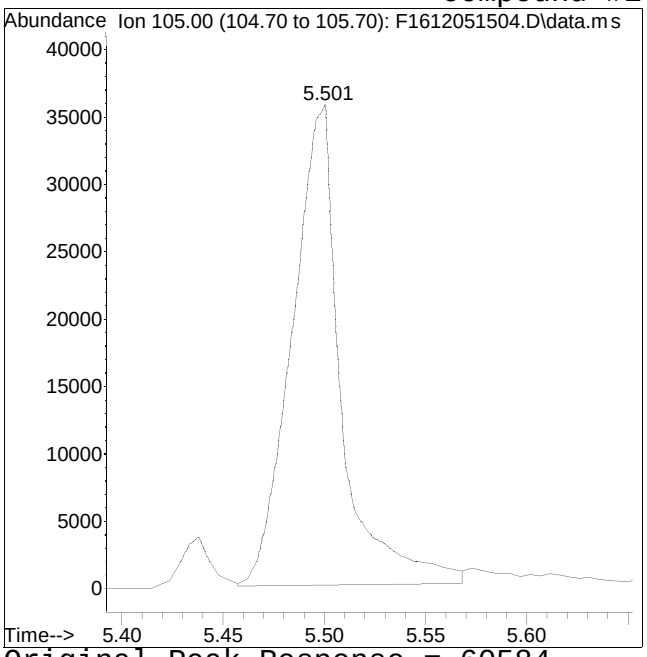
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

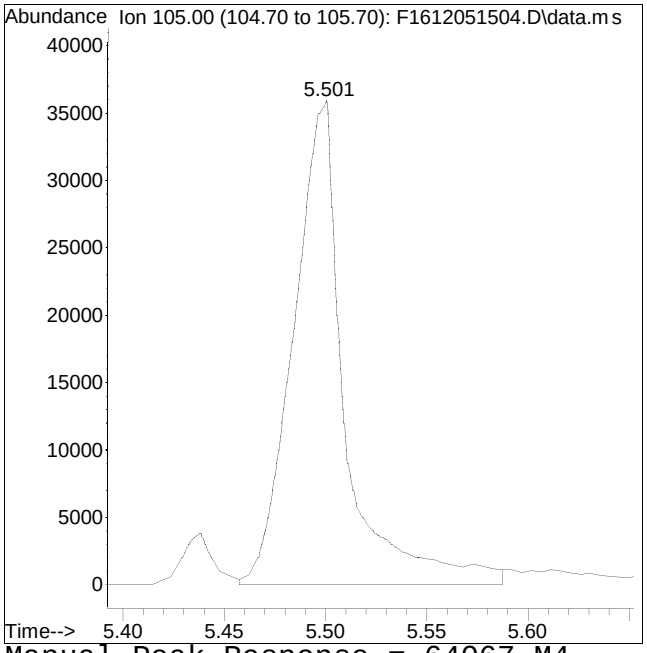
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051504.D
Date Inj'd : 12/5/2015 10:50 am
Sample : I1612051503

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:26 pm

Compound #27: Benzoic acid



Original Peak Response = 60584



Manual Peak Response = 64067 M4

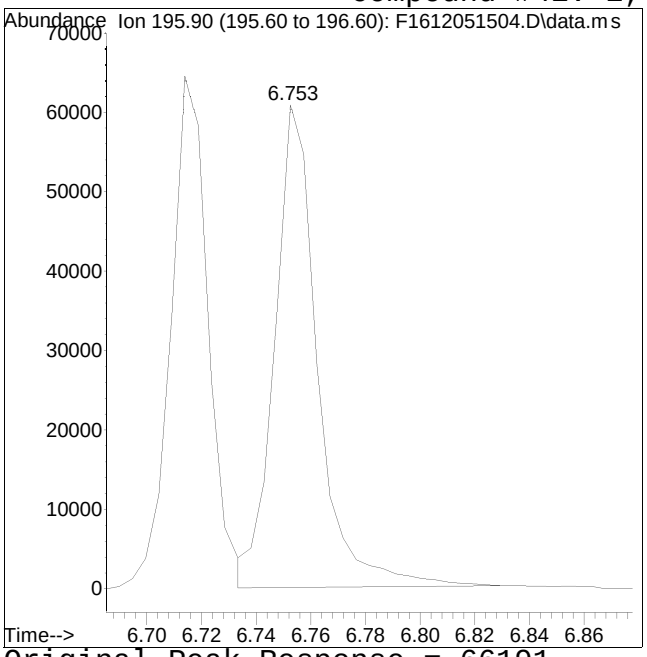
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

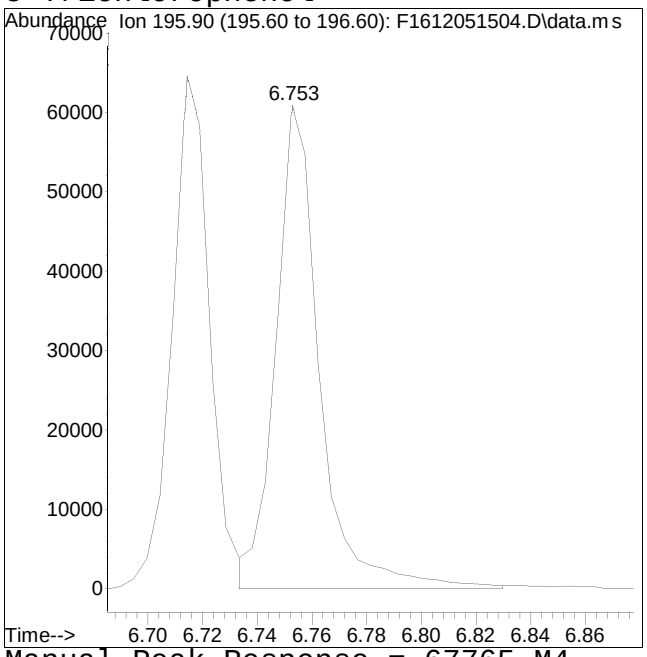
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051504.D
Date Inj'd : 12/5/2015 10:50 am
Sample : I1612051503

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:26 pm

Compound #42: 2,4,5-Trichlorophenol



Original Peak Response = 66191



Manual Peak Response = 67765 M4

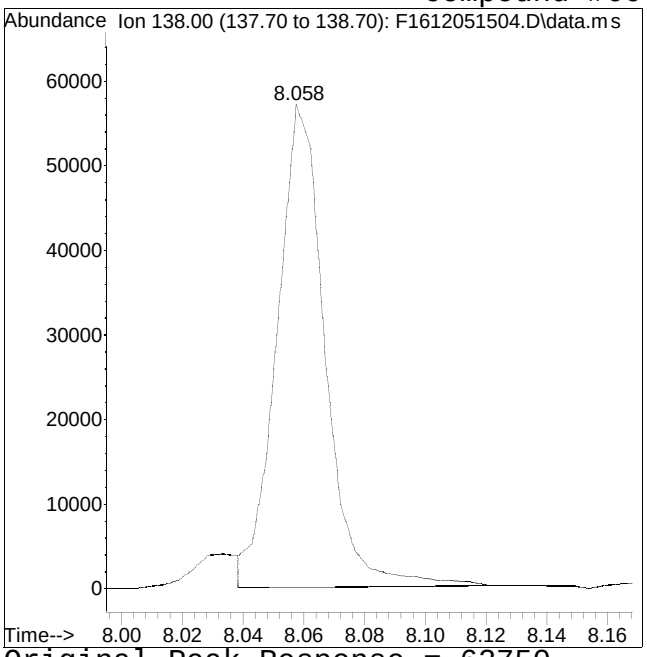
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

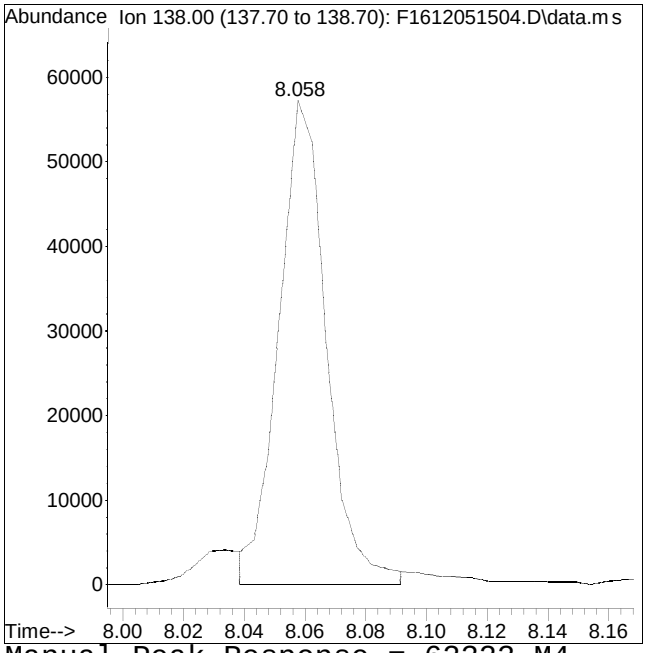
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051504.D
Date Inj'd : 12/5/2015 10:50 am
Sample : I1612051503

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:26 pm

Compound #60: 4-Nitroaniline



Original Peak Response = 62750



Manual Peak Response = 62323 M4

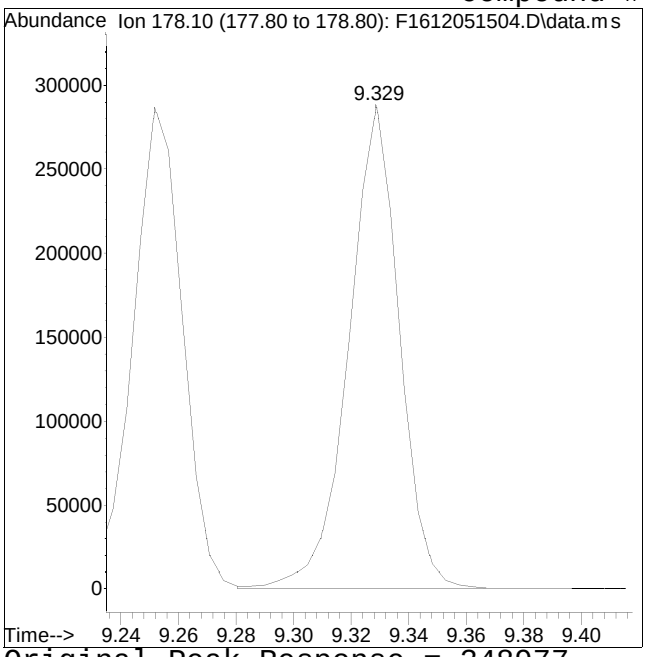
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

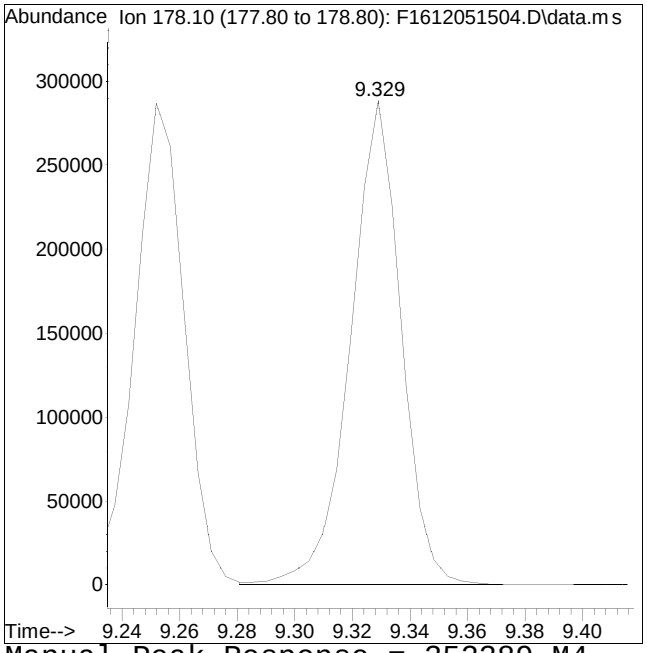
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051504.D
Date Inj'd : 12/5/2015 10:50 am
Sample : I1612051503

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:26 pm

Compound #72: Anthracene



Original Peak Response = 348977



Manual Peak Response = 352389 M4

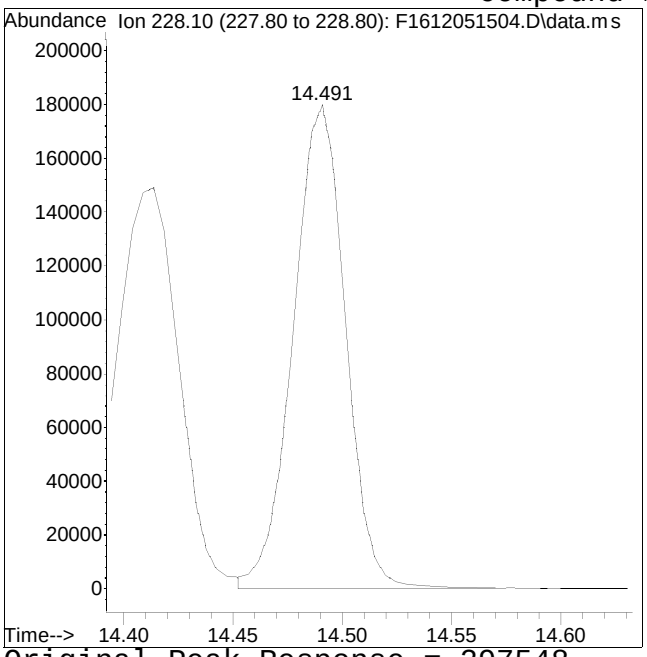
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

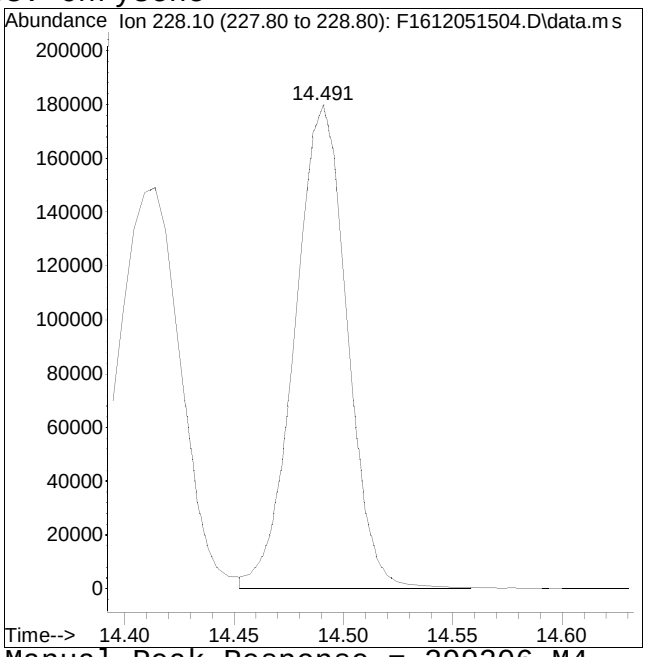
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051504.D
Date Inj'd : 12/5/2015 10:50 am
Sample : I1612051503

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:26 pm

Compound #83: Chrysene



Original Peak Response = 297548



Manual Peak Response = 299206 M4

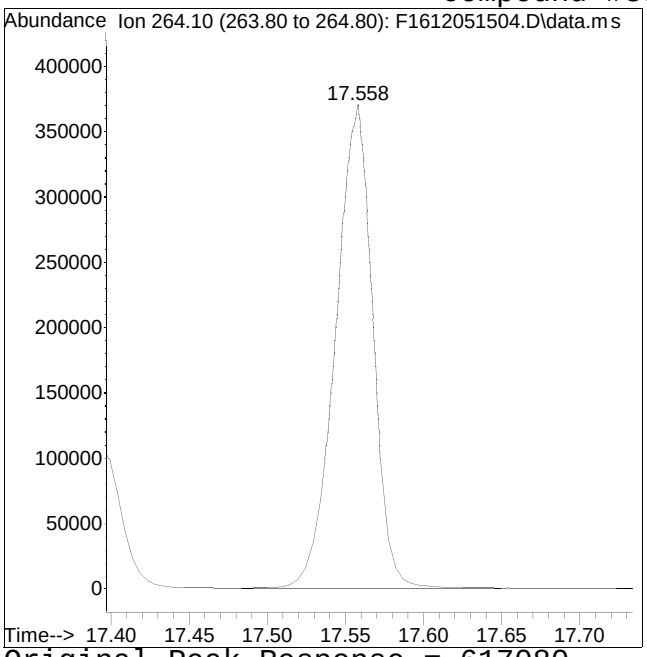
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

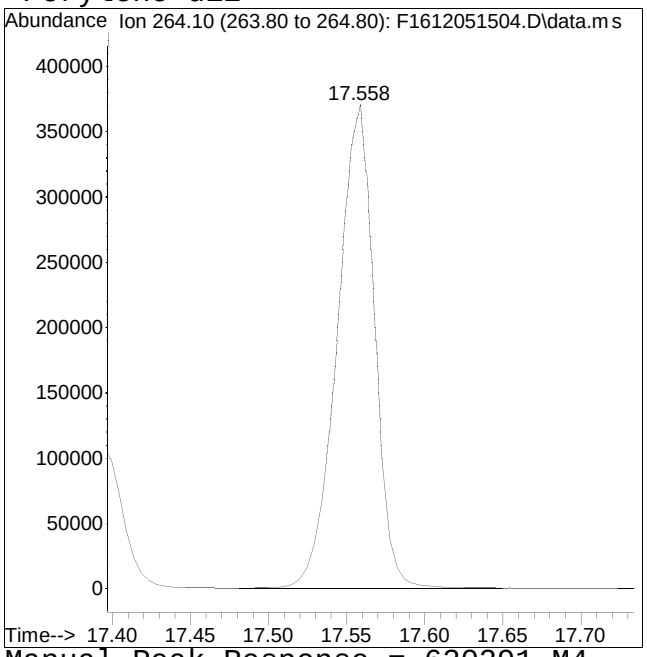
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051504.D
Date Inj'd : 12/5/2015 10:50 am
Sample : I1612051503

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:26 pm

Compound #85: Perylene-d12



Original Peak Response = 617080



Manual Peak Response = 620291 M4

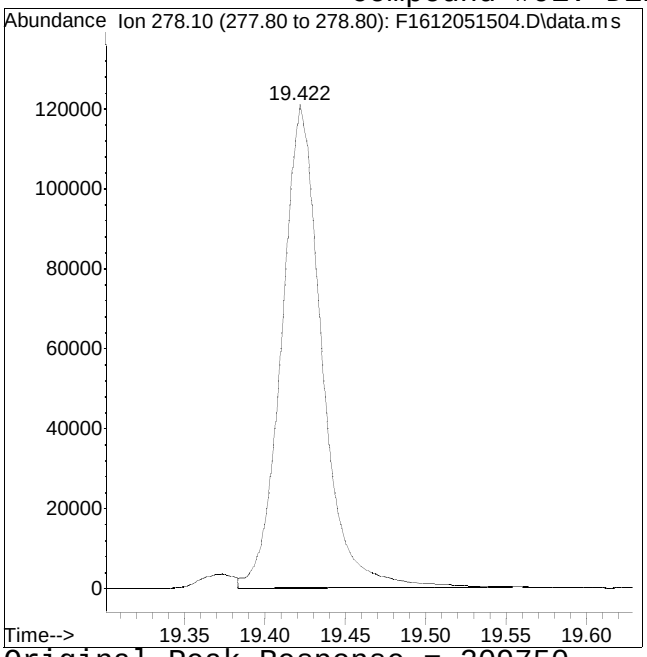
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

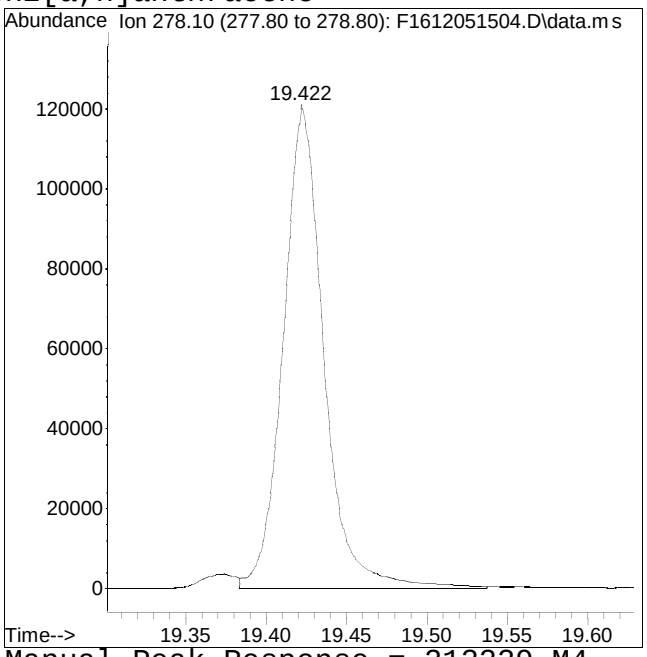
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051504.D
Date Inj'd : 12/5/2015 10:50 am
Sample : I1612051503

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:26 pm

Compound #91: Dibenz[a,h]anthracene



Original Peak Response = 209750



Manual Peak Response = 212229 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051505.D
Acq On : 5 Dec 2015 11:19 am
Operator : PAH16:JT
Sample : I1612051504
Misc : WG851800,MSAG49
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 07 16:42:41 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 07 13:51:11 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.590	152	243586	5.000	ug/mL	0.00
21) Naphthalene-d8	5.756	136	943967	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.456	164	444976	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.223	188	796993	5.000	ug/mL	0.00
76) Chrysene-d12	14.438	240	698535	5.000	ug/mL	0.00
85) Perylene-d12	17.558	264	717709M4	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.541	112	317690	4.658	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 23.29%			
8) Phenol-d5	4.273	99	424152	4.611	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 23.05%			
22) Nitrobenzene-d5	5.086	82	365167M4	4.584	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 22.92%#			
43) 2-Fluorobiphenyl	6.796	172	617765	4.898	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 24.49%#			
65) 2,4,6-Tribromophenol	8.313	330	58885	5.571	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 27.85%			
79) Terphenyl-d14	12.126	244	519234	4.994	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 24.97%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.611	74	188110	4.586	ug/mL#	90
3) Pyridine	2.631	79	348965	4.663	ug/mL#	83
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.311	93	501580	4.818	ug/ml#	1
7) bis(2-Chloroethyl)ether	4.359	63	261066	4.537	ug/mL	89
9) Phenol	4.287	94	429303	4.479	ug/mL#	89
10) 2-Chlorophenol	4.412	128	349750	4.647	ug/mL	93
11) 1,3-Dichlorobenzene	4.542	146	378150	4.670	ug/mL	100
12) 1,4-Dichlorobenzene	4.605	146	382816	4.695	ug/mL	99
13) 1,2-Dichlorobenzene	4.740	146	360466	4.706	ug/mL	99
14) Benzyl alcohol	4.711	108	228814	4.798	ug/mL	98
15) bis(2-chloroisopropyl)eth	4.826	45	499611	4.499	ug/mL#	43
16) 2-Methylphenol	4.812	108	308020M4	4.656	ug/mL	
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	5.038	117	152784	4.466	ug/mL	86
19) N-Nitroso-di-n-propylamin	4.947	70	258348	4.524	ug/mL	93
20) 4-Methylphenol	4.947	108	331884	4.615	ug/mL	100

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051505.D
Acq On : 5 Dec 2015 11:19 am
Operator : PAH16:JT
Sample : I1612051504
Misc : WG851800,MSAG49
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 07 16:42:41 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 07 13:51:11 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	5.106	77	380268	4.583	ug/mL	97
24) Isophorone	5.322	82	573311	4.654	ug/mL	98
25) 2-Nitrophenol	5.399	139	180959	4.694	ug/mL	91
26) 2,4-Dimethylphenol	5.438	107	273916	4.636	ug/mL	100
27) Benzoic acid	5.520	105	200453M4	3.626	ug/mL	
28) bis(2-Chloroethoxy)methan	5.525	93	386596	4.676	ug/mL	100
29) 2,4-Dichlorophenol	5.626	162	254154	4.718	ug/mL	97
30) 1,2,4-Trichlorobenzene	5.698	180	268851	4.679	ug/mL	99
31) Naphthalene	5.775	128	1009012	4.771	ug/mL	100
32) 2-Chloroaniline	5.366	127	510537	4.666	ug/ml	100
33) 4-Chloroaniline	5.833	127	416641M4	4.860	ug/mL	
34) Hexachlorobutadiene	5.886	225	138835	4.807	ug/mL	99
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	6.300	107	293230	4.668	ug/mL	98
37) 2-Methylnaphthalene	6.439	142	653459	4.761	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.598	216	246208	5.066	ug/mL	99
40) Hexachlorocyclopentadiene	6.584	237	99316	4.706	ug/mL	100
41) 2,4,6-Trichlorophenol	6.714	196	161885	4.753	ug/mL	99
42) 2,4,5-Trichlorophenol	6.752	196	175710M4	4.973	ug/mL	
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	6.911	162	574605	5.052	ug/mL	97
46) 2-Nitroaniline	7.017	65	208516	4.801	ug/mL	90
47) Acenaphthylene	7.316	152	996931	5.088	ug/mL	100
48) Dimethylphthalate	7.195	163	605504	4.897	ug/mL	99
49) 2,6-Dinitrotoluene	7.258	165	146731	5.071	ug/mL	90
50) Acenaphthene	7.489	153	609132	4.943	ug/mL	99
51) 3-Nitroaniline	7.422	138	171556	5.084	ug/mL	90
52) 2,4-Dinitrophenol	7.533	184	82590	4.541	ug/mL#	85
53) Dibenzofuran	7.663	168	810253	5.152	ug/mL	97
54) 2,3,4,6-Tetrachlorophenol	7.797	232	113853	4.903		96
55) 2,4-Dinitrotoluene	7.658	165	205931	5.148	ug/mL#	56
56) 4-Nitrophenol	7.610	109	91034	4.861	ug/mL	93
57) Fluorene	8.033	166	650035	5.021	ug/mL	99
58) 4-Chlorophenyl-phenylethe	8.033	204	277169	4.962	ug/mL	97
59) Diethylphthalate	7.913	149	650472	4.888	ug/mL	97
60) 4-Nitroaniline	8.062	138	166505M4	5.107	ug/mL	
62) 4,6-Dinitro-2-methylpheno	8.101	198	107158	4.224	ug/mL#	100
63) Azobenzene	8.216	182	184808	5.318	ug/mL	73
64) n-Nitrosodiphenylamine	8.168	169	457472	5.222	ug/mL	100
66) 4-Bromophenyl-phenylether	8.616	248	142846	5.344	ug/mL	96
67) Hexachlorobenzene	8.688	284	144304	5.428	ug/mL	94

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051505.D
Acq On : 5 Dec 2015 11:19 am
Operator : PAH16:JT
Sample : I1612051504
Misc : WG851800,MSAG49
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 07 16:42:41 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 07 13:51:11 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Atrazine	0.000		0	N.D.	d	
69) Pentachlorophenol	8.963	266	81250	4.607	ug/mL	100
70) Pentachloronitrobenzene	8.968	237	65233	4.961	ug/ml	98
71) Phenanthrene	9.256	178	860902	4.947	ug/mL	99
72) Anthracene	9.329	178	864683M4	5.102	ug/mL	
73) Carbazole	9.589	167	843030	5.110	ug/mL	99
74) Di-n-butylphthalate	10.200	149	1049211	5.153	ug/mL#	98
75) Fluoranthene	11.279	202	859287	5.029	ug/mL#	93
77) Benzidine	0.000		0	N.D.		
78) Pyrene	11.722	202	885137	5.054	ug/mL#	91
80) Butylbenzylphthalate	13.311	149	474680	5.113	ug/mL	88
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	14.414	228	773487	4.969	ug/mL	99
83) Chrysene	14.496	228	745336M4	5.024	ug/mL	
84) bis(2-Ethylhexyl)phthalat	14.775	149	631483	5.242	ug/mL#	93
86) Di-n-octylphthalate	16.306	149	1189955	4.690	ug/mL	99
87) Benzo[b]fluoranthene	16.816	252	798190	4.808	ug/mL	97
88) Benzo[k]fluoranthene	16.874	252	784687M4	4.947	ug/mL	
89) Benzo[a]pyrene	17.447	252	768723	4.924	ug/mL#	97
90) Indeno[1,2,3-cd]pyrene	19.378	276	644662	4.809	ug/mL	95
91) Dibenz[a,h]anthracene	19.431	278	650249M4	4.915	ug/mL	
92) Benzo[g,h,i]perylene	19.788	276	688093	4.964	ug/mL#	88

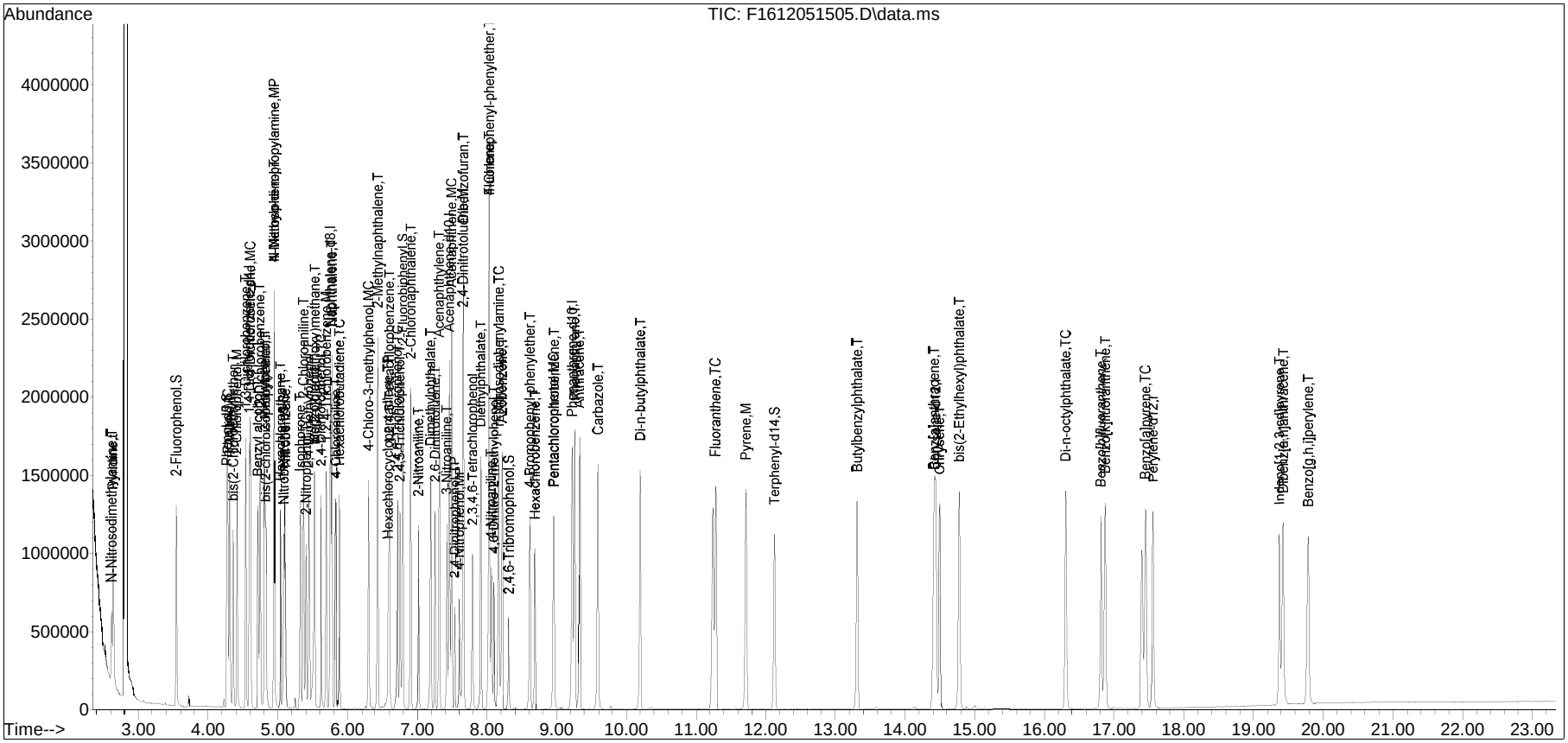
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051505.D
Acq On : 5 Dec 2015 11:19 am
Operator : PAH16:JT
Sample : I1612051504
Misc : WG851800,MSAG49
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 07 16:42:41 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 07 13:51:11 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

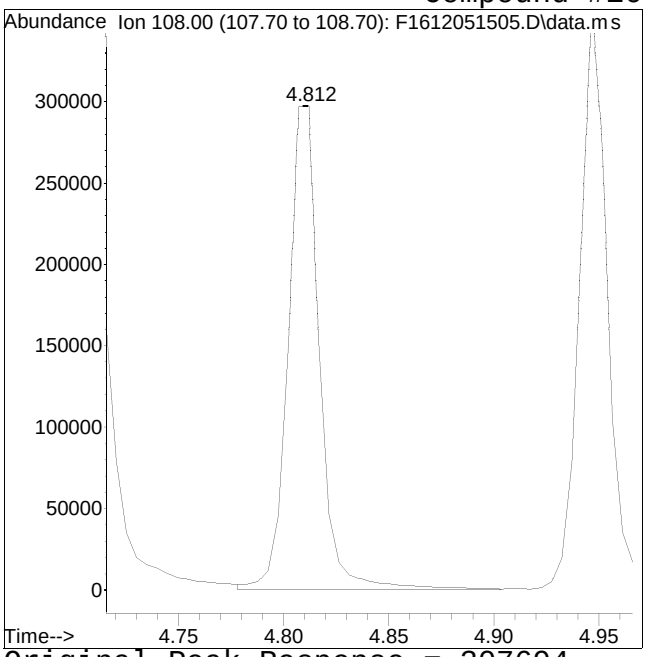


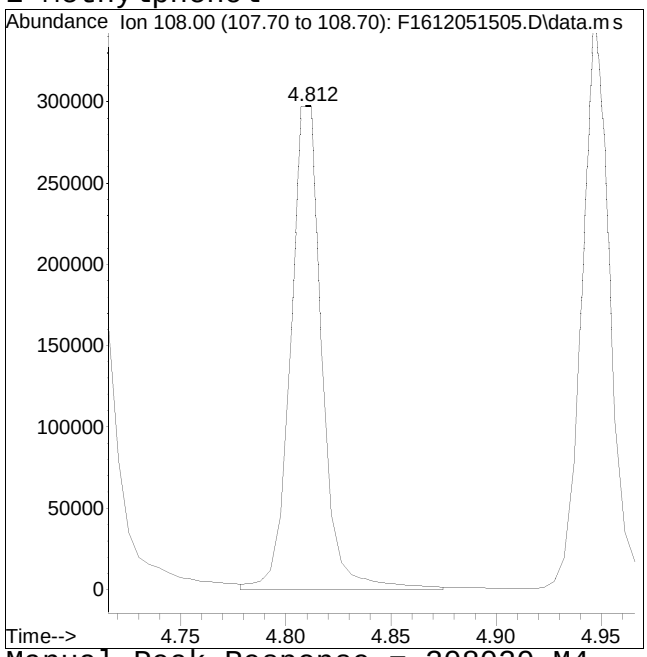
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051505.D
Date Inj'd : 12/5/2015 11:19 am
Sample : I1612051504

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 1:51 pm

Compound #16: 2-Methylphenol





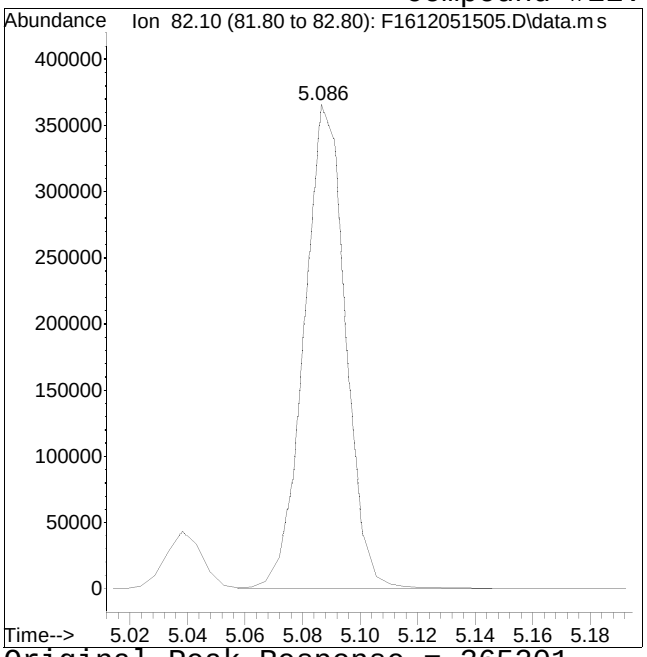
Original Peak Response = 307694 Manual Peak Response = 308020 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

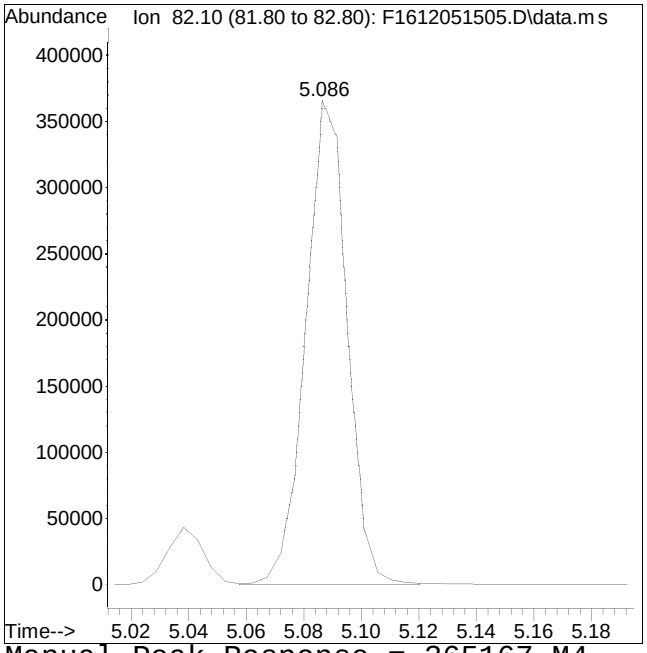
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051505.D
Date Inj'd : 12/5/2015 11:19 am
Sample : I1612051504

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 1:51 pm

Compound #22: Nitrobenzene-d5



Original Peak Response = 365201



Manual Peak Response = 365167 M4

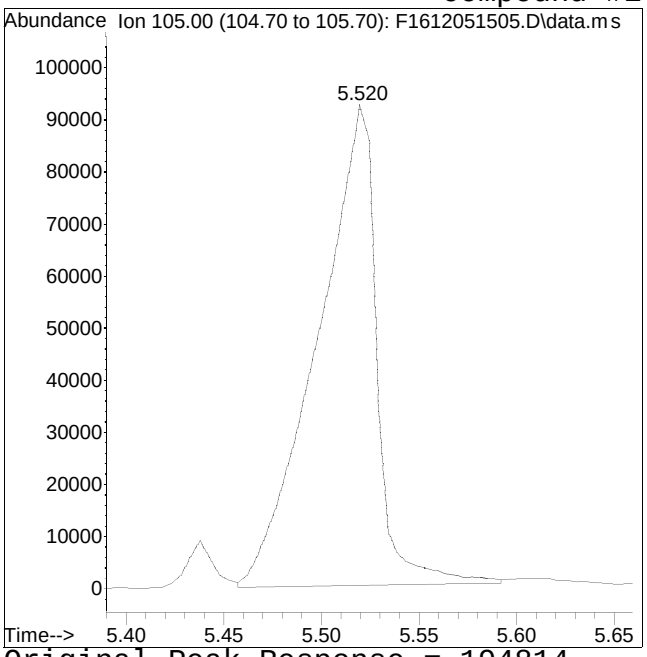
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

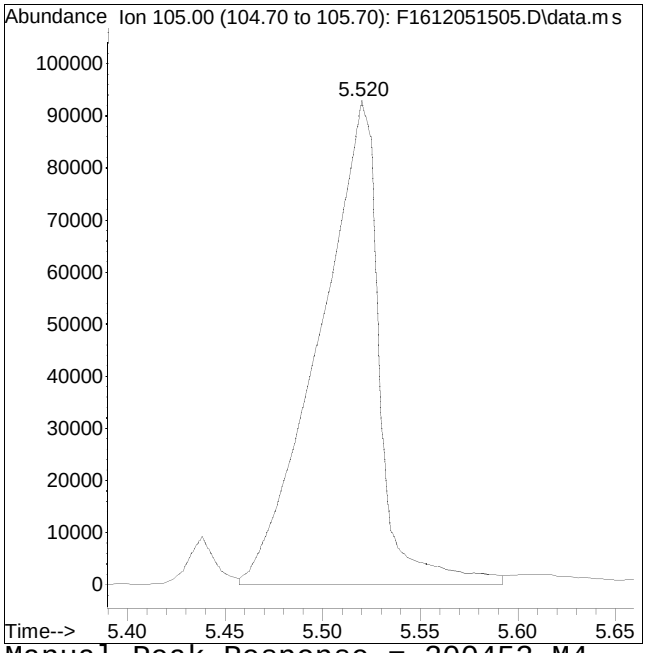
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051505.D
Date Inj'd : 12/5/2015 11:19 am
Sample : I1612051504

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 1:51 pm

Compound #27: Benzoic acid



Original Peak Response = 194814



Manual Peak Response = 200453 M4

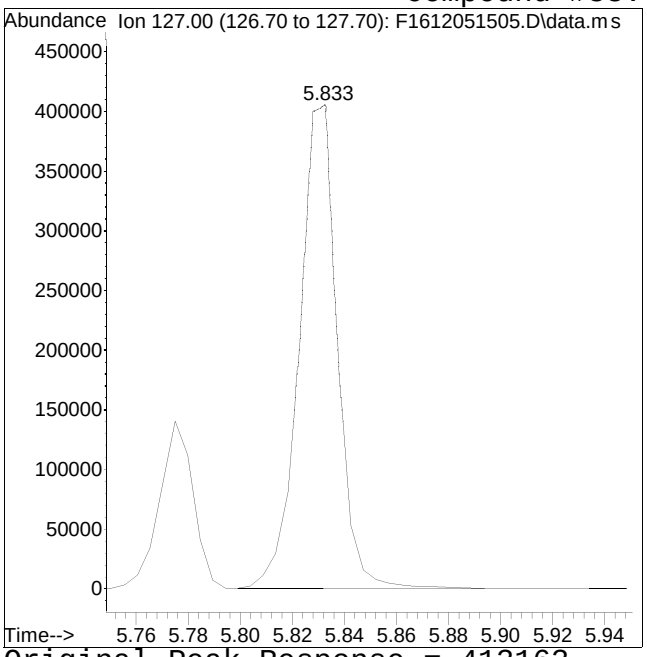
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

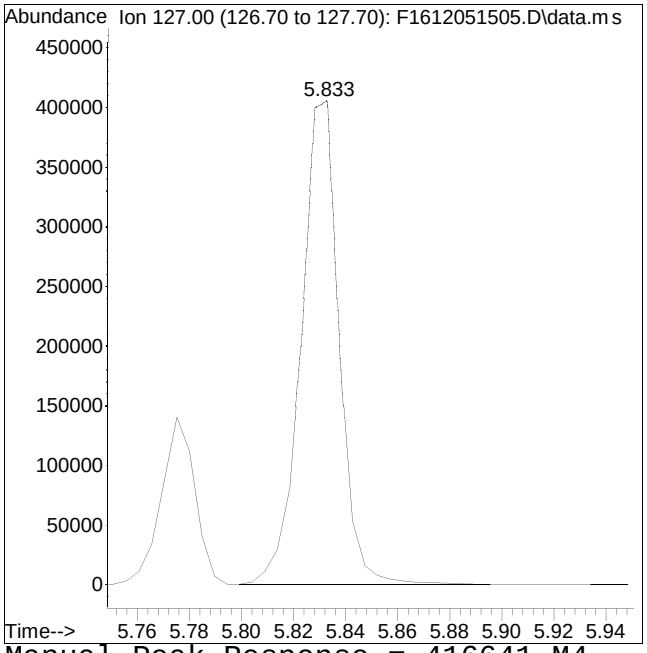
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051505.D
Date Inj'd : 12/5/2015 11:19 am
Sample : I1612051504

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 1:51 pm

Compound #33: 4-Chloroaniline



Original Peak Response = 413163



Manual Peak Response = 416641 M4

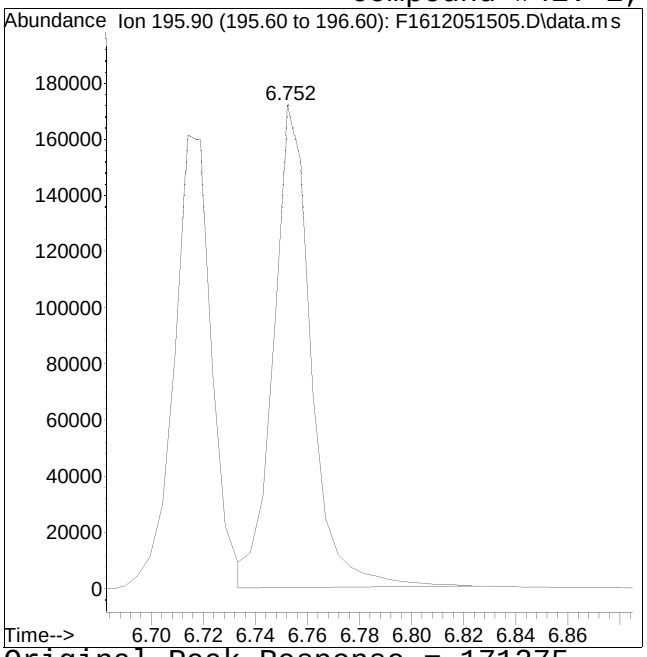
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

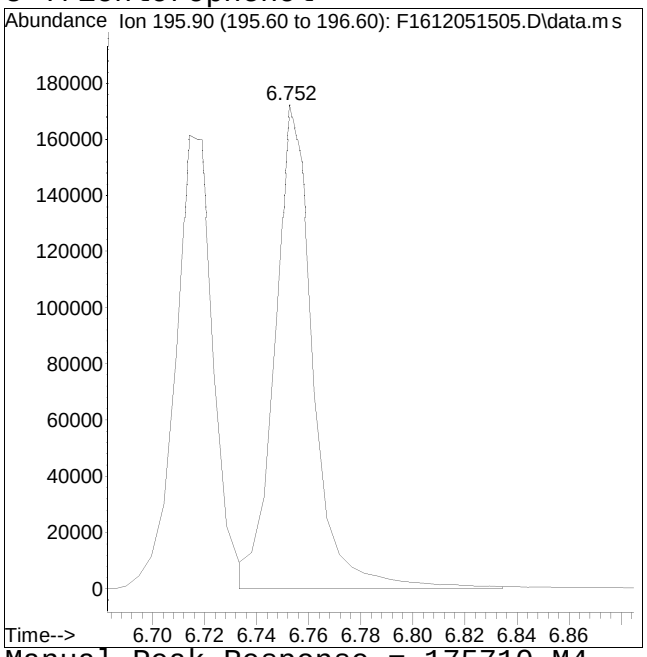
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051505.D
Date Inj'd : 12/5/2015 11:19 am
Sample : I1612051504

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 1:51 pm

Compound #42: 2,4,5-Trichlorophenol



Original Peak Response = 171275



Manual Peak Response = 175710 M4

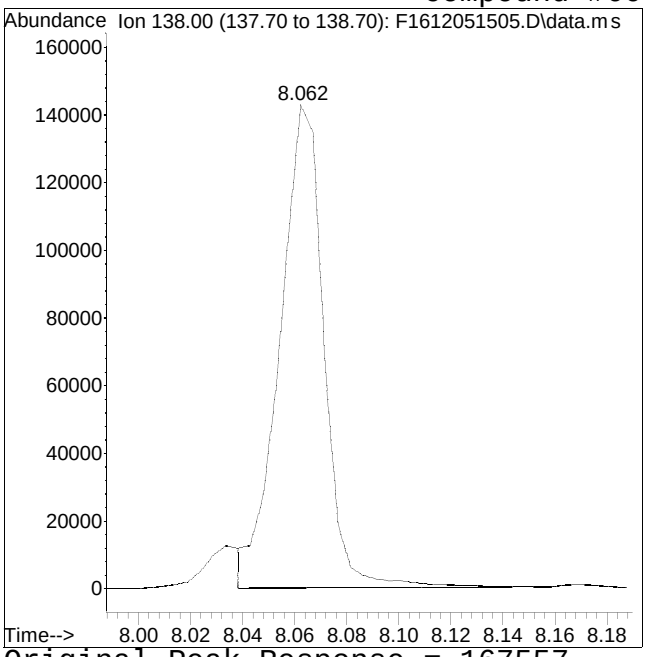
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

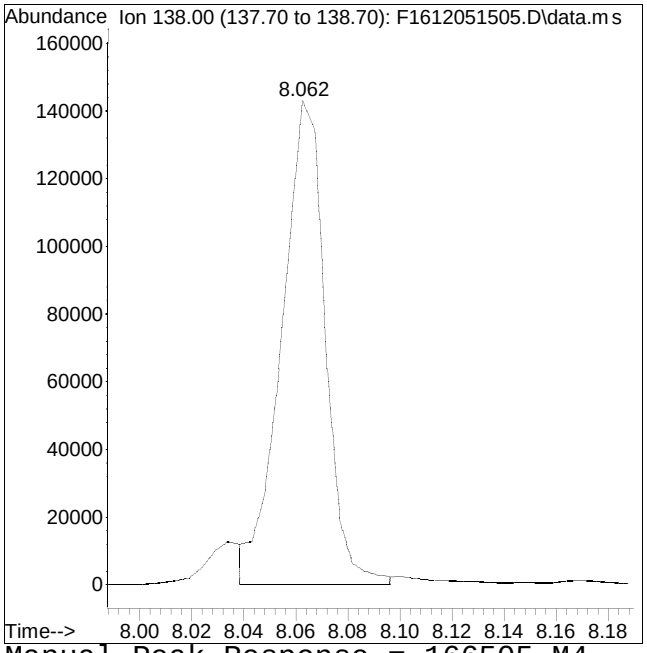
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051505.D
Date Inj'd : 12/5/2015 11:19 am
Sample : I1612051504

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 1:51 pm

Compound #60: 4-Nitroaniline



Original Peak Response = 167557



Manual Peak Response = 166505 M4

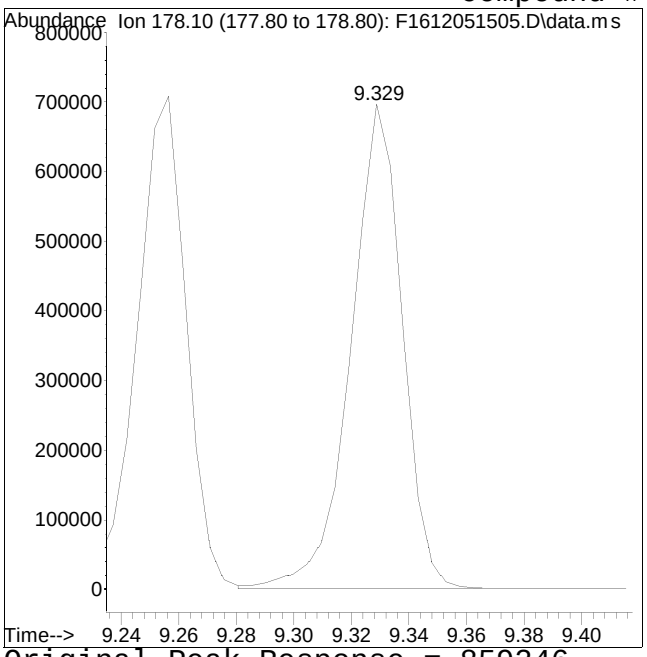
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

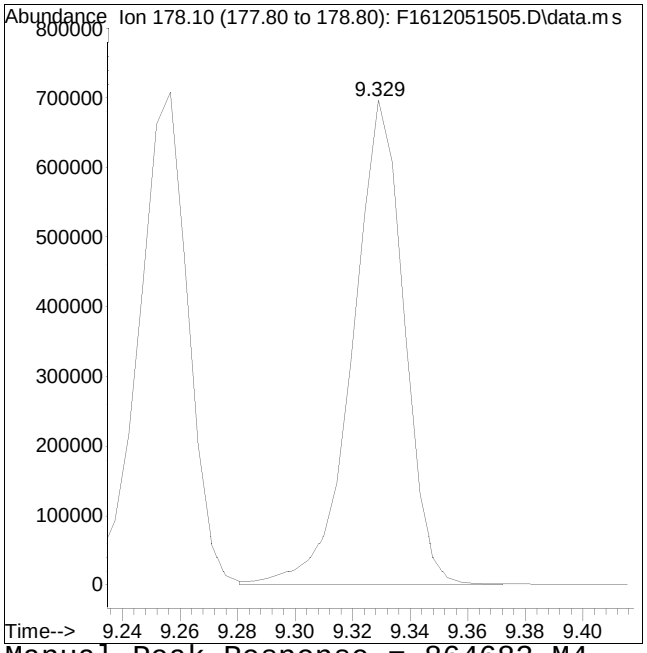
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051505.D
Date Inj'd : 12/5/2015 11:19 am
Sample : I1612051504

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 1:51 pm

Compound #72: Anthracene



Original Peak Response = 859246



Manual Peak Response = 864683 M4

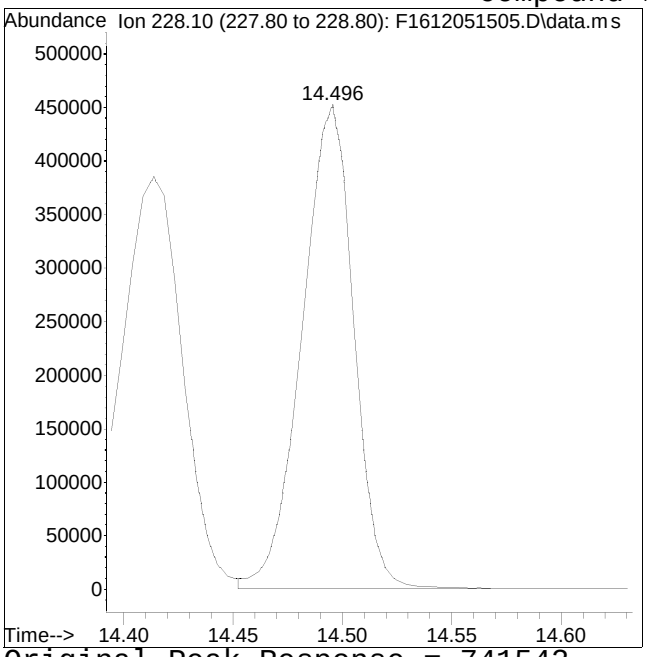
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

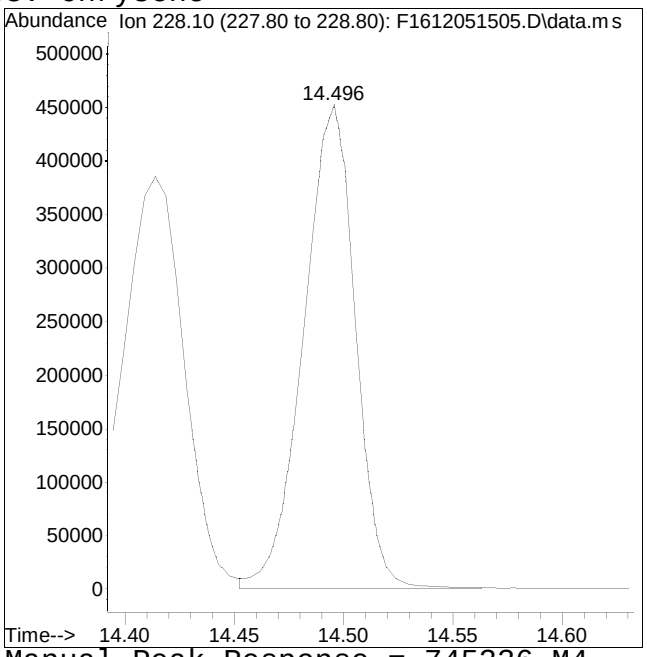
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051505.D
Date Inj'd : 12/5/2015 11:19 am
Sample : I1612051504

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 1:51 pm

Compound #83: Chrysene



Original Peak Response = 741542



Manual Peak Response = 745336 M4

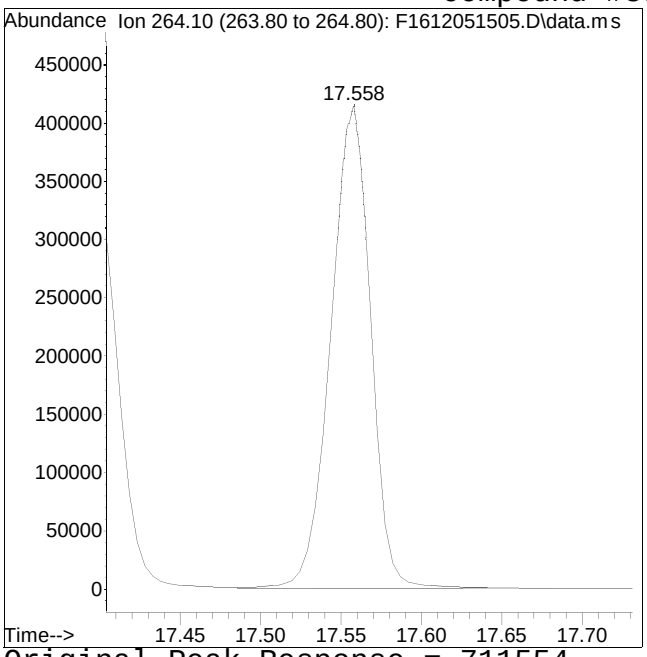
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

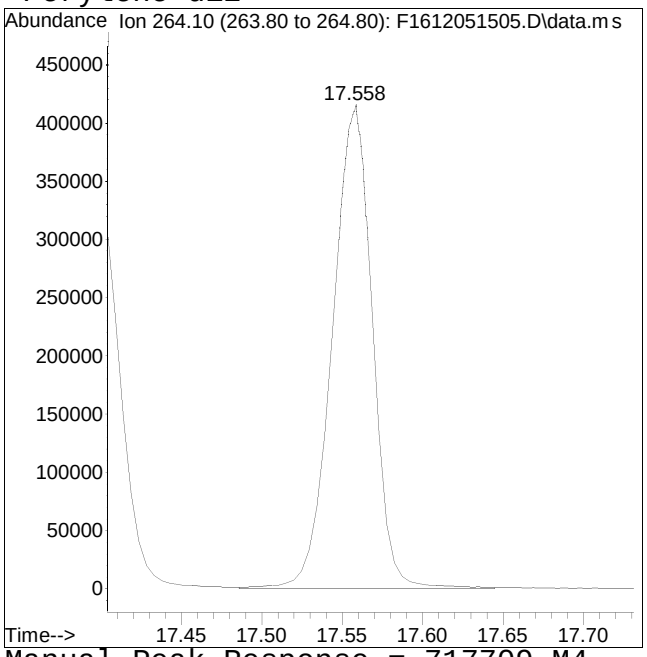
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051505.D
Date Inj'd : 12/5/2015 11:19 am
Sample : I1612051504

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 1:51 pm

Compound #85: Perylene-d12



Original Peak Response = 711554



Manual Peak Response = 717709 M4

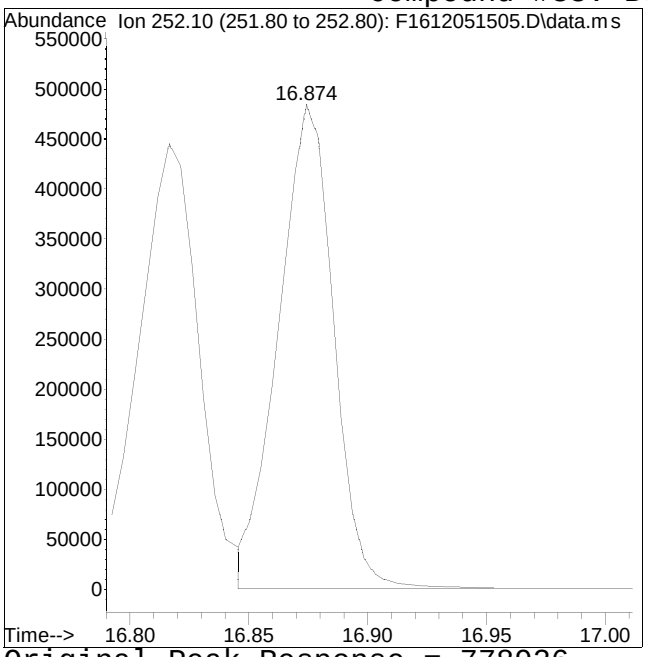
M4 = Poor automated baseline construction.

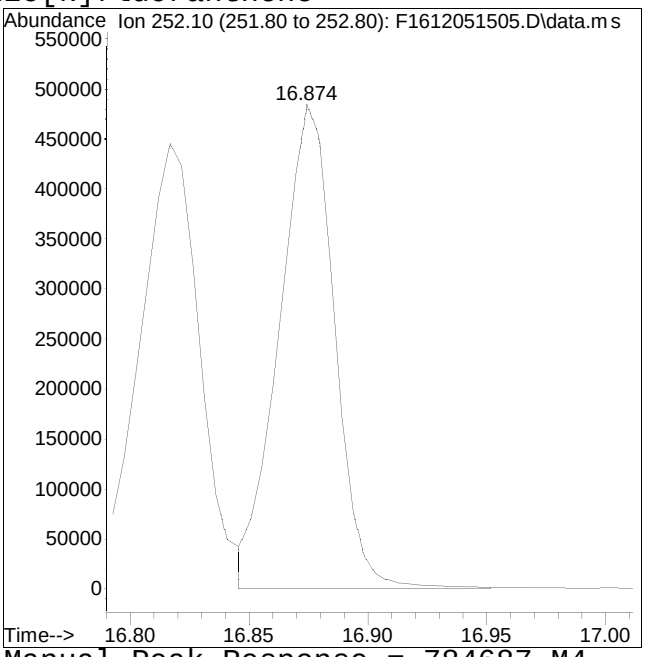
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051505.D
Date Inj'd : 12/5/2015 11:19 am
Sample : I1612051504

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 1:51 pm

Compound #88: Benzo[k]fluoranthene





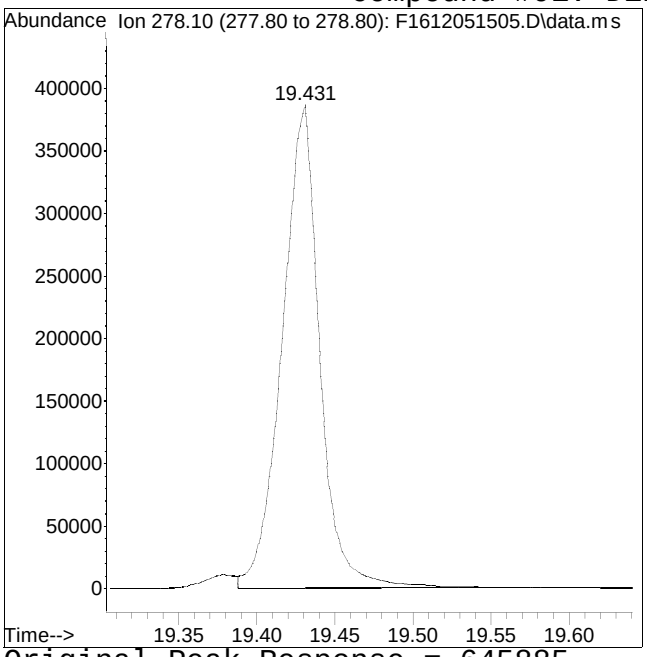
Original Peak Response = 778926 Manual Peak Response = 784687 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

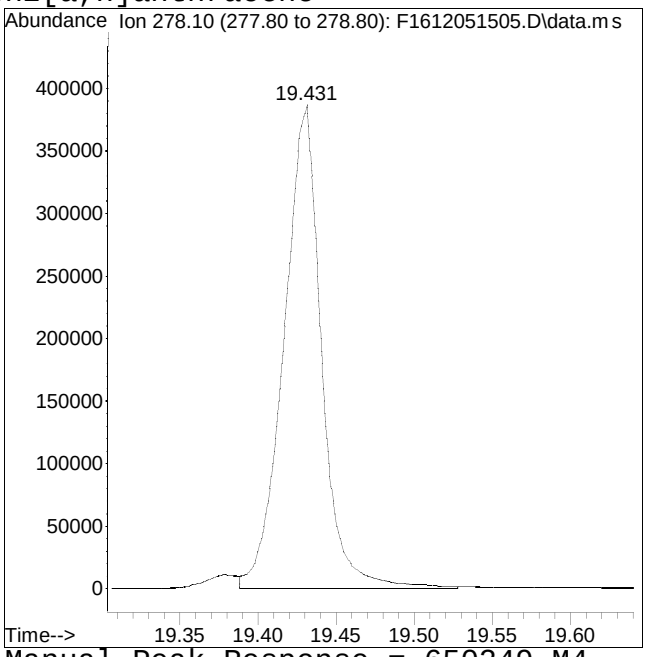
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051505.D
Date Inj'd : 12/5/2015 11:19 am
Sample : I1612051504

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 1:51 pm

Compound #91: Dibenz[a,h]anthracene



Original Peak Response = 645885



Manual Peak Response = 650249 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051506.D
Acq On : 5 Dec 2015 11:48 am
Operator : PAH16:JT
Sample : I1612051505
Misc : WG851800,MSAG48
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 17 15:33:42 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:34:07 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.590	152	210226	5.000	ug/mL	0.00
21) Naphthalene-d8	5.756	136	810990	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.456	164	415593	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.223	188	791834	5.000	ug/mL	0.00
76) Chrysene-d12	14.443	240	679428	5.000	ug/mL	0.00
85) Perylene-d12	17.563	264	563248M4	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.541	112	607108	10.313	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 51.57%			
8) Phenol-d5	4.277	99	823371	10.372	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 51.86%			
22) Nitrobenzene-d5	5.091	82	722140	10.551	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 52.75%			
43) 2-Fluorobiphenyl	6.796	172	1186075	10.069	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 50.35%			
65) 2,4,6-Tribromophenol	8.313	330	101544	9.670	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 48.35%			
79) Terphenyl-d14	12.131	244	1033819	10.223	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 51.12%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.621	74	375794	10.616	ug/mL#	87
3) Pyridine	2.631	79	686587	10.630	ug/mL#	83
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.311	93	816032M4	9.082	ug/ml	
7) bis(2-Chloroethyl)ether	4.359	63	521935	10.510	ug/mL	84
9) Phenol	4.287	94	848004	10.335	ug/mL#	84
10) 2-Chlorophenol	4.412	128	660818	10.174	ug/mL#	92
11) 1,3-Dichlorobenzene	4.542	146	706548	10.110	ug/mL	100
12) 1,4-Dichlorobenzene	4.610	146	714866	10.159	ug/mL	98
13) 1,2-Dichlorobenzene	4.740	146	669279	10.123	ug/mL	100
14) Benzyl alcohol	4.716	108	431542	10.484	ug/mL	94
15) bis(2-chloroisopropyl)eth	4.826	45	1034034	10.788	ug/mL#	46
16) 2-Methylphenol	4.812	108	578627M4	10.135	ug/mL	
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	5.038	117	305339	10.342	ug/mL#	83
19) N-Nitroso-di-n-propylamin	4.952	70	518064	10.512	ug/mL#	89
20) 4-Methylphenol	4.952	108	641167	10.330	ug/mL	99
23) Nitrobenzene	5.111	77	755314	10.595	ug/mL	96

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051506.D
Acq On : 5 Dec 2015 11:48 am
Operator : PAH16:JT
Sample : I1612051505
Misc : WG851800,MSAG48
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 17 15:33:42 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:34:07 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.327	82	1121641	10.599	ug/mL	97
25) 2-Nitrophenol	5.399	139	350250	10.575	ug/mL	92
26) 2,4-Dimethylphenol	5.438	107	520173	10.247	ug/mL	100
27) Benzoic acid	5.549	105	436377M4	9.984	ug/mL	
28) bis(2-Chloroethoxy)methan	5.525	93	754201	10.618	ug/mL	100
29) 2,4-Dichlorophenol	5.631	162	484840	10.476	ug/mL	96
30) 1,2,4-Trichlorobenzene	5.703	180	506591	10.263	ug/mL	98
31) Naphthalene	5.780	128	1888879	10.395	ug/mL	100
32) 2-Chloroaniline	5.366	127	980867	10.434	ug/ml	99
33) 4-Chloroaniline	5.833	127	745274	10.118	ug/mL#	1
34) Hexachlorobutadiene	5.886	225	253382	10.212	ug/mL	100
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	6.300	107	574870	10.653	ug/mL	98
37) 2-Methylnaphthalene	6.440	142	1235553	10.478	ug/mL	100
39) 1,2,4,5-Tetrachlorobenzen	6.603	216	446694	9.841	ug/mL	99
40) Hexachlorocyclopentadiene	6.589	237	209068	9.662	ug/mL	100
41) 2,4,6-Trichlorophenol	6.719	196	320957	10.090	ug/mL	99
42) 2,4,5-Trichlorophenol	6.757	196	332333	10.072	ug/mL	99
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	6.916	162	1055573	9.938	ug/mL	95
46) 2-Nitroaniline	7.022	65	425701	10.494	ug/mL#	83
47) Acenaphthylene	7.321	152	1859316	10.160	ug/mL	99
48) Dimethylphthalate	7.200	163	1155280	10.003	ug/mL	99
49) 2,6-Dinitrotoluene	7.263	165	279664	10.349	ug/mL#	86
50) Acenaphthene	7.489	153	1172586	10.187	ug/mL	99
51) 3-Nitroaniline	7.427	138	326658	10.365	ug/mL	88
52) 2,4-Dinitrophenol	7.537	184	187510	9.805	ug/mL#	80
53) Dibenzofuran	7.667	168	1484804	10.109	ug/mL	94
54) 2,3,4,6-Tetrachlorophenol	7.797	232	222846	10.276		95
55) 2,4-Dinitrotoluene	7.663	165	387661	10.375	ug/mL#	41
56) 4-Nitrophenol	7.614	109	192667	11.014	ug/mL	86
57) Fluorene	8.033	166	1264372	10.456	ug/mL	99
58) 4-Chlorophenyl-phenylethe	8.033	204	534953	10.254	ug/mL	95
59) Diethylphthalate	7.918	149	1270587	10.224	ug/mL	97
60) 4-Nitroaniline	8.072	138	310555M4	10.199	ug/mL	
62) 4,6-Dinitro-2-methylpheno	8.106	198	218263	9.668	ug/mL#	100
63) Azobenzene	8.221	182	341890	9.903	ug/mL	63
64) n-Nitrosodiphenylamine	8.173	169	862513	9.910	ug/mL	100
66) 4-Bromophenyl-phenylether	8.621	248	259188	9.760	ug/mL	91
67) Hexachlorobenzene	8.688	284	249332	9.440	ug/mL#	86
68) Atrazine	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051506.D
Acq On : 5 Dec 2015 11:48 am
Operator : PAH16:JT
Sample : I1612051505
Misc : WG851800,MSAG48
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 17 15:33:42 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:34:07 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	8.963	266	184506	9.679	ug/mL	99
70) Pentachloronitrobenzene	8.972	237	132982	10.179	ug/ml	100
71) Phenanthrene	9.261	178	1726805	9.987	ug/mL	100
72) Anthracene	9.334	178	1706135M4	10.132	ug/mL	
73) Carbazole	9.594	167	1657473	10.112	ug/mL	98
74) Di-n-butylphthalate	10.205	149	2083827	10.301	ug/mL#	98
75) Fluoranthene	11.289	202	1706985	10.056	ug/mL#	92
77) Benzidine	0.000		0	N.D.		
78) Pyrene	11.727	202	1756016	10.309	ug/mL#	91
80) Butylbenzylphthalate	13.316	149	957873	10.607	ug/mL	88
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	14.423	228	1510401	9.977	ug/mL	99
83) Chrysene	14.505	228	1444905	10.014	ug/mL	99
84) bis(2-Ethylhexyl)phthalat	14.780	149	1248079	10.653	ug/mL#	92
86) Di-n-octylphthalate	16.311	149	2217837	11.137	ug/mL	100
87) Benzo[b]fluoranthene	16.826	252	1319637	10.128	ug/mL#	96
88) Benzo[k]fluoranthene	16.889	252	1284475M4	10.319	ug/mL	
89) Benzo[a]pyrene	17.462	252	1244464	10.157	ug/mL#	96
90) Indeno[1,2,3-cd]pyrene	19.393	276	1062101	10.097	ug/mL#	93
91) Dibenz[a,h]anthracene	19.441	278	1045095M4	10.066	ug/mL	
92) Benzo[g,h,i]perylene	19.802	276	1107841	10.184	ug/mL#	85

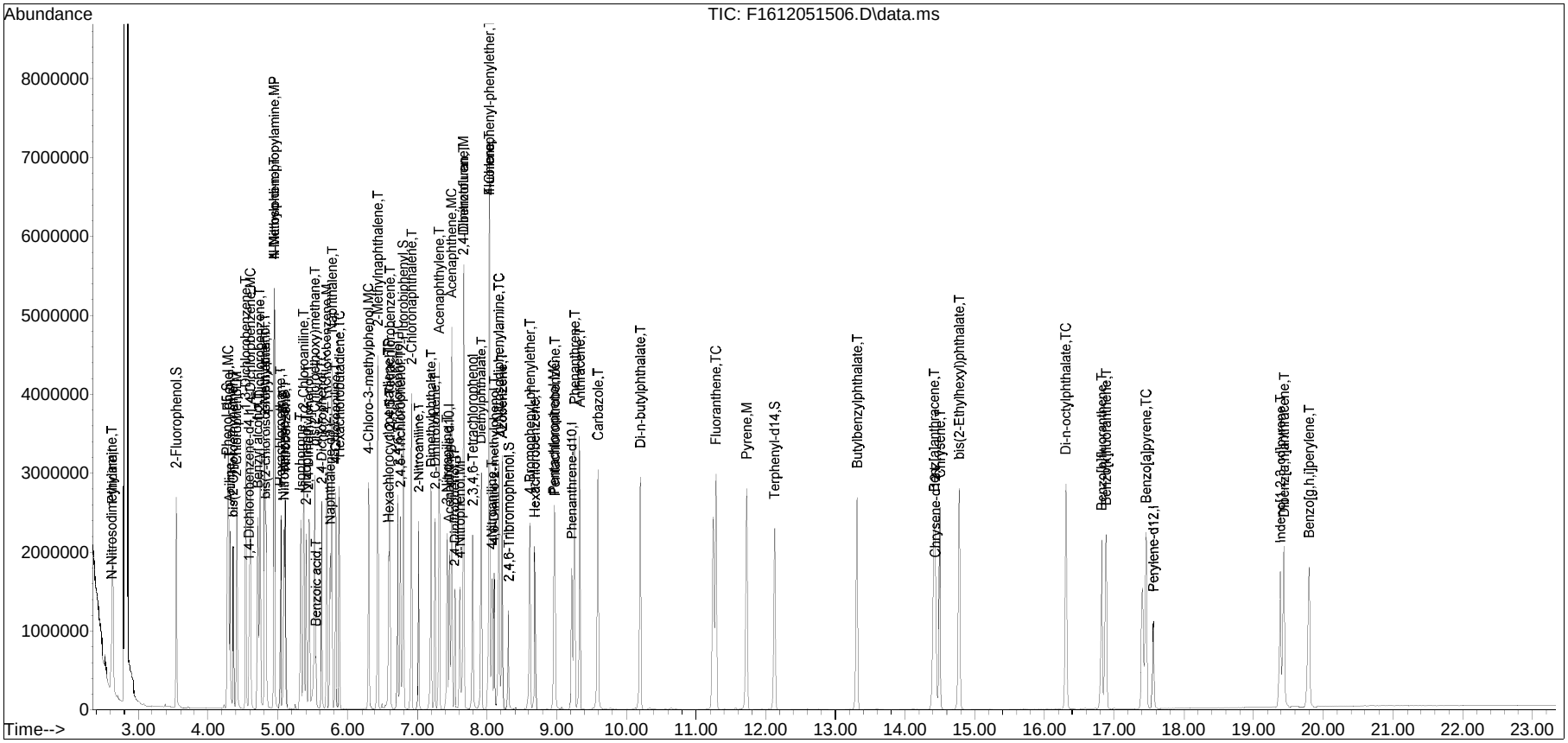
(#) = qualifier out of range (m) = manual integration (+) = signals summed

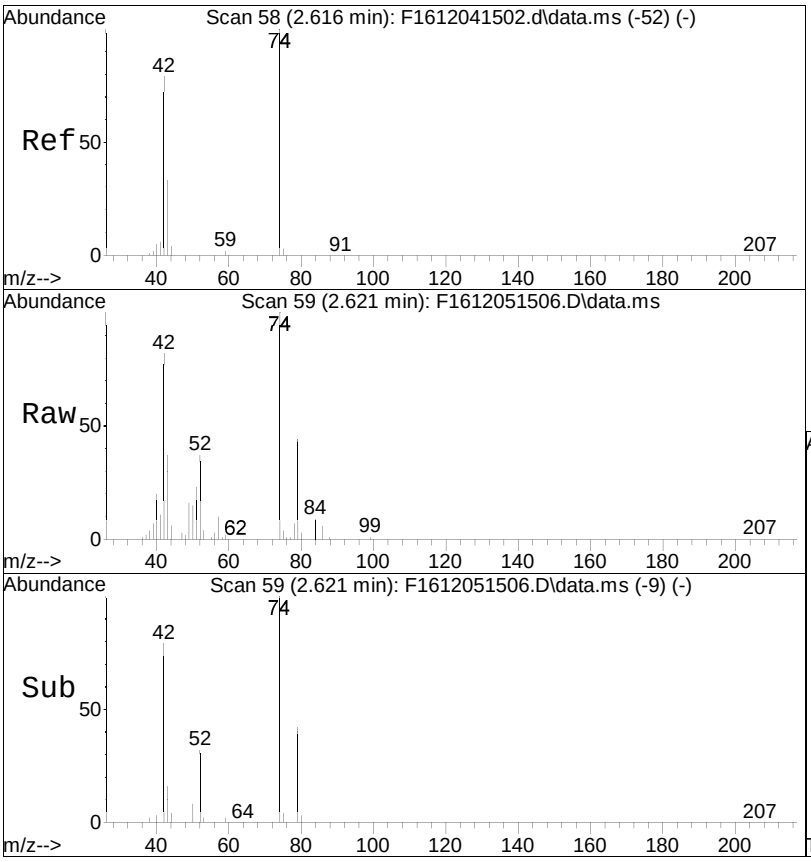
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051506.D
Acq On : 5 Dec 2015 11:48 am
Operator : PAH16:JT
Sample : I1612051505
Misc : WG851800,MSAG48
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 17 15:33:42 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:34:07 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

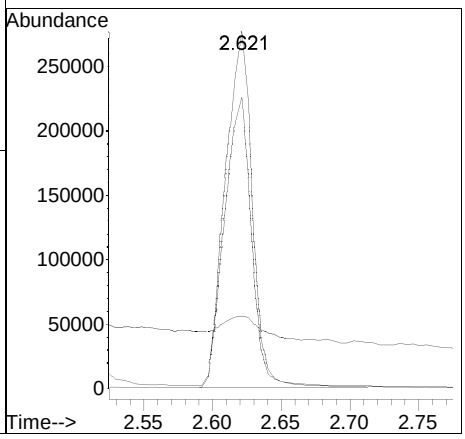


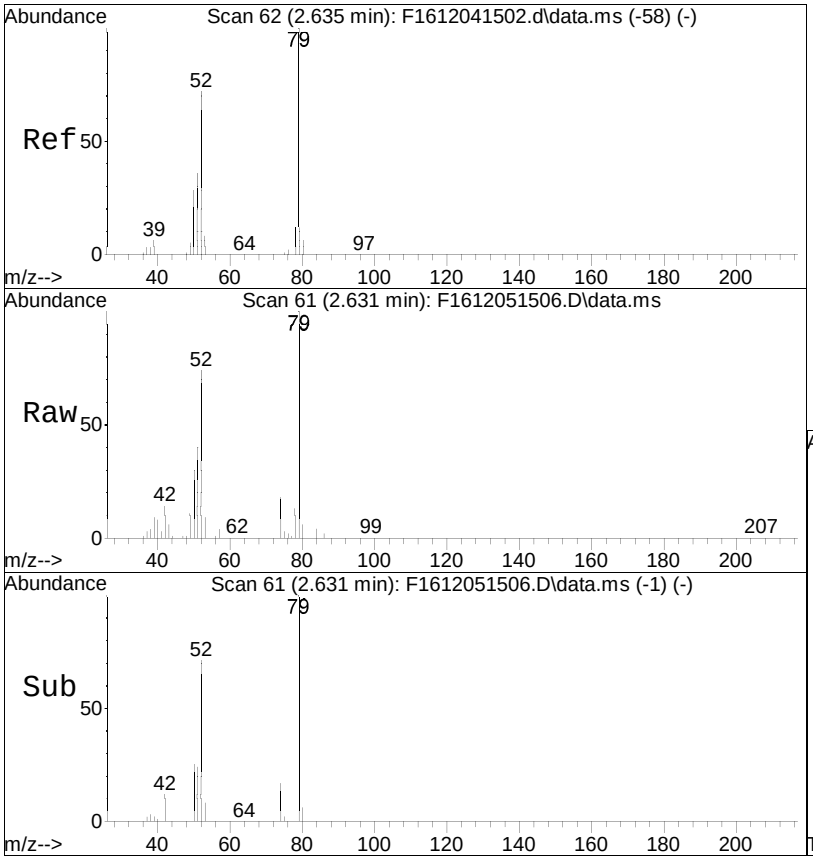


#2
N-Nitrosodimethylamine
Concen: 10.62 ug/mL
RT: 2.621 min Scan# 59
Delta R.T. 0.005 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion: 74 Resp: 375794

Ion	Ratio	Lower	Upper
74	100		
42	79.8	55.2	82.8
40	9.8	4.4	6.6#

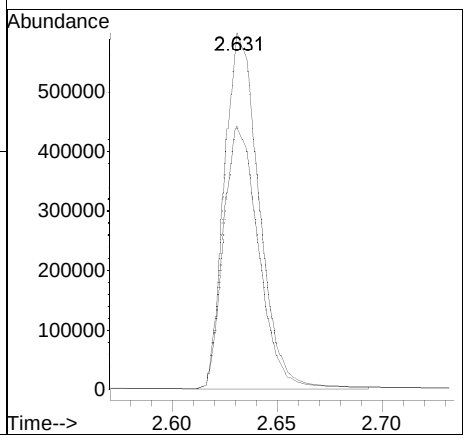


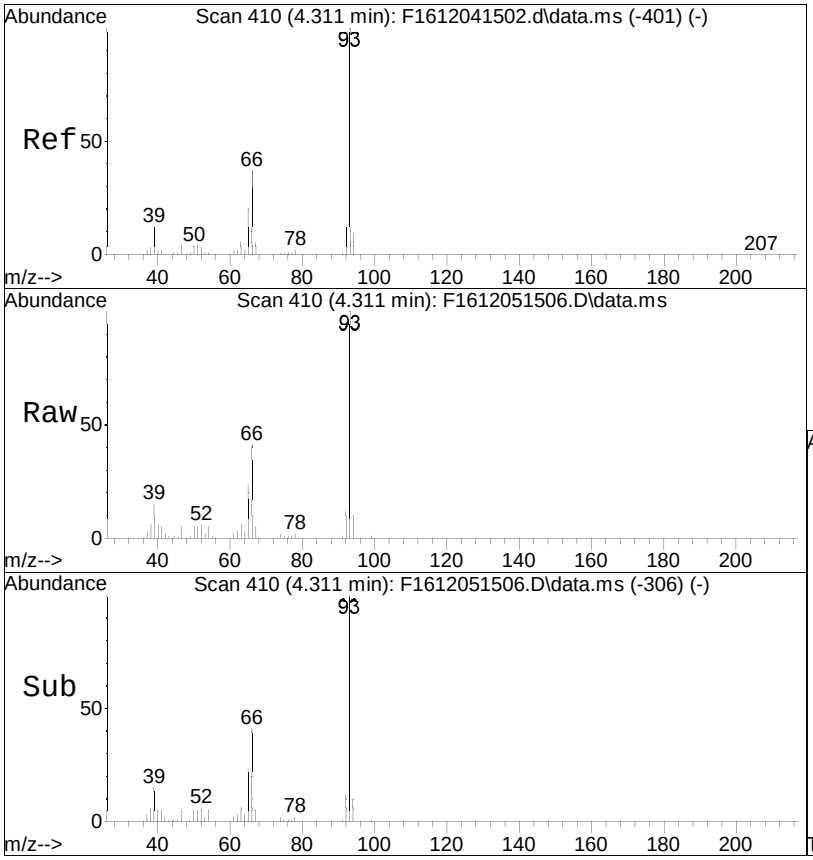


#3
Pyridine
Concen: 10.63 ug/mL
RT: 2.631 min Scan# 61
Delta R.T. -0.004 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion: 79 Resp: 686587

Ion	Ratio	Lower	Upper
79	100		
52	74.7	49.5	74.3#

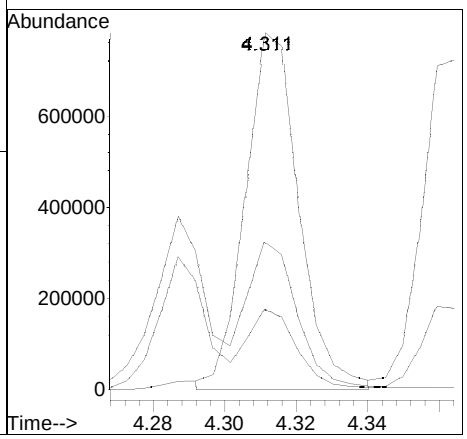


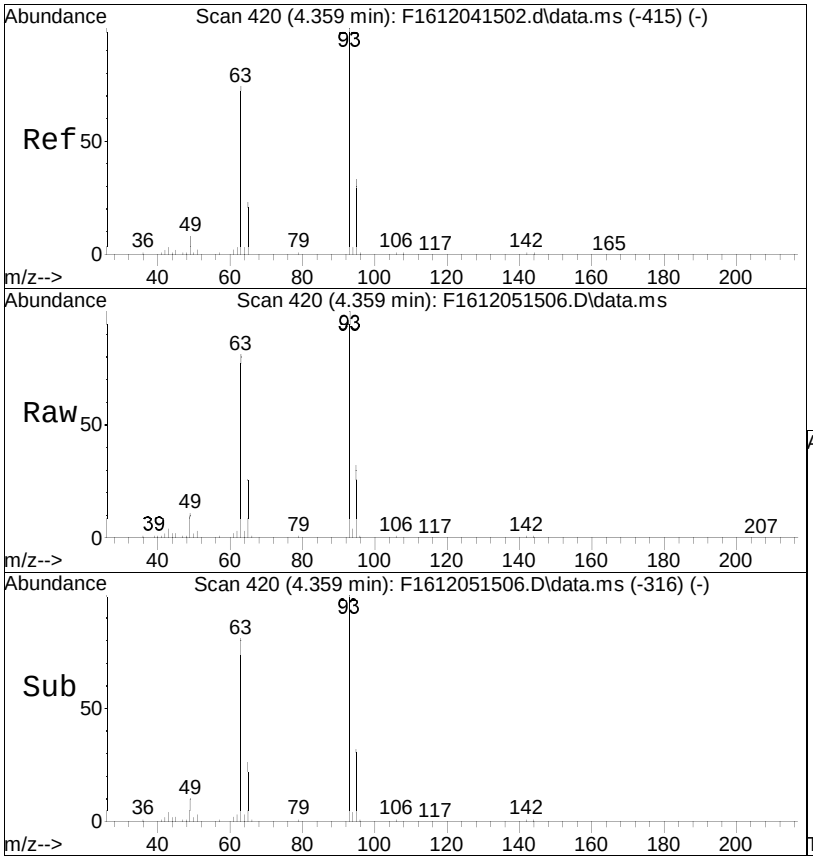


#6
Aniline
Concen: 9.08 ug/ml M4
RT: 4.311 min Scan# 410
Delta R.T. 0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion: 93 Resp: 816032

Ion	Ratio	Lower	Upper
93	100		
66	38.6	220.7	331.1#
65	20.8	23.4	35.2#

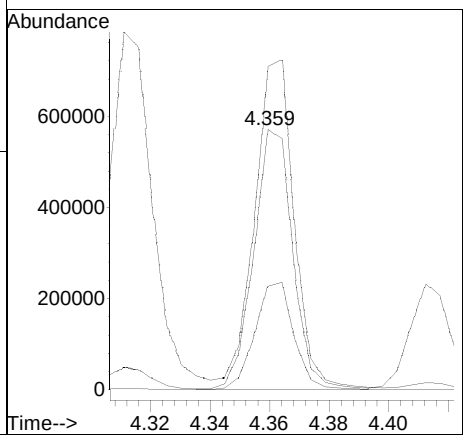


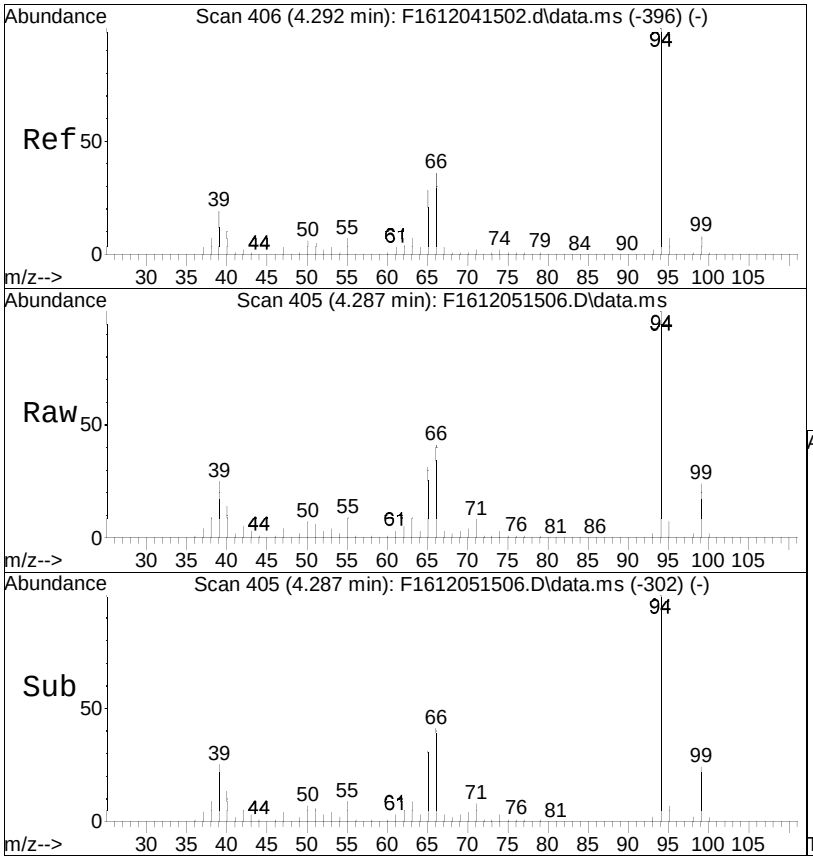


#7
bis(2-Chloroethyl)ether
Concen: 10.51 ug/mL
RT: 4.359 min Scan# 420
Delta R.T. 0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion: 63 Resp: 521935

Ion	Ratio	Lower	Upper
63	100		
93	125.9	118.5	177.7
95	41.0	38.8	58.2

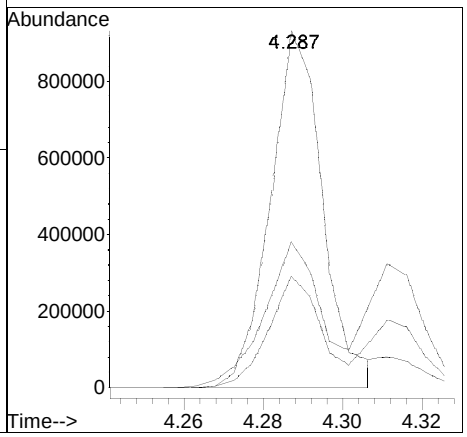


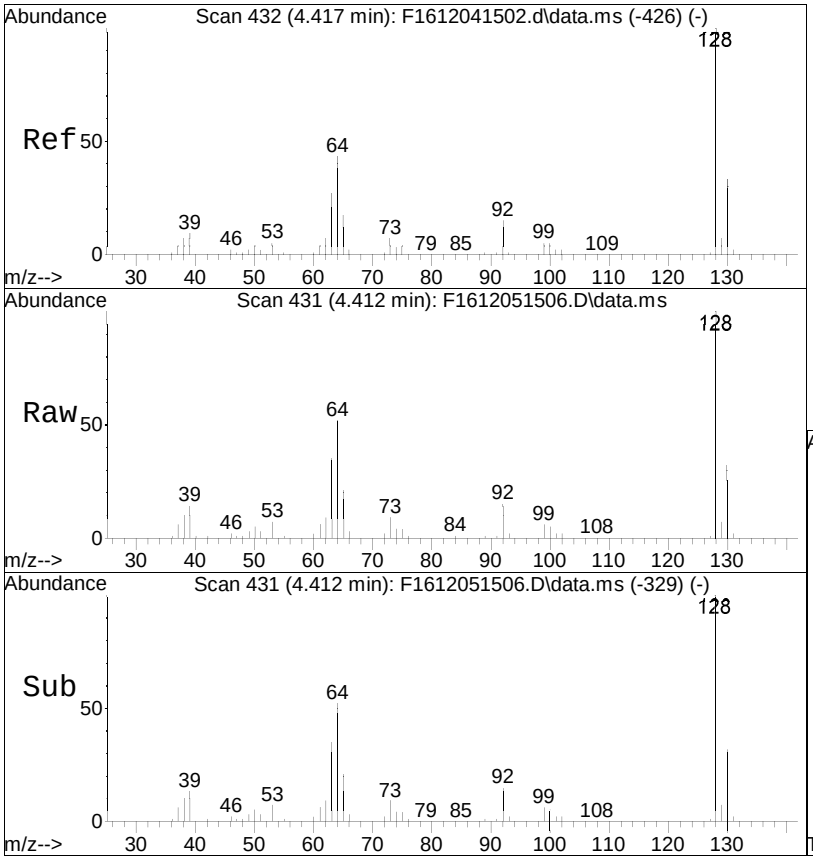


#9
Phenol
Concen: 10.33 ug/mL
RT: 4.287 min Scan# 405
Delta R.T. -0.005 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion: 94 Resp: 848004

Ion	Ratio	Lower	Upper
94	100		
66	45.7	27.5	41.3#
65	32.1	20.7	31.1#

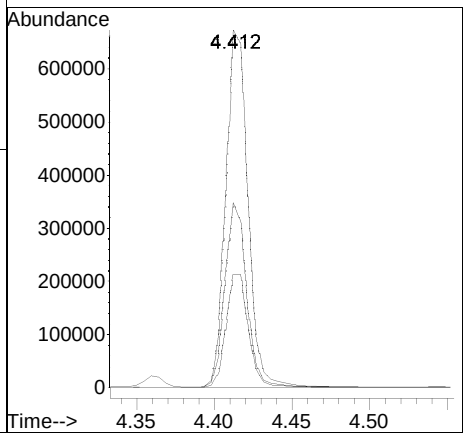


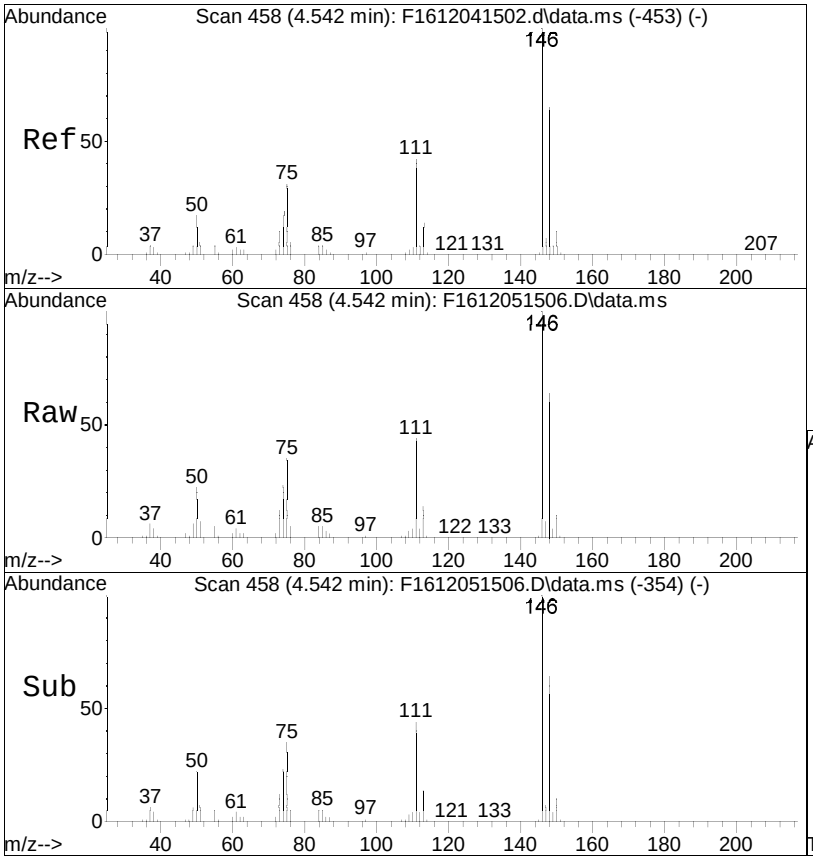


#10
2-Chlorophenol
Concen: 10.17 ug/mL
RT: 4.412 min Scan# 431
Delta R.T. -0.005 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:128 Resp: 660818

Ion	Ratio	Lower	Upper
128	100		
64	50.5	33.1	49.7#
130	32.3	25.7	38.5

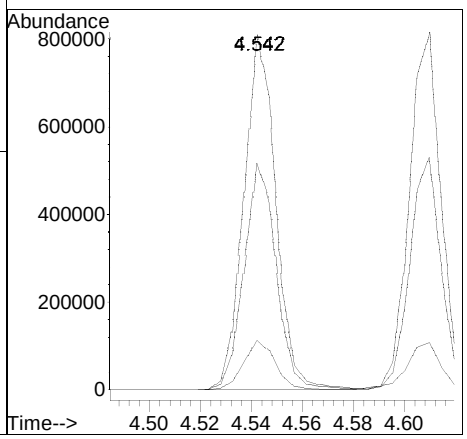


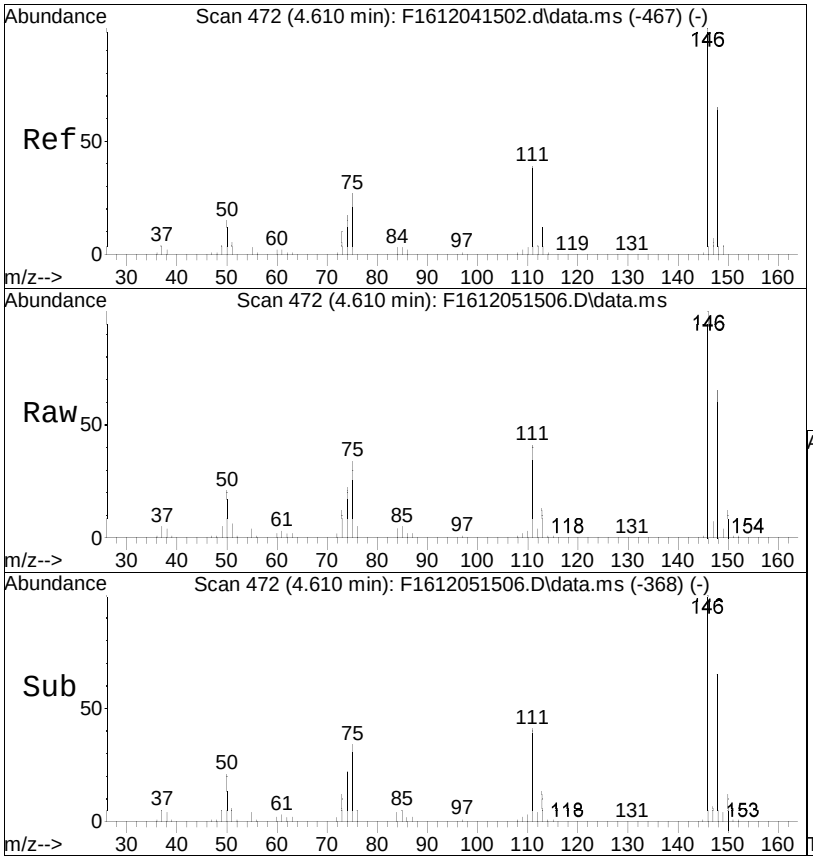


#11
1,3-Dichlorobenzene
Concen: 10.11 ug/mL
RT: 4.542 min Scan# 458
Delta R.T. 0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:146 Resp: 706548

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.2	76.8
113	13.9	10.6	16.0

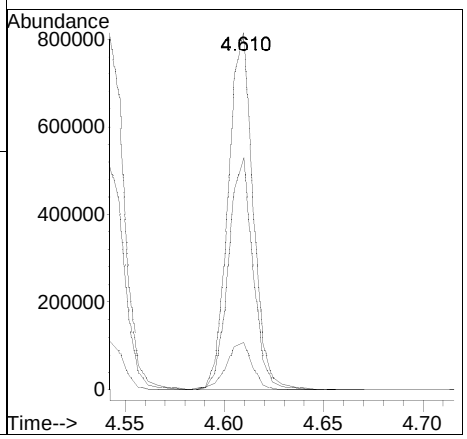


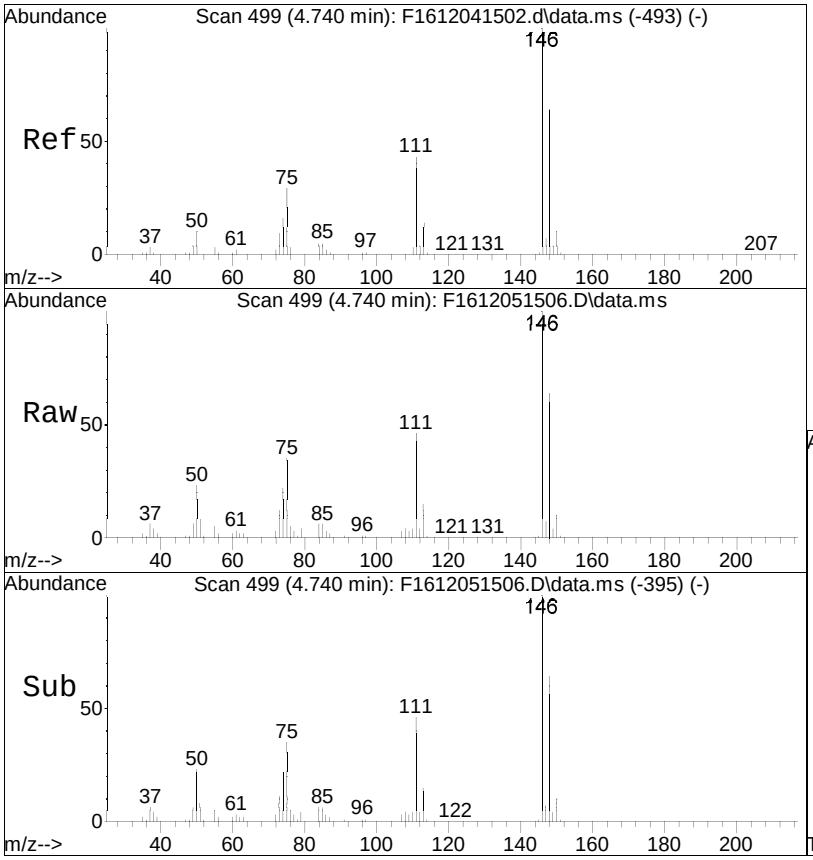


#12
1,4-Dichlorobenzene
Concen: 10.16 ug/mL
RT: 4.610 min Scan# 472
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:146 Resp: 714866

Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.6	76.0
113	14.3	10.6	15.8

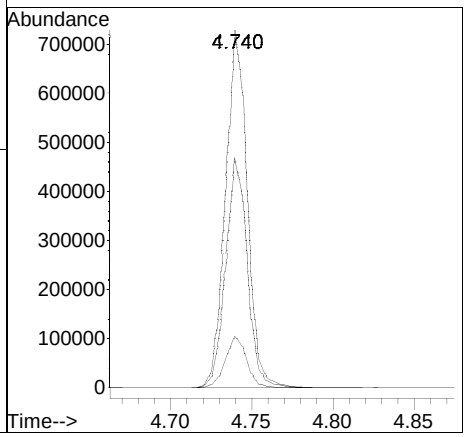


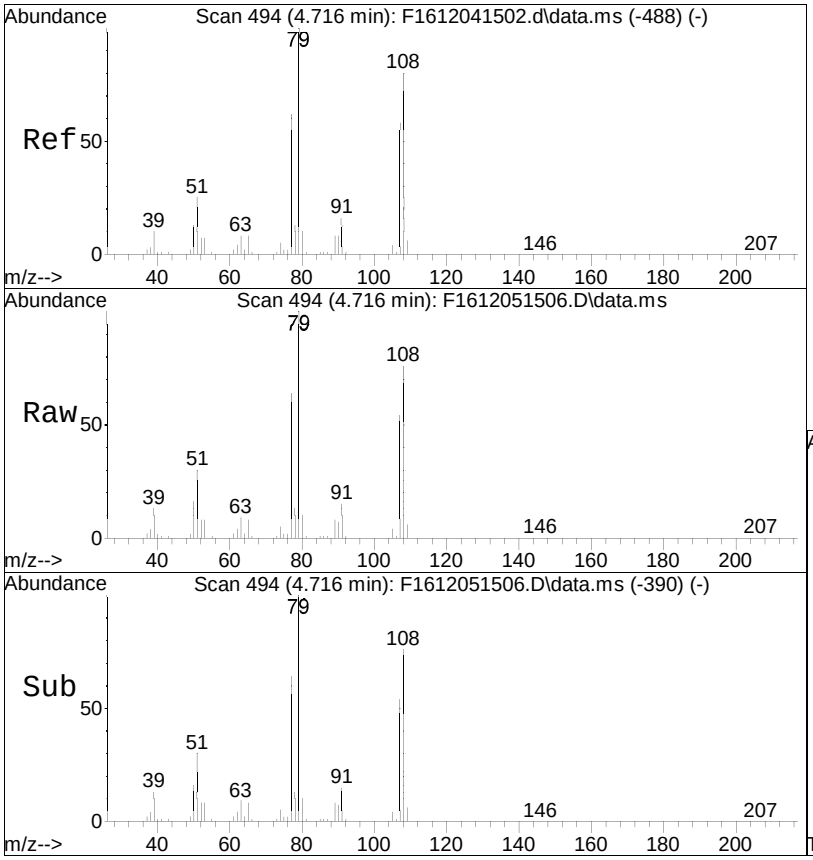


#13
1,2-Dichlorobenzene
Concen: 10.12 ug/mL
RT: 4.740 min Scan# 499
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:146 Resp: 669279

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.3	76.9
113	14.3	11.2	16.8

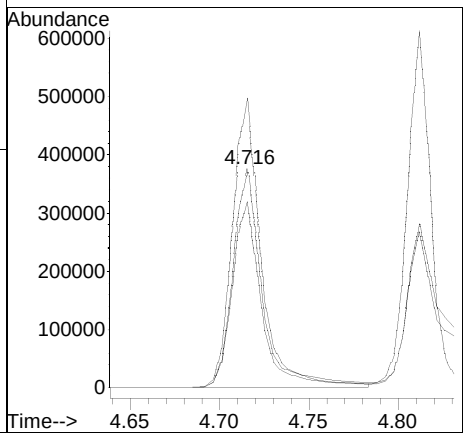


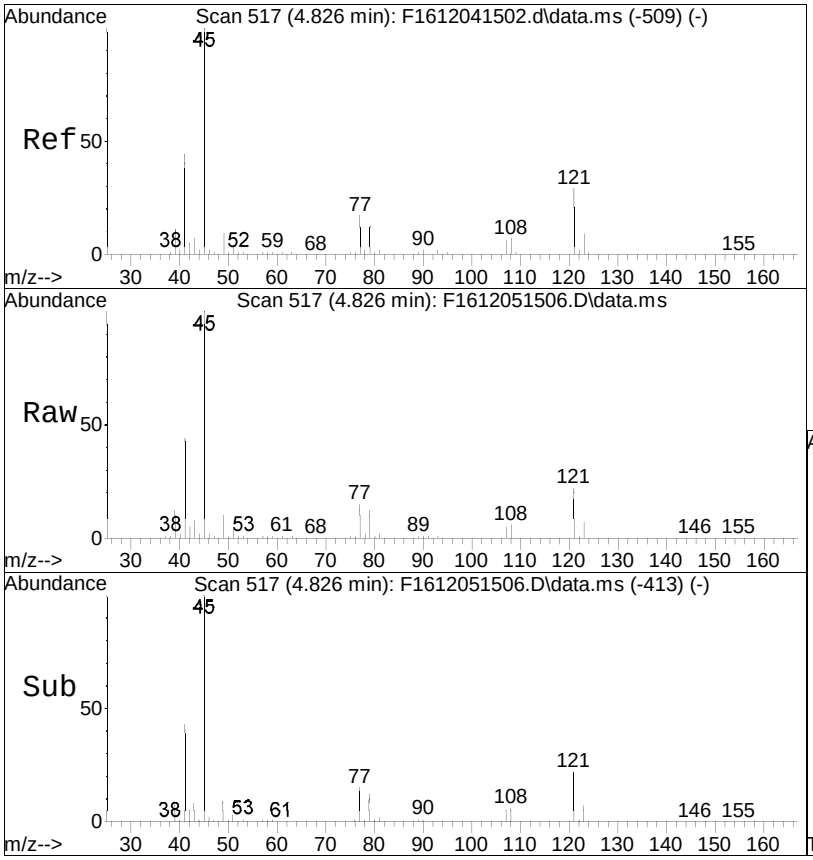


#14
Benzyl alcohol
Concen: 10.48 ug/mL
RT: 4.716 min Scan# 494
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:108 Resp: 431542

Ion	Ratio	Lower	Upper
108	100		
79	130.9	100.0	150.0
77	85.3	62.3	93.5

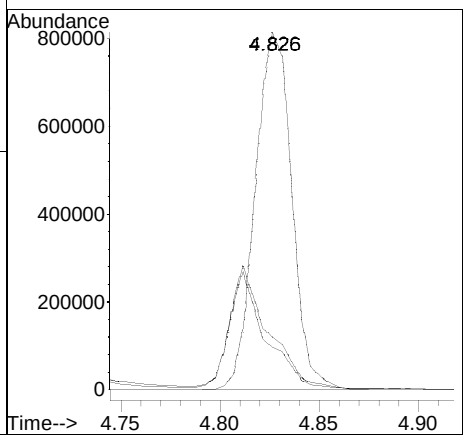


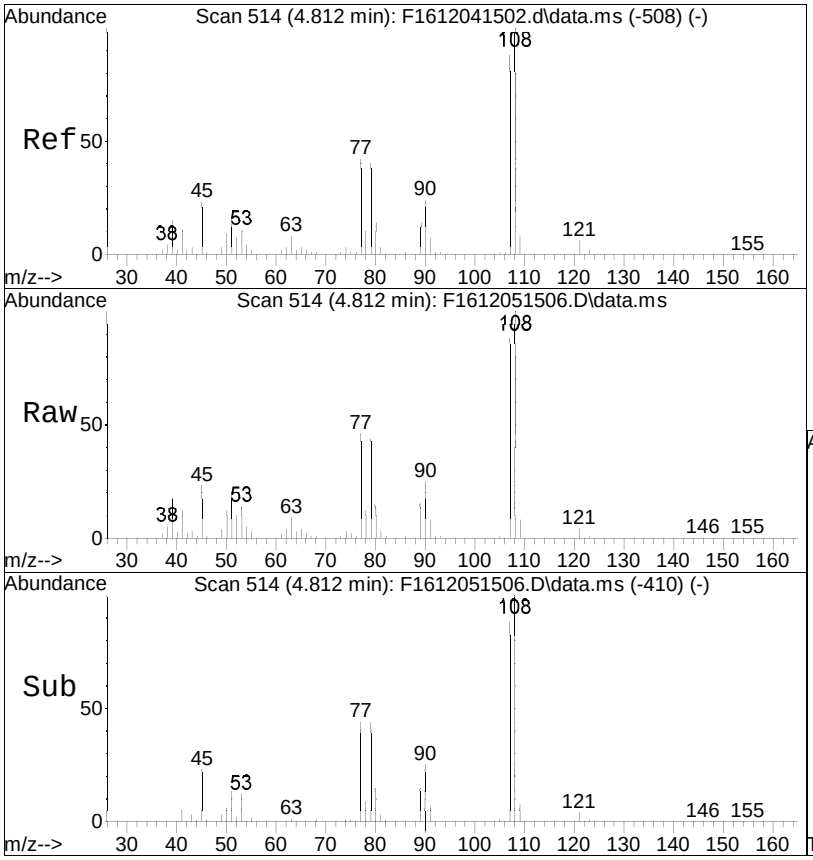


#15
bis(2-chloroisopropyl)ether
Concen: 10.79 ug/mL
RT: 4.826 min Scan# 517
Delta R.T. 0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion: 45 Resp: 1034034

Ion	Ratio	Lower	Upper
45	100		
77	36.5	11.8	17.6#
79	32.8	9.4	14.0#

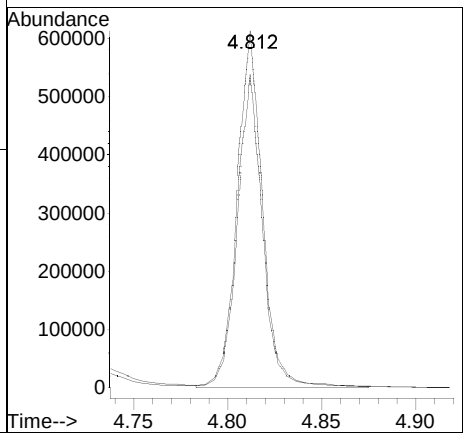


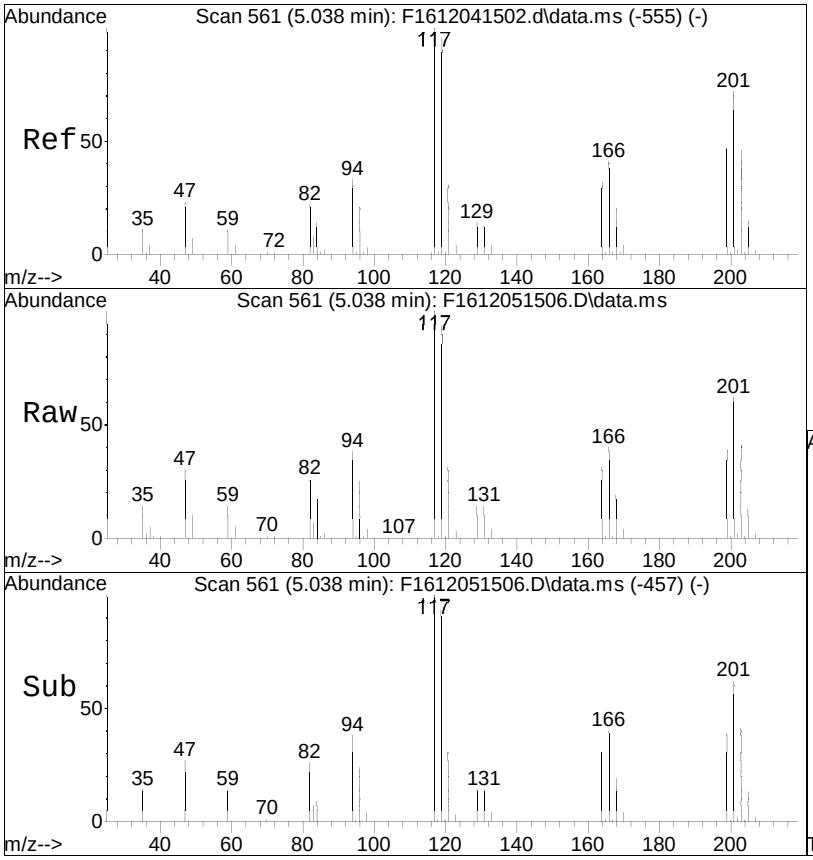


#16
2-Methylphenol
Concen: 10.14 ug/mL M4
RT: 4.812 min Scan# 514
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:108 Resp: 578627

Ion	Ratio	Lower	Upper
108	100		
107	83.0	68.4	102.6

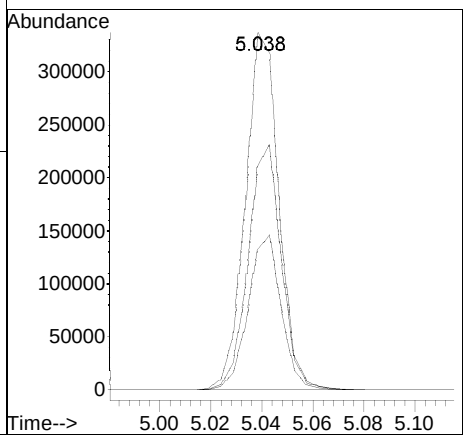


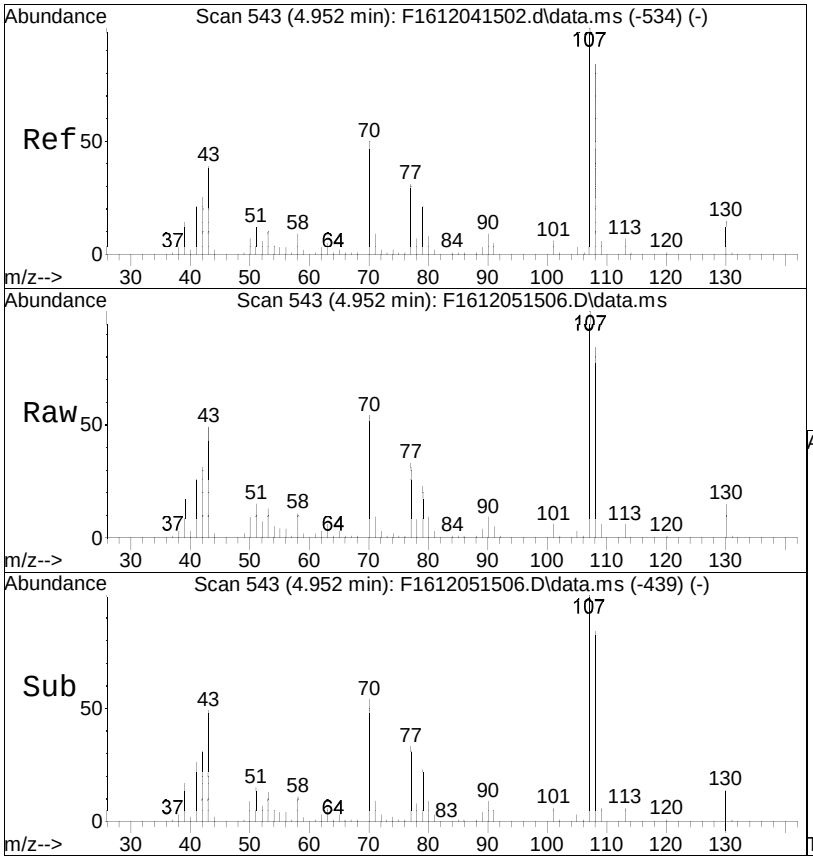


#18
Hexachloroethane
Concen: 10.34 ug/mL
RT: 5.038 min Scan# 561
Delta R.T. 0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:117 Resp: 305339

Ion	Ratio	Lower	Upper
117	100		
201	67.7	67.9	101.9#
199	42.8	42.2	63.4

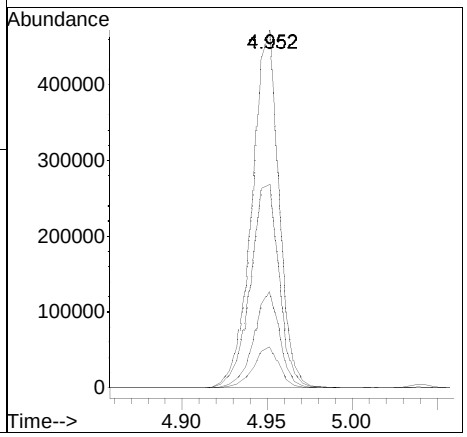


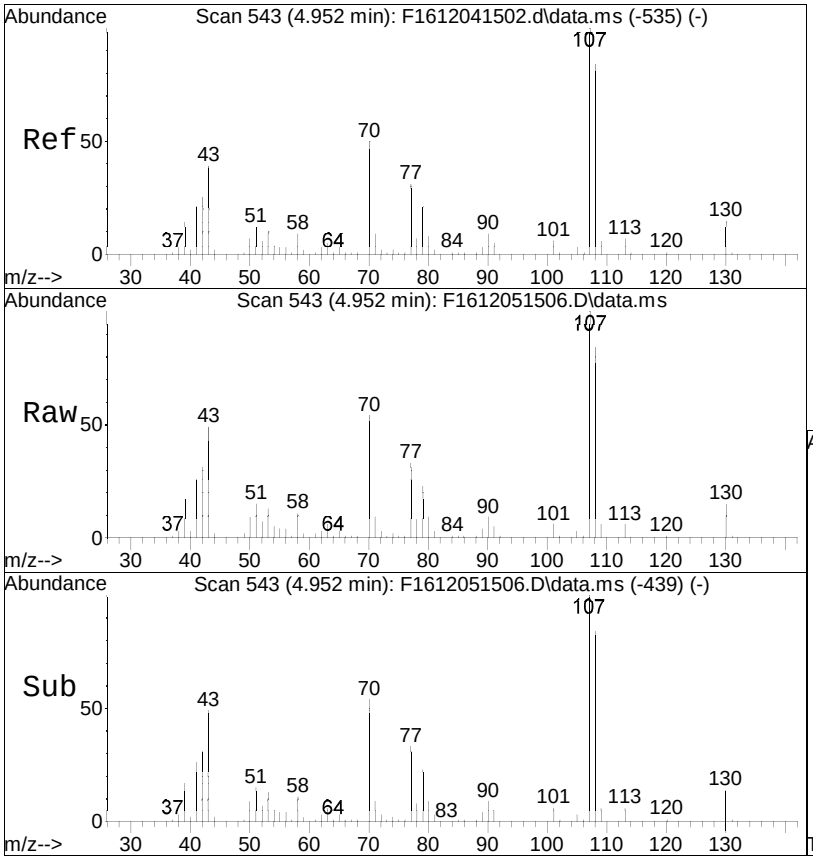


#19
N-Nitroso-di-n-propylamine
Concen: 10.51 ug/mL
RT: 4.952 min Scan# 543
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion: 70 Resp: 518064

Ion	Ratio	Lower	Upper
70	100		
42	60.4	39.6	59.4#
130	26.1	23.7	35.5
101	11.2	9.5	14.3

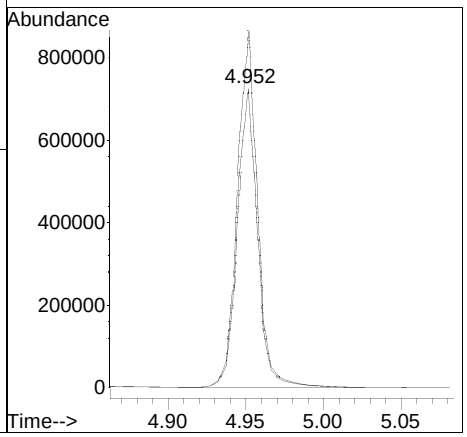


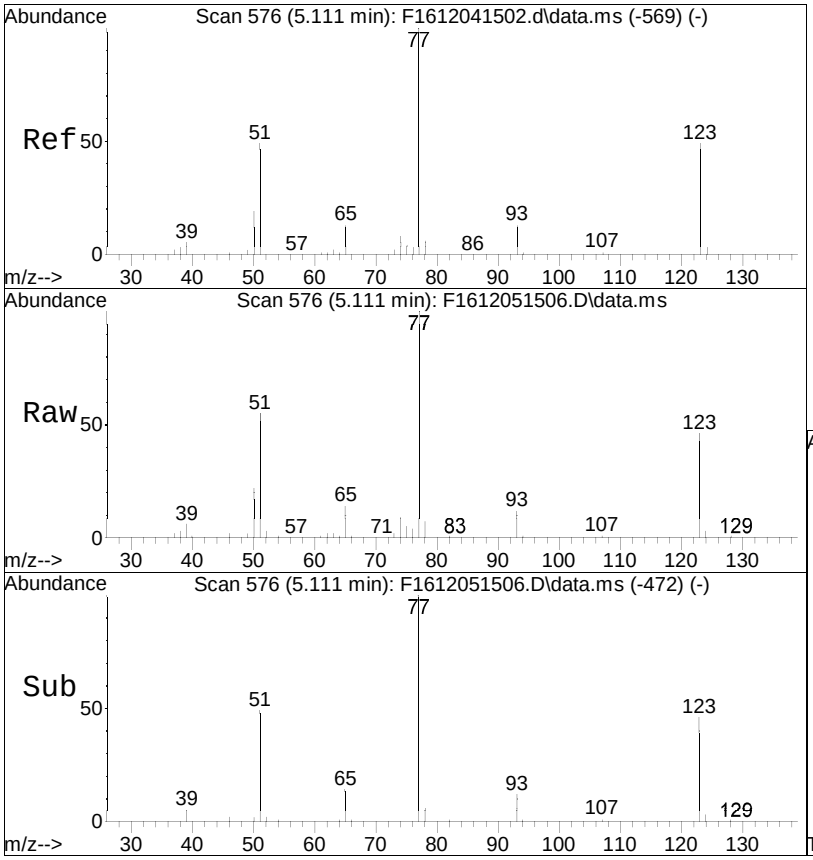


#20
4-Methylphenol
Concen: 10.33 ug/mL
RT: 4.952 min Scan# 543
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:108 Resp: 641167

Ion	Ratio	Lower	Upper
108	100		
107	120.5	95.8	143.8

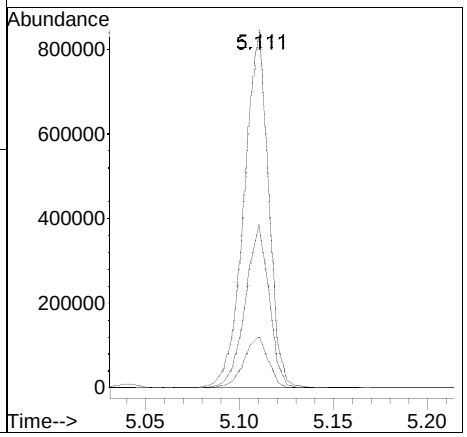


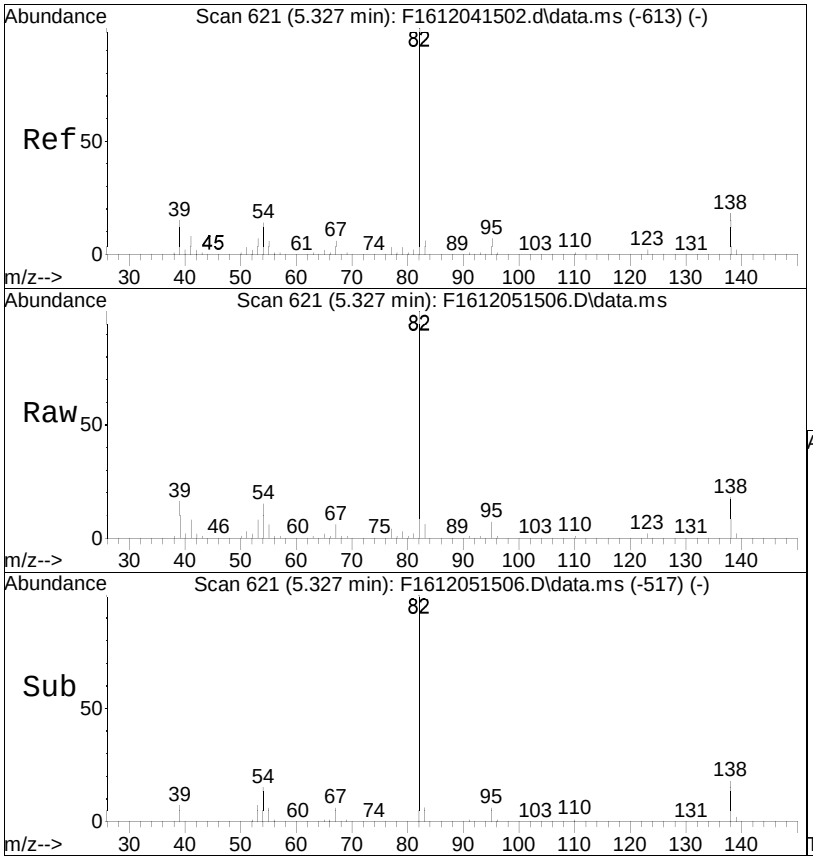


#23
Nitrobenzene
Concen: 10.60 ug/mL
RT: 5.111 min Scan# 576
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion: 77 Resp: 755314

Ion	Ratio	Lower	Upper
77	100		
123	44.9	38.3	57.5
65	14.5	10.6	15.8

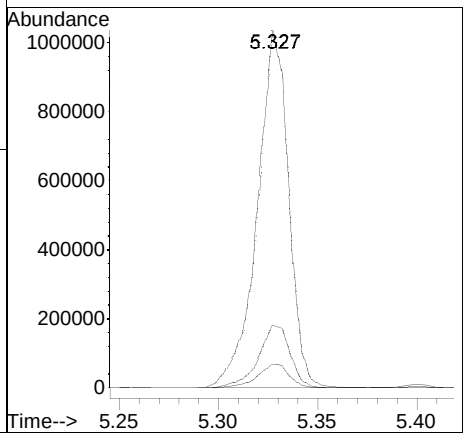


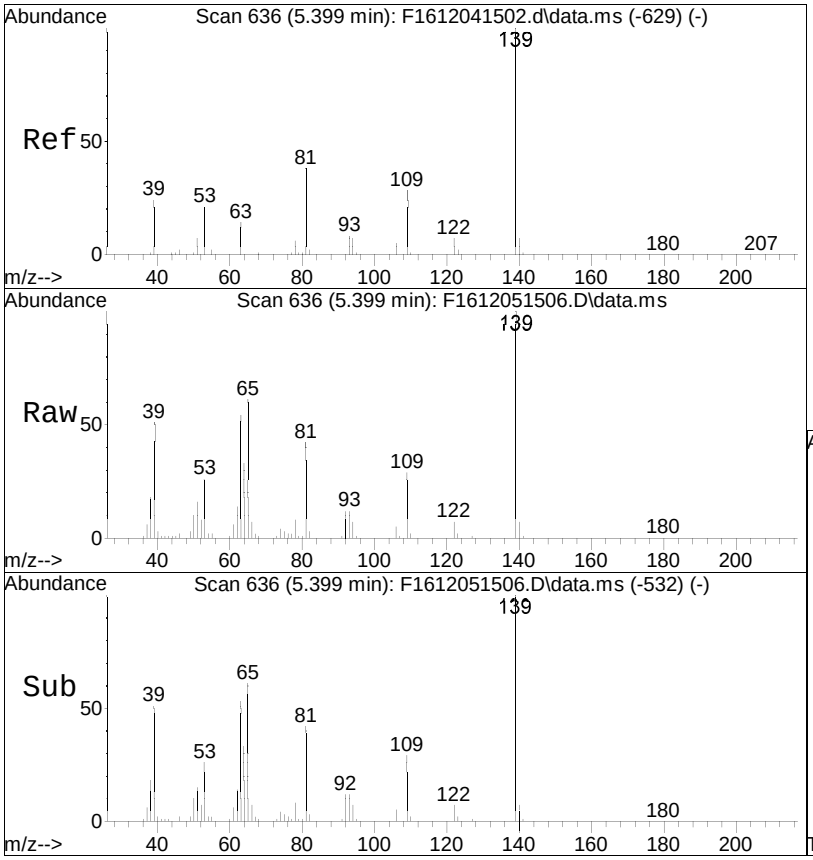


#24
Isophorone
Concen: 10.60 ug/mL
RT: 5.327 min Scan# 621
Delta R.T. 0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion: 82 Resp: 1121641

Ion	Ratio	Lower	Upper
82	100		
138	17.9	15.7	23.5
95	6.8	5.6	8.4

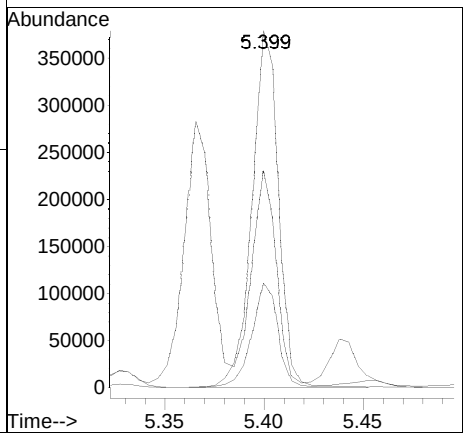


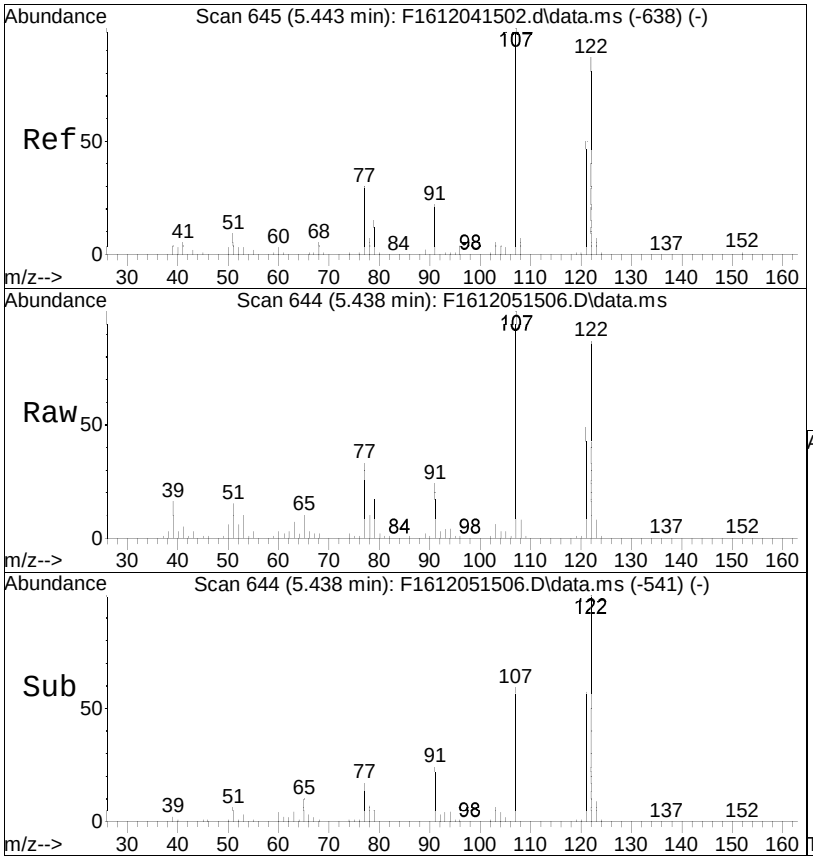


#25
2-Nitrophenol
Concen: 10.58 ug/mL
RT: 5.399 min Scan# 636
Delta R.T. 0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:139 Resp: 350250

Ion	Ratio	Lower	Upper
139	100		
65	55.0	37.4	56.2
109	29.0	22.3	33.5

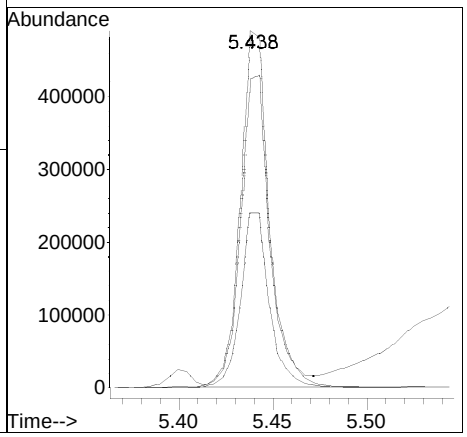


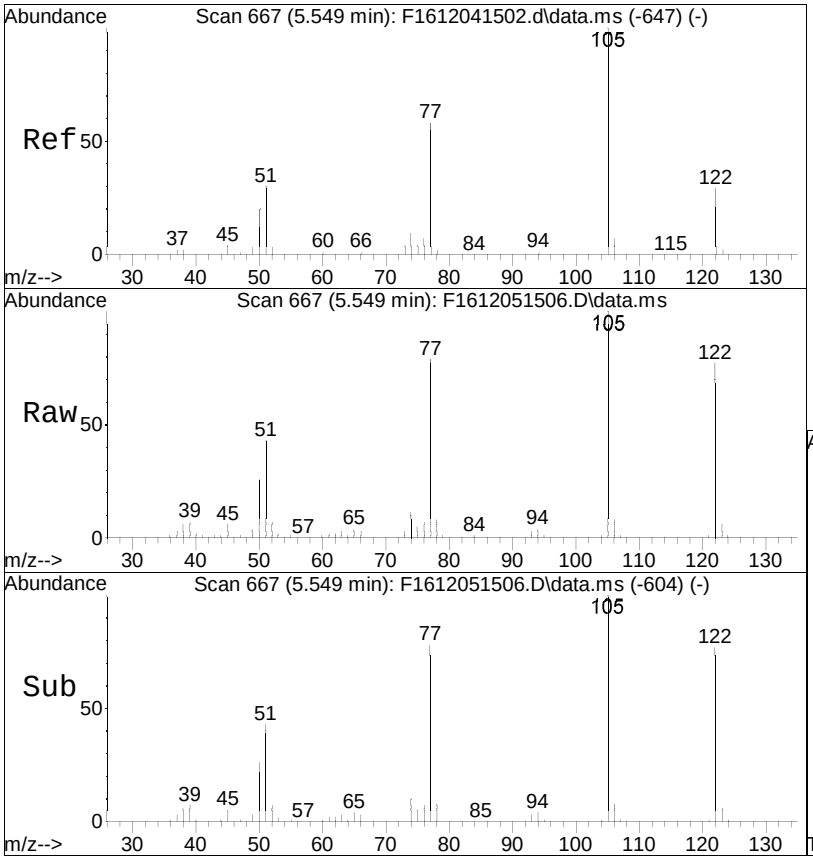


#26
2,4-Dimethylphenol
Concen: 10.25 ug/mL
RT: 5.438 min Scan# 644
Delta R.T. -0.005 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:107 Resp: 520173

Ion	Ratio	Lower	Upper
107	100		
122	89.2	71.4	107.0
121	49.3	40.1	60.1

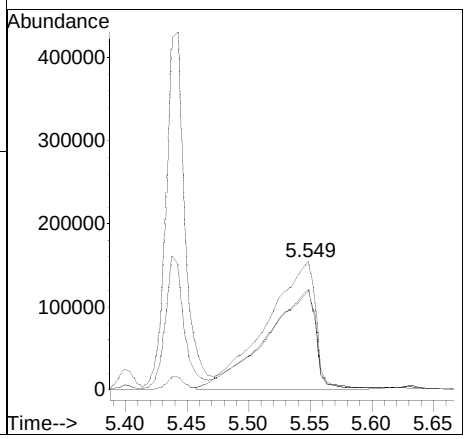


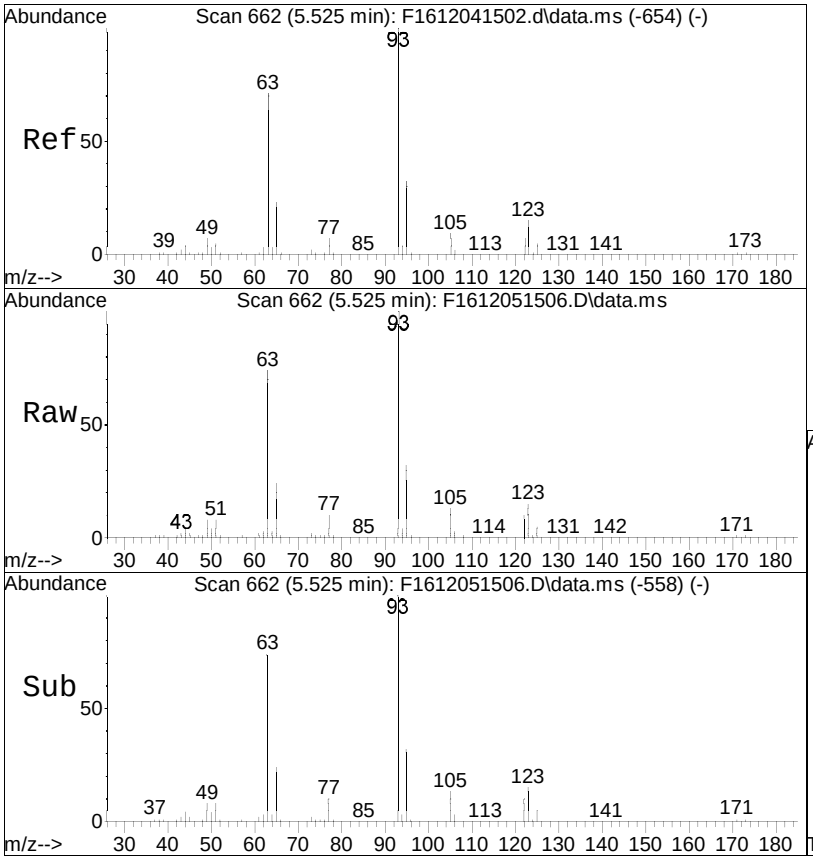


#27
Benzoic acid
Concen: 9.98 ug/mL M4
RT: 5.549 min Scan# 667
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:105 Resp: 436377

Ion	Ratio	Lower	Upper
105	100		
122	74.3	62.7	94.1
77	74.5	56.9	85.3

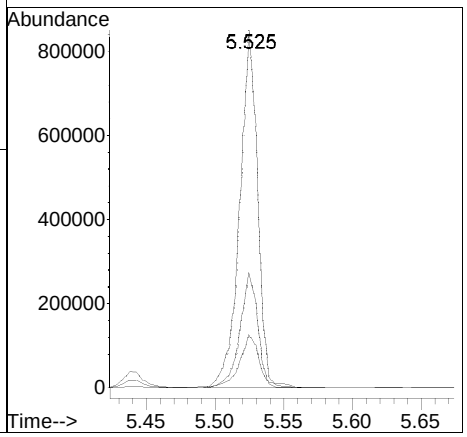


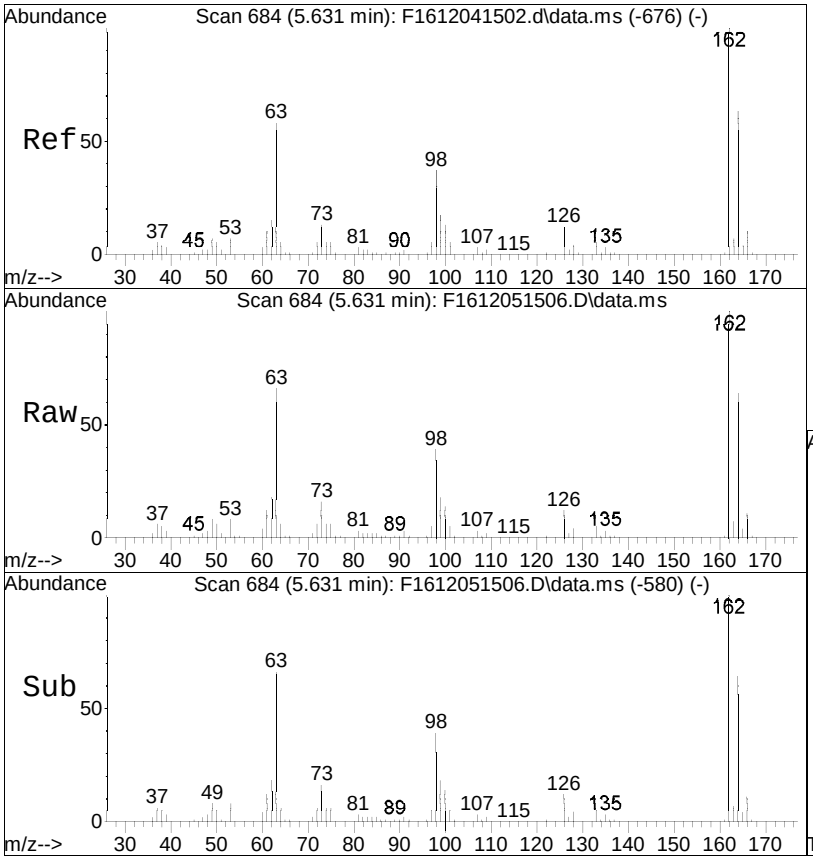


#28
bis(2-Chloroethoxy)methane
Concen: 10.62 ug/mL
RT: 5.525 min Scan# 662
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion: 93 Resp: 754201

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.9	38.9
123	16.2	13.1	19.7

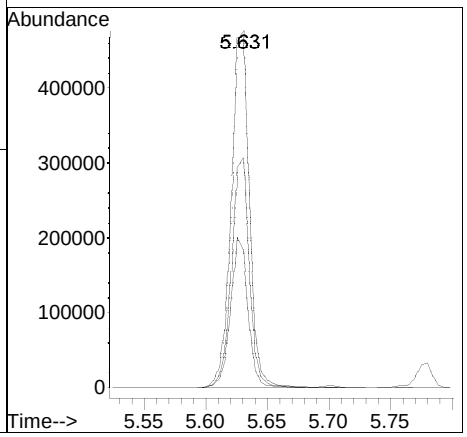


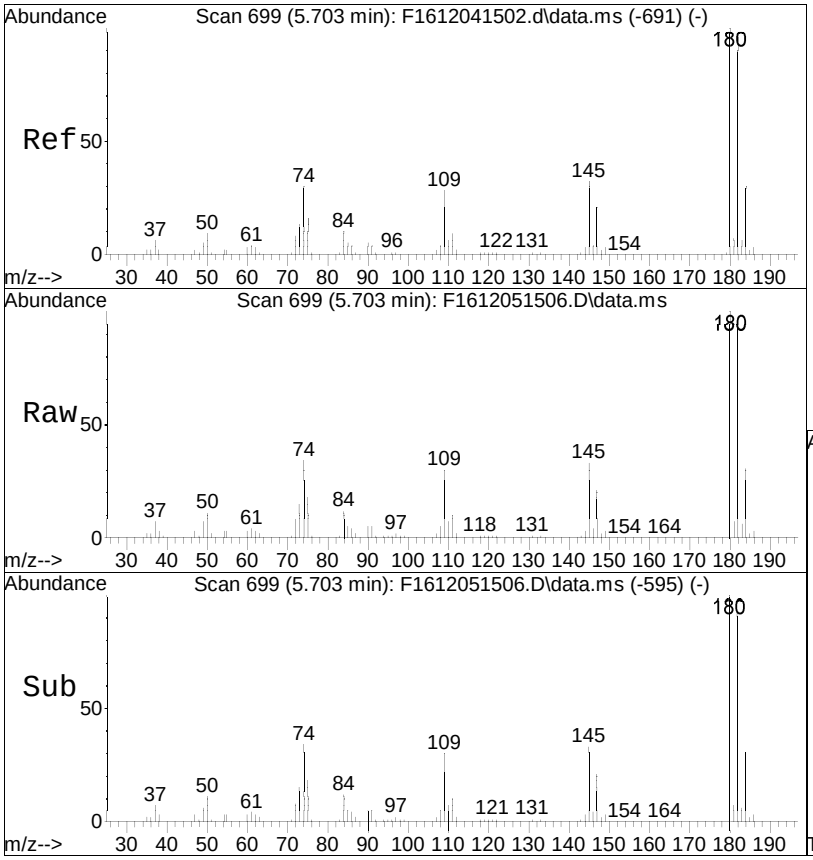


#29
2,4-Dichlorophenol
Concen: 10.48 ug/mL
RT: 5.631 min Scan# 684
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:162 Resp: 484840

Ion	Ratio	Lower	Upper
162	100		
164	63.7	51.2	76.8
98	40.8	27.8	41.8

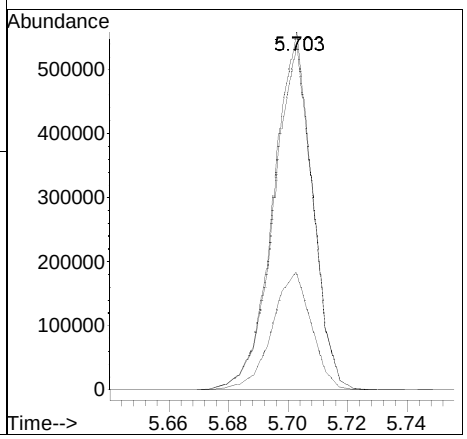


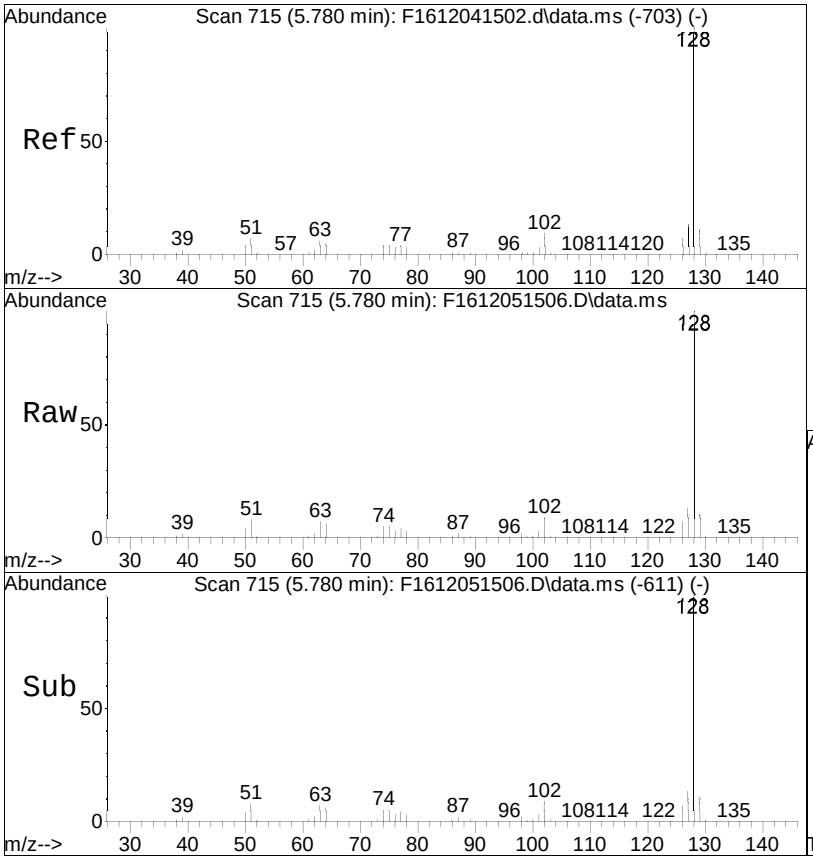


#30
1,2,4-Trichlorobenzene
Concen: 10.26 ug/mL
RT: 5.703 min Scan# 699
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:180 Resp: 506591

Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.6	113.4
145	33.2	24.6	37.0

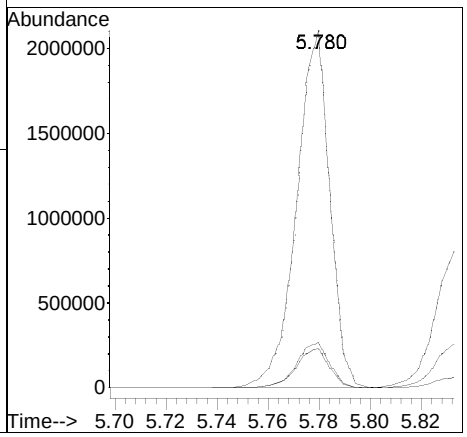


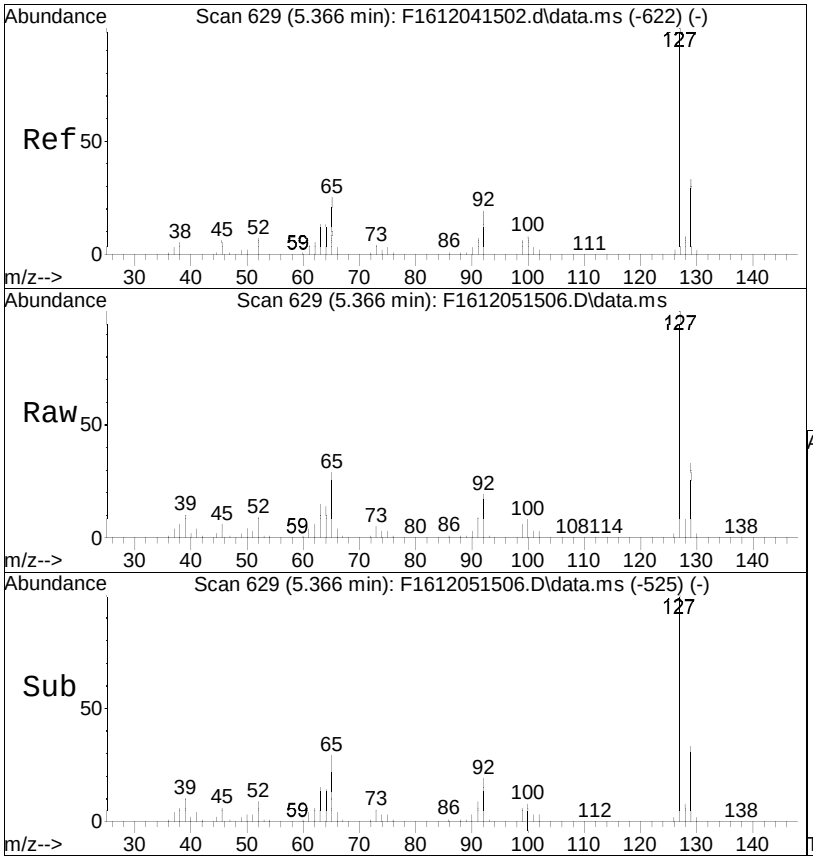


#31
Naphthalene
Concen: 10.40 ug/mL
RT: 5.780 min Scan# 715
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:128 Resp: 1888879

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	12.8	10.2	15.4

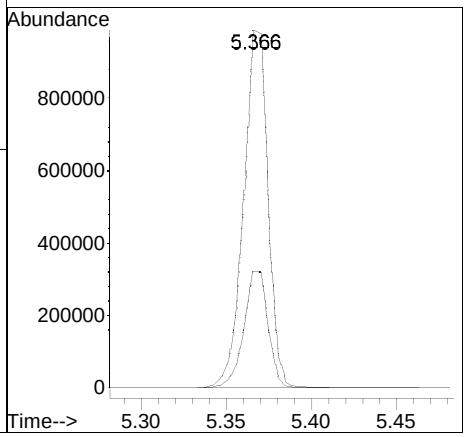


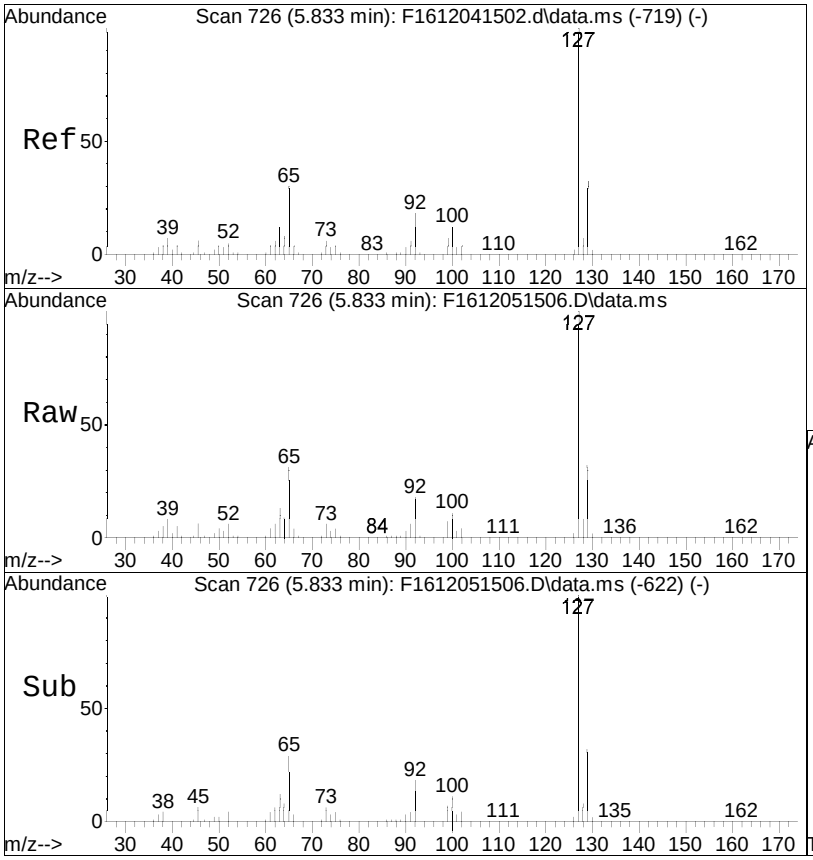


#32
2-Chloroaniline
Concen: 10.43 ug/ml
RT: 5.366 min Scan# 629
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:127 Resp: 980867

Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.8	38.6

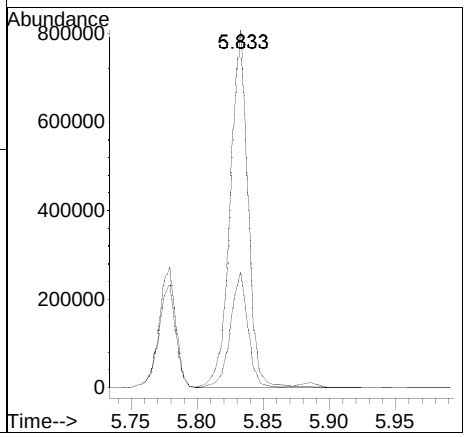


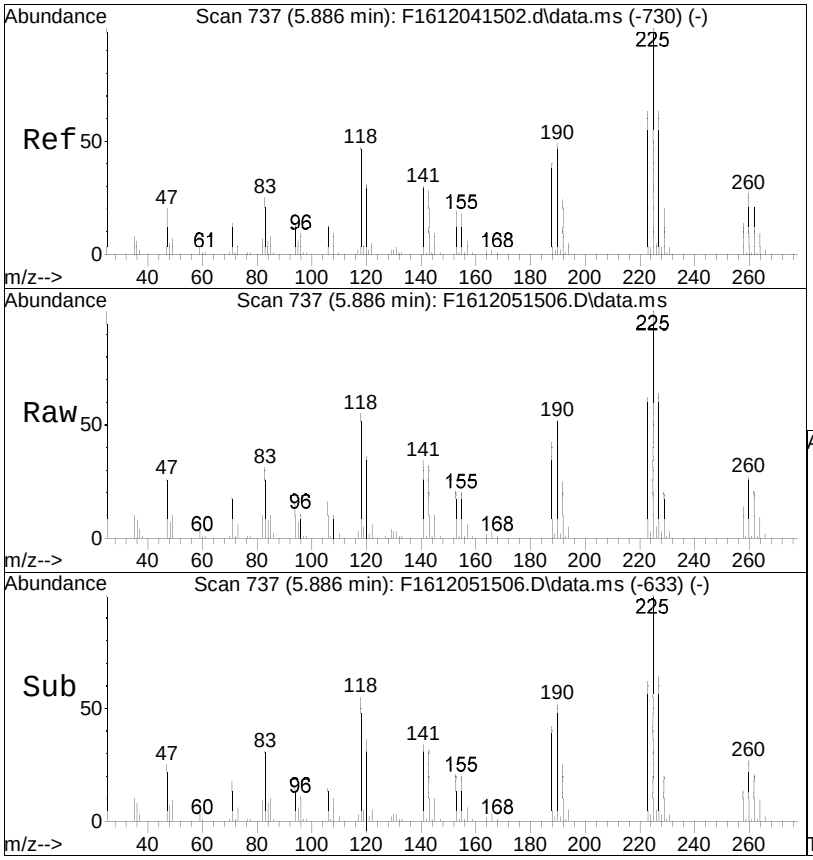


#33
4-Chloroaniline
Concen: 10.12 ug/mL
RT: 5.833 min Scan# 726
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:127 Resp: 745274

Ion	Ratio	Lower	Upper
127	100		
129	32.2	275.7	413.5#

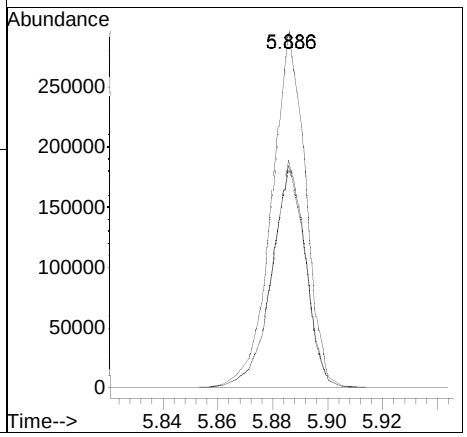


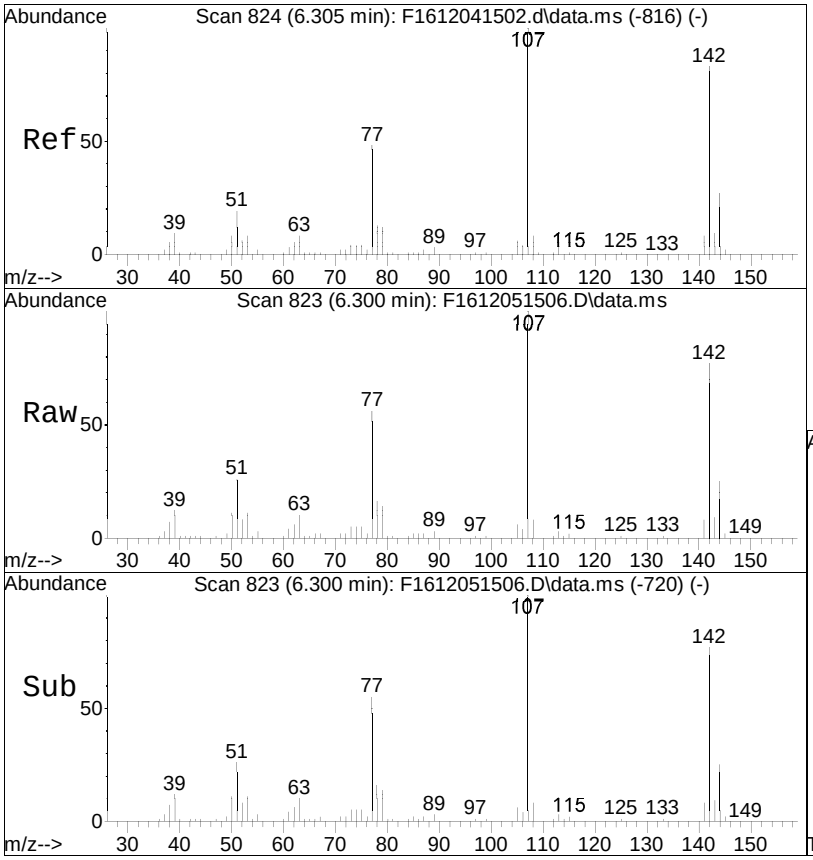


#34
Hexachlorobutadiene
Concen: 10.21 ug/mL
RT: 5.886 min Scan# 737
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:225 Resp: 253382

Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.1	75.1
227	63.4	50.6	75.8

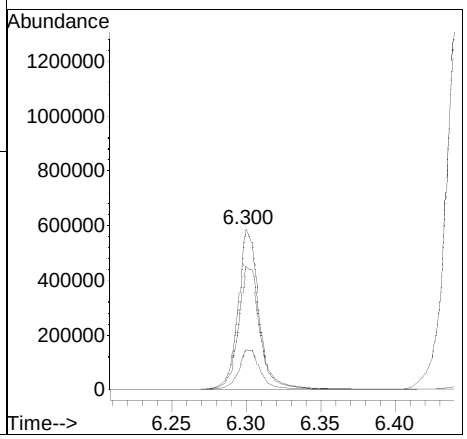


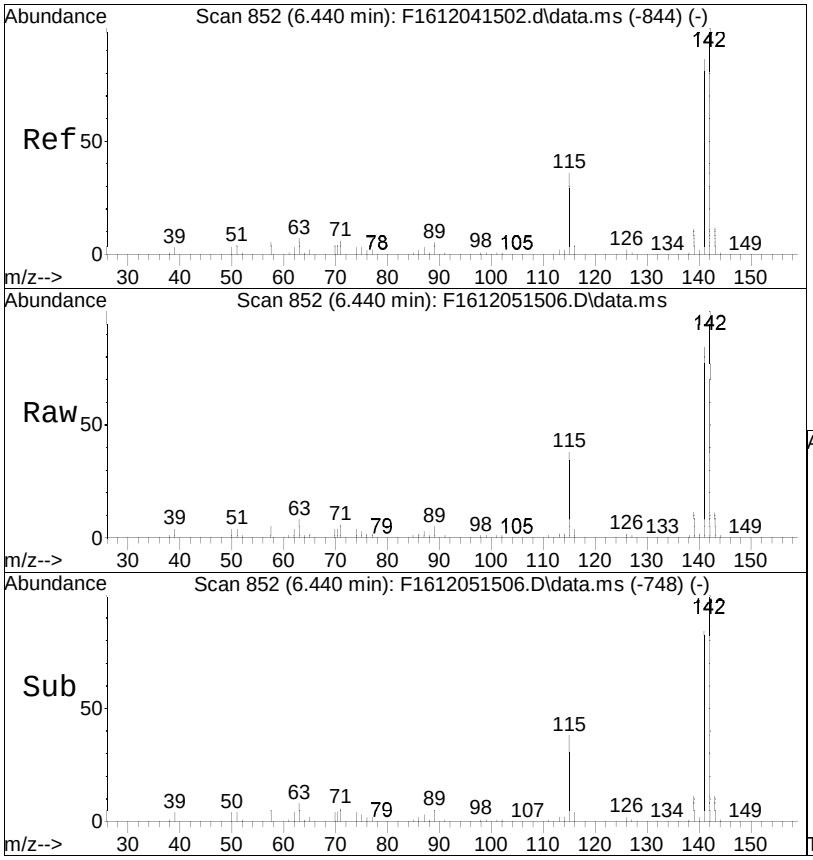


#36
4-Chloro-3-methylphenol
Concen: 10.65 ug/mL
RT: 6.300 min Scan# 823
Delta R.T. -0.005 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:107 Resp: 574870

Ion	Ratio	Lower	Upper
107	100		
144	25.7	20.7	31.1
142	79.2	65.4	98.0

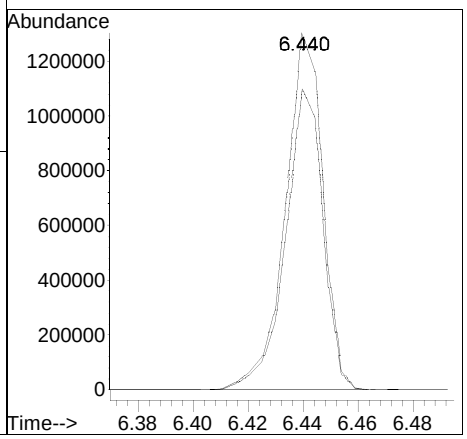


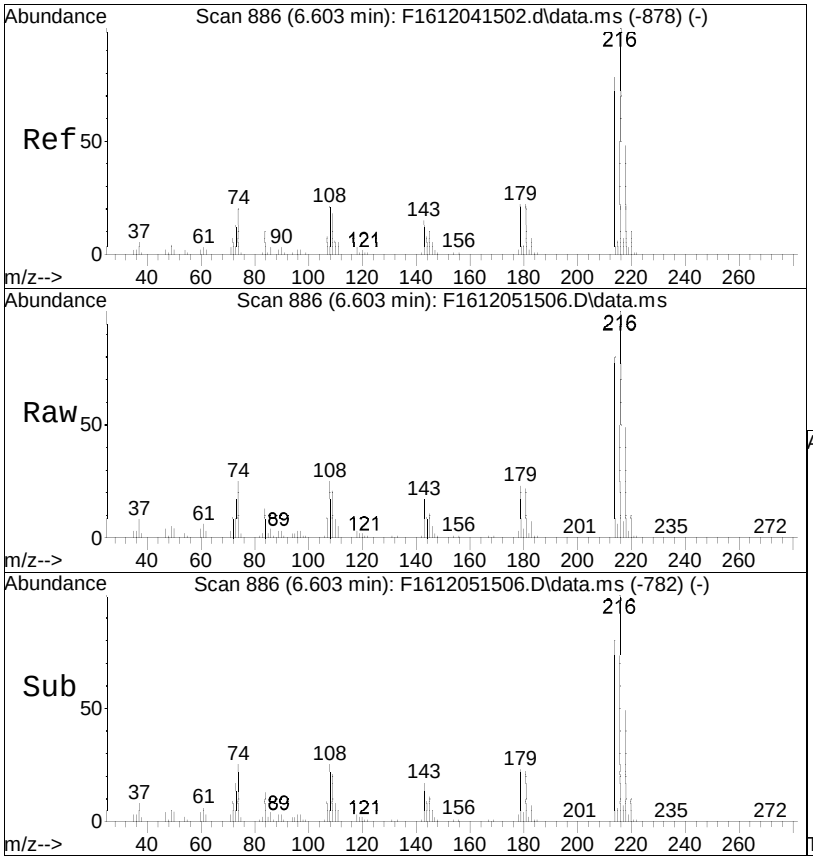


#37
2-Methylnaphthalene
Concen: 10.48 ug/mL
RT: 6.440 min Scan# 852
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:142 Resp: 1235553

Ion	Ratio	Lower	Upper
142	100		
141	84.3	67.1	100.7

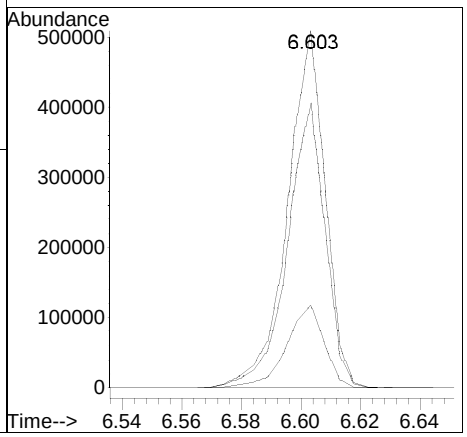


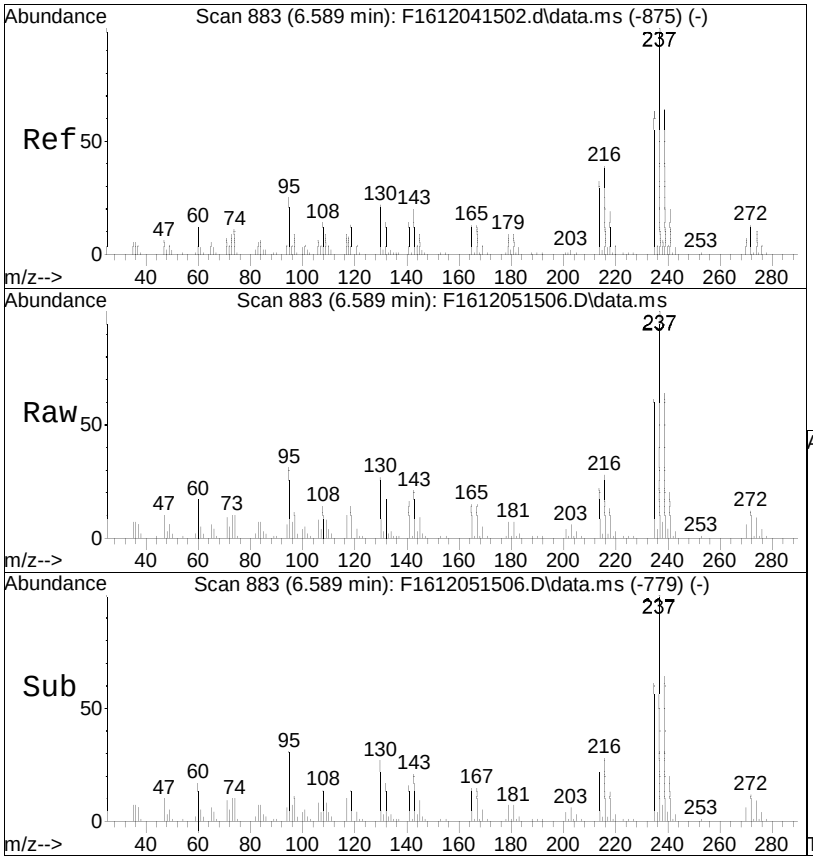


#39
1,2,4,5-Tetrachlorobenzene
Concen: 9.84 ug/mL
RT: 6.603 min Scan# 886
Delta R.T. 0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:216 Resp: 446694

Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.4	95.2
179	23.4	18.0	27.0

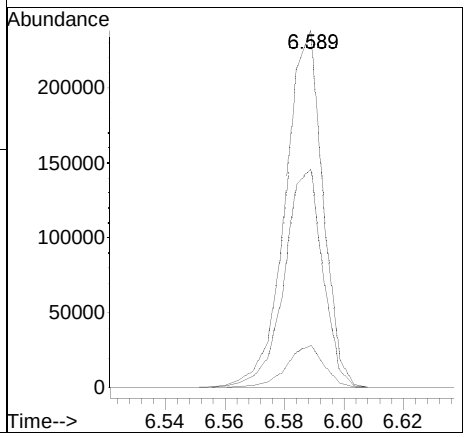


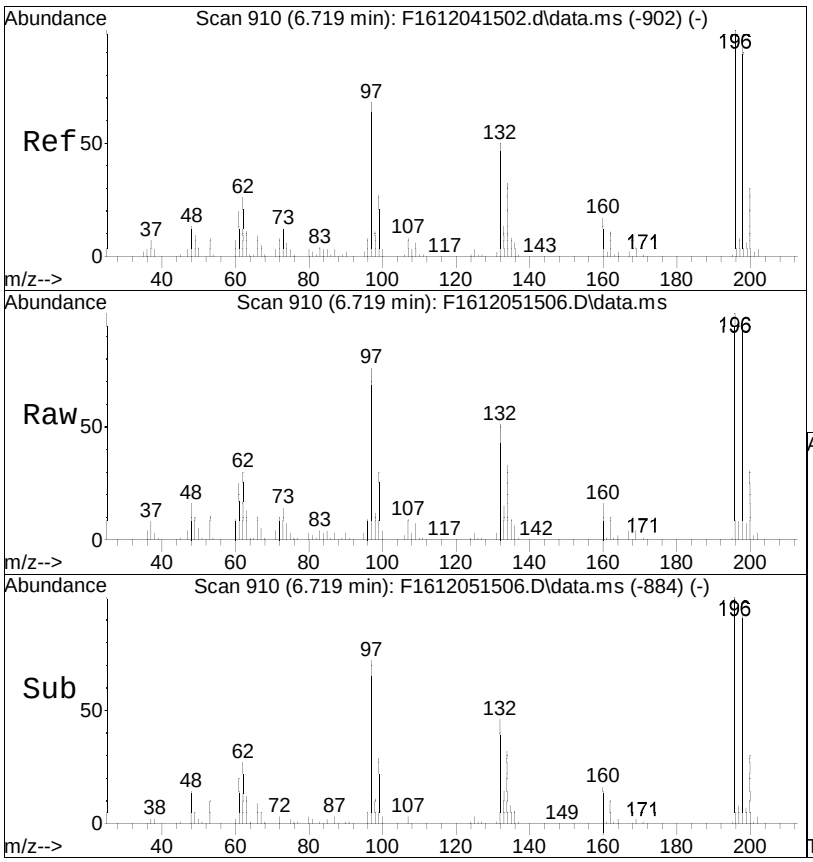


#40
Hexachlorocyclopentadiene
Concen: 9.66 ug/mL
RT: 6.589 min Scan# 883
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:237 Resp: 209068

Ion	Ratio	Lower	Upper
237	100		
235	62.6	50.2	75.4
272	11.8	9.8	14.6

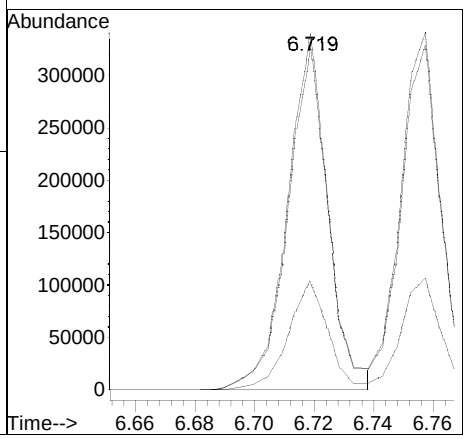


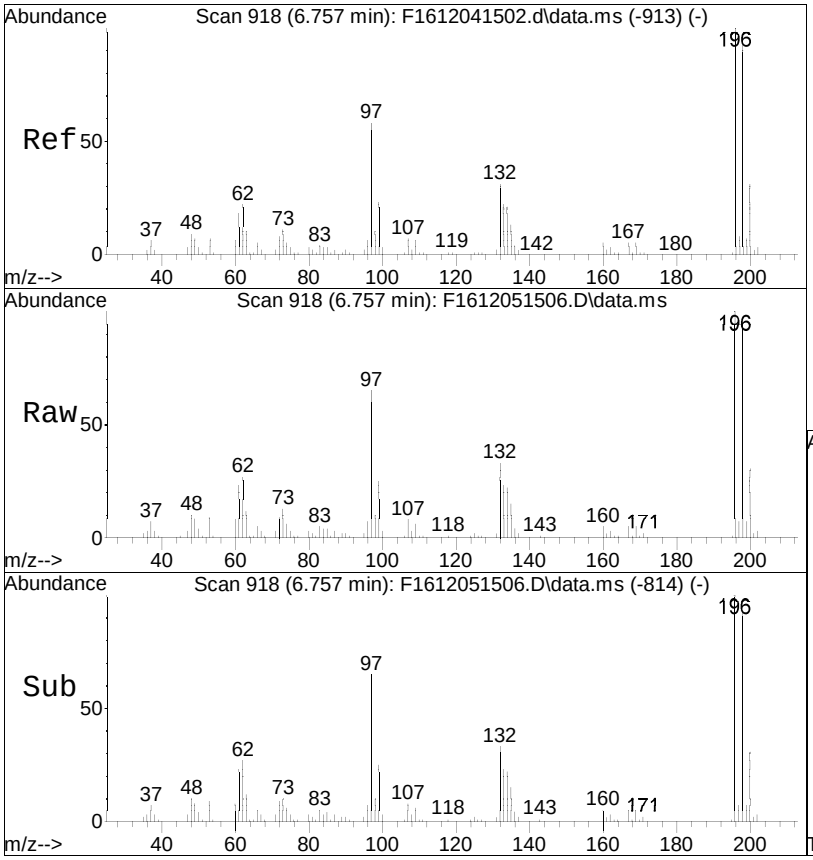


#41
2,4,6-Trichlorophenol
Concen: 10.09 ug/mL
RT: 6.719 min Scan# 910
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:196 Resp: 320957

Ion	Ratio	Lower	Upper
196	100		
198	95.6	75.7	113.5
200	30.4	24.1	36.1

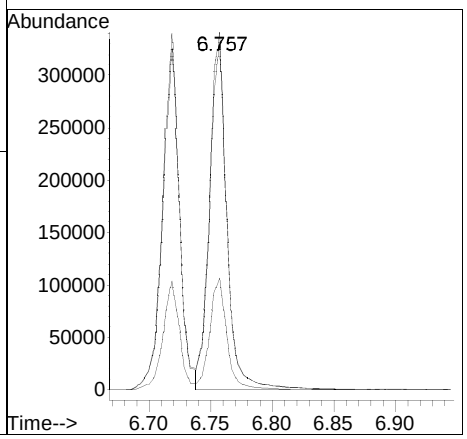


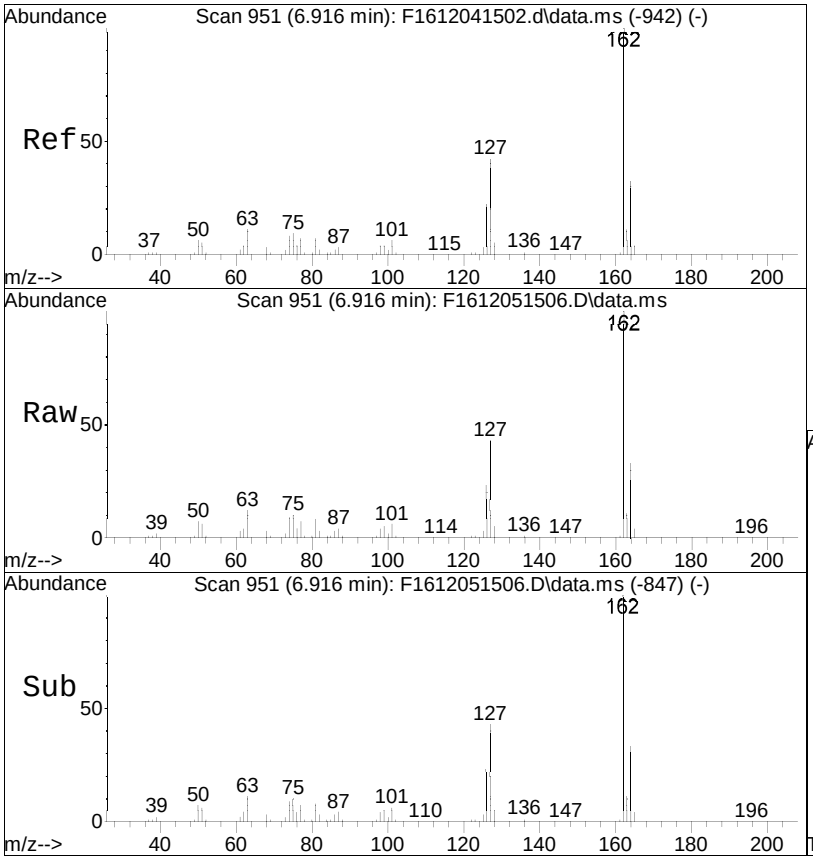


#42
2,4,5-Trichlorophenol
Concen: 10.07 ug/mL
RT: 6.757 min Scan# 918
Delta R.T. 0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:196 Resp: 332333

Ion	Ratio	Lower	Upper
196	100		
198	95.6	76.2	114.2
200	31.1	24.2	36.2

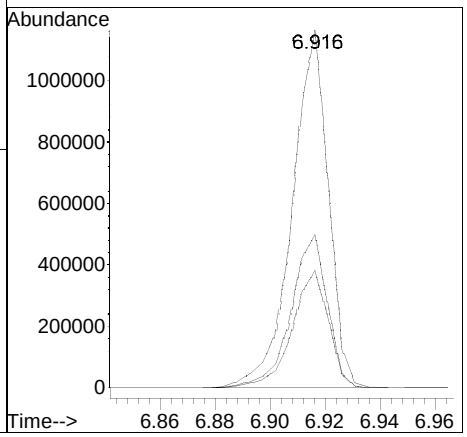


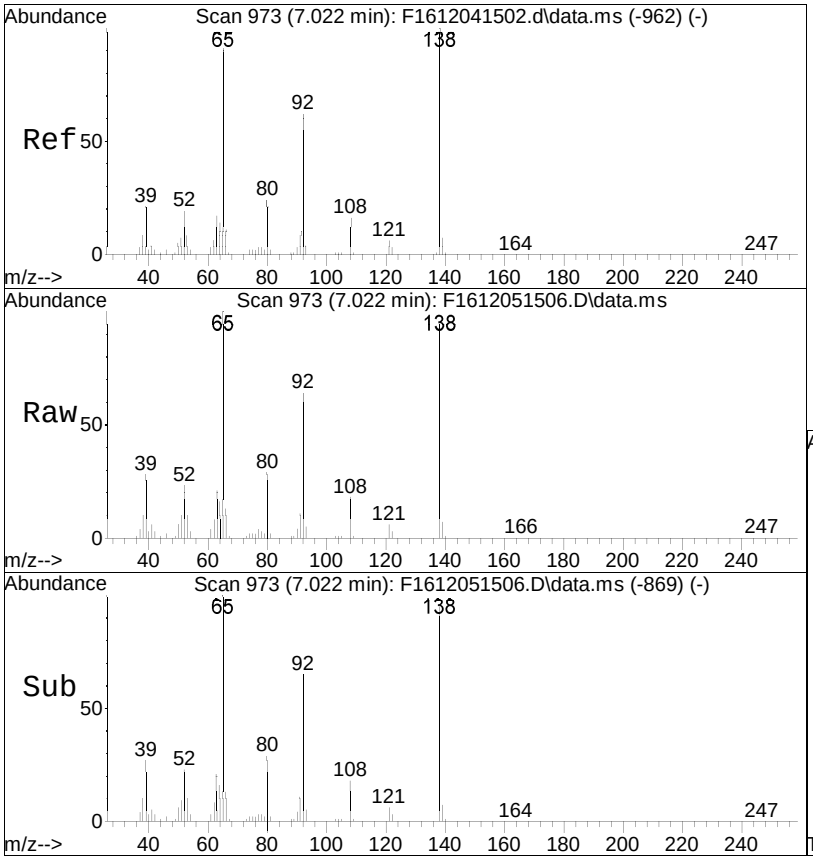


#45
2-Chloronaphthalene
Concen: 9.94 ug/mL
RT: 6.916 min Scan# 951
Delta R.T. 0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:162 Resp: 1055573

Ion	Ratio	Lower	Upper
162	100		
164	33.0	25.8	38.6
127	43.1	31.0	46.6

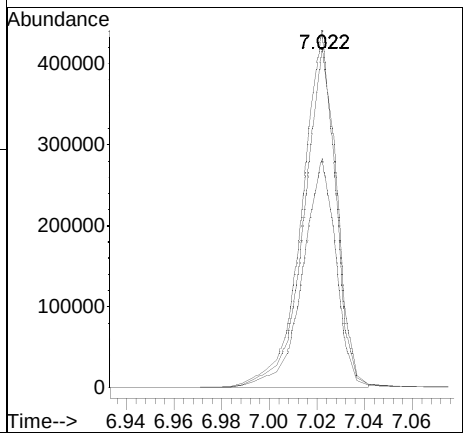


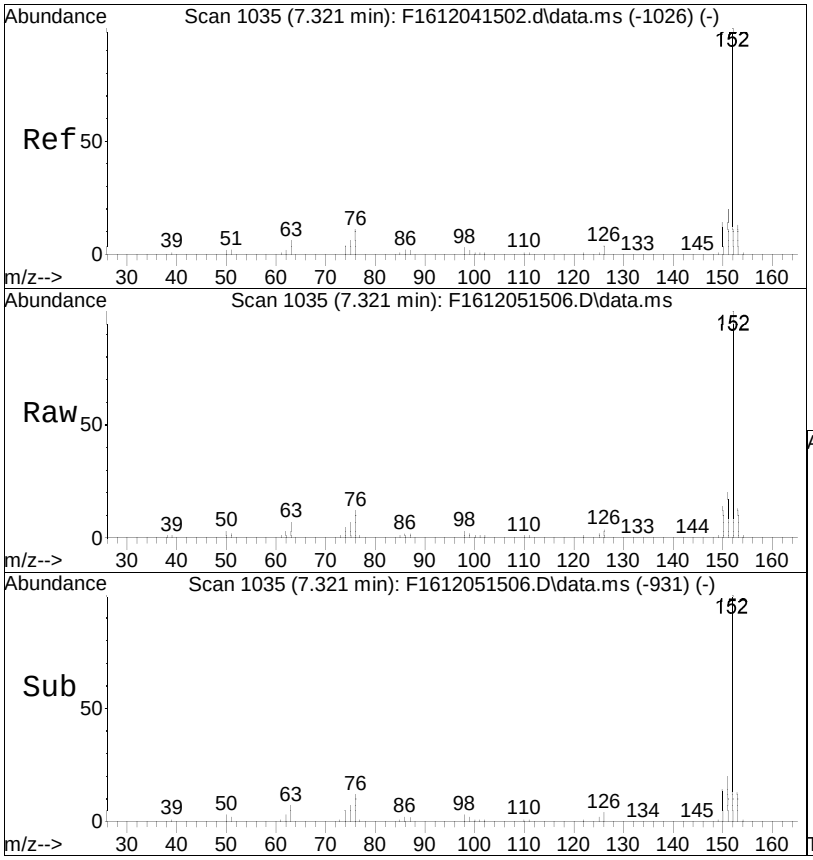


#46
2-Nitroaniline
Concen: 10.49 ug/mL
RT: 7.022 min Scan# 973
Delta R.T. 0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion: 65 Resp: 425701

Ion	Ratio	Lower	Upper
65	100		
92	64.6	58.3	87.5
138	95.1	95.4	143.0#

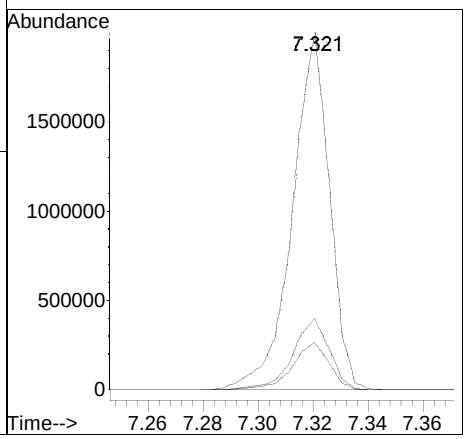


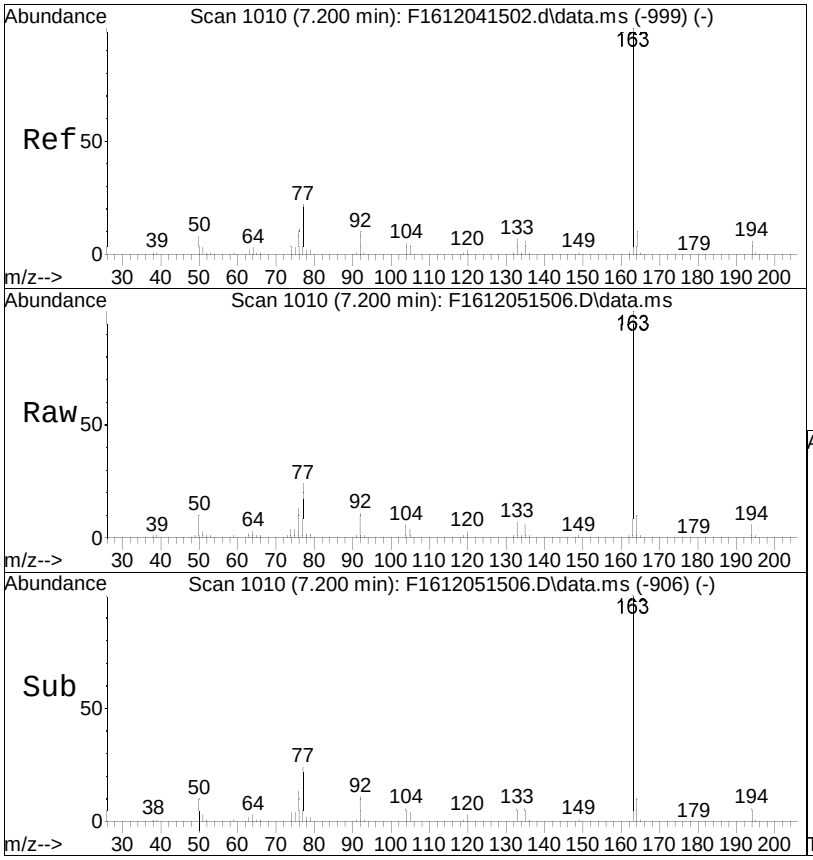


#47
Acenaphthylene
Concen: 10.16 ug/mL
RT: 7.321 min Scan# 1035
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:152 Resp: 1859316

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.4	23.2
153	13.3	10.6	15.8

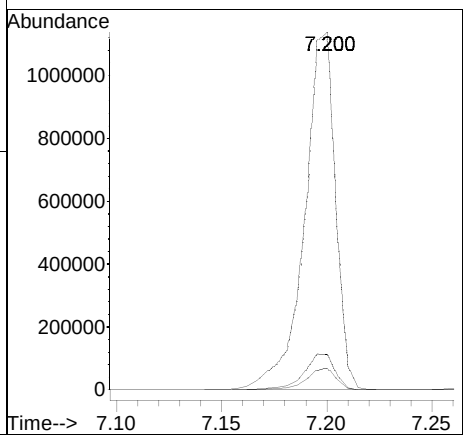


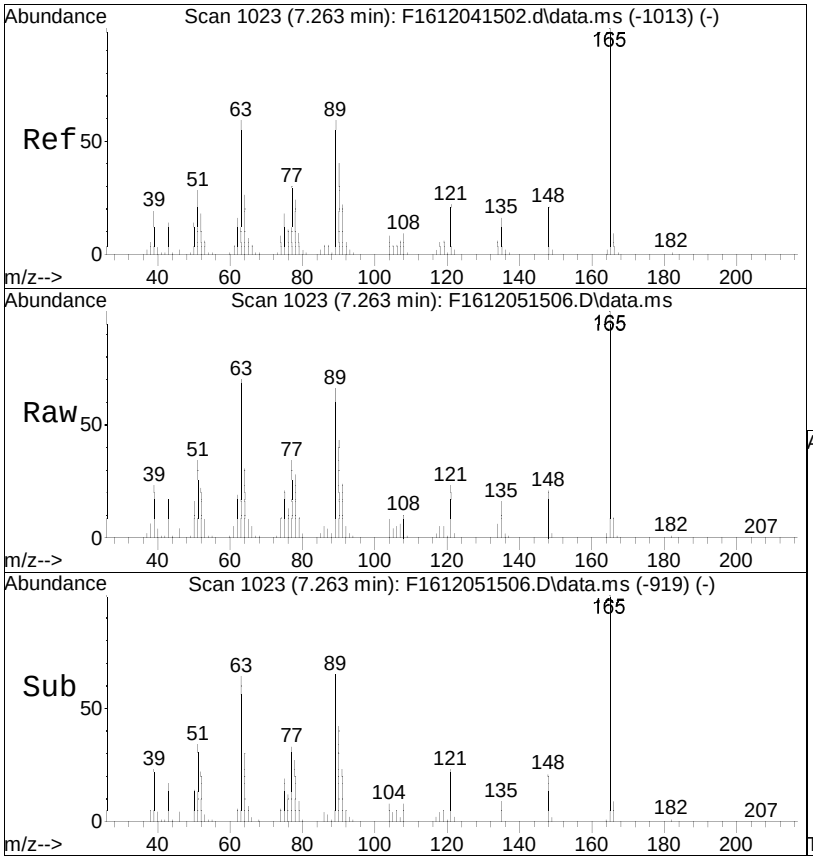


#48
Dimethylphthalate
Concen: 10.00 ug/mL
RT: 7.200 min Scan# 1010
Delta R.T. 0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:163 Resp: 1155280

Ion	Ratio	Lower	Upper
163	100		
194	6.0	5.0	7.6
164	10.2	8.0	12.0

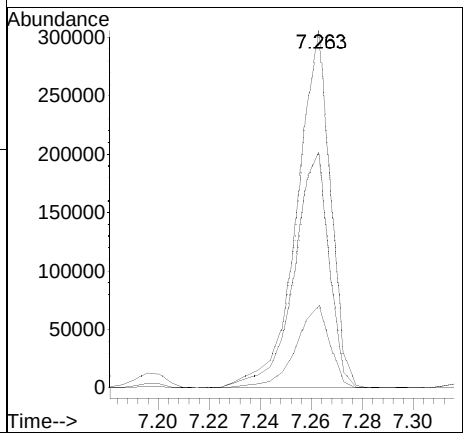


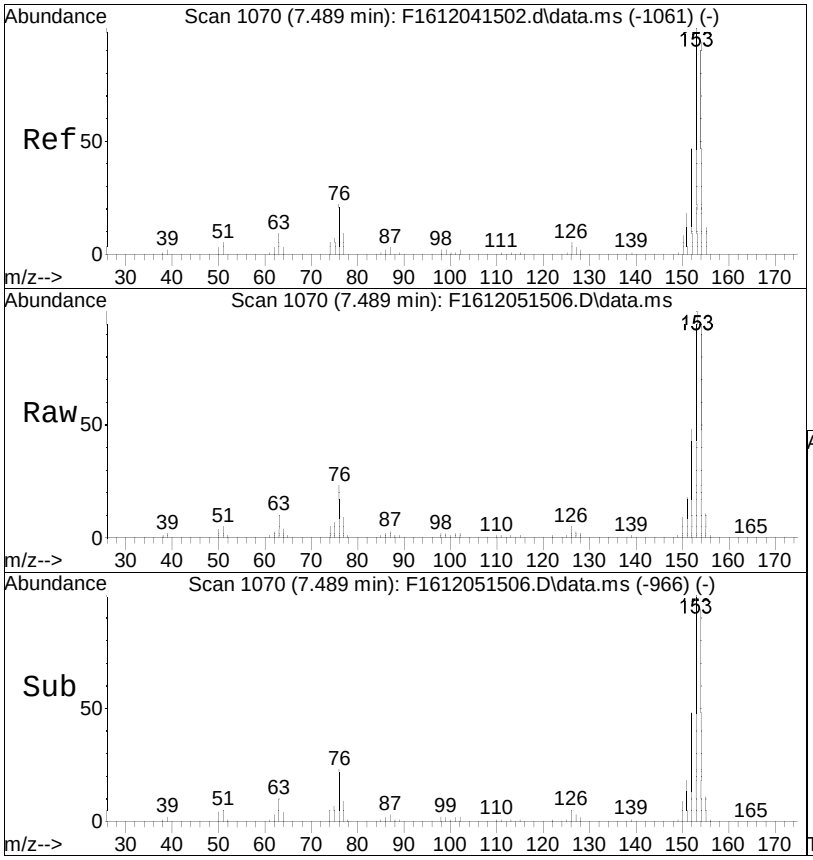


#49
2,6-Dinitrotoluene
Concen: 10.35 ug/mL
RT: 7.263 min Scan# 1023
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:165 Resp: 279664

Ion	Ratio	Lower	Upper
165	100		
89	68.7	45.3	67.9#
121	23.6	16.6	24.8

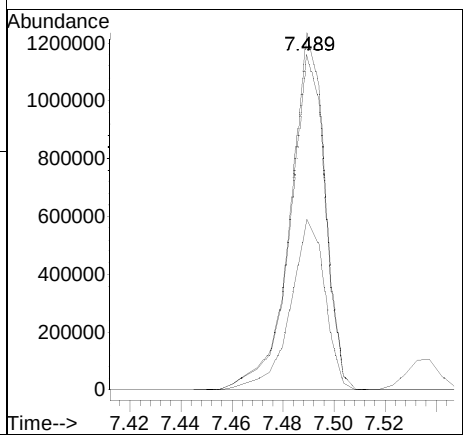


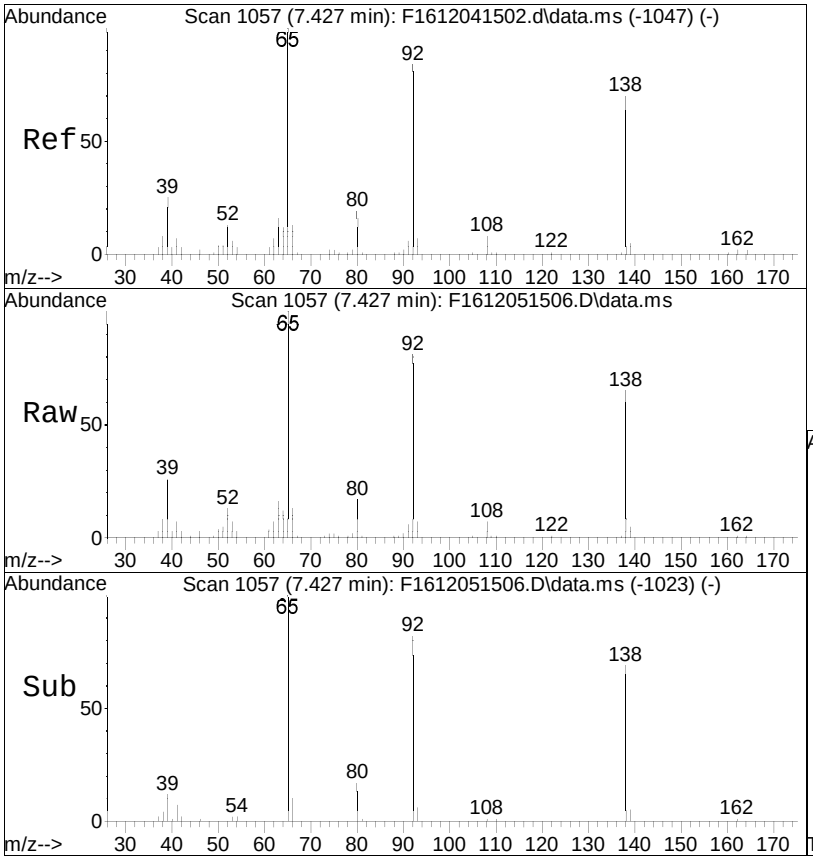


#50
Acenaphthene
Concen: 10.19 ug/mL
RT: 7.489 min Scan# 1070
Delta R.T. 0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:153 Resp: 1172586

Ion	Ratio	Lower	Upper
153	100		
154	94.7	77.2	115.8
152	47.7	37.9	56.9

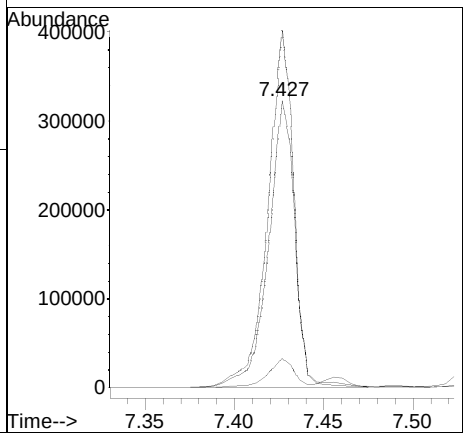


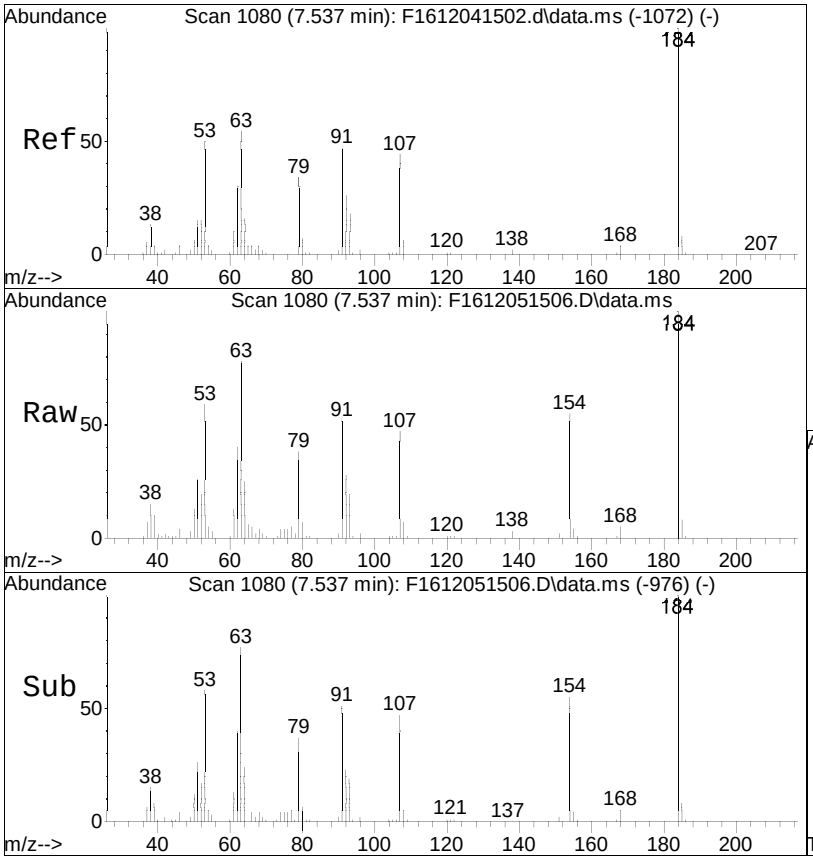


#51
3-Nitroaniline
Concen: 10.37 ug/mL
RT: 7.427 min Scan# 1057
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:138 Resp: 326658

Ion	Ratio	Lower	Upper
138	100		
108	10.2	8.6	12.8
92	121.7	86.3	129.5

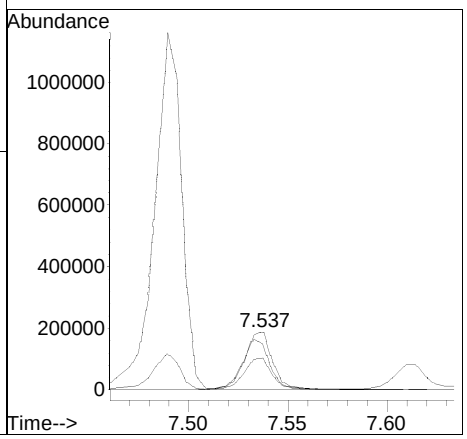


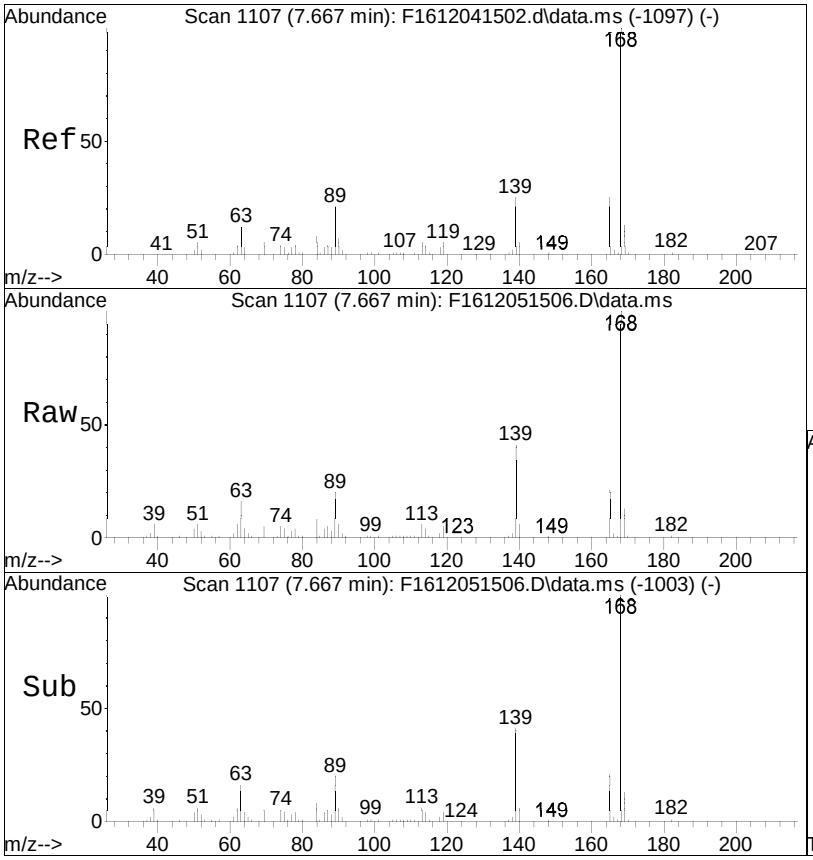


#52
2,4-Dinitrophenol
Concen: 9.80 ug/mL
RT: 7.537 min Scan# 1080
Delta R.T. 0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:184 Resp: 187510

Ion	Ratio	Lower	Upper
184	100		
63	85.9	46.0	69.0#
154	53.6	42.5	63.7

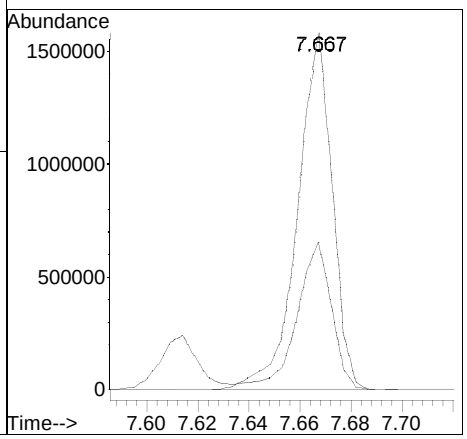


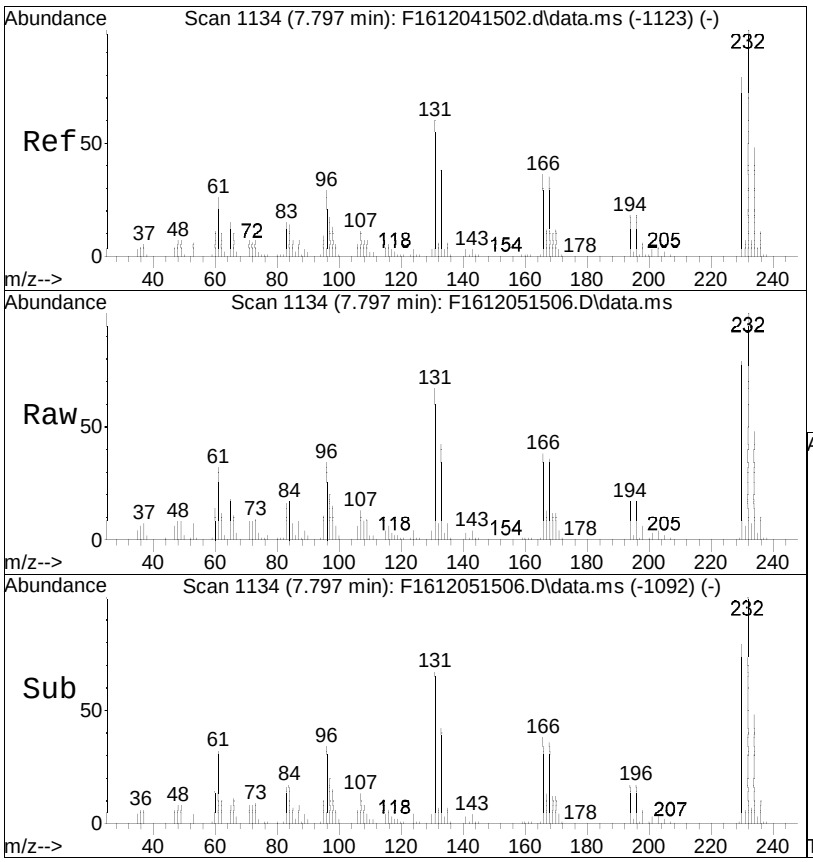


#53
Dibenzofuran
Concen: 10.11 ug/mL
RT: 7.667 min Scan# 1107
Delta R.T. 0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:168 Resp: 1484804

Ion	Ratio	Lower	Upper
168	100		
139	41.2	30.2	45.4

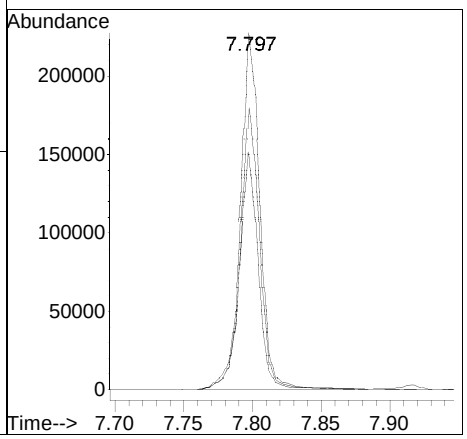


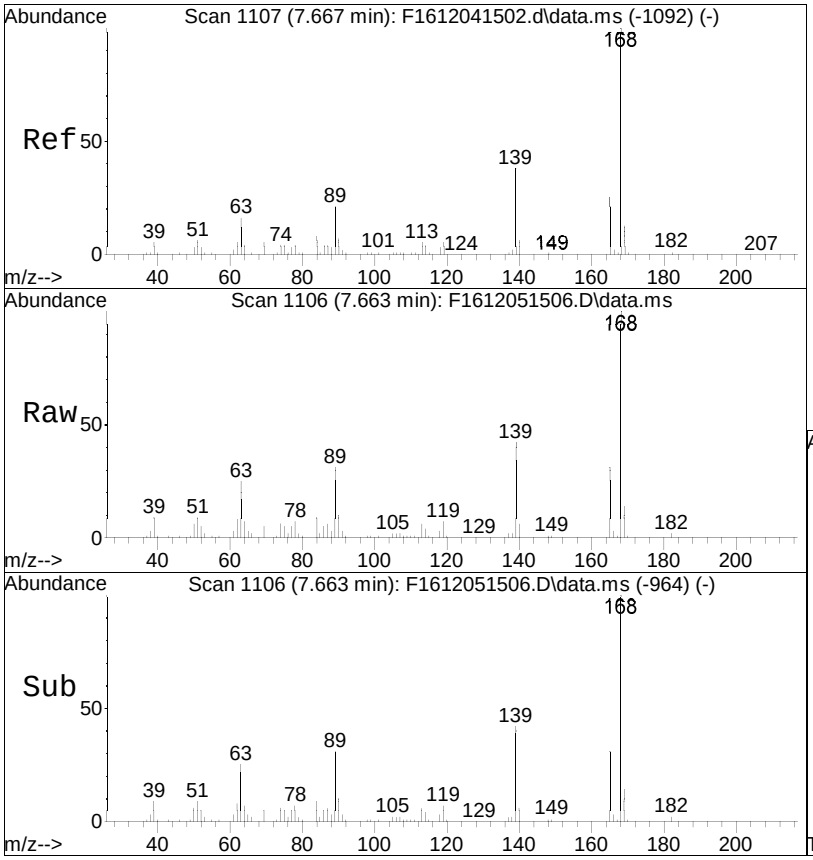


#54
2,3,4,6-Tetrachlorophenol
Concen: 10.28
RT: 7.797 min Scan# 1134
Delta R.T. 0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:232 Resp: 222846

Ion	Ratio	Lower	Upper
232	100		
131	65.5	46.9	70.3
230	78.6	63.7	95.5

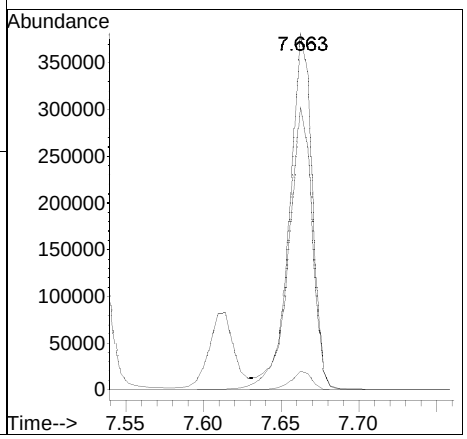


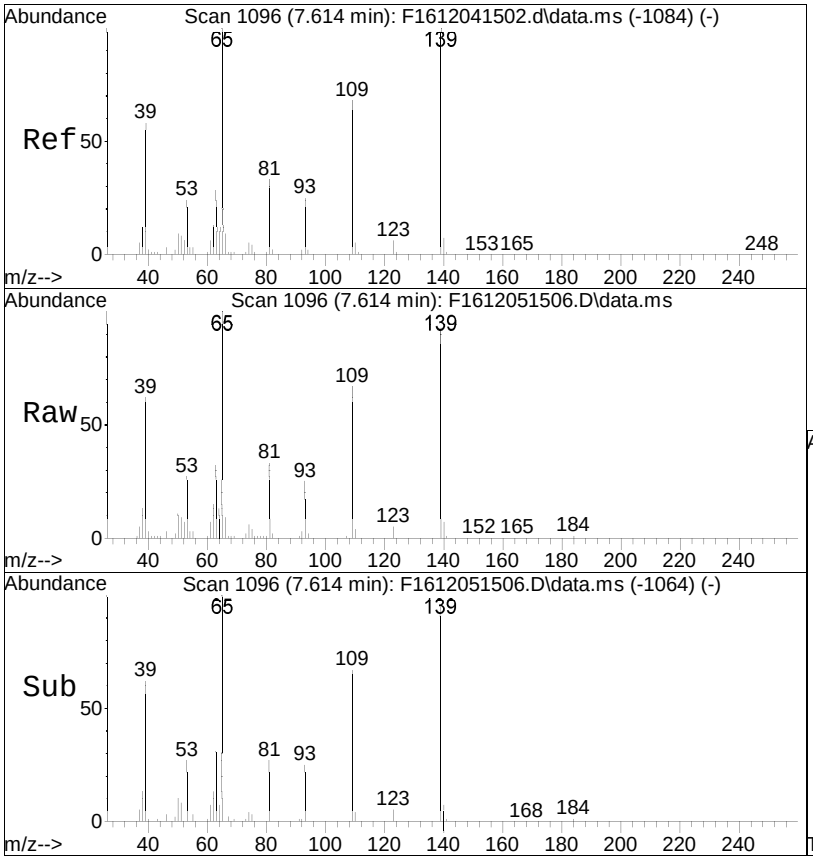


#55
2,4-Dinitrotoluene
Concen: 10.38 ug/mL
RT: 7.663 min Scan# 1106
Delta R.T. -0.004 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:165 Resp: 387661

Ion	Ratio	Lower	Upper
165	100		
63	82.5	33.0	49.6#
182	4.9	3.9	5.9

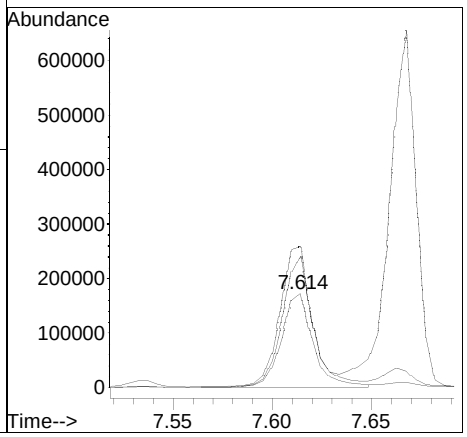


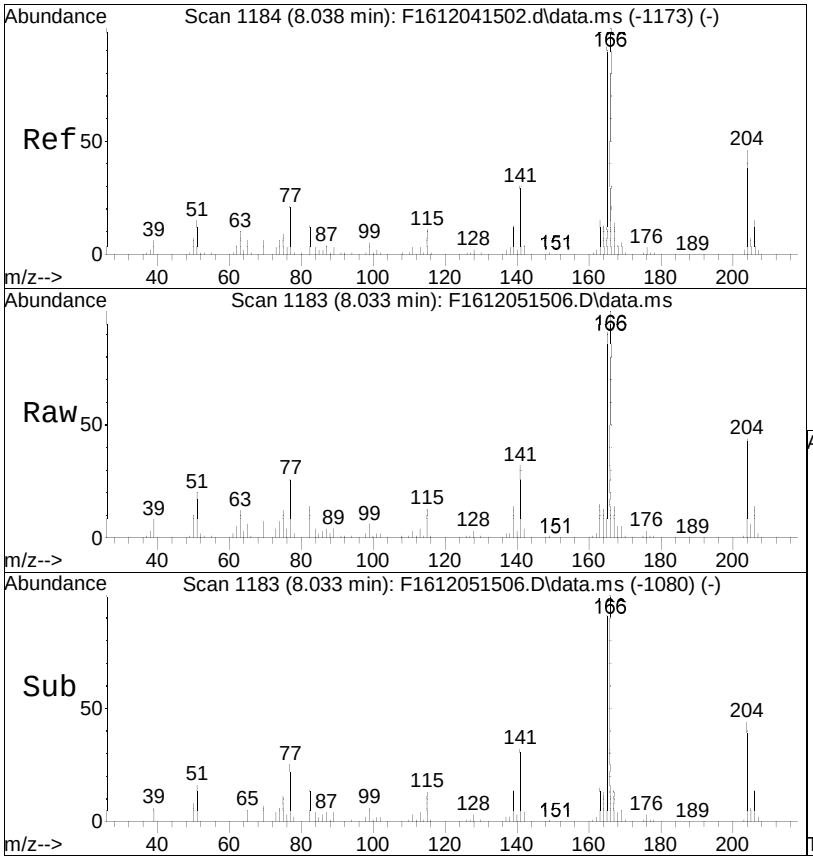


#56
4-Nitrophenol
Concen: 11.01 ug/mL
RT: 7.614 min Scan# 1096
Delta R.T. 0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:109 Resp: 192667

Ion	Ratio	Lower	Upper
109	100		
139	134.0	117.7	176.5
65	154.5	106.1	159.1

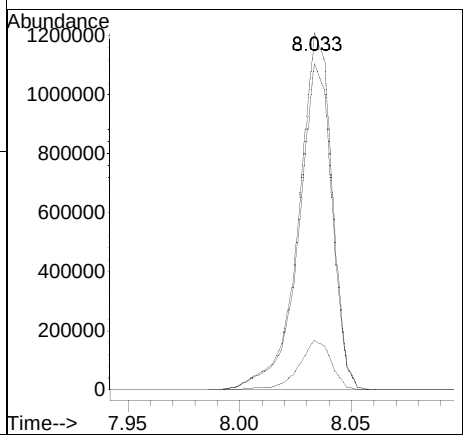


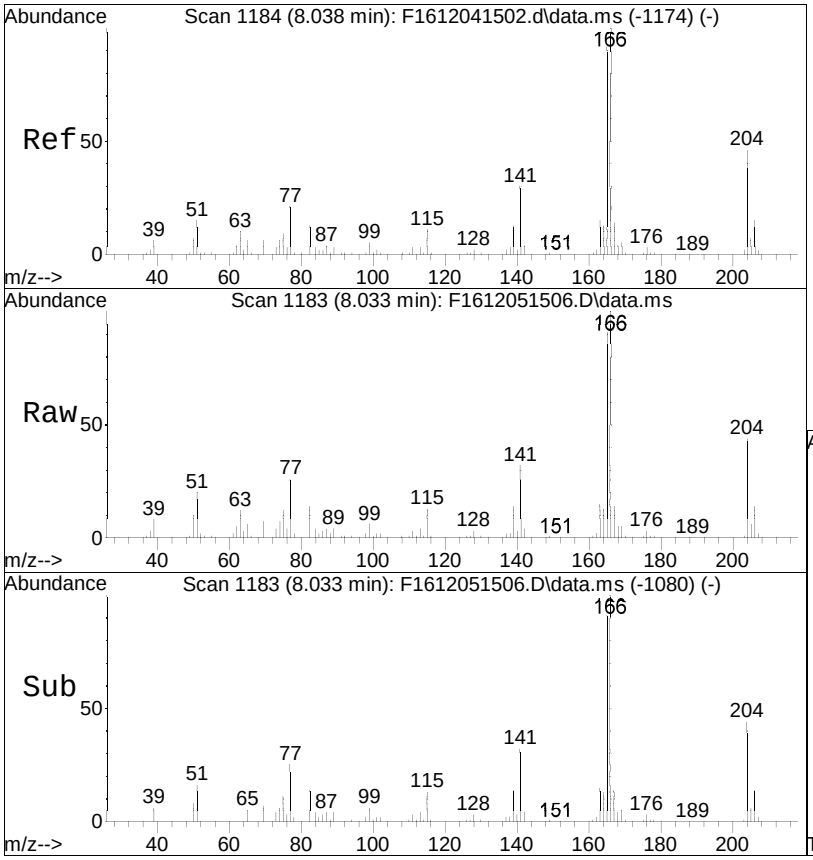


#57
Fluorene
Concen: 10.46 ug/mL
RT: 8.033 min Scan# 1183
Delta R.T. -0.005 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:166 Resp: 1264372

Ion	Ratio	Lower	Upper
166	100		
165	91.4	72.0	108.0
167	13.6	10.6	15.8

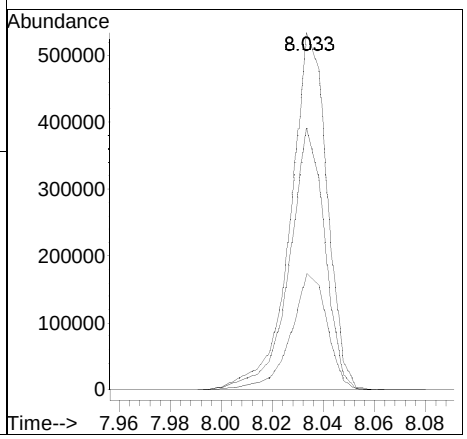


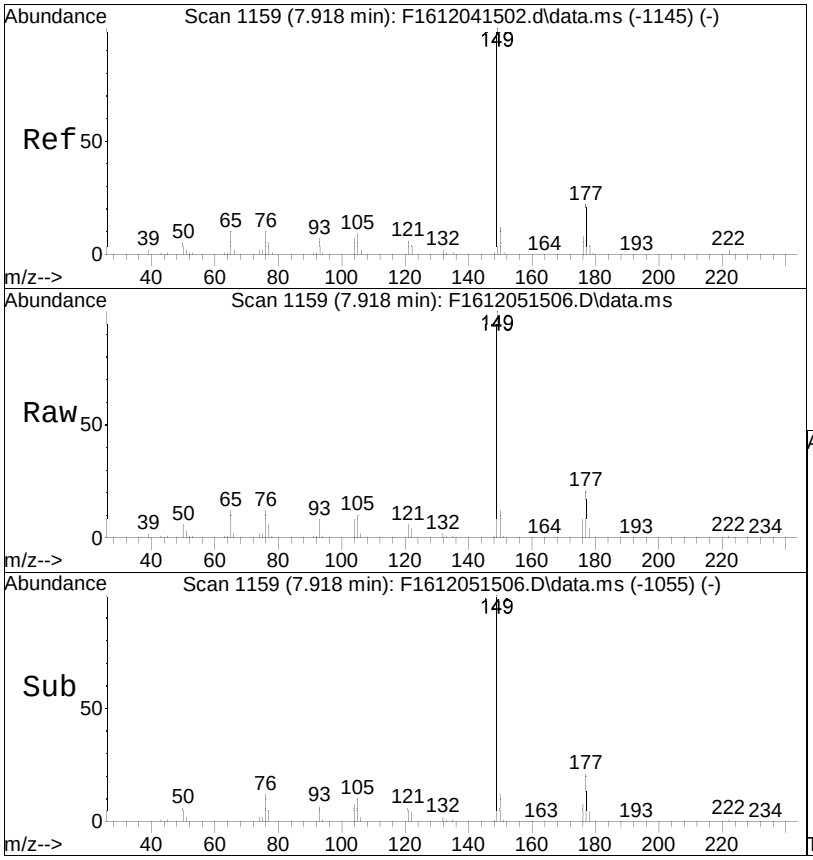


#58
4-Chlorophenyl-phenylether
Concen: 10.25 ug/mL
RT: 8.033 min Scan# 1183
Delta R.T. -0.005 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:204 Resp: 534953

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.7	38.5
141	71.1	52.9	79.3

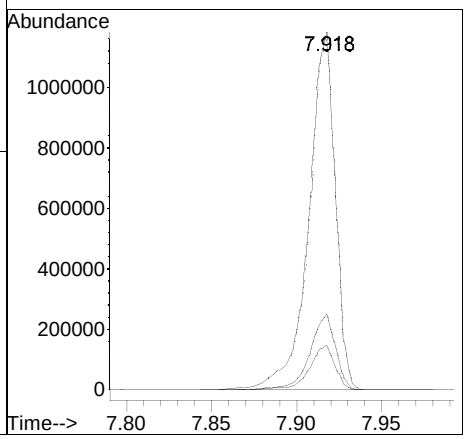


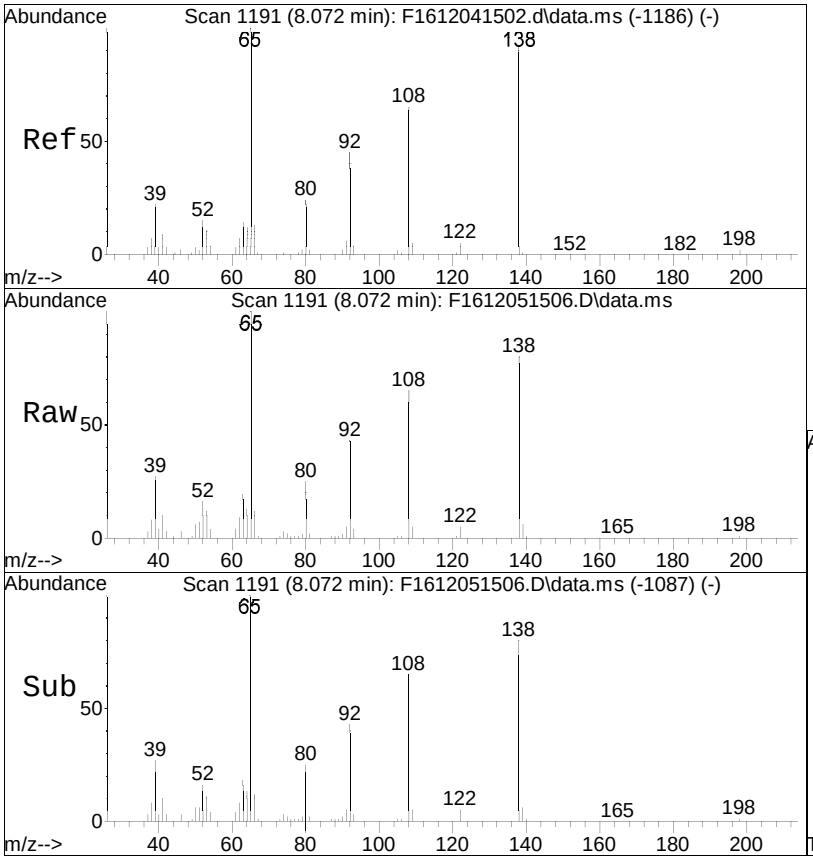


#59
Diethylphthalate
Concen: 10.22 ug/mL
RT: 7.918 min Scan# 1159
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:149 Resp: 1270587

Ion	Ratio	Lower	Upper
149	100		
177	20.8	18.6	27.8
150	12.3	9.8	14.8

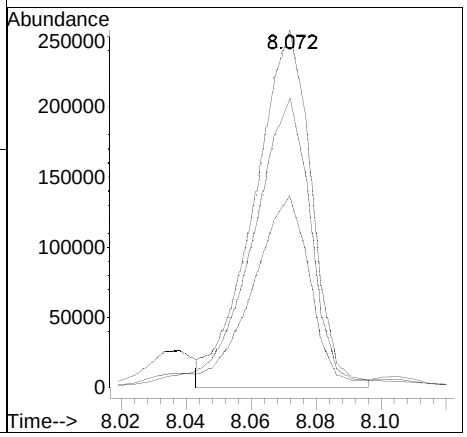


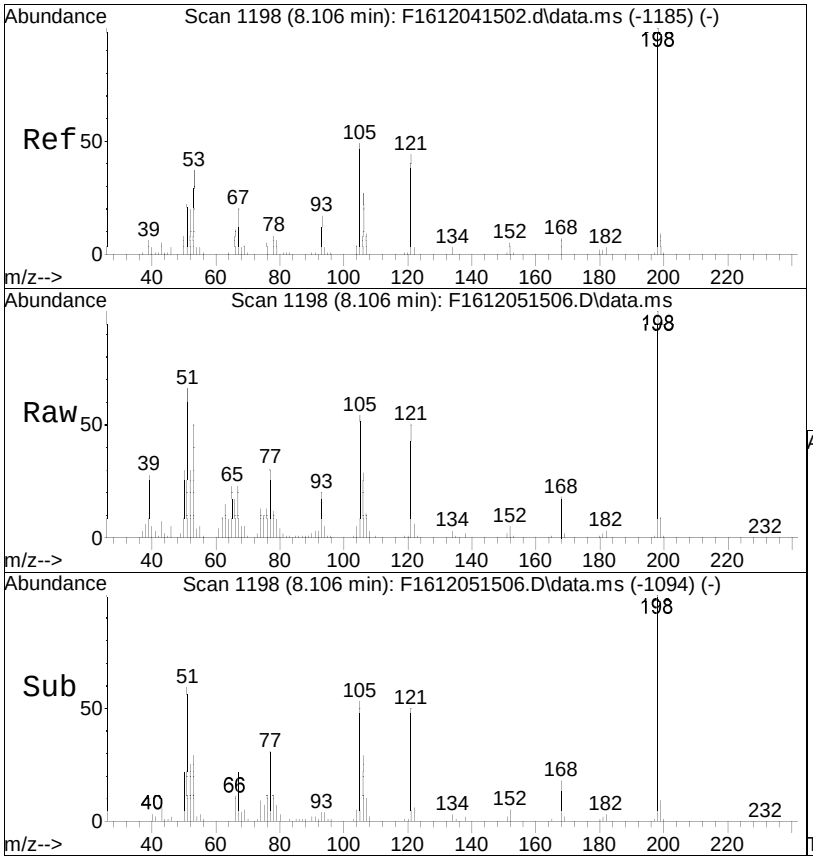


#60
4-Nitroaniline
Concen: 10.20 ug/mL M4
RT: 8.072 min Scan# 1191
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:138 Resp: 310555

Ion	Ratio	Lower	Upper
138	100		
92	53.4	37.7	56.5
108	84.7	57.6	86.4

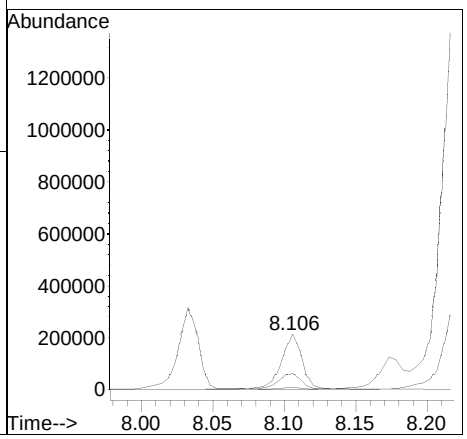


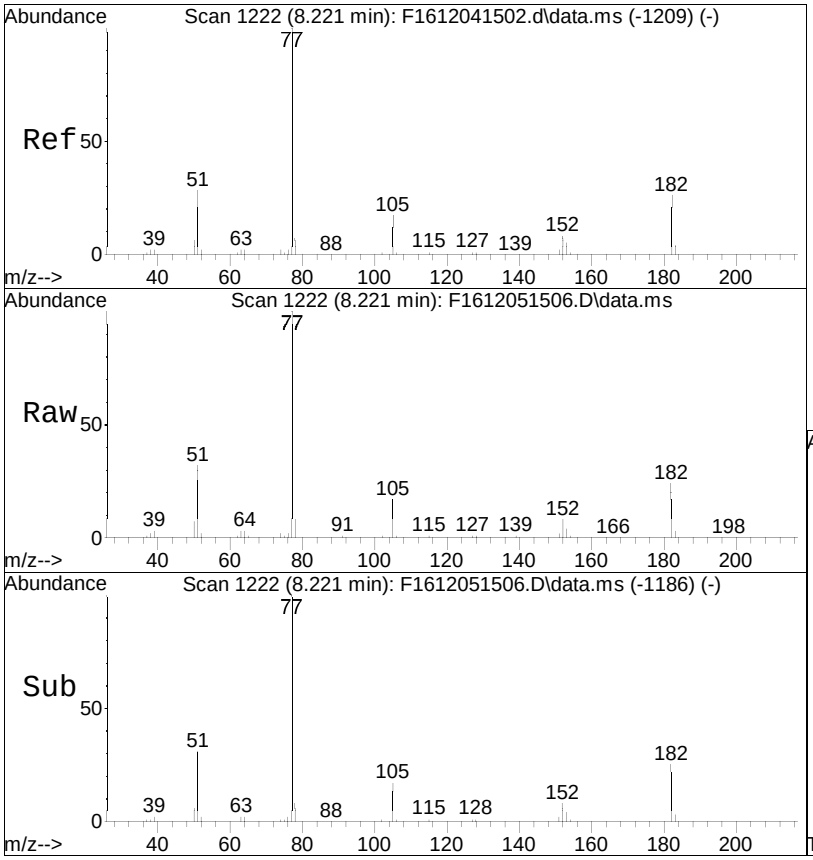


#62
4,6-Dinitro-2-methylphenol
Concen: 9.67 ug/mL
RT: 8.106 min Scan# 1198
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:198 Resp: 218263

Ion	Ratio	Lower	Upper
198	100		
182	3.3	0.0	0.0#
77	28.9	0.0	0.0#

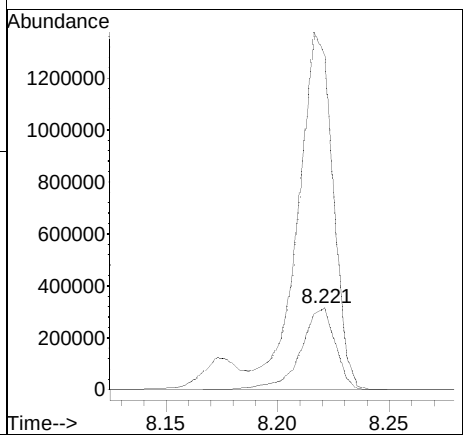


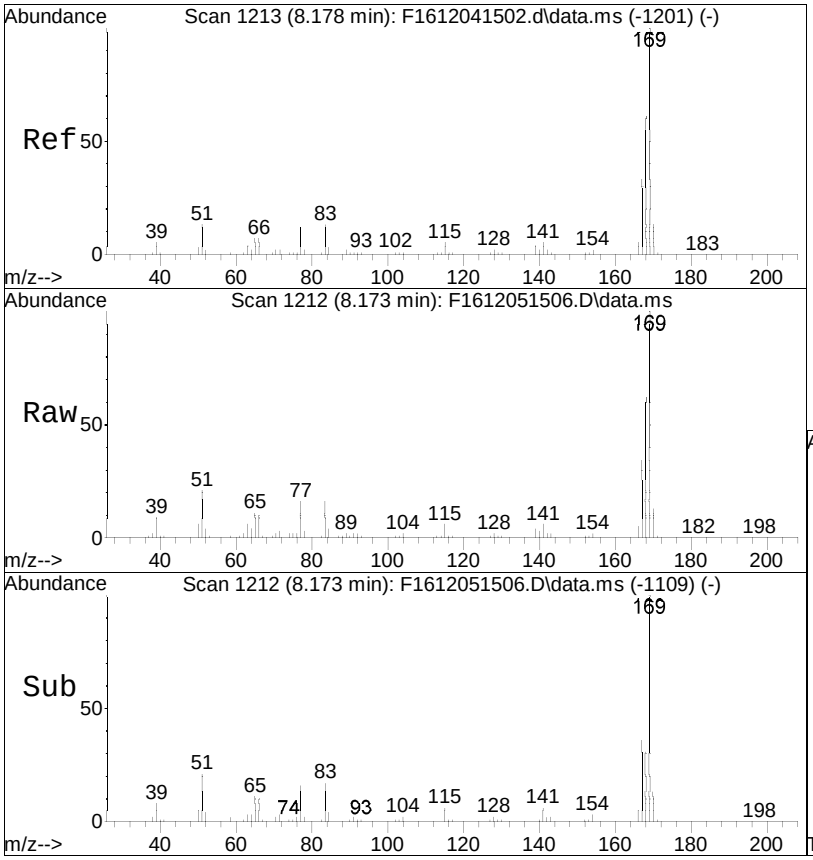


#63
Azobenzene
Concen: 9.90 ug/mL
RT: 8.221 min Scan# 1222
Delta R.T. 0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:182 Resp: 341890

Ion	Ratio	Lower	Upper
182	100		
77	432.7	56.3	647.3

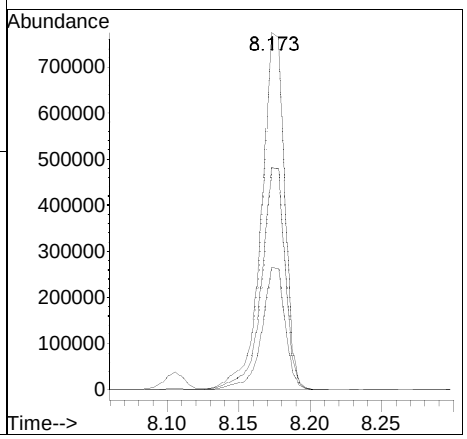


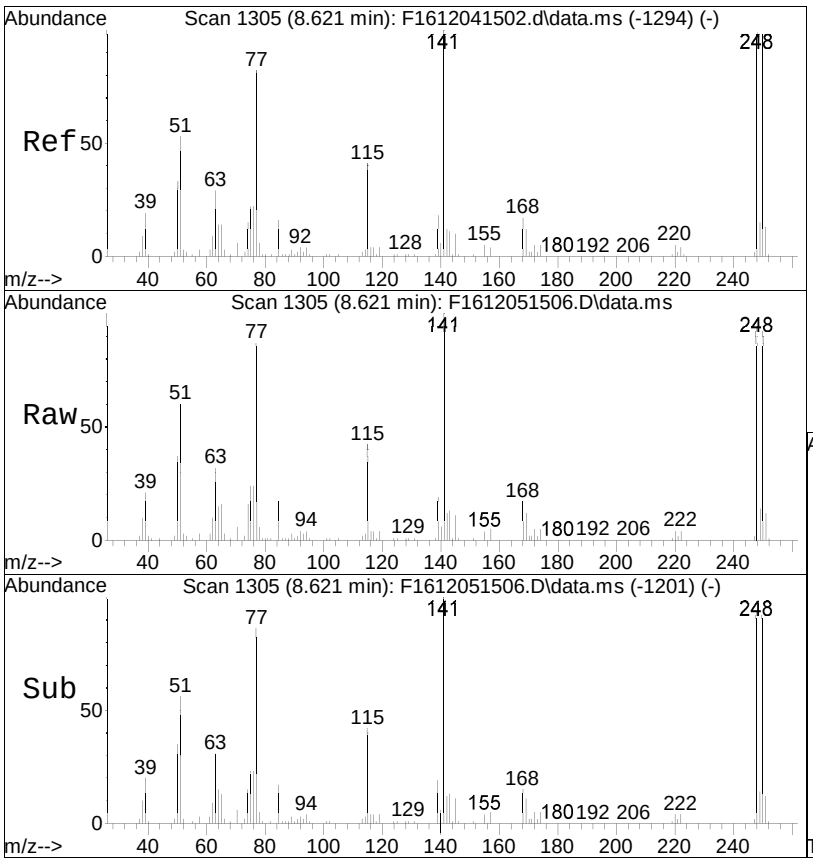


#64
n-Nitrosodiphenylamine
Concen: 9.91 ug/mL
RT: 8.173 min Scan# 1212
Delta R.T. -0.005 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:169 Resp: 862513

Ion	Ratio	Lower	Upper
169	100		
168	63.2	50.7	76.1
167	35.0	28.0	42.0

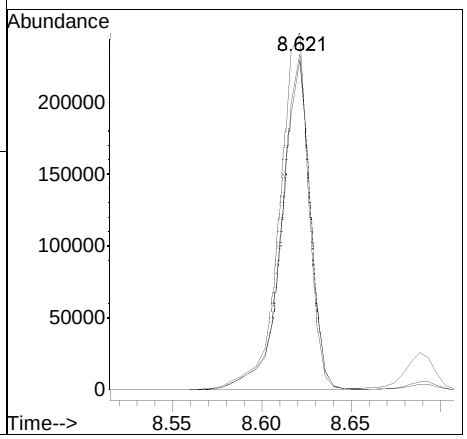


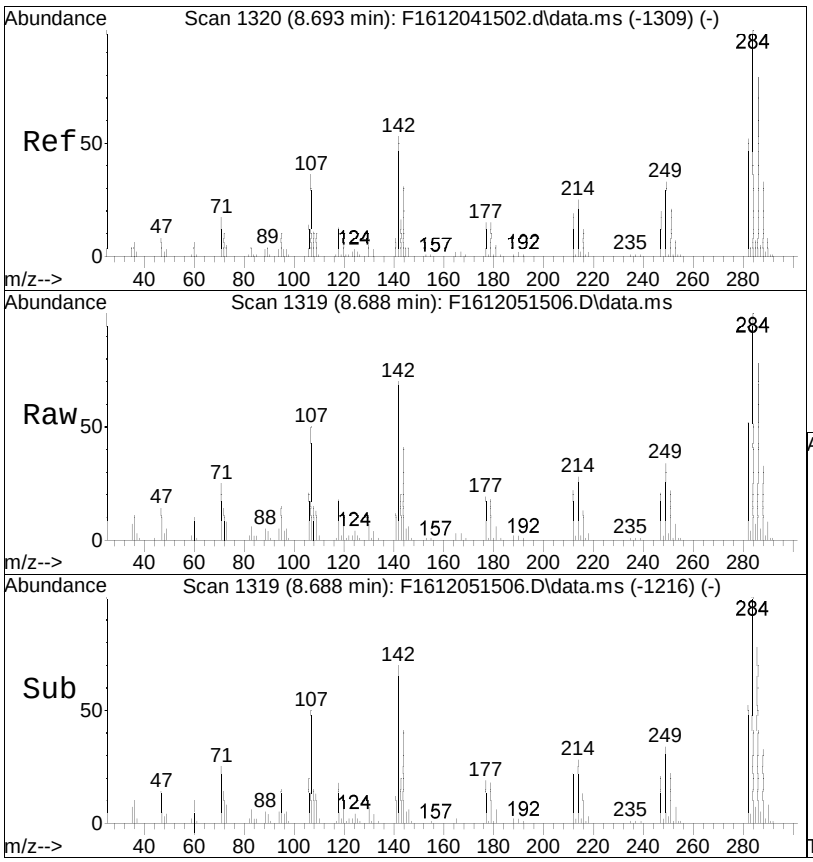


#66
4-Bromophenyl-phenylether
Concen: 9.76 ug/mL
RT: 8.621 min Scan# 1305
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:248 Resp: 259188

Ion	Ratio	Lower	Upper
248	100		
250	97.3	76.2	114.2
141	108.2	74.1	111.1

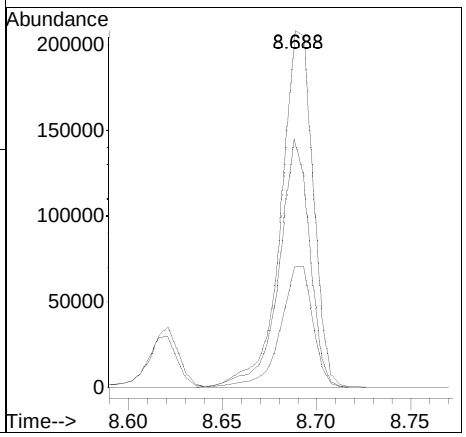


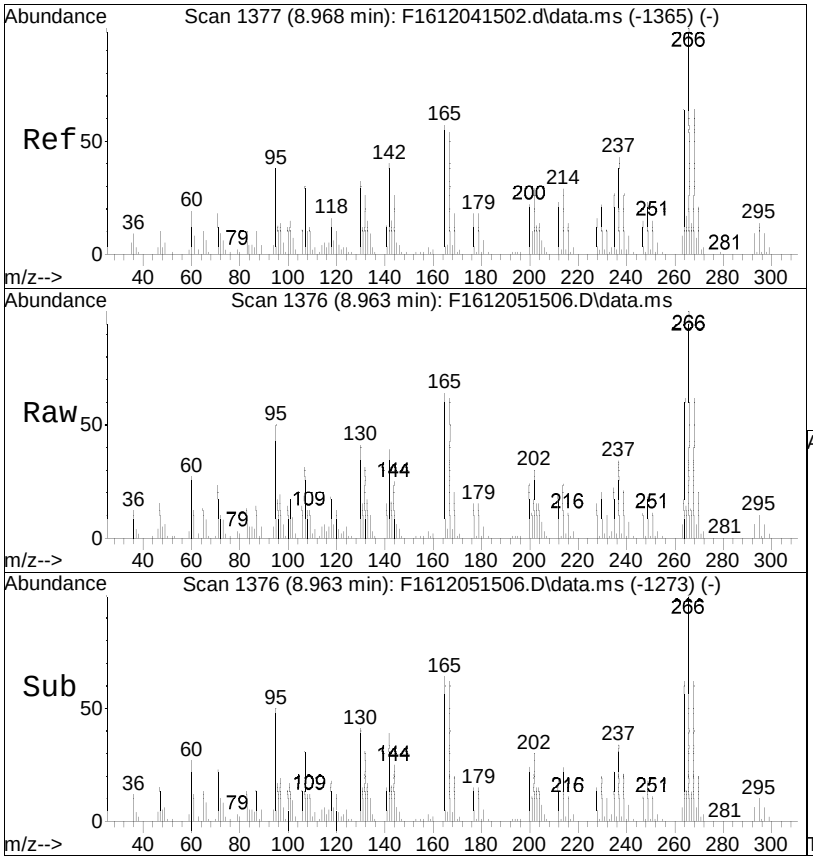


#67
Hexachlorobenzene
Concen: 9.44 ug/mL
RT: 8.688 min Scan# 1319
Delta R.T. -0.005 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:284 Resp: 249332

Ion	Ratio	Lower	Upper
284	100		
142	66.1	41.2	61.8#
249	34.0	25.4	38.0

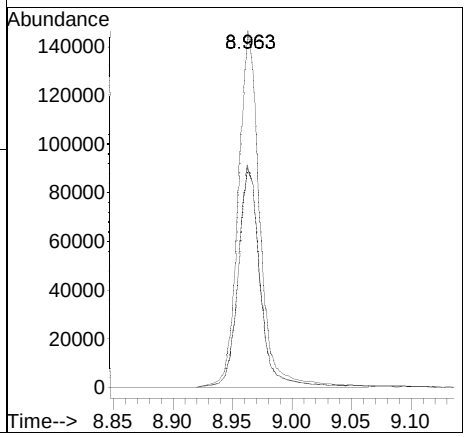


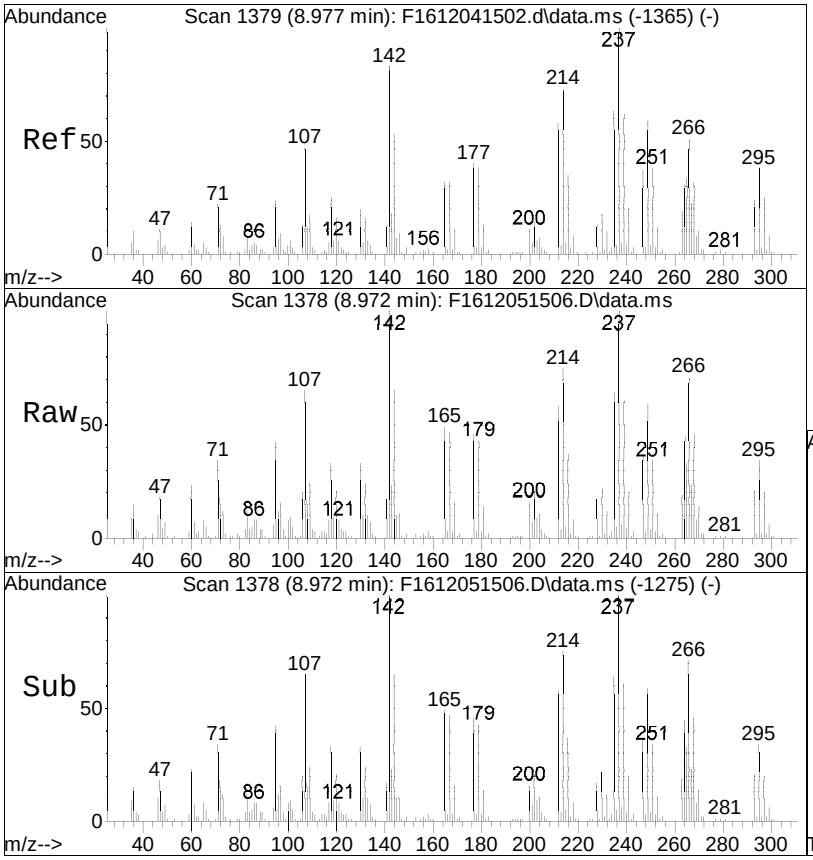


#69
Pentachlorophenol
Concen: 9.68 ug/mL
RT: 8.963 min Scan# 1376
Delta R.T. -0.005 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:266 Resp: 184506

Ion	Ratio	Lower	Upper
266	100		
264	62.7	50.2	75.4
268	62.9	49.4	74.0

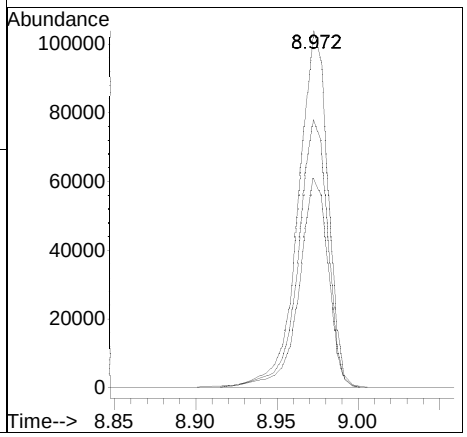


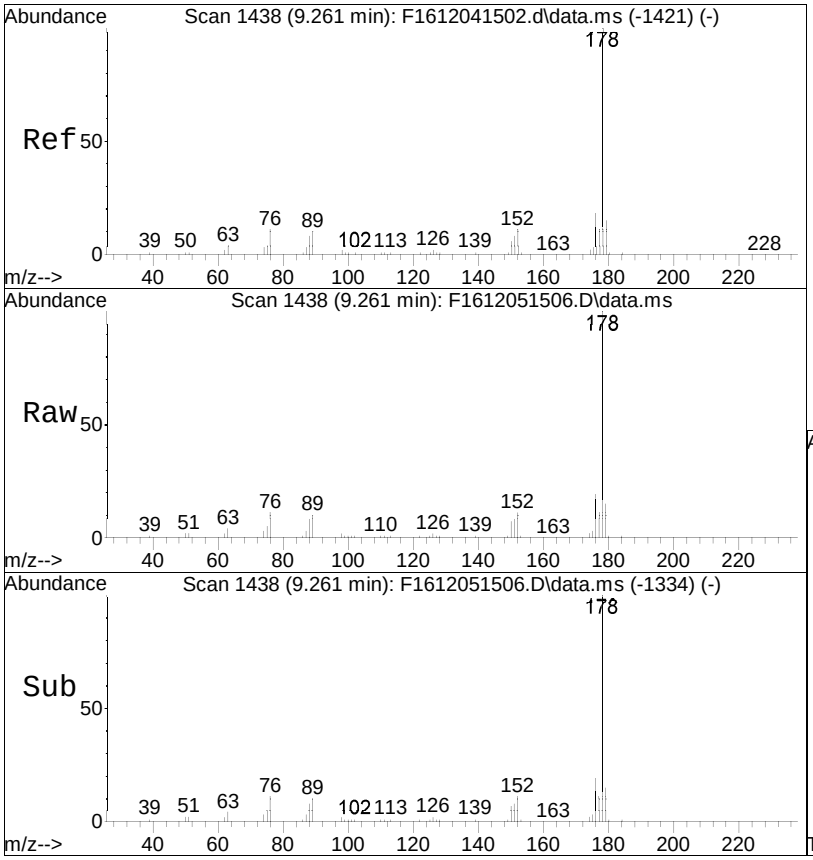


#70
Pentachloronitrobenzene
Concen: 10.18 ug/ml
RT: 8.972 min Scan# 1378
Delta R.T. -0.005 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:237 Resp: 132982

Ion	Ratio	Lower	Upper
237	100		
214	74.3	59.4	89.2
249	57.2	46.4	69.6

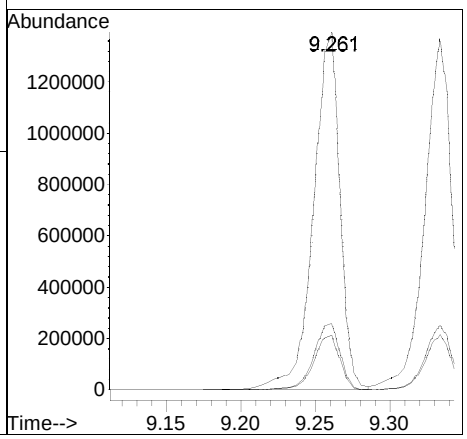


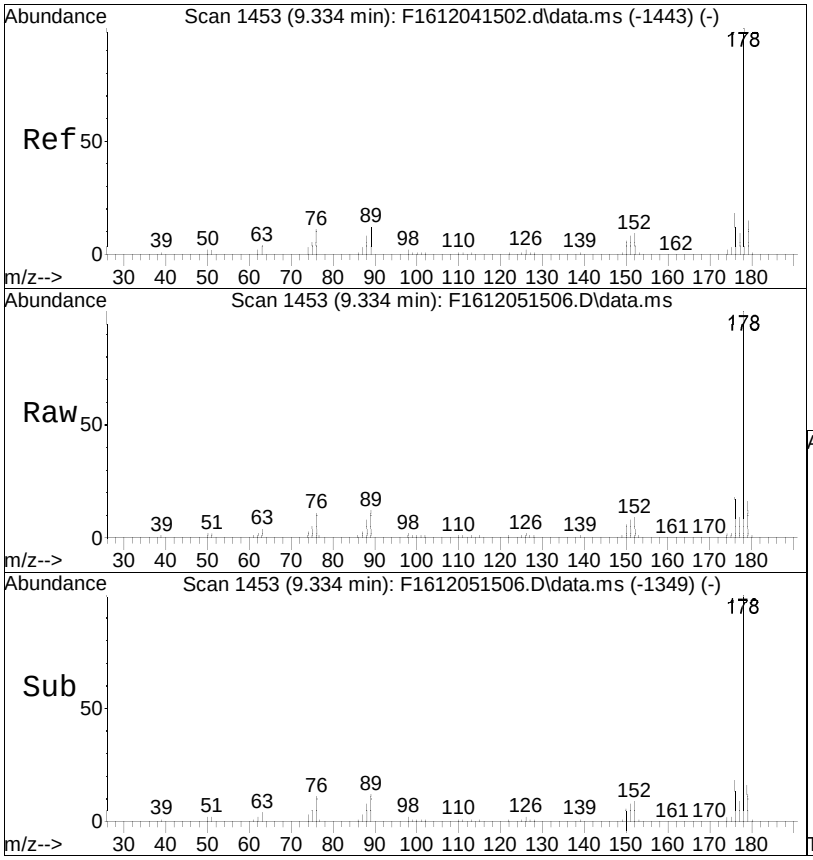


#71
Phenanthrene
Concen: 9.99 ug/mL
RT: 9.261 min Scan# 1438
Delta R.T. 0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:178 Resp: 1726805

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.2
176	18.8	15.1	22.7

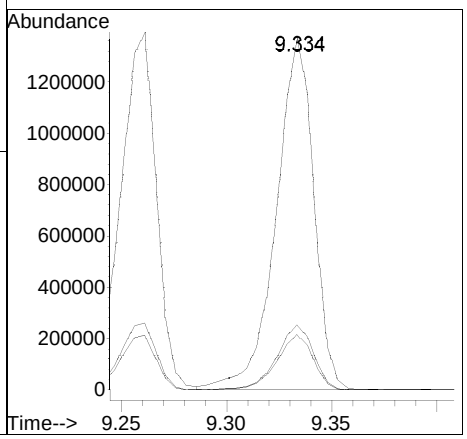


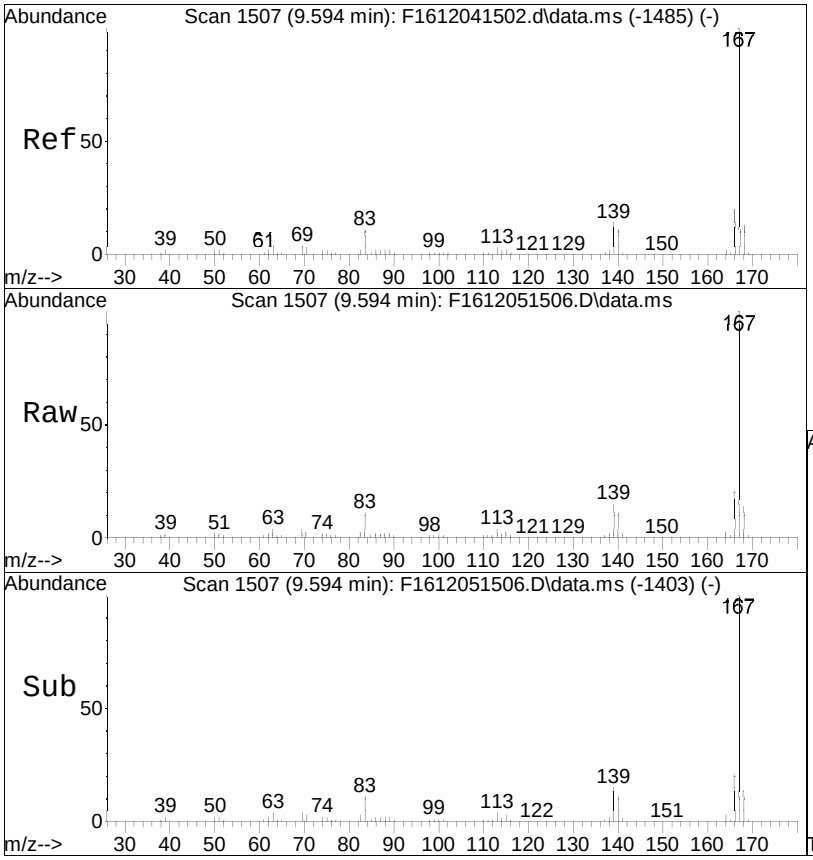


#72
Anthracene
Concen: 10.13 ug/mL M4
RT: 9.334 min Scan# 1453
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:178 Resp: 1706135

Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.8	17.6
176	18.2	14.2	21.4

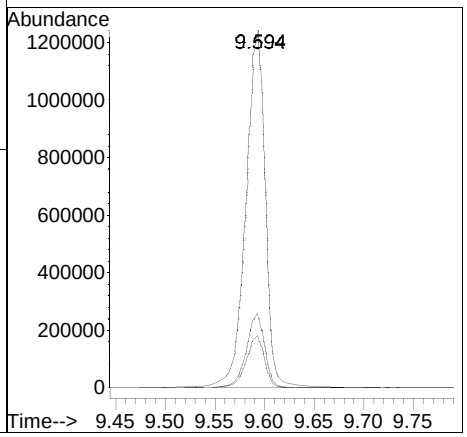


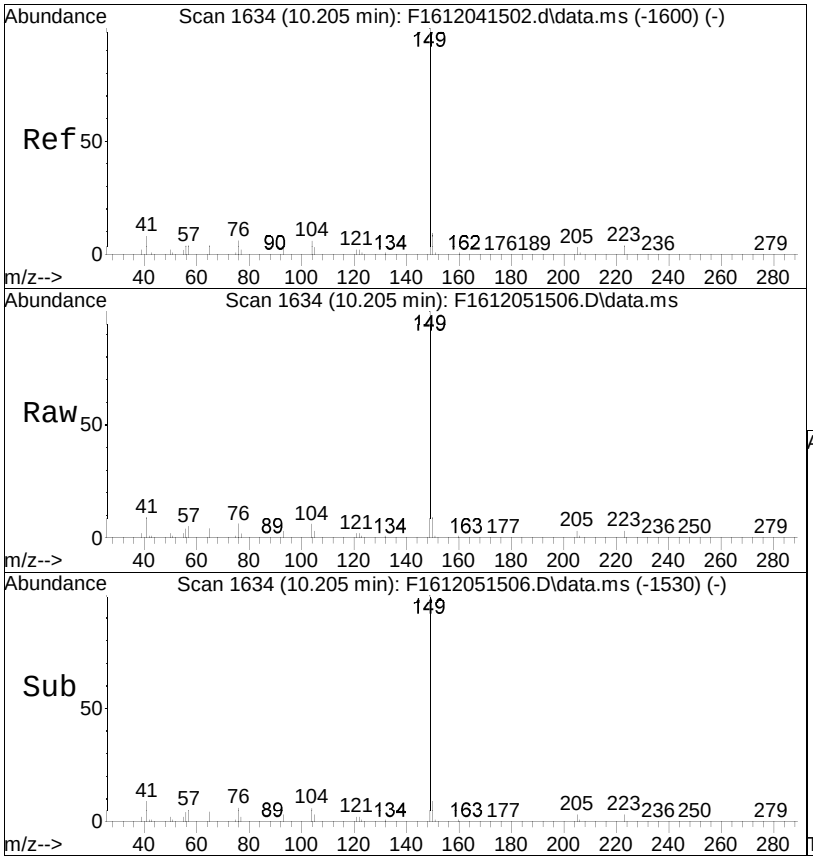


#73
Carbazole
Concen: 10.11 ug/mL
RT: 9.594 min Scan# 1507
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:167 Resp: 1657473

Ion	Ratio	Lower	Upper
167	100		
139	14.3	10.2	15.2
166	20.3	16.1	24.1

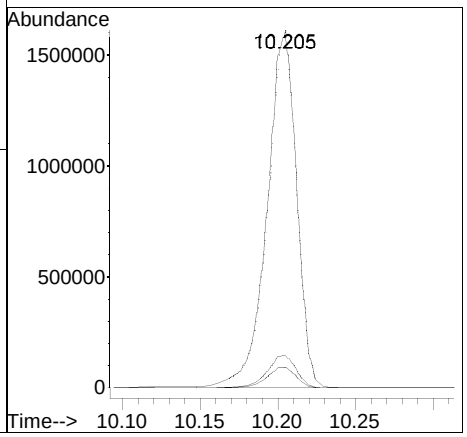


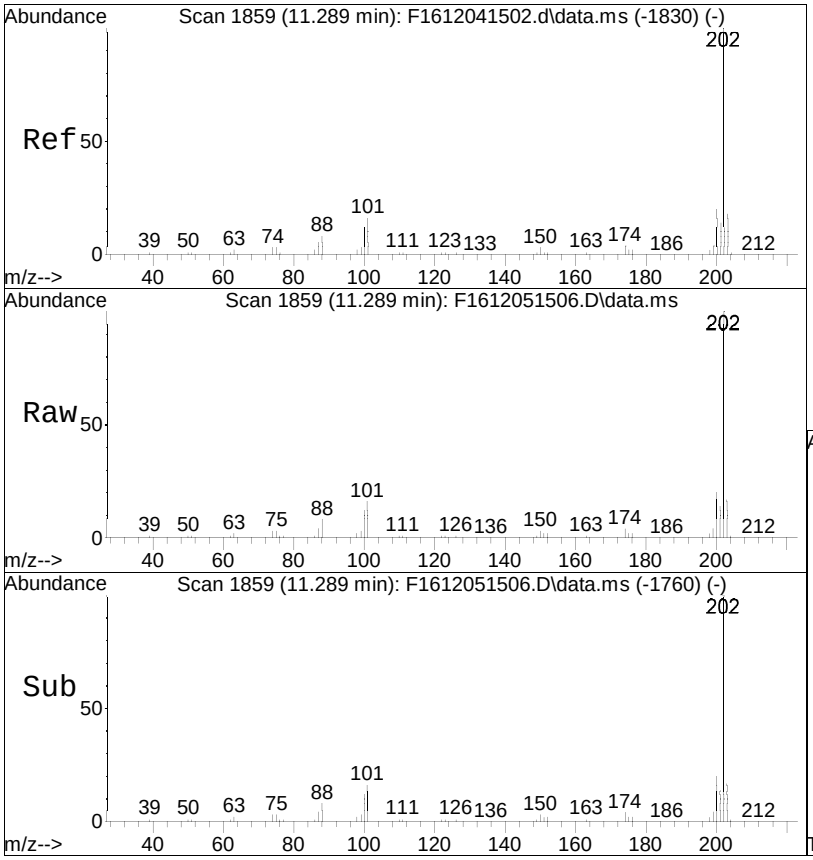


#74
Di-n-butylphthalate
Concen: 10.30 ug/mL
RT: 10.205 min Scan# 1634
Delta R.T. 0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:149 Resp: 2083827

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.0	10.4
104	5.9	3.9	5.9#

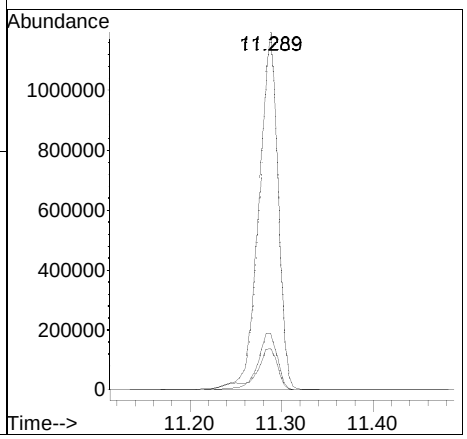


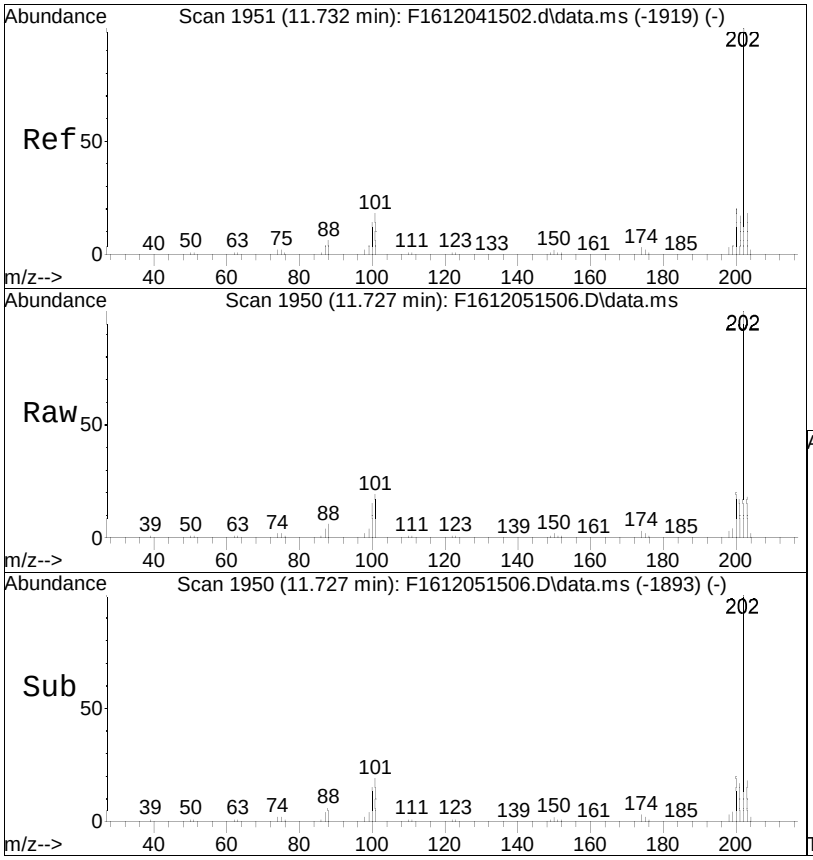


#75
Fluoranthene
Concen: 10.06 ug/mL
RT: 11.289 min Scan# 1859
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:202 Resp: 1706985

Ion	Ratio	Lower	Upper
202	100		
101	16.4	10.3	15.5#
100	11.6	7.5	11.3#

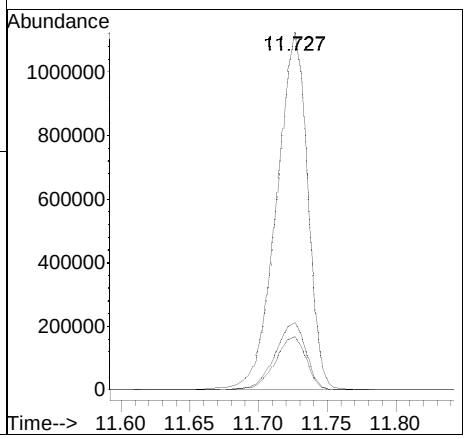


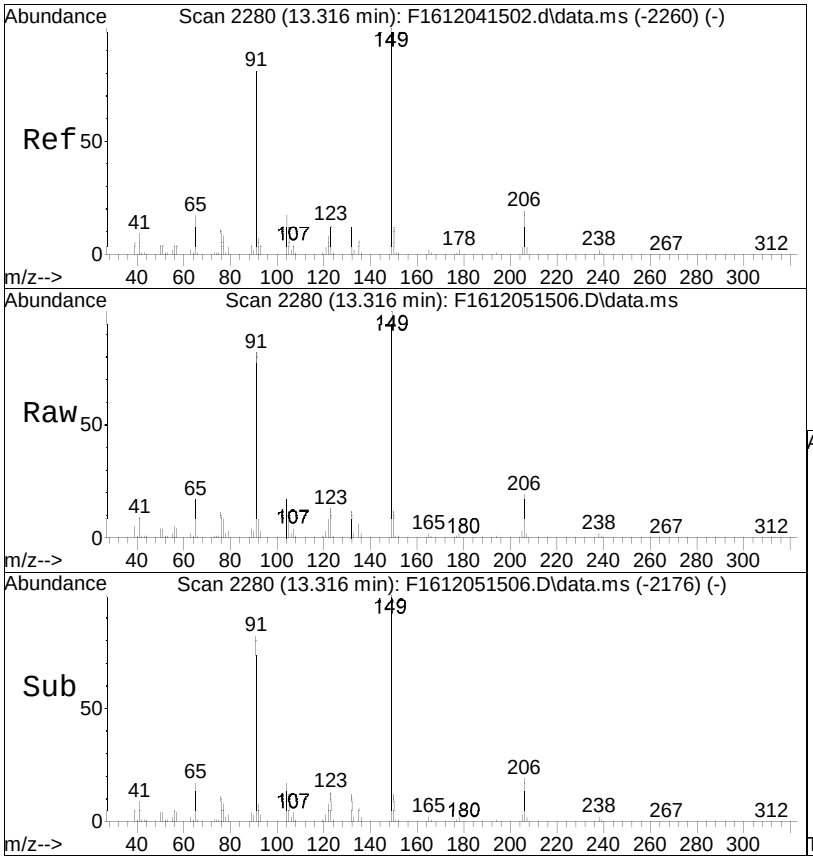


#78
Pyrene
Concen: 10.31 ug/mL
RT: 11.727 min Scan# 1950
Delta R.T. -0.005 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:202 Resp: 1756016

Ion	Ratio	Lower	Upper
202	100		
101	19.0	12.0	18.0#
100	15.2	9.3	13.9#

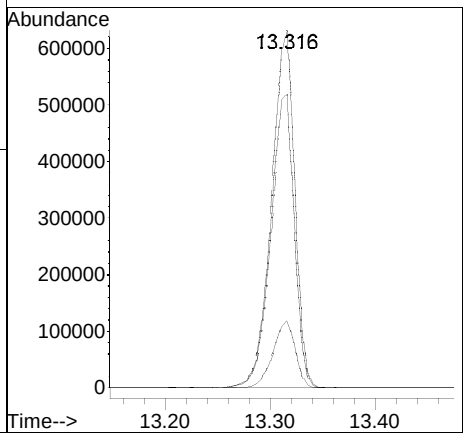


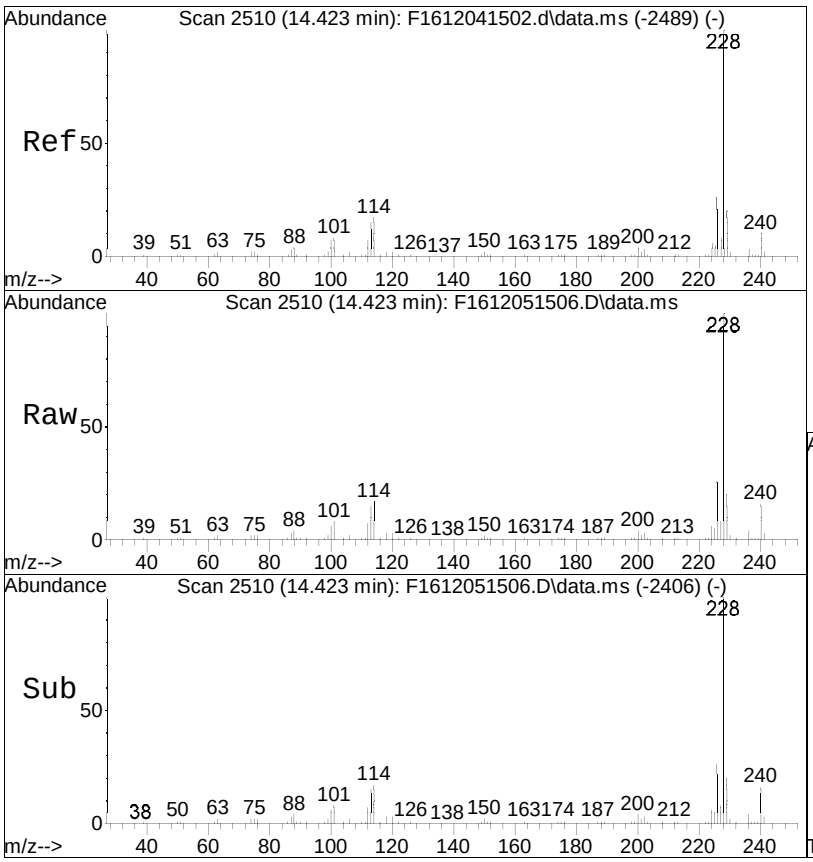


#80
Butylbenzylphthalate
Concen: 10.61 ug/mL
RT: 13.316 min Scan# 2280
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:149 Resp: 957873

Ion	Ratio	Lower	Upper
149	100		
91	82.8	57.8	86.6
206	18.4	18.3	27.5

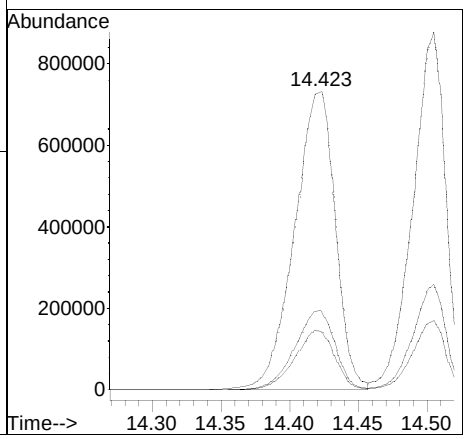


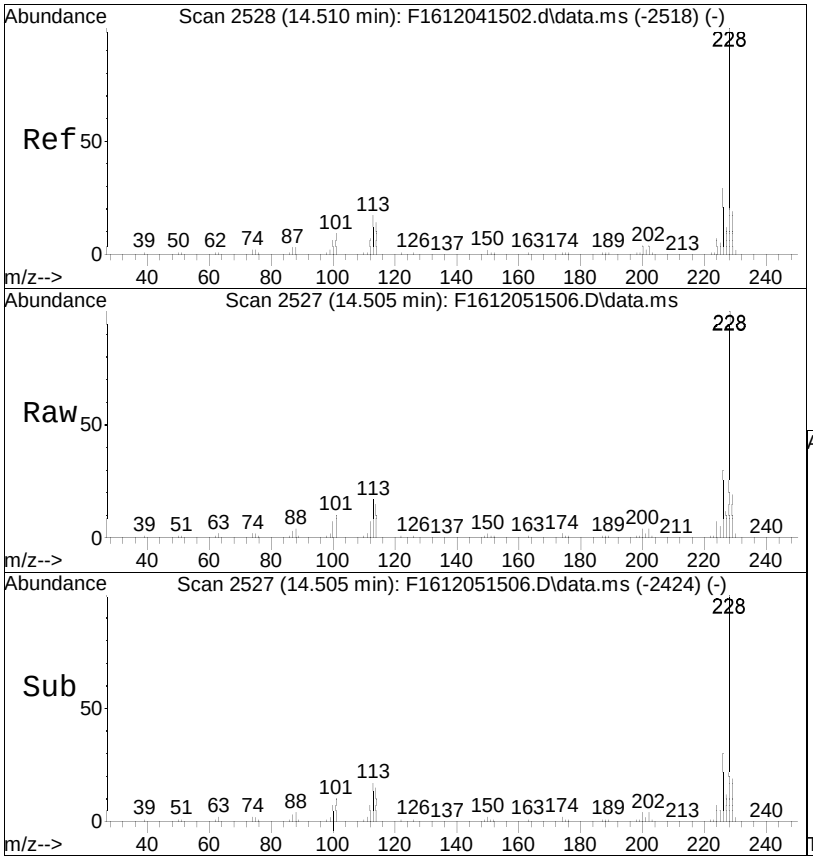


#82
Benz[a]anthracene
Concen: 9.98 ug/mL
RT: 14.423 min Scan# 2510
Delta R.T. 0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:228 Resp: 1510401

Ion	Ratio	Lower	Upper
228	100		
229	19.7	16.1	24.1
226	26.3	21.3	31.9

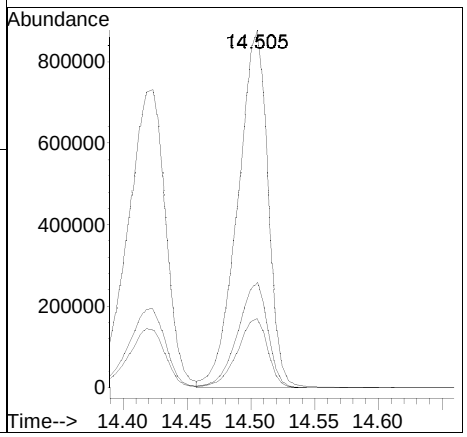


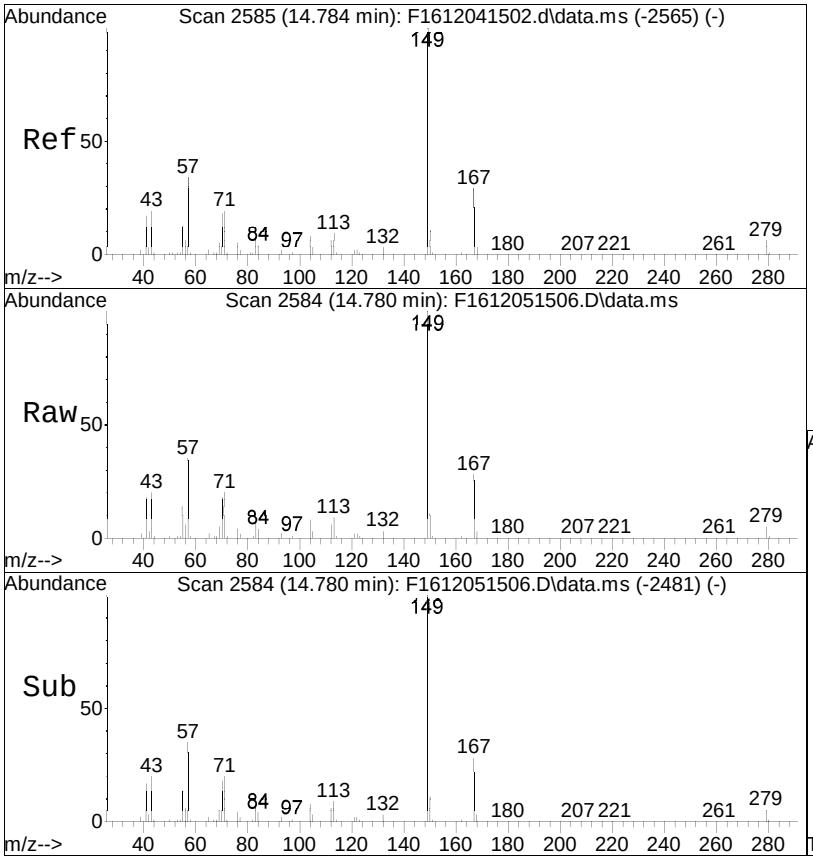


#83
Chrysene
Concen: 10.01 ug/mL
RT: 14.505 min Scan# 2527
Delta R.T. -0.005 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:228 Resp: 1444905

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.6	35.4
229	19.5	15.4	23.0

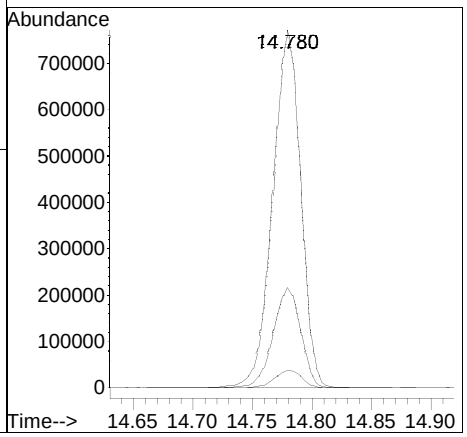


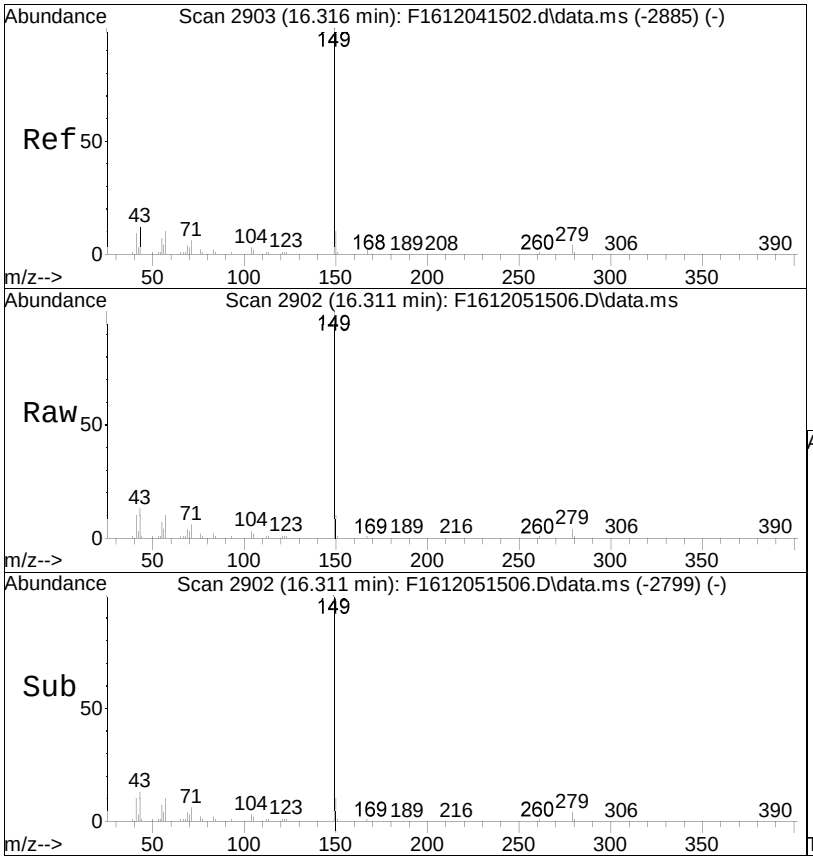


#84
bis(2-Ethylhexyl)phthalate
Concen: 10.65 ug/mL
RT: 14.780 min Scan# 2584
Delta R.T. -0.004 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:149 Resp: 1248079

Ion	Ratio	Lower	Upper
149	100		
167	28.2	26.2	39.4
279	5.0	5.2	7.8#

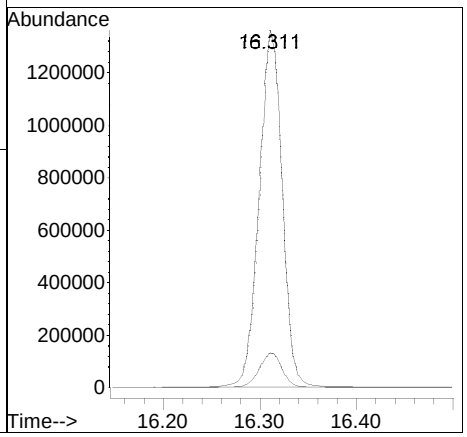


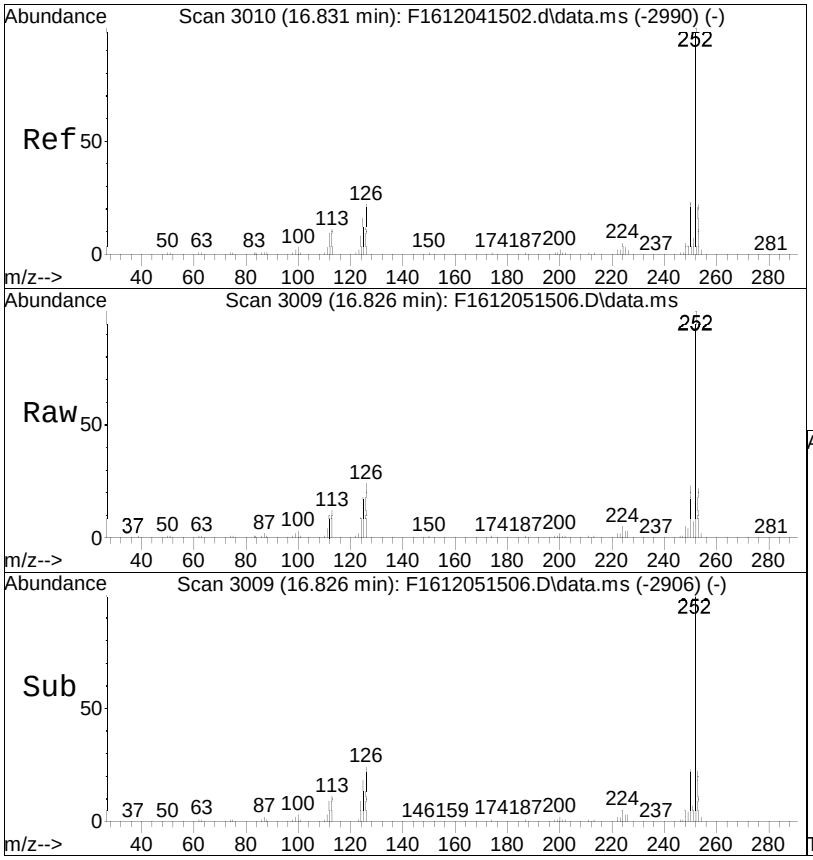


#86
Di-n-octylphthalate
Concen: 11.14 ug/mL
RT: 16.311 min Scan# 2902
Delta R.T. -0.005 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:149 Resp: 2217837

Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.9	11.9

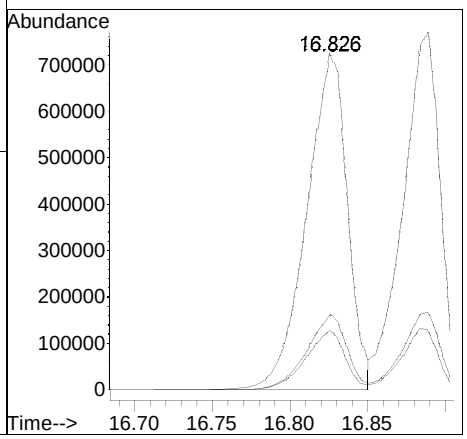


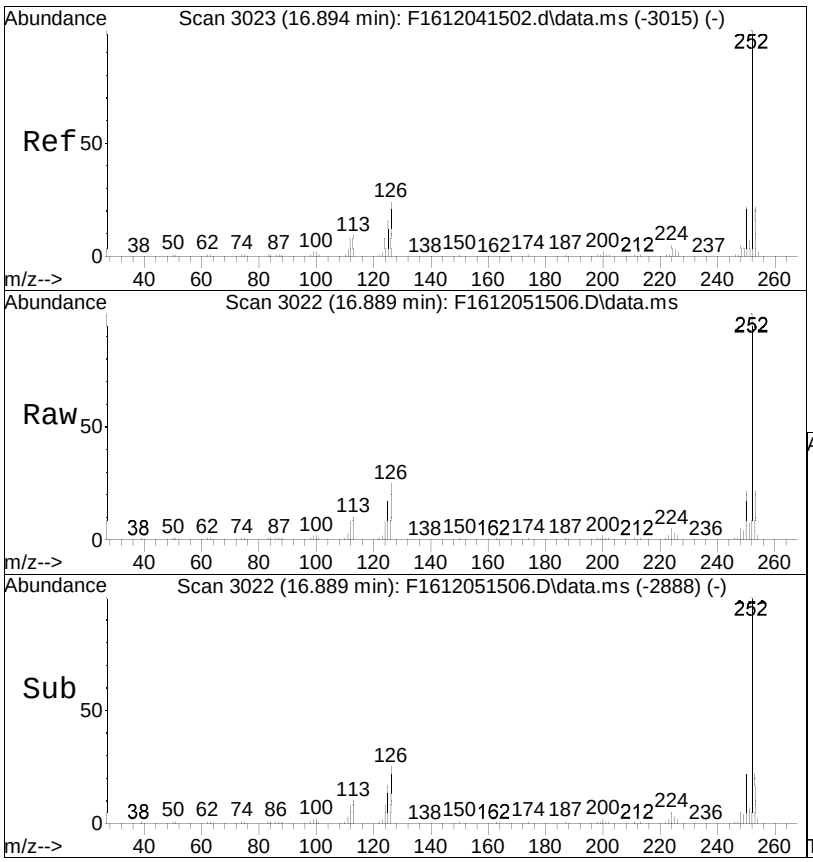


#87
Benzo[b]fluoranthene
Concen: 10.13 ug/mL
RT: 16.826 min Scan# 3009
Delta R.T. -0.005 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:252 Resp: 1319637

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	17.3	10.6	16.0#

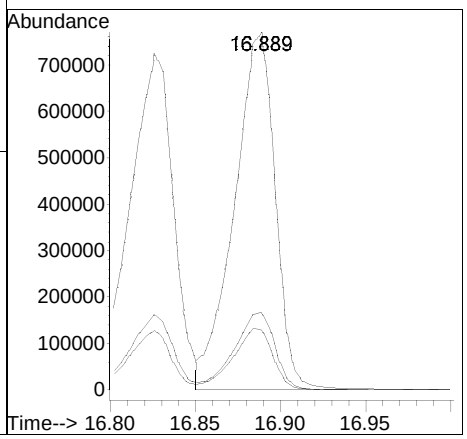


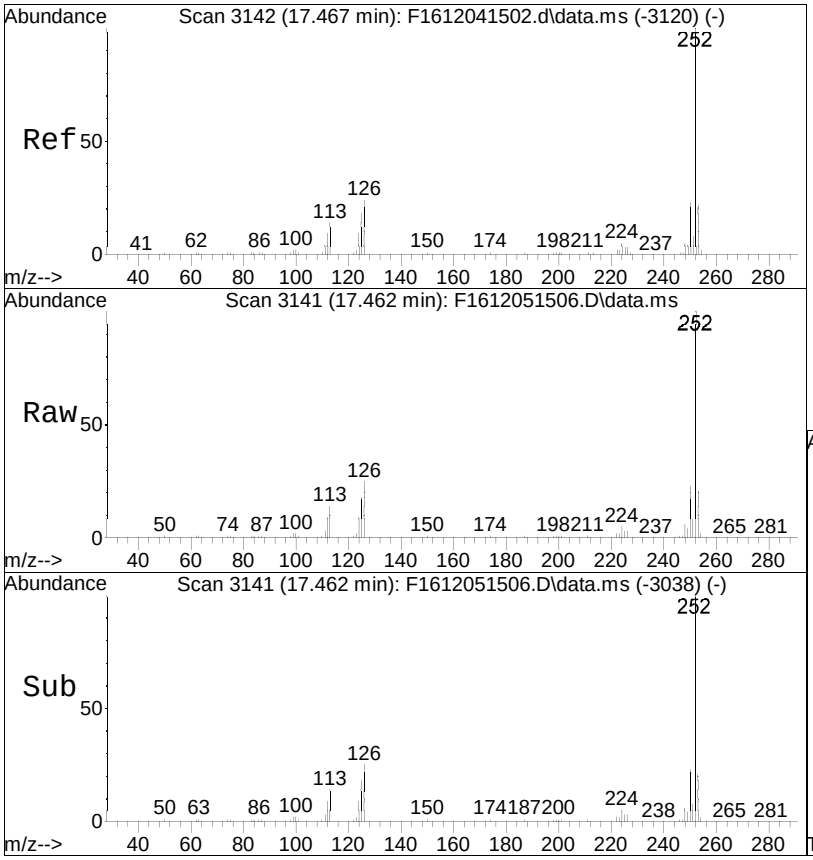


#88
Benzo[k]fluoranthene
Concen: 10.32 ug/mL M4
RT: 16.889 min Scan# 3022
Delta R.T. -0.005 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:252 Resp: 1284475

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.3	25.9
125	16.8	10.3	15.5#

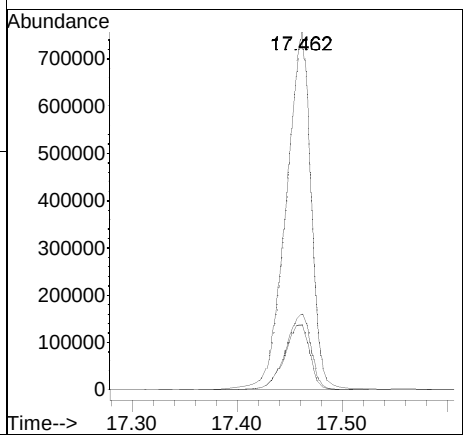


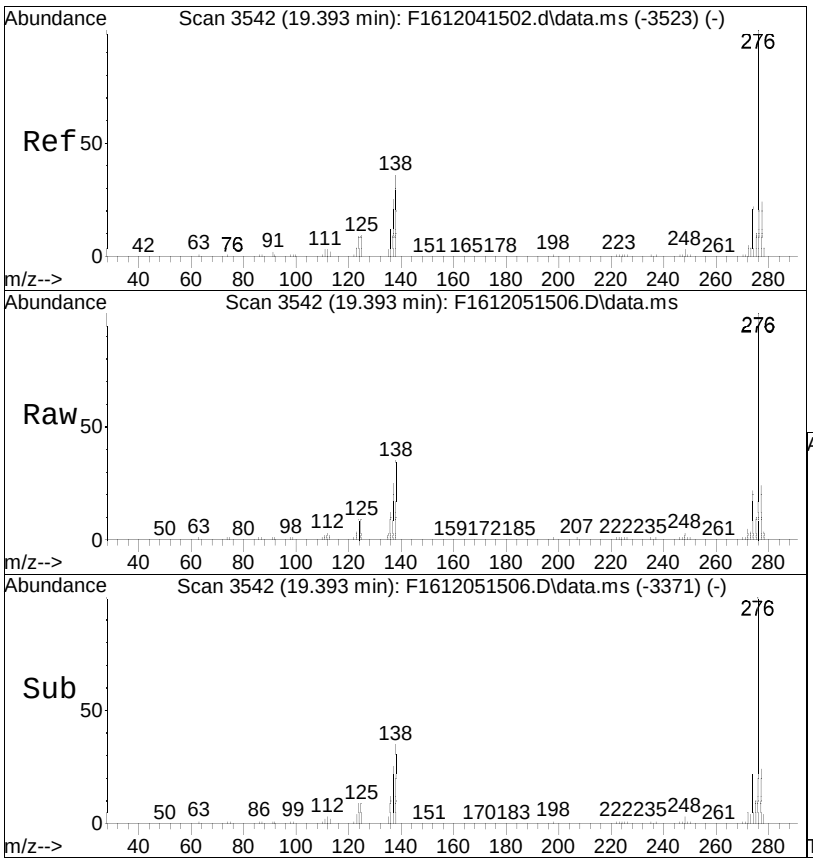


#89
Benzo[a]pyrene
Concen: 10.16 ug/mL
RT: 17.462 min Scan# 3141
Delta R.T. -0.005 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:252 Resp: 1244464

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	18.8	11.4	17.2#

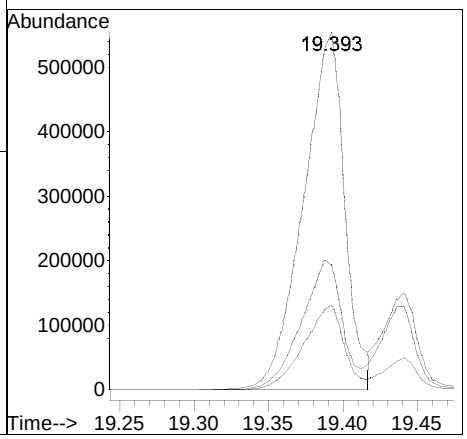


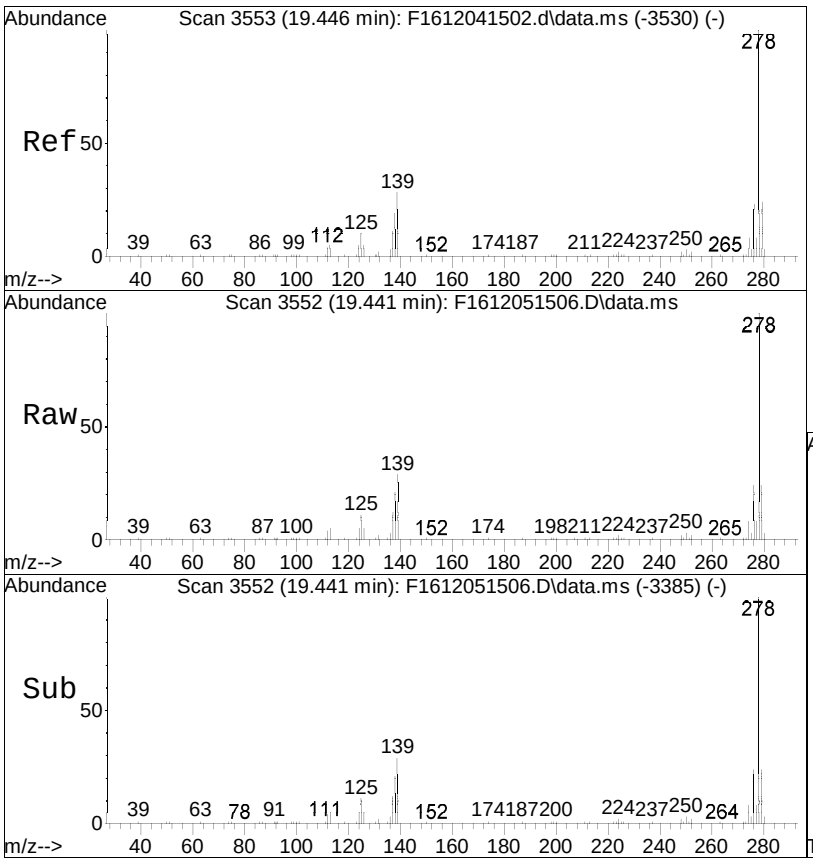


#90
Indeno[1,2,3-cd]pyrene
Concen: 10.10 ug/mL
RT: 19.393 min Scan# 3542
Delta R.T. -0.000 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:276 Resp: 1062101

Ion	Ratio	Lower	Upper
276	100		
138	36.2	23.4	35.0#
277	23.7	19.2	28.8

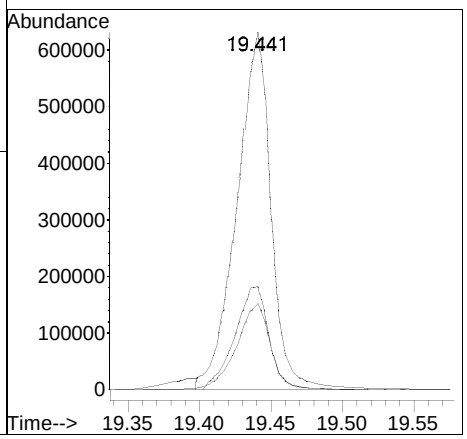


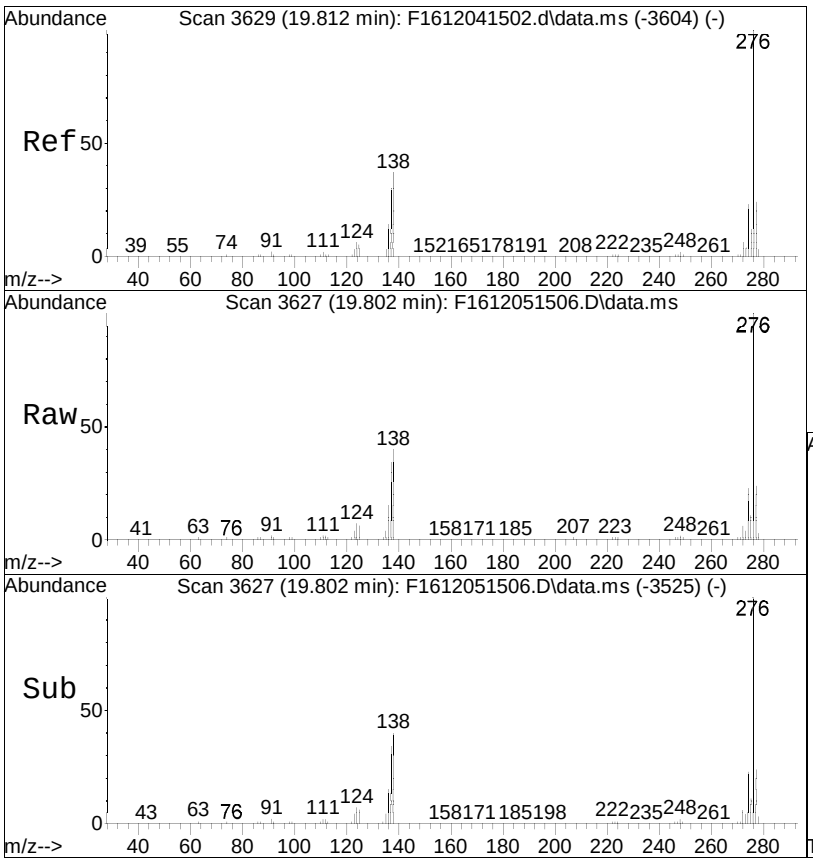


#91
Dibenz[a,h]anthracene
Concen: 10.07 ug/mL M4
RT: 19.441 min Scan# 3552
Delta R.T. -0.005 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:278 Resp: 1045095

Ion	Ratio	Lower	Upper
278	100		
139	29.2	18.5	27.7#
279	24.4	18.9	28.3

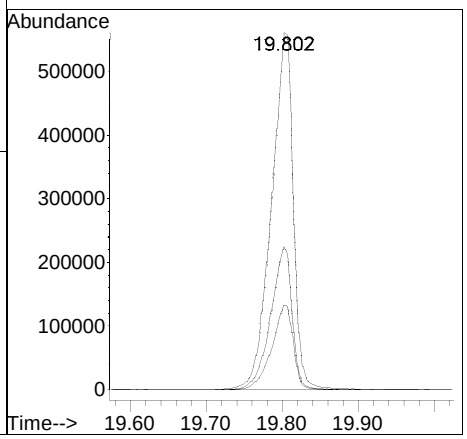




#92
Benzo[g,h,i]perylene
Concen: 10.18 ug/mL
RT: 19.802 min Scan# 3627
Delta R.T. -0.010 min
Lab File: F1612051506.D
Acq: 5 Dec 2015 11:48 am

Tgt Ion:276 Resp: 1107841

Ion	Ratio	Lower	Upper
276	100		
138	39.5	20.3	30.5#
277	23.7	19.0	28.4

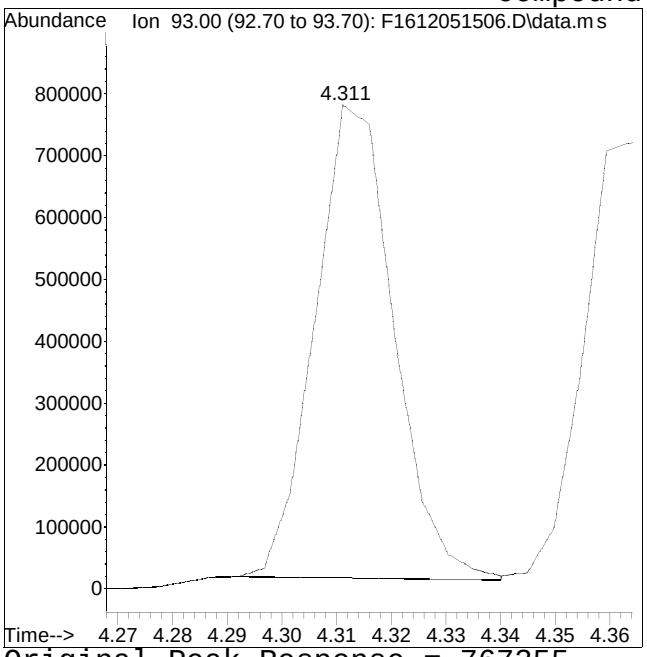


Manual Integration/Negative Proof Report

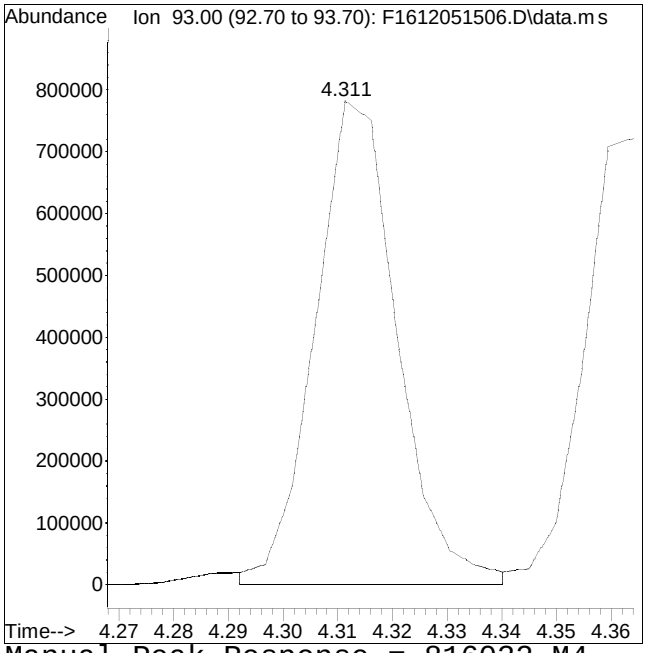
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051506.D
Date Inj'd : 12/5/2015 11:48 am
Sample : I1612051505

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:34 pm

Compound #6: Aniline



Original Peak Response = 767355



Manual Peak Response = 816032 M4

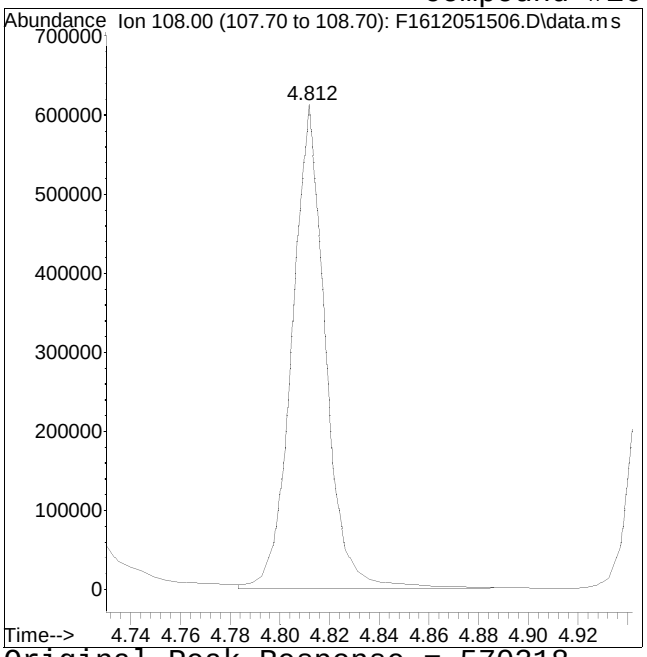
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

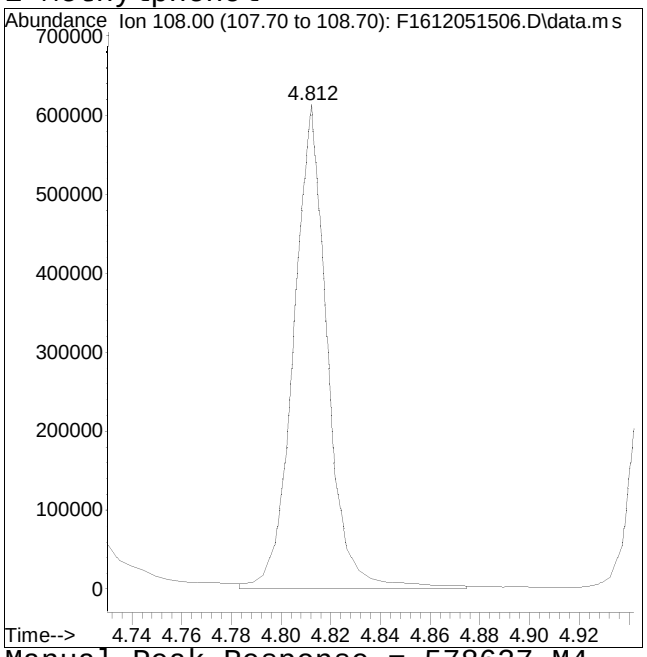
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051506.D
Date Inj'd : 12/5/2015 11:48 am
Sample : I1612051505

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:34 pm

Compound #16: 2-Methylphenol



Original Peak Response = 570318



Manual Peak Response = 578627 M4

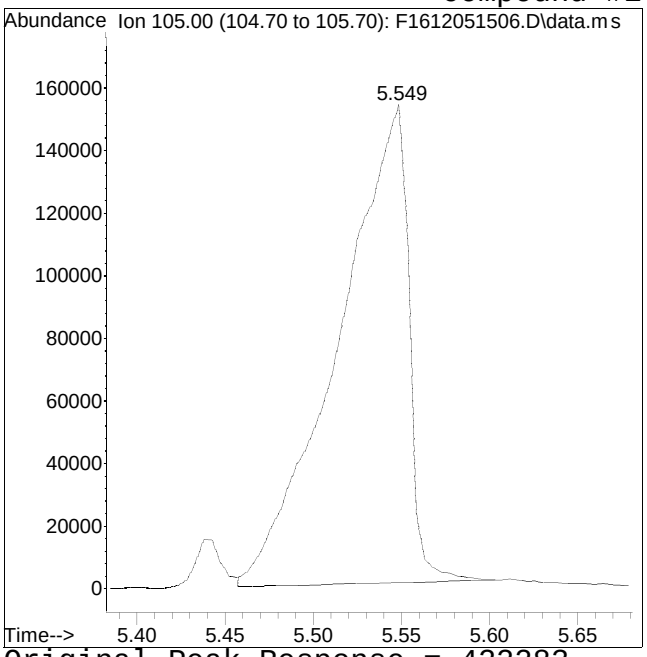
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

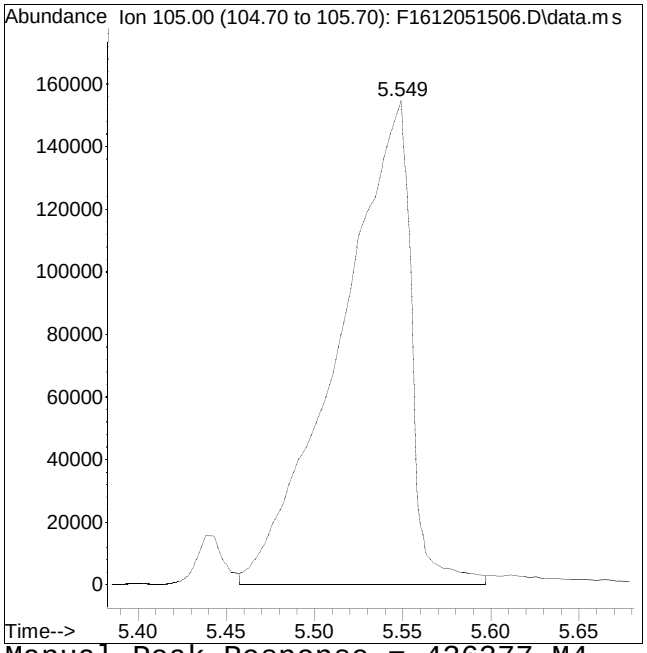
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051506.D
Date Inj'd : 12/5/2015 11:48 am
Sample : I1612051505

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:34 pm

Compound #27: Benzoic acid



Original Peak Response = 422283



Manual Peak Response = 436377 M4

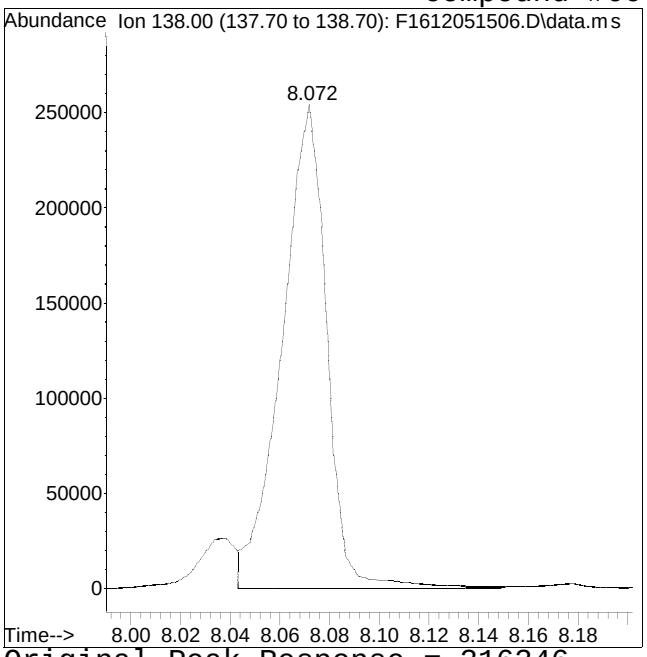
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

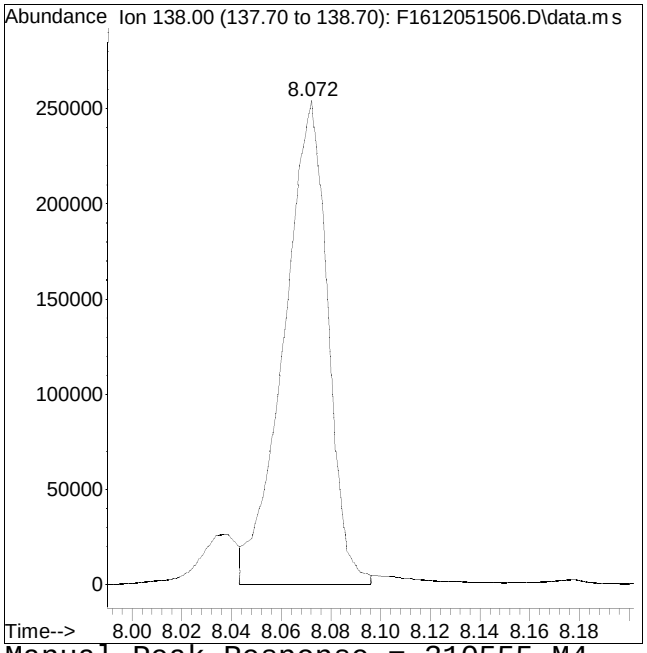
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051506.D
Date Inj'd : 12/5/2015 11:48 am
Sample : I1612051505

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:34 pm

Compound #60: 4-Nitroaniline



Original Peak Response = 316346



Manual Peak Response = 310555 M4

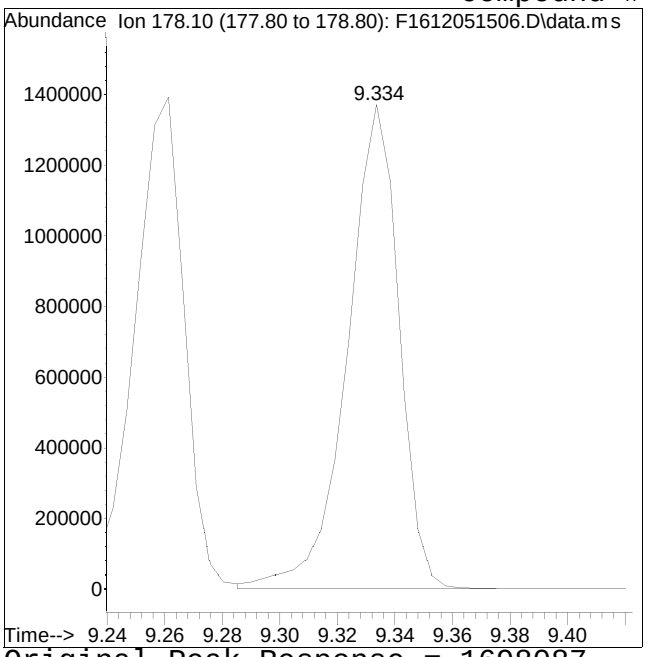
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

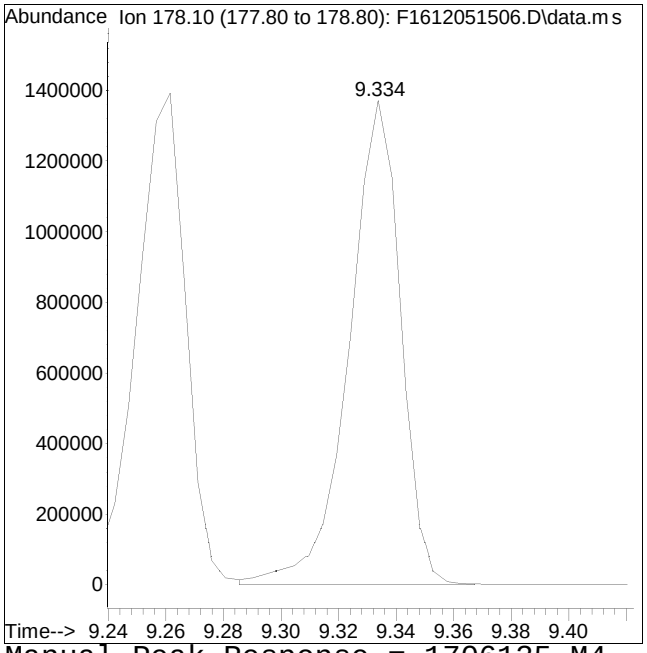
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051506.D
Date Inj'd : 12/5/2015 11:48 am
Sample : I1612051505

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:34 pm

Compound #72: Anthracene



Original Peak Response = 1698087



Manual Peak Response = 1706135 M4

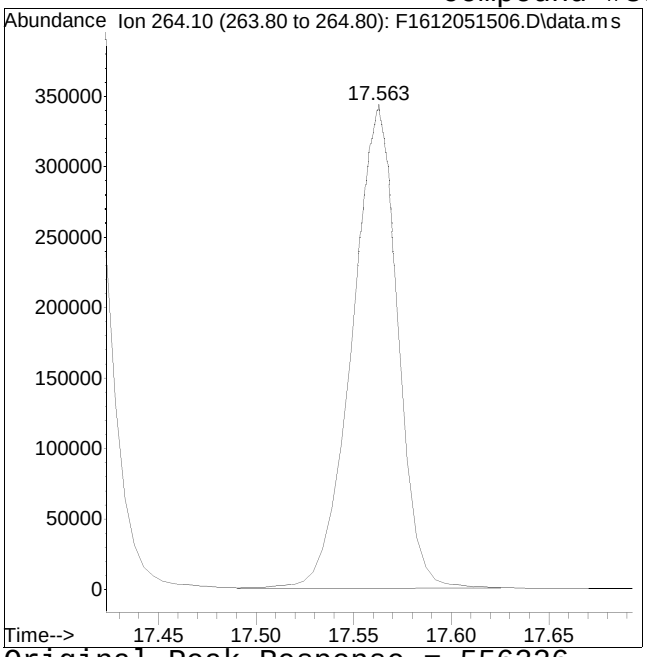
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

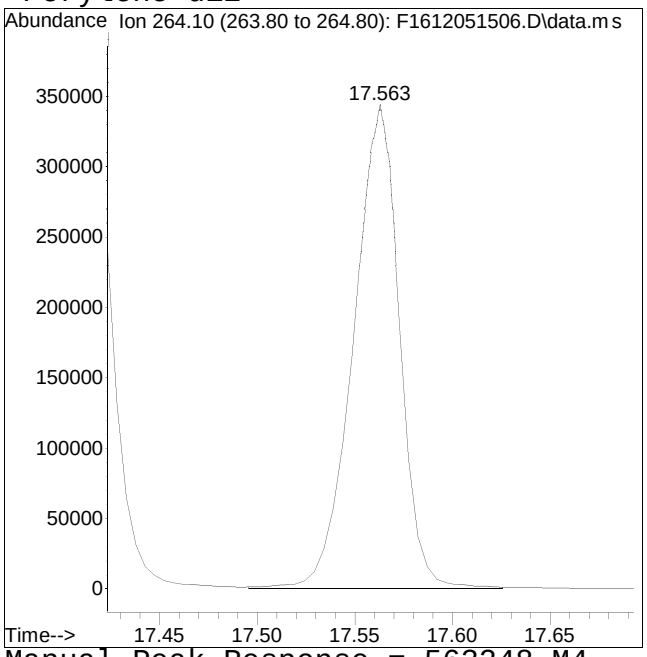
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051506.D
Date Inj'd : 12/5/2015 11:48 am
Sample : I1612051505

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:34 pm

Compound #85: Perylene-d12



Original Peak Response = 556326



Manual Peak Response = 563248 M4

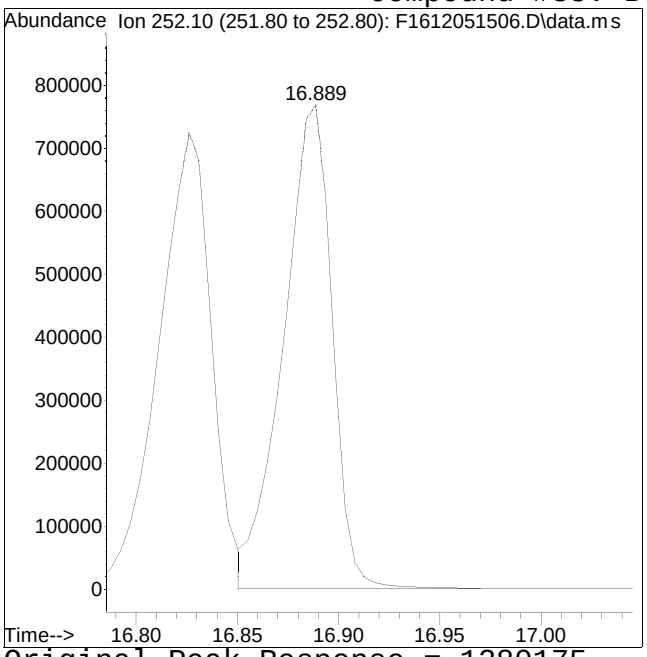
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

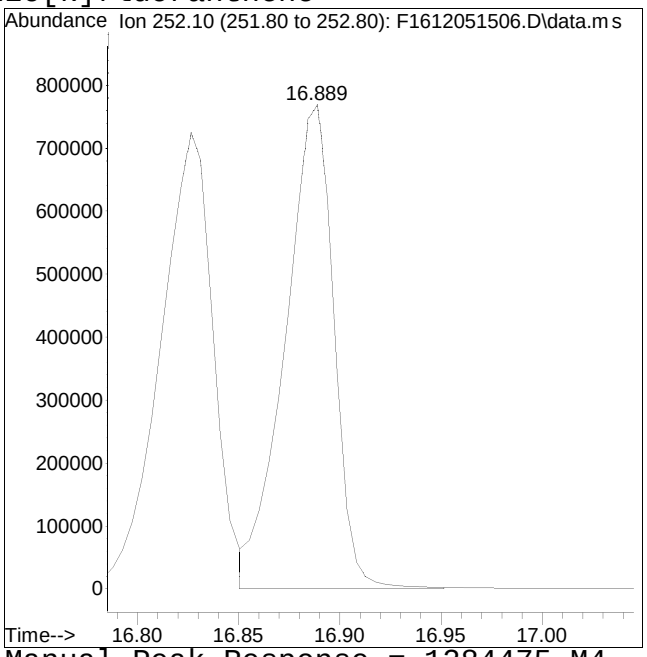
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051506.D
Date Inj'd : 12/5/2015 11:48 am
Sample : I1612051505

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:34 pm

Compound #88: Benzo[k]fluoranthene



Original Peak Response = 1280175



Manual Peak Response = 1284475 M4

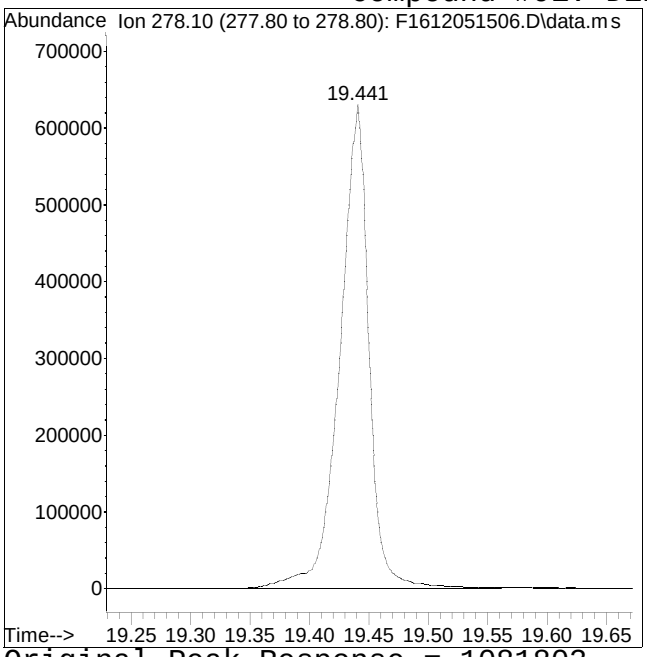
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

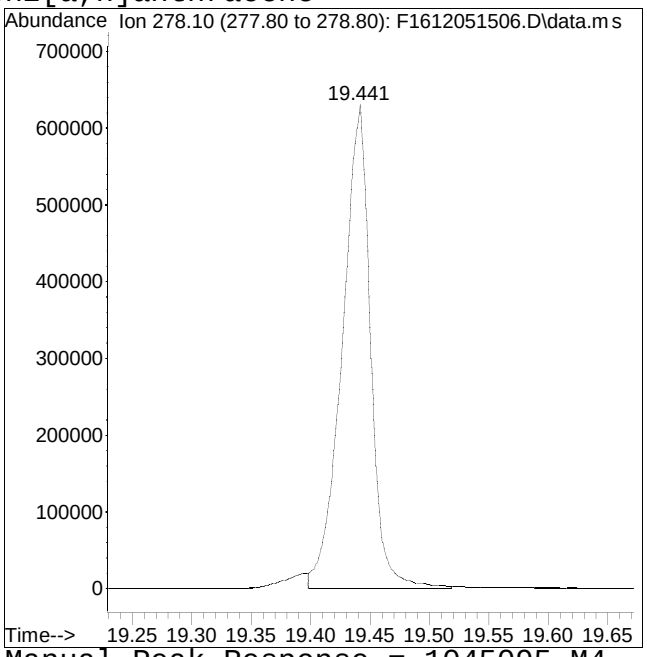
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051506.D
Date Inj'd : 12/5/2015 11:48 am
Sample : I1612051505

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:34 pm

Compound #91: Dibenz[a,h]anthracene



Original Peak Response = 1081803



Manual Peak Response = 1045095 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051507.D
Acq On : 5 Dec 2015 12:17 pm
Operator : PAH16:JT
Sample : I1612051506
Misc : WG851800,MSAG47
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 17 15:02:08 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.595	152	200585	5.000	ug/mL	0.00
21) Naphthalene-d8	5.761	136	787278	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.460	164	364937	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.223	188	702434	5.000	ug/mL	0.00
76) Chrysene-d12	14.447	240	623006	5.000	ug/mL	0.01
85) Perylene-d12	17.568	264	531879M4	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.546	112	817616	17.134	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 85.67%			
8) Phenol-d5	4.282	99	1243660	20.929	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 104.64%#			
22) Nitrobenzene-d5	5.096	82	1083607M4	22.201	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 111.01%			
43) 2-Fluorobiphenyl	6.801	172	1763001	17.886	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 89.43%			
65) 2,4,6-Tribromophenol	8.317	330	150952	16.794	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 83.97%			
79) Terphenyl-d14	12.136	244	1455860	14.946	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 74.73%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.640	74	494405	18.314	ug/mL#	89
3) Pyridine	2.640	79	911055	18.061	ug/mL	87
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.316	93	1398775	18.878	ug/ml#	1
7) bis(2-Chloroethyl)ether	4.364	63	773415	24.071	ug/mL	87
9) Phenol	4.292	94	1303133	21.881	ug/mL#	83
10) 2-Chlorophenol	4.417	128	996367	18.570	ug/mL#	91
11) 1,3-Dichlorobenzene	4.547	146	1082272	17.841	ug/mL	99
12) 1,4-Dichlorobenzene	4.610	146	1079124	17.850	ug/mL	98
13) 1,2-Dichlorobenzene	4.745	146	1020552	17.628	ug/mL	99
14) Benzyl alcohol	4.720	108	656408	19.361	ug/mL	94
15) bis(2-chloroisopropyl)eth	4.831	45	1477280	29.228	ug/mL#	43
16) 2-Methylphenol	4.817	108	876427	19.297	ug/mL	97
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	5.043	117	457240	19.288	ug/mL	84
19) N-Nitroso-di-n-propylamin	4.956	70	759412	22.928	ug/mL	91
20) 4-Methylphenol	4.956	108	950307	20.566	ug/mL	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051507.D
Acq On : 5 Dec 2015 12:17 pm
Operator : PAH16:JT
Sample : I1612051506
Misc : WG851800,MSAG47
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 17 15:02:08 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	5.115	77	1122836	22.096	ug/mL	96
24) Isophorone	5.332	82	1667282	21.054	ug/mL	97
25) 2-Nitrophenol	5.404	139	527211	17.298	ug/mL	90
26) 2,4-Dimethylphenol	5.443	107	773865M4	17.534	ug/mL	
27) Benzoic acid	5.568	105	670250M4	17.607	ug/mL	
28) bis(2-Chloroethoxy)methan	5.529	93	1110850	18.924	ug/mL	100
29) 2,4-Dichlorophenol	5.631	162	730038	18.065	ug/mL	96
30) 1,2,4-Trichlorobenzene	5.703	180	769116	16.653	ug/mL	99
31) Naphthalene	5.780	128	2842087	17.530	ug/mL	100
32) 2-Chloroaniline	5.370	127	1476818	17.788	ug/ml	100
33) 4-Chloroaniline	5.833	127	1135781	17.145	ug/mL#	1
34) Hexachlorobutadiene	5.886	225	381345	17.117	ug/mL	99
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	6.305	107	860210	21.768	ug/mL	98
37) 2-Methylnaphthalene	6.444	142	1852361	17.328	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.603	216	674568	17.252	ug/mL	100
40) Hexachlorocyclopentadiene	6.589	237	336908	15.878	ug/mL	99
41) 2,4,6-Trichlorophenol	6.719	196	490223	18.972	ug/mL	100
42) 2,4,5-Trichlorophenol	6.757	196	495829M4	19.112	ug/mL	
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	6.916	162	1592578	17.589	ug/mL	95
46) 2-Nitroaniline	7.027	65	635391	27.516	ug/mL	83
47) Acenaphthylene	7.321	152	2562346	16.479	ug/mL	100
48) Dimethylphthalate	7.200	163	1617405	16.707	ug/mL	99
49) 2,6-Dinitrotoluene	7.268	165	385610M4	17.729	ug/mL	
50) Acenaphthene	7.494	153	1591552	16.060	ug/mL	99
51) 3-Nitroaniline	7.431	138	443448	17.766	ug/mL	87
52) 2,4-Dinitrophenol	7.537	184	273178	14.327	ug/mL#	80
53) Dibenzofuran	7.667	168	2025354	16.014	ug/mL	91
54) 2,3,4,6-Tetrachlorophenol	7.802	232	324088	15.585		96
55) 2,4-Dinitrotoluene	7.667	165	541493	18.722	ug/mL#	49
56) 4-Nitrophenol	7.614	109	292989	21.799	ug/mL	87
57) Fluorene	8.038	166	1727833	16.878	ug/mL	98
58) 4-Chlorophenyl-phenylethe	8.038	204	751376	16.716	ug/mL	93
59) Diethylphthalate	7.923	149	1759741	17.718	ug/mL	97
60) 4-Nitroaniline	8.082	138	410476M4	15.283	ug/mL	
62) 4,6-Dinitro-2-methylpheno	8.115	198	317466	14.425	ug/mL#	100
63) Azobenzene	8.221	182	474033	15.179	ug/mL	70
64) n-Nitrosodiphenylamine	8.178	169	1196744M4	15.729	ug/mL	
66) 4-Bromophenyl-phenylether	8.621	248	375442	16.289	ug/mL	89
67) Hexachlorobenzene	8.693	284	369472	15.921	ug/mL#	87

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051507.D
Acq On : 5 Dec 2015 12:17 pm
Operator : PAH16:JT
Sample : I1612051506
Misc : WG851800,MSAG47
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 17 15:02:08 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Atrazine	0.000		0	N.D. d		
69) Pentachlorophenol	8.968	266	278842	14.357	ug/mL	98
70) Pentachloronitrobenzene	8.977	237	207521	20.414	ug/ml	97
71) Phenanthrene	9.261	178	2420244	15.573	ug/mL	100
72) Anthracene	9.338	178	2361596M4	15.558	ug/mL	
73) Carbazole	9.594	167	2332258	16.153	ug/mL	98
74) Di-n-butylphthalate	10.205	149	2837983	16.960	ug/mL#	98
75) Fluoranthene	11.293	202	2384786	15.587	ug/mL	96
77) Benzidine	0.000		0	N.D.		
78) Pyrene	11.732	202	2456480	14.254	ug/mL	94
80) Butylbenzylphthalate	13.316	149	1345365	15.195	ug/mL	90
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	14.428	228	2178794	16.175	ug/mL	99
83) Chrysene	14.515	228	2089637M4	15.108	ug/mL	
84) bis(2-Ethylhexyl)phthalat	14.784	149	1735540	15.143	ug/mL	92
86) Di-n-octylphthalate	16.316	149	3135513	15.704	ug/mL	100
87) Benzo[b]fluoranthene	16.836	252	1953138	17.433	ug/mL	97
88) Benzo[k]fluoranthene	16.898	252	1862963	15.030	ug/mL	97
89) Benzo[a]pyrene	17.471	252	1834402	16.023	ug/mL#	97
90) Indeno[1,2,3-cd]pyrene	19.402	276	1650885	15.897	ug/mL	96
91) Dibenz[a,h]anthracene	19.450	278	1614470M4	14.783	ug/mL	
92) Benzo[g,h,i]perylene	19.816	276	1659797	16.153	ug/mL#	89

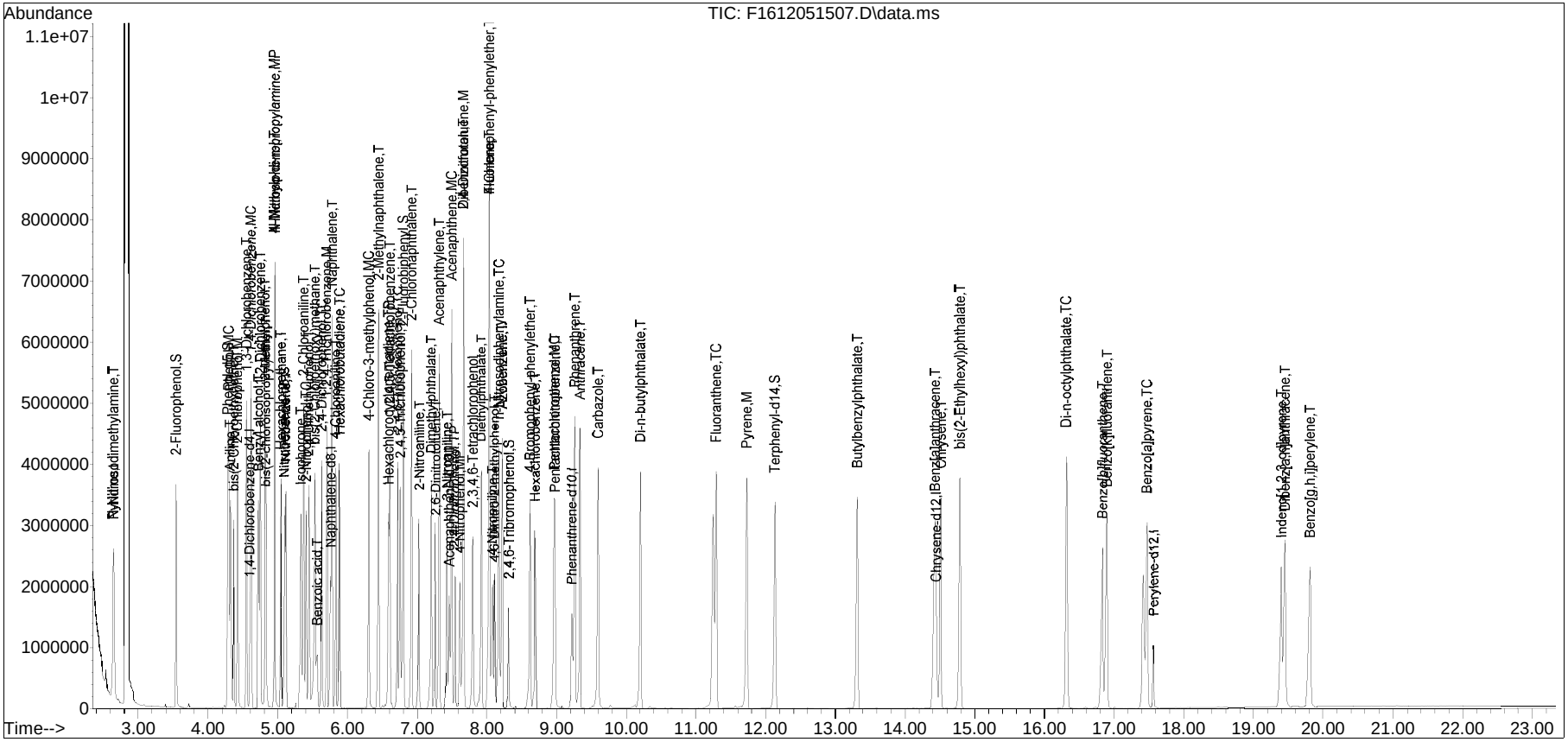
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051507.D
Acq On : 5 Dec 2015 12:17 pm
Operator : PAH16:JT
Sample : I1612051506
Misc : WG851800,MSAG47
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 17 15:02:08 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

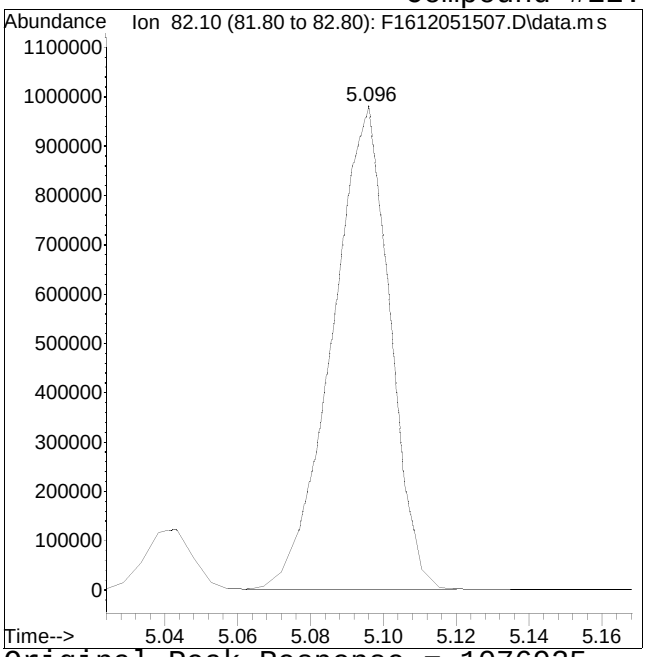


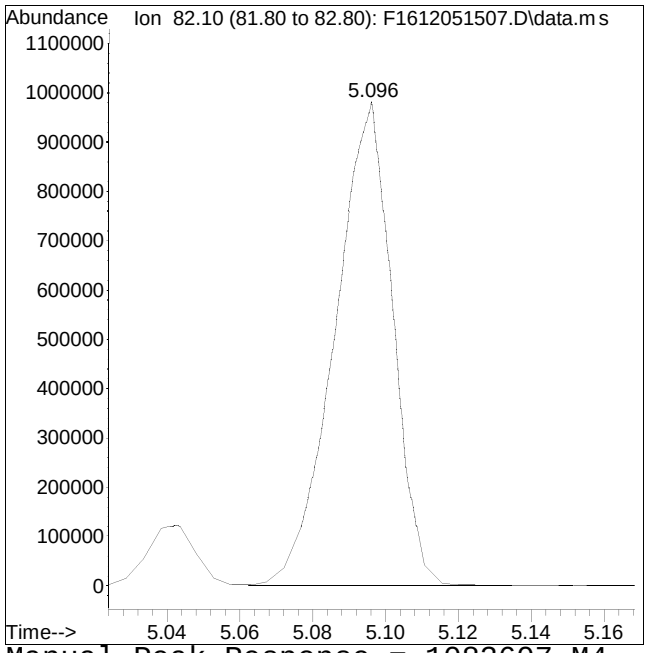
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051507.D
Date Inj'd : 12/5/2015 12:17 pm
Sample : I1612051506

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:42 pm

Compound #22: Nitrobenzene-d5





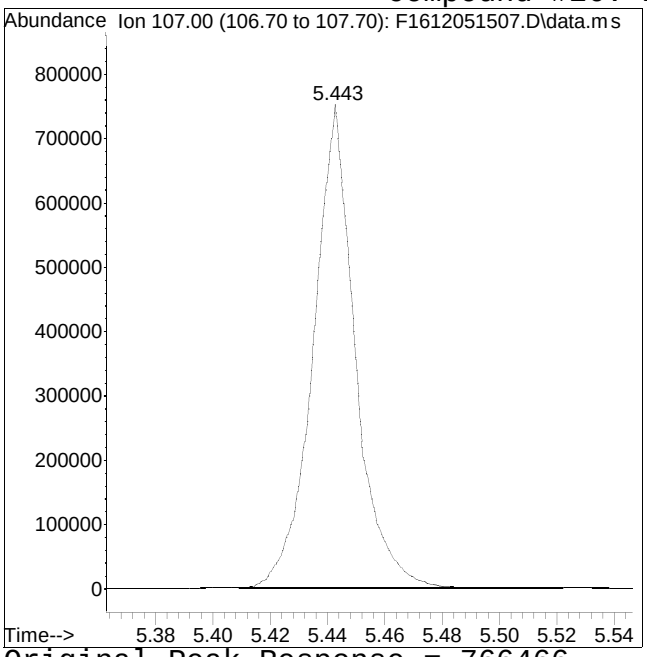
Original Peak Response = 1076925 Manual Peak Response = 1083607 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

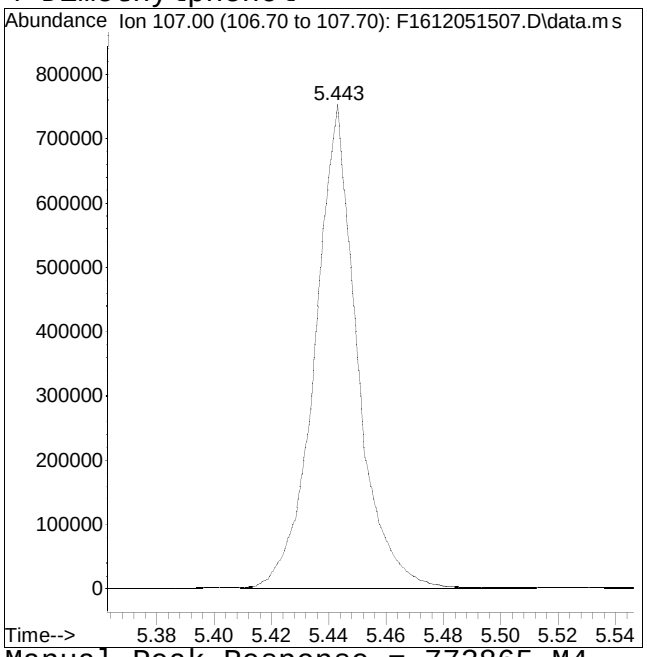
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051507.D
Date Inj'd : 12/5/2015 12:17 pm
Sample : I1612051506

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:42 pm

Compound #26: 2,4-Dimethylphenol



Original Peak Response = 766466



Manual Peak Response = 773865 M4

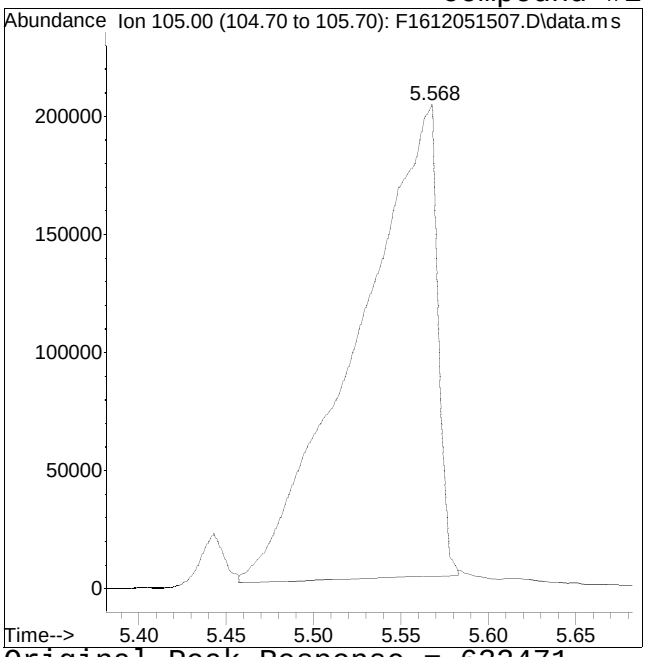
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

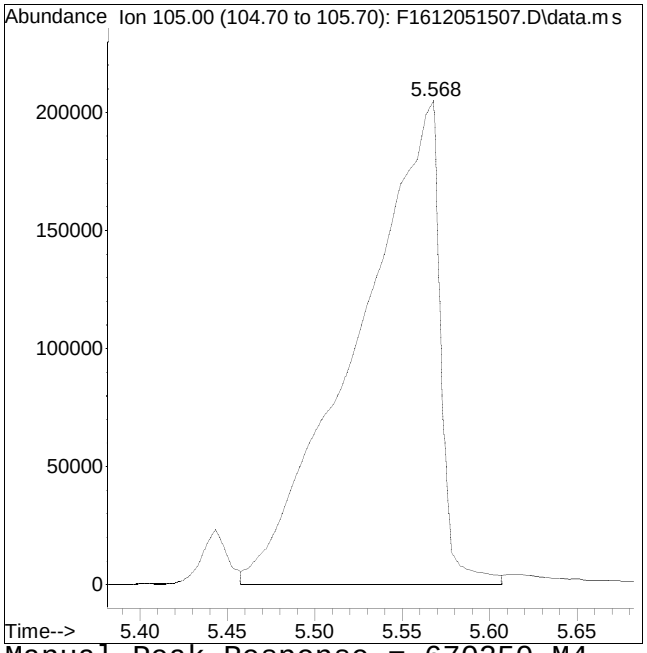
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051507.D
Date Inj'd : 12/5/2015 12:17 pm
Sample : I1612051506

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:42 pm

Compound #27: Benzoic acid



Original Peak Response = 632471



Manual Peak Response = 670250 M4

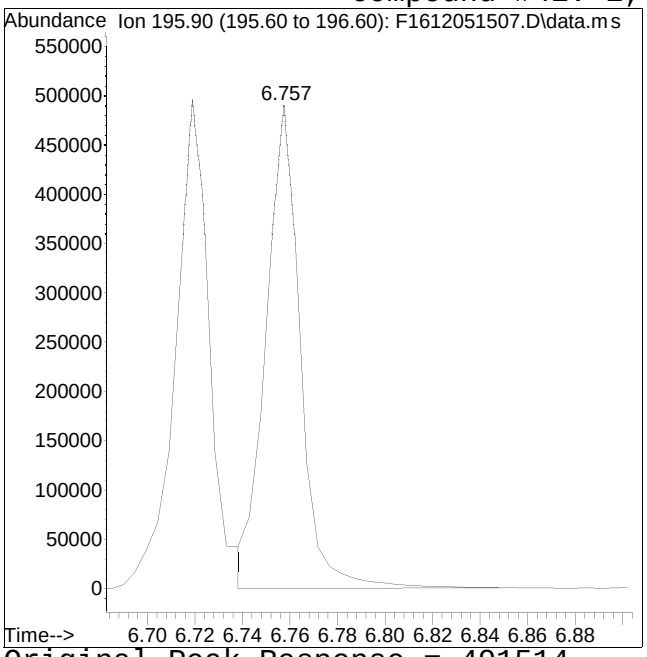
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

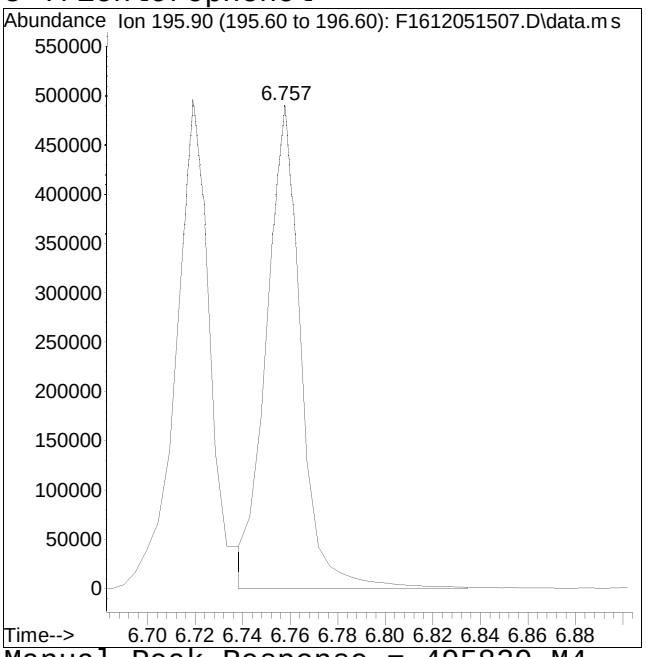
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051507.D
Date Inj'd : 12/5/2015 12:17 pm
Sample : I1612051506

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:42 pm

Compound #42: 2,4,5-Trichlorophenol



Original Peak Response = 491514



Manual Peak Response = 495829 M4

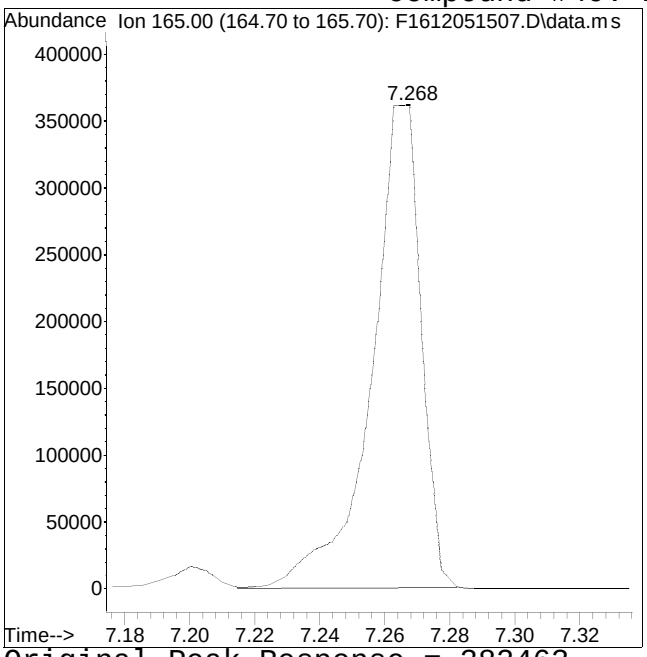
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

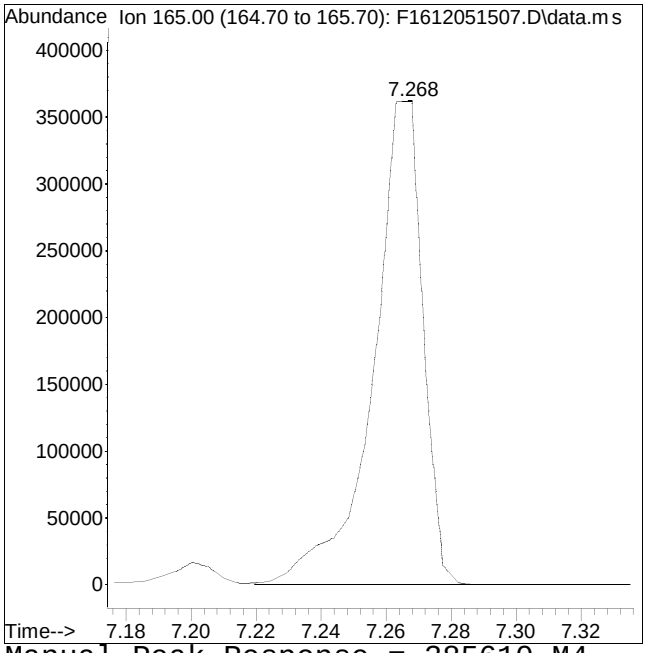
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051507.D
Date Inj'd : 12/5/2015 12:17 pm
Sample : I1612051506

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:42 pm

Compound #49: 2,6-Dinitrotoluene



Original Peak Response = 382463



Manual Peak Response = 385610 M4

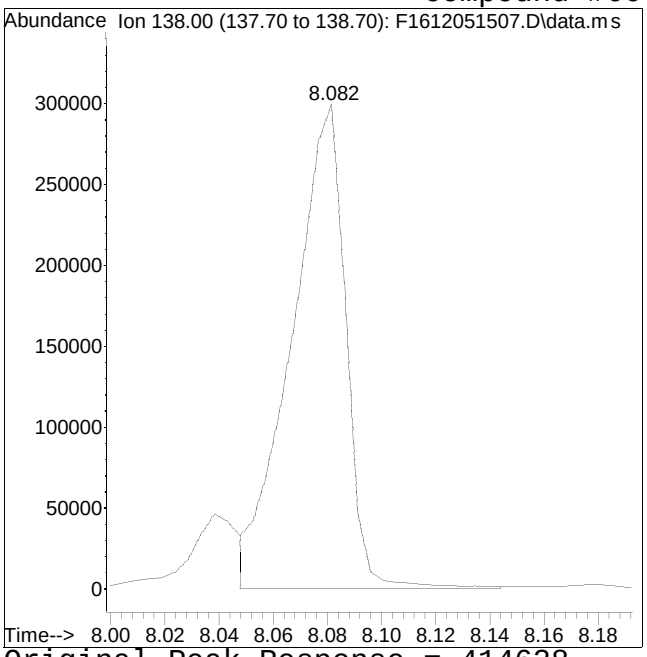
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

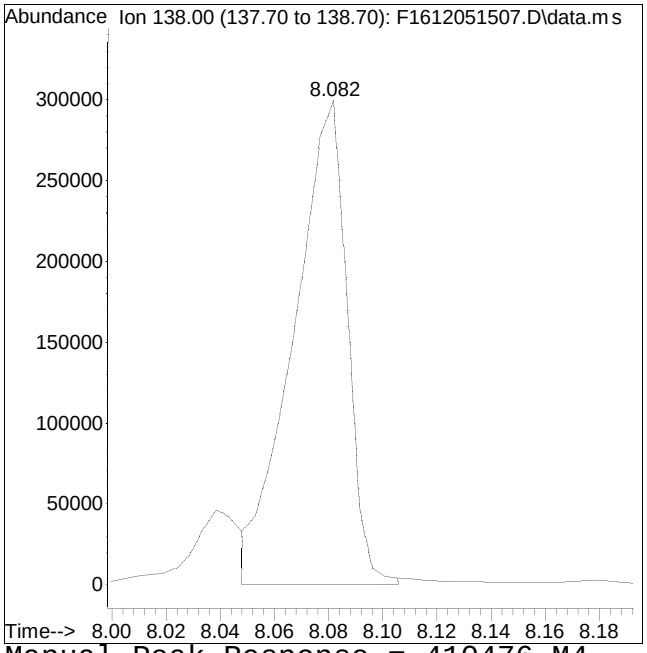
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051507.D
Date Inj'd : 12/5/2015 12:17 pm
Sample : I1612051506

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:42 pm

Compound #60: 4-Nitroaniline



Original Peak Response = 414628



Manual Peak Response = 410476 M4

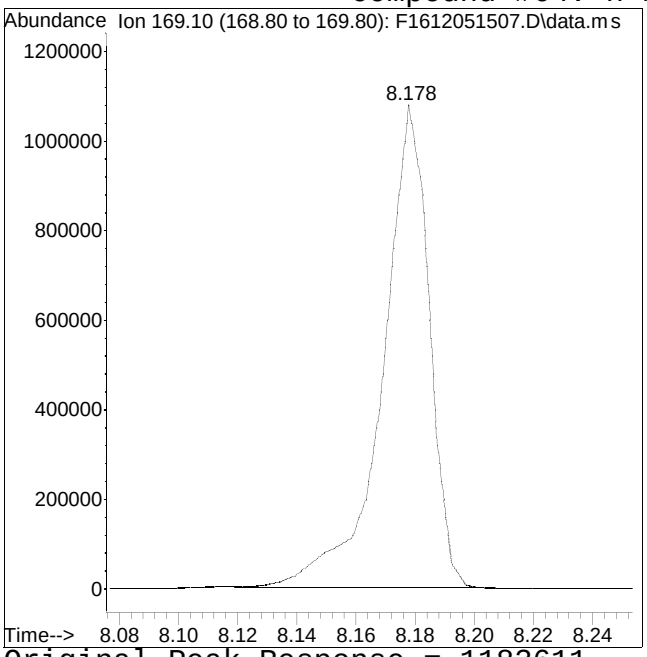
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

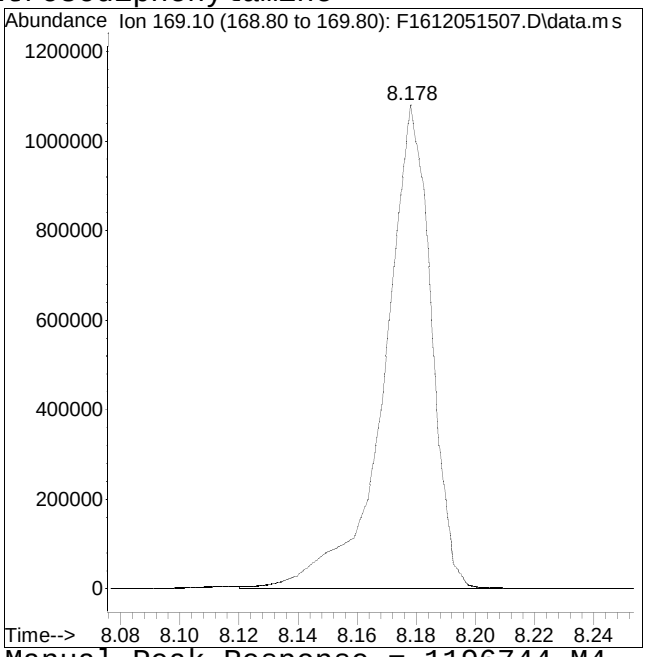
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051507.D
Date Inj'd : 12/5/2015 12:17 pm
Sample : I1612051506

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:42 pm

Compound #64: n-Nitrosodiphenylamine



Original Peak Response = 1183611



Manual Peak Response = 1196744 M4

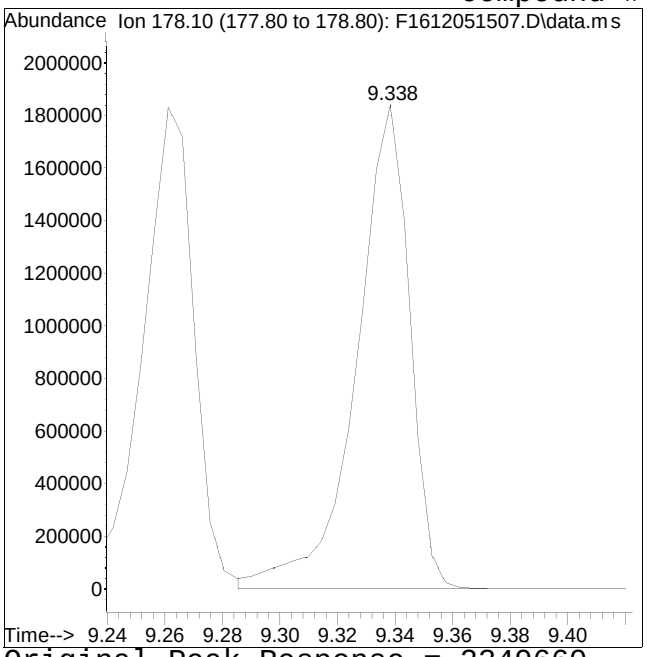
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

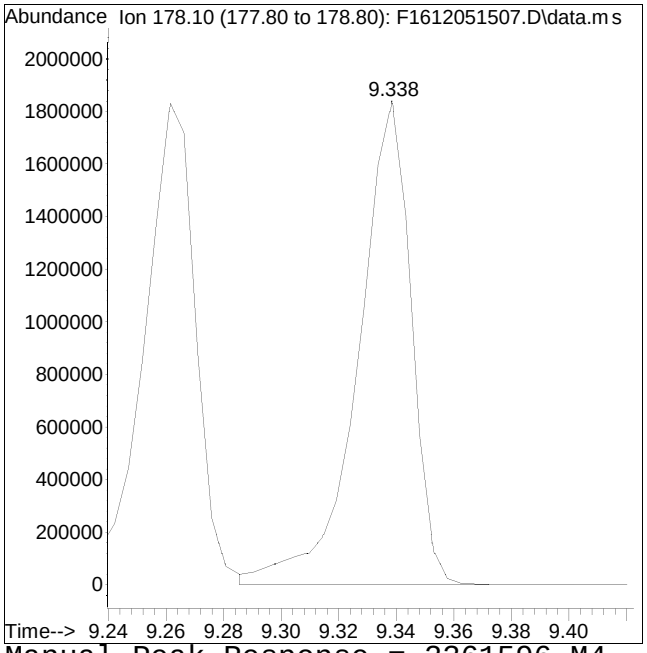
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051507.D
Date Inj'd : 12/5/2015 12:17 pm
Sample : I1612051506

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:42 pm

Compound #72: Anthracene



Original Peak Response = 2349660



Manual Peak Response = 2361596 M4

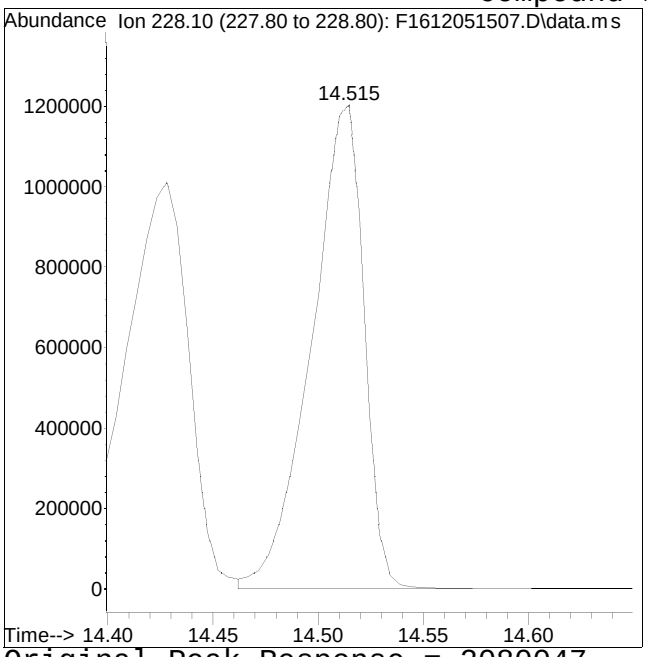
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

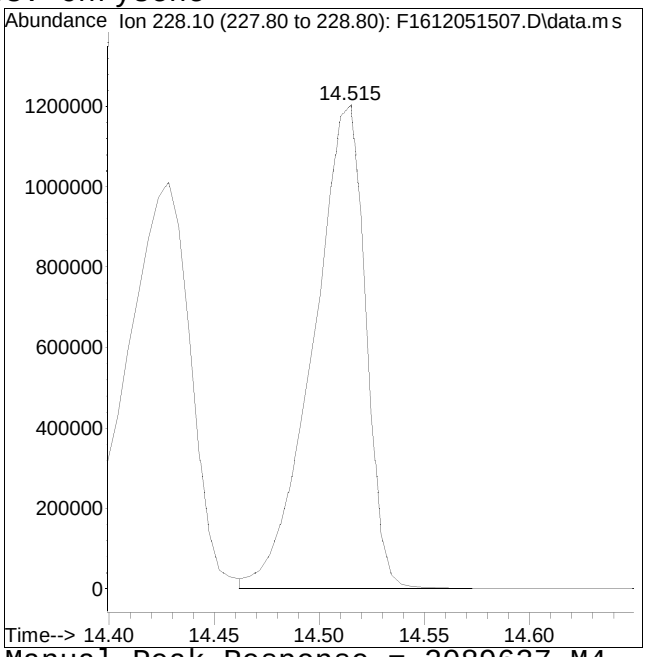
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051507.D
Date Inj'd : 12/5/2015 12:17 pm
Sample : I1612051506

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:42 pm

Compound #83: Chrysene



Original Peak Response = 2080047



Manual Peak Response = 2089637 M4

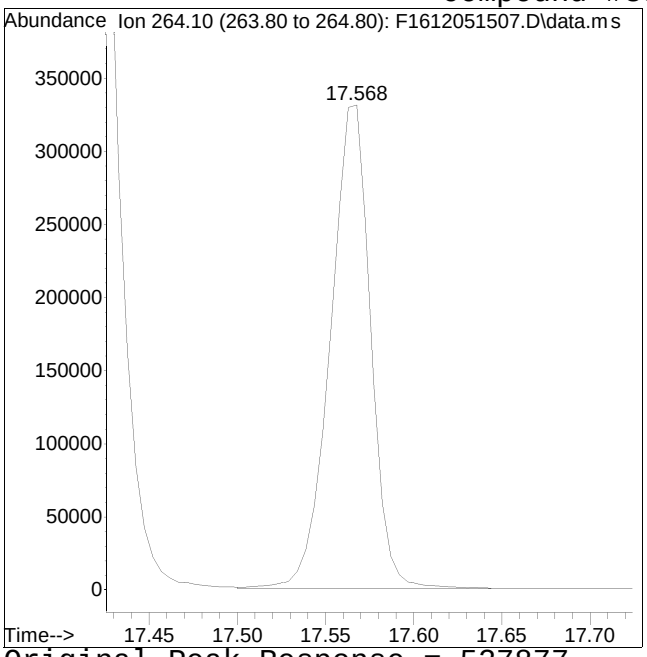
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

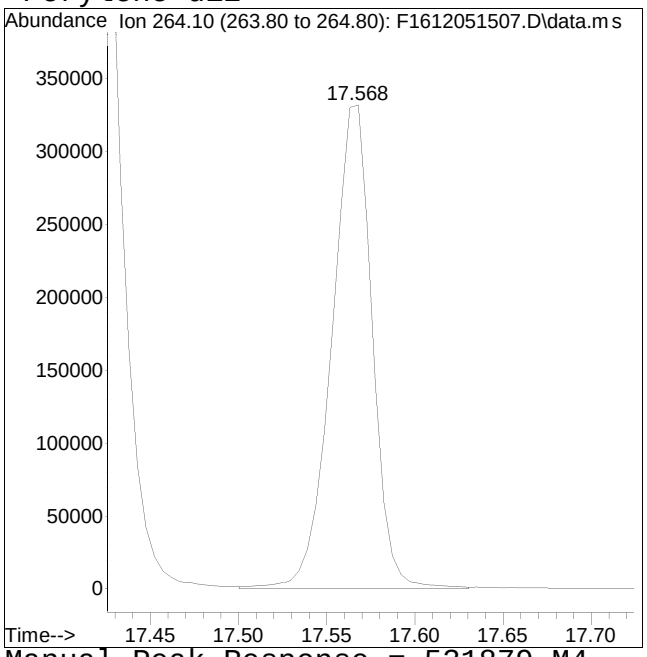
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051507.D
Date Inj'd : 12/5/2015 12:17 pm
Sample : I1612051506

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:42 pm

Compound #85: Perylene-d12



Original Peak Response = 527877



Manual Peak Response = 531879 M4

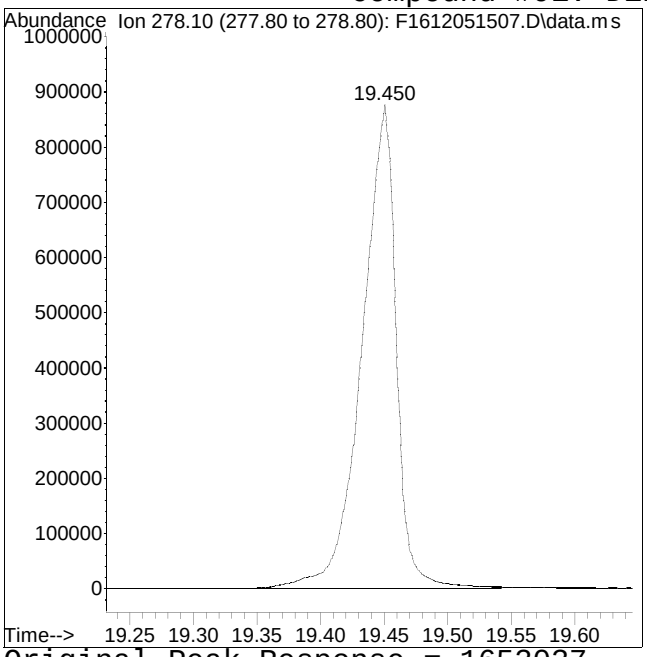
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

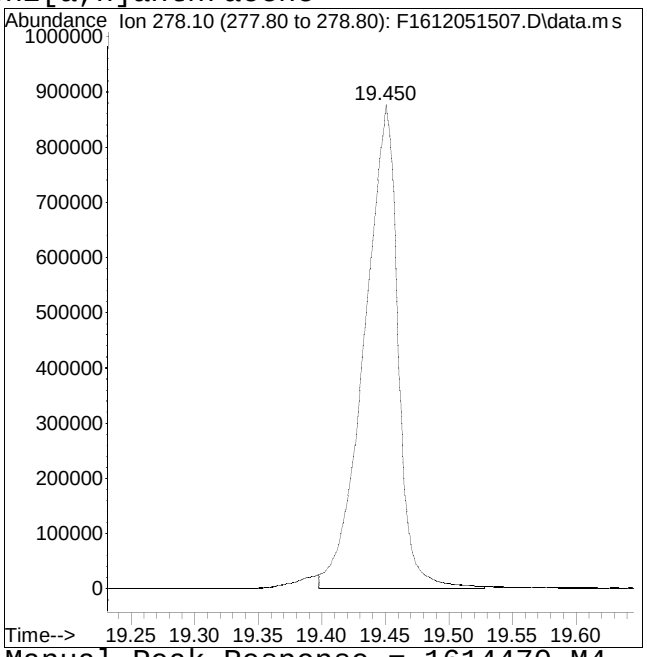
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051507.D
Date Inj'd : 12/5/2015 12:17 pm
Sample : I1612051506

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:42 pm

Compound #91: Dibenz[a,h]anthracene



Original Peak Response = 1653037



Manual Peak Response = 1614470 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051508.D
Acq On : 5 Dec 2015 12:47 pm
Operator : PAH16:JT
Sample : I1612051507
Misc : WG851800,MSAG46
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 17 15:03:04 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.595	152	212616	5.000	ug/mL	0.00
21) Naphthalene-d8	5.761	136	818791	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.460	164	408735	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.228	188	750730	5.000	ug/mL	0.00
76) Chrysene-d12	14.457	240	744068	5.000	ug/mL	0.02
85) Perylene-d12	17.573	264	634927M4	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.546	112	1536720	30.380	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 151.90%#			
8) Phenol-d5	4.287	99	2057807	32.670	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 163.35%#			
22) Nitrobenzene-d5	5.101	82	1762144M4	34.713	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 173.57%#			
43) 2-Fluorobiphenyl	6.801	172	2871359	26.009	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 130.05%#			
65) 2,4,6-Tribromophenol	8.322	330	256807	26.733	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 133.67%#			
79) Terphenyl-d14	12.141	244	2652714	22.802	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 114.01%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.669	74	890754	31.129	ug/mL#	87
3) Pyridine	2.655	79	1609052M4	30.094	ug/mL	
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.321	93	2176985	27.718	ug/ml#	1
7) bis(2-Chloroethyl)ether	4.369	63	1223930	35.937	ug/mL	89
9) Phenol	4.302	94	2164129M4	34.281	ug/mL	
10) 2-Chlorophenol	4.422	128	1644377	28.913	ug/mL	92
11) 1,3-Dichlorobenzene	4.547	146	1780927	27.696	ug/mL	100
12) 1,4-Dichlorobenzene	4.615	146	1784143	27.841	ug/mL	99
13) 1,2-Dichlorobenzene	4.745	146	1665624	27.143	ug/mL	100
14) Benzyl alcohol	4.725	108	1083599	30.031	ug/mL	95
15) bis(2-chloroisopropyl)eth	4.836	45	2232942	41.678	ug/mL#	37
16) 2-Methylphenol	4.817	108	1440240	29.916	ug/mL	99
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	5.043	117	750919	29.883	ug/mL	85
19) N-Nitroso-di-n-propylamin	4.966	70	1211883	34.519	ug/mL	93
20) 4-Methylphenol	4.961	108	1559067	31.832	ug/mL	100

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051508.D
Acq On : 5 Dec 2015 12:47 pm
Operator : PAH16:JT
Sample : I1612051507
Misc : WG851800,MSAG46
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 17 15:03:04 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	5.120	77	1814293	34.329	ug/mL	97
24) Isophorone	5.342	82	2769304	33.624	ug/mL	98
25) 2-Nitrophenol	5.409	139	867285M4	27.187	ug/mL	
26) 2,4-Dimethylphenol	5.448	107	1238944	26.991	ug/mL	99
27) Benzoic acid	5.597	105	1167276M4	27.864	ug/mL	
28) bis(2-Chloroethoxy)methan	5.534	93	1800229	29.487	ug/mL	99
29) 2,4-Dichlorophenol	5.635	162	1211435	28.824	ug/mL	96
30) 1,2,4-Trichlorobenzene	5.708	180	1259847	26.229	ug/mL	98
31) Naphthalene	5.785	128	4595122	27.252	ug/mL	99
32) 2-Chloroaniline	5.375	127	2405712	27.861	ug/ml	99
33) 4-Chloroaniline	5.838	127	1847946	26.822	ug/mL#	1
34) Hexachlorobutadiene	5.891	225	628948	27.144	ug/mL	99
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	6.305	107	1435689	34.932	ug/mL	98
37) 2-Methylnaphthalene	6.444	142	3017364	27.140	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.608	216	1122295	25.627	ug/mL	100
40) Hexachlorocyclopentadiene	6.589	237	596436	25.097	ug/mL	100
41) 2,4,6-Trichlorophenol	6.724	196	808175	27.926	ug/mL	100
42) 2,4,5-Trichlorophenol	6.762	196	833942M4	28.700	ug/mL	
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	6.921	162	2603043	25.668	ug/mL	95
46) 2-Nitroaniline	7.032	65	1029508	39.806	ug/mL	85
47) Acenaphthylene	7.326	152	4514096	25.921	ug/mL	99
48) Dimethylphthalate	7.210	163	2906374	26.804	ug/mL	99
49) 2,6-Dinitrotoluene	7.273	165	698965	28.693	ug/mL	92
50) Acenaphthene	7.499	153	2837172	25.562	ug/mL	99
51) 3-Nitroaniline	7.441	138	820682	29.356	ug/mL	89
52) 2,4-Dinitrophenol	7.547	184	541107	24.054	ug/mL#	85
53) Dibenzofuran	7.672	168	3576138	25.245	ug/mL	94
54) 2,3,4,6-Tetrachlorophenol	7.807	232	586943	23.578		96
55) 2,4-Dinitrotoluene	7.677	165	969876	29.941	ug/mL#	58
56) 4-Nitrophenol	7.624	109	490839	32.405	ug/mL	88
57) Fluorene	8.043	166	2970204	25.904	ug/mL	98
58) 4-Chlorophenyl-phenylethe	8.043	204	1294315	25.709	ug/mL	97
59) Diethylphthalate	7.927	149	3155557	28.368	ug/mL	97
60) 4-Nitroaniline	8.096	138	763914M4	25.395	ug/mL	
62) 4,6-Dinitro-2-methylpheno	8.125	198	570403	23.830	ug/mL#	100
63) Azobenzene	8.226	182	862277	25.835	ug/mL	80
64) n-Nitrosodiphenylamine	8.187	169	2128754	26.179	ug/mL	99
66) 4-Bromophenyl-phenylether	8.626	248	635329	25.792	ug/mL	90
67) Hexachlorobenzene	8.698	284	627769	25.312	ug/mL#	89

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051508.D
Acq On : 5 Dec 2015 12:47 pm
Operator : PAH16:JT
Sample : I1612051507
Misc : WG851800,MSAG46
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 17 15:03:04 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Atrazine	0.000		0	N.D. d		
69) Pentachlorophenol	8.972	266	497395	22.868	ug/mL	99
70) Pentachloronitrobenzene	8.987	237	347230	31.960	ug/ml	97
71) Phenanthrene	9.271	178	4089784	24.623	ug/mL	99
72) Anthracene	9.348	178	3976708M4	24.513	ug/mL	
73) Carbazole	9.603	167	3807349M4	24.673	ug/mL	
74) Di-n-butylphthalate	10.215	149	4927040M4	27.550	ug/mL	
75) Fluoranthene	11.308	202	4259954	26.052	ug/mL	95
77) Benzidine	0.000		0	N.D.		
78) Pyrene	11.746	202	4391792	21.338	ug/mL	94
80) Butylbenzylphthalate	13.325	149	2334943	21.895	ug/mL	93
81) 3,3'-Dichlorobenzidine	0.000		0	N.D. d		
82) Benz[a]anthracene	14.438	228	4090840	25.428	ug/mL	99
83) Chrysene	14.529	228	3801026M4	23.011	ug/mL	
84) bis(2-Ethylhexyl)phthalat	14.789	149	3084363	22.009	ug/mL	97
86) Di-n-octylphthalate	16.330	149	5529701	22.811	ug/mL	100
87) Benzo[b]fluoranthene	16.850	252	3728339	27.877	ug/mL	98
88) Benzo[k]fluoranthene	16.918	252	3398711	22.970	ug/mL	97
89) Benzo[a]pyrene	17.491	252	3349684	24.509	ug/mL	97
90) Indeno[1,2,3-cd]pyrene	19.417	276	3100650	22.983	ug/mL	95
91) Dibenz[a,h]anthracene	19.465	278	3077958M4	22.288	ug/mL	
92) Benzo[g,h,i]perylene	19.836	276	3241888	26.430	ug/mL#	90

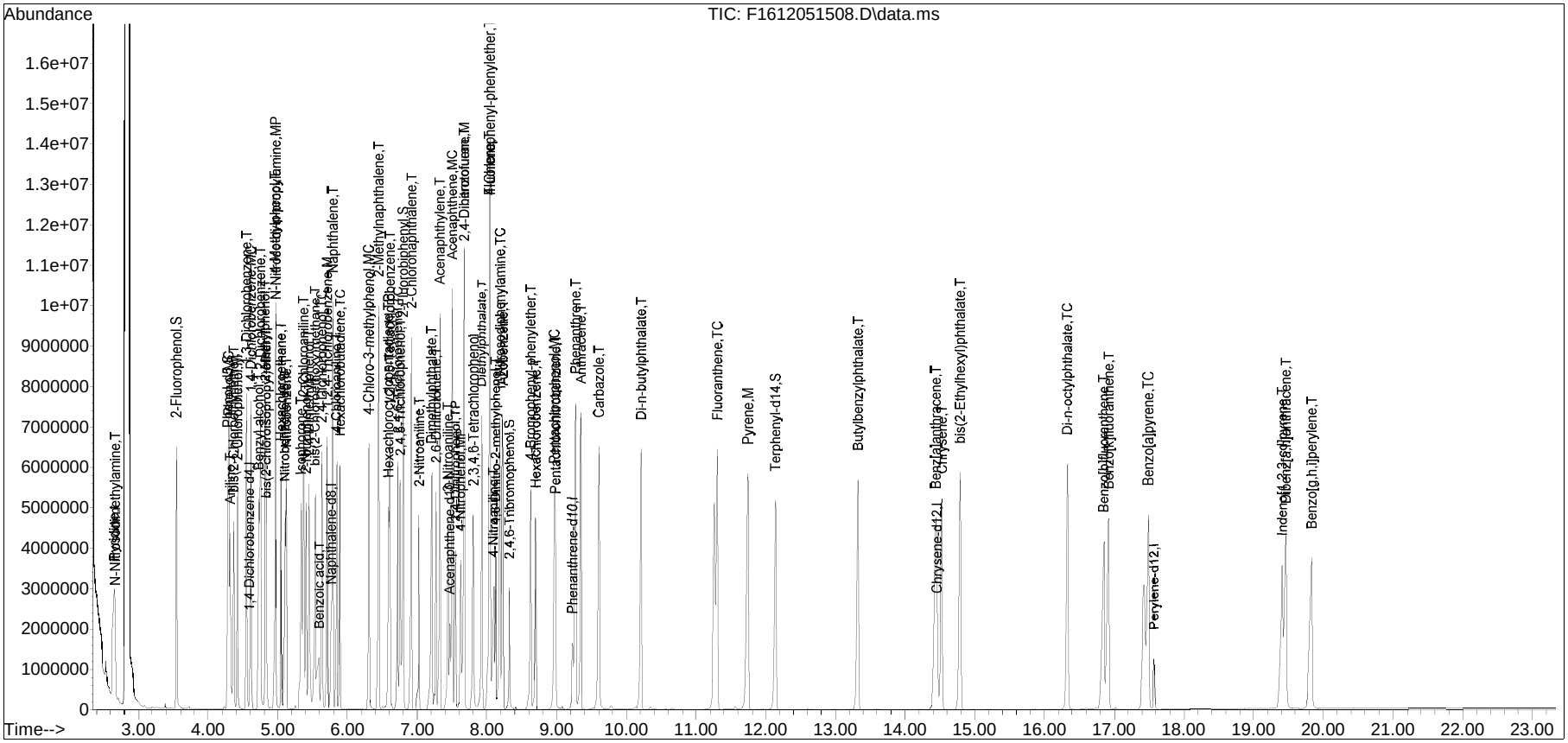
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051508.D
Acq On : 5 Dec 2015 12:47 pm
Operator : PAH16:JT
Sample : I1612051507
Misc : WG851800,MSAG46
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 17 15:03:04 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

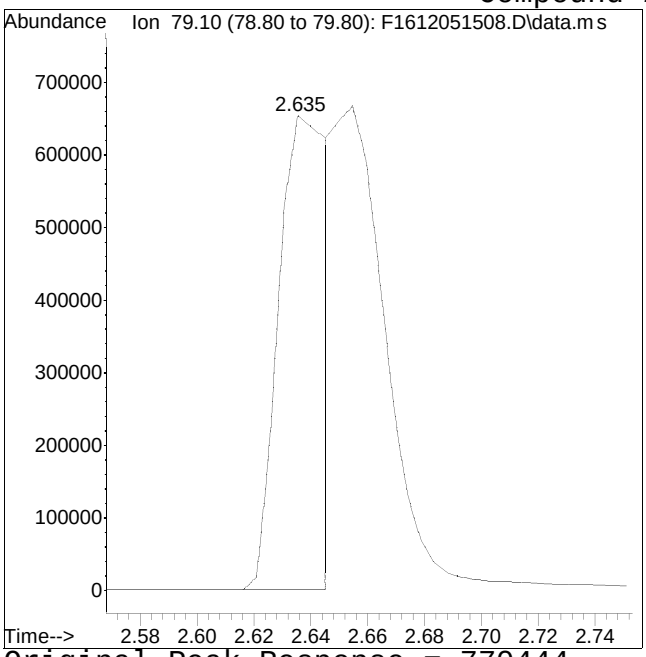


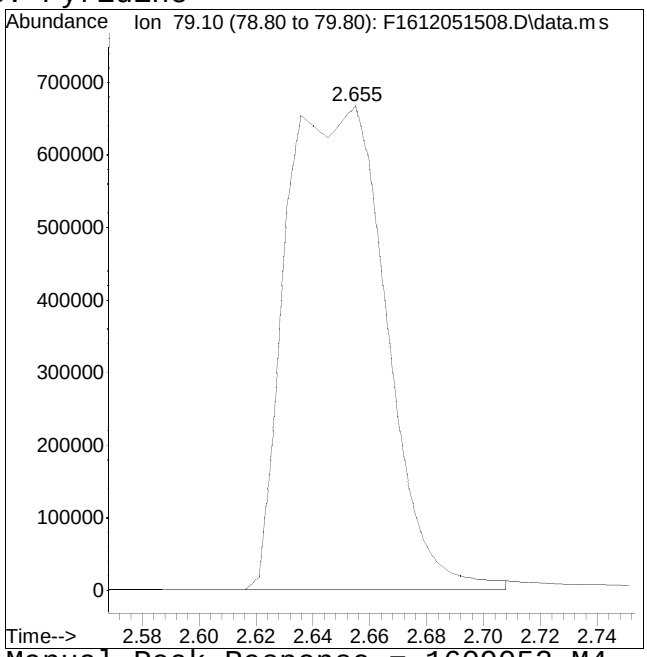
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051508.D
Date Inj'd : 12/5/2015 12:47 pm
Sample : I1612051507

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #3: Pyridine





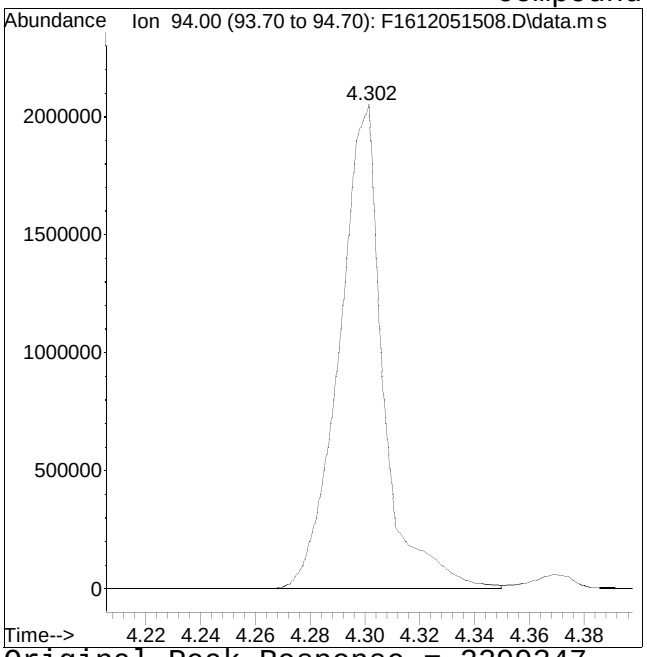
Original Peak Response = 770444 Manual Peak Response = 1609052 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

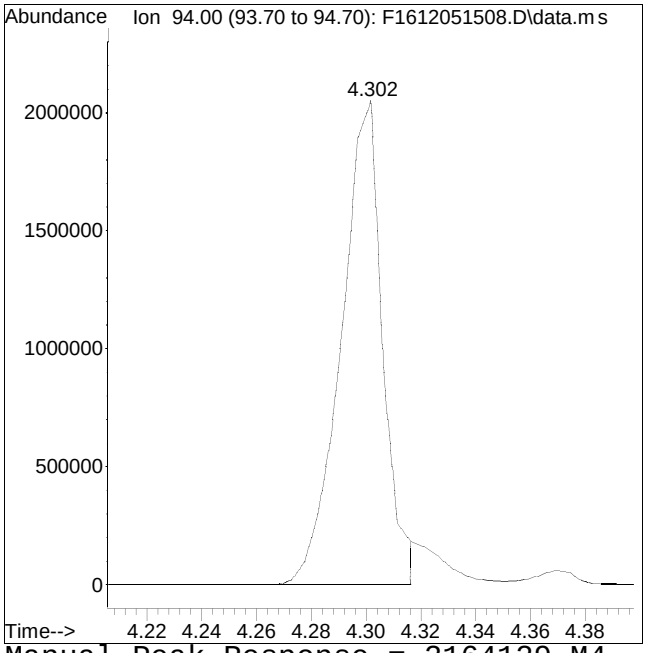
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051508.D
Date Inj'd : 12/5/2015 12:47 pm
Sample : I1612051507

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #9: Phenol



Original Peak Response = 2299347



Manual Peak Response = 2164129 M4

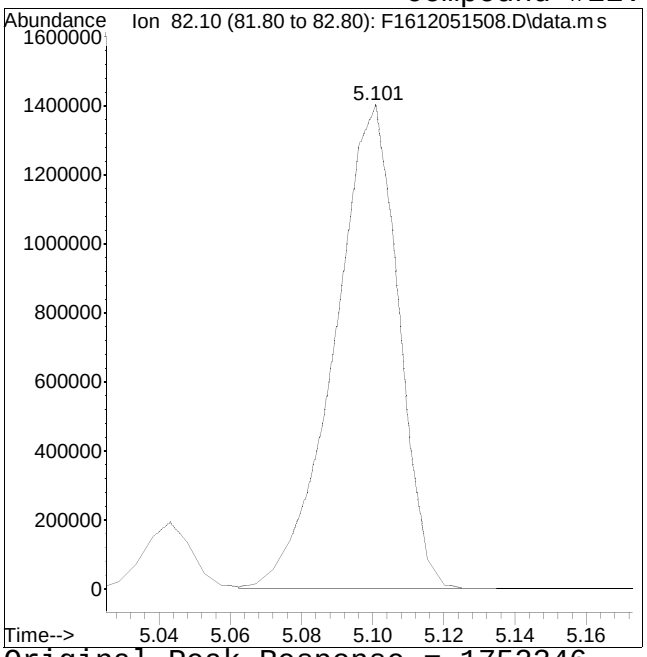
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

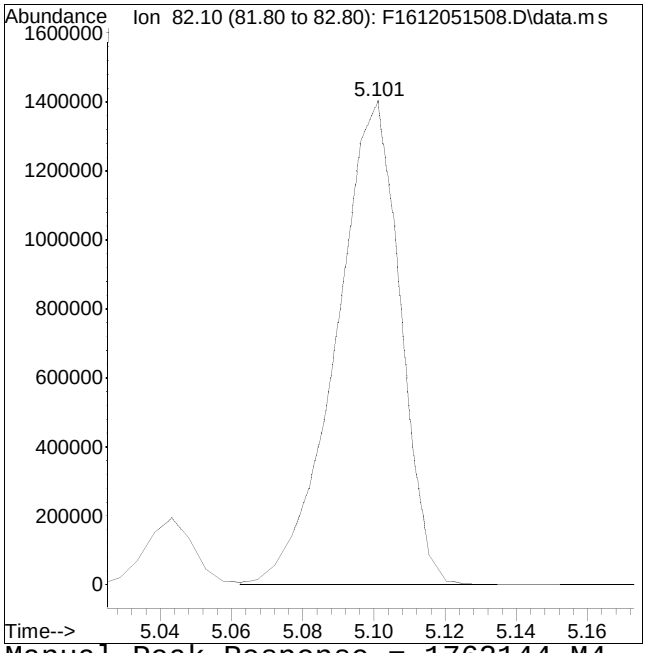
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051508.D
Date Inj'd : 12/5/2015 12:47 pm
Sample : I1612051507

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #22: Nitrobenzene-d5



Original Peak Response = 1752346



Manual Peak Response = 1762144 M4

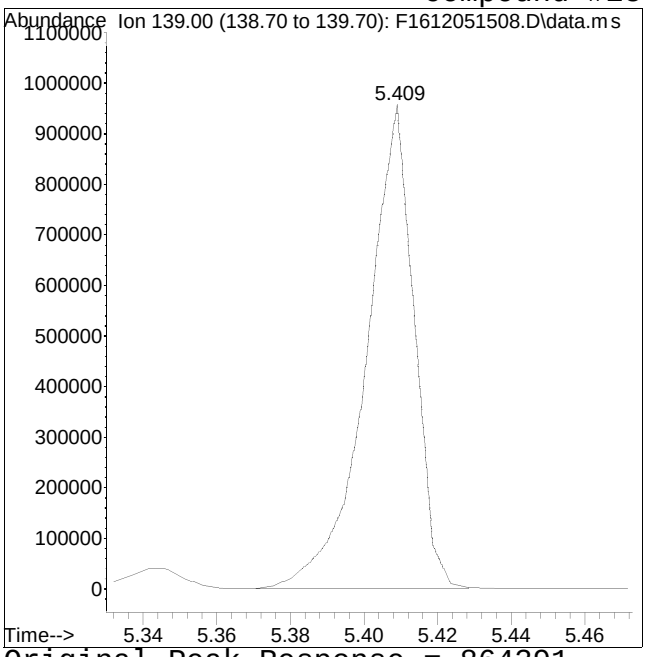
M4 = Poor automated baseline construction.

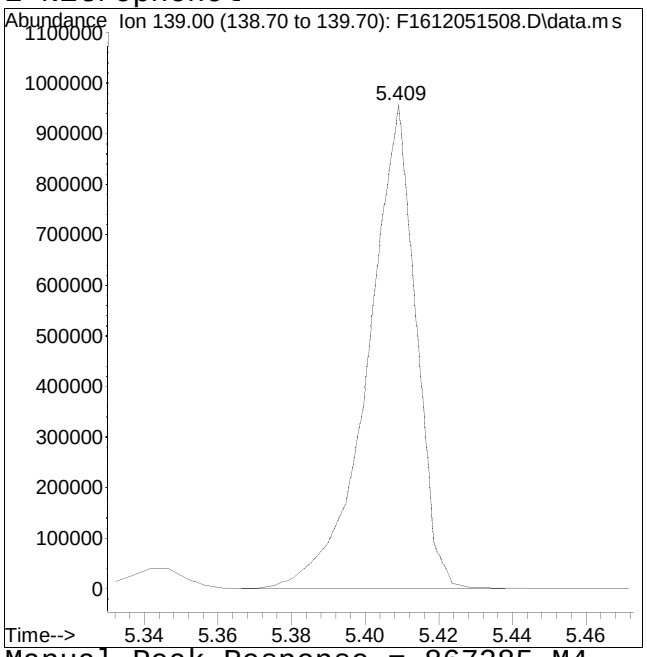
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051508.D
Date Inj'd : 12/5/2015 12:47 pm
Sample : I1612051507

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #25: 2-Nitrophenol





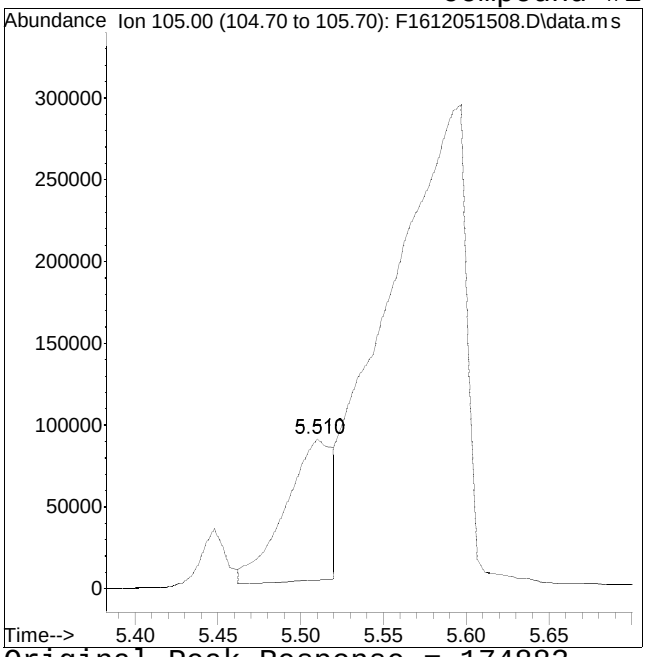
Original Peak Response = 864391 Manual Peak Response = 867285 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

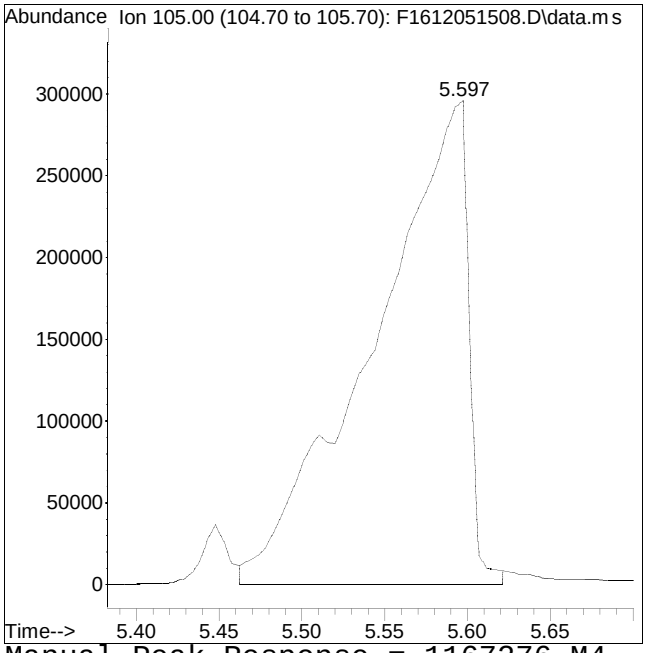
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051508.D
Date Inj'd : 12/5/2015 12:47 pm
Sample : I1612051507

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #27: Benzoic acid



Original Peak Response = 174883



Manual Peak Response = 1167276 M4

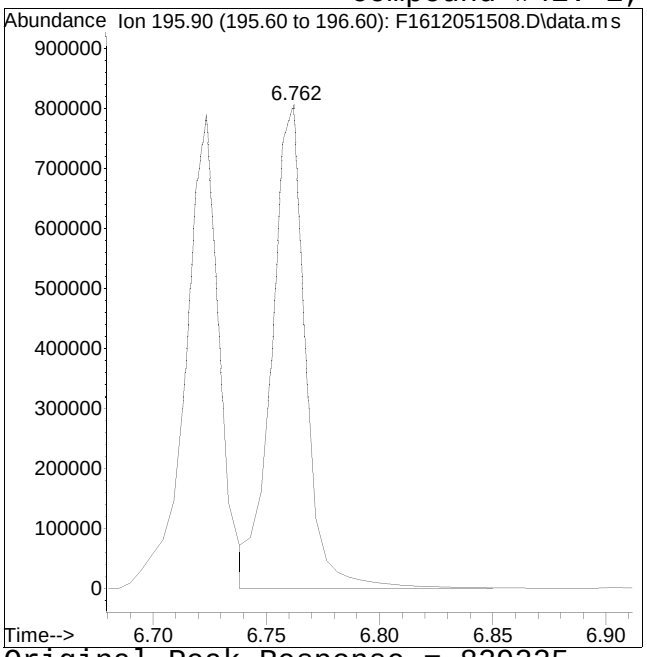
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

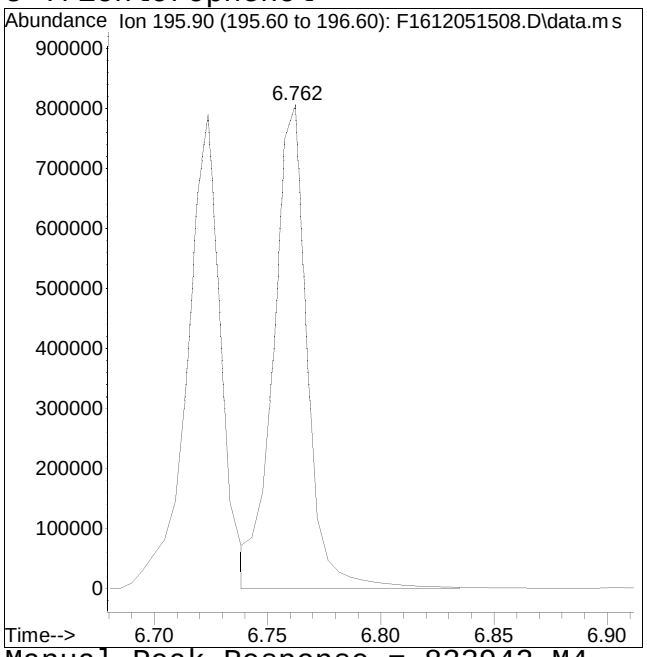
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051508.D
Date Inj'd : 12/5/2015 12:47 pm
Sample : I1612051507

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #42: 2,4,5-Trichlorophenol



Original Peak Response = 829225



Manual Peak Response = 833942 M4

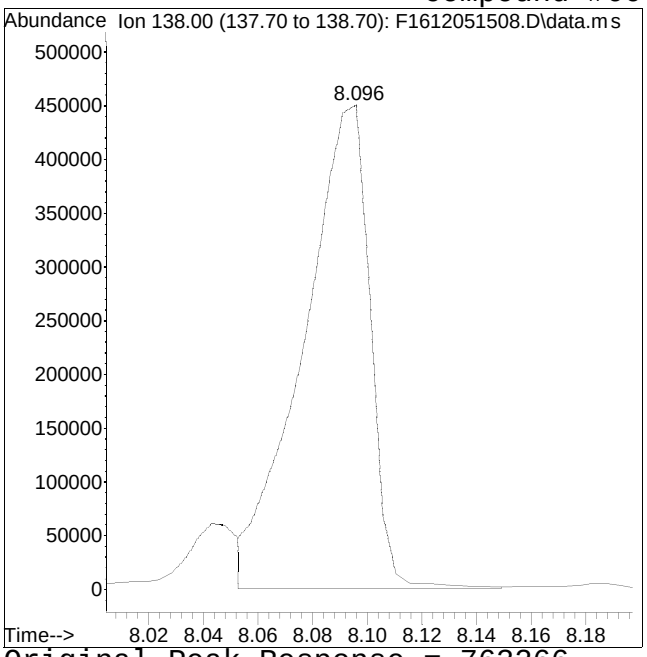
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

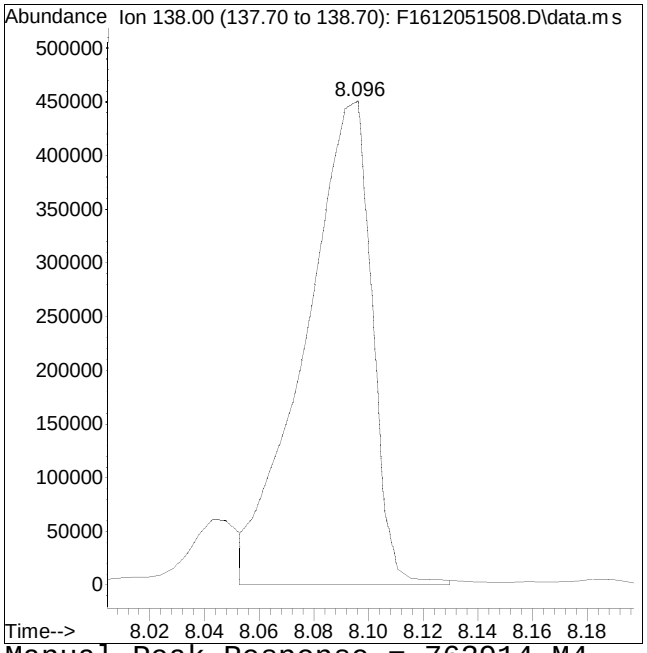
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051508.D
Date Inj'd : 12/5/2015 12:47 pm
Sample : I1612051507

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #60: 4-Nitroaniline



Original Peak Response = 763266



Manual Peak Response = 763914 M4

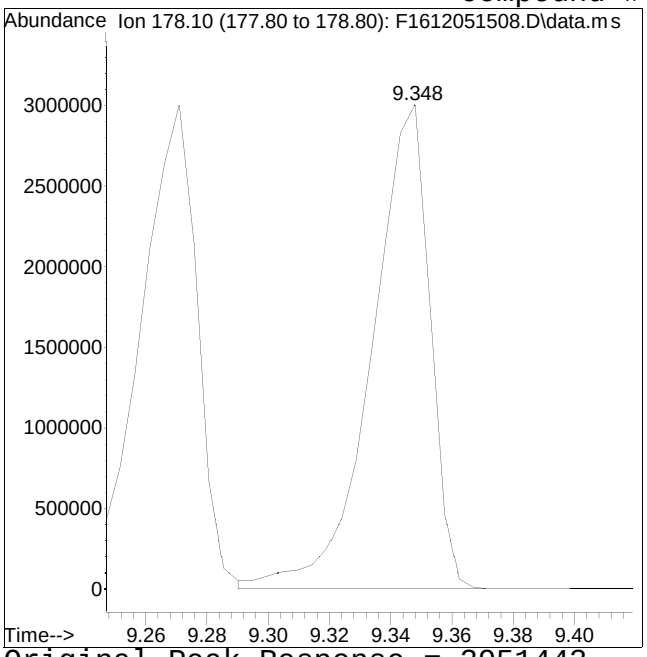
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

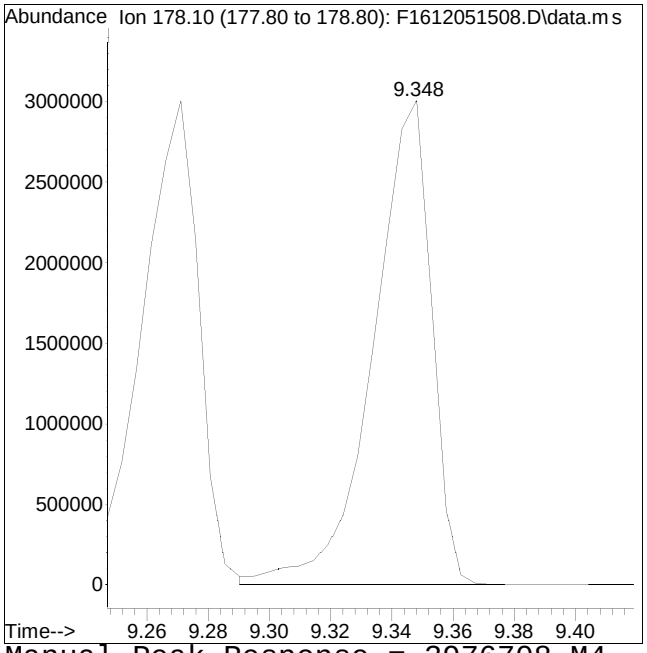
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051508.D
Date Inj'd : 12/5/2015 12:47 pm
Sample : I1612051507

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #72: Anthracene



Original Peak Response = 3951443



Manual Peak Response = 3976708 M4

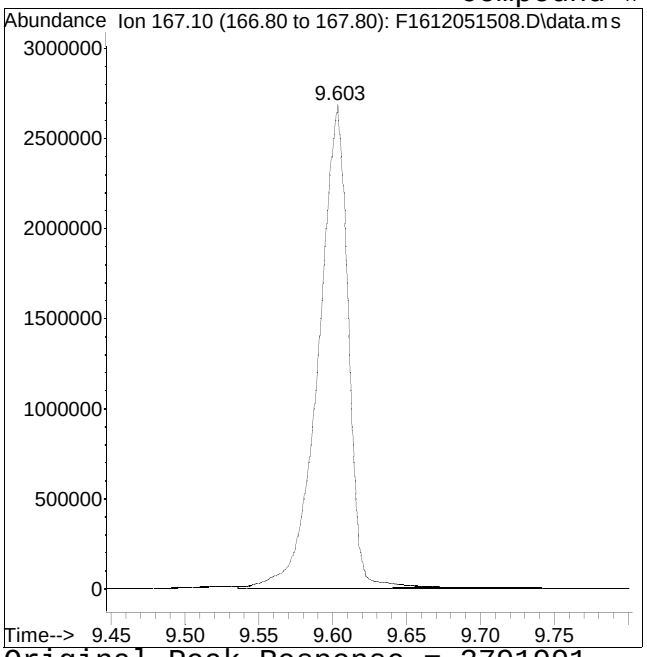
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

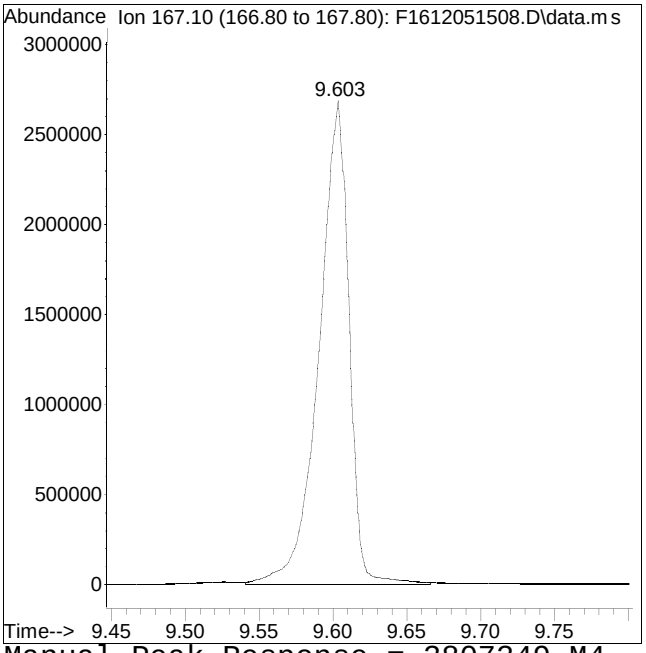
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051508.D
Date Inj'd : 12/5/2015 12:47 pm
Sample : I1612051507

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #73: Carbazole



Original Peak Response = 3791991



Manual Peak Response = 3807349 M4

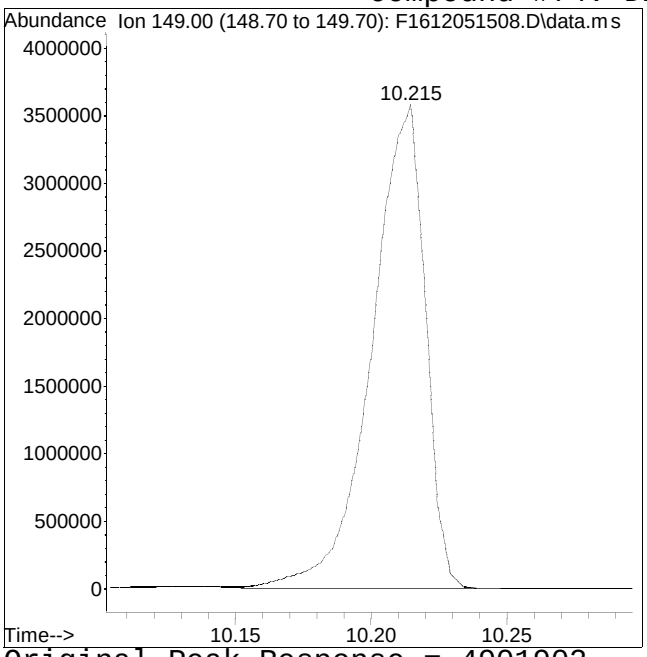
M4 = Poor automated baseline construction.

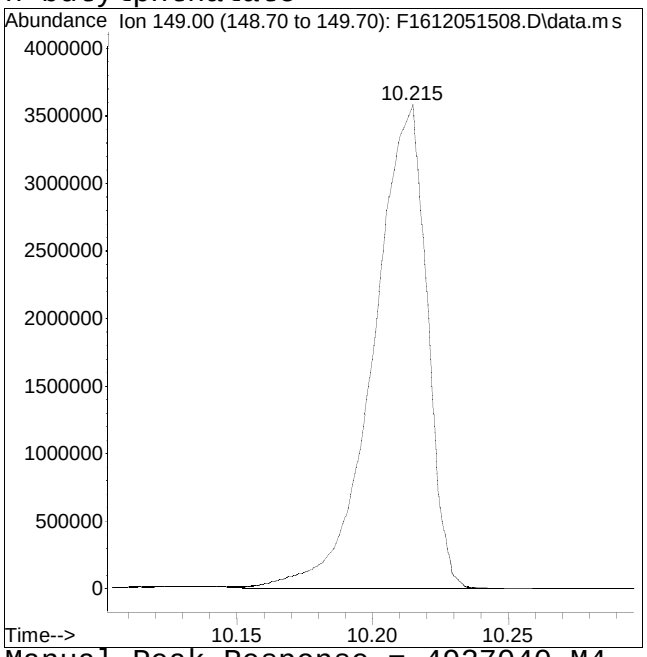
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051508.D
Date Inj'd : 12/5/2015 12:47 pm
Sample : I1612051507

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #74: Di-n-butylphthalate





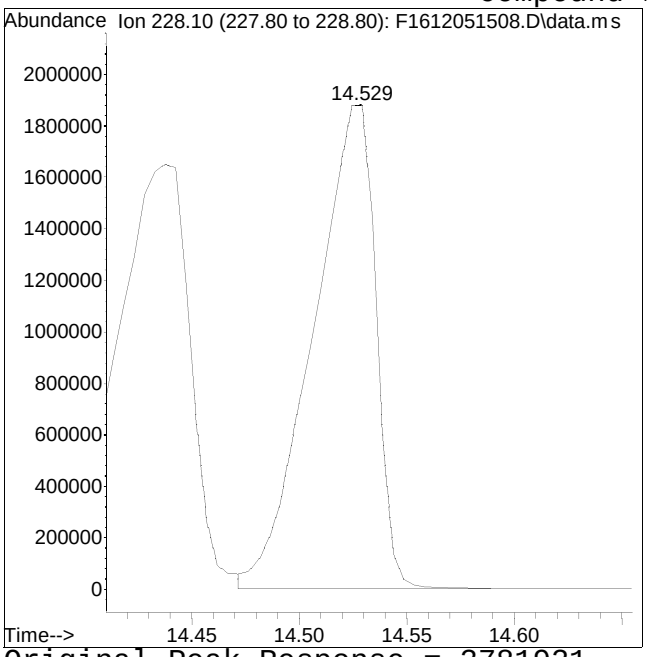
Original Peak Response = 4901902 Manual Peak Response = 4927040 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

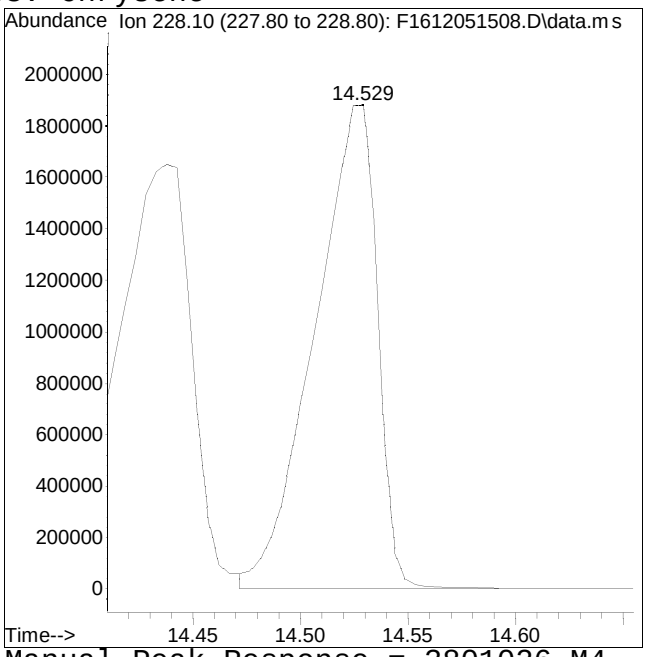
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051508.D
Date Inj'd : 12/5/2015 12:47 pm
Sample : I1612051507

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #83: Chrysene



Original Peak Response = 3781921



Manual Peak Response = 3801026 M4

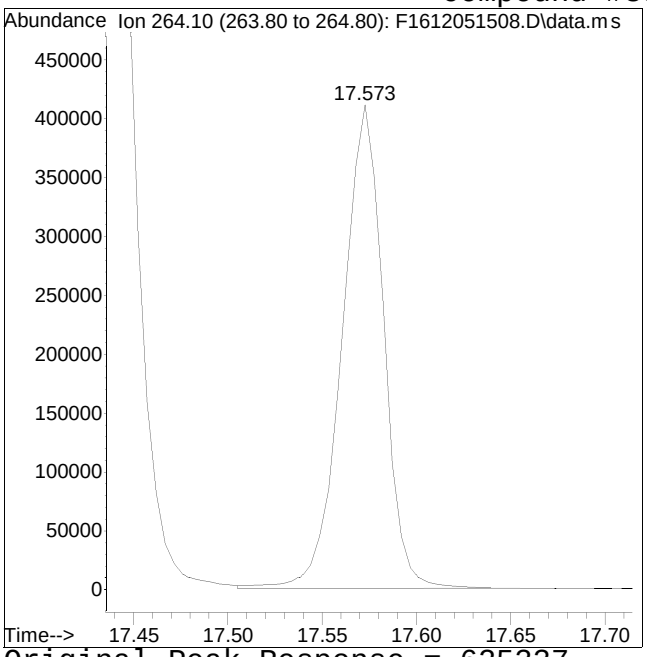
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

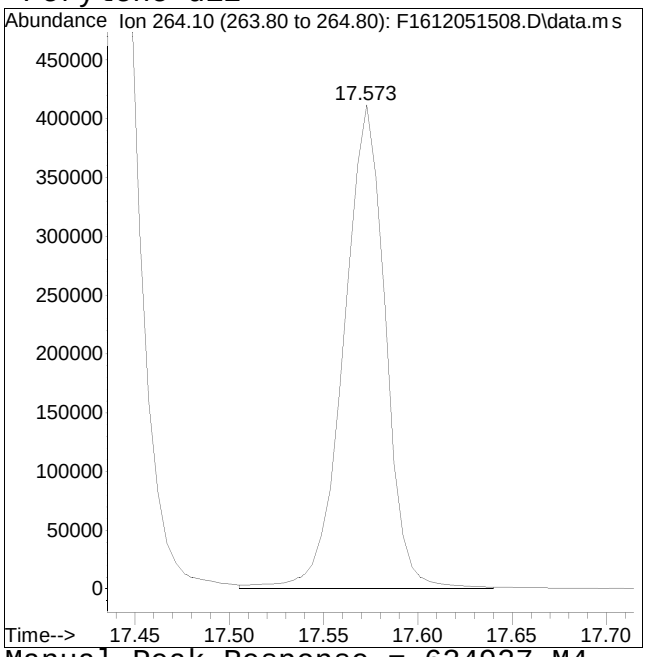
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051508.D
Date Inj'd : 12/5/2015 12:47 pm
Sample : I1612051507

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #85: Perylene-d12



Original Peak Response = 625337



Manual Peak Response = 634927 M4

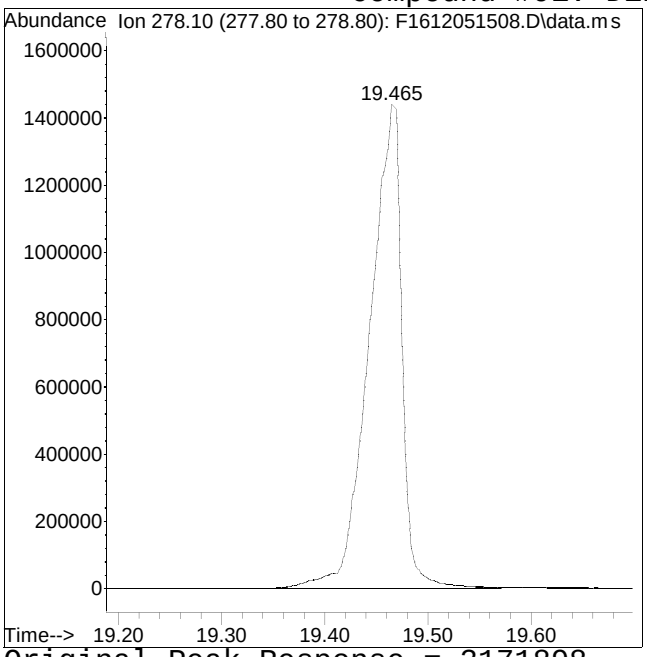
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

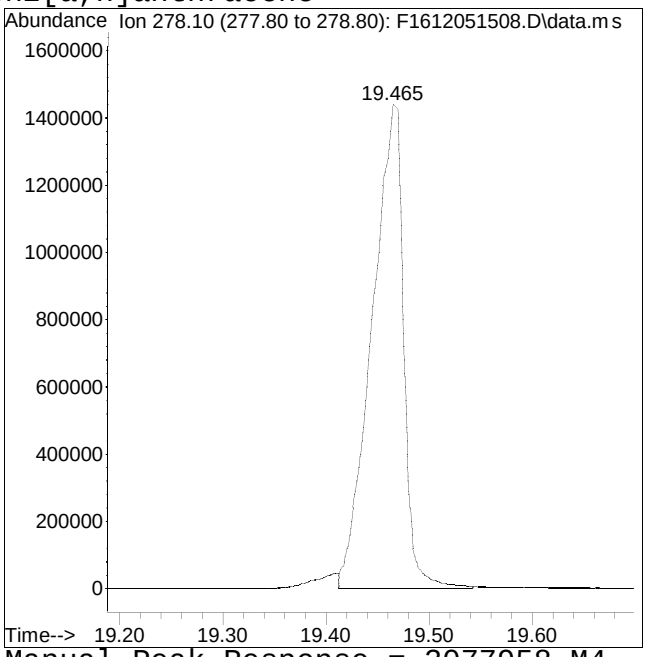
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051508.D
Date Inj'd : 12/5/2015 12:47 pm
Sample : I1612051507

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #91: Dibenz[a,h]anthracene



Original Peak Response = 3171898



Manual Peak Response = 3077958 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051509.D
Acq On : 5 Dec 2015 1:16 pm
Operator : PAH16:JT
Sample : I1612051508
Misc : WG851800,MSAG39 X2
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 07 16:43:11 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.600	152	209847	5.000	ug/mL	0.00
21) Naphthalene-d8	5.765	136	853774	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.465	164	404135	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.237	188	723181	5.000	ug/mL	0.01
76) Chrysene-d12	14.471	240	588903	5.000	ug/mL	0.04
85) Perylene-d12	17.587	264	490509M4	5.000	ug/mL	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	3.550	112	2957856	59.248	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 296.24%#			
8) Phenol-d5	4.301	99	3914497	62.966	ug/mL	0.02
Spiked Amount 20.000	Range 10 - 94		Recovery = 314.83%#			
22) Nitrobenzene-d5	5.110	82	3284000M4	62.043	ug/mL	0.02
Spiked Amount 20.000	Range 35 - 114		Recovery = 310.21%#			
43) 2-Fluorobiphenyl	6.805	172	5538231	50.736	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 253.68%#			
65) 2,4,6-Tribromophenol	8.332	330	532479	57.541	ug/mL	0.01
Spiked Amount 20.000	Range 10 - 123		Recovery = 287.70%#			
79) Terphenyl-d14	12.150	244	5010351	54.416	ug/mL	0.02
Spiked Amount 20.000	Range 33 - 141		Recovery = 272.08%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.717	74	1675860M3	59.339	ug/mL	
3) Pyridine	2.684	79	3142173M1	59.543	ug/mL	
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.330	93	3739917	48.246	ug/ml#	2
7) bis(2-Chloroethyl)ether	4.378	63	2276335	67.720	ug/mL	92
9) Phenol	4.311	94	4233195	67.942	ug/mL#	48
10) 2-Chlorophenol	4.427	128	3151777	56.150	ug/mL	94
11) 1,3-Dichlorobenzene	4.552	146	3365581	53.031	ug/mL	99
12) 1,4-Dichlorobenzene	4.614	146	3362019M4	53.156	ug/mL	
13) 1,2-Dichlorobenzene	4.749	146	3093010	51.068	ug/mL	99
14) Benzyl alcohol	4.740	108	2069658	57.910	ug/mL	99
15) bis(2-chloroisopropyl)eth	4.841	45	3394885	64.202	ug/mL#	18
16) 2-Methylphenol	4.826	108	2688296	56.577	ug/mL	99
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	5.043	117	1393721	56.196	ug/mL	88
19) N-Nitroso-di-n-propylamin	4.995	70	2297025	66.290	ug/mL	94
20) 4-Methylphenol	4.980	108	3002368	62.109	ug/mL	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051509.D
Acq On : 5 Dec 2015 1:16 pm
Operator : PAH16:JT
Sample : I1612051508
Misc : WG851800,MSAG39 X2
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 07 16:43:11 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	5.130	77	3393921	61.587	ug/mL	99
24) Isophorone	5.366	82	5052259M4	58.829	ug/mL	
25) 2-Nitrophenol	5.414	139	1663083M4	49.746	ug/mL	
26) 2,4-Dimethylphenol	5.457	107	2411937	50.392	ug/mL	96
27) Benzoic acid	5.635	105	2540352M4	54.474	ug/mL	
28) bis(2-Chloroethoxy)methan	5.539	93	3490050	54.823	ug/mL	99
29) 2,4-Dichlorophenol	5.645	162	2413604	55.074	ug/mL	98
30) 1,2,4-Trichlorobenzene	5.712	180	2497126	49.858	ug/mL	98
31) Naphthalene	5.789	128	8404658	47.803	ug/mL	98
32) 2-Chloroaniline	5.380	127	4558789	50.632	ug/ml	100
33) 4-Chloroaniline	5.847	127	3495373	48.655	ug/mL#	1
34) Hexachlorobutadiene	5.891	225	1253482	51.880	ug/mL	100
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	6.314	107	2731531	63.739	ug/mL	98
37) 2-Methylnaphthalene	6.449	142	5620781	48.486	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.613	216	2182499	50.404	ug/mL	98
40) Hexachlorocyclopentadiene	6.594	237	1252959	53.322	ug/mL	99
41) 2,4,6-Trichlorophenol	6.728	196	1756515	61.386	ug/mL	98
42) 2,4,5-Trichlorophenol	6.767	196	1564754	54.465	ug/mL	99
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	6.926	162	5006303	49.929	ug/mL	95
46) 2-Nitroaniline	7.041	65	1907574M4	74.596	ug/mL	
47) Acenaphthylene	7.335	152	8591114	49.893	ug/mL	98
48) Dimethylphthalate	7.220	163	5889594M4	54.935	ug/mL	
49) 2,6-Dinitrotoluene	7.282	165	1381187M4	57.344	ug/mL	
50) Acenaphthene	7.504	153	5451368	49.674	ug/mL	99
51) 3-Nitroaniline	7.451	138	1664253M4	60.207	ug/mL	
52) 2,4-Dinitrophenol	7.561	184	1234571	51.237	ug/mL	89
53) Dibenzofuran	7.682	168	6918134	49.394	ug/mL	91
54) 2,3,4,6-Tetrachlorophenol	7.812	232	1251253	43.916		99
55) 2,4-Dinitrotoluene	7.691	165	1923944	60.069	ug/mL#	83
56) 4-Nitrophenol	7.638	109	917285M4	60.886	ug/mL	
57) Fluorene	8.053	166	5541814M4	48.882	ug/mL	
58) 4-Chlorophenyl-phenylethe	8.048	204	2463418M4	49.488	ug/mL	
59) Diethylphthalate	7.942	149	6238496M4	56.721	ug/mL	
60) 4-Nitroaniline	8.110	138	1658153M4	55.750	ug/mL	
62) 4,6-Dinitro-2-methylpheno	8.144	198	1178426M4	50.399	ug/mL	
63) Azobenzene	8.236	182	1650900	51.347	ug/mL	95
64) n-Nitrosodiphenylamine	8.197	169	4141153	52.867	ug/mL	96
66) 4-Bromophenyl-phenylether	8.635	248	1287916	54.276	ug/mL	91
67) Hexachlorobenzene	8.707	284	1253136	52.451	ug/mL#	89

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051509.D
Acq On : 5 Dec 2015 1:16 pm
Operator : PAH16:JT
Sample : I1612051508
Misc : WG851800,MSAG39 X2
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 07 16:43:11 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Atrazine	0.000		0	N.D. d		
69) Pentachlorophenol	8.982	266	1082815	46.777	ug/mL	99
70) Pentachloronitrobenzene	8.996	237	672655	64.272	ug/ml	97
71) Phenanthrene	9.280	178	8279110	51.745	ug/mL	99
72) Anthracene	9.358	178	7777353M4	49.766	ug/mL	
73) Carbazole	9.613	167	7835107	52.709	ug/mL	97
74) Di-n-butylphthalate	10.219	149	9960473	57.817	ug/mL	98
75) Fluoranthene	11.322	202	8049595M4	51.103	ug/mL	
77) Benzidine	0.000		0	N.D.		
78) Pyrene	11.756	202	8279108	50.824	ug/mL#	91
80) Butylbenzylphthalate	13.340	149	4699184	55.043	ug/mL	90
81) 3,3'-Dichlorobenzidine	0.000		0	N.D. d		
82) Benz[a]anthracene	14.457	228	7490449	58.827	ug/mL	100
83) Chrysene	14.553	228	6477427M4	49.545	ug/mL	
84) bis(2-Ethylhexyl)phthalat	14.799	149	6054876	50.747	ug/mL#	93
86) Di-n-octylphthalate	16.345	149	10958185	57.235	ug/mL	100
87) Benzo[b]fluoranthene	16.865	252	6954112	67.306	ug/mL#	95
88) Benzo[k]fluoranthene	16.946	252	5762202	50.410	ug/mL#	96
89) Benzo[a]pyrene	17.524	252	6191681	58.643	ug/mL#	95
90) Indeno[1,2,3-cd]pyrene	19.436	276	5932199	45.571	ug/mL#	88
91) Dibenz[a,h]anthracene	19.499	278	5716052	45.999	ug/mL	96
92) Benzo[g,h,i]perylene	19.869	276	5358556	56.548	ug/mL#	85

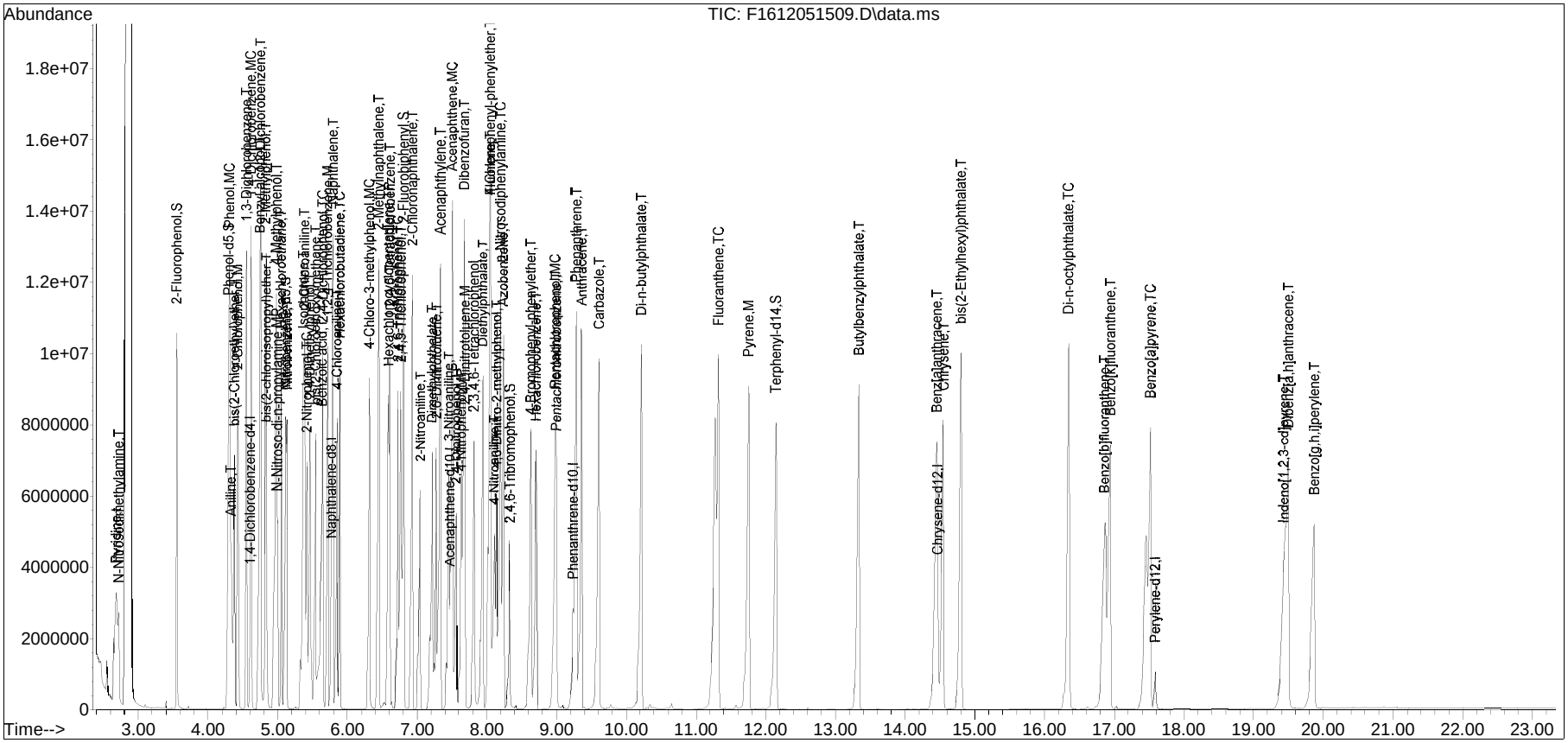
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051509.D
Acq On : 5 Dec 2015 1:16 pm
Operator : PAH16:JT
Sample : I1612051508
Misc : WG851800,MSAG39 X2
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 07 16:43:11 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

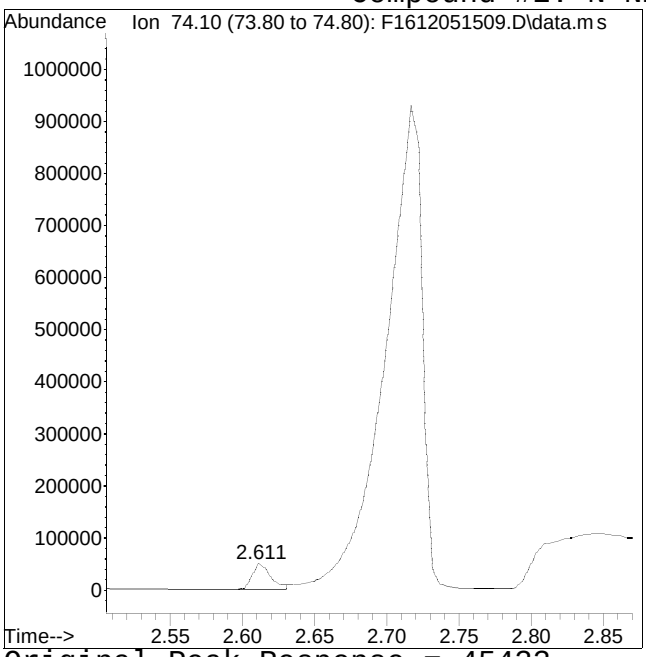


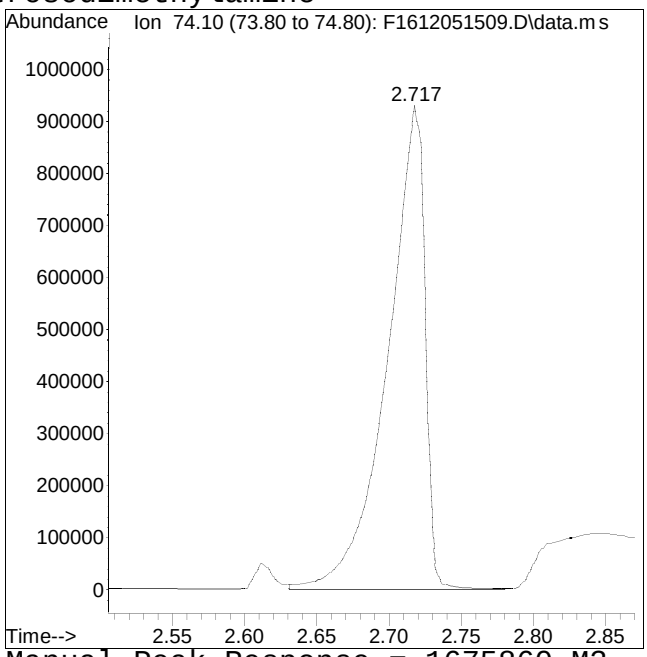
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051509.D
Date Inj'd : 12/5/2015 1:16 pm
Sample : I1612051508

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #2: N-Nitrosodimethylamine





Original Peak Response = 45433 Manual Peak Response = 1675860 M3

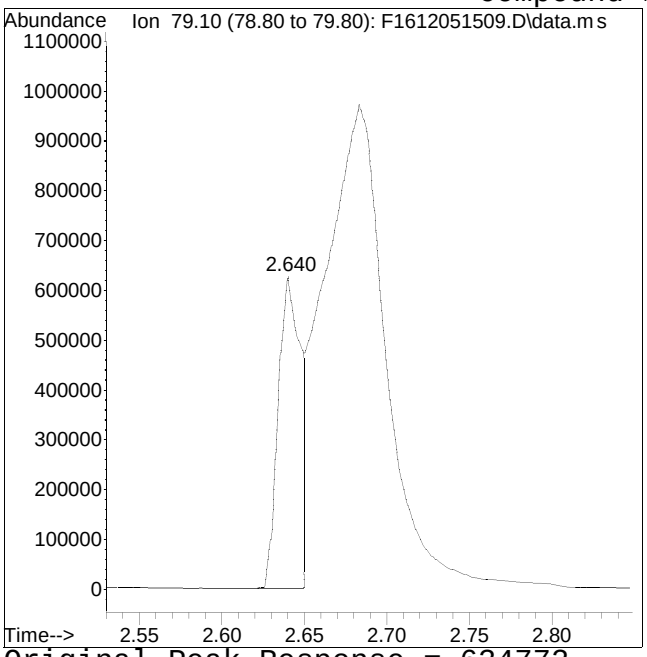
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

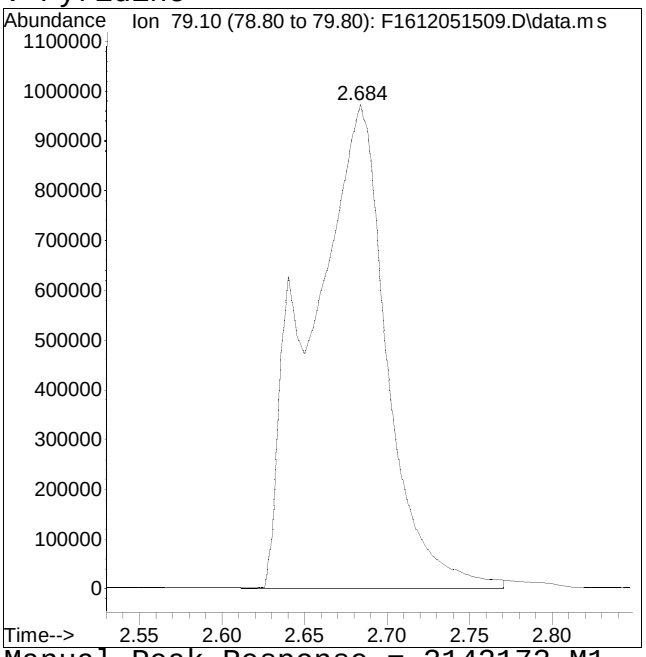
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051509.D
Date Inj'd : 12/5/2015 1:16 pm
Sample : I1612051508

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #3: Pyridine



Original Peak Response = 634772



Manual Peak Response = 3142173 M1

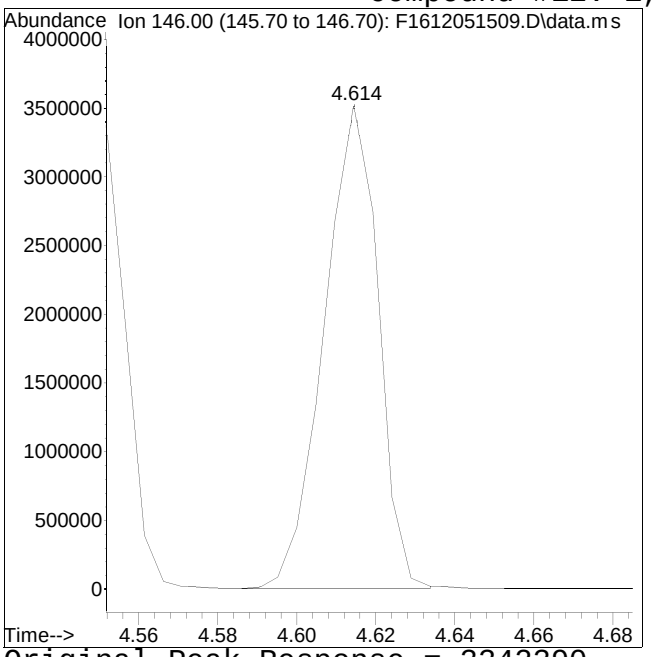
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration/Negative Proof Report

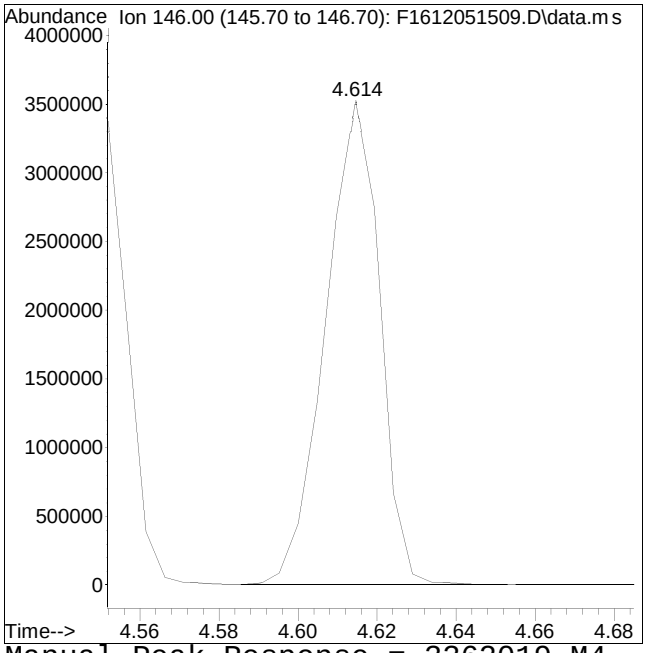
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051509.D
Date Inj'd : 12/5/2015 1:16 pm
Sample : I1612051508

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #12: 1,4-Dichlorobenzene



Original Peak Response = 3342390



Manual Peak Response = 3362019 M4

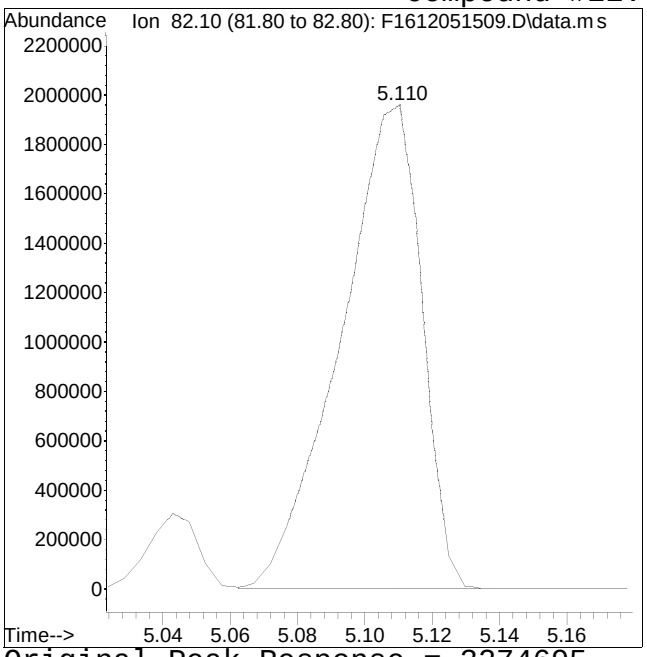
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

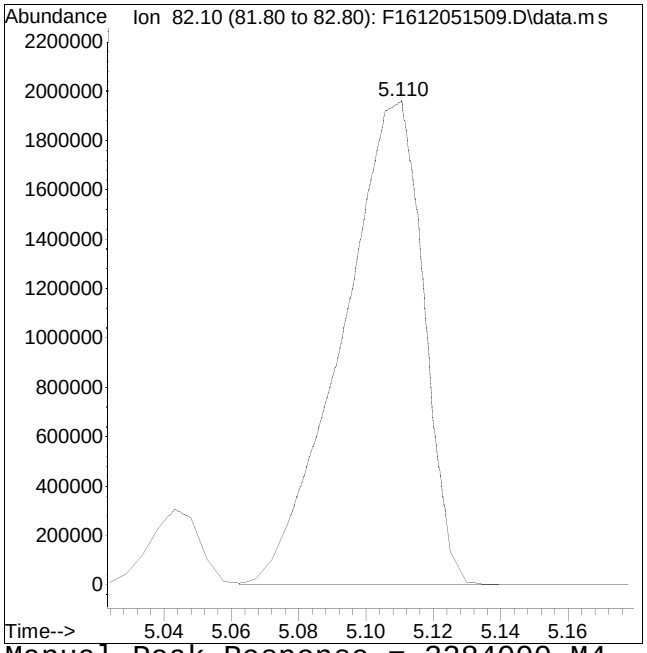
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051509.D
Date Inj'd : 12/5/2015 1:16 pm
Sample : I1612051508

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #22: Nitrobenzene-d5



Original Peak Response = 3274695



Manual Peak Response = 3284000 M4

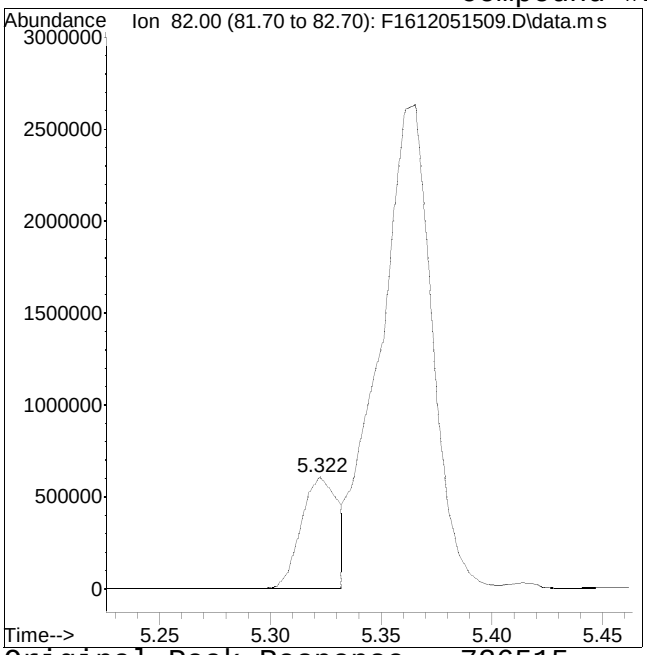
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

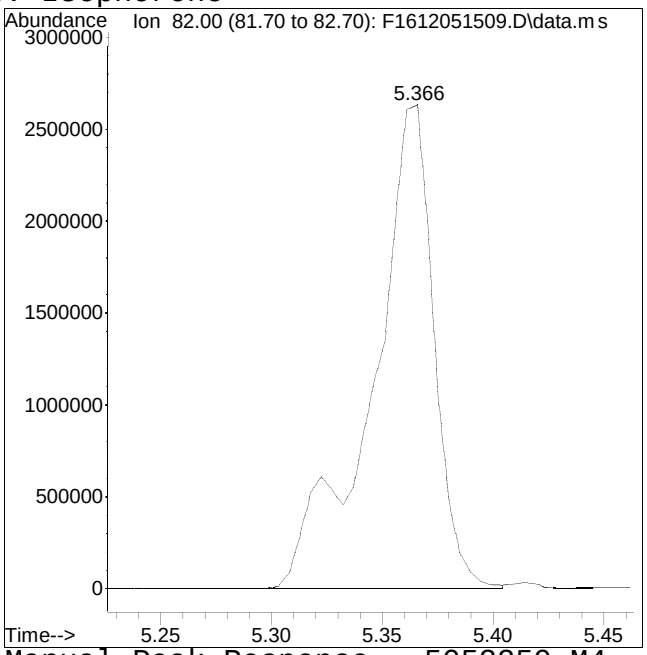
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051509.D
Date Inj'd : 12/5/2015 1:16 pm
Sample : I1612051508

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #24: Isophorone



Original Peak Response = 726515



Manual Peak Response = 5052259 M4

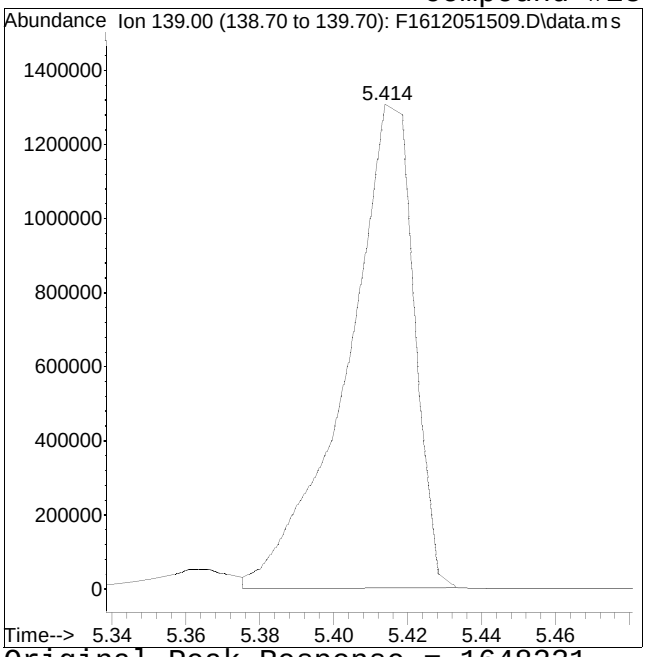
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

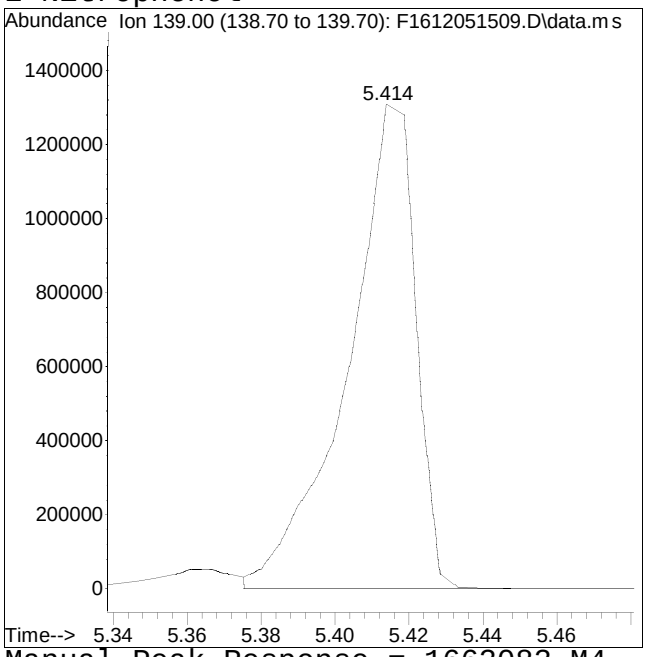
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051509.D
Date Inj'd : 12/5/2015 1:16 pm
Sample : I1612051508

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #25: 2-Nitrophenol



Original Peak Response = 1648231



Manual Peak Response = 1663083 M4

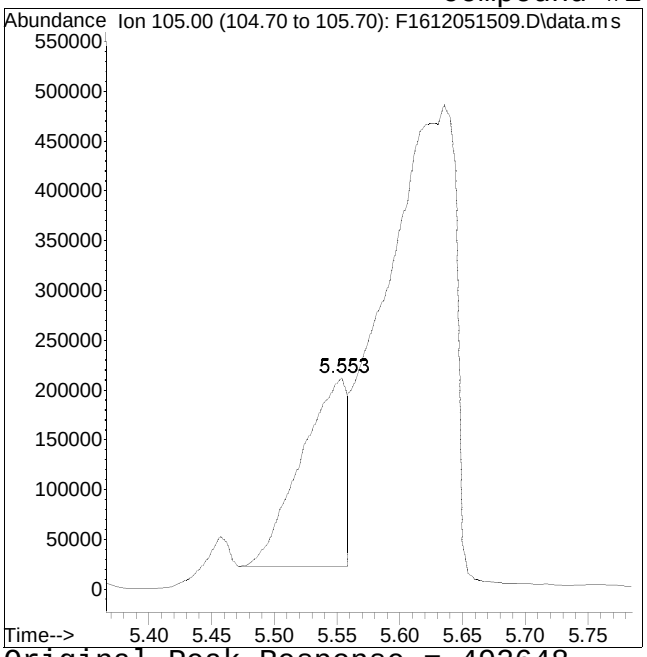
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

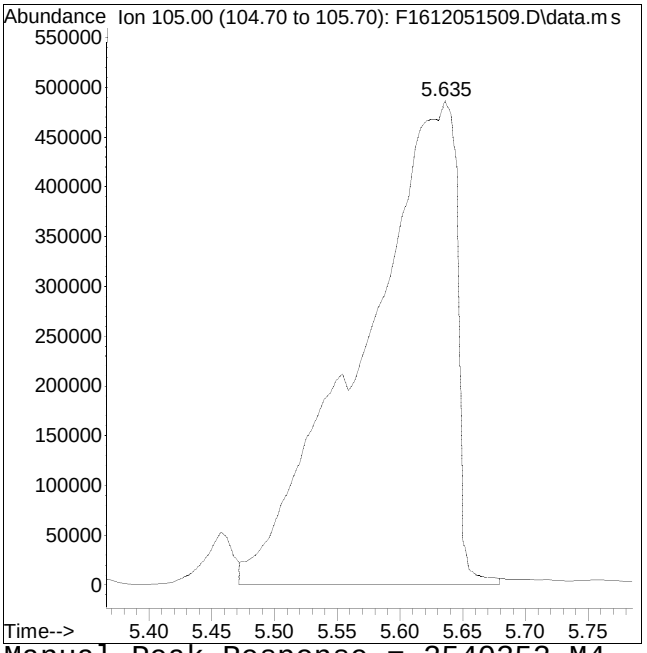
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051509.D
Date Inj'd : 12/5/2015 1:16 pm
Sample : I1612051508

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #27: Benzoic acid



Original Peak Response = 492648



Manual Peak Response = 2540352 M4

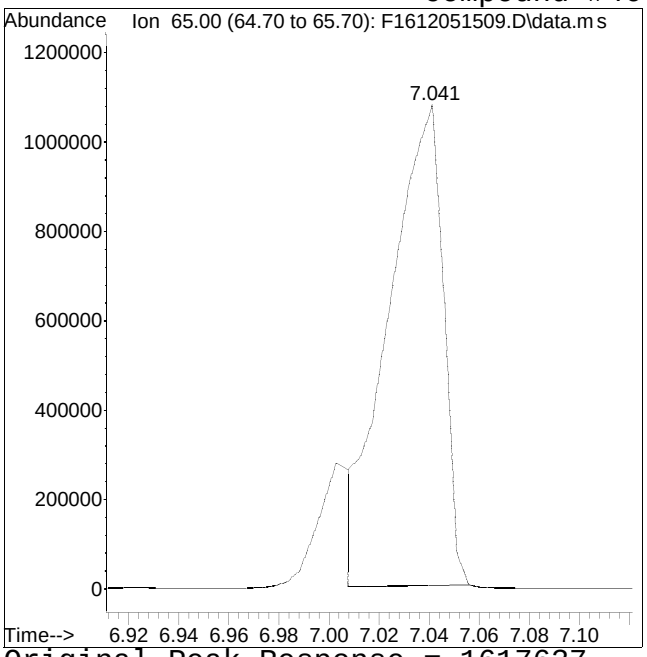
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

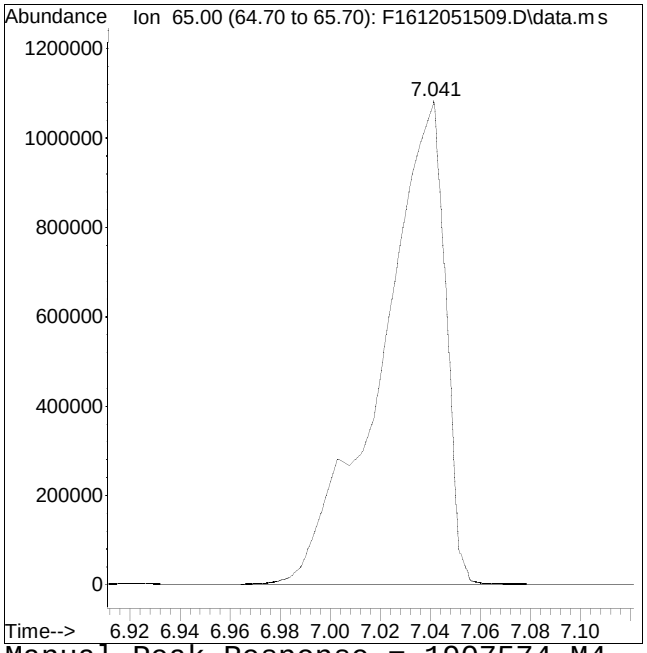
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051509.D
Date Inj'd : 12/5/2015 1:16 pm
Sample : I1612051508

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #46: 2-Nitroaniline



Original Peak Response = 1617637



Manual Peak Response = 1907574 M4

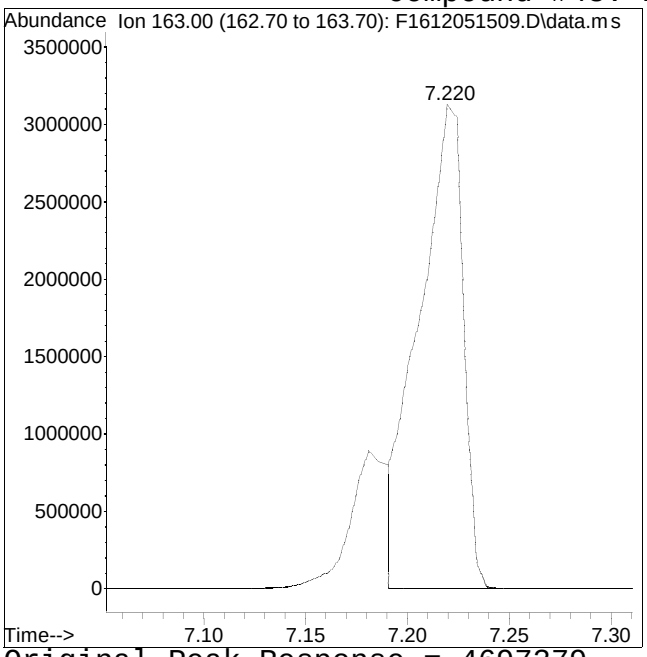
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

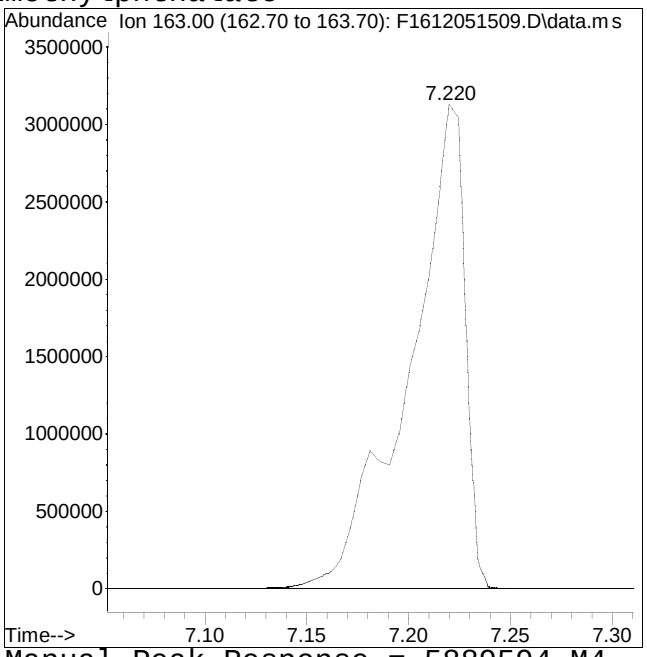
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051509.D
Date Inj'd : 12/5/2015 1:16 pm
Sample : I1612051508

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #48: Dimethylphthalate



Original Peak Response = 4697379



Manual Peak Response = 5889594 M4

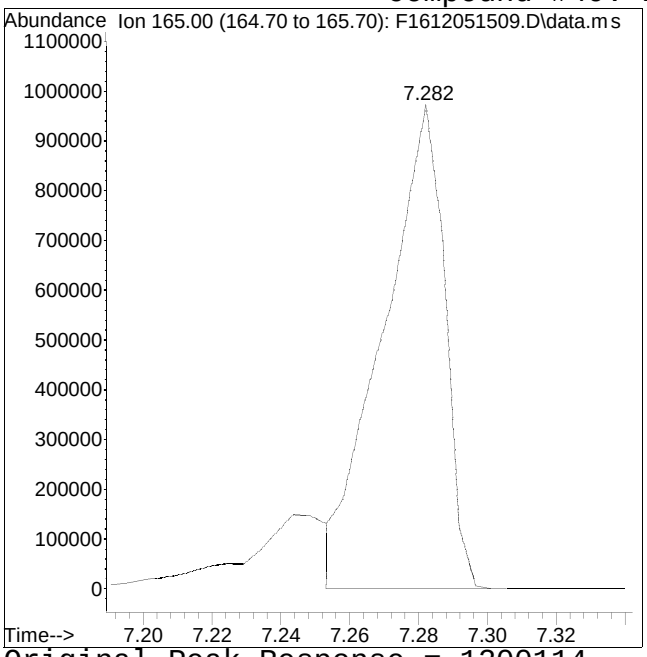
M4 = Poor automated baseline construction.

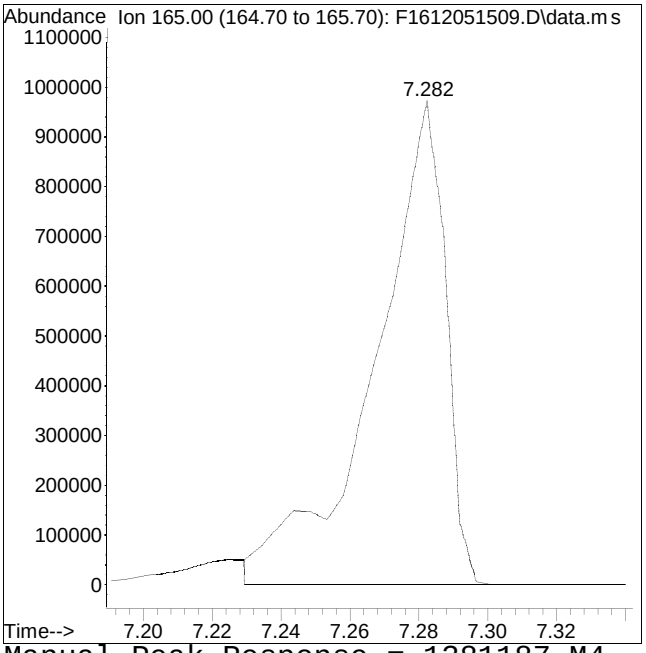
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051509.D
Date Inj'd : 12/5/2015 1:16 pm
Sample : I1612051508

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #49: 2,6-Dinitrotoluene





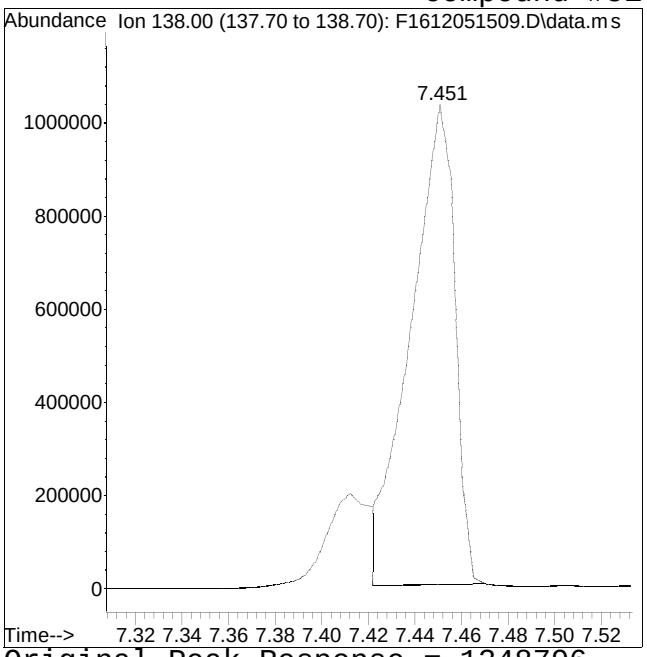
Original Peak Response = 1200114 Manual Peak Response = 1381187 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

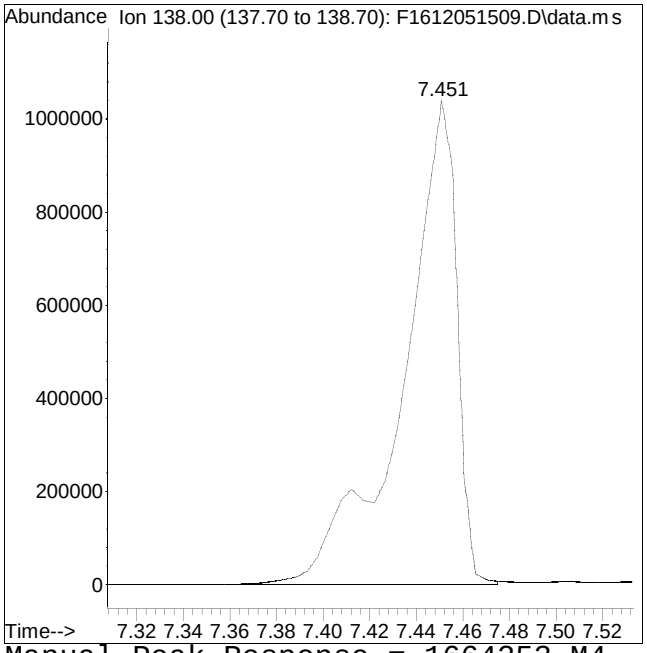
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051509.D
Date Inj'd : 12/5/2015 1:16 pm
Sample : I1612051508

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #51: 3-Nitroaniline



Original Peak Response = 1348796



Manual Peak Response = 1664253 M4

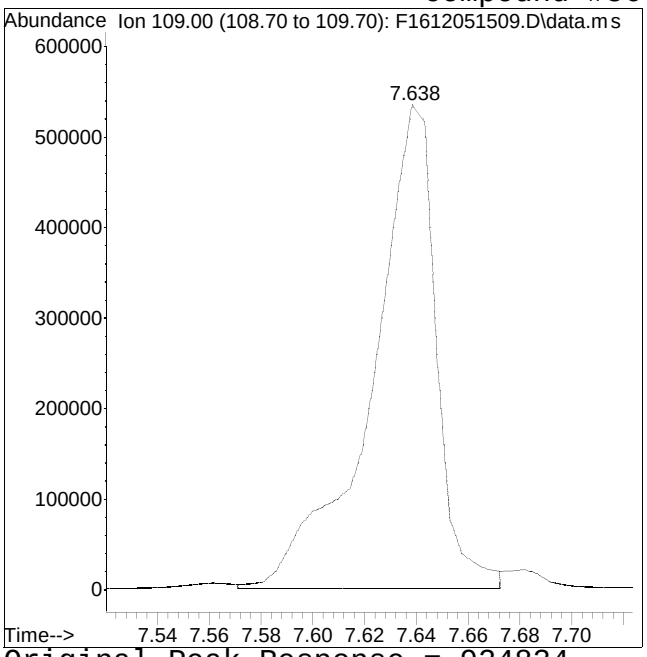
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

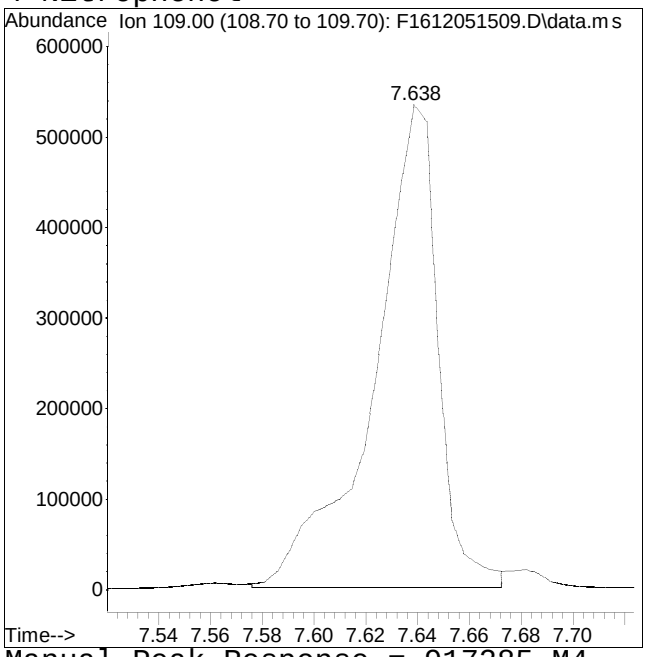
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051509.D
Date Inj'd : 12/5/2015 1:16 pm
Sample : I1612051508

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #56: 4-Nitrophenol



Original Peak Response = 924834



Manual Peak Response = 917285 M4

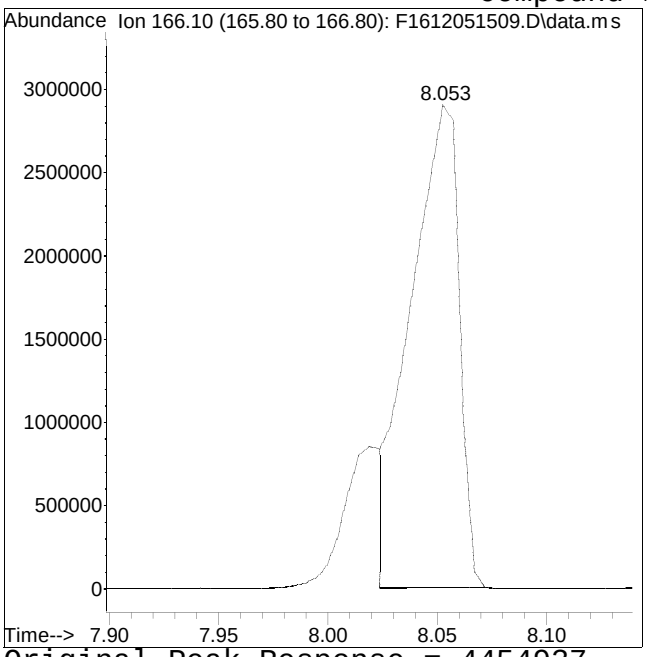
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

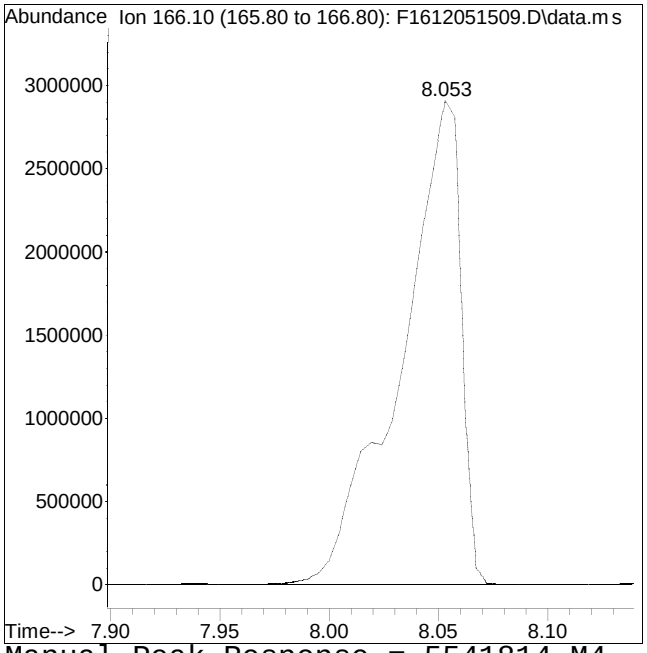
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051509.D
Date Inj'd : 12/5/2015 1:16 pm
Sample : I1612051508

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #57: Fluorene



Original Peak Response = 4454937



Manual Peak Response = 5541814 M4

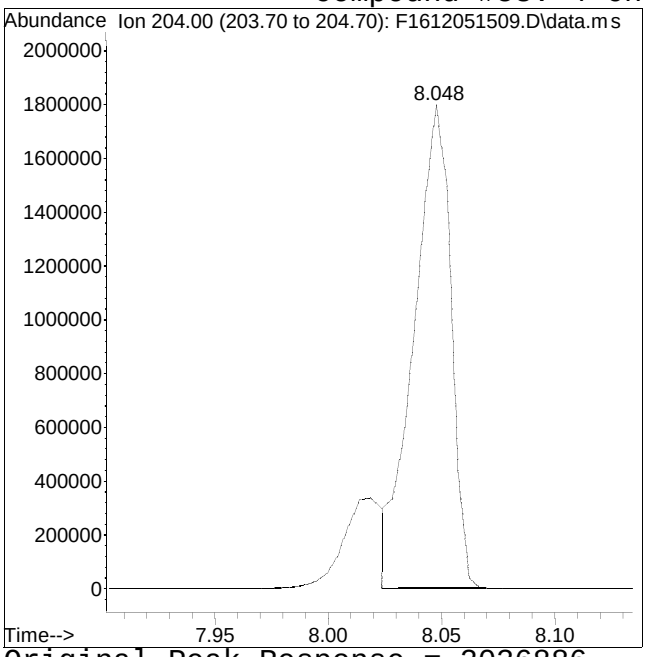
M4 = Poor automated baseline construction.

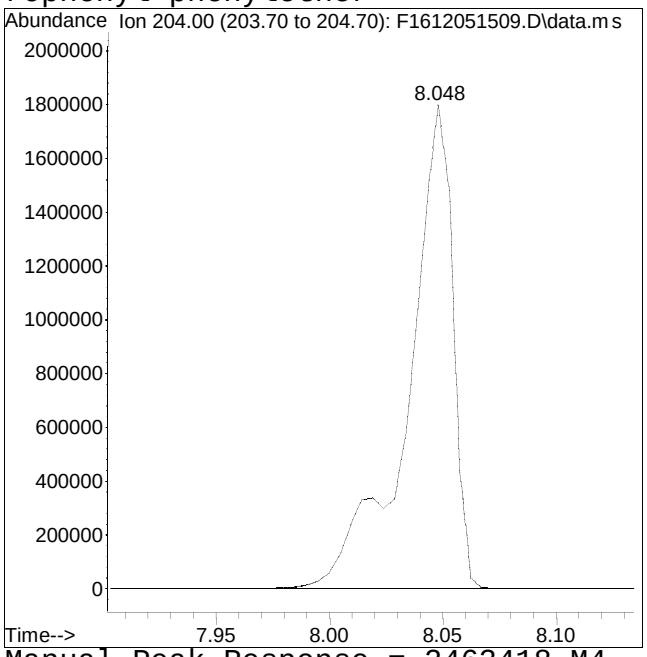
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051509.D
Date Inj'd : 12/5/2015 1:16 pm
Sample : I1612051508

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #58: 4-Chlorophenyl-phenylether





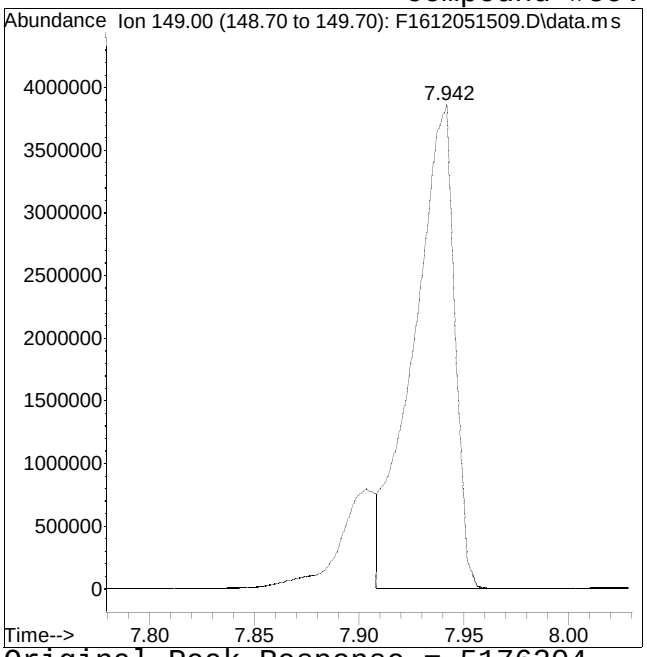
Original Peak Response = 2036886 Manual Peak Response = 2463418 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

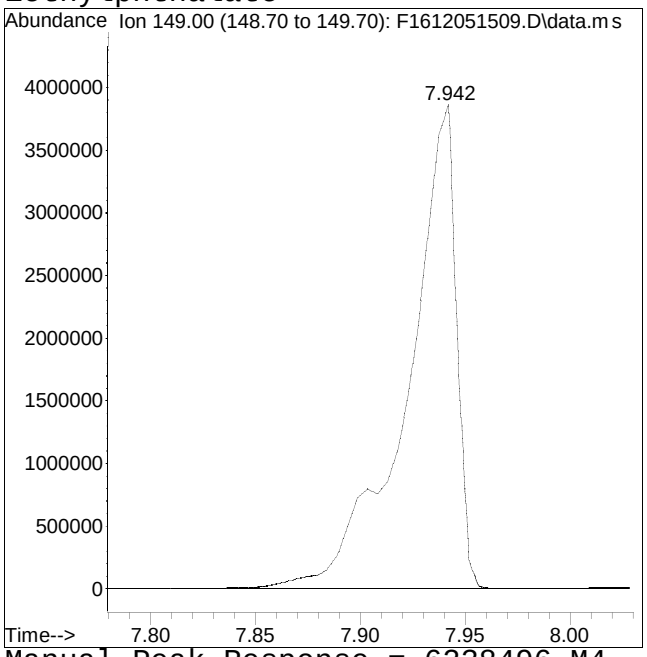
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051509.D
Date Inj'd : 12/5/2015 1:16 pm
Sample : I1612051508

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #59: Diethylphthalate



Original Peak Response = 5176204



Manual Peak Response = 6238496 M4

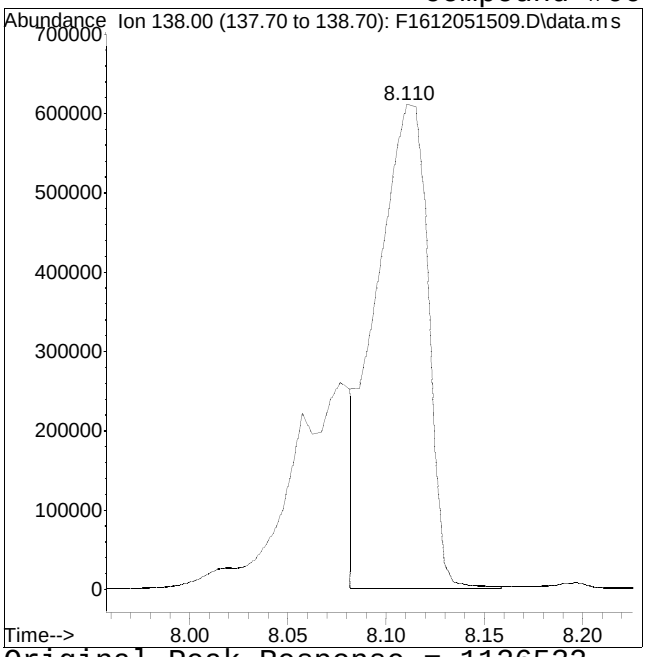
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

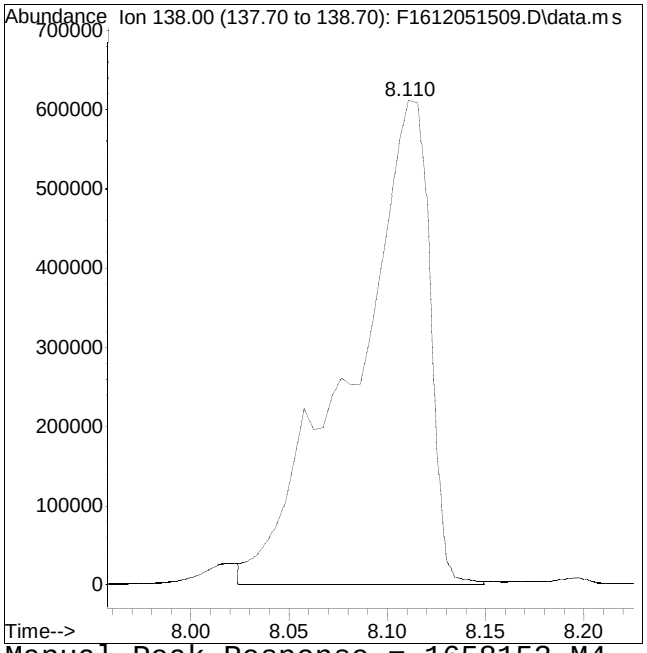
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051509.D
Date Inj'd : 12/5/2015 1:16 pm
Sample : I1612051508

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #60: 4-Nitroaniline



Original Peak Response = 1126532



Manual Peak Response = 1658153 M4

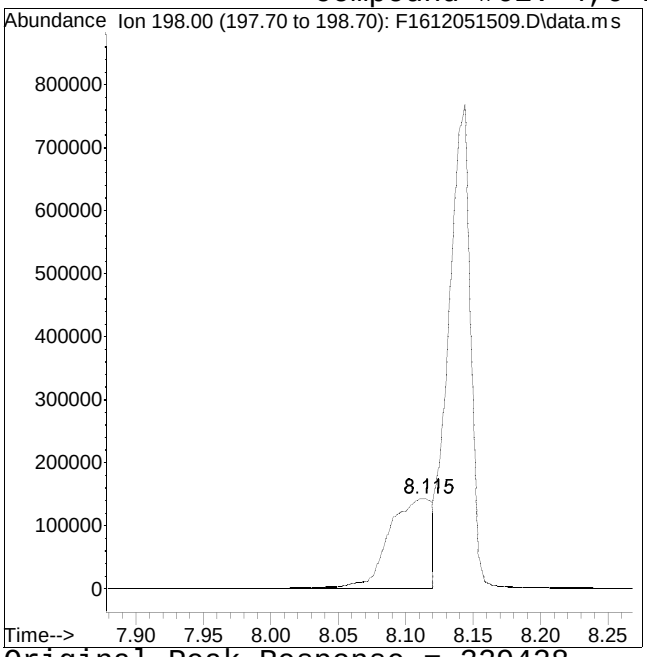
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

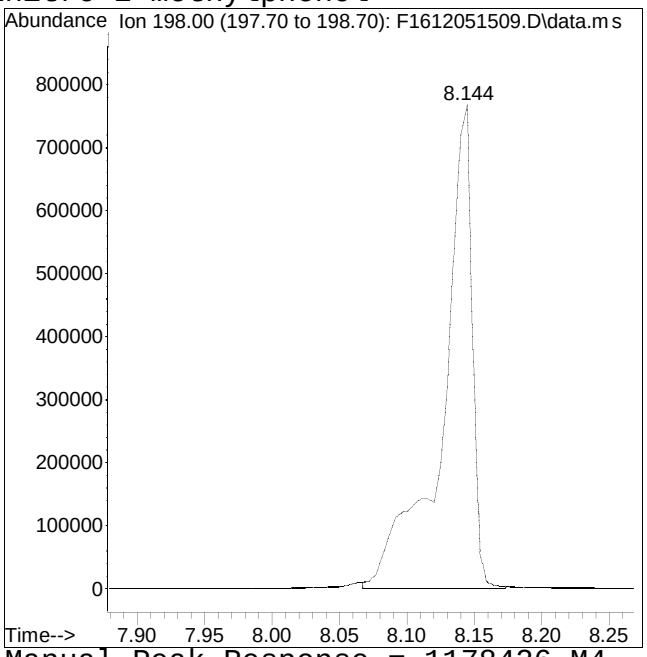
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051509.D
Date Inj'd : 12/5/2015 1:16 pm
Sample : I1612051508

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #62: 4,6-Dinitro-2-methylphenol



Original Peak Response = 329428



Manual Peak Response = 1178426 M4

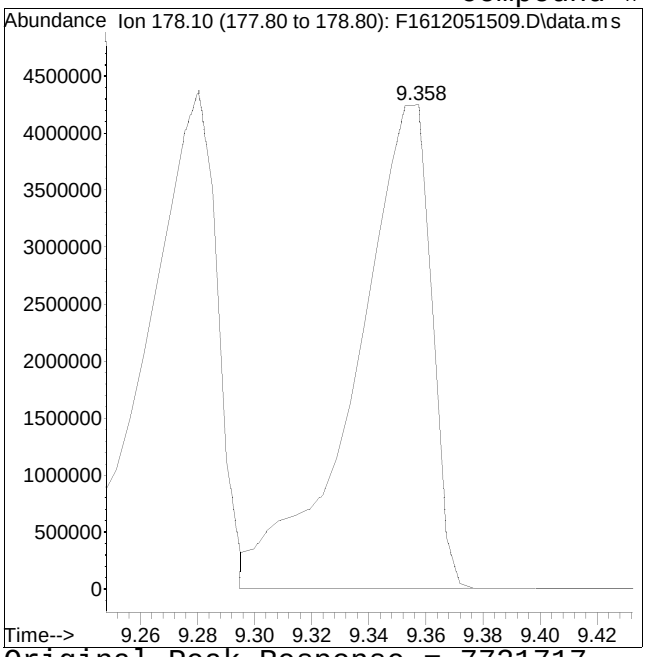
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

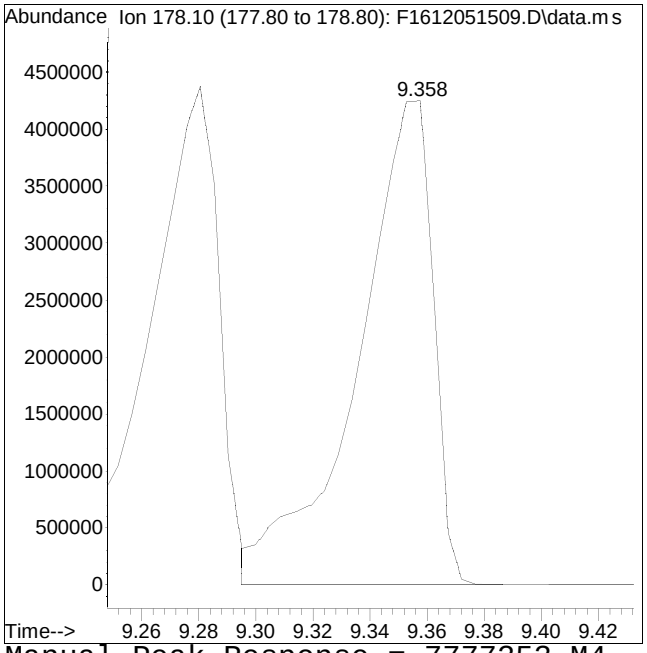
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051509.D
Date Inj'd : 12/5/2015 1:16 pm
Sample : I1612051508

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #72: Anthracene



Original Peak Response = 7721717



Manual Peak Response = 7777353 M4

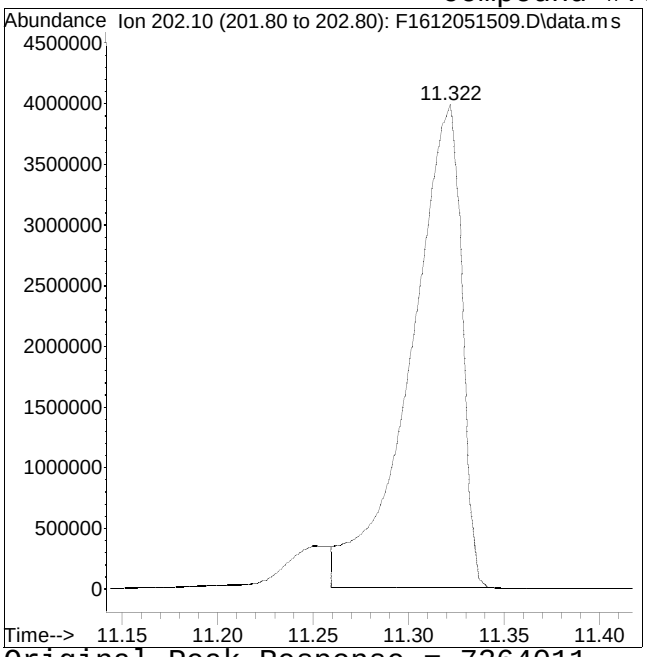
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

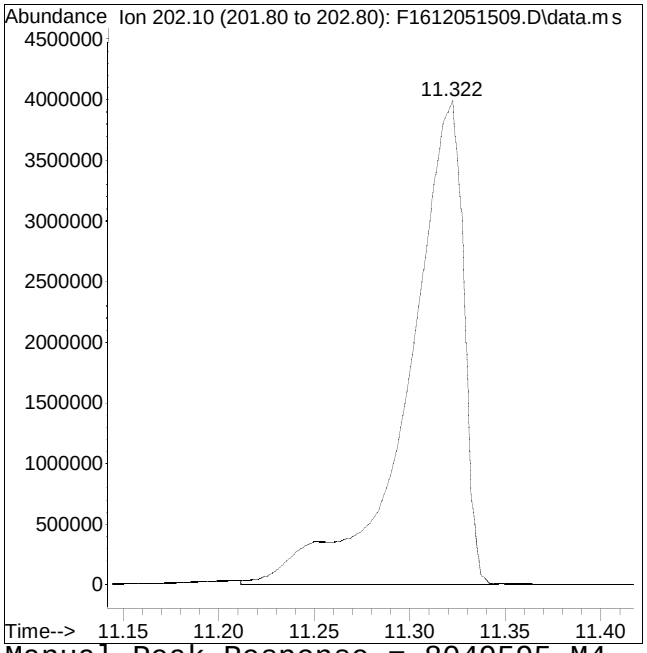
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051509.D
Date Inj'd : 12/5/2015 1:16 pm
Sample : I1612051508

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #75: Fluoranthene



Original Peak Response = 7364011



Manual Peak Response = 8049595 M4

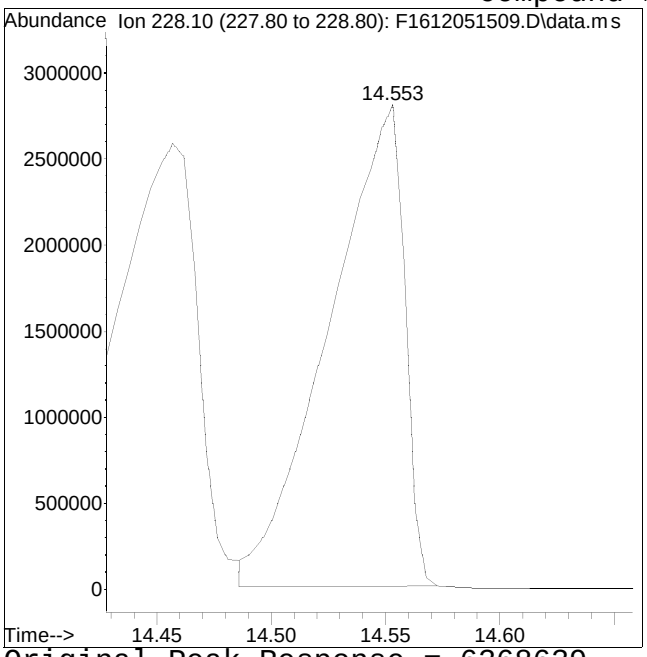
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

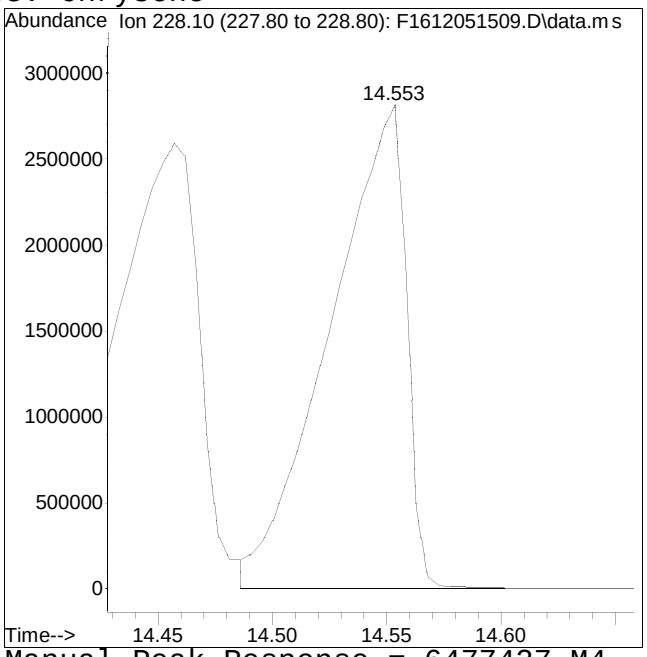
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051509.D
Date Inj'd : 12/5/2015 1:16 pm
Sample : I1612051508

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #83: Chrysene



Original Peak Response = 6368639



Manual Peak Response = 6477427 M4

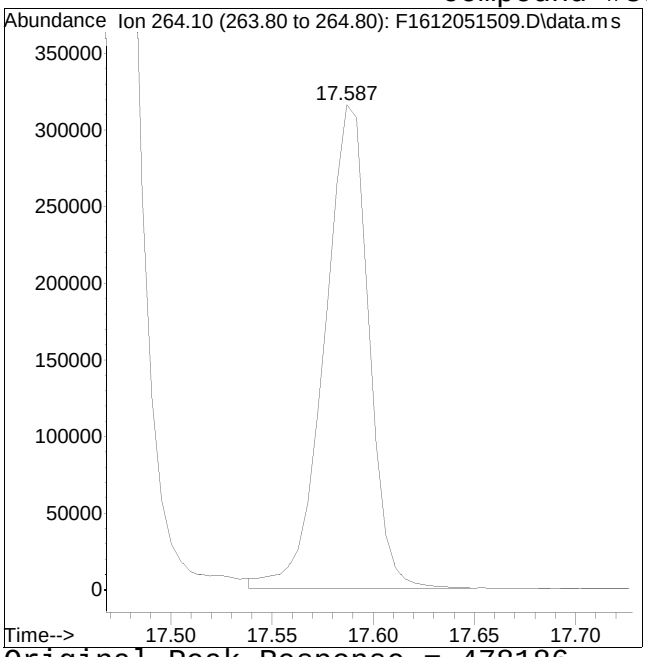
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

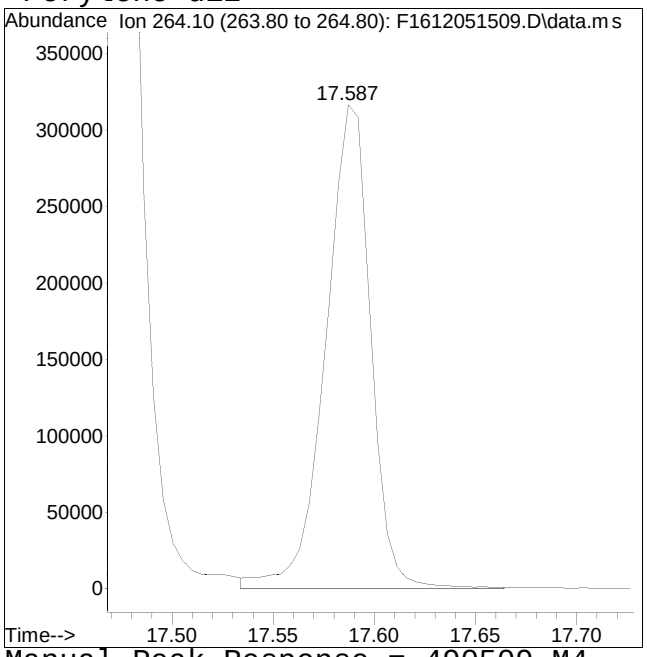
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051509.D
Date Inj'd : 12/5/2015 1:16 pm
Sample : I1612051508

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #85: Perylene-d12



Original Peak Response = 478186



Manual Peak Response = 490509 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051510.D
Acq On : 5 Dec 2015 1:45 pm
Operator : PAH16:JT
Sample : I1612051509
Misc : WG851800,MSAG59
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 17 15:56:25 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:56:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.590	152	254649	5.000	ug/mL	0.00
21) Naphthalene-d8	5.756	136	986487	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.455	164	437181	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.218	188	794969	5.000	ug/mL	0.00
76) Chrysene-d12	14.428	240	784710	5.000	ug/mL	0.00
85) Perylene-d12	17.553	264	713609	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.	d	
5) Benzaldehyde	4.220	77	27953M4	0.476	ug/ml	
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	4.947	105	42326	0.471	ug/ml#	83
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051510.D
Acq On : 5 Dec 2015 1:45 pm
Operator : PAH16:JT
Sample : I1612051509
Misc : WG851800,MSAG59
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 17 15:56:25 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:56:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.126	113	8464M4	0.419	ug/ml	
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	6.892	154	72301	0.522	ug/ml#	98
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D. d		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	8.842	200	13149	0.446	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051510.D
Acq On : 5 Dec 2015 1:45 pm
Operator : PAH16:JT
Sample : I1612051509
Misc : WG851800,MSAG59
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 17 15:56:25 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:56:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.		
72) Anthracene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.611	184	45437M4	0.574	ug/mL	
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.	d	
81) 3,3'-Dichlorobenzidine	14.447	252	26404M4	0.456	ug/mL	
82) Benz[a]anthracene	0.000		0	N.D.	d	
83) Chrysene	0.000		0	N.D.	d	
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D.	d	
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

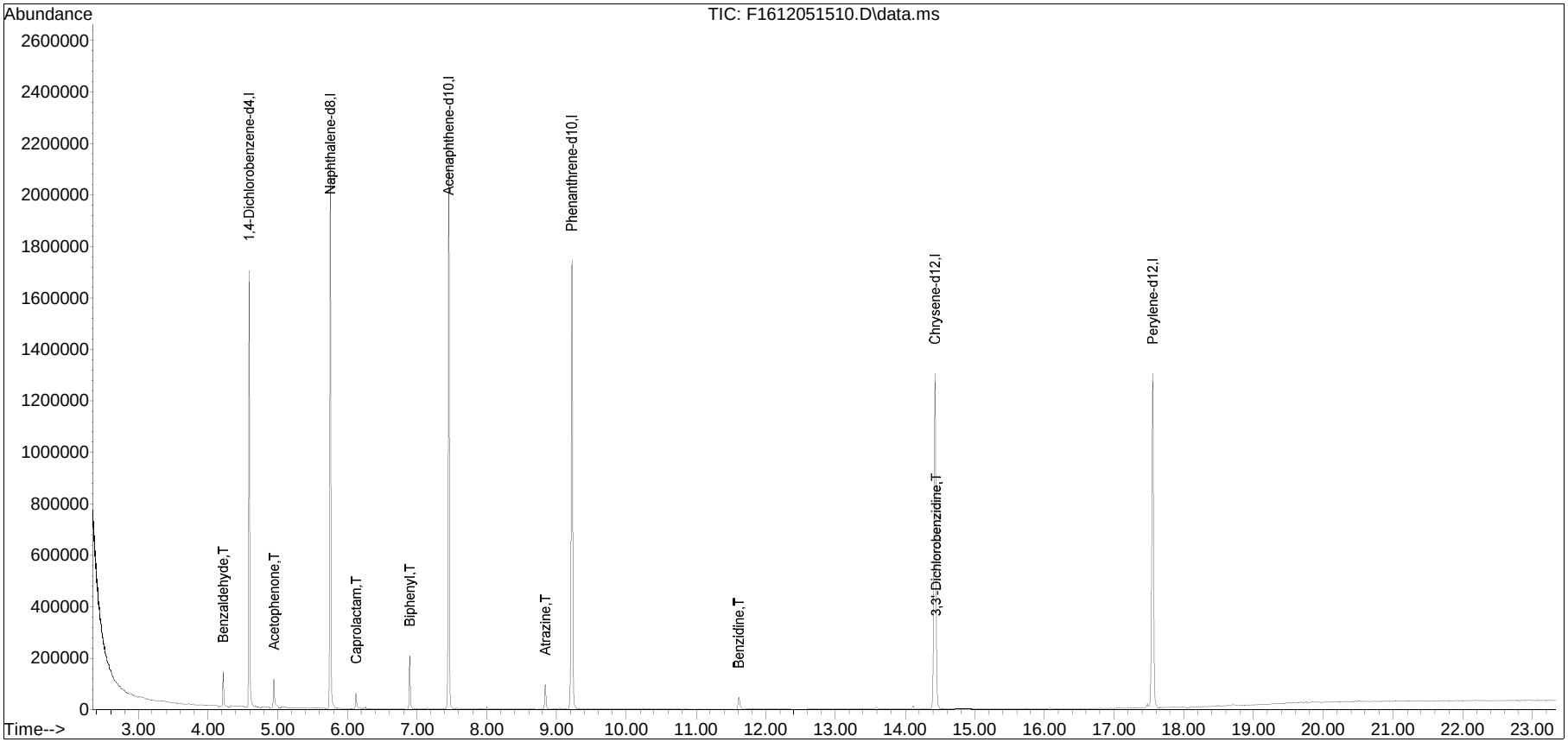
(#) = qualifier out of range (m) = manual integration (+) = signals summed

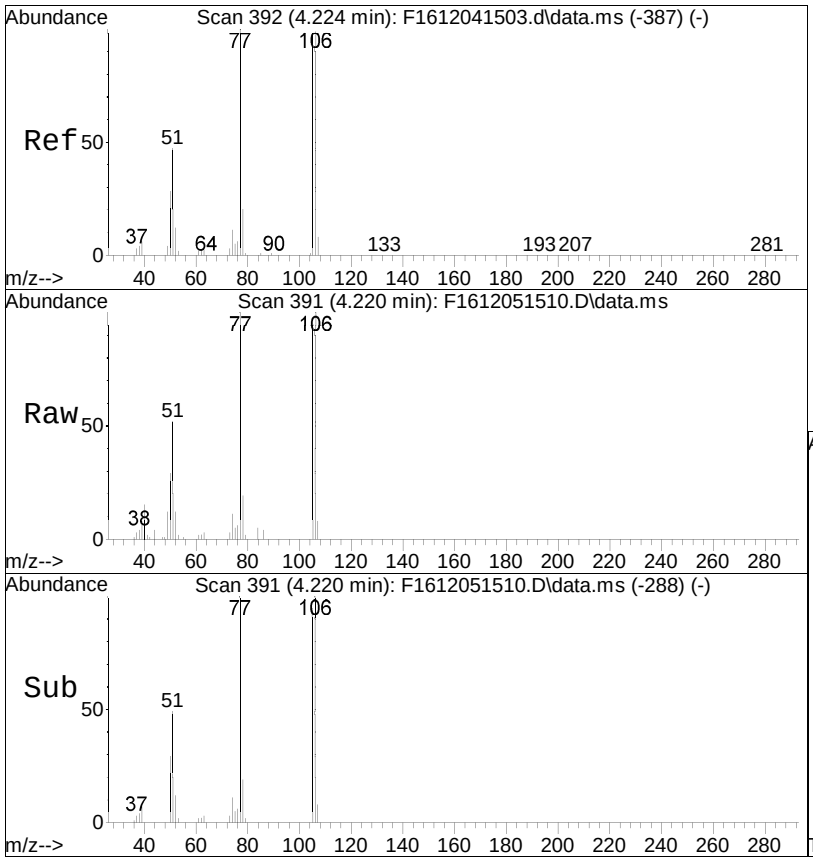
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051510.D
Acq On : 5 Dec 2015 1:45 pm
Operator : PAH16:JT
Sample : I1612051509
Misc : WG851800,MSAG59
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 17 15:56:25 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:56:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

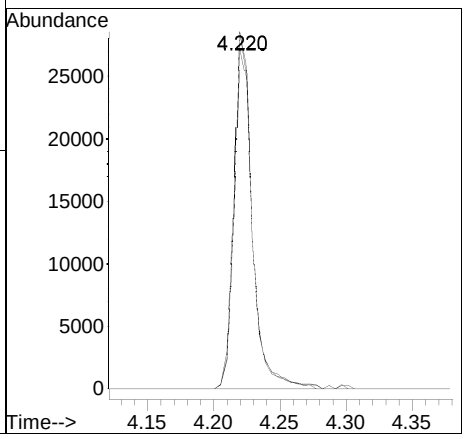


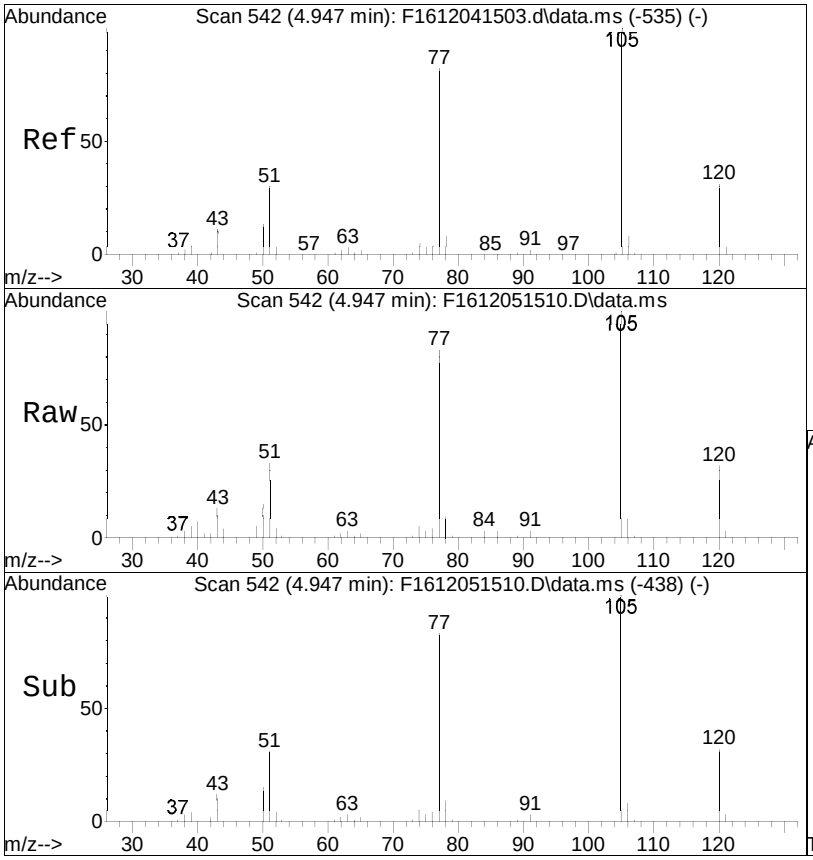


#5
Benzaldehyde
Concen: 0.48 ug/ml M4
RT: 4.220 min Scan# 391
Delta R.T. -0.004 min
Lab File: F1612051510.D
Acq: 5 Dec 2015 1:45 pm

Tgt Ion: 77 Resp: 27953

Ion	Ratio	Lower	Upper
77	100		
105	93.6	83.5	125.3
106	95.8	86.2	129.2

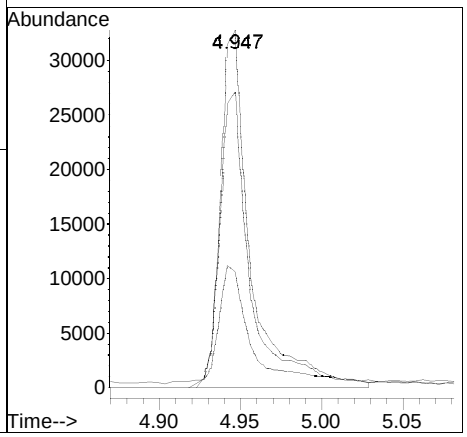


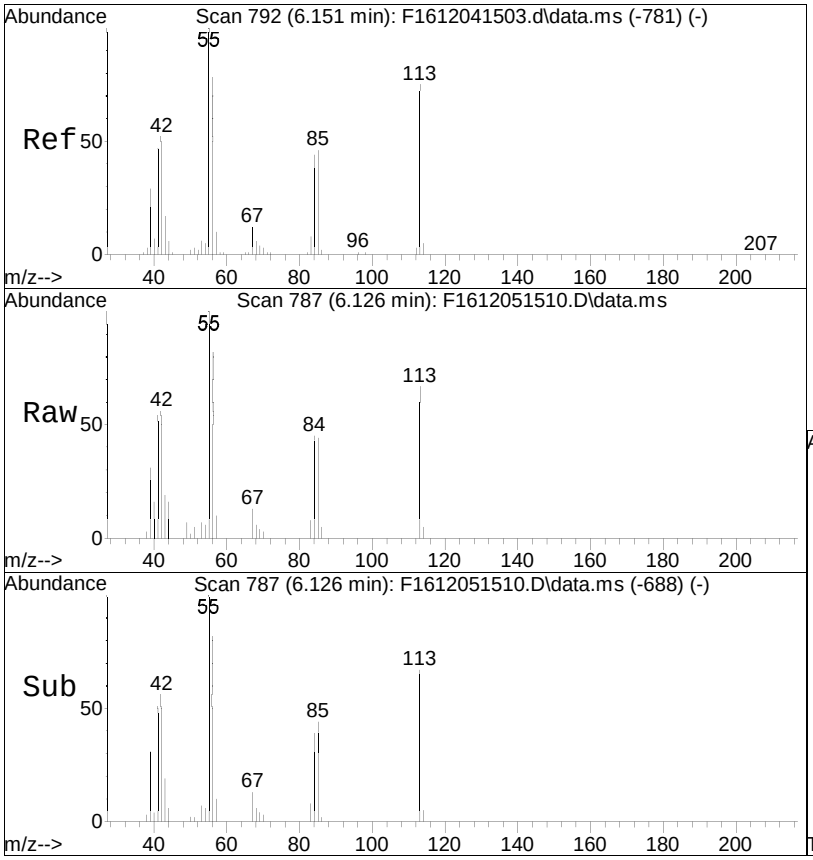


#17
Acetophenone
Concen: 0.47 ug/ml
RT: 4.947 min Scan# 542
Delta R.T. -0.000 min
Lab File: F1612051510.D
Acq: 5 Dec 2015 1:45 pm

Tgt Ion:105 Resp: 42326

Ion	Ratio	Lower	Upper
105	100		
77	84.4	57.8	86.6
51	32.8	16.7	25.1#

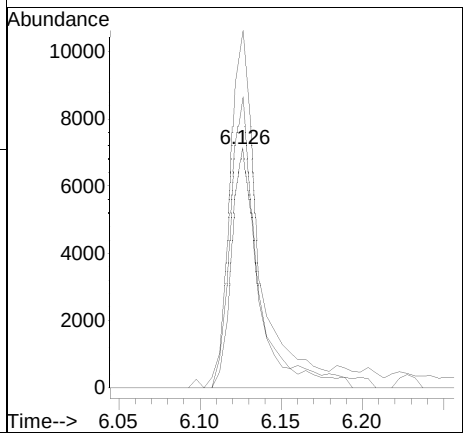


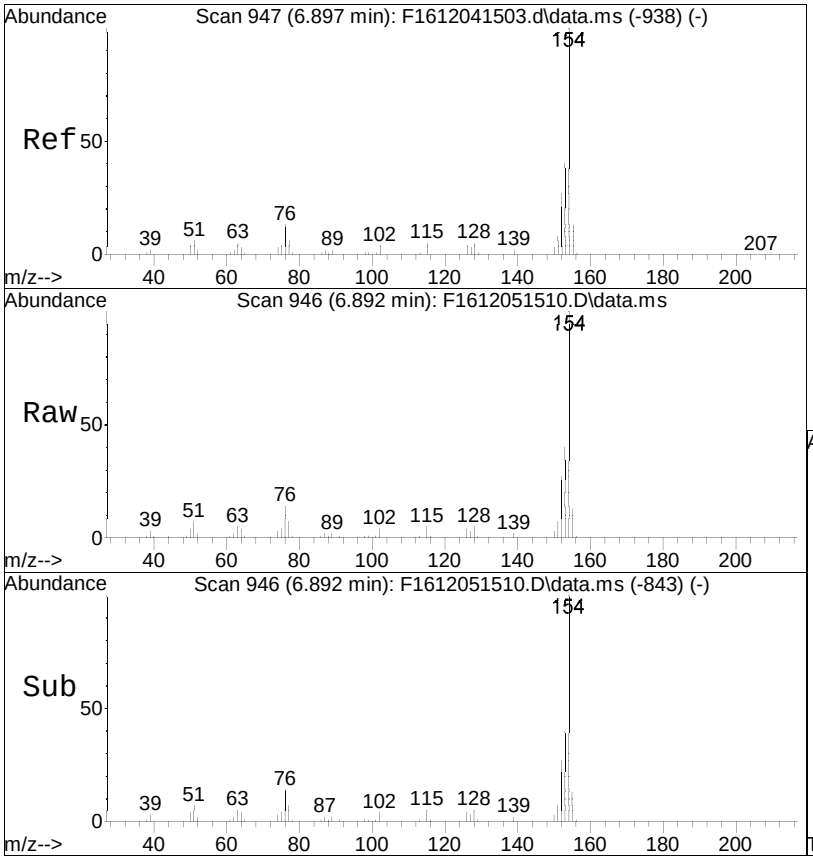


#35
Caprolactam
Concen: 0.42 ug/ml M4
RT: 6.126 min Scan# 787
Delta R.T. -0.025 min
Lab File: F1612051510.D
Acq: 5 Dec 2015 1:45 pm

Tgt Ion:113 Resp: 8464

Ion	Ratio	Lower	Upper
113	100		
55	156.3	77.0	115.4#
56	110.1	60.0	90.0#

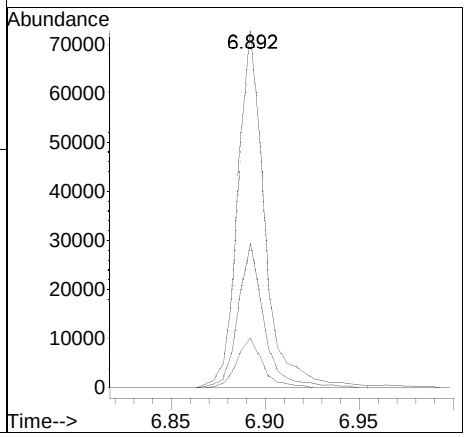


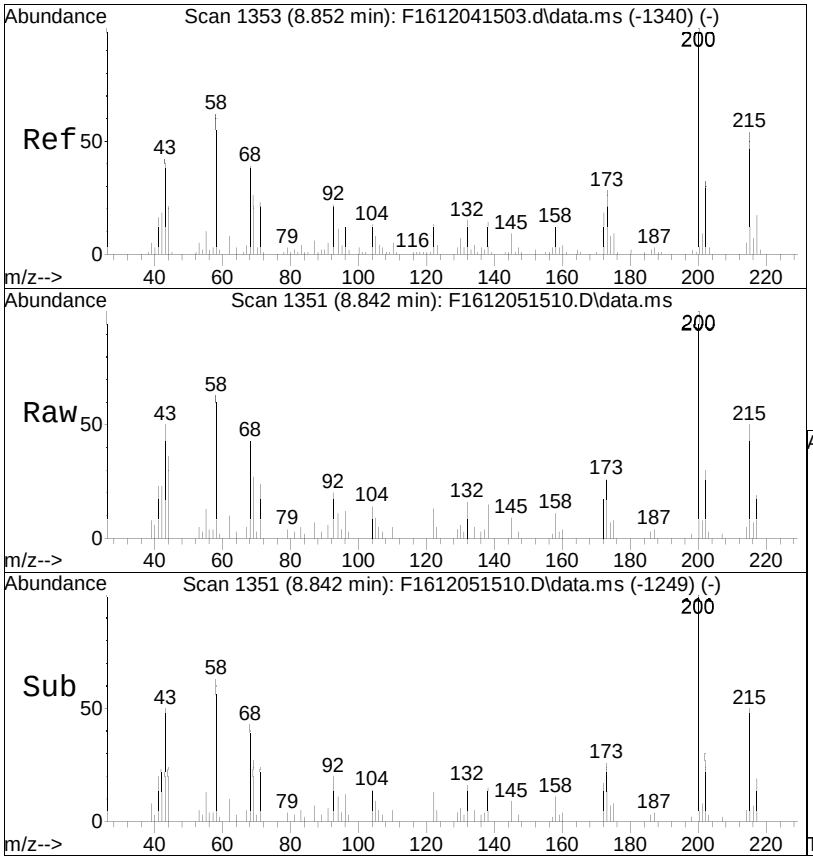


#44
Biphenyl
Concen: 0.52 ug/ml
RT: 6.892 min Scan# 946
Delta R.T. -0.005 min
Lab File: F1612051510.D
Acq: 5 Dec 2015 1:45 pm

Tgt Ion:154 Resp: 72301

Ion	Ratio	Lower	Upper
154	100		
153	39.2	31.1	46.7
76	13.6	8.8	13.2#

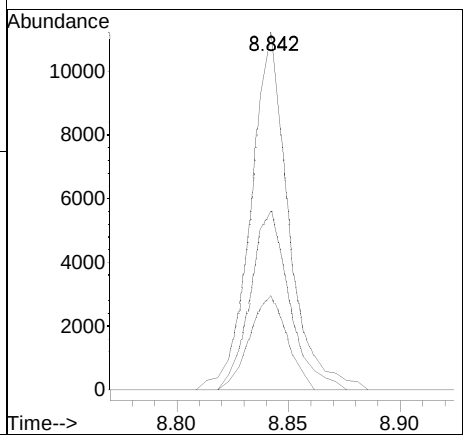


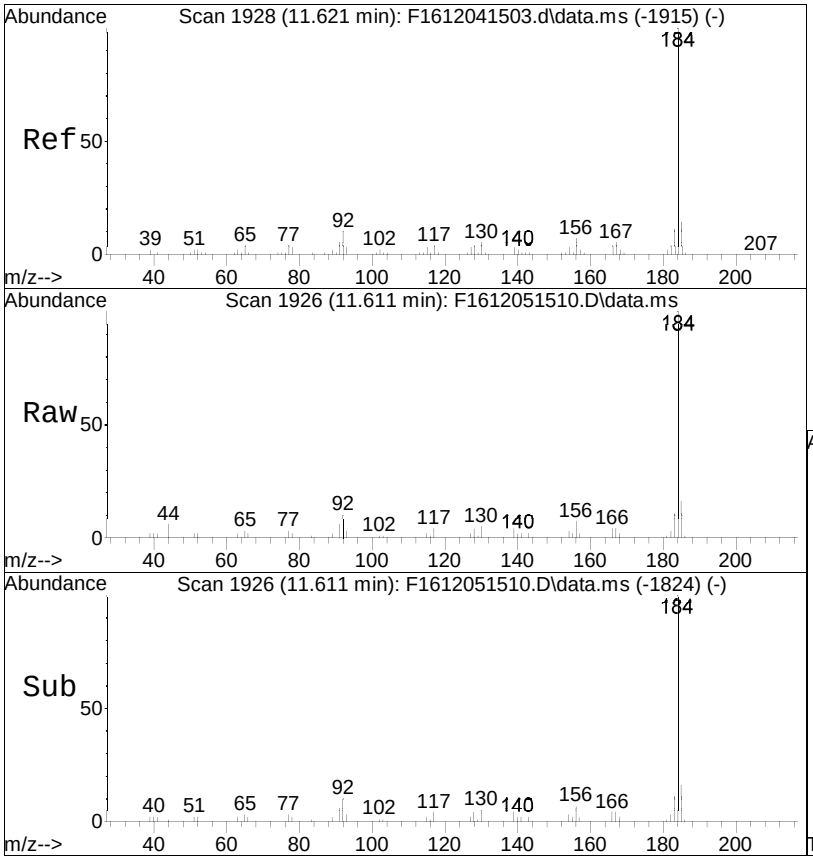


#68
Atrazine
Concen: 0.45 ug/ml
RT: 8.842 min Scan# 1351
Delta R.T. -0.010 min
Lab File: F1612051510.D
Acq: 5 Dec 2015 1:45 pm

Tgt Ion:200 Resp: 13149

Ion	Ratio	Lower	Upper
200	100		
173	26.3	22.6	33.8
215	52.0	42.6	64.0

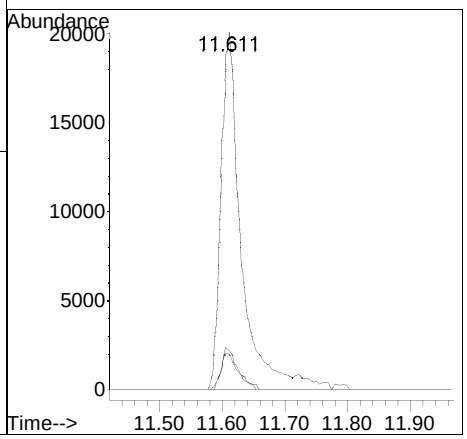


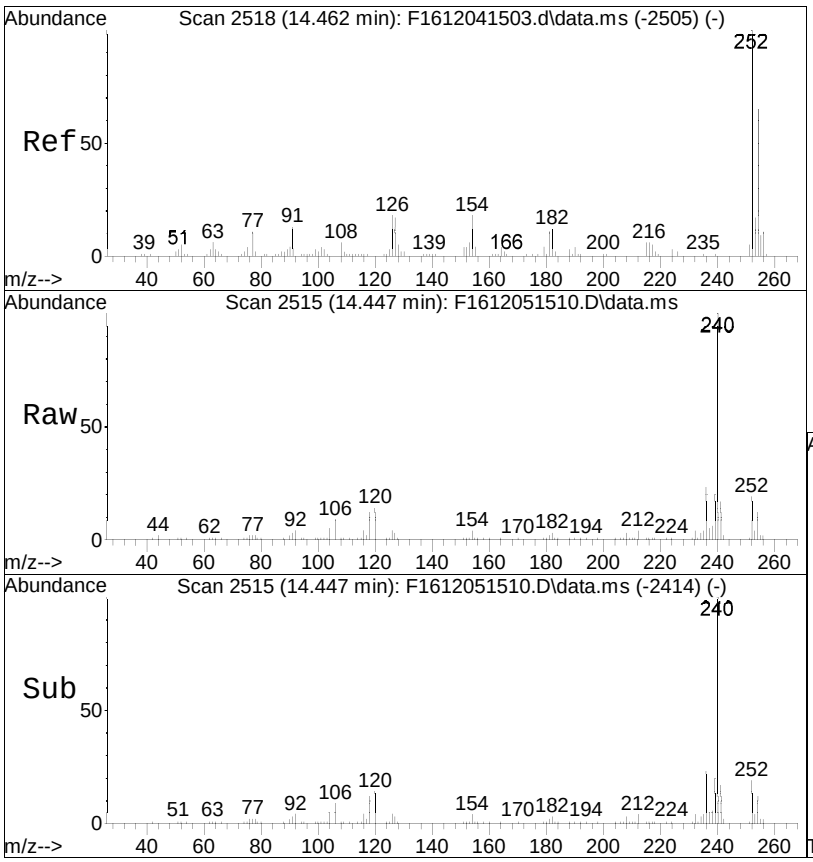


#77
Benzidine
Concen: 0.57 ug/mL M4
RT: 11.611 min Scan# 1926
Delta R.T. -0.010 min
Lab File: F1612051510.D
Acq: 5 Dec 2015 1:45 pm

Tgt Ion:184 Resp: 45437

Ion	Ratio	Lower	Upper
184	100		
183	9.3	9.0	13.6
92	9.0	7.0	10.4

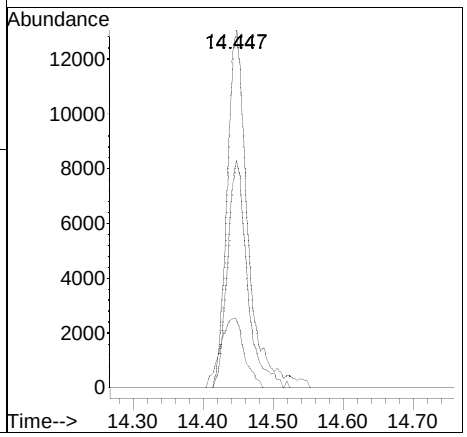




#81
3,3'-Dichlorobenzidine
Concen: 0.46 ug/mL M4
RT: 14.447 min Scan# 2515
Delta R.T. -0.015 min
Lab File: F1612051510.D
Acq: 5 Dec 2015 1:45 pm

Tgt Ion:252 Resp: 26404

Ion	Ratio	Lower	Upper
252	100		
254	60.8	51.5	77.3
126	22.9	11.9	17.9#

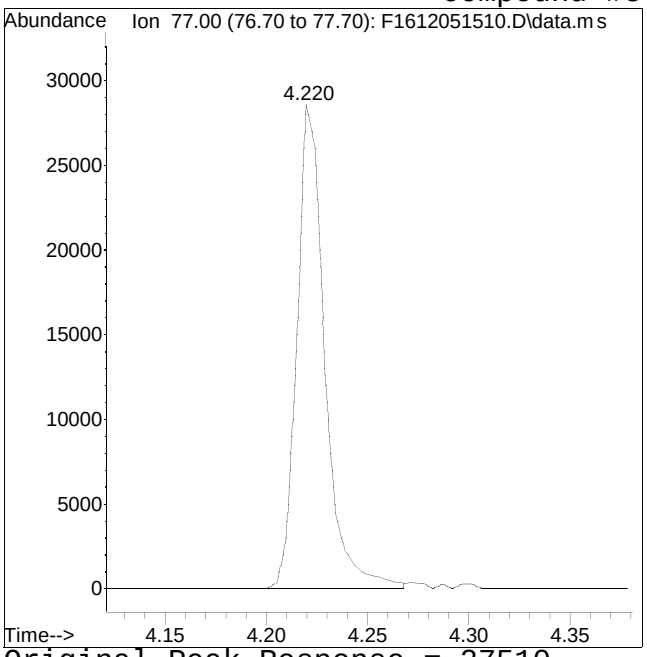


Manual Integration/Negative Proof Report

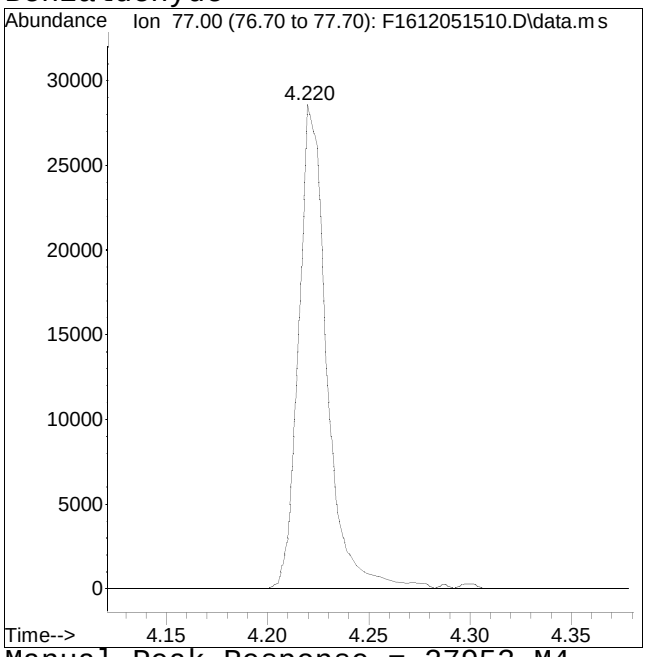
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051510.D
Date Inj'd : 12/5/2015 1:45 pm
Sample : I1612051509

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:56 pm

Compound #5: Benzaldehyde



Original Peak Response = 27510



Manual Peak Response = 27953 M4

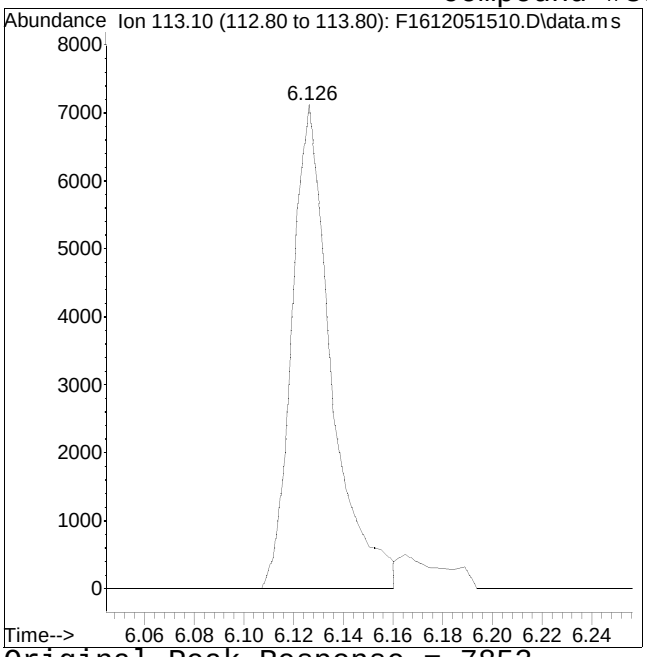
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

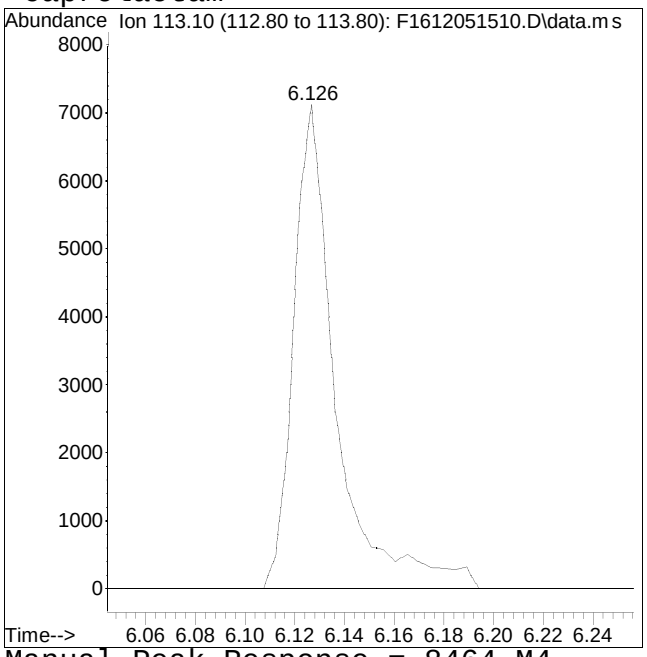
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051510.D
Date Inj'd : 12/5/2015 1:45 pm
Sample : I1612051509

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:56 pm

Compound #35: Caprolactam



Original Peak Response = 7853



Manual Peak Response = 8464 M4

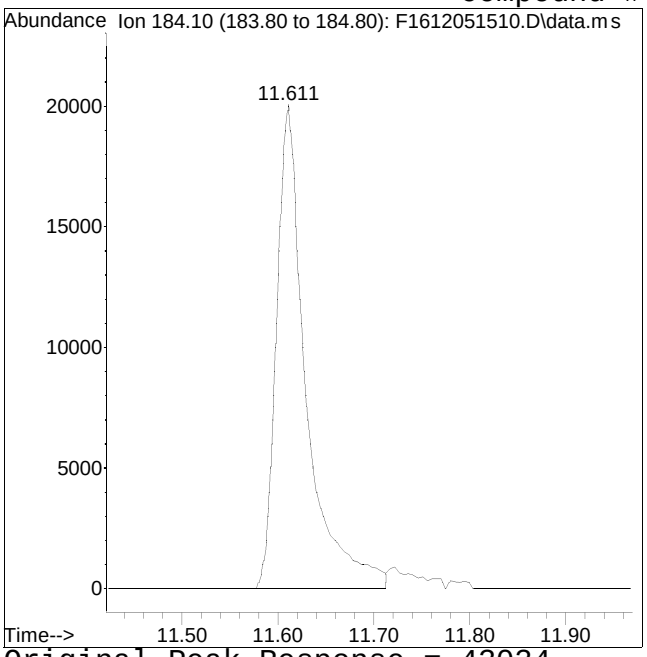
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

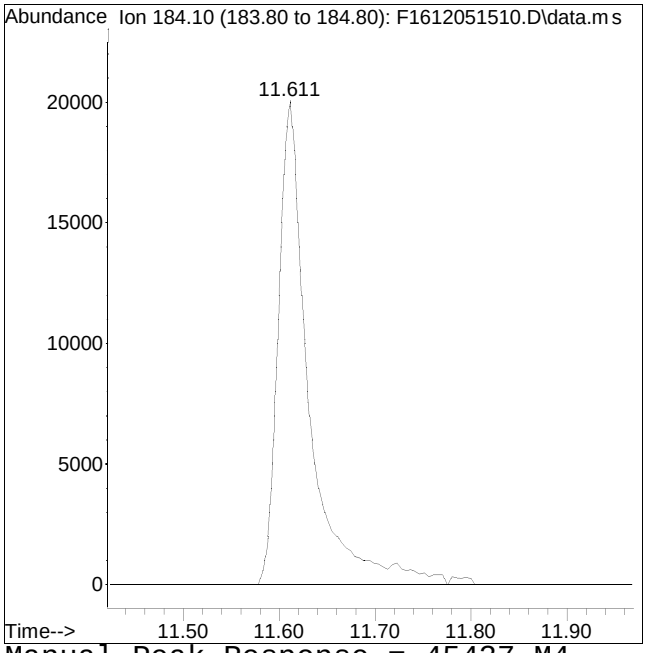
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051510.D
Date Inj'd : 12/5/2015 1:45 pm
Sample : I1612051509

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:56 pm

Compound #77: Benzidine



Original Peak Response = 43034



Manual Peak Response = 45437 M4

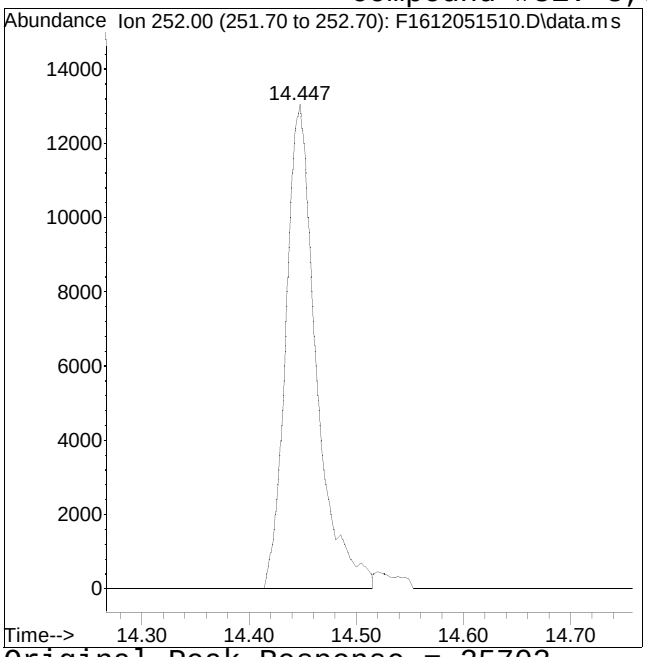
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

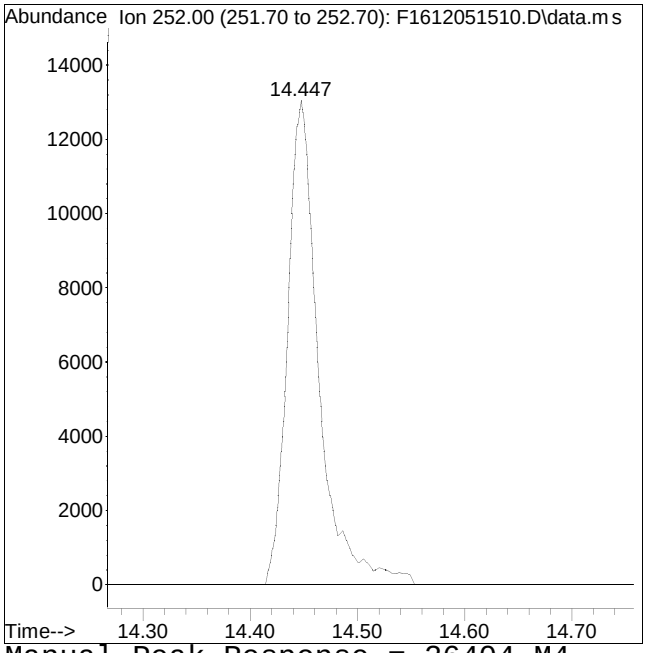
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051510.D
Date Inj'd : 12/5/2015 1:45 pm
Sample : I1612051509

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:56 pm

Compound #81: 3,3'-Dichlorobenzidine



Original Peak Response = 25703



Manual Peak Response = 26404 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051511.D
Acq On : 5 Dec 2015 2:14 pm
Operator : PAH16:JT
Sample : I1612051510
Misc : WG851800,MSAG58
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 17 15:07:07 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.590	152	254033	5.000	ug/mL	0.00
21) Naphthalene-d8	5.756	136	957744	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.456	164	455557	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.218	188	803671	5.000	ug/mL	0.00
76) Chrysene-d12	14.428	240	674692	5.000	ug/mL	0.00
85) Perylene-d12	17.553	264	589537	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.220	77	54721	1.132	ug/ml	88
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	4.947	105	79525	0.898	ug/ml#	88
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051511.D
Acq On : 5 Dec 2015 2:14 pm
Operator : PAH16:JT
Sample : I1612051510
Misc : WG851800,MSAG58
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 17 15:07:07 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.127	113	17814M4	0.942	ug/ml	
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	6.892	154	145143	0.922	ug/ml#	98
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D. d		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	8.842	200	26286	0.822	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051511.D
Acq On : 5 Dec 2015 2:14 pm
Operator : PAH16:JT
Sample : I1612051510
Misc : WG851800,MSAG58
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 17 15:07:07 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.		
72) Anthracene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.606	184	86358M4	1.158	ug/mL	
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	14.447	252	42566	0.859	ug/mL#	96
82) Benz[a]anthracene	0.000		0	N.D. d		
83) Chrysene	0.000		0	N.D. d		
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D. d		
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

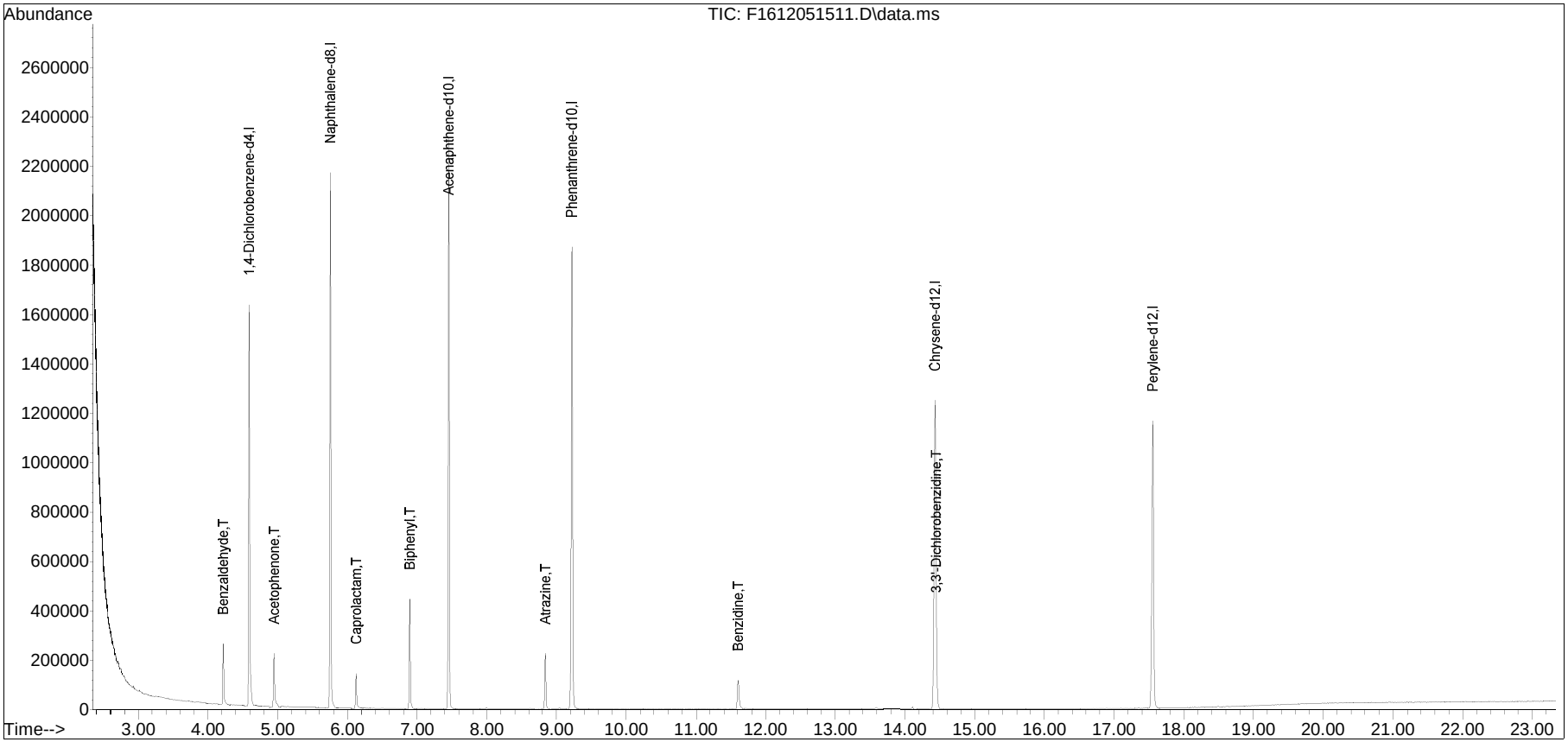
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051511.D
Acq On : 5 Dec 2015 2:14 pm
Operator : PAH16:JT
Sample : I1612051510
Misc : WG851800,MSAG58
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 17 15:07:07 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

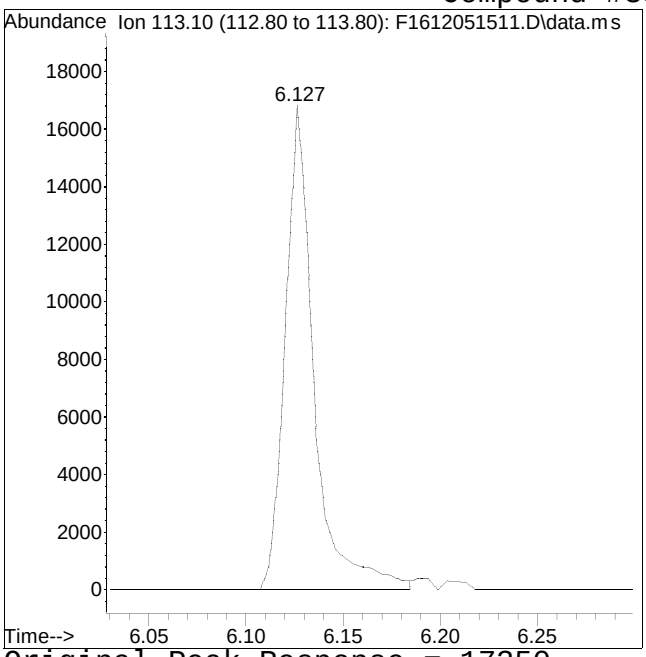


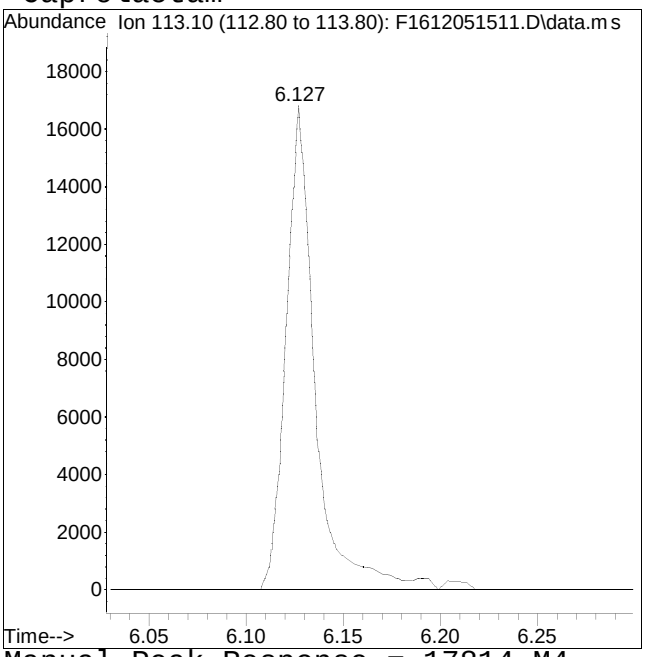
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051511.D
Date Inj'd : 12/5/2015 2:14 pm
Sample : I1612051510

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #35: Caprolactam





Original Peak Response = 17350 Manual Peak Response = 17814 M4

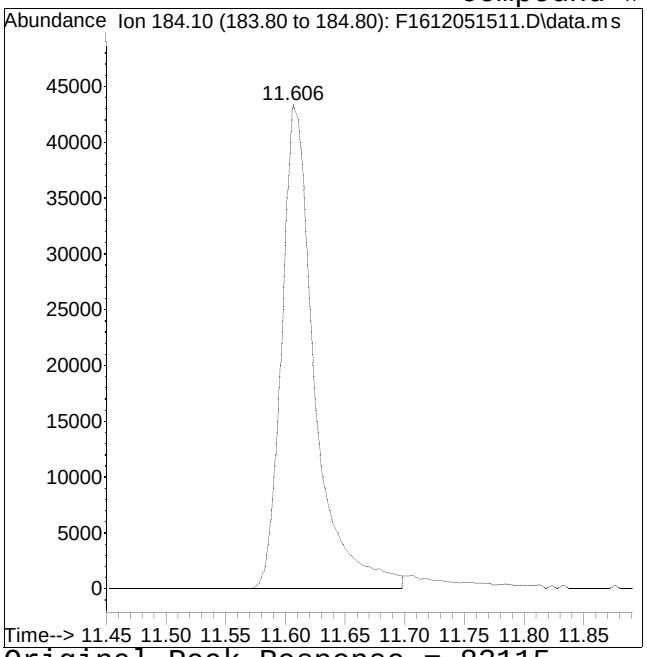
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

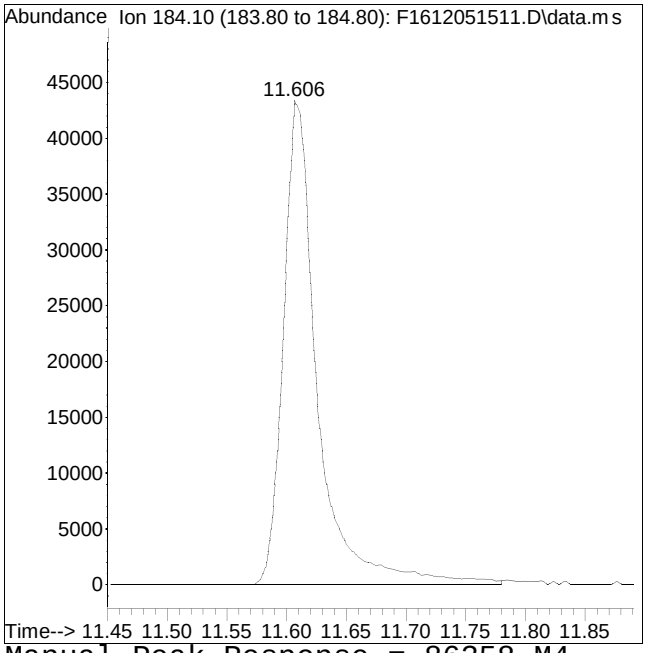
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051511.D
Date Inj'd : 12/5/2015 2:14 pm
Sample : I1612051510

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #77: Benzidine



Original Peak Response = 83115



Manual Peak Response = 86358 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051512.D
Acq On : 5 Dec 2015 2:43 pm
Operator : PAH16:JT
Sample : I1612051511
Misc : WG851800,MSAG57
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 17 15:07:31 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.590	152	251069	5.000	ug/mL	0.00
21) Naphthalene-d8	5.756	136	1032750	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.456	164	493076	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.218	188	921634	5.000	ug/mL	0.00
76) Chrysene-d12	14.428	240	814387	5.000	ug/mL	0.00
85) Perylene-d12	17.553	264	737128	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.220	77	111841	2.341	ug/ml	87
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	4.942	105	171211	1.955	ug/ml#	83
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051512.D
Acq On : 5 Dec 2015 2:43 pm
Operator : PAH16:JT
Sample : I1612051511
Misc : WG851800,MSAG57
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 17 15:07:31 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.127	113	39472	1.935	ug/ml#	47
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	6.892	154	278326	1.634	ug/ml#	97
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D. d		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	8.842	200	66327	1.810	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051512.D
Acq On : 5 Dec 2015 2:43 pm
Operator : PAH16:JT
Sample : I1612051511
Misc : WG851800,MSAG57
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 17 15:07:31 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.		
72) Anthracene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.606	184	248910M4	2.103	ug/mL	
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	14.447	252	119607M4	2.000	ug/mL	
82) Benz[a]anthracene	0.000		0	N.D.		d
83) Chrysene	0.000		0	N.D.		d
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.		d
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D.		d
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

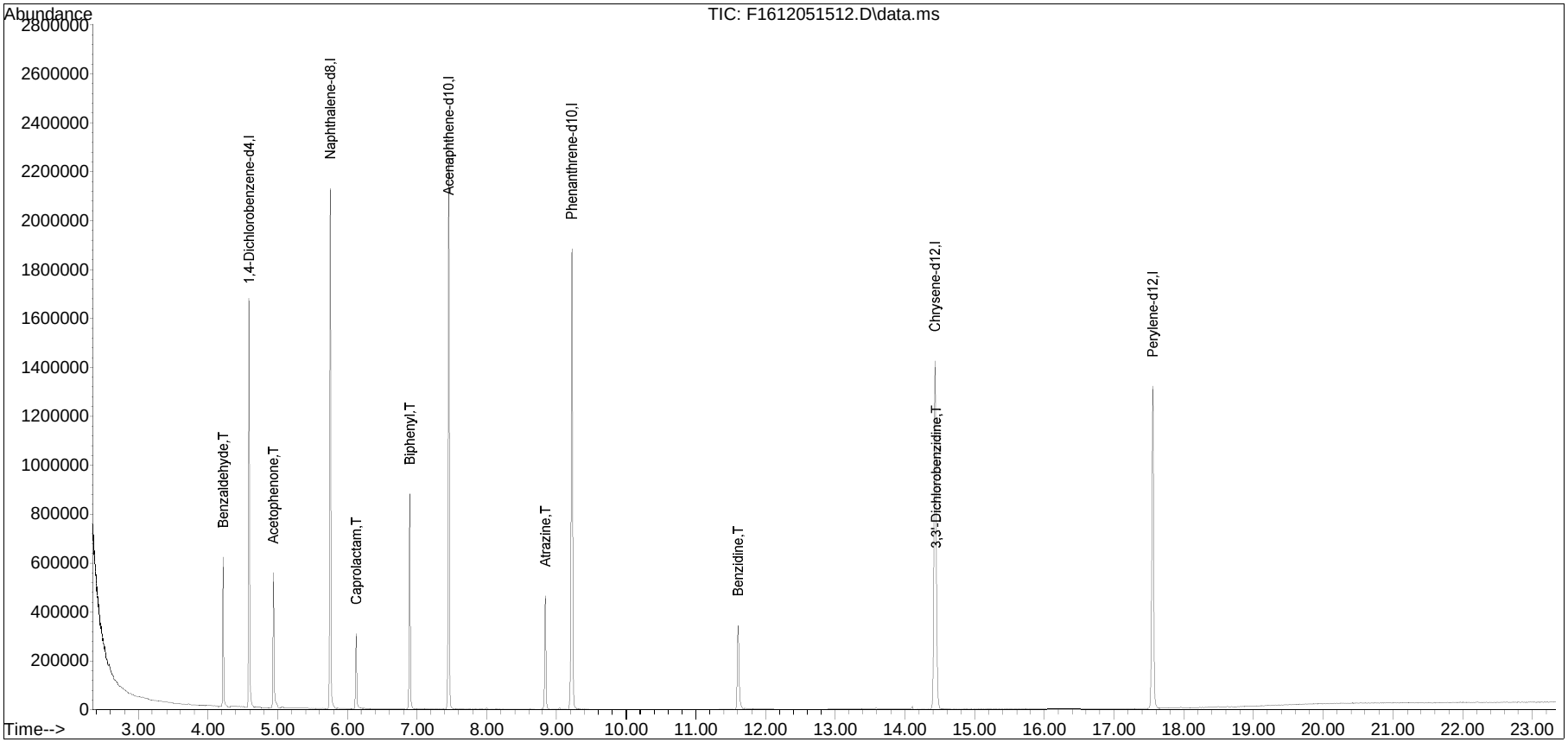
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051512.D
Acq On : 5 Dec 2015 2:43 pm
Operator : PAH16:JT
Sample : I1612051511
Misc : WG851800,MSAG57
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 17 15:07:31 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

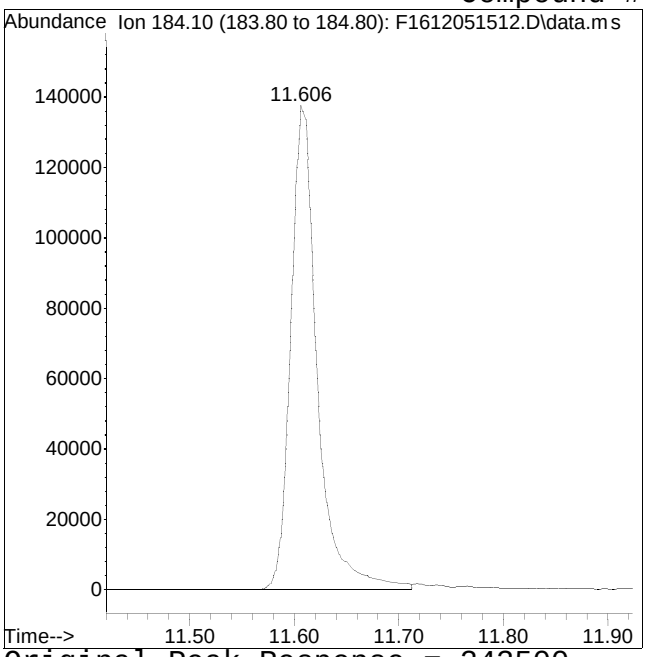


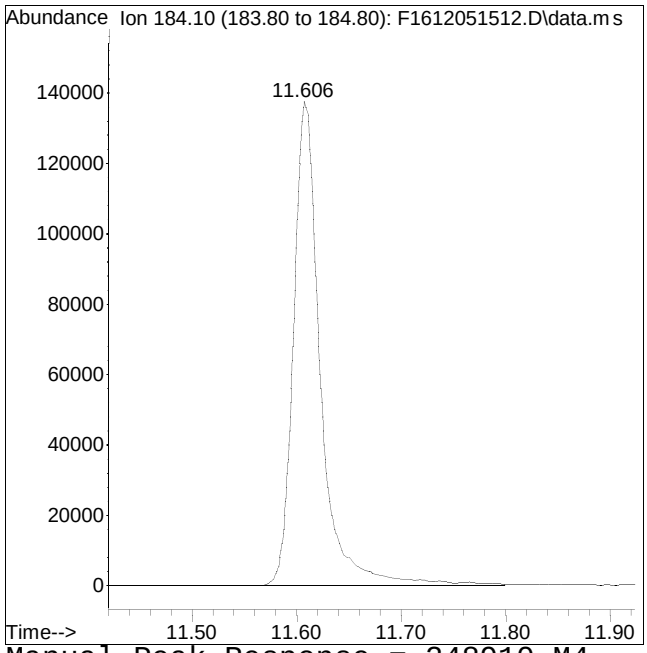
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051512.D
Date Inj'd : 12/5/2015 2:43 pm
Sample : I1612051511

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #77: Benzidine





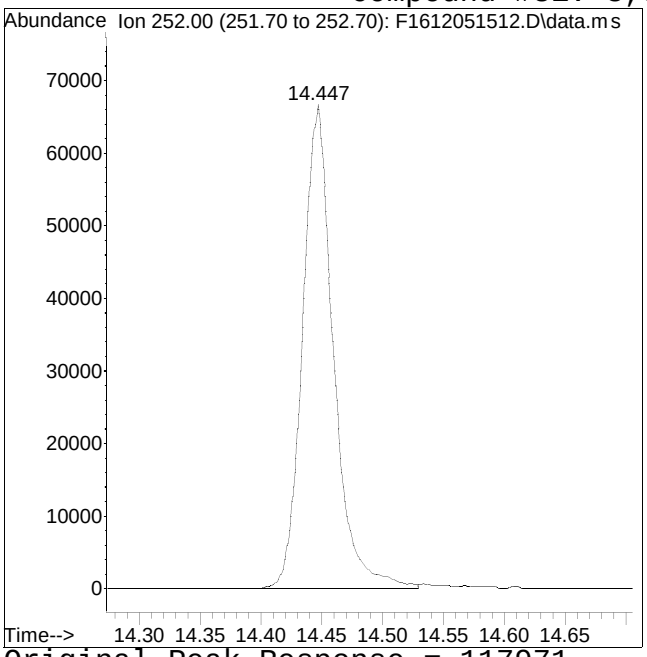
Original Peak Response = 243500 Manual Peak Response = 248910 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

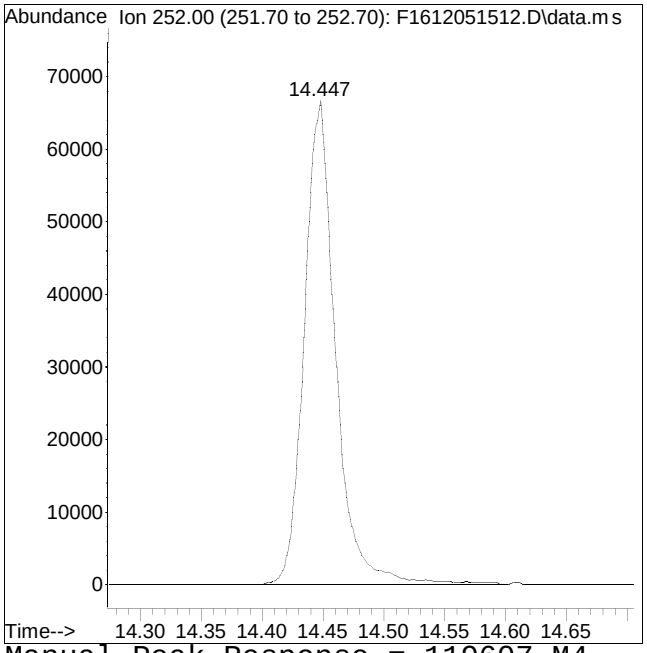
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051512.D
Date Inj'd : 12/5/2015 2:43 pm
Sample : I1612051511

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/7/2015 12:04 pm

Compound #81: 3,3'-Dichlorobenzidine



Original Peak Response = 117971



Manual Peak Response = 119607 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051513.D
Acq On : 5 Dec 2015 3:12 pm
Operator : PAH16:JT
Sample : I1612051512
Misc : WG851800,MSAG56
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 07 16:43:33 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 07 13:52:46 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.590	152	242926	5.000	ug/mL	0.00
21) Naphthalene-d8	5.756	136	943176	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.455	164	439391	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.218	188	800530	5.000	ug/mL	0.00
76) Chrysene-d12	14.428	240	667080	5.000	ug/mL	0.00
85) Perylene-d12	17.553	264	569019	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.220	77	281851	5.062	ug/ml	88
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.	d	
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	4.947	105	433627	5.061	ug/ml#	82
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051513.D
Acq On : 5 Dec 2015 3:12 pm
Operator : PAH16:JT
Sample : I1612051512
Misc : WG851800,MSAG56
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 07 16:43:33 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 07 13:52:46 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.136	113	98885	5.182	ug/ml#	39
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	6.892	154	689723	4.952	ug/ml#	97
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D. d		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	8.847	200	146727	4.938	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051513.D
Acq On : 5 Dec 2015 3:12 pm
Operator : PAH16:JT
Sample : I1612051512
Misc : WG851800,MSAG56
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 07 16:43:33 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 07 13:52:46 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.		
72) Anthracene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.611	184	582863	4.527	ug/mL	98
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	14.447	252	248563	5.015	ug/mL#	97
82) Benz[a]anthracene	0.000		0	N.D. d		
83) Chrysene	0.000		0	N.D. d		
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D. d		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D. d		
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

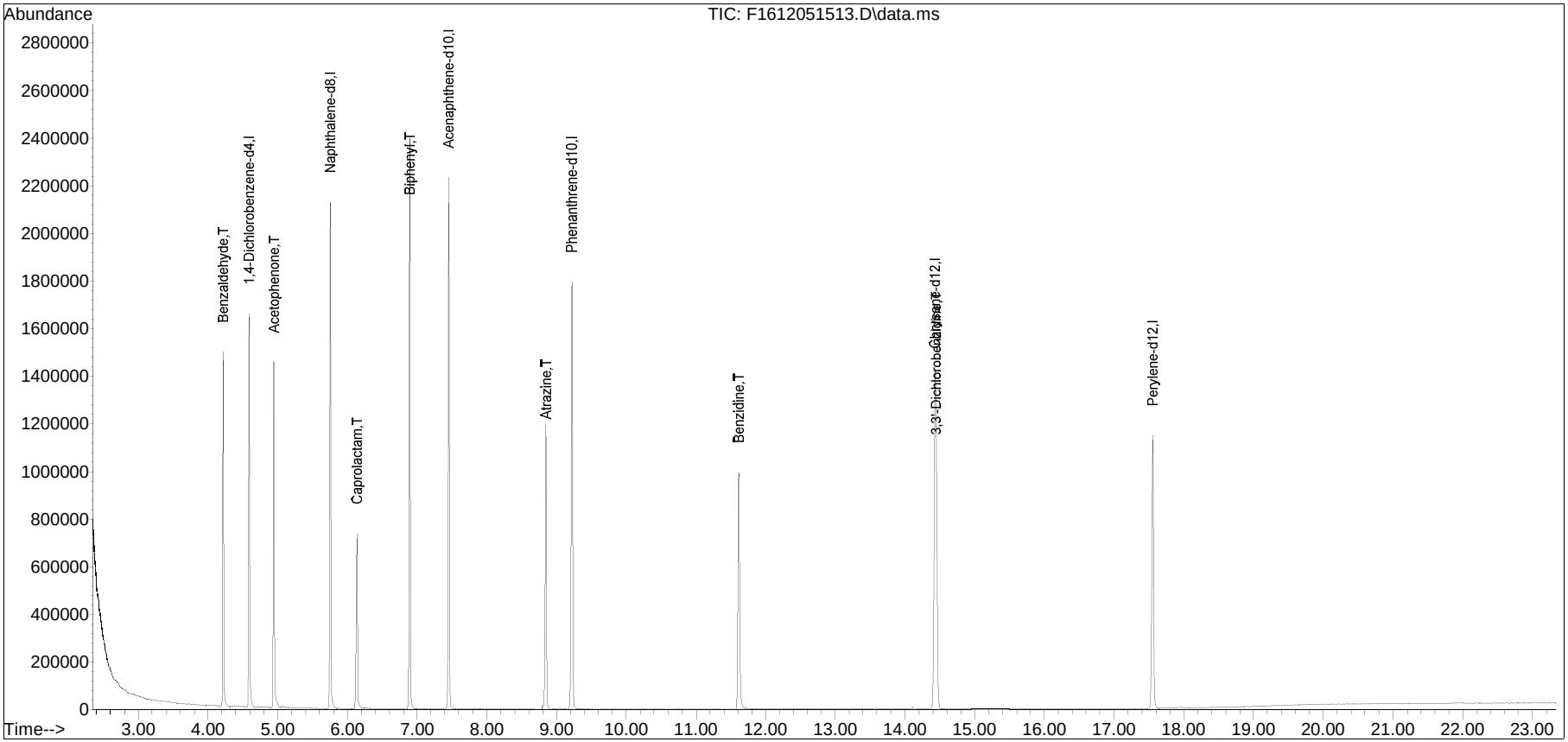
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051513.D
Acq On : 5 Dec 2015 3:12 pm
Operator : PAH16:JT
Sample : I1612051512
Misc : WG851800,MSAG56
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 07 16:43:33 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 07 13:52:46 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH16\2015Q	Method	: SV1205PAH16.M
Data File	: F1612051513.D	Operator	: PAH16:JT
Date Inj'd	: 12/5/2015 3:12 pm	Instrument	: PAH16
Sample	: I1612051512	Quant Date	: 12/7/2015 1:52 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051514.D
Acq On : 5 Dec 2015 3:41 pm
Operator : PAH16:JT
Sample : I1612051513
Misc : WG851800,MSAG55
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 17 15:56:54 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:56:58 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.590	152	228120	5.000	ug/mL	0.00
21) Naphthalene-d8	5.756	136	891518	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.455	164	419638	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.218	188	753767	5.000	ug/mL	0.00
76) Chrysene-d12	14.428	240	635596	5.000	ug/mL	0.00
85) Perylene-d12	17.553	264	543519	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.	d	
5) Benzaldehyde	4.224	77	575611	10.944	ug/ml	87
6) Aniline	0.000		0	N.D.	d	
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.	d	
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	4.947	105	891986	11.087	ug/ml#	83
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051514.D
Acq On : 5 Dec 2015 3:41 pm
Operator : PAH16:JT
Sample : I1612051513
Misc : WG851800,MSAG55
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 17 15:56:54 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:56:58 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
24) Isophorone	0.000		0	N.D.			
25) 2-Nitrophenol	0.000		0	N.D.			
26) 2,4-Dimethylphenol	0.000		0	N.D.			
27) Benzoic acid	0.000		0	N.D.			
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.			
29) 2,4-Dichlorophenol	0.000		0	N.D.			
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.			
31) Naphthalene	0.000		0	N.D.			
32) 2-Chloroaniline	0.000		0	N.D.			
33) 4-Chloroaniline	0.000		0	N.D.			
34) Hexachlorobutadiene	0.000		0	N.D.			
35) Caprolactam	6.146	113	209848	11.494	ug/ml	#	43
36) 4-Chloro-3-methylphenol	0.000		0	N.D.			
37) 2-Methylnaphthalene	0.000		0	N.D.			
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.			
40) Hexachlorocyclopentadiene	0.000		0	N.D.			
41) 2,4,6-Trichlorophenol	0.000		0	N.D.			
42) 2,4,5-Trichlorophenol	0.000		0	N.D.			
44) Biphenyl	6.892	154	1431796	10.763	ug/ml	#	97
45) 2-Chloronaphthalene	0.000		0	N.D.			
46) 2-Nitroaniline	0.000		0	N.D.	d		
47) Acenaphthylene	0.000		0	N.D.			
48) Dimethylphthalate	0.000		0	N.D.			
49) 2,6-Dinitrotoluene	0.000		0	N.D.			
50) Acenaphthene	0.000		0	N.D.			
51) 3-Nitroaniline	0.000		0	N.D.			
52) 2,4-Dinitrophenol	0.000		0	N.D.			
53) Dibenzofuran	0.000		0	N.D.			
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.			
55) 2,4-Dinitrotoluene	0.000		0	N.D.			
56) 4-Nitrophenol	0.000		0	N.D.			
57) Fluorene	0.000		0	N.D.			
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.			
59) Diethylphthalate	0.000		0	N.D.			
60) 4-Nitroaniline	0.000		0	N.D.			
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.			
63) Azobenzene	0.000		0	N.D.			
64) n-Nitrosodiphenylamine	0.000		0	N.D.			
66) 4-Bromophenyl-phenylether	0.000		0	N.D.			
67) Hexachlorobenzene	0.000		0	N.D.			
68) Atrazine	8.852	200	309925	11.077	ug/ml		99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051514.D
Acq On : 5 Dec 2015 3:41 pm
Operator : PAH16:JT
Sample : I1612051513
Misc : WG851800,MSAG55
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 17 15:56:54 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:56:58 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.		
72) Anthracene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.616	184	1261449	10.390	ug/mL#	98
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	14.452	252	531866	11.330	ug/mL#	97
82) Benz[a]anthracene	0.000		0	N.D.	d	
83) Chrysene	0.000		0	N.D.	d	
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.	d	
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D.	d	
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

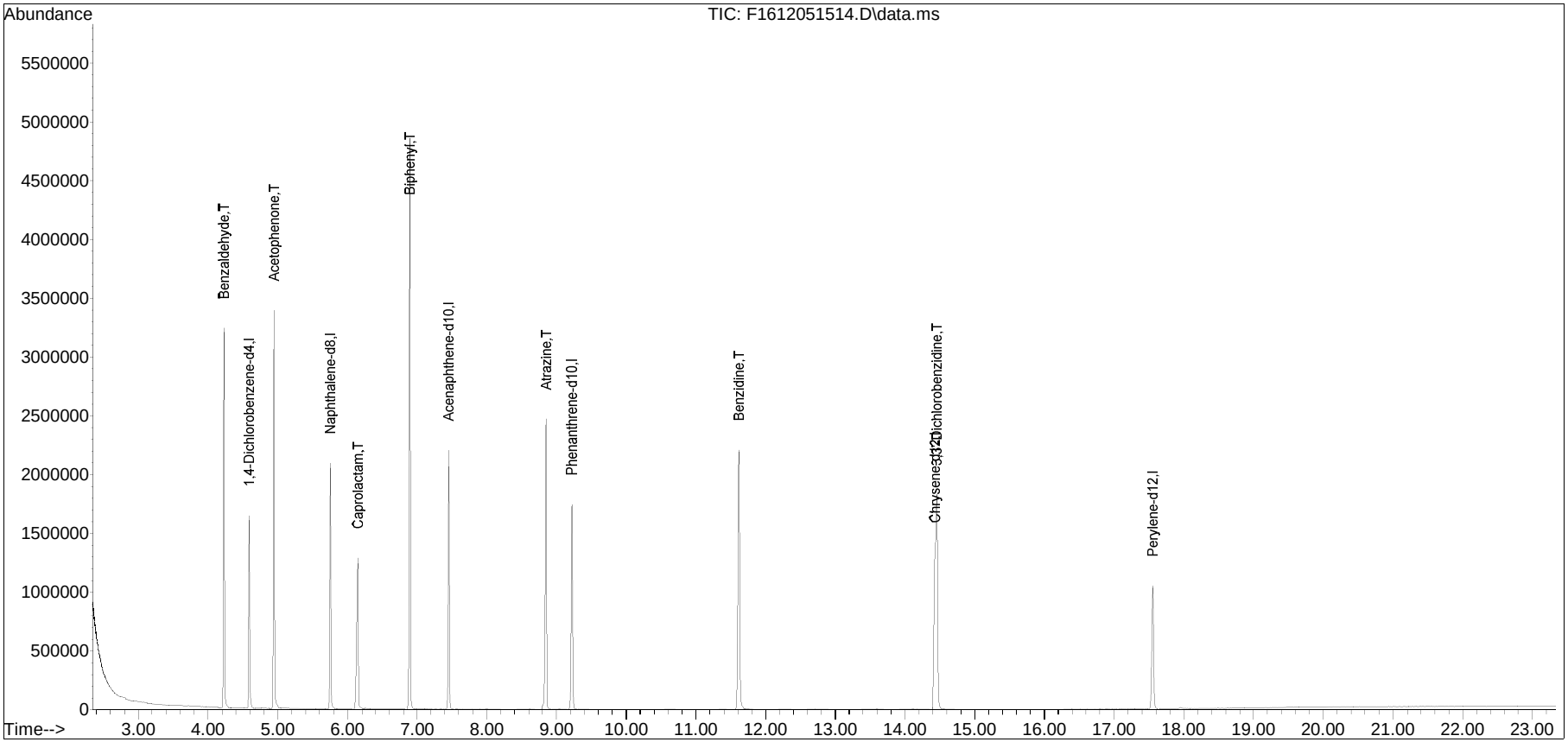
(#) = qualifier out of range (m) = manual integration (+) = signals summed

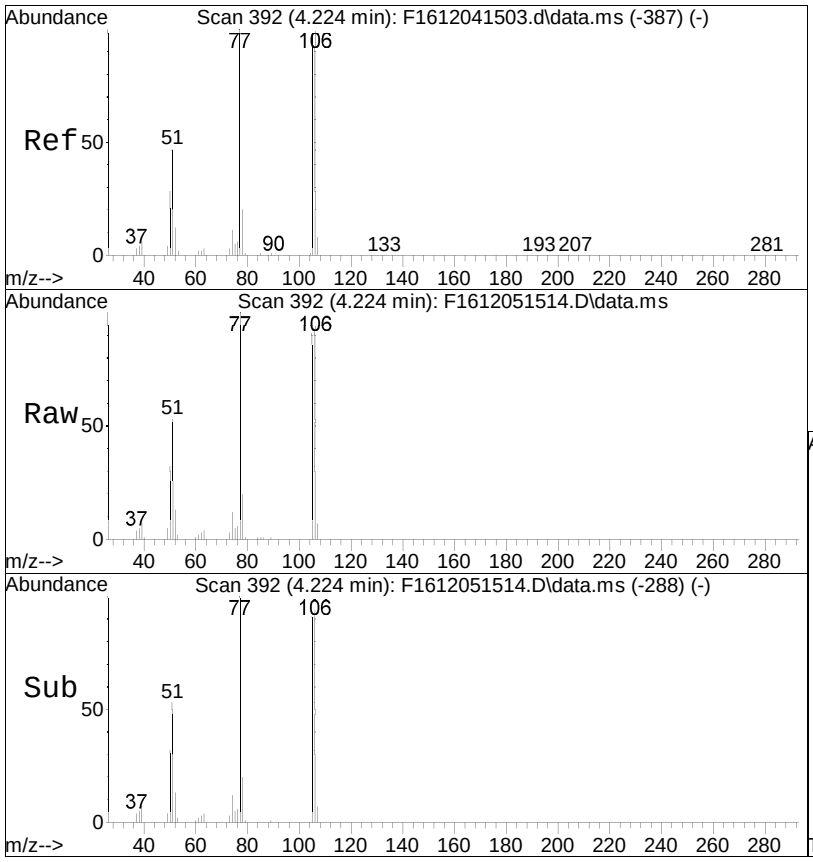
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051514.D
Acq On : 5 Dec 2015 3:41 pm
Operator : PAH16:JT
Sample : I1612051513
Misc : WG851800,MSAG55
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 17 15:56:54 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:56:58 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

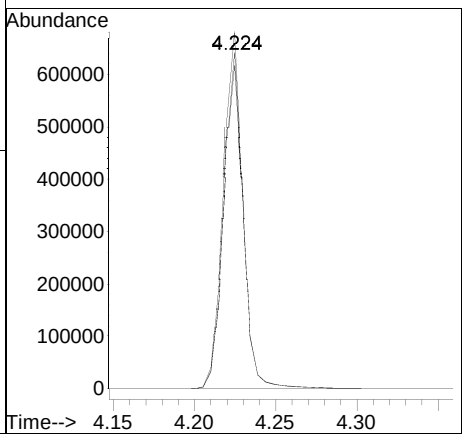


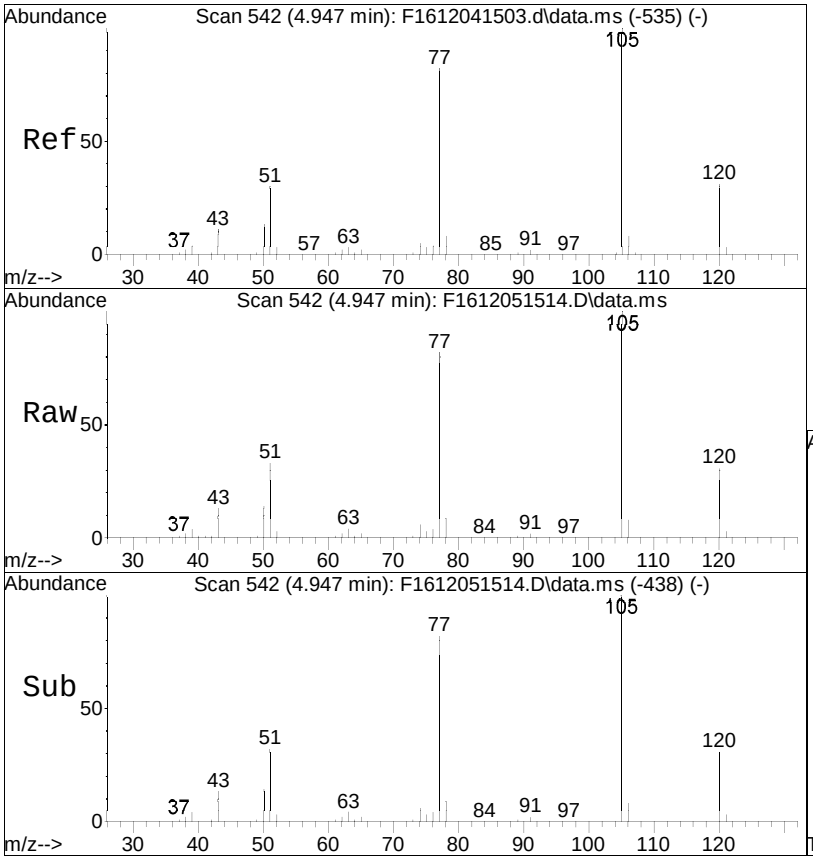


#5
Benzaldehyde
Concen: 10.94 ug/ml
RT: 4.224 min Scan# 392
Delta R.T. 0.000 min
Lab File: F1612051514.D
Acq: 5 Dec 2015 3:41 pm

Tgt Ion: 77 Resp: 575611

Ion	Ratio	Lower	Upper
77	100		
105	91.4	83.5	125.3
106	93.9	86.2	129.2

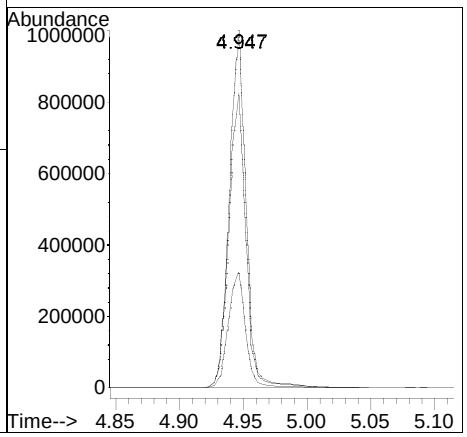


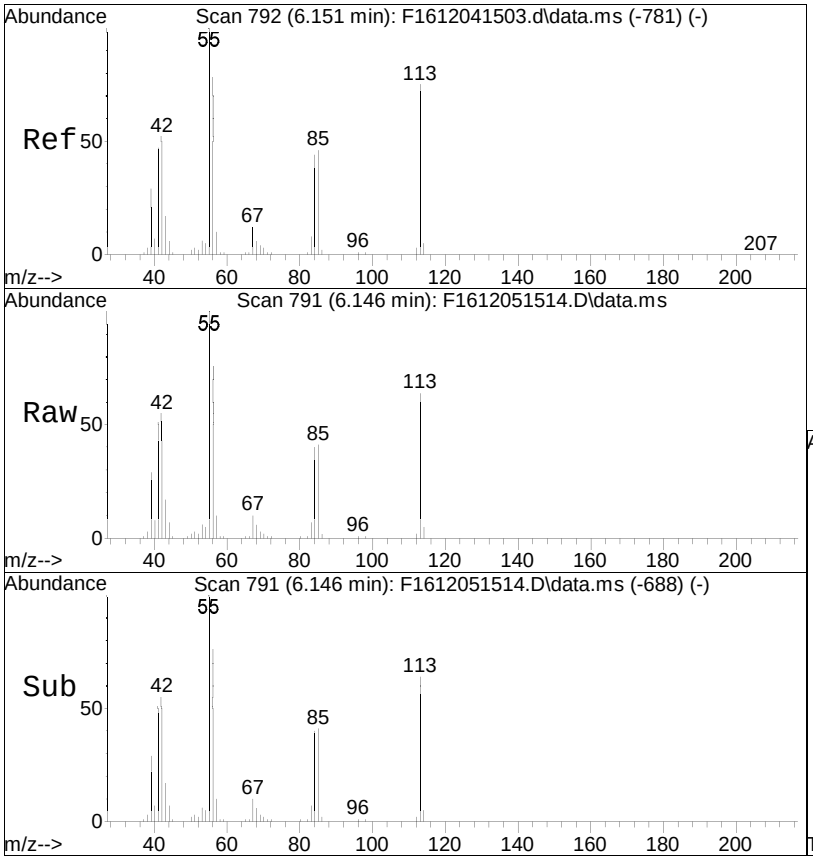


#17
Acetophenone
Concen: 11.09 ug/ml
RT: 4.947 min Scan# 542
Delta R.T. -0.000 min
Lab File: F1612051514.D
Acq: 5 Dec 2015 3:41 pm

Tgt Ion:105 Resp: 891986

Ion	Ratio	Lower	Upper
105	100		
77	84.1	57.8	86.6
51	33.8	16.7	25.1#

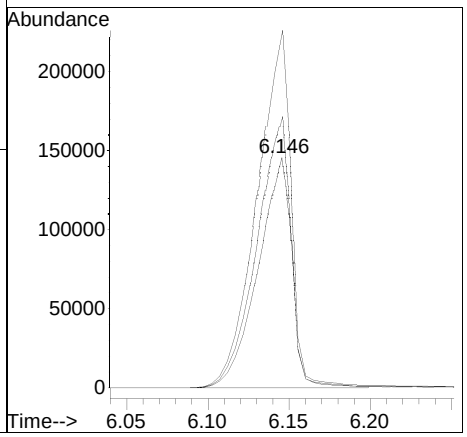


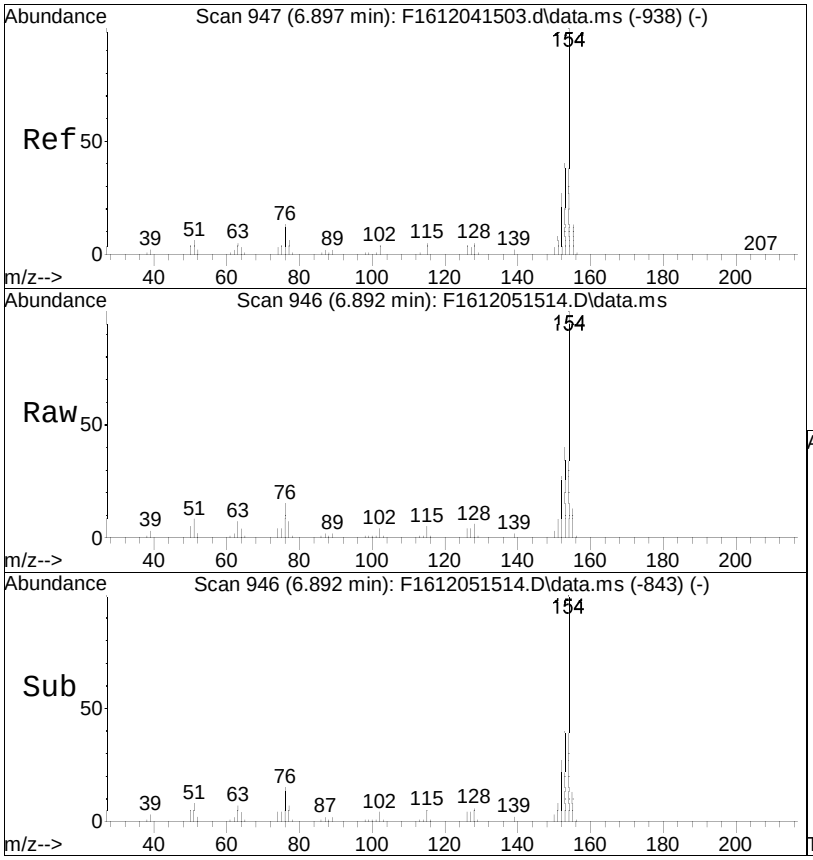


#35
Caprolactam
Concen: 11.49 ug/ml
RT: 6.146 min Scan# 791
Delta R.T. -0.005 min
Lab File: F1612051514.D
Acq: 5 Dec 2015 3:41 pm

Tgt Ion:113 Resp: 209848

Ion	Ratio	Lower	Upper
113	100		
55	157.7	77.0	115.4#
56	117.6	60.0	90.0#

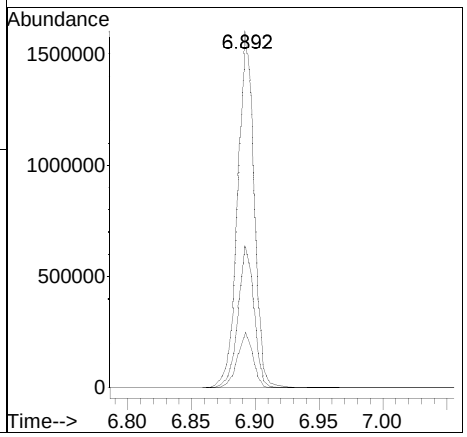


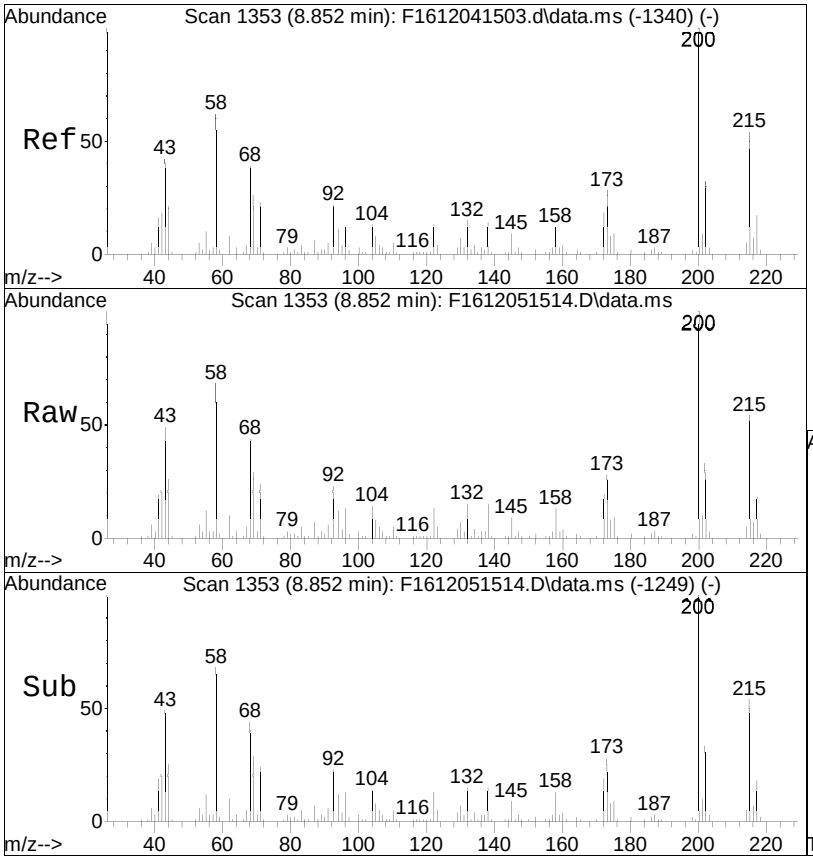


#44
Biphenyl
Concen: 10.76 ug/ml
RT: 6.892 min Scan# 946
Delta R.T. -0.005 min
Lab File: F1612051514.D
Acq: 5 Dec 2015 3:41 pm

Tgt Ion:154 Resp: 1431796

Ion	Ratio	Lower	Upper
154	100		
153	39.5	31.1	46.7
76	15.2	8.8	13.2#

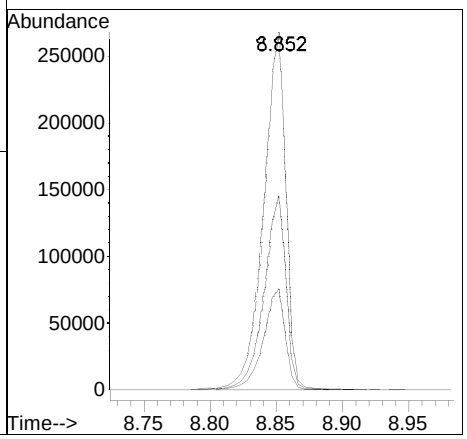


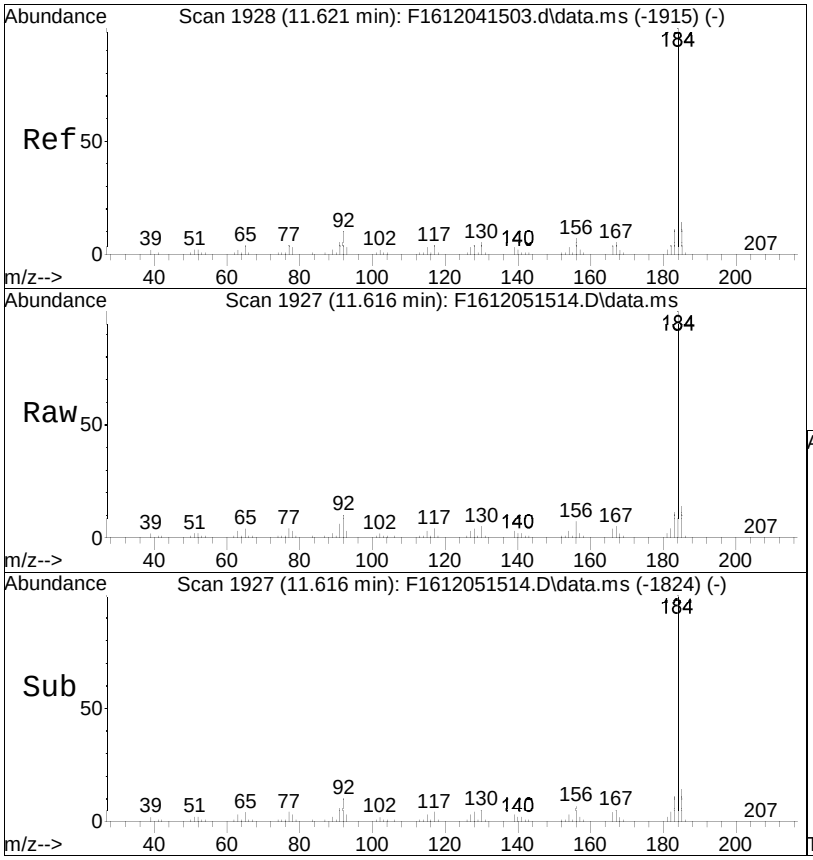


#68
Atrazine
Concen: 11.08 ug/ml
RT: 8.852 min Scan# 1353
Delta R.T. -0.000 min
Lab File: F1612051514.D
Acq: 5 Dec 2015 3:41 pm

Tgt Ion:200 Resp: 309925

Ion	Ratio	Lower	Upper
200	100		
173	27.6	22.6	33.8
215	53.5	42.6	64.0

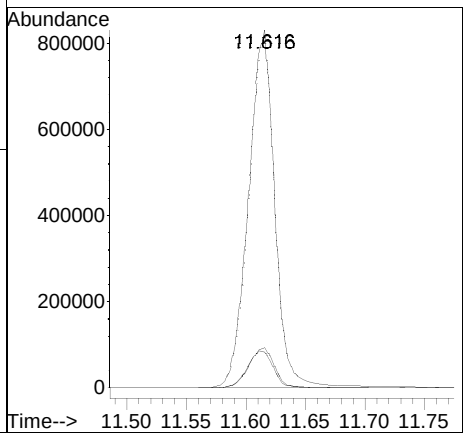


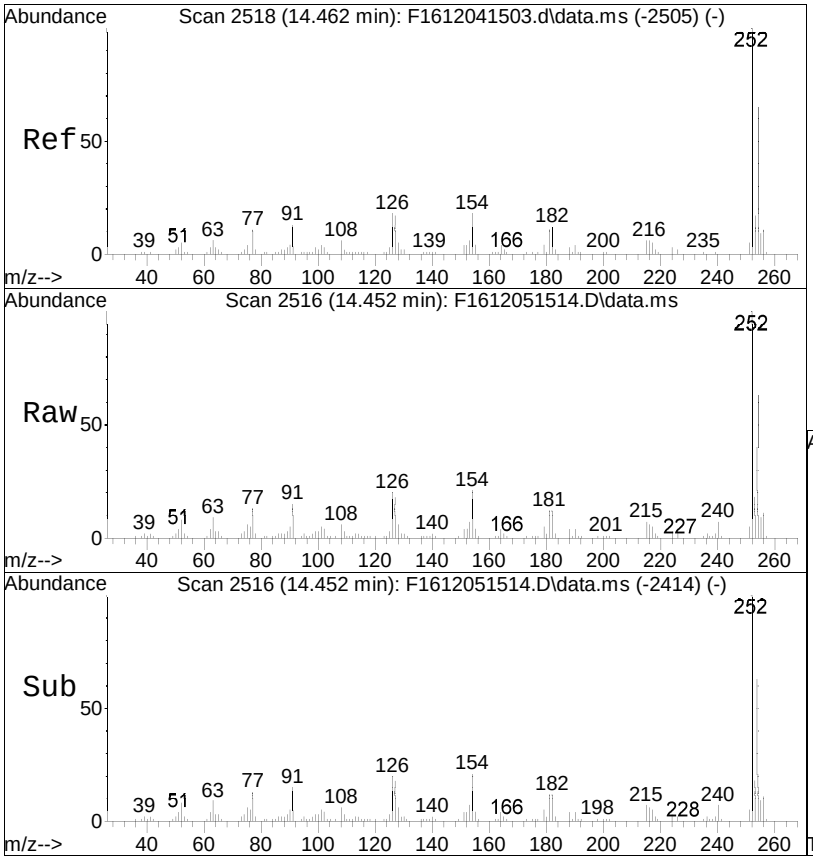


#77
Benzidine
Concen: 10.39 ug/mL
RT: 11.616 min Scan# 1927
Delta R.T. -0.005 min
Lab File: F1612051514.D
Acq: 5 Dec 2015 3:41 pm

Tgt Ion:184 Resp: 1261449

Ion	Ratio	Lower	Upper
184	100		
183	11.4	9.0	13.6
92	10.6	7.0	10.4#

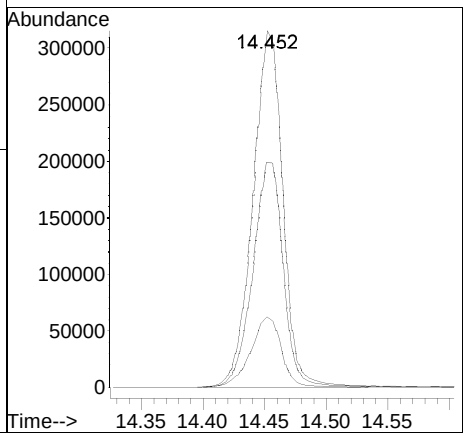




#81
3,3'-Dichlorobenzidine
Concen: 11.33 ug/mL
RT: 14.452 min Scan# 2516
Delta R.T. -0.010 min
Lab File: F1612051514.D
Acq: 5 Dec 2015 3:41 pm

Tgt Ion:252 Resp: 531866

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.5	77.3
126	20.6	11.9	17.9#



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH16\2015Q	Method	: SV1205PAH16.M
Data File	: F1612051514.D	Operator	: PAH16:JT
Date Inj'd	: 12/5/2015 3:41 pm	Instrument	: PAH16
Sample	: I1612051513	Quant Date	: 12/17/2015 3:56 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051515.D
Acq On : 5 Dec 2015 4:10 pm
Operator : PAH16:JT
Sample : I1612051514
Misc : WG851800,MSAG54
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 07 16:43:46 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.590	152	236487	5.000	ug/mL	0.00
21) Naphthalene-d8	5.756	136	927144	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.455	164	435068	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.218	188	791403	5.000	ug/mL	0.00
76) Chrysene-d12	14.428	240	674140	5.000	ug/mL	0.00
85) Perylene-d12	17.553	264	587078	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.224	77	855927	19.020	ug/ml	87
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.	d	
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	4.947	105	1330218	16.129	ug/ml#	83
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.	d	
23) Nitrobenzene	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051515.D
Acq On : 5 Dec 2015 4:10 pm
Operator : PAH16:JT
Sample : I1612051514
Misc : WG851800,MSAG54
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 07 16:43:46 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.155	113	310176	16.937	ug/ml#	42
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	6.892	154	2125516	14.141	ug/ml#	96
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D. d		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D. d		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	8.857	200	469390	14.914	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051515.D
Acq On : 5 Dec 2015 4:10 pm
Operator : PAH16:JT
Sample : I1612051514
Misc : WG851800,MSAG54
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 07 16:43:46 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.		
72) Anthracene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.621	184	1989619	14.780	ug/mL#	98
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	14.462	252	820130	16.567	ug/mL#	96
82) Benz[a]anthracene	0.000		0	N.D.	d	
83) Chrysene	0.000		0	N.D.	d	
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.	d	
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D.	d	
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

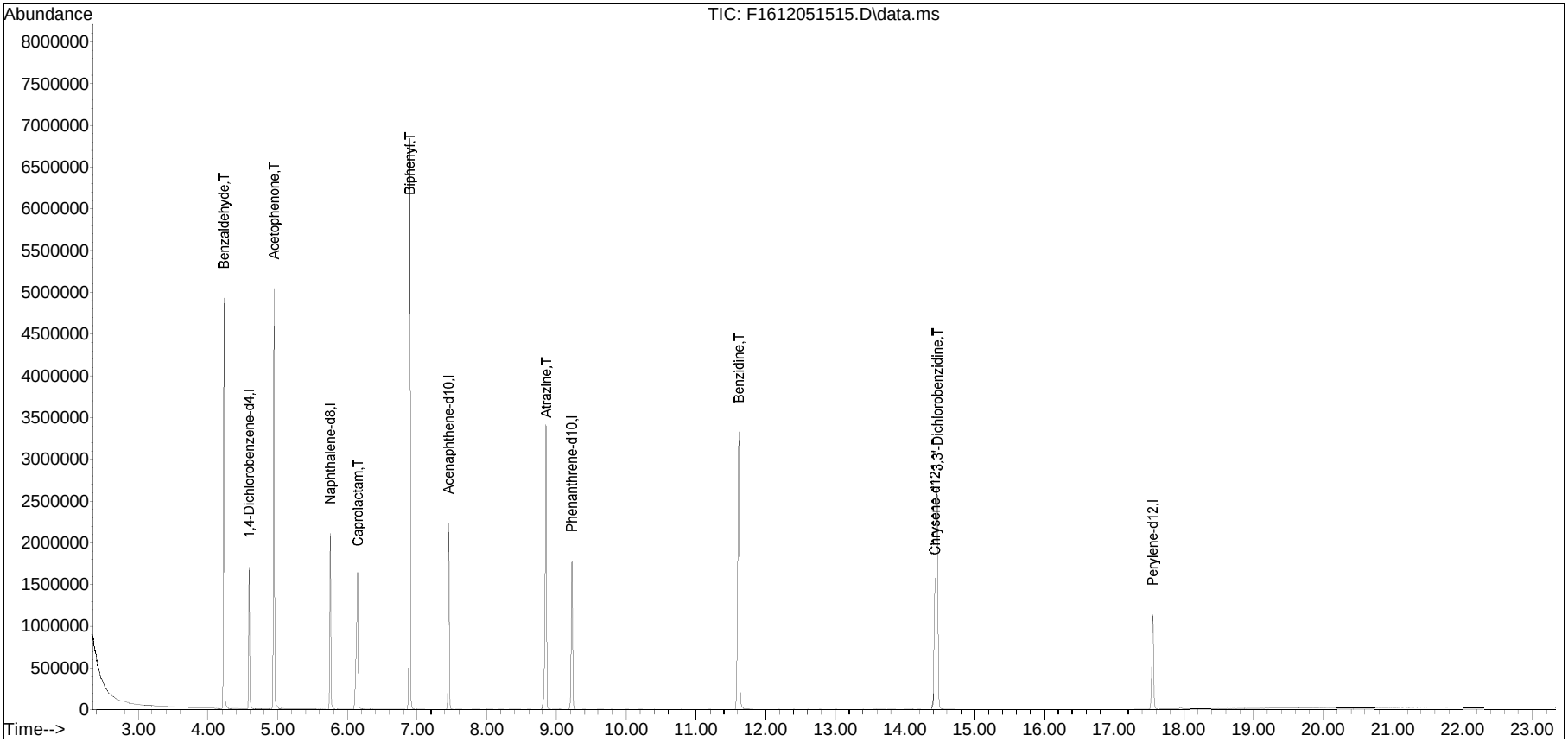
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051515.D
Acq On : 5 Dec 2015 4:10 pm
Operator : PAH16:JT
Sample : I1612051514
Misc : WG851800,MSAG54
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 07 16:43:46 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH16\2015Q	Method	: SV1205PAH16.M
Data File	: F1612051515.D	Operator	: PAH16:JT
Date Inj'd	: 12/5/2015 4:10 pm	Instrument	: PAH16
Sample	: I1612051514	Quant Date	: 12/7/2015 1:01 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051516.D
Acq On : 5 Dec 2015 4:39 pm
Operator : PAH16:JT
Sample : I1612051515
Misc : WG851800,MSAG53
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 17 15:09:01 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.590	152	253204	5.000	ug/mL	0.00
21) Naphthalene-d8	5.756	136	1018885	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.455	164	458784	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.218	188	828857	5.000	ug/mL	0.00
76) Chrysene-d12	14.428	240	734963	5.000	ug/mL	0.00
85) Perylene-d12	17.553	264	739284	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.220	77	1420965	29.492	ug/ml	89
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.	d	
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	4.947	105	2274662	25.760	ug/ml#	88
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.	d	
23) Nitrobenzene	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051516.D
Acq On : 5 Dec 2015 4:39 pm
Operator : PAH16:JT
Sample : I1612051515
Misc : WG851800,MSAG53
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 17 15:09:01 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.165	113	552054	27.431	ug/ml#	52
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	6.897	154	3517582	22.193	ug/ml#	96
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.	d	
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D.	d	
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.	d	
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	8.861	200	844458	25.619	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051516.D
Acq On : 5 Dec 2015 4:39 pm
Operator : PAH16:JT
Sample : I1612051515
Misc : WG851800,MSAG53
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 17 15:09:01 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.	d	
72) Anthracene	0.000		0	N.D.	d	
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.630	184	3526609	22.483	ug/mL#	98
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
82) Benz[a]anthracene	0.000		0	N.D.	d	
83) Chrysene	0.000		0	N.D.	d	
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.	d	
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D.	d	
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

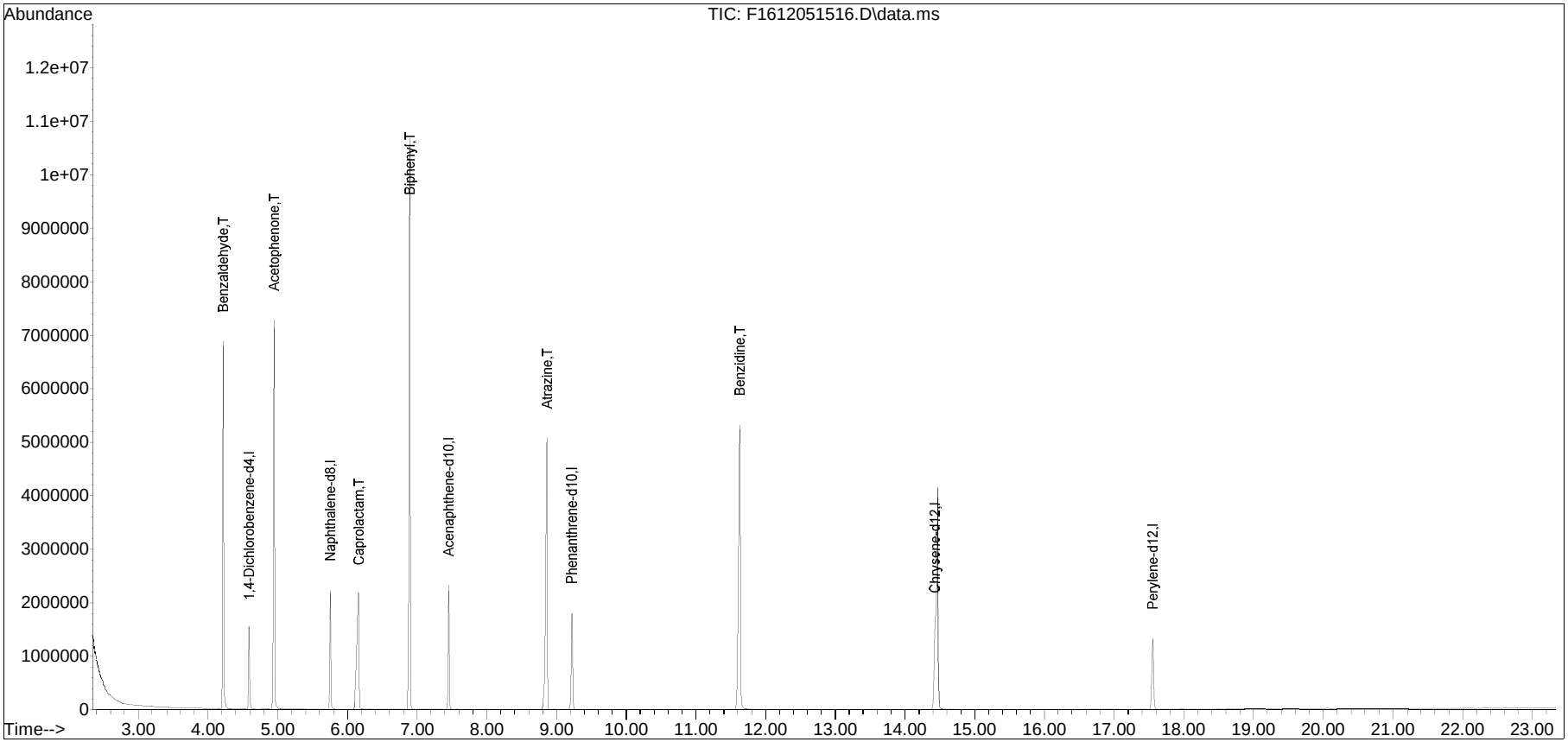
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051516.D
Acq On : 5 Dec 2015 4:39 pm
Operator : PAH16:JT
Sample : I1612051515
Misc : WG851800,MSAG53
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 17 15:09:01 2015
Quant Method : C:\msdchem\1\METHODS\PAH16\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 04 13:16:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH16\2015Q	Method	: SV1205PAH16.M
Data File	: F1612051516.D	Operator	: PAH16:JT
Date Inj'd	: 12/5/2015 4:39 pm	Instrument	: PAH16
Sample	: I1612051515	Quant Date	: 12/7/2015 12:04 pm

There are no manual integrations or false positives in this file.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051517.D
Acq On : 5 Dec 2015 5:08 pm
Operator : PAH16:JT
Sample : CQ1612051501
Misc : WG851800,MSAF73
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 17 15:35:17 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:35:39 2015
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00
2	T	N-Nitrosodimethylamine	0.842	0.000	100.0#	0#	-2.62#
3	t	Pyridine	1.536	0.000	100.0#	0#	-2.63#
4	S	2-Fluorophenol	1.400	0.000	100.0#	0#	-3.55#
5	T	Benzaldehyde	1.153	0.000	100.0#	0#	-4.22#
6	T	Aniline	2.137	0.000	100.0#	0#	-4.31#
7	T	bis(2-Chloroethyl)ether	1.181	0.000	100.0#	0#	-4.36#
8	S	Phenol-d5	1.888	0.000	100.0#	0#	-4.28#
9	MC	Phenol	1.952	0.000	100.0#	0#	-4.29#
10	M	2-Chlorophenol	1.545	0.000	100.0#	0#	-4.42#
11	T	1,3-Dichlorobenzene	1.662	0.000	100.0#	0#	-4.54#
12	MC	1,4-Dichlorobenzene	1.674	0.000	100.0#	0#	-4.61#
13	T	1,2-Dichlorobenzene	1.572	0.000	100.0#	0#	-4.74#
14	T	Benzyl alcohol	0.979	0.000	100.0#	0#	-4.72#
15	T	bis(2-chloroisopropyl)ether	2.280	0.000	100.0#	0#	-4.83#
16	T	2-Methylphenol	1.358	0.000	100.0#	0#	-4.81#
17	T	Acetophenone	1.763	0.000	100.0#	0#	-4.95#
18	T	Hexachloroethane	0.702	0.000	100.0#	0#	-5.04#
19	MP	N-Nitroso-di-n-propylamine	1.172	0.000	100.0#	0#	-4.95#
20	T	4-Methylphenol	1.476	0.000	100.0#	0#	-4.95#
21	I	Naphthalene-d8	1.000	1.000	0.0	112	0.00
22	S	Nitrobenzene-d5	0.422	0.000	100.0#	0#	-5.09#
23	T	Nitrobenzene	0.440	0.000	100.0#	0#	-5.11#
24	T	Isophorone	0.652	0.000	100.0#	0#	-5.33#
25	TC	2-Nitrophenol	0.204	0.000	100.0#	0#	-5.40#
26	T	2,4-Dimethylphenol	0.313	0.000	100.0#	0#	-5.44#
27	T	Benzoic acid	* 10.000	0.000	100.0#	0	-5.55#
28	T	bis(2-Chloroethoxy)methane	0.438	0.000	100.0#	0#	-5.53#
29	TC	2,4-Dichlorophenol	0.285	0.000	100.0#	0#	-5.63#
30	M	1,2,4-Trichlorobenzene	0.304	0.000	100.0#	0#	-5.70#
31	T	Naphthalene	1.120	0.000	100.0#	0#	-5.78#
32	T	2-Chloroaniline	0.580	0.000	100.0#	0#	-5.37#
33	T	4-Chloroaniline	0.454	0.000	100.0#	0#	-5.83#
34	TC	Hexachlorobutadiene	0.153	0.000	100.0#	0#	-5.89#
35	T	Caprolactam	0.102	0.000	100.0#	0#	-6.15#
36	MC	4-Chloro-3-methylphenol	0.333	0.000	100.0#	0#	-6.30#
37	T	2-Methylnaphthalene	0.727	0.000	100.0#	0#	-6.44#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051517.D
Acq On : 5 Dec 2015 5:08 pm
Operator : PAH16:JT
Sample : CQ1612051501
Misc : WG851800,MSAF73
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 17 15:35:17 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:35:39 2015
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
38	I	Acenaphthene-d10		1.000	1.000	0.0	102	0.00
39	T	1,2,4,5-Tetrachlorobenzene		0.546	0.000	100.0#	0#	-6.60#
40	TP	Hexachlorocyclopentadiene	*	10.000	0.000	100.0#	0	-6.59#
41	TC	2,4,6-Trichlorophenol		0.383	0.000	100.0#	0#	-6.72#
42	T	2,4,5-Trichlorophenol		0.397	0.000	100.0#	0#	-6.76#
43	S	2-Fluorobiphenyl		1.417	0.000	100.0#	0#	-6.80#
44	T	Biphenyl		1.585	0.000	100.0#	0#	-6.90#
45	T	2-Chloronaphthalene		1.278	0.000	100.0#	0#	-6.92#
46	T	2-Nitroaniline		0.488	0.000	100.0#	0#	-7.02#
47	T	Acenaphthylene		2.202	0.000	100.0#	0#	-7.32#
48	T	Dimethylphthalate		1.390	0.000	100.0#	0#	-7.20#
49	T	2,6-Dinitrotoluene		0.325	0.000	100.0#	0#	-7.26#
50	MC	Acenaphthene		1.385	0.000	100.0#	0#	-7.49#
51	T	3-Nitroaniline		0.379	0.000	100.0#	0#	-7.43#
52	TP	2,4-Dinitrophenol	*	10.000	0.000	100.0#	0	-7.54#
53	T	Dibenzofuran		1.767	0.000	100.0#	0#	-7.67#
54		2,3,4,6-Tetrachlorophenol		0.261	0.000	100.0#	0#	-7.80#
55	M	2,4-Dinitrotoluene		0.450	0.000	100.0#	0#	-7.67#
56	MP	4-Nitrophenol		0.210	0.000	100.0#	0#	-7.61#
57	T	Fluorene		1.455	0.000	100.0#	0#	-8.04#
58	T	4-Chlorophenyl-phenylether		0.628	0.000	100.0#	0#	-8.04#
59	T	Diethylphthalate		1.495	0.000	100.0#	0#	-7.92#
60	T	4-Nitroaniline		0.366	0.000	100.0#	0#	-8.07#
61	I	Phenanthrene-d10		1.000	1.000	0.0	95	0.00
62	T	4,6-Dinitro-2-methylphenol	*	10.000	0.000	100.0#	0	-8.11#
63	T	Azobenzene		0.218	0.000	100.0#	0#	-8.22#
64	TC	n-Nitrosodiphenylamine		0.550	0.000	100.0#	0#	-8.18#
65	S	2,4,6-Tribromophenol		0.066	0.000	100.0#	0#	-8.32#
66	T	4-Bromophenyl-phenylether		0.168	0.000	100.0#	0#	-8.62#
67	T	Hexachlorobenzene		0.167	0.000	100.0#	0#	-8.69#
68	T	Atrazine		0.186	0.000	100.0#	0#	-8.85#
69	MC	Pentachlorophenol	*	10.000	0.000	100.0#	0	-8.97#
70	T	Pentachloronitrobenzene		0.082	0.000	100.0#	0#	-8.98#
71	T	Phenanthrene		1.092	0.000	100.0#	0#	-9.26#
72	T	Anthracene		1.063	0.000	100.0#	0#	-9.33#
73	T	Carbazole		1.035	0.000	100.0#	0#	-9.59#
74	T	Di-n-butylphthalate		1.277	0.000	100.0#	0#	-10.21#
75	TC	Fluoranthene		1.072	0.000	100.0#	0#	-11.29#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051517.D
Acq On : 5 Dec 2015 5:08 pm
Operator : PAH16:JT
Sample : CQ1612051501
Misc : WG851800,MSAF73
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 17 15:35:17 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:35:39 2015
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
76	I	Chrysene-d12	1.000	1.000	0.0	91	0.00
77	T	Benzidine	* 10.000	9.311	6.9	87	0.00
78	M	Pyrene	1.254	0.000	100.0#	0#	-11.73#
79	S	Terphenyl-d14	0.744	0.000	100.0#	0#	-12.13#
80	T	Butylbenzylphthalate	0.665	0.000	100.0#	0#	-13.32#
81	T	3,3'-Dichlorobenzidine	0.369	0.000	100.0#	0#	-14.46#
82	T	Benz[a]anthracene	1.114	0.000	100.0#	0#	-14.42#
83	T	Chrysene	1.062	0.000	100.0#	0#	-14.51#
84	T	bis(2-Ethylhexyl)phthalate	0.862	0.000	100.0#	0#	-14.78#
85	I	Perylene-d12	1.000	1.000	0.0	93	0.00
86	TC	Di-n-octylphthalate	1.768	0.000	100.0#	0#	-16.32#
87	T	Benzo[b]fluoranthene	1.157	0.000	100.0#	0#	-16.83#
88	T	Benzo[k]fluoranthene	1.105	0.000	100.0#	0#	-16.89#
89	TC	Benzo[a]pyrene	1.088	0.000	100.0#	0#	-17.47#
90	T	Indeno[1,2,3-cd]pyrene	0.934	0.000	100.0#	0#	-19.39#
91	T	Dibenz[a,h]anthracene	0.922	0.000	100.0#	0#	-19.45#
92	T	Benzo[g,h,i]perylene	0.966	0.000	100.0#	0#	-19.81#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 13

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051517.D
Acq On : 5 Dec 2015 5:08 pm
Operator : PAH16:JT
Sample : CQ1612051501
Misc : WG851800,MSAF73
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 17 15:35:17 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:35:39 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.590	152	226458	5.000	ug/mL	0.00
21) Naphthalene-d8	5.756	136	905195	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.455	164	421880	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.218	188	753434	5.000	ug/mL	0.00
76) Chrysene-d12	14.428	240	616694	5.000	ug/mL	0.00
85) Perylene-d12	17.553	264	525671	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		d
5) Benzaldehyde	0.000		0	N.D.		
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		d
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	0.000		0	N.D.		d
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.		d

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051517.D
Acq On : 5 Dec 2015 5:08 pm
Operator : PAH16:JT
Sample : CQ1612051501
Misc : WG851800,MSAF73
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 17 15:35:17 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:35:39 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.		
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.	d	
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.	d	
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051517.D
Acq On : 5 Dec 2015 5:08 pm
Operator : PAH16:JT
Sample : CQ1612051501
Misc : WG851800,MSAF73
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 17 15:35:17 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:35:39 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.		
72) Anthracene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D. d		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.616	184	1093396	9.311	ug/mL#	98
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D. d		
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	0.000		0	N.D. d		
83) Chrysene	0.000		0	N.D. d		
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.		
86) Di-n-octylphthalate	0.000		0	N.D. d		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D. d		
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

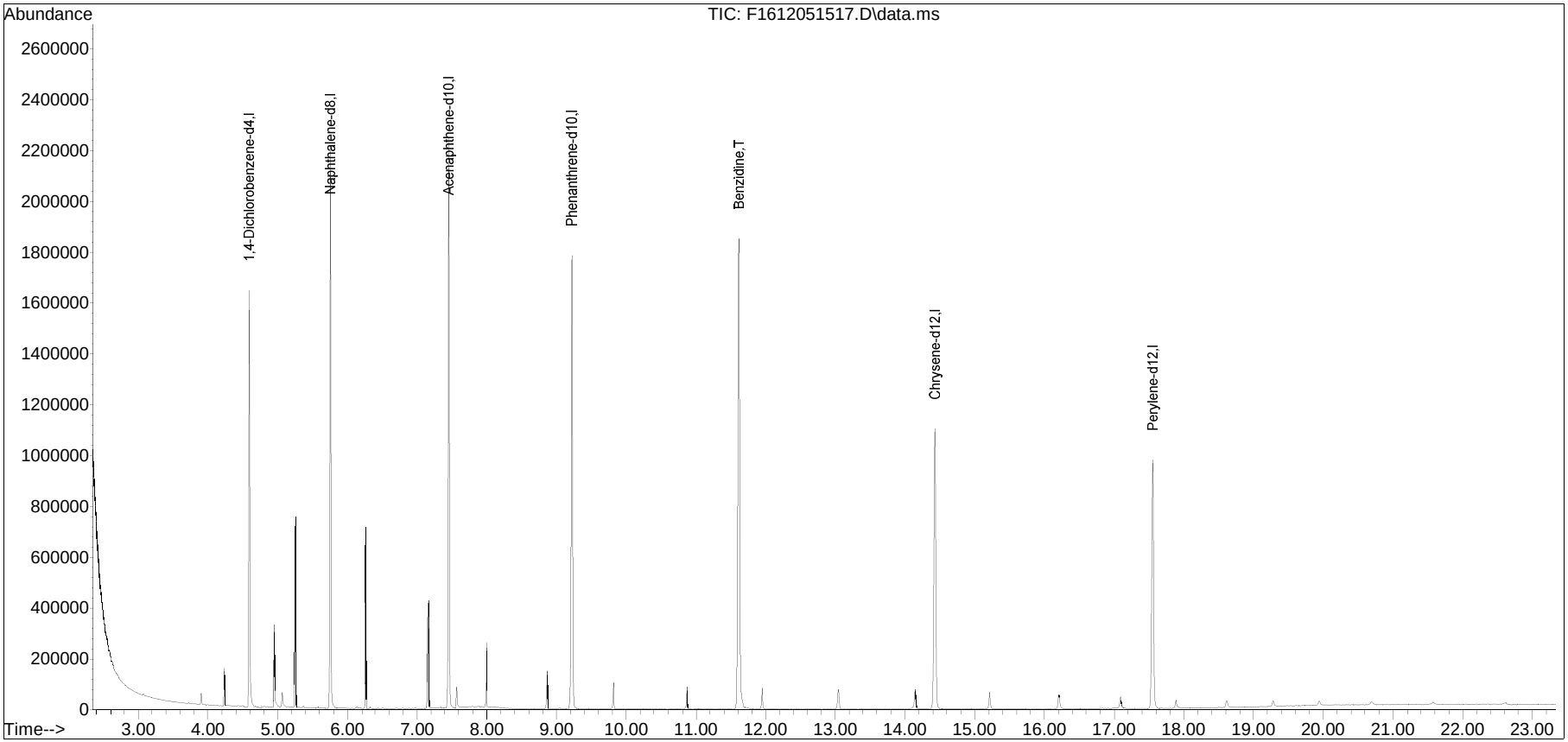
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051517.D
Acq On : 5 Dec 2015 5:08 pm
Operator : PAH16:JT
Sample : CQ1612051501
Misc : WG851800,MSAF73
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 17 15:35:17 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:35:39 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH16\2015Q	Method	: SV1205PAH16.M
Data File	: F1612051517.D	Operator	: PAH16:JT
Date Inj'd	: 12/5/2015 5:08 pm	Instrument	: PAH16
Sample	: CQ1612051501	Quant Date	: 12/17/2015 3:35 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051518.D
Acq On : 5 Dec 2015 5:37 pm
Operator : PAH16:JT
Sample : CQ1612051502
Misc : WG851800,MSAF51
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 17 15:57:00 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:57:04 2015
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00
2	T	N-Nitrosodimethylamine	0.842	0.000	100.0#	0#	-2.62#
3	t	Pyridine	1.536	0.000	100.0#	0#	-2.63#
4	S	2-Fluorophenol	1.400	0.000	100.0#	0#	-3.55#
5	T	Benzaldehyde	1.153	1.610	-39.6#	106	0.00
6	T	Aniline	2.137	0.000	100.0#	0#	-4.31#
7	T	bis(2-Chloroethyl)ether	1.181	0.000	100.0#	0#	-4.36#
8	S	Phenol-d5	1.888	0.000	100.0#	0#	-4.28#
9	MC	Phenol	1.952	0.000	100.0#	0#	-4.29#
10	M	2-Chlorophenol	1.545	0.000	100.0#	0#	-4.42#
11	T	1,3-Dichlorobenzene	1.662	0.000	100.0#	0#	-4.54#
12	MC	1,4-Dichlorobenzene	1.674	0.000	100.0#	0#	-4.61#
13	T	1,2-Dichlorobenzene	1.572	0.000	100.0#	0#	-4.74#
14	T	Benzyl alcohol	0.979	0.000	100.0#	0#	-4.72#
15	T	bis(2-chloroisopropyl)ether	2.280	0.000	100.0#	0#	-4.83#
16	T	2-Methylphenol	1.358	0.000	100.0#	0#	-4.81#
17	T	Acetophenone	1.763	0.000	100.0#	0#	-4.95#
18	T	Hexachloroethane	0.702	0.000	100.0#	0#	-5.04#
19	MP	N-Nitroso-di-n-propylamine	1.172	0.000	100.0#	0#	-4.95#
20	T	4-Methylphenol	1.476	0.000	100.0#	0#	-4.95#
21	I	Naphthalene-d8	1.000	1.000	0.0	91	0.00
22	S	Nitrobenzene-d5	0.422	0.000	100.0#	0#	-5.09#
23	T	Nitrobenzene	0.440	0.000	100.0#	0#	-5.11#
24	T	Isophorone	0.652	0.000	100.0#	0#	-5.33#
25	TC	2-Nitrophenol	0.204	0.000	100.0#	0#	-5.40#
26	T	2,4-Dimethylphenol	0.313	0.000	100.0#	0#	-5.44#
27	T	Benzoic acid	* 10.000	0.000	100.0#	0	-5.55#
28	T	bis(2-Chloroethoxy)methane	0.438	0.000	100.0#	0#	-5.53#
29	TC	2,4-Dichlorophenol	0.285	0.000	100.0#	0#	-5.63#
30	M	1,2,4-Trichlorobenzene	0.304	0.000	100.0#	0#	-5.70#
31	T	Naphthalene	1.120	0.000	100.0#	0#	-5.78#
32	T	2-Chloroaniline	0.580	0.000	100.0#	0#	-5.37#
33	T	4-Chloroaniline	0.454	0.000	100.0#	0#	-5.83#
34	TC	Hexachlorobutadiene	0.153	0.000	100.0#	0#	-5.89#
35	T	Caprolactam	0.102	0.000	100.0#	0#	-6.15#
36	MC	4-Chloro-3-methylphenol	0.333	0.000	100.0#	0#	-6.30#
37	T	2-Methylnaphthalene	0.727	0.000	100.0#	0#	-6.44#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051518.D
Acq On : 5 Dec 2015 5:37 pm
Operator : PAH16:JT
Sample : CQ1612051502
Misc : WG851800,MSAF51
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 17 15:57:00 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:57:04 2015
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
38	I	Acenaphthene-d10		1.000	1.000	0.0	84	0.00
39	T	1,2,4,5-Tetrachlorobenzene		0.546	0.000	100.0#	0#	-6.60#
40	TP	Hexachlorocyclopentadiene	*	10.000	0.000	100.0#	0	-6.59#
41	TC	2,4,6-Trichlorophenol		0.383	0.000	100.0#	0#	-6.72#
42	T	2,4,5-Trichlorophenol		0.397	0.000	100.0#	0#	-6.76#
43	S	2-Fluorobiphenyl		1.417	0.000	100.0#	0#	-6.80#
44	T	Biphenyl		1.585	0.000	100.0#	0#	-6.90#
45	T	2-Chloronaphthalene		1.278	0.000	100.0#	0#	-6.92#
46	T	2-Nitroaniline		0.488	0.000	100.0#	0#	-7.02#
47	T	Acenaphthylene		2.202	0.000	100.0#	0#	-7.32#
48	T	Dimethylphthalate		1.390	0.000	100.0#	0#	-7.20#
49	T	2,6-Dinitrotoluene		0.325	0.000	100.0#	0#	-7.26#
50	MC	Acenaphthene		1.385	0.000	100.0#	0#	-7.49#
51	T	3-Nitroaniline		0.379	0.000	100.0#	0#	-7.43#
52	TP	2,4-Dinitrophenol	*	10.000	0.000	100.0#	0	-7.54#
53	T	Dibenzofuran		1.767	0.000	100.0#	0#	-7.67#
54		2,3,4,6-Tetrachlorophenol		0.261	0.000	100.0#	0#	-7.80#
55	M	2,4-Dinitrotoluene		0.450	0.000	100.0#	0#	-7.67#
56	MP	4-Nitrophenol		0.210	0.000	100.0#	0#	-7.61#
57	T	Fluorene		1.455	0.000	100.0#	0#	-8.04#
58	T	4-Chlorophenyl-phenylether		0.628	0.000	100.0#	0#	-8.04#
59	T	Diethylphthalate		1.495	0.000	100.0#	0#	-7.92#
60	T	4-Nitroaniline		0.366	0.000	100.0#	0#	-8.07#
61	I	Phenanthrene-d10		1.000	1.000	0.0	79	0.00
62	T	4,6-Dinitro-2-methylphenol	*	10.000	0.000	100.0#	0	-8.11#
63	T	Azobenzene		0.218	0.000	100.0#	0#	-8.22#
64	TC	n-Nitrosodiphenylamine		0.550	0.000	100.0#	0#	-8.18#
65	S	2,4,6-Tribromophenol		0.066	0.000	100.0#	0#	-8.32#
66	T	4-Bromophenyl-phenylether		0.168	0.000	100.0#	0#	-8.62#
67	T	Hexachlorobenzene		0.167	0.000	100.0#	0#	-8.69#
68	T	Atrazine		0.186	0.000	100.0#	0#	-8.85#
69	MC	Pentachlorophenol	*	10.000	0.000	100.0#	0	-8.97#
70	T	Pentachloronitrobenzene		0.082	0.000	100.0#	0#	-8.98#
71	T	Phenanthrene		1.092	0.000	100.0#	0#	-9.26#
72	T	Anthracene		1.063	0.000	100.0#	0#	-9.33#
73	T	Carbazole		1.035	0.000	100.0#	0#	-9.59#
74	T	Di-n-butylphthalate		1.277	0.000	100.0#	0#	-10.21#
75	TC	Fluoranthene		1.072	0.000	100.0#	0#	-11.29#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051518.D
Acq On : 5 Dec 2015 5:37 pm
Operator : PAH16:JT
Sample : CQ1612051502
Misc : WG851800,MSAF51
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 17 15:57:00 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:57:04 2015
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
76	I	Chrysene-d12	1.000	1.000	0.0	81	0.00
77	T	Benzidine	* 10.000	0.000	100.0#	0	-11.62#
78	M	Pyrene	1.254	0.000	100.0#	0#	-11.73#
79	S	Terphenyl-d14	0.744	0.000	100.0#	0#	-12.13#
80	T	Butylbenzylphthalate	0.665	0.000	100.0#	0#	-13.32#
81	T	3,3'-Dichlorobenzidine	0.369	0.000	100.0#	0#	-14.46#
82	T	Benz[a]anthracene	1.114	0.000	100.0#	0#	-14.42#
83	T	Chrysene	1.062	0.000	100.0#	0#	-14.51#
84	T	bis(2-Ethylhexyl)phthalate	0.862	0.000	100.0#	0#	-14.78#
85	I	Perylene-d12	1.000	1.000	0.0	87	-0.01
86	TC	Di-n-octylphthalate	1.768	0.000	100.0#	0#	-16.32#
87	T	Benzo[b]fluoranthene	1.157	0.000	100.0#	0#	-16.83#
88	T	Benzo[k]fluoranthene	1.105	0.000	100.0#	0#	-16.89#
89	TC	Benzo[a]pyrene	1.088	0.000	100.0#	0#	-17.47#
90	T	Indeno[1,2,3-cd]pyrene	0.934	0.000	100.0#	0#	-19.39#
91	T	Dibenz[a,h]anthracene	0.922	0.000	100.0#	0#	-19.45#
92	T	Benzo[g,h,i]perylene	0.966	0.000	100.0#	0#	-19.81#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 13

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051518.D
Acq On : 5 Dec 2015 5:37 pm
Operator : PAH16:JT
Sample : CQ1612051502
Misc : WG851800,MSAF51
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 17 15:57:00 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:57:04 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.590	152	188922M4	5.000	ug/mL	0.00
21) Naphthalene-d8	5.756	136	741203	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.456	164	350372	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.218	188	624965	5.000	ug/mL	0.00
76) Chrysene-d12	14.423	240	551058	5.000	ug/mL	0.00
85) Perylene-d12	17.548	264	491327	5.000	ug/mL	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.224	77	608372	13.967	ug/ml	87
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.	d	

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051518.D
Acq On : 5 Dec 2015 5:37 pm
Operator : PAH16:JT
Sample : CQ1612051502
Misc : WG851800,MSAF51
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 17 15:57:00 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:57:04 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	0.000		0	N.D.		
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.		
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.	d	
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051518.D
Acq On : 5 Dec 2015 5:37 pm
Operator : PAH16:JT
Sample : CQ1612051502
Misc : WG851800,MSAF51
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 17 15:57:00 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:57:04 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.		
72) Anthracene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	0.000		0	N.D.	d	
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	0.000		0	N.D.	d	
83) Chrysene	0.000		0	N.D.	d	
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D.	d	
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

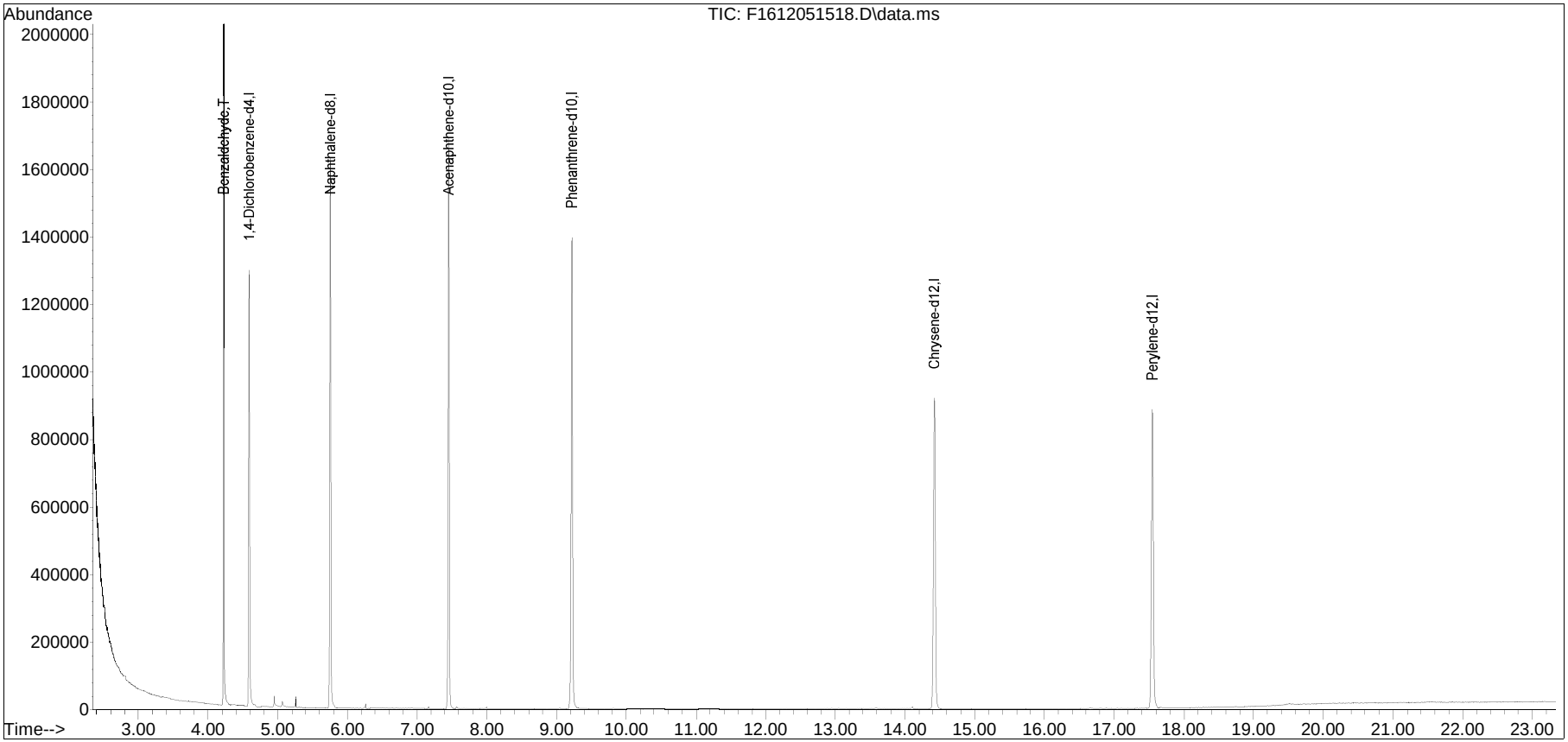
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051518.D
Acq On : 5 Dec 2015 5:37 pm
Operator : PAH16:JT
Sample : CQ1612051502
Misc : WG851800,MSAF51
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 17 15:57:00 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:57:04 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

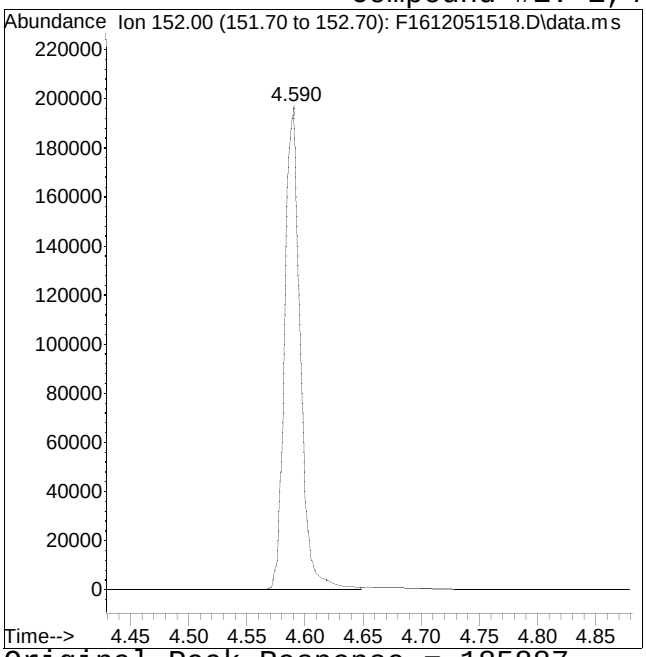


Manual Integration/Negative Proof Report

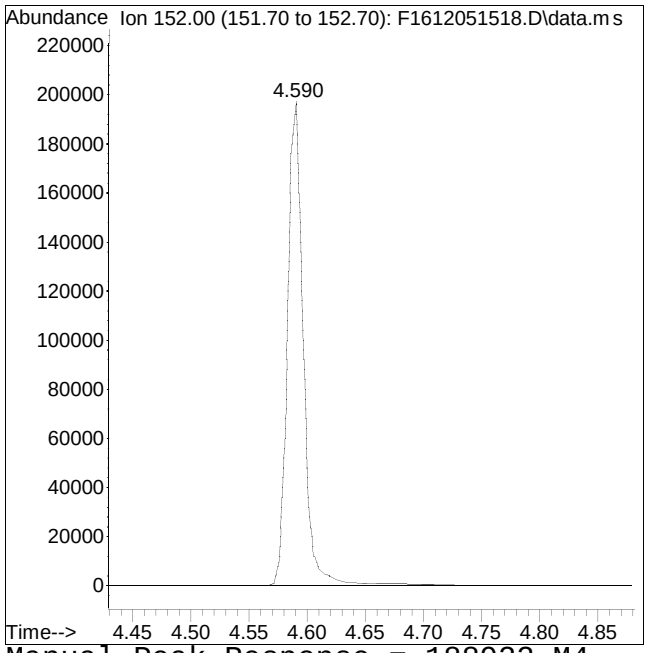
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051518.D
Date Inj'd : 12/5/2015 5:37 pm
Sample : CQ1612051502

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:57 pm

Compound #1: 1,4-Dichlorobenzene-d4



Original Peak Response = 185887



Manual Peak Response = 188922 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051519.D
Acq On : 5 Dec 2015 6:06 pm
Operator : PAH16:JT
Sample : CQ1612051503
Misc : WG851800,MSAG77
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 17 15:37:08 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:35:50 2015
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
2	T	N-Nitrosodimethylamine	0.842	0.928	-10.2	109	0.00
3	t	Pyridine	1.536	1.596	-3.9	102	0.00
4	S	2-Fluorophenol	1.400	0.000	100.0#	0#	-3.55#
5	T	Benzaldehyde	1.153	0.000	100.0#	0#	-4.22#
6	T	Aniline	2.137	2.383	-11.5	128	0.00
7	T	bis(2-Chloroethyl)ether	1.181	1.189	-0.7	100	0.00
8	S	Phenol-d5	1.888	0.000	100.0#	0#	-4.28#
9	MC	Phenol	1.952	1.860	4.7#	96	0.00
10	M	2-Chlorophenol	1.545	1.492	3.4	99	0.00
11	T	1,3-Dichlorobenzene	1.662	1.563	6.0	97	0.00
12	MC	1,4-Dichlorobenzene	1.674	1.595	4.7#	98	0.00
13	T	1,2-Dichlorobenzene	1.572	1.484	5.6	97	0.00
14	T	Benzyl alcohol	0.979	0.946	3.4	96	0.00
15	T	bis(2-chloroisopropyl)ether	2.280	2.268	0.5	96	0.00
16	T	2-Methylphenol	1.358	1.354	0.3	103	0.00
17	T	Acetophenone	1.763	0.000	100.0#	0#	-4.95#
18	T	Hexachloroethane	0.702	0.668	4.8	96	0.00
19	MP	N-Nitroso-di-n-propylamine	1.172	1.143	2.5	97	0.00
20	T	4-Methylphenol	1.476	1.458	1.2	100	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	106	0.00
22	S	Nitrobenzene-d5	0.422	0.000	100.0#	0#	-5.09#
23	T	Nitrobenzene	0.440	0.420	4.5	95	0.00
24	T	Isophorone	0.652	0.768	-17.8	117	0.00
25	TC	2-Nitrophenol	0.204	0.187	8.3#	92	0.00
26	T	2,4-Dimethylphenol	0.313	0.366	-16.9	121	0.00
27	T	Benzoic acid	* 10.000	0.000	100.0#	0	-5.55#
28	T	bis(2-Chloroethoxy)methane	0.438	0.435	0.7	99	0.00
29	TC	2,4-Dichlorophenol	0.285	0.265	7.0#	94	0.00
30	M	1,2,4-Trichlorobenzene	0.304	0.284	6.6	96	0.00
31	T	Naphthalene	1.120	1.072	4.3	97	0.00
32	T	2-Chloroaniline	0.580	0.434	25.2	76	0.00
33	T	4-Chloroaniline	0.454	0.451	0.7	104	0.00
34	TC	Hexachlorobutadiene	0.153	0.139	9.2#	94	0.00
35	T	Caprolactam	0.102	0.112	-9.8	91	0.02
36	MC	4-Chloro-3-methylphenol	0.333	0.314	5.7#	94	0.00
37	T	2-Methylnaphthalene	0.727	0.710	2.3	99	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051519.D
Acq On : 5 Dec 2015 6:06 pm
Operator : PAH16:JT
Sample : CQ1612051503
Misc : WG851800,MSAG77
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 17 15:37:08 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:35:50 2015
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
38	I	Acenaphthene-d10		1.000	1.000	0.0	98	0.00
39	T	1,2,4,5-Tetrachlorobenzene		0.546	0.487	10.8	89	0.00
40	TP	Hexachlorocyclopentadiene	*	10.000	9.405	6.0	95	0.00
41	TC	2,4,6-Trichlorophenol		0.383	0.354	7.6#	90	0.00
42	T	2,4,5-Trichlorophenol		0.397	0.357	10.1	88	0.00
43	S	2-Fluorobiphenyl		1.417	0.000	100.0#	0#	-6.80#
44	T	Biphenyl		1.585	1.597	-0.8	91	0.00
45	T	2-Chloronaphthalene		1.278	1.208	5.5	93	0.00
46	T	2-Nitroaniline		0.488	0.476	2.5	91	0.00
47	T	Acenaphthylene		2.202	2.096	4.8	92	0.00
48	T	Dimethylphthalate		1.390	1.351	2.8	95	0.00
49	T	2,6-Dinitrotoluene		0.325	0.318	2.2	93	0.00
50	MC	Acenaphthene		1.385	1.310	5.4#	91	0.00
51	T	3-Nitroaniline		0.379	0.399	-5.3	100	0.00
52	TP	2,4-Dinitrophenol	*	10.000	6.312	36.9#	59	0.00
53	T	Dibenzofuran		1.767	1.763	0.2	97	0.00
54		2,3,4,6-Tetrachlorophenol		0.261	0.260	0.4	95	0.00
55	M	2,4-Dinitrotoluene		0.450	0.442	1.8	93	0.00
56	MP	4-Nitrophenol		0.210	0.214	-1.9	91	0.00
57	T	Fluorene		1.455	1.477	-1.5	95	0.00
58	T	4-Chlorophenyl-phenylether		0.628	0.620	1.3	94	0.00
59	T	Diethylphthalate		1.495	1.472	1.5	94	0.00
60	T	4-Nitroaniline		0.366	0.370	-1.1	97	0.00
61	I	Phenanthrene-d10		1.000	1.000	0.0	98	0.00
62	T	4,6-Dinitro-2-methylphenol	*	10.000	7.851	21.5	78	0.00
63	T	Azobenzene		0.218	0.197	9.6	90	0.00
64	TC	n-Nitrosodiphenylamine		0.550	0.628	-14.2#	113	0.00
65	S	2,4,6-Tribromophenol		0.066	0.000	100.0#	0#	-8.32#
66	T	4-Bromophenyl-phenylether		0.168	0.157	6.5	94	0.00
67	T	Hexachlorobenzene		0.167	0.151	9.6	94	0.00
68	T	Atrazine		0.186	0.185	0.5	93	0.00
69	MC	Pentachlorophenol	*	10.000	6.813	31.9#	66	0.00
70	T	Pentachloronitrobenzene		0.082	0.074	9.8	87	0.00
71	T	Phenanthrene		1.092	1.104	-1.1	99	0.00
72	T	Anthracene		1.063	1.113	-4.7	102	0.00
73	T	Carbazole		1.035	1.092	-5.5	102	0.00
74	T	Di-n-butylphthalate		1.277	1.420	-11.2	106	0.00
75	TC	Fluoranthene		1.072	1.175	-9.6#	107	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051519.D
Acq On : 5 Dec 2015 6:06 pm
Operator : PAH16:JT
Sample : CQ1612051503
Misc : WG851800,MSAG77
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 17 15:37:08 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:35:50 2015
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
76	I	Chrysene-d12	1.000	1.000	0.0	103	0.00
77	T	Benzidine	* 10.000	0.000	100.0#	0	-11.62#
78	M	Pyrene	1.254	1.297	-3.4	103	-0.01
79	S	Terphenyl-d14	0.744	0.000	100.0#	0#	-12.13#
80	T	Butylbenzylphthalate	0.665	0.694	-4.4	101	0.00
81	T	3,3'-Dichlorobenzidine	0.369	0.275	25.5	72	0.00
82	T	Benz[a]anthracene	1.114	1.124	-0.9	104	0.00
83	T	Chrysene	1.062	0.952	10.4	92	-0.01
84	T	bis(2-Ethylhexyl)phthalate	0.862	0.842	2.3	94	0.00
85	I	Perylene-d12	1.000	1.000	0.0	106	0.00
86	TC	Di-n-octylphthalate	1.768	1.779	-0.6#	96	0.00
87	T	Benzo[b]fluoranthene	1.157	1.159	-0.2	105	0.00
88	T	Benzo[k]fluoranthene	1.105	1.095	0.9	102	-0.01
89	TC	Benzo[a]pyrene	1.088	1.092	-0.4#	105	-0.01
90	T	Indeno[1,2,3-cd]pyrene	0.934	0.920	1.5	104	0.00
91	T	Dibenz[a,h]anthracene	0.922	0.875	5.1	100	-0.01
92	T	Benzo[g,h,i]perylene	0.966	0.868	10.1	94	-0.01

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 13

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.89	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.60#	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051519.D
Acq On : 5 Dec 2015 6:06 pm
Operator : PAH16:JT
Sample : CQ1612051503
Misc : WG851800,MSAG77
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 17 15:37:08 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:35:50 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.595	152	219782	5.000	ug/mL	0.00
21) Naphthalene-d8	5.756	136	856851	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.456	164	407337	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.223	188	777624	5.000	ug/mL	0.00
76) Chrysene-d12	14.438	240	699381	5.000	ug/mL	0.00
85) Perylene-d12	17.558	264	598140	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.611	74	407980	11.025	ug/mL#	86
3) Pyridine	2.631	79	701612	10.390	ug/mL	84
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.316	93	1047301	11.150	ug/ml#	1
7) bis(2-Chloroethyl)ether	4.364	63	522629	10.066	ug/mL	86
9) Phenol	4.287	94	817413	9.529	ug/mL	92
10) 2-Chlorophenol	4.417	128	655942	9.660	ug/mL#	91
11) 1,3-Dichlorobenzene	4.547	146	686928	9.402	ug/mL	99
12) 1,4-Dichlorobenzene	4.610	146	701128	9.530	ug/mL	99
13) 1,2-Dichlorobenzene	4.745	146	652280	9.437	ug/mL	100
14) Benzyl alcohol	4.716	108	415960	9.666	ug/mL	93
15) bis(2-chloroisopropyl)eth	4.831	45	996962	9.949	ug/mL#	42
16) 2-Methylphenol	4.812	108	595345	9.975	ug/mL	98
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	5.043	117	293570	9.511	ug/mL#	81
19) N-Nitroso-di-n-propylamin	4.952	70	502207	9.747	ug/mL#	89
20) 4-Methylphenol	4.952	108	640944	9.877	ug/mL	88
23) Nitrobenzene	5.110	77	719519	9.553	ug/mL	96

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051519.D
Acq On : 5 Dec 2015 6:06 pm
Operator : PAH16:JT
Sample : CQ1612051503
Misc : WG851800,MSAG77
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 17 15:37:08 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:35:50 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.327	82	1316655	11.775	ug/mL	97
25) 2-Nitrophenol	5.399	139	320623	9.163	ug/mL#	88
26) 2,4-Dimethylphenol	5.438	107	627301	11.696	ug/mL	99
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	5.525	93	745205	9.930	ug/mL	98
29) 2,4-Dichlorophenol	5.626	162	454278	9.291	ug/mL	96
30) 1,2,4-Trichlorobenzene	5.703	180	486746	9.333	ug/mL	99
31) Naphthalene	5.780	128	1837932	9.574	ug/mL	100
32) 2-Chloroaniline	5.366	127	743569	7.487	ug/ml	100
33) 4-Chloroaniline	5.833	127	773043	9.933	ug/mL#	1
34) Hexachlorobutadiene	5.886	225	238013	9.079	ug/mL	100
35) Caprolactam	6.170	113	191300M4	10.902	ug/ml	
36) 4-Chloro-3-methylphenol	6.305	107	538685	9.448	ug/mL	98
37) 2-Methylnaphthalene	6.439	142	1217300	9.771	ug/mL	100
39) 1,2,4,5-Tetrachlorobenzen	6.603	216	396690	8.917	ug/mL	100
40) Hexachlorocyclopentadiene	6.584	237	198784	9.405	ug/mL	99
41) 2,4,6-Trichlorophenol	6.719	196	288680	9.259	ug/mL	99
42) 2,4,5-Trichlorophenol	6.757	196	291182M4	9.003	ug/mL	
44) Biphenyl	6.897	154	1301002	10.075	ug/ml#	96
45) 2-Chloronaphthalene	6.916	162	983950	9.451	ug/mL#	91
46) 2-Nitroaniline	7.022	65	387844	9.754	ug/mL#	82
47) Acenaphthylene	7.321	152	1707872	9.522	ug/mL	100
48) Dimethylphthalate	7.200	163	1100395	9.721	ug/mL	99
49) 2,6-Dinitrotoluene	7.263	165	259386	9.794	ug/mL#	84
50) Acenaphthene	7.489	153	1067260	9.460	ug/mL	99
51) 3-Nitroaniline	7.427	138	325069	10.524	ug/mL	89
52) 2,4-Dinitrophenol	7.533	184	110093	6.312	ug/mL#	76
53) Dibenzofuran	7.667	168	1435925	9.974	ug/mL	93
54) 2,3,4,6-Tetrachlorophenol	7.797	232	211934	9.971		94
55) 2,4-Dinitrotoluene	7.663	165	360216	9.836	ug/mL#	39
56) 4-Nitrophenol	7.610	109	174418	10.173	ug/mL	87
57) Fluorene	8.033	166	1203570	10.155	ug/mL	98
58) 4-Chlorophenyl-phenylethe	8.033	204	505089	9.877	ug/mL	95
59) Diethylphthalate	7.913	149	1199500	9.847	ug/mL	96
60) 4-Nitroaniline	8.072	138	301252M4	10.094	ug/mL	
62) 4,6-Dinitro-2-methylpheno	8.106	198	171275	7.851	ug/mL#	100
63) Azobenzene	8.216	182	306755	9.047	ug/mL	57
64) n-Nitrosodiphenylamine	8.173	169	976775	11.428	ug/mL	99
66) 4-Bromophenyl-phenylether	8.621	248	244358	9.370	ug/mL	91
67) Hexachlorobenzene	8.688	284	234289	9.033	ug/mL#	83
68) Atrazine	8.852	200	287323	9.954	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051519.D
Acq On : 5 Dec 2015 6:06 pm
Operator : PAH16:JT
Sample : CQ1612051503
Misc : WG851800,MSAG77
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 17 15:37:08 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:35:50 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	8.963	266	122376	6.813	ug/mL	99
70) Pentachloronitrobenzene	8.972	237	115527	9.005	ug/ml	99
71) Phenanthrene	9.256	178	1717242	10.114	ug/mL	100
72) Anthracene	9.334	178	1731737	10.472	ug/mL	98
73) Carbazole	9.589	167	1698704	10.553	ug/mL	99
74) Di-n-butylphthalate	10.200	149	2208697	11.118	ug/mL	99
75) Fluoranthene	11.284	202	1827950	10.965	ug/mL#	92
77) Benzidine	0.000		0	N.D.	d	
78) Pyrene	11.722	202	1814712	10.349	ug/mL#	90
80) Butylbenzylphthalate	13.311	149	970128	10.436	ug/mL	90
81) 3,3'-Dichlorobenzidine	14.452	252	384989	7.453	ug/mL#	96
82) Benz[a]anthracene	14.418	228	1571573	10.085	ug/mL	99
83) Chrysene	14.496	228	1331828	8.967	ug/mL	99
84) bis(2-Ethylhexyl)phthalat	14.780	149	1178381	9.771	ug/mL#	92
86) Di-n-octylphthalate	16.311	149	2128128	10.063	ug/mL	100
87) Benzo[b]fluoranthene	16.826	252	1386474	10.020	ug/mL#	96
88) Benzo[k]fluoranthene	16.884	252	1310479	9.914	ug/mL#	96
89) Benzo[a]pyrene	17.452	252	1306020	10.038	ug/mL#	95
90) Indeno[1,2,3-cd]pyrene	19.388	276	1100292	9.850	ug/mL#	91
91) Dibenz[a,h]anthracene	19.436	278	1047301M4	9.499	ug/mL	
92) Benzo[g,h,i]perylene	19.797	276	1038887	8.993	ug/mL#	84

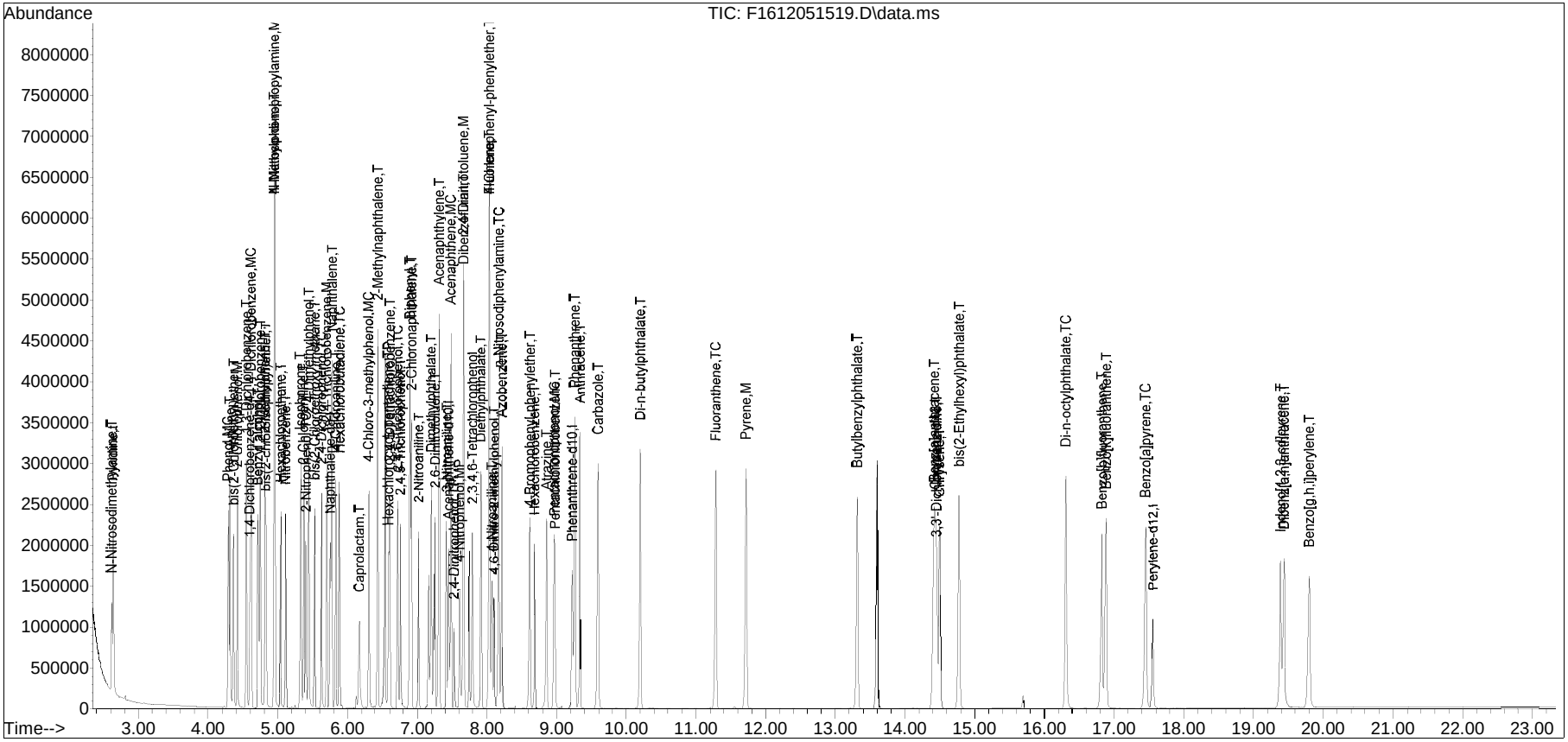
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051519.D
Acq On : 5 Dec 2015 6:06 pm
Operator : PAH16:JT
Sample : CQ1612051503
Misc : WG851800,MSAG77
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 17 15:37:08 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:35:50 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

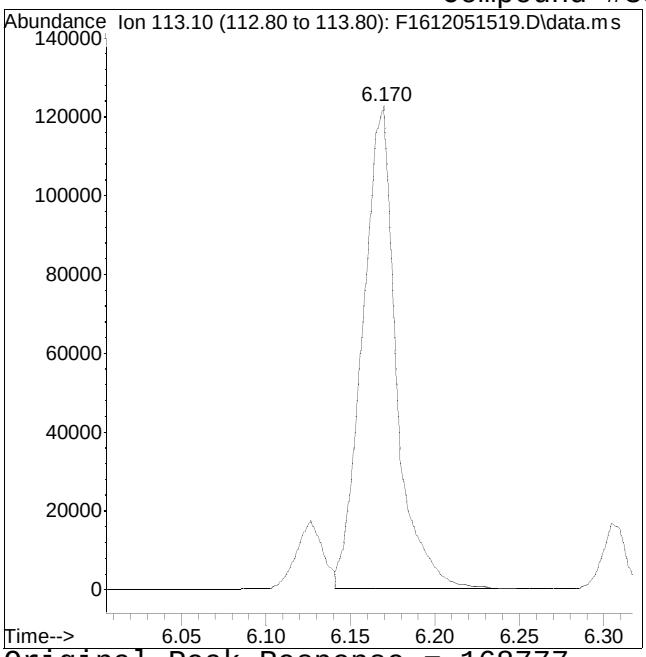


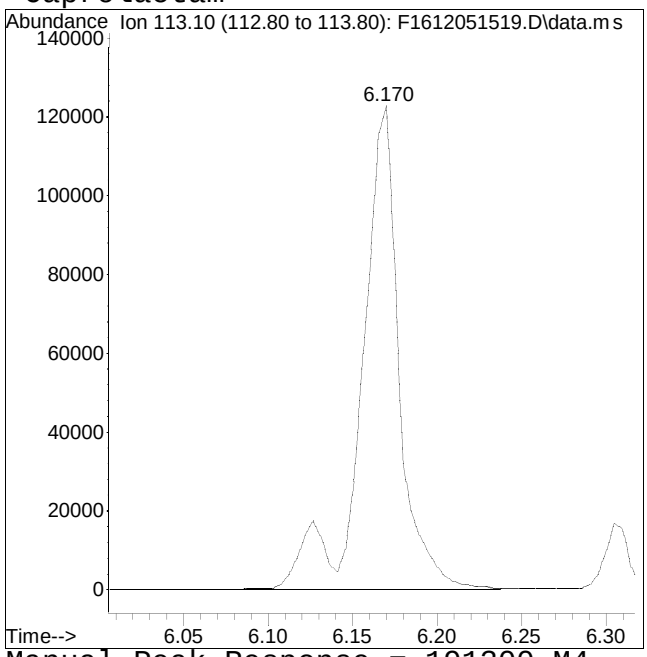
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051519.D
Date Inj'd : 12/5/2015 6:06 pm
Sample : CQ1612051503

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:35 pm

Compound #35: Caprolactam





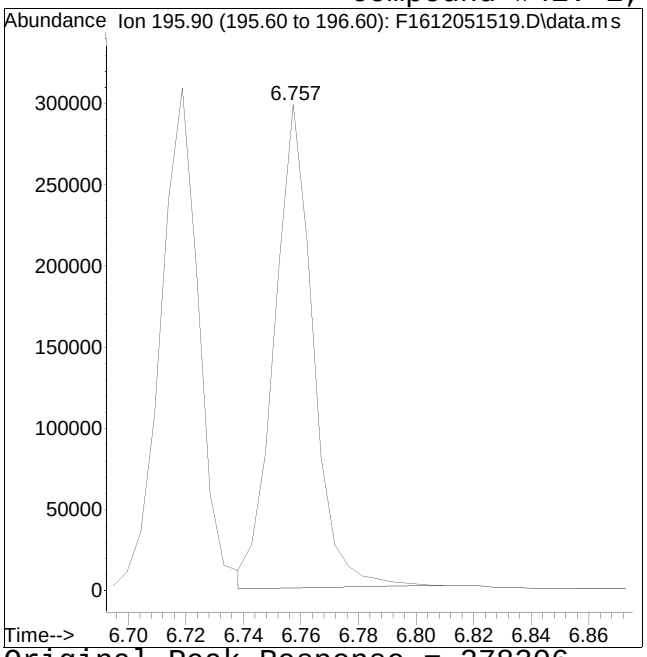
Original Peak Response = 168777 Manual Peak Response = 191300 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

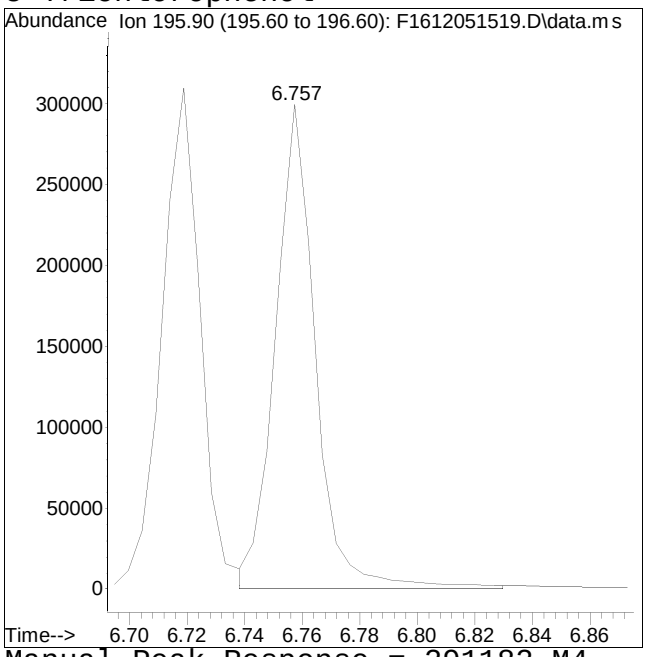
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051519.D
Date Inj'd : 12/5/2015 6:06 pm
Sample : CQ1612051503

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:35 pm

Compound #42: 2,4,5-Trichlorophenol



Original Peak Response = 278306



Manual Peak Response = 291182 M4

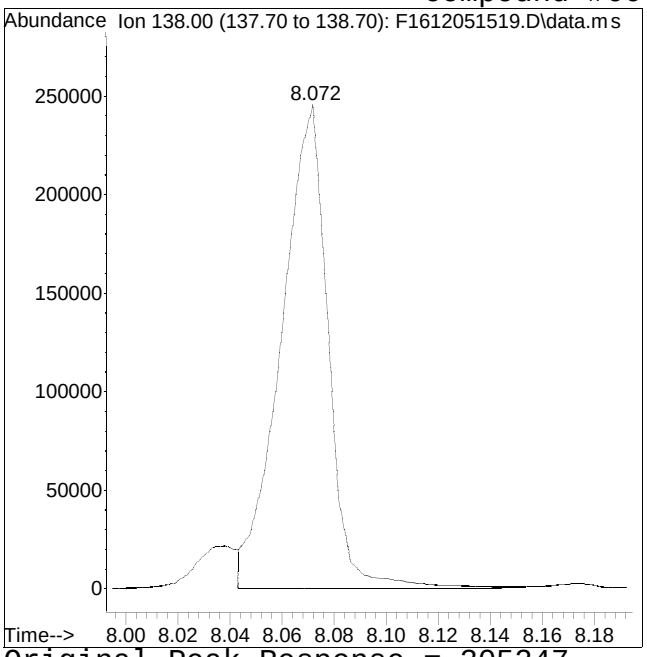
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

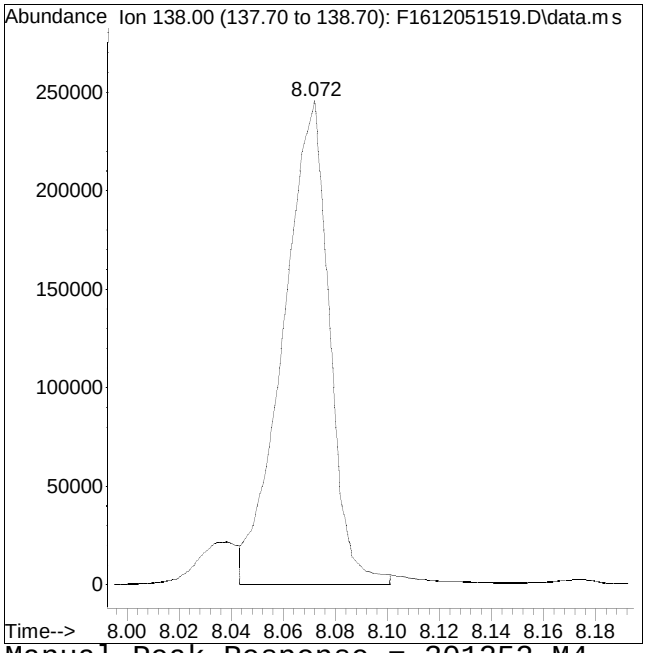
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051519.D
Date Inj'd : 12/5/2015 6:06 pm
Sample : CQ1612051503

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:35 pm

Compound #60: 4-Nitroaniline



Original Peak Response = 305247



Manual Peak Response = 301252 M4

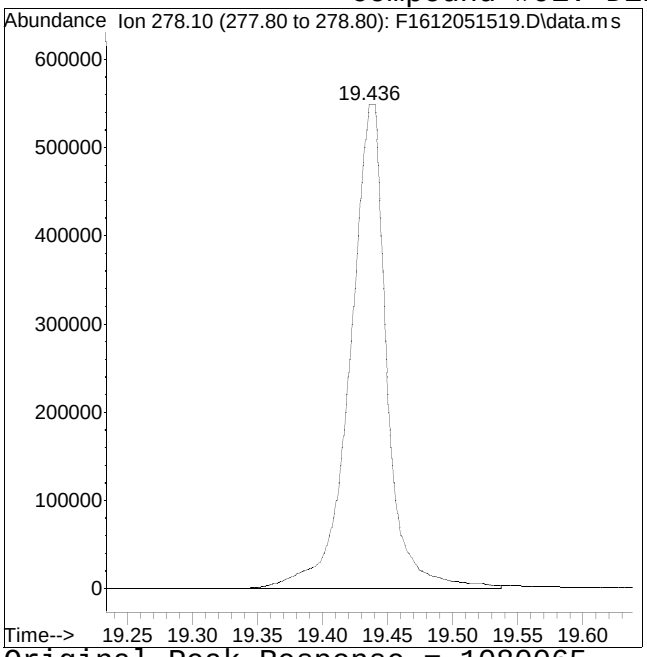
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

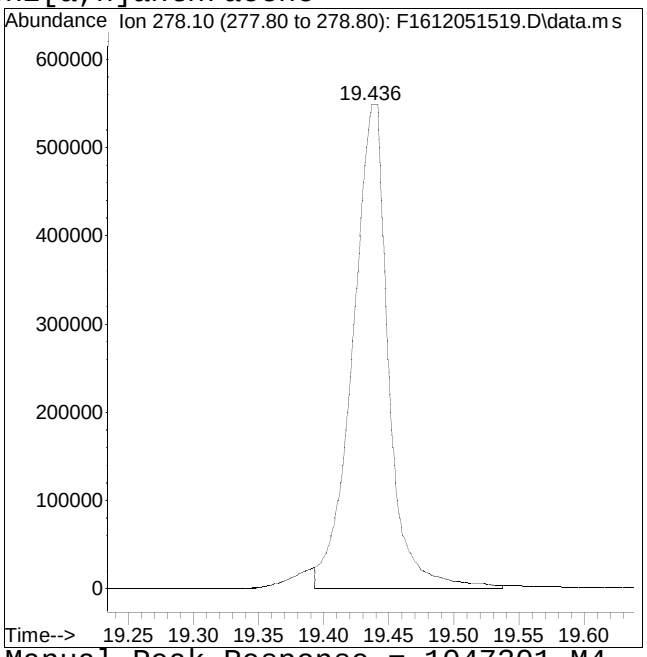
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051519.D
Date Inj'd : 12/5/2015 6:06 pm
Sample : CQ1612051503

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:35 pm

Compound #91: Dibenz[a,h]anthracene



Original Peak Response = 1080065



Manual Peak Response = 1047301 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051520.D
Acq On : 5 Dec 2015 6:34 pm
Operator : PAH16:JT
Sample : CQ1612051504
Misc : WG851800,MSAG60
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 17 15:35:34 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:35:56 2015
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
2	T	N-Nitrosodimethylamine	0.842	0.000	100.0#	0#	-2.62#
3	t	Pyridine	1.536	0.000	100.0#	0#	-2.63#
4	S	2-Fluorophenol	1.400	0.000	100.0#	0#	-3.55#
5	T	Benzaldehyde	1.153	0.000	100.0#	0#	-4.22#
6	T	Aniline	2.137	0.000	100.0#	0#	-4.31#
7	T	bis(2-Chloroethyl)ether	1.181	0.000	100.0#	0#	-4.36#
8	S	Phenol-d5	1.888	0.000	100.0#	0#	-4.28#
9	MC	Phenol	1.952	0.000	100.0#	0#	-4.29#
10	M	2-Chlorophenol	1.545	0.000	100.0#	0#	-4.42#
11	T	1,3-Dichlorobenzene	1.662	0.000	100.0#	0#	-4.54#
12	MC	1,4-Dichlorobenzene	1.674	0.000	100.0#	0#	-4.61#
13	T	1,2-Dichlorobenzene	1.572	0.000	100.0#	0#	-4.74#
14	T	Benzyl alcohol	0.979	0.000	100.0#	0#	-4.72#
15	T	bis(2-chloroisopropyl)ether	2.280	0.000	100.0#	0#	-4.83#
16	T	2-Methylphenol	1.358	0.000	100.0#	0#	-4.81#
17	T	Acetophenone	1.763	0.000	100.0#	0#	-4.95#
18	T	Hexachloroethane	0.702	0.000	100.0#	0#	-5.04#
19	MP	N-Nitroso-di-n-propylamine	1.172	0.000	100.0#	0#	-4.95#
20	T	4-Methylphenol	1.476	0.000	100.0#	0#	-4.95#
21	I	Naphthalene-d8	1.000	1.000	0.0	107	0.00
22	S	Nitrobenzene-d5	0.422	0.000	100.0#	0#	-5.09#
23	T	Nitrobenzene	0.440	0.000	100.0#	0#	-5.11#
24	T	Isophorone	0.652	0.000	100.0#	0#	-5.33#
25	TC	2-Nitrophenol	0.204	0.000	100.0#	0#	-5.40#
26	T	2,4-Dimethylphenol	0.313	0.000	100.0#	0#	-5.44#
27	T	Benzoic acid	* 10.000	7.207	27.9	75	0.00
28	T	bis(2-Chloroethoxy)methane	0.438	0.000	100.0#	0#	-5.53#
29	TC	2,4-Dichlorophenol	0.285	0.000	100.0#	0#	-5.63#
30	M	1,2,4-Trichlorobenzene	0.304	0.000	100.0#	0#	-5.70#
31	T	Naphthalene	1.120	0.000	100.0#	0#	-5.78#
32	T	2-Chloroaniline	0.580	0.000	100.0#	0#	-5.37#
33	T	4-Chloroaniline	0.454	0.000	100.0#	0#	-5.83#
34	TC	Hexachlorobutadiene	0.153	0.000	100.0#	0#	-5.89#
35	T	Caprolactam	0.102	0.000	100.0#	0#	-6.15#
36	MC	4-Chloro-3-methylphenol	0.333	0.000	100.0#	0#	-6.30#
37	T	2-Methylnaphthalene	0.727	0.000	100.0#	0#	-6.44#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051520.D
Acq On : 5 Dec 2015 6:34 pm
Operator : PAH16:JT
Sample : CQ1612051504
Misc : WG851800,MSAG60
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 17 15:35:34 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:35:56 2015
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
38	I	Acenaphthene-d10		1.000	1.000	0.0	99	0.00
39	T	1,2,4,5-Tetrachlorobenzene		0.546	0.000	100.0#	0#	-6.60#
40	TP	Hexachlorocyclopentadiene	*	10.000	0.000	100.0#	0	-6.59#
41	TC	2,4,6-Trichlorophenol		0.383	0.000	100.0#	0#	-6.72#
42	T	2,4,5-Trichlorophenol		0.397	0.000	100.0#	0#	-6.76#
43	S	2-Fluorobiphenyl		1.417	0.000	100.0#	0#	-6.80#
44	T	Biphenyl		1.585	0.000	100.0#	0#	-6.90#
45	T	2-Chloronaphthalene		1.278	0.000	100.0#	0#	-6.92#
46	T	2-Nitroaniline		0.488	0.000	100.0#	0#	-7.02#
47	T	Acenaphthylene		2.202	0.000	100.0#	0#	-7.32#
48	T	Dimethylphthalate		1.390	0.000	100.0#	0#	-7.20#
49	T	2,6-Dinitrotoluene		0.325	0.000	100.0#	0#	-7.26#
50	MC	Acenaphthene		1.385	0.000	100.0#	0#	-7.49#
51	T	3-Nitroaniline		0.379	0.000	100.0#	0#	-7.43#
52	TP	2,4-Dinitrophenol	*	10.000	0.000	100.0#	0	-7.54#
53	T	Dibenzofuran		1.767	0.000	100.0#	0#	-7.67#
54		2,3,4,6-Tetrachlorophenol		0.261	0.000	100.0#	0#	-7.80#
55	M	2,4-Dinitrotoluene		0.450	0.000	100.0#	0#	-7.67#
56	MP	4-Nitrophenol		0.210	0.000	100.0#	0#	-7.61#
57	T	Fluorene		1.455	0.000	100.0#	0#	-8.04#
58	T	4-Chlorophenyl-phenylether		0.628	0.000	100.0#	0#	-8.04#
59	T	Diethylphthalate		1.495	0.000	100.0#	0#	-7.92#
60	T	4-Nitroaniline		0.366	0.000	100.0#	0#	-8.07#
61	I	Phenanthrene-d10		1.000	1.000	0.0	94	0.00
62	T	4,6-Dinitro-2-methylphenol	*	10.000	0.000	100.0#	0	-8.11#
63	T	Azobenzene		0.218	0.000	100.0#	0#	-8.22#
64	TC	n-Nitrosodiphenylamine		0.550	0.000	100.0#	0#	-8.18#
65	S	2,4,6-Tribromophenol		0.066	0.000	100.0#	0#	-8.32#
66	T	4-Bromophenyl-phenylether		0.168	0.000	100.0#	0#	-8.62#
67	T	Hexachlorobenzene		0.167	0.000	100.0#	0#	-8.69#
68	T	Atrazine		0.186	0.000	100.0#	0#	-8.85#
69	MC	Pentachlorophenol	*	10.000	0.000	100.0#	0	-8.97#
70	T	Pentachloronitrobenzene		0.082	0.000	100.0#	0#	-8.98#
71	T	Phenanthrene		1.092	0.000	100.0#	0#	-9.26#
72	T	Anthracene		1.063	0.000	100.0#	0#	-9.33#
73	T	Carbazole		1.035	0.000	100.0#	0#	-9.59#
74	T	Di-n-butylphthalate		1.277	0.000	100.0#	0#	-10.21#
75	TC	Fluoranthene		1.072	0.000	100.0#	0#	-11.29#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051520.D
Acq On : 5 Dec 2015 6:34 pm
Operator : PAH16:JT
Sample : CQ1612051504
Misc : WG851800,MSAG60
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 17 15:35:34 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:35:56 2015
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
76	I	Chrysene-d12	1.000	1.000	0.0	90	0.00
77	T	Benzidine	* 10.000	0.000	100.0#	0	-11.62#
78	M	Pyrene	1.254	0.000	100.0#	0#	-11.73#
79	S	Terphenyl-d14	0.744	0.000	100.0#	0#	-12.13#
80	T	Butylbenzylphthalate	0.665	0.000	100.0#	0#	-13.32#
81	T	3,3'-Dichlorobenzidine	0.369	0.000	100.0#	0#	-14.46#
82	T	Benz[a]anthracene	1.114	0.000	100.0#	0#	-14.42#
83	T	Chrysene	1.062	0.000	100.0#	0#	-14.51#
84	T	bis(2-Ethylhexyl)phthalate	0.862	0.000	100.0#	0#	-14.78#
85	I	Perylene-d12	1.000	1.000	0.0	110	0.00
86	TC	Di-n-octylphthalate	1.768	0.000	100.0#	0#	-16.32#
87	T	Benzo[b]fluoranthene	1.157	0.000	100.0#	0#	-16.83#
88	T	Benzo[k]fluoranthene	1.105	0.000	100.0#	0#	-16.89#
89	TC	Benzo[a]pyrene	1.088	0.000	100.0#	0#	-17.47#
90	T	Indeno[1,2,3-cd]pyrene	0.934	0.000	100.0#	0#	-19.39#
91	T	Dibenz[a,h]anthracene	0.922	0.000	100.0#	0#	-19.45#
92	T	Benzo[g,h,i]perylene	0.966	0.000	100.0#	0#	-19.81#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 13

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051520.D
Acq On : 5 Dec 2015 6:34 pm
Operator : PAH16:JT
Sample : CQ1612051504
Misc : WG851800,MSAG60
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 17 15:35:34 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:35:56 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.591	152	216098	5.000	ug/mL	0.00
21) Naphthalene-d8	5.756	136	867812	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.456	164	412044	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.218	188	744652	5.000	ug/mL	0.00
76) Chrysene-d12	14.428	240	610087	5.000	ug/mL	0.00
85) Perylene-d12	17.553	264	621580	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		

Target Compounds			Qvalue
2) N-Nitrosodimethylamine	0.000	0	N.D.
3) Pyridine	0.000	0	N.D. d
5) Benzaldehyde	0.000	0	N.D.
6) Aniline	0.000	0	N.D.
7) bis(2-Chloroethyl)ether	0.000	0	N.D.
9) Phenol	0.000	0	N.D.
10) 2-Chlorophenol	0.000	0	N.D.
11) 1,3-Dichlorobenzene	0.000	0	N.D.
12) 1,4-Dichlorobenzene	0.000	0	N.D.
13) 1,2-Dichlorobenzene	0.000	0	N.D.
14) Benzyl alcohol	0.000	0	N.D.
15) bis(2-chloroisopropyl)eth	0.000	0	N.D.
16) 2-Methylphenol	0.000	0	N.D.
17) Acetophenone	0.000	0	N.D. d
18) Hexachloroethane	0.000	0	N.D.
19) N-Nitroso-di-n-propylamin	0.000	0	N.D.
20) 4-Methylphenol	0.000	0	N.D.
23) Nitrobenzene	0.000	0	N.D.

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051520.D
Acq On : 5 Dec 2015 6:34 pm
Operator : PAH16:JT
Sample : CQ1612051504
Misc : WG851800,MSAG60
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 17 15:35:34 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:35:56 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0		N.D.	
25) 2-Nitrophenol	0.000		0		N.D.	
26) 2,4-Dimethylphenol	0.000		0		N.D.	d
27) Benzoic acid	5.539	105	326837M4	7.207	ug/mL	
28) bis(2-Chloroethoxy)methan	0.000		0		N.D.	d
29) 2,4-Dichlorophenol	0.000		0		N.D.	
30) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
31) Naphthalene	0.000		0		N.D.	
32) 2-Chloroaniline	0.000		0		N.D.	
33) 4-Chloroaniline	0.000		0		N.D.	
34) Hexachlorobutadiene	0.000		0		N.D.	
35) Caprolactam	0.000		0		N.D.	
36) 4-Chloro-3-methylphenol	0.000		0		N.D.	
37) 2-Methylnaphthalene	0.000		0		N.D.	
39) 1,2,4,5-Tetrachlorobenzen	0.000		0		N.D.	
40) Hexachlorocyclopentadiene	0.000		0		N.D.	
41) 2,4,6-Trichlorophenol	0.000		0		N.D.	
42) 2,4,5-Trichlorophenol	0.000		0		N.D.	
44) Biphenyl	0.000		0		N.D.	
45) 2-Chloronaphthalene	0.000		0		N.D.	
46) 2-Nitroaniline	0.000		0		N.D.	
47) Acenaphthylene	0.000		0		N.D.	
48) Dimethylphthalate	0.000		0		N.D.	
49) 2,6-Dinitrotoluene	0.000		0		N.D.	
50) Acenaphthene	0.000		0		N.D.	
51) 3-Nitroaniline	0.000		0		N.D.	
52) 2,4-Dinitrophenol	0.000		0		N.D.	
53) Dibenzofuran	0.000		0		N.D.	
54) 2,3,4,6-Tetrachlorophenol	0.000		0		N.D.	
55) 2,4-Dinitrotoluene	0.000		0		N.D.	
56) 4-Nitrophenol	0.000		0		N.D.	
57) Fluorene	0.000		0		N.D.	
58) 4-Chlorophenyl-phenylethe	0.000		0		N.D.	
59) Diethylphthalate	0.000		0		N.D.	d
60) 4-Nitroaniline	0.000		0		N.D.	
62) 4,6-Dinitro-2-methylpheno	0.000		0		N.D.	
63) Azobenzene	0.000		0		N.D.	
64) n-Nitrosodiphenylamine	0.000		0		N.D.	
66) 4-Bromophenyl-phenylether	0.000		0		N.D.	
67) Hexachlorobenzene	0.000		0		N.D.	
68) Atrazine	0.000		0		N.D.	

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051520.D
Acq On : 5 Dec 2015 6:34 pm
Operator : PAH16:JT
Sample : CQ1612051504
Misc : WG851800,MSAG60
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 17 15:35:34 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:35:56 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.		
72) Anthracene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	0.000		0	N.D.		
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	0.000		0	N.D.		d
83) Chrysene	0.000		0	N.D.		d
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D.		d
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

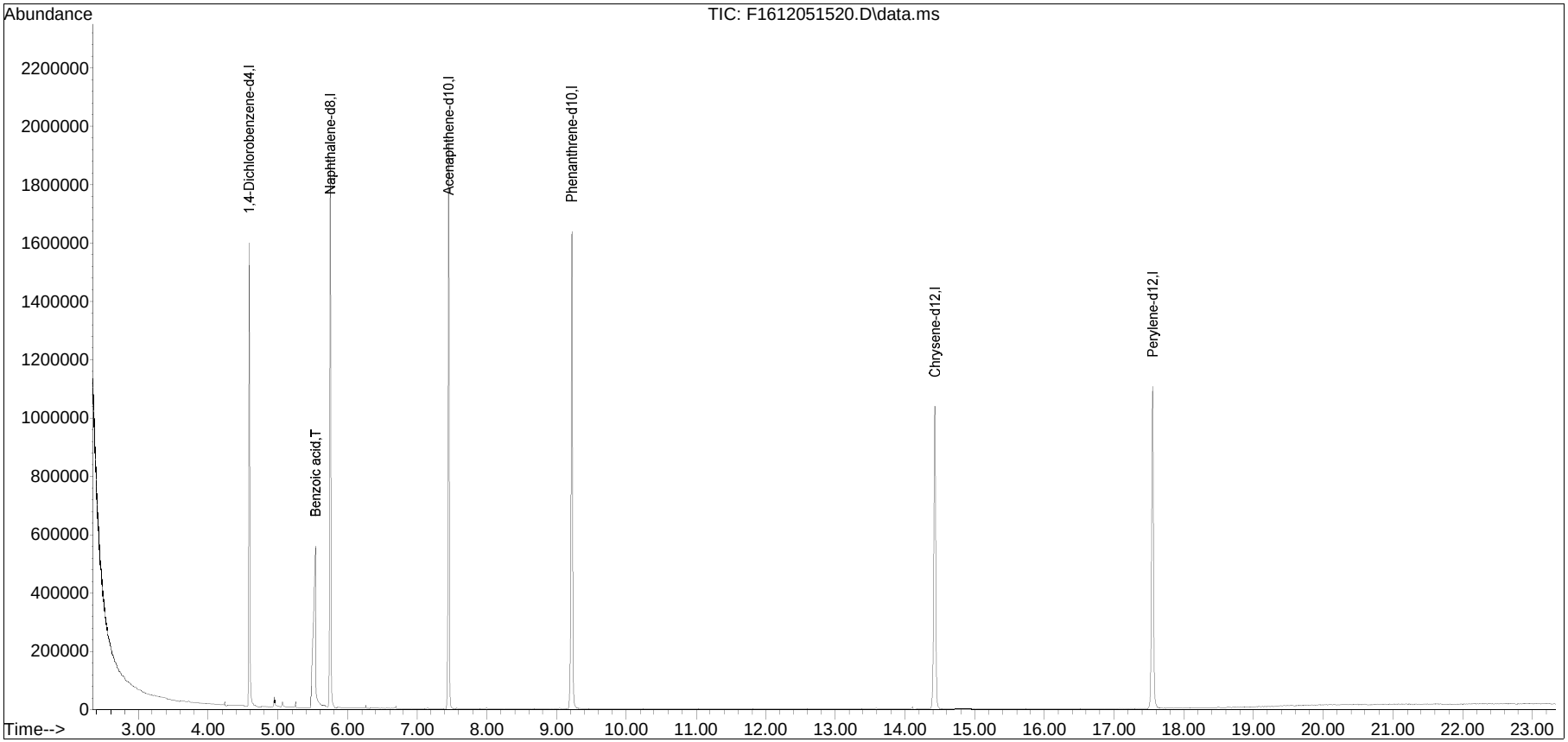
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\Dec05\
Data File : F1612051520.D
Acq On : 5 Dec 2015 6:34 pm
Operator : PAH16:JT
Sample : CQ1612051504
Misc : WG851800,MSAG60
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 17 15:35:34 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\Dec05\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 17 15:35:56 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

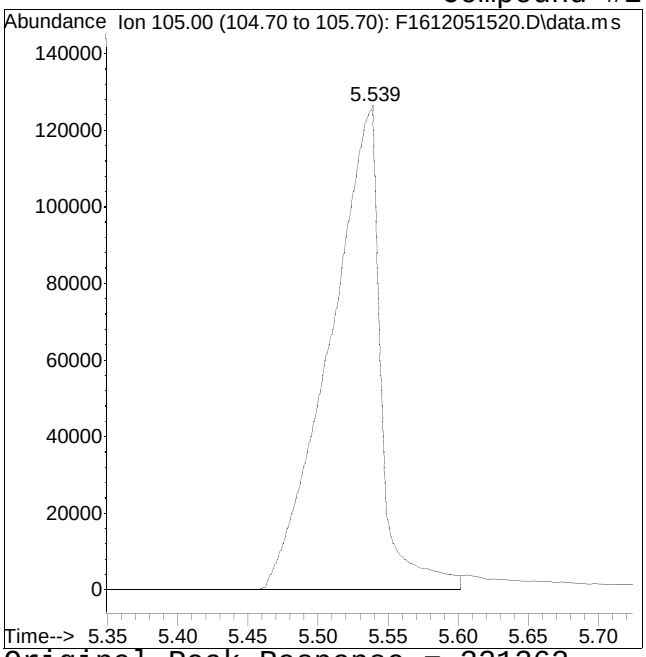


Manual Integration/Negative Proof Report

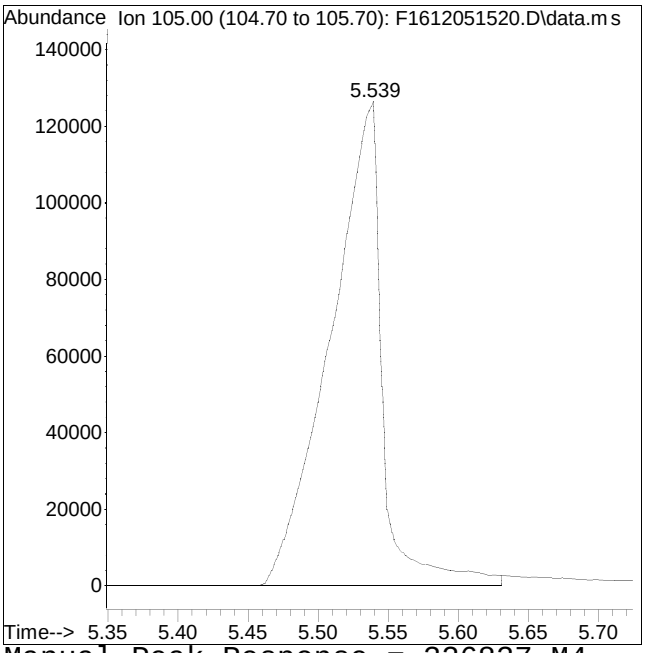
Data Path : O:\Organics\DATA\PAH16\2015Q
Data File : F1612051520.D
Date Inj'd : 12/5/2015 6:34 pm
Sample : CQ1612051504

Method : SV1205PAH16.M
Operator : PAH16:JT
Instrument : PAH16
Quant Date : 12/17/2015 3:35 pm

Compound #27: Benzoic acid



Original Peak Response = 321362



Manual Peak Response = 326837 M4

M4 = Poor automated baseline construction.

Work Group

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Jan 12 2016, 01:03 pm

Work Group: WG852537 for Department: 2 Organic Preparation

Created: 23-DEC-15 Due: Operator: JM

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1533592-01	SW-1A-20151217	S	A2-SVOC-8270	WATER	DONE	U	1224	0112	S0	Amber-A1
L1533592-02	SW-1B-20151217	S	A2-SVOC-8270	WATER	DONE	U	1224	0112	S0	Amber-A1
L1533592-03	SW-1C-20151217	S	A2-SVOC-8270	WATER	DONE	U	1224	0112	S0	Amber-A1
L1533592-04	SW-2A-20151217	S	A2-SVOC-8270	WATER	DONE	U	1224	0112	S0	Amber-A1
L1533592-05	SW-2B-20151217	S	A2-SVOC-8270	WATER	DONE	U	1224	0112	S0	Amber-A1
L1533592-06	SW-2C-20151217	S	A2-SVOC-8270	WATER	DONE	U	1224	0112	S0	Amber-A1
L1533592-07	DUP-20151217	S	A2-SVOC-8270	WATER	DONE	U	1224	0112	S0	Amber-A1
L1533592-09	SW-3A-20151217	S	A2-SVOC-8270	WATER	DONE	U	1224	0112	S0	Amber-A1
L1533592-10	SW-3B-20151217	S	A2-SVOC-8270	WATER	DONE	U	1224	0112	S0	Amber-A1
L1533592-11	SW-3C-20151217	S	A2-SVOC-8270	WATER	DONE	U	1224	0112	S0	Amber-A1
L1533592-12	EB20151217	S	A2-SVOC-8270	WATER	DONE	U	1224	0112	S0	Amber-A1
WG852537-1	Laboratory Method Bl	S	A2-SVOC-8270	WATER	DONE	U				
WG852537-2	Laboratory Control S	S	A2-SVOC-8270	WATER	DONE	U				
WG852537-3	LCS Duplicate	S	A2-SVOC-8270	WATER	DONE	U				
WG852537-4	Matrix Spike	S	A2-SVOC-8270	WATER	DONE	U				
WG852537-5	Matrix Spike Duplica	S	A2-SVOC-8270	WATER	DONE	U				

Comments:

WG852537-3	WG852537-2
WG852537-4	L1533592-05
WG852537-5	L1533592-05

Sequence Logs

12/22/15

Total Files Reported in Log : 20
Log Generated From Directory: O:\Organics\DATA\PAH16\2015\Dec\Dec05\

No.	DATA FILE	INJ METH	SAMPLE NAME		MISC	DATE INJ'D
1	F1612051501.D	8270PAH16.M	T1612051501	Tune OK ✓	WG851800,MSAG24	12/5/2015 9:23 am
2	F1612051502.D	8270PAH16.M	I1612051501		WG851800,MSAG52	12/5/2015 9:52 am
3	F1612051503.D	8270PAH16.M	I1612051502		WG851800,MSAG51	12/5/2015 10:21 am
4	F1612051504.D	8270PAH16.M	I1612051503		WG851800,MSAG50	12/5/2015 10:50 am
5	F1612051505.D	8270PAH16.M	I1612051504		WG851800,MSAG49	12/5/2015 11:19 am
6	F1612051506.D	8270PAH16.M	I1612051505		WG851800,MSAG48	12/5/2015 11:48 am
7	F1612051507.D	8270PAH16.M	I1612051506		WG851800,MSAG47	12/5/2015 12:17 pm
8	F1612051508.D	8270PAH16.M	I1612051507		WG851800,MSAG46	12/5/2015 12:47 pm
9	F1612051509.D	8270PAH16.M	I1612051508		WG851800,MSAG39 X2	12/5/2015 1:16 pm
10	F1612051510.D	8270PAH16.M	I1612051509	SV1205PAH16	WG851800,MSAG59	12/5/2015 1:45 pm
11	F1612051511.D	8270PAH16.M	I1612051510		WG851800,MSAG58	12/5/2015 2:14 pm
12	F1612051512.D	8270PAH16.M	I1612051511		WG851800,MSAG57	12/5/2015 2:43 pm
13	F1612051513.D	8270PAH16.M	I1612051512		WG851800,MSAG56	12/5/2015 3:12 pm
14	F1612051514.D	8270PAH16.M	I1612051513		WG851800,MSAG55	12/5/2015 3:41 pm
15	F1612051515.D	8270PAH16.M	I1612051514		WG851800,MSAG54	12/5/2015 4:10 pm
16	F1612051516.D	8270PAH16.M	I1612051515		WG851800,MSAG53	12/5/2015 4:39 pm
17	F1612051517.D	8270PAH16.M	CQ1612051501		WG851800,MSAF73	12/5/2015 5:08 pm
18	F1612051518.D	8270PAH16.M	CQ1612051502	ICV's OK	WG851800,MSAF51	12/5/2015 5:37 pm
19	F1612051519.D	8270PAH16.M	CQ1612051503		WG851800,MSAG77	12/5/2015 6:06 pm
20	F1612051520.D	8270PAH16.M	CQ1612051504		WG851800,MSAG60	12/5/2015 6:34 pm

ICAL 11866

12/22/15
JW

Analysis log File

Total Files Reported in Log : 26
Log Generated From Directory: O:\Organics\DATA\PAH16\2015\Dec\DEC31\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F1612311501.d	8270PAH16.M	TUNE	WG,MSAG73	12/31/2015 10:21 am
2	F1612311502.d	8270PAH16.M	CCV	WG,MSAH07	12/31/2015 10:51 am
3	F1612311503.d	8270PAH16.M	CCV	WG,MSAG81	12/31/2015 11:20 am
4	F1612311504.d	8270PAH16.M	CCV	WG,MSAG81	12/31/2015 12:22 pm
5	F1612311505.d	8270PAH16.M	WG854333-1 1/2 TUNE/DEC	WG854333,MSAG73	12/31/2015 1:44 pm
6	F1612311506.d	8270PAH16.M	WG854333-3 > CCV's OK ✓	WG854333,MSAH07	12/31/2015 2:13 pm
7	F1612311507.d	8270PAH16.M	WG854333-4	WG854333,MSAG81	12/31/2015 2:42 pm
8	F1612311508.d	8270PAH16.M	WG852537-1	WG854333,WG852537..	12/31/2015 3:13 pm
9	F1612311509.d	8270PAH16.M	WG852537-2 > QC OK ✓	WG854333,WG852537..	12/31/2015 3:42 pm
10	F1612311510.d	8270PAH16.M	WG852537-3	WG854333,WG852537..	12/31/2015 4:11 pm
11	F1612311511.d	8270PAH16.M	L1533592-01 ✓	WG854333,WG852537..	12/31/2015 4:40 pm
12	F1612311512.d	8270PAH16.M	L1533592-02 ✓	WG854333,WG852537..	12/31/2015 5:09 pm
13	F1612311513.d	8270PAH16.M	L1533592-03 ✓	WG854333,WG852537..	12/31/2015 5:38 pm
14	F1612311514.d	8270PAH16.M	L1533592-04 ✓	WG854333,WG852537..	12/31/2015 6:07 pm
15	F1612311515.d	8270PAH16.M	L1533592-05 ✓	WG854333,WG852537..	12/31/2015 6:36 pm
16	F1612311516.d	8270PAH16.M	WG852537-4 MS ✓	WG854333,WG852537..	12/31/2015 7:05 pm
17	F1612311517.d	8270PAH16.M	WG852537-5 MSD ✓	WG854333,WG852537..	12/31/2015 7:34 pm
18	F1612311518.d	8270PAH16.M	L1533592-06 ✓	WG854333,WG852537..	12/31/2015 8:03 pm
19	F1612311519.d	8270PAH16.M	L1533592-07 ✓	WG854333,WG852537..	12/31/2015 8:32 pm
20	F1612311520.d	8270PAH16.M	L1533592-09 ✓	WG854333,WG852537..	12/31/2015 9:01 pm
21	F1612311521.d	8270PAH16.M	L1533592-10 ✓	WG854333,WG852537..	12/31/2015 9:30 pm
22	F1612311522.d	8270PAH16.M	L1533592-11 ✓	WG854333,WG852537..	12/31/2015 9:59 pm
23	F1612311523.d	8270PAH16.M	L1533592-12 ✓	WG854333,WG852537..	12/31/2015 10:28 pm
24	F1612311524.d	8270PAH16.M	L1533877-01	WG854333,WG852539..	12/31/2015 10:57 pm
25	F1612311525.d	8270PAH16.M	L1533877-02	WG854333,WG852539..	12/31/2015 11:26 pm
26	F1612311526.d	8270PAH16.M	L1533877-03	WG854333,WG852539..	12/31/2015 11:55 pm

1/12/16
JW

Printed: 01/12/16

SeqLog 1.0 - (c) 2009 Abacus Database Applications

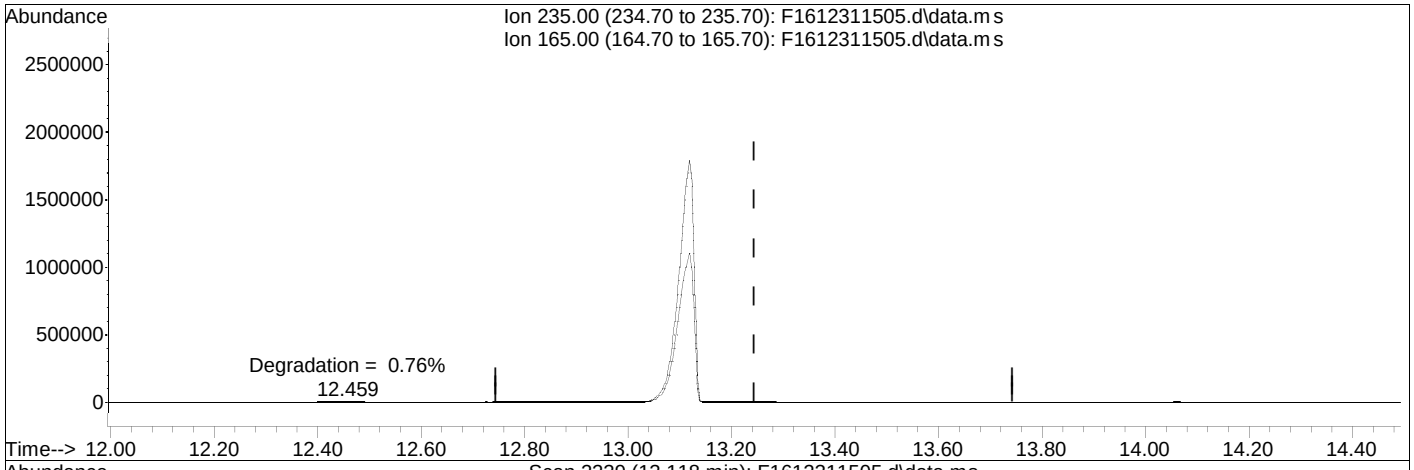
Analytical Event

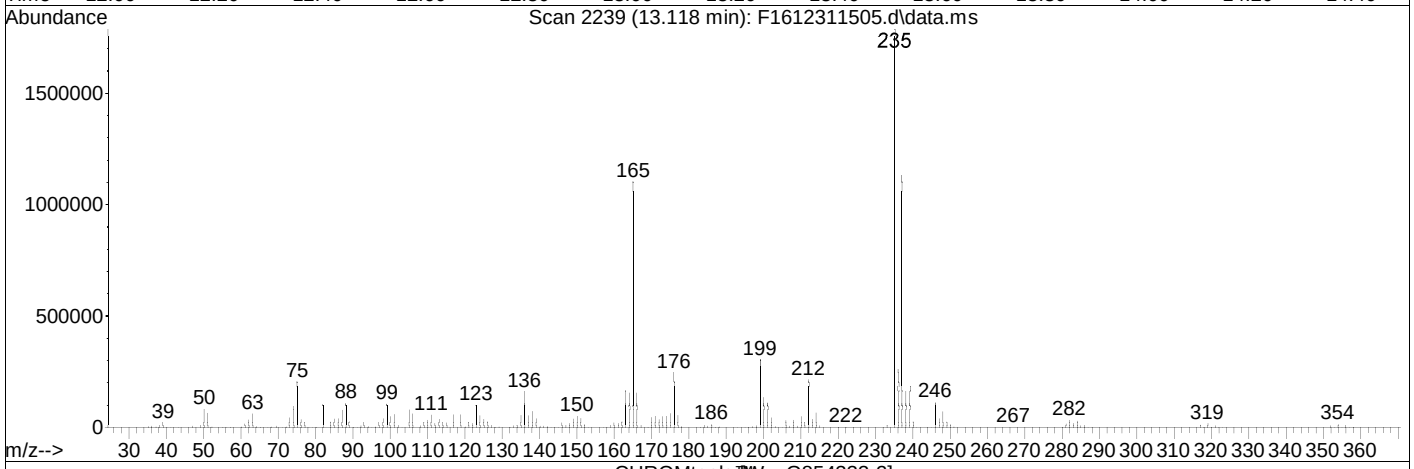
Degradation Check Standard

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311505.d
Acq On : 31 Dec 2015 1:44 pm
Operator : PAH16:JT
Sample : WG854333-2
Misc : WG854333,MSAG73
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 31 14:23:03 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\DFTPPPAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 29 10:27:29 2015
Response via : Initial Calibration





CHROMtools TM [WG854333-2]

(4) DDT ( )

13.118min (-0.125) 0.00

response 3501635

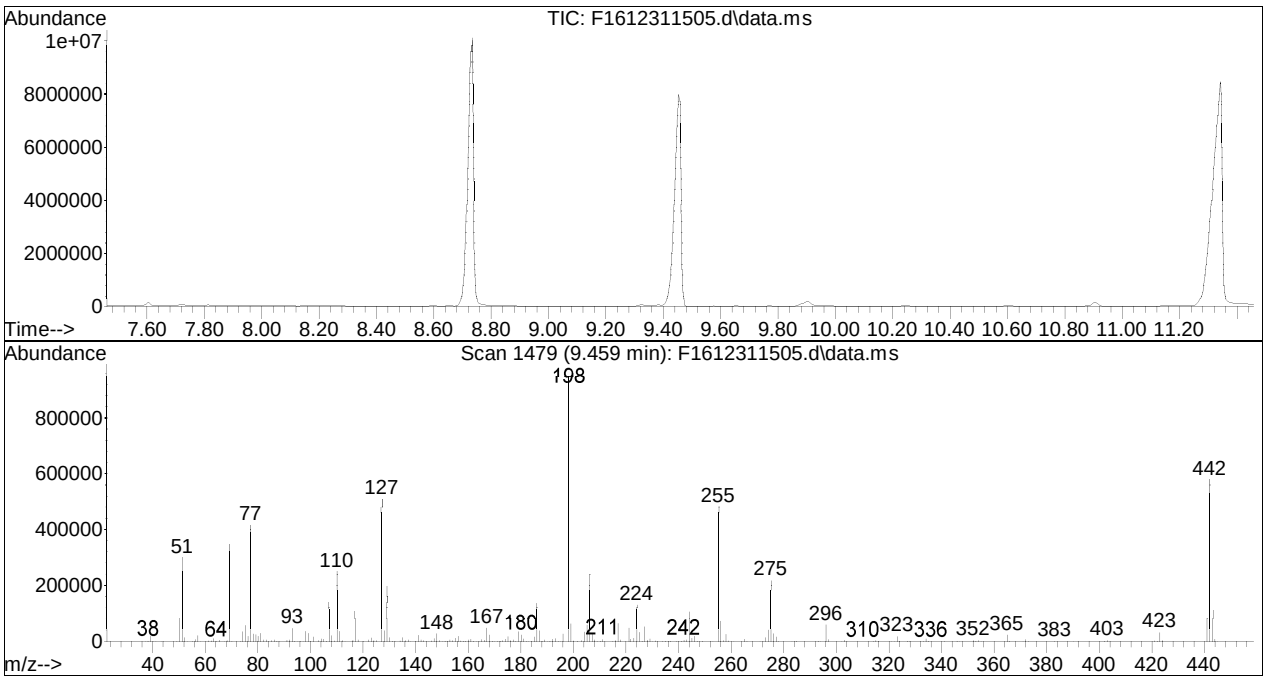
Ion	Exp%	Act%
235.00	100	100
165.00	65.40	65.64
0.00	0.00	0.00
0.00	0.00	0.00

Continuing Calibration
DFTPP Tune

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311505.d
Acq On : 31 Dec 2015 1:44 pm
Operator : PAH16:JT
Sample : WG854333-1
Misc : WG854333,MSAG73
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Dec 31 12:51:55 2015



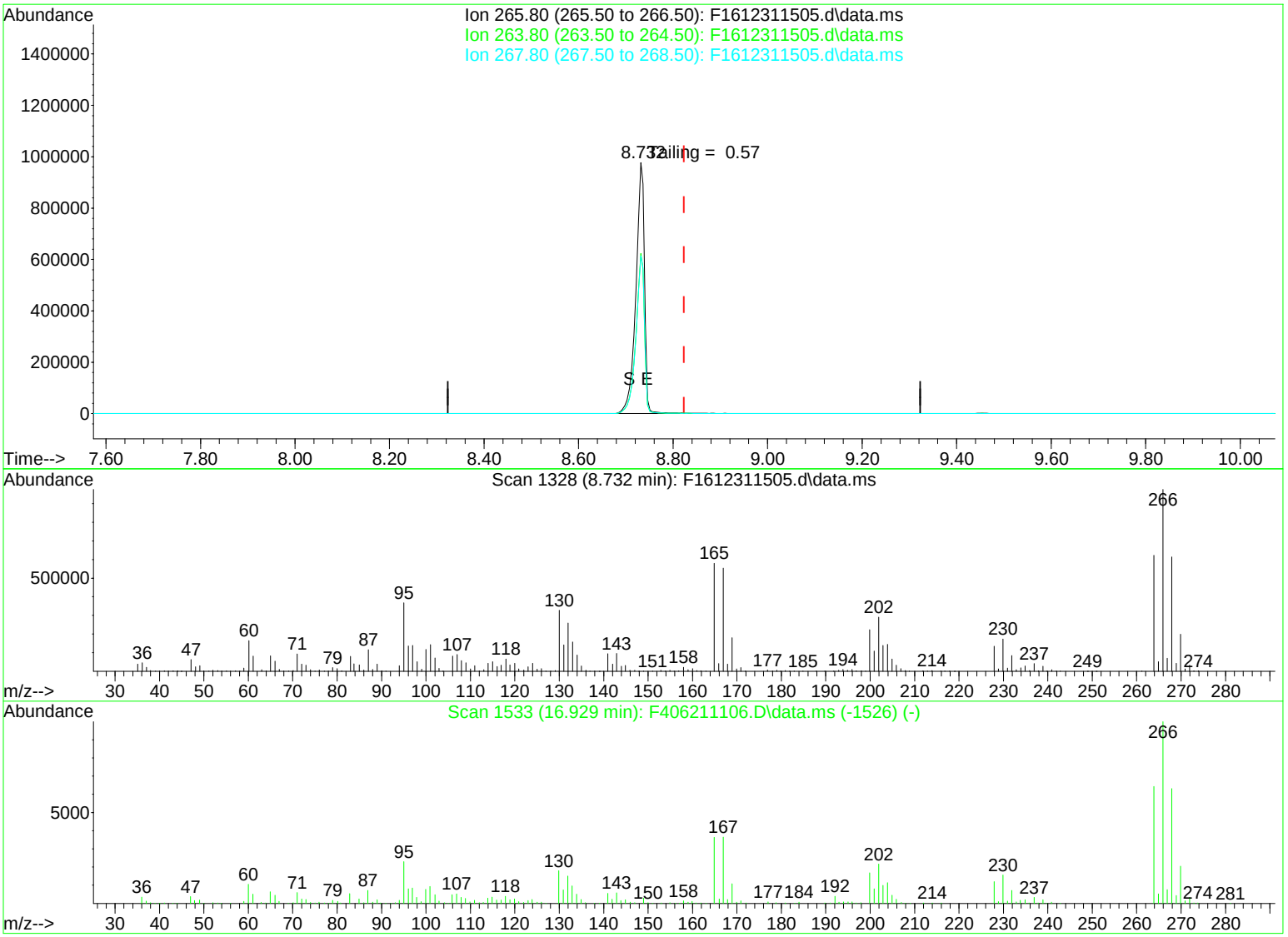
Spectrum Information: Scan 1479

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	31.7	299136	PASS
68	69	0.00	2	1.8	6293	PASS
70	69	0.00	2	0.7	2360	PASS
127	198	10	80	54.0	509440	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	944064	PASS
199	198	5	9	6.5	61512	PASS
275	198	10	60	23.2	218688	PASS
365	198	1	100	2.5	23816	PASS
441	442	0.01	24	14.4	83288	PASS
442	198	50	100	61.2	577344	PASS
443	442	15	24	18.9	108904	PASS

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311505.d
Acq On : 31 Dec 2015 1:44 pm
Operator : PAH16:JT
Sample : WG854333-2
Misc : WG854333,MSAG73
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 31 14:23:03 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\DFTPPPAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 29 10:27:29 2015
Response via : Initial Calibration



CHROMtools™ [WG854333-2]

(1) Pentachlorophenol (MC)

8.732min (-0.092) 23.65 ug/mL

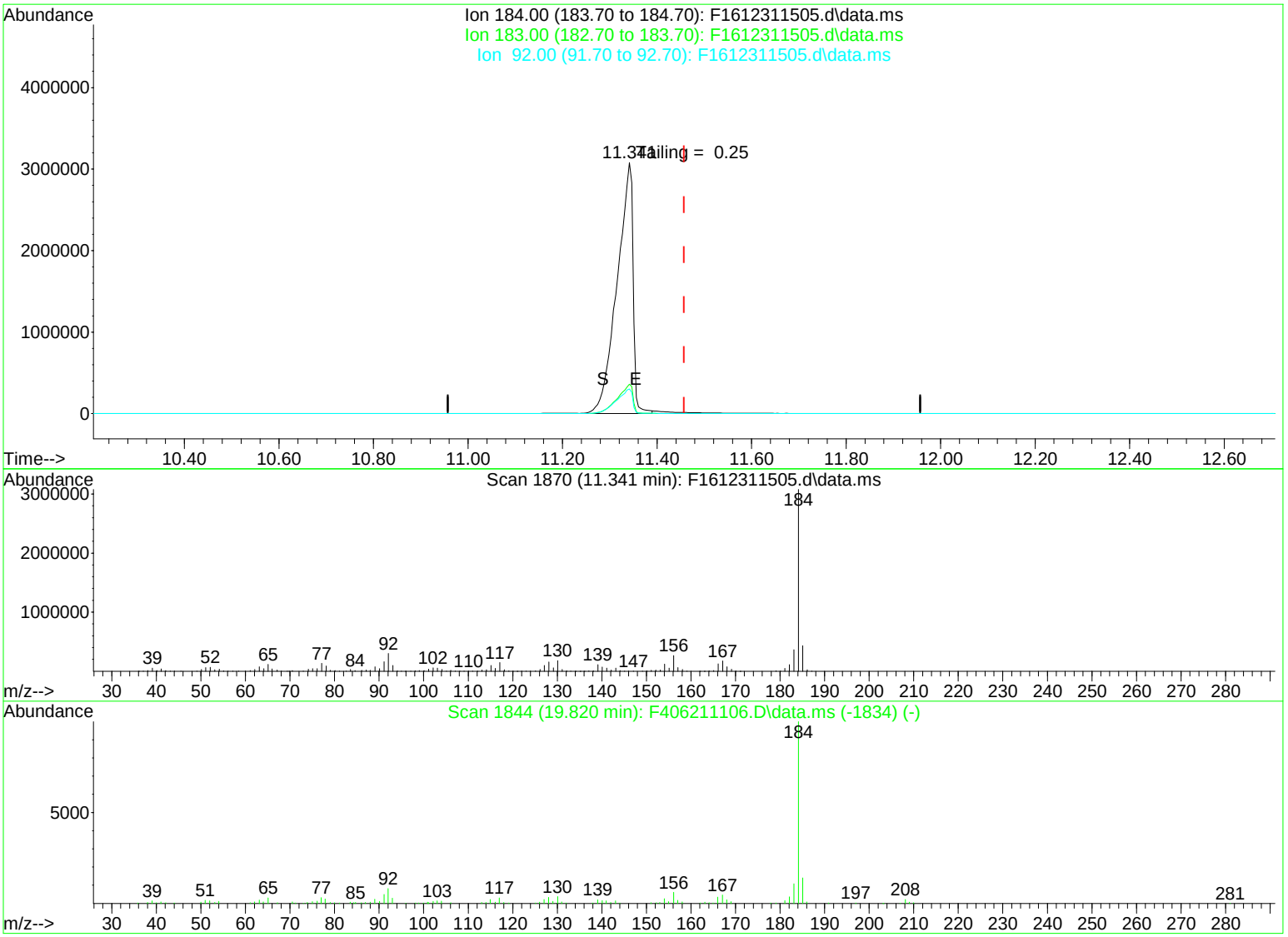
response 1238057

Ion	Exp%	Act%
265.80	100	100
263.80	63.00	63.23
267.80	62.30	63.17
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311505.d
Acq On : 31 Dec 2015 1:44 pm
Operator : PAH16:JT
Sample : WG854333-2
Misc : WG854333,MSAG73
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 31 14:23:03 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\DFTPPPAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 29 10:27:29 2015
Response via : Initial Calibration



CHROMtools™ [WG854333-2]

(3) Benzidine (T)

11.341min (-0.116) 89.06 ug/mL

response 7246315 ~4 x >CAL (25)

Ion	Exp%	Act%
184.00	100	100
183.00	11.60	11.28
92.00	10.10	9.76
0.00	0.00	0.00

Continuing Calibration

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311506.d
Acq On : 31 Dec 2015 2:13 pm
Operator : PAH16:JT
Sample : WG854333-3
Misc : WG854333,MSAH07
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 31 14:42:54 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	-0.01
2	T	N-Nitrosodimethylamine	0.842	0.783	7.0	94	0.00
3	t	Pyridine	1.536	1.454	5.3	95	0.00
4	S	2-Fluorophenol	1.400	1.230	12.1	91	0.00
5	T	Benzaldehyde	1.153	0.000	100.0#	0#	-4.07#
6	T	Aniline	2.137	2.093	2.1	115	0.00
7	T	bis(2-Chloroethyl)ether	1.181	1.088	7.9	94	0.00
8	S	Phenol-d5	1.888	1.664	11.9	91	0.00
9	MC	Phenol	1.952	1.711	12.3#	91	0.00
10	M	2-Chlorophenol	1.545	1.357	12.2	92	0.00
11	T	1,3-Dichlorobenzene	1.662	1.440	13.4	92	0.00
12	MC	1,4-Dichlorobenzene	1.674	1.445	13.7#	91	0.00
13	T	1,2-Dichlorobenzene	1.572	1.360	13.5	91	0.00
14	T	Benzyl alcohol	0.979	0.897	8.4	93	0.00
15	T	bis(2-chloroisopropyl)ether	2.280	2.116	7.2	92	0.00
16	T	2-Methylphenol	1.358	1.149	15.4	89	0.00
17	T	Acetophenone	1.763	0.000	100.0#	0#	-4.79#
18	T	Hexachloroethane	0.702	0.647	7.8	95	0.00
19	MP	N-Nitroso-di-n-propylamine	1.172	1.061	9.5	92	0.00
20	T	4-Methylphenol	1.476	1.287	12.8	90	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	109	0.00
22	S	Nitrobenzene-d5	0.422	0.405	4.0	99	-0.01
23	T	Nitrobenzene	0.440	0.394	10.5	92	0.00
24	T	Isophorone	0.652	0.587	10.0	93	0.00
25	TC	2-Nitrophenol	0.204	0.180	11.8#	91	-0.01
26	T	2,4-Dimethylphenol	0.313	0.312	0.3	106	-0.01
27	T	Benzoic acid	* 10.000	8.981	10.2	97	0.00
28	T	bis(2-Chloroethoxy)methane	0.438	0.380	13.2	89	-0.01
29	TC	2,4-Dichlorophenol	0.285	0.250	12.3#	92	-0.01
30	M	1,2,4-Trichlorobenzene	0.304	0.266	12.5	93	-0.01
31	T	Naphthalene	1.120	0.981	12.4	92	0.00
32	T	2-Chloroaniline	0.580	0.519	10.5	94	-0.01
33	T	4-Chloroaniline	0.454	0.400	11.9	95	0.00
34	TC	Hexachlorobutadiene	0.153	0.134	12.4#	94	0.00
35	T	Caprolactam	0.102	0.000	100.0#	0#	-5.99#
36	MC	4-Chloro-3-methylphenol	0.333	0.298	10.5#	92	-0.01
37	T	2-Methylnaphthalene	0.727	0.639	12.1	92	-0.01

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311506.d
Acq On : 31 Dec 2015 2:13 pm
Operator : PAH16:JT
Sample : WG854333-3
Misc : WG854333,MSAH07
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 31 14:42:54 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
38	I	Acenaphthene-d10		1.000	1.000	0.0	102	-0.01
39	T	1,2,4,5-Tetrachlorobenzene		0.546	0.495	9.3	94	0.00
40	TP	Hexachlorocyclopentadiene	*	10.000	10.695	-7.0	114	0.00
41	TC	2,4,6-Trichlorophenol		0.383	0.349	8.9#	92	0.00
42	T	2,4,5-Trichlorophenol		0.397	0.366	7.8	93	-0.01
43	S	2-Fluorobiphenyl		1.417	1.386	2.2	99	0.00
44	T	Biphenyl		1.585	0.000	100.0#	0#	-6.73#
45	T	2-Chloronaphthalene		1.278	1.146	10.3	92	-0.01
46	T	2-Nitroaniline		0.488	0.468	4.1	93	-0.01
47	T	Acenaphthylene		2.202	2.022	8.2	92	-0.01
48	T	Dimethylphthalate		1.390	1.276	8.2	93	0.00
49	T	2,6-Dinitrotoluene		0.325	0.300	7.7	91	-0.01
50	MC	Acenaphthene		1.385	1.260	9.0#	91	-0.01
51	T	3-Nitroaniline		0.379	0.342	9.8	89	-0.01
52	TP	2,4-Dinitrophenol	*	10.000	9.636	3.6	100	-0.01
53	T	Dibenzofuran		1.767	1.607	9.1	91	0.00
54		2,3,4,6-Tetrachlorophenol		0.261	0.249	4.6	94	-0.01
55	M	2,4-Dinitrotoluene		0.450	0.422	6.2	92	-0.01
56	MP	4-Nitrophenol		0.210	0.236	-12.4	103	-0.01
57	T	Fluorene		1.455	1.356	6.8	91	-0.01
58	T	4-Chlorophenyl-phenylether		0.628	0.587	6.5	93	-0.01
59	T	Diethylphthalate		1.495	1.397	6.6	93	0.00
60	T	4-Nitroaniline		0.366	0.321	12.3	87	-0.01
61	I	Phenanthrene-d10		1.000	1.000	0.0	100	-0.01
62	T	4,6-Dinitro-2-methylphenol	*	10.000	9.141	8.6	94	-0.02
63	T	Azobenzene		0.218	0.196	10.1	91	-0.01
64	TC	n-Nitrosodiphenylamine		0.550	0.470	14.5#	86	-0.01
65	S	2,4,6-Tribromophenol		0.066	0.056	15.2	88	-0.01
66	T	4-Bromophenyl-phenylether		0.168	0.151	10.1	92	-0.02
67	T	Hexachlorobenzene		0.167	0.144	13.8	91	-0.02
68	T	Atrazine		0.186	0.000	100.0#	0#	-8.64#
69	MC	Pentachlorophenol	*	10.000	9.759	2.4#	101	-0.02
70	T	Pentachloronitrobenzene		0.082	0.085	-3.7	101	-0.01
71	T	Phenanthrene		1.092	0.993	9.1	91	-0.02
72	T	Anthracene		1.063	0.995	6.4	92	-0.02
73	T	Carbazole		1.035	0.916	11.5	87	-0.02
74	T	Di-n-butylphthalate		1.277	1.223	4.2	93	-0.02
75	TC	Fluoranthene		1.072	0.984	8.2#	91	-0.02

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311506.d
Acq On : 31 Dec 2015 2:13 pm
Operator : PAH16:JT
Sample : WG854333-3
Misc : WG854333,MSAH07
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 31 14:42:54 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
76	I	Chrysene-d12	1.000	1.000	0.0	100	-0.01
77	T	Benzidine	* 10.000	0.000	100.0#	0	-11.33#
78	M	Pyrene	1.254	1.181	5.8	91	-0.02
79	S	Terphenyl-d14	0.744	0.694	6.7	91	-0.02
80	T	Butylbenzylphthalate	0.665	0.660	0.8	93	-0.02
81	T	3,3'-Dichlorobenzidine	0.369	0.000	100.0#	0#	-14.12#
82	T	Benz[a]anthracene	1.114	1.006	9.7	90	-0.03
83	T	Chrysene	1.062	0.958	9.8	90	-0.03
84	T	bis(2-Ethylhexyl)phthalate	0.862	0.820	4.9	89	-0.02
85	I	Perylene-d12	1.000	1.000	0.0	100	-0.02
86	TC	Di-n-octylphthalate	1.768	1.818	-2.8#	92	-0.02
87	T	Benzo[b]fluoranthene	1.157	1.086	6.1	92	-0.02
88	T	Benzo[k]fluoranthene	1.105	1.062	3.9	93	-0.02
89	TC	Benzo[a]pyrene	1.088	1.055	3.0#	95	-0.02
90	T	Indeno[1,2,3-cd]pyrene	0.934	0.909	2.7	96	-0.02
91	T	Dibenz[a,h]anthracene	0.922	0.886	3.9	95	-0.02
92	T	Benzo[g,h,i]perylene	0.966	0.931	3.6	94	-0.02

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 13

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	1.06	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.66#	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311506.d
Acq On : 31 Dec 2015 2:13 pm
Operator : PAH16:JT
Sample : WG854333-3
Misc : WG854333,MSAH07
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 31 14:42:54 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.422	152	224892	5.000	ug/mL	-0.01
21) Naphthalene-d8	5.582	136	886215	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.272	164	422563	5.000	ug/mL	-0.01
61) Phenanthrene-d10	8.972	188	791341	5.000	ug/mL	-0.01
76) Chrysene-d12	14.076	240	677830	5.000	ug/mL	-0.01
85) Perylene-d12	17.211	264	560624	5.000	ug/mL	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	3.377	112	553197	8.784	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 43.92%			
8) Phenol-d5	4.114	99	748260	8.811	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 44.06%			
22) Nitrobenzene-d5	4.918	82	717686	9.596	ug/mL	-0.01
Spiked Amount 20.000	Range 35 - 114		Recovery = 47.98%			
43) 2-Fluorobiphenyl	6.622	172	1171642	9.783	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 48.91%			
65) 2,4,6-Tribromophenol	8.101	330	89306	8.510	ug/mL	-0.01
Spiked Amount 20.000	Range 10 - 123		Recovery = 42.55%			
79) Terphenyl-d14	11.809	244	940469	9.322	ug/mL	-0.02
Spiked Amount 20.000	Range 33 - 141		Recovery = 46.61%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.452	74	352262	9.303	ug/mL#	72
3) Pyridine	2.462	79	653903	9.464	ug/mL#	78
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.147	93	941194M4	9.792	ug/ml	
7) bis(2-Chloroethyl)ether	4.196	63	489310	9.210	ug/mL	82
9) Phenol	4.123	94	769444	8.766	ug/mL#	82
10) 2-Chlorophenol	4.244	128	610557	8.787	ug/mL#	92
11) 1,3-Dichlorobenzene	4.374	146	647478	8.661	ug/mL	99
12) 1,4-Dichlorobenzene	4.436	146	650048	8.635	ug/mL	98
13) 1,2-Dichlorobenzene	4.566	146	611544	8.647	ug/mL	100
14) Benzyl alcohol	4.547	108	403323	9.160	ug/mL	90
15) bis(2-chloroisopropyl)eth	4.663	45	951809	9.283	ug/mL#	46
16) 2-Methylphenol	4.643	108	516779	8.462	ug/mL	100
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	4.865	117	291008	9.214	ug/mL#	81
19) N-Nitroso-di-n-propylamin	4.783	70	477408	9.055	ug/mL#	89
20) 4-Methylphenol	4.783	108	579046	8.720	ug/mL	99
23) Nitrobenzene	4.937	77	698449	8.966	ug/mL	95

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311506.d
Acq On : 31 Dec 2015 2:13 pm
Operator : PAH16:JT
Sample : WG854333-3
Misc : WG854333,MSAH07
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 31 14:42:54 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.159	82	1040536	8.998	ug/mL	97
25) 2-Nitrophenol	5.226	139	318679	8.805	ug/mL#	86
26) 2,4-Dimethylphenol	5.269	107	553396	9.976	ug/mL	97
27) Benzoic acid	5.385	105	425061M4	8.981	ug/mL	
28) bis(2-Chloroethoxy)methan	5.356	93	672943	8.670	ug/mL	100
29) 2,4-Dichlorophenol	5.452	162	443780	8.775	ug/mL	95
30) 1,2,4-Trichlorobenzene	5.525	180	470806	8.729	ug/mL	98
31) Naphthalene	5.602	128	1739377	8.760	ug/mL	100
32) 2-Chloroaniline	5.192	127	919864	8.955	ug/ml	99
33) 4-Chloroaniline	5.659	127	708765	8.805	ug/mL#	1
34) Hexachlorobutadiene	5.712	225	237146	8.746	ug/mL	99
35) Caprolactam	0.000		0	N.D.		
36) 4-Chloro-3-methylphenol	6.126	107	527651	8.948	ug/mL	97
37) 2-Methylnaphthalene	6.261	142	1133010	8.793	ug/mL	100
39) 1,2,4,5-Tetrachlorobenzen	6.425	216	417982	9.057	ug/mL	99
40) Hexachlorocyclopentadiene	6.411	237	238362	10.695	ug/mL	99
41) 2,4,6-Trichlorophenol	6.541	196	295314	9.130	ug/mL	99
42) 2,4,5-Trichlorophenol	6.574	196	309380	9.221	ug/mL	99
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	6.733	162	968317	8.966	ug/mL	94
46) 2-Nitroaniline	6.844	65	395596	9.591	ug/mL#	80
47) Acenaphthylene	7.138	152	1708617	9.183	ug/mL	99
48) Dimethylphthalate	7.027	163	1078540	9.184	ug/mL	99
49) 2,6-Dinitrotoluene	7.085	165	253172	9.215	ug/mL#	81
50) Acenaphthene	7.306	153	1064763	9.098	ug/mL	99
51) 3-Nitroaniline	7.248	138	289332	9.029	ug/mL	87
52) 2,4-Dinitrophenol	7.354	184	186902	9.636	ug/mL#	73
53) Dibenzofuran	7.480	168	1358103	9.093	ug/mL	91
54) 2,3,4,6-Tetrachlorophenol	7.605	232	210566	9.549	#	92
55) 2,4-Dinitrotoluene	7.480	165	356706	9.389	ug/mL#	41
56) 4-Nitrophenol	7.431	109	199246	11.202	ug/mL	86
57) Fluorene	7.831	166	1145858	9.320	ug/mL	98
58) 4-Chlorophenyl-phenylethe	7.836	204	495750	9.345	ug/mL	93
59) Diethylphthalate	7.730	149	1180436	9.342	ug/mL	96
60) 4-Nitroaniline	7.874	138	271612	8.773	ug/mL#	78
62) 4,6-Dinitro-2-methylpheno	7.903	198	205377	9.141	ug/mL#	100
63) Azobenzene	8.014	182	310119	8.988	ug/mL	53
64) n-Nitrosodiphenylamine	7.971	169	743164	8.544	ug/mL	99
66) 4-Bromophenyl-phenylether	8.394	248	238612	8.991	ug/mL#	86
67) Hexachlorobenzene	8.457	284	227954	8.636	ug/mL#	79
68) Atrazine	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311506.d
Acq On : 31 Dec 2015 2:13 pm
Operator : PAH16:JT
Sample : WG854333-3
Misc : WG854333,MSAH07
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 31 14:42:54 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	8.722	266	186083	9.759	ug/mL	99
70) Pentachloronitrobenzene	8.736	237	134772	10.323	ug/ml	97
71) Phenanthrene	9.006	178	1572340	9.100	ug/mL	100
72) Anthracene	9.078	178	1575270	9.361	ug/mL	99
73) Carbazole	9.329	167	1449838	8.851	ug/mL	98
74) Di-n-butylphthalate	9.935	149	1935224	9.572	ug/mL#	98
75) Fluoranthene	10.971	202	1556856	9.177	ug/mL	95
77) Benzidine	0.000		0	N.D.	d	
78) Pyrene	11.399	202	1600633	9.418	ug/mL#	93
80) Butylbenzylphthalate	12.983	149	894478	9.928	ug/mL#	87
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	14.052	228	1363535	9.028	ug/mL	100
83) Chrysene	14.134	228	1298690	9.022	ug/mL	100
84) bis(2-Ethylhexyl)phthalat	14.442	149	1112311	9.516	ug/mL#	93
86) Di-n-octylphthalate	15.988	149	2038557	10.285	ug/mL	100
87) Benzo[b]fluoranthene	16.475	252	1217773	9.390	ug/mL	98
88) Benzo[k]fluoranthene	16.532	252	1191301	9.615	ug/mL#	97
89) Benzo[a]pyrene	17.110	252	1183012	9.701	ug/mL	97
90) Indeno[1,2,3-cd]pyrene	19.051	276	1018817	9.731	ug/mL	96
91) Dibenz[a,h]anthracene	19.104	278	993473M4	9.614	ug/mL	
92) Benzo[g,h,i]perylene	19.446	276	1044290	9.644	ug/mL#	89

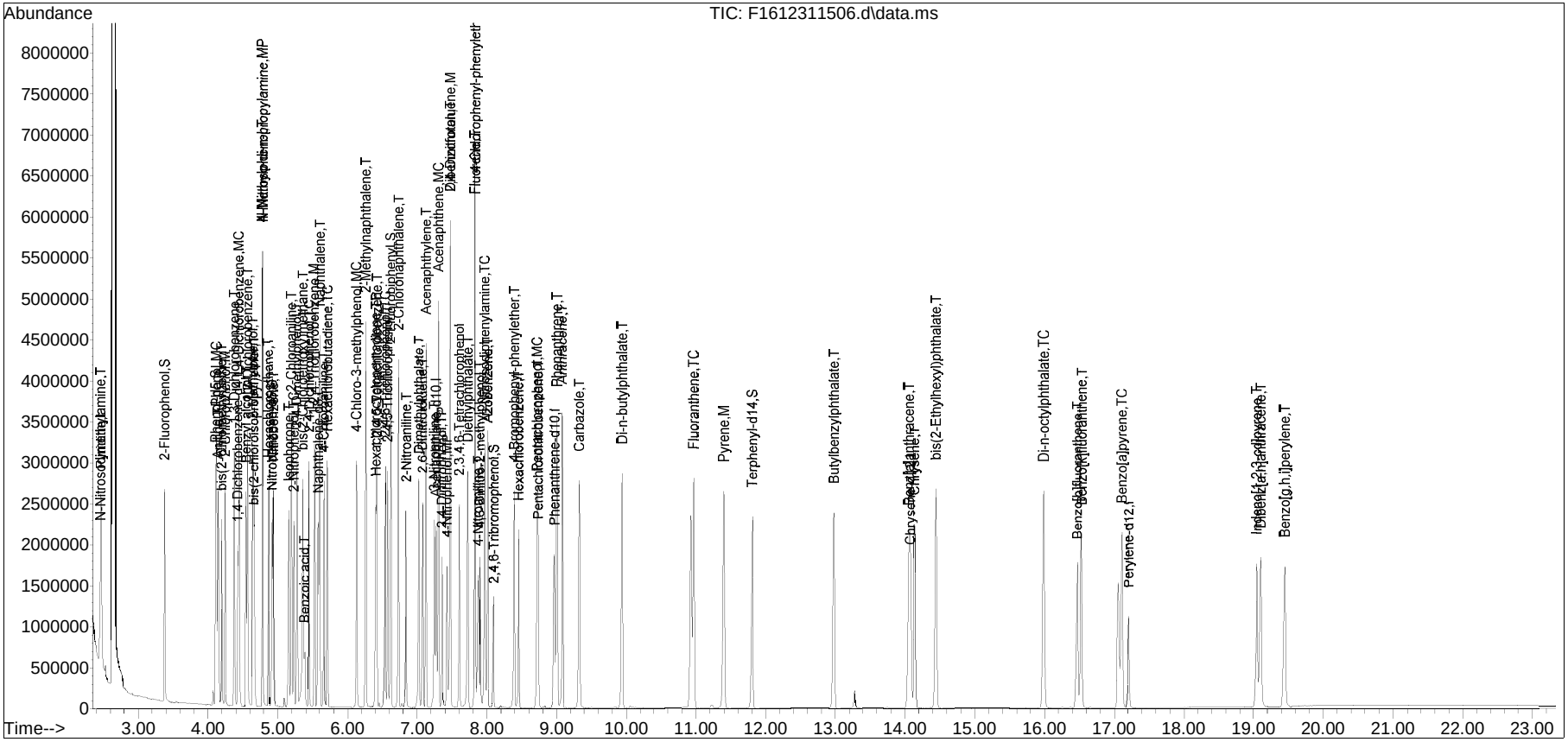
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311506.d
Acq On : 31 Dec 2015 2:13 pm
Operator : PAH16:JT
Sample : WG854333-3
Misc : WG854333,MSAH07
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 31 14:42:54 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed



Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311507.d
Acq On : 31 Dec 2015 2:42 pm
Operator : PAH16:JT
Sample : WG854333-4
Misc : WG854333,MSAG81
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 31 15:07:31 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	-0.01
2	T	N-Nitrosodimethylamine	0.842	0.000	100.0#	0#	-2.46#
3	t	Pyridine	1.536	0.000	100.0#	0#	-2.47#
4	S	2-Fluorophenol	1.400	0.000	100.0#	0#	-3.39#
5	T	Benzaldehyde	1.153	1.170	-1.5	88	0.00
6	T	Aniline	2.137	0.000	100.0#	0#	-4.15#
7	T	bis(2-Chloroethyl)ether	1.181	0.000	100.0#	0#	-4.21#
8	S	Phenol-d5	1.888	0.000	100.0#	0#	-4.12#
9	MC	Phenol	1.952	0.000	100.0#	0#	-4.13#
10	M	2-Chlorophenol	1.545	0.000	100.0#	0#	-4.25#
11	T	1,3-Dichlorobenzene	1.662	0.000	100.0#	0#	-4.38#
12	MC	1,4-Dichlorobenzene	1.674	0.000	100.0#	0#	-4.45#
13	T	1,2-Dichlorobenzene	1.572	0.000	100.0#	0#	-4.58#
14	T	Benzyl alcohol	0.979	0.000	100.0#	0#	-4.56#
15	T	bis(2-chloroisopropyl)ether	2.280	0.000	100.0#	0#	-4.67#
16	T	2-Methylphenol	1.358	0.000	100.0#	0#	-4.65#
17	T	Acetophenone	1.763	1.790	-1.5	87	0.00
18	T	Hexachloroethane	0.702	0.000	100.0#	0#	-4.87#
19	MP	N-Nitroso-di-n-propylamine	1.172	0.000	100.0#	0#	-4.79#
20	T	4-Methylphenol	1.476	0.000	100.0#	0#	-4.79#
21	I	Naphthalene-d8	1.000	1.000	0.0	108	-0.01
22	S	Nitrobenzene-d5	0.422	0.000	100.0#	0#	-4.93#
23	T	Nitrobenzene	0.440	0.000	100.0#	0#	-4.95#
24	T	Isophorone	0.652	0.000	100.0#	0#	-5.17#
25	TC	2-Nitrophenol	0.204	0.000	100.0#	0#	-5.24#
26	T	2,4-Dimethylphenol	0.313	0.000	100.0#	0#	-5.28#
27	T	Benzoic acid	* 10.000	0.000	100.0#	0	-5.39#
28	T	bis(2-Chloroethoxy)methane	0.438	0.000	100.0#	0#	-5.37#
29	TC	2,4-Dichlorophenol	0.285	0.000	100.0#	0#	-5.47#
30	M	1,2,4-Trichlorobenzene	0.304	0.000	100.0#	0#	-5.54#
31	T	Naphthalene	1.120	0.000	100.0#	0#	-5.61#
32	T	2-Chloroaniline	0.580	0.000	100.0#	0#	-5.21#
33	T	4-Chloroaniline	0.454	0.000	100.0#	0#	-5.67#
34	TC	Hexachlorobutadiene	0.153	0.000	100.0#	0#	-5.72#
35	T	Caprolactam	0.102	0.103	-1.0	86	0.00
36	MC	4-Chloro-3-methylphenol	0.333	0.000	100.0#	0#	-6.14#
37	T	2-Methylnaphthalene	0.727	0.000	100.0#	0#	-6.28#

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311507.d
Acq On : 31 Dec 2015 2:42 pm
Operator : PAH16:JT
Sample : WG854333-4
Misc : WG854333,MSAG81
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 31 15:07:31 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
38	I	Acenaphthene-d10		1.000	1.000	0.0	99	-0.01
39	T	1,2,4,5-Tetrachlorobenzene		0.546	0.000	100.0#	0#	-6.43#
40	TP	Hexachlorocyclopentadiene	*	10.000	0.000	100.0#	0	-6.42#
41	TC	2,4,6-Trichlorophenol		0.383	0.000	100.0#	0#	-6.55#
42	T	2,4,5-Trichlorophenol		0.397	0.000	100.0#	0#	-6.59#
43	S	2-Fluorobiphenyl		1.417	0.000	100.0#	0#	-6.63#
44	T	Biphenyl		1.585	1.520	4.1	88	-0.01
45	T	2-Chloronaphthalene		1.278	0.000	100.0#	0#	-6.75#
46	T	2-Nitroaniline		0.488	0.000	100.0#	0#	-6.86#
47	T	Acenaphthylene		2.202	0.000	100.0#	0#	-7.15#
48	T	Dimethylphthalate		1.390	0.000	100.0#	0#	-7.04#
49	T	2,6-Dinitrotoluene		0.325	0.000	100.0#	0#	-7.10#
50	MC	Acenaphthene		1.385	0.000	100.0#	0#	-7.32#
51	T	3-Nitroaniline		0.379	0.000	100.0#	0#	-7.26#
52	TP	2,4-Dinitrophenol	*	10.000	0.000	100.0#	0	-7.37#
53	T	Dibenzofuran		1.767	0.000	100.0#	0#	-7.49#
54		2,3,4,6-Tetrachlorophenol		0.261	0.000	100.0#	0#	-7.62#
55	M	2,4-Dinitrotoluene		0.450	0.000	100.0#	0#	-7.49#
56	MP	4-Nitrophenol		0.210	0.000	100.0#	0#	-7.45#
57	T	Fluorene		1.455	0.000	100.0#	0#	-7.85#
58	T	4-Chlorophenyl-phenylether		0.628	0.000	100.0#	0#	-7.85#
59	T	Diethylphthalate		1.495	0.000	100.0#	0#	-7.74#
60	T	4-Nitroaniline		0.366	0.000	100.0#	0#	-7.89#
61	I	Phenanthrene-d10		1.000	1.000	0.0	95	-0.02
62	T	4,6-Dinitro-2-methylphenol	*	10.000	0.000	100.0#	0	-7.92#
63	T	Azobenzene		0.218	0.000	100.0#	0#	-8.03#
64	TC	n-Nitrosodiphenylamine		0.550	0.000	100.0#	0#	-7.99#
65	S	2,4,6-Tribromophenol		0.066	0.000	100.0#	0#	-8.12#
66	T	4-Bromophenyl-phenylether		0.168	0.000	100.0#	0#	-8.41#
67	T	Hexachlorobenzene		0.167	0.000	100.0#	0#	-8.48#
68	T	Atrazine		0.186	0.183	1.6	89	-0.02
69	MC	Pentachlorophenol	*	10.000	0.000	100.0#	0	-8.74#
70	T	Pentachloronitrobenzene		0.082	0.000	100.0#	0#	-8.75#
71	T	Phenanthrene		1.092	0.000	100.0#	0#	-9.03#
72	T	Anthracene		1.063	0.000	100.0#	0#	-9.10#
73	T	Carbazole		1.035	0.000	100.0#	0#	-9.35#
74	T	Di-n-butylphthalate		1.277	0.000	100.0#	0#	-9.95#
75	TC	Fluoranthene		1.072	0.000	100.0#	0#	-10.99#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311507.d
Acq On : 31 Dec 2015 2:42 pm
Operator : PAH16:JT
Sample : WG854333-4
Misc : WG854333,MSAG81
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 31 15:07:31 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
76	I	Chrysene-d12	1.000	1.000	0.0	94	-0.03
77	T	Benzidine	* 10.000	8.351	16.5	80	-0.03
78	M	Pyrene	1.254	0.000	100.0#	0#	-11.42#
79	S	Terphenyl-d14	0.744	0.000	100.0#	0#	-11.83#
80	T	Butylbenzylphthalate	0.665	0.000	100.0#	0#	-13.01#
81	T	3,3'-Dichlorobenzidine	0.369	0.347	6.0	83	-0.03
82	T	Benz[a]anthracene	1.114	0.000	100.0#	0#	-14.08#
83	T	Chrysene	1.062	0.000	100.0#	0#	-14.16#
84	T	bis(2-Ethylhexyl)phthalate	0.862	0.000	100.0#	0#	-14.47#
85	I	Perylene-d12	1.000	1.000	0.0	99	-0.02
86	TC	Di-n-octylphthalate	1.768	0.000	100.0#	0#	-16.01#
87	T	Benzo[b]fluoranthene	1.157	0.000	100.0#	0#	-16.50#
88	T	Benzo[k]fluoranthene	1.105	0.000	100.0#	0#	-16.56#
89	TC	Benzo[a]pyrene	1.088	0.000	100.0#	0#	-17.13#
90	T	Indeno[1,2,3-cd]pyrene	0.934	0.000	100.0#	0#	-19.07#
91	T	Dibenz[a,h]anthracene	0.922	0.000	100.0#	0#	-19.12#
92	T	Benzo[g,h,i]perylene	0.966	0.000	100.0#	0#	-19.47#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 13

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311507.d
Acq On : 31 Dec 2015 2:42 pm
Operator : PAH16:JT
Sample : WG854333-4
Misc : WG854333,MSAG81
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 31 15:07:31 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.422	152	217632	5.000	ug/mL	-0.01
21) Naphthalene-d8	5.578	136	874500	5.000	ug/mL	-0.01
38) Acenaphthene-d10	7.273	164	412620	5.000	ug/mL	-0.01
61) Phenanthrene-d10	8.968	188	753289	5.000	ug/mL	-0.02
76) Chrysene-d12	14.062	240	638506	5.000	ug/mL	-0.03
85) Perylene-d12	17.207	264	559457	5.000	ug/mL	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery = 0.00%#			
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery = 0.00%#			
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery = 0.00%#			
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery = 0.00%#			
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery = 0.00%#			
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery = 0.00%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.056	77	509291	10.150	ug/ml	98
6) Aniline	0.000		0	N.D. d		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D. d		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	4.778	105	779305	10.153	ug/ml	98
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311507.d
Acq On : 31 Dec 2015 2:42 pm
Operator : PAH16:JT
Sample : WG854333-4
Misc : WG854333,MSAG81
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 31 15:07:31 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.	d	
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	5.977	113	180618	10.085	ug/ml	97
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	6.714	154	1254158	9.588	ug/ml	100
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.	d	
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D.	d	
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	8.626	200	275541	9.854	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311507.d
Acq On : 31 Dec 2015 2:42 pm
Operator : PAH16:JT
Sample : WG854333-4
Misc : WG854333,MSAG81
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 31 15:07:31 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.		
72) Anthracene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.298	184	1011641	8.351	ug/mL	100
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	14.096	252	442500	9.384	ug/mL	98
82) Benz[a]anthracene	0.000		0	N.D. d		
83) Chrysene	0.000		0	N.D. d		
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D. d		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D. d		
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

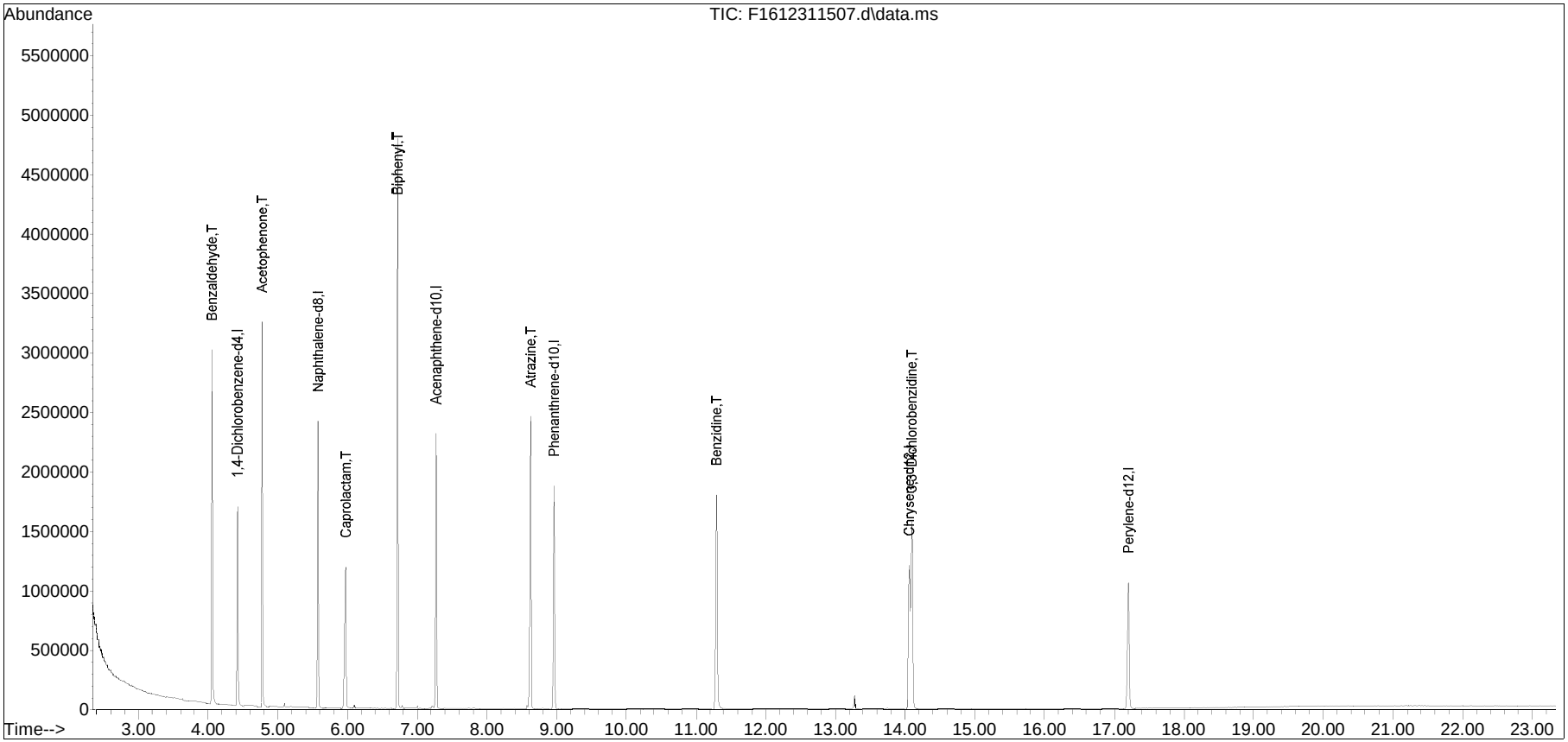
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311507.d
Acq On : 31 Dec 2015 2:42 pm
Operator : PAH16:JT
Sample : WG854333-4
Misc : WG854333,MSAG81
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 31 15:07:31 2015
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed



Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311511.d
Acq On : 31 Dec 2015 4:40 pm
Operator : PAH16:JT
Sample : L1533592-01
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 04 15:54:19 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.417	152	204400	5.000	ug/mL	-0.01
21) Naphthalene-d8	5.578	136	811855	5.000	ug/mL	-0.01
38) Acenaphthene-d10	7.273	164	395398	5.000	ug/mL	-0.01
61) Phenanthrene-d10	8.968	188	716244	5.000	ug/mL	-0.02
76) Chrysene-d12	14.062	240	602434	5.000	ug/mL	-0.03
85) Perylene-d12	17.202	264	530694	5.000	ug/mL	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	3.377	112	400209	6.992	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 34.96%			
8) Phenol-d5	4.109	99	398589	5.164	ug/mL	-0.01
Spiked Amount 20.000	Range 10 - 94		Recovery = 25.82%			
22) Nitrobenzene-d5	4.918	82	1014244	14.803	ug/mL	-0.01
Spiked Amount 20.000	Range 35 - 114		Recovery = 74.02%			
43) 2-Fluorobiphenyl	6.618	172	1538749	13.730	ug/mL	-0.01
Spiked Amount 20.000	Range 43 - 116		Recovery = 68.65%			
65) 2,4,6-Tribromophenol	8.096	330	126665	13.335	ug/mL	-0.02
Spiked Amount 20.000	Range 10 - 123		Recovery = 66.68%			
79) Terphenyl-d14	11.813	244	1716565	19.143	ug/mL	-0.02
Spiked Amount 20.000	Range 33 - 141		Recovery = 95.72%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.061	77	906	N.D.		
6) Aniline	4.167	93	152	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.	d	
9) Phenol	4.119	94	161	N.D.		
10) 2-Chlorophenol	4.244	128	193	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	4.547	108	486	N.D.		
15) bis(2-chloroisopropyl)eth	4.663	45	454	N.D.		
16) 2-Methylphenol	4.547	108	486	N.D.		
17) Acetophenone	4.778	105	1716	0.024	ug/ml#	89
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311511.d
Acq On : 31 Dec 2015 4:40 pm
Operator : PAH16:JT
Sample : L1533592-01
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 04 15:54:19 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	5.318	105	2225M4	0.710	ug/mL	
28) bis(2-Chloroethoxy)methan	5.240	93	361	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	5.963	113	583	0.035	ug/ml#	58
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	7.508	109	80	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	7.720	149	2494	0.021	ug/mL	95
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.	d	
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.	d	
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	9.931	149	3343	N.D.		
77) Benzidine	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311511.d
Acq On : 31 Dec 2015 4:40 pm
Operator : PAH16:JT
Sample : L1533592-01
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 04 15:54:19 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Butylbenzylphthalate	12.974	149	6805	0.085	ug/mL#	84
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.438	149	1700	N.D.		
86) Di-n-octylphthalate	15.988	149	73	N.D.		

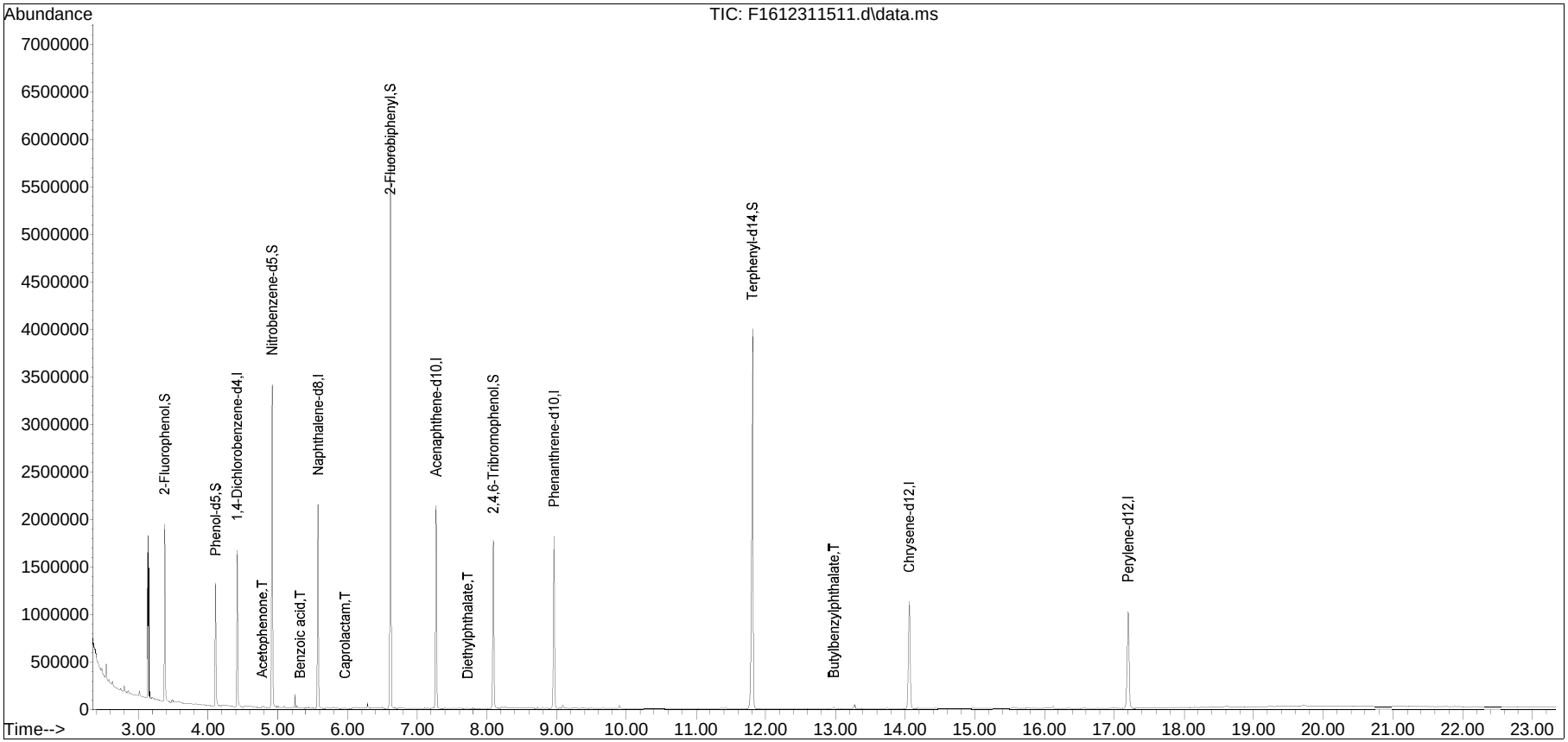
(#) = qualifier out of range (m) = manual integration (+) = signals summed

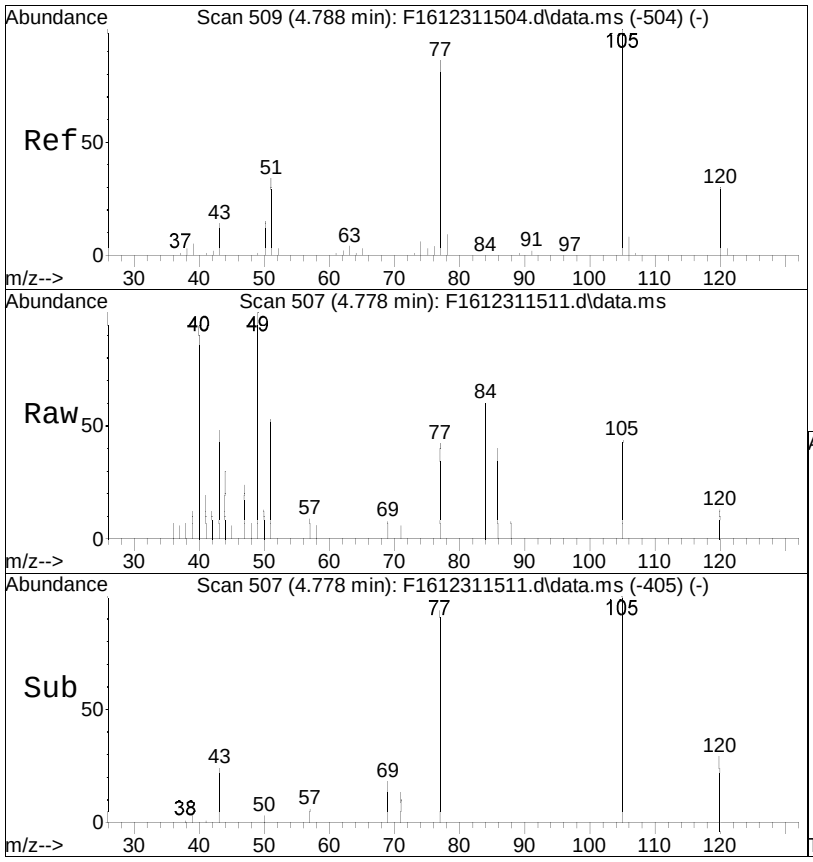
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311511.d
Acq On : 31 Dec 2015 4:40 pm
Operator : PAH16:JT
Sample : L1533592-01
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 04 15:54:19 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

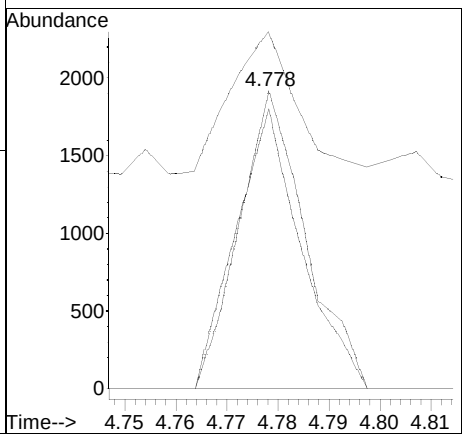


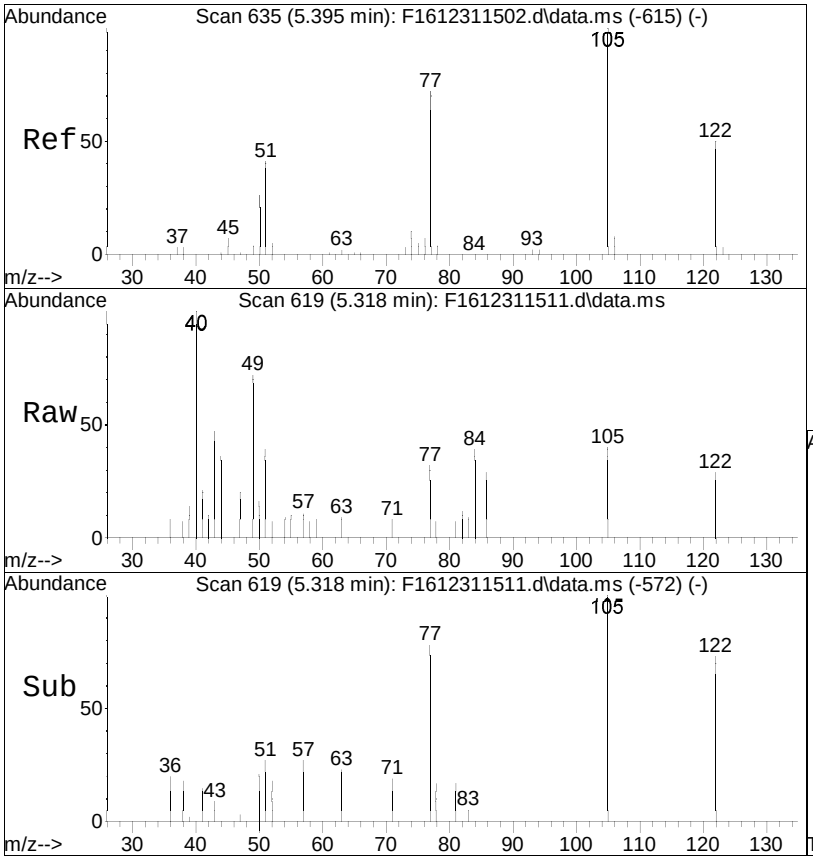


#17
Acetophenone
Concen: 0.02 ug/ml
RT: 4.778 min Scan# 507
Delta R.T. -0.010 min
Lab File: F1612311511.d
Acq: 31 Dec 2015 4:40 pm

Tgt Ion:105 Resp: 1716

Ion	Ratio	Lower	Upper
105	100		
77	93.2	68.6	103.0
51	47.7	29.0	43.4#

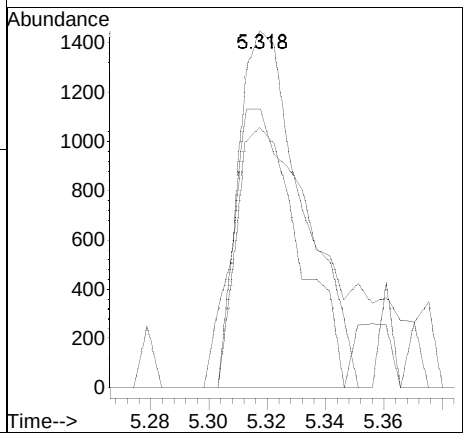


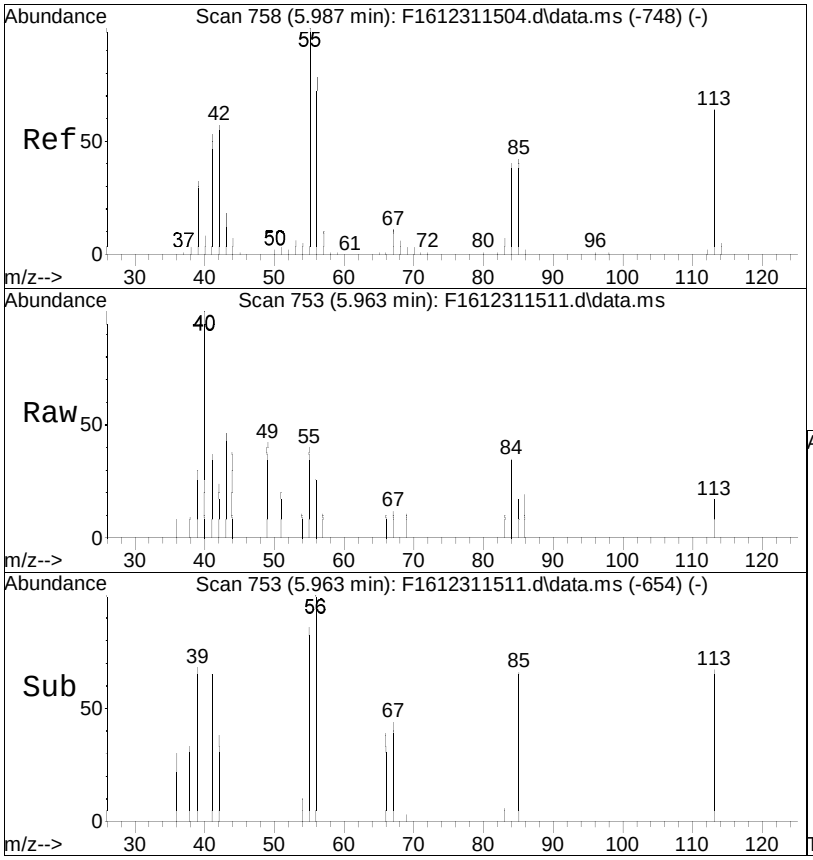


#27
Benzoic acid
Concen: 0.71 ug/mL M4
RT: 5.318 min Scan# 619
Delta R.T. -0.077 min
Lab File: F1612311511.d
Acq: 31 Dec 2015 4:40 pm

Tgt Ion:105 Resp: 2225

Ion	Ratio	Lower	Upper
105	100		
122	0.0	62.7	94.1#
77	0.0	56.9	85.3#

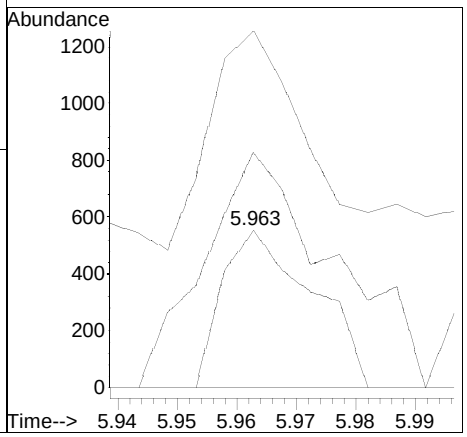


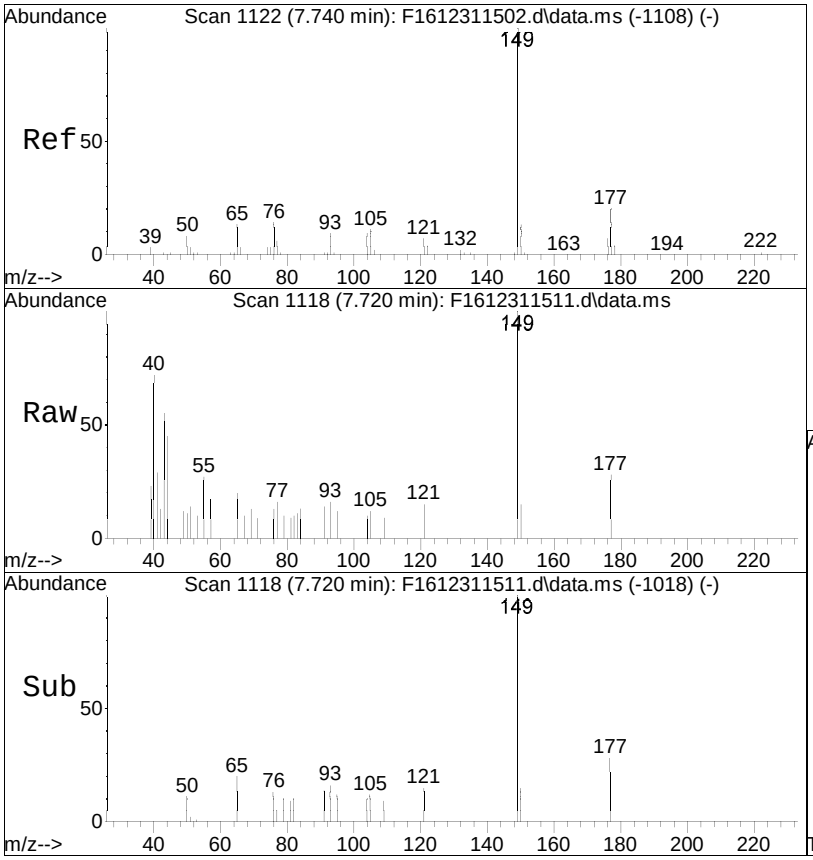


#35
Caprolactam
Concen: 0.04 ug/ml
RT: 5.963 min Scan# 753
Delta R.T. -0.024 min
Lab File: F1612311511.d
Acq: 31 Dec 2015 4:40 pm

Tgt Ion:113 Resp: 583

Ion	Ratio	Lower	Upper
113	100		
55	145.1	125.3	187.9
56	214.1	96.2	144.2#

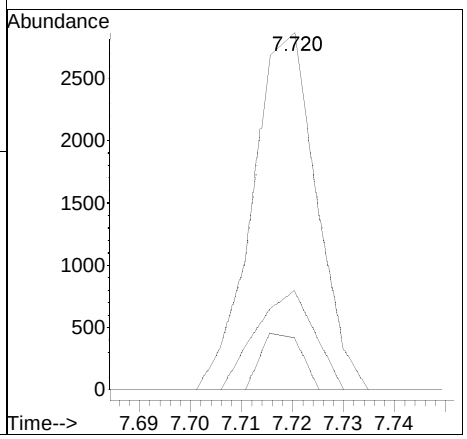


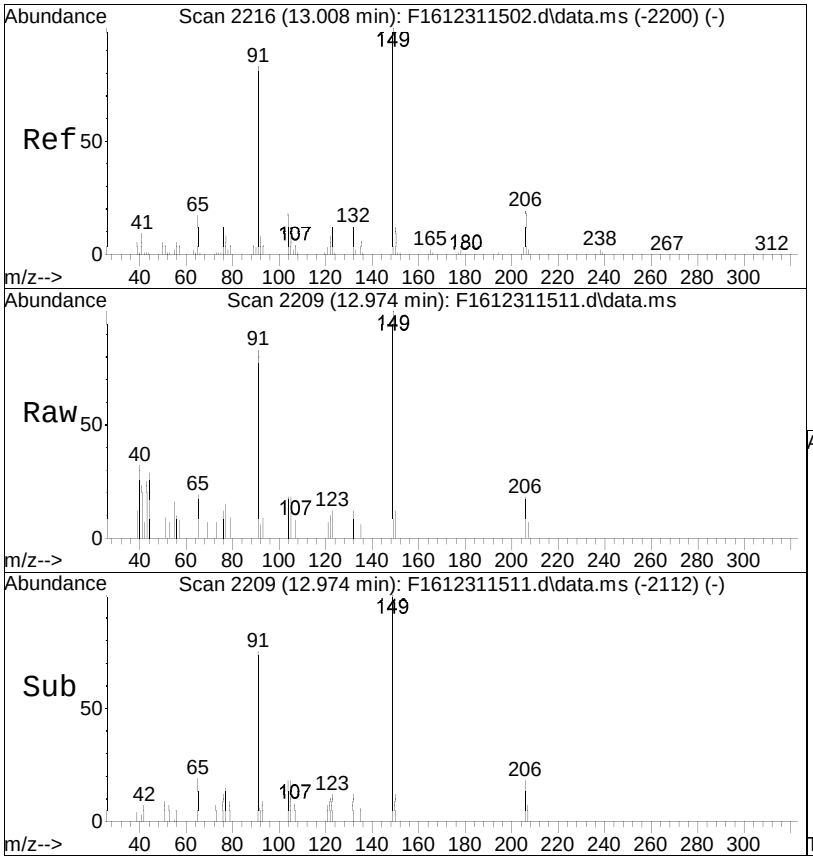


#59
Diethylphthalate
Concen: 0.02 ug/mL
RT: 7.720 min Scan# 1118
Delta R.T. -0.019 min
Lab File: F1612311511.d
Acq: 31 Dec 2015 4:40 pm

Tgt Ion:149 Resp: 2494

Ion	Ratio	Lower	Upper
149	100		
177	25.3	18.6	27.8
150	10.1	9.8	14.8

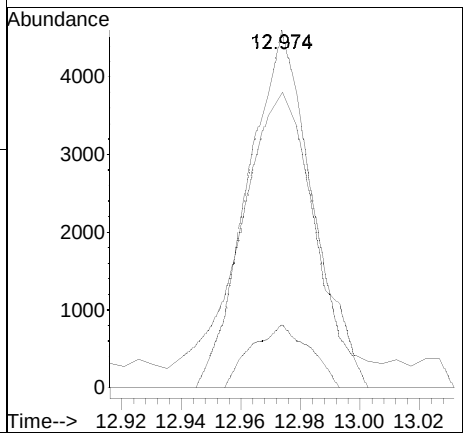




#80
Butylbenzylphthalate
Concen: 0.08 ug/mL
RT: 12.974 min Scan# 2209
Delta R.T. -0.034 min
Lab File: F1612311511.d
Acq: 31 Dec 2015 4:40 pm

Tgt Ion:149 Resp: 6805

Ion	Ratio	Lower	Upper
149	100		
91	85.7	57.8	86.6
206	16.1	18.3	27.5#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311512.d
Acq On : 31 Dec 2015 5:09 pm
Operator : PAH16:JT
Sample : L1533592-02
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 04 15:55:20 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.417	152	211986	5.000	ug/mL	-0.01
21) Naphthalene-d8	5.578	136	845942	5.000	ug/mL	-0.01
38) Acenaphthene-d10	7.273	164	403591	5.000	ug/mL	-0.01
61) Phenanthrene-d10	8.968	188	729734	5.000	ug/mL	-0.02
76) Chrysene-d12	14.062	240	616016	5.000	ug/mL	-0.03
85) Perylene-d12	17.207	264	543466	5.000	ug/mL	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	3.377	112	356028	5.998	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 29.99%			
8) Phenol-d5	4.104	99	355668	4.443	ug/mL	-0.02
Spiked Amount 20.000	Range 10 - 94		Recovery = 22.22%			
22) Nitrobenzene-d5	4.913	82	950777	13.318	ug/mL	-0.02
Spiked Amount 20.000	Range 35 - 114		Recovery = 66.59%			
43) 2-Fluorobiphenyl	6.618	172	1516761	13.260	ug/mL	-0.01
Spiked Amount 20.000	Range 43 - 116		Recovery = 66.30%			
65) 2,4,6-Tribromophenol	8.096	330	119993	12.399	ug/mL	-0.02
Spiked Amount 20.000	Range 10 - 123		Recovery = 61.99%			
79) Terphenyl-d14	11.809	244	1669869	18.212	ug/mL	-0.02
Spiked Amount 20.000	Range 33 - 141		Recovery = 91.06%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.061	77	668	N.D.		
6) Aniline	4.167	93	186	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.	d	
9) Phenol	4.119	94	228	N.D.		
10) 2-Chlorophenol	4.244	128	210	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	4.547	108	384	N.D.		
15) bis(2-chloroisopropyl)eth	4.658	45	185	N.D.		
16) 2-Methylphenol	4.547	108	384	N.D.		
17) Acetophenone	4.778	105	1524	0.020	ug/ml#	79
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311512.d
Acq On : 31 Dec 2015 5:09 pm
Operator : PAH16:JT
Sample : L1533592-02
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 04 15:55:20 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	5.318	105	2389M4	0.712	ug/mL	
28) bis(2-Chloroethoxy)methan	5.236	93	293	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	5.963	113	478	0.028	ug/ml#	46
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	7.518	109	294	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	7.720	149	2355	N.D.		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.	d	
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.	d	
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	9.931	149	3019	N.D.		
77) Benzidine	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311512.d
Acq On : 31 Dec 2015 5:09 pm
Operator : PAH16:JT
Sample : L1533592-02
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 04 15:55:20 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Butylbenzylphthalate	12.974	149	2420	0.030	ug/mL#	87
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.433	149	1796	N.D.		
86) Di-n-octylphthalate	16.008	149	92	N.D.		

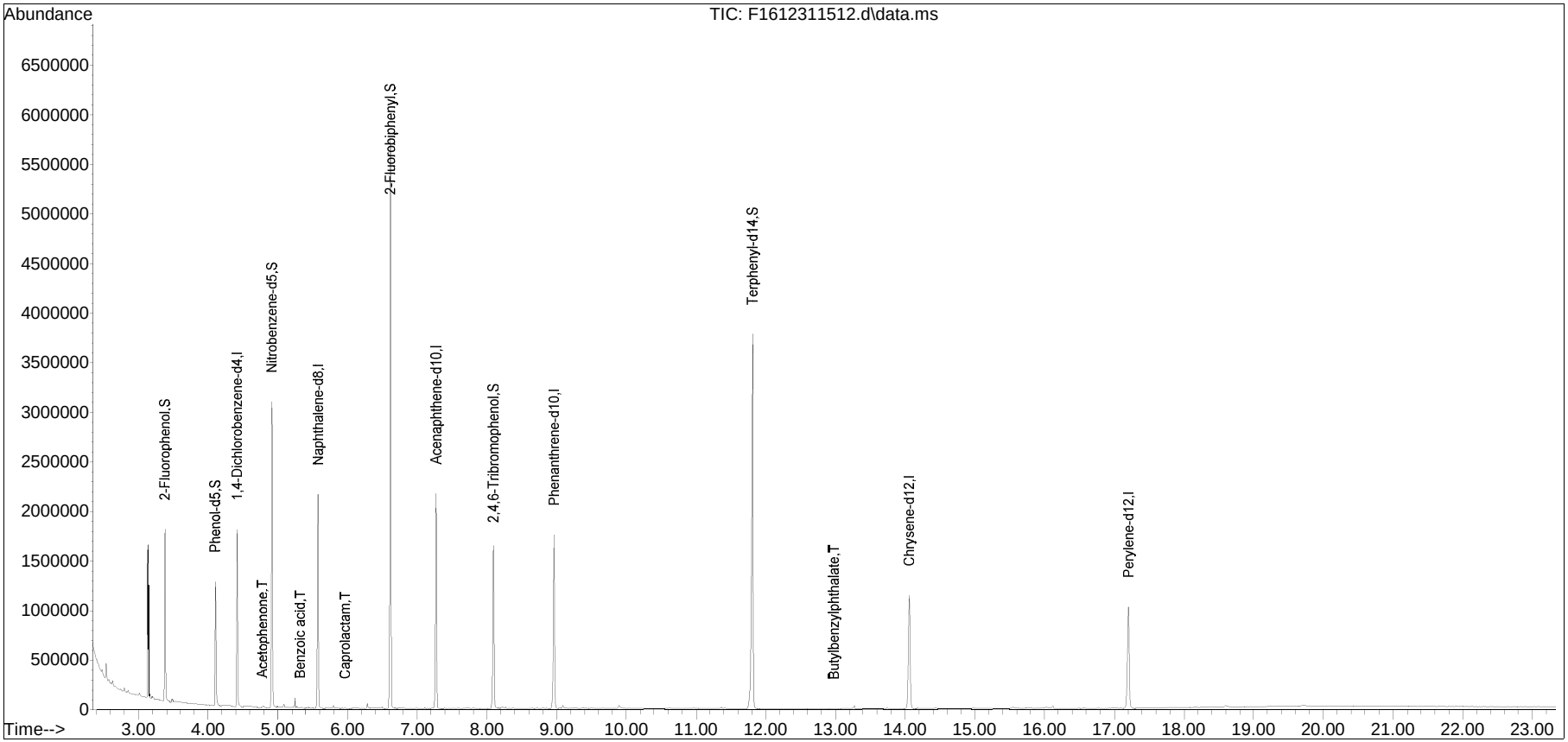
(#) = qualifier out of range (m) = manual integration (+) = signals summed

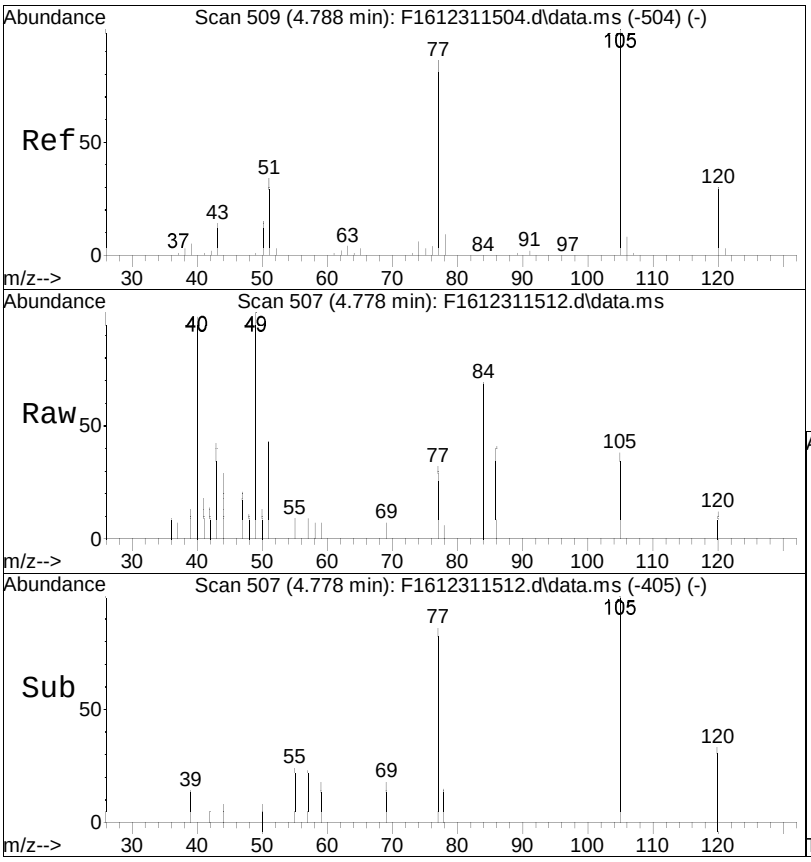
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311512.d
Acq On : 31 Dec 2015 5:09 pm
Operator : PAH16:JT
Sample : L1533592-02
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 04 15:55:20 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

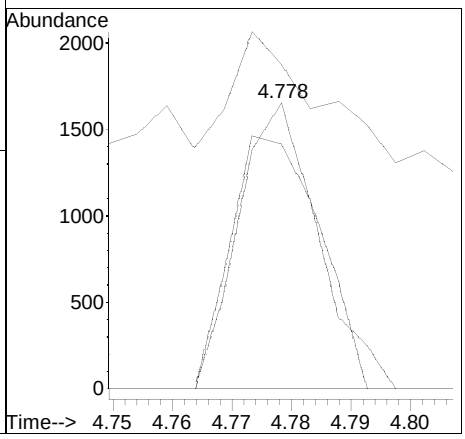


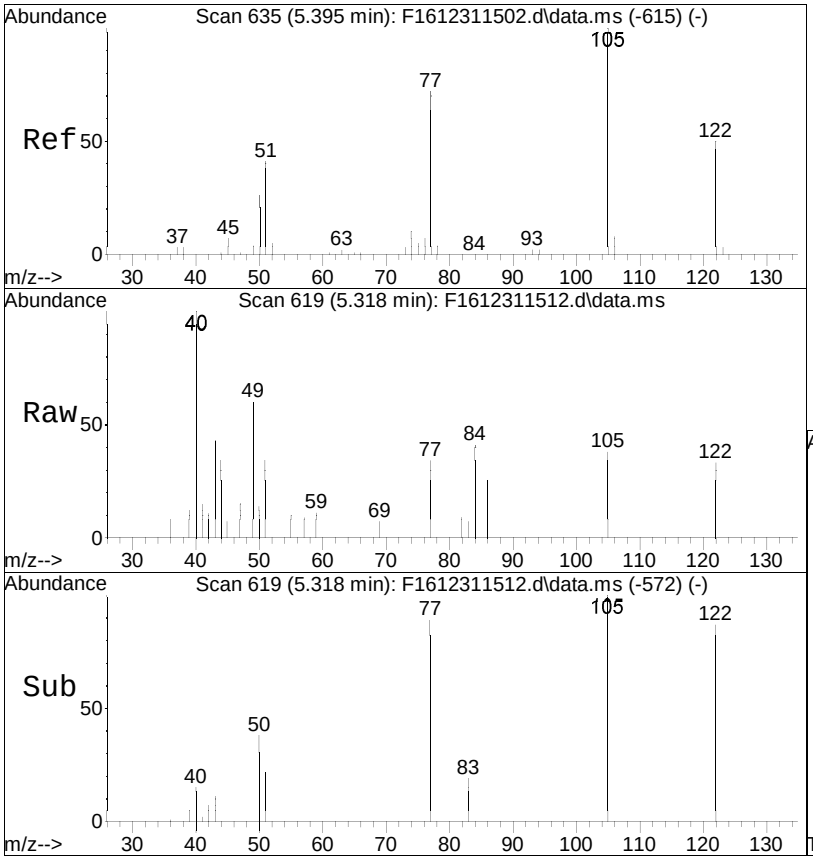


#17
Acetophenone
Concen: 0.02 ug/ml
RT: 4.778 min Scan# 507
Delta R.T. -0.010 min
Lab File: F1612311512.d
Acq: 31 Dec 2015 5:09 pm

Tgt Ion:105 Resp: 1524

Ion	Ratio	Lower	Upper
105	100		
77	100.3	68.6	103.0
51	56.4	29.0	43.4#

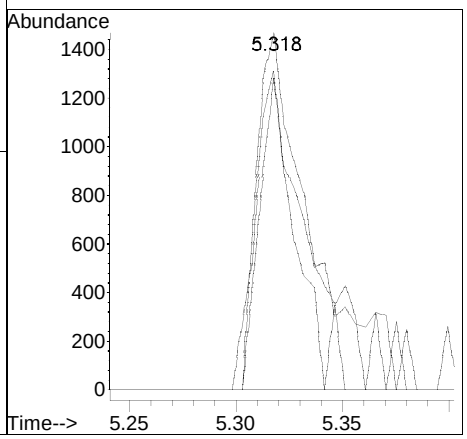


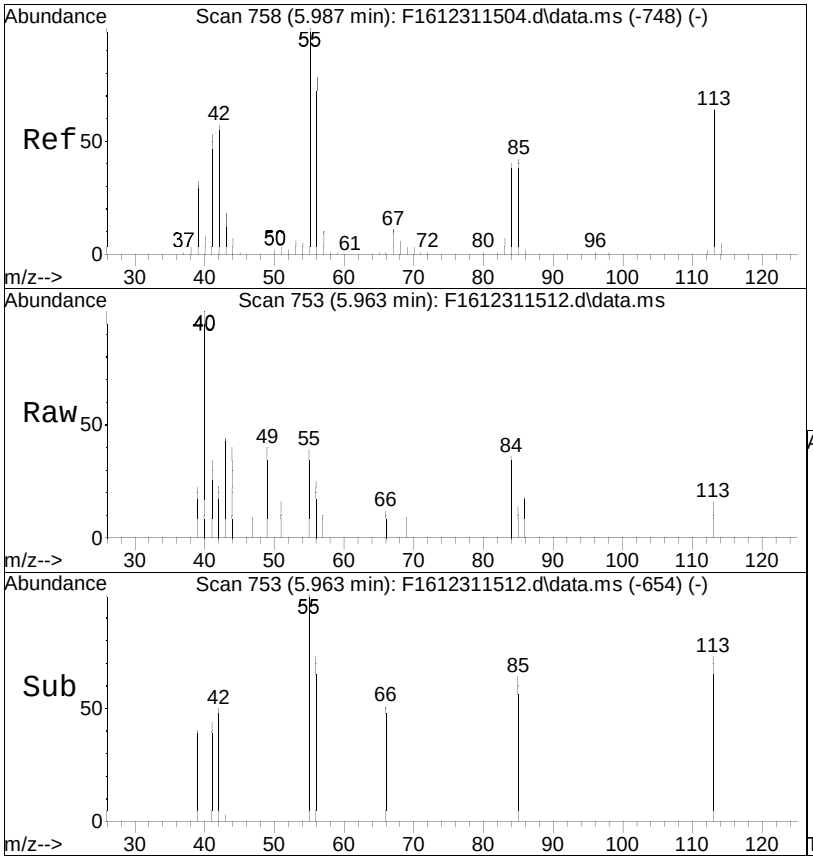


#27
Benzoic acid
Concen: 0.71 ug/mL M4
RT: 5.318 min Scan# 619
Delta R.T. -0.077 min
Lab File: F1612311512.d
Acq: 31 Dec 2015 5:09 pm

Tgt Ion:105 Resp: 2389

Ion	Ratio	Lower	Upper
105	100		
122	0.0	62.7	94.1#
77	3.0	56.9	85.3#

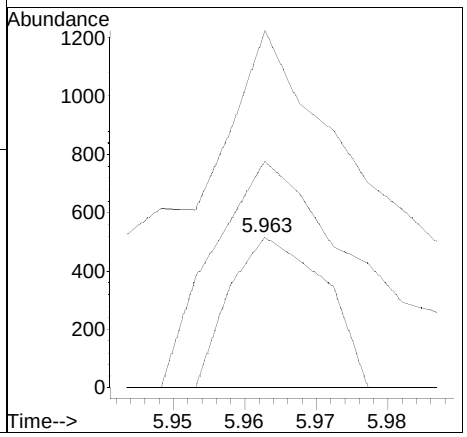


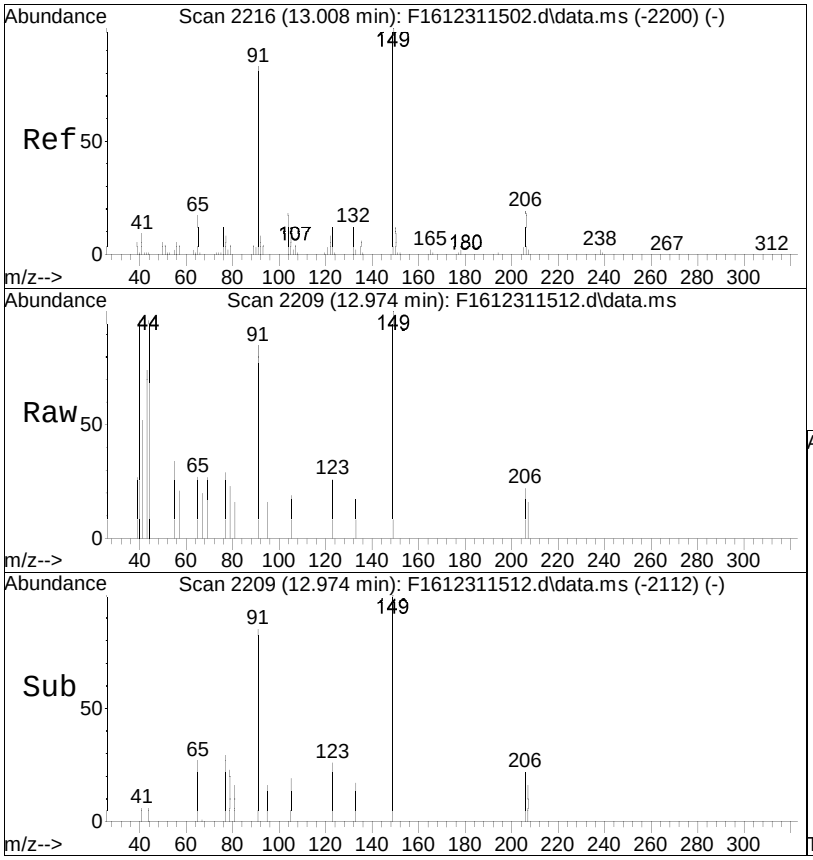


#35
Caprolactam
Concen: 0.03 ug/ml
RT: 5.963 min Scan# 753
Delta R.T. -0.024 min
Lab File: F1612311512.d
Acq: 31 Dec 2015 5:09 pm

Tgt Ion:113 Resp: 478

Ion	Ratio	Lower	Upper
113	100		
55	180.3	125.3	187.9
56	233.3	96.2	144.2#

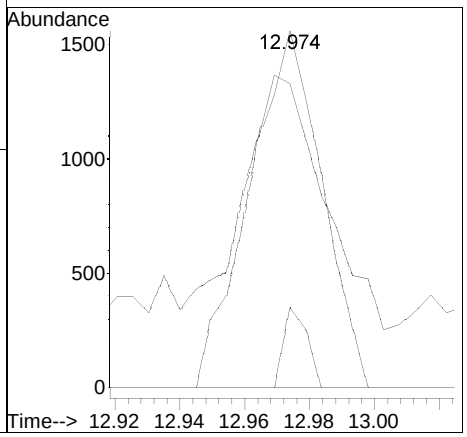




#80
Butylbenzylphthalate
Concen: 0.03 ug/mL
RT: 12.974 min Scan# 2209
Delta R.T. -0.034 min
Lab File: F1612311512.d
Acq: 31 Dec 2015 5:09 pm

Tgt Ion:149 Resp: 2420

Ion	Ratio	Lower	Upper
149	100		
91	78.2	57.8	86.6
206	7.3	18.3	27.5#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311513.d
Acq On : 31 Dec 2015 5:38 pm
Operator : PAH16:JT
Sample : L1533592-03
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 04 15:55:50 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.422	152	210868	5.000	ug/mL	-0.01
21) Naphthalene-d8	5.578	136	835572	5.000	ug/mL	-0.01
38) Acenaphthene-d10	7.273	164	394571	5.000	ug/mL	-0.01
61) Phenanthrene-d10	8.968	188	723779	5.000	ug/mL	-0.02
76) Chrysene-d12	14.062	240	612386	5.000	ug/mL	-0.03
85) Perylene-d12	17.202	264	538994	5.000	ug/mL	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	3.382	112	239716	4.060	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 20.30%#			
8) Phenol-d5	4.109	99	232940	2.925	ug/mL	-0.01
Spiked Amount 20.000	Range 10 - 94		Recovery = 14.63%			
22) Nitrobenzene-d5	4.918	82	907381	12.868	ug/mL	-0.01
Spiked Amount 20.000	Range 35 - 114		Recovery = 64.34%			
43) 2-Fluorobiphenyl	6.618	172	1448066	12.948	ug/mL	-0.01
Spiked Amount 20.000	Range 43 - 116		Recovery = 64.74%			
65) 2,4,6-Tribromophenol	8.096	330	114447	11.923	ug/mL	-0.02
Spiked Amount 20.000	Range 10 - 123		Recovery = 59.61%			
79) Terphenyl-d14	11.809	244	1708641	18.745	ug/mL	-0.02
Spiked Amount 20.000	Range 33 - 141		Recovery = 93.73%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.061	77	542	N.D.		
6) Aniline	4.167	93	150	N.D.		
7) bis(2-Chloroethyl)ether	4.109	63	701	N.D.		
9) Phenol	4.123	94	77	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	4.547	108	229	N.D.		
15) bis(2-chloroisopropyl)eth	4.653	45	261	N.D.		
16) 2-Methylphenol	4.547	108	229	N.D.		
17) Acetophenone	4.778	105	2097	0.028	ug/ml#	88
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311513.d
Acq On : 31 Dec 2015 5:38 pm
Operator : PAH16:JT
Sample : L1533592-03
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 04 15:55:50 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	5.241	93	190	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	5.963	113	466	0.027	ug/ml#	42
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	7.720	149	2545	0.022	ug/mL#	93
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.	d	
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.	d	
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	9.931	149	4512	0.024	ug/mL#	94
77) Benzidine	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311513.d
Acq On : 31 Dec 2015 5:38 pm
Operator : PAH16:JT
Sample : L1533592-03
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 04 15:55:50 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Butylbenzylphthalate	12.974	149	3869	0.048	ug/mL#	74
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.433	149	2509	0.024	ug/mL#	80
86) Di-n-octylphthalate	15.983	149	75	N.D.		

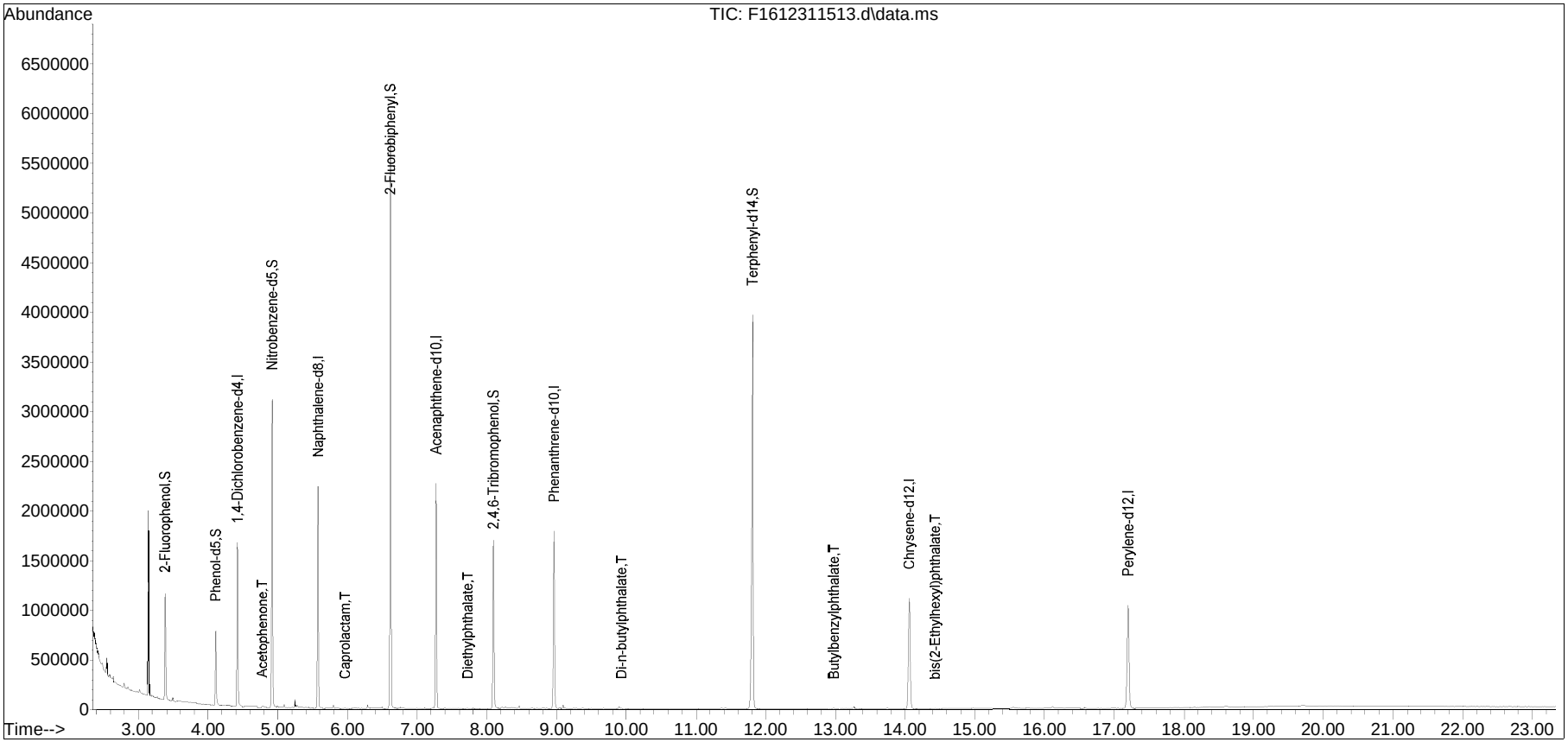
(#) = qualifier out of range (m) = manual integration (+) = signals summed

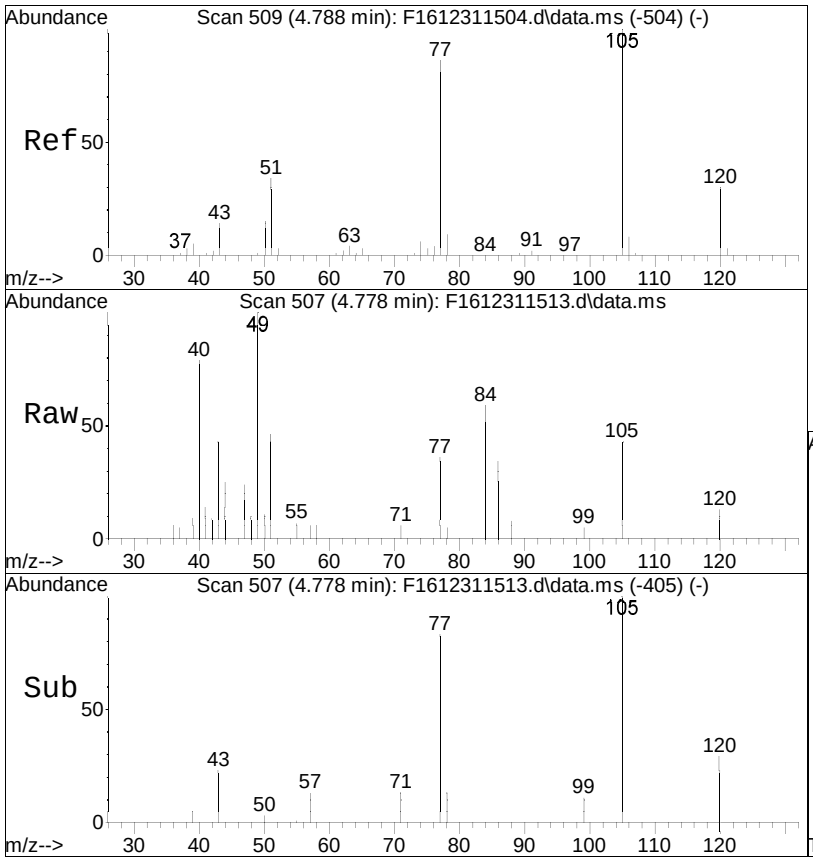
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311513.d
Acq On : 31 Dec 2015 5:38 pm
Operator : PAH16:JT
Sample : L1533592-03
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 04 15:55:50 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

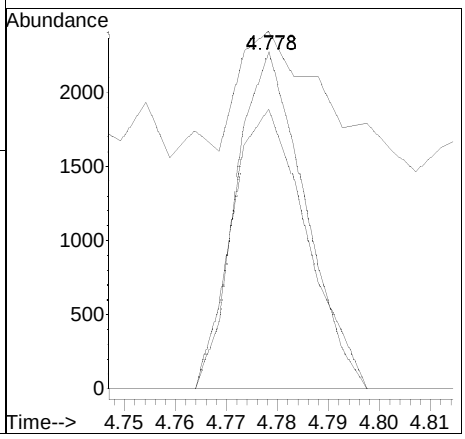


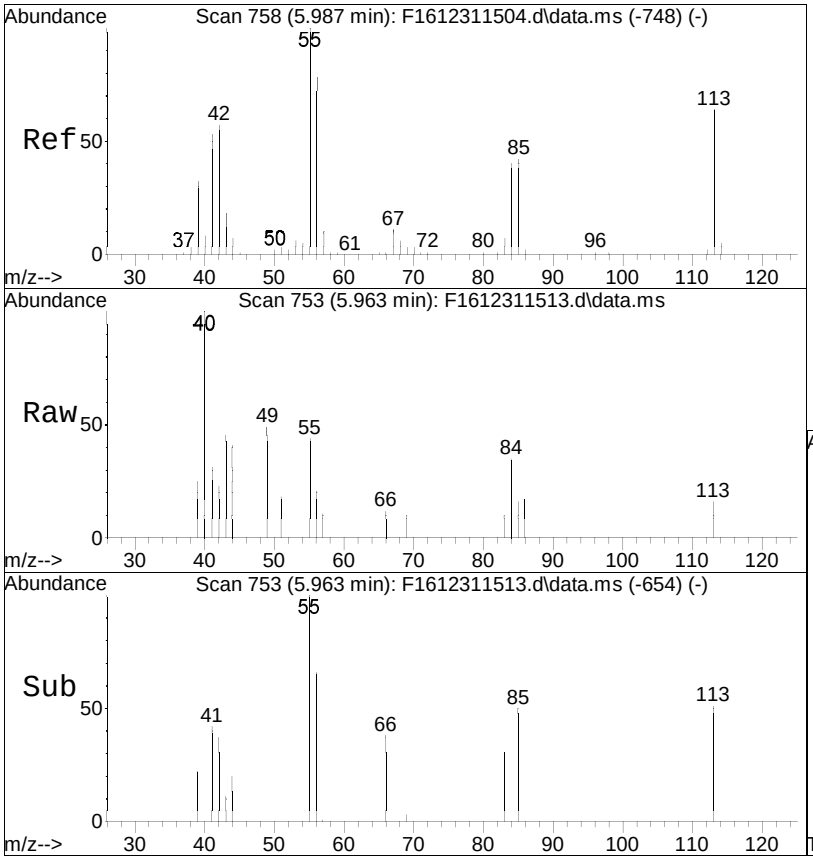


#17
Acetophenone
Concen: 0.03 ug/ml
RT: 4.778 min Scan# 507
Delta R.T. -0.010 min
Lab File: F1612311513.d
Acq: 31 Dec 2015 5:38 pm

Tgt Ion:105 Resp: 2097

Ion	Ratio	Lower	Upper
105	100		
77	91.1	68.6	103.0
51	52.4	29.0	43.4#

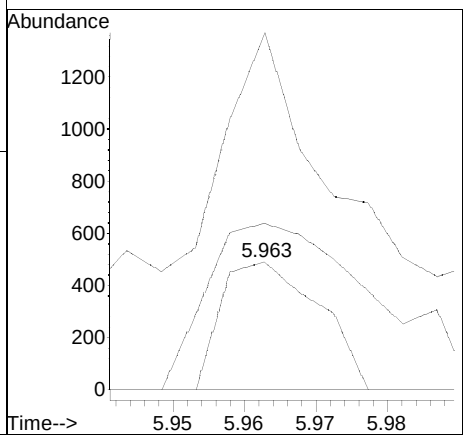


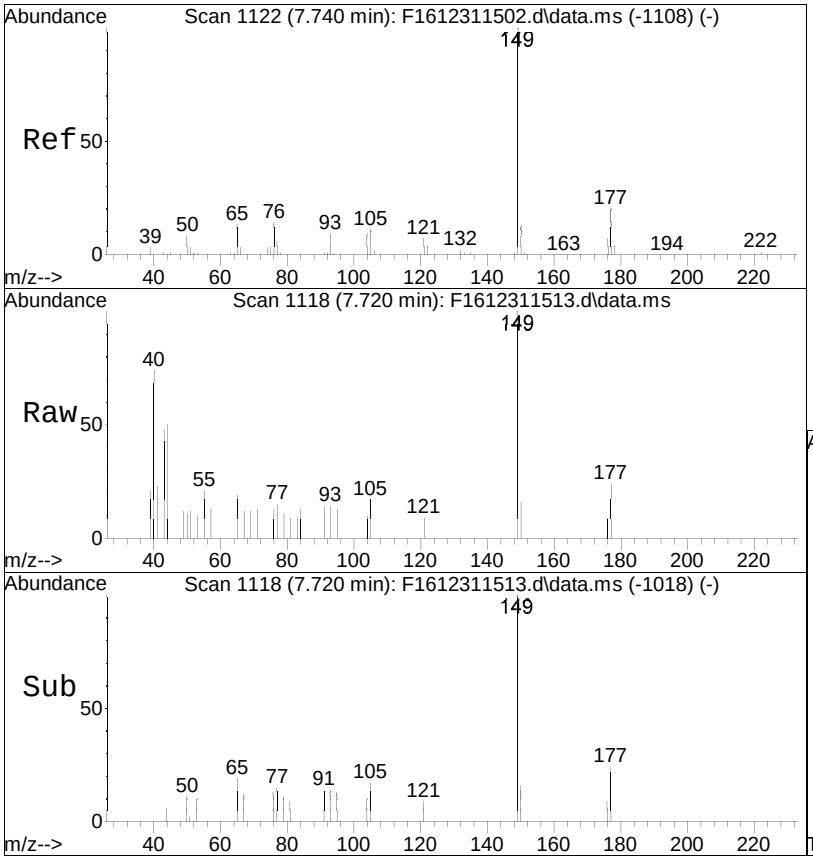


#35
Caprolactam
Concen: 0.03 ug/ml
RT: 5.963 min Scan# 753
Delta R.T. -0.024 min
Lab File: F1612311513.d
Acq: 31 Dec 2015 5:38 pm

Tgt Ion:113 Resp: 466

Ion	Ratio	Lower	Upper
113	100		
55	199.6	125.3	187.9#
56	221.5	96.2	144.2#

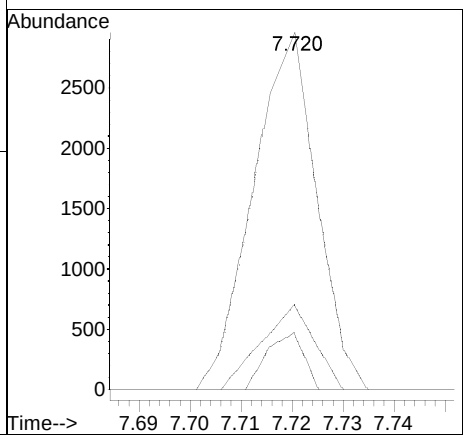


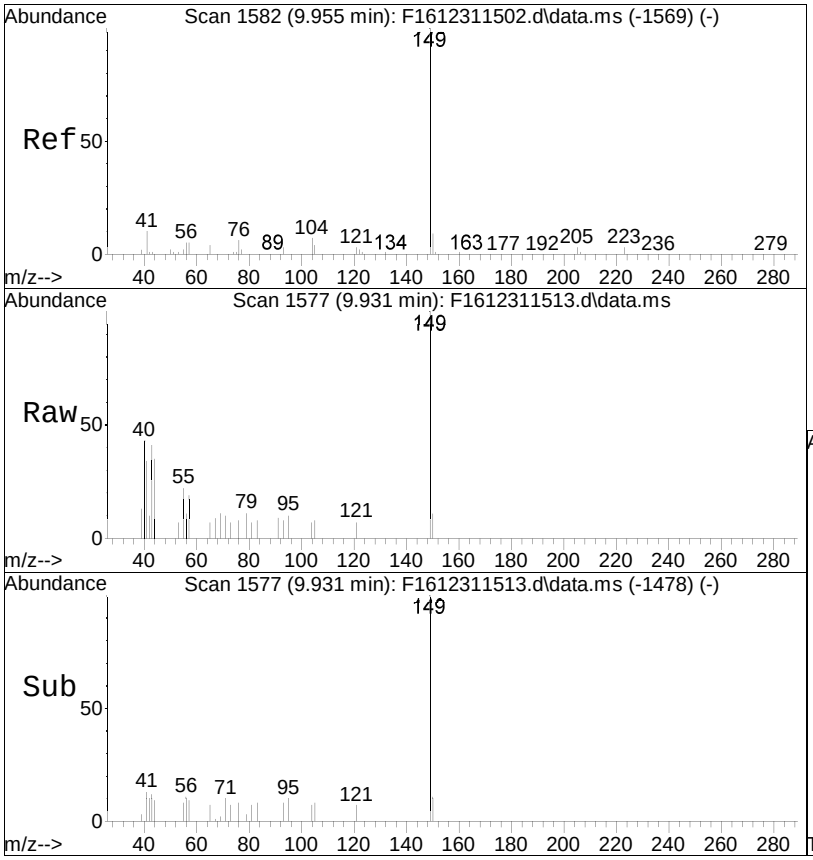


#59
Diethylphthalate
Concen: 0.02 ug/mL
RT: 7.720 min Scan# 1118
Delta R.T. -0.019 min
Lab File: F1612311513.d
Acq: 31 Dec 2015 5:38 pm

Tgt Ion:149 Resp: 2545

Ion	Ratio	Lower	Upper
149	100		
177	19.9	18.6	27.8
150	9.4	9.8	14.8#

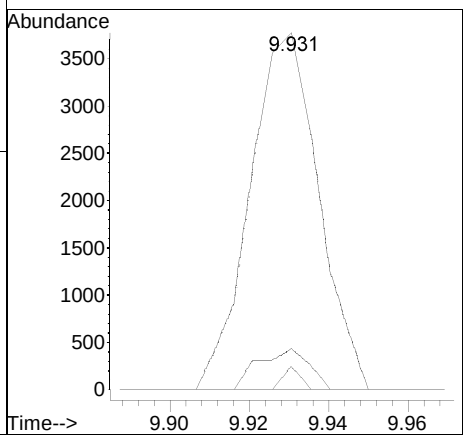


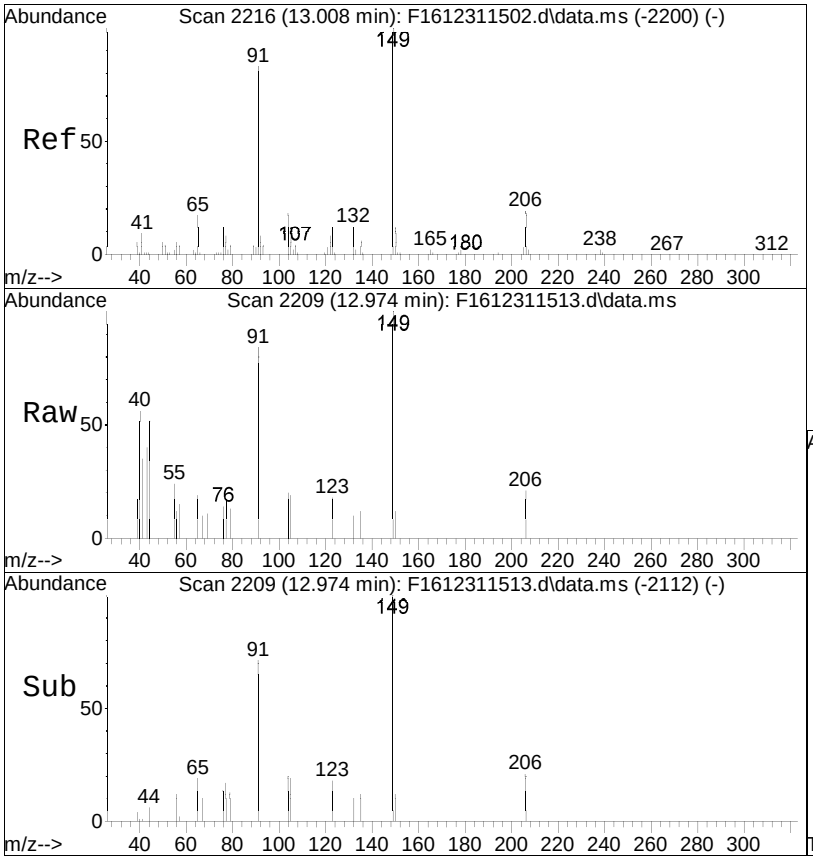


#74
Di-n-butylphthalate
Concen: 0.02 ug/mL
RT: 9.931 min Scan# 1577
Delta R.T. -0.024 min
Lab File: F1612311513.d
Acq: 31 Dec 2015 5:38 pm

Tgt Ion:149 Resp: 4512

Ion	Ratio	Lower	Upper
149	100		
150	8.6	7.0	10.4
104	0.0	3.9	5.9#

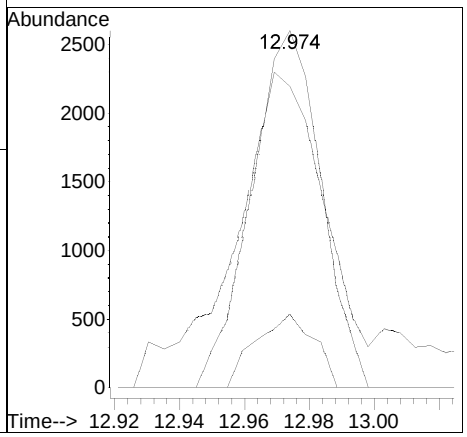


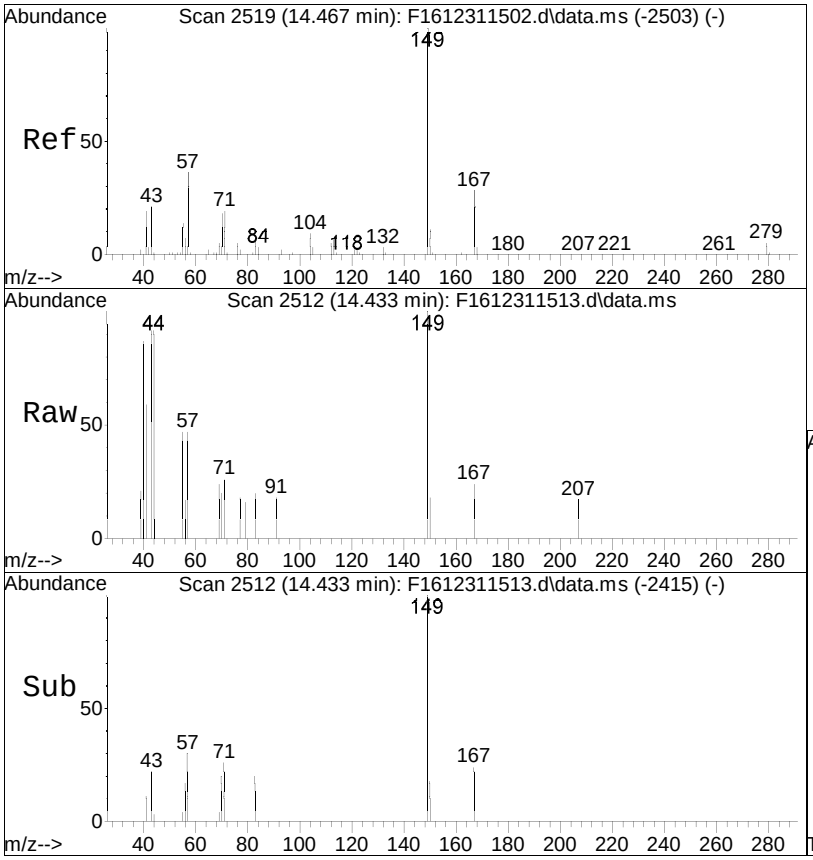


#80
Butylbenzylphthalate
Concen: 0.05 ug/mL
RT: 12.974 min Scan# 2209
Delta R.T. -0.034 min
Lab File: F1612311513.d
Acq: 31 Dec 2015 5:38 pm

Tgt Ion:149 Resp: 3869

Ion	Ratio	Lower	Upper
149	100		
91	98.0	57.8	86.6#
206	17.3	18.3	27.5#

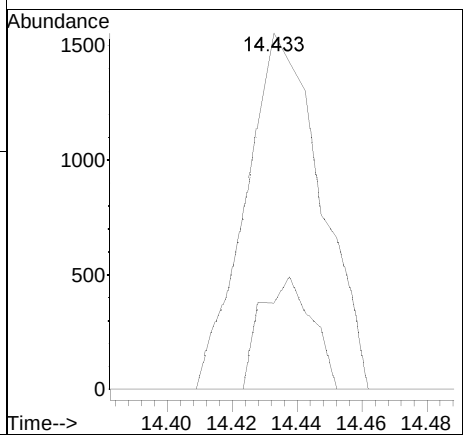




#84
bis(2-Ethylhexyl)phthalate
Concen: 0.02 ug/mL
RT: 14.433 min Scan# 2512
Delta R.T. -0.034 min
Lab File: F1612311513.d
Acq: 31 Dec 2015 5:38 pm

Tgt Ion:149 Resp: 2509

Ion	Ratio	Lower	Upper
149	100		
167	21.3	26.2	39.4#
279	0.0	5.2	7.8#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311514.d
Acq On : 31 Dec 2015 6:07 pm
Operator : PAH16:JT
Sample : L1533592-04
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 12 11:32:10 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.422	152	190451	5.000	ug/mL	-0.01
21) Naphthalene-d8	5.577	136	756951	5.000	ug/mL	-0.01
38) Acenaphthene-d10	7.272	164	359524	5.000	ug/mL	-0.01
61) Phenanthrene-d10	8.967	188	649238	5.000	ug/mL	-0.02
76) Chrysene-d12	14.062	240	538566	5.000	ug/mL	-0.03
85) Perylene-d12	17.202	264	463158	5.000	ug/mL	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	3.382	112	273622	5.131	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 25.66%			
8) Phenol-d5	4.109	99	282320	3.926	ug/mL	-0.01
Spiked Amount 20.000	Range 10 - 94		Recovery = 19.63%			
22) Nitrobenzene-d5	4.918	82	743565	11.640	ug/mL	-0.01
Spiked Amount 20.000	Range 35 - 114		Recovery = 58.20%			
43) 2-Fluorobiphenyl	6.618	172	1259961	12.365	ug/mL	-0.01
Spiked Amount 20.000	Range 43 - 116		Recovery = 61.82%			
65) 2,4,6-Tribromophenol	8.096	330	112194M4	13.031	ug/mL	-0.02
Spiked Amount 20.000	Range 10 - 123		Recovery = 65.16%			
79) Terphenyl-d14	11.808	244	1570387	19.590	ug/mL	-0.02
Spiked Amount 20.000	Range 33 - 141		Recovery = 97.95%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.447	74	399	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.065	77	504	N.D.		
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	4.109	63	826	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	4.658	45	173	N.D.		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	4.783	105	2073	0.031	ug/ml#	90
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311514.d
Acq On : 31 Dec 2015 6:07 pm
Operator : PAH16:JT
Sample : L1533592-04
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 12 11:32:10 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	5.963	113	486	0.031	ug/ml#	66
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	7.518	109	262	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	7.720	149	2245	0.021	ug/mL#	84
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.	d	
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.	d	
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	9.930	149	4403	0.027	ug/mL#	90

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311514.d
Acq On : 31 Dec 2015 6:07 pm
Operator : PAH16:JT
Sample : L1533592-04
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 12 11:32:10 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Benzidine	0.000		0	N.D.		
80) Butylbenzylphthalate	12.974	149	4677	0.065	ug/mL#	67
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.438	149	3308	0.036	ug/mL#	79
86) Di-n-octylphthalate	0.000		0	N.D. d		

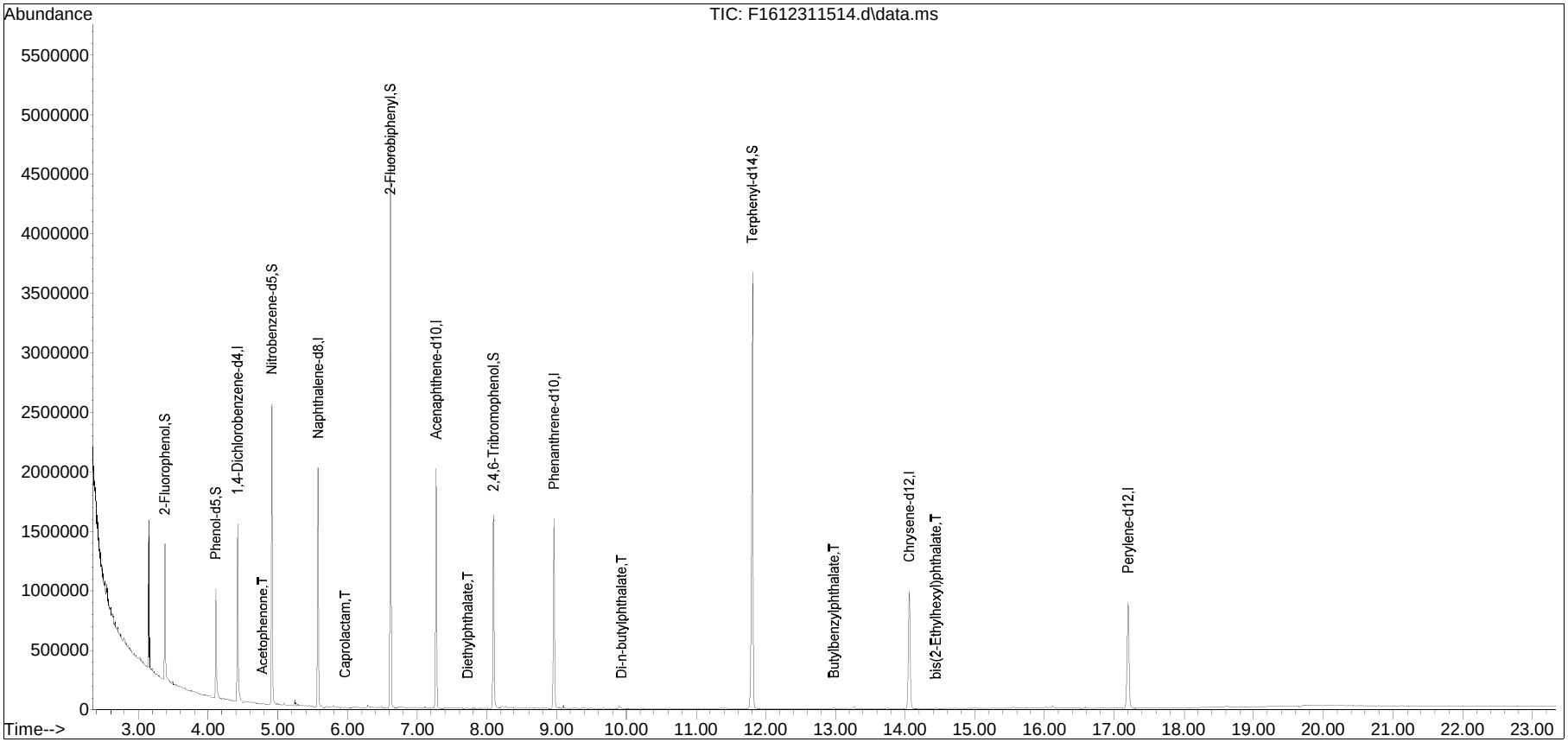
(#) = qualifier out of range (m) = manual integration (+) = signals summed

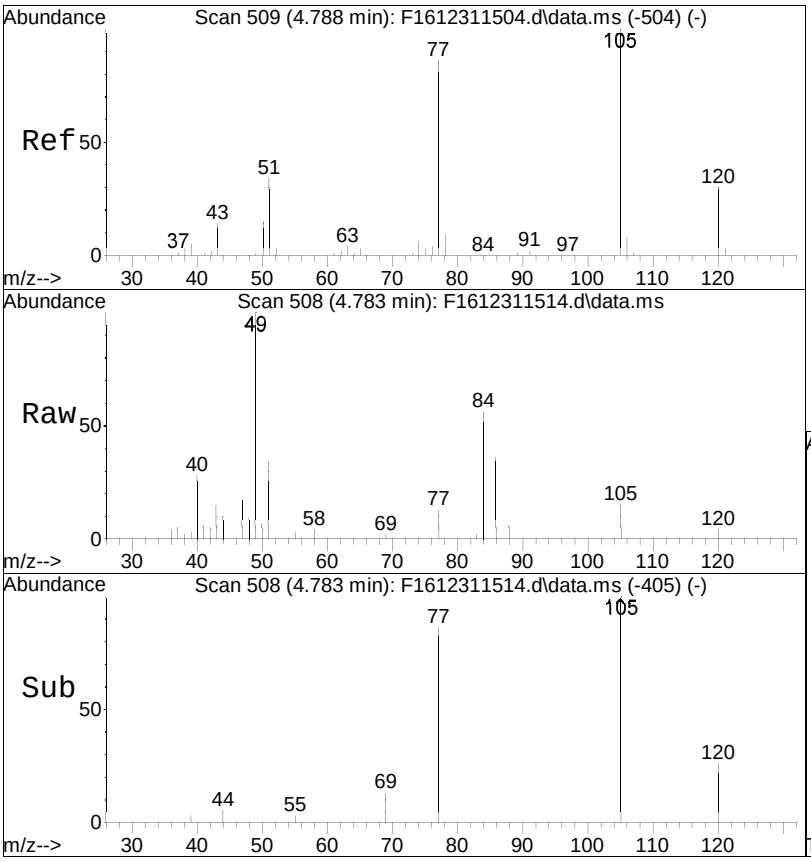
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311514.d
Acq On : 31 Dec 2015 6:07 pm
Operator : PAH16:JT
Sample : L1533592-04
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 12 11:32:10 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

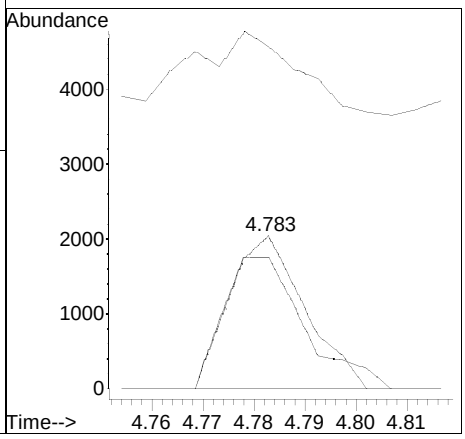


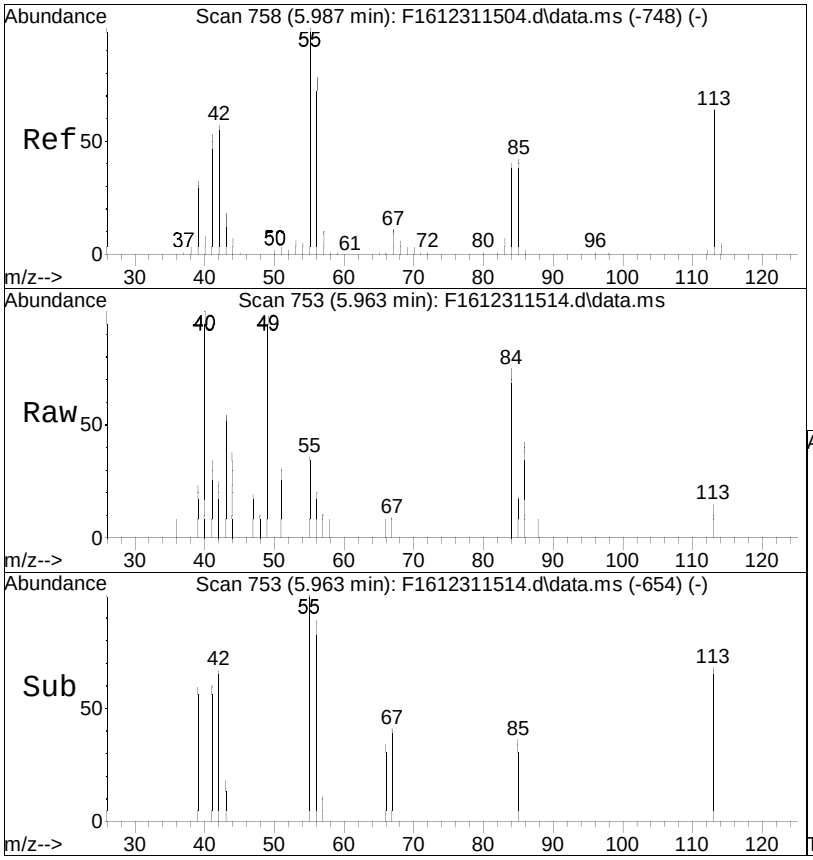


#17
Acetophenone
Concen: 0.03 ug/ml
RT: 4.783 min Scan# 508
Delta R.T. -0.005 min
Lab File: F1612311514.d
Acq: 31 Dec 2015 6:07 pm

Tgt Ion:105 Resp: 2073

Ion	Ratio	Lower	Upper
105	100		
77	92.3	68.6	103.0
51	45.9	29.0	43.4#

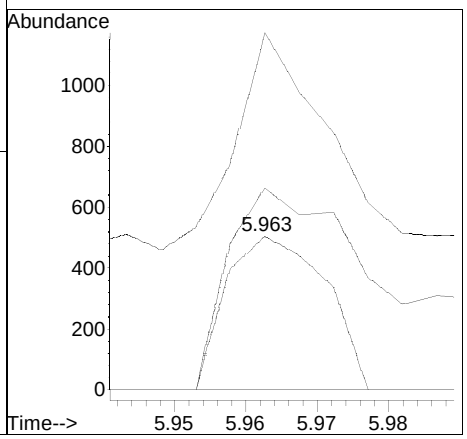


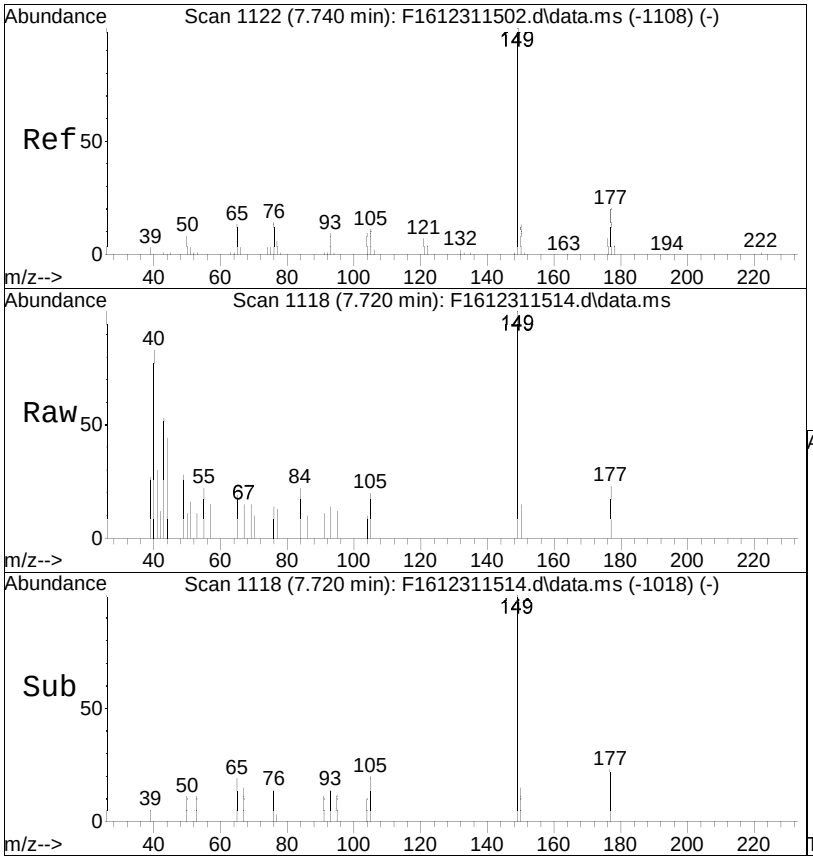


#35
Caprolactam
Concen: 0.03 ug/ml
RT: 5.963 min Scan# 753
Delta R.T. -0.024 min
Lab File: F1612311514.d
Acq: 31 Dec 2015 6:07 pm

Tgt Ion:113 Resp: 486

Ion	Ratio	Lower	Upper
113	100		
55	185.6	125.3	187.9
56	175.9	96.2	144.2#

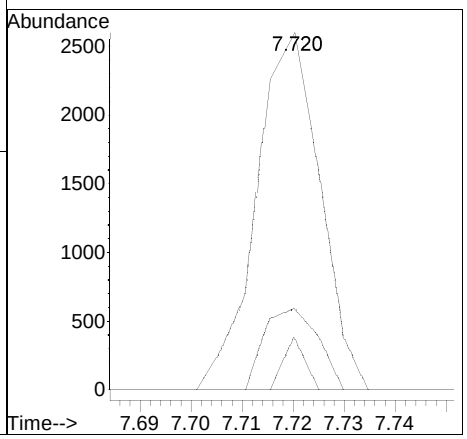


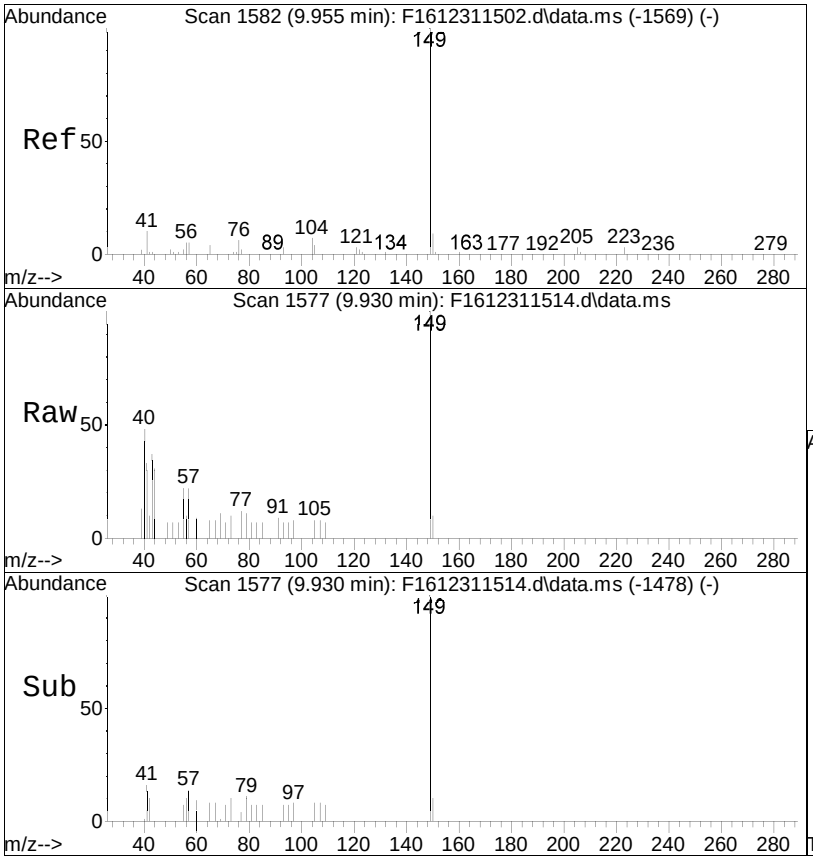


#59
Diethylphthalate
Concen: 0.02 ug/mL
RT: 7.720 min Scan# 1118
Delta R.T. -0.019 min
Lab File: F1612311514.d
Acq: 31 Dec 2015 6:07 pm

Tgt Ion:149 Resp: 2245

Ion	Ratio	Lower	Upper
149	100		
177	19.3	18.6	27.8
150	0.0	9.8	14.8#

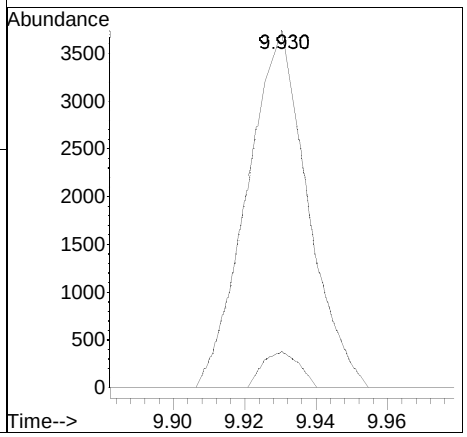


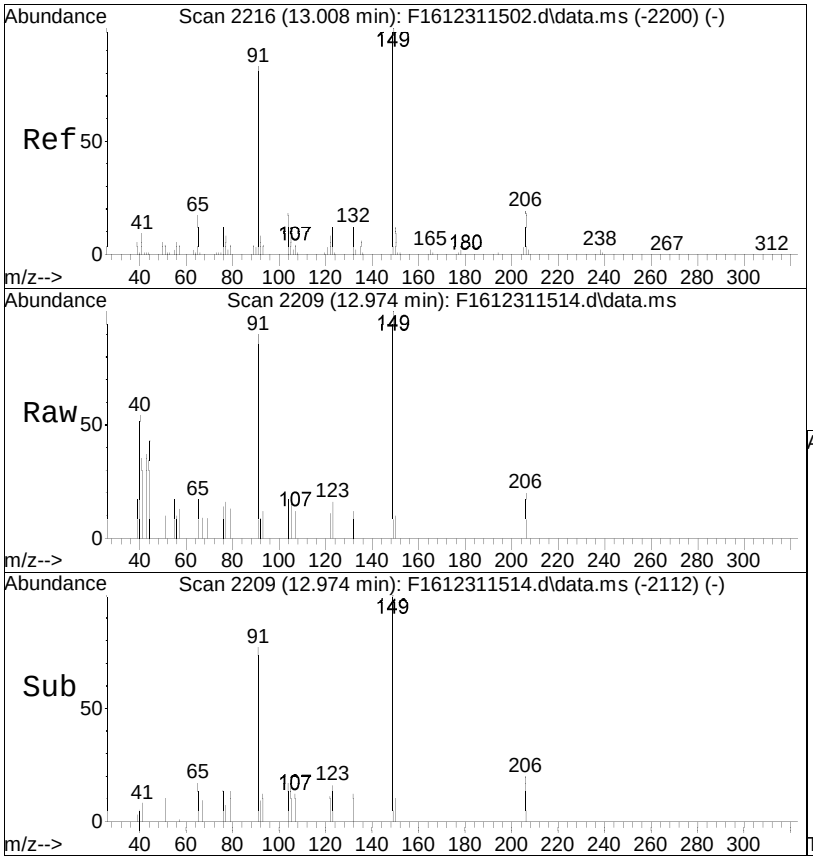


#74
Di-n-butylphthalate
Concen: 0.03 ug/mL
RT: 9.930 min Scan# 1577
Delta R.T. -0.024 min
Lab File: F1612311514.d
Acq: 31 Dec 2015 6:07 pm

Tgt Ion:149 Resp: 4403

Ion	Ratio	Lower	Upper
149	100		
150	6.1	7.0	10.4#
104	0.0	3.9	5.9#

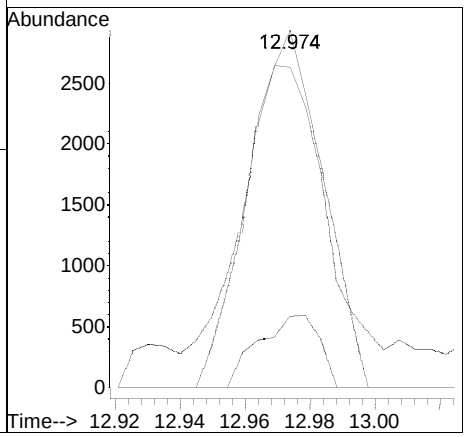


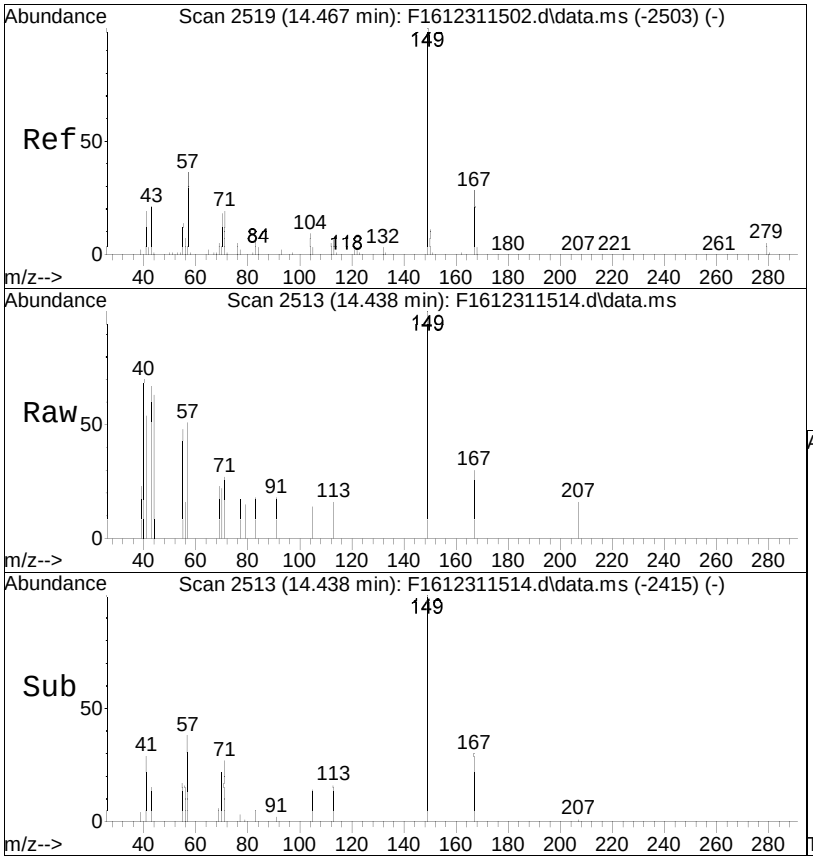


#80
Butylbenzylphthalate
Concen: 0.07 ug/mL
RT: 12.974 min Scan# 2209
Delta R.T. -0.034 min
Lab File: F1612311514.d
Acq: 31 Dec 2015 6:07 pm

Tgt Ion:149 Resp: 4677

Ion	Ratio	Lower	Upper
149	100		
91	105.0	57.8	86.6#
206	16.5	18.3	27.5#

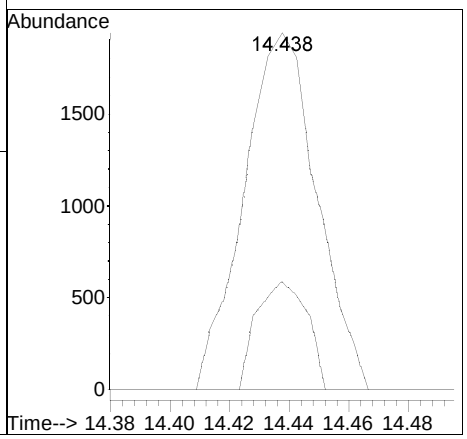




#84
bis(2-Ethylhexyl)phthalate
Concen: 0.04 ug/mL
RT: 14.438 min Scan# 2513
Delta R.T. -0.029 min
Lab File: F1612311514.d
Acq: 31 Dec 2015 6:07 pm

Tgt Ion:149 Resp: 3308

Ion	Ratio	Lower	Upper
149	100		
167	21.0	26.2	39.4#
279	0.0	5.2	7.8#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311515.d
Acq On : 31 Dec 2015 6:36 pm
Operator : PAH16:JT
Sample : L1533592-05
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 04 15:57:13 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.422	152	205876	5.000	ug/mL	-0.01
21) Naphthalene-d8	5.578	136	813840	5.000	ug/mL	-0.01
38) Acenaphthene-d10	7.273	164	387965	5.000	ug/mL	-0.01
61) Phenanthrene-d10	8.968	188	699379	5.000	ug/mL	-0.02
76) Chrysene-d12	14.062	240	587970	5.000	ug/mL	-0.03
85) Perylene-d12	17.202	264	516493	5.000	ug/mL	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	3.382	112	336807	5.842	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 29.21%			
8) Phenol-d5	4.109	99	342848	4.410	ug/mL	-0.01
Spiked Amount 20.000	Range 10 - 94		Recovery = 22.05%			
22) Nitrobenzene-d5	4.918	82	930026	13.541	ug/mL	-0.01
Spiked Amount 20.000	Range 35 - 114		Recovery = 67.70%			
43) 2-Fluorobiphenyl	6.618	172	1417733	12.893	ug/mL	-0.01
Spiked Amount 20.000	Range 43 - 116		Recovery = 64.47%			
65) 2,4,6-Tribromophenol	8.096	330	108540	11.703	ug/mL	-0.02
Spiked Amount 20.000	Range 10 - 123		Recovery = 58.51%			
79) Terphenyl-d14	11.809	244	1638955	18.727	ug/mL	-0.02
Spiked Amount 20.000	Range 33 - 141		Recovery = 93.64%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.066	77	868	N.D.		
6) Aniline	4.171	93	175	N.D.		
7) bis(2-Chloroethyl)ether	4.109	63	949	N.D.		
9) Phenol	4.119	94	209	N.D.		
10) 2-Chlorophenol	4.244	128	221	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	4.566	146	343	N.D.		
14) Benzyl alcohol	4.547	108	425	N.D.		
15) bis(2-chloroisopropyl)eth	4.663	45	534	N.D.		
16) 2-Methylphenol	4.547	108	425	N.D.		
17) Acetophenone	4.778	105	1968	0.027	ug/ml#	76
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311515.d
Acq On : 31 Dec 2015 6:36 pm
Operator : PAH16:JT
Sample : L1533592-05
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 04 15:57:13 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	5.240	93	489	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	5.597	127	245	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	5.963	113	357	0.021	ug/ml#	10
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	6.714	154	164	N.D.		
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	7.475	168	186	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	7.508	109	74	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	7.720	149	2558	0.022	ug/mL#	88
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.	d	
63) Azobenzene	8.024	182	159	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.	d	
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	9.931	149	4289	0.024	ug/mL	98
77) Benzidine	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311515.d
Acq On : 31 Dec 2015 6:36 pm
Operator : PAH16:JT
Sample : L1533592-05
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 04 15:57:13 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Butylbenzylphthalate	12.974	149	6003	0.077	ug/mL#	80
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.433	149	3485	0.034	ug/mL#	86
86) Di-n-octylphthalate	16.022	149	160	N.D.		

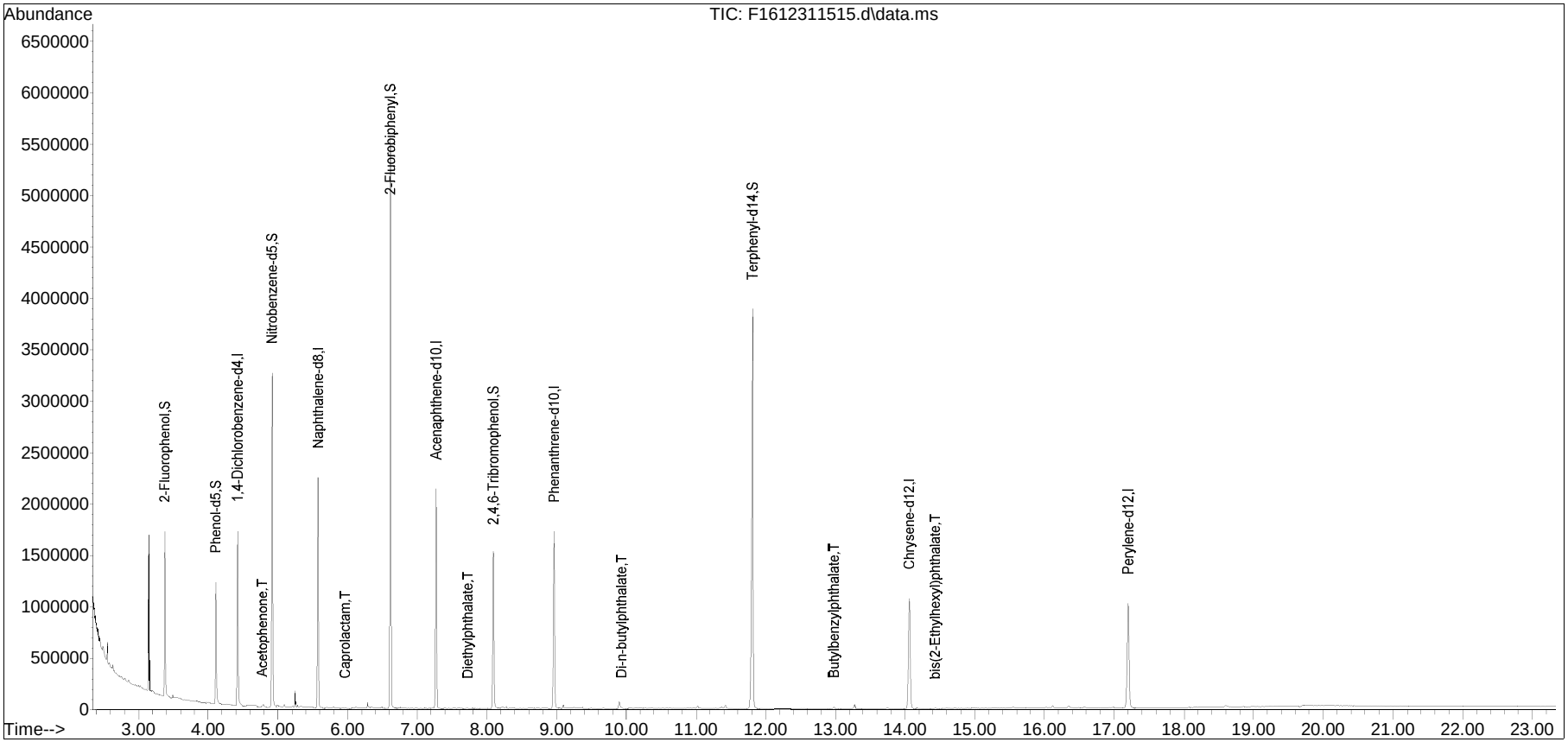
(#) = qualifier out of range (m) = manual integration (+) = signals summed

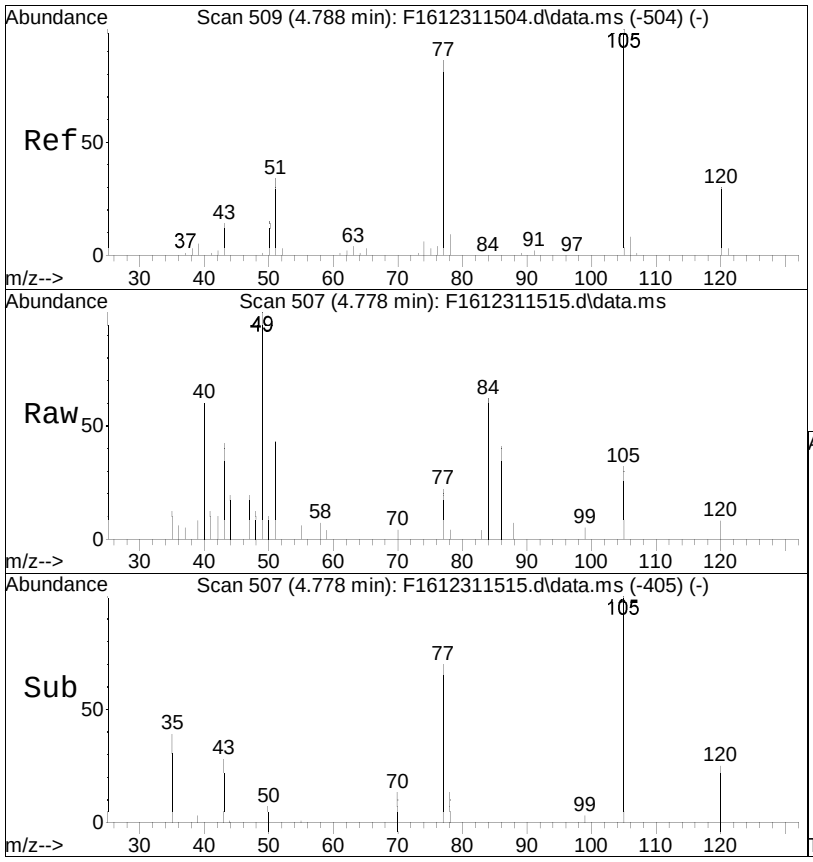
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311515.d
Acq On : 31 Dec 2015 6:36 pm
Operator : PAH16:JT
Sample : L1533592-05
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 04 15:57:13 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

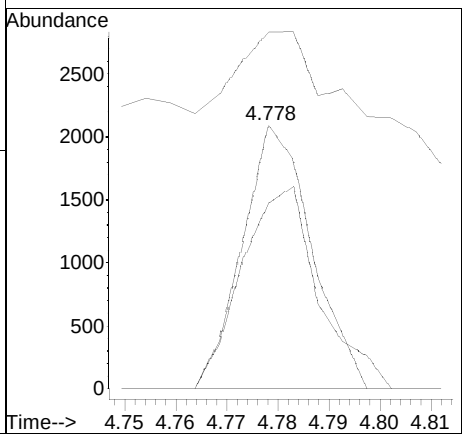


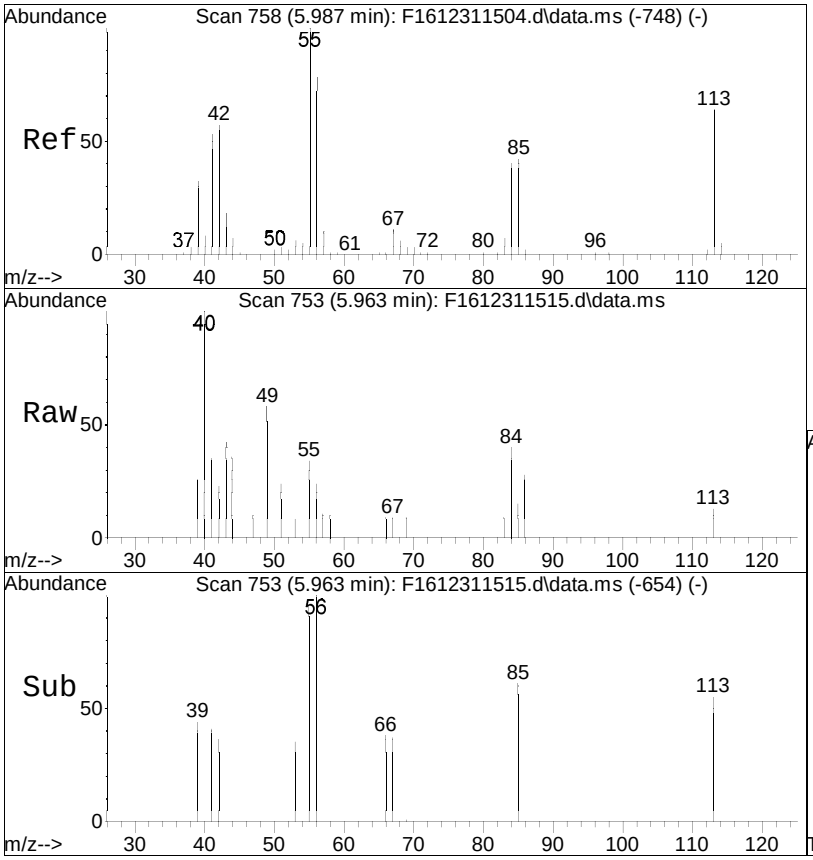


#17
Acetophenone
Concen: 0.03 ug/ml
RT: 4.778 min Scan# 507
Delta R.T. -0.010 min
Lab File: F1612311515.d
Acq: 31 Dec 2015 6:36 pm

Tgt Ion:105 Resp: 1968

Ion	Ratio	Lower	Upper
105	100		
77	85.1	68.6	103.0
51	82.2	29.0	43.4#

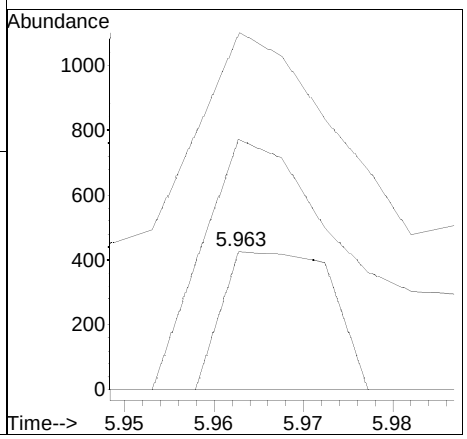


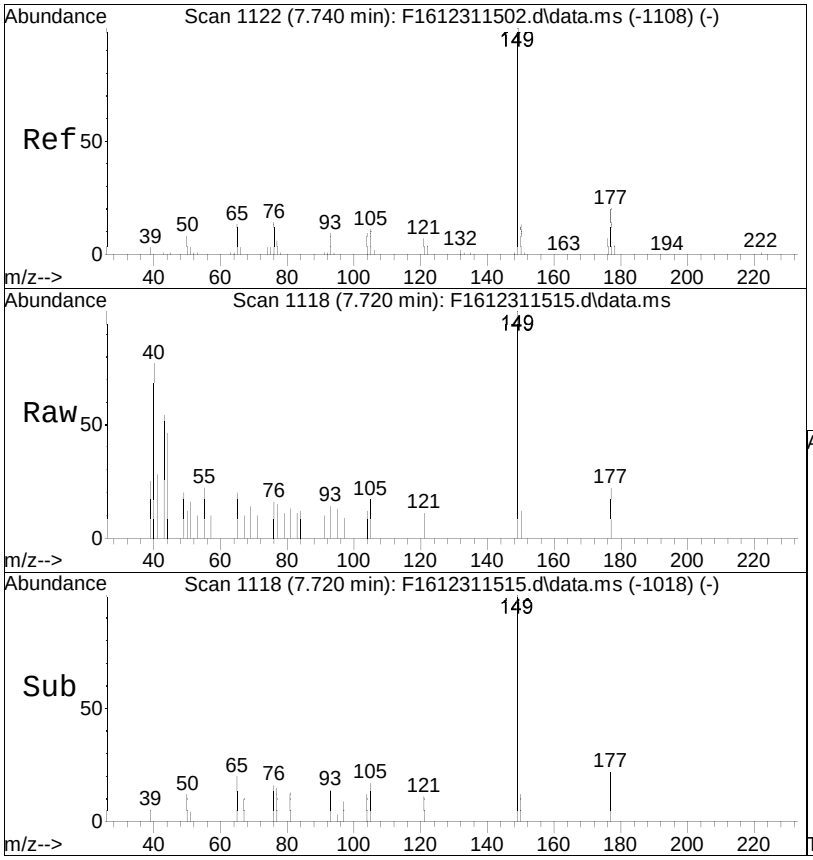


#35
Caprolactam
Concen: 0.02 ug/ml
RT: 5.963 min Scan# 753
Delta R.T. -0.024 min
Lab File: F1612311515.d
Acq: 31 Dec 2015 6:36 pm

Tgt Ion:113 Resp: 357

Ion	Ratio	Lower	Upper
113	100		
55	229.1	125.3	187.9#
56	270.3	96.2	144.2#

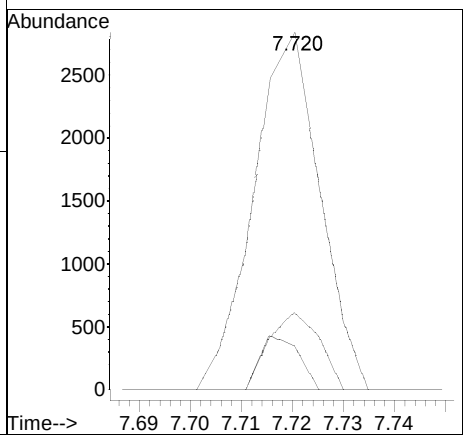


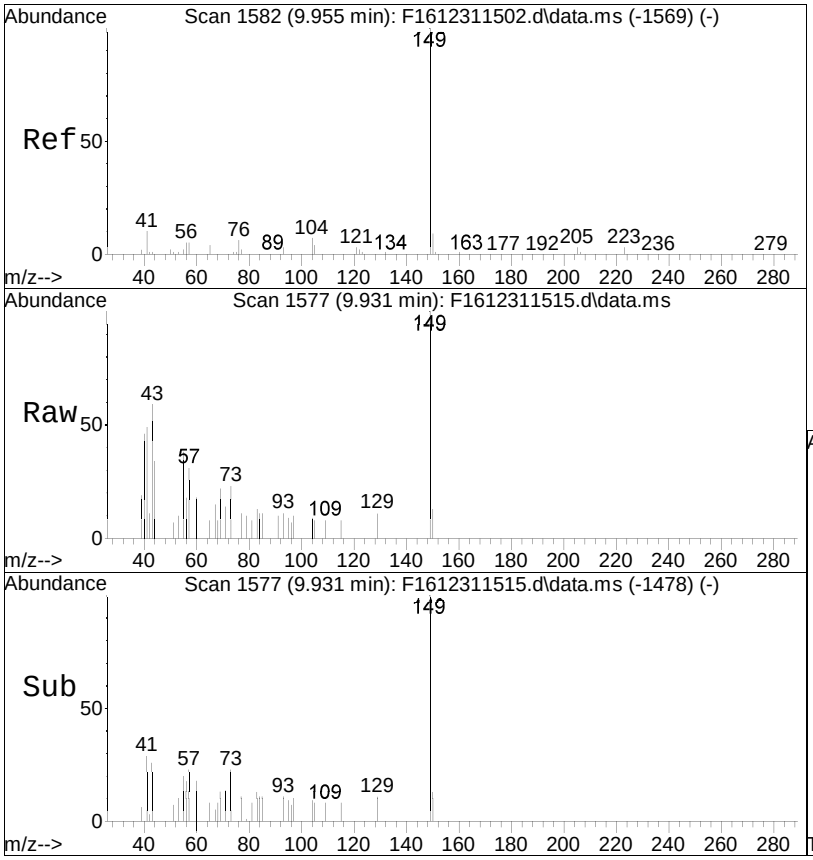


#59
Diethylphthalate
Concen: 0.02 ug/mL
RT: 7.720 min Scan# 1118
Delta R.T. -0.019 min
Lab File: F1612311515.d
Acq: 31 Dec 2015 6:36 pm

Tgt Ion:149 Resp: 2558

Ion	Ratio	Lower	Upper
149	100		
177	16.4	18.6	27.8#
150	8.9	9.8	14.8#

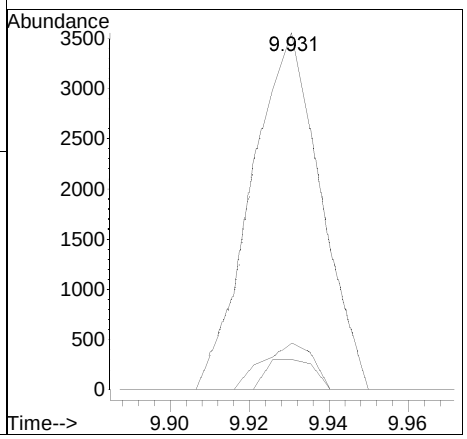


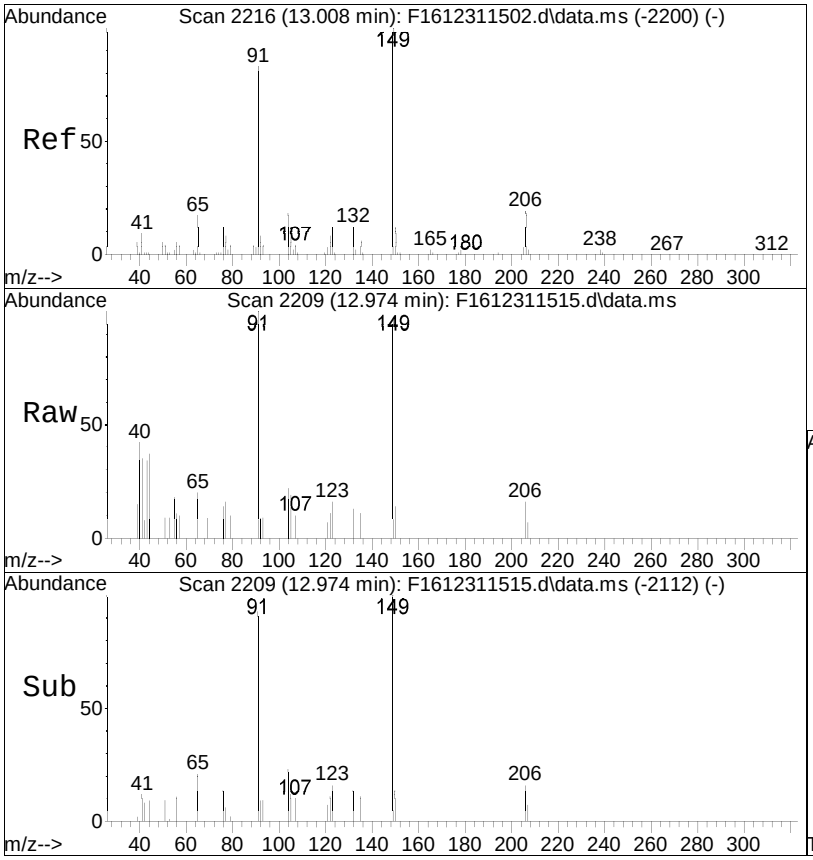


#74
Di-n-butylphthalate
Concen: 0.02 ug/mL
RT: 9.931 min Scan# 1577
Delta R.T. -0.024 min
Lab File: F1612311515.d
Acq: 31 Dec 2015 6:36 pm

Tgt Ion:149 Resp: 4289

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.0	10.4
104	5.8	3.9	5.9

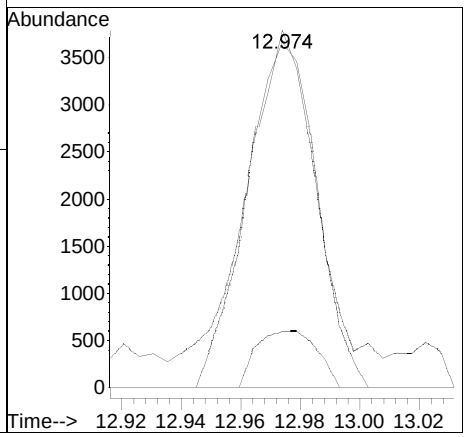


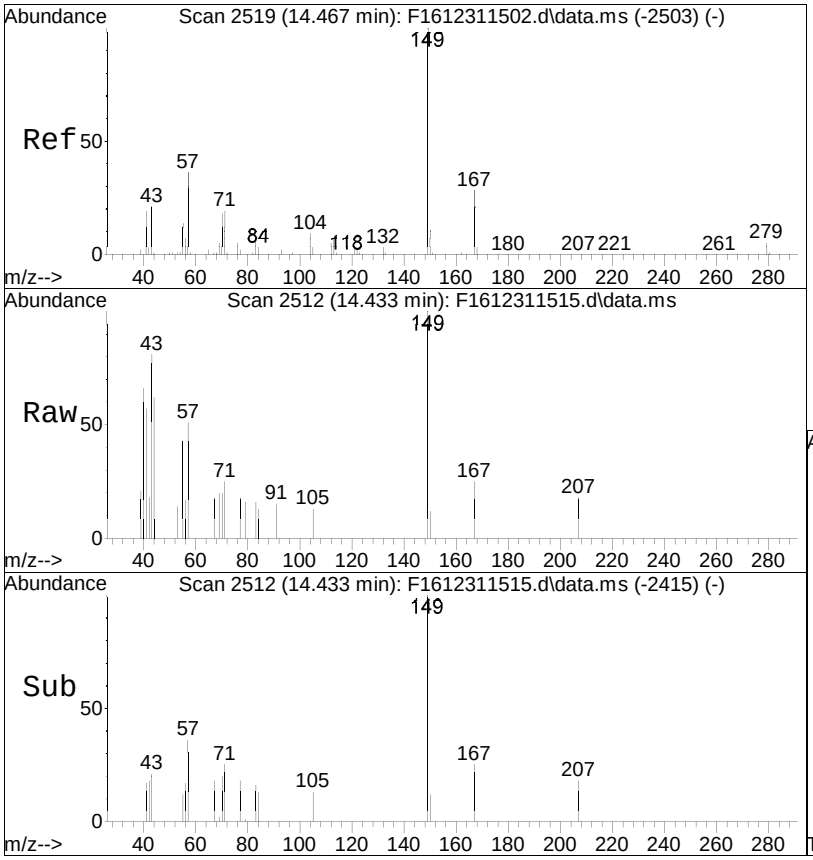


#80
Butylbenzylphthalate
Concen: 0.08 ug/mL
RT: 12.974 min Scan# 2209
Delta R.T. -0.034 min
Lab File: F1612311515.d
Acq: 31 Dec 2015 6:36 pm

Tgt Ion:149 Resp: 6003

Ion	Ratio	Lower	Upper
149	100		
91	89.8	57.8	86.6#
206	14.2	18.3	27.5#

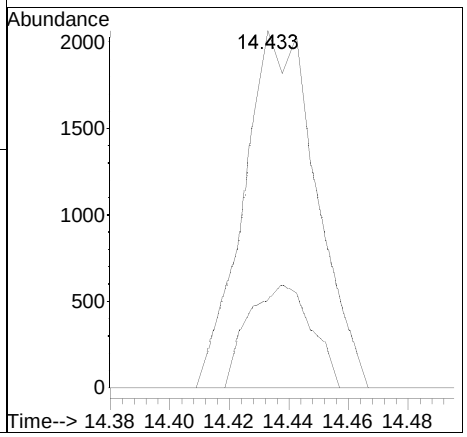




#84
bis(2-Ethylhexyl)phthalate
Concen: 0.03 ug/mL
RT: 14.433 min Scan# 2512
Delta R.T. -0.034 min
Lab File: F1612311515.d
Acq: 31 Dec 2015 6:36 pm

Tgt Ion:149 Resp: 3485

Ion	Ratio	Lower	Upper
149	100		
167	25.2	26.2	39.4#
279	0.0	5.2	7.8#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311518.d
Acq On : 31 Dec 2015 8:03 pm
Operator : PAH16:JT
Sample : L1533592-06
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 04 16:42:34 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.417	152	205681	5.000	ug/mL	-0.01
21) Naphthalene-d8	5.578	136	812724	5.000	ug/mL	-0.01
38) Acenaphthene-d10	7.273	164	386429	5.000	ug/mL	-0.01
61) Phenanthrene-d10	8.968	188	708107	5.000	ug/mL	-0.02
76) Chrysene-d12	14.062	240	597134	5.000	ug/mL	-0.03
85) Perylene-d12	17.202	264	522664	5.000	ug/mL	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	3.382	112	382835	6.647	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 33.24%			
8) Phenol-d5	4.109	99	367250	4.728	ug/mL	-0.01
Spiked Amount 20.000	Range 10 - 94		Recovery = 23.64%			
22) Nitrobenzene-d5	4.918	82	961377	14.017	ug/mL	-0.01
Spiked Amount 20.000	Range 35 - 114		Recovery = 70.08%			
43) 2-Fluorobiphenyl	6.618	172	1473650	13.455	ug/mL	-0.01
Spiked Amount 20.000	Range 43 - 116		Recovery = 67.27%			
65) 2,4,6-Tribromophenol	8.096	330	131328	13.985	ug/mL	-0.02
Spiked Amount 20.000	Range 10 - 123		Recovery = 69.92%			
79) Terphenyl-d14	11.809	244	1678604	18.886	ug/mL	-0.02
Spiked Amount 20.000	Range 33 - 141		Recovery = 94.43%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.066	77	743	N.D.		
6) Aniline	4.172	93	180	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.	d	
9) Phenol	4.119	94	292	N.D.		
10) 2-Chlorophenol	4.244	128	343	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	4.672	146	336	N.D.		
14) Benzyl alcohol	4.547	108	572	N.D.		
15) bis(2-chloroisopropyl)eth	4.653	45	286	N.D.		
16) 2-Methylphenol	4.547	108	572	N.D.		
17) Acetophenone	4.778	105	2388	0.033	ug/ml	94
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311518.d
Acq On : 31 Dec 2015 8:03 pm
Operator : PAH16:JT
Sample : L1533592-06
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 04 16:42:34 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	5.963	113	550	0.033	ug/ml#	56
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	7.523	109	290	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	7.716	149	3269	0.028	ug/mL#	88
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.	d	
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	9.931	149	4555	0.025	ug/mL#	96
77) Benzidine	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311518.d
Acq On : 31 Dec 2015 8:03 pm
Operator : PAH16:JT
Sample : L1533592-06
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 04 16:42:34 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Butylbenzylphthalate	12.974	149	3677	0.046	ug/mL#	49
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.438	149	3360	0.033	ug/mL#	80
86) Di-n-octylphthalate	15.974	149	198	N.D.		

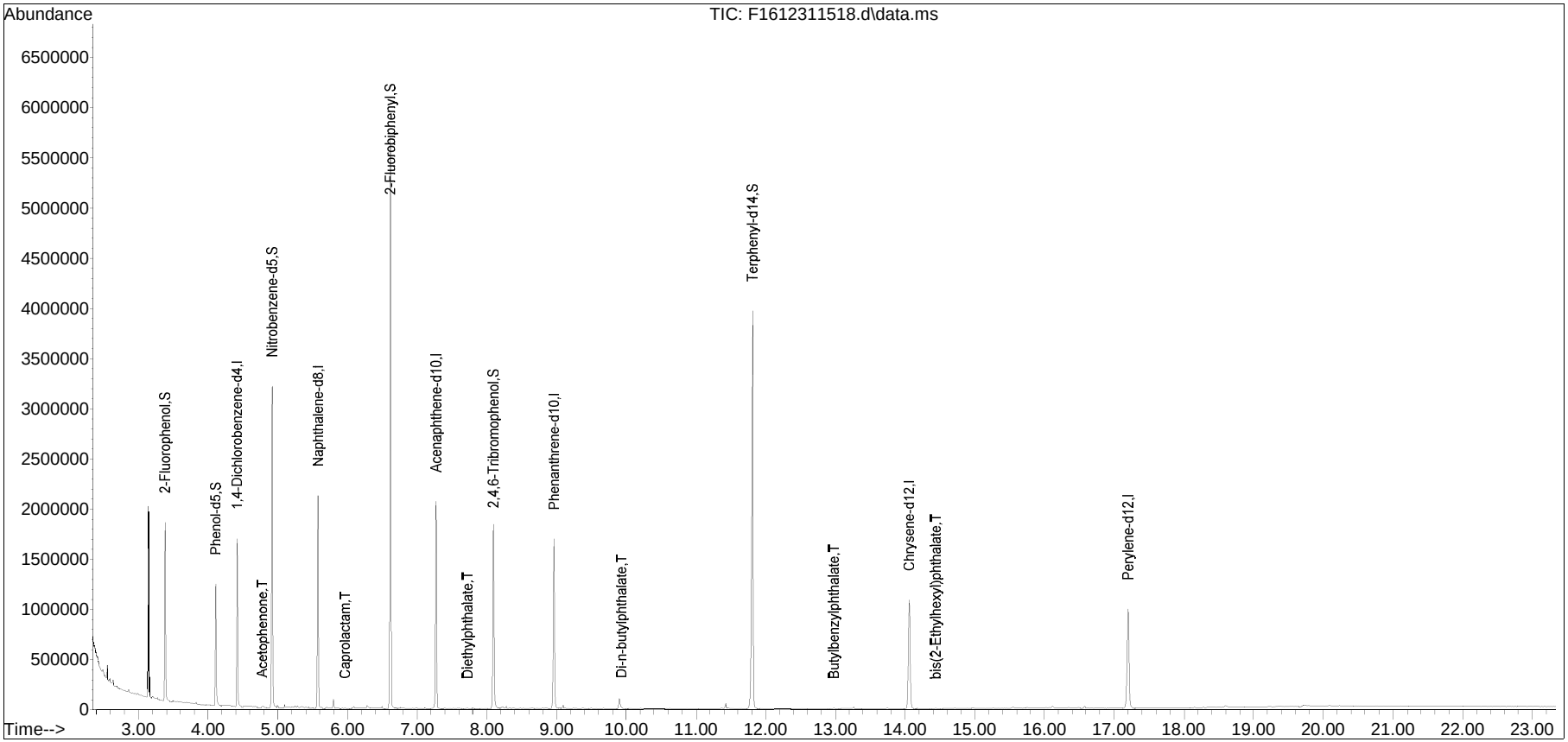
(#) = qualifier out of range (m) = manual integration (+) = signals summed

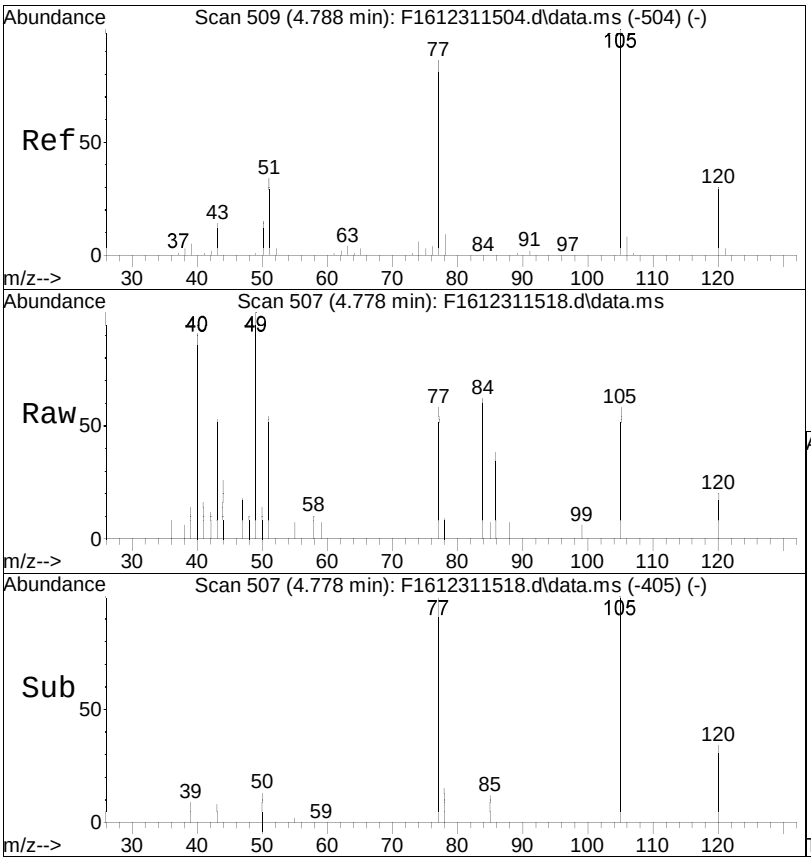
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311518.d
Acq On : 31 Dec 2015 8:03 pm
Operator : PAH16:JT
Sample : L1533592-06
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 04 16:42:34 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

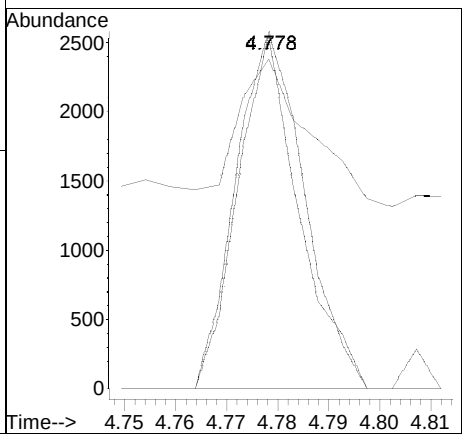


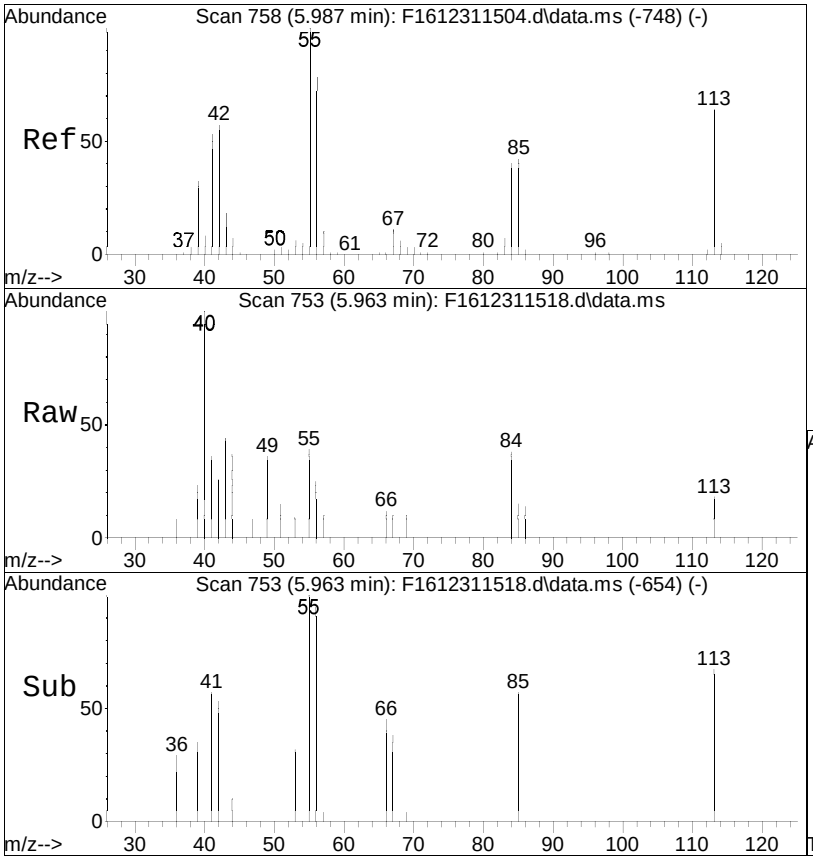


#17
Acetophenone
Concen: 0.03 ug/ml
RT: 4.778 min Scan# 507
Delta R.T. -0.010 min
Lab File: F1612311518.d
Acq: 31 Dec 2015 8:03 pm

Tgt Ion:105 Resp: 2388

Ion	Ratio	Lower	Upper
105	100		
77	88.9	68.6	103.0
51	42.8	29.0	43.4

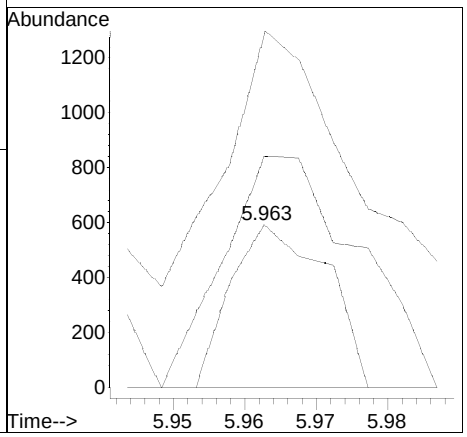


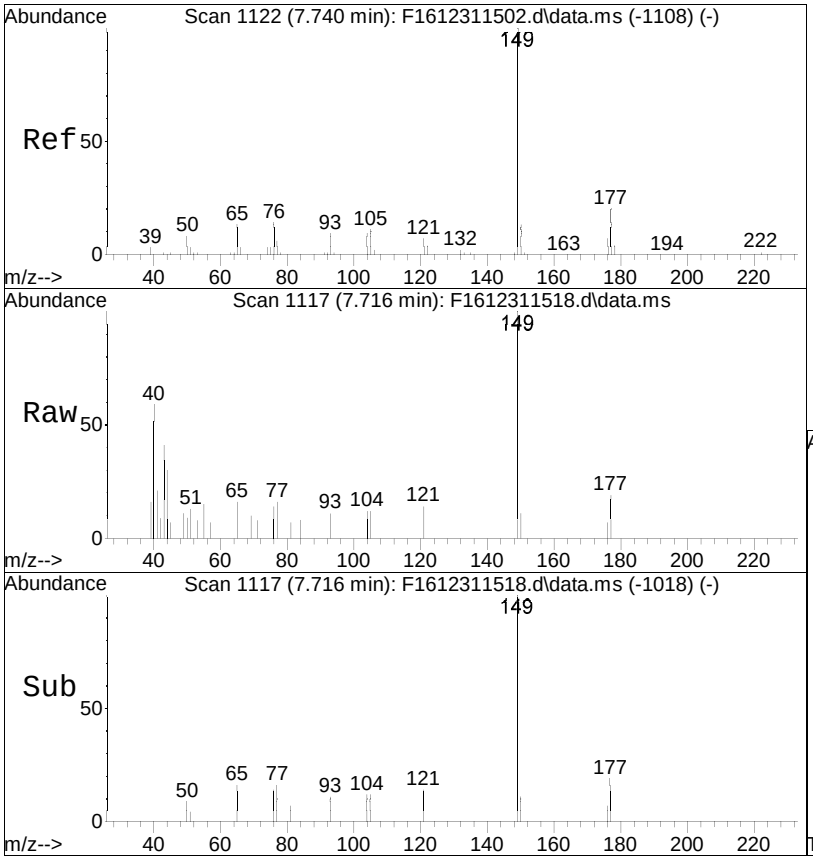


#35
Caprolactam
Concen: 0.03 ug/ml
RT: 5.963 min Scan# 753
Delta R.T. -0.024 min
Lab File: F1612311518.d
Acq: 31 Dec 2015 8:03 pm

Tgt Ion:113 Resp: 550

Ion	Ratio	Lower	Upper
113	100		
55	187.8	125.3	187.9
56	199.1	96.2	144.2#

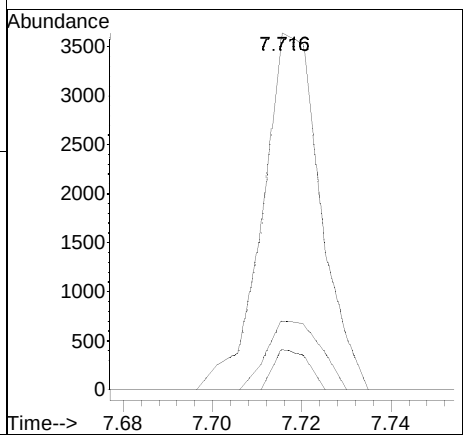


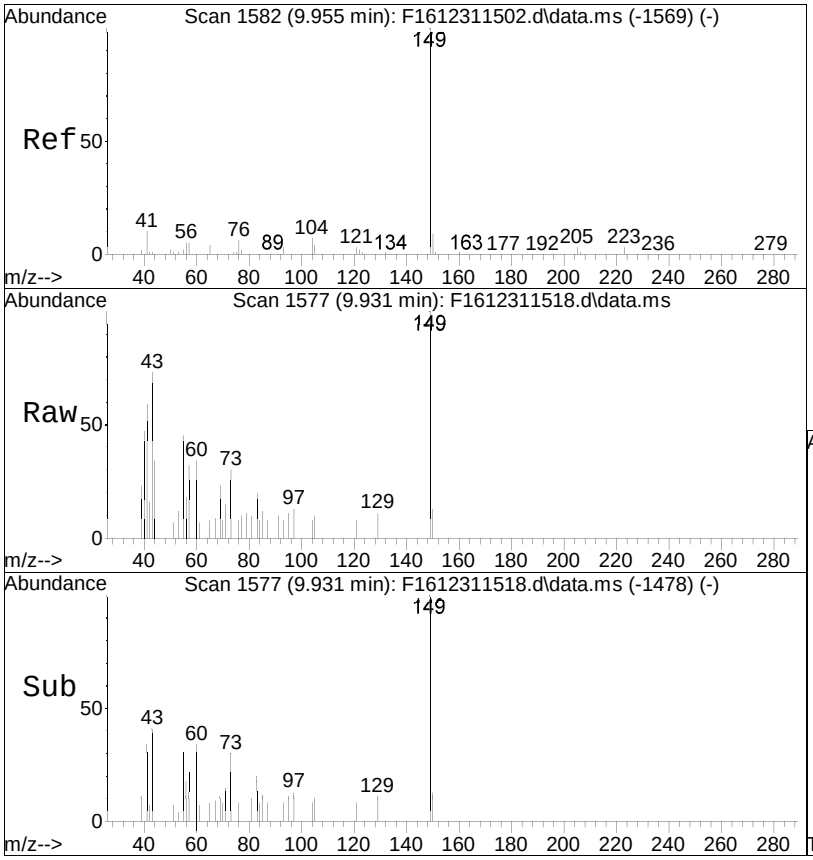


#59
Diethylphthalate
Concen: 0.03 ug/mL
RT: 7.716 min Scan# 1117
Delta R.T. -0.024 min
Lab File: F1612311518.d
Acq: 31 Dec 2015 8:03 pm

Tgt Ion:149 Resp: 3269

Ion	Ratio	Lower	Upper
149	100		
177	17.8	18.6	27.8#
150	6.8	9.8	14.8#

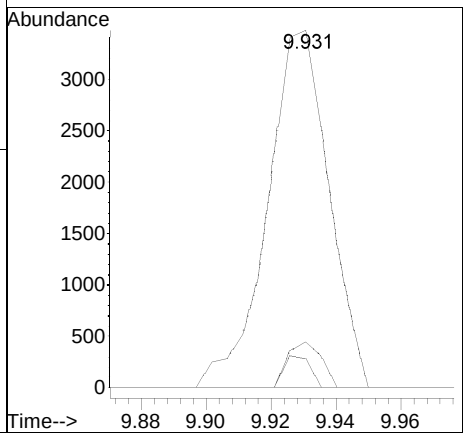


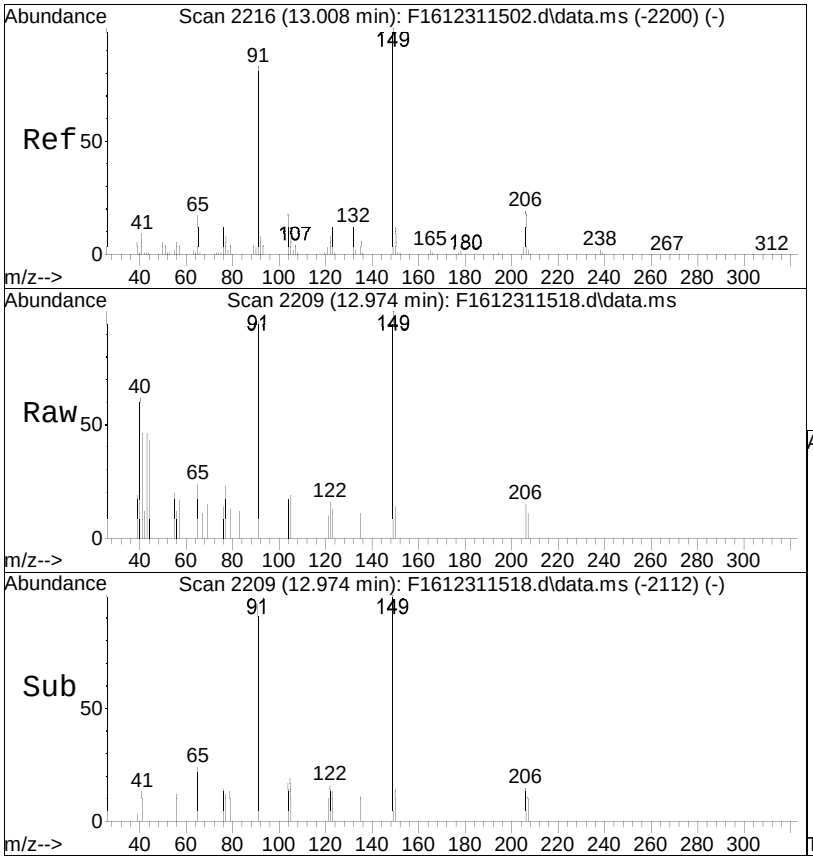


#74
Di-n-butylphthalate
Concen: 0.03 ug/mL
RT: 9.931 min Scan# 1577
Delta R.T. -0.024 min
Lab File: F1612311518.d
Acq: 31 Dec 2015 8:03 pm

Tgt Ion:149 Resp: 4555

Ion	Ratio	Lower	Upper
149	100		
150	7.1	7.0	10.4
104	3.8	3.9	5.9#

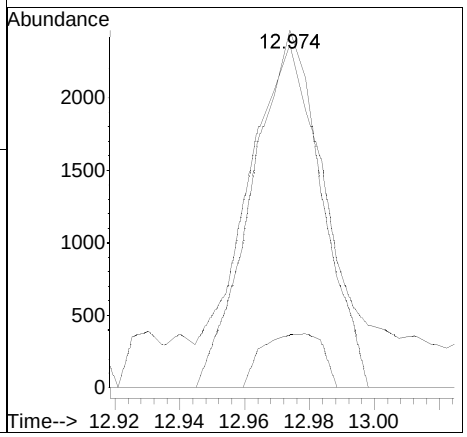


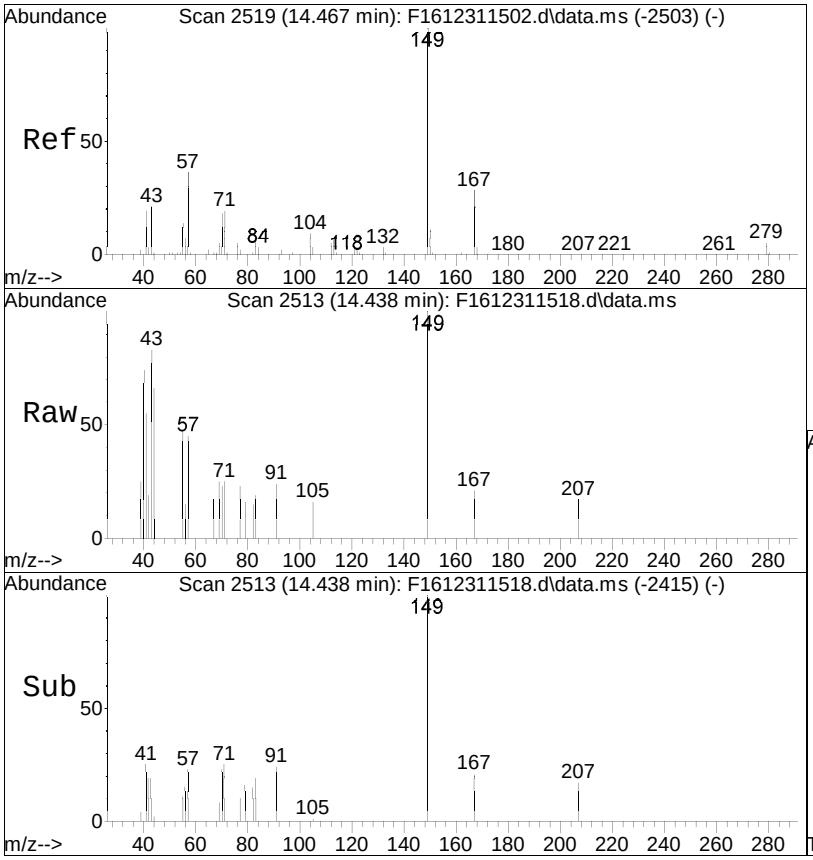


#80
Butylbenzylphthalate
Concen: 0.05 ug/mL
RT: 12.974 min Scan# 2209
Delta R.T. -0.034 min
Lab File: F1612311518.d
Acq: 31 Dec 2015 8:03 pm

Tgt Ion:149 Resp: 3677

Ion	Ratio	Lower	Upper
149	100		
91	122.8	57.8	86.6#
206	13.1	18.3	27.5#

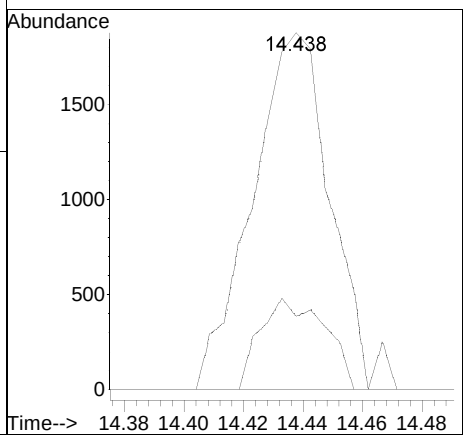




#84
bis(2-Ethylhexyl)phthalate
Concen: 0.03 ug/mL
RT: 14.438 min Scan# 2513
Delta R.T. -0.029 min
Lab File: F1612311518.d
Acq: 31 Dec 2015 8:03 pm

Tgt Ion:149 Resp: 3360

Ion	Ratio	Lower	Upper
149	100		
167	21.6	26.2	39.4#
279	0.0	5.2	7.8#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311519.d
Acq On : 31 Dec 2015 8:32 pm
Operator : PAH16:JT
Sample : L1533592-07
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 04 16:43:29 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.422	152	204286	5.000	ug/mL	-0.01
21) Naphthalene-d8	5.578	136	801450	5.000	ug/mL	-0.01
38) Acenaphthene-d10	7.273	164	385444	5.000	ug/mL	-0.01
61) Phenanthrene-d10	8.968	188	692870	5.000	ug/mL	-0.02
76) Chrysene-d12	14.062	240	591398	5.000	ug/mL	-0.03
85) Perylene-d12	17.202	264	515316	5.000	ug/mL	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	3.382	112	440711	7.704	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 38.52%			
8) Phenol-d5	4.109	99	414078	5.368	ug/mL	-0.01
Spiked Amount 20.000	Range 10 - 94		Recovery = 26.84%			
22) Nitrobenzene-d5	4.918	82	945619	13.981	ug/mL	-0.01
Spiked Amount 20.000	Range 35 - 114		Recovery = 69.91%			
43) 2-Fluorobiphenyl	6.618	172	1514422	13.862	ug/mL	-0.01
Spiked Amount 20.000	Range 43 - 116		Recovery = 69.31%			
65) 2,4,6-Tribromophenol	8.096	330	152617	16.609	ug/mL	-0.02
Spiked Amount 20.000	Range 10 - 123		Recovery = 83.05%			
79) Terphenyl-d14	11.809	244	1638291	18.611	ug/mL	-0.02
Spiked Amount 20.000	Range 33 - 141		Recovery = 93.05%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.066	77	726	N.D.		
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.	d	
9) Phenol	4.123	94	384	N.D.		
10) 2-Chlorophenol	4.244	128	225	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	4.547	108	292	N.D.		
15) bis(2-chloroisopropyl)eth	4.658	45	507	N.D.		
16) 2-Methylphenol	4.547	108	292	N.D.		
17) Acetophenone	4.778	105	2059	0.029	ug/ml#	88
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311519.d
Acq On : 31 Dec 2015 8:32 pm
Operator : PAH16:JT
Sample : L1533592-07
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 04 16:43:29 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	5.318	105	1295	0.691	ug/mL	96
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	5.963	113	425	0.026	ug/ml#	16
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	7.470	168	158	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.	d	
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	7.716	149	2914	0.025	ug/mL	94
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.	d	
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	8.481	200	286	N.D.		
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	9.931	149	3764	0.021	ug/mL#	94
77) Benzidine	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311519.d
Acq On : 31 Dec 2015 8:32 pm
Operator : PAH16:JT
Sample : L1533592-07
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 04 16:43:29 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Butylbenzylphthalate	12.974	149	2759	0.035	ug/mL#	50
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.438	149	2028	N.D.		
86) Di-n-octylphthalate	16.012	149	186	N.D.		

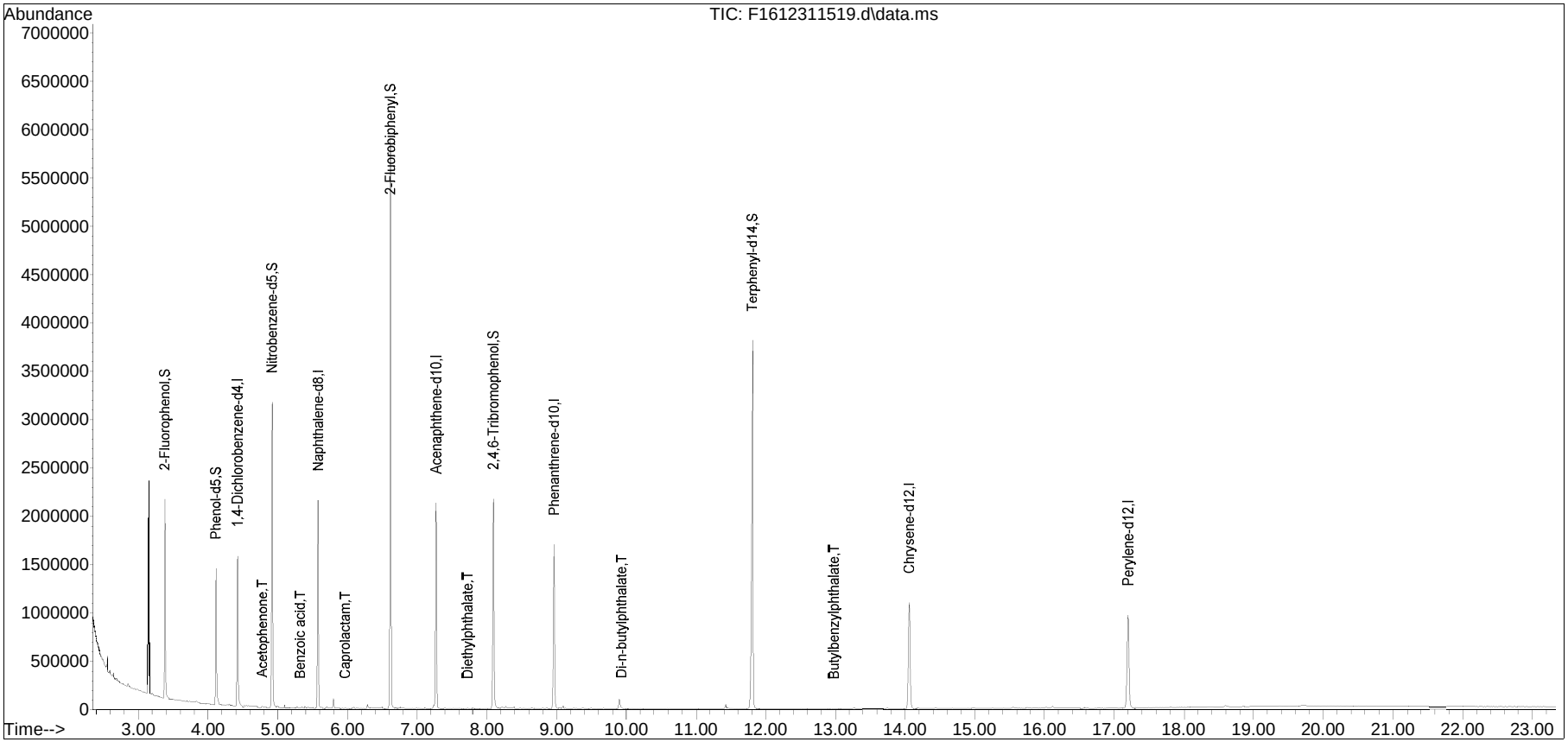
(#) = qualifier out of range (m) = manual integration (+) = signals summed

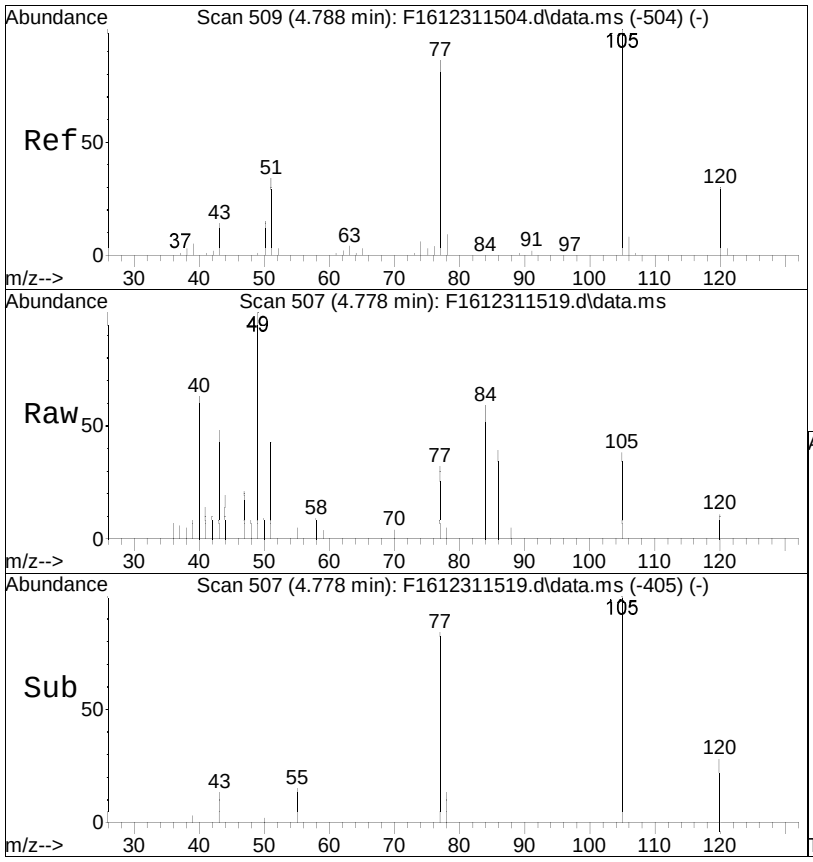
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311519.d
Acq On : 31 Dec 2015 8:32 pm
Operator : PAH16:JT
Sample : L1533592-07
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 04 16:43:29 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

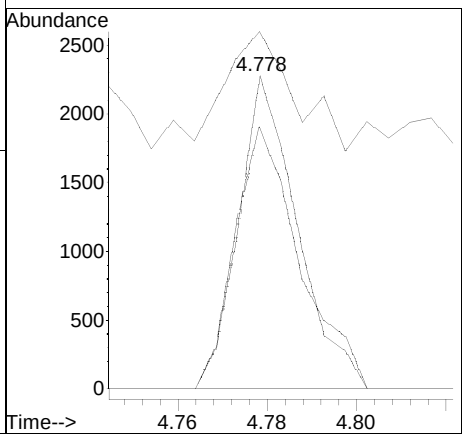


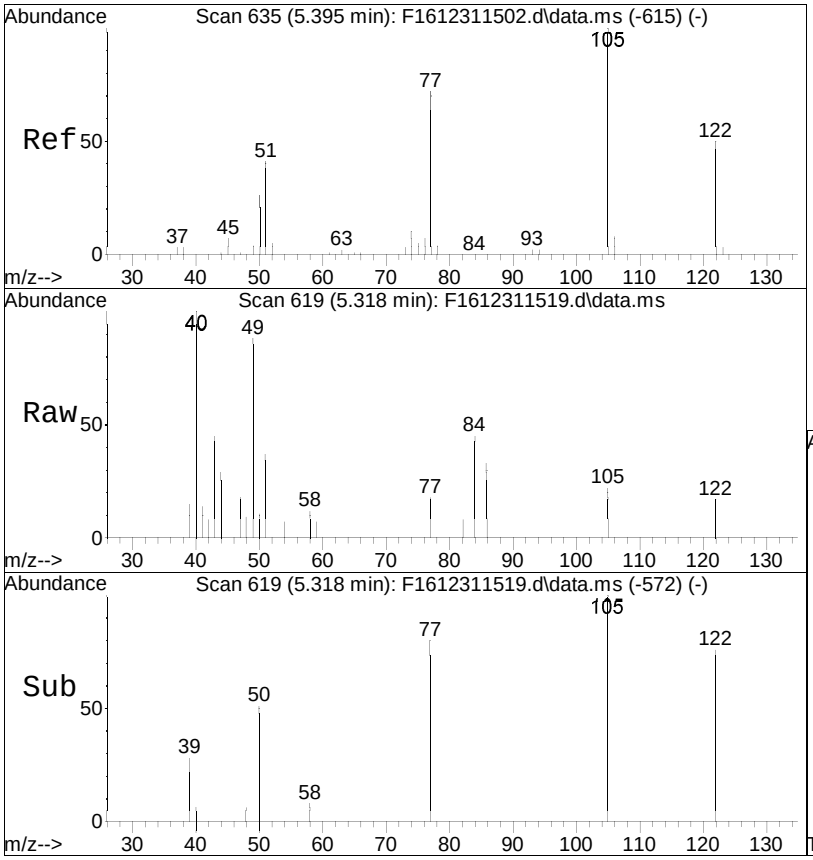


#17
Acetophenone
Concen: 0.03 ug/ml
RT: 4.778 min Scan# 507
Delta R.T. -0.010 min
Lab File: F1612311519.d
Acq: 31 Dec 2015 8:32 pm

Tgt Ion:105 Resp: 2059

Ion	Ratio	Lower	Upper
105	100		
77	92.8	68.6	103.0
51	49.3	29.0	43.4#

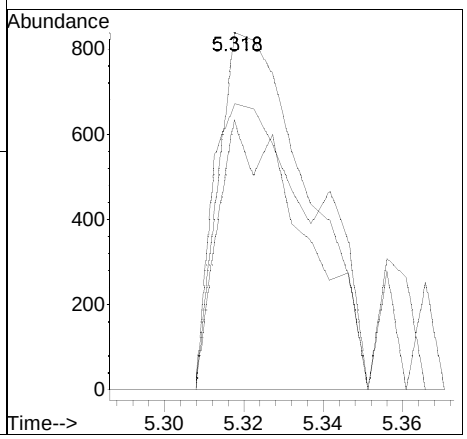


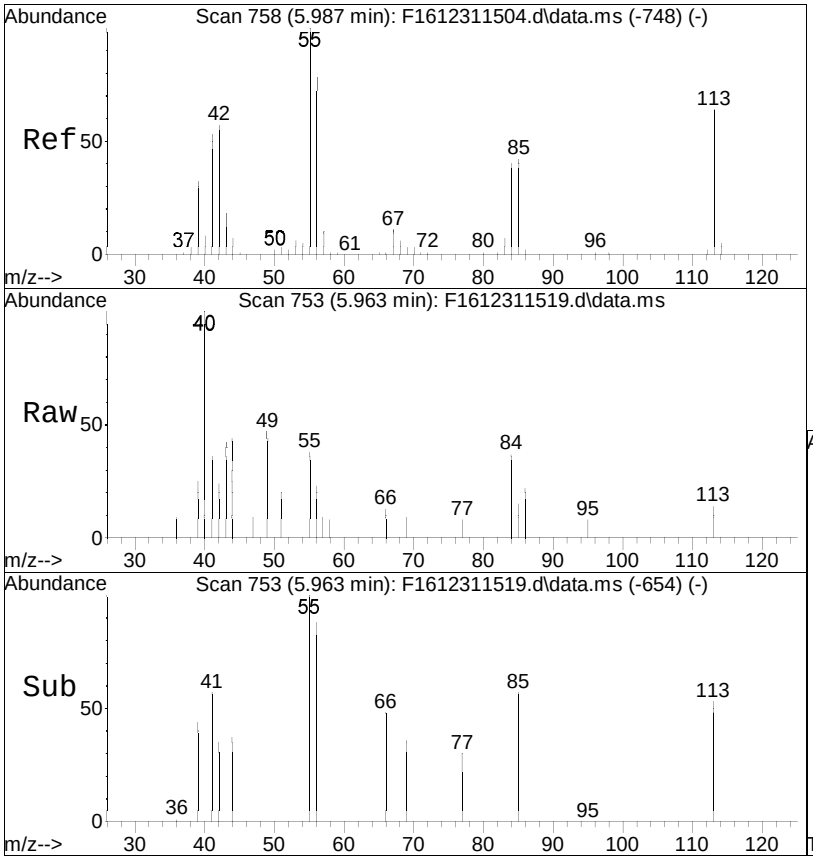


#27
Benzoic acid
Concen: 0.69 ug/mL
RT: 5.318 min Scan# 619
Delta R.T. -0.077 min
Lab File: F1612311519.d
Acq: 31 Dec 2015 8:32 pm

Tgt Ion:105 Resp: 1295

Ion	Ratio	Lower	Upper
105	100		
122	74.9	62.7	94.1
77	74.0	56.9	85.3

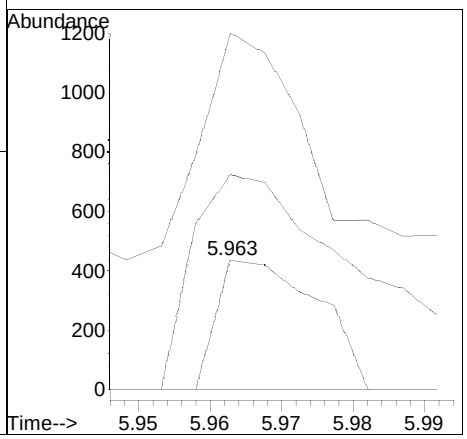


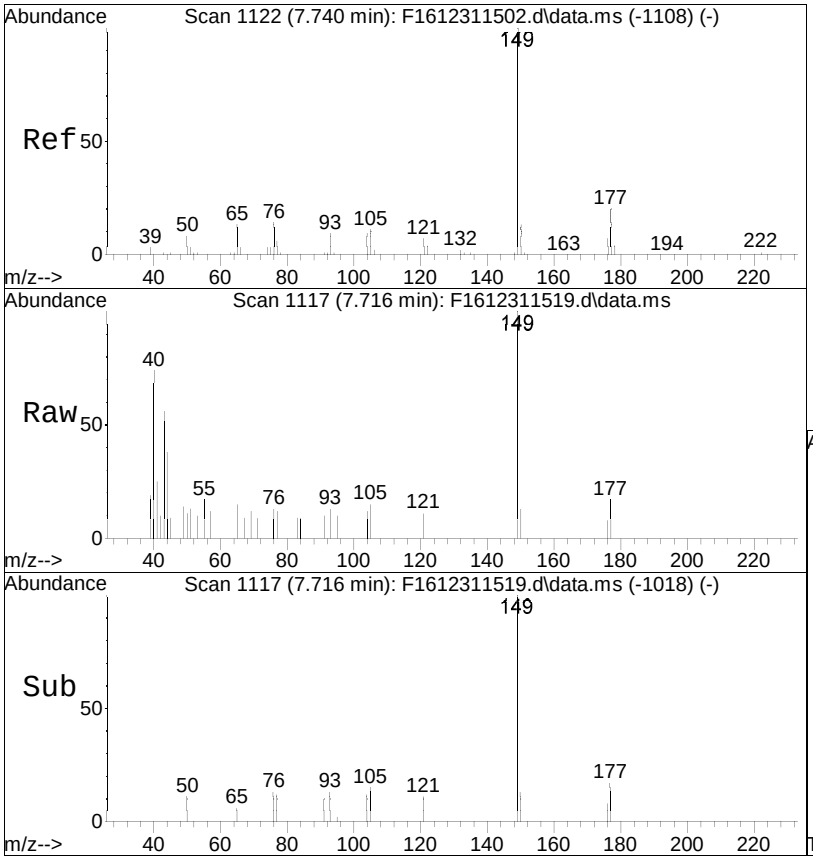


#35
Caprolactam
Concen: 0.03 ug/ml
RT: 5.963 min Scan# 753
Delta R.T. -0.024 min
Lab File: F1612311519.d
Acq: 31 Dec 2015 8:32 pm

Tgt Ion:113 Resp: 425

Ion	Ratio	Lower	Upper
113	100		
55	200.9	125.3	187.9#
56	286.6	96.2	144.2#

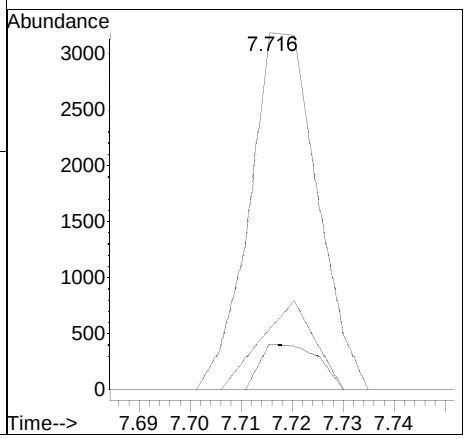


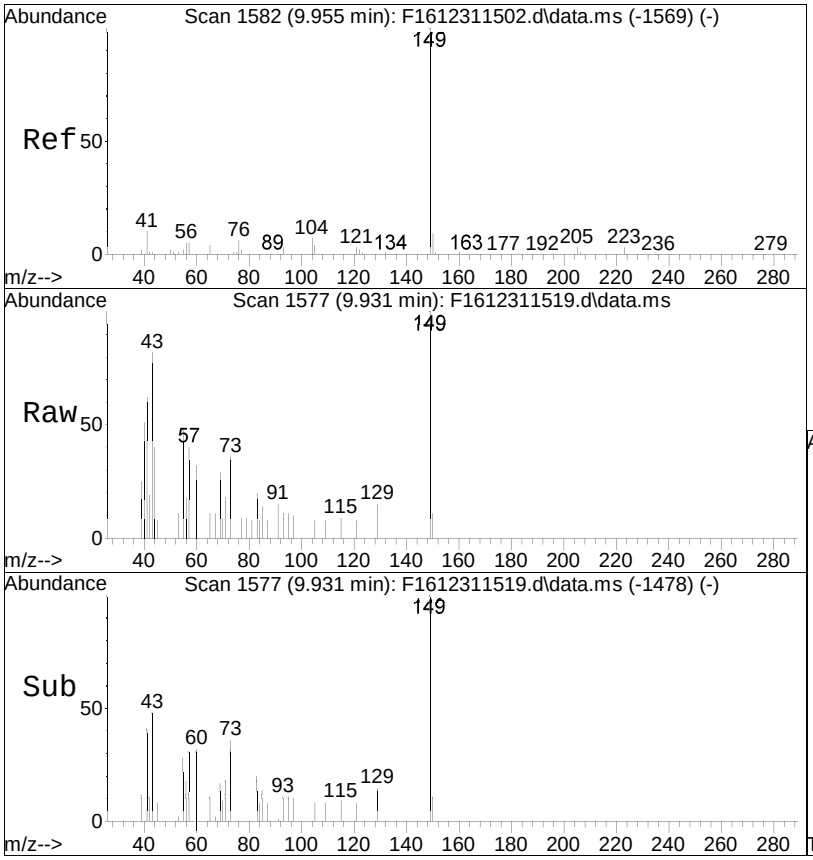


#59
Diethylphthalate
Concen: 0.03 ug/mL
RT: 7.716 min Scan# 1117
Delta R.T. -0.024 min
Lab File: F1612311519.d
Acq: 31 Dec 2015 8:32 pm

Tgt Ion:149 Resp: 2914

Ion	Ratio	Lower	Upper
149	100		
177	19.8	18.6	27.8
150	10.9	9.8	14.8

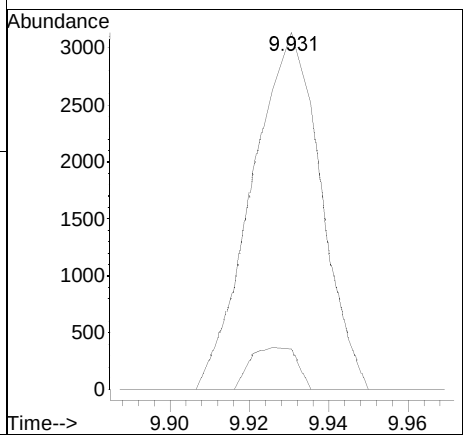


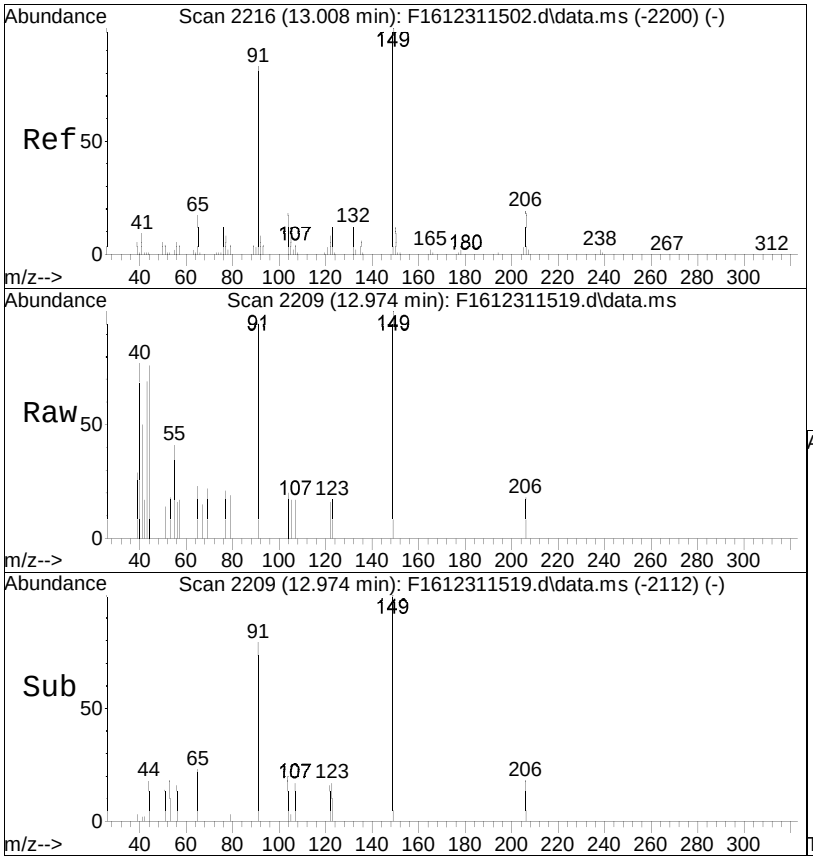


#74
Di-n-butylphthalate
Concen: 0.02 ug/mL
RT: 9.931 min Scan# 1577
Delta R.T. -0.024 min
Lab File: F1612311519.d
Acq: 31 Dec 2015 8:32 pm

Tgt Ion:149 Resp: 3764

Ion	Ratio	Lower	Upper
149	100		
150	8.0	7.0	10.4
104	0.0	3.9	5.9#

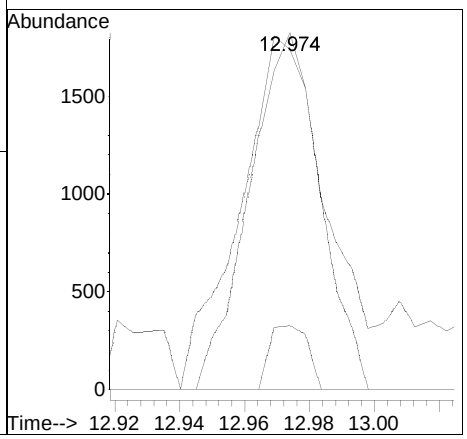




#80
Butylbenzylphthalate
Concen: 0.04 ug/mL
RT: 12.974 min Scan# 2209
Delta R.T. -0.034 min
Lab File: F1612311519.d
Acq: 31 Dec 2015 8:32 pm

Tgt Ion:149 Resp: 2759

Ion	Ratio	Lower	Upper
149	100		
91	120.4	57.8	86.6#
206	9.7	18.3	27.5#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311520.d
Acq On : 31 Dec 2015 9:01 pm
Operator : PAH16:JT
Sample : L1533592-09
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 04 16:44:31 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.422	152	212918	5.000	ug/mL	-0.01
21) Naphthalene-d8	5.578	136	834406	5.000	ug/mL	-0.01
38) Acenaphthene-d10	7.273	164	394807	5.000	ug/mL	-0.01
61) Phenanthrene-d10	8.968	188	721157	5.000	ug/mL	-0.02
76) Chrysene-d12	14.062	240	603076	5.000	ug/mL	-0.03
85) Perylene-d12	17.202	264	531124	5.000	ug/mL	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	3.382	112	386984	6.491	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 32.45%			
8) Phenol-d5	4.109	99	378298	4.705	ug/mL	-0.01
Spiked Amount 20.000	Range 10 - 94		Recovery = 23.53%			
22) Nitrobenzene-d5	4.918	82	987044	14.017	ug/mL	-0.01
Spiked Amount 20.000	Range 35 - 114		Recovery = 70.08%			
43) 2-Fluorobiphenyl	6.618	172	1540468	13.766	ug/mL	-0.01
Spiked Amount 20.000	Range 43 - 116		Recovery = 68.83%			
65) 2,4,6-Tribromophenol	8.096	330	120580	12.608	ug/mL	-0.02
Spiked Amount 20.000	Range 10 - 123		Recovery = 63.04%			
79) Terphenyl-d14	11.813	244	1670035	18.605	ug/mL	-0.02
Spiked Amount 20.000	Range 33 - 141		Recovery = 93.03%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.066	77	494	N.D.		
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D. d		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	4.547	108	264	N.D.		
15) bis(2-chloroisopropyl)eth	4.576	45	464	N.D.		
16) 2-Methylphenol	4.547	108	264	N.D.		
17) Acetophenone	4.778	105	2214	0.029	ug/ml	89
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311520.d
Acq On : 31 Dec 2015 9:01 pm
Operator : PAH16:JT
Sample : L1533592-09
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 04 16:44:31 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	5.968	113	439	0.026	ug/ml#	83
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	7.446	109	80	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	7.720	149	2689	0.023	ug/mL#	84
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.	d	
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	8.481	200	256	N.D.		
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	9.931	149	4930	0.027	ug/mL#	93
77) Benzidine	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311520.d
Acq On : 31 Dec 2015 9:01 pm
Operator : PAH16:JT
Sample : L1533592-09
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 04 16:44:31 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Butylbenzylphthalate	12.974	149	2881	0.036	ug/mL#	55
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.433	149	2157	0.021	ug/mL#	69
86) Di-n-octylphthalate	15.998	149	149	N.D.		

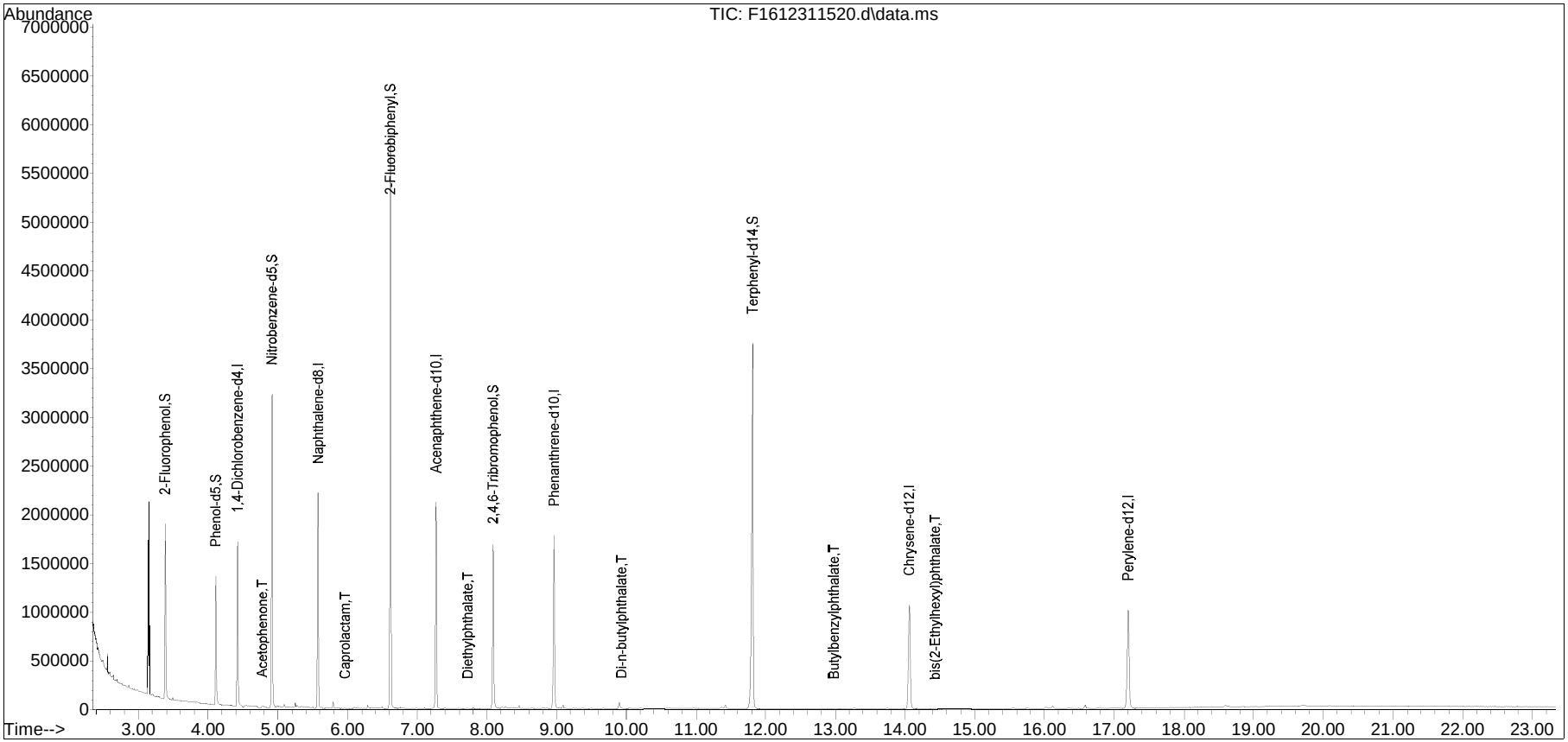
(#) = qualifier out of range (m) = manual integration (+) = signals summed

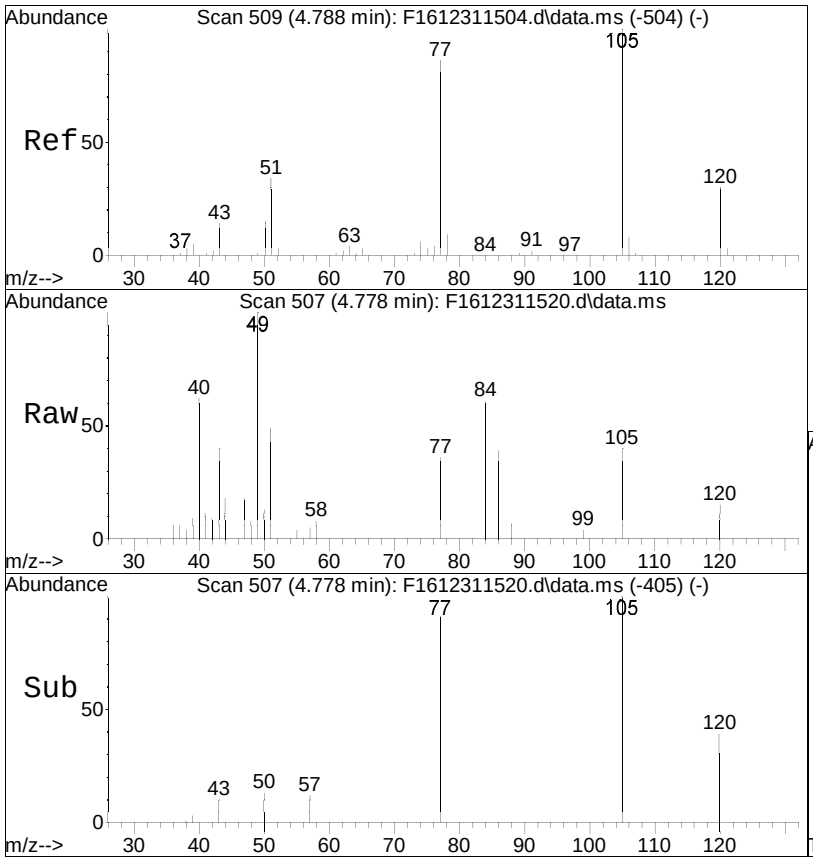
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311520.d
Acq On : 31 Dec 2015 9:01 pm
Operator : PAH16:JT
Sample : L1533592-09
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 04 16:44:31 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

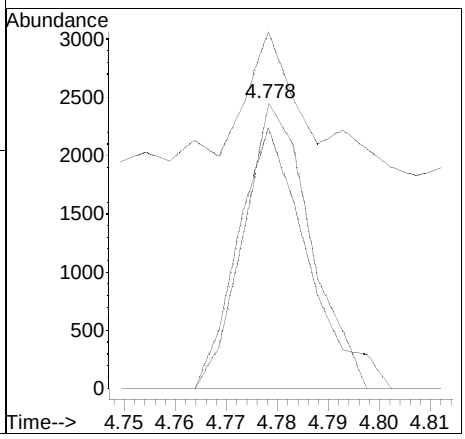


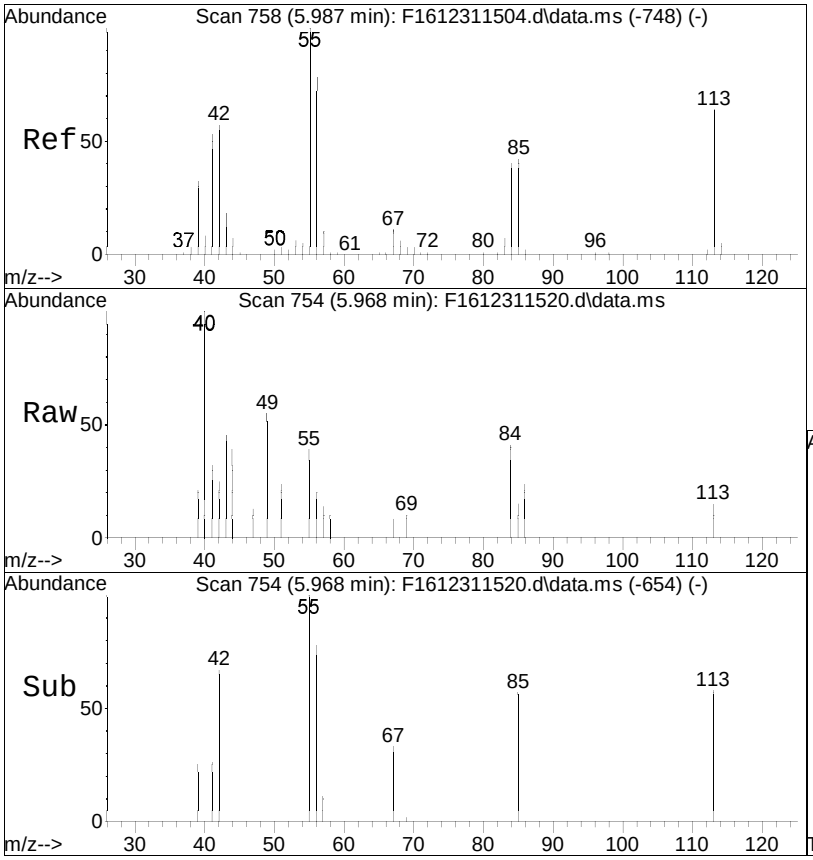


#17
Acetophenone
Concen: 0.03 ug/ml
RT: 4.778 min Scan# 507
Delta R.T. -0.010 min
Lab File: F1612311520.d
Acq: 31 Dec 2015 9:01 pm

Tgt Ion:105 Resp: 2214

Ion	Ratio	Lower	Upper
105	100		
77	95.5	68.6	103.0
51	29.1	29.0	43.4

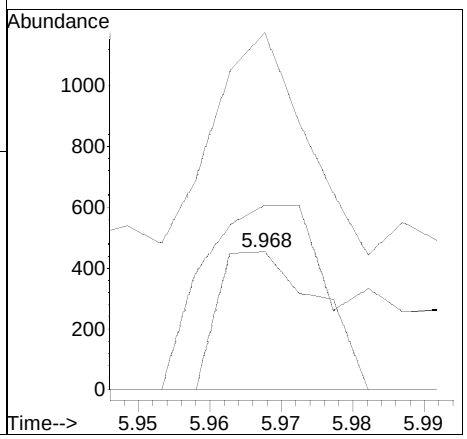


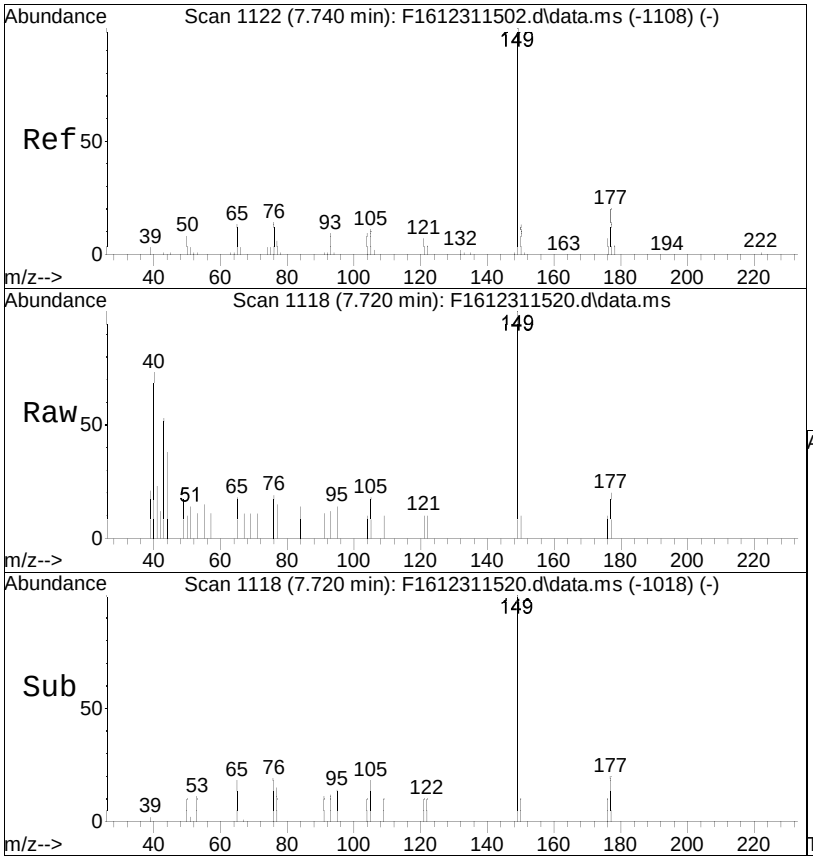


#35
Caprolactam
Concen: 0.03 ug/ml
RT: 5.968 min Scan# 754
Delta R.T. -0.019 min
Lab File: F1612311520.d
Acq: 31 Dec 2015 9:01 pm

Tgt Ion:113 Resp: 439

Ion	Ratio	Lower	Upper
113	100		
55	161.7	125.3	187.9
56	158.3	96.2	144.2#

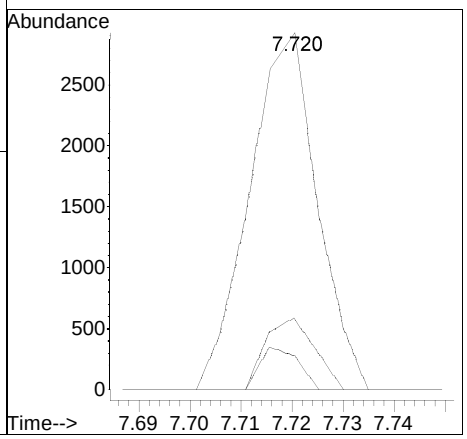


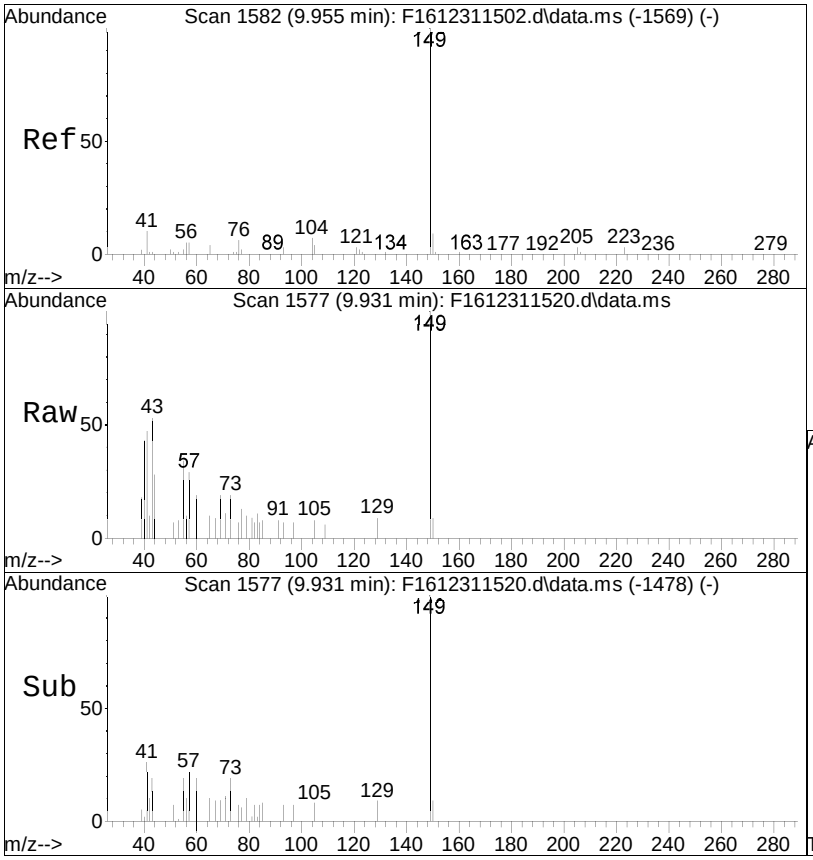


#59
Diethylphthalate
Concen: 0.02 ug/mL
RT: 7.720 min Scan# 1118
Delta R.T. -0.019 min
Lab File: F1612311520.d
Acq: 31 Dec 2015 9:01 pm

Tgt Ion:149 Resp: 2689

Ion	Ratio	Lower	Upper
149	100		
177	14.5	18.6	27.8#
150	6.8	9.8	14.8#

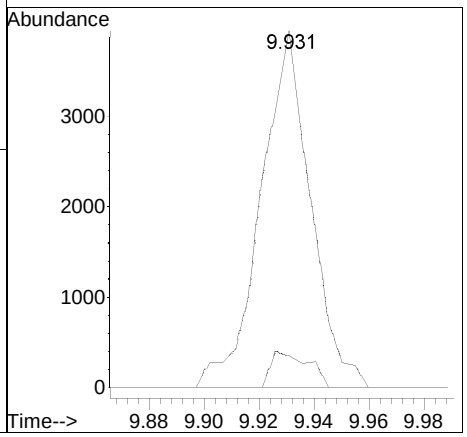


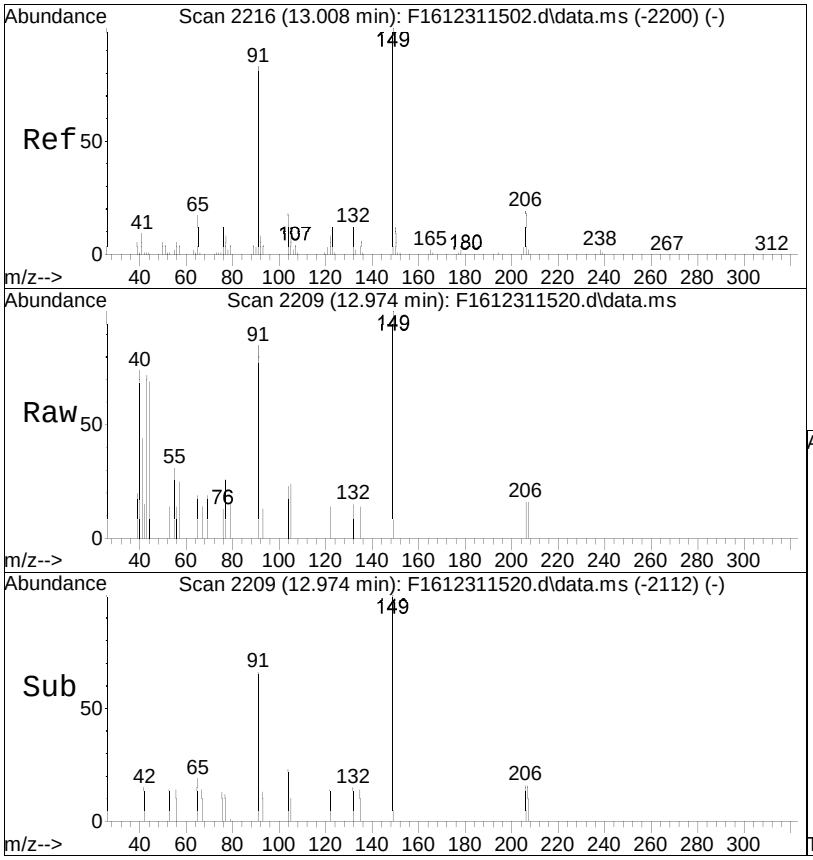


#74
Di-n-butylphthalate
Concen: 0.03 ug/mL
RT: 9.931 min Scan# 1577
Delta R.T. -0.024 min
Lab File: F1612311520.d
Acq: 31 Dec 2015 9:01 pm

Tgt Ion:149 Resp: 4930

Ion	Ratio	Lower	Upper
149	100		
150	7.7	7.0	10.4
104	0.0	3.9	5.9#

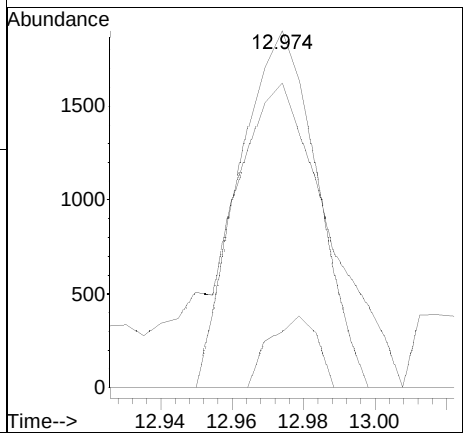


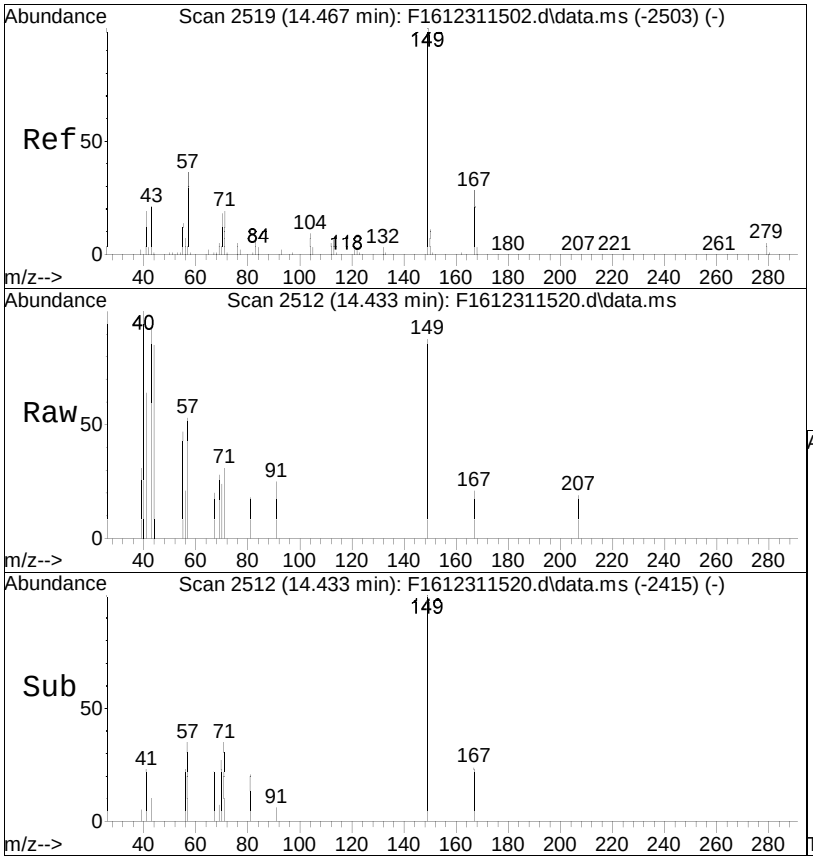


#80
Butylbenzylphthalate
Concen: 0.04 ug/mL
RT: 12.974 min Scan# 2209
Delta R.T. -0.034 min
Lab File: F1612311520.d
Acq: 31 Dec 2015 9:01 pm

Tgt Ion:149 Resp: 2881

Ion	Ratio	Lower	Upper
149	100		
91	115.6	57.8	86.6#
206	12.2	18.3	27.5#

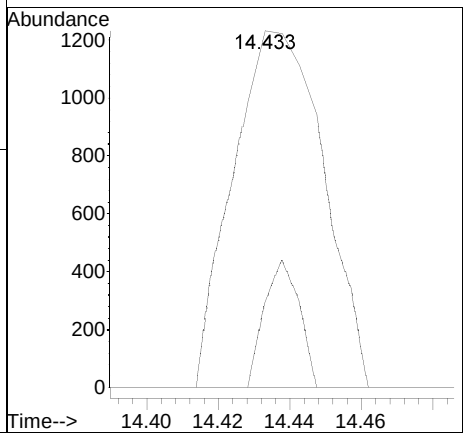




#84
bis(2-Ethylhexyl)phthalate
Concen: 0.02 ug/mL
RT: 14.433 min Scan# 2512
Delta R.T. -0.034 min
Lab File: F1612311520.d
Acq: 31 Dec 2015 9:01 pm

Tgt Ion:149 Resp: 2157

Ion	Ratio	Lower	Upper
149	100		
167	13.9	26.2	39.4#
279	0.0	5.2	7.8#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311521.d
Acq On : 31 Dec 2015 9:30 pm
Operator : PAH16:JT
Sample : L1533592-10
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jan 04 16:45:29 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.422	152	204423	5.000	ug/mL	-0.01
21) Naphthalene-d8	5.578	136	807965	5.000	ug/mL	-0.01
38) Acenaphthene-d10	7.273	164	383940	5.000	ug/mL	-0.01
61) Phenanthrene-d10	8.968	188	692884	5.000	ug/mL	-0.02
76) Chrysene-d12	14.062	240	578375	5.000	ug/mL	-0.03
85) Perylene-d12	17.202	264	511279	5.000	ug/mL	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	3.382	112	367156	6.414	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 32.07%			
8) Phenol-d5	4.109	99	353934	4.585	ug/mL	-0.01
Spiked Amount 20.000	Range 10 - 94		Recovery = 22.93%			
22) Nitrobenzene-d5	4.918	82	936794	13.739	ug/mL	-0.01
Spiked Amount 20.000	Range 35 - 114		Recovery = 68.70%			
43) 2-Fluorobiphenyl	6.618	172	1495383	13.742	ug/mL	-0.01
Spiked Amount 20.000	Range 43 - 116		Recovery = 68.71%			
65) 2,4,6-Tribromophenol	8.096	330	123472	13.437	ug/mL	-0.02
Spiked Amount 20.000	Range 10 - 123		Recovery = 67.18%			
79) Terphenyl-d14	11.809	244	1650805	19.176	ug/mL	-0.02
Spiked Amount 20.000	Range 33 - 141		Recovery = 95.88%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.414	74	72	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.066	77	507	N.D.		
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	4.109	63	948	N.D.		
9) Phenol	4.119	94	168	N.D.		
10) 2-Chlorophenol	4.244	128	161	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	4.547	108	314	N.D.		
15) bis(2-chloroisopropyl)eth	4.586	45	75	N.D.		
16) 2-Methylphenol	4.547	108	314	N.D.		
17) Acetophenone	4.783	105	2020	0.028	ug/ml#	73
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311521.d
Acq On : 31 Dec 2015 9:30 pm
Operator : PAH16:JT
Sample : L1533592-10
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jan 04 16:45:29 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	5.963	113	466	0.028	ug/ml#	24
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	7.518	109	322	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	7.720	149	3566	0.031	ug/mL#	91
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.	d	
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	9.931	149	4491	0.025	ug/mL#	92
77) Benzidine	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311521.d
Acq On : 31 Dec 2015 9:30 pm
Operator : PAH16:JT
Sample : L1533592-10
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jan 04 16:45:29 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Butylbenzylphthalate	12.969	149	6746	0.088	ug/mL#	85
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.438	149	1778	N.D.		
86) Di-n-octylphthalate	15.983	149	96	N.D.		

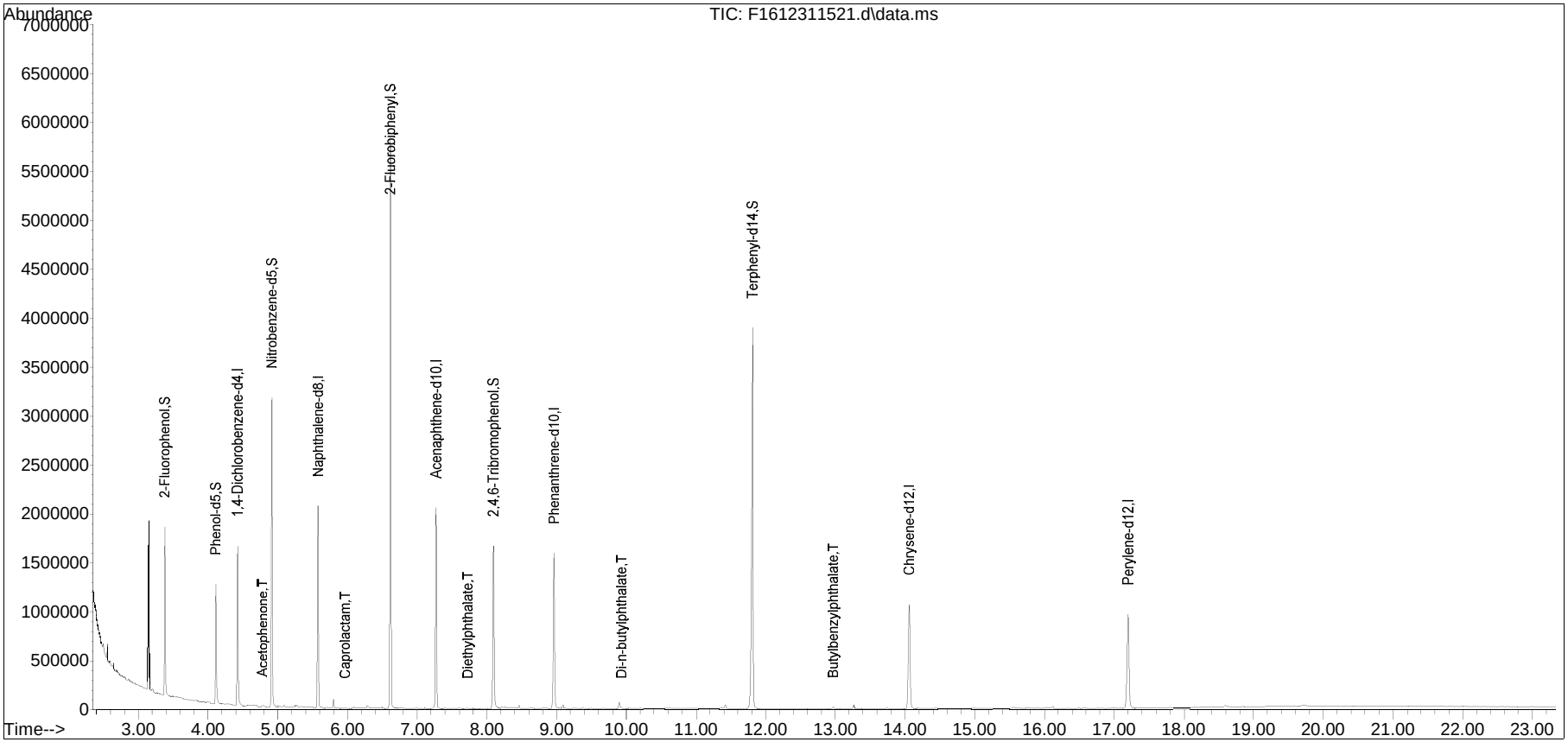
(#) = qualifier out of range (m) = manual integration (+) = signals summed

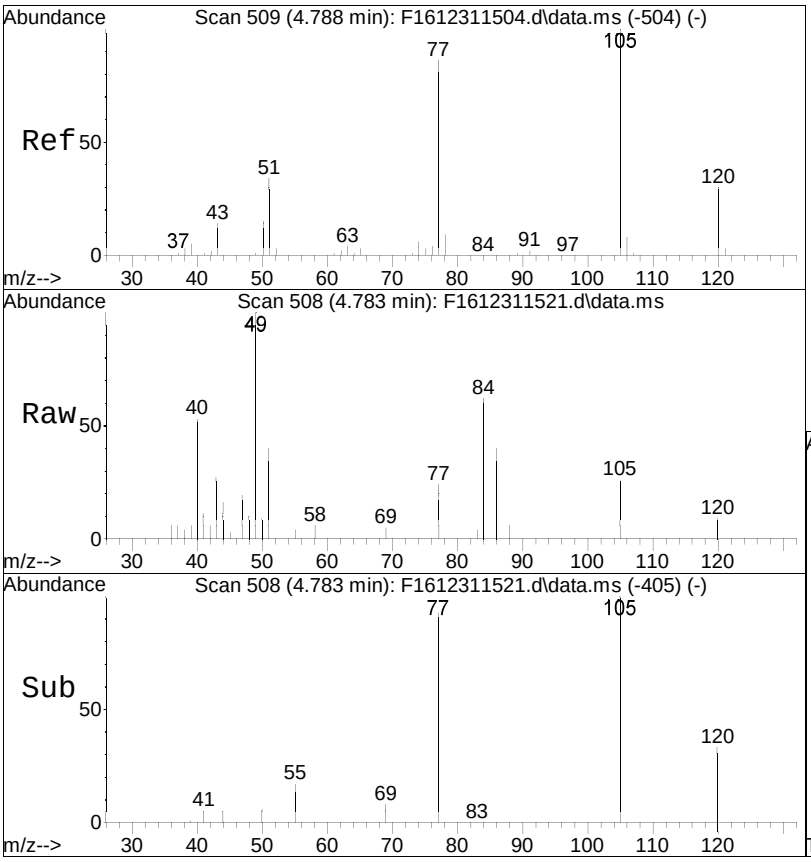
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311521.d
Acq On : 31 Dec 2015 9:30 pm
Operator : PAH16:JT
Sample : L1533592-10
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jan 04 16:45:29 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

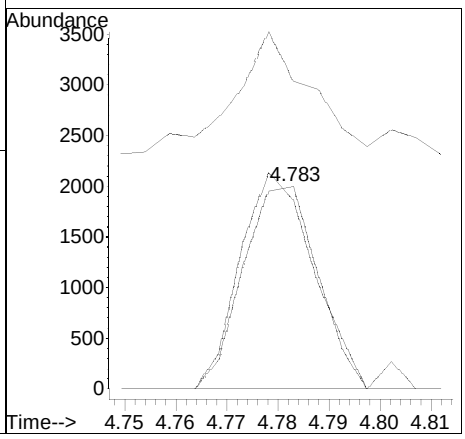


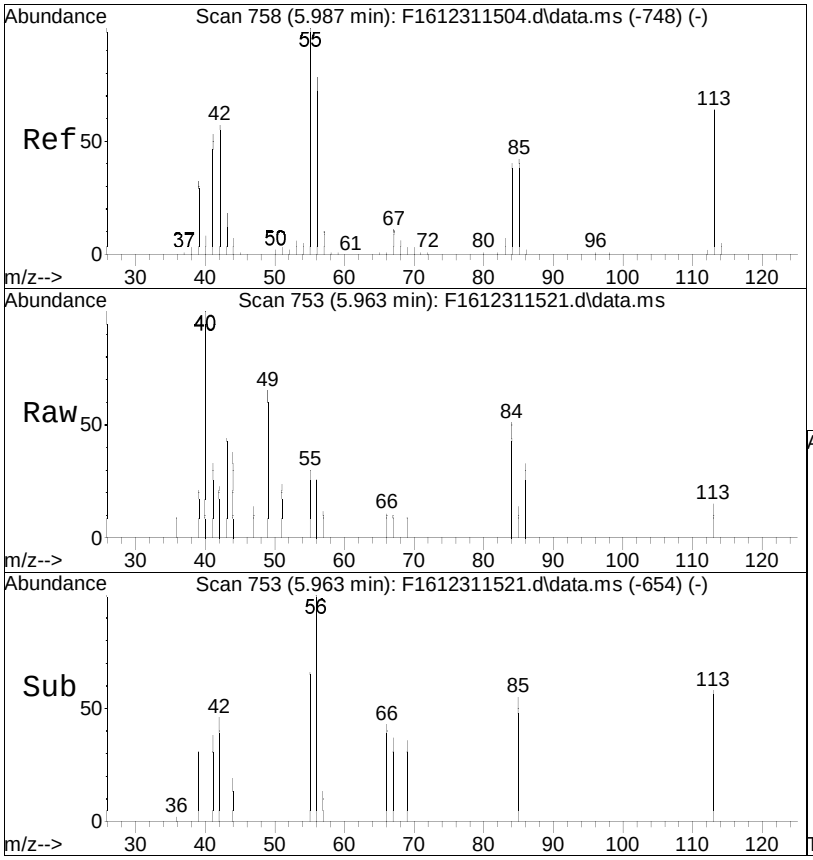


#17
Acetophenone
Concen: 0.03 ug/ml
RT: 4.783 min Scan# 508
Delta R.T. -0.005 min
Lab File: F1612311521.d
Acq: 31 Dec 2015 9:30 pm

Tgt Ion:105 Resp: 2020

Ion	Ratio	Lower	Upper
105	100		
77	105.0	68.6	103.0#
51	61.0	29.0	43.4#

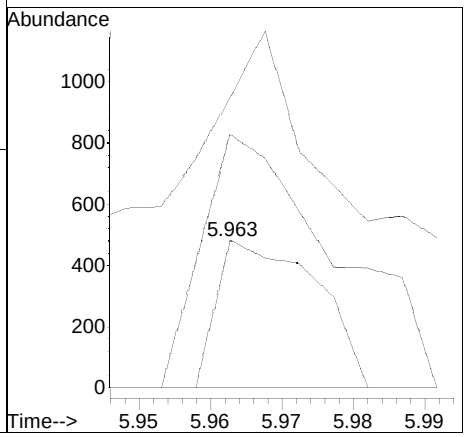


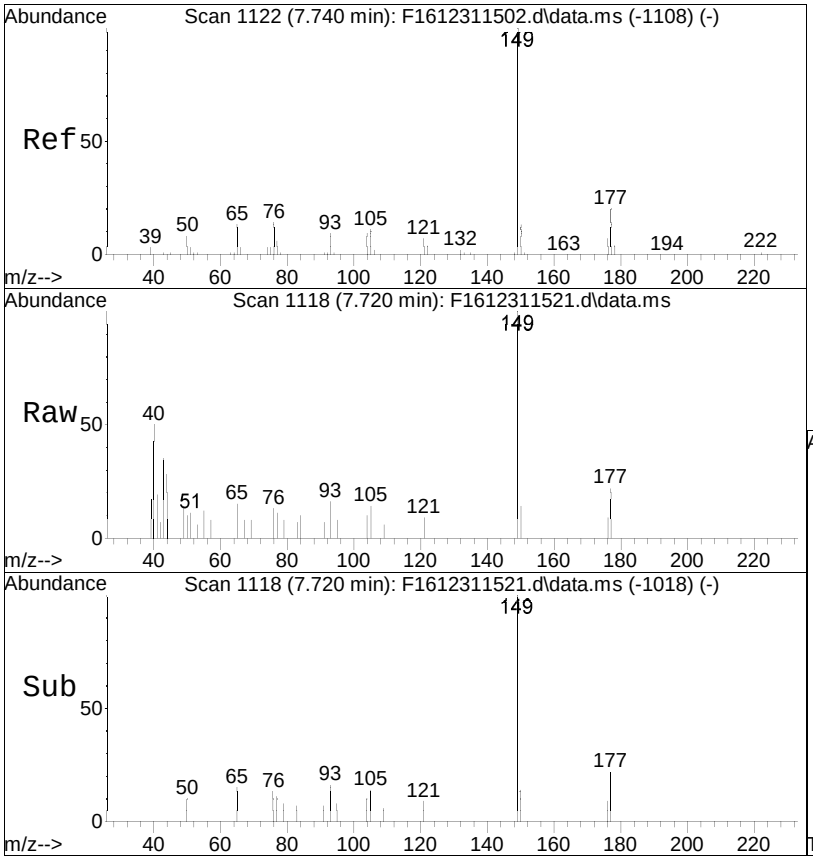


#35
Caprolactam
Concen: 0.03 ug/ml
RT: 5.963 min Scan# 753
Delta R.T. -0.024 min
Lab File: F1612311521.d
Acq: 31 Dec 2015 9:30 pm

Tgt Ion:113 Resp: 466

Ion	Ratio	Lower	Upper
113	100		
55	251.5	125.3	187.9#
56	208.2	96.2	144.2#

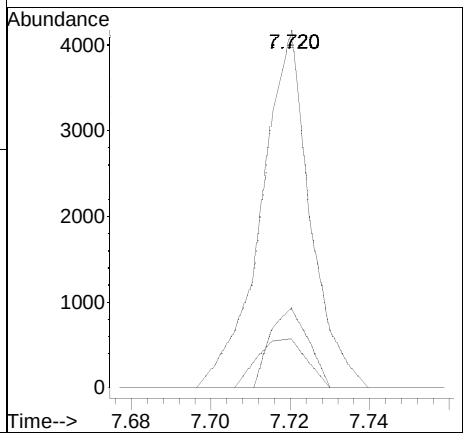


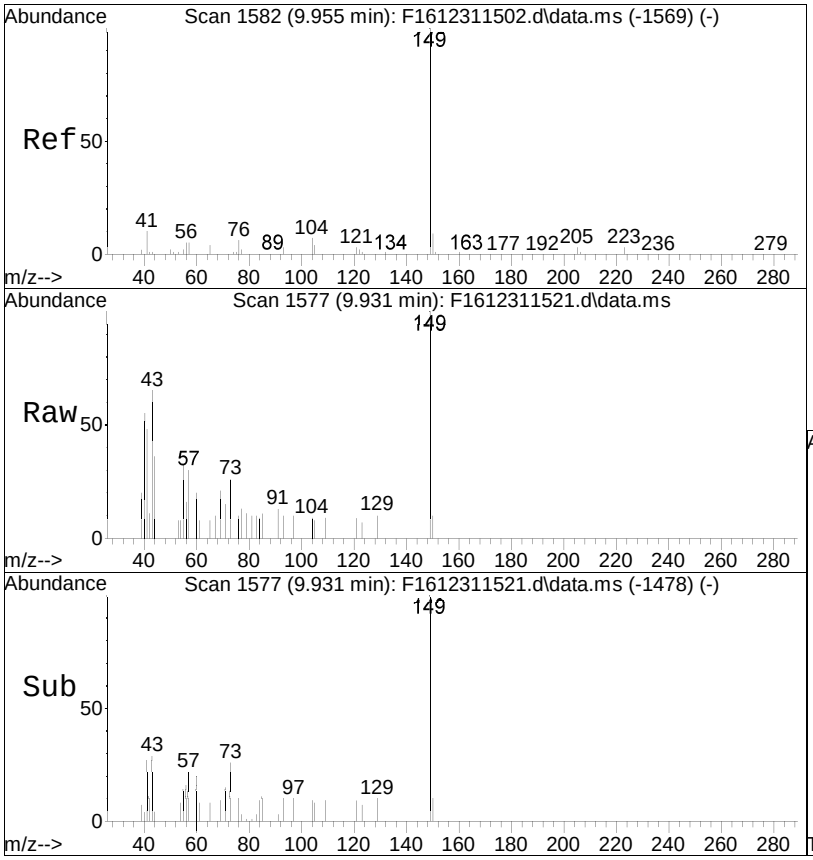


#59
Diethylphthalate
Concen: 0.03 ug/mL
RT: 7.720 min Scan# 1118
Delta R.T. -0.019 min
Lab File: F1612311521.d
Acq: 31 Dec 2015 9:30 pm

Tgt Ion:149 Resp: 3566

Ion	Ratio	Lower	Upper
149	100		
177	17.4	18.6	27.8#
150	13.6	9.8	14.8

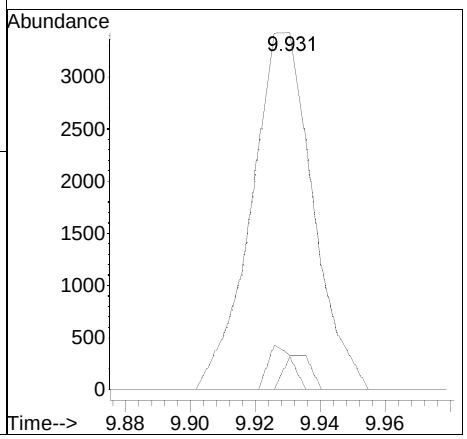


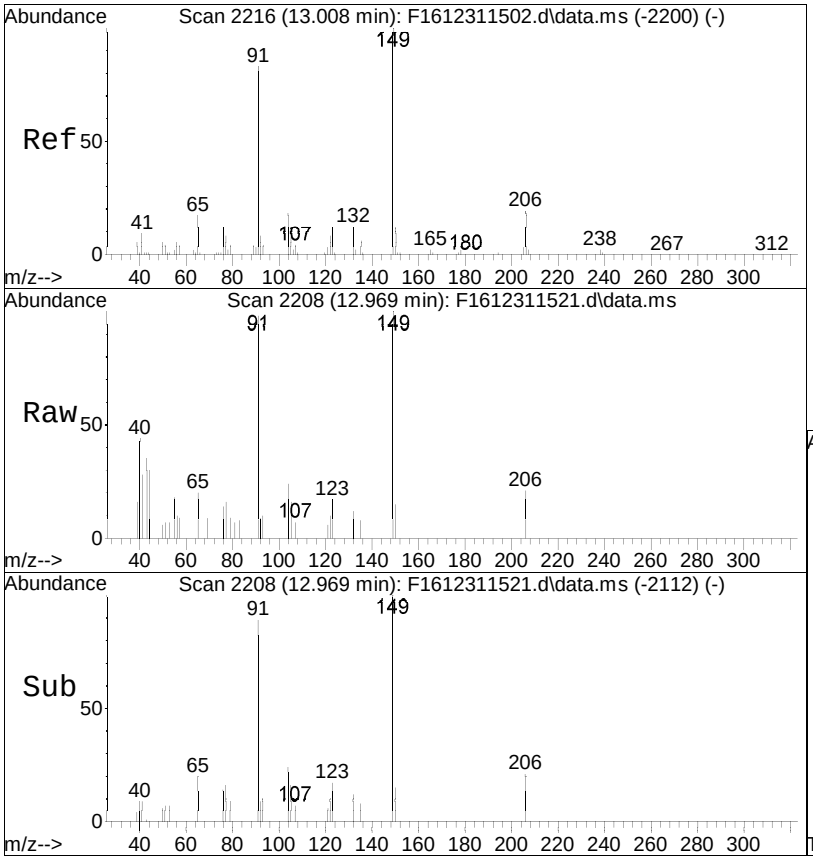


#74
Di-n-butylphthalate
Concen: 0.03 ug/mL
RT: 9.931 min Scan# 1577
Delta R.T. -0.024 min
Lab File: F1612311521.d
Acq: 31 Dec 2015 9:30 pm

Tgt Ion:149 Resp: 4491

Ion	Ratio	Lower	Upper
149	100		
150	7.1	7.0	10.4
104	0.0	3.9	5.9#

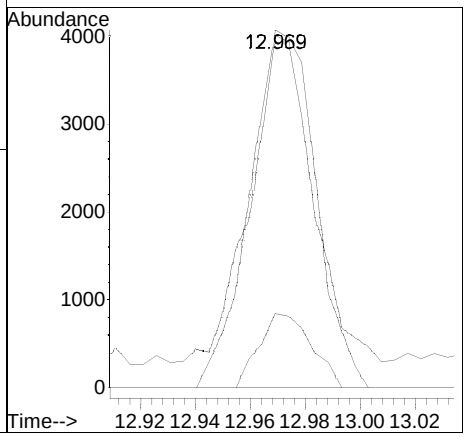




#80
Butylbenzylphthalate
Concen: 0.09 ug/mL
RT: 12.969 min Scan# 2208
Delta R.T. -0.039 min
Lab File: F1612311521.d
Acq: 31 Dec 2015 9:30 pm

Tgt Ion:149 Resp: 6746

Ion	Ratio	Lower	Upper
149	100		
91	85.7	57.8	86.6
206	16.5	18.3	27.5#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311522.d
Acq On : 31 Dec 2015 9:59 pm
Operator : PAH16:JT
Sample : L1533592-11
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jan 04 16:46:29 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.417	152	206501	5.000	ug/mL	-0.01
21) Naphthalene-d8	5.578	136	824250	5.000	ug/mL	-0.01
38) Acenaphthene-d10	7.273	164	389175	5.000	ug/mL	-0.01
61) Phenanthrene-d10	8.968	188	709722	5.000	ug/mL	-0.02
76) Chrysene-d12	14.062	240	598788	5.000	ug/mL	-0.03
85) Perylene-d12	17.202	264	519071	5.000	ug/mL	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	3.382	112	368870	6.379	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 31.89%			
8) Phenol-d5	4.109	99	366792	4.704	ug/mL	-0.01
Spiked Amount 20.000	Range 10 - 94		Recovery = 23.52%			
22) Nitrobenzene-d5	4.918	82	925285	13.302	ug/mL	-0.01
Spiked Amount 20.000	Range 35 - 114		Recovery = 66.51%			
43) 2-Fluorobiphenyl	6.618	172	1457144	13.210	ug/mL	-0.01
Spiked Amount 20.000	Range 43 - 116		Recovery = 66.05%			
65) 2,4,6-Tribromophenol	8.096	330	117093	12.441	ug/mL	-0.02
Spiked Amount 20.000	Range 10 - 123		Recovery = 62.20%			
79) Terphenyl-d14	11.809	244	1666657	18.700	ug/mL	-0.02
Spiked Amount 20.000	Range 33 - 141		Recovery = 93.50%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.496	74	159	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.061	77	524	N.D.		
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		d
9) Phenol	4.123	94	166	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	4.547	108	181	N.D.		
15) bis(2-chloroisopropyl)eth	4.581	45	85	N.D.		
16) 2-Methylphenol	4.547	108	181	N.D.		
17) Acetophenone	4.778	105	2987	0.041	ug/ml#	89
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311522.d
Acq On : 31 Dec 2015 9:59 pm
Operator : PAH16:JT
Sample : L1533592-11
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jan 04 16:46:29 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	5.968	113	546	0.032	ug/ml#	53
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	7.518	109	241	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	7.716	149	2533	0.022	ug/mL#	90
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.	d	
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	9.931	149	4220	0.023	ug/mL#	91
77) Benzidine	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311522.d
Acq On : 31 Dec 2015 9:59 pm
Operator : PAH16:JT
Sample : L1533592-11
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jan 04 16:46:29 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Butylbenzylphthalate	12.974	149	2952	0.037	ug/mL#	42
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.433	149	2588	0.025	ug/mL#	83
86) Di-n-octylphthalate	15.979	149	88	N.D.		

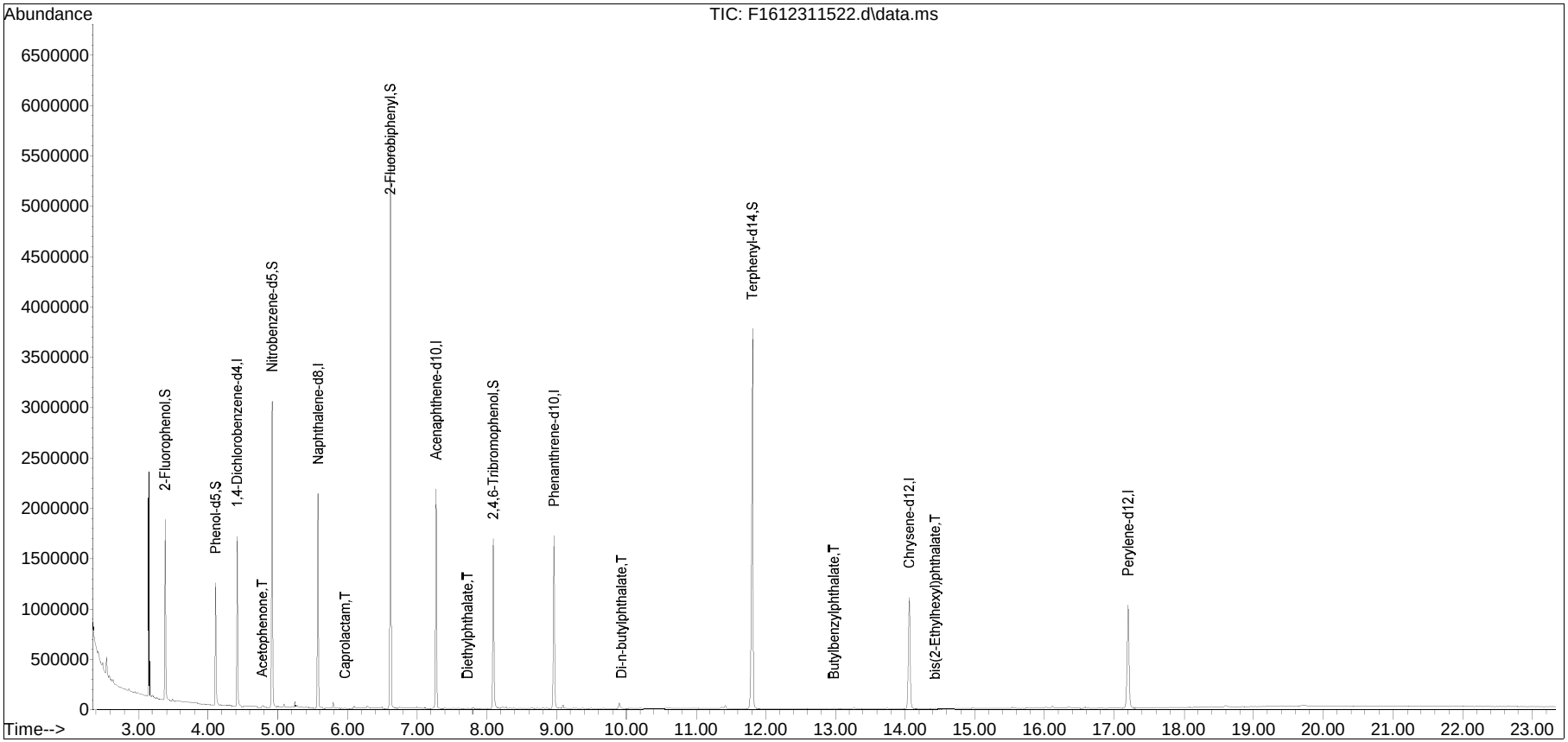
(#) = qualifier out of range (m) = manual integration (+) = signals summed

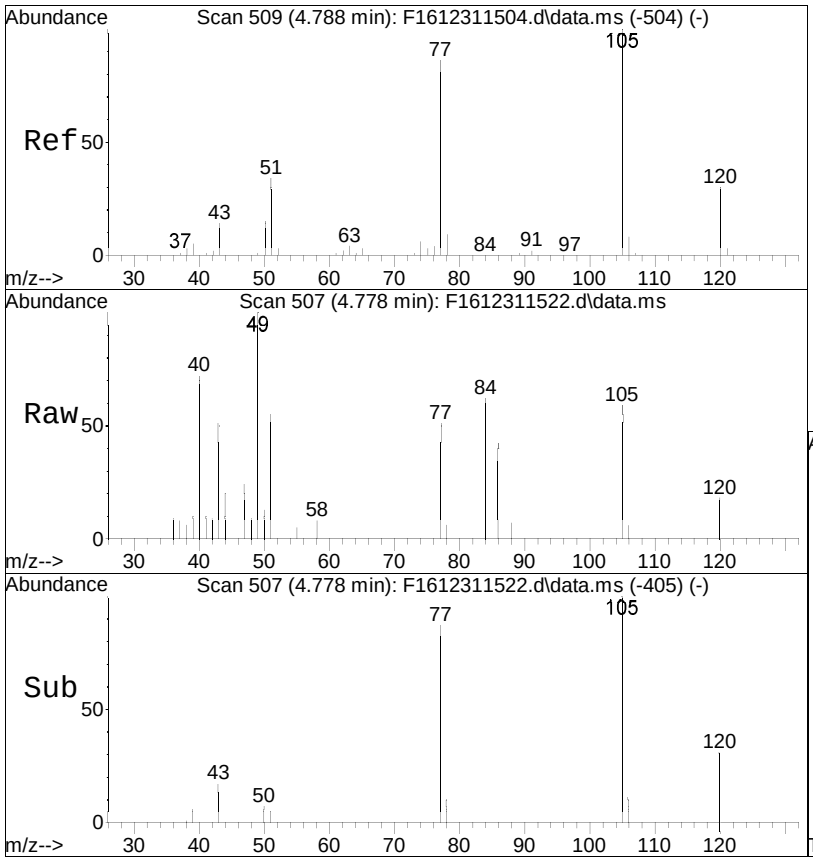
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311522.d
Acq On : 31 Dec 2015 9:59 pm
Operator : PAH16:JT
Sample : L1533592-11
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jan 04 16:46:29 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

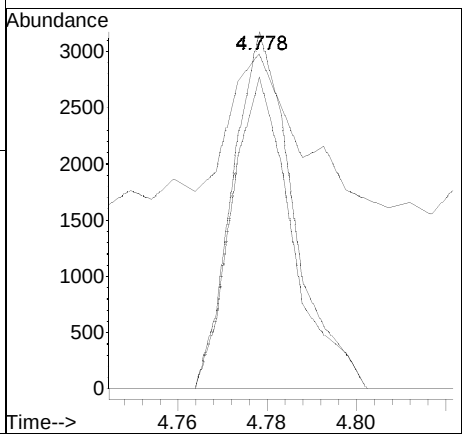


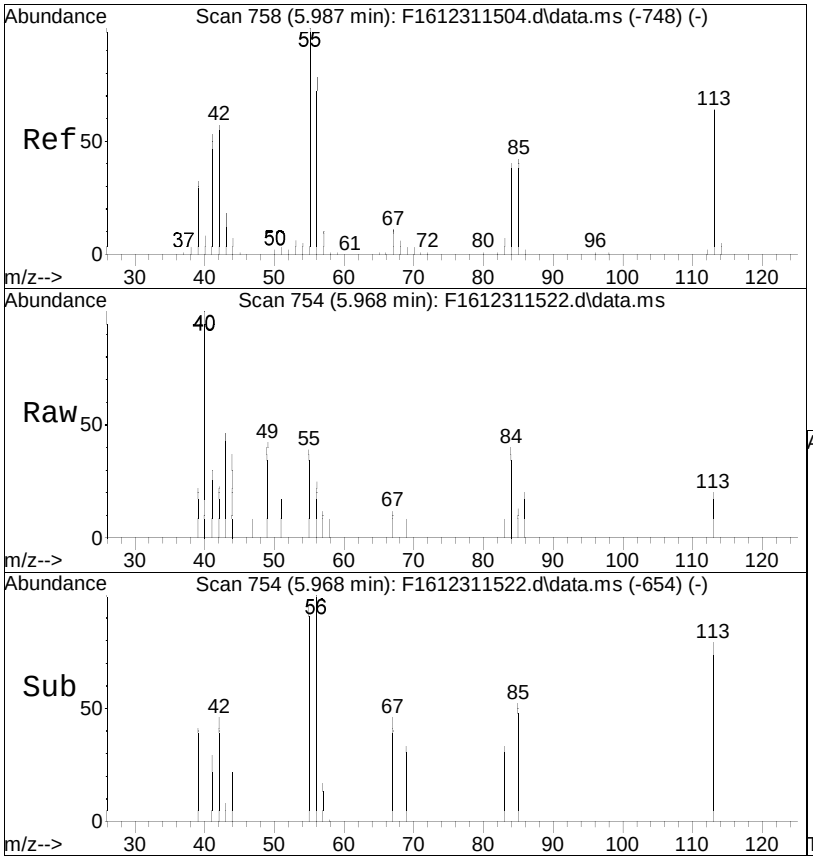


#17
Acetophenone
Concen: 0.04 ug/ml
RT: 4.778 min Scan# 507
Delta R.T. -0.010 min
Lab File: F1612311522.d
Acq: 31 Dec 2015 9:59 pm

Tgt Ion:105 Resp: 2987

Ion	Ratio	Lower	Upper
105	100		
77	86.8	68.6	103.0
51	56.7	29.0	43.4#

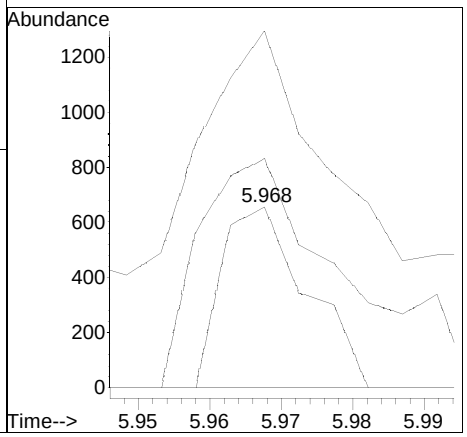


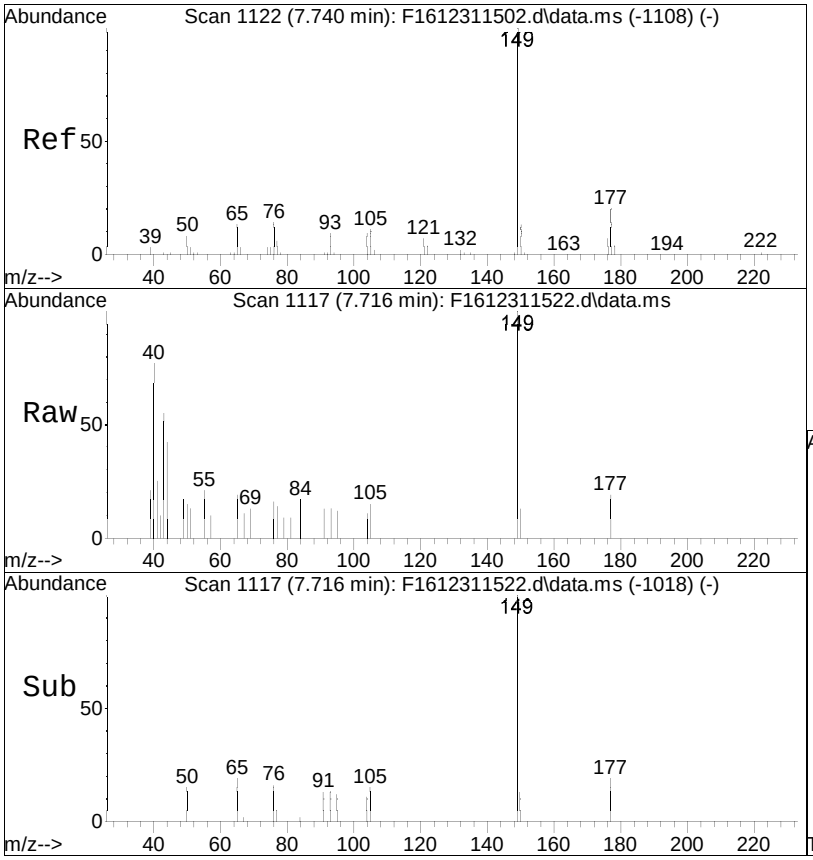


#35
Caprolactam
Concen: 0.03 ug/ml
RT: 5.968 min Scan# 754
Delta R.T. -0.019 min
Lab File: F1612311522.d
Acq: 31 Dec 2015 9:59 pm

Tgt Ion:113 Resp: 546

Ion	Ratio	Lower	Upper
113	100		
55	197.4	125.3	187.9#
56	196.3	96.2	144.2#

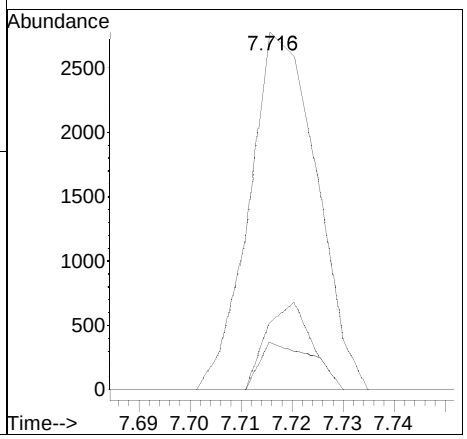


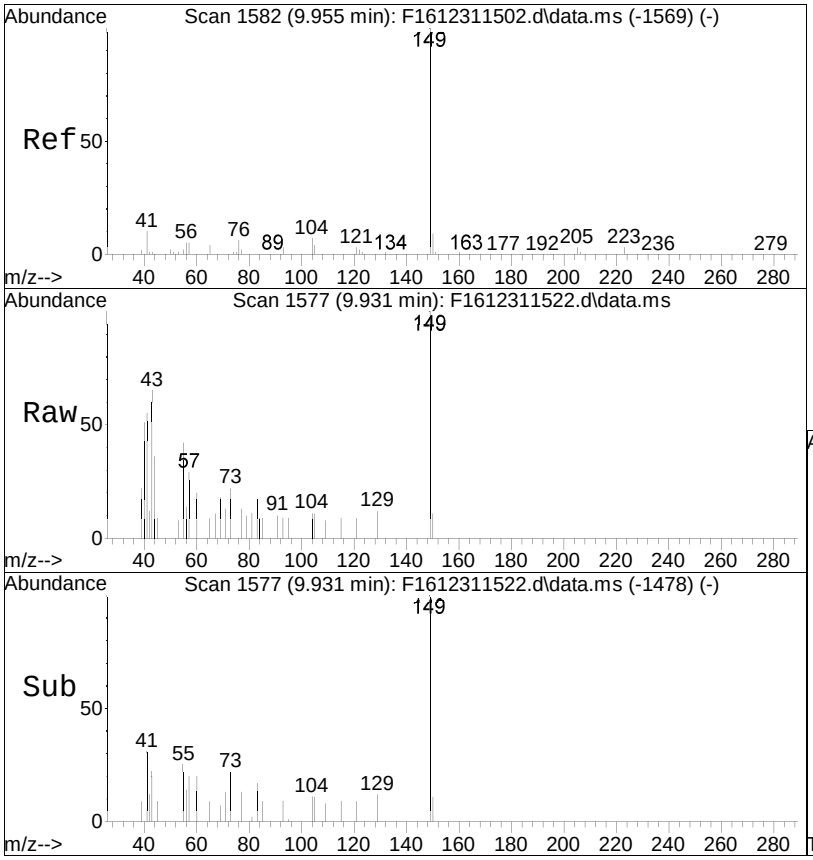


#59
Diethylphthalate
Concen: 0.02 ug/mL
RT: 7.716 min Scan# 1117
Delta R.T. -0.024 min
Lab File: F1612311522.d
Acq: 31 Dec 2015 9:59 pm

Tgt Ion:149 Resp: 2533

Ion	Ratio	Lower	Upper
149	100		
177	16.6	18.6	27.8#
150	10.6	9.8	14.8

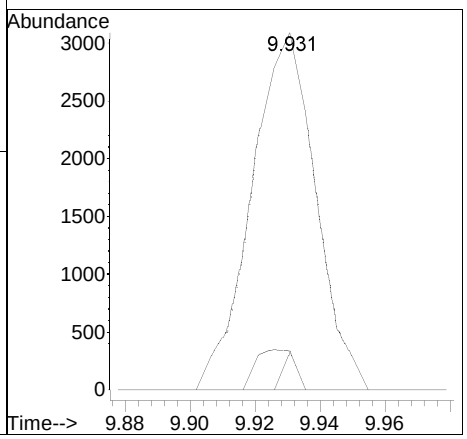


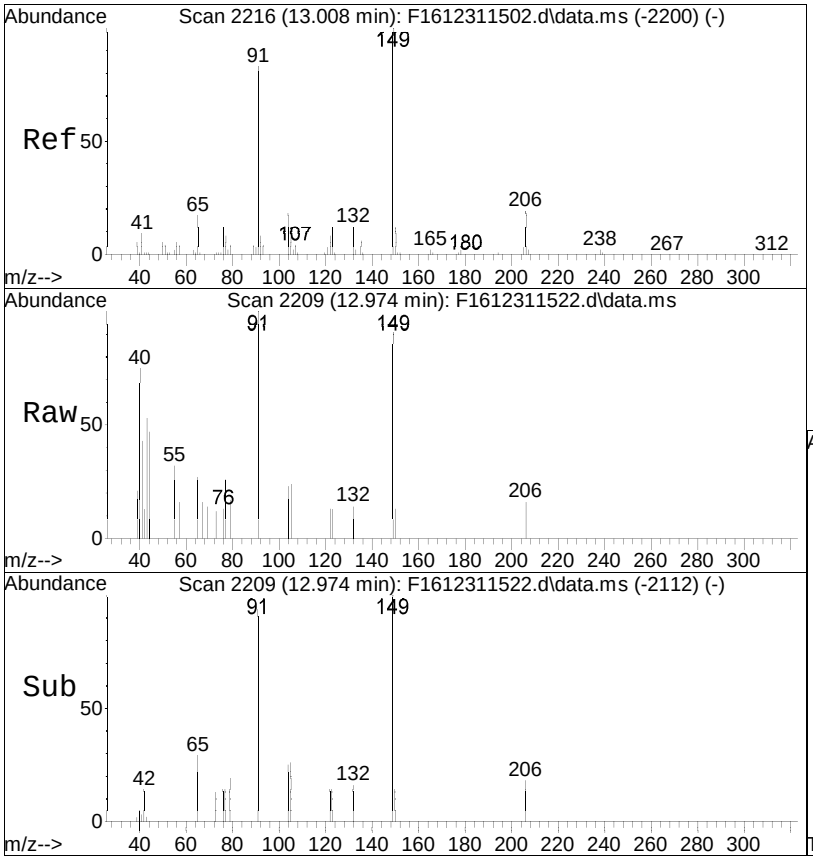


#74
Di-n-butylphthalate
Concen: 0.02 ug/mL
RT: 9.931 min Scan# 1577
Delta R.T. -0.024 min
Lab File: F1612311522.d
Acq: 31 Dec 2015 9:59 pm

Tgt Ion:149 Resp: 4220

Ion	Ratio	Lower	Upper
149	100		
150	6.8	7.0	10.4#
104	0.0	3.9	5.9#

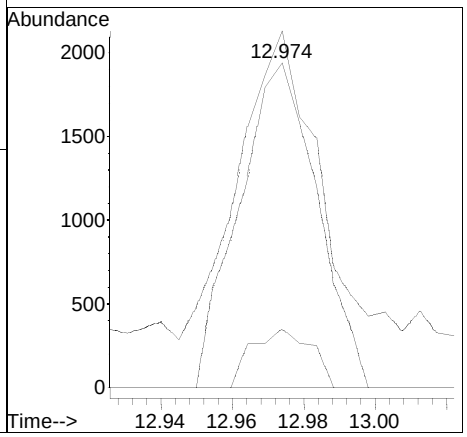


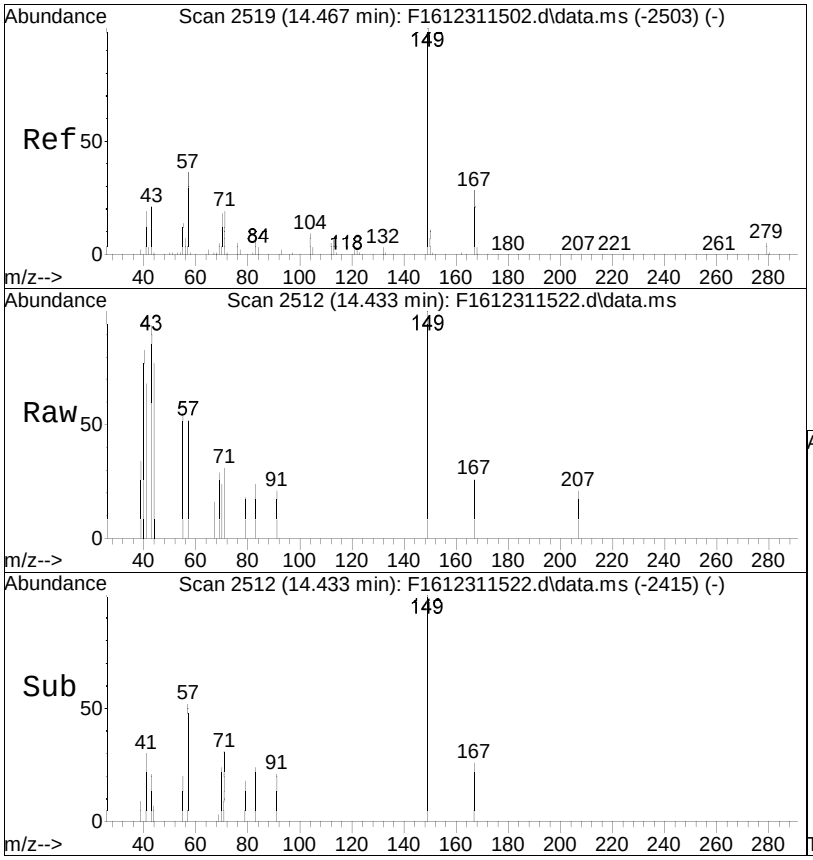


#80
Butylbenzylphthalate
Concen: 0.04 ug/mL
RT: 12.974 min Scan# 2209
Delta R.T. -0.034 min
Lab File: F1612311522.d
Acq: 31 Dec 2015 9:59 pm

Tgt Ion:149 Resp: 2952

Ion	Ratio	Lower	Upper
149	100		
91	130.7	57.8	86.6#
206	13.6	18.3	27.5#

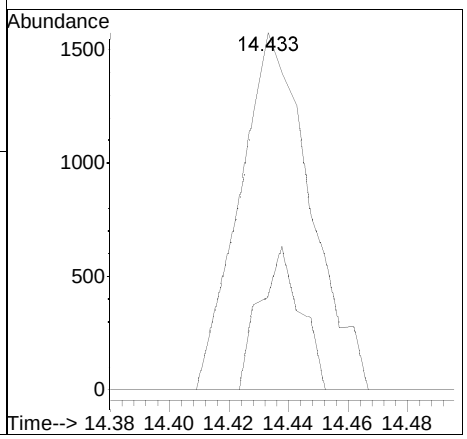




#84
bis(2-Ethylhexyl)phthalate
Concen: 0.03 ug/mL
RT: 14.433 min Scan# 2512
Delta R.T. -0.034 min
Lab File: F1612311522.d
Acq: 31 Dec 2015 9:59 pm

Tgt Ion:149 Resp: 2588

Ion	Ratio	Lower	Upper
149	100		
167	23.2	26.2	39.4#
279	0.0	5.2	7.8#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311523.d
Acq On : 31 Dec 2015 10:28 pm
Operator : PAH16:JT
Sample : L1533592-12
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 04 16:47:41 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.422	152	210111	5.000	ug/mL	-0.01
21) Naphthalene-d8	5.578	136	827791	5.000	ug/mL	-0.01
38) Acenaphthene-d10	7.273	164	392827	5.000	ug/mL	-0.01
61) Phenanthrene-d10	8.968	188	716901	5.000	ug/mL	-0.02
76) Chrysene-d12	14.062	240	605922	5.000	ug/mL	-0.03
85) Perylene-d12	17.202	264	528692	5.000	ug/mL	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	3.382	112	439771	7.474	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 37.37%			
8) Phenol-d5	4.109	99	379594	4.784	ug/mL	-0.01
Spiked Amount 20.000	Range 10 - 94		Recovery = 23.92%			
22) Nitrobenzene-d5	4.918	82	991980	14.200	ug/mL	-0.01
Spiked Amount 20.000	Range 35 - 114		Recovery = 71.00%			
43) 2-Fluorobiphenyl	6.618	172	1479334	13.287	ug/mL	-0.01
Spiked Amount 20.000	Range 43 - 116		Recovery = 66.44%			
65) 2,4,6-Tribromophenol	8.096	330	158471	16.668	ug/mL	-0.02
Spiked Amount 20.000	Range 10 - 123		Recovery = 83.34%			
79) Terphenyl-d14	11.809	244	1739927	19.292	ug/mL	-0.02
Spiked Amount 20.000	Range 33 - 141		Recovery = 96.46%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.390	74	96	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.066	77	440	N.D.		
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		d
9) Phenol	4.123	94	260	N.D.		
10) 2-Chlorophenol	4.249	128	171	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	4.783	105	1525	0.021	ug/ml#	81
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311523.d
Acq On : 31 Dec 2015 10:28 pm
Operator : PAH16:JT
Sample : L1533592-12
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 04 16:47:41 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	0.000		0	N.D.		d
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.		d
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	5.972	113	258	N.D.		
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.		d
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	7.720	149	2066	N.D.		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		d
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		d
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	9.931	149	1949	N.D.		
77) Benzidine	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311523.d
Acq On : 31 Dec 2015 10:28 pm
Operator : PAH16:JT
Sample : L1533592-12
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 04 16:47:41 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Butylbenzylphthalate	12.974	149	1480		N.D.	
81) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
84) bis(2-Ethylhexyl)phthalat	14.438	149	1005		N.D.	
86) Di-n-octylphthalate	0.000		0		N.D.	

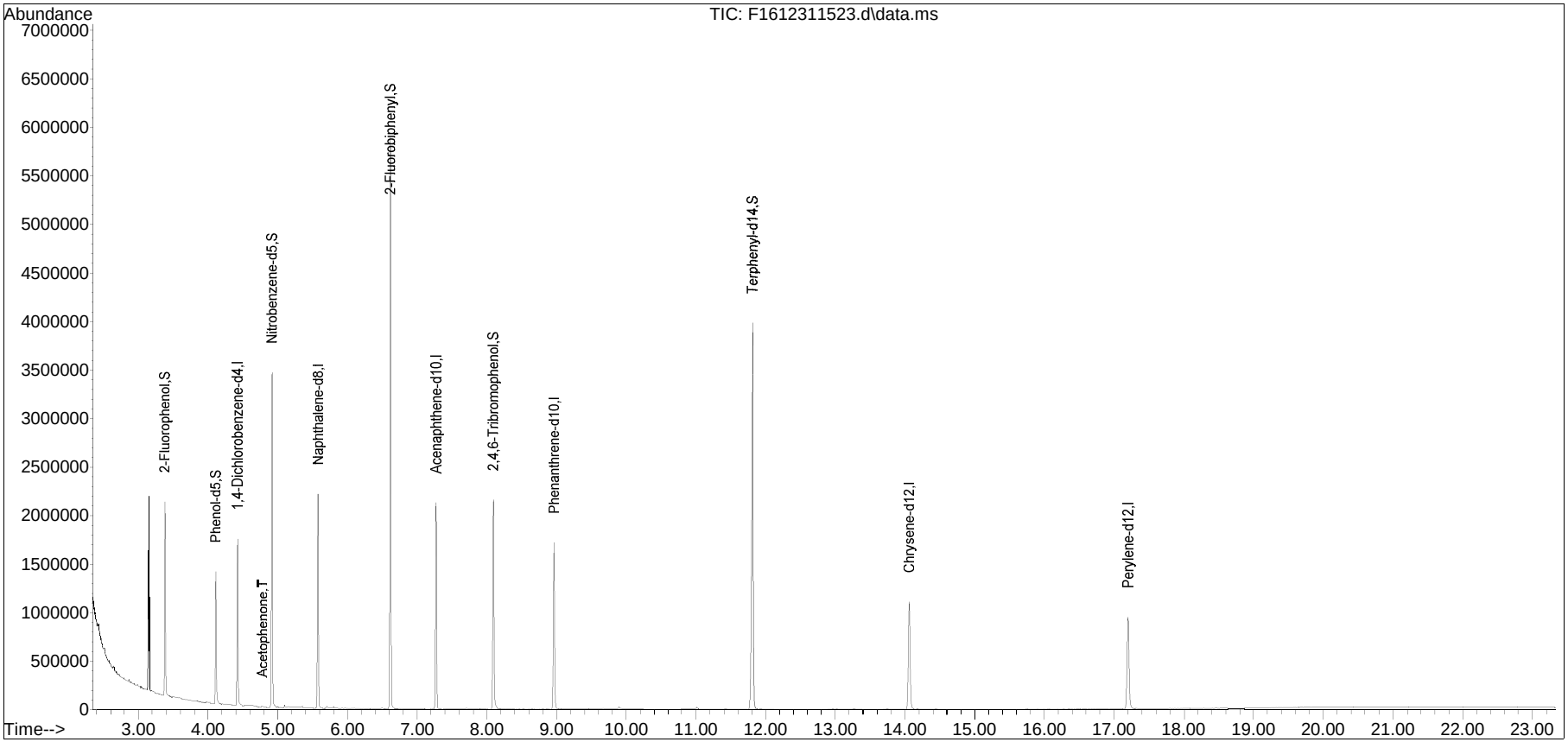
(#) = qualifier out of range (m) = manual integration (+) = signals summed

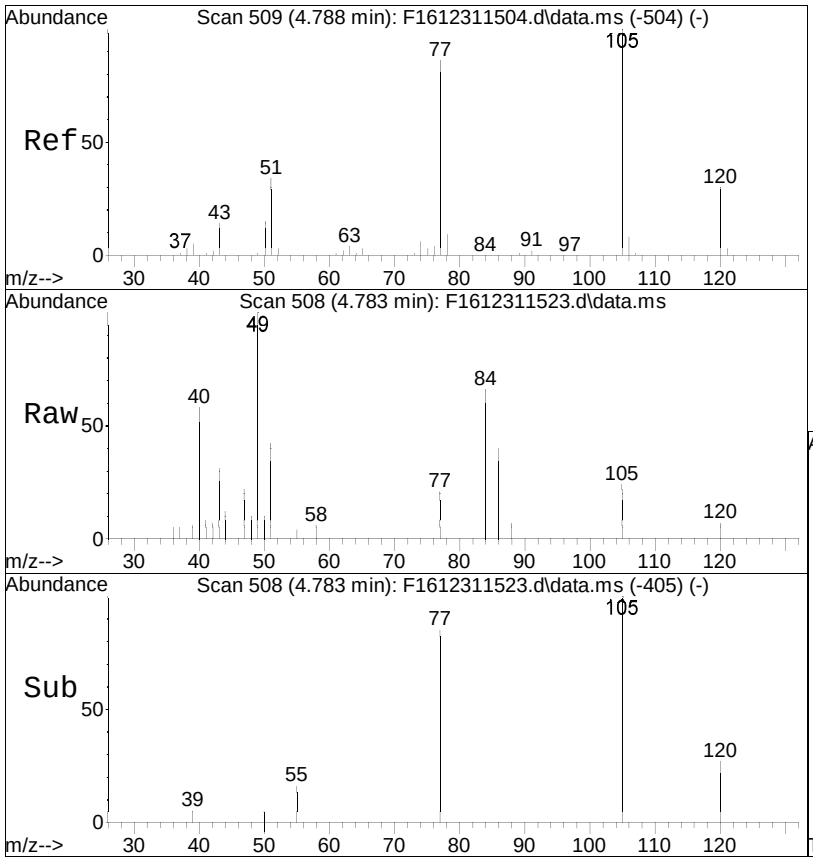
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311523.d
Acq On : 31 Dec 2015 10:28 pm
Operator : PAH16:JT
Sample : L1533592-12
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 04 16:47:41 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

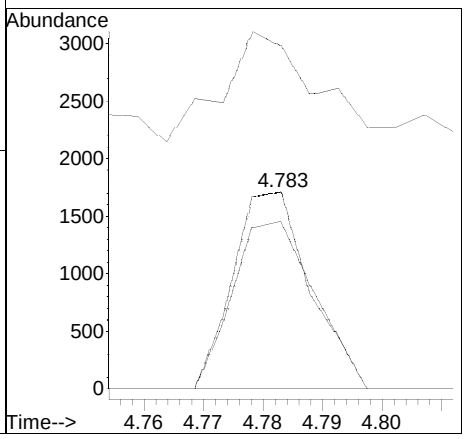




#17
Acetophenone
Concen: 0.02 ug/ml
RT: 4.783 min Scan# 508
Delta R.T. -0.005 min
Lab File: F1612311523.d
Acq: 31 Dec 2015 10:28 pm

Tgt Ion:105 Resp: 1525

Ion	Ratio	Lower	Upper
105	100		
77	90.6	68.6	103.0
51	66.4	29.0	43.4#



Batch Quality Control

Method Blank
Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311508.d
Acq On : 31 Dec 2015 3:13 pm
Operator : PAH16:JT
Sample : WG852537-1
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 04 15:14:26 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:55 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.422	152	213413	5.000	ug/mL	-0.01
21) Naphthalene-d8	5.578	136	843566	5.000	ug/mL	-0.01
38) Acenaphthene-d10	7.273	164	401947	5.000	ug/mL	-0.01
61) Phenanthrene-d10	8.968	188	734355	5.000	ug/mL	-0.02
76) Chrysene-d12	14.062	240	616820	5.000	ug/mL	-0.03
85) Perylene-d12	17.207	264	539716	5.000	ug/mL	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	3.382	112	506598	8.477	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 42.38%			
8) Phenol-d5	4.109	99	472485	5.863	ug/mL	-0.01
Spiked Amount 20.000	Range 10 - 94		Recovery = 29.32%			
22) Nitrobenzene-d5	4.918	82	1019478	14.320	ug/mL	-0.01
Spiked Amount 20.000	Range 35 - 114		Recovery = 71.60%			
43) 2-Fluorobiphenyl	6.618	172	1652154	14.502	ug/mL	-0.01
Spiked Amount 20.000	Range 43 - 116		Recovery = 72.51%			
65) 2,4,6-Tribromophenol	8.096	330	158870	16.313	ug/mL	-0.02
Spiked Amount 20.000	Range 10 - 123		Recovery = 81.56%			
79) Terphenyl-d14	11.813	244	1735988	18.908	ug/mL	-0.02
Spiked Amount 20.000	Range 33 - 141		Recovery = 94.54%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.452	74	234	N.D.		
3) Pyridine	2.515	79	348	N.D.		
5) Benzaldehyde	4.066	77	592	N.D.		
6) Aniline	4.176	93	155	N.D.		
7) bis(2-Chloroethyl)ether	4.196	63	282	N.D.		
9) Phenol	4.123	94	170	N.D.		
10) 2-Chlorophenol	4.244	128	580	N.D.		
11) 1,3-Dichlorobenzene	4.374	146	184	N.D.		
12) 1,4-Dichlorobenzene	4.436	146	230	N.D.		
13) 1,2-Dichlorobenzene	4.566	146	223	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	4.663	45	771	N.D.		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	4.778	105	2845	0.038	ug/ml#	89
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311508.d
Acq On : 31 Dec 2015 3:13 pm
Operator : PAH16:JT
Sample : WG852537-1
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 04 15:14:26 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:55 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	5.963	113	496	0.029	ug/ml#	30
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	6.714	154	303	N.D.		
45) 2-Chloronaphthalene	6.733	162	153	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	7.720	149	4451	0.037	ug/mL#	94
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.	d	
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	9.931	149	1454	N.D.		
77) Benzidine	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311508.d
Acq On : 31 Dec 2015 3:13 pm
Operator : PAH16:JT
Sample : WG852537-1
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 04 15:14:26 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:55 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Butylbenzylphthalate	12.969	149	1381	N.D.		
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.438	149	9390	0.088	ug/mL#	87
86) Di-n-octylphthalate	16.080	149	155	N.D.		

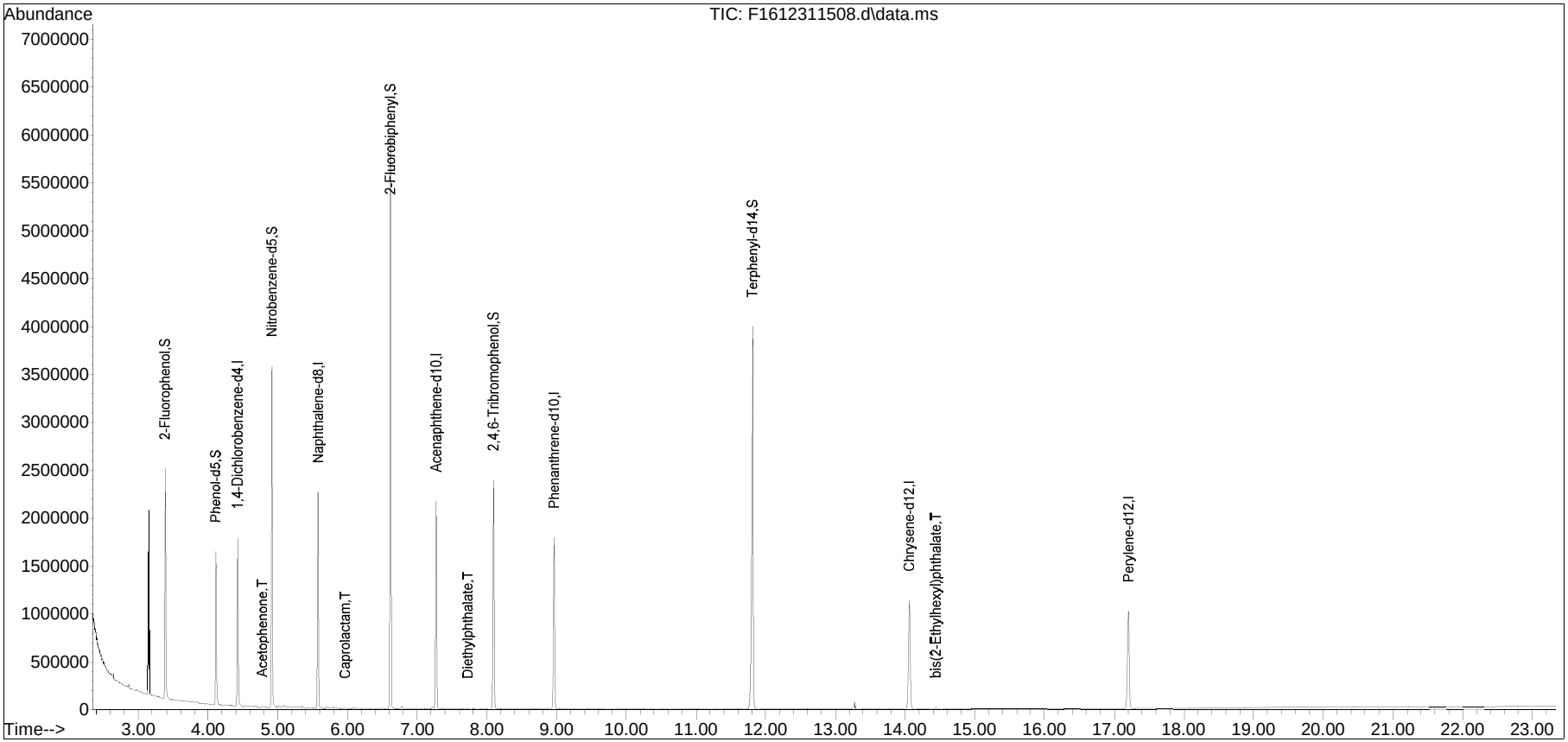
(#) = qualifier out of range (m) = manual integration (+) = signals summed

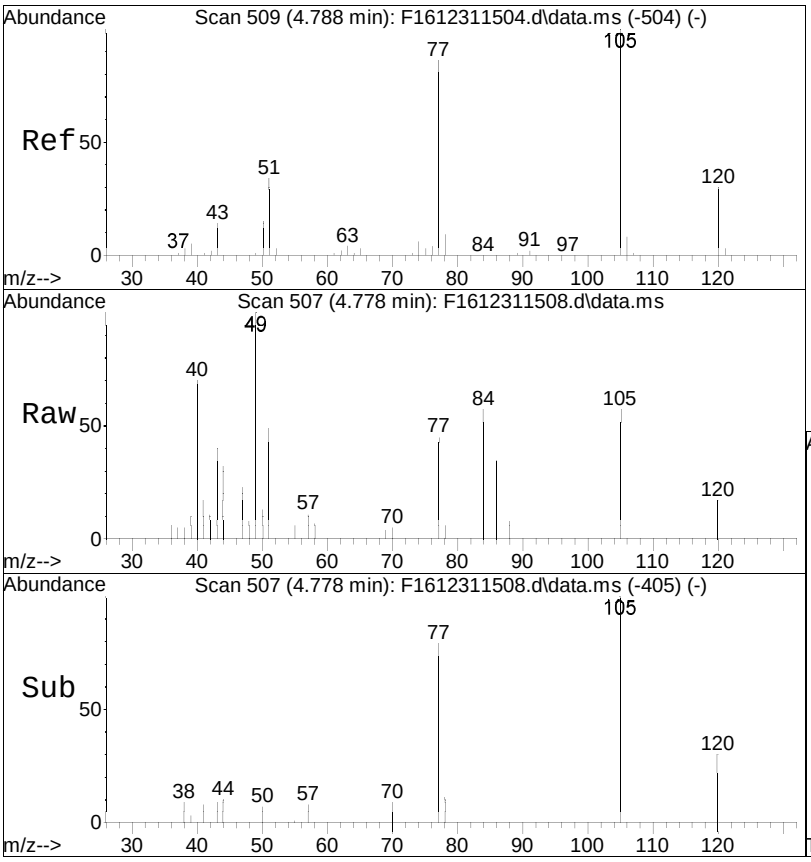
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311508.d
Acq On : 31 Dec 2015 3:13 pm
Operator : PAH16:JT
Sample : WG852537-1
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 04 15:14:26 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:55 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

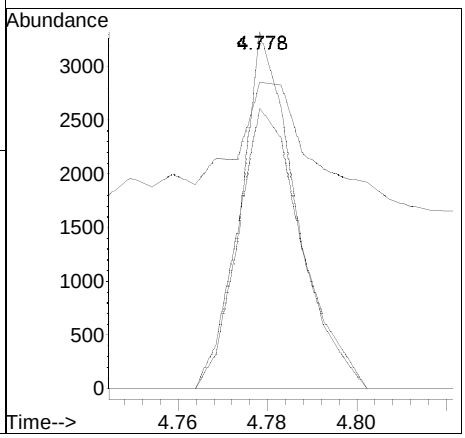


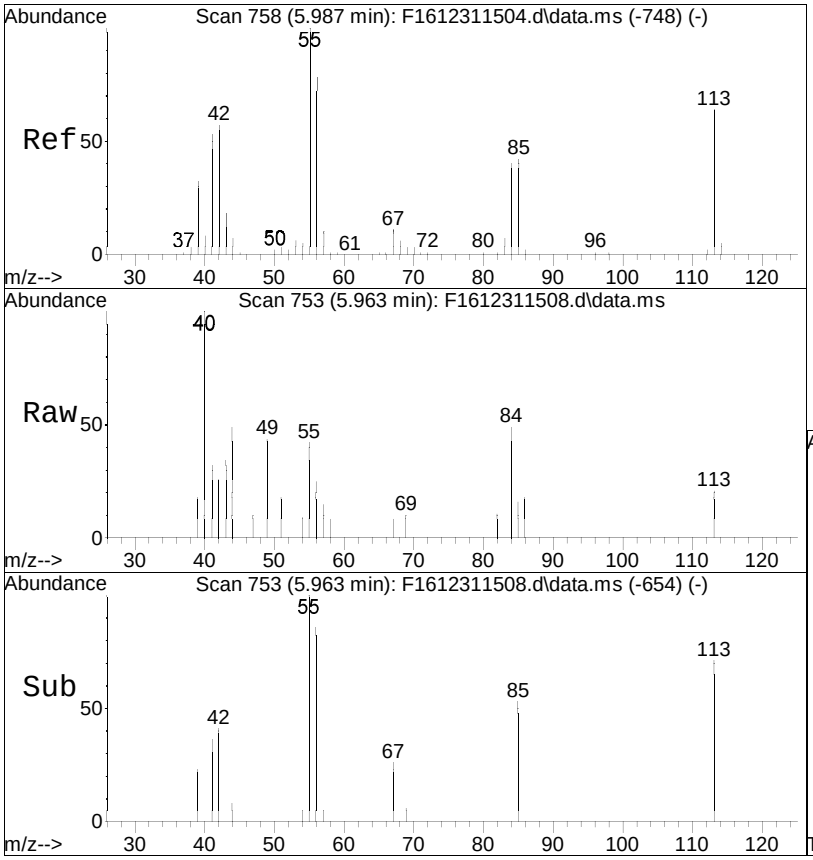


#17
Acetophenone
Concen: 0.04 ug/ml
RT: 4.778 min Scan# 507
Delta R.T. -0.010 min
Lab File: F1612311508.d
Acq: 31 Dec 2015 3:13 pm

Tgt Ion:105 Resp: 2845

Ion	Ratio	Lower	Upper
105	100		
77	90.9	68.6	103.0
51	51.0	29.0	43.4#

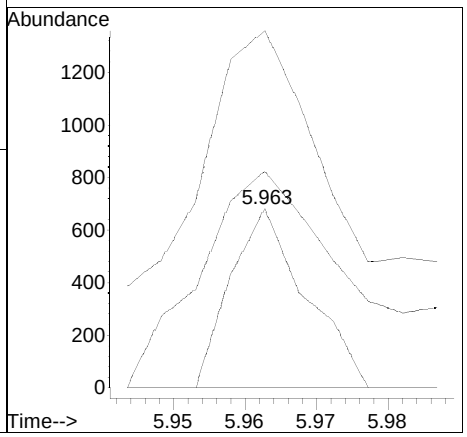


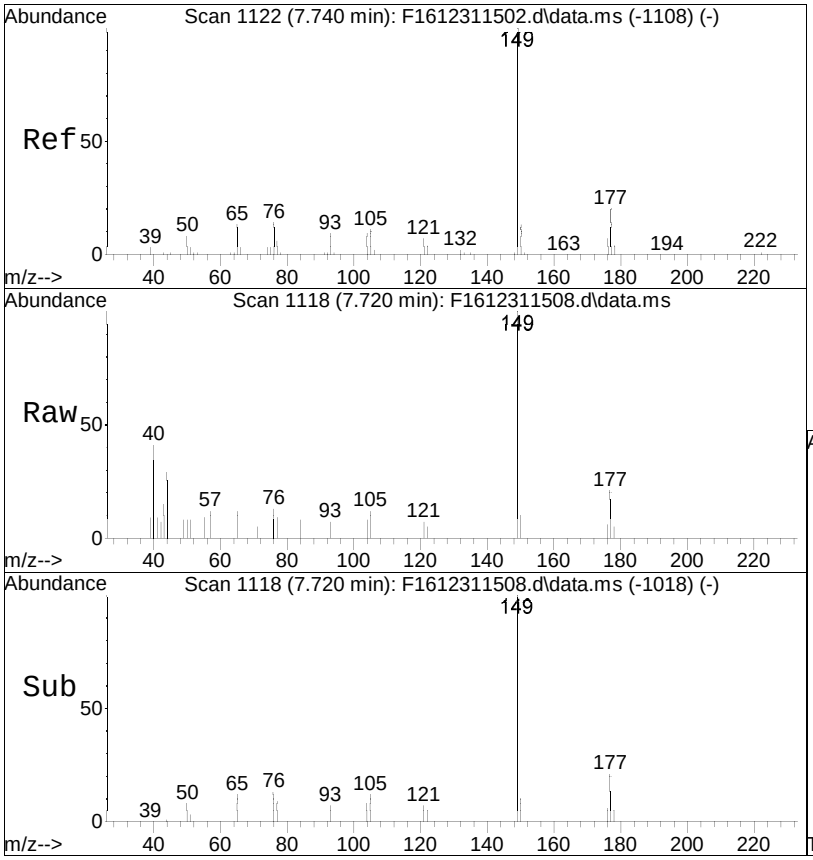


#35
Caprolactam
Concen: 0.03 ug/ml
RT: 5.963 min Scan# 753
Delta R.T. -0.024 min
Lab File: F1612311508.d
Acq: 31 Dec 2015 3:13 pm

Tgt Ion:113 Resp: 496

Ion	Ratio	Lower	Upper
113	100		
55	219.2	125.3	187.9#
56	229.4	96.2	144.2#

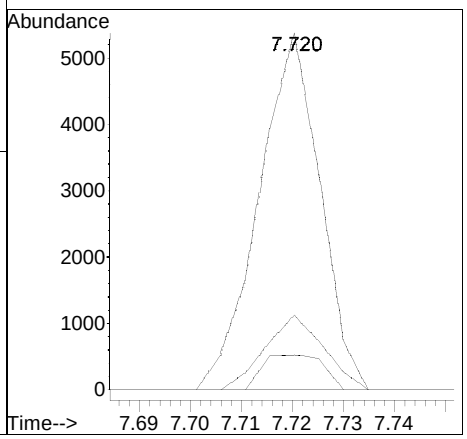


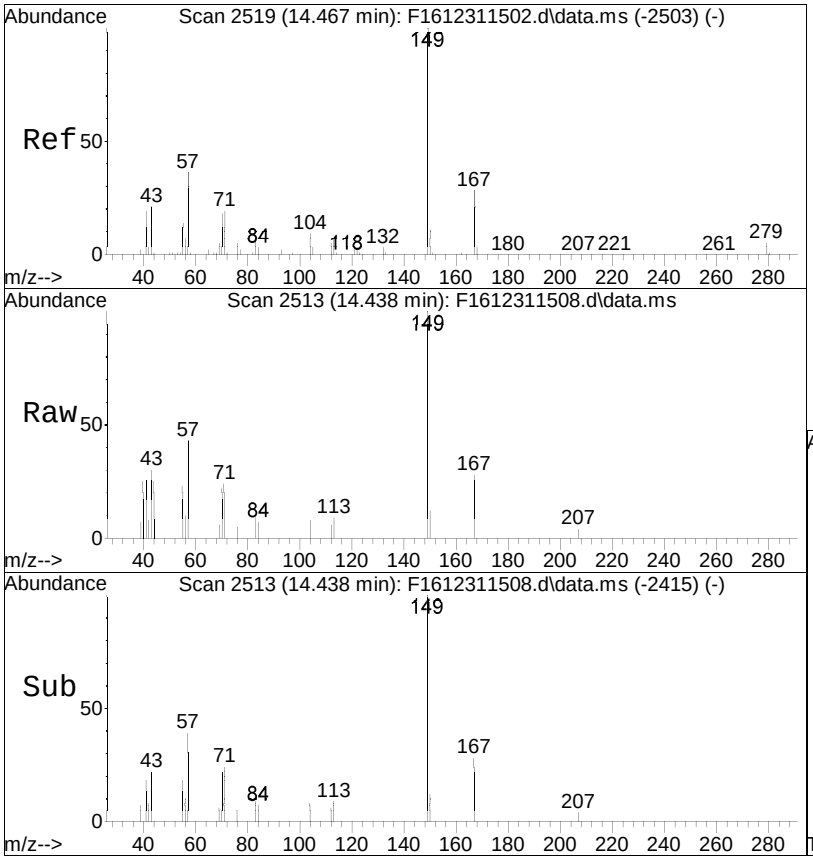


#59
Diethylphthalate
Concen: 0.04 ug/mL
RT: 7.720 min Scan# 1118
Delta R.T. -0.019 min
Lab File: F1612311508.d
Acq: 31 Dec 2015 3:13 pm

Tgt Ion:149 Resp: 4451

Ion	Ratio	Lower	Upper
149	100		
177	20.1	18.6	27.8
150	9.8	9.8	14.8#

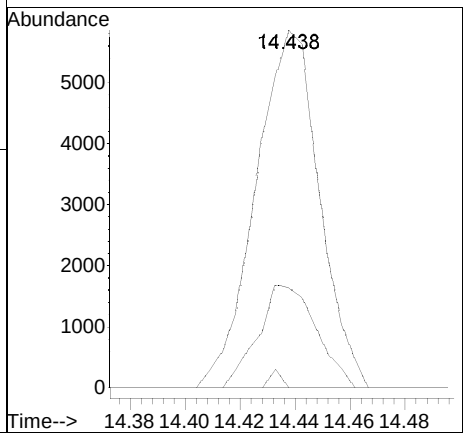




#84
bis(2-Ethylhexyl)phthalate
Concen: 0.09 ug/mL
RT: 14.438 min Scan# 2513
Delta R.T. -0.029 min
Lab File: F1612311508.d
Acq: 31 Dec 2015 3:13 pm

Tgt Ion:149 Resp: 9390

Ion	Ratio	Lower	Upper
149	100		
167	26.3	26.2	39.4
279	0.0	5.2	7.8#



LCS Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311509.d
Acq On : 31 Dec 2015 3:42 pm
Operator : PAH16:JT
Sample : WG852537-2
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 04 15:15:53 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.422	152	209720	5.000	ug/mL	-0.01
21) Naphthalene-d8	5.578	136	827174	5.000	ug/mL	-0.01
38) Acenaphthene-d10	7.273	164	398738	5.000	ug/mL	-0.01
61) Phenanthrene-d10	8.972	188	735195	5.000	ug/mL	-0.01
76) Chrysene-d12	14.072	240	636734	5.000	ug/mL	-0.02
85) Perylene-d12	17.207	264	520707	5.000	ug/mL	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	3.382	112	506055	8.617	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 43.09%			
8) Phenol-d5	4.109	99	475764	6.008	ug/mL	-0.01
Spiked Amount 20.000	Range 10 - 94		Recovery = 30.04%			
22) Nitrobenzene-d5	4.918	82	1062308	15.218	ug/mL	-0.01
Spiked Amount 20.000	Range 35 - 114		Recovery = 76.09%			
43) 2-Fluorobiphenyl	6.623	172	1700206	15.044	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 75.22%			
65) 2,4,6-Tribromophenol	8.101	330	160836	16.496	ug/mL	-0.01
Spiked Amount 20.000	Range 10 - 123		Recovery = 82.48%			
79) Terphenyl-d14	11.813	244	1674580	17.669	ug/mL	-0.02
Spiked Amount 20.000	Range 33 - 141		Recovery = 88.35%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.452	74	173755	4.921	ug/mL#	69
3) Pyridine	2.472	79	230819	3.582	ug/mL#	76
5) Benzaldehyde	4.056	77	382489	7.910	ug/ml	97
6) Aniline	4.143	93	536815M4	5.989	ug/ml	
7) bis(2-Chloroethyl)ether	4.196	63	368336	7.435	ug/mL	84
9) Phenol	4.123	94	265709	3.246	ug/mL#	75
10) 2-Chlorophenol	4.244	128	429933	6.635	ug/mL#	90
11) 1,3-Dichlorobenzene	4.369	146	271139	3.889	ug/mL	99
12) 1,4-Dichlorobenzene	4.436	146	284379M4	4.051	ug/mL	
13) 1,2-Dichlorobenzene	4.566	146	283712	4.302	ug/mL	99
14) Benzyl alcohol	4.542	108	289245	7.044	ug/mL	90
15) bis(2-chloroisopropyl)eth	4.658	45	735040	7.687	ug/mL#	51
16) 2-Methylphenol	4.643	108	365931	6.425	ug/mL	99
17) Acetophenone	4.778	105	665110	8.992	ug/ml#	79
18) Hexachloroethane	4.865	117	105649	3.587	ug/mL#	81
19) N-Nitroso-di-n-propylamin	4.778	70	399254	8.120	ug/mL#	87
20) 4-Methylphenol	4.783	108	396575	6.404	ug/mL	100
23) Nitrobenzene	4.937	77	538746	7.409	ug/mL	94

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311509.d
Acq On : 31 Dec 2015 3:42 pm
Operator : PAH16:JT
Sample : WG852537-2
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 04 15:15:53 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.154	82	880950	8.161	ug/mL	97
25) 2-Nitrophenol	5.226	139	241331	7.144	ug/mL#	83
26) 2,4-Dimethylphenol	5.269	107	431729	8.339	ug/mL	97
27) Benzoic acid	5.385	105	411644M4	9.290	ug/mL	
28) bis(2-Chloroethoxy)methan	5.356	93	556632	7.683	ug/mL	99
29) 2,4-Dichlorophenol	5.452	162	354720	7.515	ug/mL	96
30) 1,2,4-Trichlorobenzene	5.525	180	219453	4.359	ug/mL	97
31) Naphthalene	5.597	128	1042486	5.625	ug/mL	100
32) 2-Chloroaniline	5.192	127	687665	7.172	ug/ml	100
33) 4-Chloroaniline	5.659	127	500805	6.666	ug/mL#	1
34) Hexachlorobutadiene	5.712	225	84307	3.331	ug/mL	99
35) Caprolactam	5.987	113	47069M4	2.779	ug/ml	
36) 4-Chloro-3-methylphenol	6.131	107	445140	8.088	ug/mL	96
37) 2-Methylnaphthalene	6.261	142	682439	5.674	ug/mL	100
39) 1,2,4,5-Tetrachlorobenzen	6.420	216	211385	4.854	ug/mL	99
40) Hexachlorocyclopentadiene	6.406	237	75450	4.078	ug/mL	99
41) 2,4,6-Trichlorophenol	6.541	196	239939	7.861	ug/mL	99
42) 2,4,5-Trichlorophenol	6.579	196	257194	8.124	ug/mL	99
44) Biphenyl	6.714	154	992510	7.852	ug/ml	100
45) 2-Chloronaphthalene	6.733	162	627712	6.159	ug/mL#	89
46) 2-Nitroaniline	6.844	65	337143	8.662	ug/mL#	80
47) Acenaphthylene	7.133	152	1284983	7.319	ug/mL	100
48) Dimethylphthalate	7.022	163	919381	8.297	ug/mL	99
49) 2,6-Dinitrotoluene	7.085	165	213607	8.239	ug/mL#	80
50) Acenaphthene	7.306	153	779312	7.057	ug/mL	99
51) 3-Nitroaniline	7.248	138	222911	7.372	ug/mL	87
52) 2,4-Dinitrophenol	7.354	184	144479	8.107	ug/mL#	71
53) Dibenzofuran	7.475	168	1038817	7.371	ug/mL	91
54) 2,3,4,6-Tetrachlorophenol	7.605	232	174592	8.391		92
55) 2,4-Dinitrotoluene	7.480	165	304001	8.480	ug/mL#	39
56) 4-Nitrophenol	7.431	109	76251	4.543	ug/mL	82
57) Fluorene	7.831	166	903572	7.788	ug/mL	99
58) 4-Chlorophenyl-phenylethe	7.836	204	366461	7.321	ug/mL	91
59) Diethylphthalate	7.725	149	1028011	8.622	ug/mL	96
60) 4-Nitroaniline	7.870	138	249703	8.547	ug/mL#	80
62) 4,6-Dinitro-2-methylpheno	7.903	198	165088	7.993	ug/mL#	100
63) Azobenzene	8.009	182	255844	7.981	ug/mL	51
64) n-Nitrosodiphenylamine	7.971	169	660533	8.174	ug/mL	100
66) 4-Bromophenyl-phenylether	8.395	248	186201	7.552	ug/mL#	87
67) Hexachlorobenzene	8.457	284	181324	7.394	ug/mL#	80
68) Atrazine	8.630	200	247252	9.060	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311509.d
Acq On : 31 Dec 2015 3:42 pm
Operator : PAH16:JT
Sample : WG852537-2
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 04 15:15:53 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	8.722	266	144928	8.328	ug/mL	99
70) Pentachloronitrobenzene	8.732	237	109426	9.022	ug/ml	96
71) Phenanthrene	9.006	178	1282519	7.989	ug/mL	99
72) Anthracene	9.078	178	1284235	8.214	ug/mL	98
73) Carbazole	9.329	167	1302389	8.558	ug/mL	98
74) Di-n-butylphthalate	9.935	149	1708035	9.094	ug/mL#	98
75) Fluoranthene	10.966	202	1328850	8.431	ug/mL#	94
77) Benzidine	11.298	184	354279	3.114	ug/mL	99
78) Pyrene	11.399	202	1370548	8.585	ug/mL#	93
80) Butylbenzylphthalate	12.979	149	793535	9.376	ug/mL#	86
81) 3,3'-Dichlorobenzidine	14.101	252	322794	6.864	ug/mL	100
82) Benz[a]anthracene	14.053	228	1186811	8.365	ug/mL	99
83) Chrysene	14.134	228	1128104	8.342	ug/mL	99
84) bis(2-Ethylhexyl)phthalat	14.443	149	1006491	9.167	ug/mL#	92
86) Di-n-octylphthalate	15.983	149	1778480	9.661	ug/mL	100
87) Benzo[b]fluoranthene	16.465	252	1046395	8.687	ug/mL#	97
88) Benzo[k]fluoranthene	16.528	252	1005886	8.741	ug/mL#	96
89) Benzo[a]pyrene	17.101	252	990555	8.745	ug/mL#	96
90) Indeno[1,2,3-cd]pyrene	19.046	276	845654	8.696	ug/mL	95
91) Dibenz[a,h]anthracene	19.099	278	834221M4	8.692	ug/mL	
92) Benzo[g,h,i]perylene	19.446	276	882735	8.777	ug/mL#	87

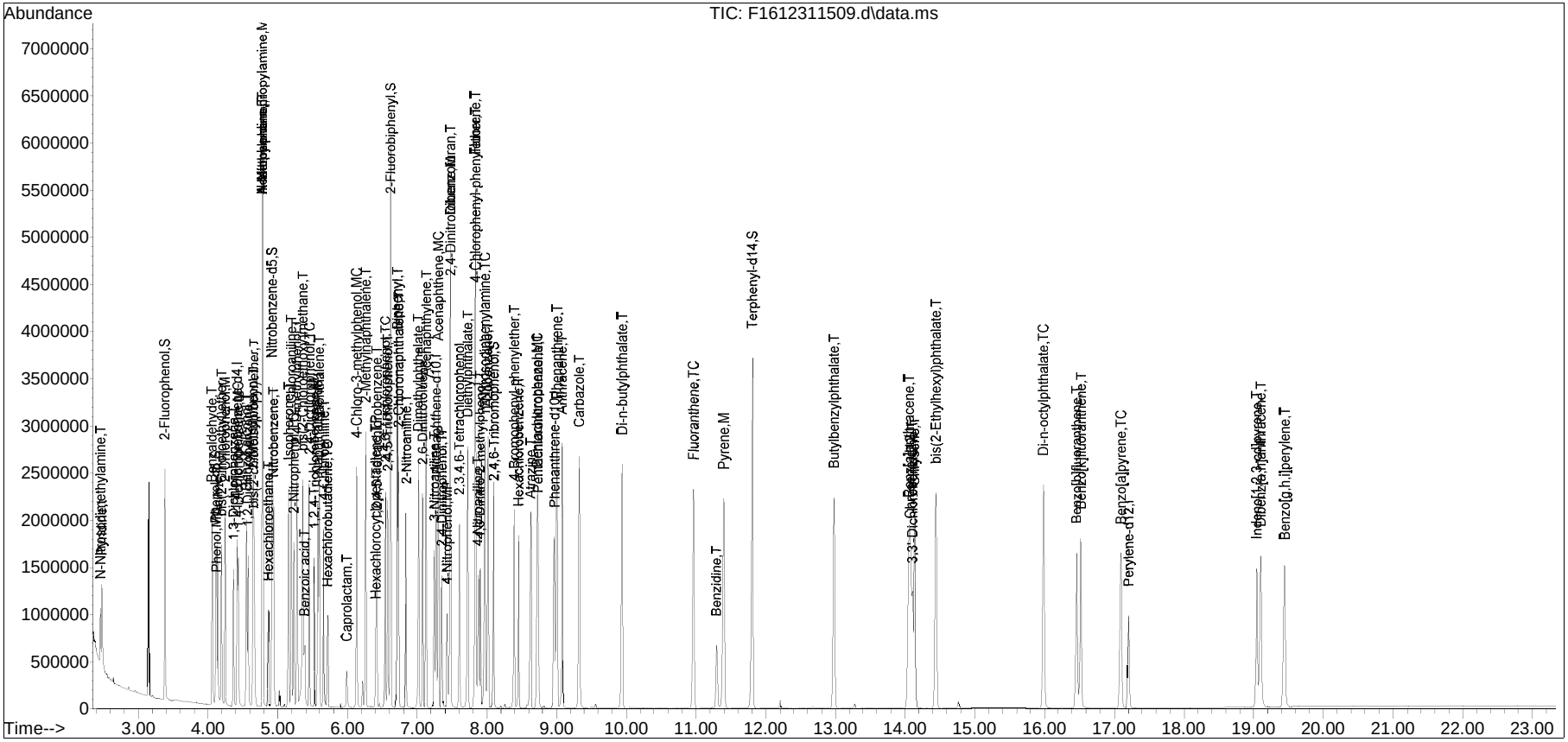
(#) = qualifier out of range (m) = manual integration (+) = signals summed

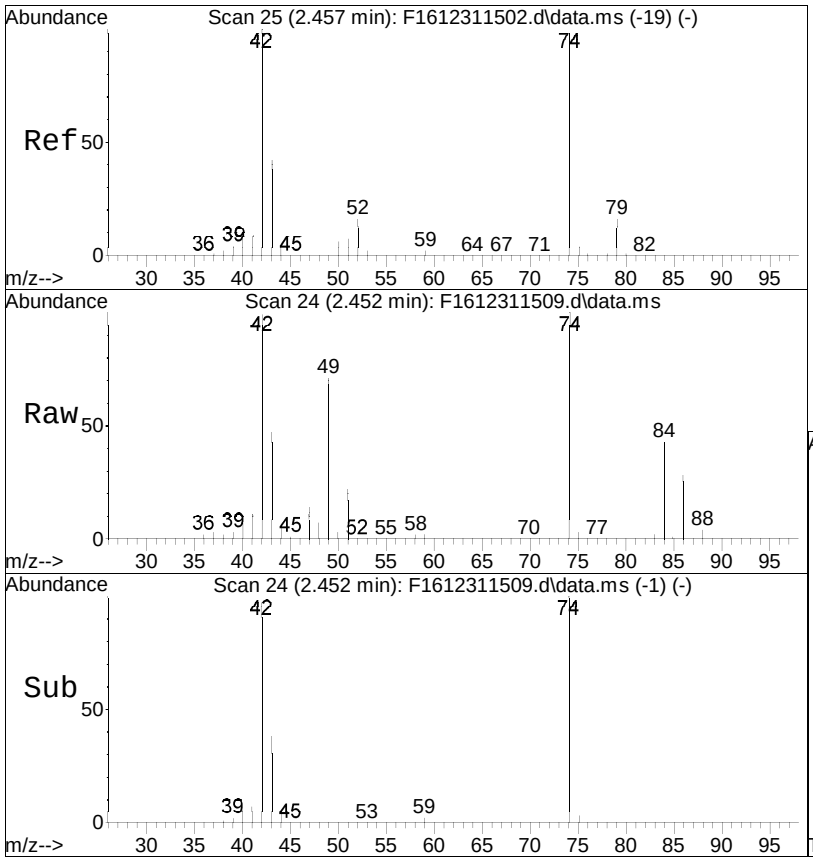
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311509.d
Acq On : 31 Dec 2015 3:42 pm
Operator : PAH16:JT
Sample : WG852537-2
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 04 15:15:53 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

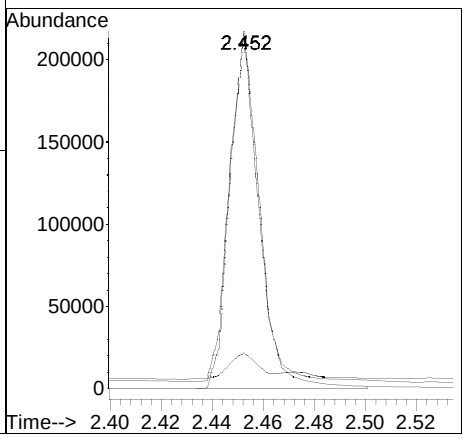


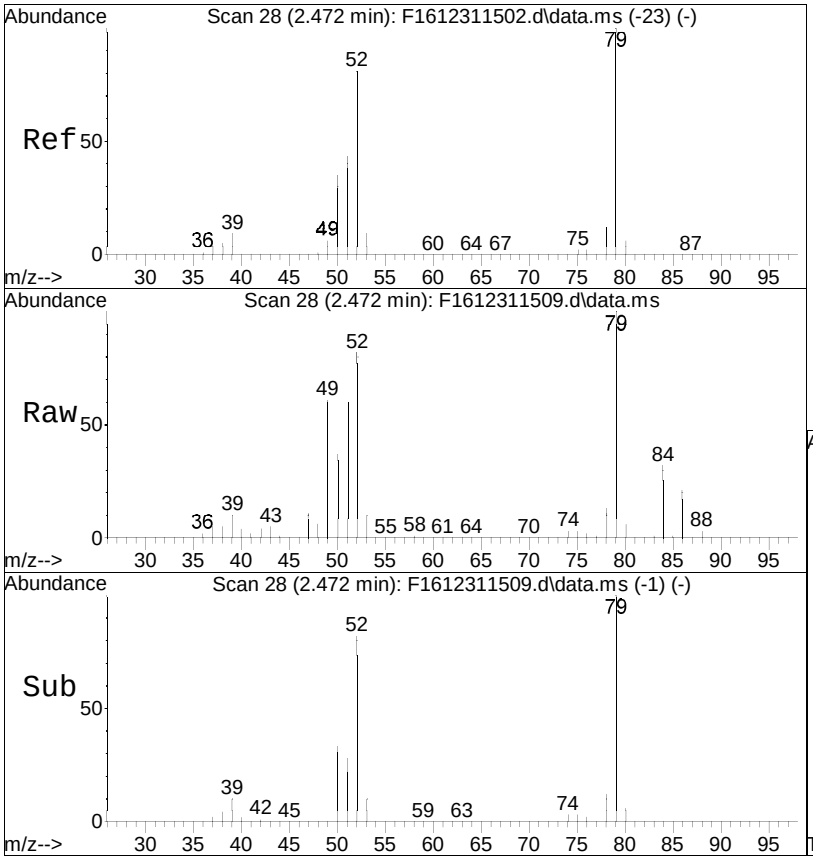


#2
N-Nitrosodimethylamine
Concen: 4.92 ug/mL
RT: 2.452 min Scan# 24
Delta R.T. -0.005 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion: 74 Resp: 173755

Ion	Ratio	Lower	Upper
74	100		
42	95.7	55.2	82.8#
40	7.9	4.4	6.6#

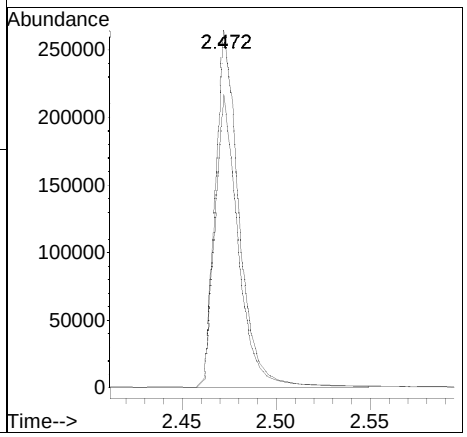


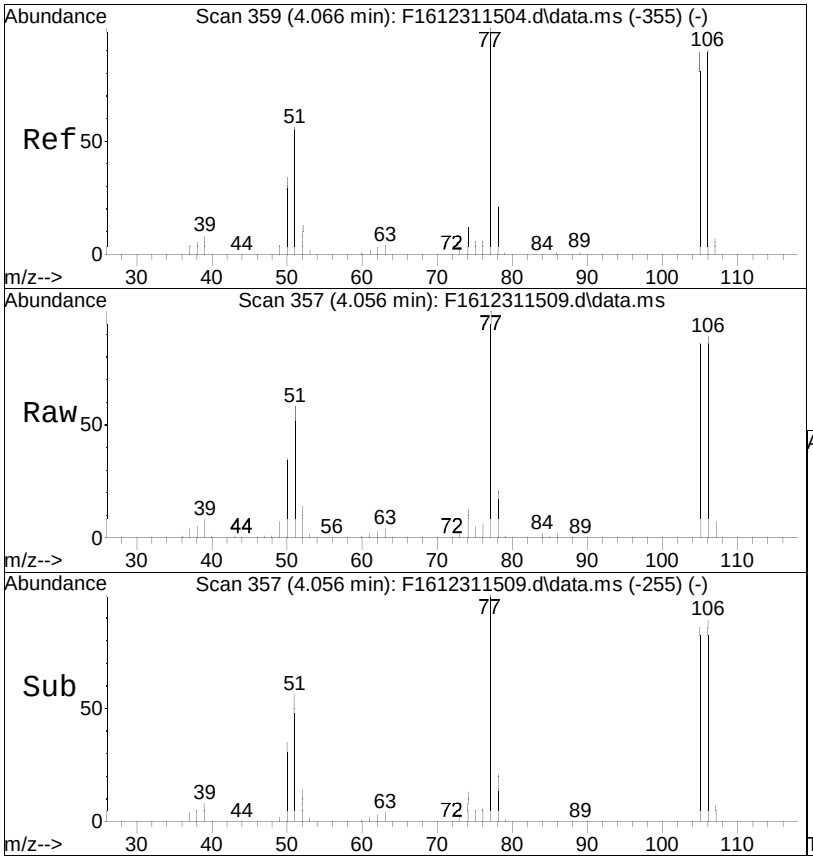


#3
Pyridine
Concen: 3.58 ug/mL
RT: 2.472 min Scan# 28
Delta R.T. 0.000 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion: 79 Resp: 230819

Ion	Ratio	Lower	Upper
79	100		
52	80.4	49.5	74.3#

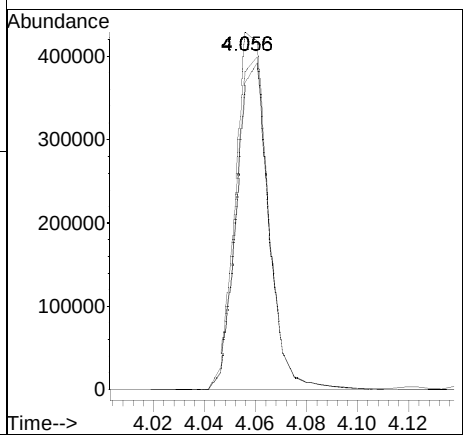


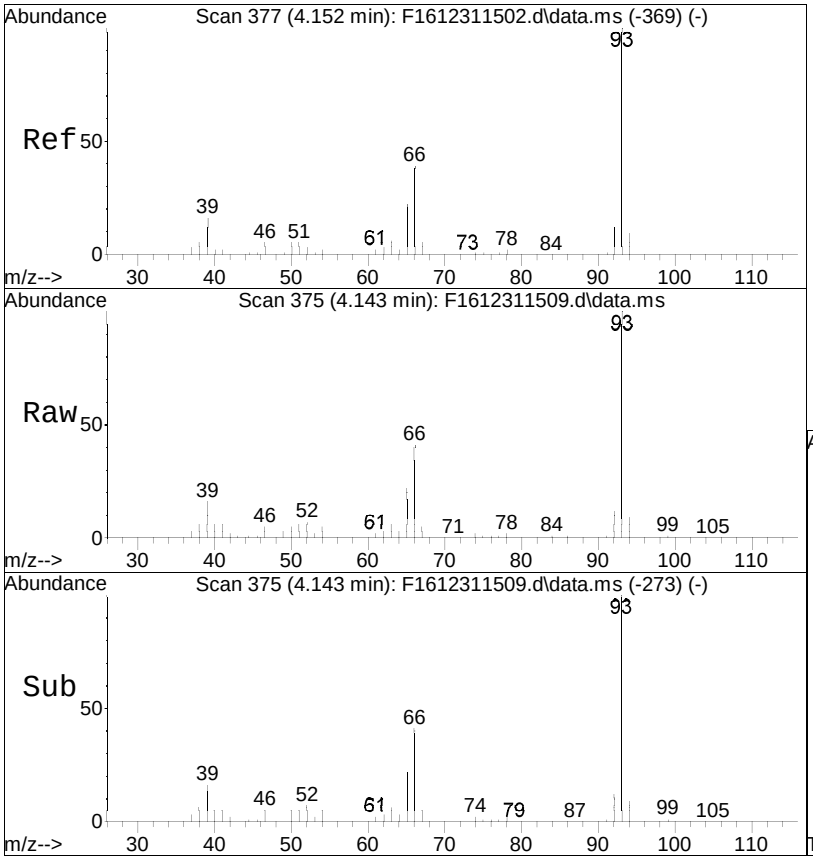


#5
Benzaldehyde
Concen: 7.91 ug/ml
RT: 4.056 min Scan# 357
Delta R.T. -0.010 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion: 77 Resp: 382489

Ion	Ratio	Lower	Upper
77	100		
105	89.3	73.7	110.5
106	92.3	75.9	113.9

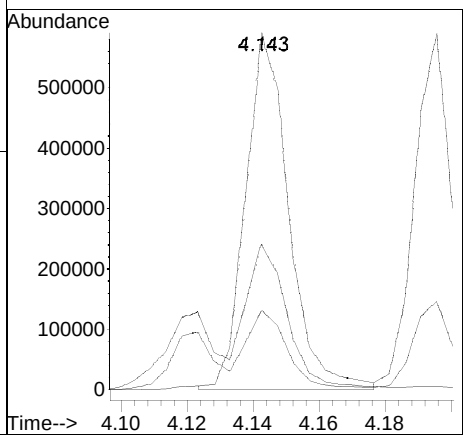


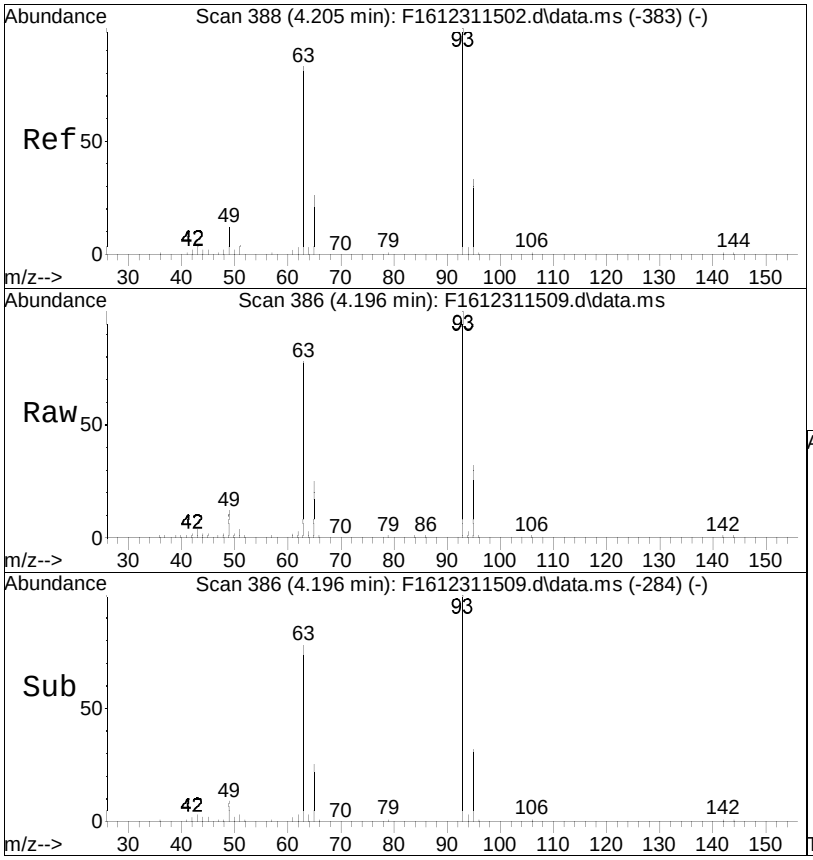


#6
Aniline
Concen: 5.99 ug/ml M4
RT: 4.143 min Scan# 375
Delta R.T. -0.010 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion: 93 Resp: 536815

Ion	Ratio	Lower	Upper
93	100		
66	39.1	220.7	331.1#
65	21.3	23.4	35.2#

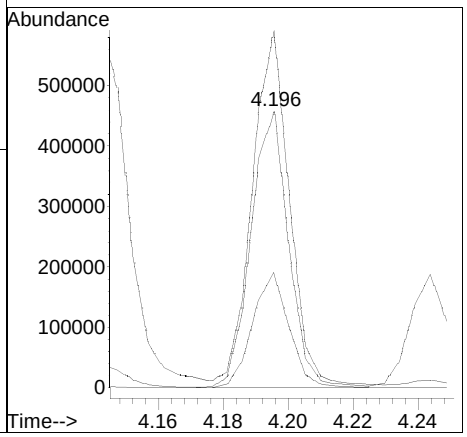


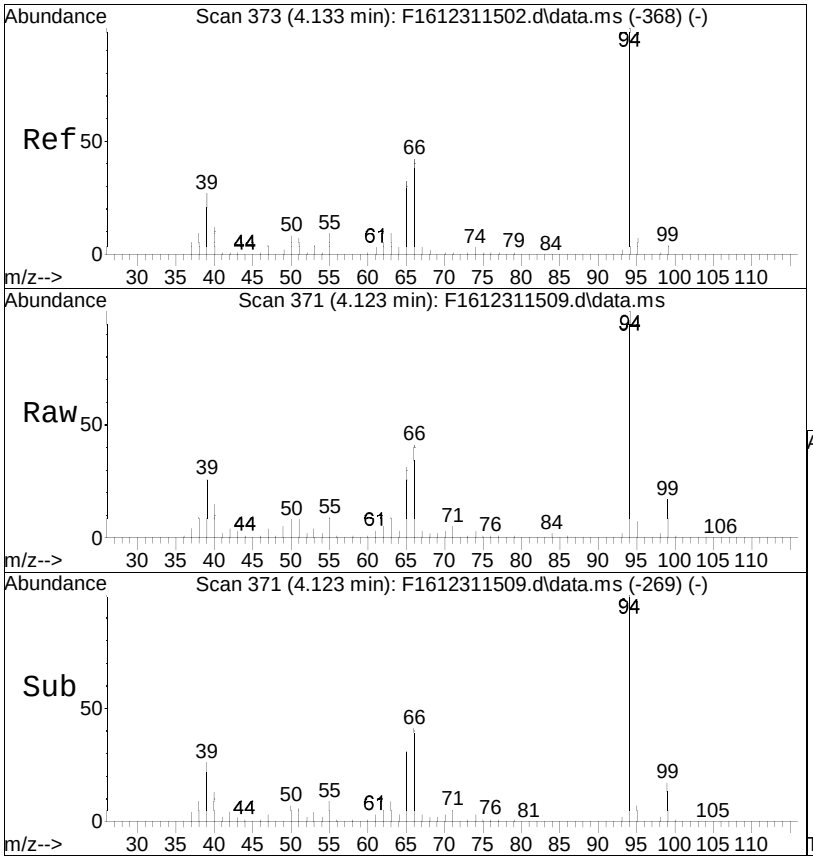


#7
bis(2-Chloroethyl)ether
Concen: 7.43 ug/mL
RT: 4.196 min Scan# 386
Delta R.T. -0.010 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion: 63 Resp: 368336

Ion	Ratio	Lower	Upper
63	100		
93	125.6	118.5	177.7
95	40.6	38.8	58.2

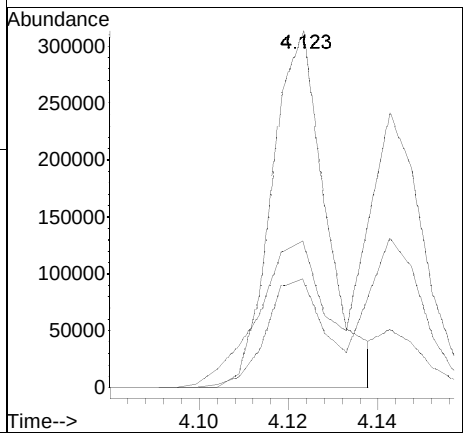


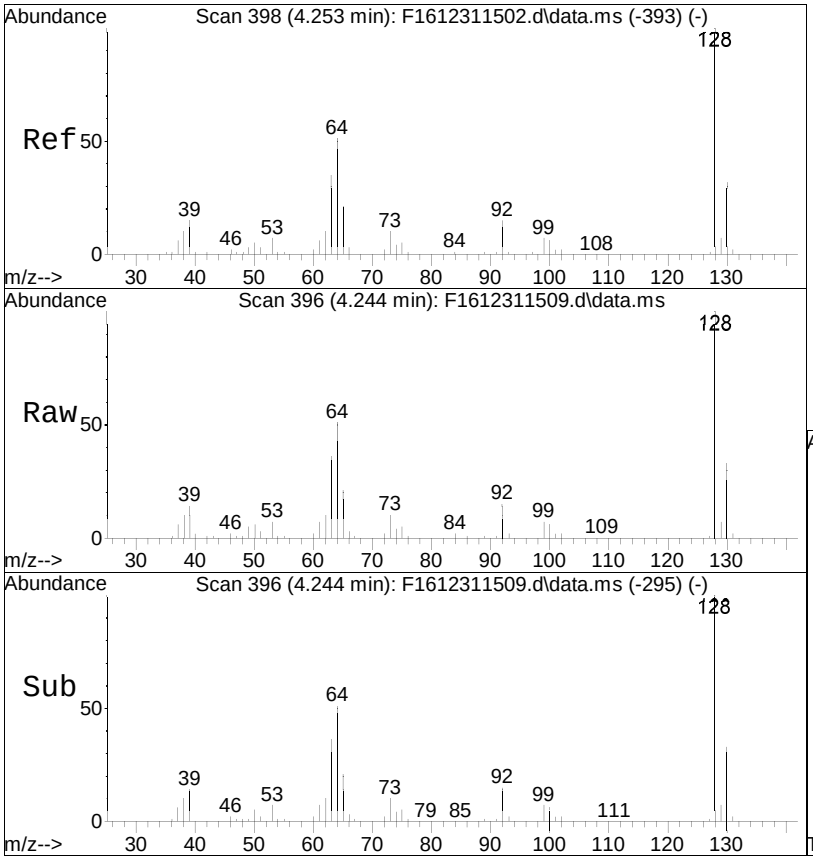


#9
Phenol
Concen: 3.25 ug/mL
RT: 4.123 min Scan# 371
Delta R.T. -0.010 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion: 94 Resp: 265709

Ion	Ratio	Lower	Upper
94	100		
66	52.5	27.5	41.3#
65	33.9	20.7	31.1#

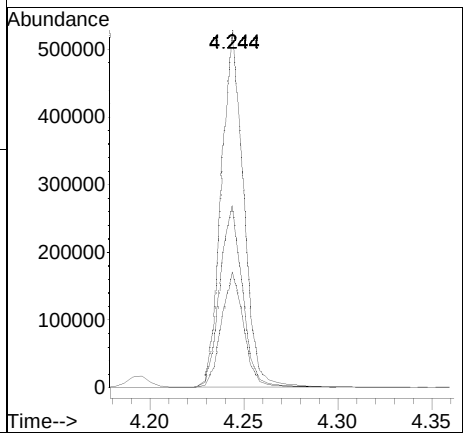


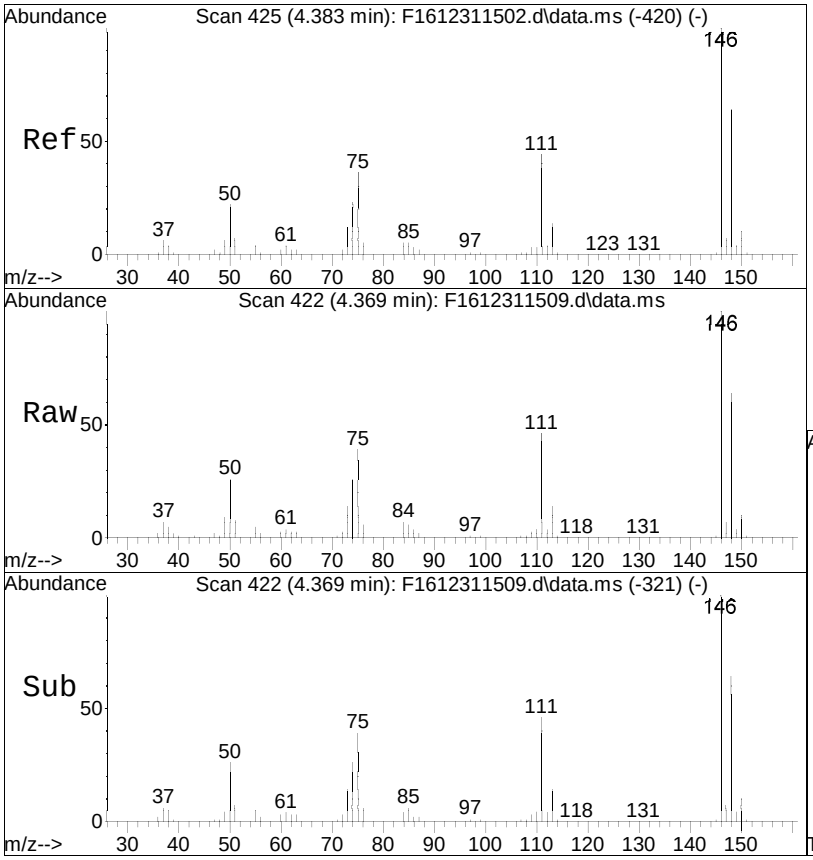


#10
2-Chlorophenol
Concen: 6.64 ug/mL
RT: 4.244 min Scan# 396
Delta R.T. -0.010 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:128 Resp: 429933

Ion	Ratio	Lower	Upper
128	100		
64	51.7	33.1	49.7#
130	32.5	25.7	38.5

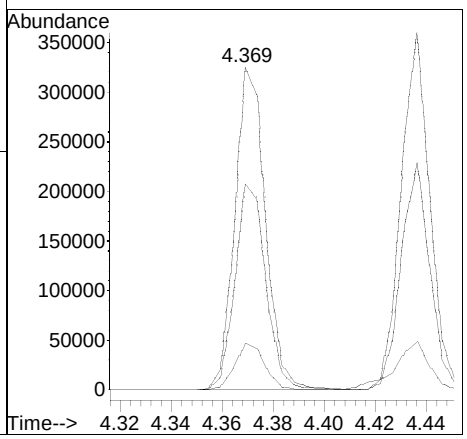


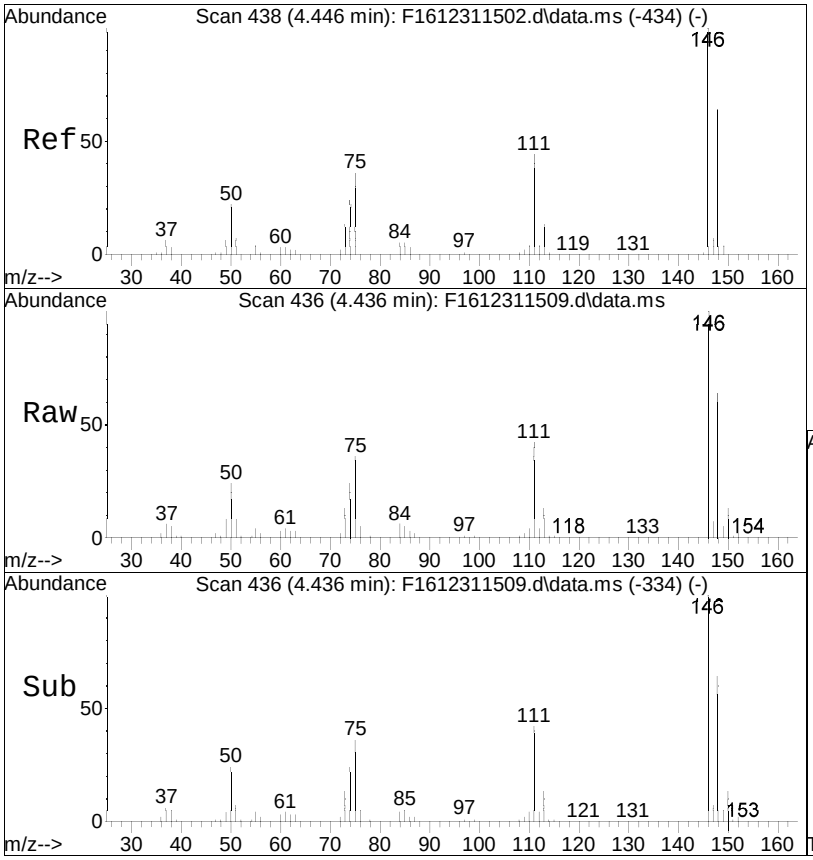


#11
1,3-Dichlorobenzene
Concen: 3.89 ug/mL
RT: 4.369 min Scan# 422
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:146 Resp: 271139

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.2	76.8
113	14.1	10.6	16.0

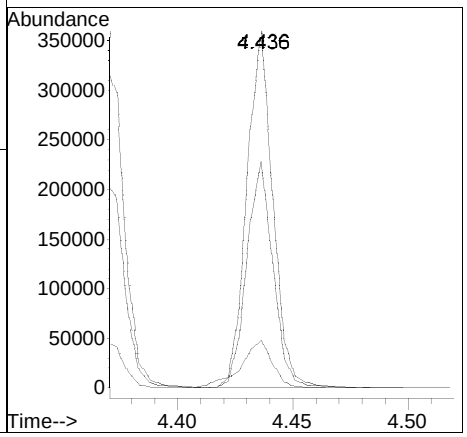


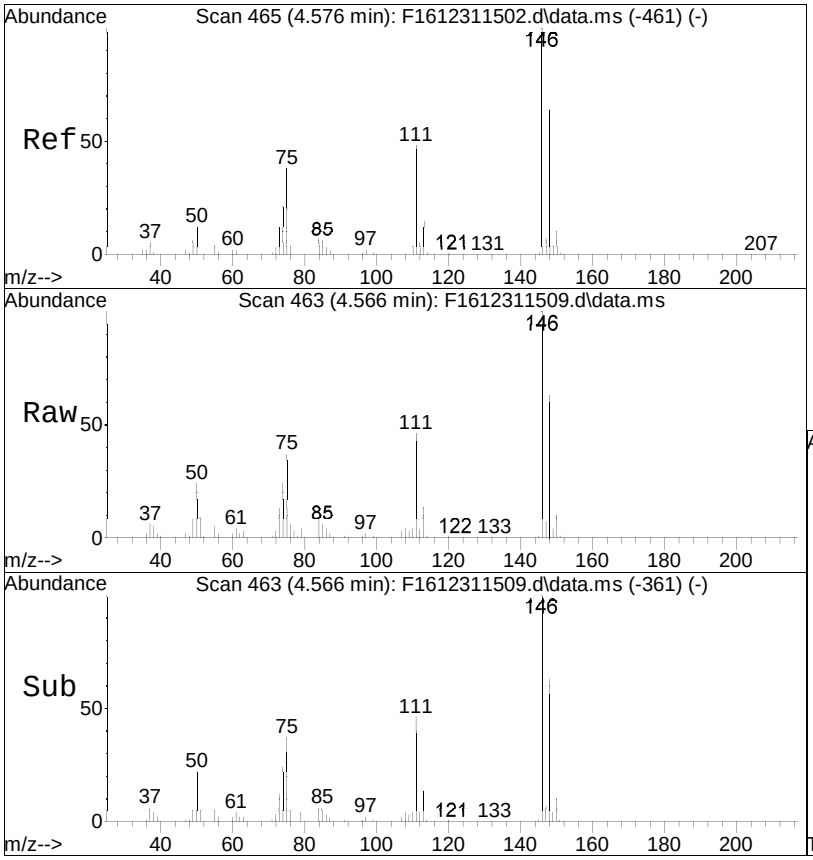


#12
1,4-Dichlorobenzene
Concen: 4.05 ug/mL M4
RT: 4.436 min Scan# 436
Delta R.T. -0.010 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:146 Resp: 284379

Ion	Ratio	Lower	Upper
146	100		
148	61.3	50.6	76.0
113	13.4	10.6	15.8

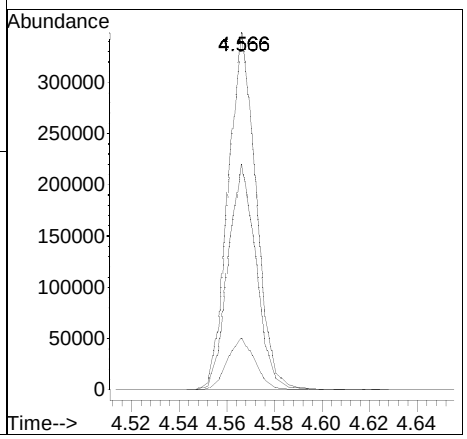


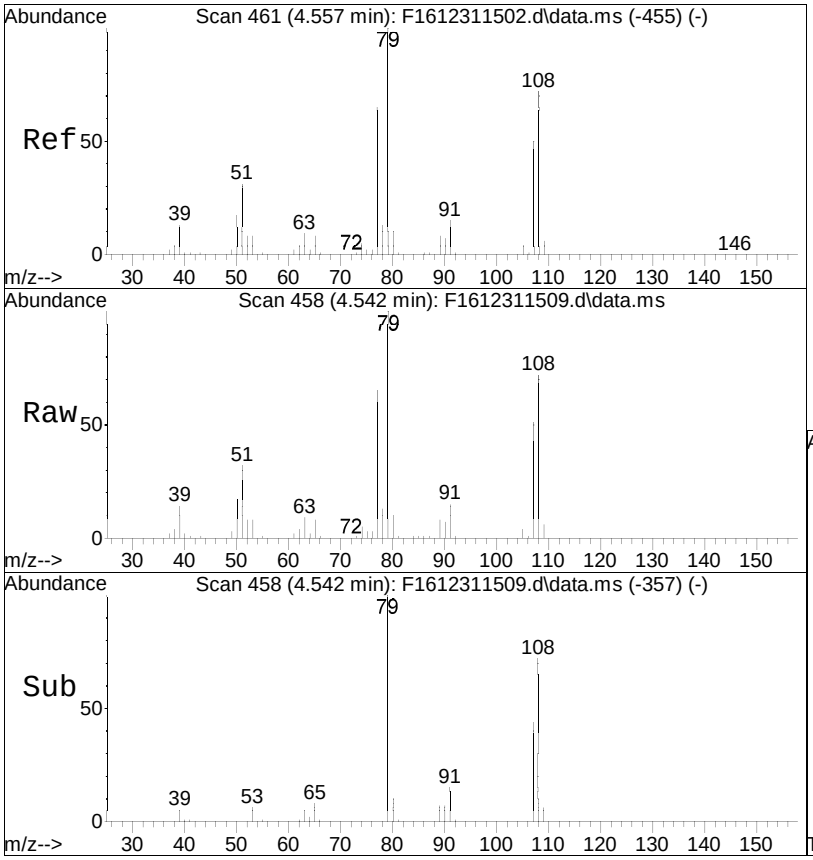


#13
1,2-Dichlorobenzene
Concen: 4.30 ug/mL
RT: 4.566 min Scan# 463
Delta R.T. -0.010 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:146 Resp: 283712

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.3	76.9
113	14.5	11.2	16.8

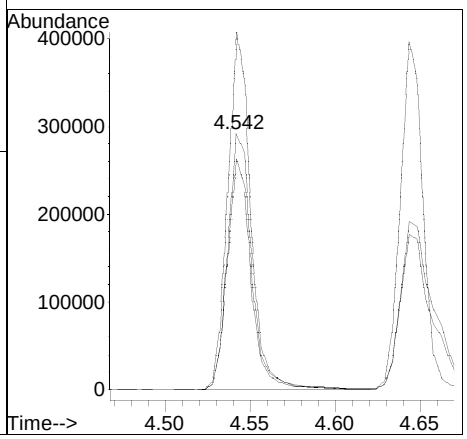


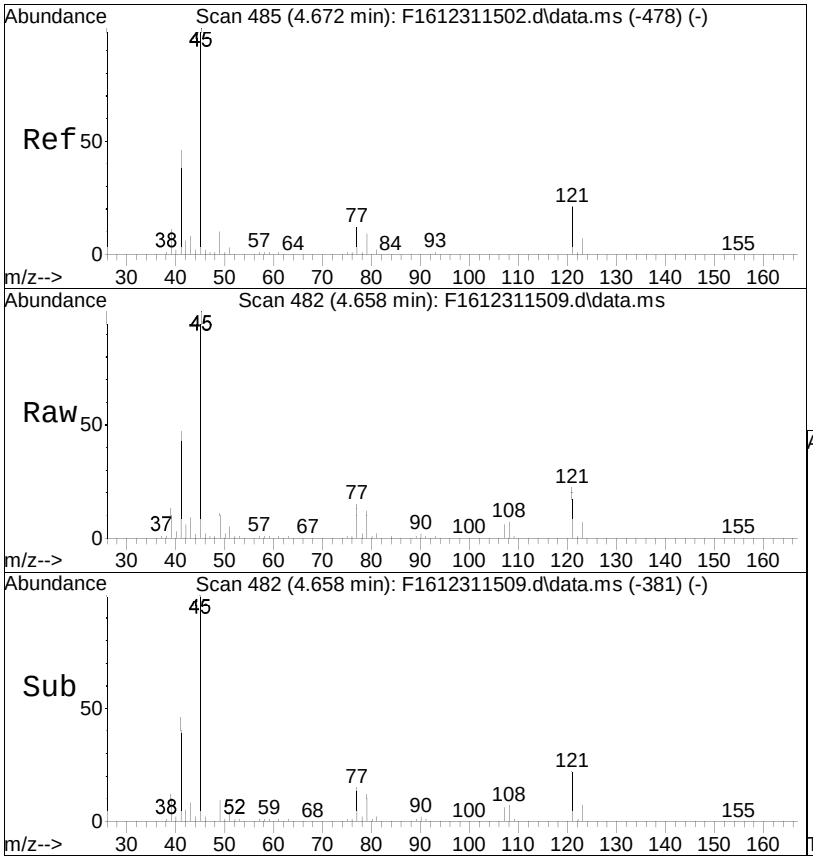


#14
Benzyl alcohol
Concen: 7.04 ug/mL
RT: 4.542 min Scan# 458
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:108 Resp: 289245

Ion	Ratio	Lower	Upper
108	100		
79	133.9	100.0	150.0
77	88.6	62.3	93.5

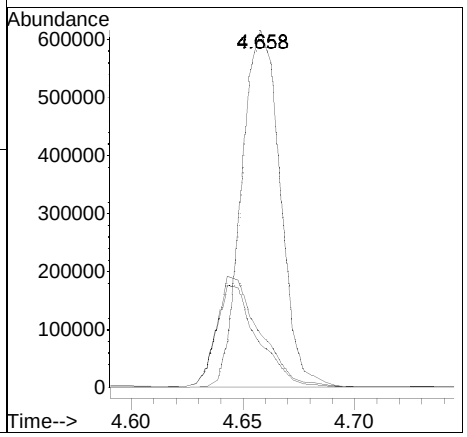


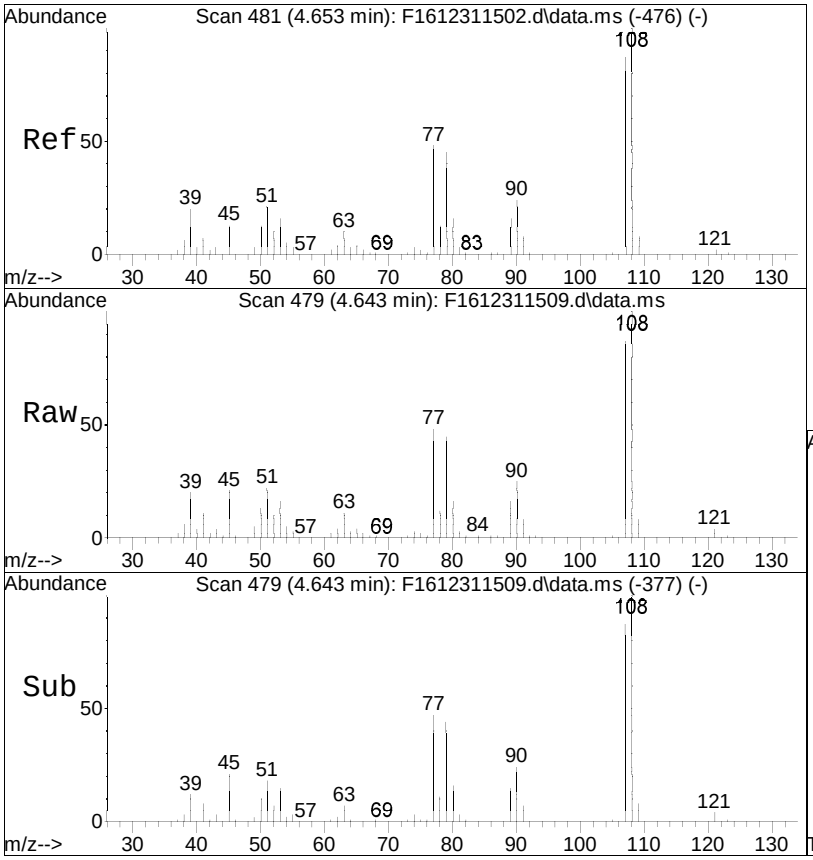


#15
bis(2-chloroisopropyl)ether
Concen: 7.69 ug/mL
RT: 4.658 min Scan# 482
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion: 45 Resp: 735040

Ion	Ratio	Lower	Upper
45	100		
77	34.8	11.8	17.6#
79	30.8	9.4	14.0#

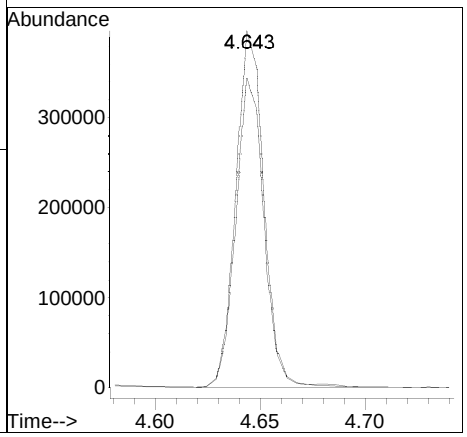


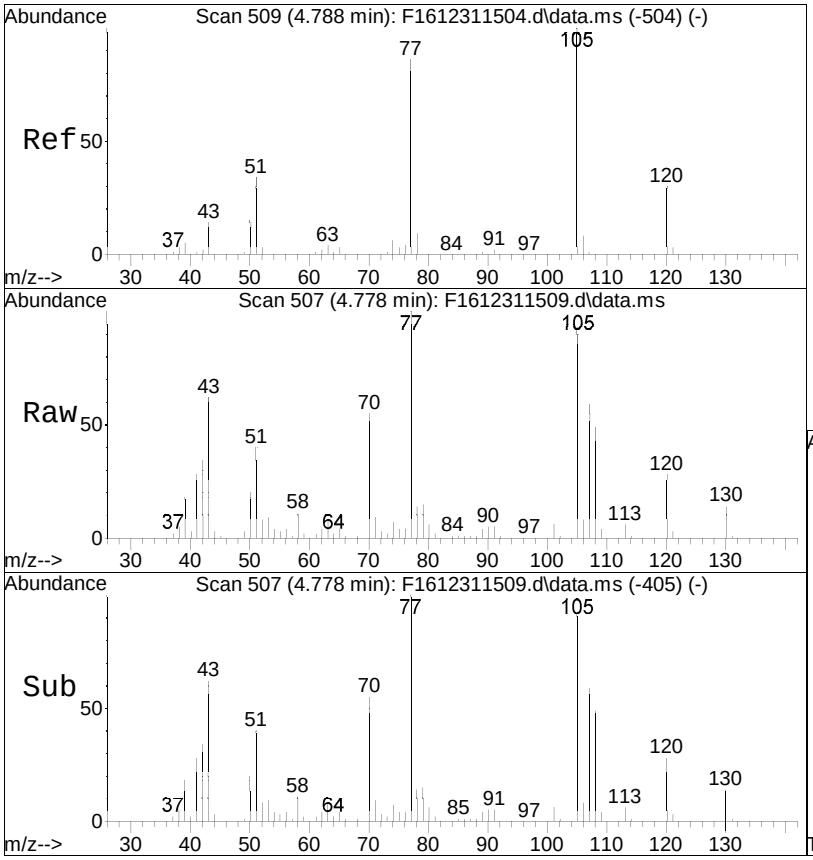


#16
2-Methylphenol
Concen: 6.43 ug/mL
RT: 4.643 min Scan# 479
Delta R.T. -0.010 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:108 Resp: 365931

Ion	Ratio	Lower	Upper
108	100		
107	86.4	68.4	102.6

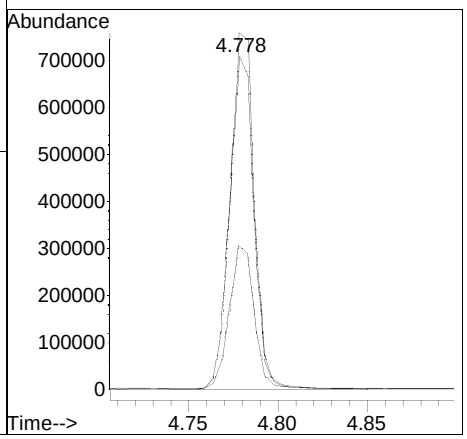


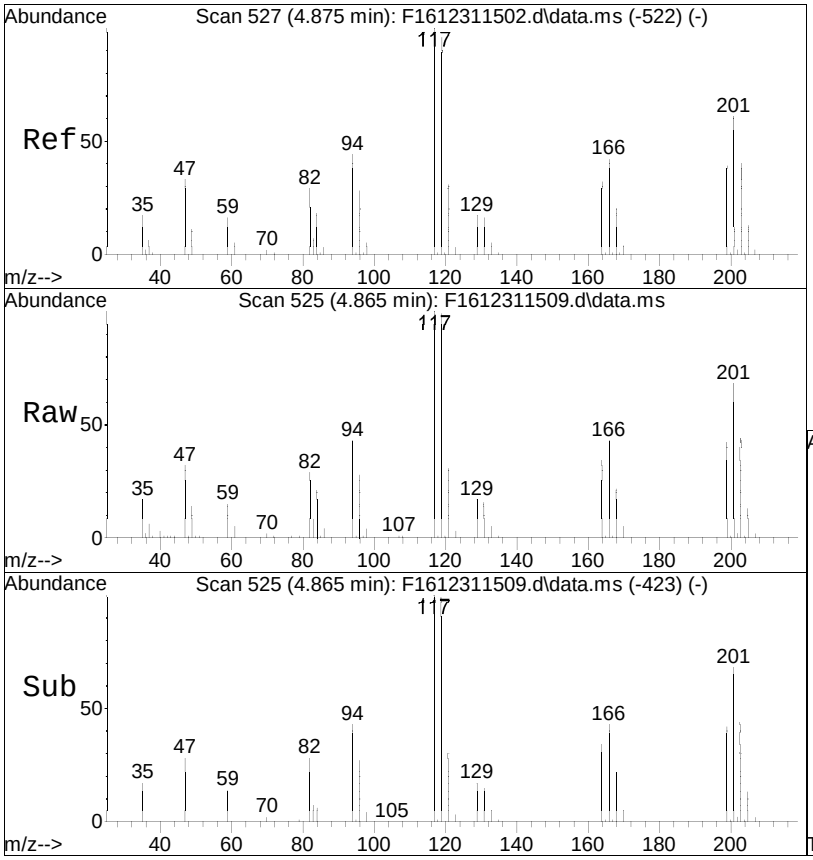


#17
Acetophenone
Concen: 8.99 ug/ml
RT: 4.778 min Scan# 507
Delta R.T. -0.010 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:105 Resp: 665110

Ion	Ratio	Lower	Upper
105	100		
77	107.9	68.6	103.0#
51	43.9	29.0	43.4#

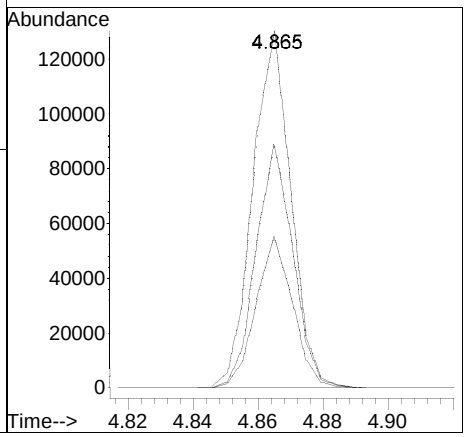


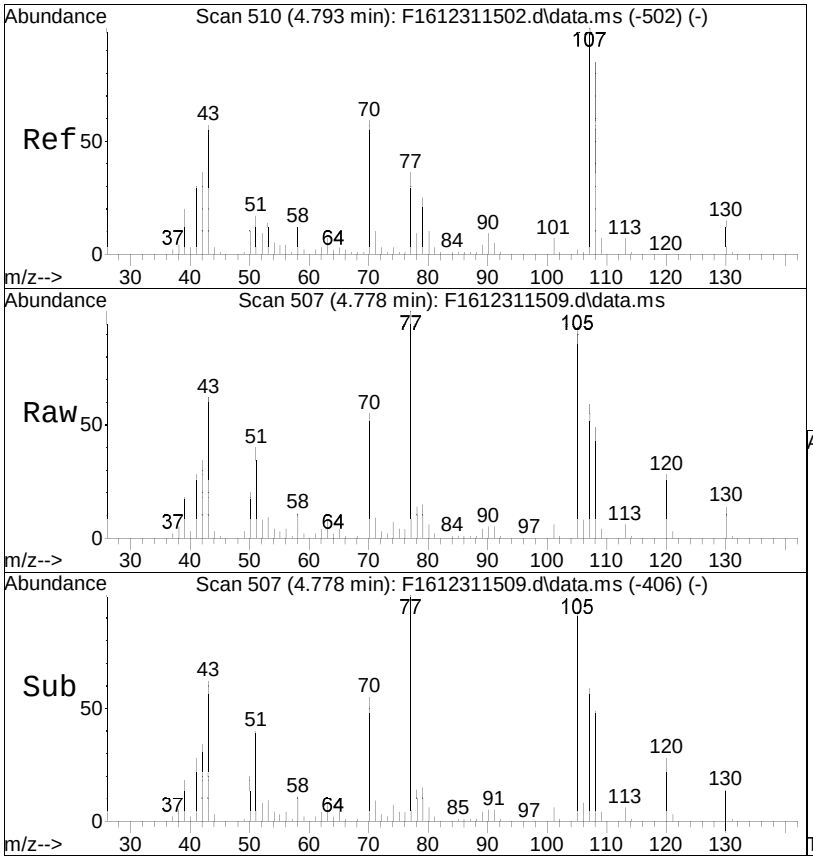


#18
Hexachloroethane
Concen: 3.59 ug/mL
RT: 4.865 min Scan# 525
Delta R.T. -0.010 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:117 Resp: 105649

Ion	Ratio	Lower	Upper
117	100		
201	66.3	67.9	101.9#
199	41.0	42.2	63.4#

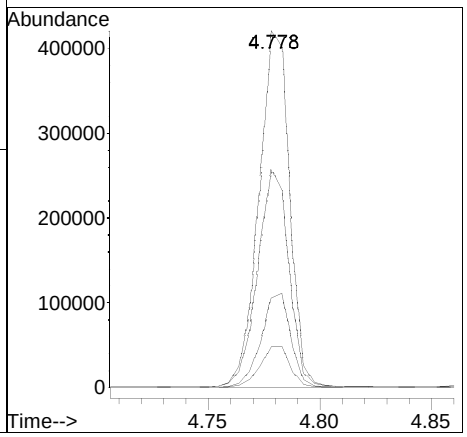


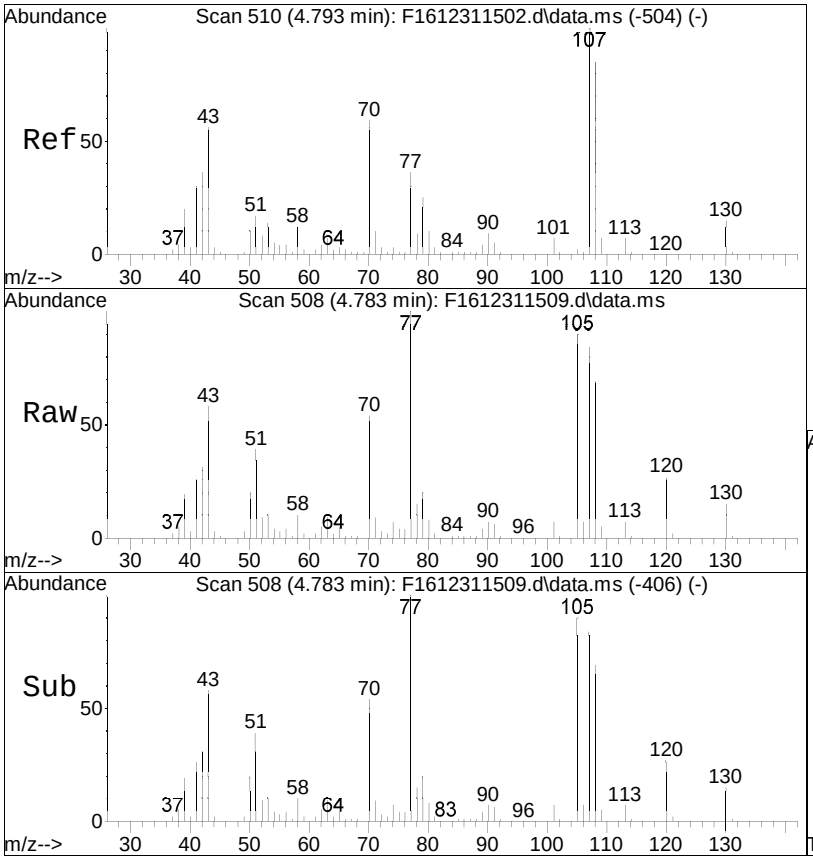


#19
N-Nitroso-di-n-propylamine
Concen: 8.12 ug/mL
RT: 4.778 min Scan# 507
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion: 70 Resp: 399254

Ion	Ratio	Lower	Upper
70	100		
42	62.3	39.6	59.4#
130	25.7	23.7	35.5
101	11.5	9.5	14.3

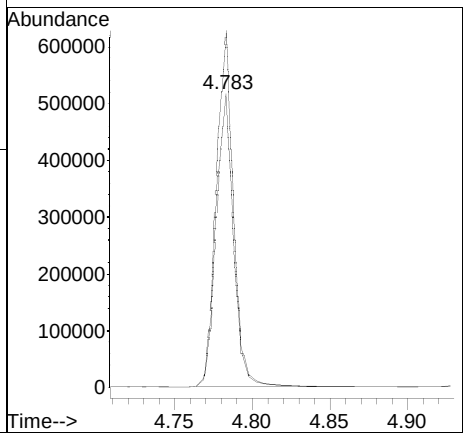


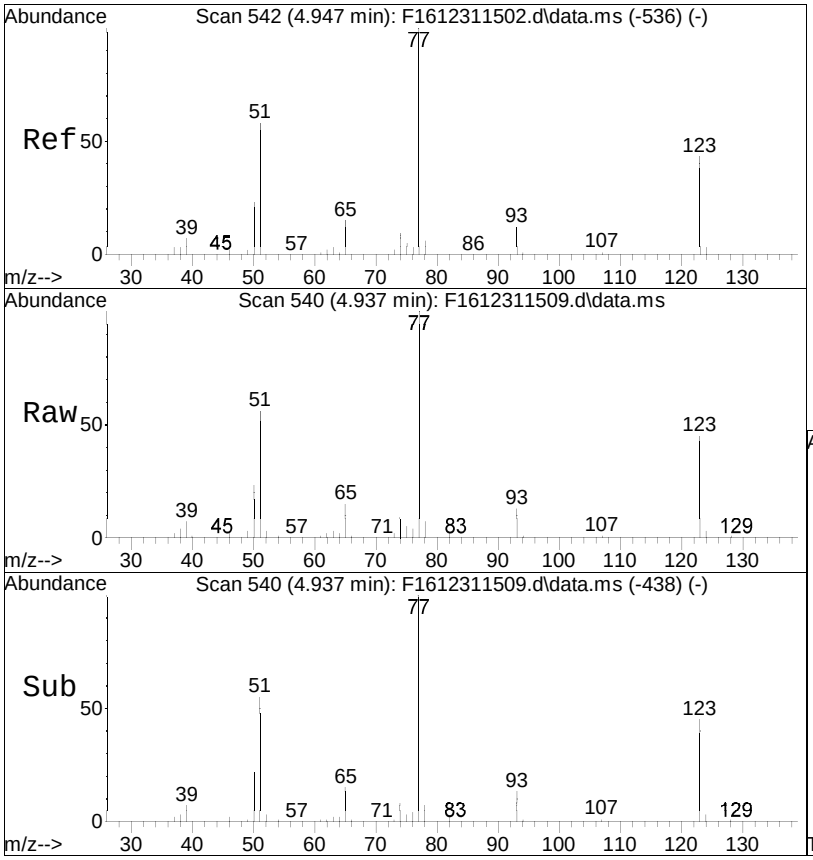


#20
4-Methylphenol
Concen: 6.40 ug/mL
RT: 4.783 min Scan# 508
Delta R.T. -0.010 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:108 Resp: 396575

Ion	Ratio	Lower	Upper
108	100		
107	119.7	95.8	143.8

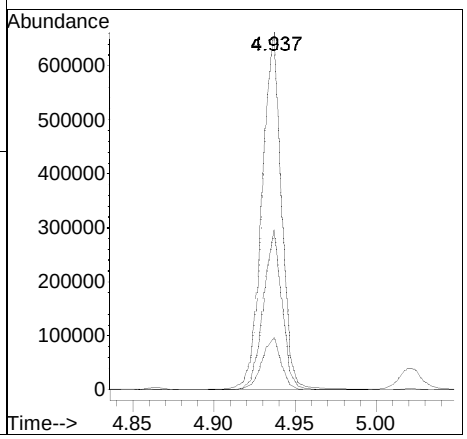


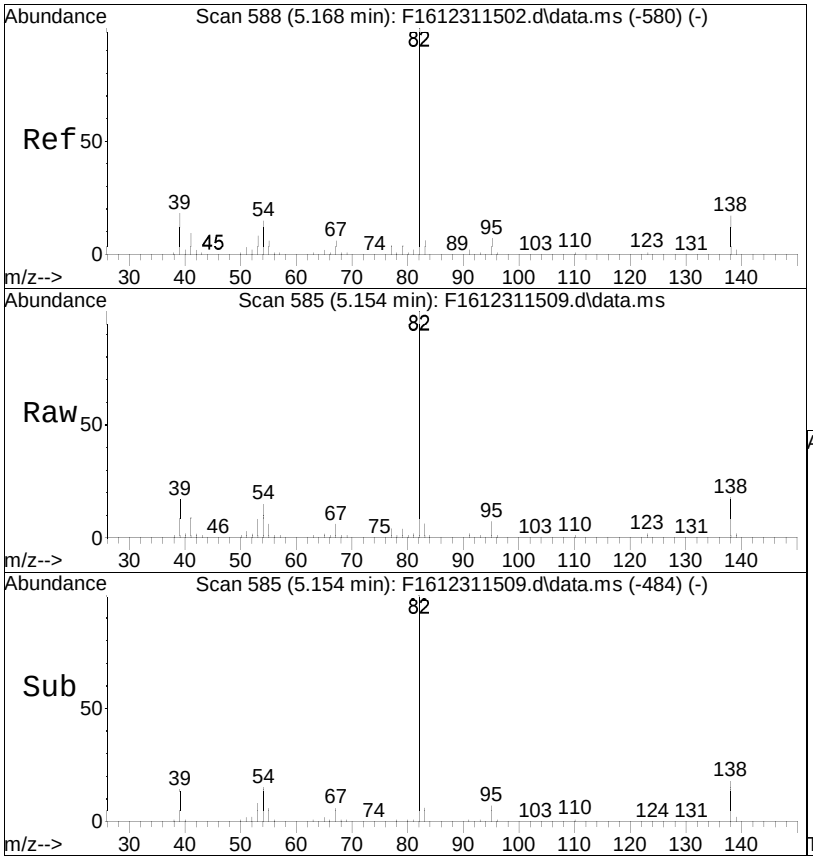


#23
Nitrobenzene
Concen: 7.41 ug/mL
RT: 4.937 min Scan# 540
Delta R.T. -0.010 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion: 77 Resp: 538746

Ion	Ratio	Lower	Upper
77	100		
123	43.4	38.3	57.5
65	14.9	10.6	15.8

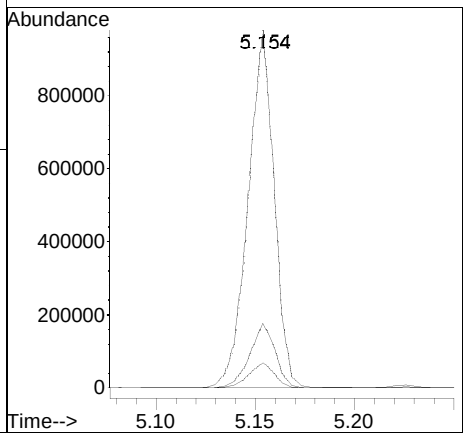


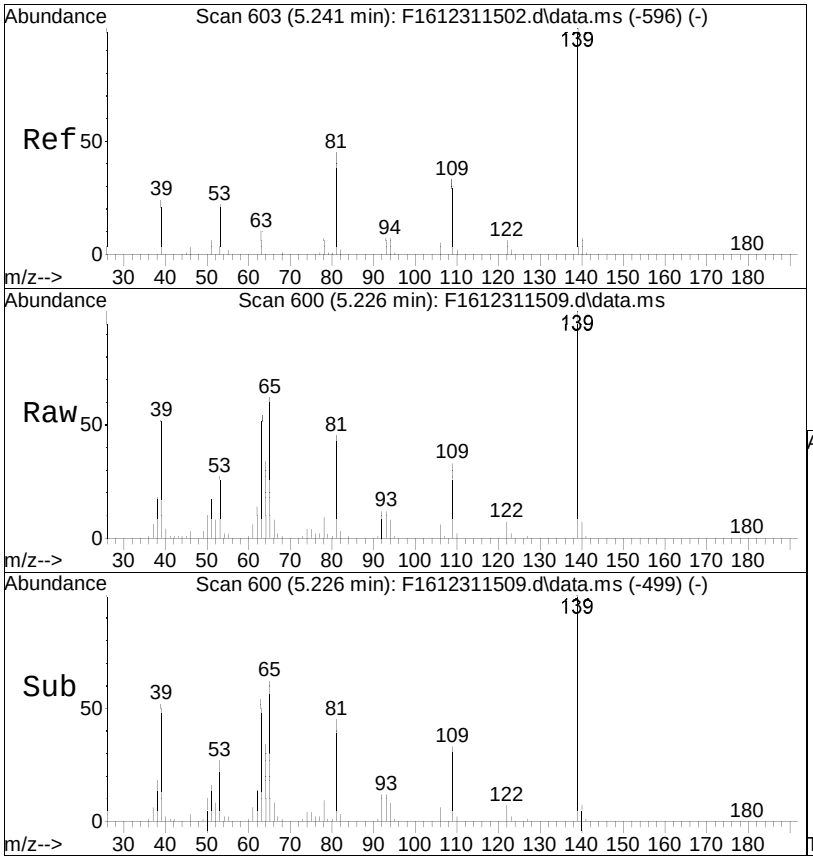


#24
Isophorone
Concen: 8.16 ug/mL
RT: 5.154 min Scan# 585
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion: 82 Resp: 880950

Ion	Ratio	Lower	Upper
82	100		
138	17.8	15.7	23.5
95	7.0	5.6	8.4

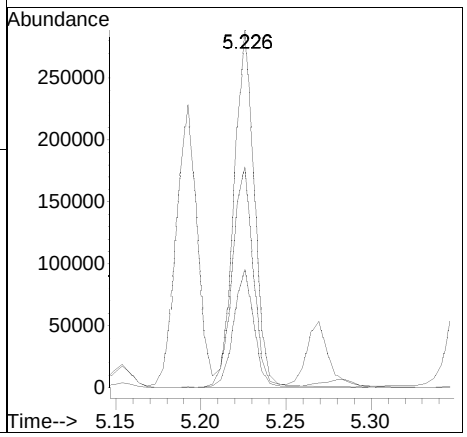


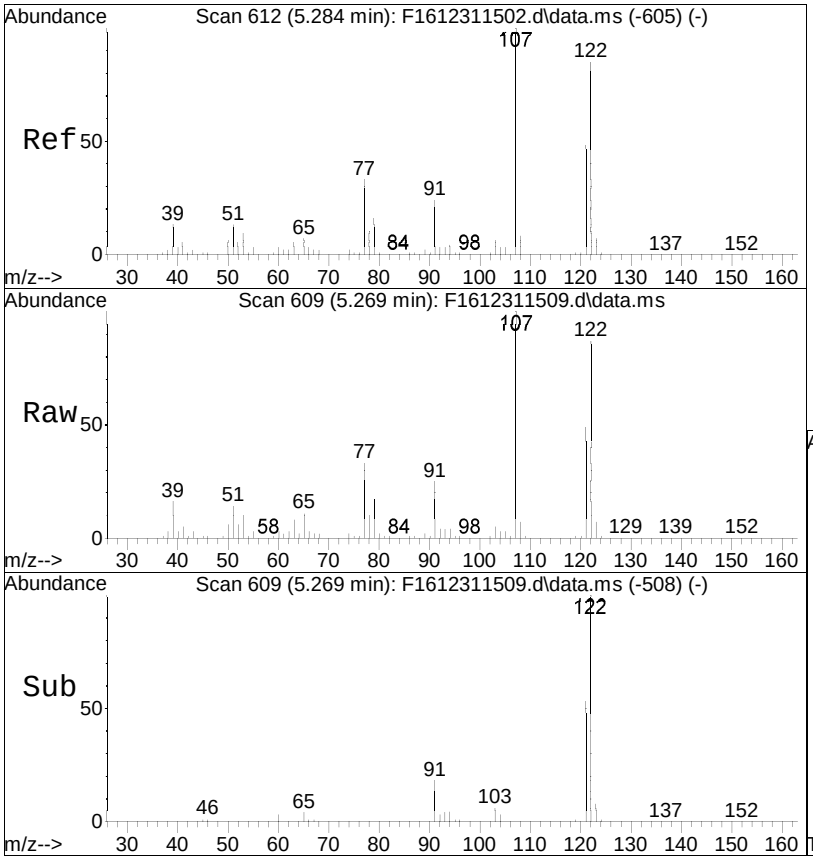


#25
2-Nitrophenol
Concen: 7.14 ug/mL
RT: 5.226 min Scan# 600
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:139 Resp: 241331

Ion	Ratio	Lower	Upper
139	100		
65	60.7	37.4	56.2#
109	32.9	22.3	33.5

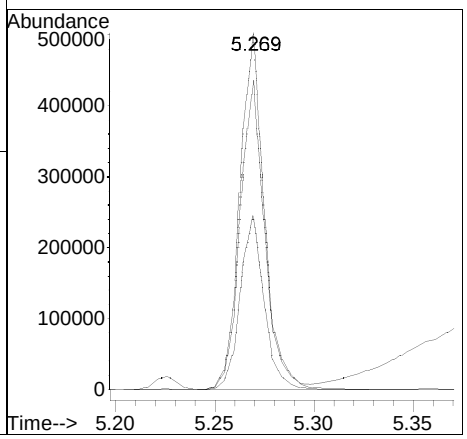


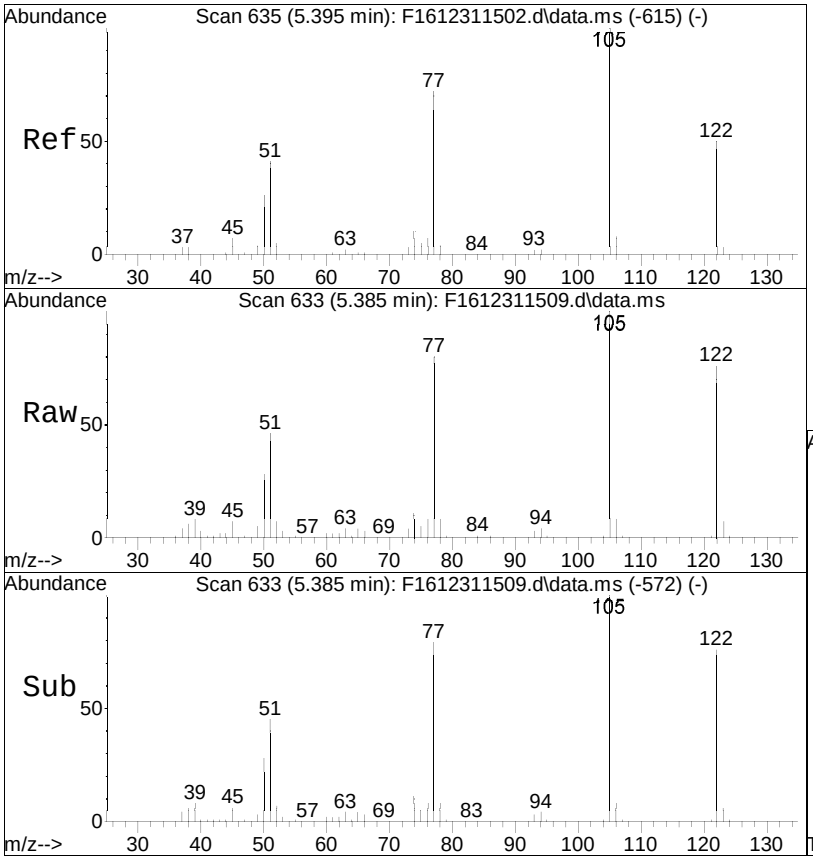


#26
2,4-Dimethylphenol
Concen: 8.34 ug/mL
RT: 5.269 min Scan# 609
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:107 Resp: 431729

Ion	Ratio	Lower	Upper
107	100		
122	86.6	71.4	107.0
121	48.0	40.1	60.1

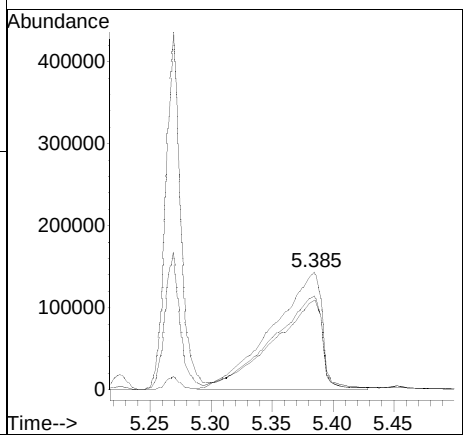


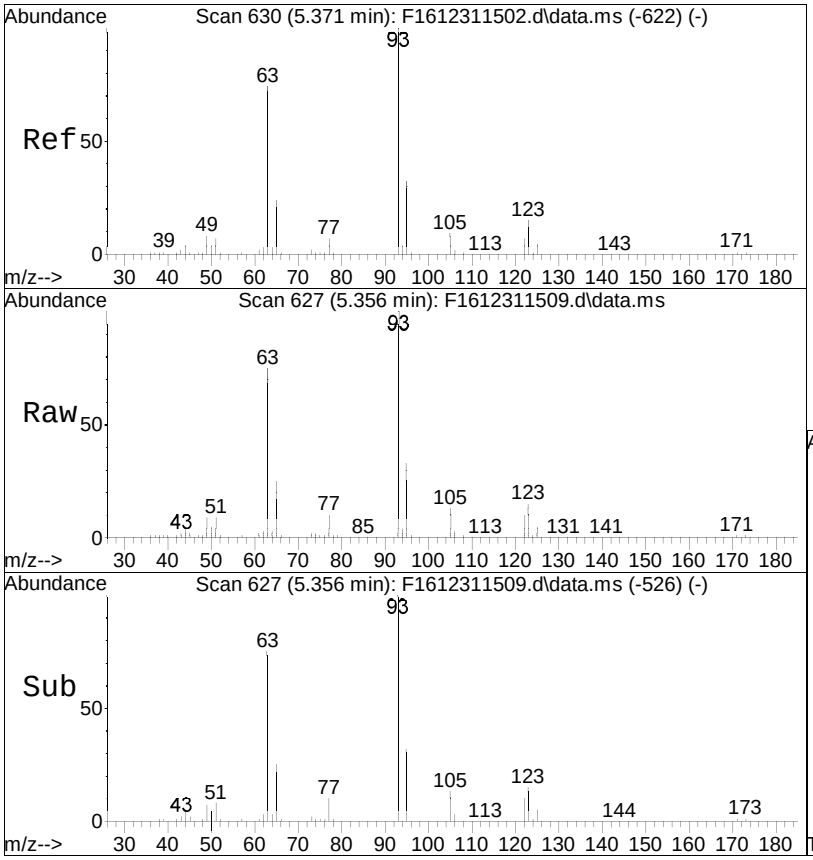


#27
Benzoic acid
Concen: 9.29 ug/mL M4
RT: 5.385 min Scan# 633
Delta R.T. -0.010 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:105 Resp: 411644

Ion	Ratio	Lower	Upper
105	100		
122	73.3	62.7	94.1
77	76.8	56.9	85.3

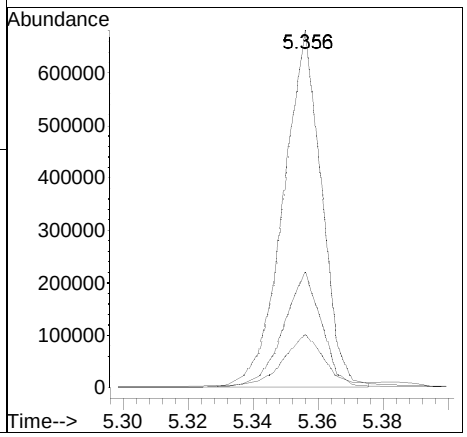


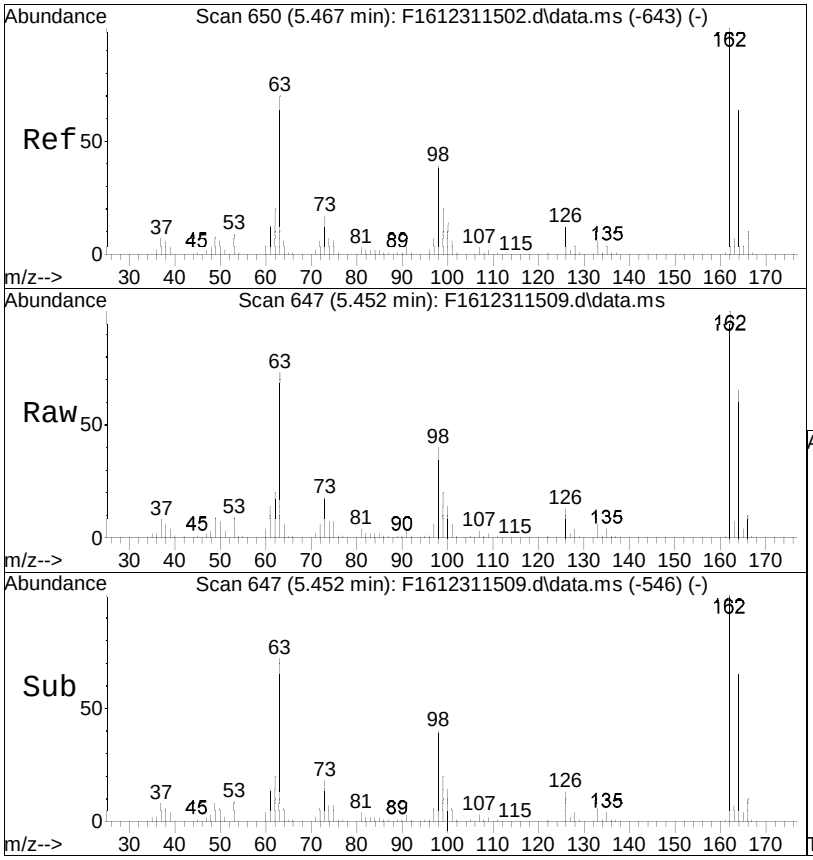


#28
bis(2-Chloroethoxy)methane
Concen: 7.68 ug/mL
RT: 5.356 min Scan# 627
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion: 93 Resp: 556632

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.9	38.9
123	17.1	13.1	19.7

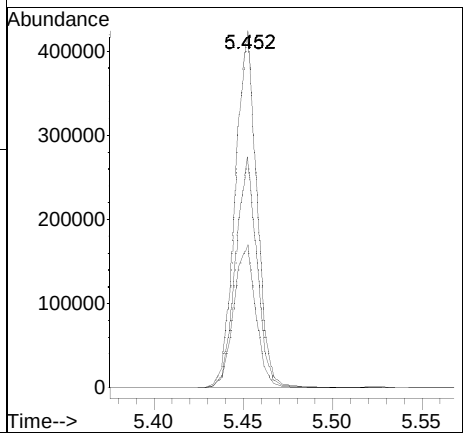


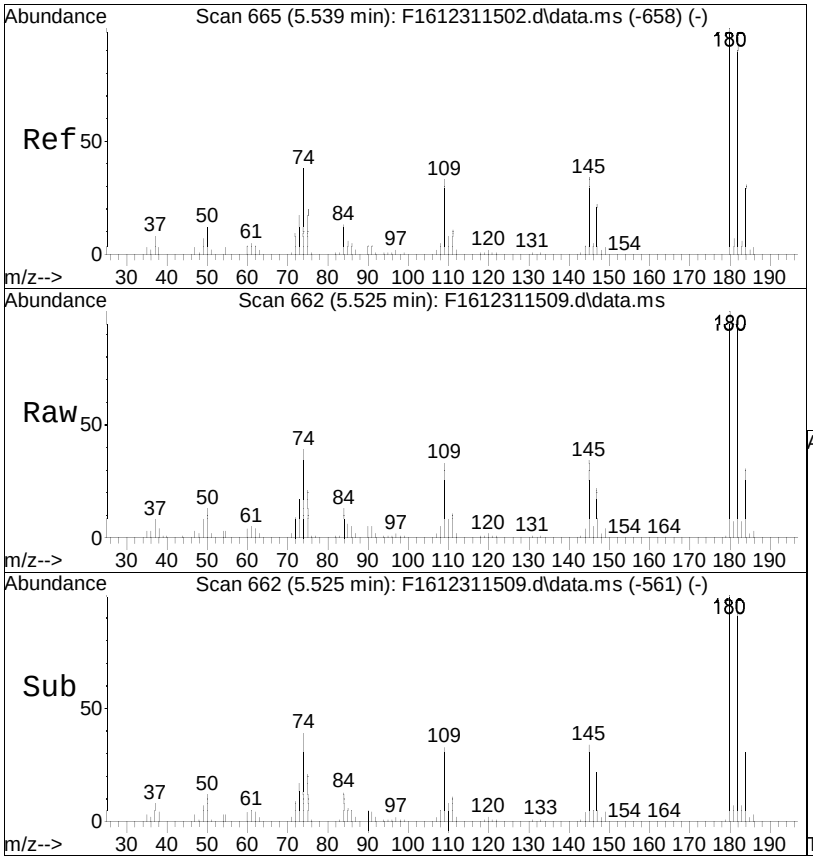


#29
2,4-Dichlorophenol
Concen: 7.51 ug/mL
RT: 5.452 min Scan# 647
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:162 Resp: 354720

Ion	Ratio	Lower	Upper
162	100		
164	64.1	51.2	76.8
98	41.2	27.8	41.8

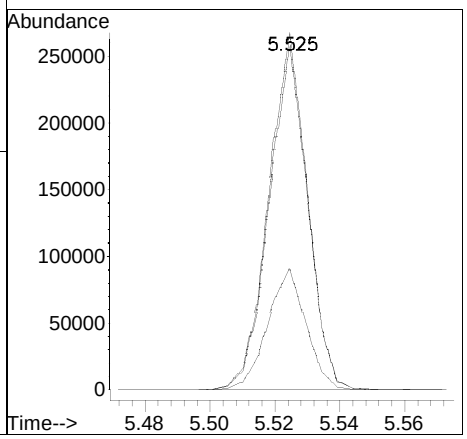


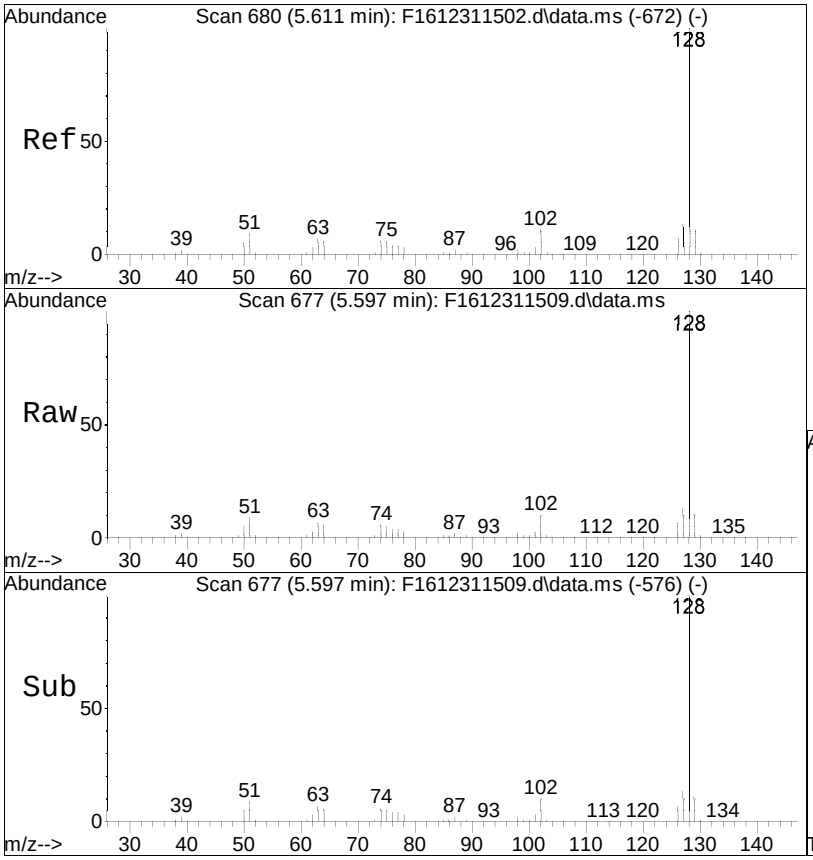


#30
1,2,4-Trichlorobenzene
Concen: 4.36 ug/mL
RT: 5.525 min Scan# 662
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:180 Resp: 219453

Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.6	113.4
145	34.0	24.6	37.0

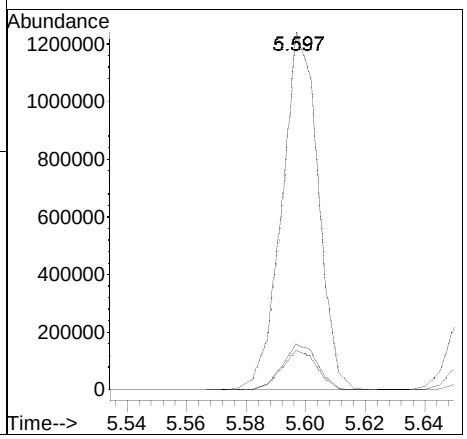


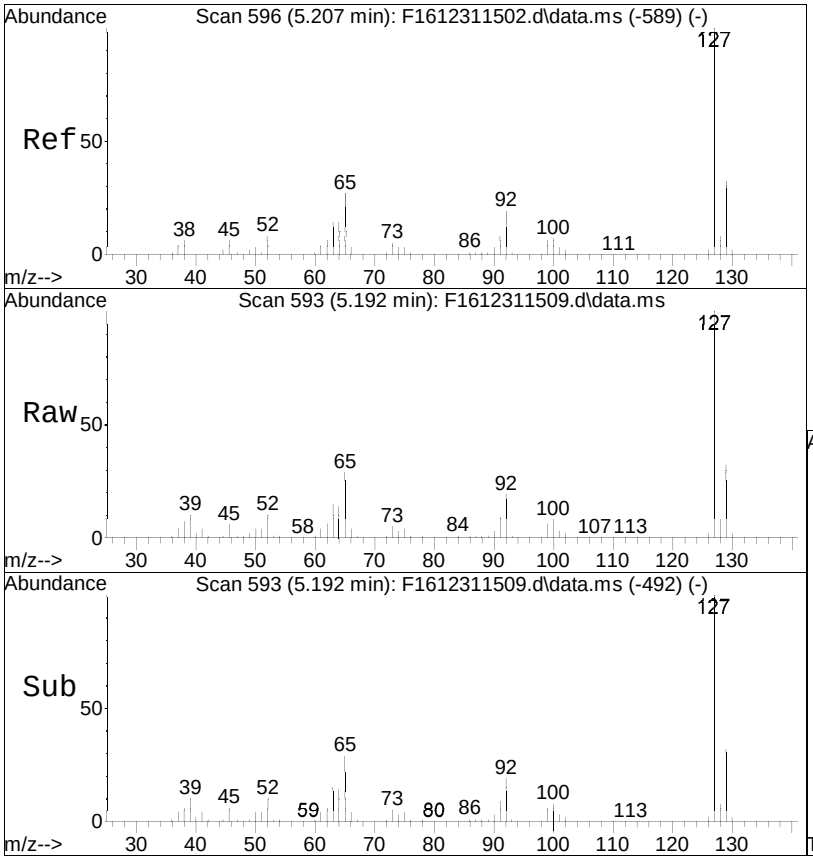


#31
Naphthalene
Concen: 5.63 ug/mL
RT: 5.597 min Scan# 677
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:128 Resp: 1042486

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	12.7	10.2	15.4

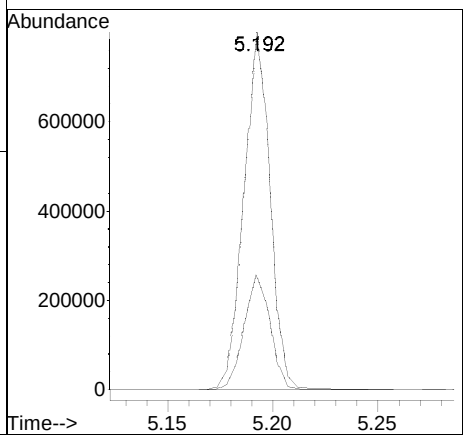


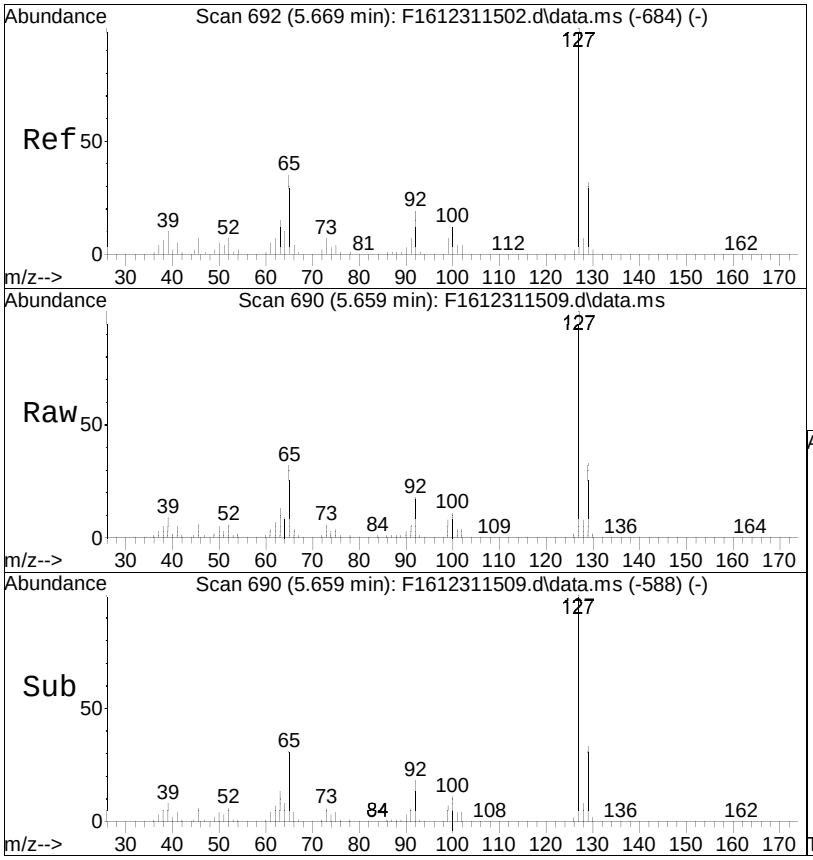


#32
2-Chloroaniline
Concen: 7.17 ug/ml
RT: 5.192 min Scan# 593
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:127 Resp: 687665

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.8	38.6

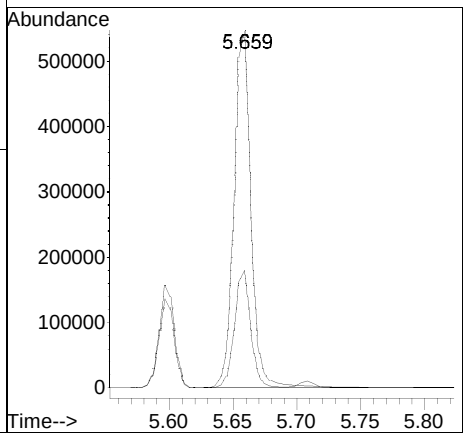


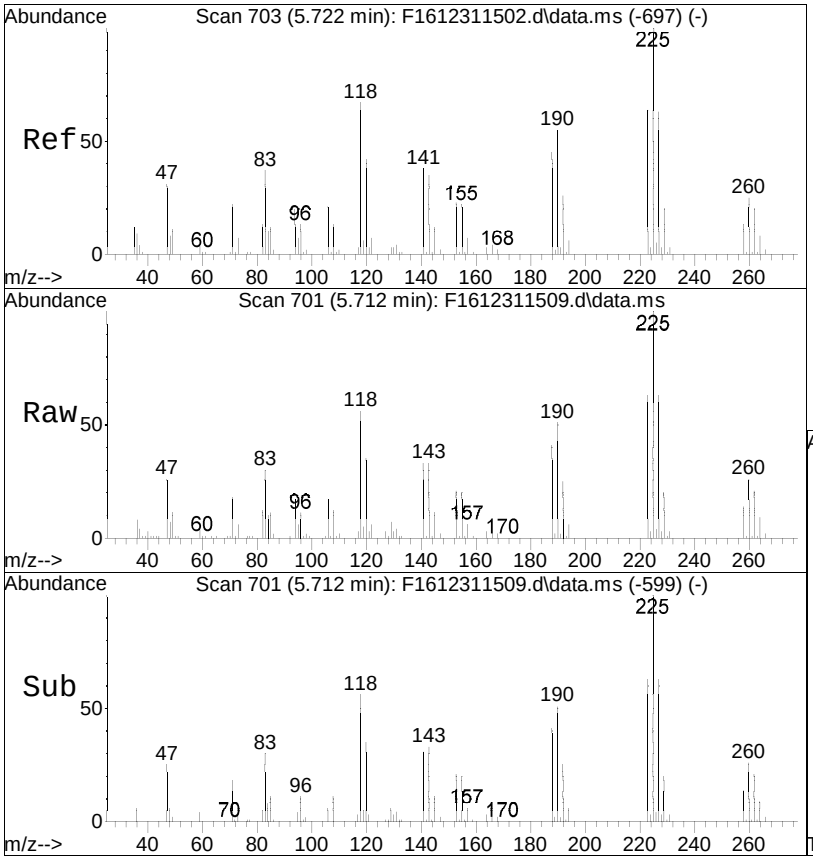


#33
4-Chloroaniline
Concen: 6.67 ug/mL
RT: 5.659 min Scan# 690
Delta R.T. -0.010 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:127 Resp: 500805

Ion	Ratio	Lower	Upper
127	100		
129	31.8	275.7	413.5#

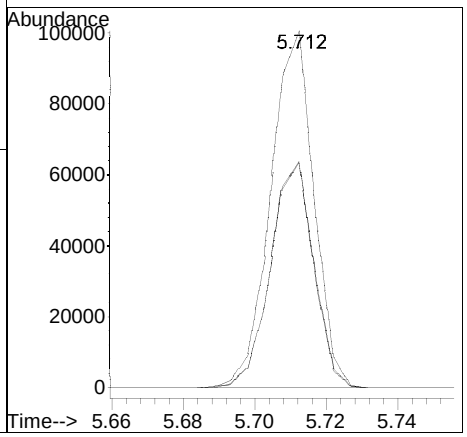


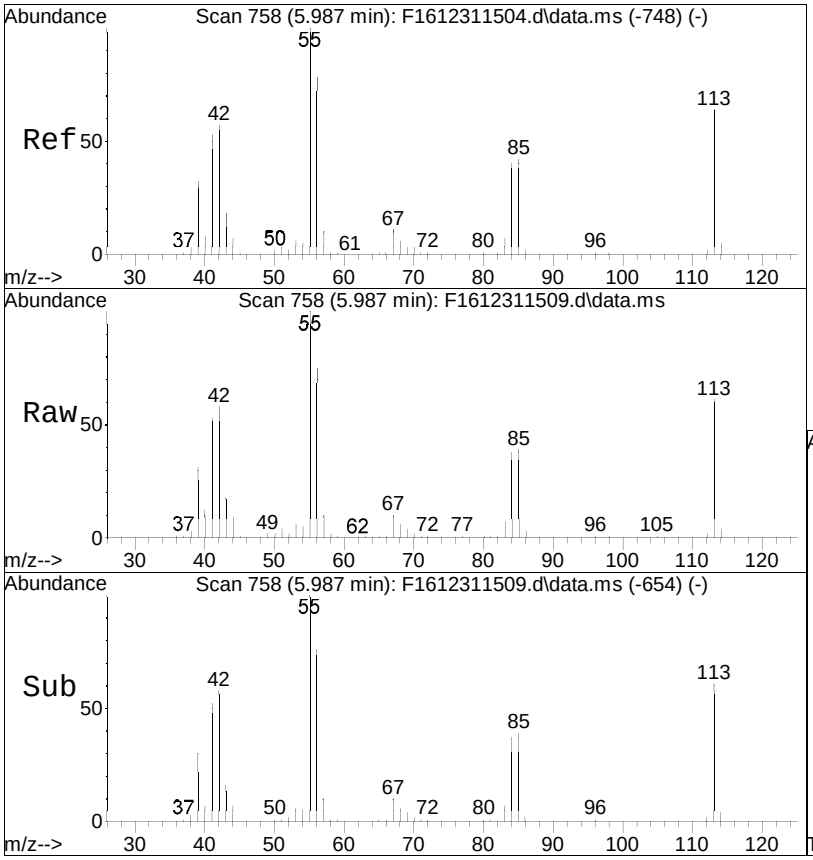


#34
Hexachlorobutadiene
Concen: 3.33 ug/mL
RT: 5.712 min Scan# 701
Delta R.T. -0.010 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:225 Resp: 84307

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.1	75.1
227	63.7	50.6	75.8

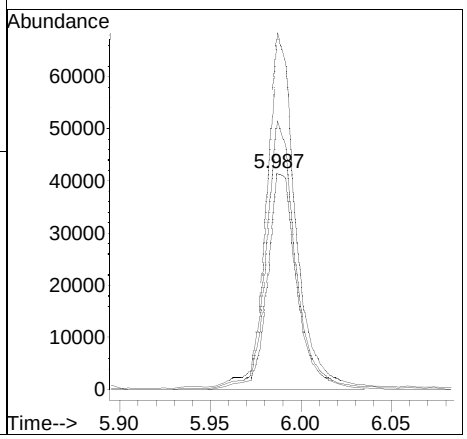


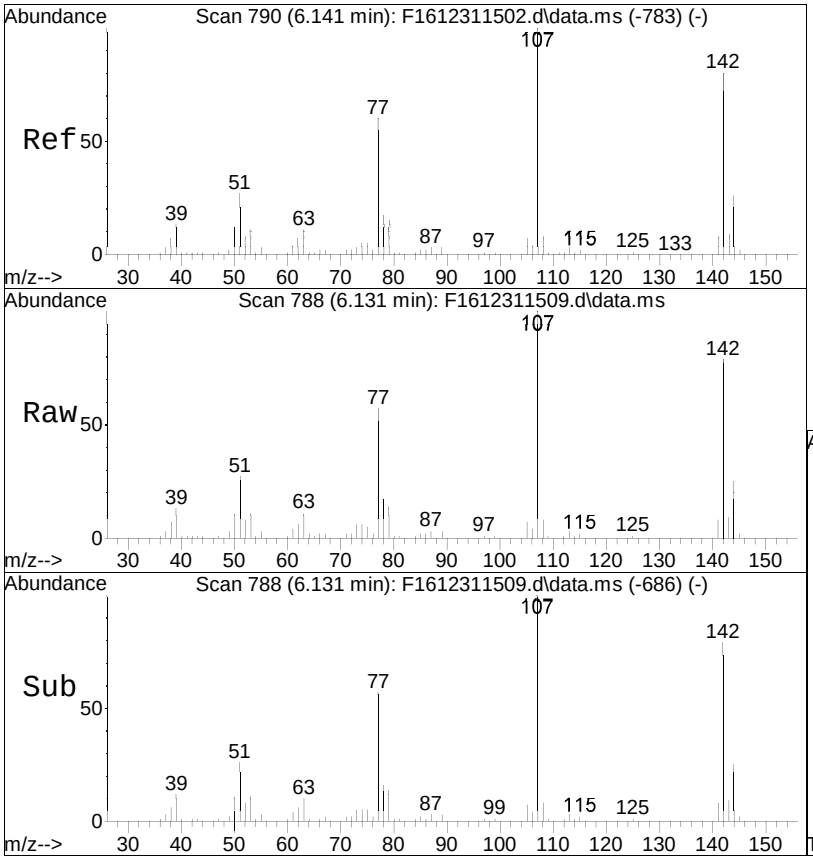


#35
Caprolactam
Concen: 2.78 ug/ml M4
RT: 5.987 min Scan# 758
Delta R.T. -0.000 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:113 Resp: 47069

Ion	Ratio	Lower	Upper
113	100		
55	154.7	125.3	187.9
56	117.0	96.2	144.2

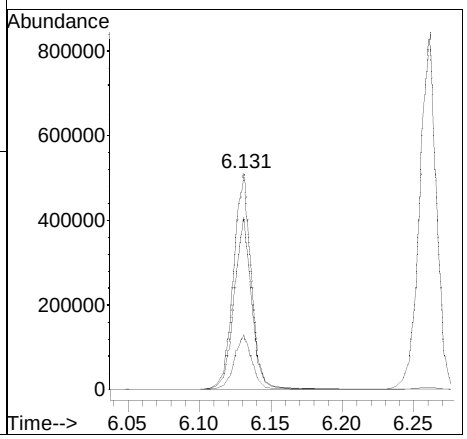


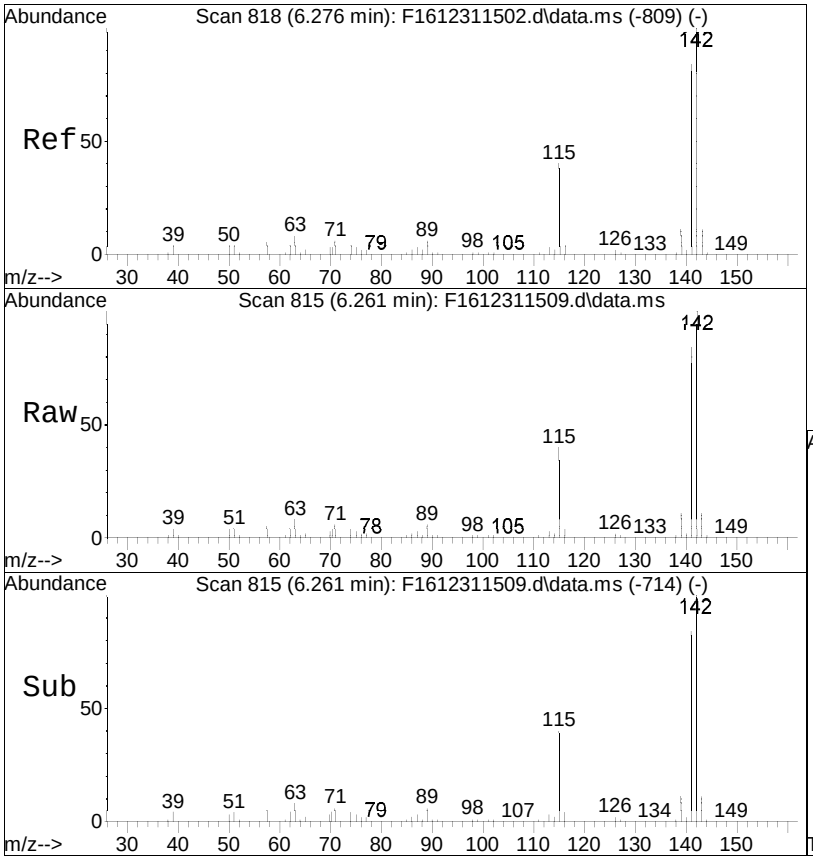


#36
4-Chloro-3-methylphenol
Concen: 8.09 ug/mL
RT: 6.131 min Scan# 788
Delta R.T. -0.010 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:107 Resp: 445140

Ion	Ratio	Lower	Upper
107	100		
144	25.1	20.7	31.1
142	77.7	65.4	98.0

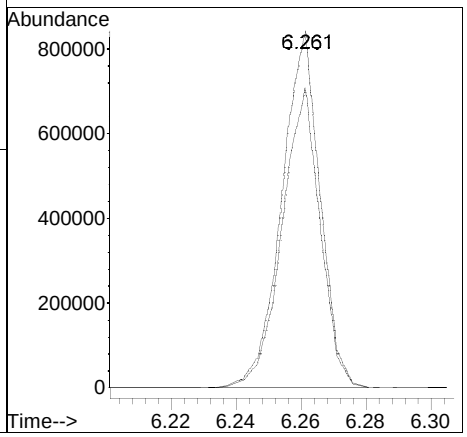


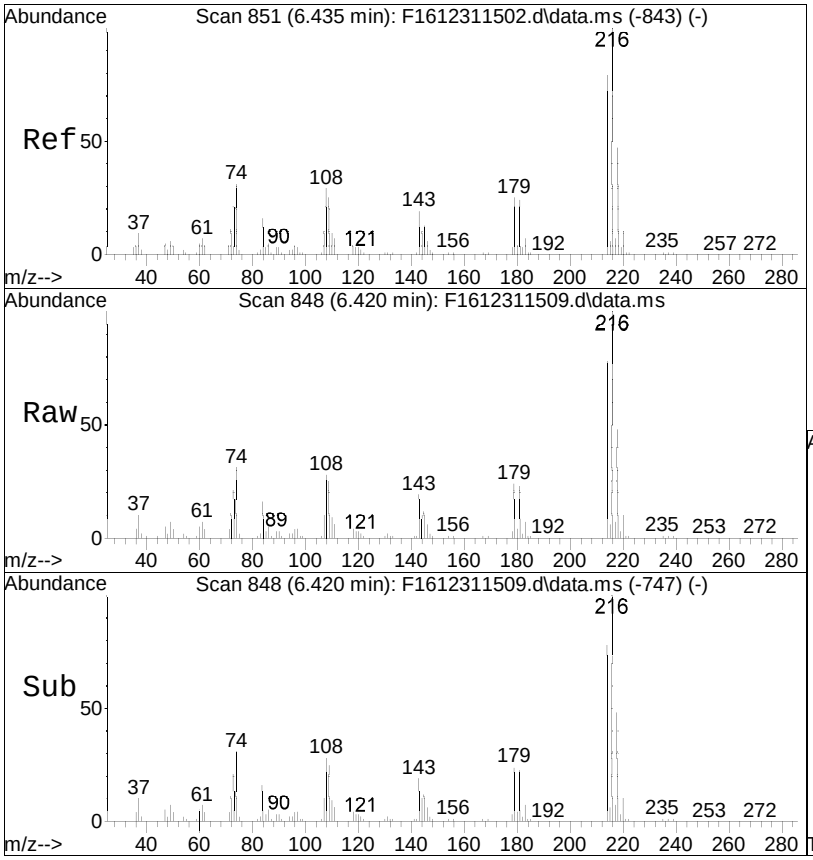


#37
2-Methylnaphthalene
Concen: 5.67 ug/mL
RT: 6.261 min Scan# 815
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:142 Resp: 682439

Ion	Ratio	Lower	Upper
142	100		
141	83.9	67.1	100.7

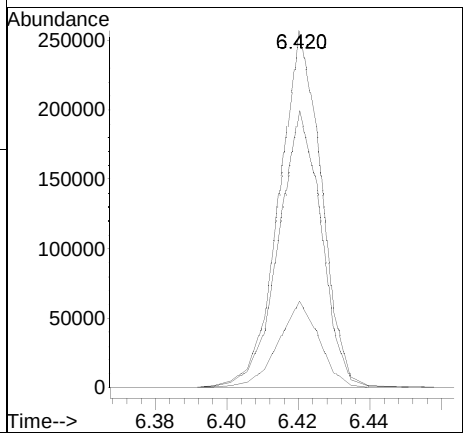


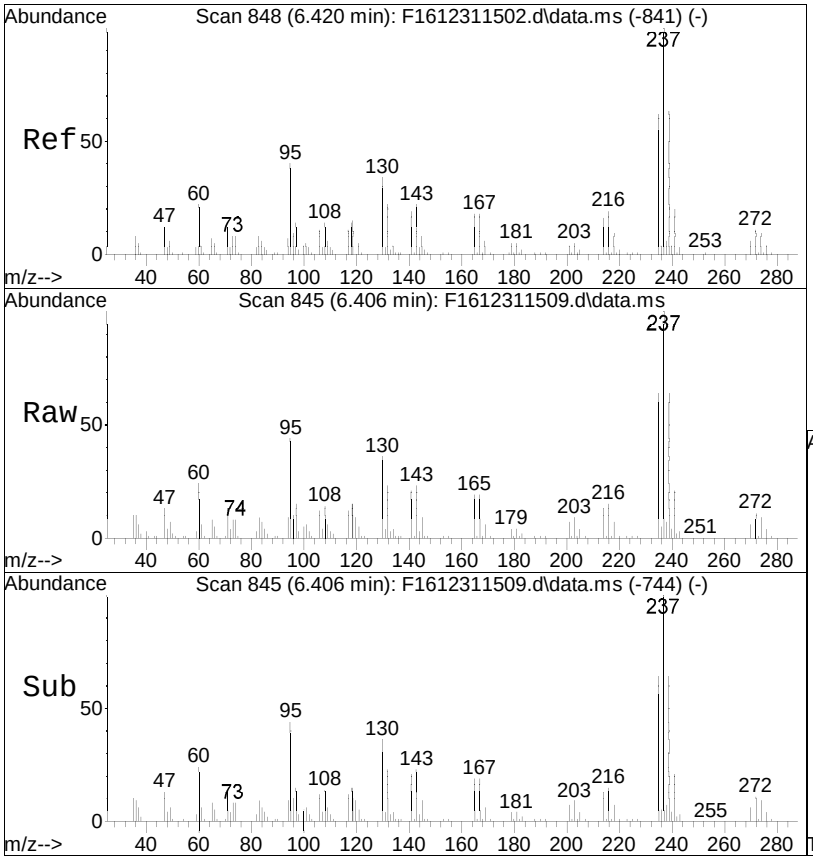


#39
1,2,4,5-Tetrachlorobenzene
Concen: 4.85 ug/mL
RT: 6.420 min Scan# 848
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:216 Resp: 211385

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.4	95.2
179	23.5	18.0	27.0

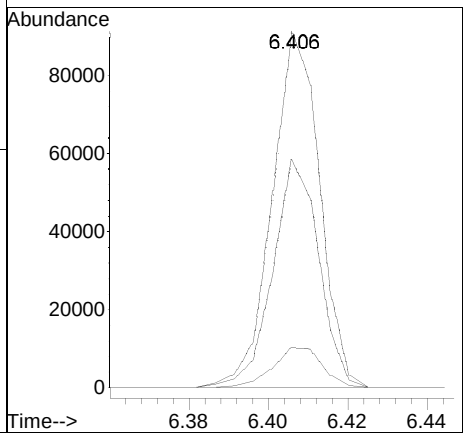


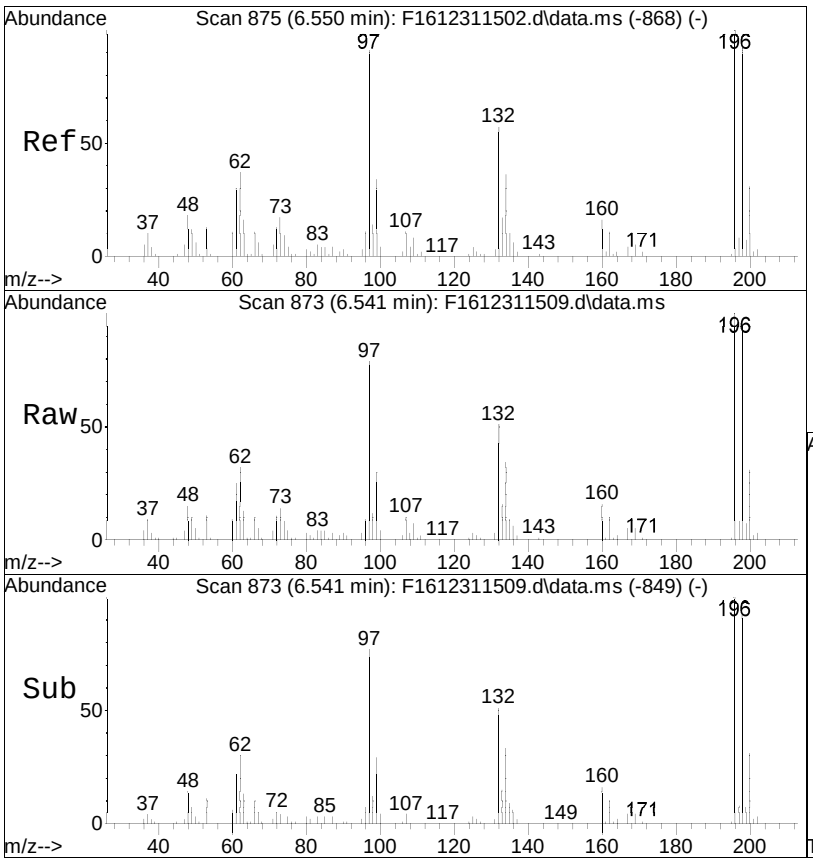


#40
Hexachlorocyclopentadiene
Concen: 4.08 ug/mL
RT: 6.406 min Scan# 845
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:237 Resp: 75450

Ion	Ratio	Lower	Upper
237	100		
235	62.4	50.2	75.4
272	11.8	9.8	14.6

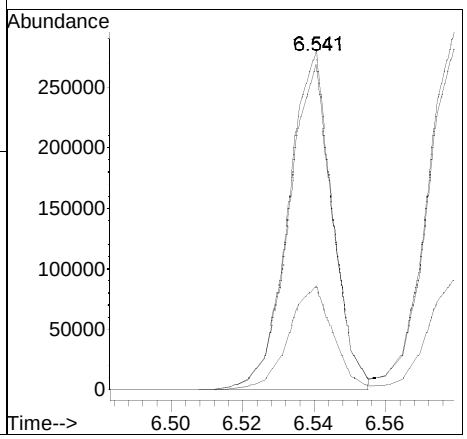


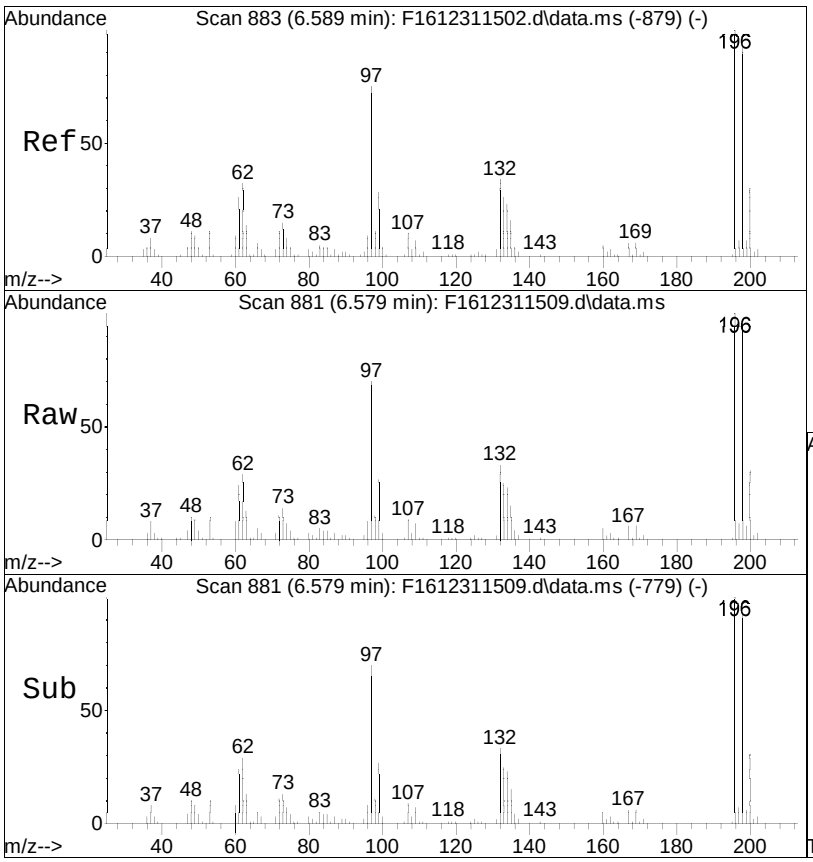


#41
2,4,6-Trichlorophenol
Concen: 7.86 ug/mL
RT: 6.541 min Scan# 873
Delta R.T. -0.010 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:196 Resp: 239939

Ion	Ratio	Lower	Upper
196	100		
198	95.8	75.7	113.5
200	30.8	24.1	36.1

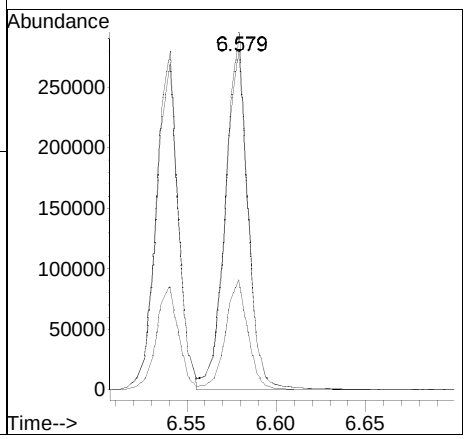


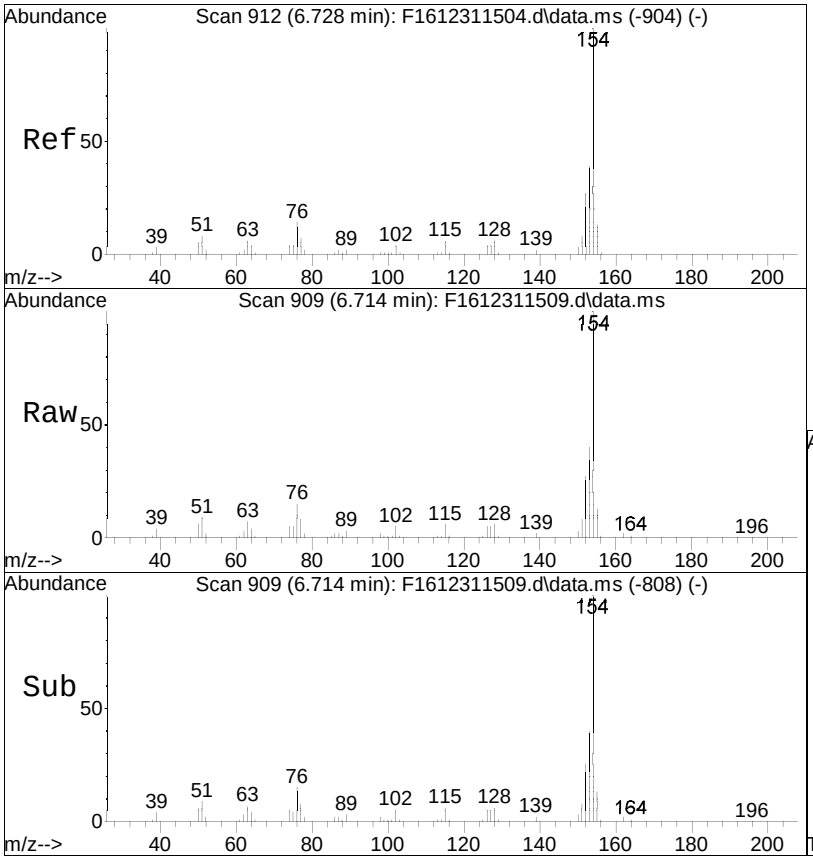


#42
2,4,5-Trichlorophenol
Concen: 8.12 ug/mL
RT: 6.579 min Scan# 881
Delta R.T. -0.010 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:196 Resp: 257194

Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.2	114.2
200	31.1	24.2	36.2

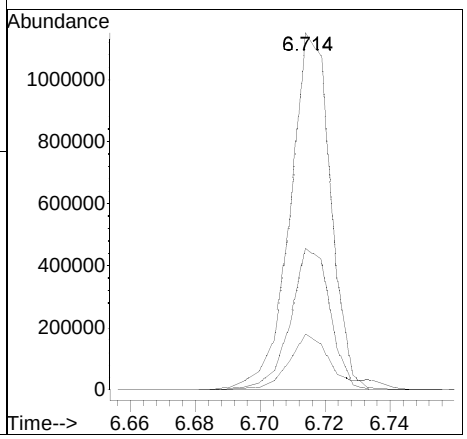


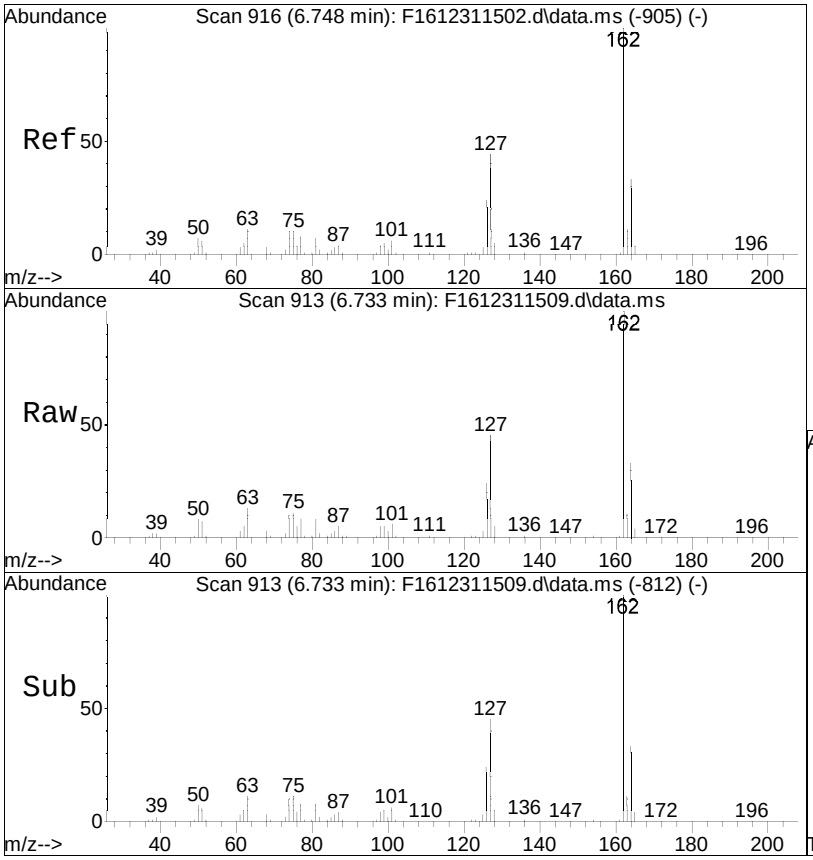


#44
Biphenyl
Concen: 7.85 ug/ml
RT: 6.714 min Scan# 909
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:154 Resp: 992510

Ion	Ratio	Lower	Upper
154	100		
153	39.2	31.3	46.9
76	15.9	12.4	18.6

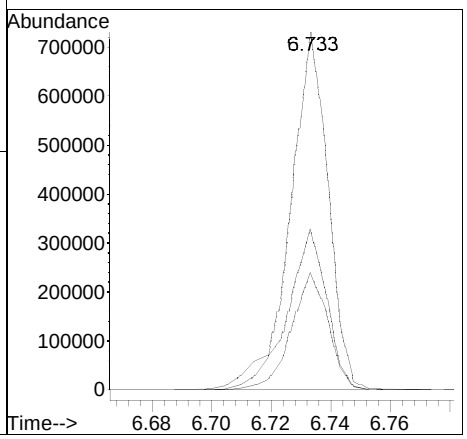


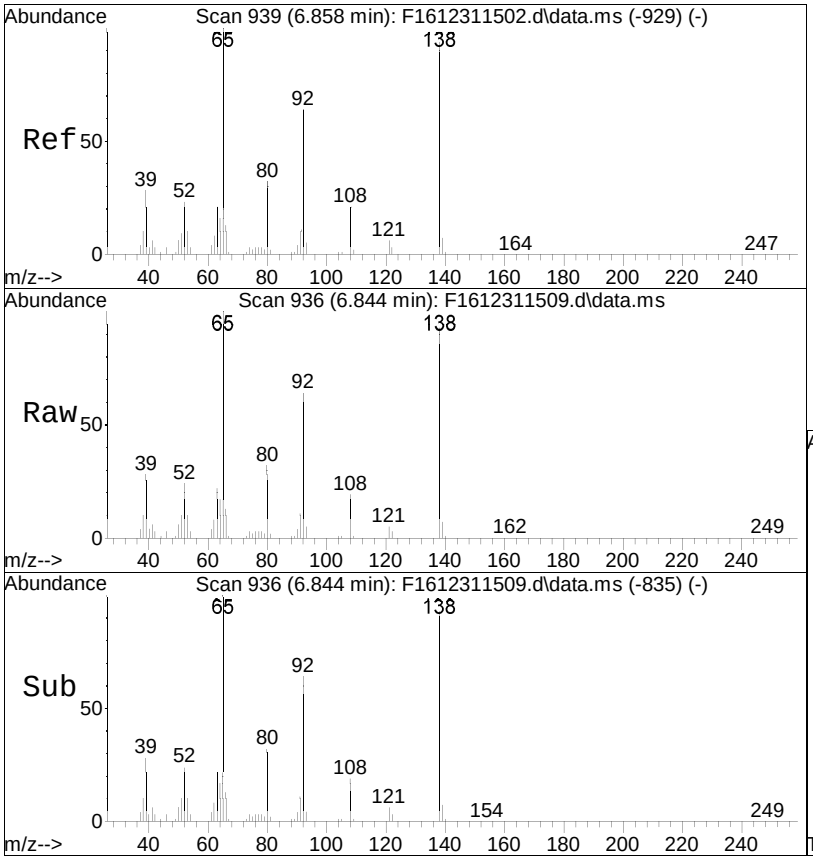


#45
2-Chloronaphthalene
Concen: 6.16 ug/mL
RT: 6.733 min Scan# 913
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:162 Resp: 627712

Ion	Ratio	Lower	Upper
162	100		
164	32.7	25.8	38.6
127	50.3	31.0	46.6#

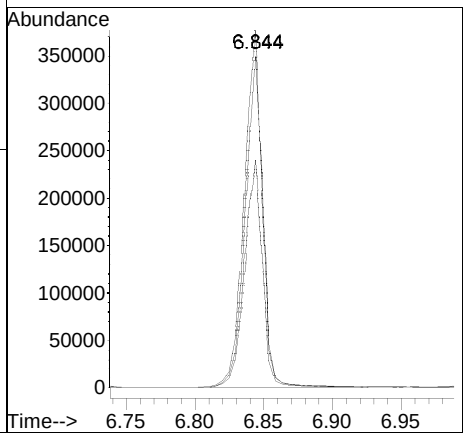


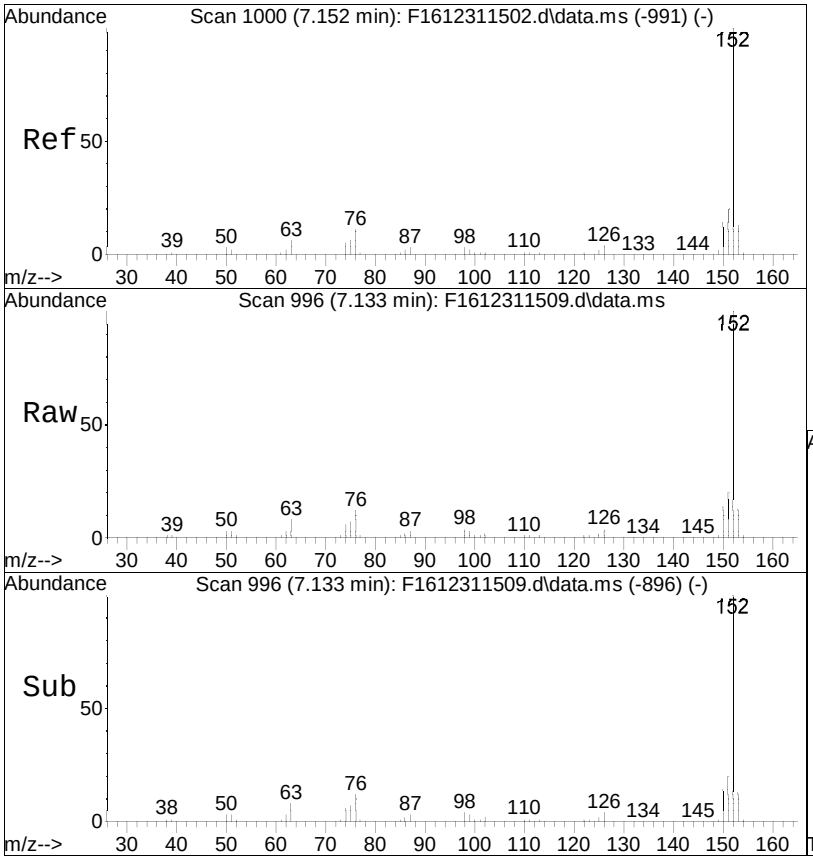


#46
2-Nitroaniline
Concen: 8.66 ug/mL
RT: 6.844 min Scan# 936
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion: 65 Resp: 337143

Ion	Ratio	Lower	Upper
65	100		
92	63.0	58.3	87.5
138	90.9	95.4	143.0#

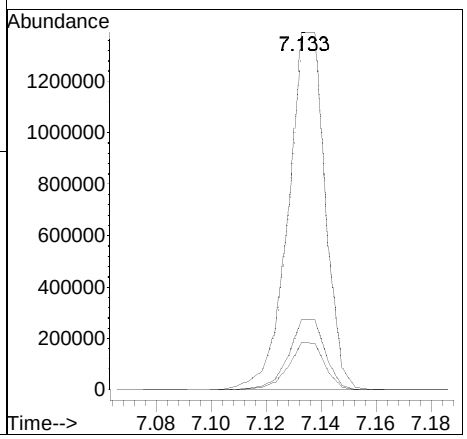


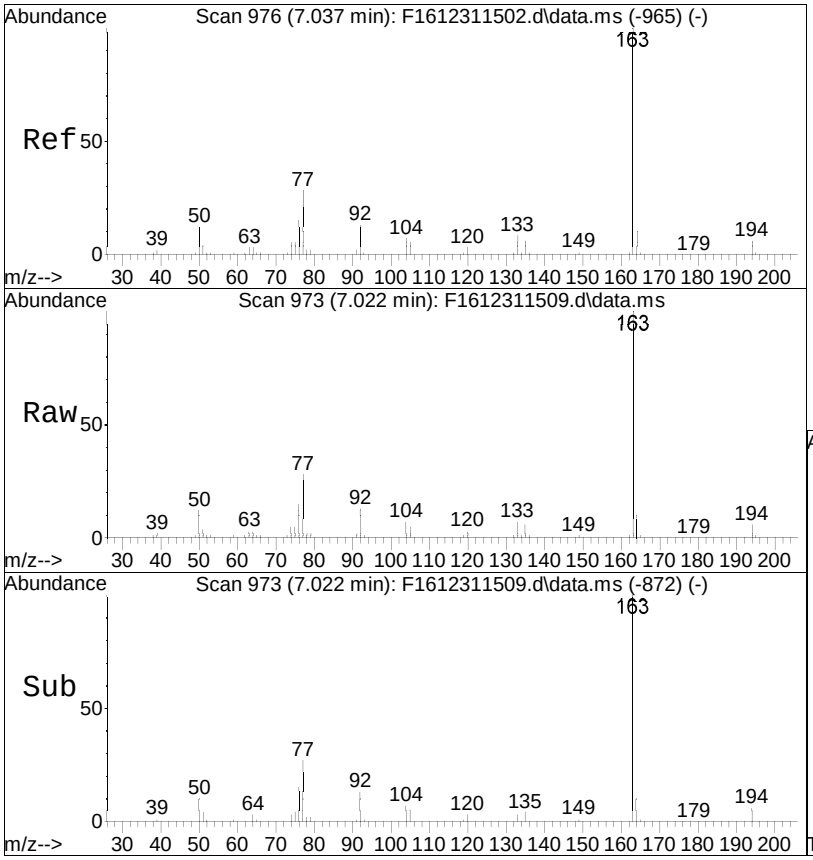


#47
Acenaphthylene
Concen: 7.32 ug/mL
RT: 7.133 min Scan# 996
Delta R.T. -0.019 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:152 Resp: 1284983

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.4	23.2
153	13.2	10.6	15.8

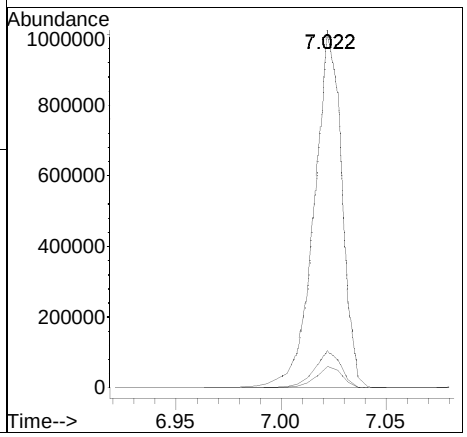


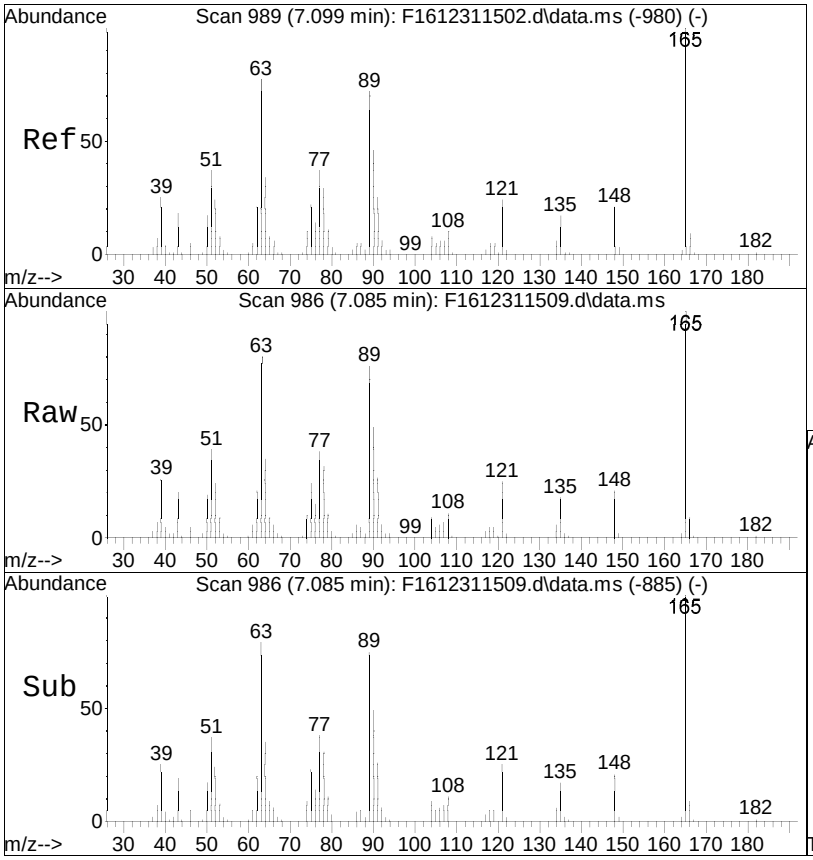


#48
Dimethylphthalate
Concen: 8.30 ug/mL
RT: 7.022 min Scan# 973
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:163 Resp: 919381

Ion	Ratio	Lower	Upper
163	100		
194	5.8	5.0	7.6
164	10.1	8.0	12.0

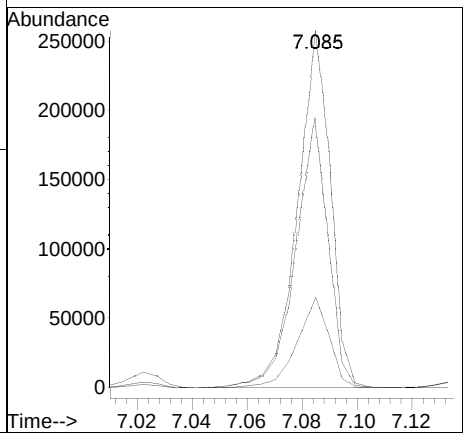


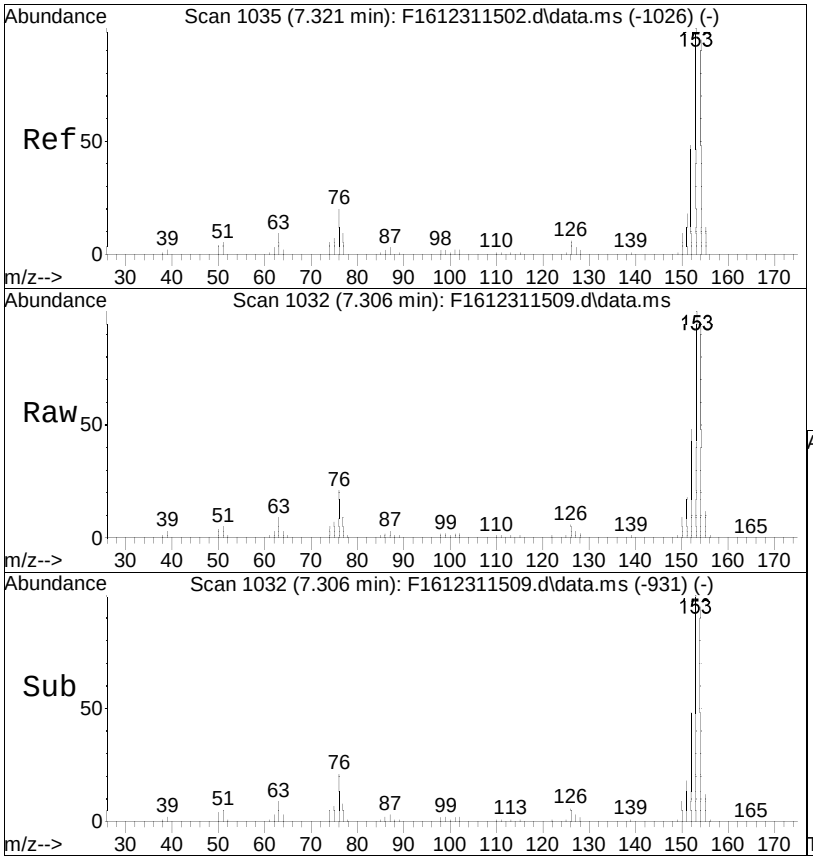


#49
2,6-Dinitrotoluene
Concen: 8.24 ug/mL
RT: 7.085 min Scan# 986
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:165 Resp: 213607

Ion	Ratio	Lower	Upper
165	100		
89	74.4	45.3	67.9#
121	24.8	16.6	24.8

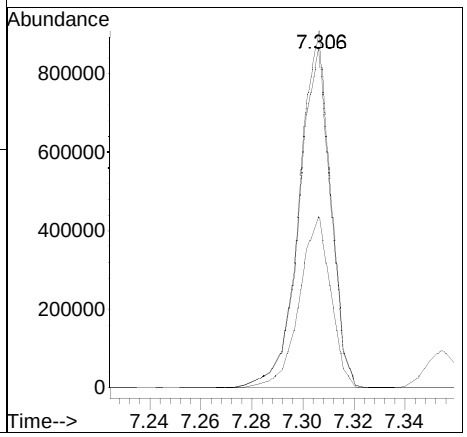


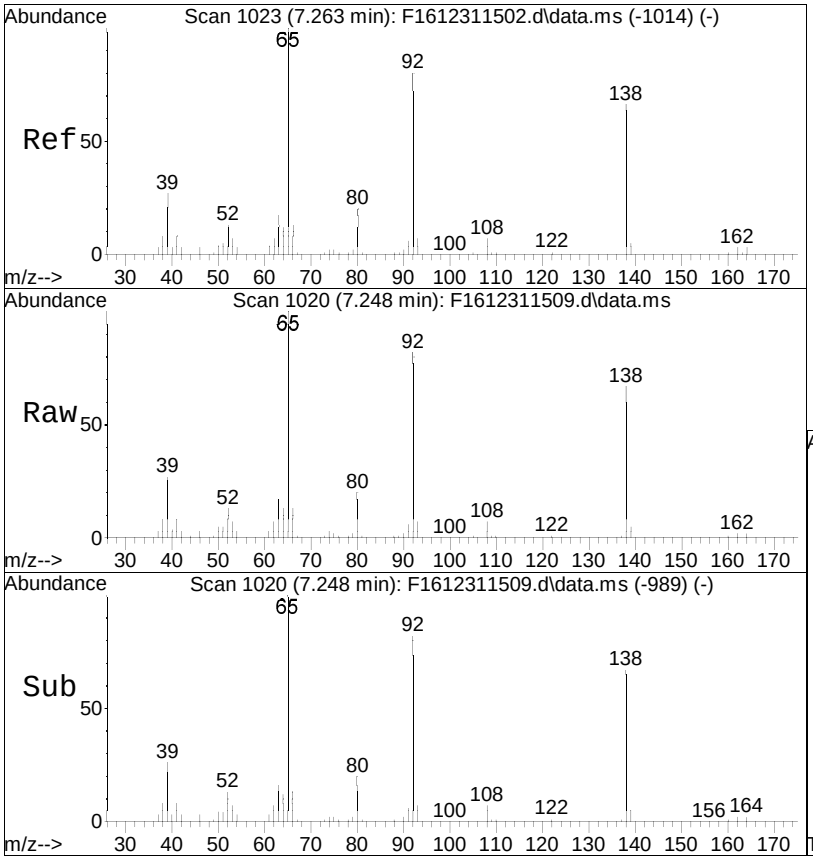


#50
Acenaphthene
Concen: 7.06 ug/mL
RT: 7.306 min Scan# 1032
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:153 Resp: 779312

Ion	Ratio	Lower	Upper
153	100		
154	95.4	77.2	115.8
152	47.8	37.9	56.9

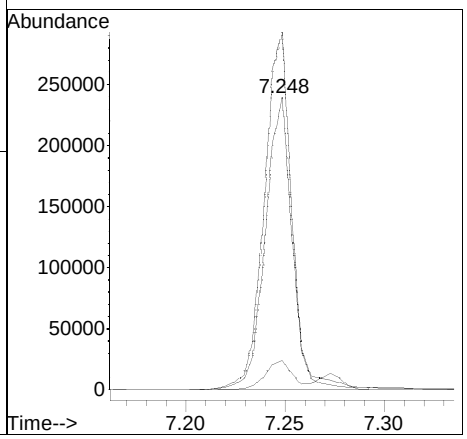


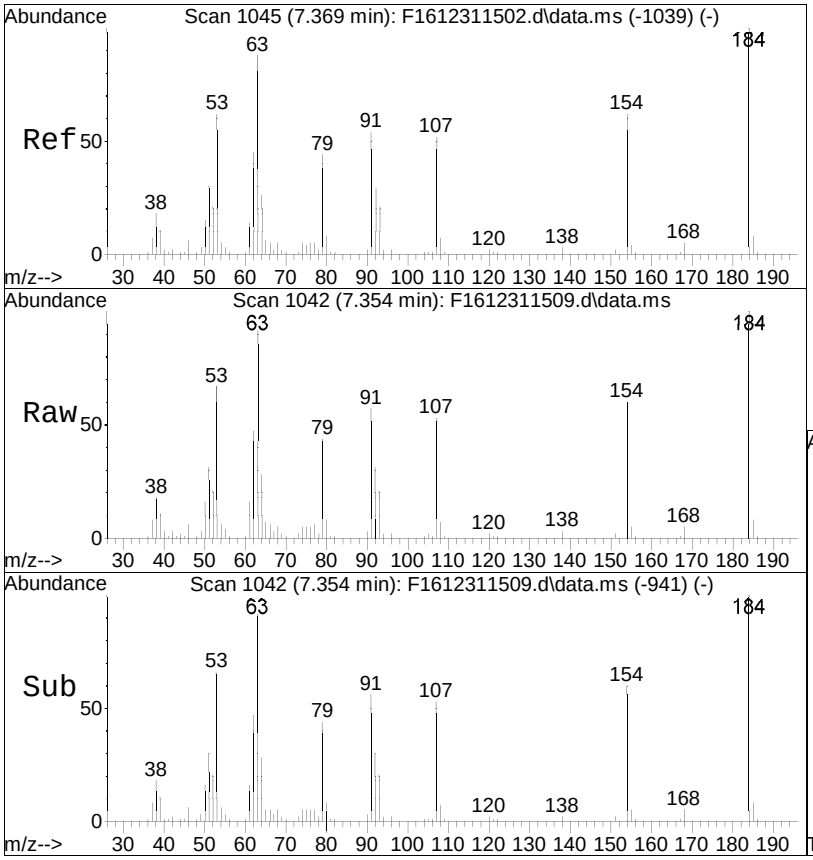


#51
3-Nitroaniline
Concen: 7.37 ug/mL
RT: 7.248 min Scan# 1020
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:138 Resp: 222911

Ion	Ratio	Lower	Upper
138	100		
108	10.2	8.6	12.8
92	122.8	86.3	129.5

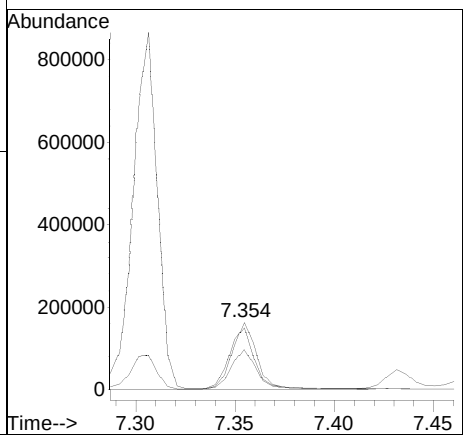


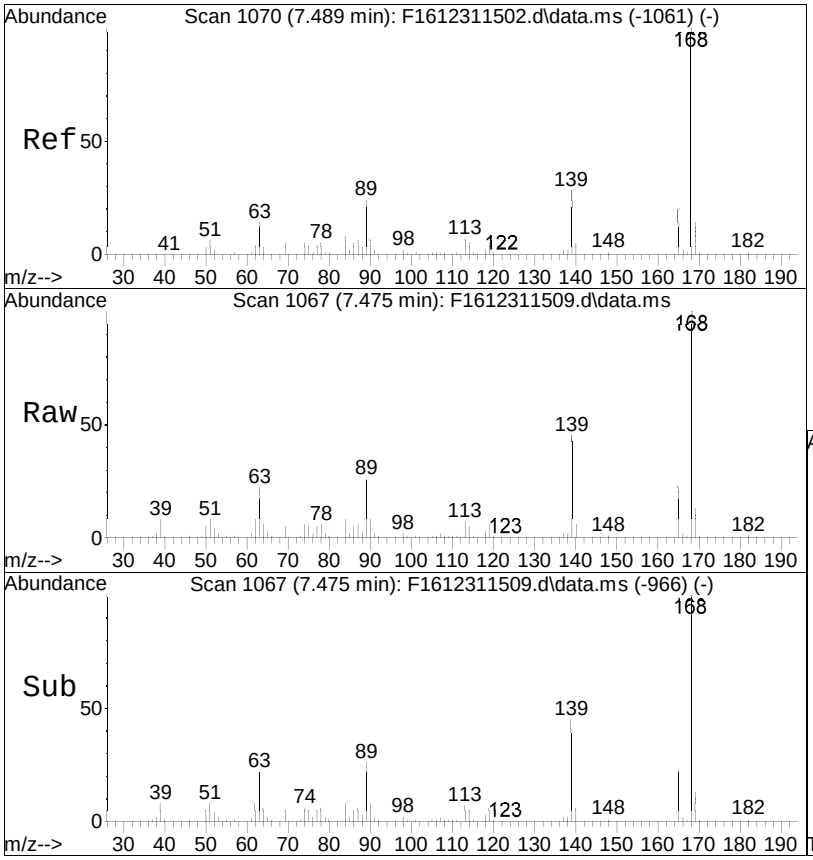


#52
2,4-Dinitrophenol
Concen: 8.11 ug/mL
RT: 7.354 min Scan# 1042
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:184 Resp: 144479

Ion	Ratio	Lower	Upper
184	100		
63	93.0	46.0	69.0#
154	59.3	42.5	63.7

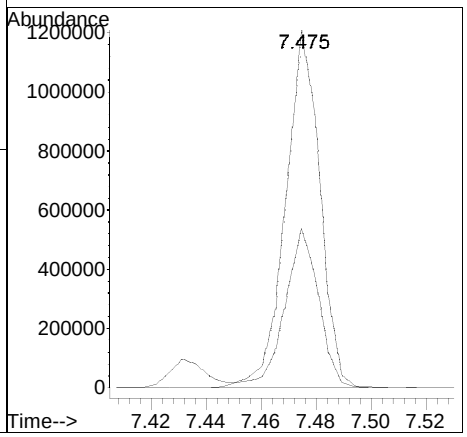


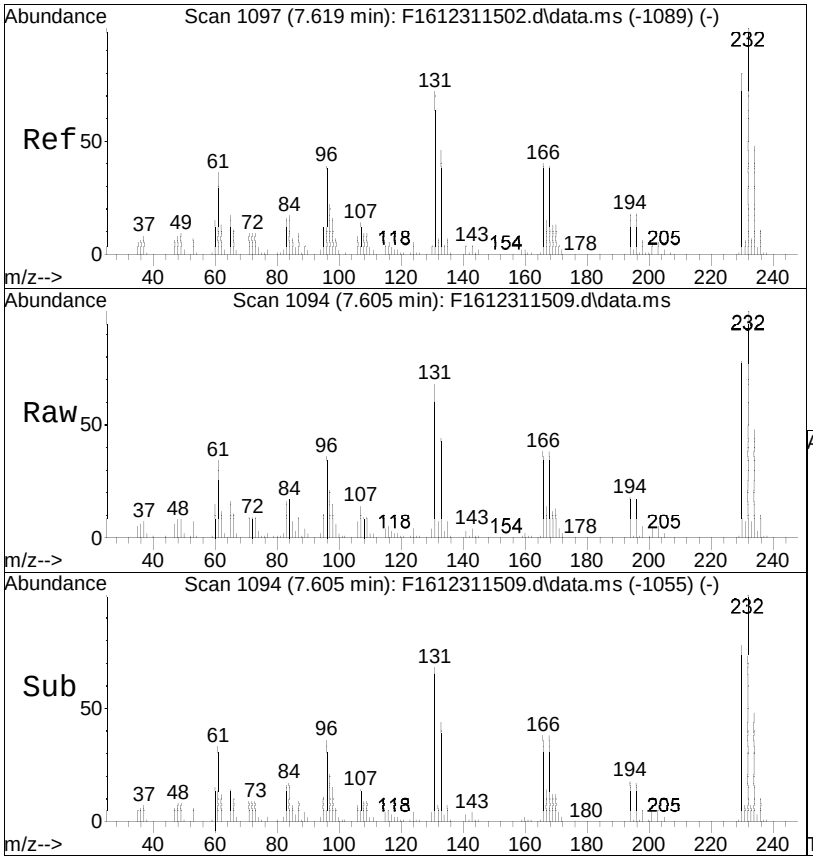


#53
Dibenzofuran
Concen: 7.37 ug/mL
RT: 7.475 min Scan# 1067
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:168 Resp: 1038817

Ion	Ratio	Lower	Upper
168	100		
139	43.3	30.2	45.4

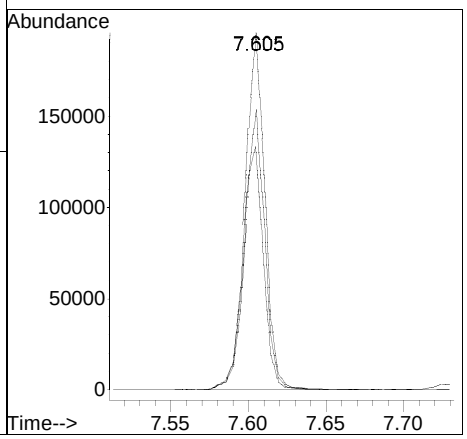


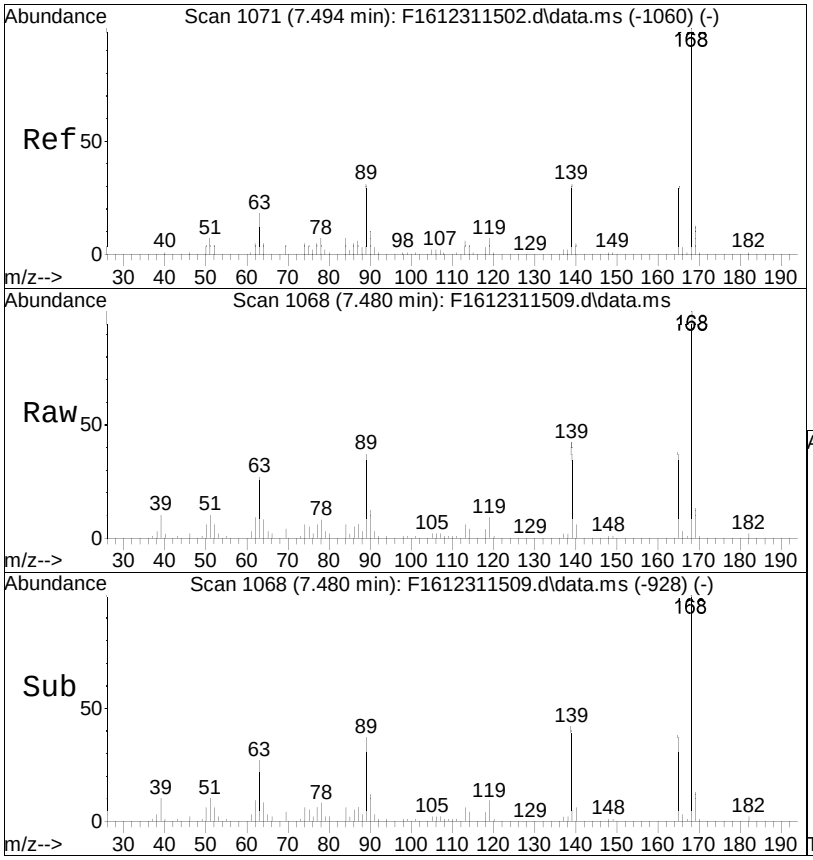


#54
2,3,4,6-Tetrachlorophenol
Concen: 8.39
RT: 7.605 min Scan# 1094
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:232 Resp: 174592

Ion	Ratio	Lower	Upper
232	100		
131	70.2	46.9	70.3
230	78.1	63.7	95.5

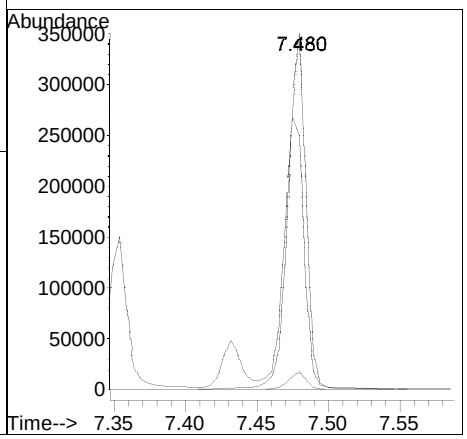


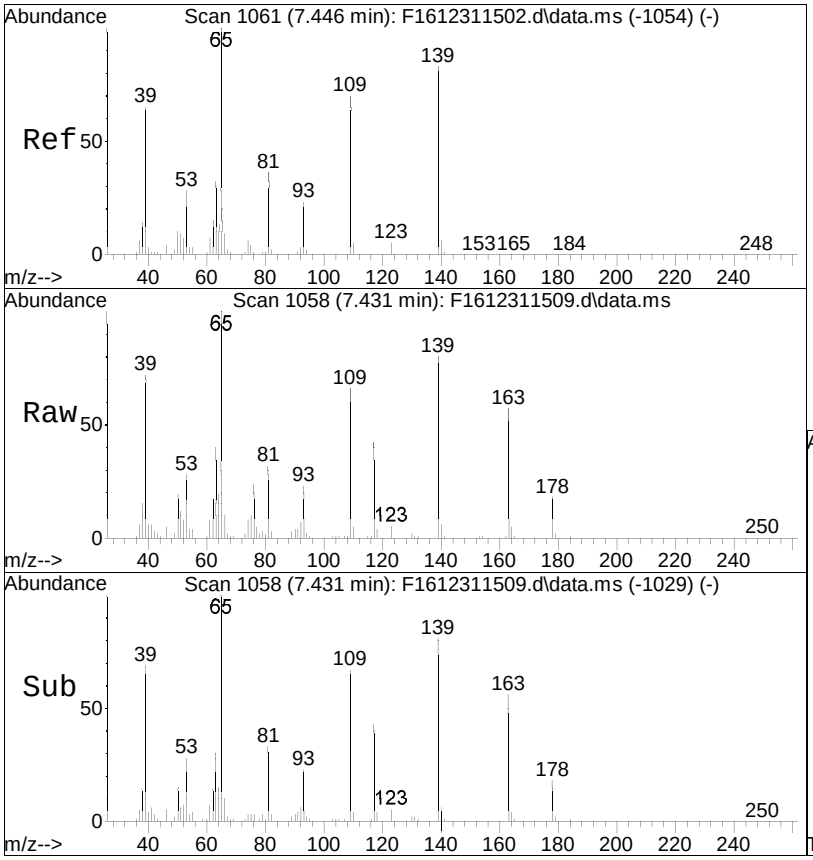


#55
2,4-Dinitrotoluene
Concen: 8.48 ug/mL
RT: 7.480 min Scan# 1068
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:165 Resp: 304001

Ion	Ratio	Lower	Upper
165	100		
63	83.8	33.0	49.6#
182	4.8	3.9	5.9

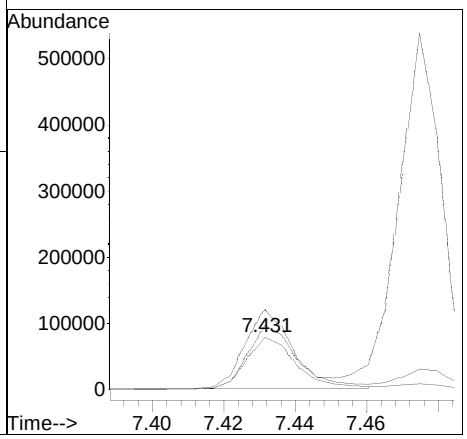


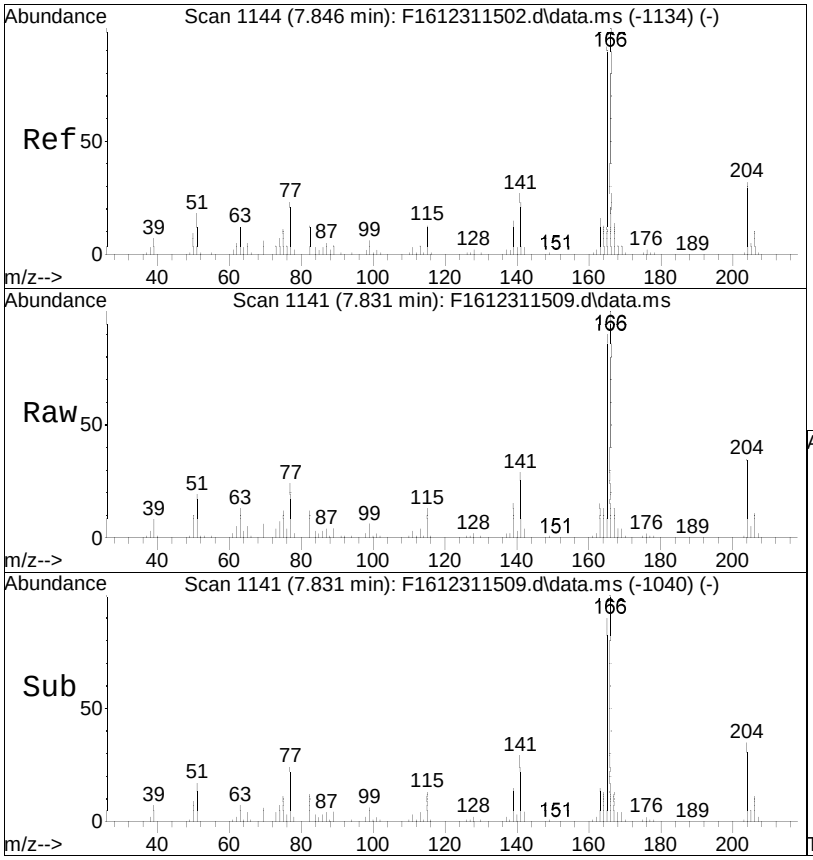


#56
4-Nitrophenol
Concen: 4.54 ug/mL
RT: 7.431 min Scan# 1058
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:109 Resp: 76251

Ion	Ratio	Lower	Upper
109	100		
139	120.1	117.7	176.5
65	149.5	106.1	159.1

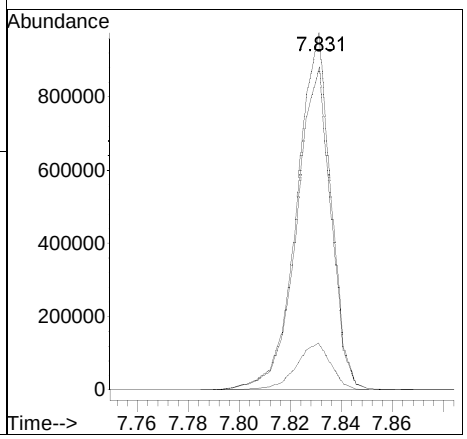


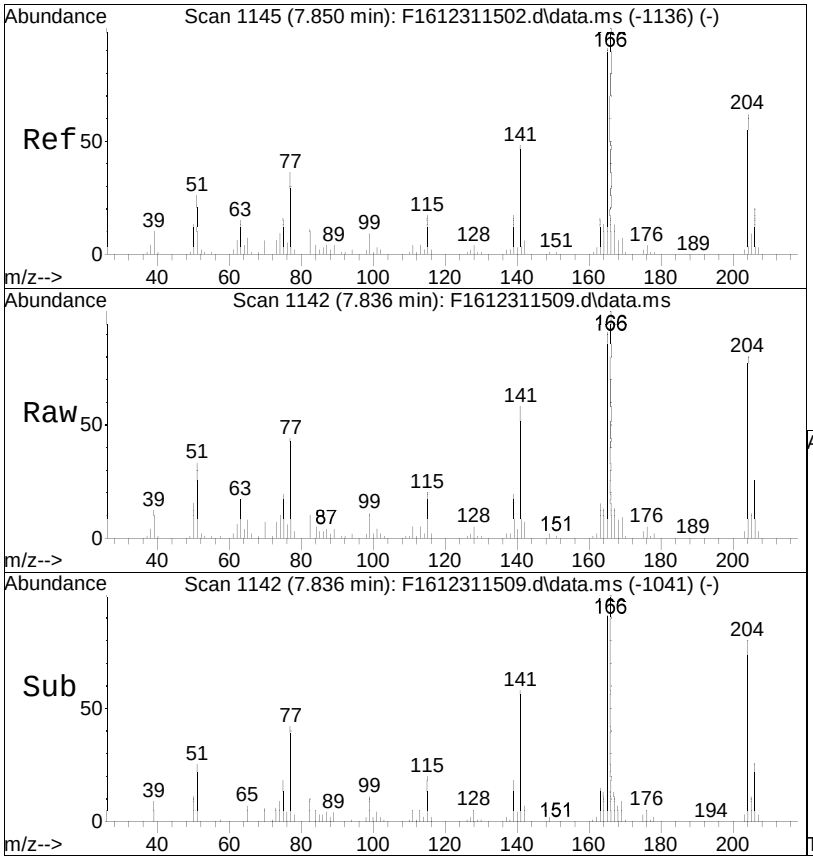


#57
Fluorene
Concen: 7.79 ug/mL
RT: 7.831 min Scan# 1141
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:166 Resp: 903572

Ion	Ratio	Lower	Upper
166	100		
165	91.1	72.0	108.0
167	13.4	10.6	15.8

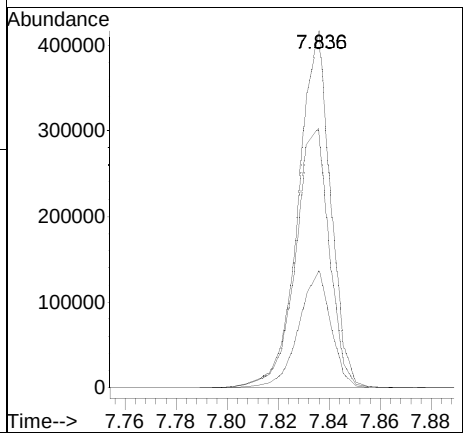


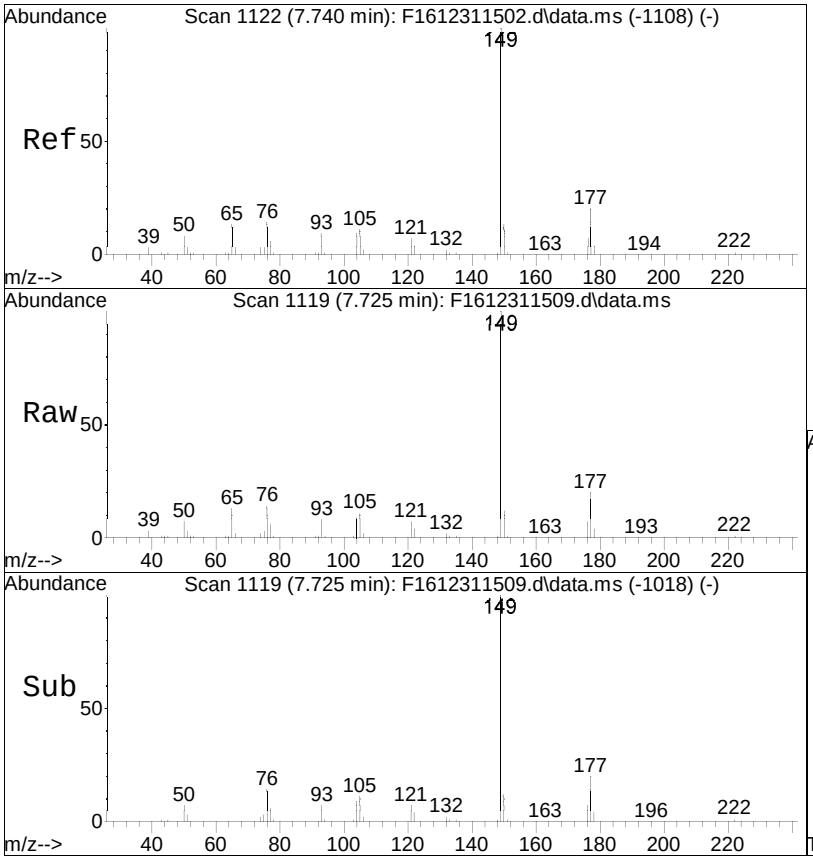


#58
4-Chlorophenyl-phenylether
Concen: 7.32 ug/mL
RT: 7.836 min Scan# 1142
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:204 Resp: 366461

Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.7	38.5
141	76.4	52.9	79.3

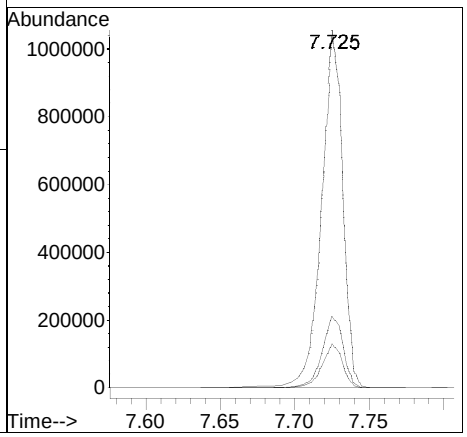


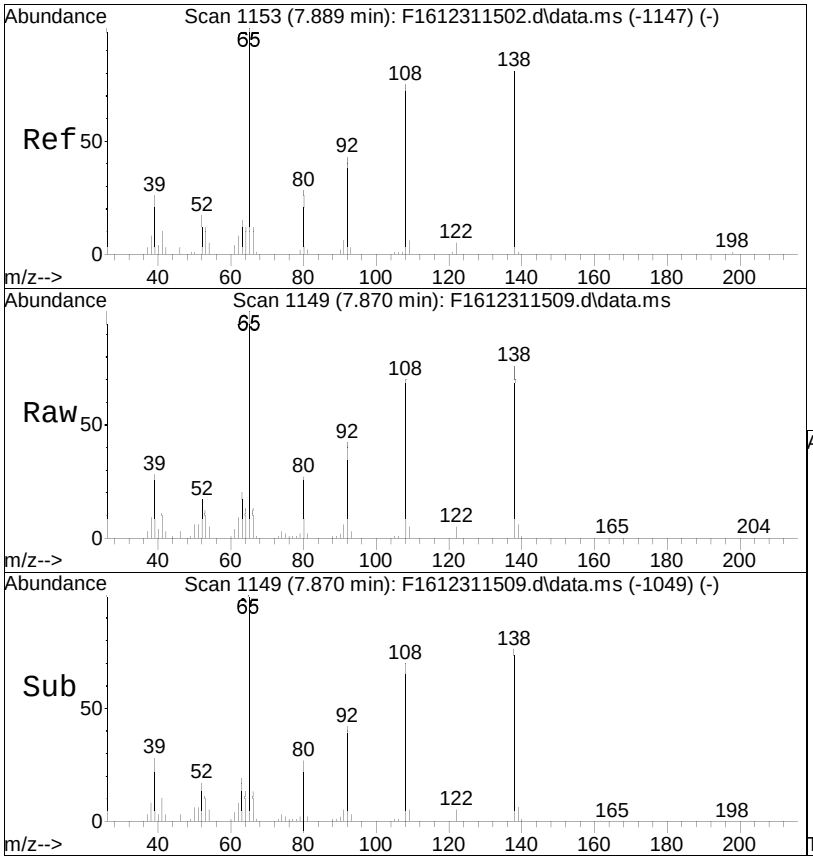


#59
Diethylphthalate
Concen: 8.62 ug/mL
RT: 7.725 min Scan# 1119
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:149 Resp: 1028011

Ion	Ratio	Lower	Upper
149	100		
177	20.0	18.6	27.8
150	12.2	9.8	14.8

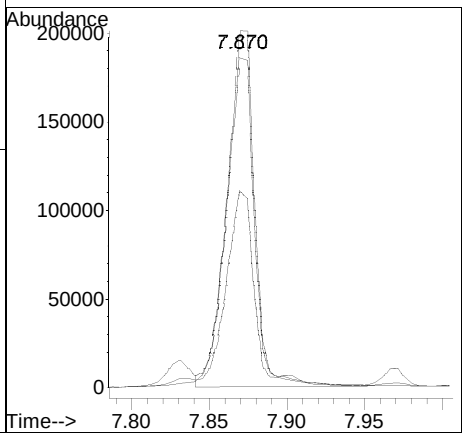


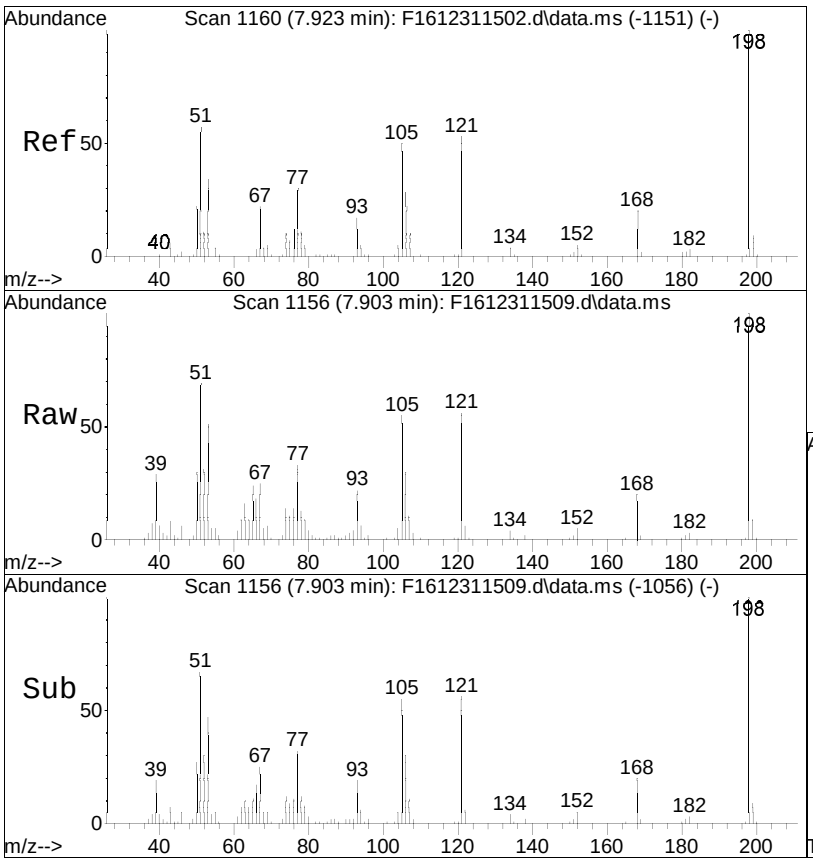


#60
4-Nitroaniline
Concen: 8.55 ug/mL
RT: 7.870 min Scan# 1149
Delta R.T. -0.019 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:138 Resp: 249703

Ion	Ratio	Lower	Upper
138	100		
92	53.4	37.7	56.5
108	95.0	57.6	86.4#

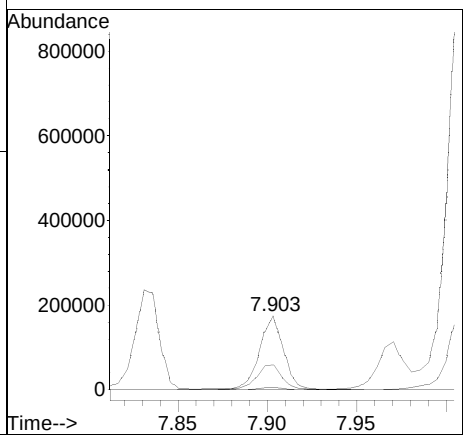


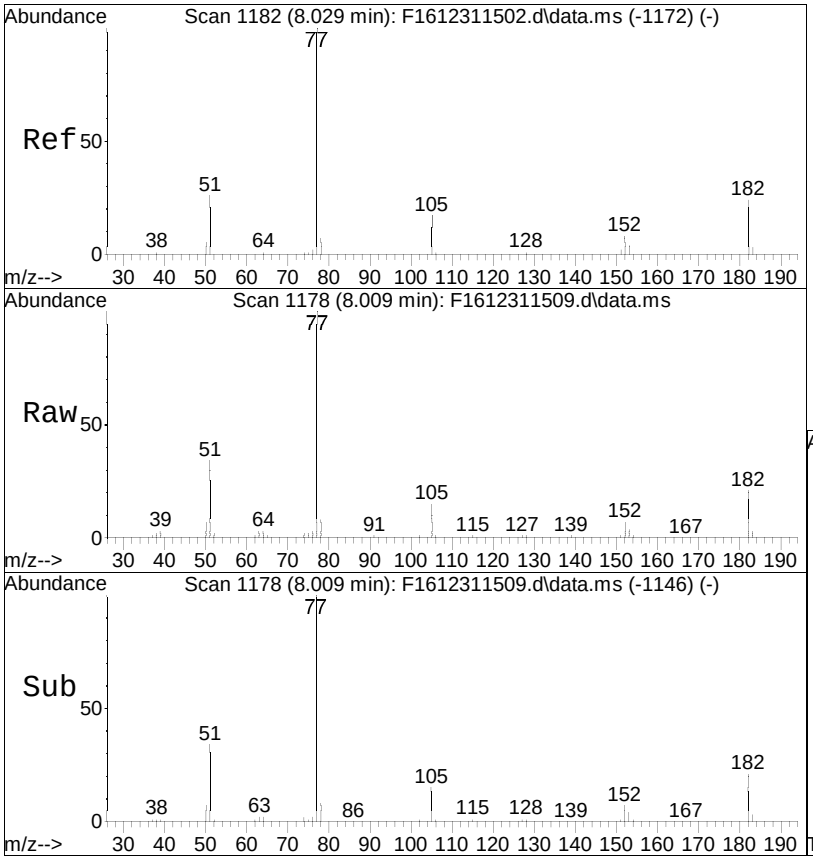


#62
4,6-Dinitro-2-methylphenol
Concen: 7.99 ug/mL
RT: 7.903 min Scan# 1156
Delta R.T. -0.019 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:198 Resp: 165088

Ion	Ratio	Lower	Upper
198	100		
182	3.4	0.0	0.0#
77	33.9	0.0	0.0#

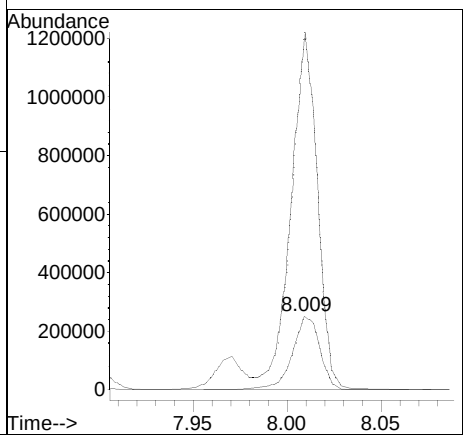


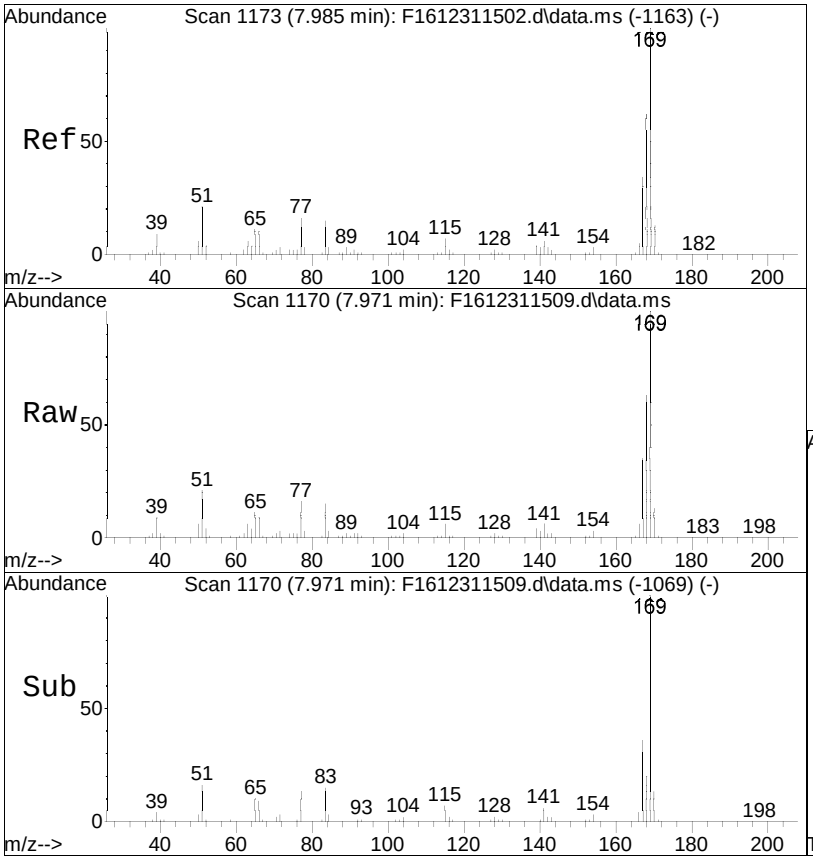


#63
Azobenzene
Concen: 7.98 ug/mL
RT: 8.009 min Scan# 1178
Delta R.T. -0.019 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:182 Resp: 255844

Ion	Ratio	Lower	Upper
182	100		
77	458.9	56.3	647.3

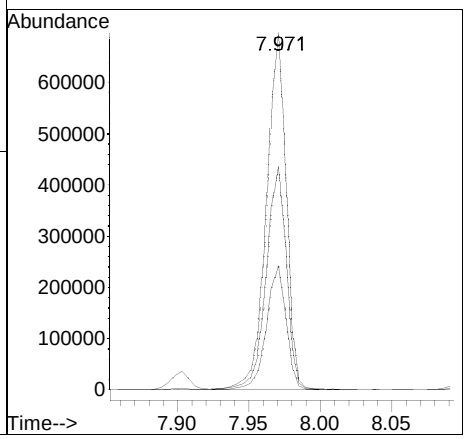


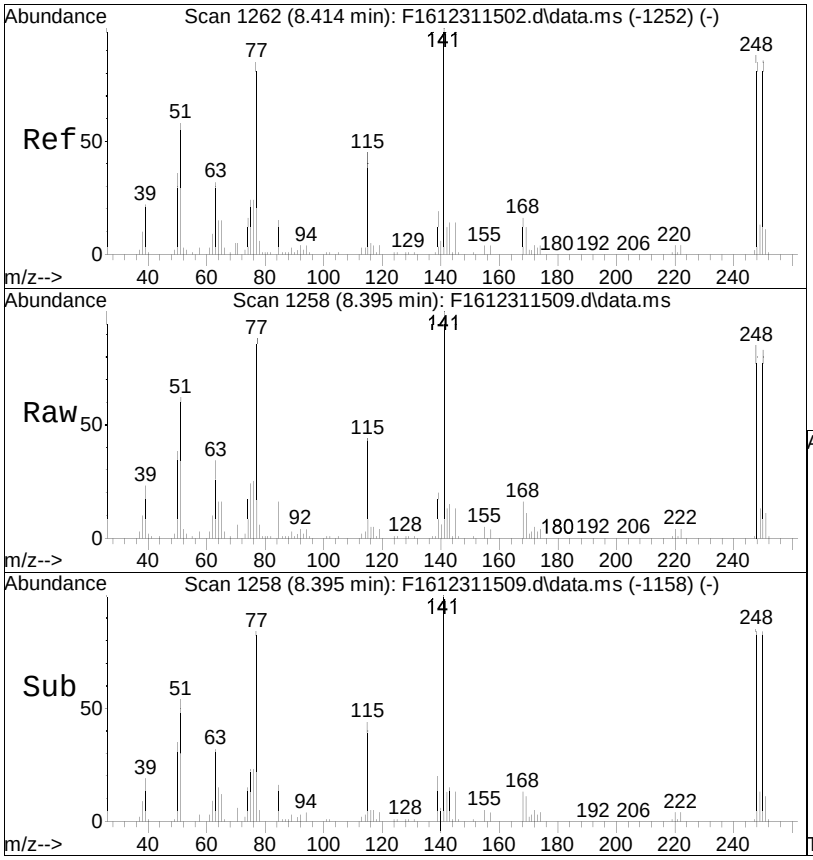


#64
n-Nitrosodiphenylamine
Concen: 8.17 ug/mL
RT: 7.971 min Scan# 1170
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:169 Resp: 660533

Ion	Ratio	Lower	Upper
169	100		
168	64.0	50.7	76.1
167	35.0	28.0	42.0

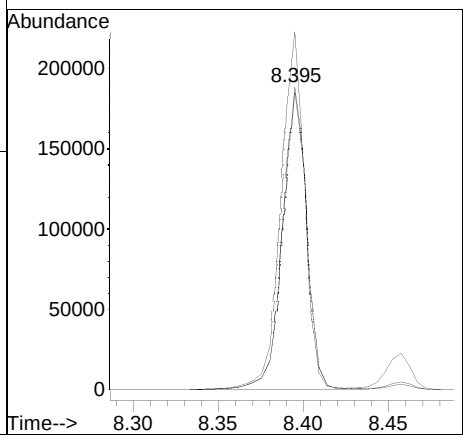


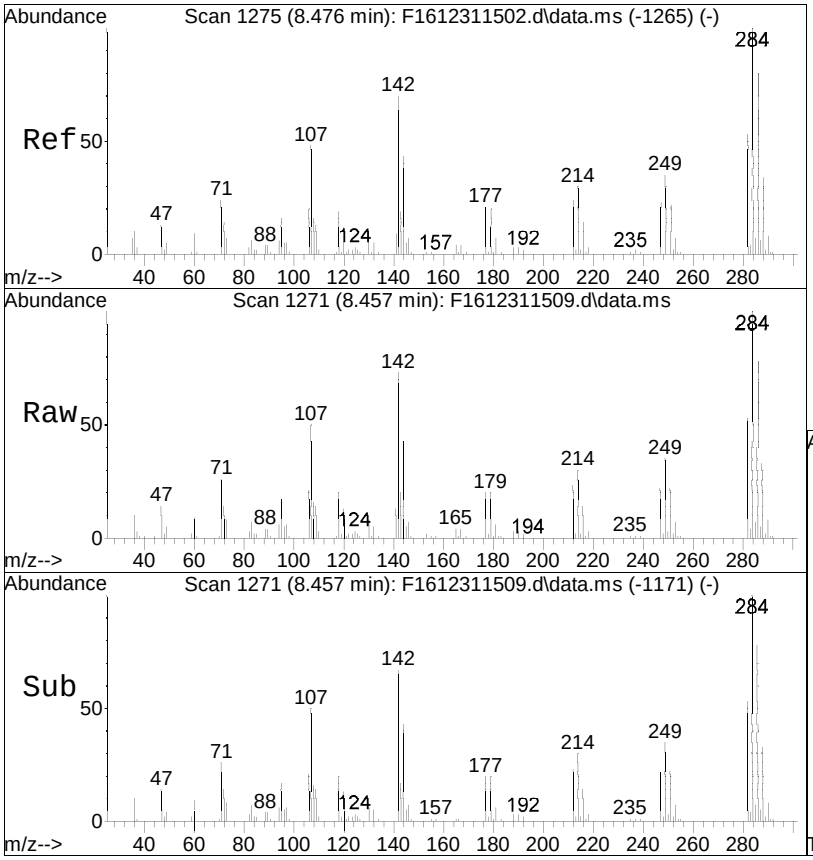


#66
4-Bromophenyl-phenylether
Concen: 7.55 ug/mL
RT: 8.395 min Scan# 1258
Delta R.T. -0.019 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:248 Resp: 186201

Ion	Ratio	Lower	Upper
248	100		
250	97.4	76.2	114.2
141	115.2	74.1	111.1#

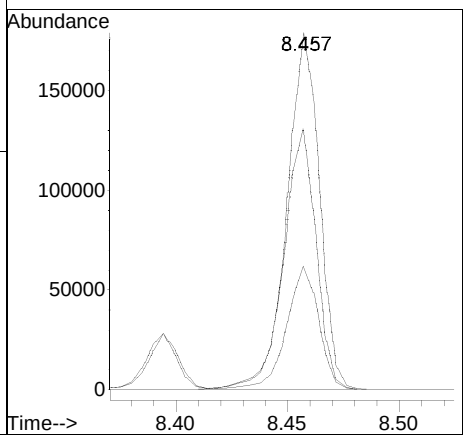


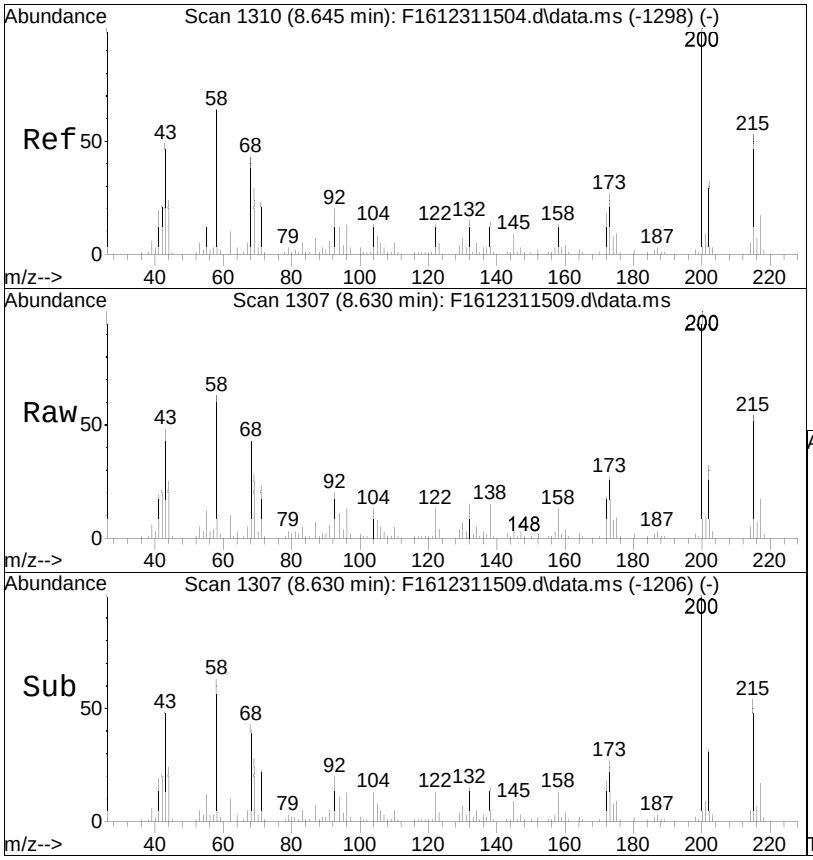


#67
Hexachlorobenzene
Concen: 7.39 ug/mL
RT: 8.457 min Scan# 1271
Delta R.T. -0.019 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:284 Resp: 181324

Ion	Ratio	Lower	Upper
284	100		
142	72.7	41.2	61.8#
249	34.2	25.4	38.0

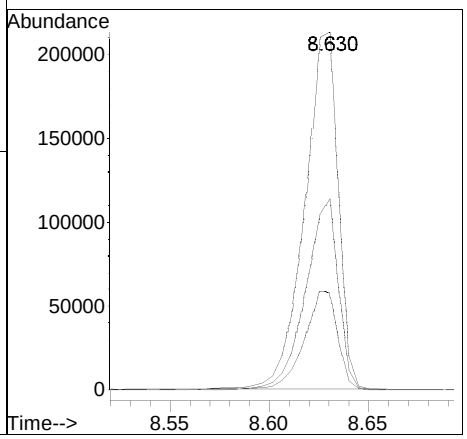


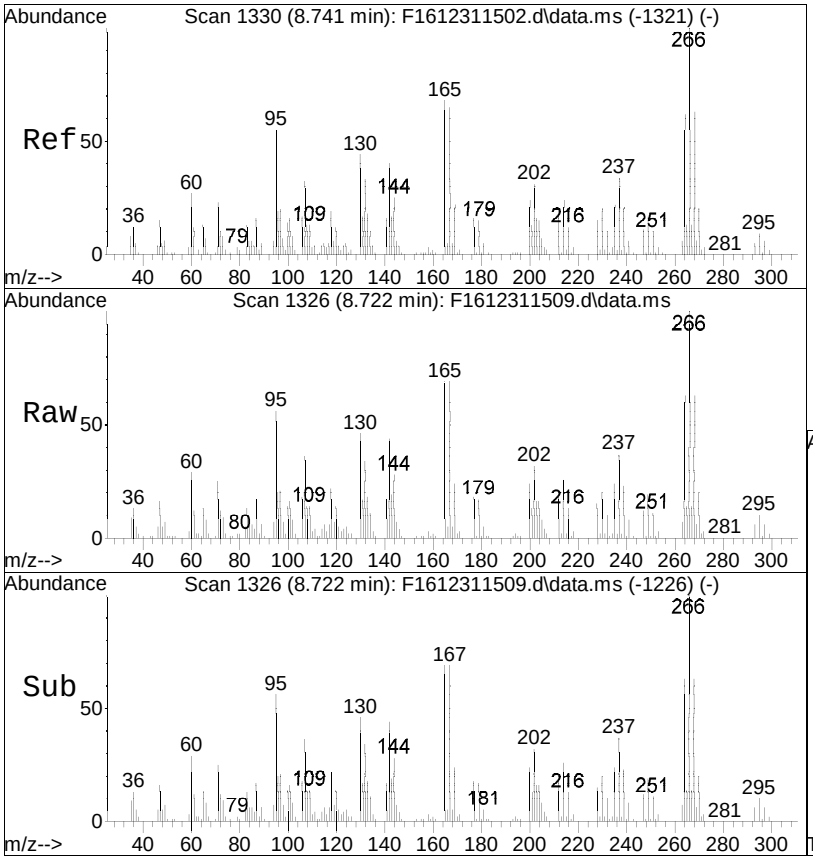


#68
Atrazine
Concen: 9.06 ug/ml
RT: 8.630 min Scan# 1307
Delta R.T. -0.014 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:200 Resp: 247252

Ion	Ratio	Lower	Upper
200	100		
173	27.8	22.3	33.5
215	52.5	41.4	62.0

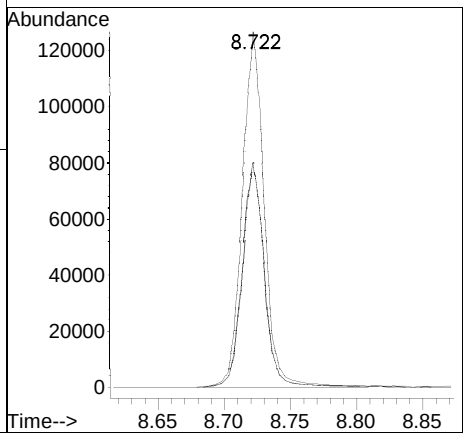


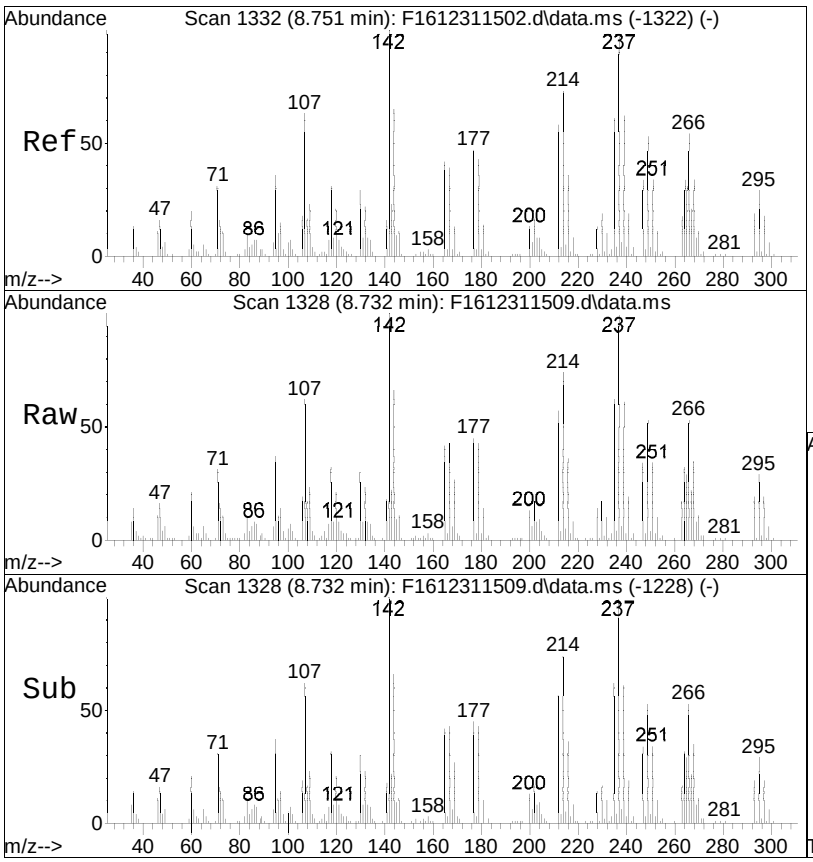


#69
Pentachlorophenol
Concen: 8.33 ug/mL
RT: 8.722 min Scan# 1326
Delta R.T. -0.019 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:266 Resp: 144928

Ion	Ratio	Lower	Upper
266	100		
264	63.6	50.2	75.4
268	63.2	49.4	74.0

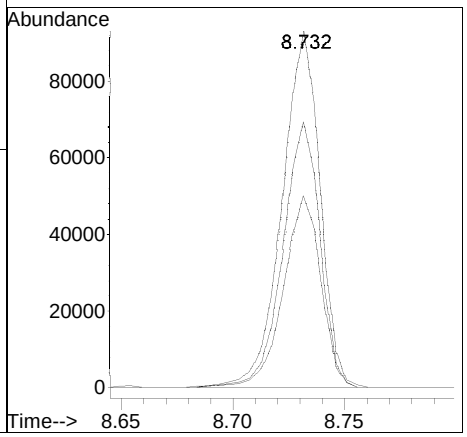


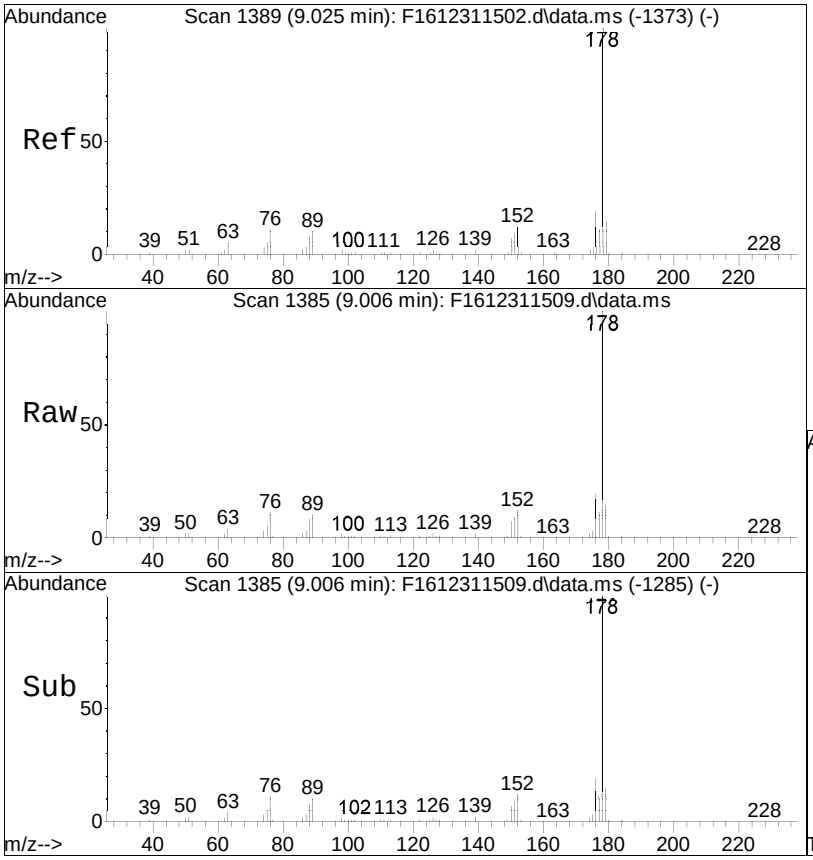


#70
Pentachloronitrobenzene
Concen: 9.02 ug/ml
RT: 8.732 min Scan# 1328
Delta R.T. -0.019 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:237 Resp: 109426

Ion	Ratio	Lower	Upper
237	100		
214	72.9	59.4	89.2
249	53.2	46.4	69.6

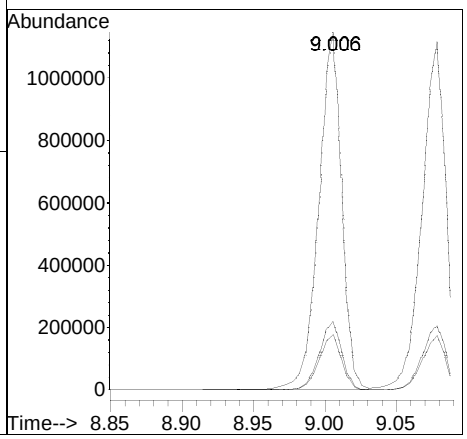


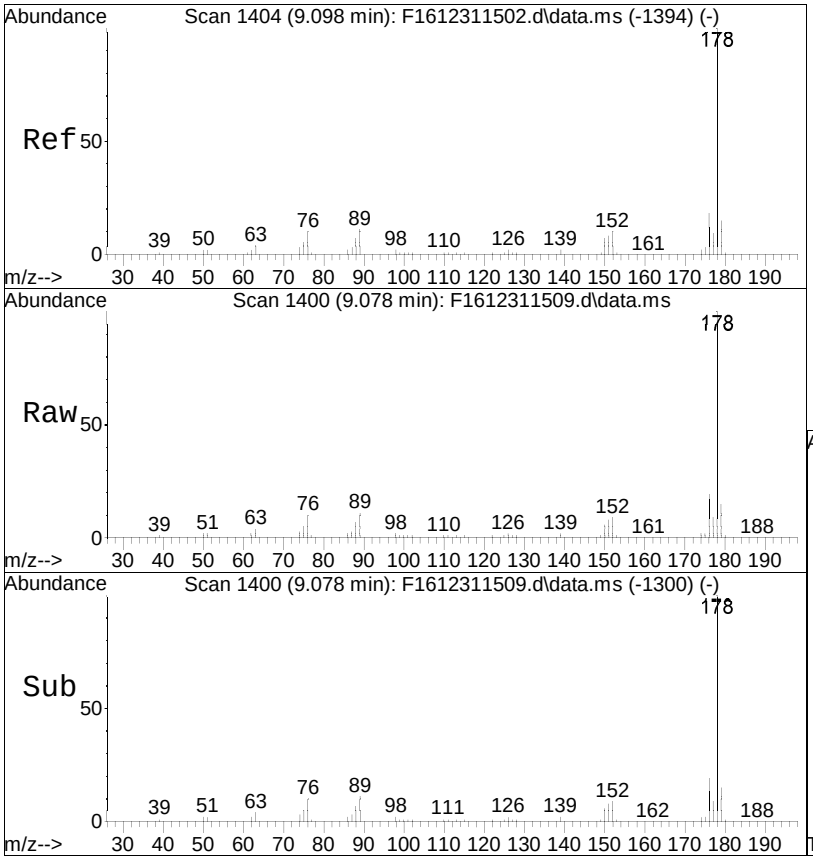


#71
Phenanthrene
Concen: 7.99 ug/mL
RT: 9.006 min Scan# 1385
Delta R.T. -0.019 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:178 Resp: 1282519

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.2	18.2
176	19.1	15.1	22.7

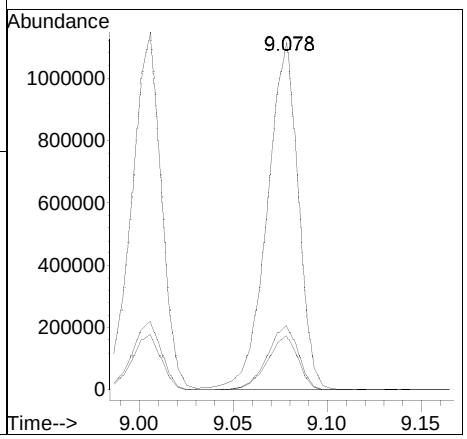


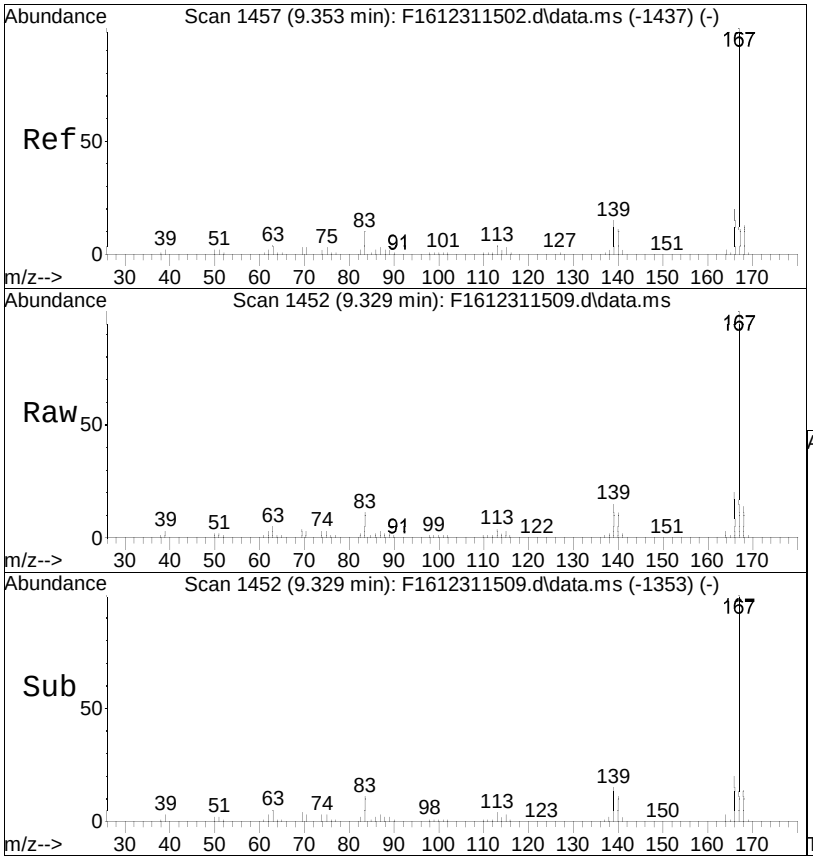


#72
Anthracene
Concen: 8.21 ug/mL
RT: 9.078 min Scan# 1400
Delta R.T. -0.019 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:178 Resp: 1284235

Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.8	17.6
176	18.6	14.2	21.4

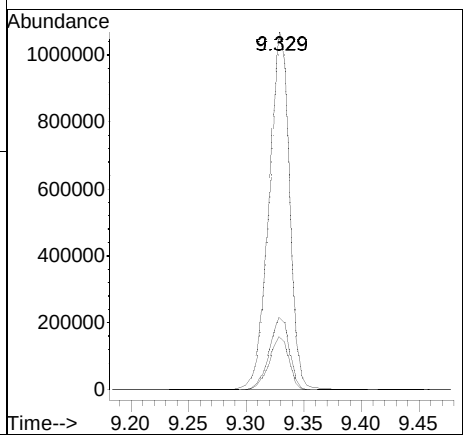


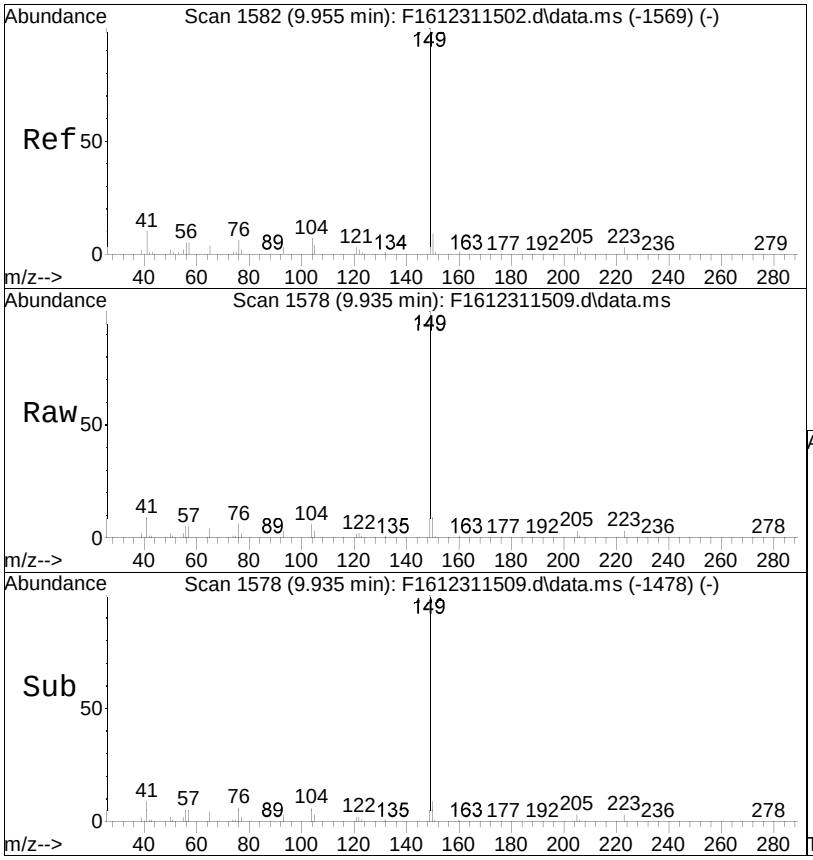


#73
Carbazole
Concen: 8.56 ug/mL
RT: 9.329 min Scan# 1452
Delta R.T. -0.024 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:167 Resp: 1302389

Ion	Ratio	Lower	Upper
167	100		
139	14.8	10.2	15.2
166	20.2	16.1	24.1

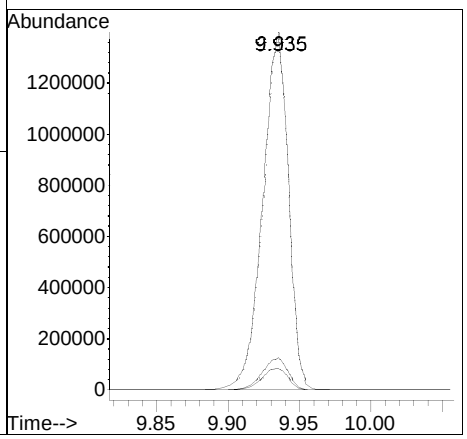


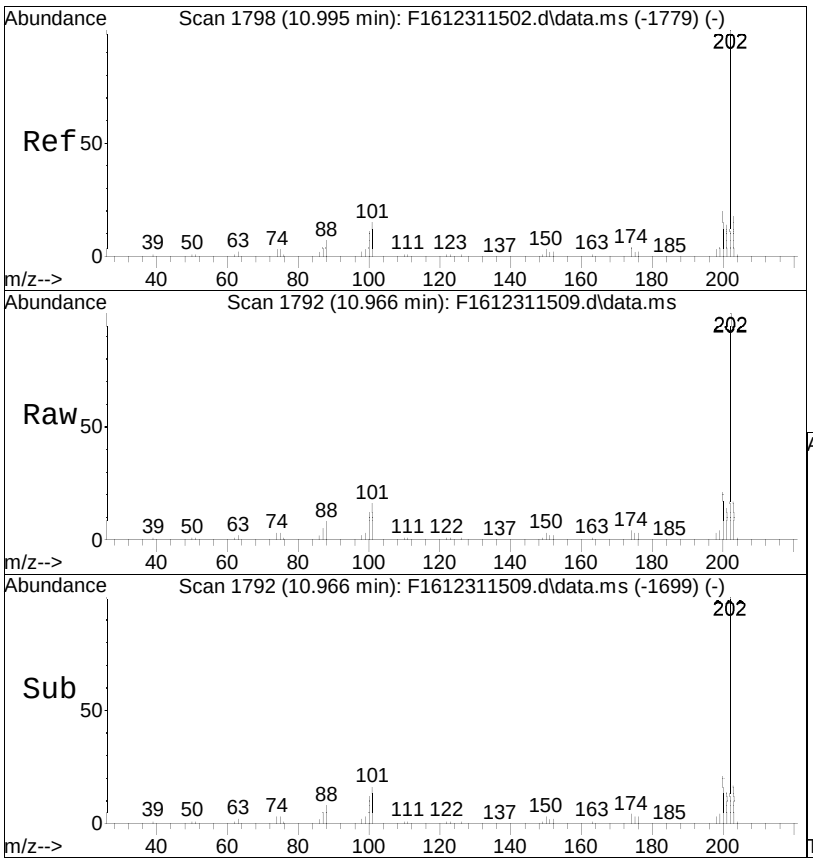


#74
Di-n-butylphthalate
Concen: 9.09 ug/mL
RT: 9.935 min Scan# 1578
Delta R.T. -0.019 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:149 Resp: 1708035

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.0	10.4
104	6.3	3.9	5.9#

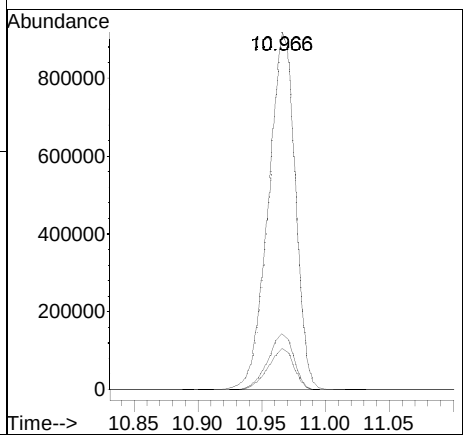


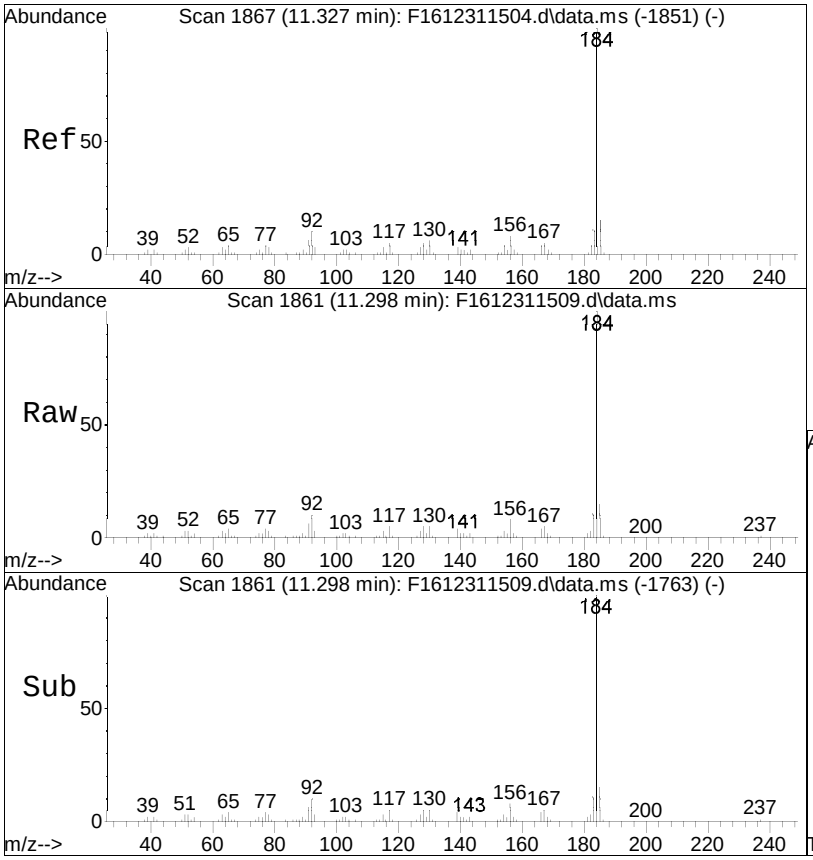


#75
Fluoranthene
Concen: 8.43 ug/mL
RT: 10.966 min Scan# 1792
Delta R.T. -0.029 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:202 Resp: 1328850

Ion	Ratio	Lower	Upper
202	100		
101	15.5	10.3	15.5#
100	11.6	7.5	11.3#

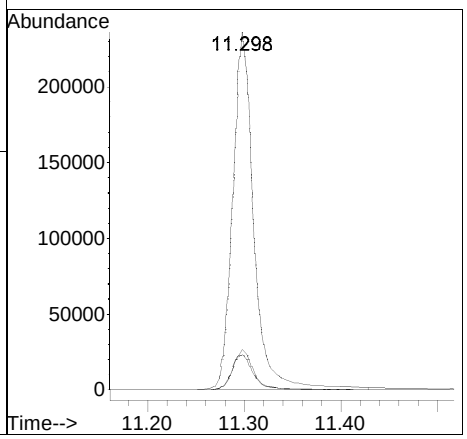


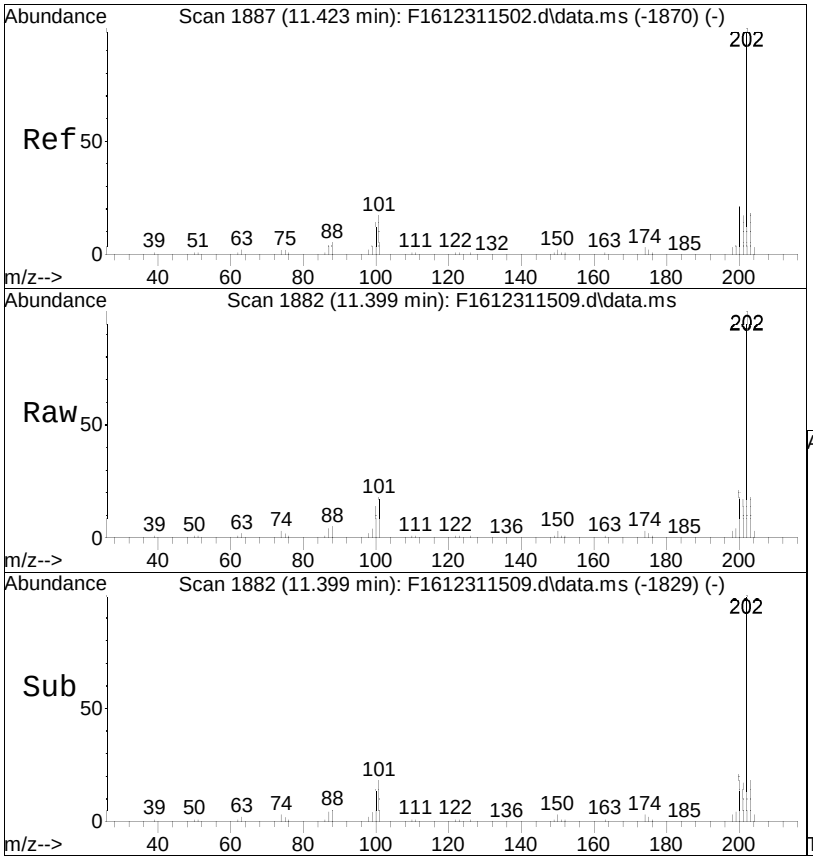


#77
Benzidine
Concen: 3.11 ug/mL
RT: 11.298 min Scan# 1861
Delta R.T. -0.029 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:184 Resp: 354279

Ion	Ratio	Lower	Upper
184	100		
183	11.1	9.0	13.4
92	10.0	8.2	12.2

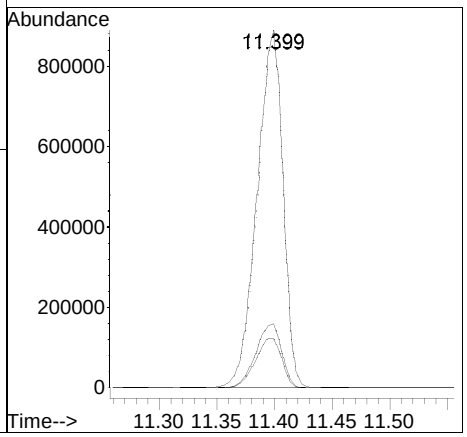


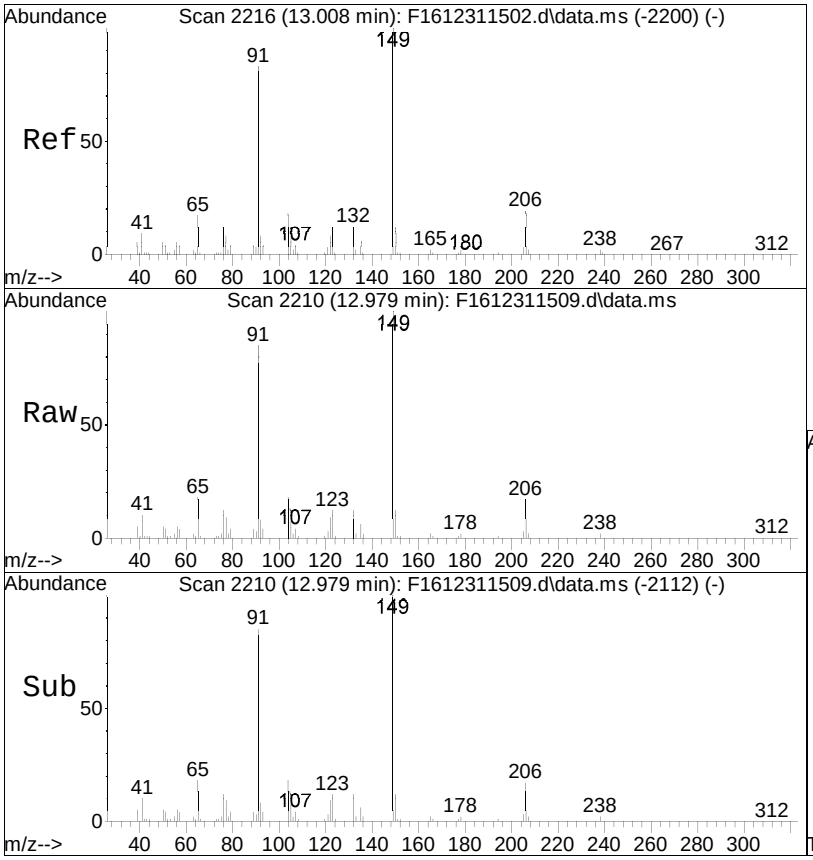


#78
Pyrene
Concen: 8.59 ug/mL
RT: 11.399 min Scan# 1882
Delta R.T. -0.024 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:202 Resp: 1370548

Ion	Ratio	Lower	Upper
202	100		
101	18.1	12.0	18.0#
100	14.4	9.3	13.9#

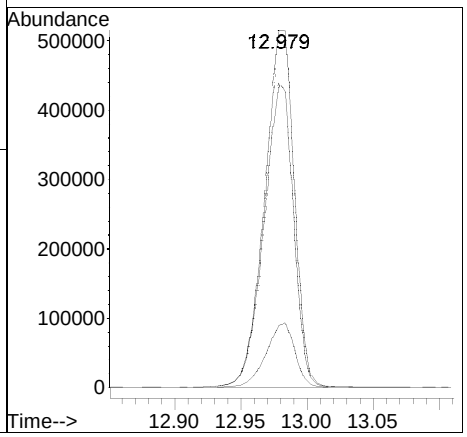


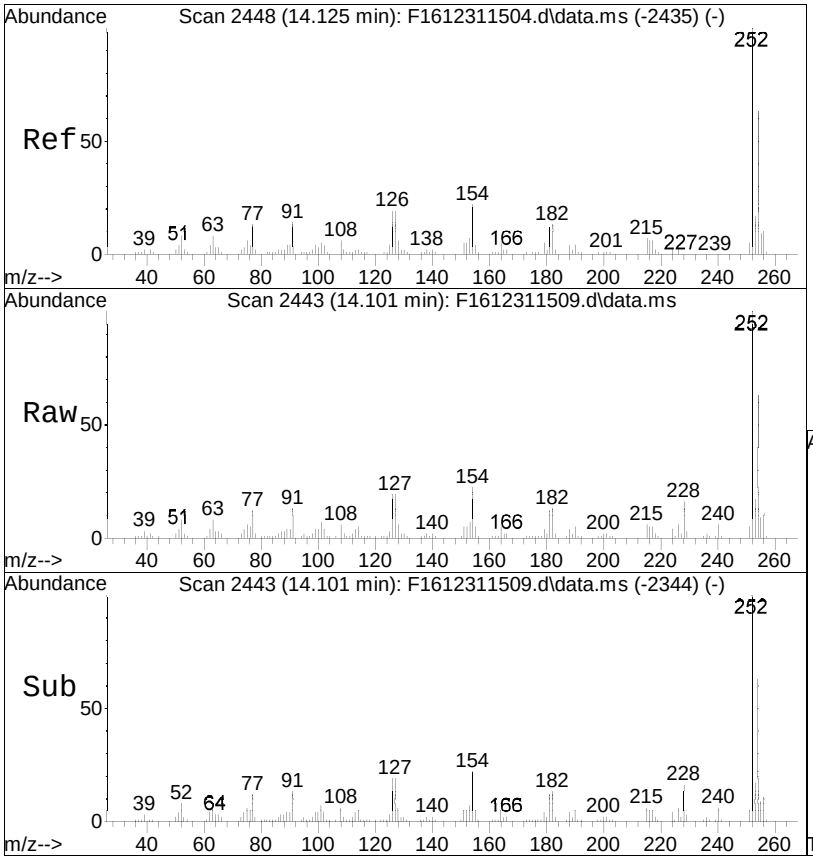


#80
Butylbenzylphthalate
Concen: 9.38 ug/mL
RT: 12.979 min Scan# 2210
Delta R.T. -0.029 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:149 Resp: 793535

Ion	Ratio	Lower	Upper
149	100		
91	85.0	57.8	86.6
206	17.7	18.3	27.5#

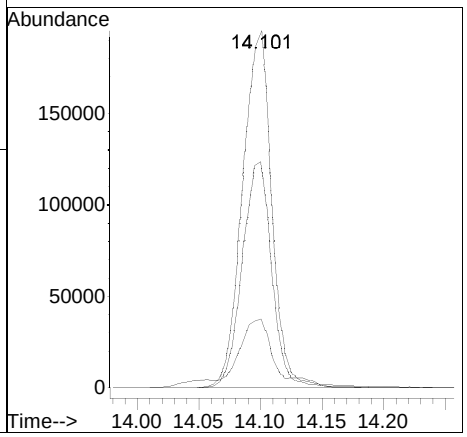


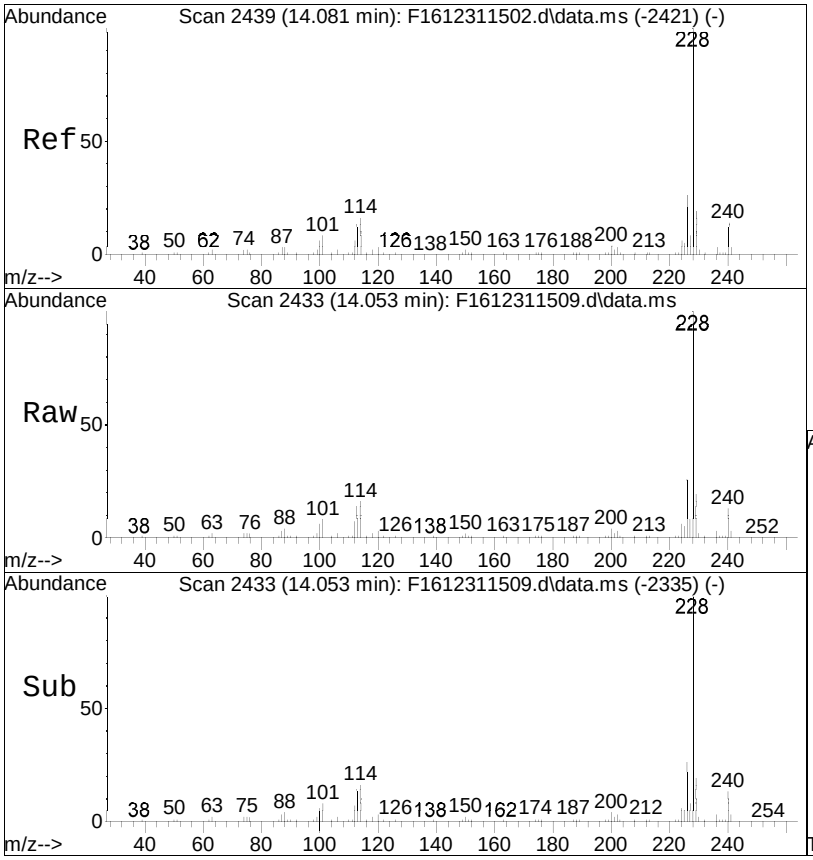


#81
3,3'-Dichlorobenzidine
Concen: 6.86 ug/mL
RT: 14.101 min Scan# 2443
Delta R.T. -0.024 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:252 Resp: 322794

Ion	Ratio	Lower	Upper
252	100		
254	63.8	50.8	76.2
126	20.8	16.4	24.6

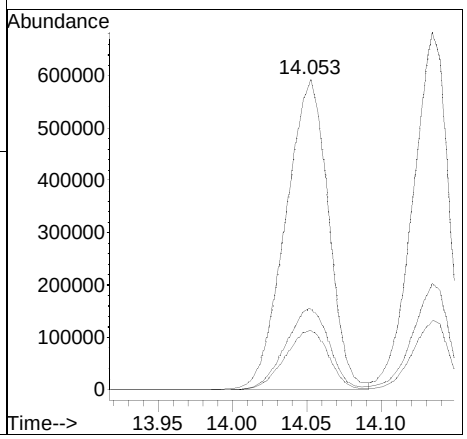


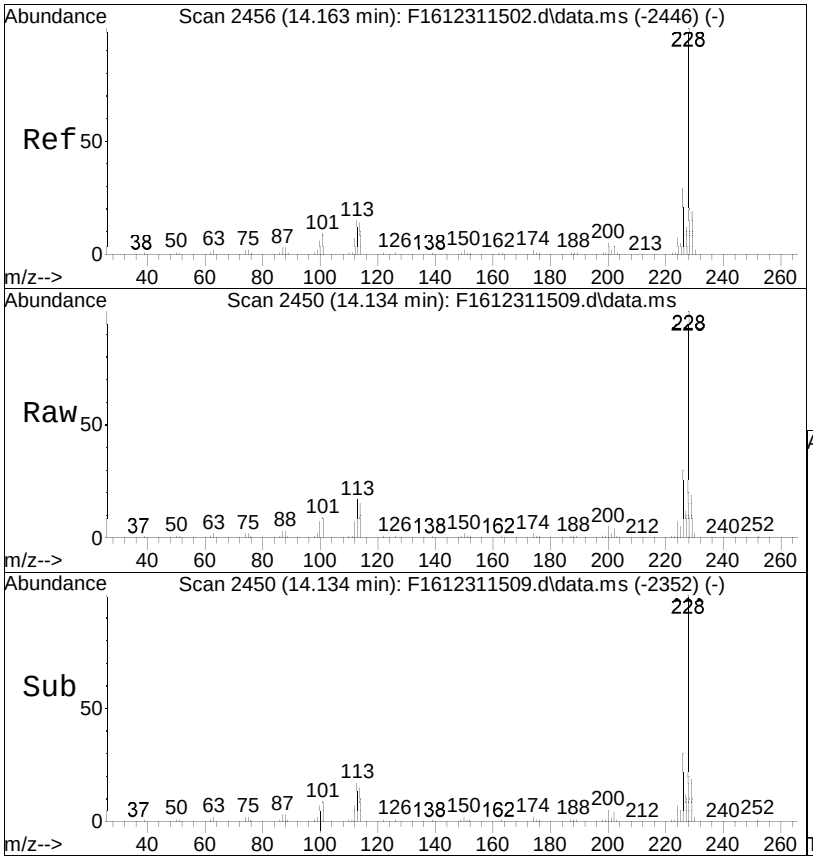


#82
Benz[a]anthracene
Concen: 8.36 ug/mL
RT: 14.053 min Scan# 2433
Delta R.T. -0.029 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:228 Resp: 1186811

Ion	Ratio	Lower	Upper
228	100		
229	19.6	16.1	24.1
226	26.7	21.3	31.9

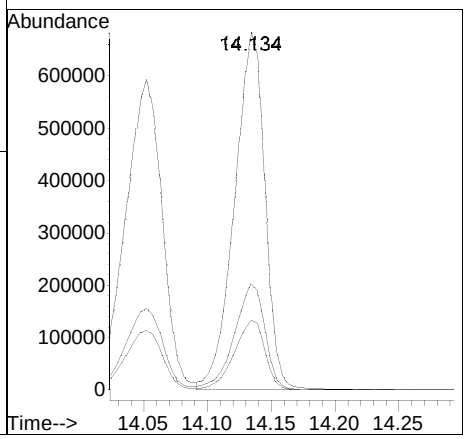


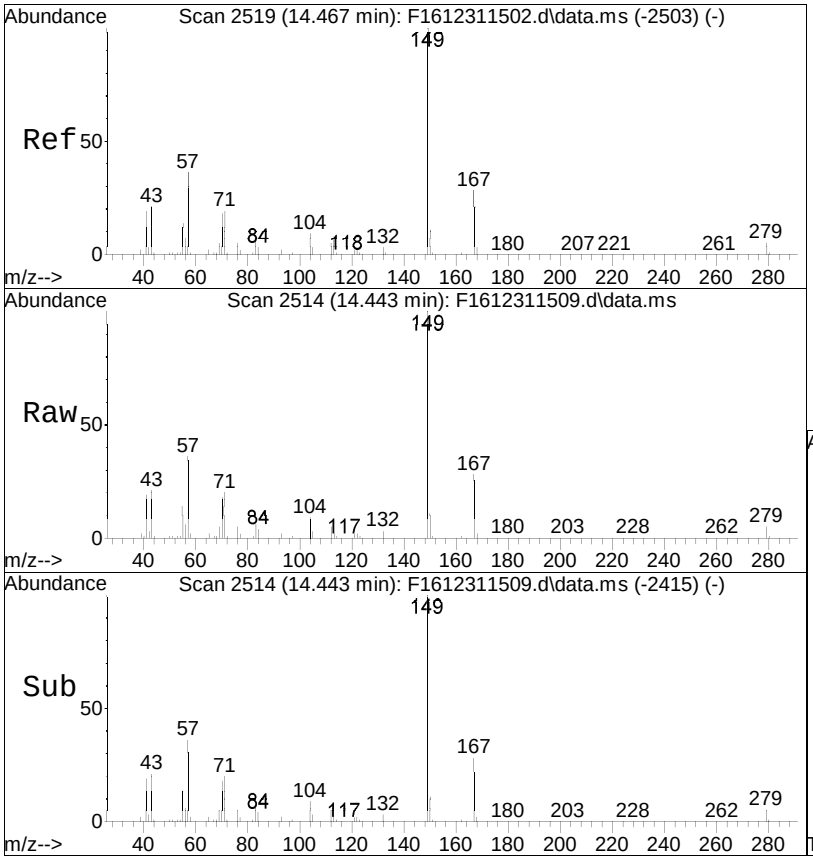


#83
Chrysene
Concen: 8.34 ug/mL
RT: 14.134 min Scan# 2450
Delta R.T. -0.029 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:228 Resp: 1128104

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.6	35.4
229	19.6	15.4	23.0

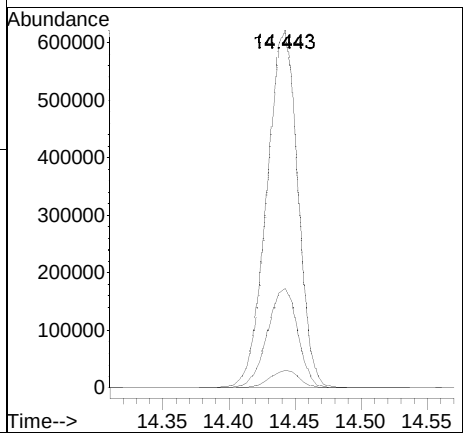


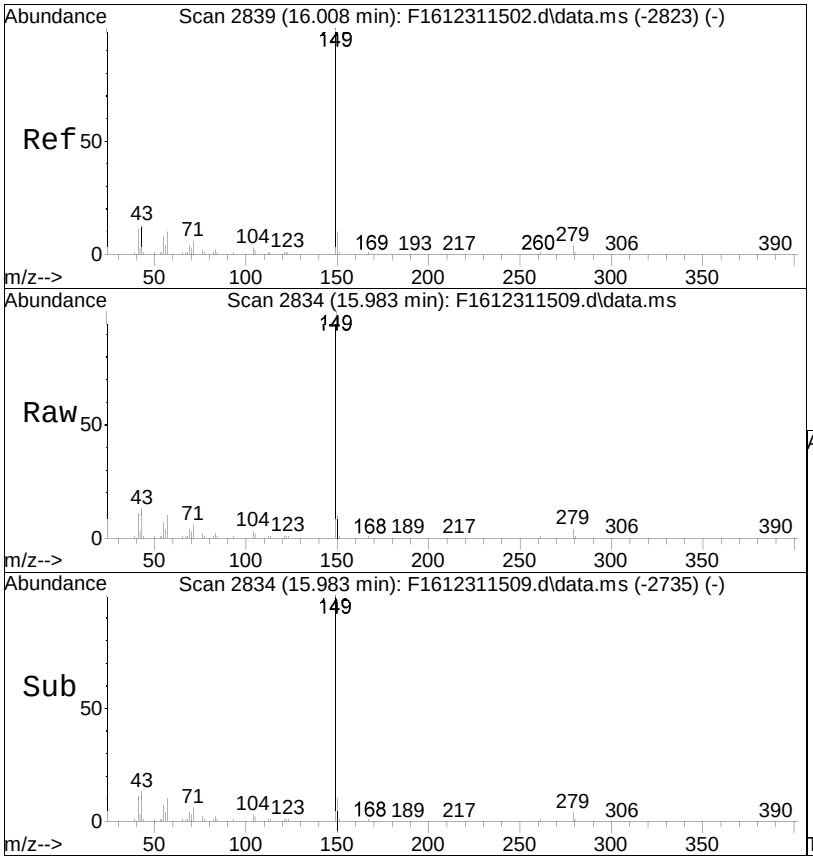


#84
bis(2-Ethylhexyl)phthalate
Concen: 9.17 ug/mL
RT: 14.443 min Scan# 2514
Delta R.T. -0.024 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:149 Resp: 1006491

Ion	Ratio	Lower	Upper
149	100		
167	27.6	26.2	39.4
279	4.8	5.2	7.8#

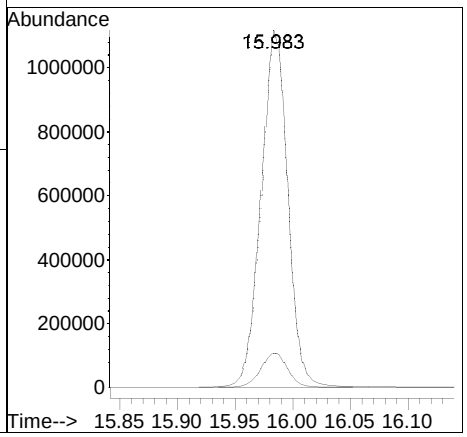


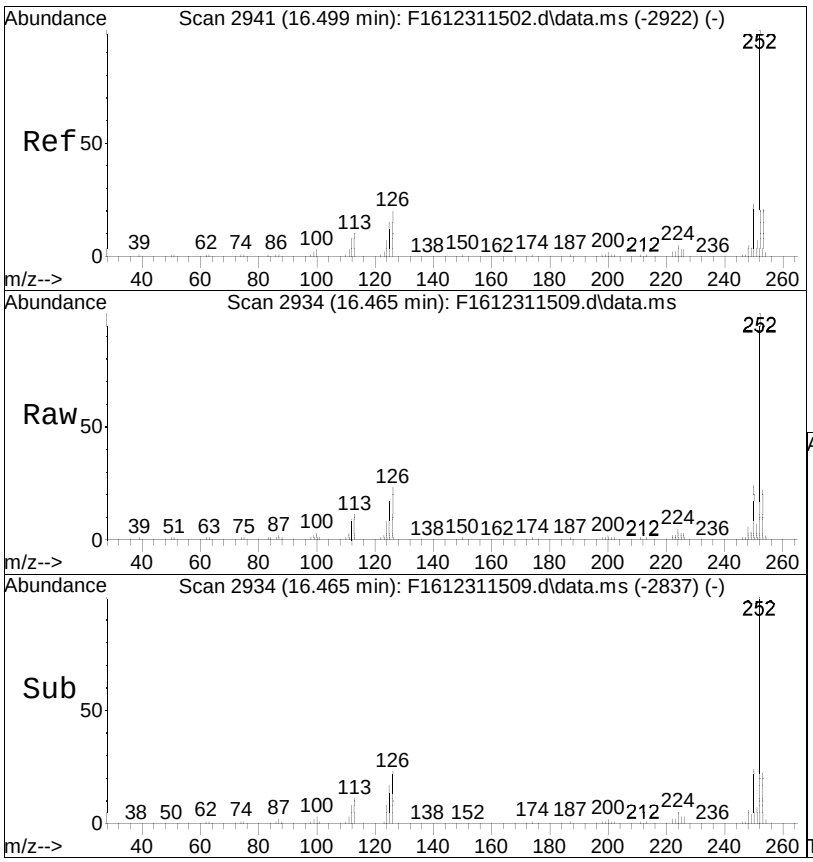


#86
Di-n-octylphthalate
Concen: 9.66 ug/mL
RT: 15.983 min Scan# 2834
Delta R.T. -0.024 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:149 Resp: 1778480

Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.9	11.9

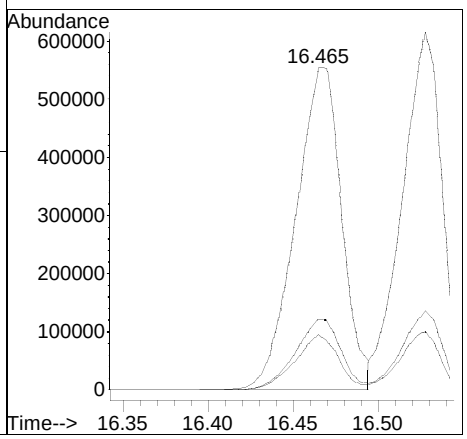


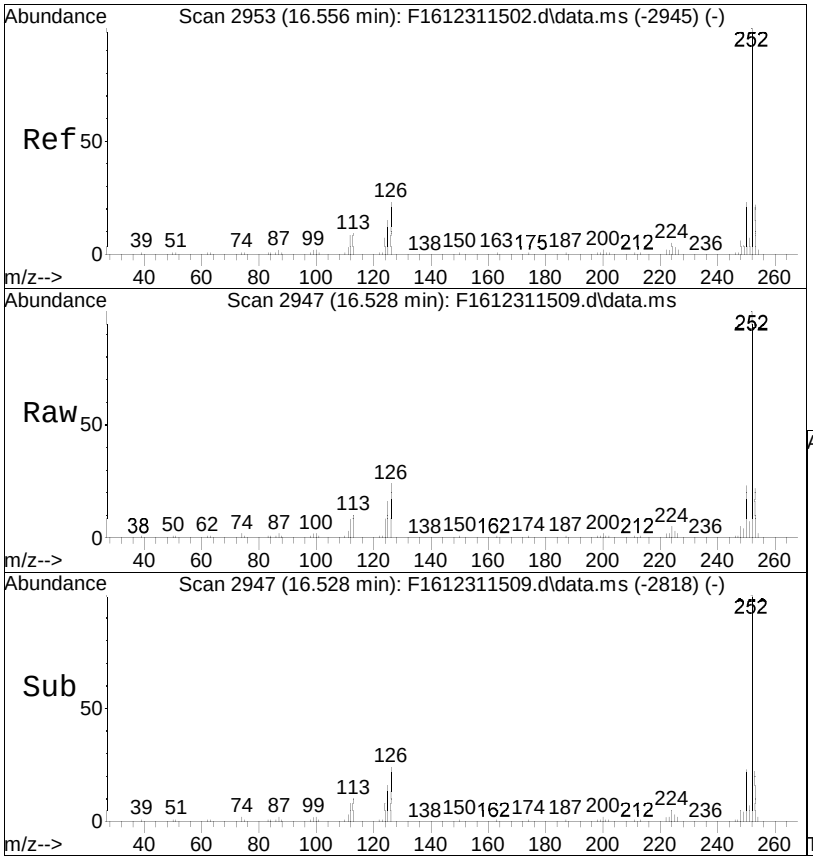


#87
Benzo[b]fluoranthene
Concen: 8.69 ug/mL
RT: 16.465 min Scan# 2934
Delta R.T. -0.034 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:252 Resp: 1046395

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0
125	16.4	10.6	16.0#

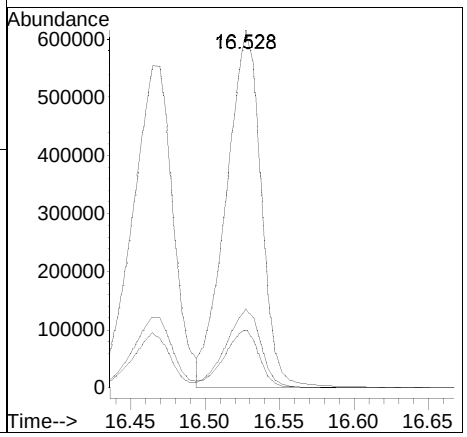


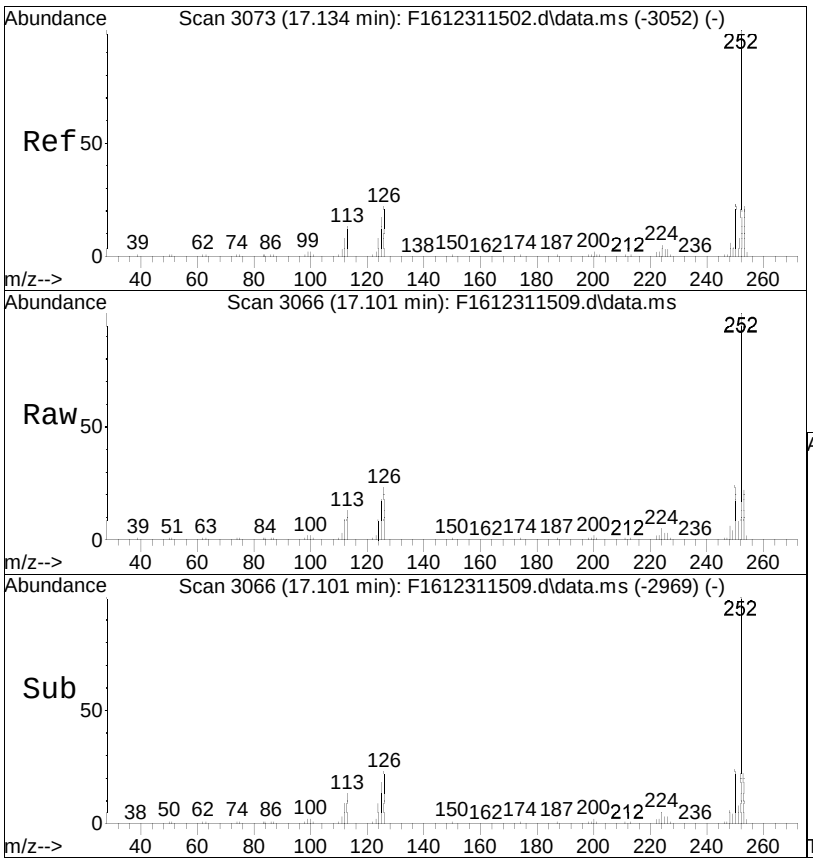


#88
Benzo[k]fluoranthene
Concen: 8.74 ug/mL
RT: 16.528 min Scan# 2947
Delta R.T. -0.029 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:252 Resp: 1005886

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	16.2	10.3	15.5#

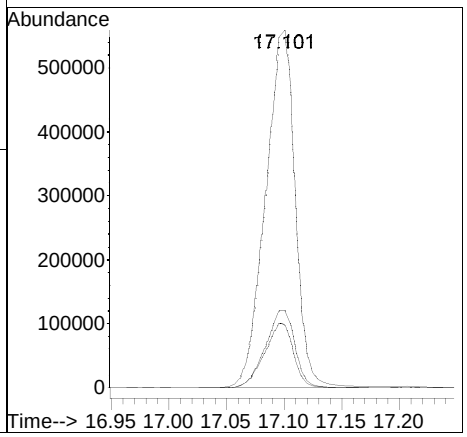


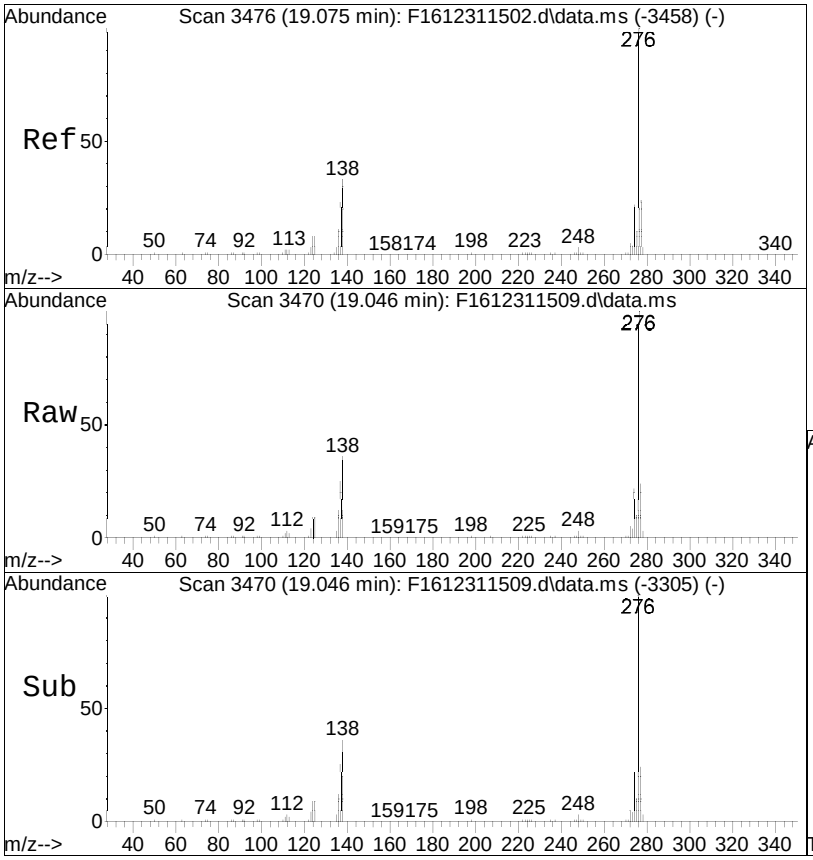


#89
Benzo[a]pyrene
Concen: 8.75 ug/mL
RT: 17.101 min Scan# 3066
Delta R.T. -0.034 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:252 Resp: 990555

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	17.9	11.4	17.2#

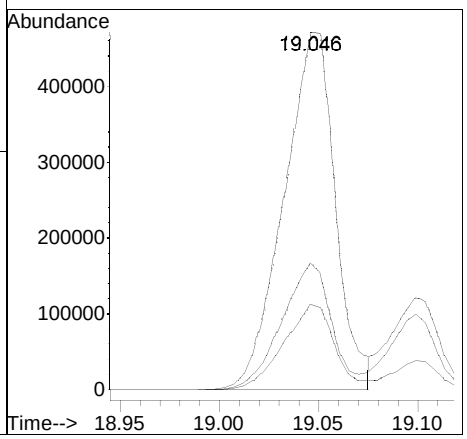


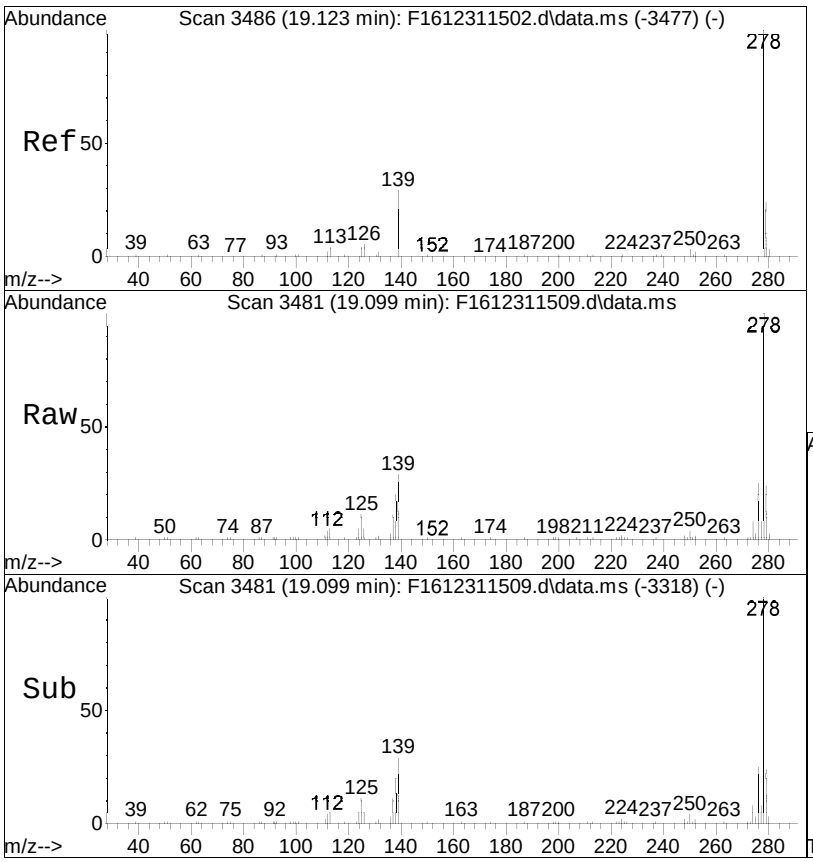


#90
Indeno[1,2,3-cd]pyrene
Concen: 8.70 ug/mL
RT: 19.046 min Scan# 3470
Delta R.T. -0.029 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:276 Resp: 845654

Ion	Ratio	Lower	Upper
276	100		
138	34.5	23.4	35.0
277	23.9	19.2	28.8

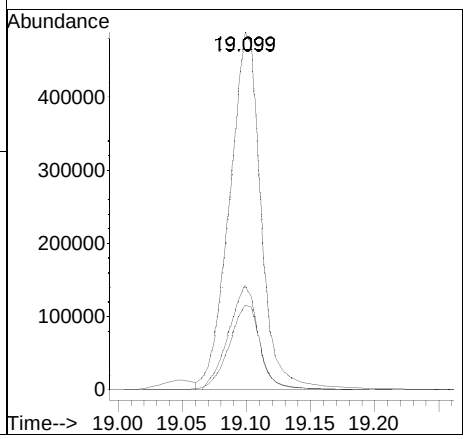


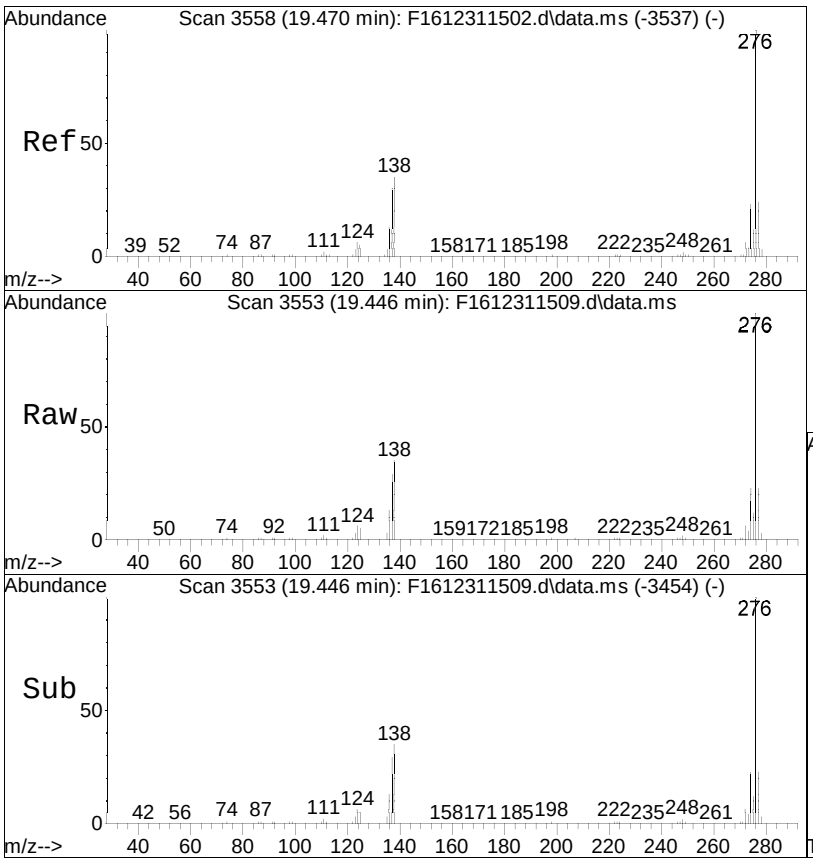


#91
Dibenz[a,h]anthracene
Concen: 8.69 ug/mL M4
RT: 19.099 min Scan# 3481
Delta R.T. -0.024 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:278 Resp: 834221

Ion	Ratio	Lower	Upper
278	100		
139	28.4	18.5	27.7#
279	24.3	18.9	28.3

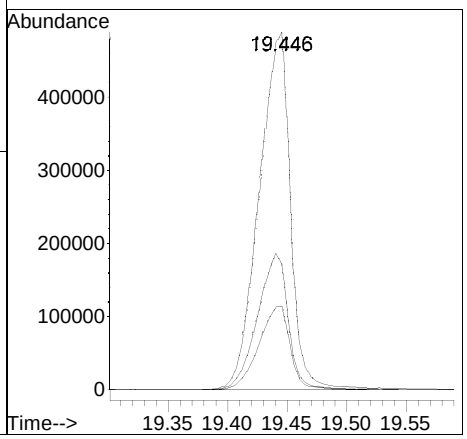




#92
Benzo[g,h,i]perylene
Concen: 8.78 ug/mL
RT: 19.446 min Scan# 3553
Delta R.T. -0.024 min
Lab File: F1612311509.d
Acq: 31 Dec 2015 3:42 pm

Tgt Ion:276 Resp: 882735

Ion	Ratio	Lower	Upper
276	100		
138	37.8	20.3	30.5#
277	23.8	19.0	28.4



LCS Duplicate Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311510.d
Acq On : 31 Dec 2015 4:11 pm
Operator : PAH16:JT
Sample : WG852537-3
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 04 15:19:04 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.422	152	203599	5.000	ug/mL	-0.01
21) Naphthalene-d8	5.578	136	791455	5.000	ug/mL	-0.01
38) Acenaphthene-d10	7.273	164	380648	5.000	ug/mL	-0.01
61) Phenanthrene-d10	8.972	188	698446	5.000	ug/mL	-0.01
76) Chrysene-d12	14.072	240	602972	5.000	ug/mL	-0.02
85) Perylene-d12	17.206	264	490759	5.000	ug/mL	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	3.382	112	442229	7.757	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 38.78%			
8) Phenol-d5	4.109	99	428843	5.578	ug/mL	-0.01
Spiked Amount 20.000	Range 10 - 94		Recovery = 27.89%			
22) Nitrobenzene-d5	4.918	82	941135	14.090	ug/mL	-0.01
Spiked Amount 20.000	Range 35 - 114		Recovery = 70.45%			
43) 2-Fluorobiphenyl	6.622	172	1500261	13.906	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 69.53%			
65) 2,4,6-Tribromophenol	8.101	330	160216	17.297	ug/mL	-0.01
Spiked Amount 20.000	Range 10 - 123		Recovery = 86.48%			
79) Terphenyl-d14	11.813	244	1669402	18.601	ug/mL	-0.02
Spiked Amount 20.000	Range 33 - 141		Recovery = 93.00%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.448	74	155665	4.541	ug/mL#	71
3) Pyridine	2.467	79	242287	3.873	ug/mL#	77
5) Benzaldehyde	4.061	77	324664	6.916	ug/ml	97
6) Aniline	4.143	93	539793M4	6.203	ug/ml	
7) bis(2-Chloroethyl)ether	4.196	63	307978	6.403	ug/mL	83
9) Phenol	4.123	94	235829	2.968	ug/mL#	75
10) 2-Chlorophenol	4.244	128	369629	5.876	ug/mL#	90
11) 1,3-Dichlorobenzene	4.369	146	229568	3.392	ug/mL	99
12) 1,4-Dichlorobenzene	4.436	146	236691M4	3.473	ug/mL	
13) 1,2-Dichlorobenzene	4.566	146	229820	3.589	ug/mL	99
14) Benzyl alcohol	4.542	108	259120	6.500	ug/mL	88
15) bis(2-chloroisopropyl)eth	4.658	45	561131	6.045	ug/mL#	41
16) 2-Methylphenol	4.643	108	327911	5.931	ug/mL	100
17) Acetophenone	4.778	105	596281	8.304	ug/ml#	78
18) Hexachloroethane	4.865	117	98562	3.447	ug/mL#	81
19) N-Nitroso-di-n-propylamin	4.778	70	354714	7.431	ug/mL#	86
20) 4-Methylphenol	4.783	108	362346	6.028	ug/mL	100
23) Nitrobenzene	4.937	77	441171	6.341	ug/mL	94

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311510.d
Acq On : 31 Dec 2015 4:11 pm
Operator : PAH16:JT
Sample : WG852537-3
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 04 15:19:04 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
24) Isophorone	5.154	82	802802	7.773	ug/mL		97
25) 2-Nitrophenol	5.226	139	205601	6.361	ug/mL	#	81
26) 2,4-Dimethylphenol	5.269	107	386998	7.812	ug/mL		96
27) Benzoic acid	5.370	105	274392M4	6.691	ug/mL		
28) bis(2-Chloroethoxy)methan	5.356	93	512464	7.393	ug/mL		99
29) 2,4-Dichlorophenol	5.452	162	318168	7.045	ug/mL	#	95
30) 1,2,4-Trichlorobenzene	5.525	180	179594	3.728	ug/mL		98
31) Naphthalene	5.597	128	761540	4.295	ug/mL		100
32) 2-Chloroaniline	5.192	127	599920	6.539	ug/ml		100
33) 4-Chloroaniline	5.659	127	494843	6.884	ug/mL	#	1
34) Hexachlorobutadiene	5.712	225	82805	3.420	ug/mL		99
35) Caprolactam	5.987	113	45604M4	2.814	ug/ml		
36) 4-Chloro-3-methylphenol	6.131	107	423411	8.040	ug/mL		98
37) 2-Methylnaphthalene	6.261	142	503460	4.375	ug/mL		99
39) 1,2,4,5-Tetrachlorobenzen	6.420	216	166338	4.001	ug/mL		99
40) Hexachlorocyclopentadiene	6.406	237	71521	4.053	ug/mL		99
41) 2,4,6-Trichlorophenol	6.541	196	226447	7.772	ug/mL		99
42) 2,4,5-Trichlorophenol	6.579	196	248268	8.215	ug/mL		99
44) Biphenyl	6.714	154	865771	7.175	ug/ml		98
45) 2-Chloronaphthalene	6.733	162	461243	4.741	ug/mL	#	88
46) 2-Nitroaniline	6.844	65	333340	8.971	ug/mL	#	80
47) Acenaphthylene	7.133	152	979182	5.842	ug/mL		100
48) Dimethylphthalate	7.022	163	905530	8.560	ug/mL		99
49) 2,6-Dinitrotoluene	7.085	165	209241	8.454	ug/mL	#	79
50) Acenaphthene	7.306	153	582784	5.528	ug/mL		98
51) 3-Nitroaniline	7.248	138	229886	7.964	ug/mL		84
52) 2,4-Dinitrophenol	7.354	184	140248	8.225	ug/mL	#	69
53) Dibenzofuran	7.475	168	793994	5.902	ug/mL		90
54) 2,3,4,6-Tetrachlorophenol	7.605	232	168629	8.490		#	93
55) 2,4-Dinitrotoluene	7.480	165	296277	8.658	ug/mL	#	46
56) 4-Nitrophenol	7.431	109	76752	4.790	ug/mL		83
57) Fluorene	7.831	166	722538	6.524	ug/mL		99
58) 4-Chlorophenyl-phenylethe	7.836	204	275822	5.772	ug/mL		91
59) Diethylphthalate	7.725	149	1018007	8.943	ug/mL		96
60) 4-Nitroaniline	7.870	138	252340	9.048	ug/mL	#	79
62) 4,6-Dinitro-2-methylpheno	7.903	198	171020	8.661	ug/mL	#	100
63) Azobenzene	8.009	182	217021	7.126	ug/mL		47
64) n-Nitrosodiphenylamine	7.971	169	652427	8.499	ug/mL		99
66) 4-Bromophenyl-phenylether	8.394	248	150047	6.406	ug/mL	#	88
67) Hexachlorobenzene	8.457	284	153702	6.598	ug/mL	#	78
68) Atrazine	8.626	200	245220	9.458	ug/ml		99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311510.d
Acq On : 31 Dec 2015 4:11 pm
Operator : PAH16:JT
Sample : WG852537-3
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 04 15:19:04 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	8.722	266	137675	8.328	ug/mL	99
70) Pentachloronitrobenzene	8.732	237	101507	8.809	ug/ml	98
71) Phenanthrene	9.006	178	1166787	7.651	ug/mL	99
72) Anthracene	9.078	178	1190798	8.017	ug/mL	99
73) Carbazole	9.329	167	1292896	8.943	ug/mL	98
74) Di-n-butylphthalate	9.935	149	1673793	9.380	ug/mL#	98
75) Fluoranthene	10.966	202	1295924	8.655	ug/mL#	94
77) Benzidine	11.303	184	854258	7.497	ug/mL	100
78) Pyrene	11.399	202	1333236	8.819	ug/mL#	93
80) Butylbenzylphthalate	12.983	149	772571	9.640	ug/mL#	86
81) 3,3'-Dichlorobenzidine	14.096	252	313478	7.039	ug/mL	98
82) Benz[a]anthracene	14.052	228	1164229	8.665	ug/mL	100
83) Chrysene	14.134	228	1105842	8.636	ug/mL	99
84) bis(2-Ethylhexyl)phthalat	14.443	149	979862	9.424	ug/mL#	92
86) Di-n-octylphthalate	15.983	149	1755369	10.117	ug/mL	100
87) Benzo[b]fluoranthene	16.465	252	1032765M4	9.097	ug/mL	
88) Benzo[k]fluoranthene	16.528	252	996592	9.189	ug/mL#	97
89) Benzo[a]pyrene	17.101	252	969658	9.083	ug/mL#	97
90) Indeno[1,2,3-cd]pyrene	19.046	276	836339	9.125	ug/mL	95
91) Dibenz[a,h]anthracene	19.099	278	818794M4	9.052	ug/mL	
92) Benzo[g,h,i]perylene	19.441	276	871601	9.195	ug/mL#	88

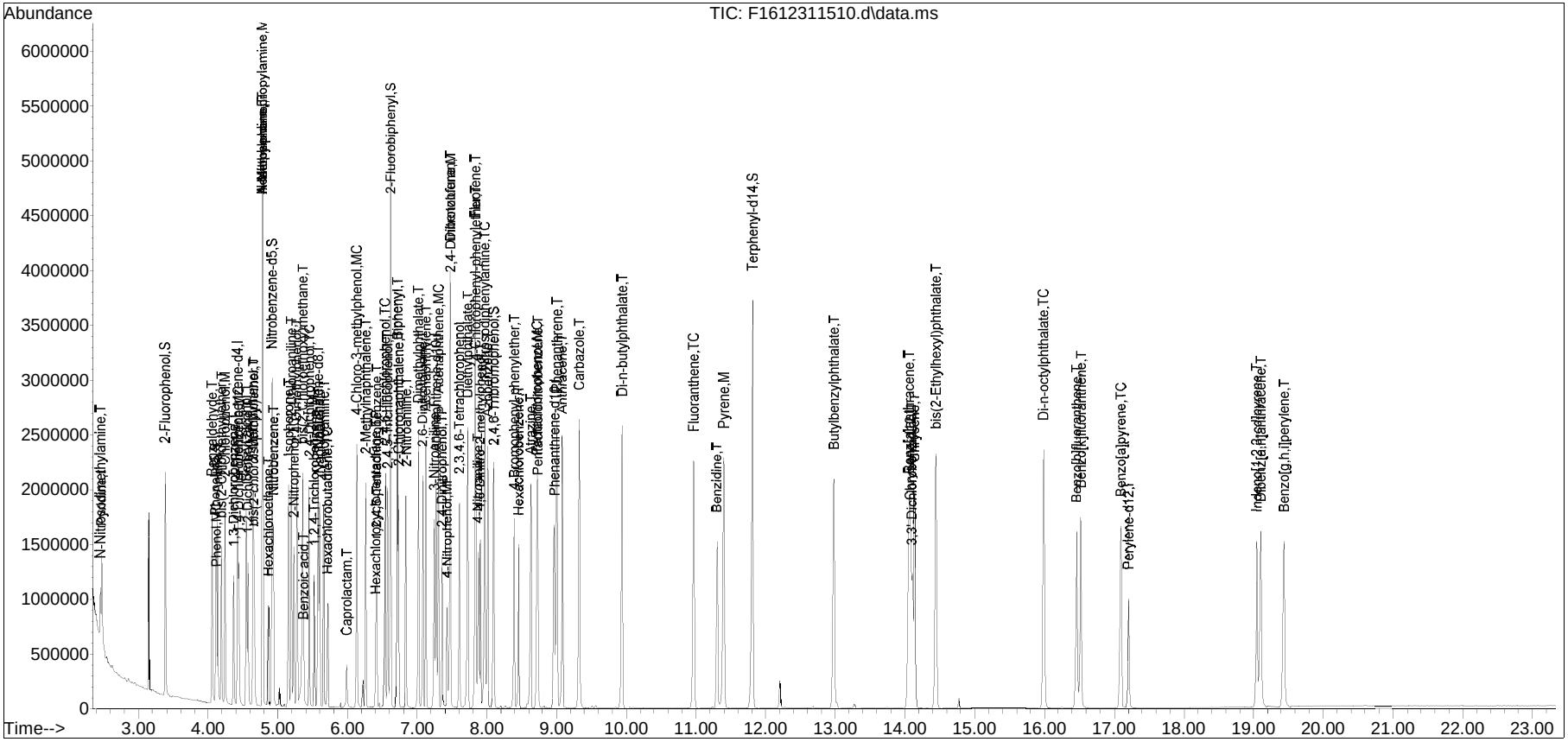
(#) = qualifier out of range (m) = manual integration (+) = signals summed

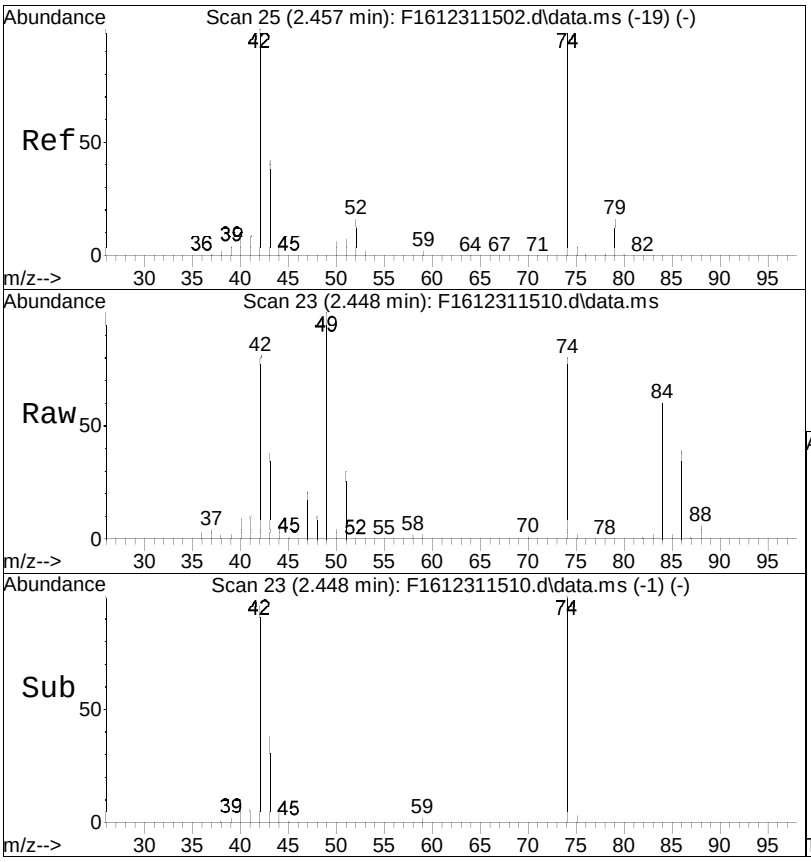
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311510.d
Acq On : 31 Dec 2015 4:11 pm
Operator : PAH16:JT
Sample : WG852537-3
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 04 15:19:04 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

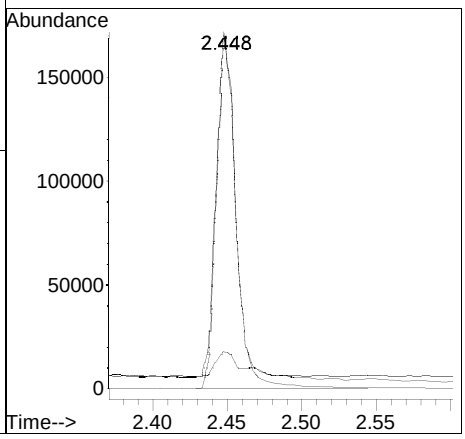


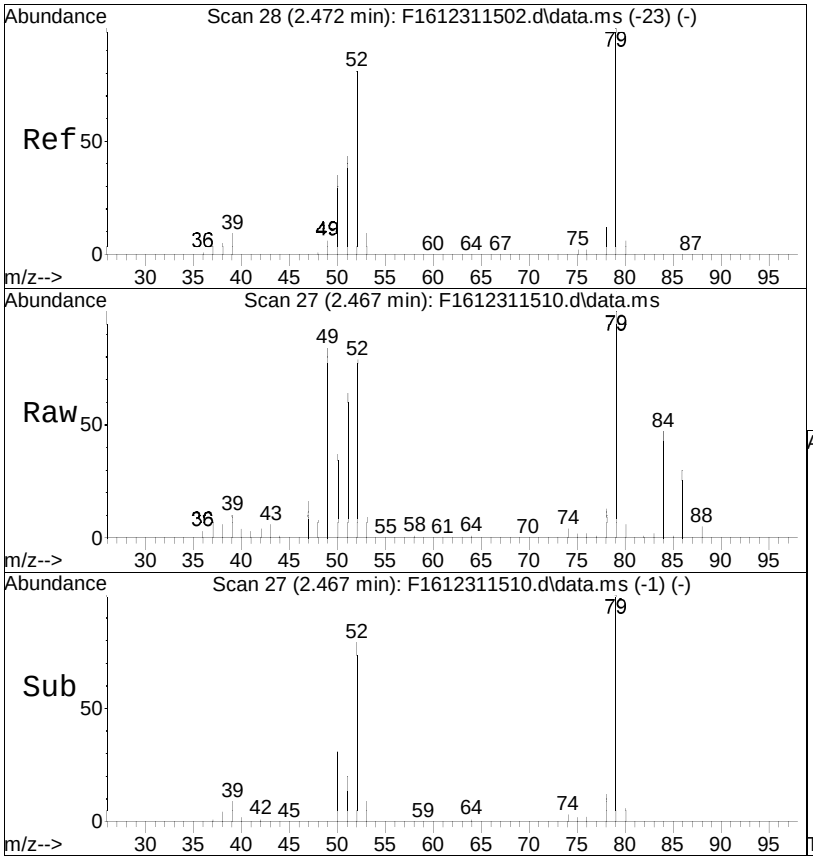


#2
N-Nitrosodimethylamine
Concen: 4.54 ug/mL
RT: 2.448 min Scan# 23
Delta R.T. -0.010 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion: 74 Resp: 155665

Ion	Ratio	Lower	Upper
74	100		
42	94.4	55.2	82.8#
40	7.6	4.4	6.6#

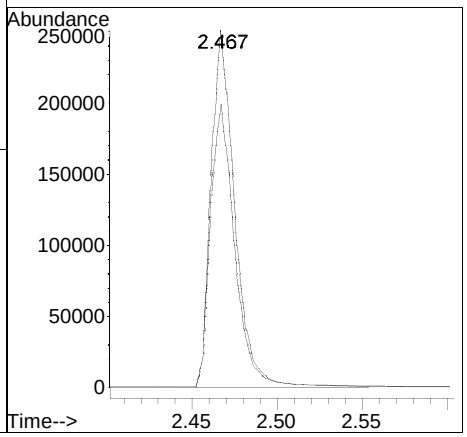


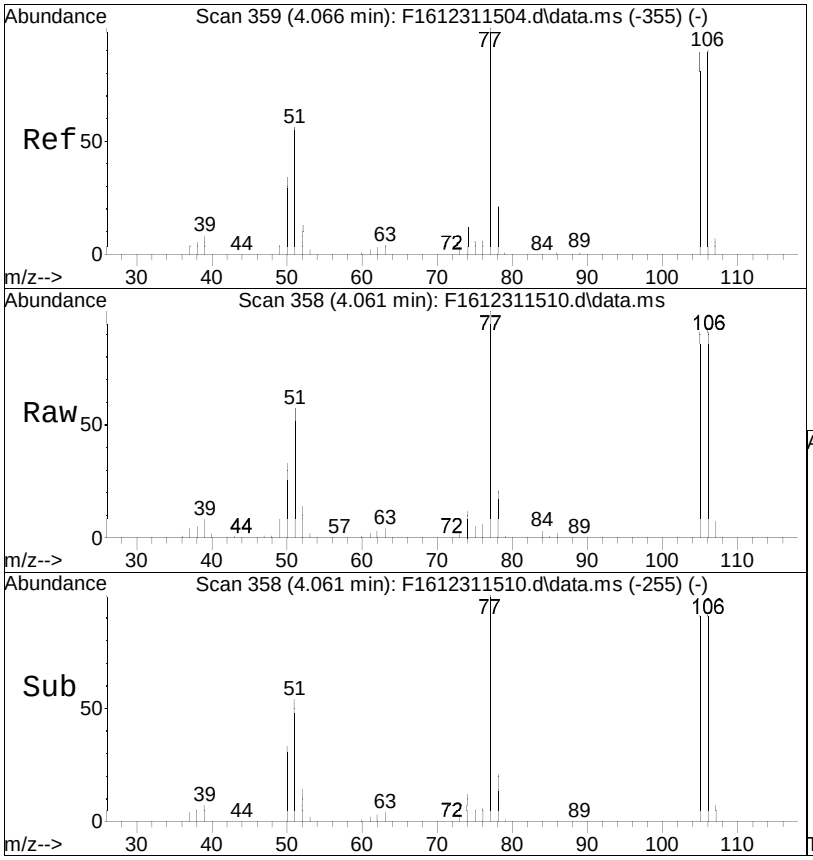


#3
Pyridine
Concen: 3.87 ug/mL
RT: 2.467 min Scan# 27
Delta R.T. -0.005 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion: 79 Resp: 242287

Ion	Ratio	Lower	Upper
79	100		
52	79.5	49.5	74.3#

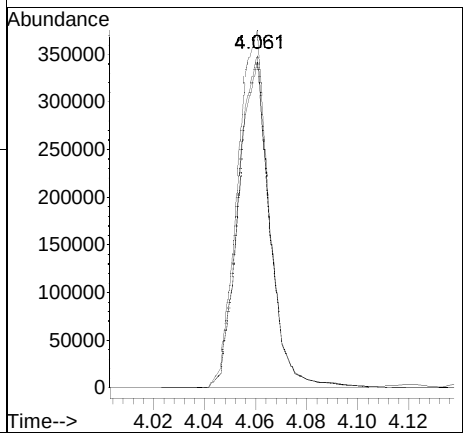


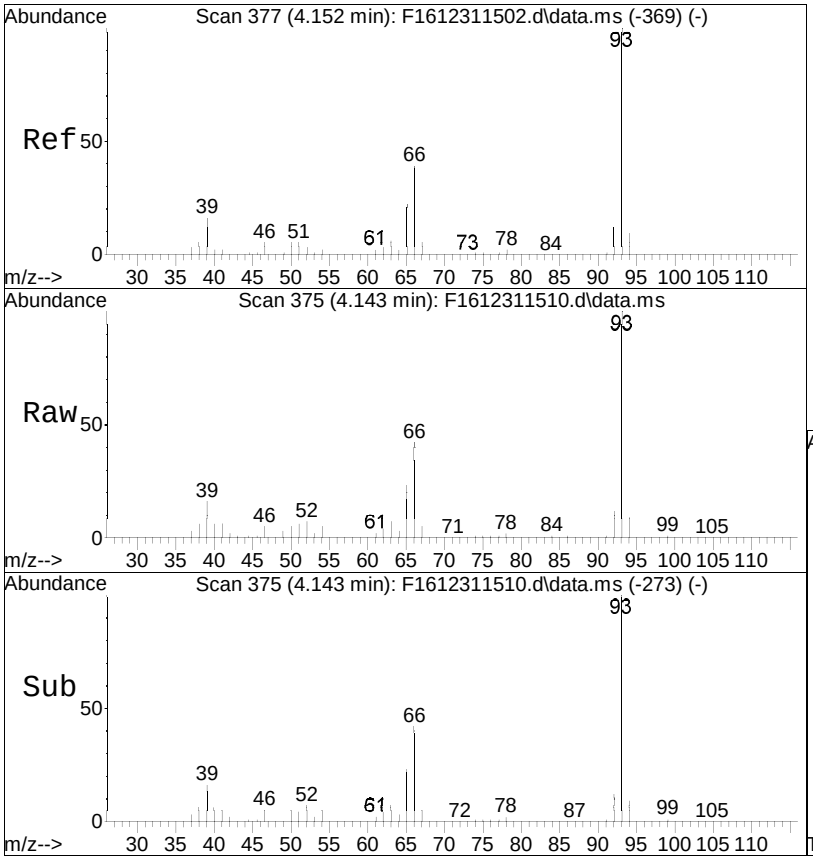


#5
Benzaldehyde
Concen: 6.92 ug/ml
RT: 4.061 min Scan# 358
Delta R.T. -0.005 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion: 77 Resp: 324664

Ion	Ratio	Lower	Upper
77	100		
105	89.1	73.7	110.5
106	91.5	75.9	113.9

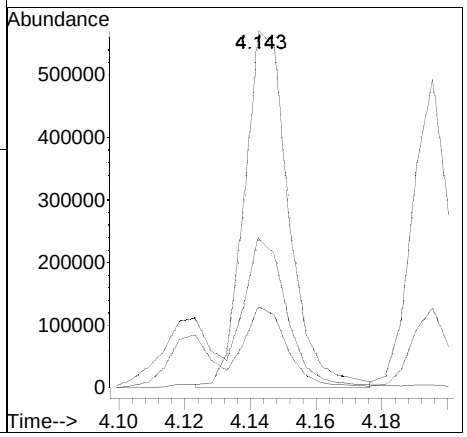


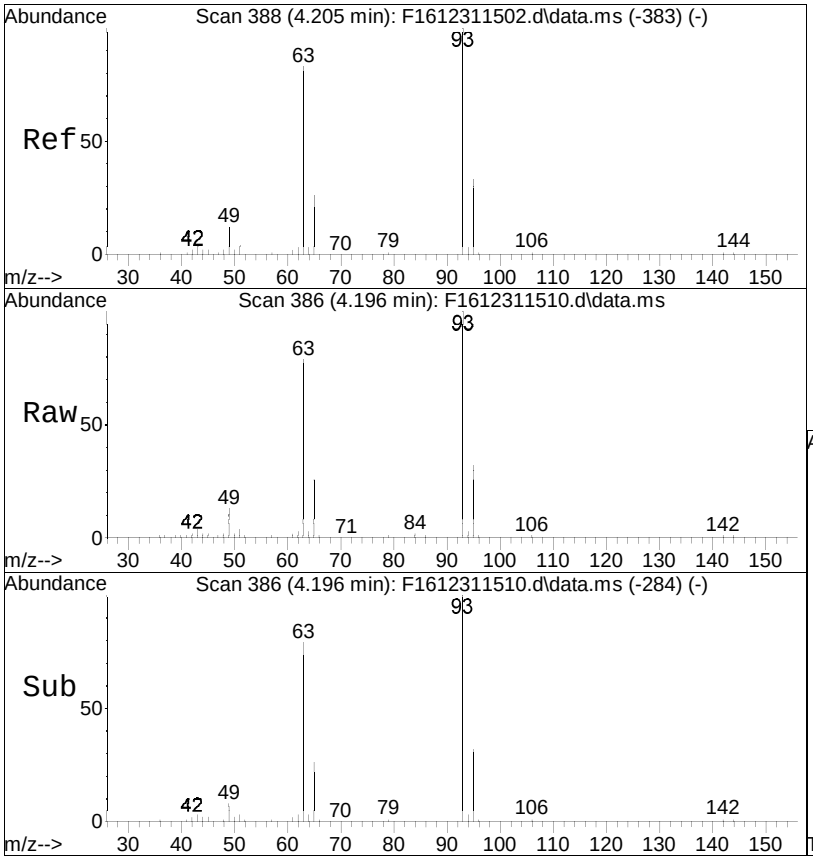


#6
Aniline
Concen: 6.20 ug/ml M4
RT: 4.143 min Scan# 375
Delta R.T. -0.010 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion: 93 Resp: 539793

Ion	Ratio	Lower	Upper
93	100		
66	40.1	220.7	331.1#
65	21.6	23.4	35.2#

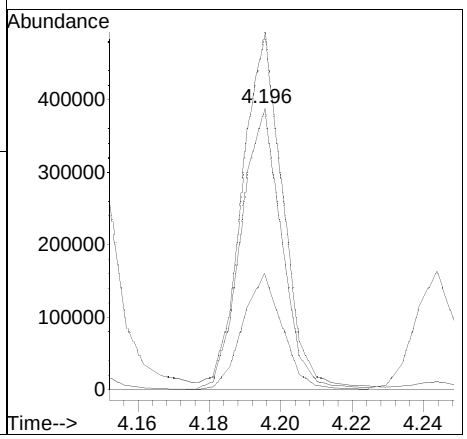


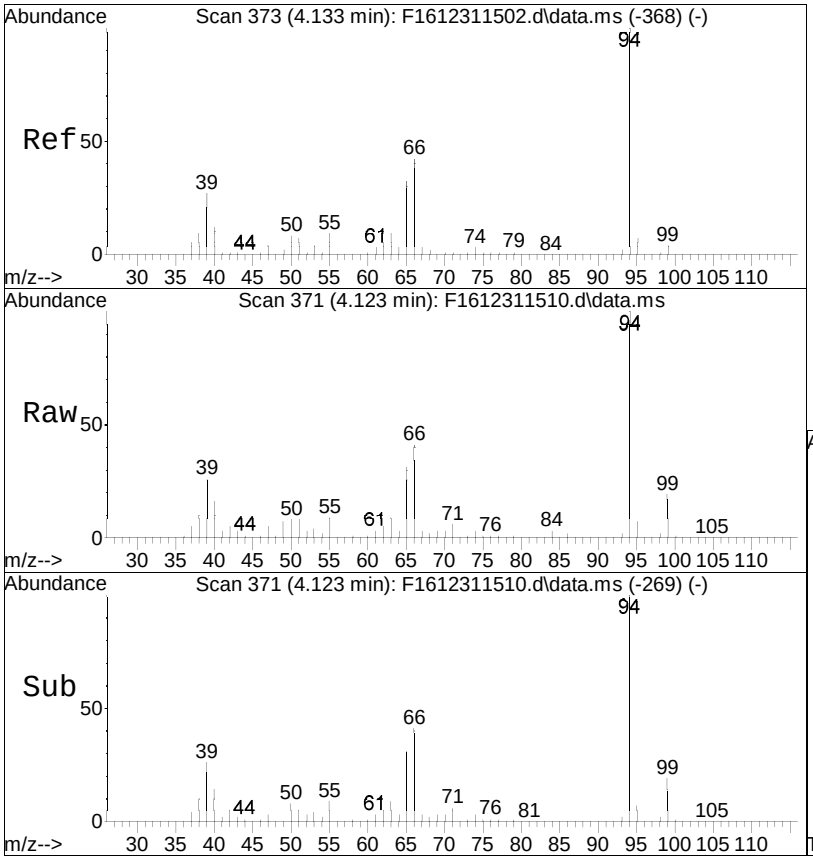


#7
bis(2-Chloroethyl)ether
Concen: 6.40 ug/mL
RT: 4.196 min Scan# 386
Delta R.T. -0.010 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion: 63 Resp: 307978

Ion	Ratio	Lower	Upper
63	100		
93	124.7	118.5	177.7
95	40.3	38.8	58.2

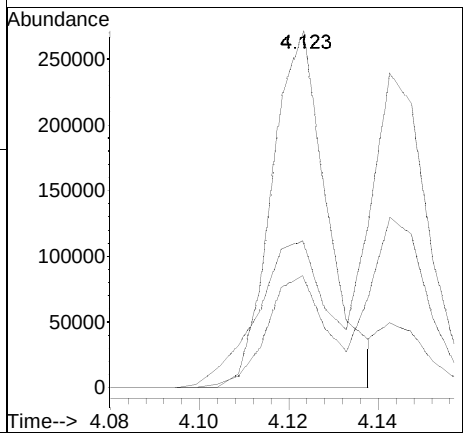


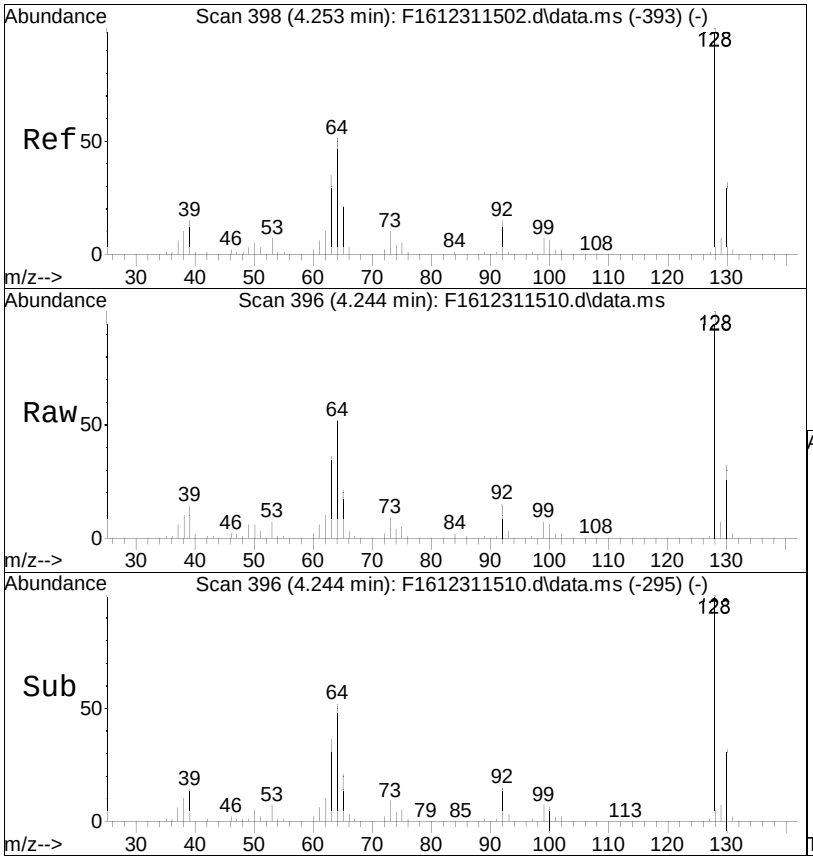


#9
Phenol
Concen: 2.97 ug/mL
RT: 4.123 min Scan# 371
Delta R.T. -0.010 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion: 94 Resp: 235829

Ion	Ratio	Lower	Upper
94	100		
66	52.7	27.5	41.3#
65	34.0	20.7	31.1#

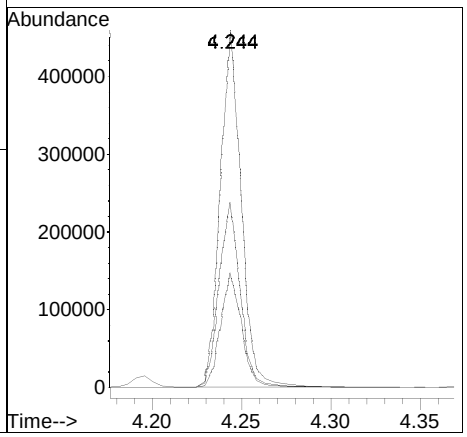


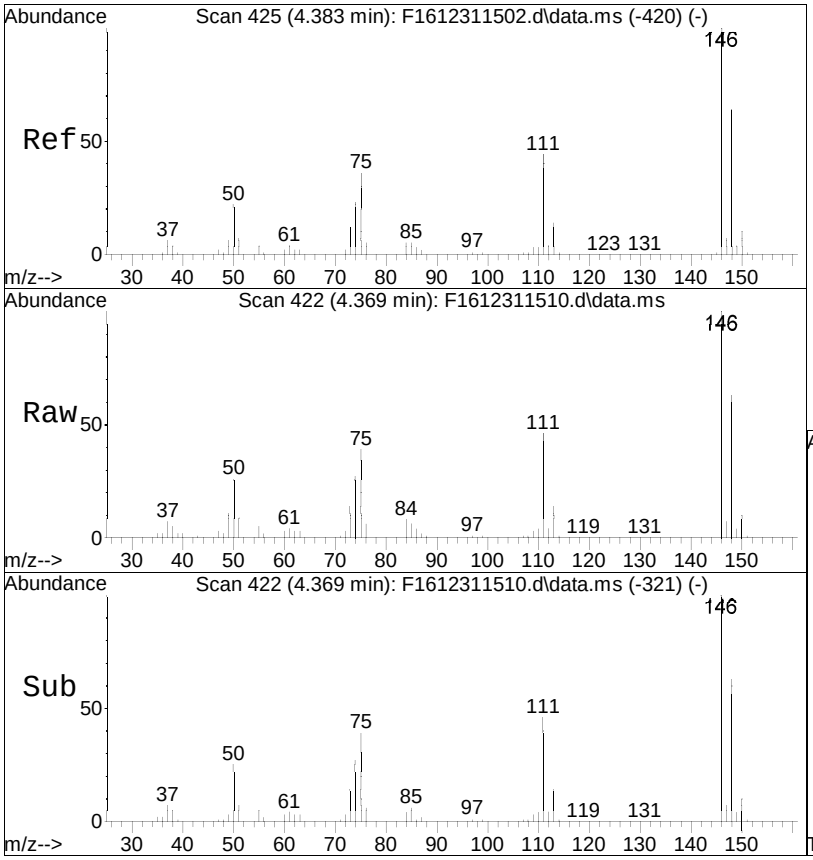


#10
2-Chlorophenol
Concen: 5.88 ug/mL
RT: 4.244 min Scan# 396
Delta R.T. -0.010 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:128 Resp: 369629

Ion	Ratio	Lower	Upper
128	100		
64	52.2	33.1	49.7#
130	32.4	25.7	38.5

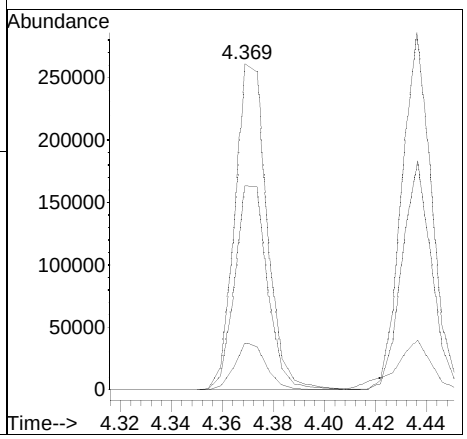


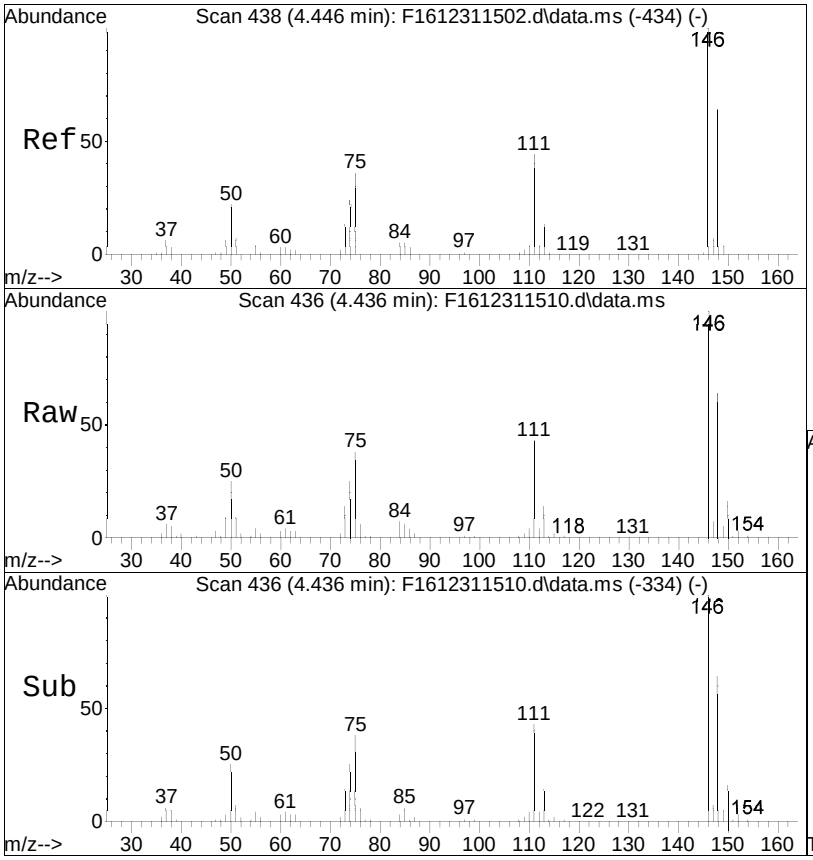


#11
1,3-Dichlorobenzene
Concen: 3.39 ug/mL
RT: 4.369 min Scan# 422
Delta R.T. -0.014 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:146 Resp: 229568

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.2	76.8
113	13.9	10.6	16.0

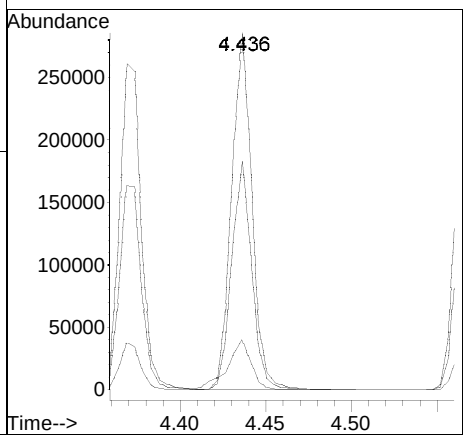


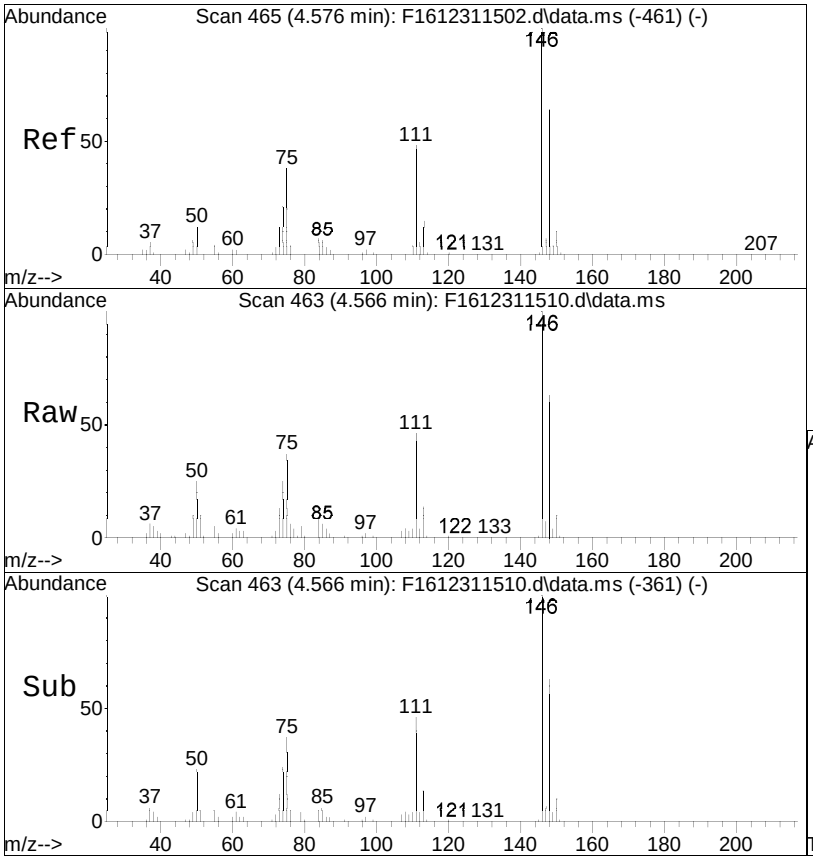


#12
1,4-Dichlorobenzene
Concen: 3.47 ug/mL M4
RT: 4.436 min Scan# 436
Delta R.T. -0.010 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:146 Resp: 236691

Ion	Ratio	Lower	Upper
146	100		
148	61.8	50.6	76.0
113	13.5	10.6	15.8

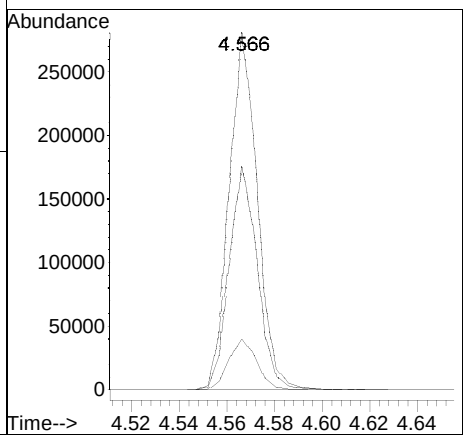


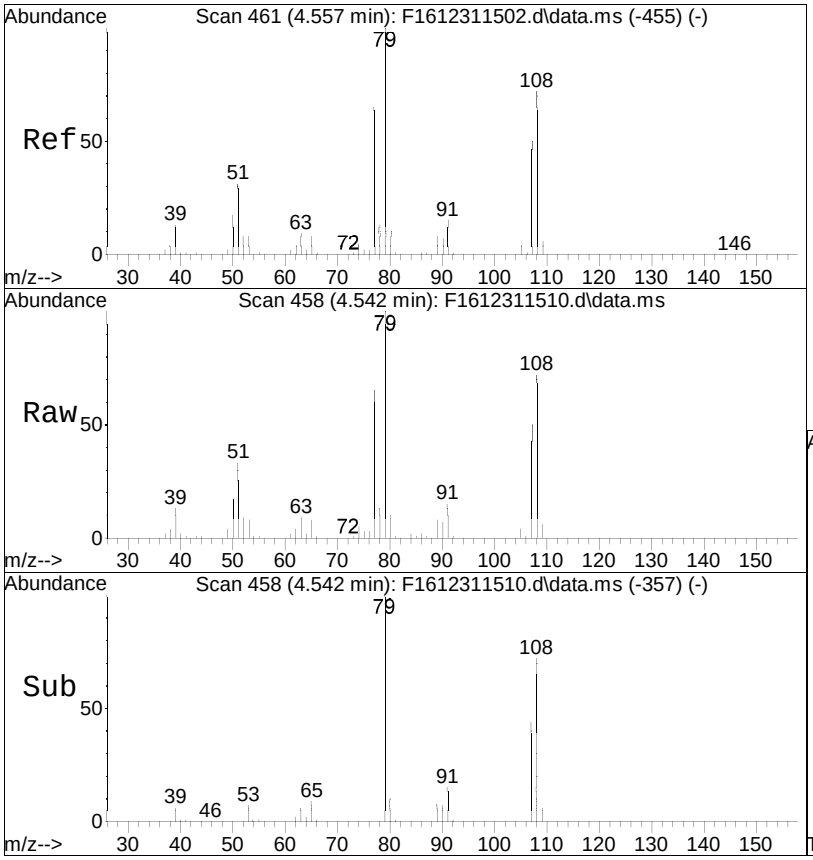


#13
1,2-Dichlorobenzene
Concen: 3.59 ug/mL
RT: 4.566 min Scan# 463
Delta R.T. -0.010 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:146 Resp: 229820

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.3	76.9
113	14.4	11.2	16.8

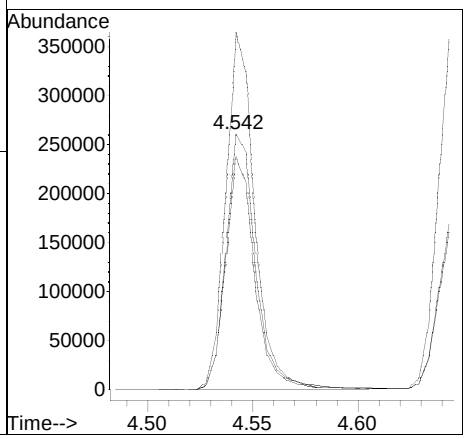


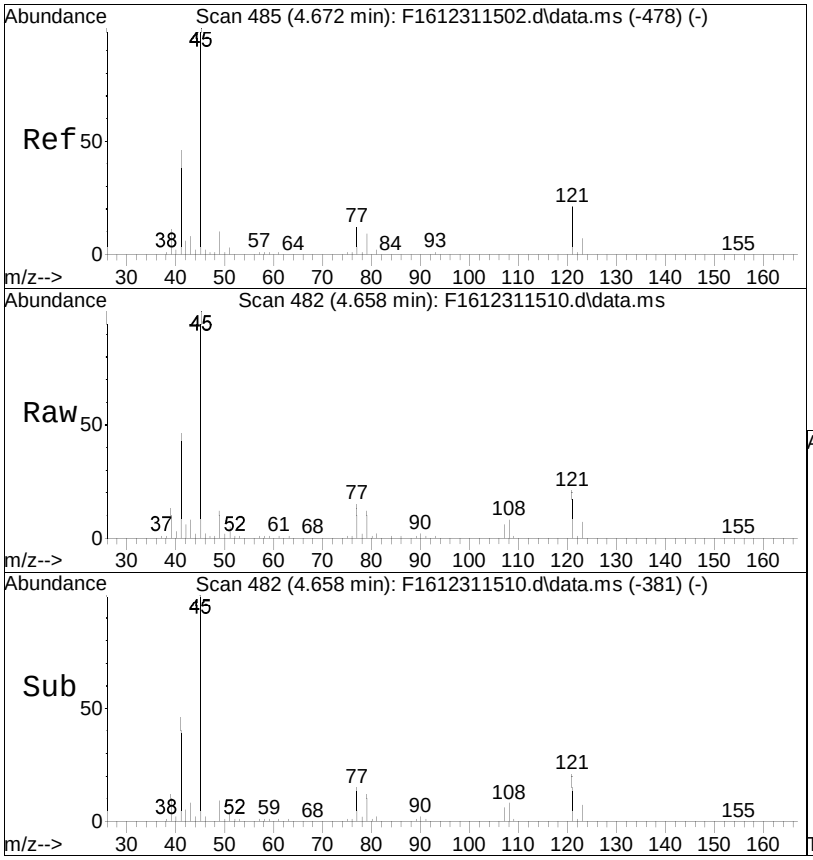


#14
Benzyl alcohol
Concen: 6.50 ug/mL
RT: 4.542 min Scan# 458
Delta R.T. -0.015 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:108 Resp: 259120

Ion	Ratio	Lower	Upper
108	100		
79	136.7	100.0	150.0
77	90.0	62.3	93.5

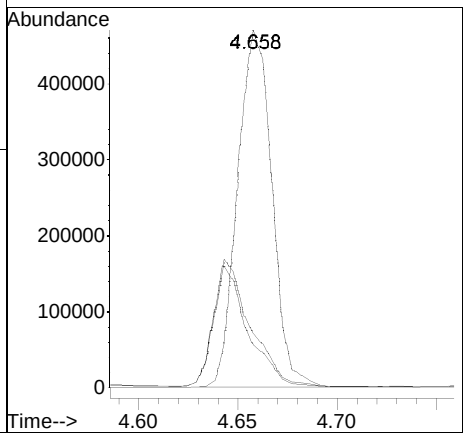


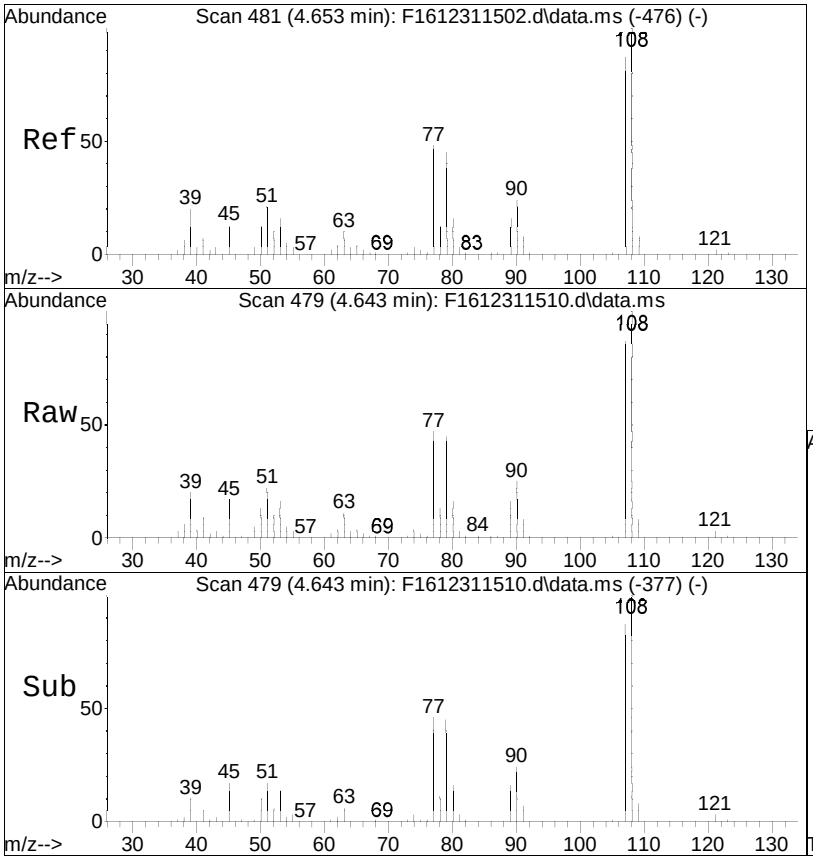


#15
bis(2-chloroisopropyl)ether
Concen: 6.05 ug/mL
RT: 4.658 min Scan# 482
Delta R.T. -0.015 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion: 45 Resp: 561131

Ion	Ratio	Lower	Upper
45	100		
77	38.7	11.8	17.6#
79	34.6	9.4	14.0#

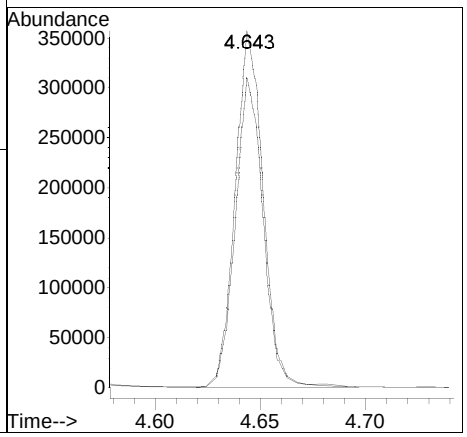


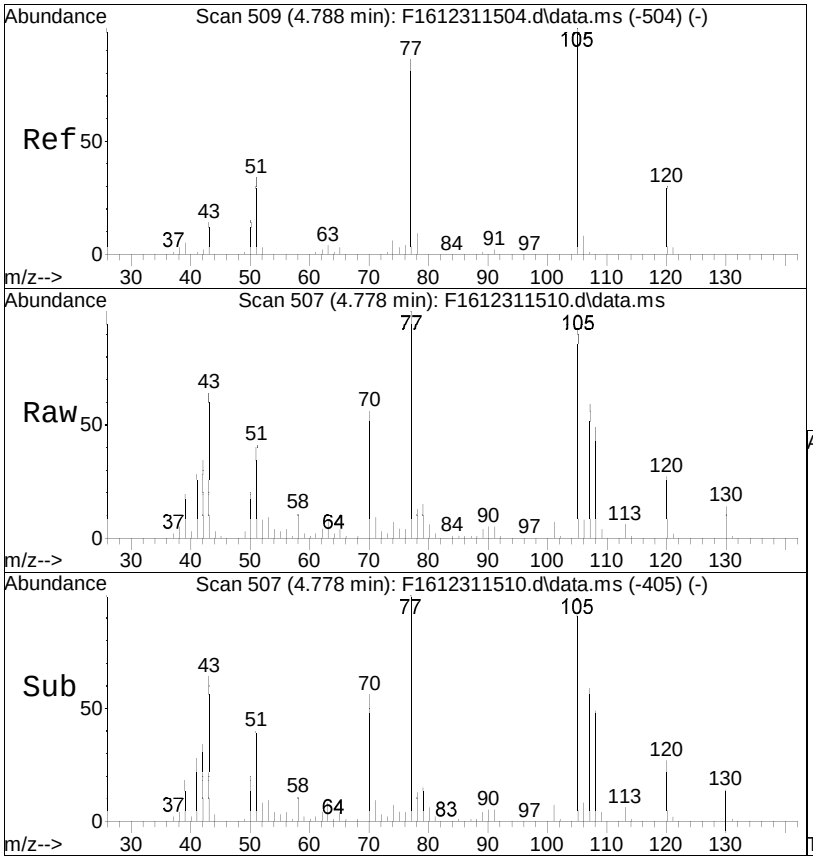


#16
2-Methylphenol
Concen: 5.93 ug/mL
RT: 4.643 min Scan# 479
Delta R.T. -0.010 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:108 Resp: 327911

Ion	Ratio	Lower	Upper
108	100		
107	85.9	68.4	102.6

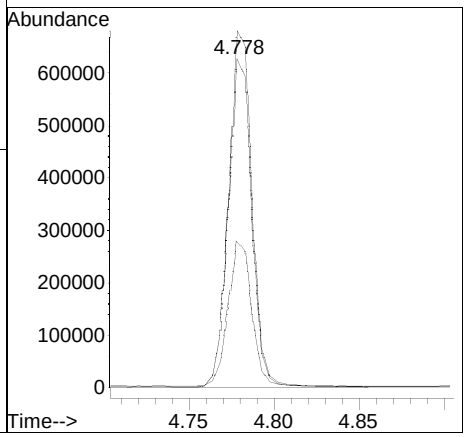


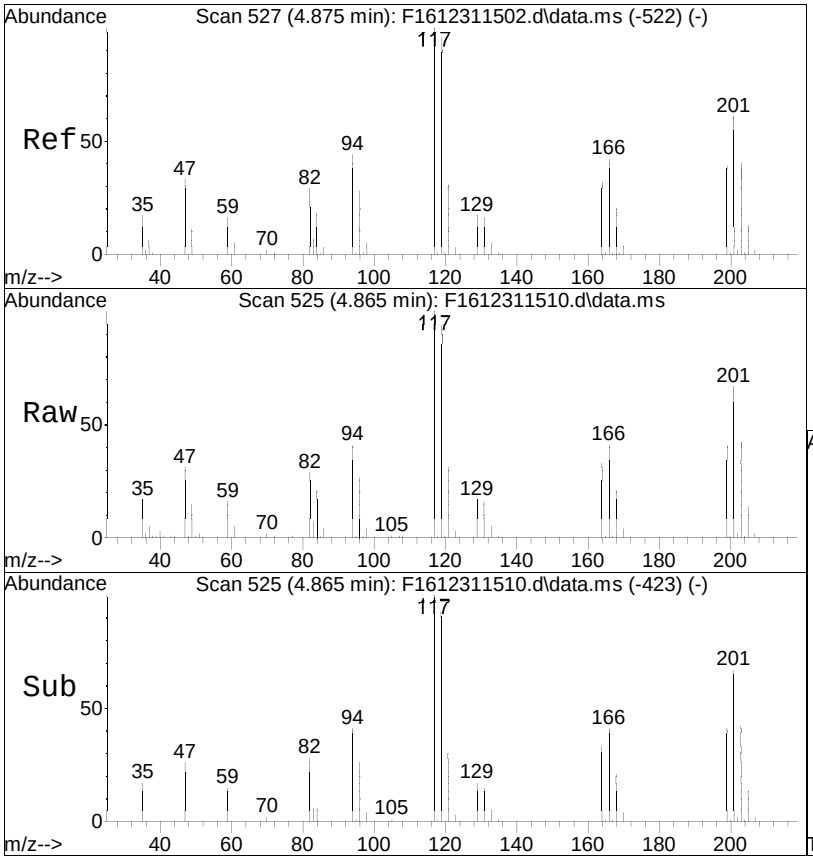


#17
Acetophenone
Concen: 8.30 ug/ml
RT: 4.778 min Scan# 507
Delta R.T. -0.010 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:105 Resp: 596281

Ion	Ratio	Lower	Upper
105	100		
77	108.7	68.6	103.0#
51	44.4	29.0	43.4#

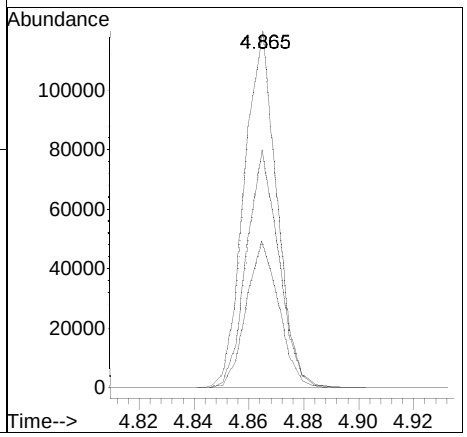


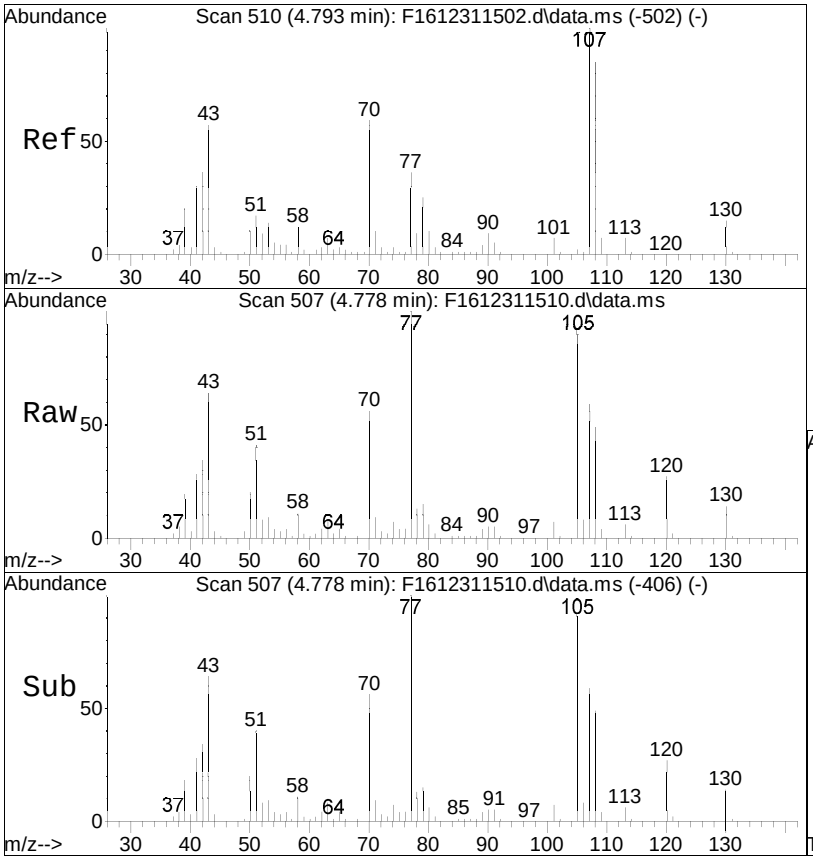


#18
Hexachloroethane
Concen: 3.45 ug/mL
RT: 4.865 min Scan# 525
Delta R.T. -0.010 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:117 Resp: 98562

Ion	Ratio	Lower	Upper
117	100		
201	65.6	67.9	101.9#
199	41.0	42.2	63.4#

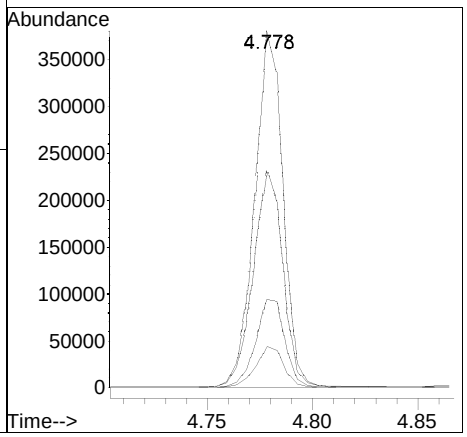


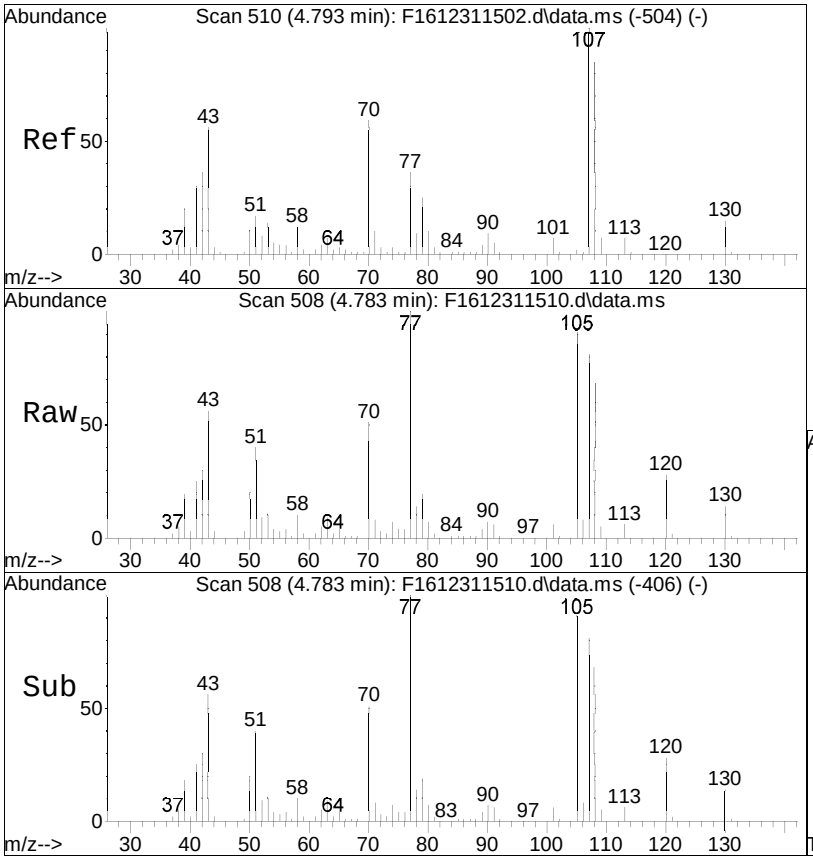


#19
N-Nitroso-di-n-propylamine
Concen: 7.43 ug/mL
RT: 4.778 min Scan# 507
Delta R.T. -0.014 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion: 70 Resp: 354714

Ion	Ratio	Lower	Upper
70	100		
42	63.7	39.6	59.4#
130	25.8	23.7	35.5
101	11.5	9.5	14.3

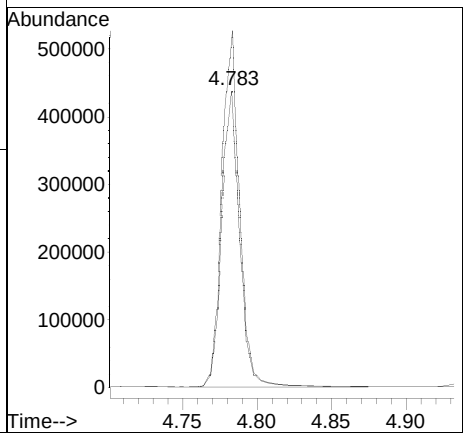


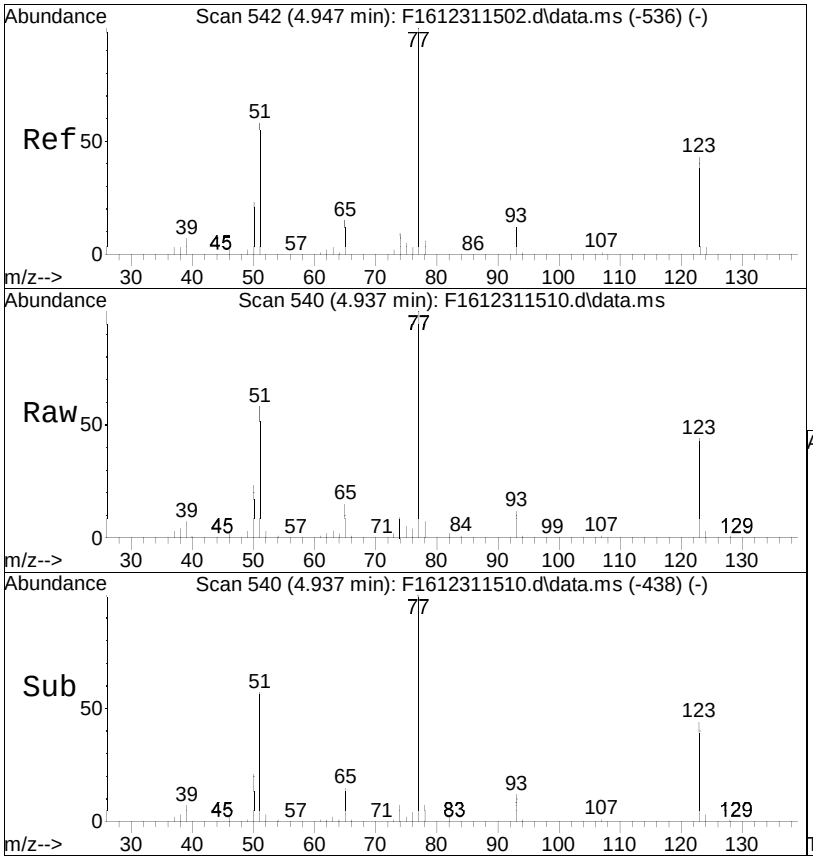


#20
4-Methylphenol
Concen: 6.03 ug/mL
RT: 4.783 min Scan# 508
Delta R.T. -0.010 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:108 Resp: 362346

Ion	Ratio	Lower	Upper
108	100		
107	120.1	95.8	143.8

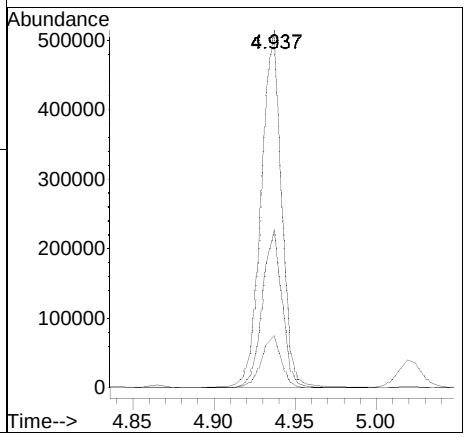


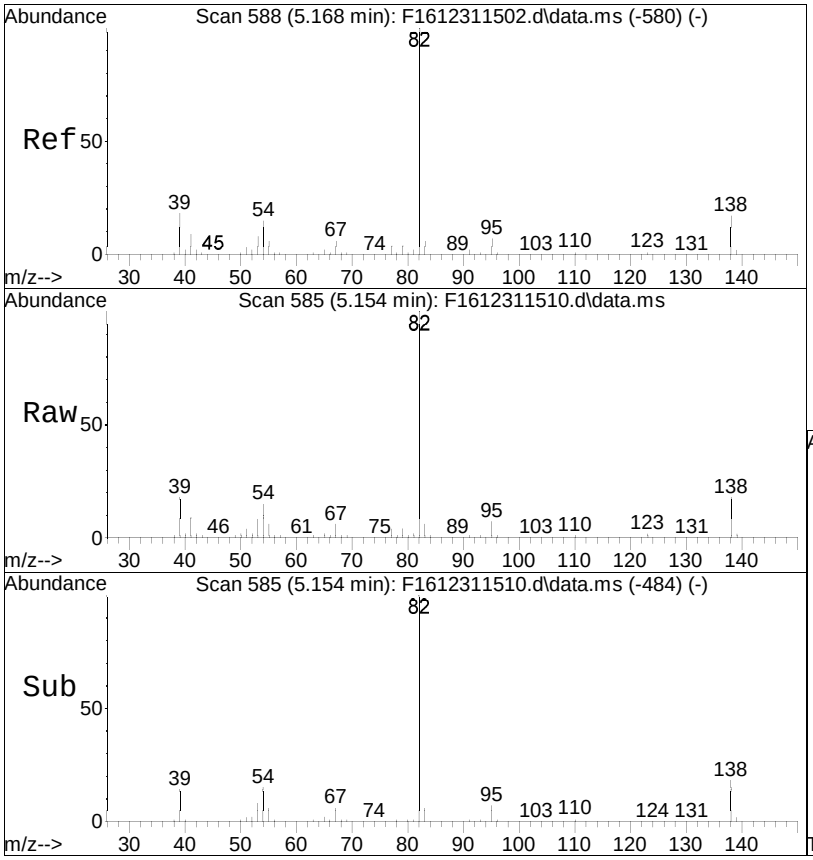


#23
Nitrobenzene
Concen: 6.34 ug/mL
RT: 4.937 min Scan# 540
Delta R.T. -0.010 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion: 77 Resp: 441171

Ion	Ratio	Lower	Upper
77	100		
123	43.5	38.3	57.5
65	14.9	10.6	15.8

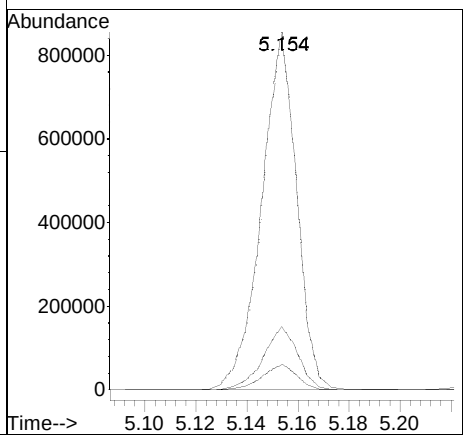


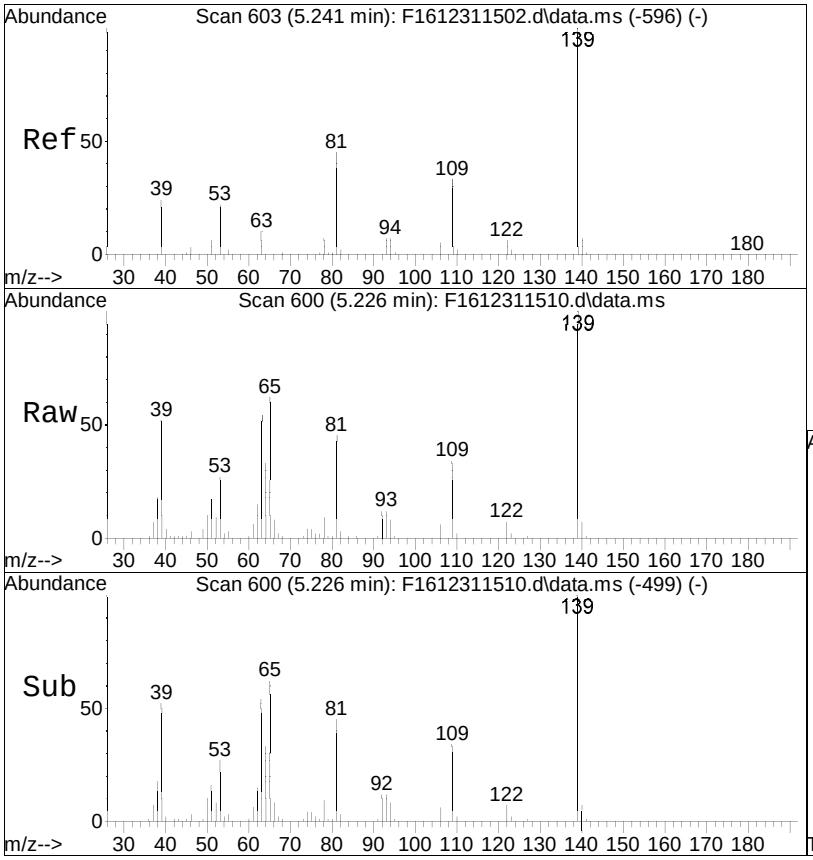


#24
Isophorone
Concen: 7.77 ug/mL
RT: 5.154 min Scan# 585
Delta R.T. -0.014 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion: 82 Resp: 802802

Ion	Ratio	Lower	Upper
82	100		
138	17.7	15.7	23.5
95	7.1	5.6	8.4

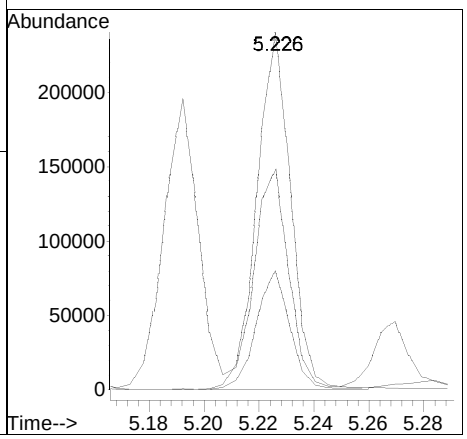


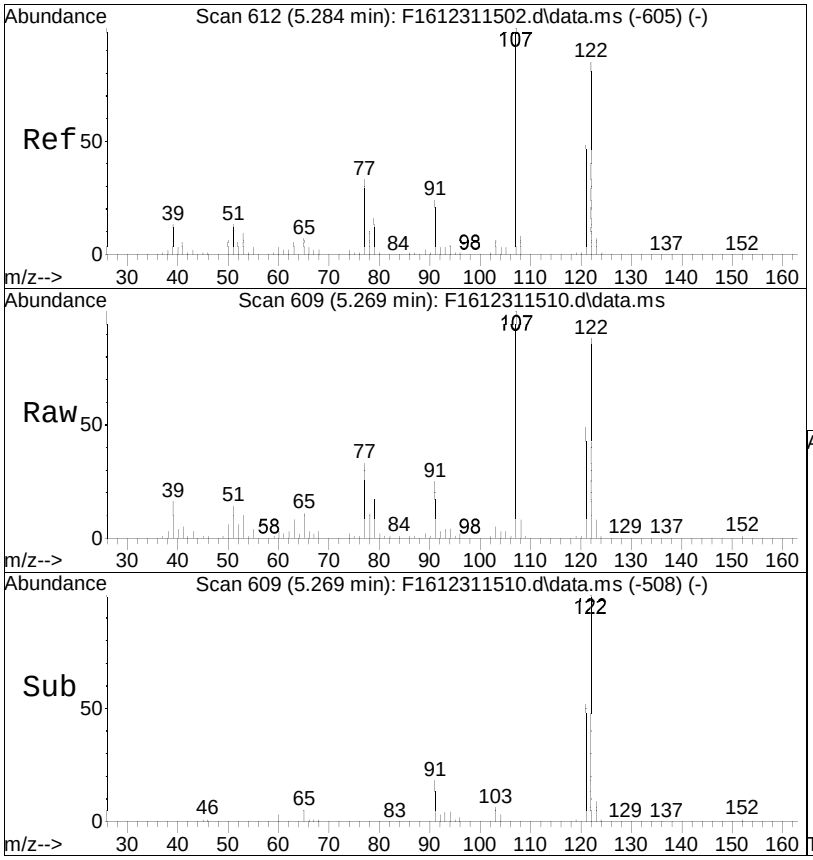


#25
2-Nitrophenol
Concen: 6.36 ug/mL
RT: 5.226 min Scan# 600
Delta R.T. -0.014 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:139 Resp: 205601

Ion	Ratio	Lower	Upper
139	100		
65	62.7	37.4	56.2#
109	33.1	22.3	33.5

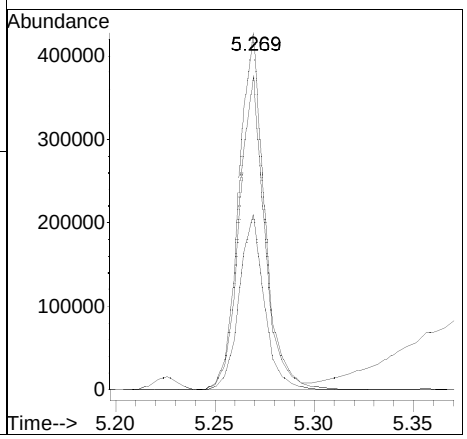


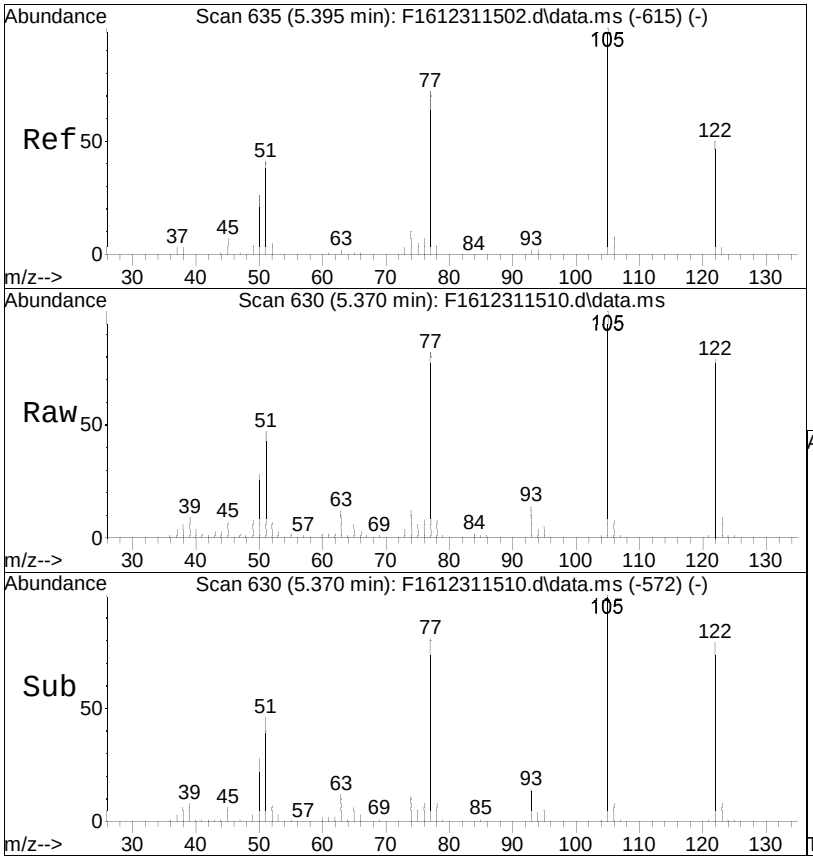


#26
2,4-Dimethylphenol
Concen: 7.81 ug/mL
RT: 5.269 min Scan# 609
Delta R.T. -0.014 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:107 Resp: 386998

Ion	Ratio	Lower	Upper
107	100		
122	85.3	71.4	107.0
121	48.0	40.1	60.1

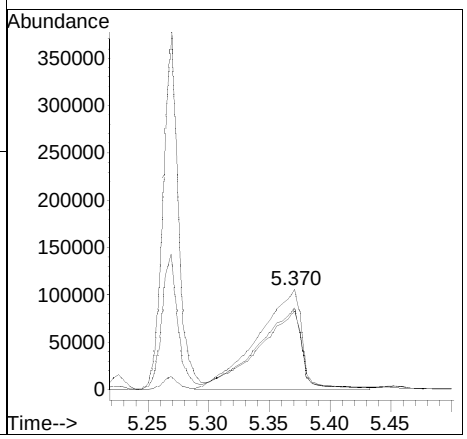


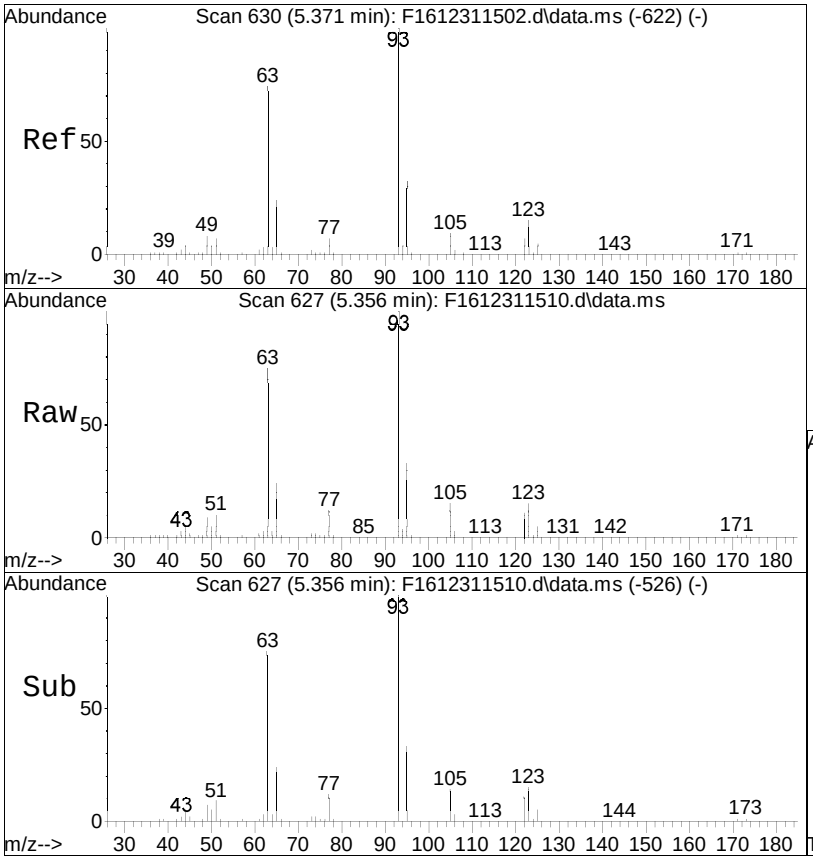


#27
Benzoic acid
Concen: 6.69 ug/mL M4
RT: 5.370 min Scan# 630
Delta R.T. -0.024 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:105 Resp: 274392

Ion	Ratio	Lower	Upper
105	100		
122	74.6	62.7	94.1
77	76.4	56.9	85.3

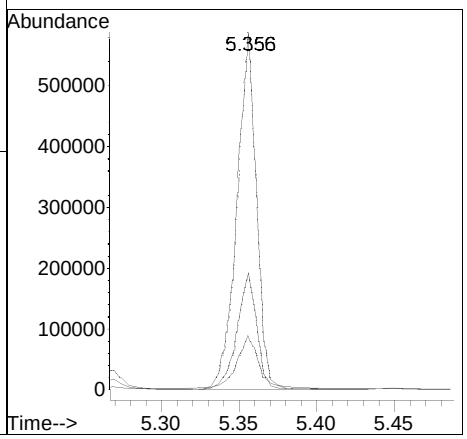


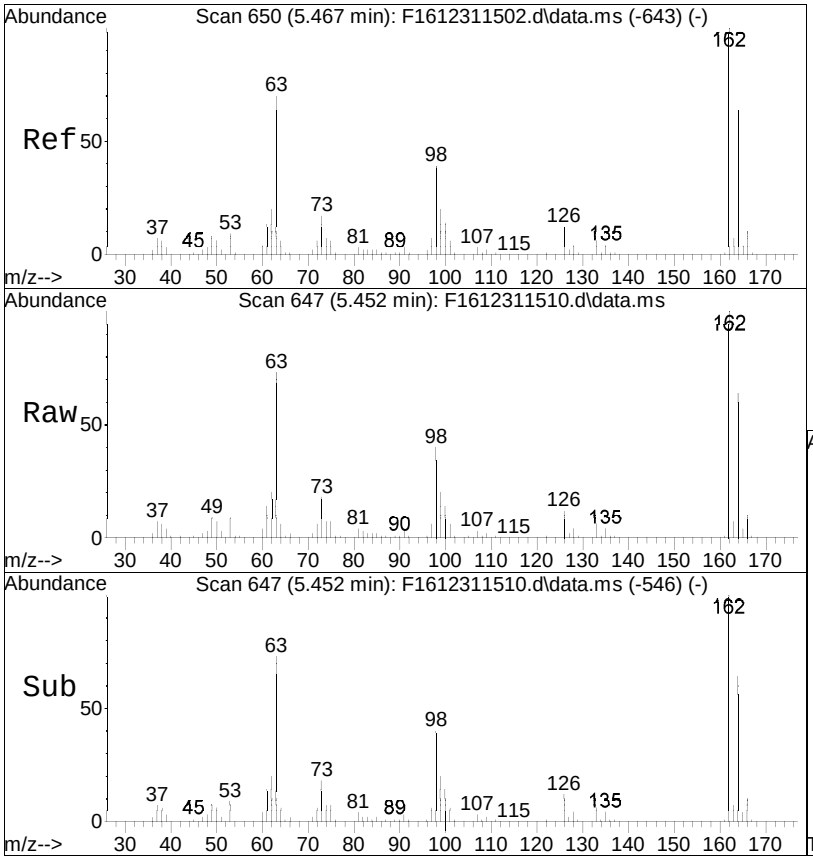


#28
bis(2-Chloroethoxy)methane
Concen: 7.39 ug/mL
RT: 5.356 min Scan# 627
Delta R.T. -0.015 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion: 93 Resp: 512464

Ion	Ratio	Lower	Upper
93	100		
95	33.0	25.9	38.9
123	17.4	13.1	19.7

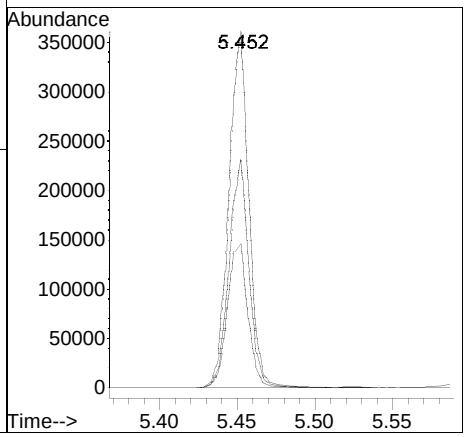


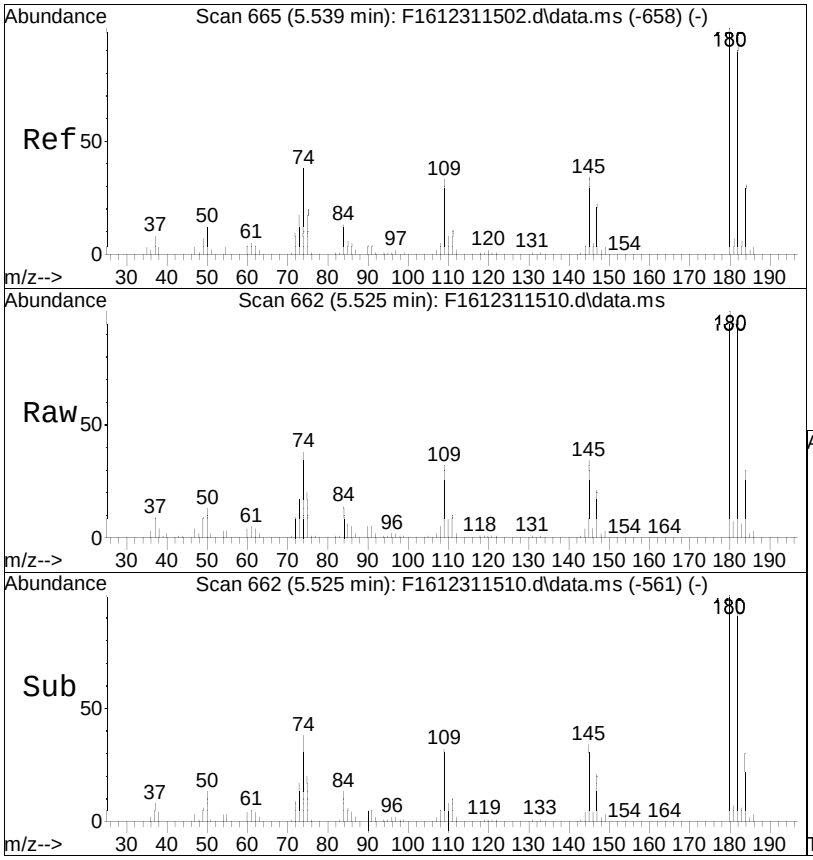


#29
2,4-Dichlorophenol
Concen: 7.04 ug/mL
RT: 5.452 min Scan# 647
Delta R.T. -0.014 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:162 Resp: 318168

Ion	Ratio	Lower	Upper
162	100		
164	63.7	51.2	76.8
98	42.0	27.8	41.8#

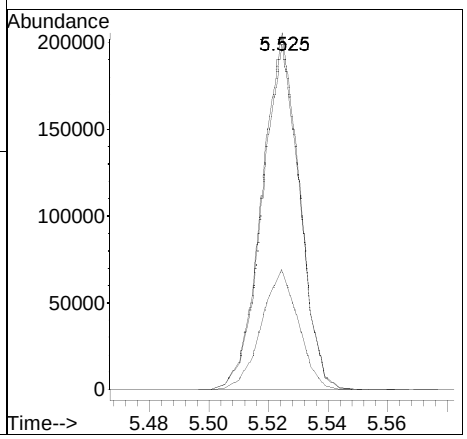


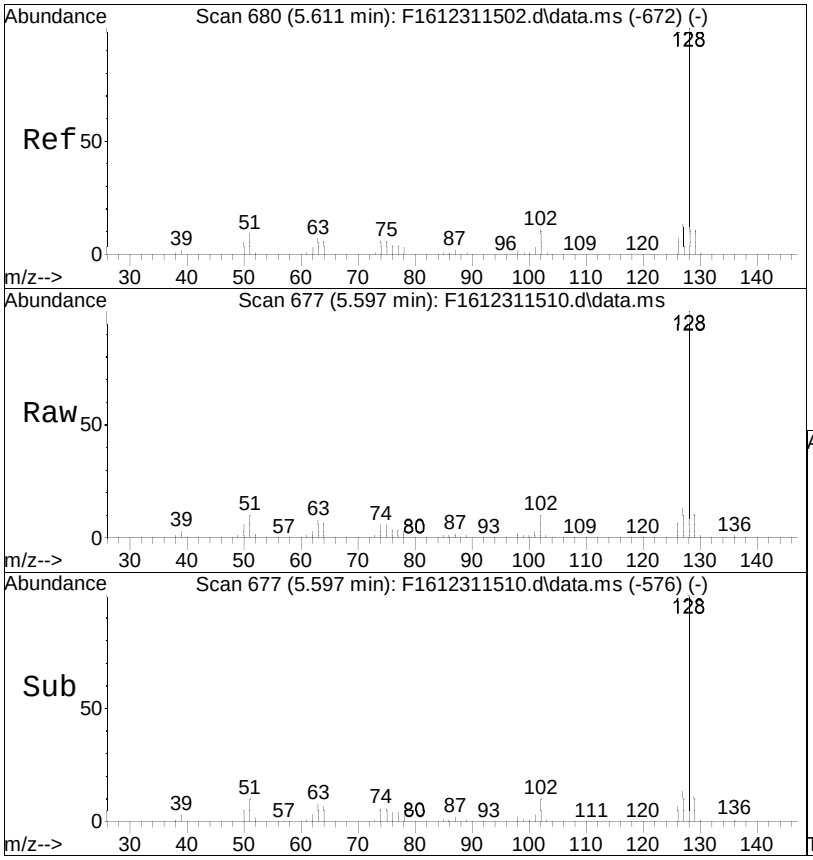


#30
1,2,4-Trichlorobenzene
Concen: 3.73 ug/mL
RT: 5.525 min Scan# 662
Delta R.T. -0.014 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:180 Resp: 179594

Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.6	113.4
145	33.3	24.6	37.0

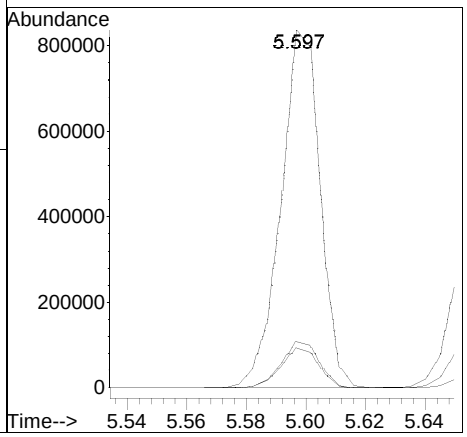


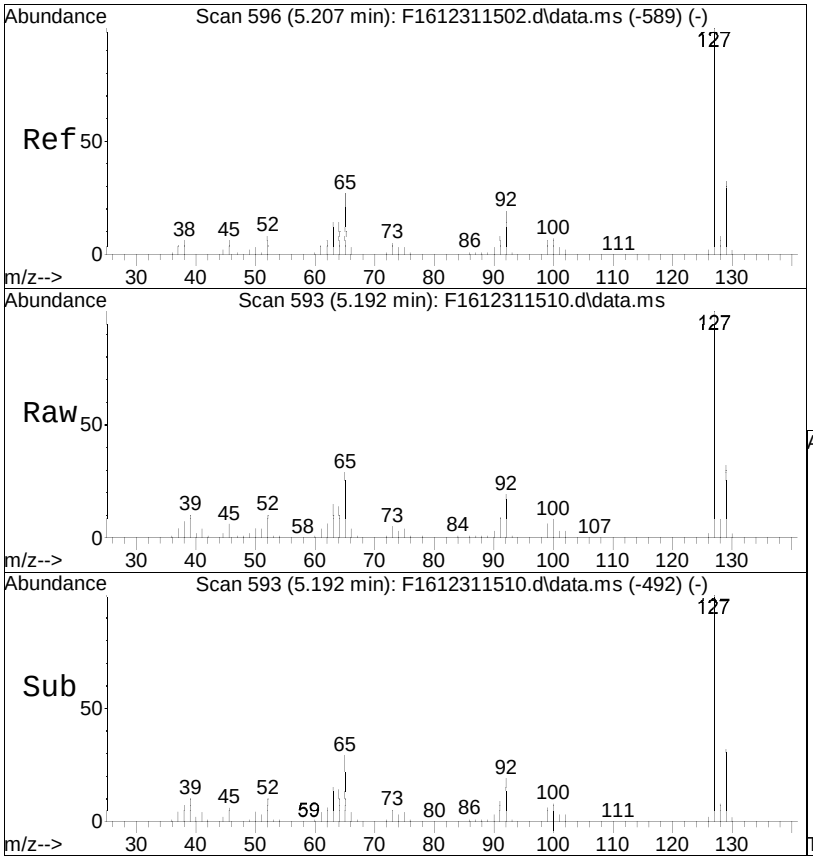


#31
Naphthalene
Concen: 4.29 ug/mL
RT: 5.597 min Scan# 677
Delta R.T. -0.015 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:128 Resp: 761540

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	12.8	10.2	15.4

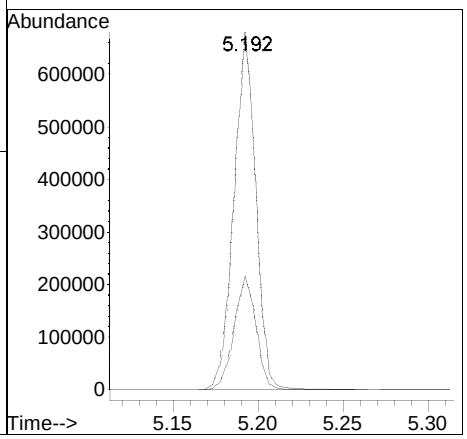


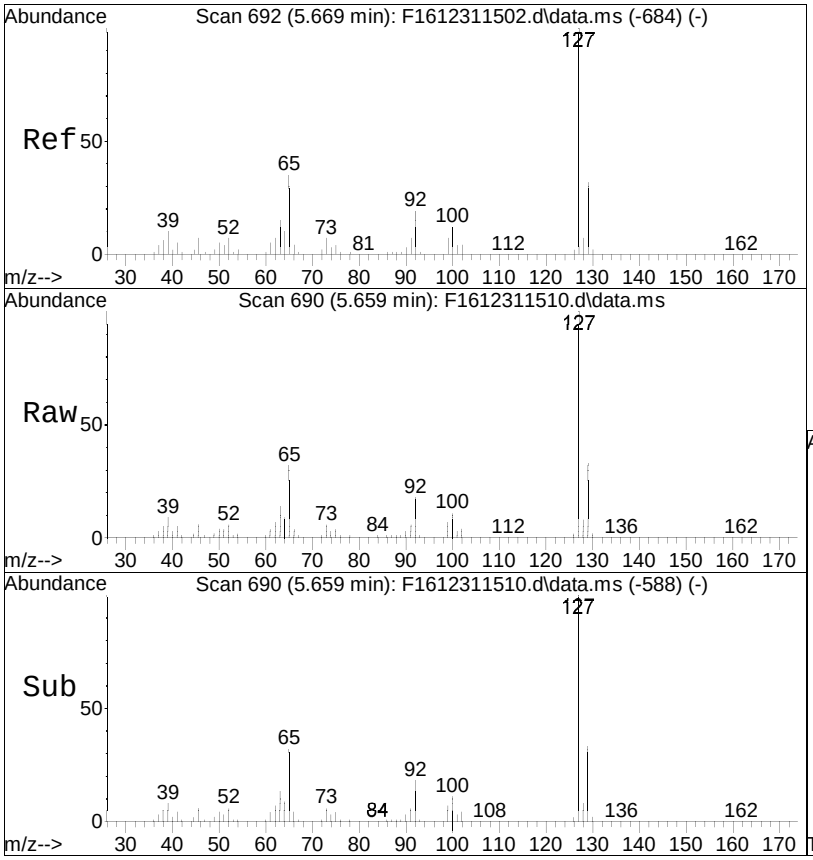


#32
2-Chloroaniline
Concen: 6.54 ug/ml
RT: 5.192 min Scan# 593
Delta R.T. -0.014 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:127 Resp: 599920

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.8	38.6

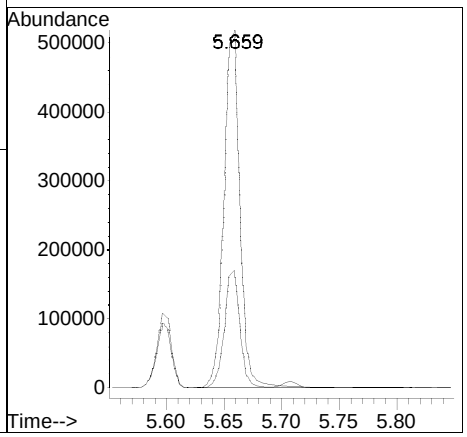


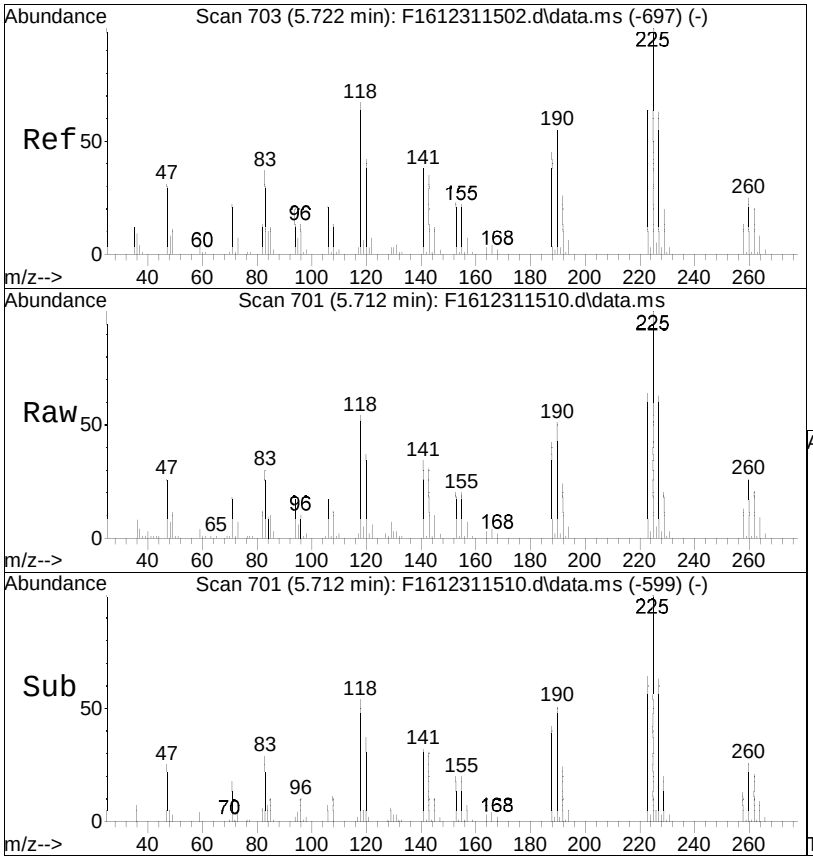


#33
4-Chloroaniline
Concen: 6.88 ug/mL
RT: 5.659 min Scan# 690
Delta R.T. -0.010 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:127 Resp: 494843

Ion	Ratio	Lower	Upper
127	100		
129	32.2	275.7	413.5#

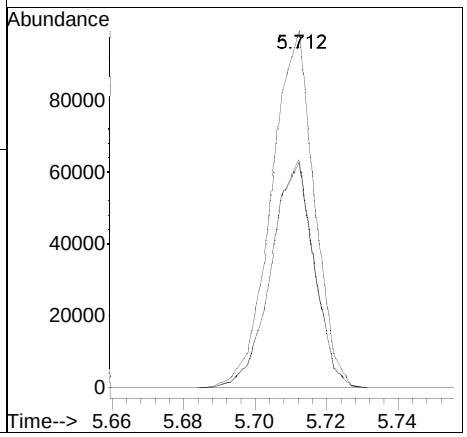


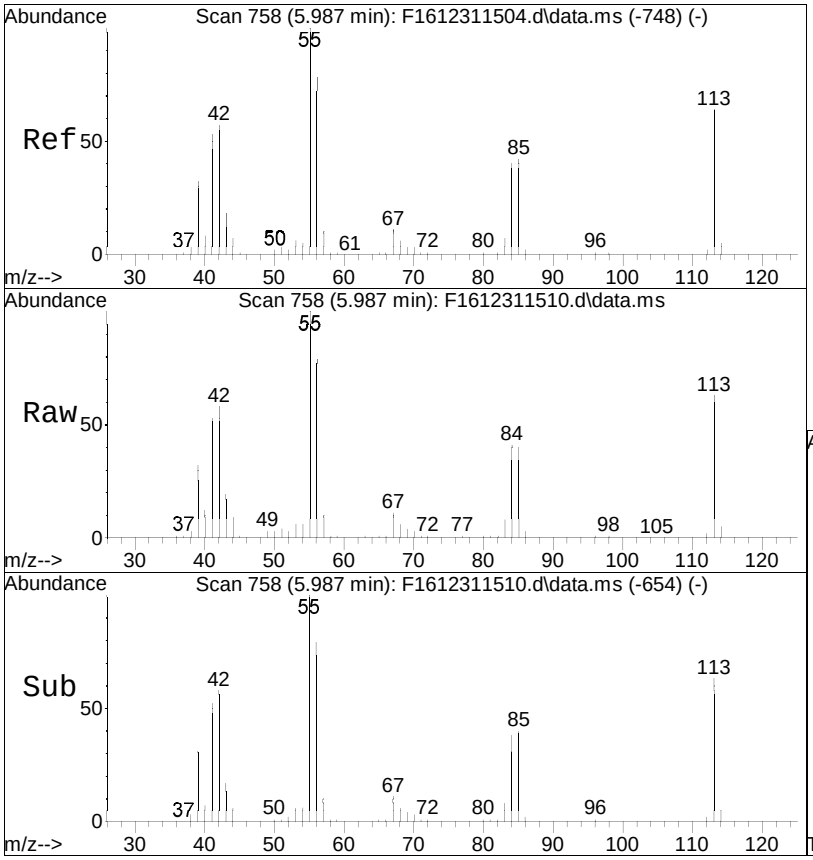


#34
Hexachlorobutadiene
Concen: 3.42 ug/mL
RT: 5.712 min Scan# 701
Delta R.T. -0.010 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:225 Resp: 82805

Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.1	75.1
227	63.4	50.6	75.8

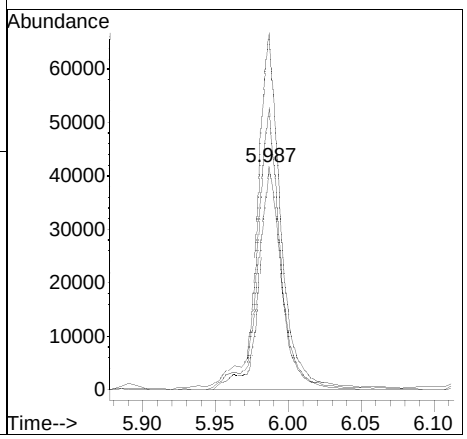


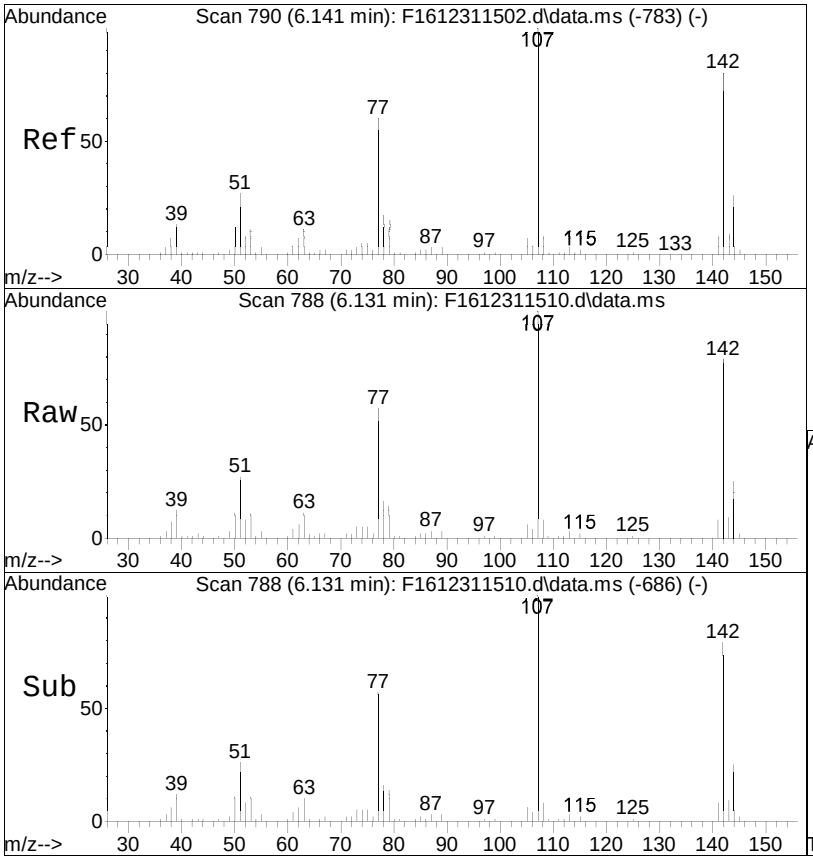


#35
Caprolactam
Concen: 2.81 ug/ml M4
RT: 5.987 min Scan# 758
Delta R.T. -0.000 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:113 Resp: 45604

Ion	Ratio	Lower	Upper
113	100		
55	9.3	125.3	187.9#
56	6.9	96.2	144.2#

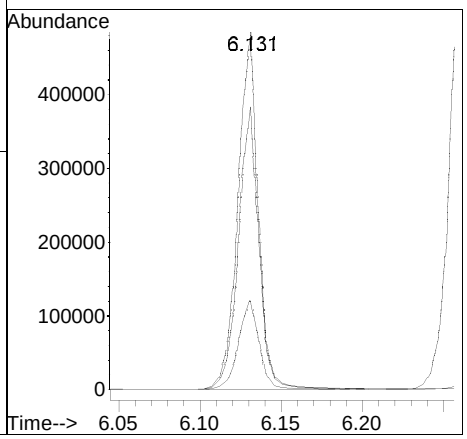


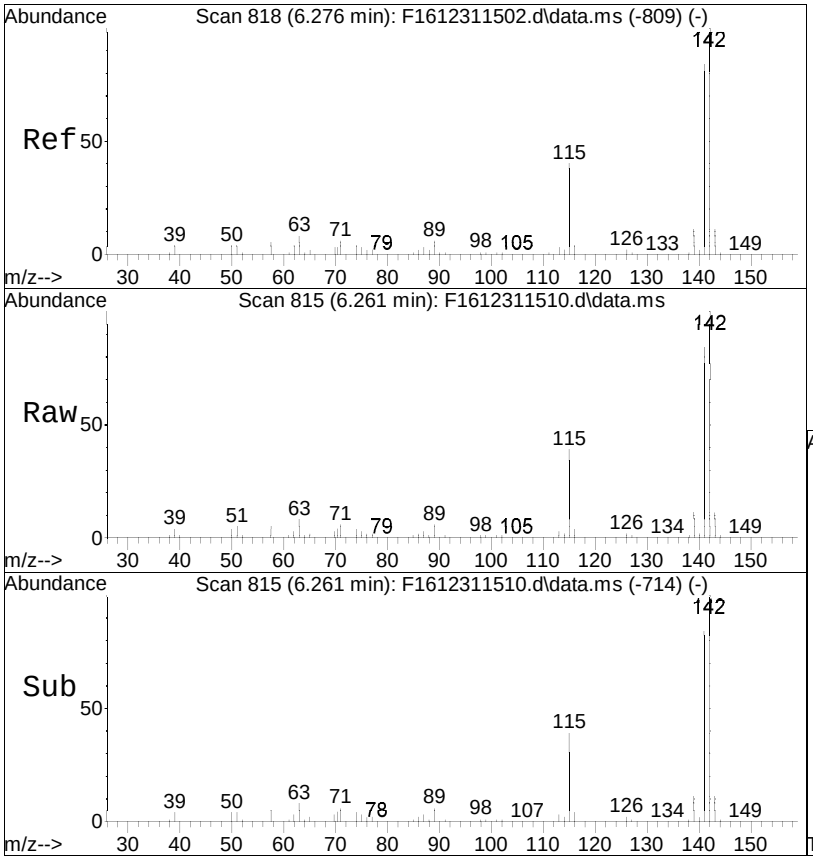


#36
4-Chloro-3-methylphenol
Concen: 8.04 ug/mL
RT: 6.131 min Scan# 788
Delta R.T. -0.010 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:107 Resp: 423411

Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.7	31.1
142	79.3	65.4	98.0

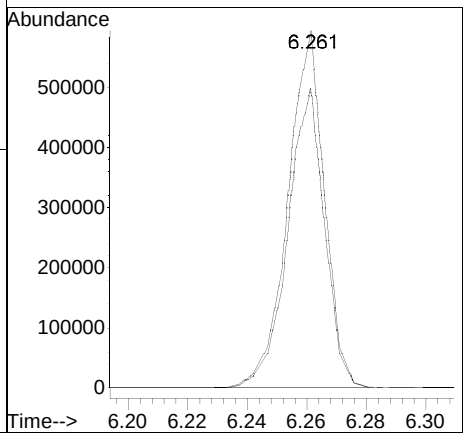


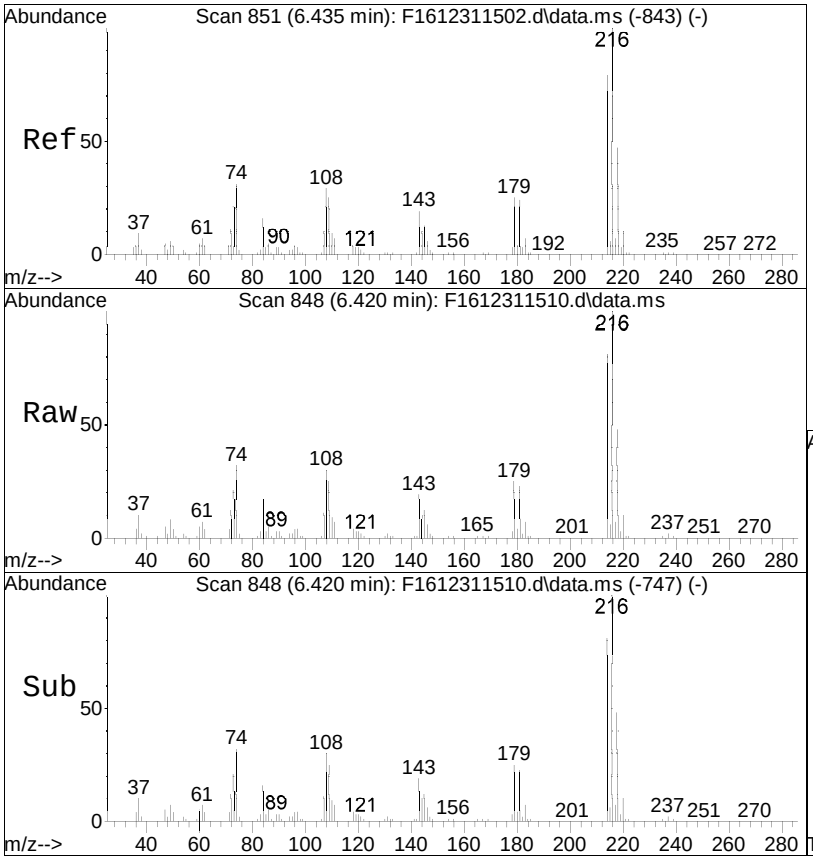


#37
2-Methylnaphthalene
Concen: 4.37 ug/mL
RT: 6.261 min Scan# 815
Delta R.T. -0.014 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:142 Resp: 503460

Ion	Ratio	Lower	Upper
142	100		
141	84.5	67.1	100.7

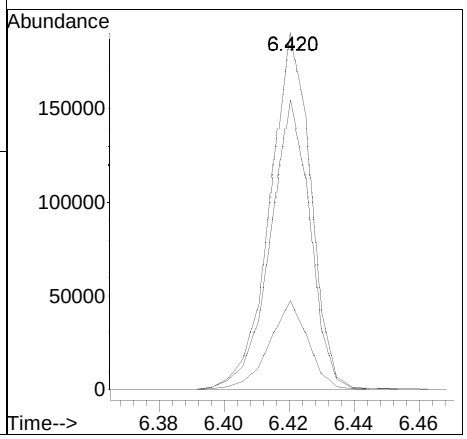


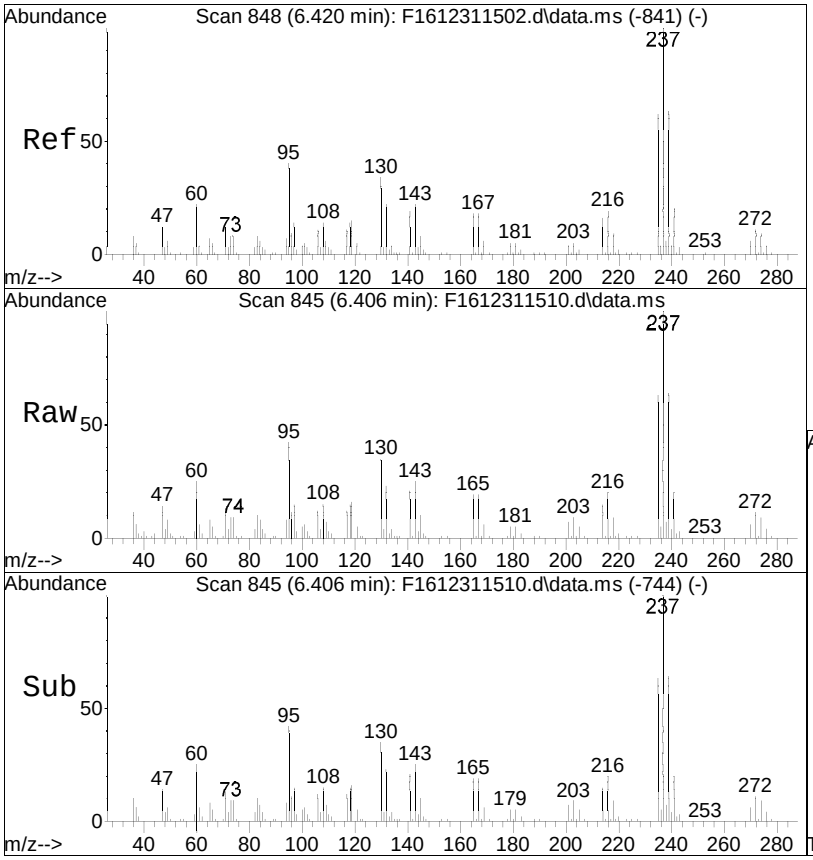


#39
1,2,4,5-Tetrachlorobenzene
Concen: 4.00 ug/mL
RT: 6.420 min Scan# 848
Delta R.T. -0.015 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:216 Resp: 166338

Ion	Ratio	Lower	Upper
216	100		
214	80.0	63.4	95.2
179	23.8	18.0	27.0

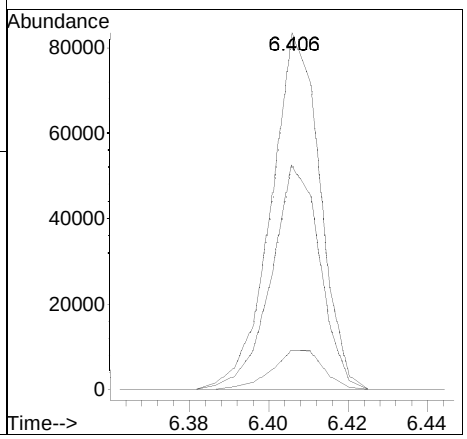


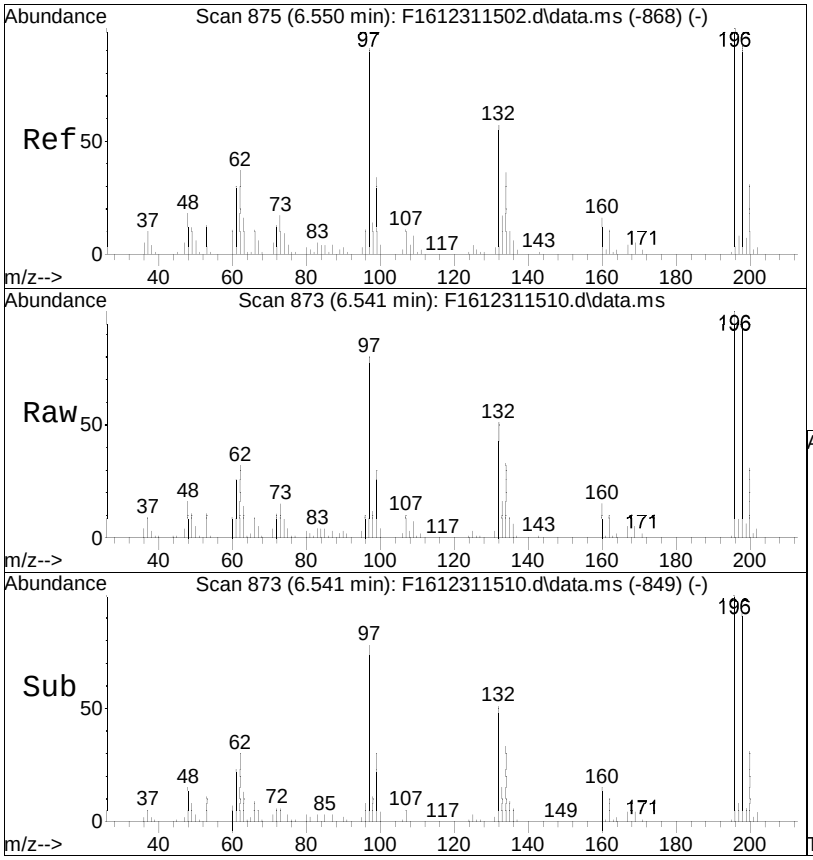


#40
Hexachlorocyclopentadiene
Concen: 4.05 ug/mL
RT: 6.406 min Scan# 845
Delta R.T. -0.014 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:237 Resp: 71521

Ion	Ratio	Lower	Upper
237	100		
235	62.6	50.2	75.4
272	11.5	9.8	14.6

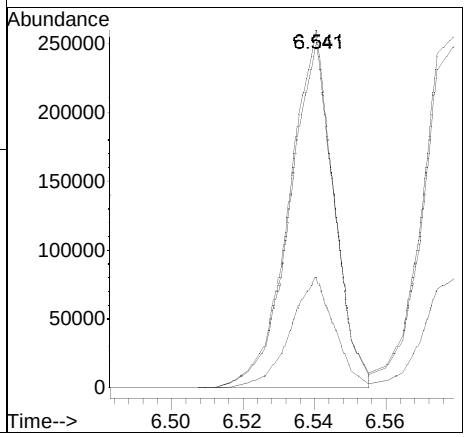


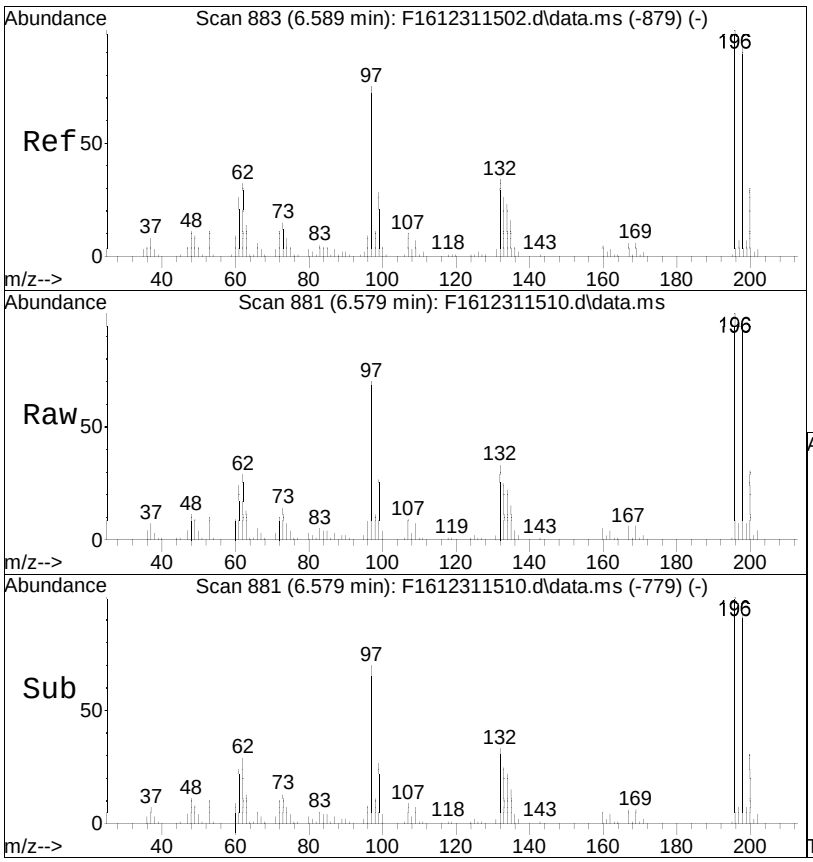


#41
2,4,6-Trichlorophenol
Concen: 7.77 ug/mL
RT: 6.541 min Scan# 873
Delta R.T. -0.010 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:196 Resp: 226447

Ion	Ratio	Lower	Upper
196	100		
198	95.7	75.7	113.5
200	30.5	24.1	36.1

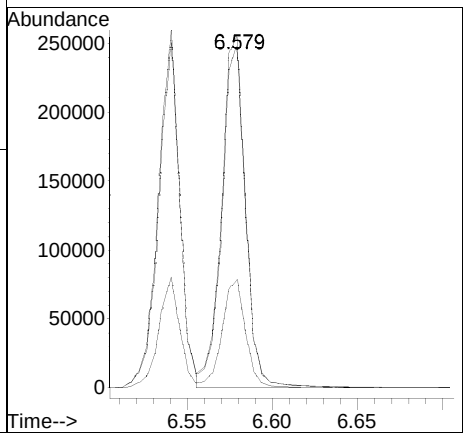


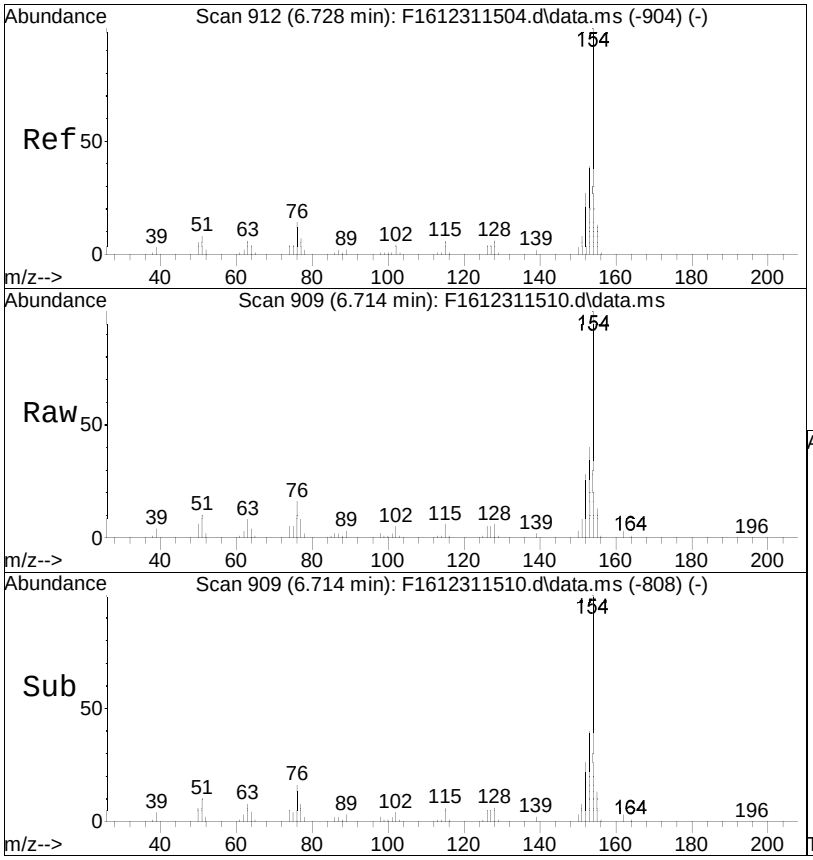


#42
2,4,5-Trichlorophenol
Concen: 8.21 ug/mL
RT: 6.579 min Scan# 881
Delta R.T. -0.010 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:196 Resp: 248268

Ion	Ratio	Lower	Upper
196	100		
198	94.6	76.2	114.2
200	30.3	24.2	36.2

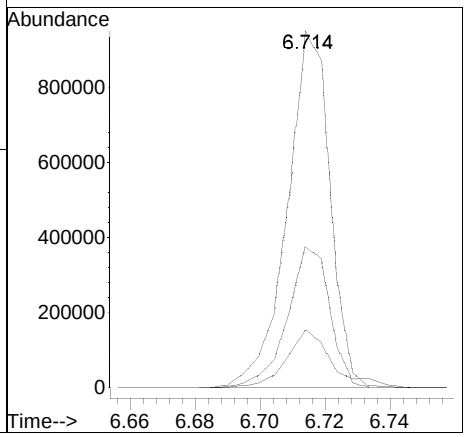


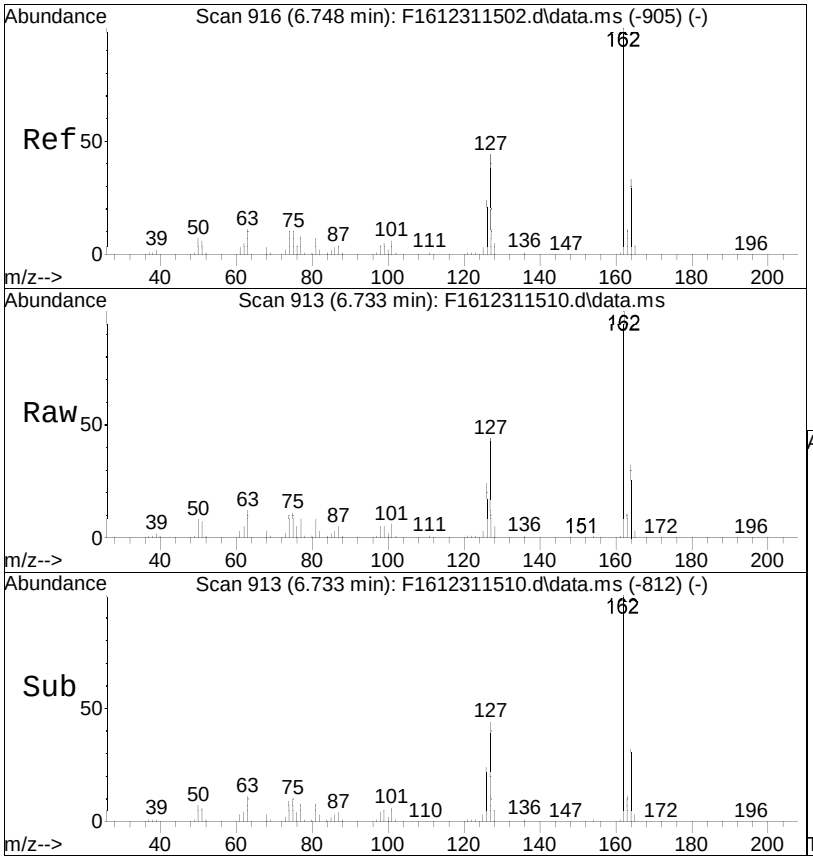


#44
Biphenyl
Concen: 7.17 ug/ml
RT: 6.714 min Scan# 909
Delta R.T. -0.015 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:154 Resp: 865771

Ion	Ratio	Lower	Upper
154	100		
153	39.6	31.3	46.9
76	17.7	12.4	18.6

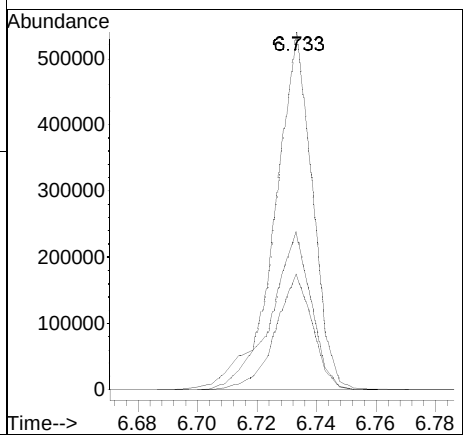


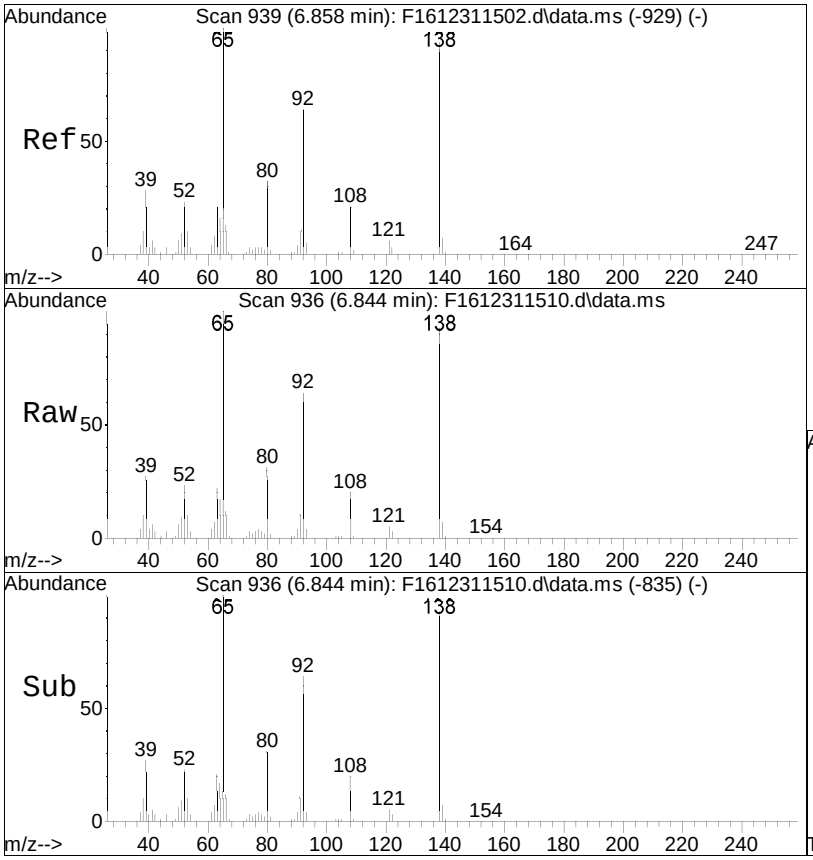


#45
2-Chloronaphthalene
Concen: 4.74 ug/mL
RT: 6.733 min Scan# 913
Delta R.T. -0.014 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:162 Resp: 461243

Ion	Ratio	Lower	Upper
162	100		
164	32.7	25.8	38.6
127	51.3	31.0	46.6#

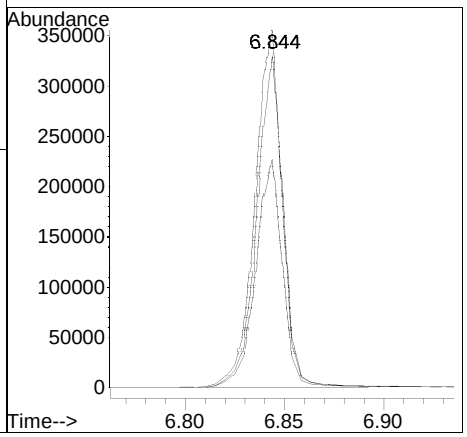


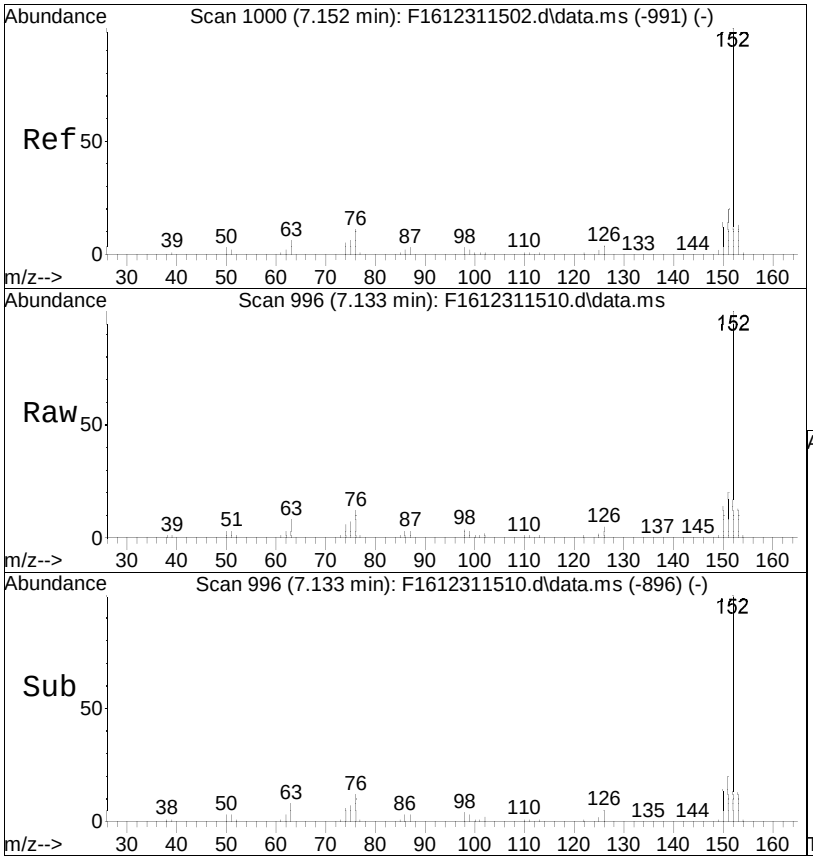


#46
2-Nitroaniline
Concen: 8.97 ug/mL
RT: 6.844 min Scan# 936
Delta R.T. -0.014 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion: 65 Resp: 333340

Ion	Ratio	Lower	Upper
65	100		
92	63.3	58.3	87.5
138	91.0	95.4	143.0#

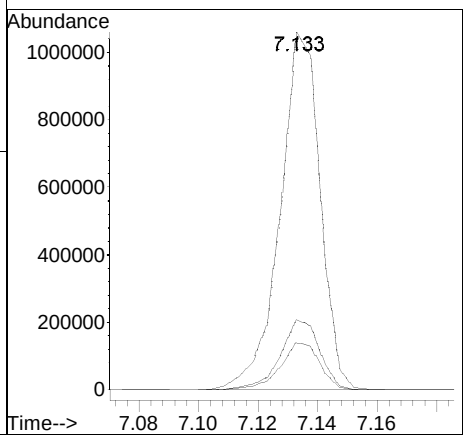


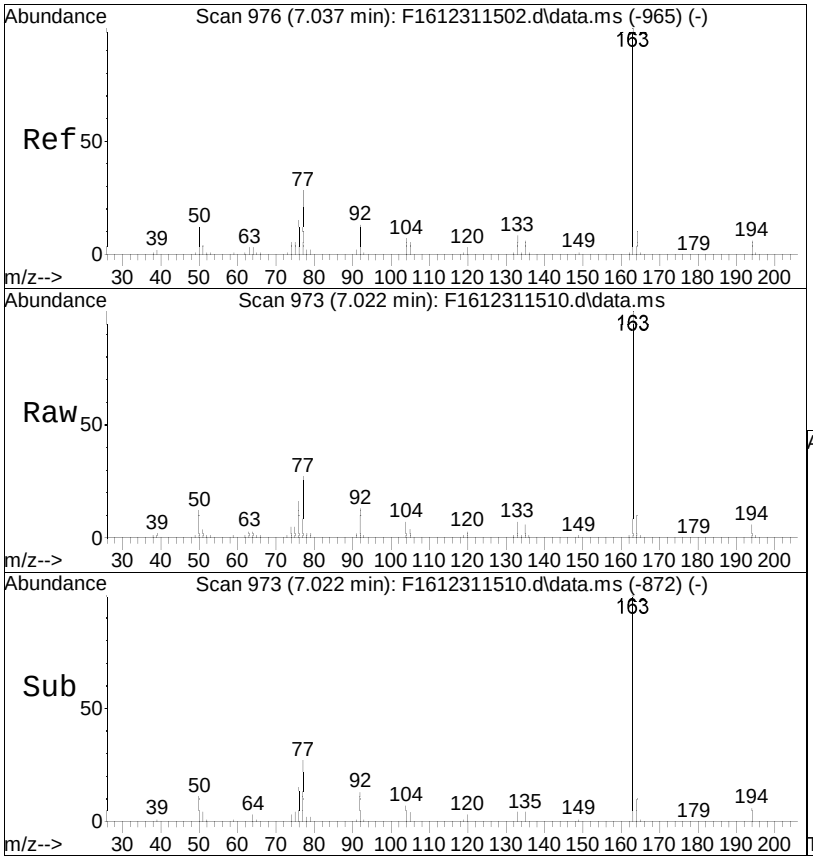


#47
Acenaphthylene
Concen: 5.84 ug/mL
RT: 7.133 min Scan# 996
Delta R.T. -0.019 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:152 Resp: 979182

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.4	23.2
153	13.2	10.6	15.8

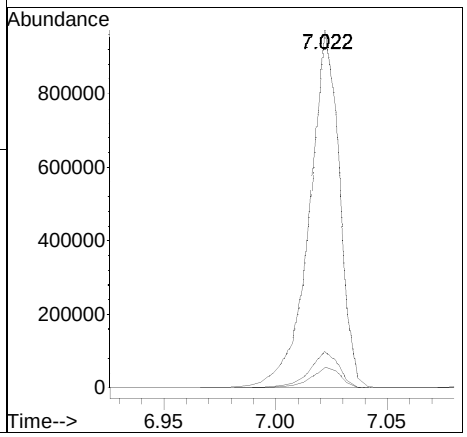


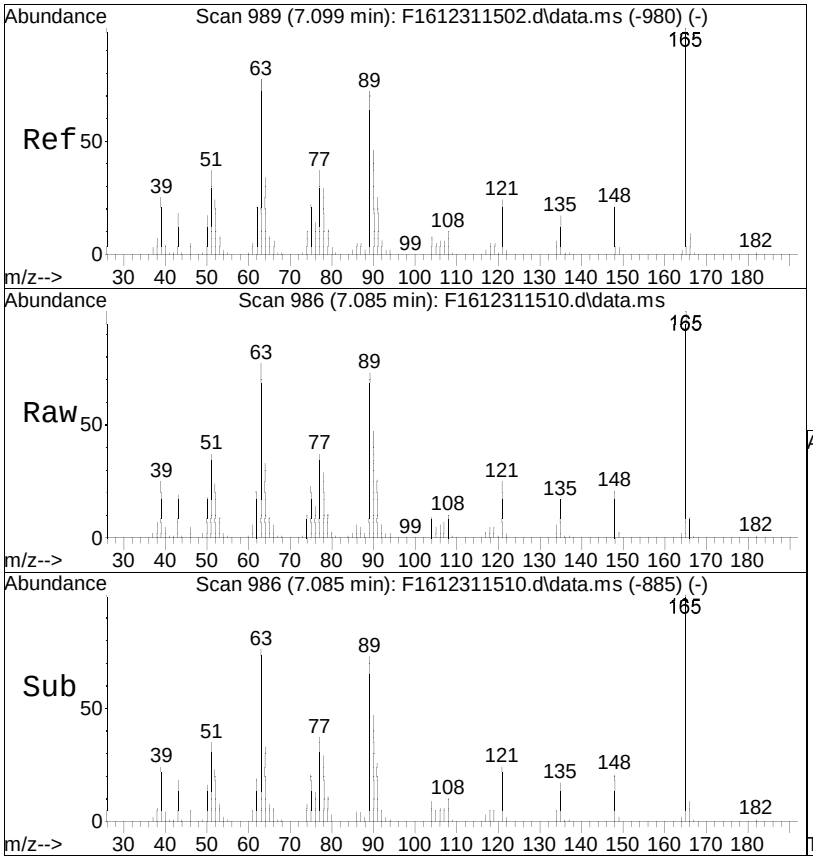


#48
Dimethylphthalate
Concen: 8.56 ug/mL
RT: 7.022 min Scan# 973
Delta R.T. -0.014 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:163 Resp: 905530

Ion	Ratio	Lower	Upper
163	100		
194	5.8	5.0	7.6
164	10.2	8.0	12.0

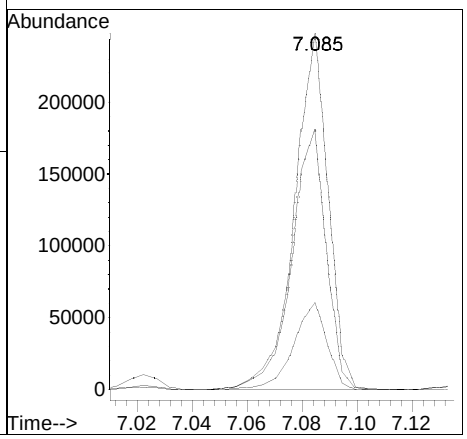


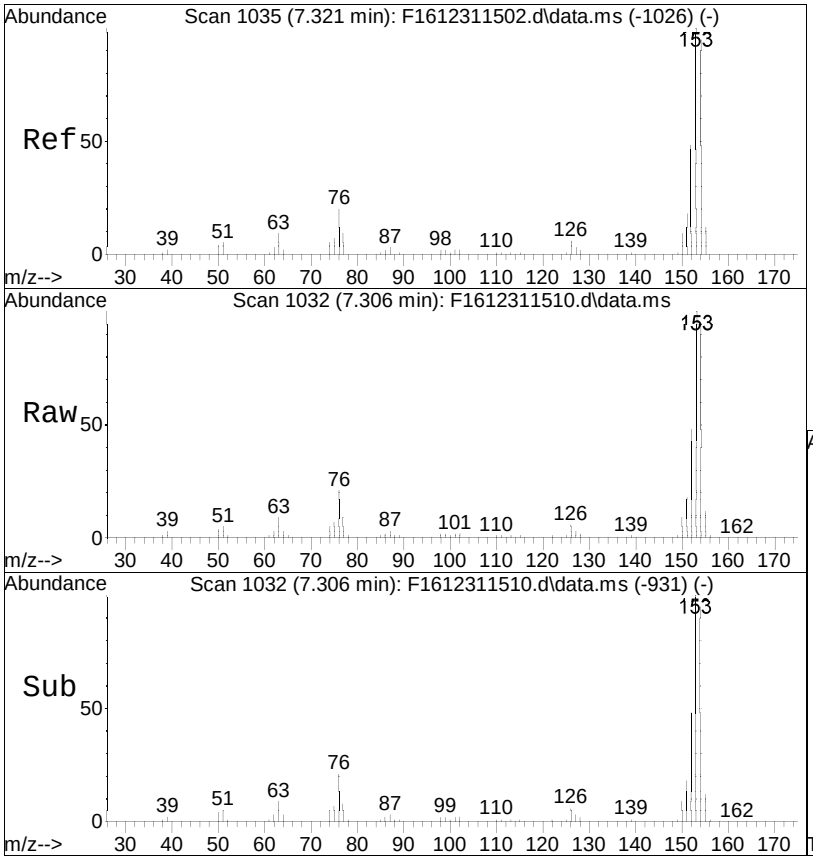


#49
2,6-Dinitrotoluene
Concen: 8.45 ug/mL
RT: 7.085 min Scan# 986
Delta R.T. -0.014 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:165 Resp: 209241

Ion	Ratio	Lower	Upper
165	100		
89	75.6	45.3	67.9#
121	25.0	16.6	24.8#

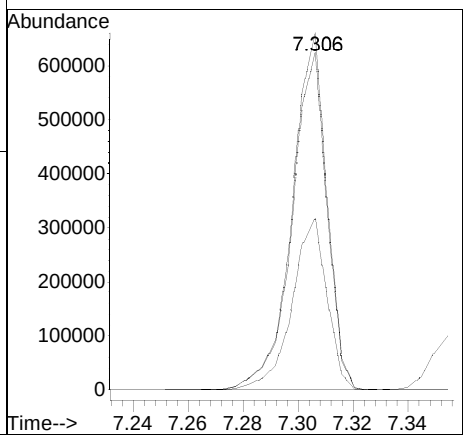


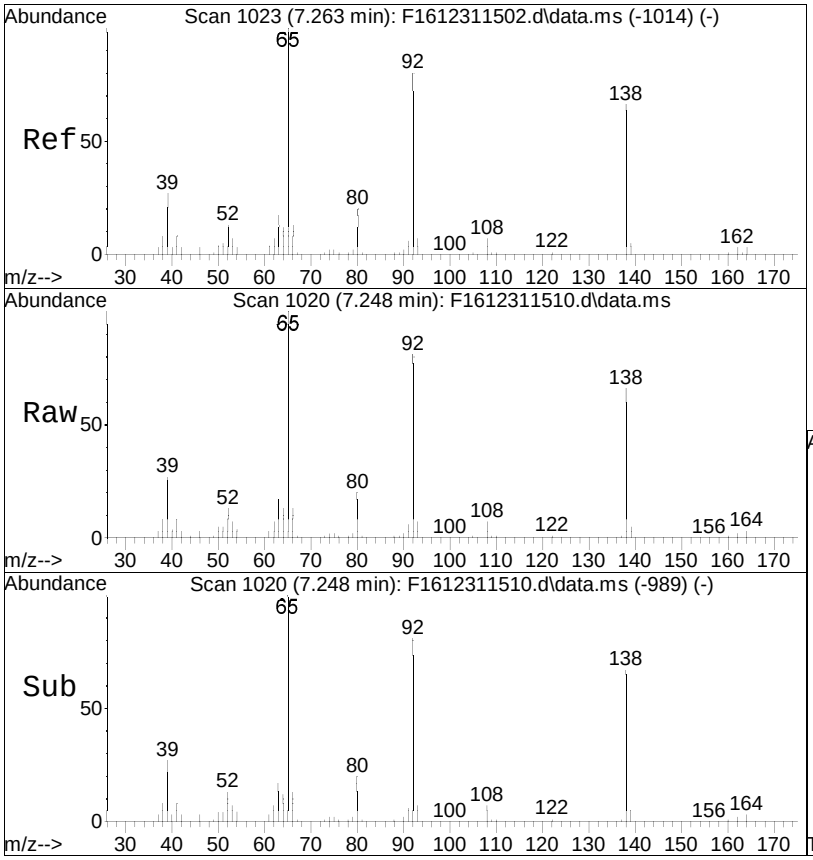


#50
Acenaphthene
Concen: 5.53 ug/mL
RT: 7.306 min Scan# 1032
Delta R.T. -0.015 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:153 Resp: 582784

Ion	Ratio	Lower	Upper
153	100		
154	94.8	77.2	115.8
152	48.2	37.9	56.9

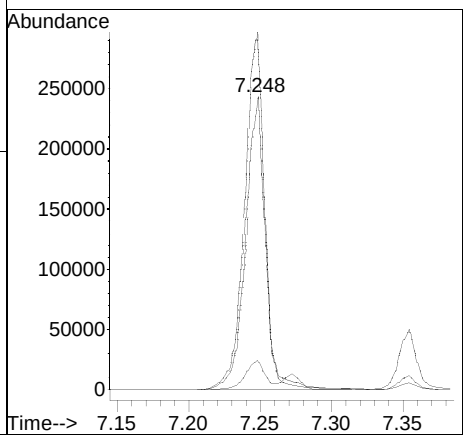


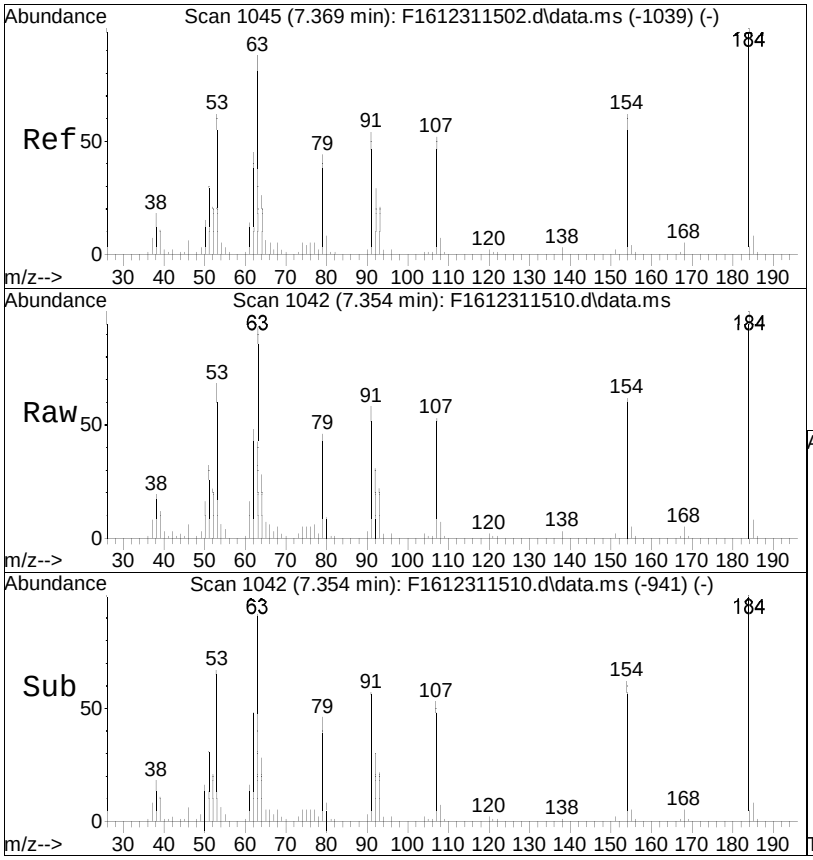


#51
3-Nitroaniline
Concen: 7.96 ug/mL
RT: 7.248 min Scan# 1020
Delta R.T. -0.015 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:138 Resp: 229886

Ion	Ratio	Lower	Upper
138	100		
108	10.2	8.6	12.8
92	125.7	86.3	129.5

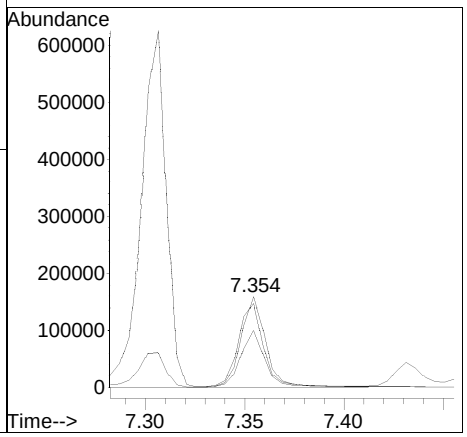


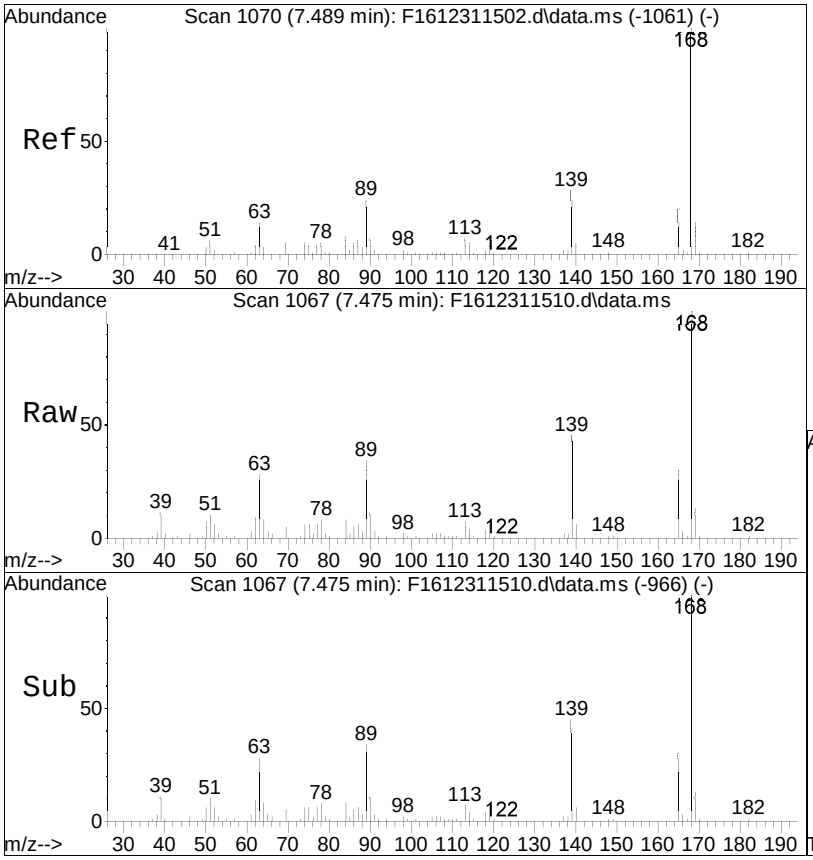


#52
2,4-Dinitrophenol
Concen: 8.22 ug/mL
RT: 7.354 min Scan# 1042
Delta R.T. -0.014 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:184 Resp: 140248

Ion	Ratio	Lower	Upper
184	100		
63	94.9	46.0	69.0#
154	60.2	42.5	63.7

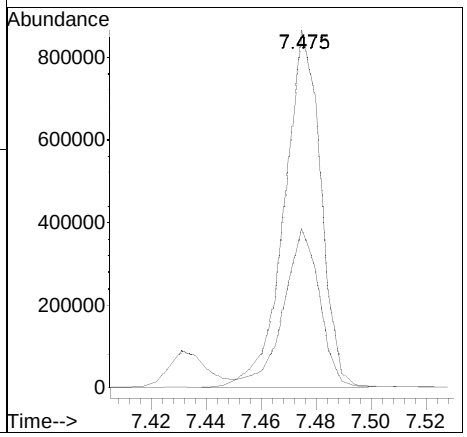


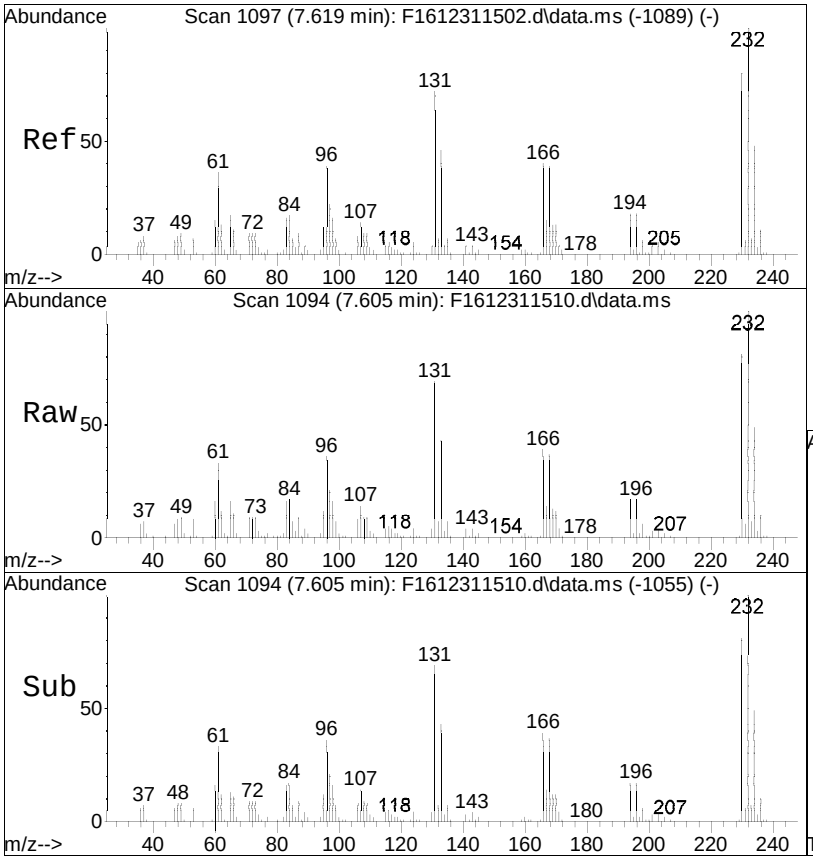


#53
Dibenzofuran
Concen: 5.90 ug/mL
RT: 7.475 min Scan# 1067
Delta R.T. -0.014 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:168 Resp: 793994

Ion	Ratio	Lower	Upper
168	100		
139	43.5	30.2	45.4

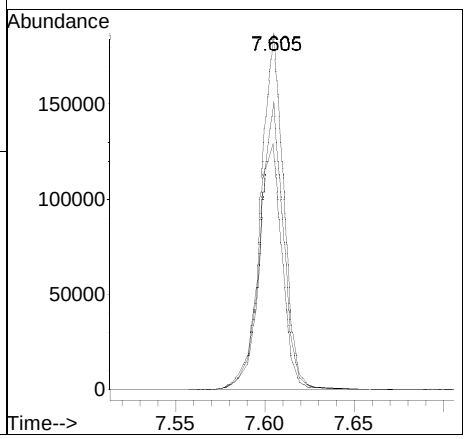


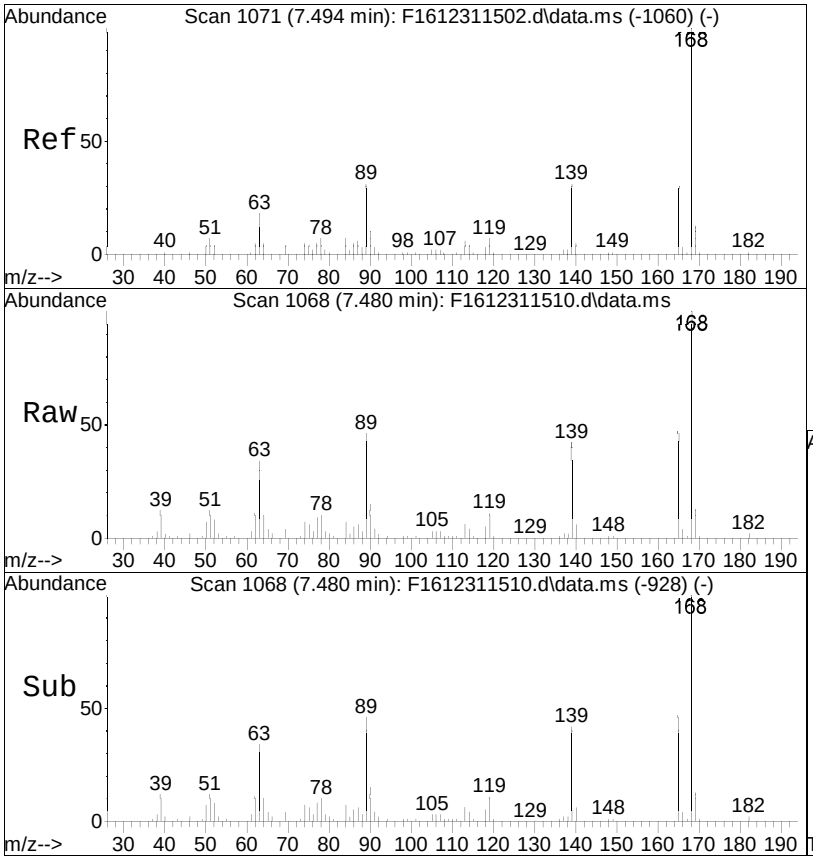


#54
2,3,4,6-Tetrachlorophenol
Concen: 8.49
RT: 7.605 min Scan# 1094
Delta R.T. -0.014 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:232 Resp: 168629

Ion	Ratio	Lower	Upper
232	100		
131	71.3	46.9	70.3#
230	79.5	63.7	95.5

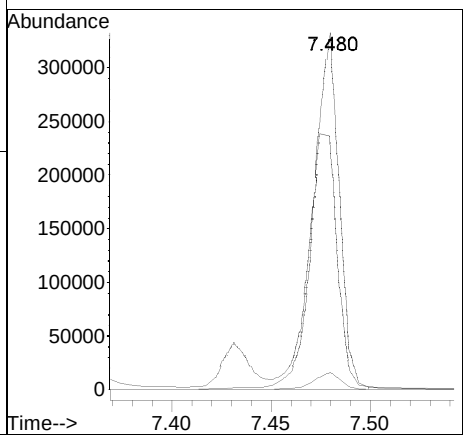


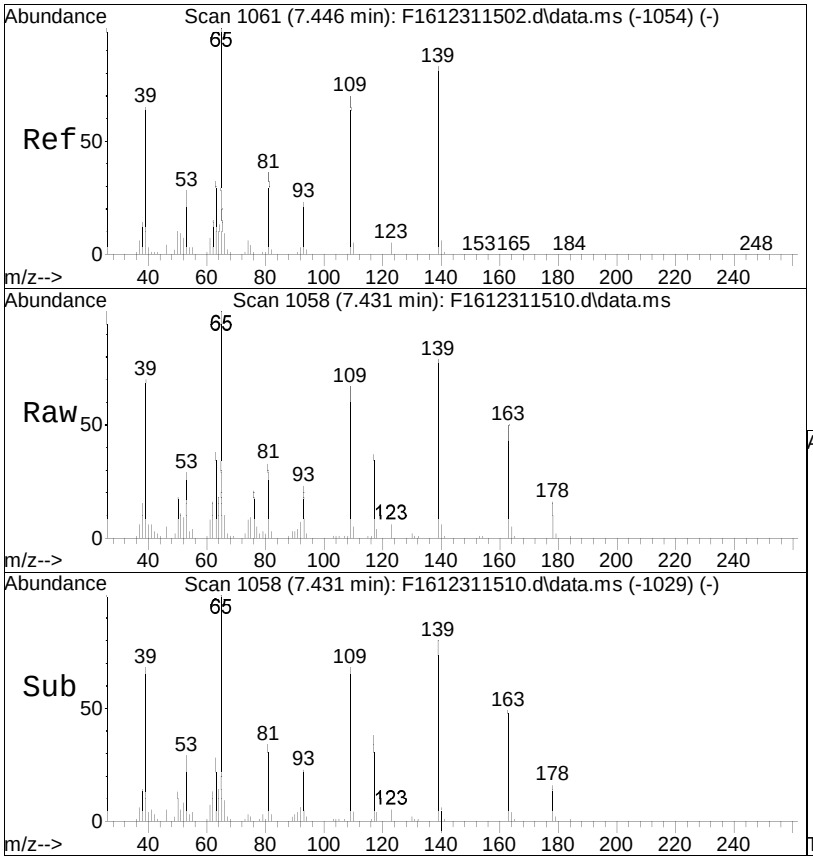


#55
2,4-Dinitrotoluene
Concen: 8.66 ug/mL
RT: 7.480 min Scan# 1068
Delta R.T. -0.015 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:165 Resp: 296277

Ion	Ratio	Lower	Upper
165	100		
63	79.1	33.0	49.6#
182	4.8	3.9	5.9

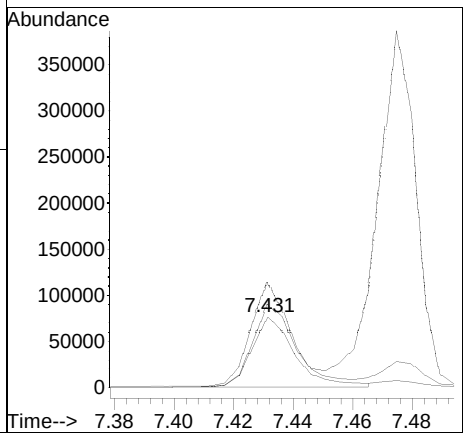


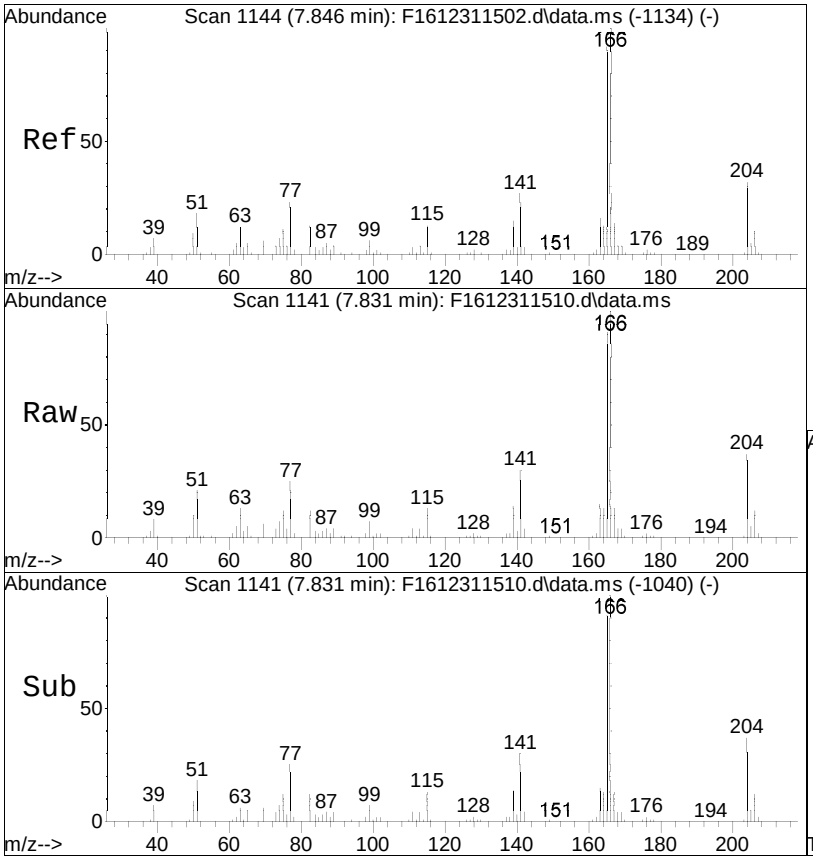


#56
4-Nitrophenol
Concen: 4.79 ug/mL
RT: 7.431 min Scan# 1058
Delta R.T. -0.014 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:109 Resp: 76752

Ion	Ratio	Lower	Upper
109	100		
139	118.7	117.7	176.5
65	144.6	106.1	159.1

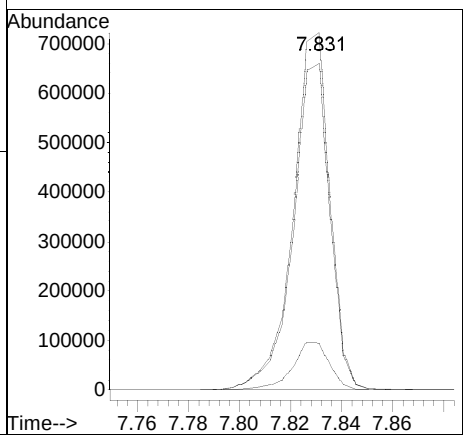


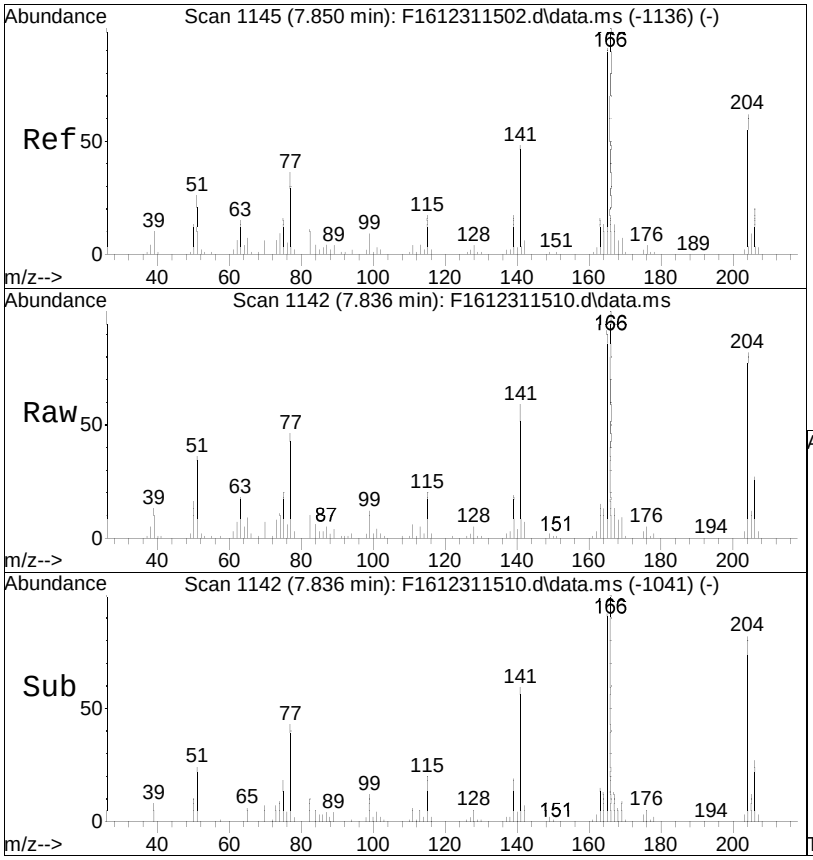


#57
Fluorene
Concen: 6.52 ug/mL
RT: 7.831 min Scan# 1141
Delta R.T. -0.015 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:166 Resp: 722538

Ion	Ratio	Lower	Upper
166	100		
165	91.4	72.0	108.0
167	13.4	10.6	15.8

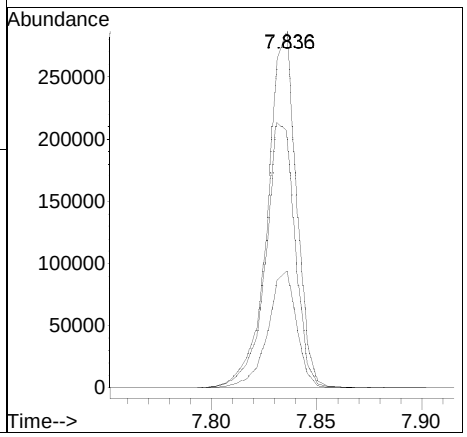


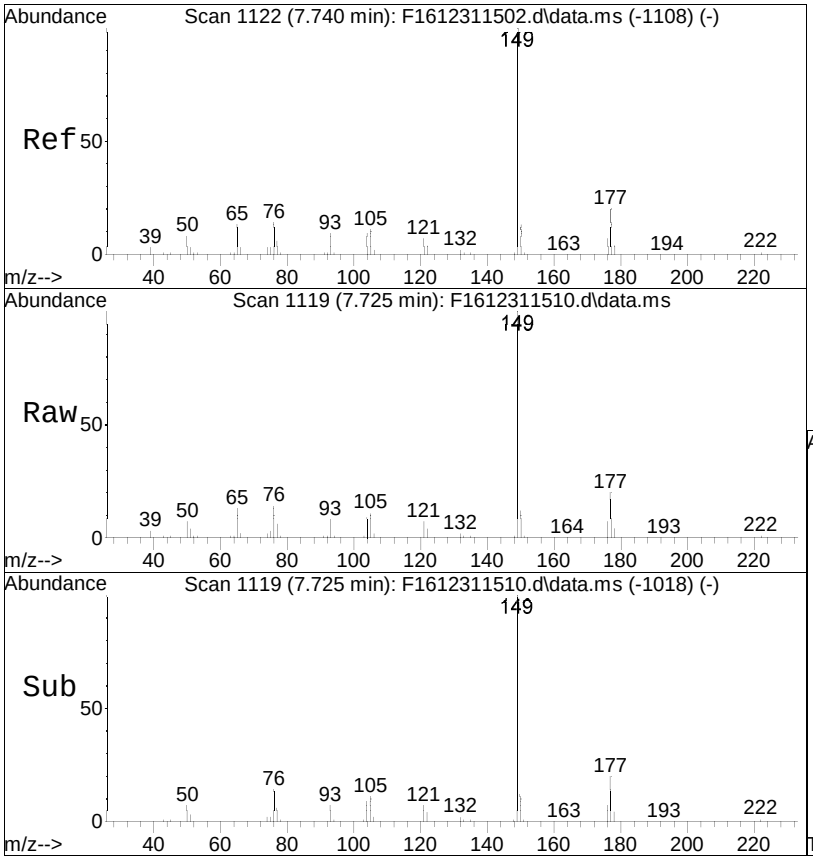


#58
4-Chlorophenyl-phenylether
Concen: 5.77 ug/mL
RT: 7.836 min Scan# 1142
Delta R.T. -0.015 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:204 Resp: 275822

Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.7	38.5
141	76.0	52.9	79.3

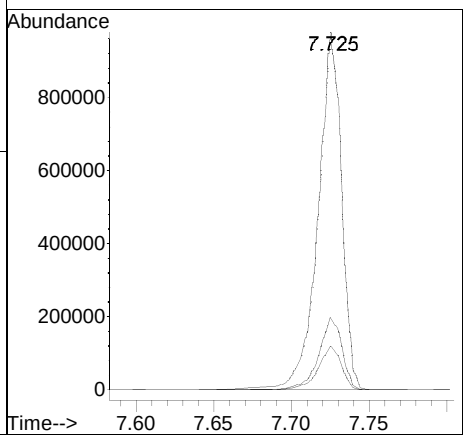


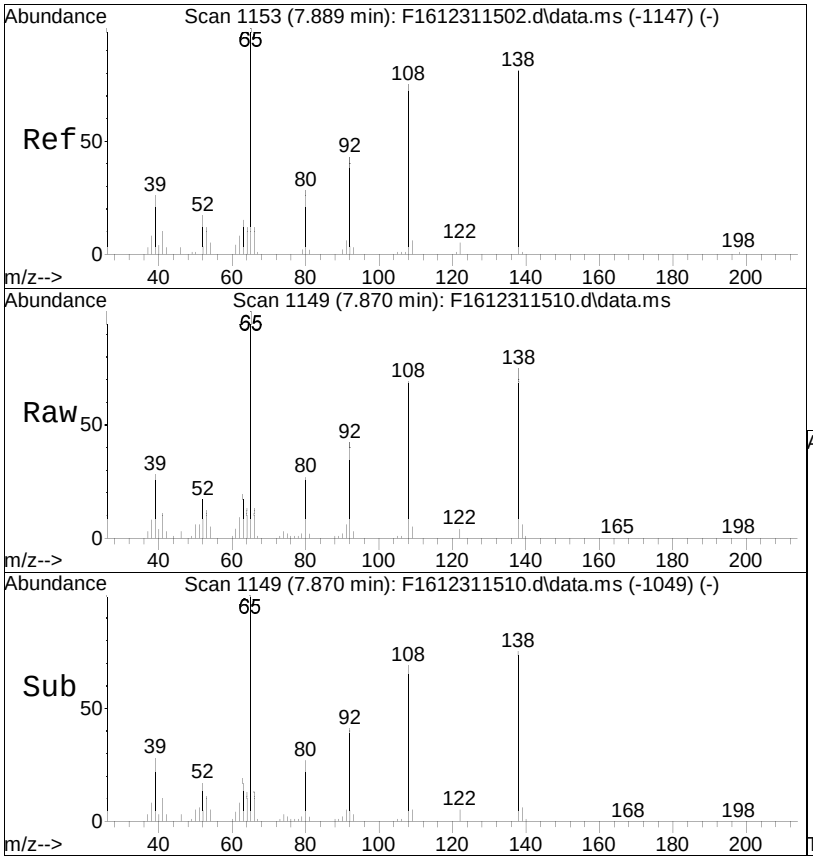


#59
Diethylphthalate
Concen: 8.94 ug/mL
RT: 7.725 min Scan# 1119
Delta R.T. -0.014 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:149 Resp: 1018007

Ion	Ratio	Lower	Upper
149	100		
177	20.3	18.6	27.8
150	12.3	9.8	14.8

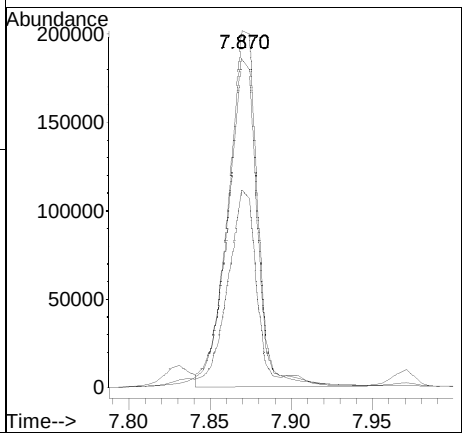


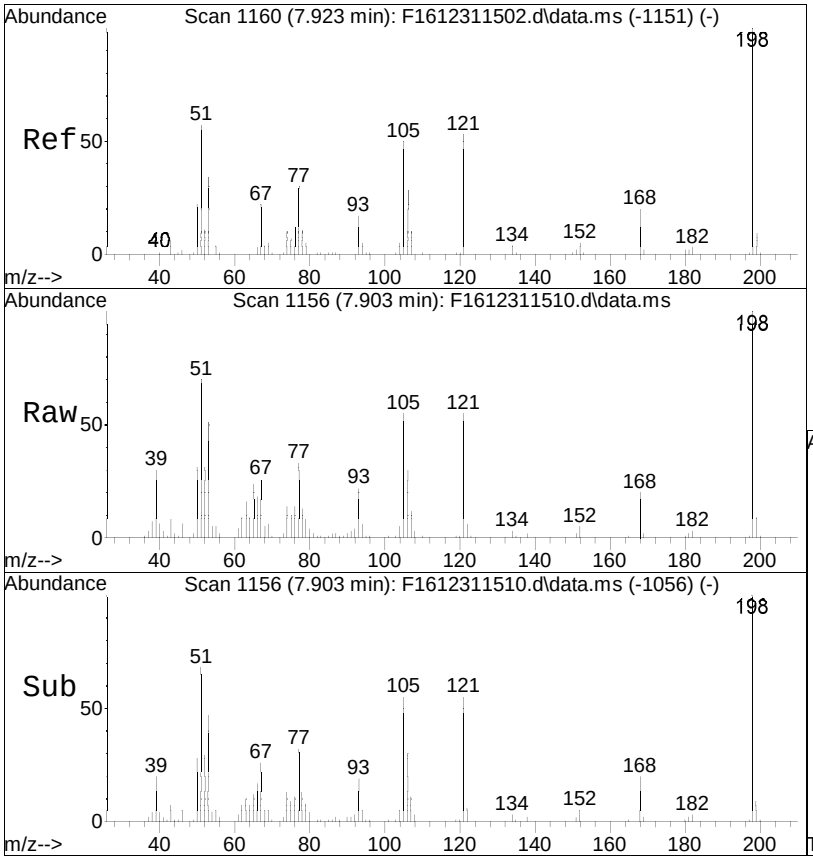


#60
4-Nitroaniline
Concen: 9.05 ug/mL
RT: 7.870 min Scan# 1149
Delta R.T. -0.019 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:138 Resp: 252340

Ion	Ratio	Lower	Upper
138	100		
92	53.7	37.7	56.5
108	95.0	57.6	86.4#

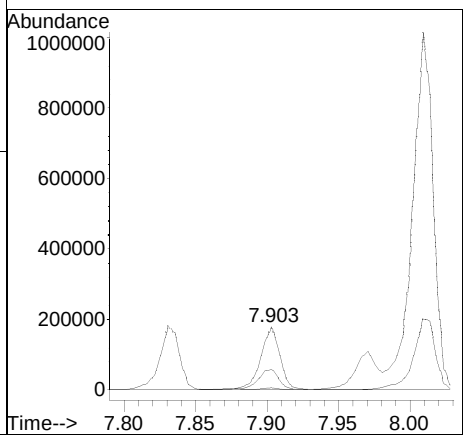


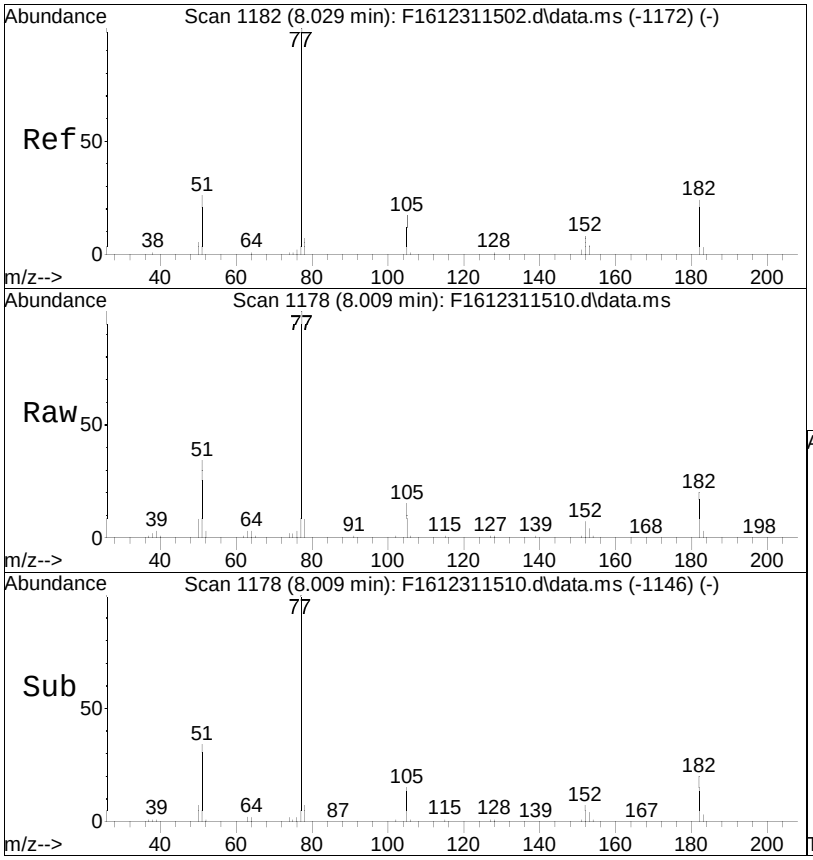


#62
4,6-Dinitro-2-methylphenol
Concen: 8.66 ug/mL
RT: 7.903 min Scan# 1156
Delta R.T. -0.019 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:198 Resp: 171020

Ion	Ratio	Lower	Upper
198	100		
182	3.0	0.0	0.0#
77	33.0	0.0	0.0#

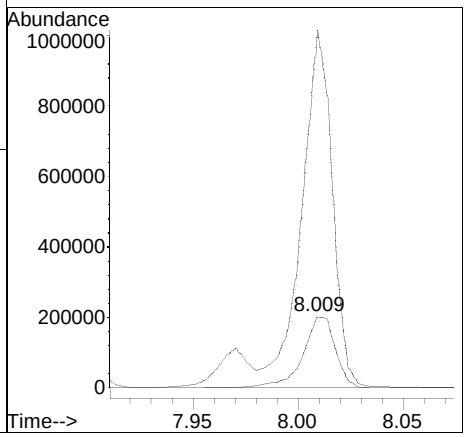


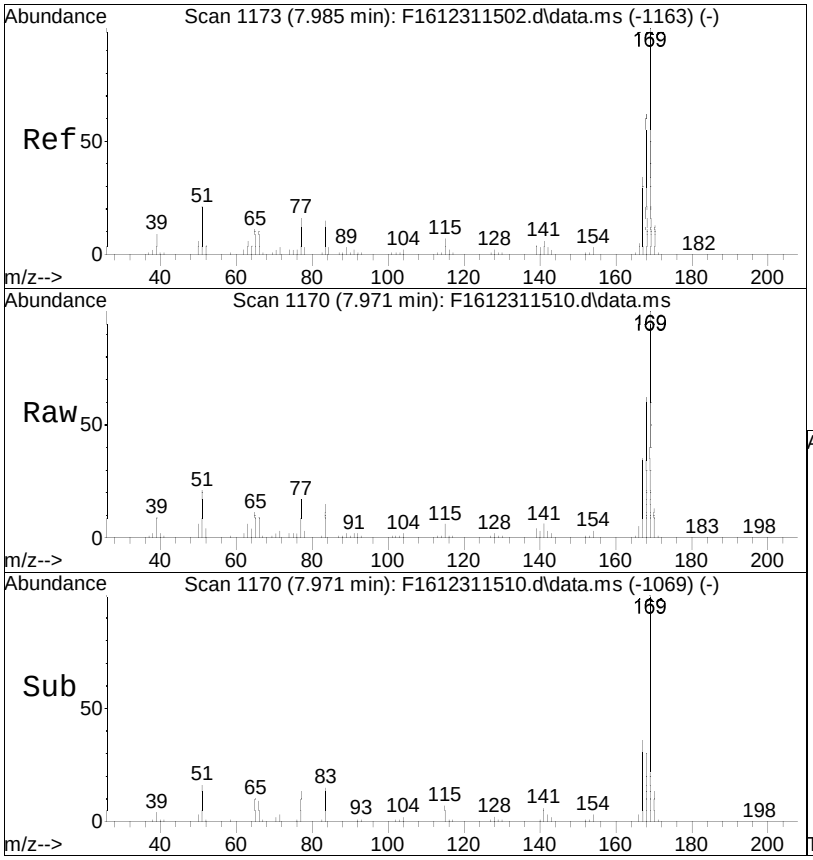


#63
Azobenzene
Concen: 7.13 ug/mL
RT: 8.009 min Scan# 1178
Delta R.T. -0.019 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:182 Resp: 217021

Ion	Ratio	Lower	Upper
182	100		
77	468.0	56.3	647.3

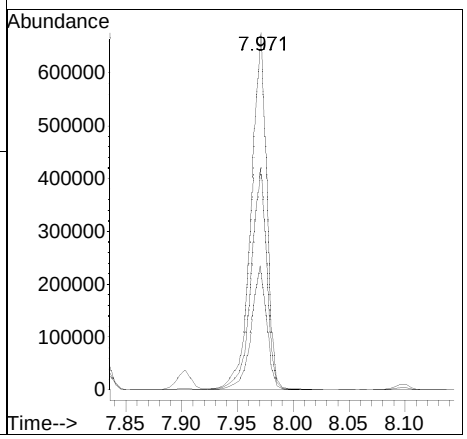


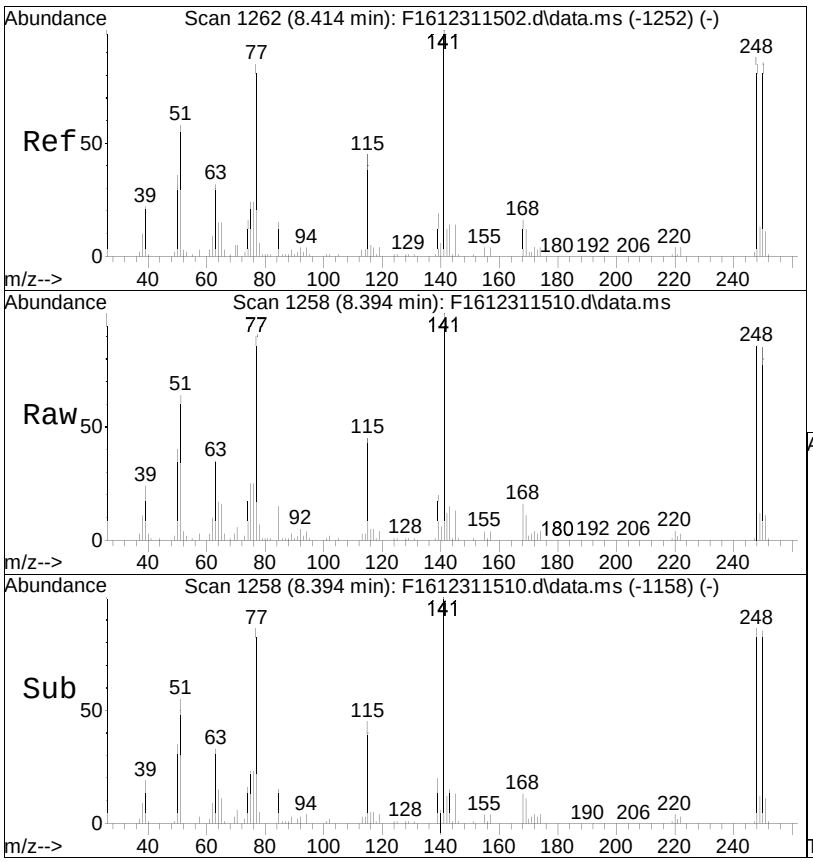


#64
n-Nitrosodiphenylamine
Concen: 8.50 ug/mL
RT: 7.971 min Scan# 1170
Delta R.T. -0.014 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:169 Resp: 652427

Ion	Ratio	Lower	Upper
169	100		
168	62.6	50.7	76.1
167	34.6	28.0	42.0

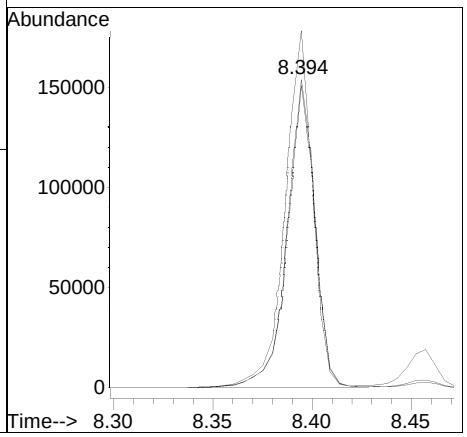


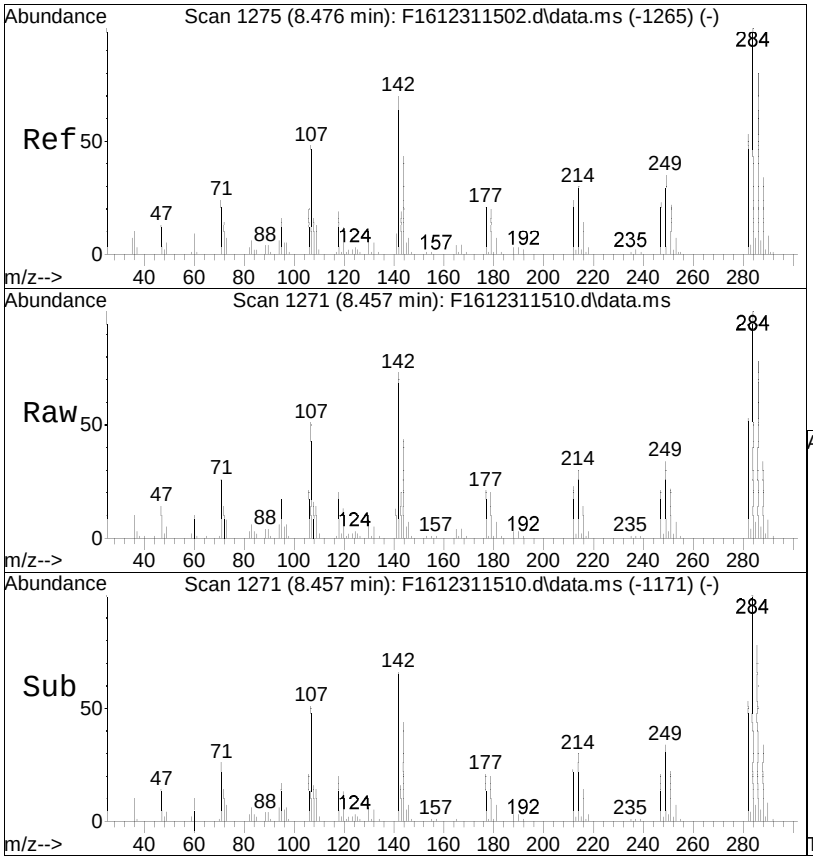


#66
4-Bromophenyl-phenylether
Concen: 6.41 ug/mL
RT: 8.394 min Scan# 1258
Delta R.T. -0.019 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:248 Resp: 150047

Ion	Ratio	Lower	Upper
248	100		
250	96.5	76.2	114.2
141	114.1	74.1	111.1#

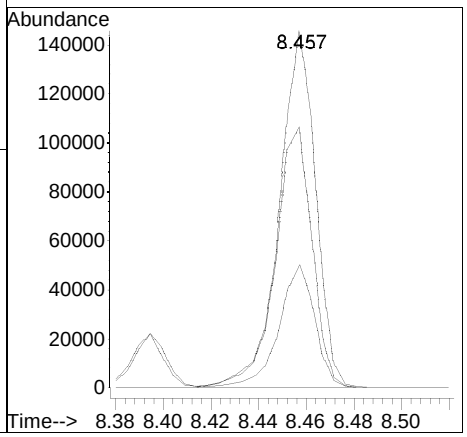


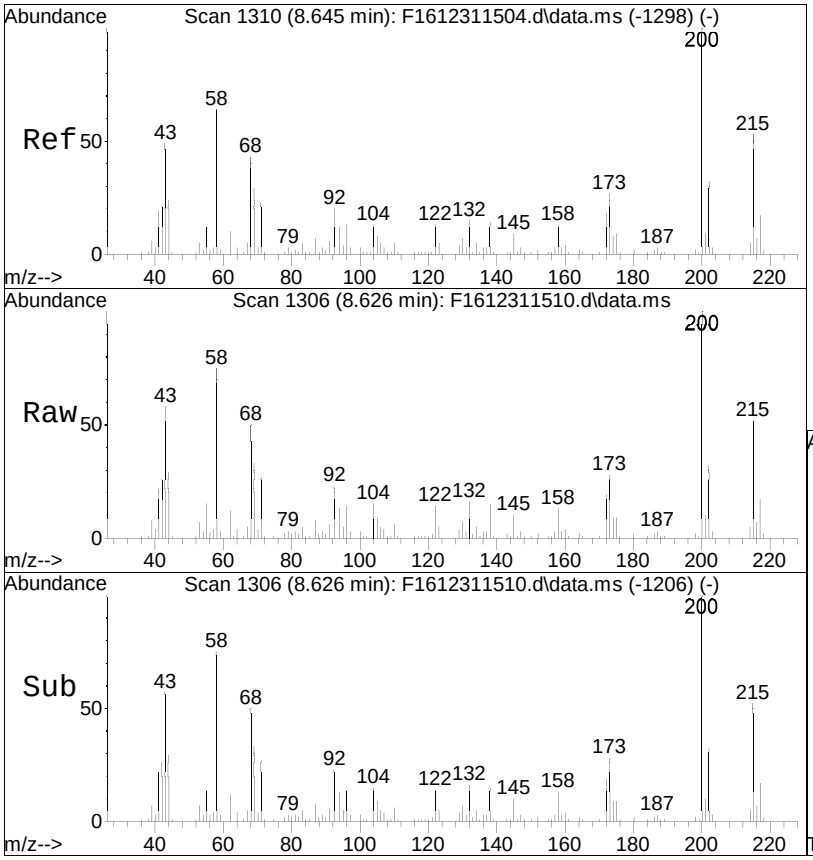


#67
Hexachlorobenzene
Concen: 6.60 ug/mL
RT: 8.457 min Scan# 1271
Delta R.T. -0.019 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:284 Resp: 153702

Ion	Ratio	Lower	Upper
284	100		
142	74.0	41.2	61.8#
249	34.1	25.4	38.0

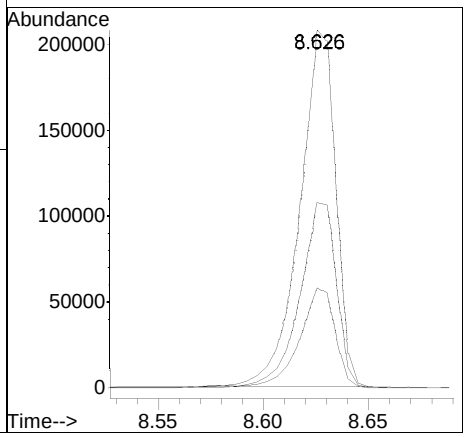


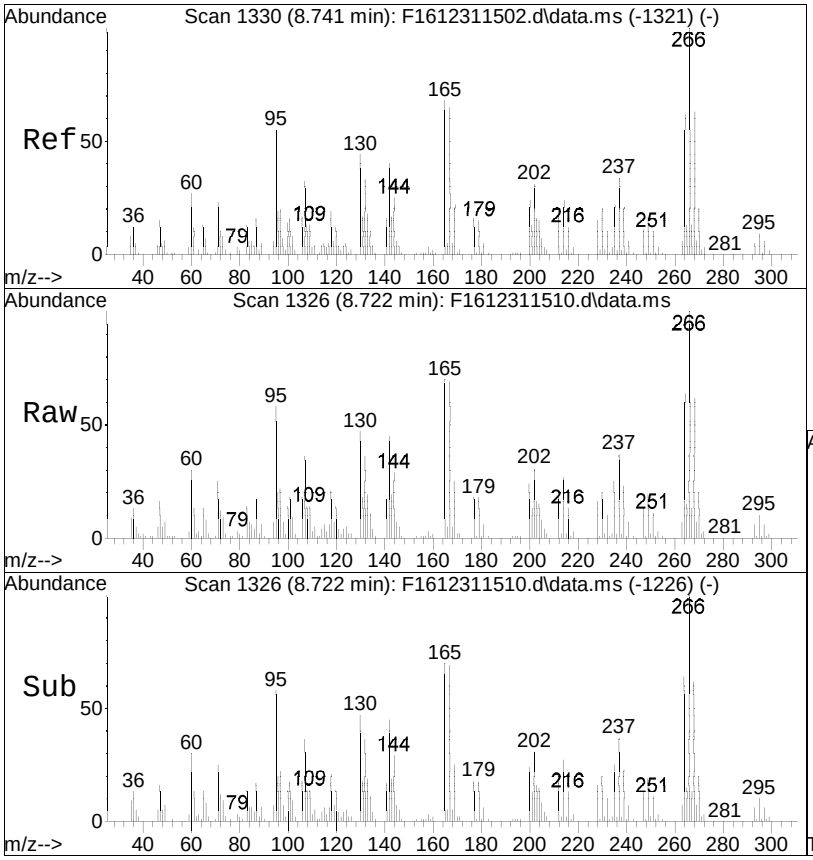


#68
Atrazine
Concen: 9.46 ug/ml
RT: 8.626 min Scan# 1306
Delta R.T. -0.019 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:200 Resp: 245220

Ion	Ratio	Lower	Upper
200	100		
173	27.8	22.3	33.5
215	52.5	41.4	62.0

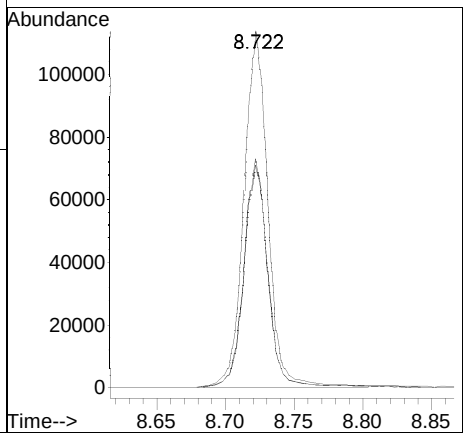


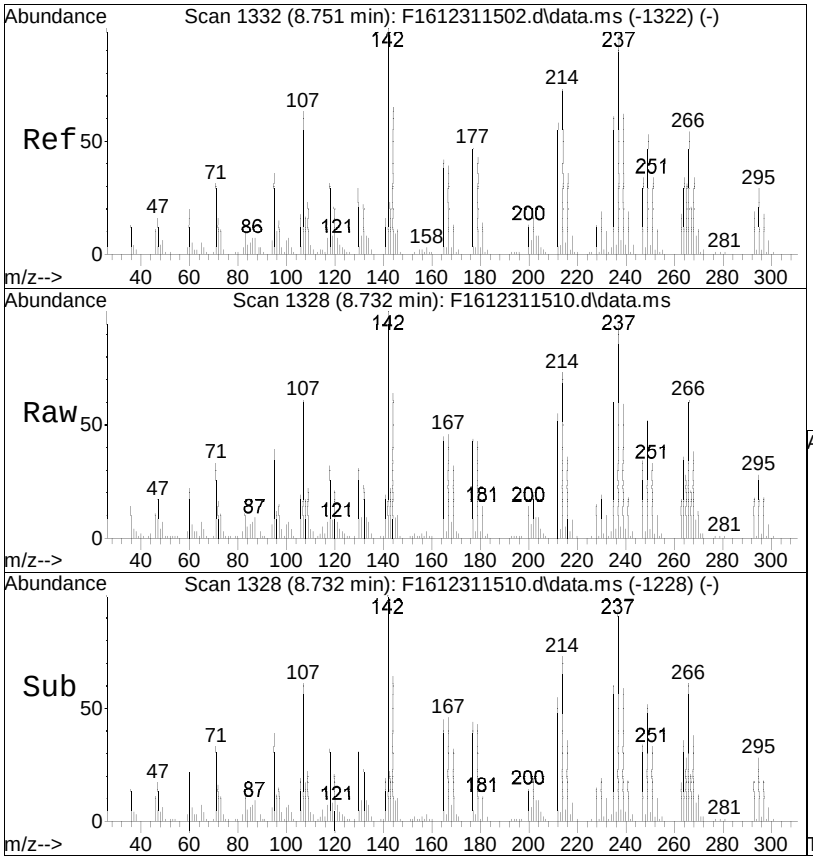


#69
Pentachlorophenol
Concen: 8.33 ug/mL
RT: 8.722 min Scan# 1326
Delta R.T. -0.019 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:266 Resp: 137675

Ion	Ratio	Lower	Upper
266	100		
264	63.6	50.2	75.4
268	62.1	49.4	74.0

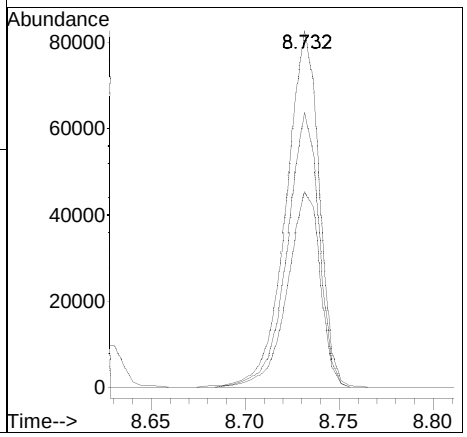


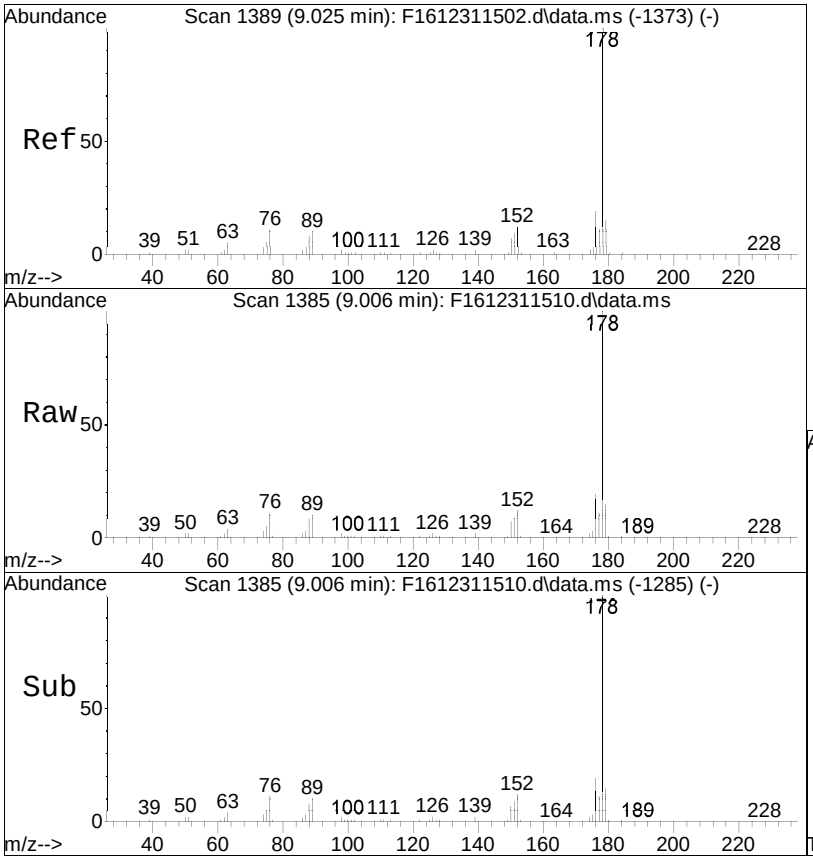


#70
Pentachloronitrobenzene
Concen: 8.81 ug/ml
RT: 8.732 min Scan# 1328
Delta R.T. -0.019 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:237 Resp: 101507

Ion	Ratio	Lower	Upper
237	100		
214	74.3	59.4	89.2
249	54.7	46.4	69.6

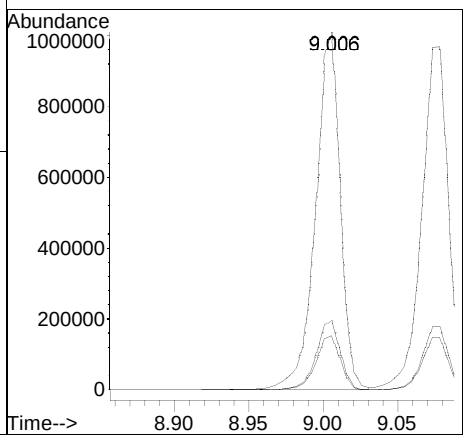


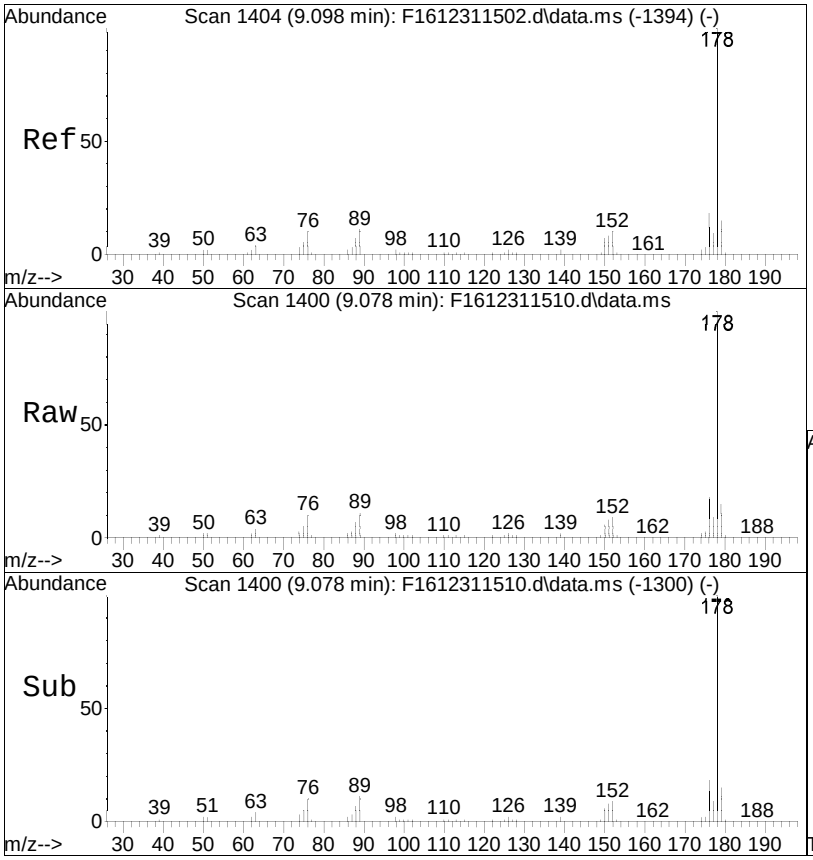


#71
Phenanthrene
Concen: 7.65 ug/mL
RT: 9.006 min Scan# 1385
Delta R.T. -0.019 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:178 Resp: 1166787

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.2
176	19.2	15.1	22.7

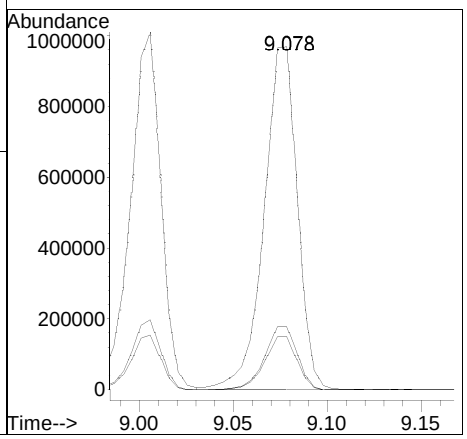


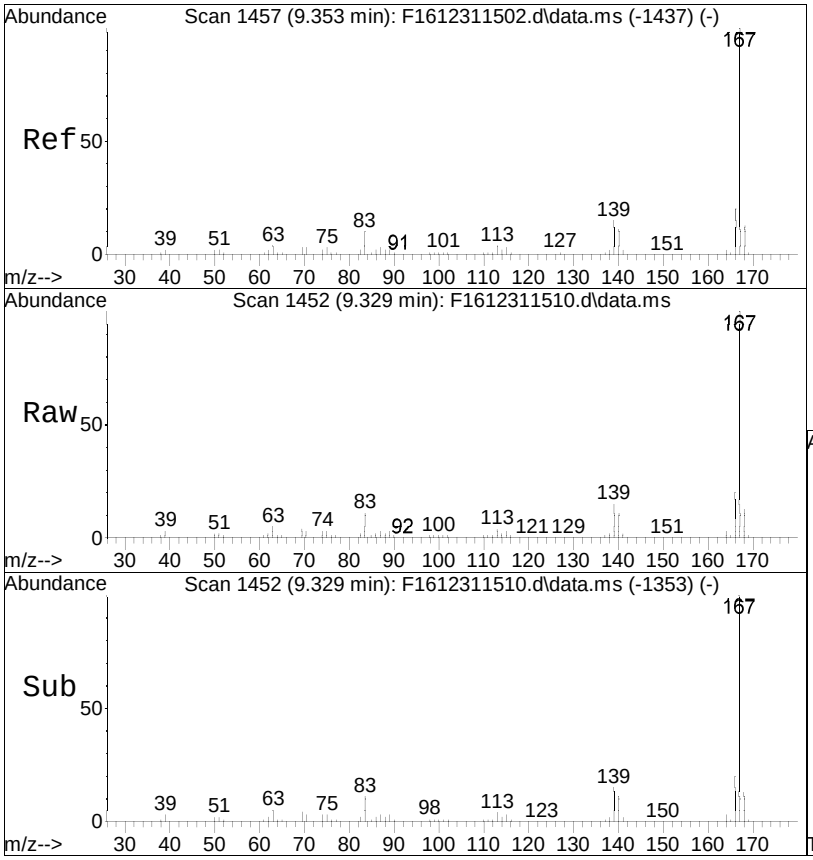


#72
Anthracene
Concen: 8.02 ug/mL
RT: 9.078 min Scan# 1400
Delta R.T. -0.019 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:178 Resp: 1190798

Ion	Ratio	Lower	Upper
178	100		
179	15.4	11.8	17.6
176	18.3	14.2	21.4

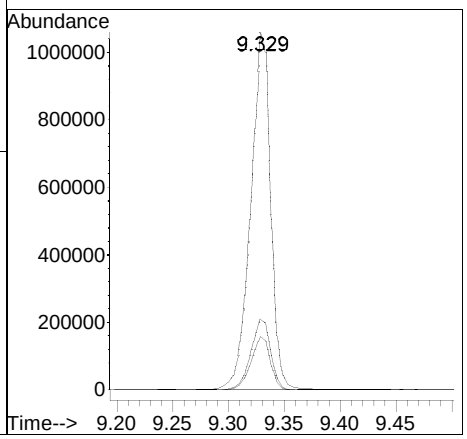


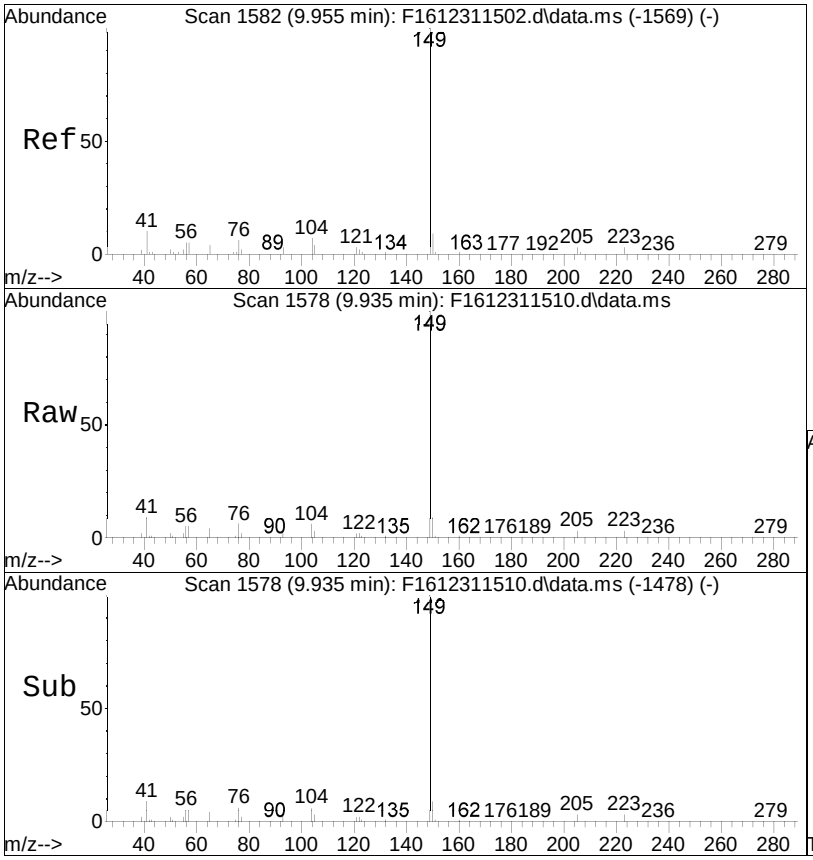


#73
Carbazole
Concen: 8.94 ug/mL
RT: 9.329 min Scan# 1452
Delta R.T. -0.024 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:167 Resp: 1292896

Ion	Ratio	Lower	Upper
167	100		
139	14.7	10.2	15.2
166	19.9	16.1	24.1

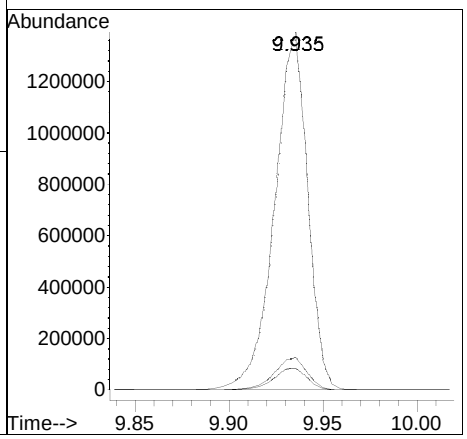


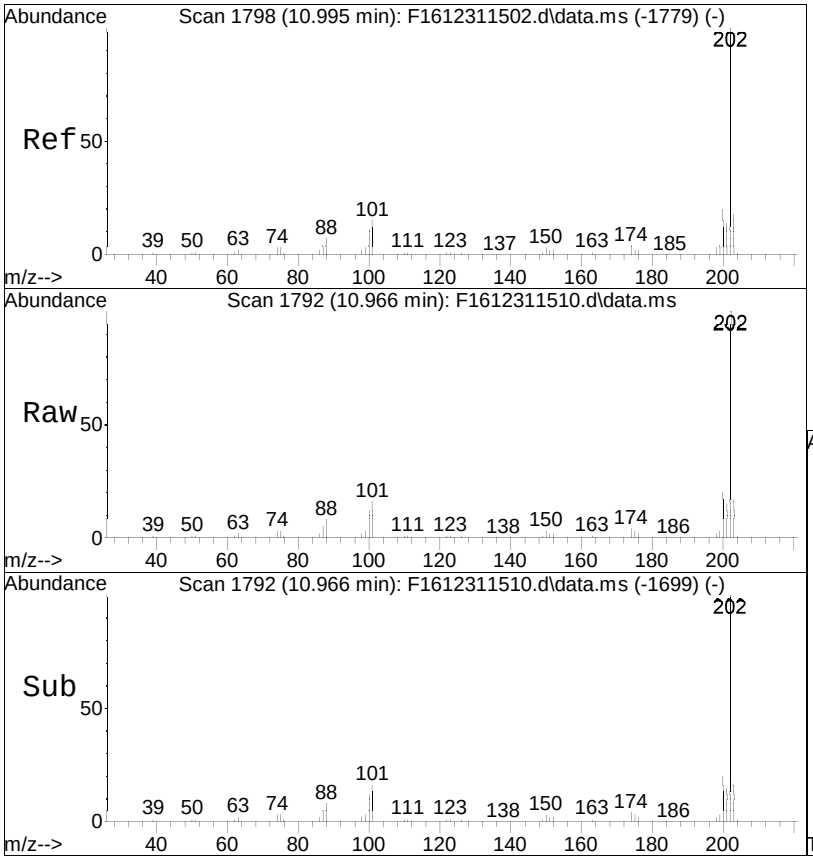


#74
Di-n-butylphthalate
Concen: 9.38 ug/mL
RT: 9.935 min Scan# 1578
Delta R.T. -0.019 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:149 Resp: 1673793

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.0	10.4
104	6.3	3.9	5.9#

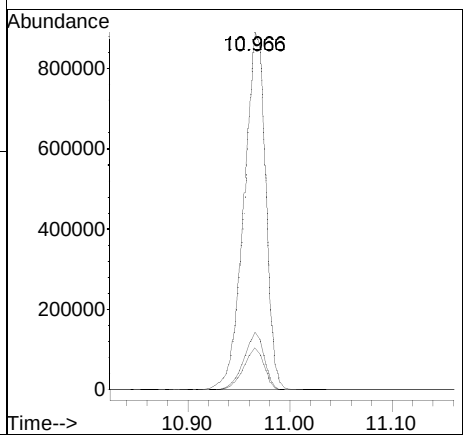


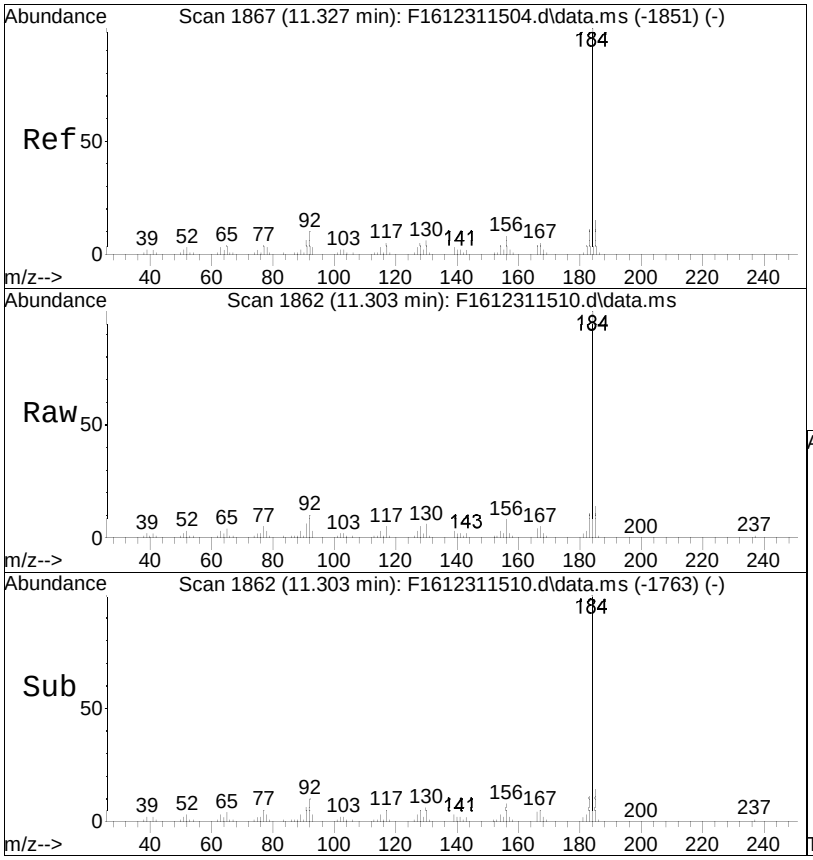


#75
Fluoranthene
Concen: 8.66 ug/mL
RT: 10.966 min Scan# 1792
Delta R.T. -0.029 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:202 Resp: 1295924

Ion	Ratio	Lower	Upper
202	100		
101	15.5	10.3	15.5#
100	11.6	7.5	11.3#

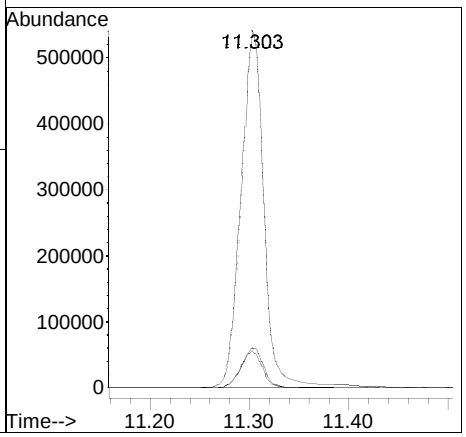


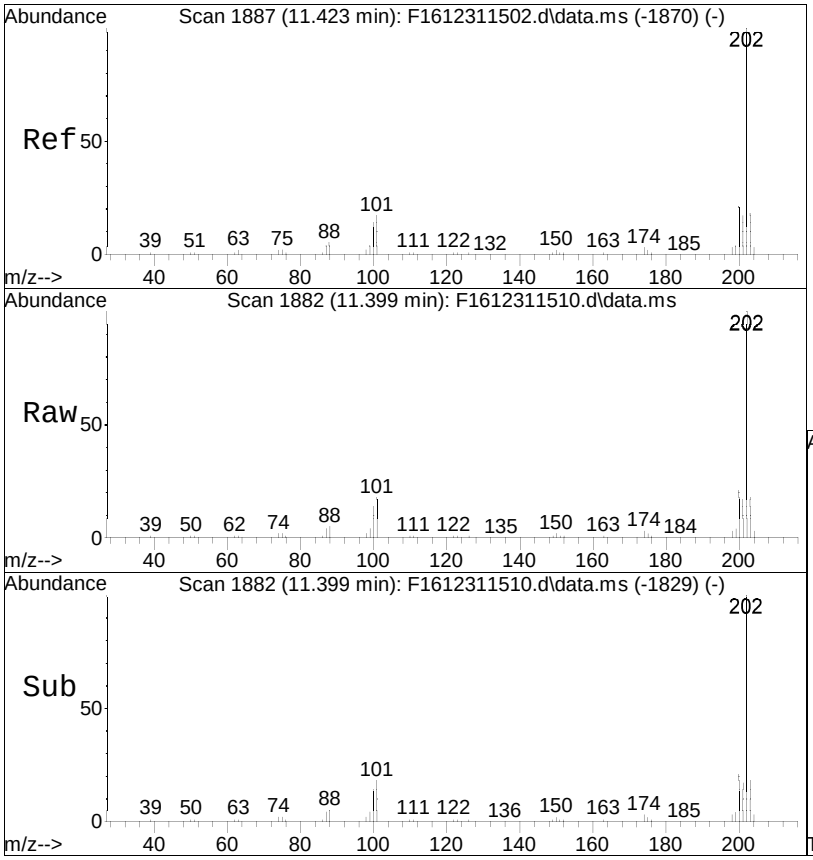


#77
Benzidine
Concen: 7.50 ug/mL
RT: 11.303 min Scan# 1862
Delta R.T. -0.024 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:184 Resp: 854258

Ion	Ratio	Lower	Upper
184	100		
183	11.2	9.0	13.4
92	10.0	8.2	12.2

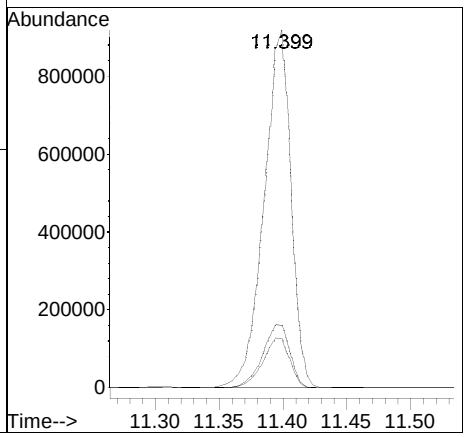


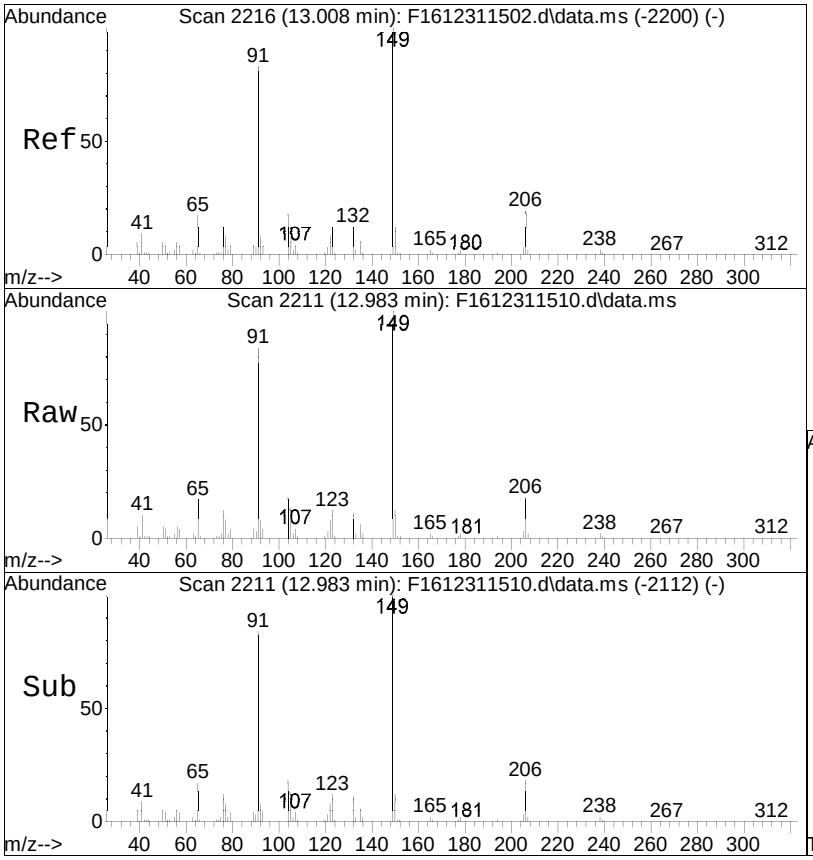


#78
Pyrene
Concen: 8.82 ug/mL
RT: 11.399 min Scan# 1882
Delta R.T. -0.024 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:202 Resp: 1333236

Ion	Ratio	Lower	Upper
202	100		
101	18.3	12.0	18.0#
100	14.1	9.3	13.9#

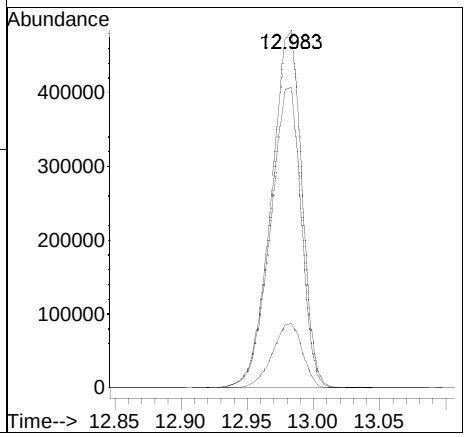


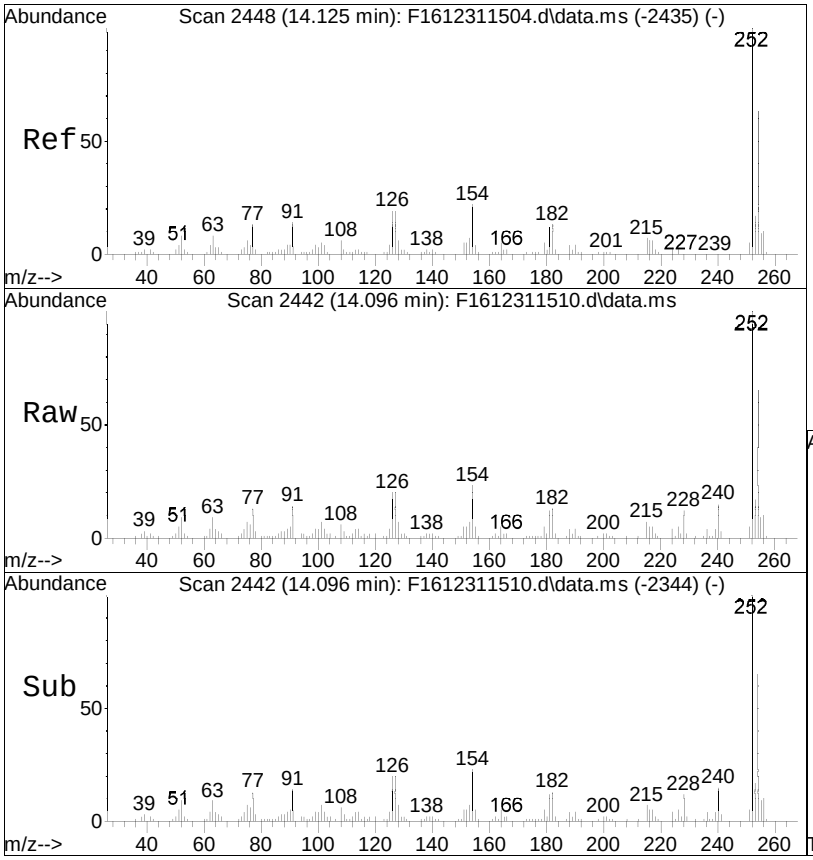


#80
Butylbenzylphthalate
Concen: 9.64 ug/mL
RT: 12.983 min Scan# 2211
Delta R.T. -0.024 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:149 Resp: 772571

Ion	Ratio	Lower	Upper
149	100		
91	85.0	57.8	86.6
206	18.1	18.3	27.5#

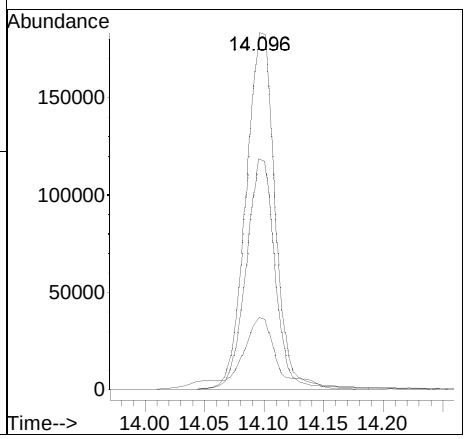


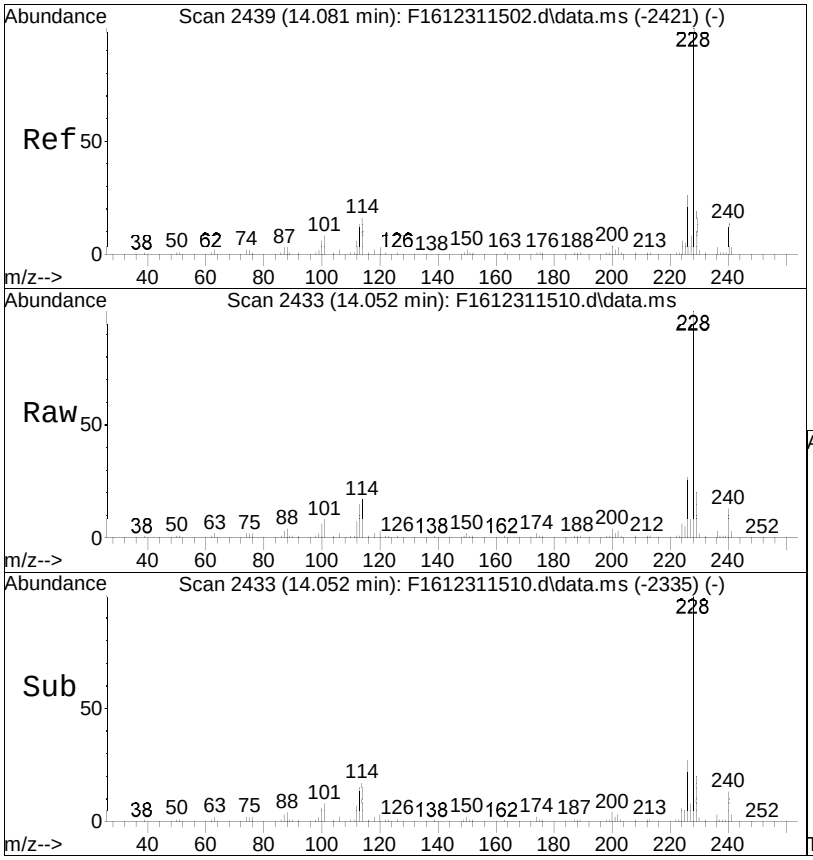


#81
3,3'-Dichlorobenzidine
Concen: 7.04 ug/mL
RT: 14.096 min Scan# 2442
Delta R.T. -0.029 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:252 Resp: 313478

Ion	Ratio	Lower	Upper
252	100		
254	64.3	50.8	76.2
126	23.3	16.4	24.6

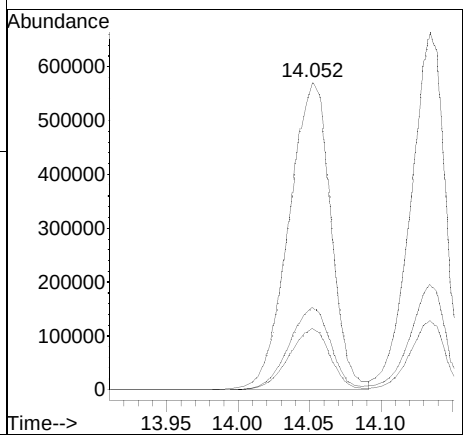


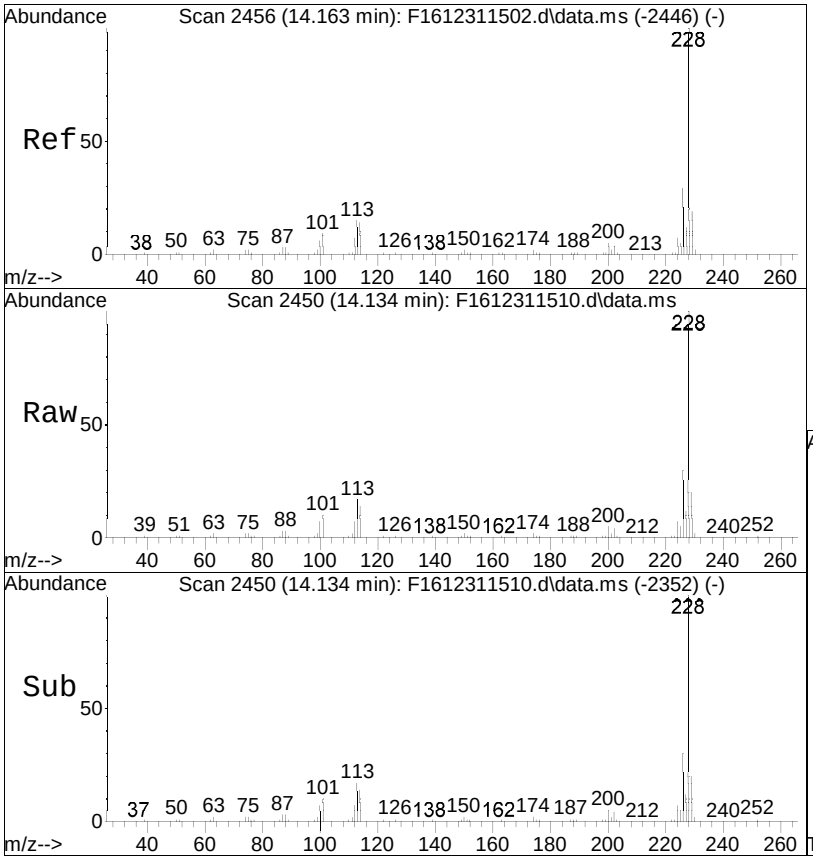


#82
Benz[a]anthracene
Concen: 8.67 ug/mL
RT: 14.052 min Scan# 2433
Delta R.T. -0.029 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:228 Resp: 1164229

Ion	Ratio	Lower	Upper
228	100		
229	19.7	16.1	24.1
226	26.6	21.3	31.9

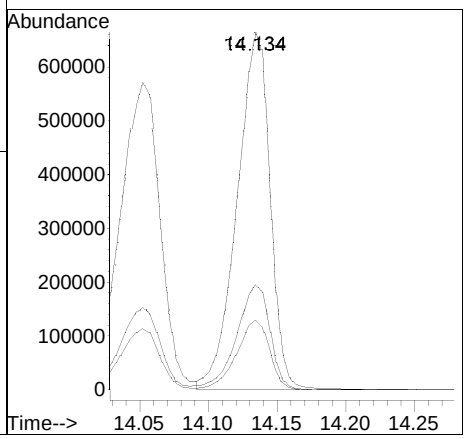


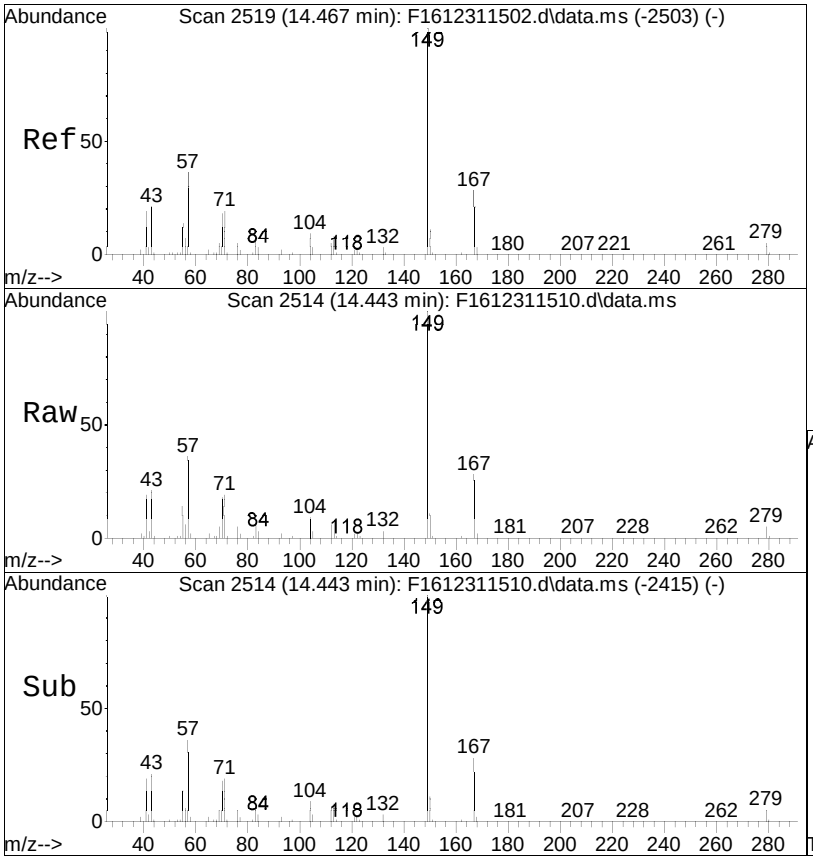


#83
Chrysene
Concen: 8.64 ug/mL
RT: 14.134 min Scan# 2450
Delta R.T. -0.029 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:228 Resp: 1105842

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.6	35.4
229	19.4	15.4	23.0

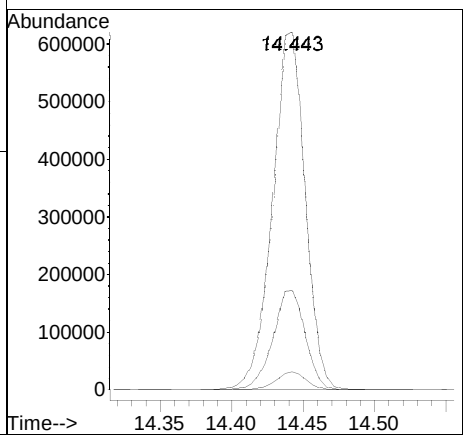


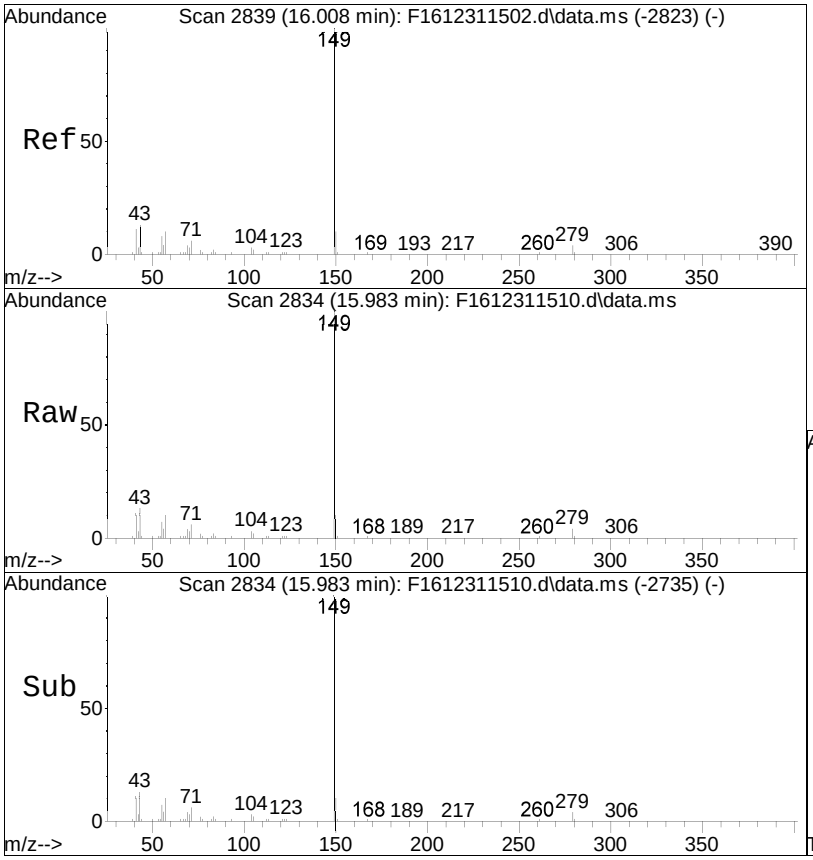


#84
bis(2-Ethylhexyl)phthalate
Concen: 9.42 ug/mL
RT: 14.443 min Scan# 2514
Delta R.T. -0.024 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:149 Resp: 979862

Ion	Ratio	Lower	Upper
149	100		
167	27.9	26.2	39.4
279	4.8	5.2	7.8#

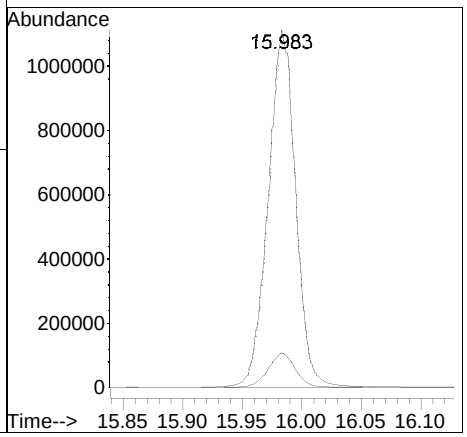


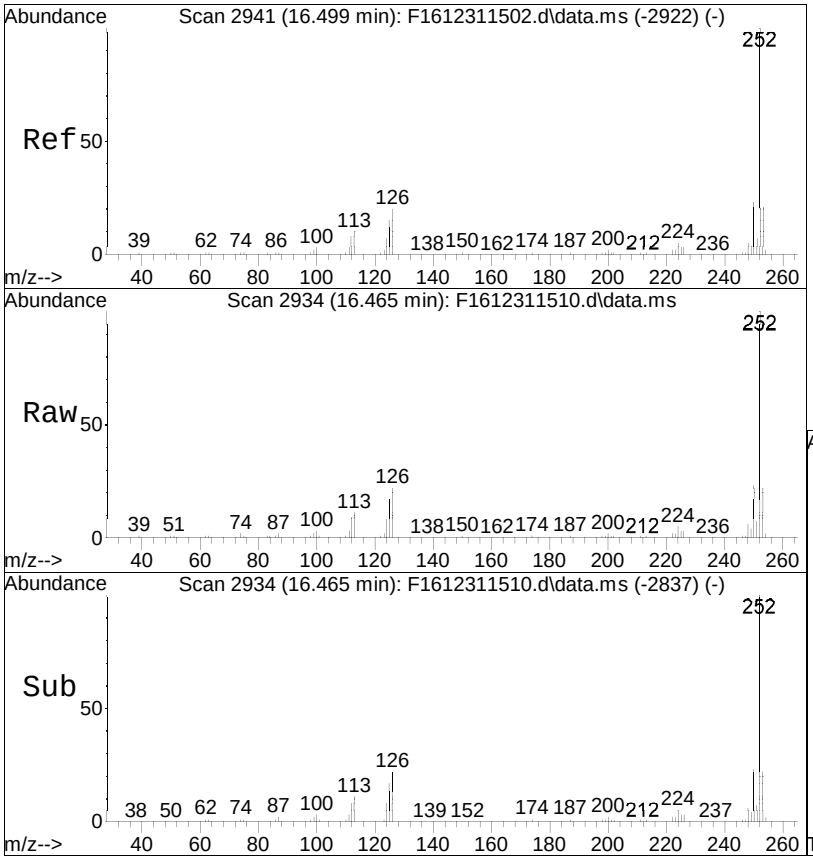


#86
Di-n-octylphthalate
Concen: 10.12 ug/mL
RT: 15.983 min Scan# 2834
Delta R.T. -0.024 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:149 Resp: 1755369

Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.9	11.9

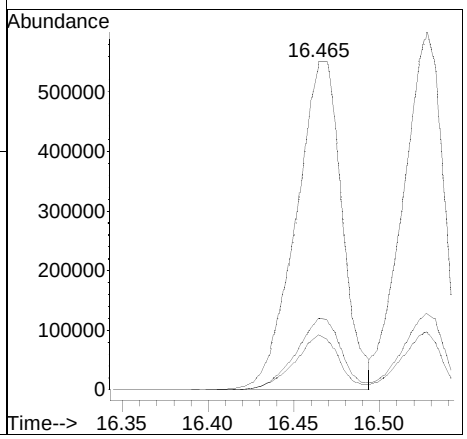


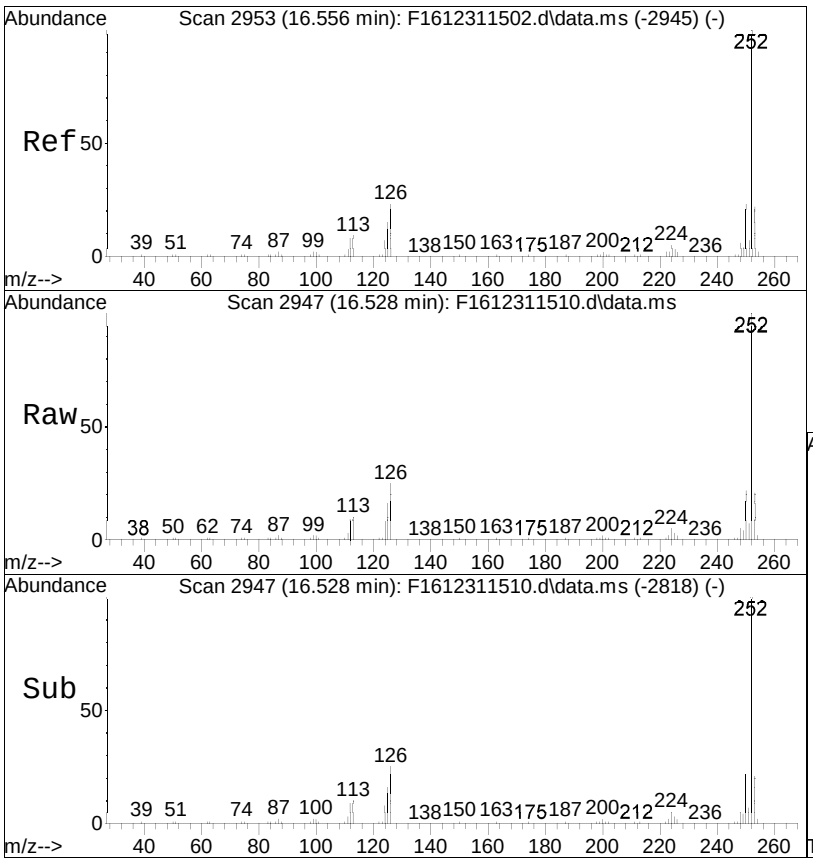


#87
Benzo[b]fluoranthene
Concen: 9.10 ug/mL M4
RT: 16.465 min Scan# 2934
Delta R.T. -0.034 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:252 Resp: 1032765

Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.4	26.0
125	15.2	10.6	16.0

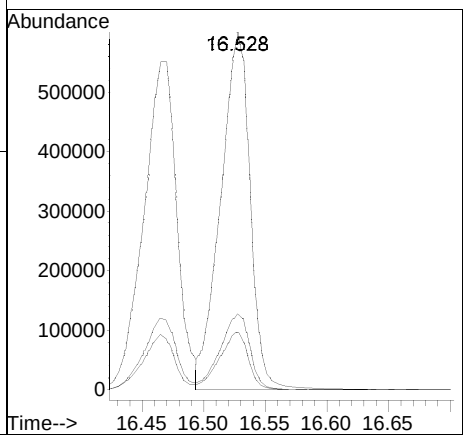


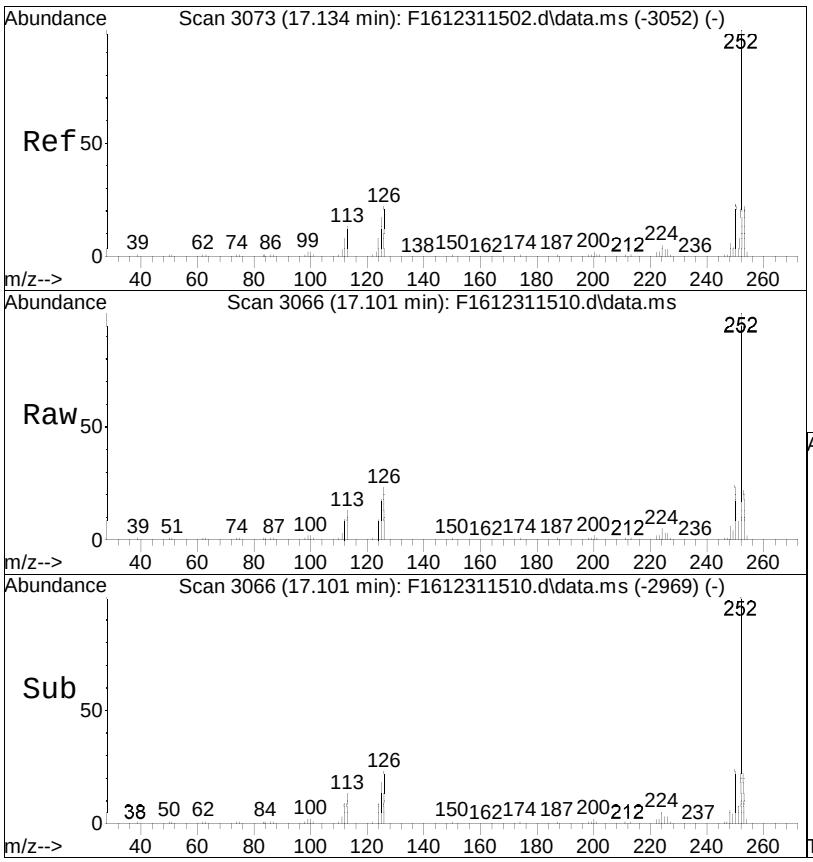


#88
Benzo[k]fluoranthene
Concen: 9.19 ug/mL
RT: 16.528 min Scan# 2947
Delta R.T. -0.029 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:252 Resp: 996592

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	15.7	10.3	15.5#

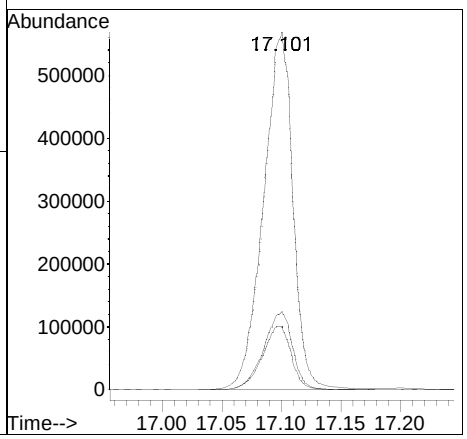


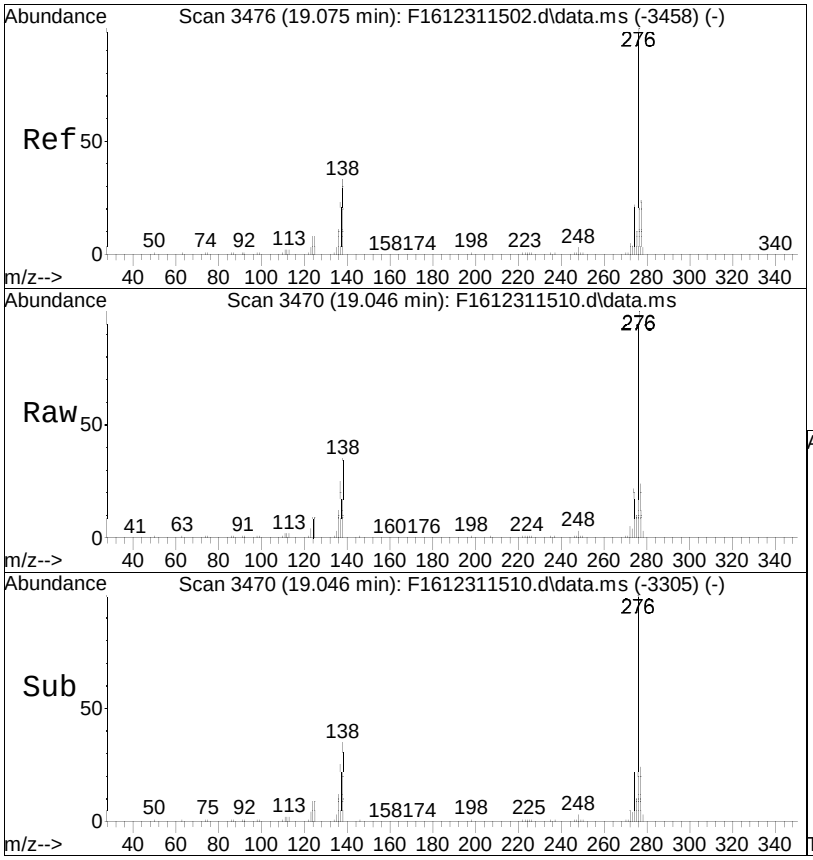


#89
Benzo[a]pyrene
Concen: 9.08 ug/mL
RT: 17.101 min Scan# 3066
Delta R.T. -0.034 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:252 Resp: 969658

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	17.8	11.4	17.2#

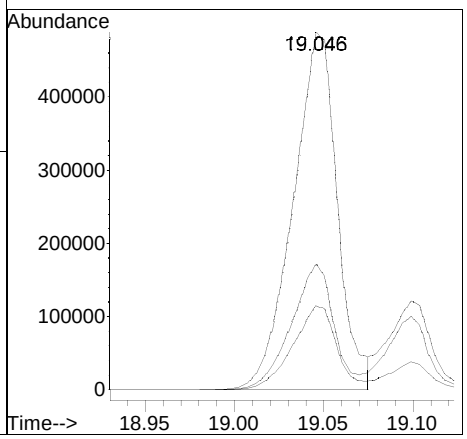


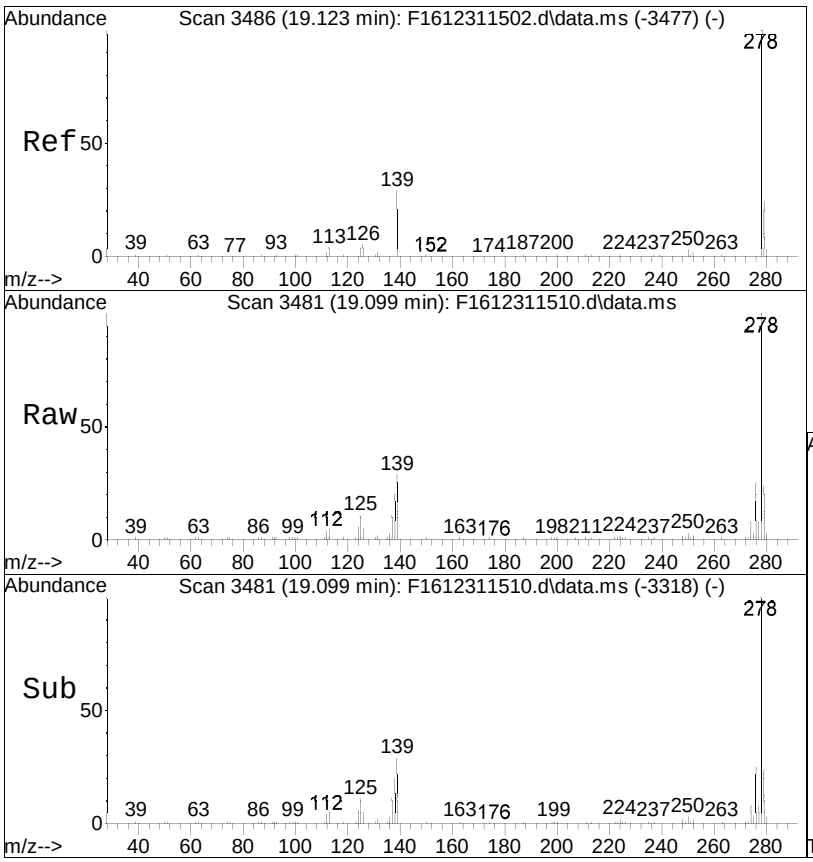


#90
Indeno[1,2,3-cd]pyrene
Concen: 9.12 ug/mL
RT: 19.046 min Scan# 3470
Delta R.T. -0.029 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:276 Resp: 836339

Ion	Ratio	Lower	Upper
276	100		
138	34.1	23.4	35.0
277	23.6	19.2	28.8

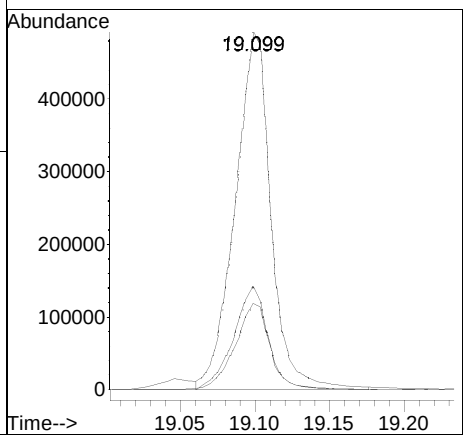


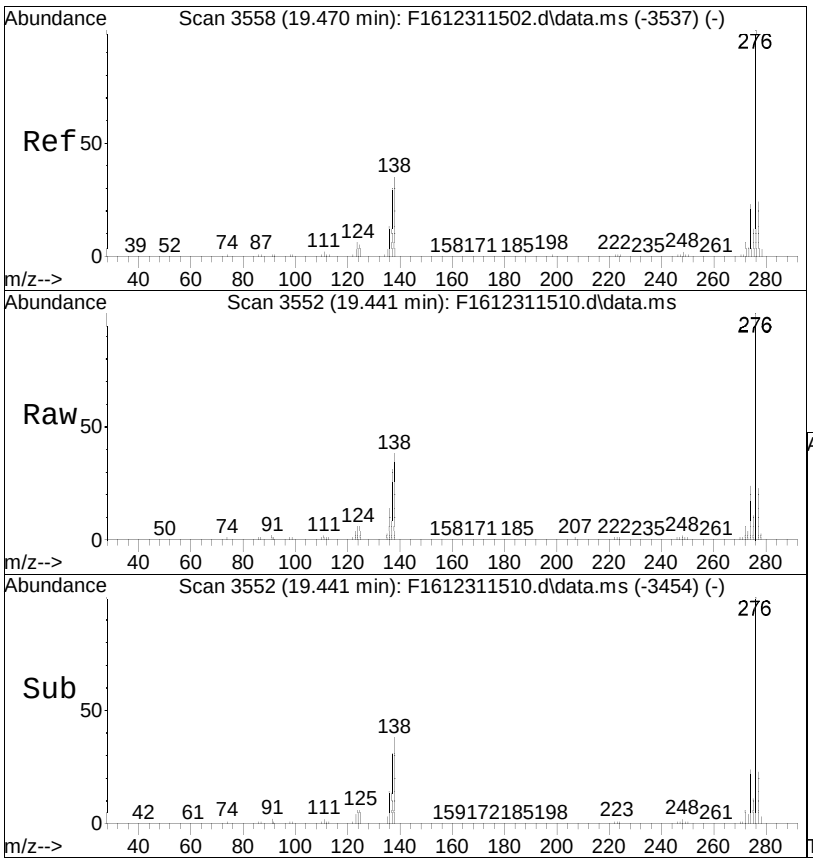


#91
Dibenz[a,h]anthracene
Concen: 9.05 ug/mL M4
RT: 19.099 min Scan# 3481
Delta R.T. -0.024 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:278 Resp: 818794

Ion	Ratio	Lower	Upper
278	100		
139	28.0	18.5	27.7#
279	24.4	18.9	28.3

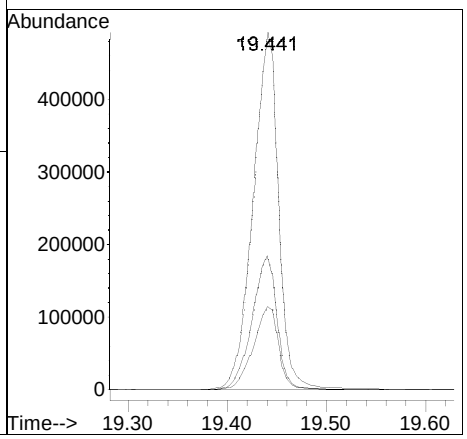




#92
Benzo[g,h,i]perylene
Concen: 9.20 ug/mL
RT: 19.441 min Scan# 3552
Delta R.T. -0.029 min
Lab File: F1612311510.d
Acq: 31 Dec 2015 4:11 pm

Tgt Ion:276 Resp: 871601

Ion	Ratio	Lower	Upper
276	100		
138	36.9	20.3	30.5#
277	23.7	19.0	28.4



Matrix Spike / Matrix Spike Duplicate Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311516.d
Acq On : 31 Dec 2015 7:05 pm
Operator : PAH16:JT
Sample : WG852537-4
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 04 15:58:49 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.422	152	207250	5.000	ug/mL	-0.01
21) Naphthalene-d8	5.578	136	796151	5.000	ug/mL	-0.01
38) Acenaphthene-d10	7.273	164	379899	5.000	ug/mL	-0.01
61) Phenanthrene-d10	8.972	188	700890	5.000	ug/mL	-0.01
76) Chrysene-d12	14.072	240	590453	5.000	ug/mL	-0.02
85) Perylene-d12	17.207	264	497208	5.000	ug/mL	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	3.382	112	383707	6.612	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 33.06%			
8) Phenol-d5	4.109	99	358143	4.576	ug/mL	-0.01
Spiked Amount 20.000	Range 10 - 94		Recovery = 22.88%			
22) Nitrobenzene-d5	4.918	82	873256	12.997	ug/mL	-0.01
Spiked Amount 20.000	Range 35 - 114		Recovery = 64.98%			
43) 2-Fluorobiphenyl	6.622	172	1353193	12.567	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 62.83%			
65) 2,4,6-Tribromophenol	8.101	330	151278	16.275	ug/mL	-0.01
Spiked Amount 20.000	Range 10 - 123		Recovery = 81.38%			
79) Terphenyl-d14	11.813	244	1555447	17.698	ug/mL	-0.02
Spiked Amount 20.000	Range 33 - 141		Recovery = 88.49%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.448	74	138778	3.977	ug/mL#	71
3) Pyridine	2.467	79	157391	2.472	ug/mL#	77
5) Benzaldehyde	4.061	77	298336	6.244	ug/ml	97
6) Aniline	4.147	93	376328M4	4.249	ug/ml	
7) bis(2-Chloroethyl)ether	4.196	63	306910	6.269	ug/mL	84
9) Phenol	4.123	94	196874	2.434	ug/mL#	76
10) 2-Chlorophenol	4.244	128	353899	5.527	ug/mL#	90
11) 1,3-Dichlorobenzene	4.369	146	211736	3.073	ug/mL	99
12) 1,4-Dichlorobenzene	4.436	146	221493M4	3.193	ug/mL	
13) 1,2-Dichlorobenzene	4.566	146	217517	3.337	ug/mL	100
14) Benzyl alcohol	4.542	108	233543	5.755	ug/mL	90
15) bis(2-chloroisopropyl)eth	4.658	45	604792	6.401	ug/mL#	56
16) 2-Methylphenol	4.643	108	280018	4.975	ug/mL	100
17) Acetophenone	4.778	105	544113	7.444	ug/ml#	81
18) Hexachloroethane	4.865	117	87533	3.007	ug/mL#	80
19) N-Nitroso-di-n-propylamin	4.778	70	332859	6.851	ug/mL#	86
20) 4-Methylphenol	4.783	108	296771	4.850	ug/mL	99
23) Nitrobenzene	4.937	77	446087	6.374	ug/mL	94

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311516.d
Acq On : 31 Dec 2015 7:05 pm
Operator : PAH16:JT
Sample : WG852537-4
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 04 15:58:49 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.154	82	738909	7.112	ug/mL	97
25) 2-Nitrophenol	5.226	139	202338	6.223	ug/mL#	85
26) 2,4-Dimethylphenol	5.269	107	228825	4.592	ug/mL	97
27) Benzoic acid	5.404	105	655630M4	14.851	ug/mL	
28) bis(2-Chloroethoxy)methan	5.356	93	473125	6.785	ug/mL	98
29) 2,4-Dichlorophenol	5.452	162	292807	6.445	ug/mL	95
30) 1,2,4-Trichlorobenzene	5.525	180	163344	3.371	ug/mL	97
31) Naphthalene	5.597	128	773171	4.334	ug/mL	100
32) 2-Chloroaniline	5.192	127	567121	6.145	ug/ml	100
33) 4-Chloroaniline	5.659	127	365017	5.048	ug/mL#	1
34) Hexachlorobutadiene	5.712	225	71961	2.954	ug/mL	100
35) Caprolactam	5.992	113	40769M4	2.500	ug/ml	
36) 4-Chloro-3-methylphenol	6.131	107	385782	7.282	ug/mL	97
37) 2-Methylnaphthalene	6.261	142	487278	4.209	ug/mL	100
39) 1,2,4,5-Tetrachlorobenzen	6.420	216	148705	3.584	ug/mL	99
40) Hexachlorocyclopentadiene	6.406	237	62360	3.610	ug/mL	100
41) 2,4,6-Trichlorophenol	6.541	196	215389	7.407	ug/mL	100
42) 2,4,5-Trichlorophenol	6.579	196	232622	7.712	ug/mL	100
44) Biphenyl	6.714	154	775742	6.441	ug/ml	99
45) 2-Chloronaphthalene	6.733	162	452330	4.659	ug/mL#	89
46) 2-Nitroaniline	6.844	65	317169	8.553	ug/mL#	79
47) Acenaphthylene	7.133	152	1022990	6.115	ug/mL	100
48) Dimethylphthalate	7.022	163	868169	8.223	ug/mL	99
49) 2,6-Dinitrotoluene	7.085	165	202309	8.190	ug/mL#	79
50) Acenaphthene	7.306	153	613703	5.833	ug/mL	99
51) 3-Nitroaniline	7.248	138	198019	6.874	ug/mL	83
52) 2,4-Dinitrophenol	7.354	184	150919	8.778	ug/mL#	71
53) Dibenzofuran	7.475	168	858957	6.397	ug/mL	89
54) 2,3,4,6-Tetrachlorophenol	7.605	232	167441	8.446	#	93
55) 2,4-Dinitrotoluene	7.480	165	292672	8.569	ug/mL#	40
56) 4-Nitrophenol	7.436	109	66025	4.129	ug/mL#	79
57) Fluorene	7.831	166	808254	7.312	ug/mL	98
58) 4-Chlorophenyl-phenylethe	7.836	204	325329	6.821	ug/mL	91
59) Diethylphthalate	7.725	149	995196	8.760	ug/mL	96
60) 4-Nitroaniline	7.870	138	222229M4	7.984	ug/mL	
62) 4,6-Dinitro-2-methylpheno	7.903	198	170190	8.594	ug/mL#	100
63) Azobenzene	8.009	182	236347	7.734	ug/mL	50
64) n-Nitrosodiphenylamine	7.971	169	636031	8.256	ug/mL	99
66) 4-Bromophenyl-phenylether	8.395	248	177897	7.568	ug/mL#	87
67) Hexachlorobenzene	8.457	284	180463	7.719	ug/mL#	79
68) Atrazine	8.630	200	229959	8.839	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311516.d
Acq On : 31 Dec 2015 7:05 pm
Operator : PAH16:JT
Sample : WG852537-4
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 04 15:58:49 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	8.722	266	142804	8.578	ug/mL	98
70) Pentachloronitrobenzene	8.732	237	108129	9.351	ug/ml	97
71) Phenanthrene	9.006	178	1271499	8.308	ug/mL	100
72) Anthracene	9.078	178	1241817	8.332	ug/mL	98
73) Carbazole	9.329	167	1264398	8.715	ug/mL	98
74) Di-n-butylphthalate	9.935	149	1589880	8.879	ug/mL#	97
75) Fluoranthene	10.966	202	1269971	8.452	ug/mL#	94
77) Benzidine	11.308	184	5687	0.328	ug/mL#	86
78) Pyrene	11.394	202	1317673	8.901	ug/mL#	93
80) Butylbenzylphthalate	12.979	149	767810	9.784	ug/mL#	86
81) 3,3'-Dichlorobenzidine	14.096	252	257584	5.907	ug/mL	99
82) Benz[a]anthracene	14.053	228	1136906	8.641	ug/mL	99
83) Chrysene	14.134	228	1067057	8.509	ug/mL	100
84) bis(2-Ethylhexyl)phthalat	14.443	149	960308	9.432	ug/mL#	92
86) Di-n-octylphthalate	15.983	149	1715998	9.762	ug/mL	100
87) Benzo[b]fluoranthene	16.465	252	1001041	8.703	ug/mL#	97
88) Benzo[k]fluoranthene	16.528	252	971904	8.845	ug/mL#	96
89) Benzo[a]pyrene	17.101	252	952282	8.805	ug/mL#	96
90) Indeno[1,2,3-cd]pyrene	19.051	276	797298	8.586	ug/mL	94
91) Dibenz[a,h]anthracene	19.099	278	791343M4	8.635	ug/mL	
92) Benzo[g,h,i]perylene	19.441	276	846897	8.819	ug/mL#	87

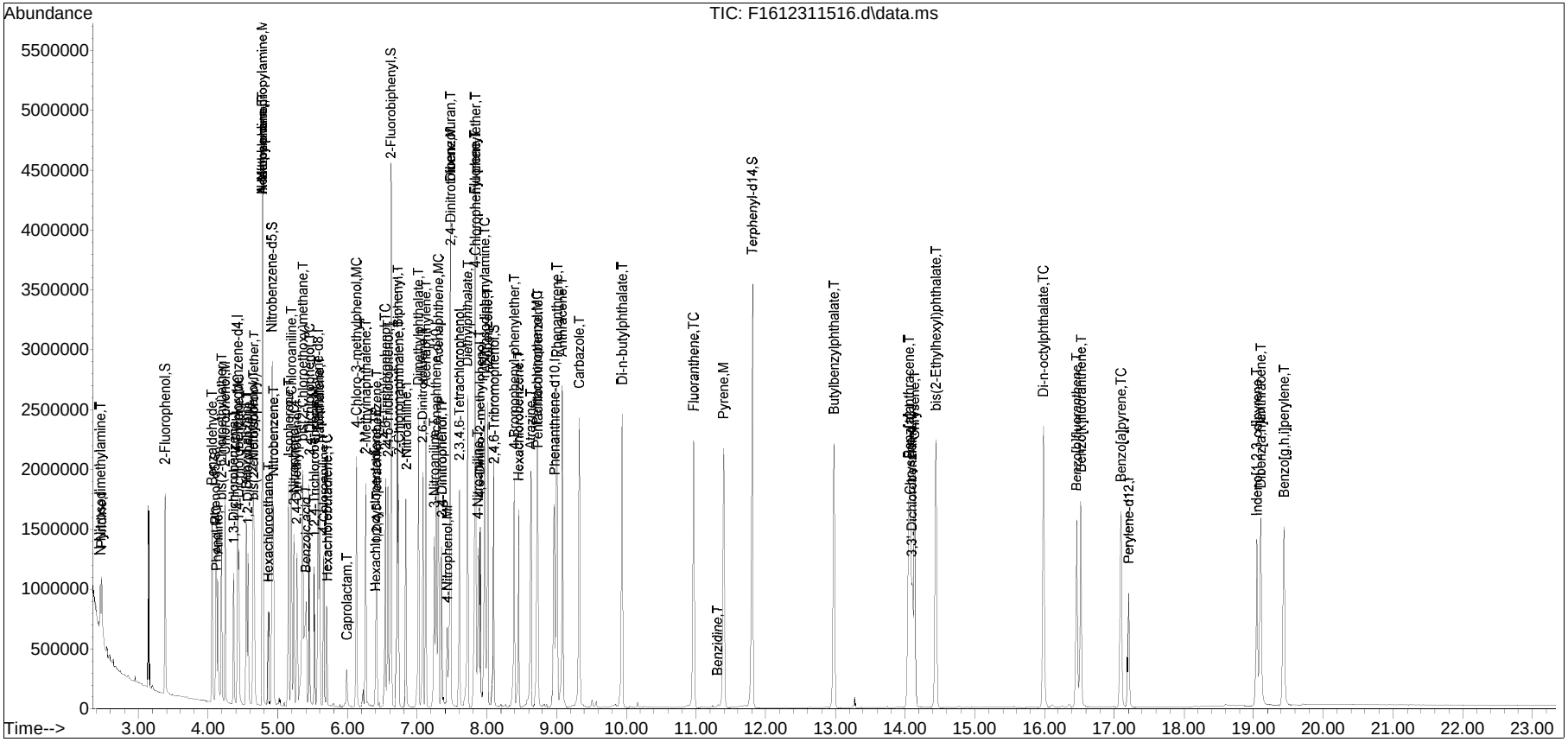
(#) = qualifier out of range (m) = manual integration (+) = signals summed

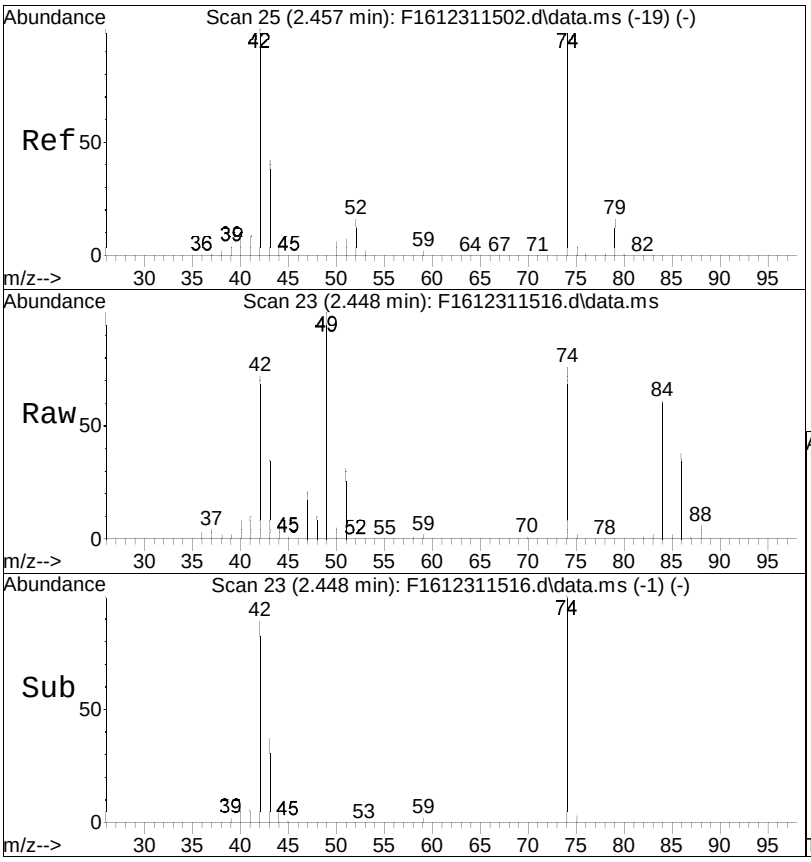
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311516.d
Acq On : 31 Dec 2015 7:05 pm
Operator : PAH16:JT
Sample : WG852537-4
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 04 15:58:49 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

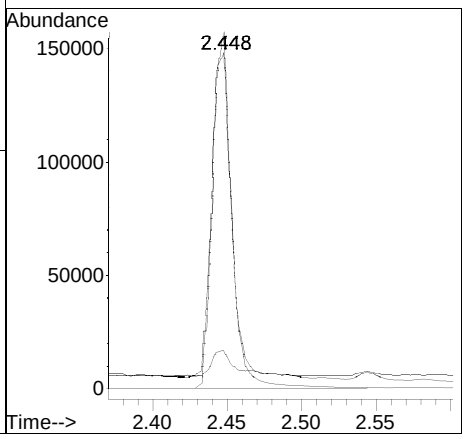


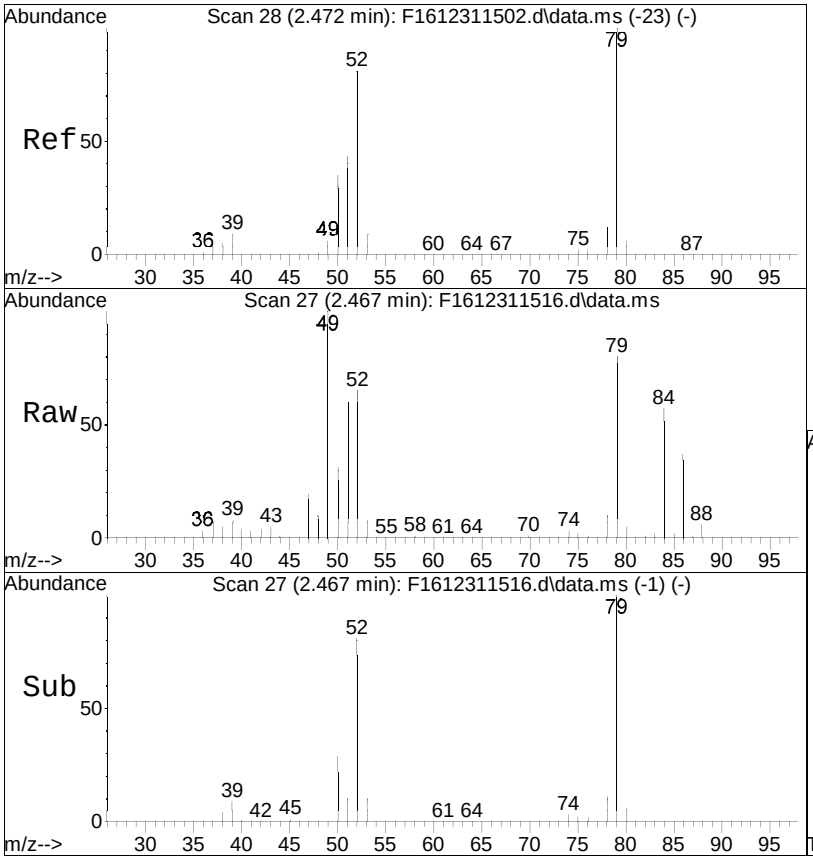


#2
N-Nitrosodimethylamine
Concen: 3.98 ug/mL
RT: 2.448 min Scan# 23
Delta R.T. -0.010 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion: 74 Resp: 138778

Ion	Ratio	Lower	Upper
74	100		
42	94.0	55.2	82.8#
40	7.7	4.4	6.6#

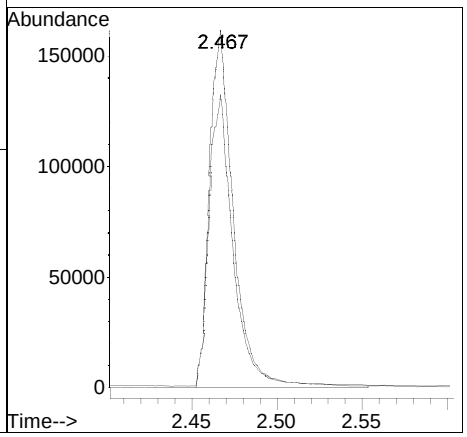


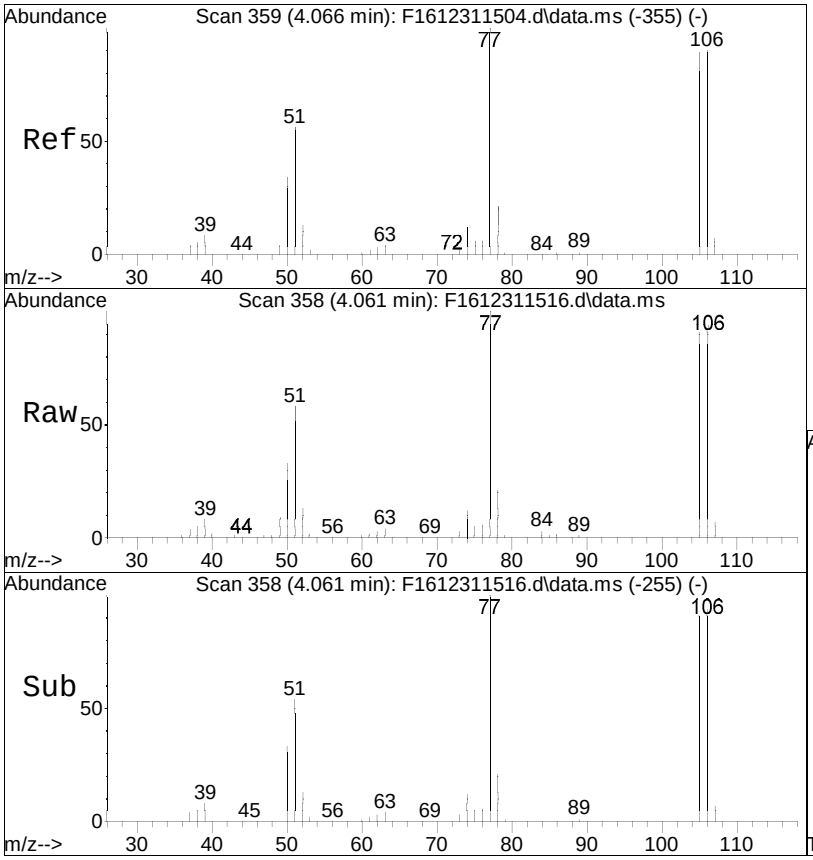


#3
Pyridine
Concen: 2.47 ug/mL
RT: 2.467 min Scan# 27
Delta R.T. -0.005 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion: 79 Resp: 157391

Ion	Ratio	Lower	Upper
79	100		
52	79.7	49.5	74.3#

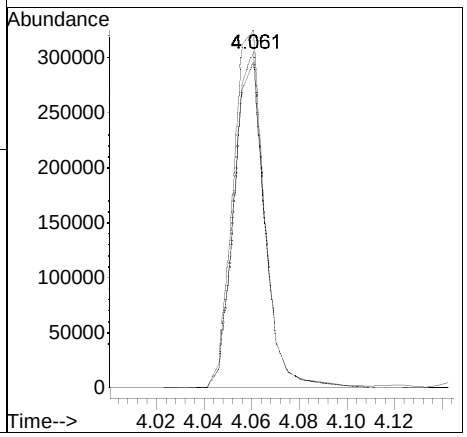


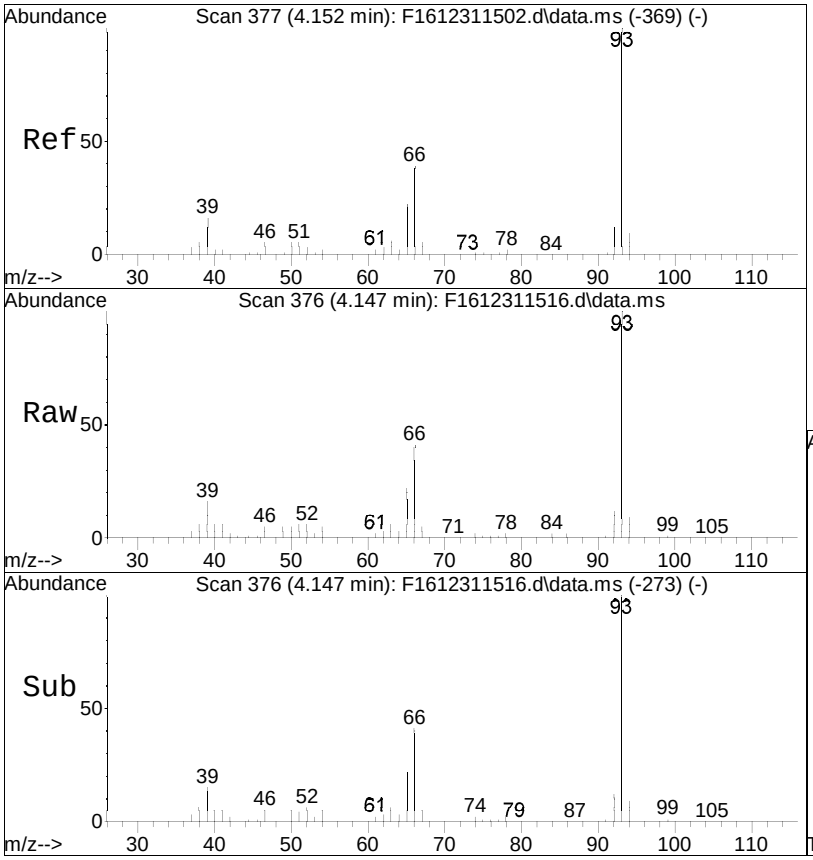


#5
Benzaldehyde
Concen: 6.24 ug/ml
RT: 4.061 min Scan# 358
Delta R.T. -0.005 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion: 77 Resp: 298336

Ion	Ratio	Lower	Upper
77	100		
105	89.1	73.7	110.5
106	91.7	75.9	113.9

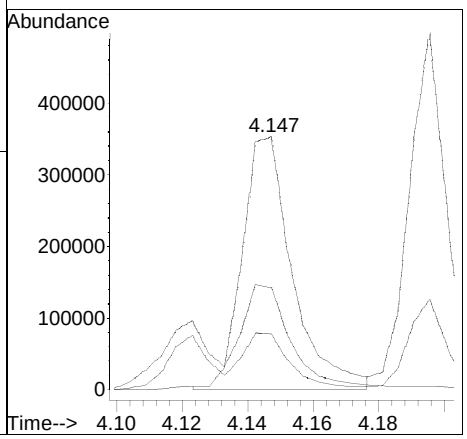


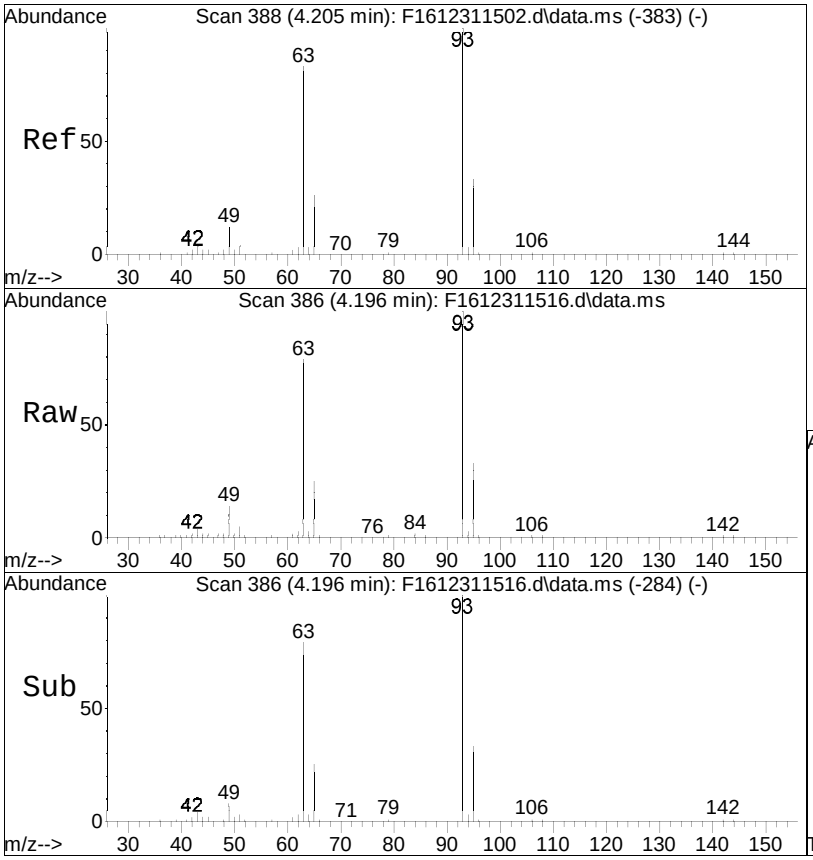


#6
Aniline
Concen: 4.25 ug/ml M4
RT: 4.147 min Scan# 376
Delta R.T. -0.005 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion: 93 Resp: 376328

Ion	Ratio	Lower	Upper
93	100		
66	41.2	220.7	331.1#
65	21.9	23.4	35.2#

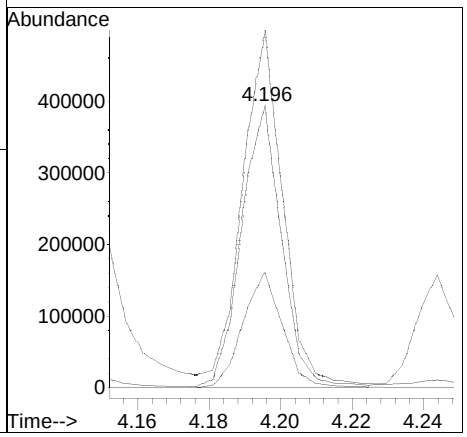


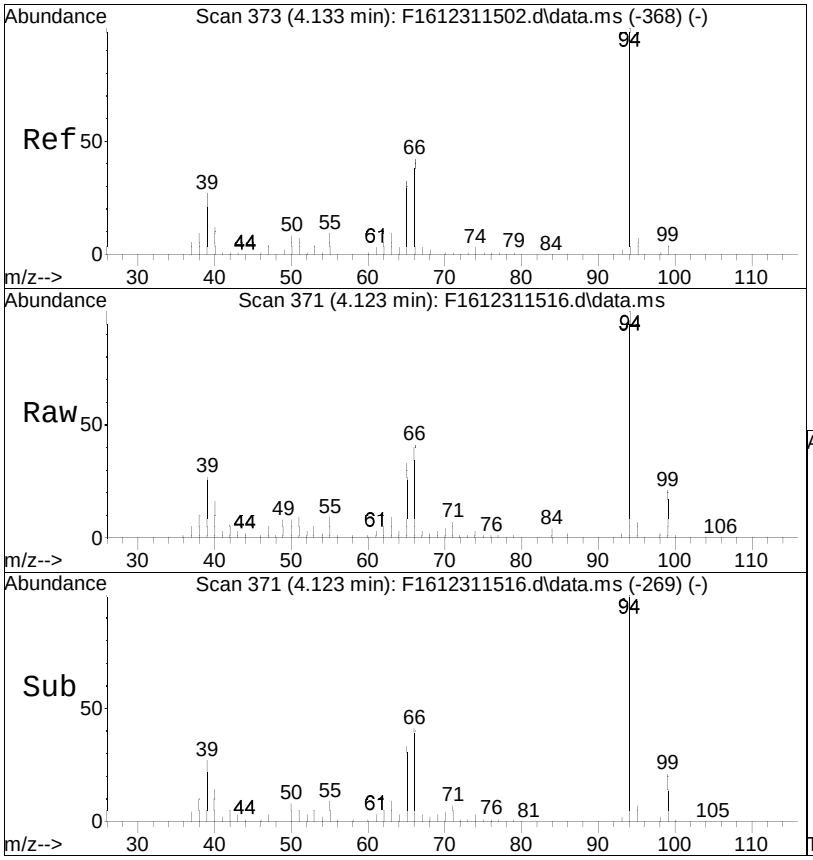


#7
bis(2-Chloroethyl)ether
Concen: 6.27 ug/mL
RT: 4.196 min Scan# 386
Delta R.T. -0.010 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion: 63 Resp: 306910

Ion	Ratio	Lower	Upper
63	100		
93	126.1	118.5	177.7
95	40.3	38.8	58.2

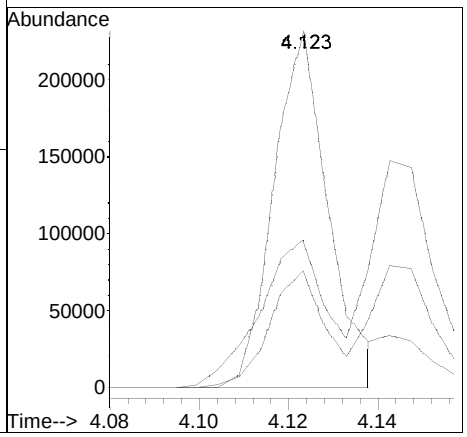


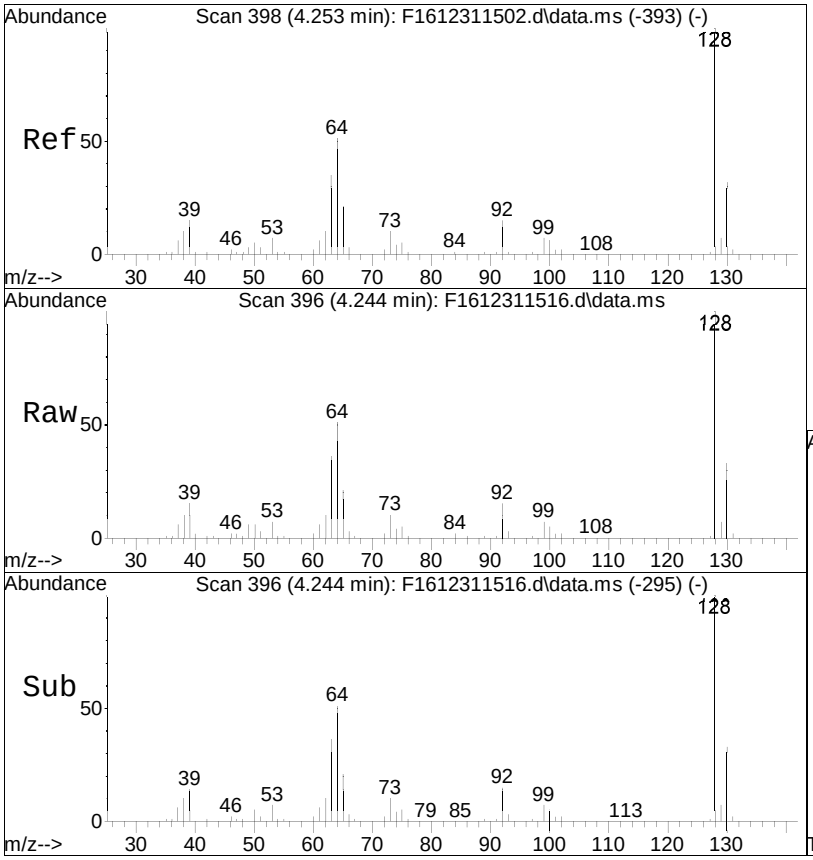


#9
Phenol
Concen: 2.43 ug/mL
RT: 4.123 min Scan# 371
Delta R.T. -0.010 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion: 94 Resp: 196874

Ion	Ratio	Lower	Upper
94	100		
66	51.7	27.5	41.3#
65	33.9	20.7	31.1#

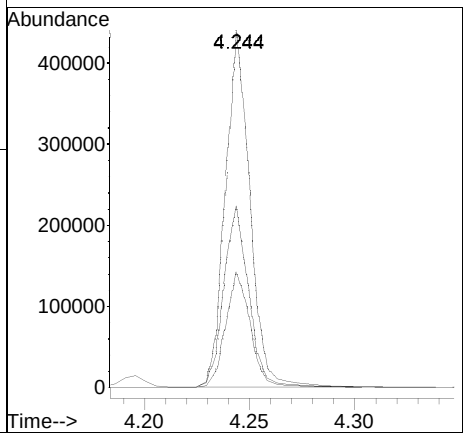


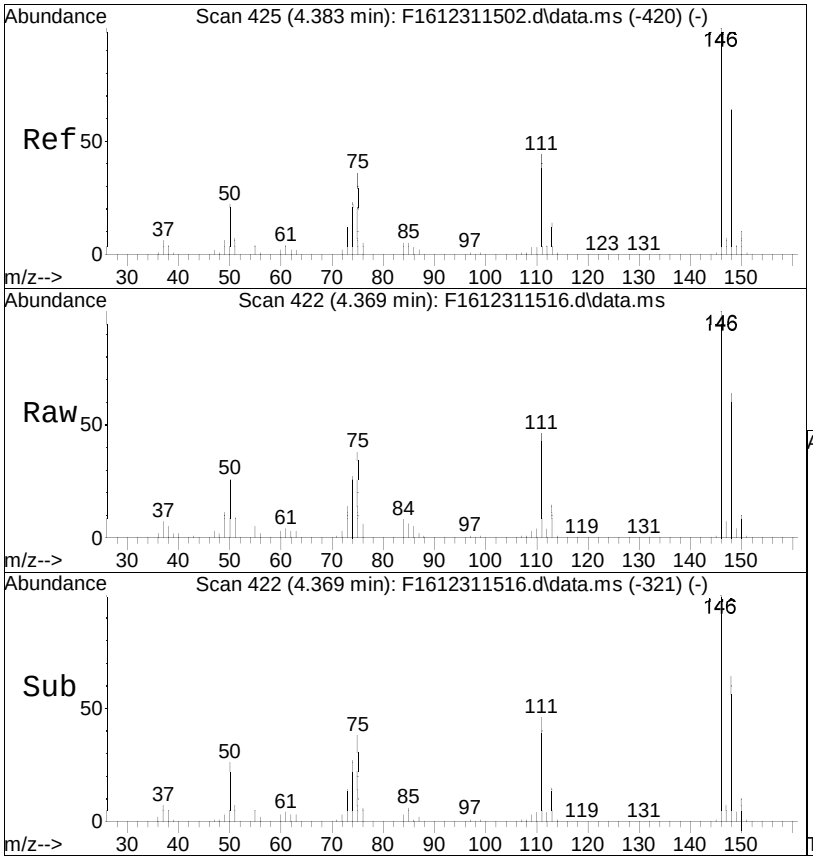


#10
2-Chlorophenol
Concen: 5.53 ug/mL
RT: 4.244 min Scan# 396
Delta R.T. -0.010 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:128 Resp: 353899

Ion	Ratio	Lower	Upper
128	100		
64	51.8	33.1	49.7#
130	32.8	25.7	38.5

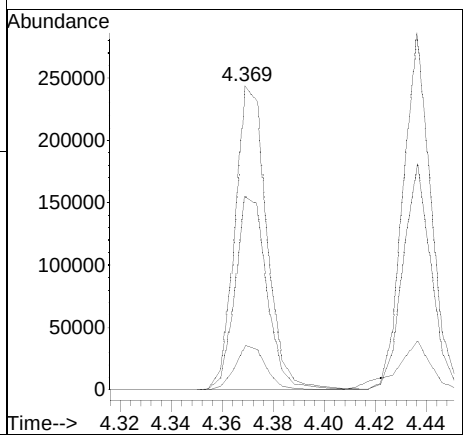


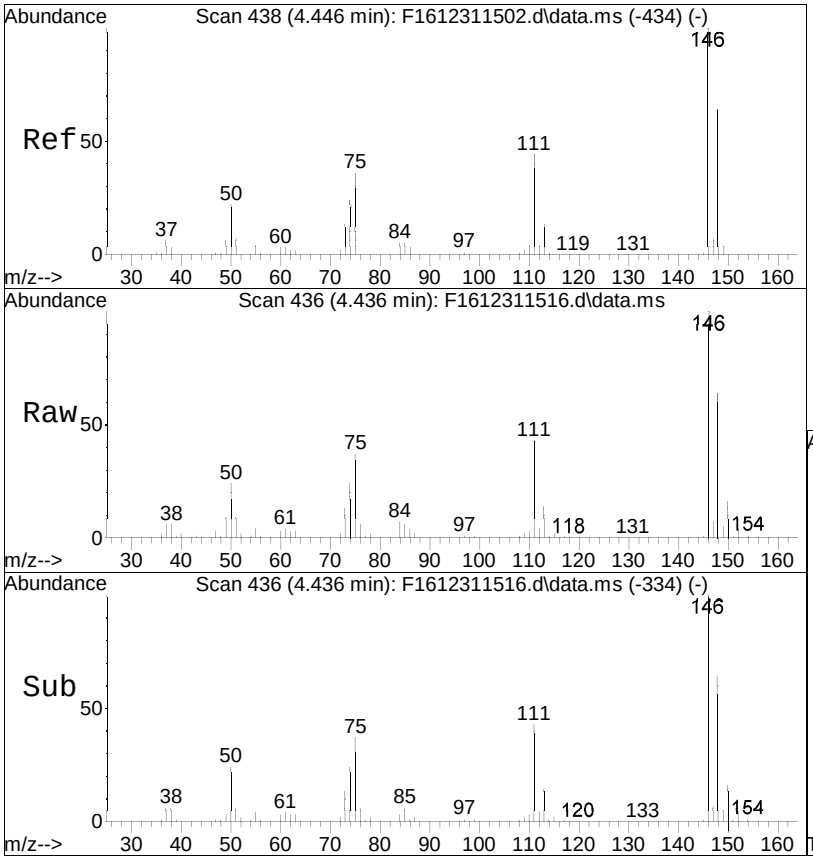


#11
1,3-Dichlorobenzene
Concen: 3.07 ug/mL
RT: 4.369 min Scan# 422
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:146 Resp: 211736

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.2	76.8
113	14.1	10.6	16.0

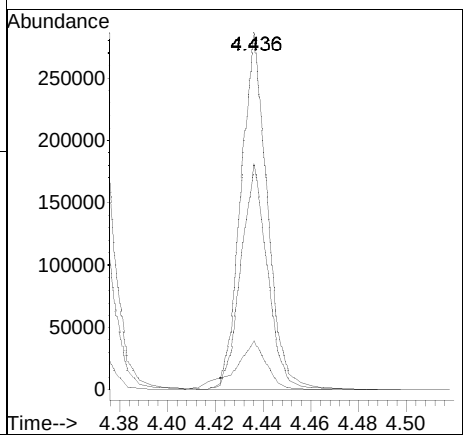


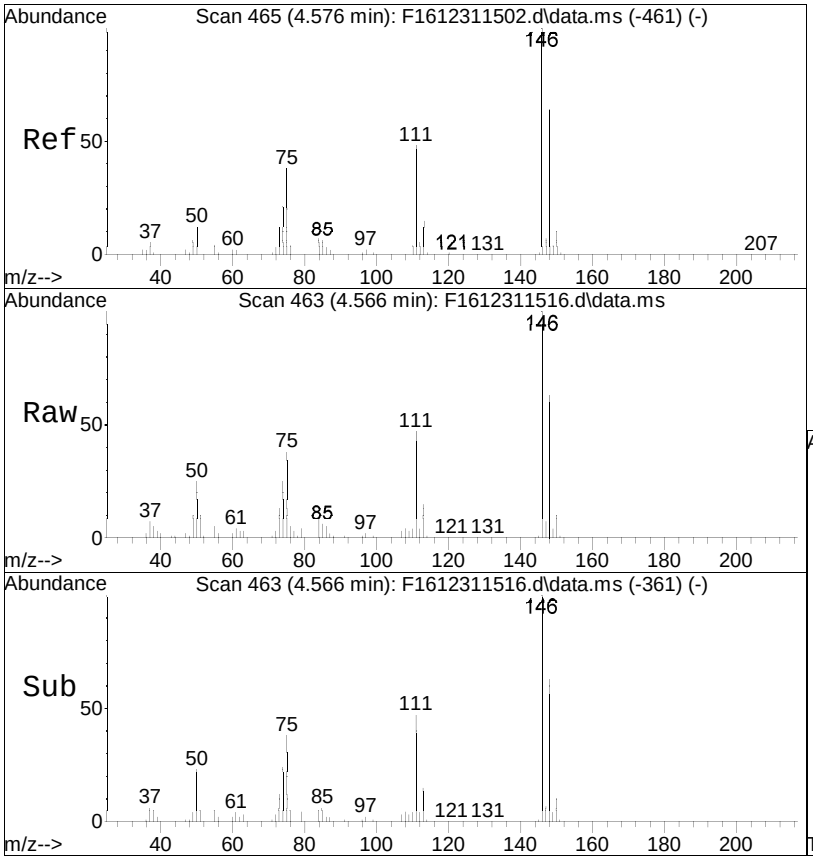


#12
1,4-Dichlorobenzene
Concen: 3.19 ug/mL M4
RT: 4.436 min Scan# 436
Delta R.T. -0.010 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:146 Resp: 221493

Ion	Ratio	Lower	Upper
146	100		
148	61.0	50.6	76.0
113	13.5	10.6	15.8

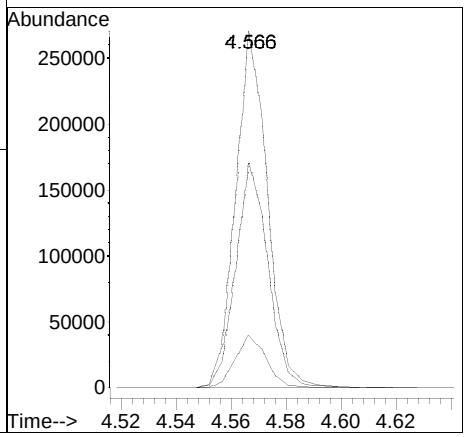


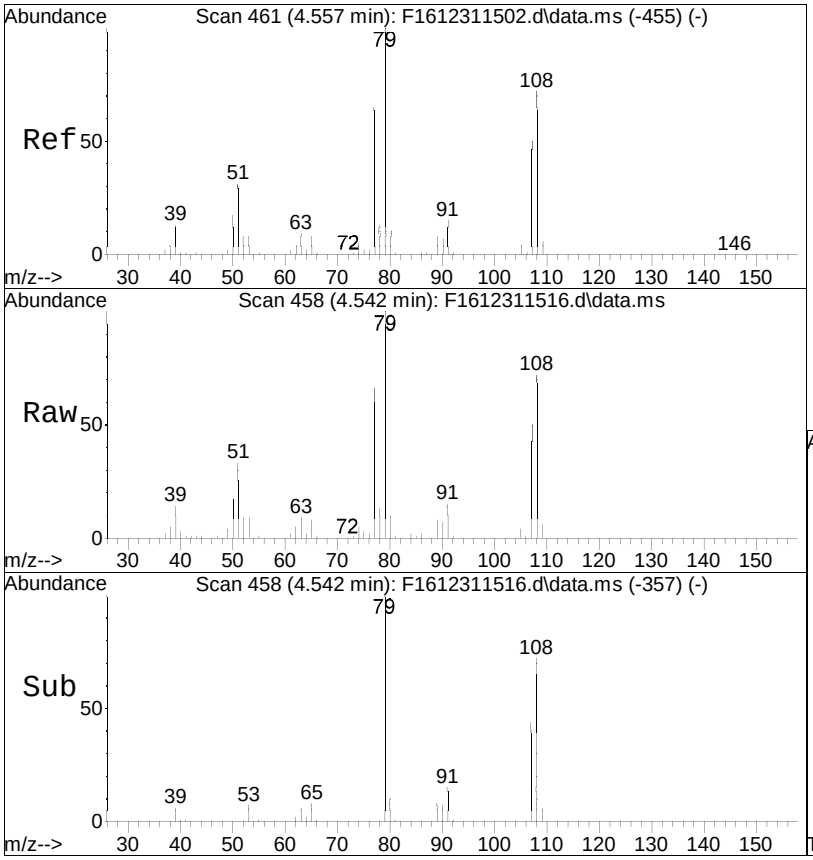


#13
1,2-Dichlorobenzene
Concen: 3.34 ug/mL
RT: 4.566 min Scan# 463
Delta R.T. -0.010 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:146 Resp: 217517

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.3	76.9
113	14.6	11.2	16.8

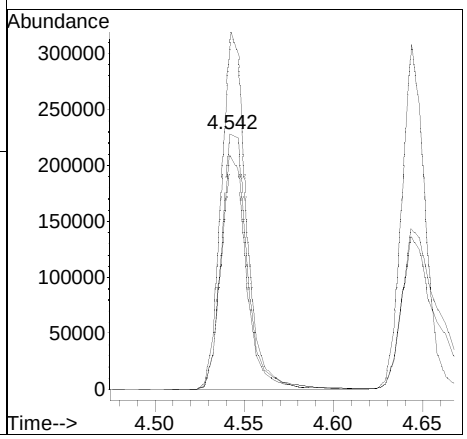


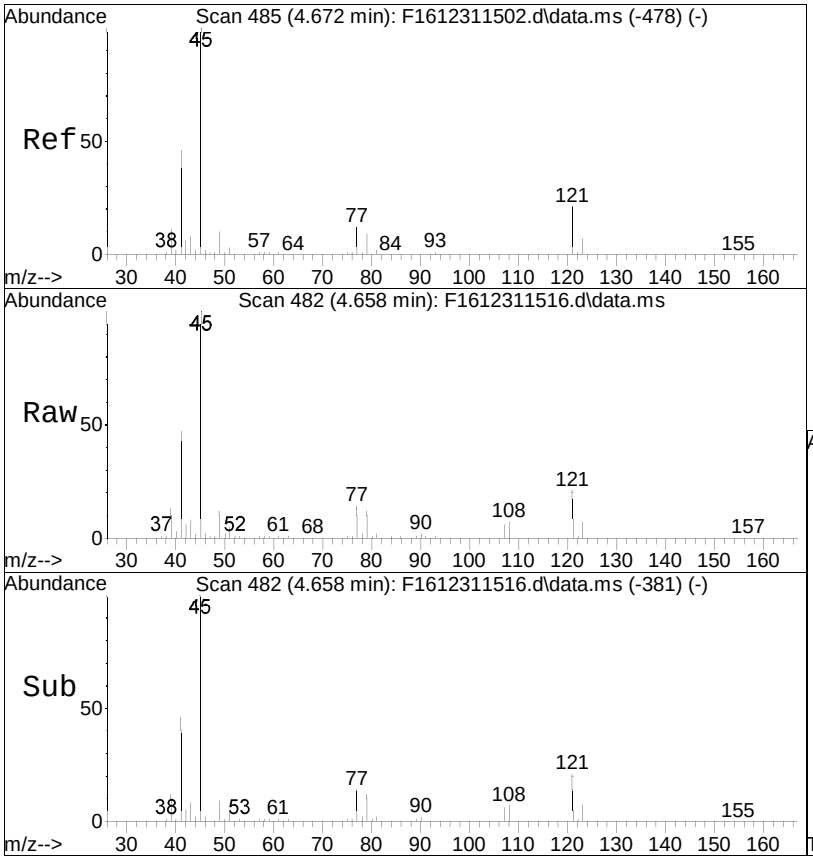


#14
Benzyl alcohol
Concen: 5.76 ug/mL
RT: 4.542 min Scan# 458
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:108 Resp: 233543

Ion	Ratio	Lower	Upper
108	100		
79	134.8	100.0	150.0
77	88.5	62.3	93.5

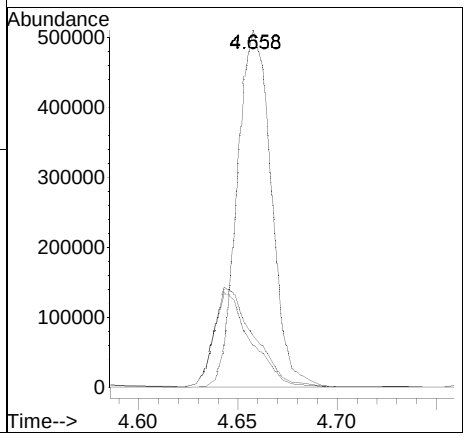


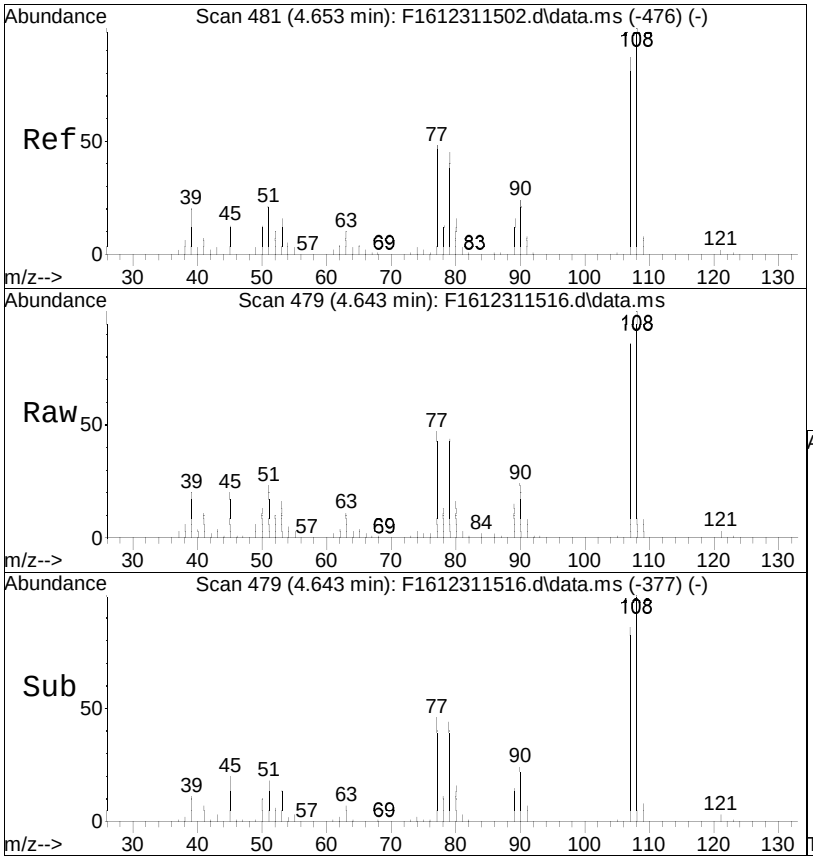


#15
bis(2-chloroisopropyl)ether
Concen: 6.40 ug/mL
RT: 4.658 min Scan# 482
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion: 45 Resp: 604792

Ion	Ratio	Lower	Upper
45	100		
77	32.7	11.8	17.6#
79	29.2	9.4	14.0#

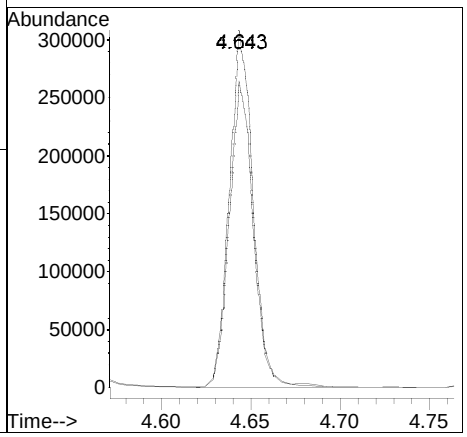


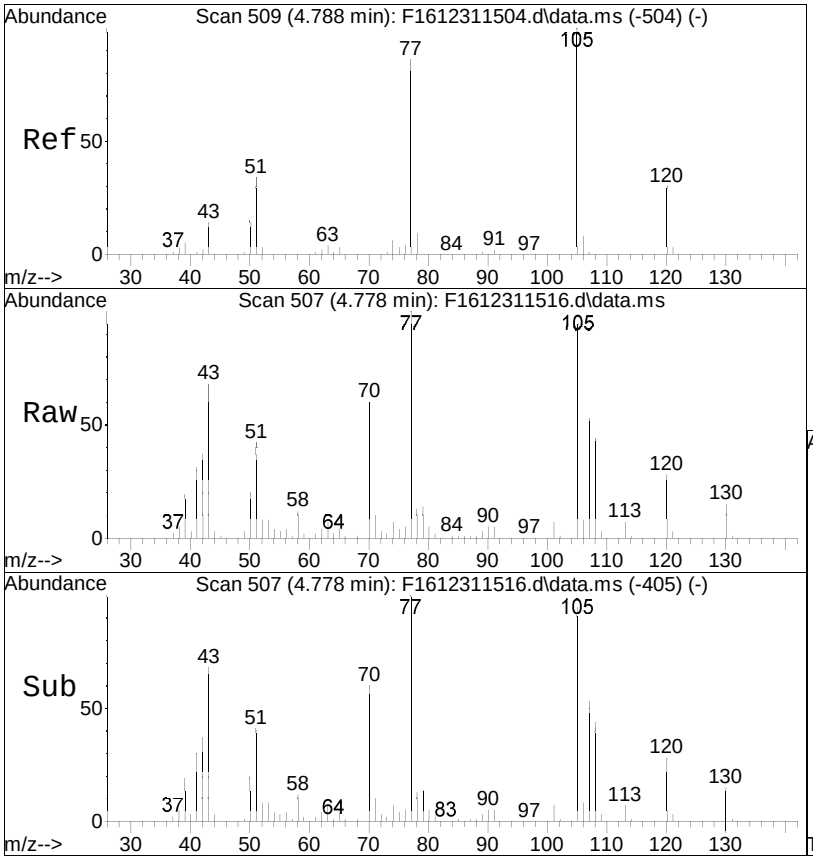


#16
2-Methylphenol
Concen: 4.98 ug/mL
RT: 4.643 min Scan# 479
Delta R.T. -0.010 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:108 Resp: 280018

Ion	Ratio	Lower	Upper
108	100		
107	85.4	68.4	102.6

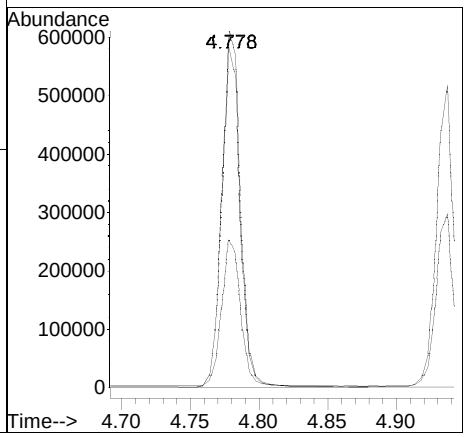


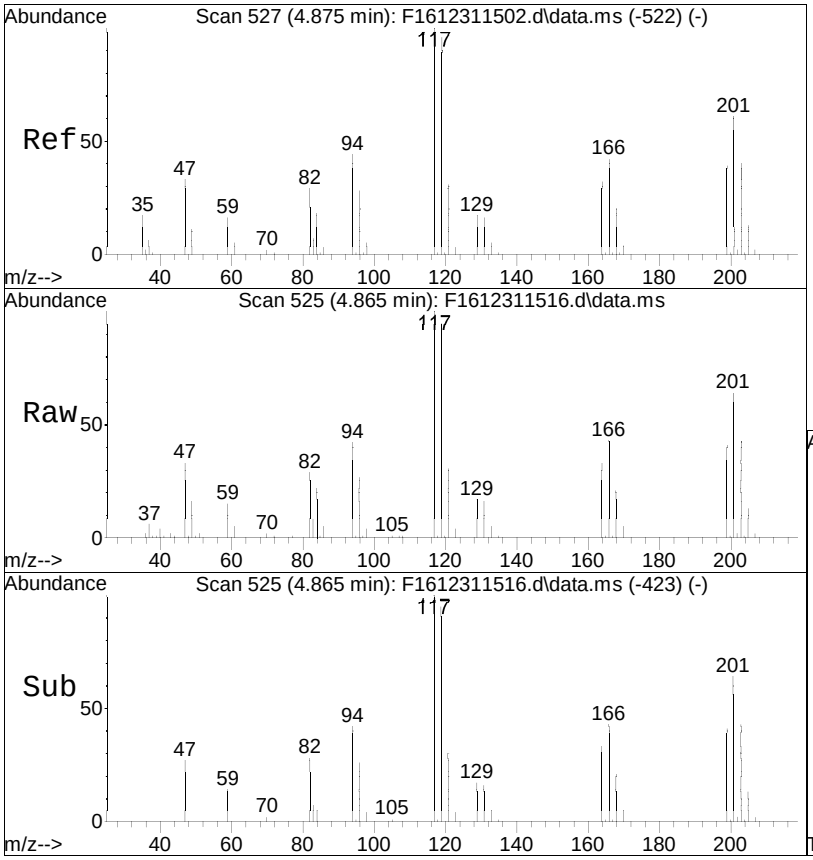


#17
Acetophenone
Concen: 7.44 ug/ml
RT: 4.778 min Scan# 507
Delta R.T. -0.010 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:105 Resp: 544113

Ion	Ratio	Lower	Upper
105	100		
77	105.7	68.6	103.0#
51	44.1	29.0	43.4#

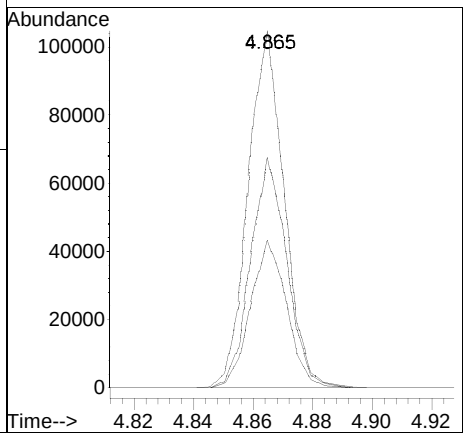


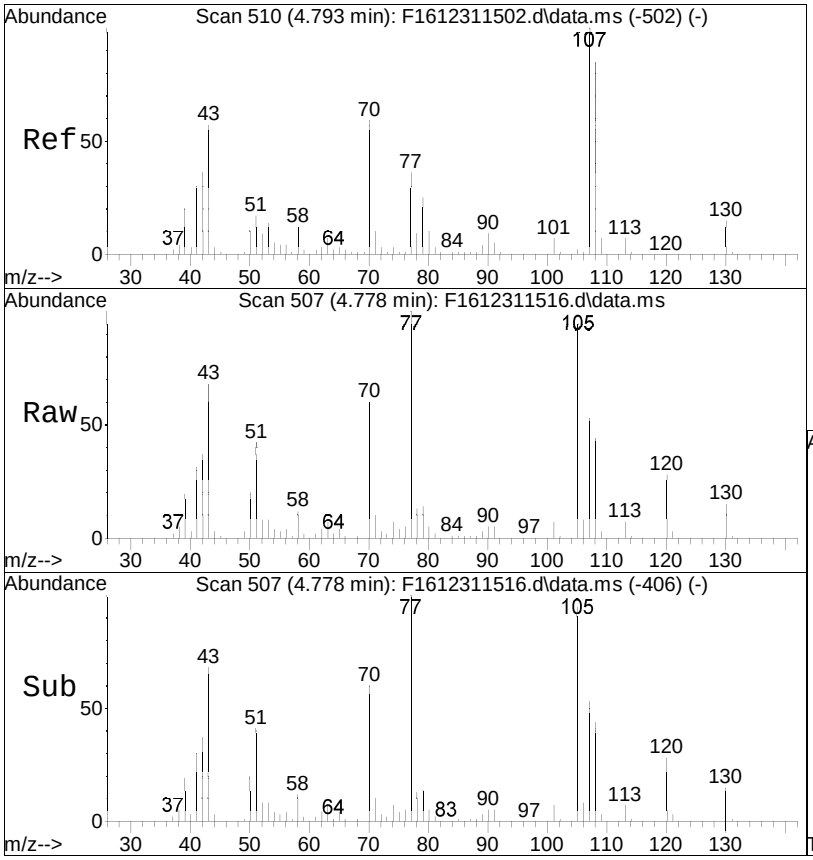


#18
Hexachloroethane
Concen: 3.01 ug/mL
RT: 4.865 min Scan# 525
Delta R.T. -0.010 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:117 Resp: 87533

Ion	Ratio	Lower	Upper
117	100		
201	64.7	67.9	101.9#
199	41.6	42.2	63.4#

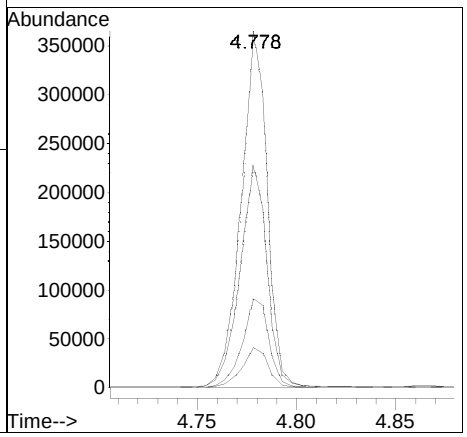


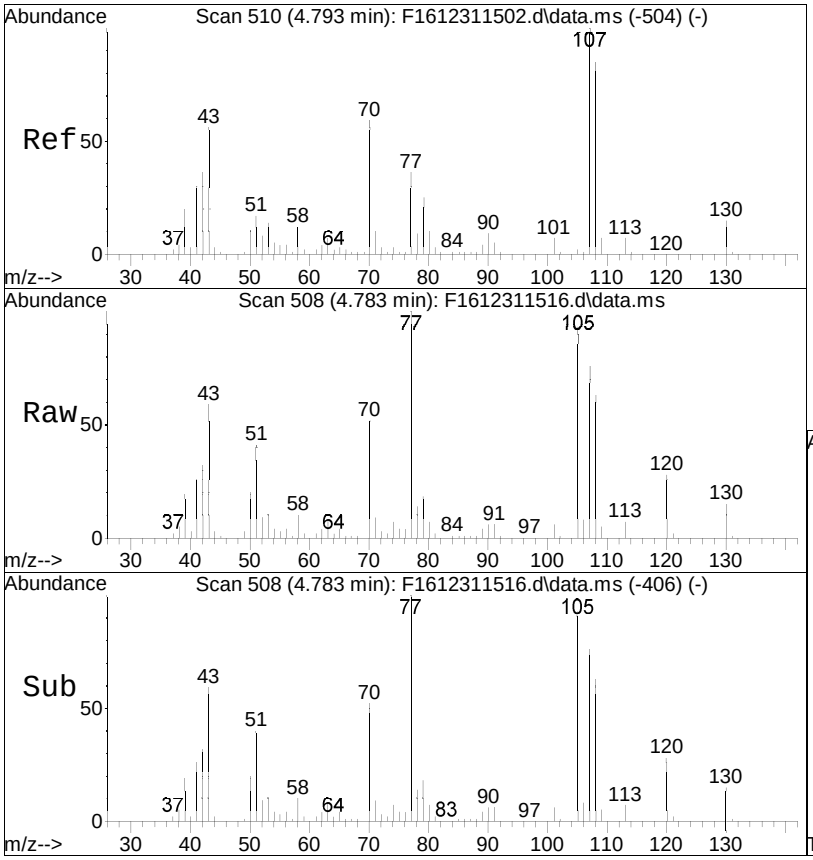


#19
N-Nitroso-di-n-propylamine
Concen: 6.85 ug/mL
RT: 4.778 min Scan# 507
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion: 70 Resp: 332859

Ion	Ratio	Lower	Upper
70	100		
42	64.3	39.6	59.4#
130	25.5	23.7	35.5
101	11.3	9.5	14.3

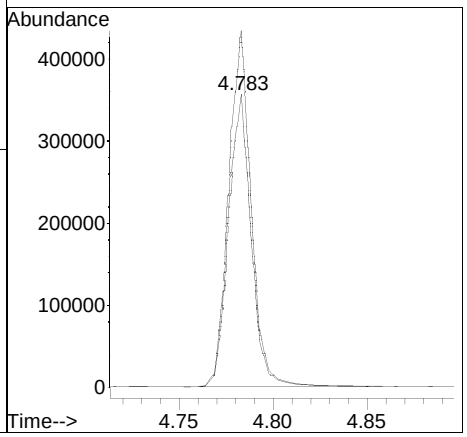


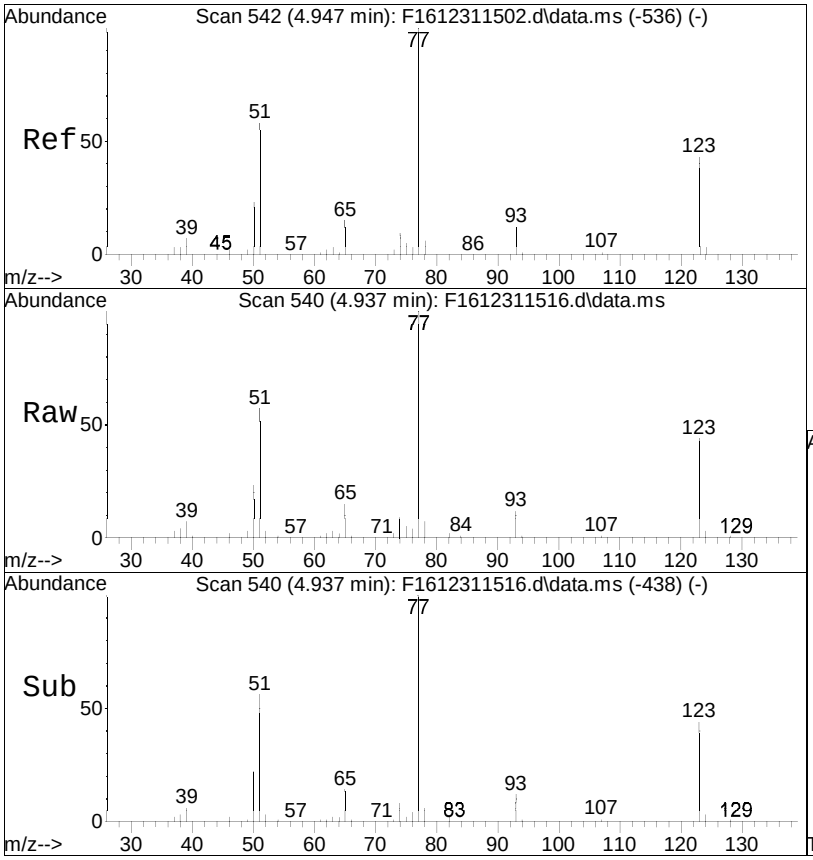


#20
4-Methylphenol
Concen: 4.85 ug/mL
RT: 4.783 min Scan# 508
Delta R.T. -0.010 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:108 Resp: 296771

Ion	Ratio	Lower	Upper
108	100		
107	120.6	95.8	143.8

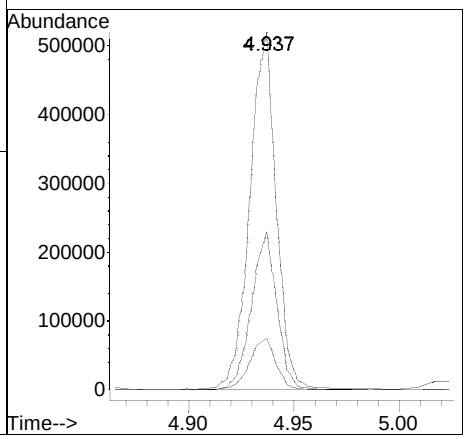


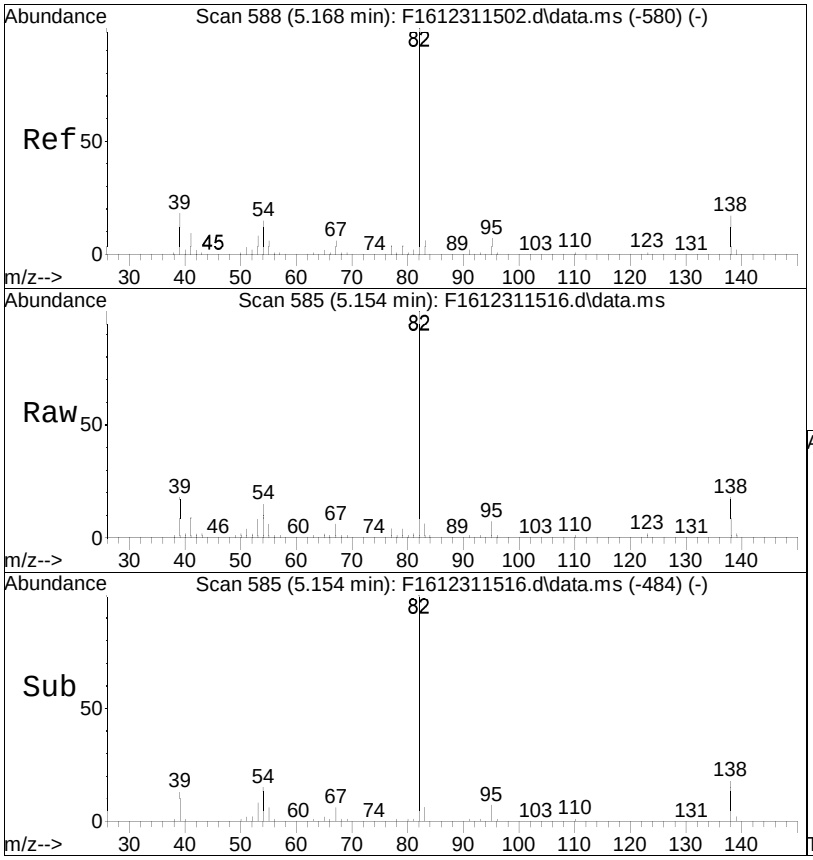


#23
Nitrobenzene
Concen: 6.37 ug/mL
RT: 4.937 min Scan# 540
Delta R.T. -0.010 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion: 77 Resp: 446087

Ion	Ratio	Lower	Upper
77	100		
123	43.1	38.3	57.5
65	14.5	10.6	15.8

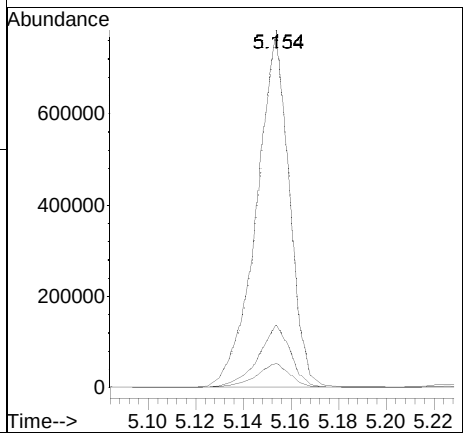


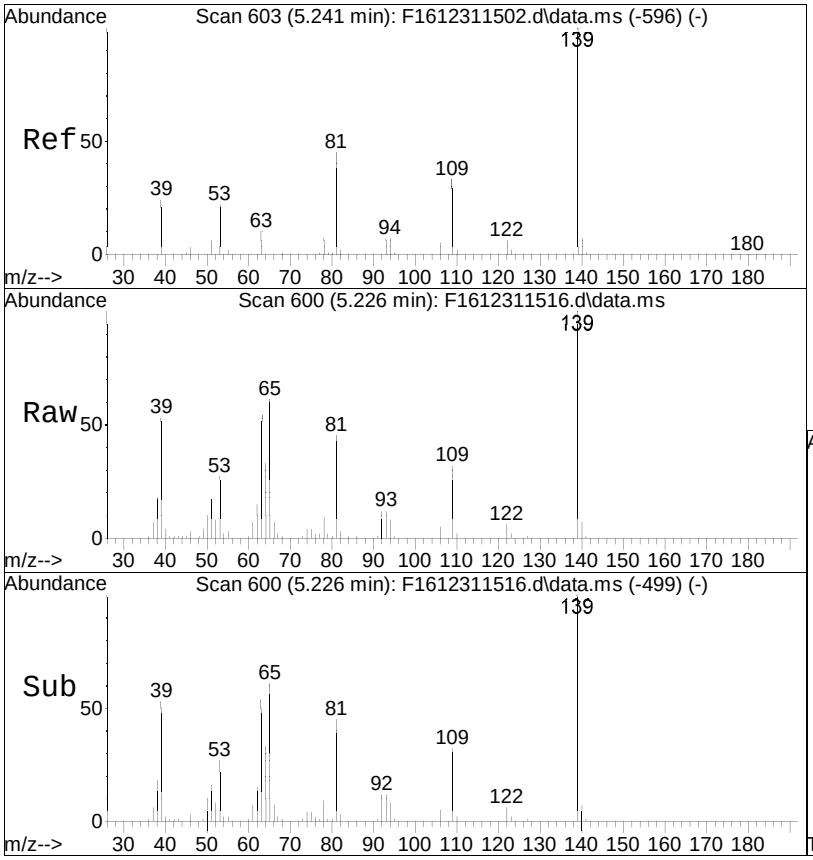


#24
Isophorone
Concen: 7.11 ug/mL
RT: 5.154 min Scan# 585
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion: 82 Resp: 738909

Ion	Ratio	Lower	Upper
82	100		
138	17.6	15.7	23.5
95	7.0	5.6	8.4

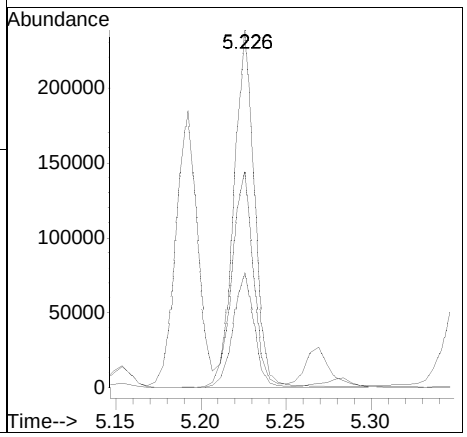


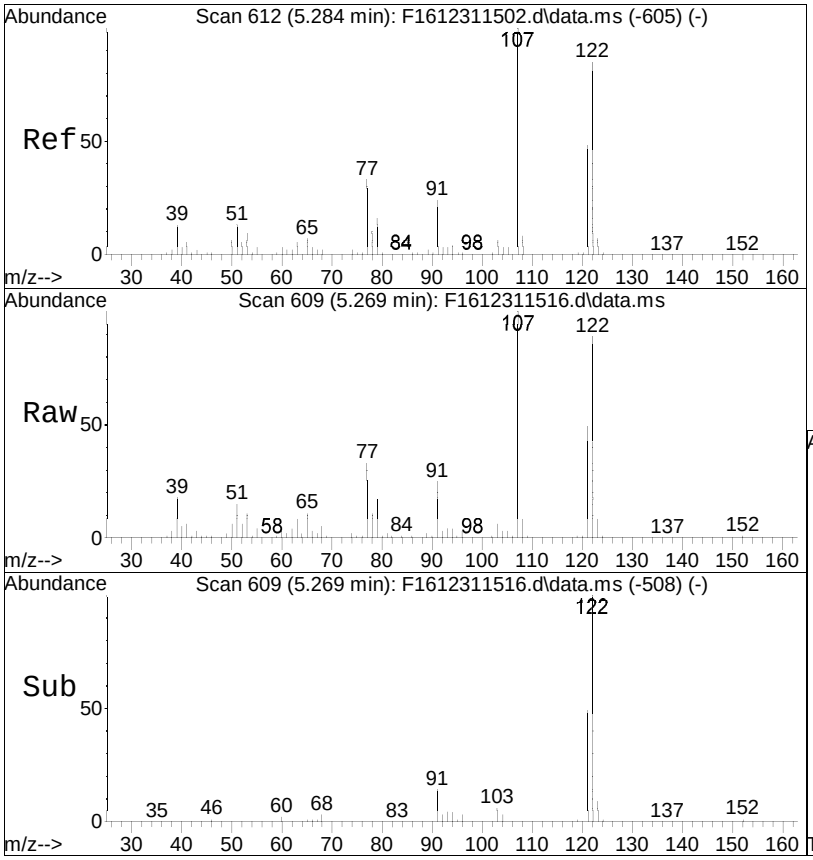


#25
2-Nitrophenol
Concen: 6.22 ug/mL
RT: 5.226 min Scan# 600
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:139 Resp: 202338

Ion	Ratio	Lower	Upper
139	100		
65	59.7	37.4	56.2#
109	32.6	22.3	33.5

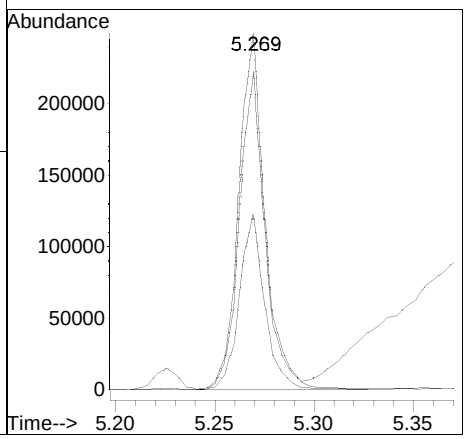


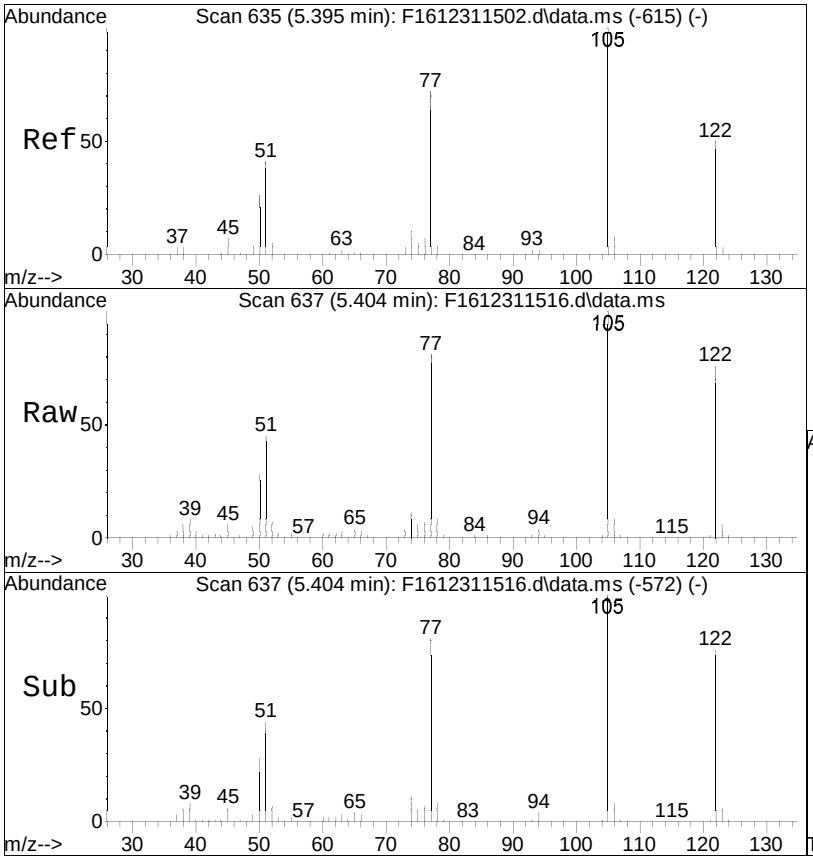


#26
2,4-Dimethylphenol
Concen: 4.59 ug/mL
RT: 5.269 min Scan# 609
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:107 Resp: 228825

Ion	Ratio	Lower	Upper
107	100		
122	86.2	71.4	107.0
121	48.0	40.1	60.1

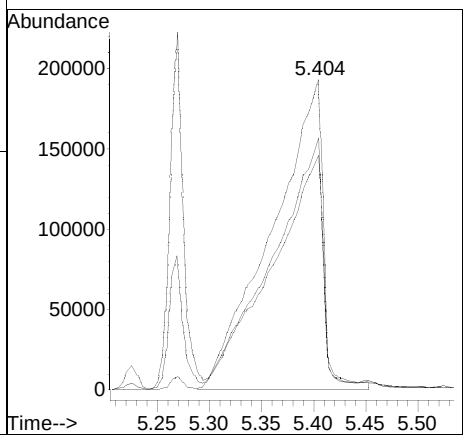


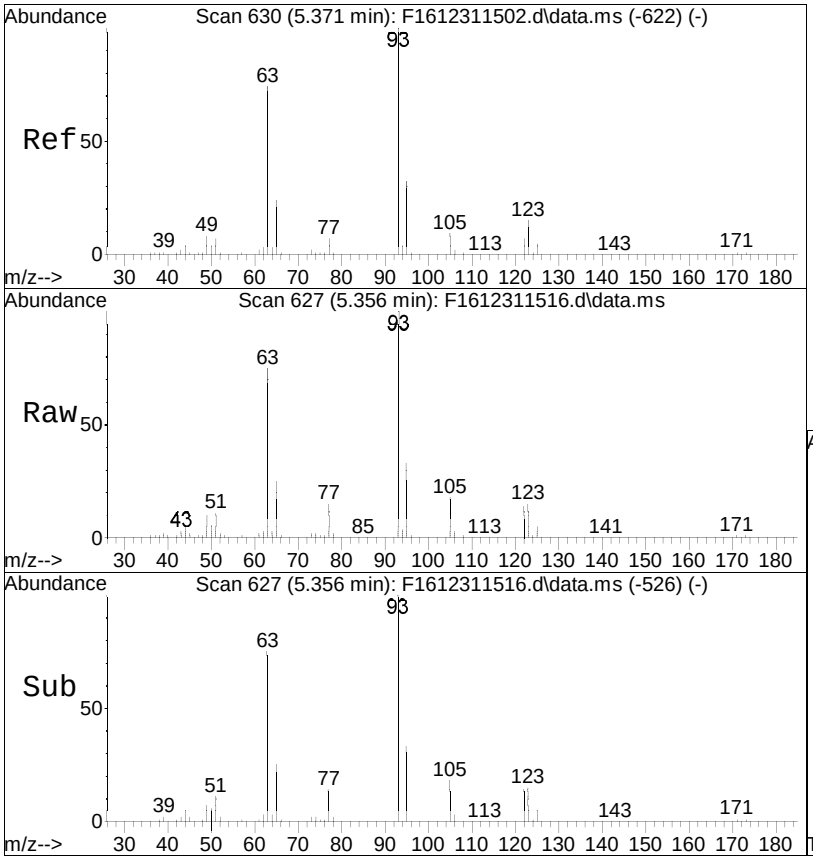


#27
Benzoic acid
Concen: 14.85 ug/mL M4
RT: 5.404 min Scan# 637
Delta R.T. 0.010 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:105 Resp: 655630

Ion	Ratio	Lower	Upper
105	100		
122	70.4	62.7	94.1
77	76.9	56.9	85.3

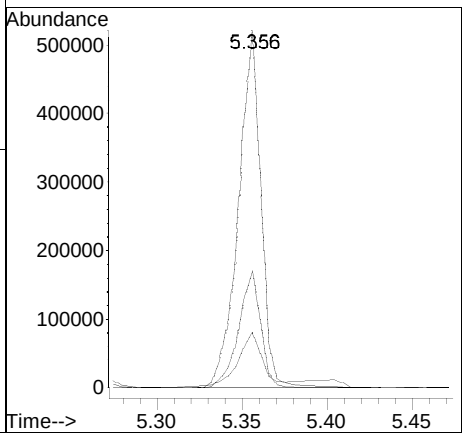


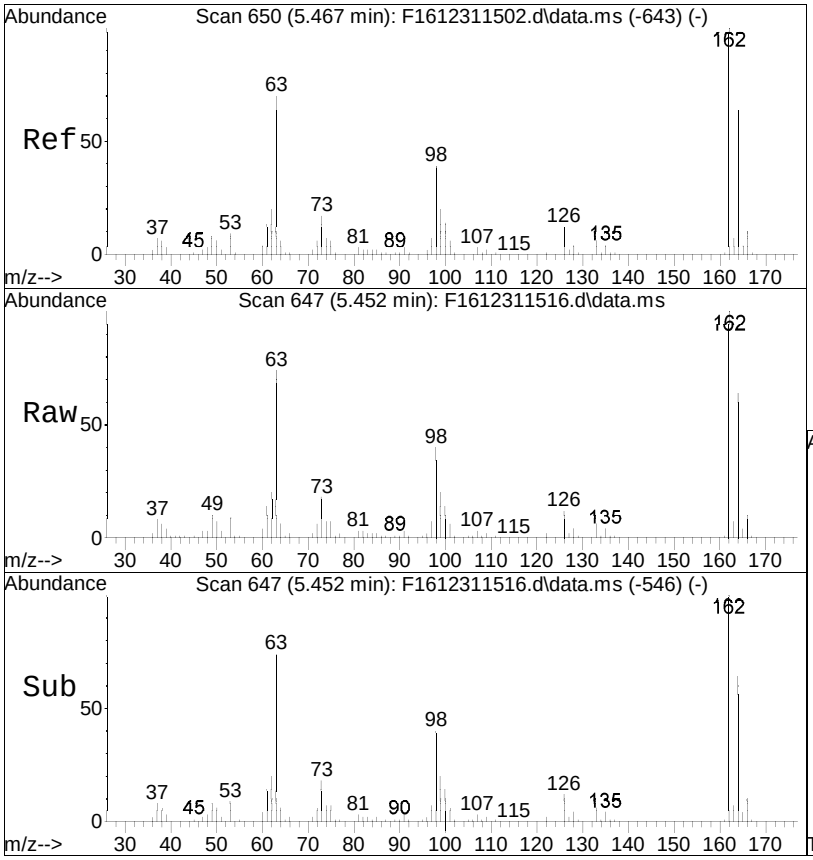


#28
bis(2-Chloroethoxy)methane
Concen: 6.79 ug/mL
RT: 5.356 min Scan# 627
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion: 93 Resp: 473125

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.9	38.9
123	18.0	13.1	19.7

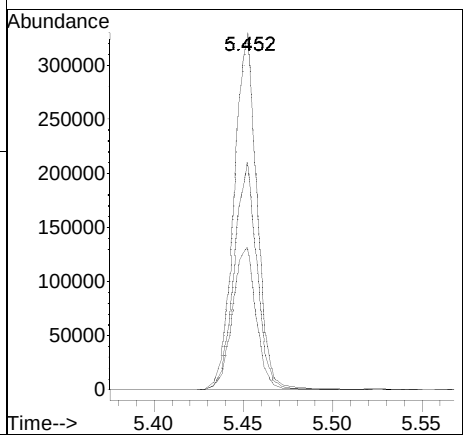


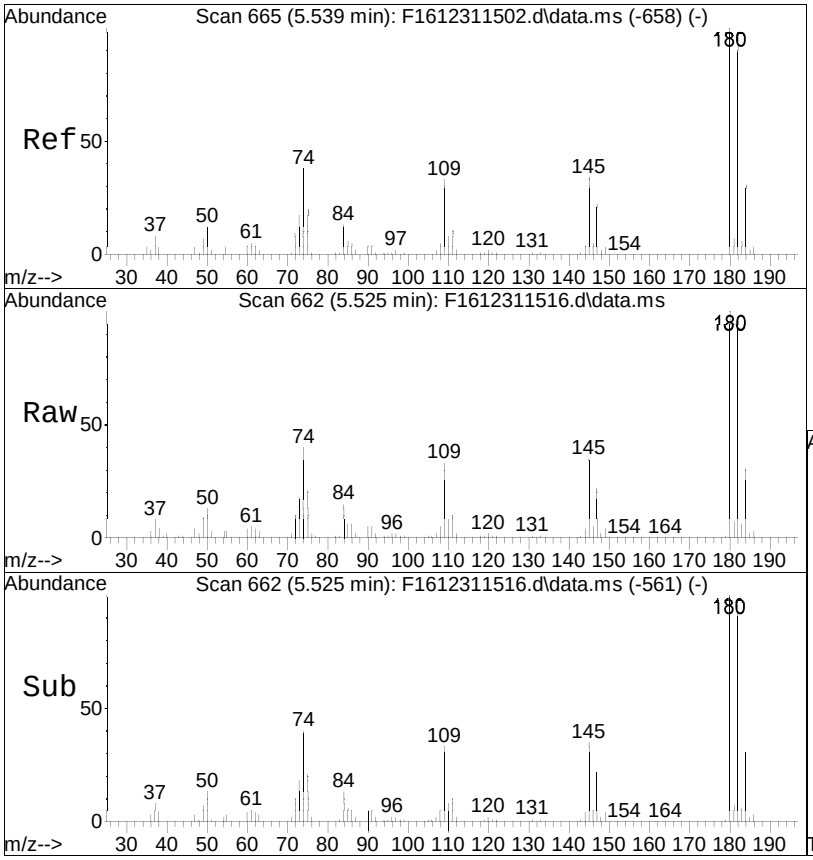


#29
2,4-Dichlorophenol
Concen: 6.44 ug/mL
RT: 5.452 min Scan# 647
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:162 Resp: 292807

Ion	Ratio	Lower	Upper
162	100		
164	63.2	51.2	76.8
98	41.3	27.8	41.8

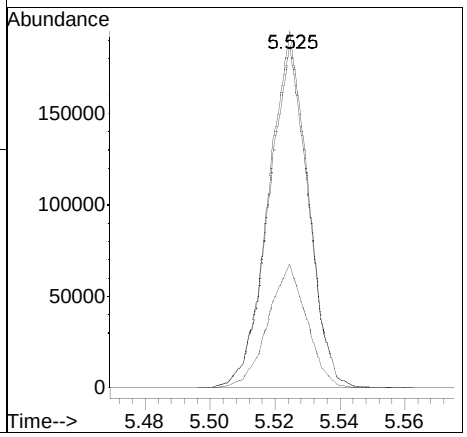


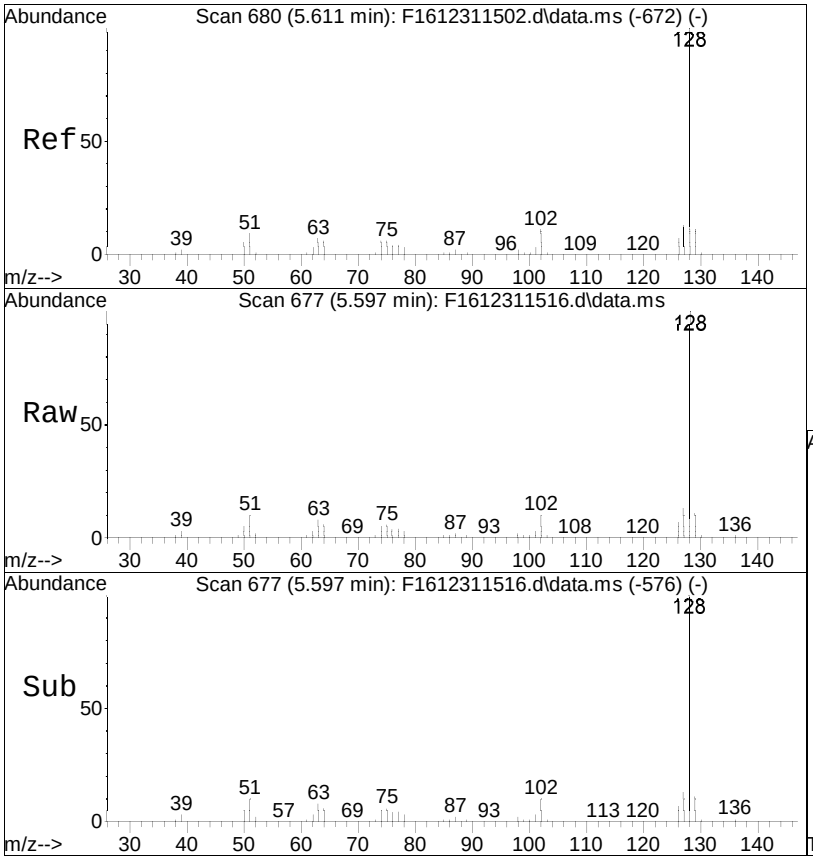


#30
1,2,4-Trichlorobenzene
Concen: 3.37 ug/mL
RT: 5.525 min Scan# 662
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:180 Resp: 163344

Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.6	113.4
145	34.2	24.6	37.0

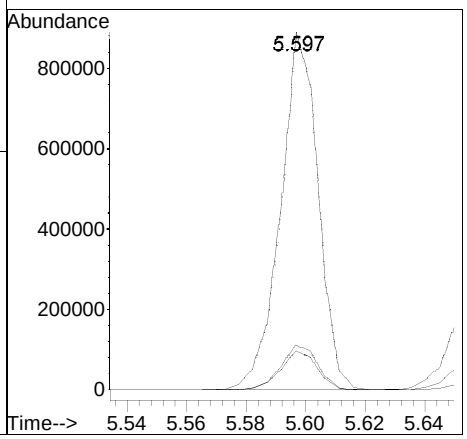


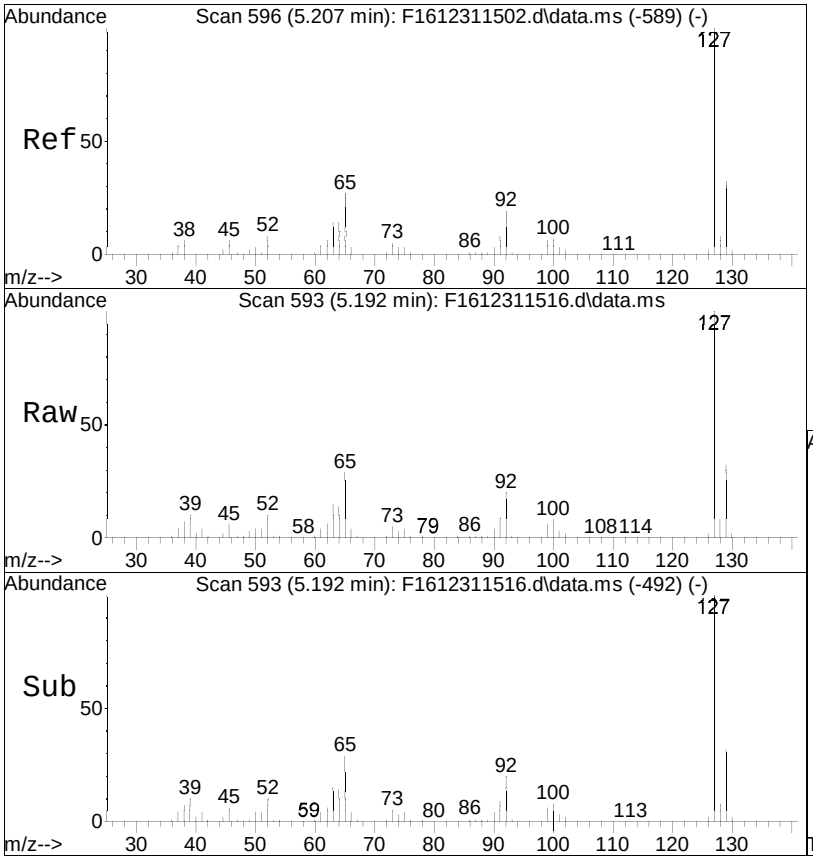


#31
Naphthalene
Concen: 4.33 ug/mL
RT: 5.597 min Scan# 677
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:128 Resp: 773171

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.7	10.2	15.4

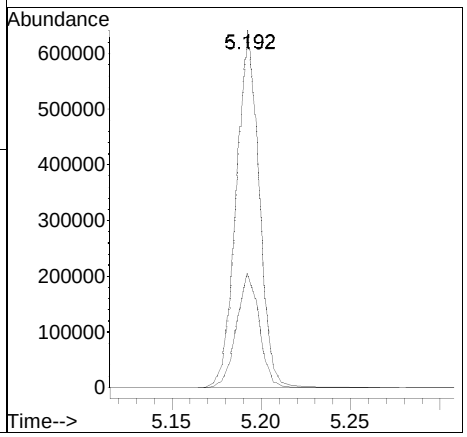


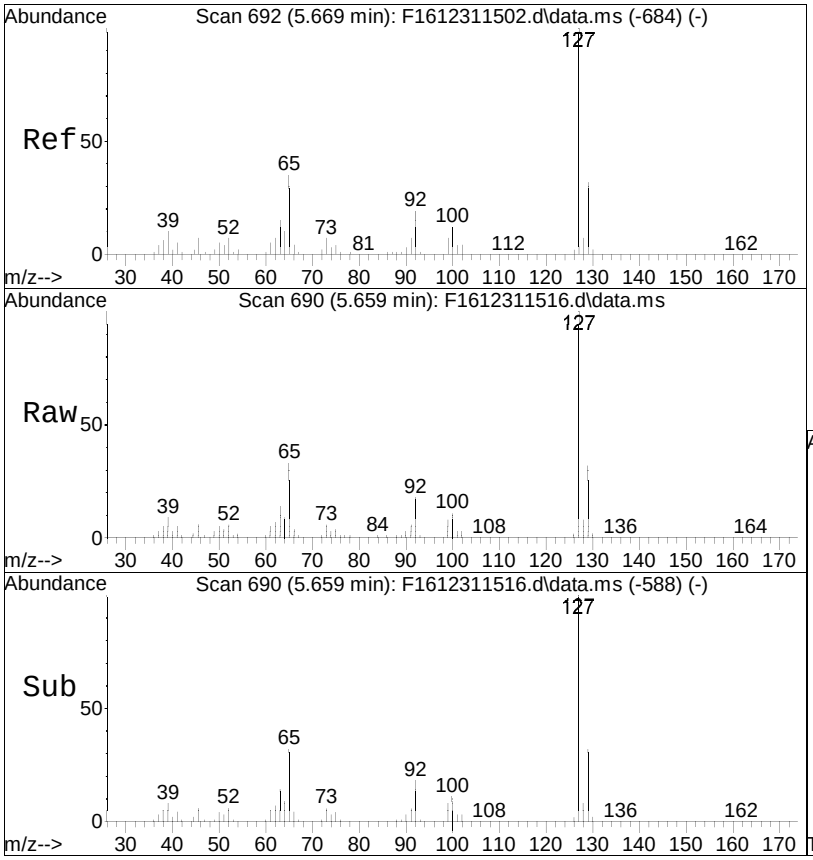


#32
2-Chloroaniline
Concen: 6.15 ug/ml
RT: 5.192 min Scan# 593
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:127 Resp: 567121

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.8	38.6

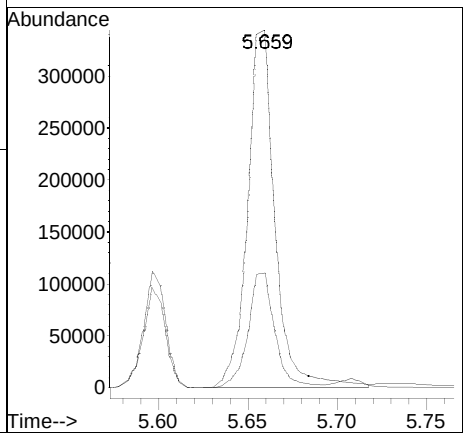


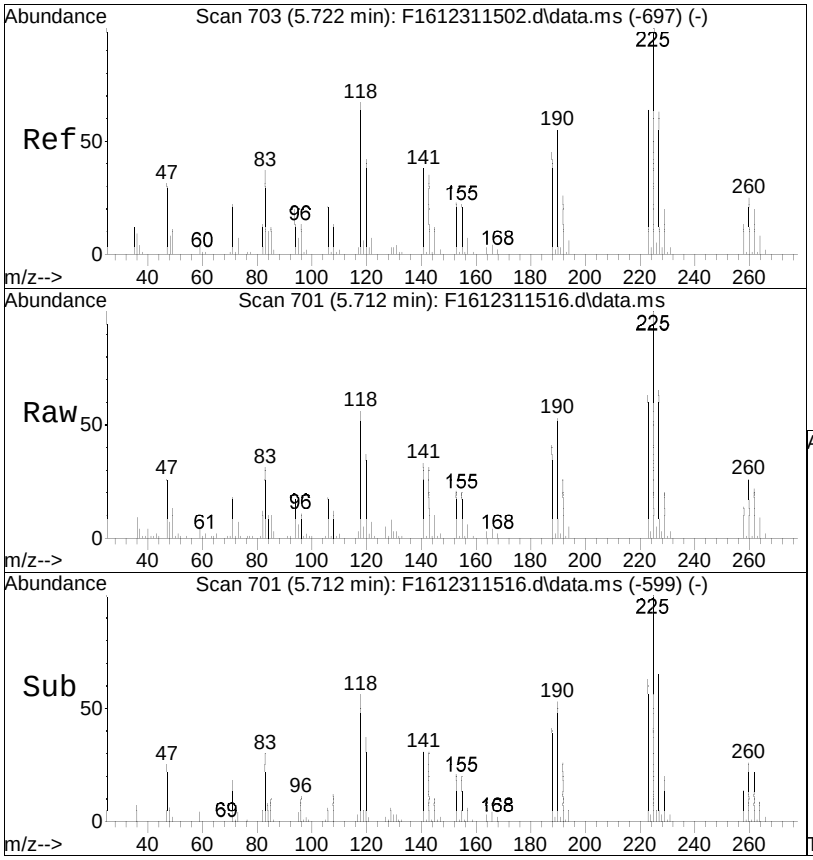


#33
4-Chloroaniline
Concen: 5.05 ug/mL
RT: 5.659 min Scan# 690
Delta R.T. -0.010 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:127 Resp: 365017

Ion	Ratio	Lower	Upper
127	100		
129	31.8	275.7	413.5#

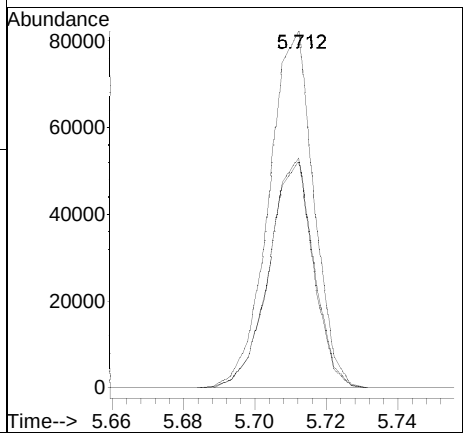


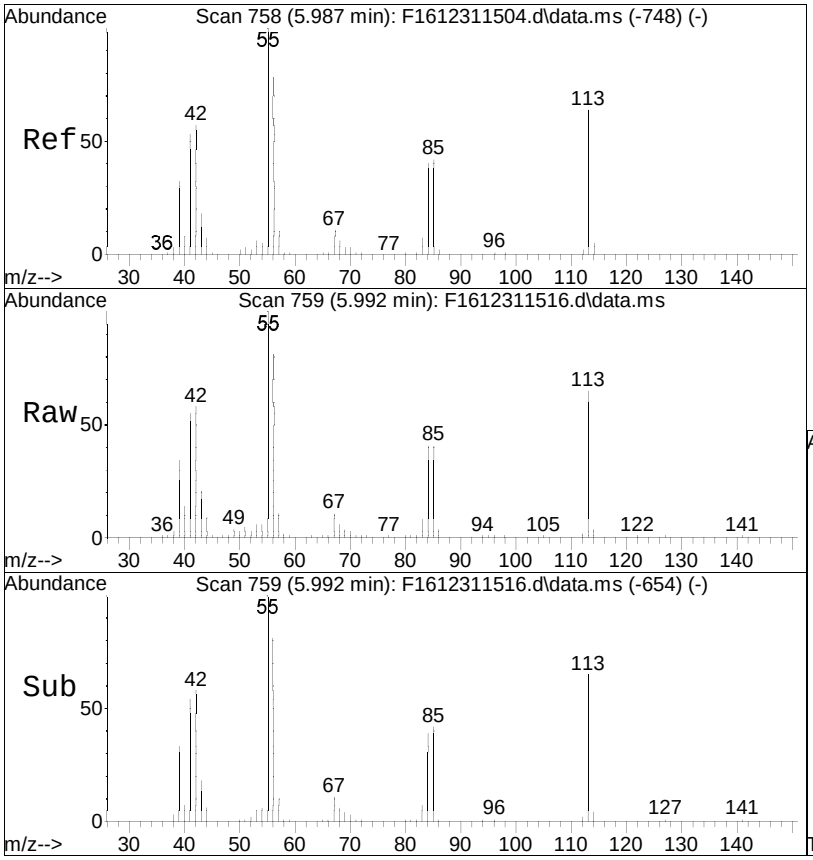


#34
Hexachlorobutadiene
Concen: 2.95 ug/mL
RT: 5.712 min Scan# 701
Delta R.T. -0.010 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:225 Resp: 71961

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.1	75.1
227	63.9	50.6	75.8

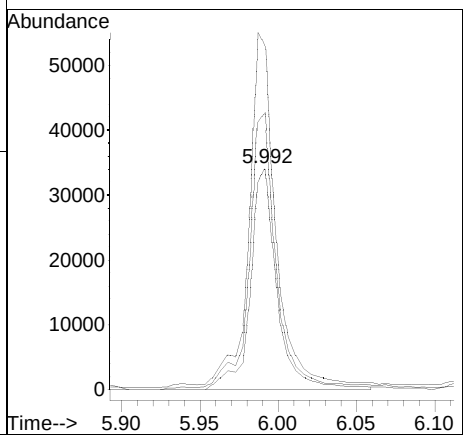


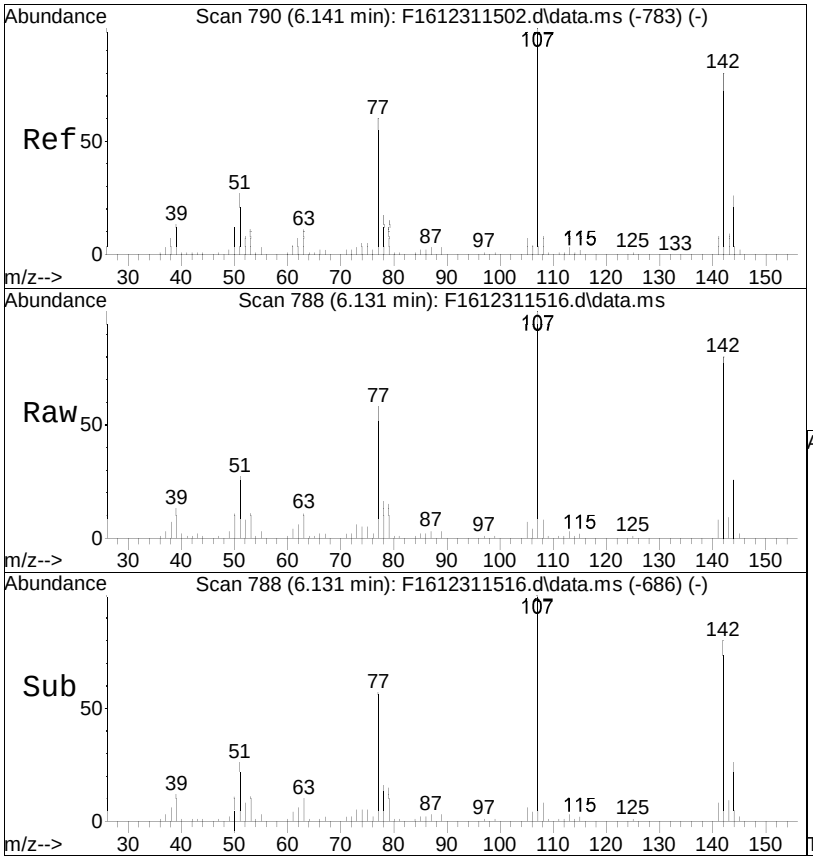


#35
Caprolactam
Concen: 2.50 ug/ml M4
RT: 5.992 min Scan# 759
Delta R.T. 0.005 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:113 Resp: 40769

Ion	Ratio	Lower	Upper
113	100		
55	157.7	125.3	187.9
56	121.7	96.2	144.2

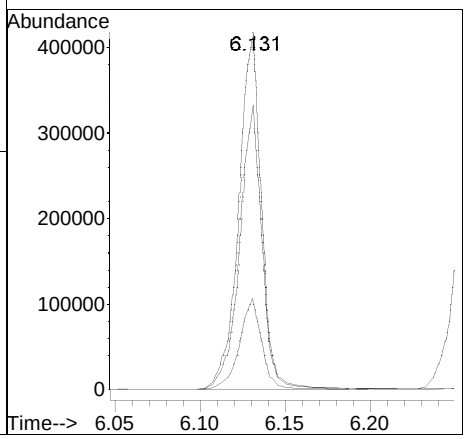


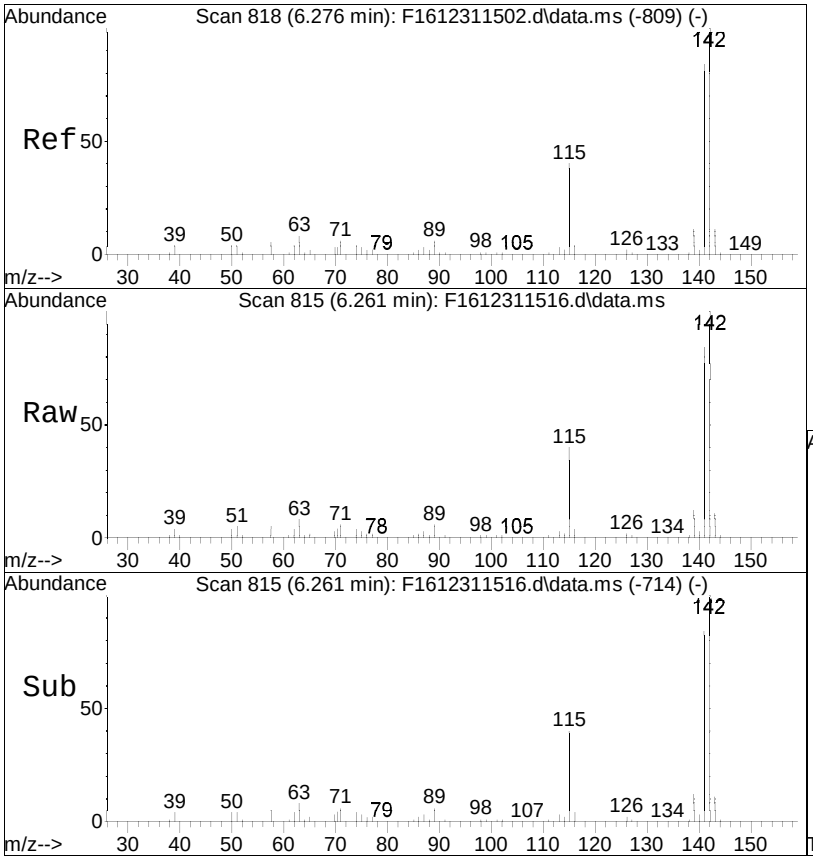


#36
4-Chloro-3-methylphenol
Concen: 7.28 ug/mL
RT: 6.131 min Scan# 788
Delta R.T. -0.010 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:107 Resp: 385782

Ion	Ratio	Lower	Upper
107	100		
144	25.2	20.7	31.1
142	78.5	65.4	98.0

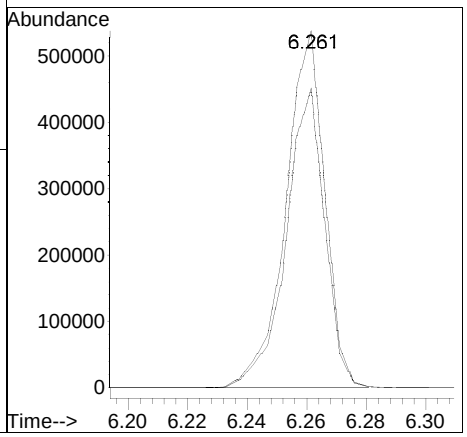


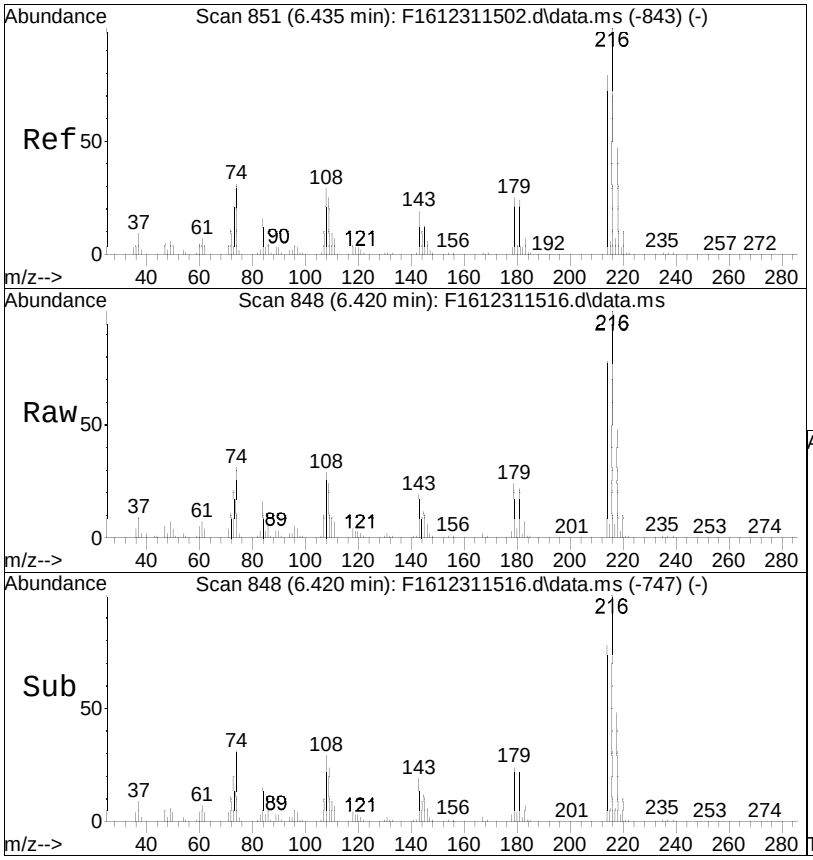


#37
2-Methylnaphthalene
Concen: 4.21 ug/mL
RT: 6.261 min Scan# 815
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:142 Resp: 487278

Ion	Ratio	Lower	Upper
142	100		
141	83.5	67.1	100.7

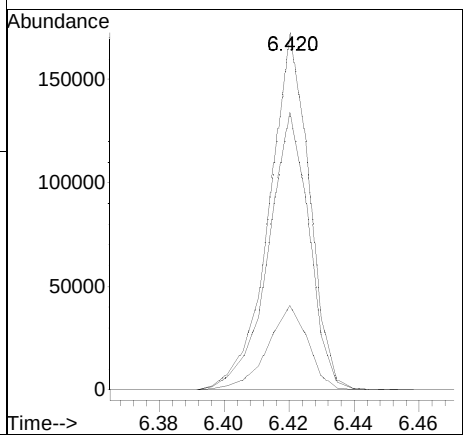


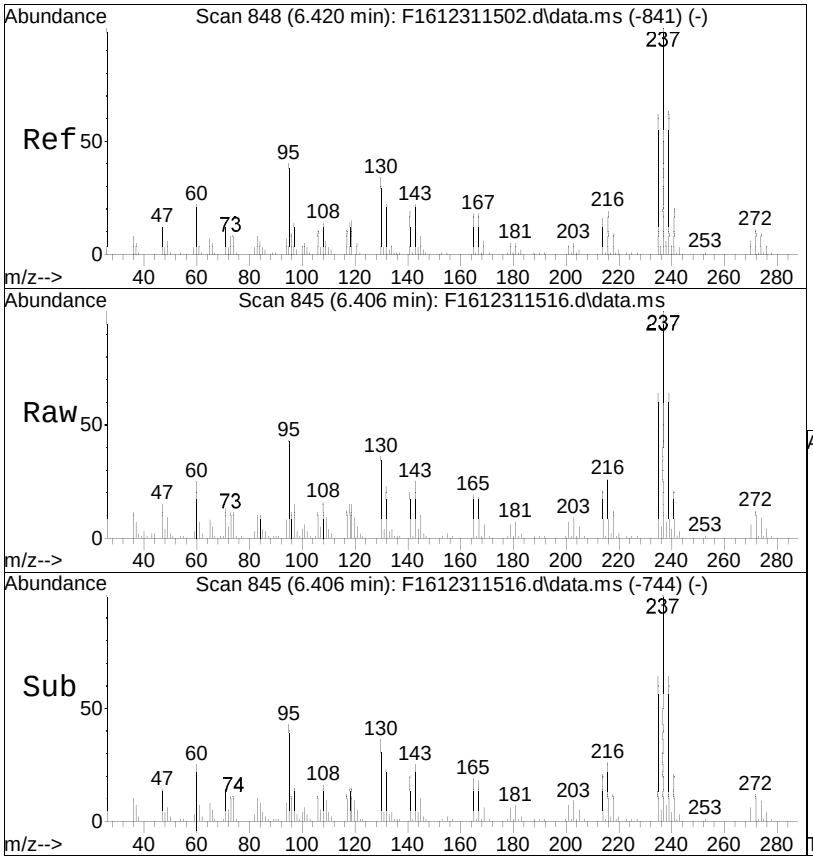


#39
1,2,4,5-Tetrachlorobenzene
Concen: 3.58 ug/mL
RT: 6.420 min Scan# 848
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:216 Resp: 148705

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.4	95.2
179	23.8	18.0	27.0

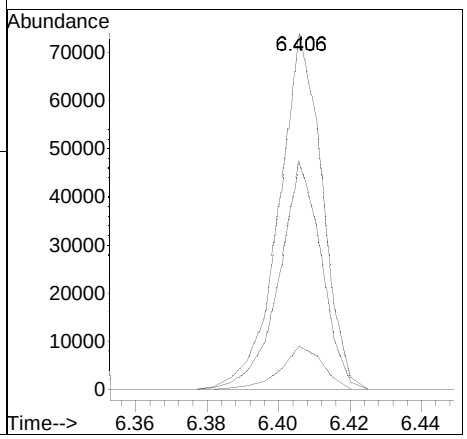


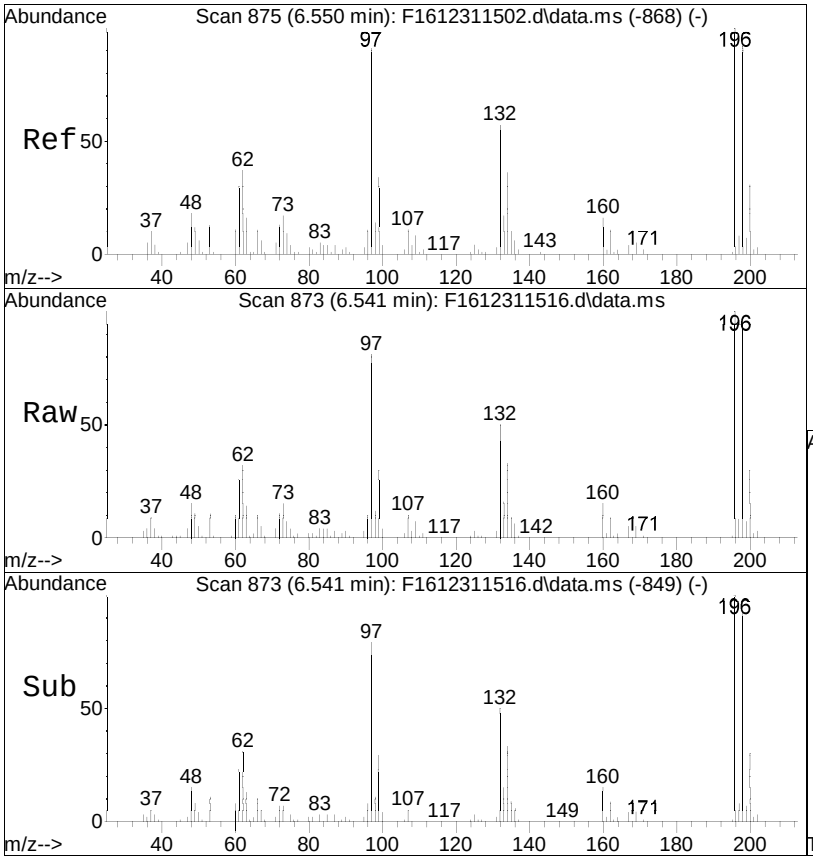


#40
Hexachlorocyclopentadiene
Concen: 3.61 ug/mL
RT: 6.406 min Scan# 845
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:237 Resp: 62360

Ion	Ratio	Lower	Upper
237	100		
235	62.7	50.2	75.4
272	11.8	9.8	14.6

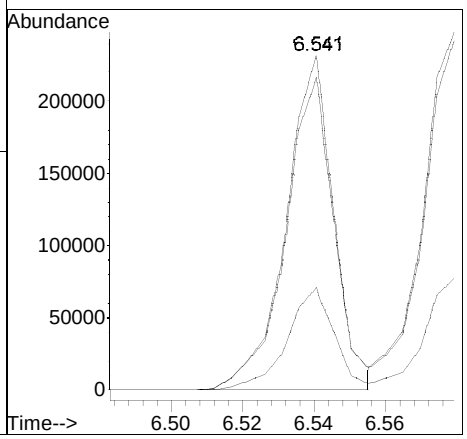


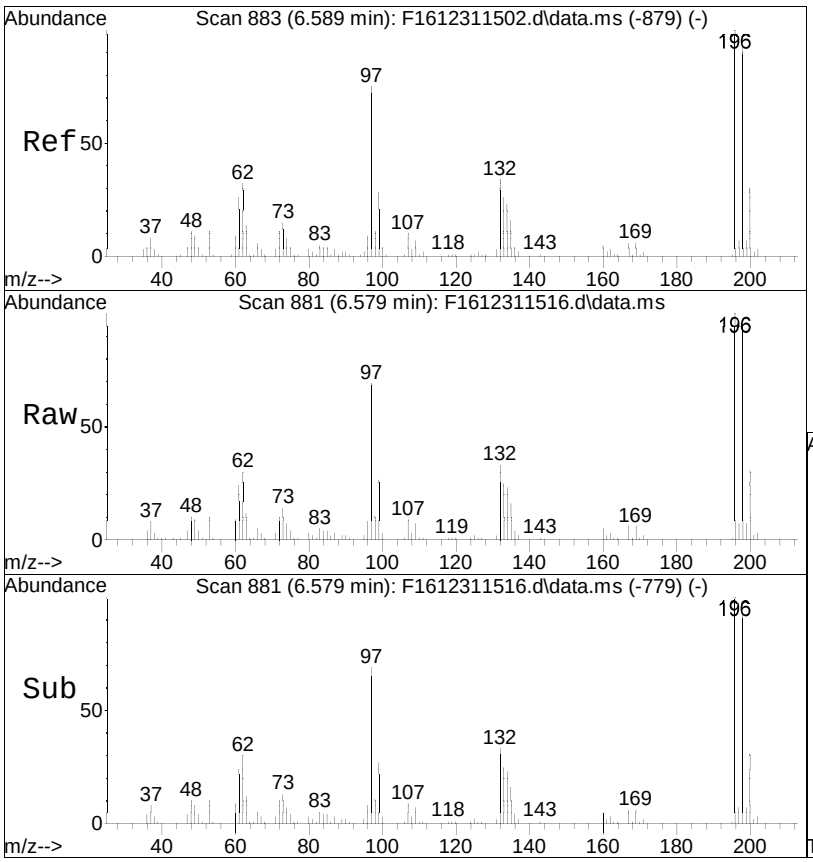


#41
2,4,6-Trichlorophenol
Concen: 7.41 ug/mL
RT: 6.541 min Scan# 873
Delta R.T. -0.010 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:196 Resp: 215389

Ion	Ratio	Lower	Upper
196	100		
198	94.8	75.7	113.5
200	30.4	24.1	36.1

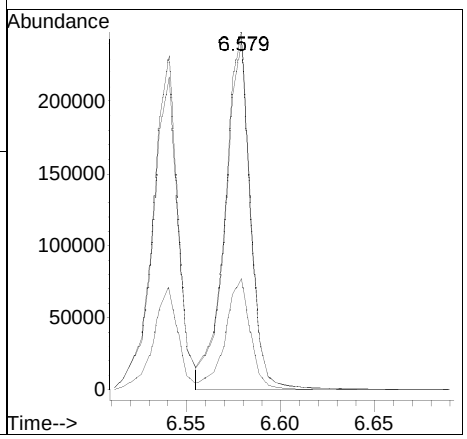


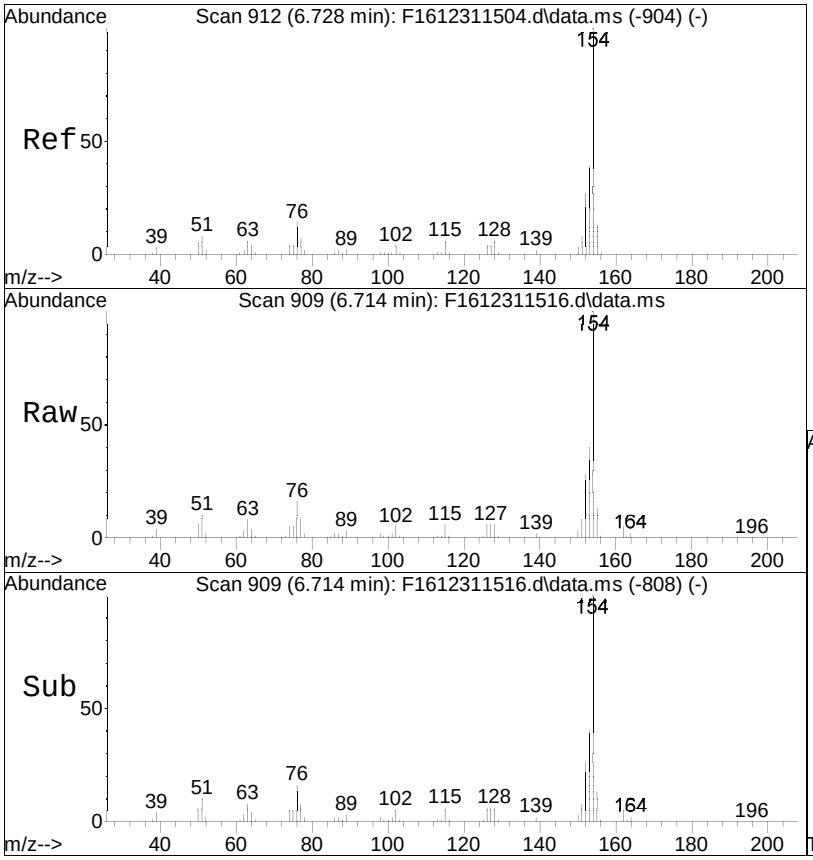


#42
2,4,5-Trichlorophenol
Concen: 7.71 ug/mL
RT: 6.579 min Scan# 881
Delta R.T. -0.010 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:196 Resp: 232622

Ion	Ratio	Lower	Upper
196	100		
198	94.9	76.2	114.2
200	30.7	24.2	36.2

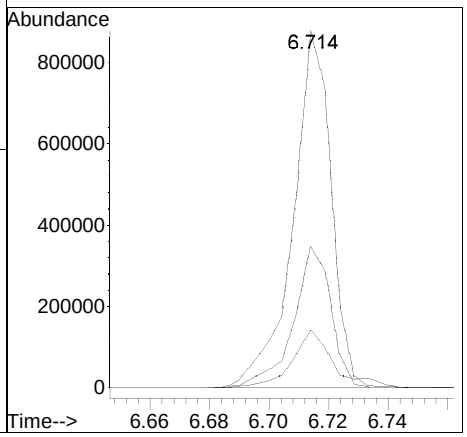


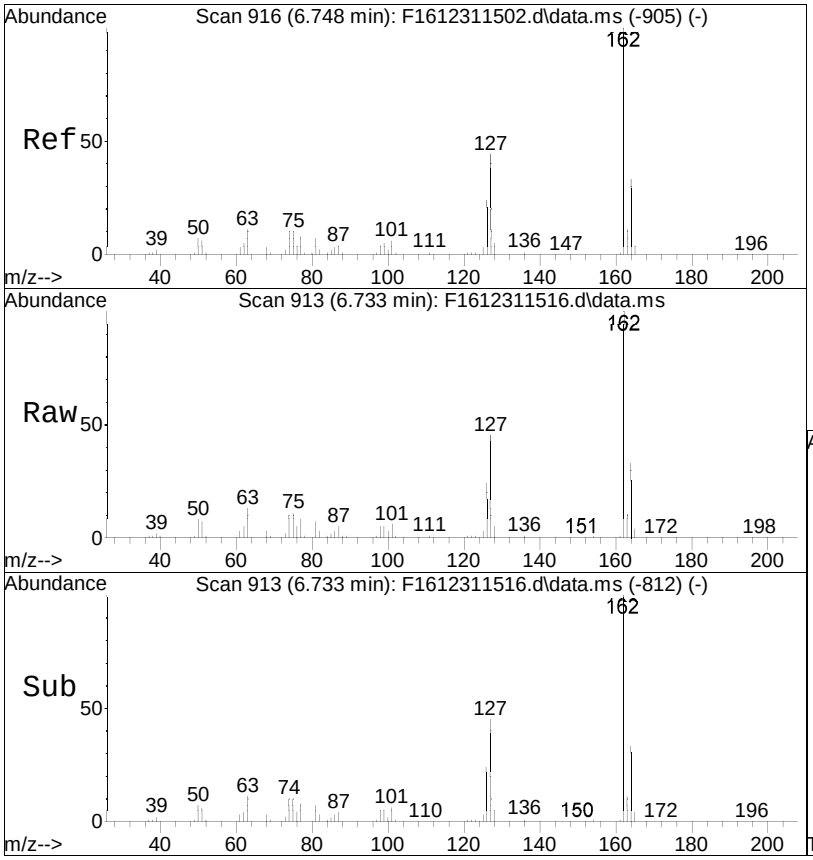


#44
Biphenyl
Concen: 6.44 ug/ml
RT: 6.714 min Scan# 909
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:154 Resp: 775742

Ion	Ratio	Lower	Upper
154	100		
153	39.5	31.3	46.9
76	16.5	12.4	18.6

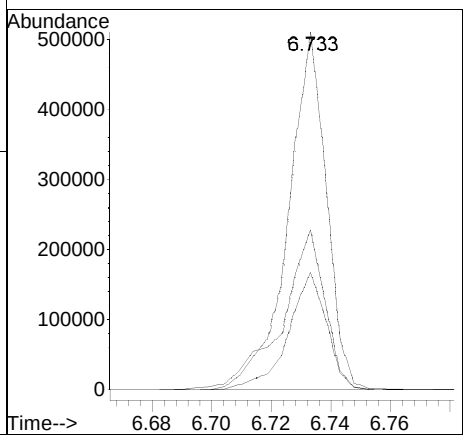


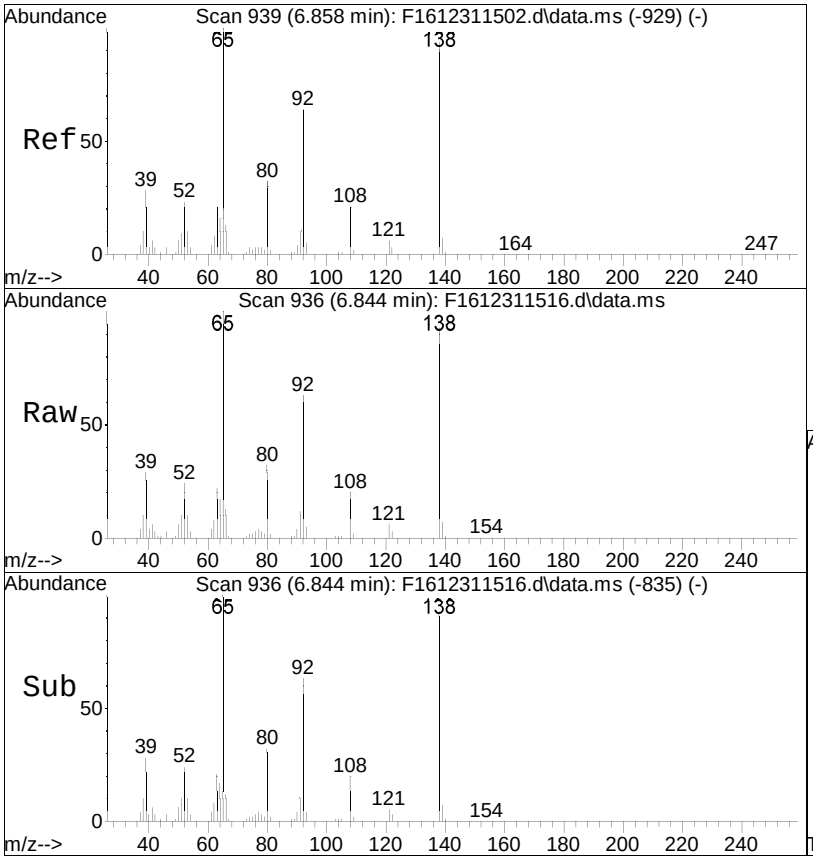


#45
2-Chloronaphthalene
Concen: 4.66 ug/mL
RT: 6.733 min Scan# 913
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:162 Resp: 452330

Ion	Ratio	Lower	Upper
162	100		
164	33.0	25.8	38.6
127	50.8	31.0	46.6#

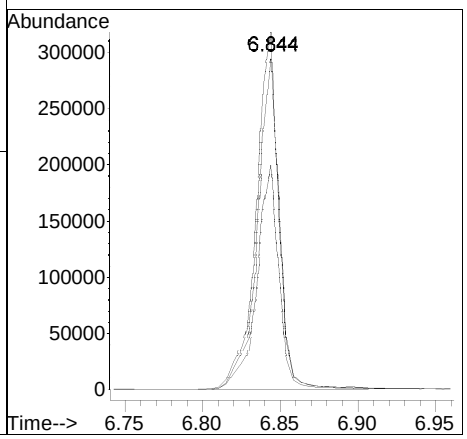


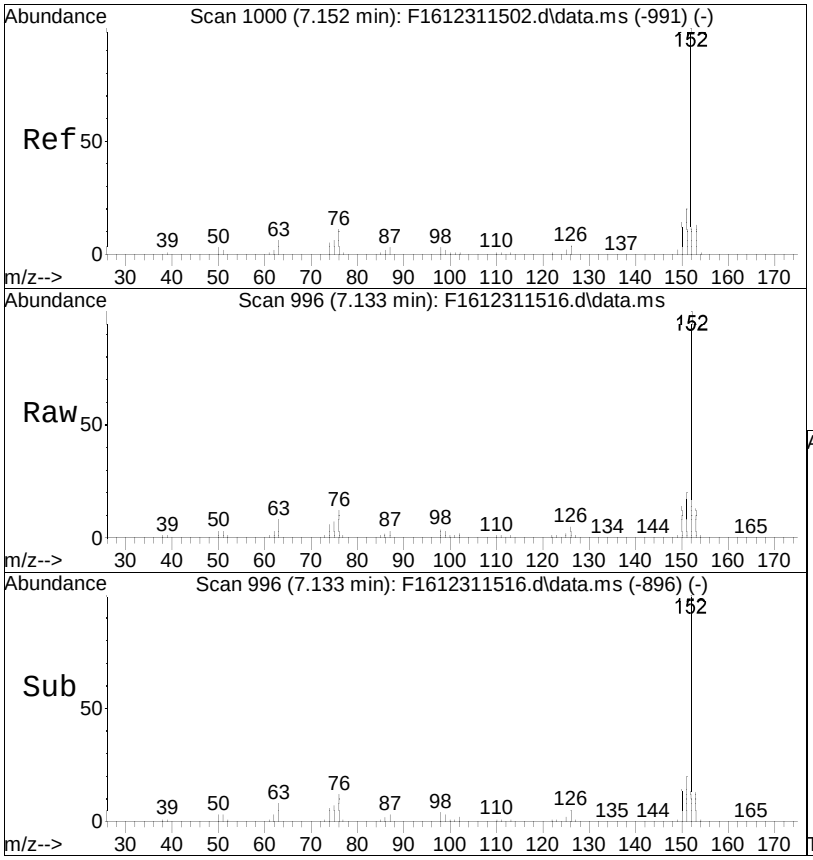


#46
2-Nitroaniline
Concen: 8.55 ug/mL
RT: 6.844 min Scan# 936
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion: 65 Resp: 317169

Ion	Ratio	Lower	Upper
65	100		
92	61.9	58.3	87.5
138	90.3	95.4	143.0#

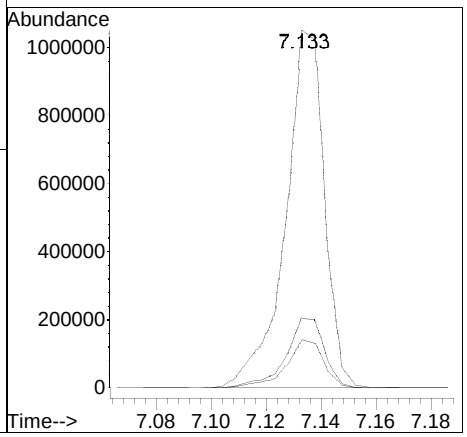


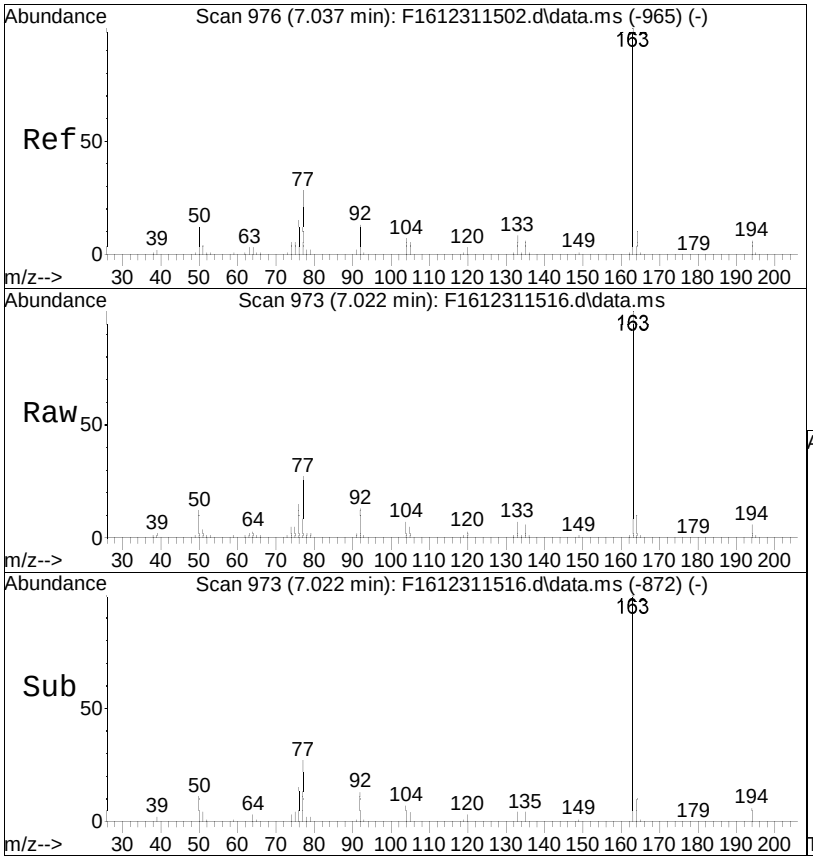


#47
Acenaphthylene
Concen: 6.12 ug/mL
RT: 7.133 min Scan# 996
Delta R.T. -0.019 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:152 Resp: 1022990

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.4	23.2
153	13.1	10.6	15.8

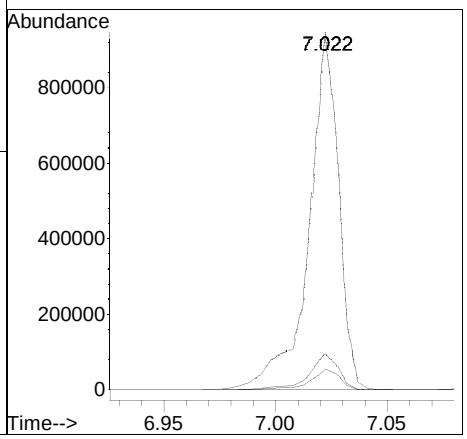


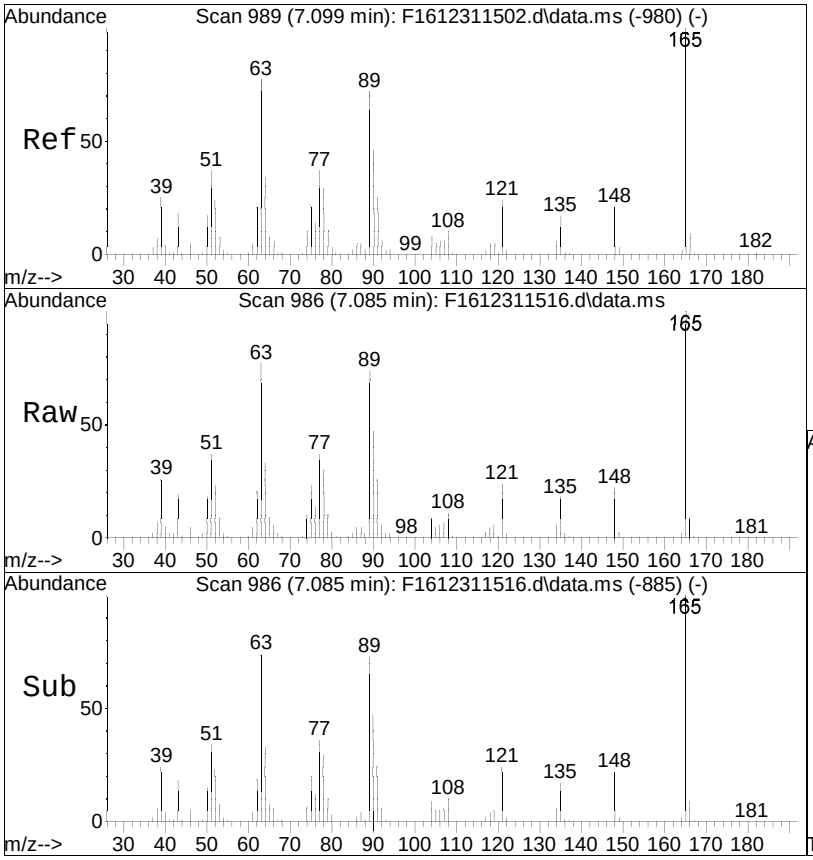


#48
Dimethylphthalate
Concen: 8.22 ug/mL
RT: 7.022 min Scan# 973
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:163 Resp: 868169

Ion	Ratio	Lower	Upper
163	100		
194	5.9	5.0	7.6
164	10.1	8.0	12.0

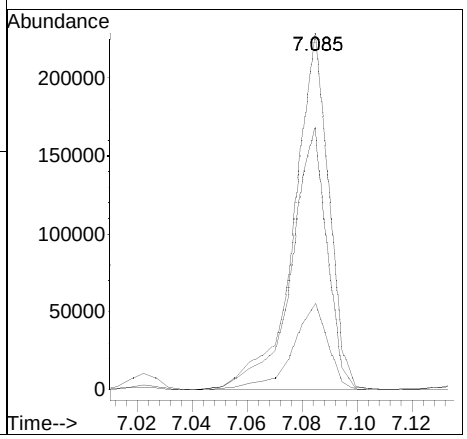


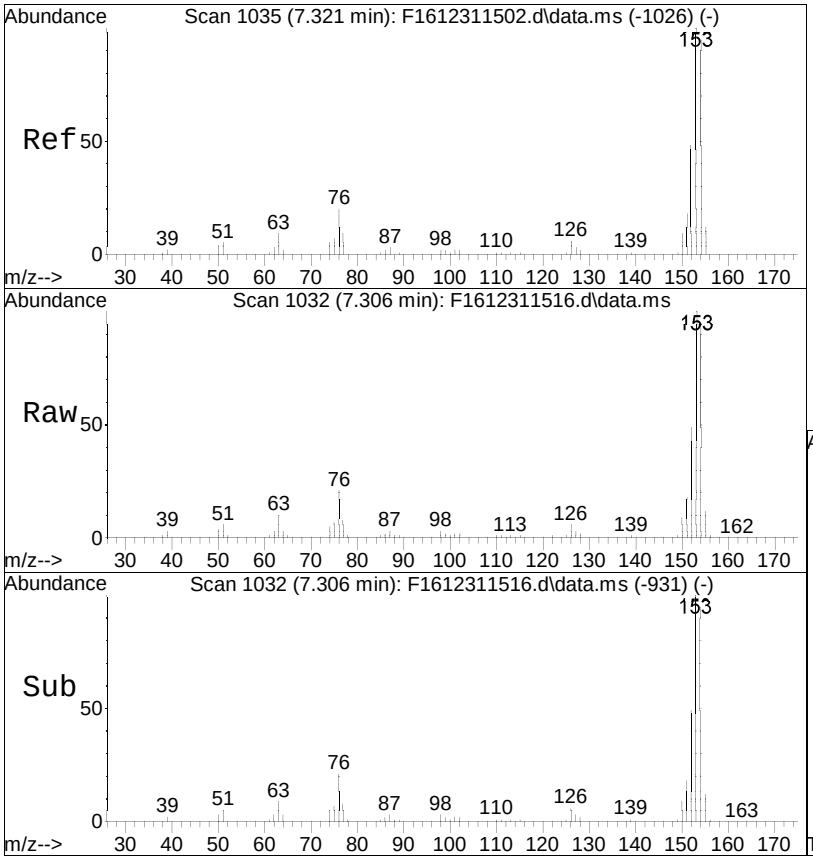


#49
2,6-Dinitrotoluene
Concen: 8.19 ug/mL
RT: 7.085 min Scan# 986
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:165 Resp: 202309

Ion	Ratio	Lower	Upper
165	100		
89	75.7	45.3	67.9#
121	25.0	16.6	24.8#

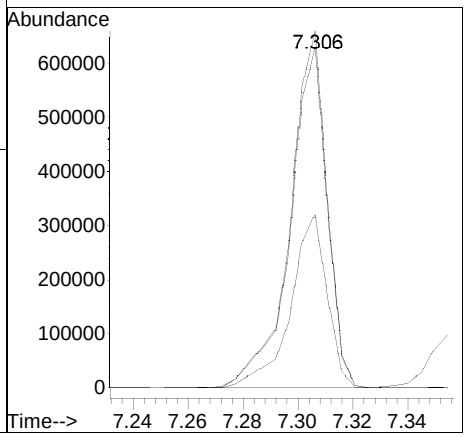


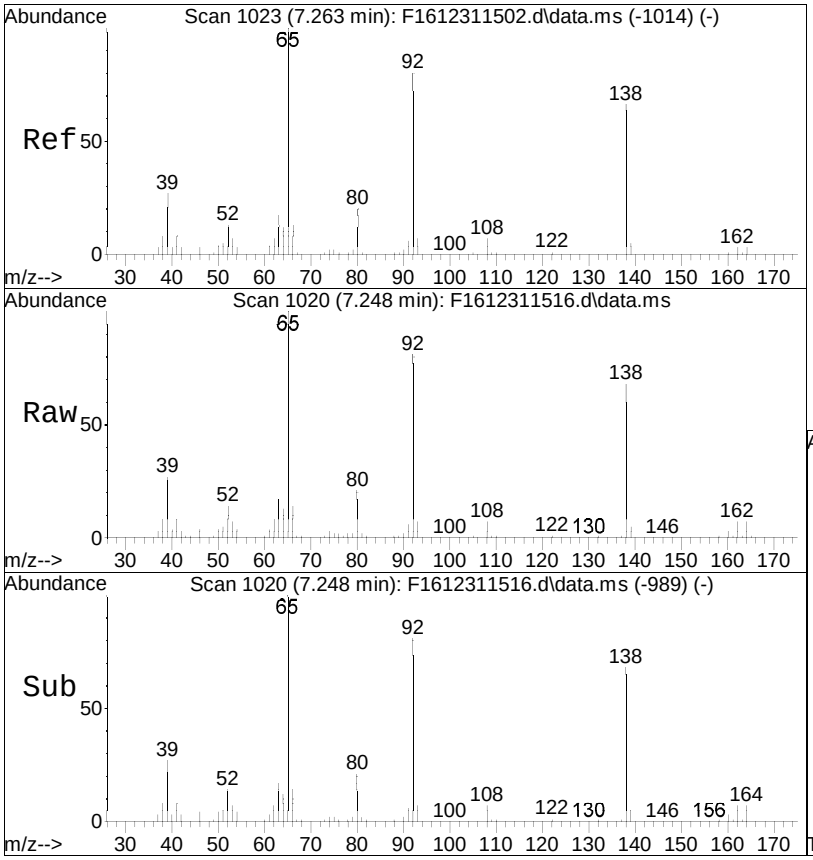


#50
Acenaphthene
Concen: 5.83 ug/mL
RT: 7.306 min Scan# 1032
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:153 Resp: 613703

Ion	Ratio	Lower	Upper
153	100		
154	95.7	77.2	115.8
152	48.5	37.9	56.9

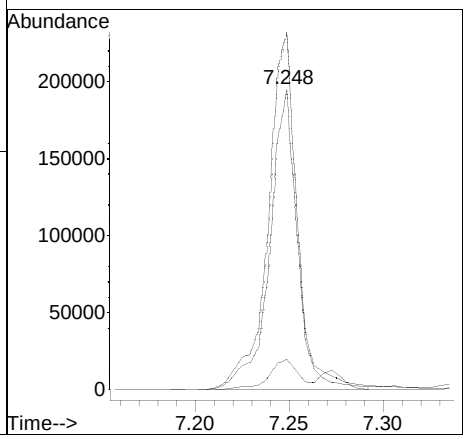


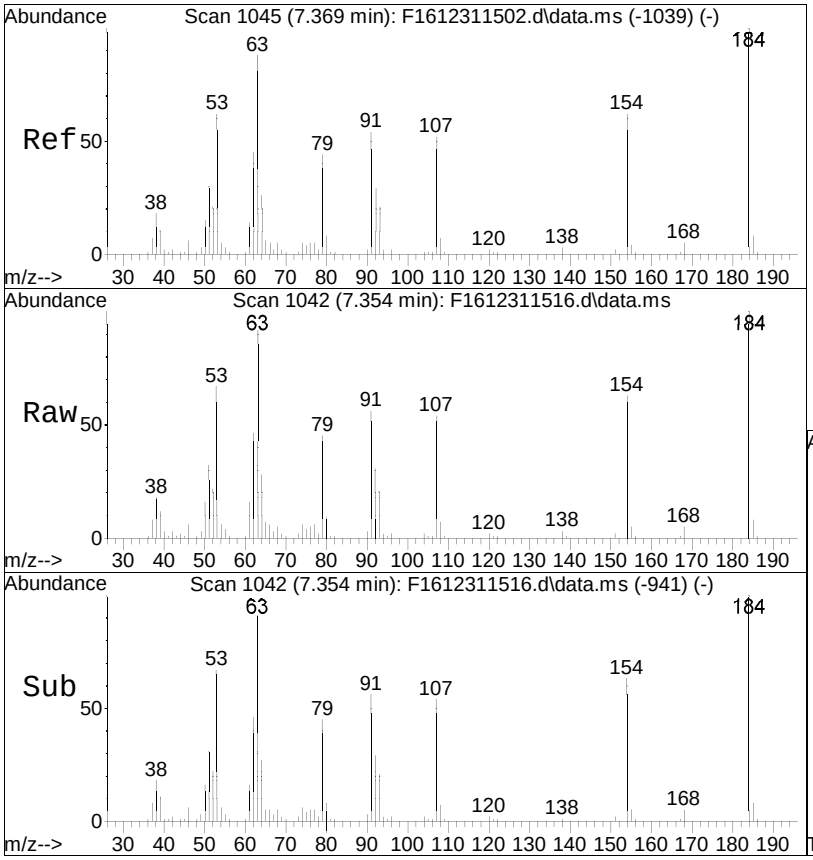


#51
3-Nitroaniline
Concen: 6.87 ug/mL
RT: 7.248 min Scan# 1020
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:138 Resp: 198019

Ion	Ratio	Lower	Upper
138	100		
108	11.3	8.6	12.8
92	127.0	86.3	129.5

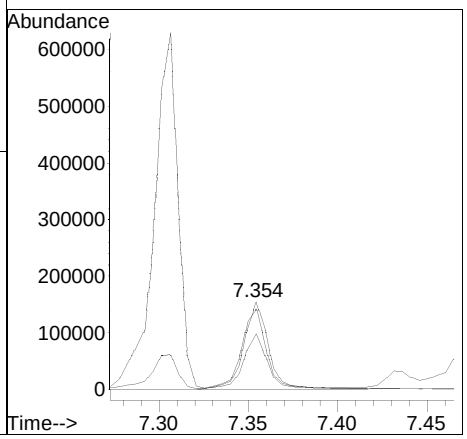


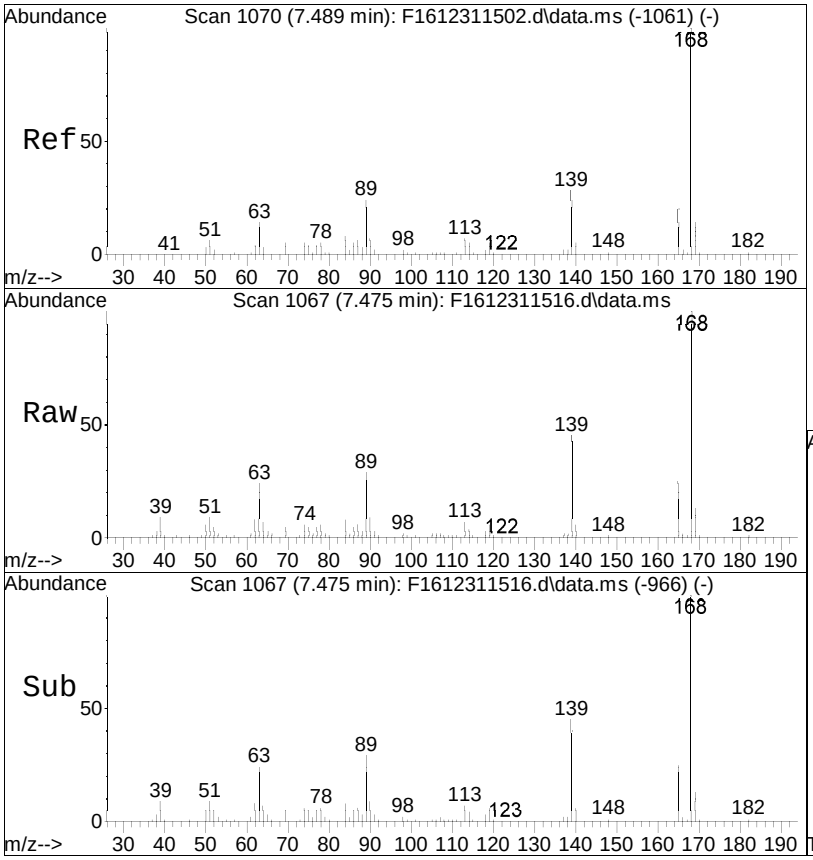


#52
2,4-Dinitrophenol
Concen: 8.78 ug/mL
RT: 7.354 min Scan# 1042
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:184 Resp: 150919

Ion	Ratio	Lower	Upper
184	100		
63	92.5	46.0	69.0#
154	60.2	42.5	63.7

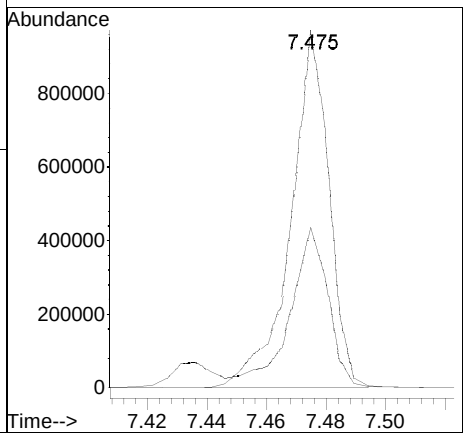


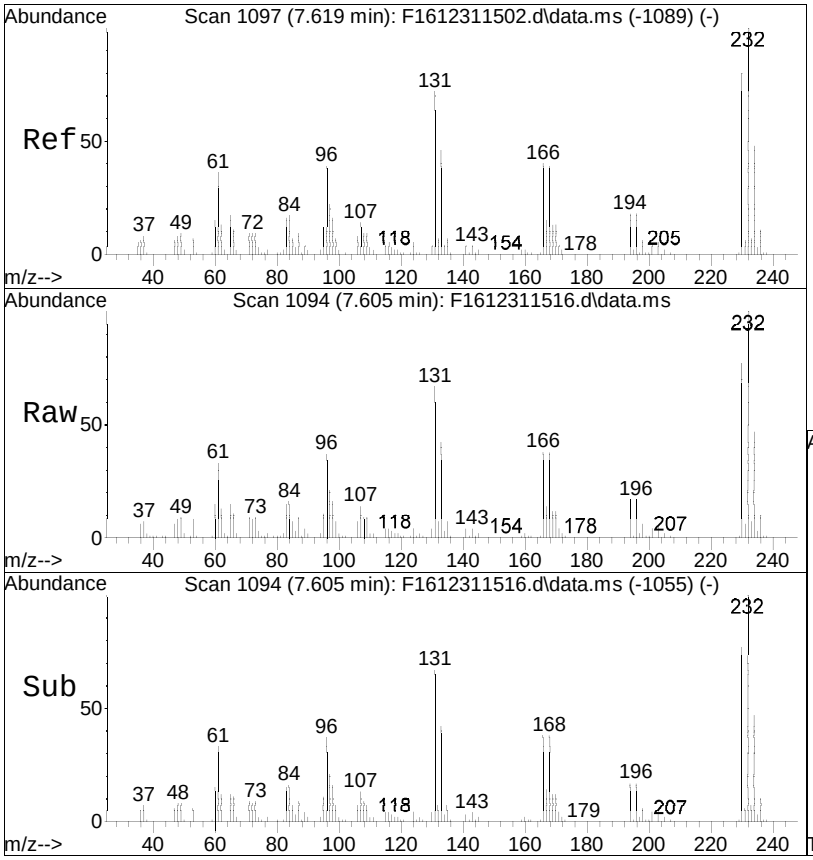


#53
Dibenzofuran
Concen: 6.40 ug/mL
RT: 7.475 min Scan# 1067
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:168 Resp: 858957

Ion	Ratio	Lower	Upper
168	100		
139	44.2	30.2	45.4

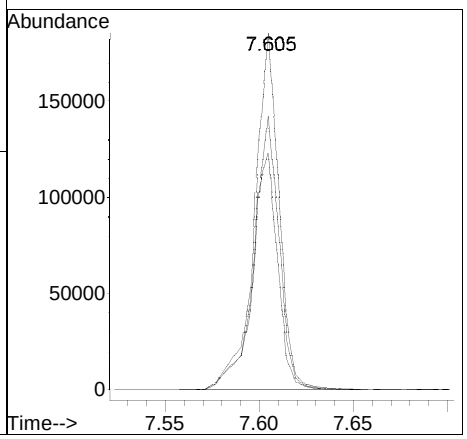


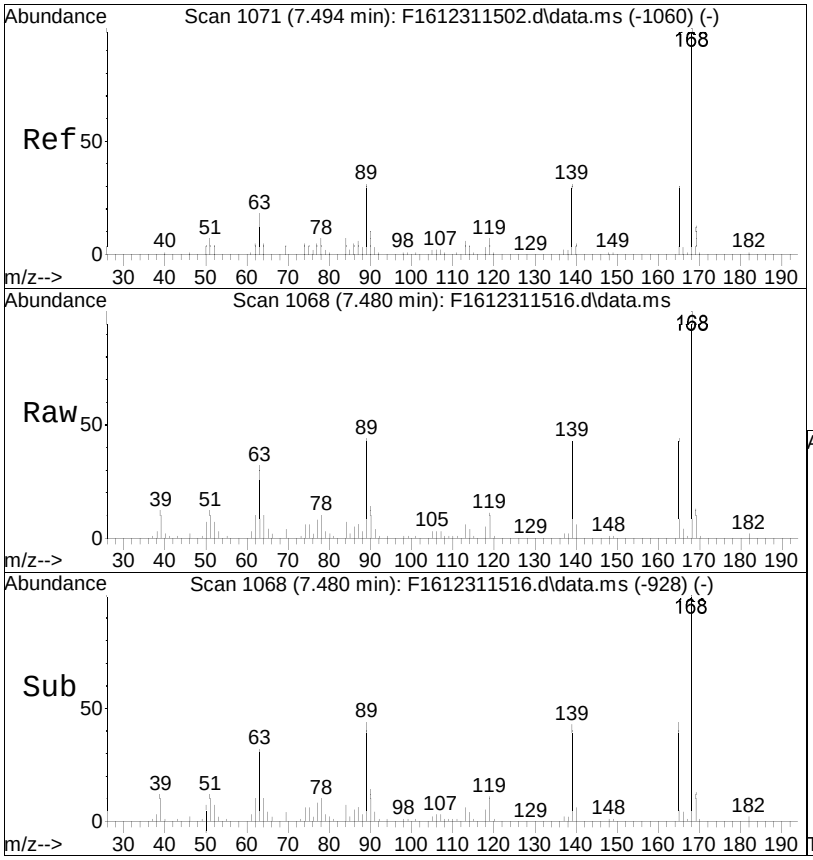


#54
2,3,4,6-Tetrachlorophenol
Concen: 8.45
RT: 7.605 min Scan# 1094
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:232 Resp: 167441

Ion	Ratio	Lower	Upper
232	100		
131	70.4	46.9	70.3#
230	78.8	63.7	95.5

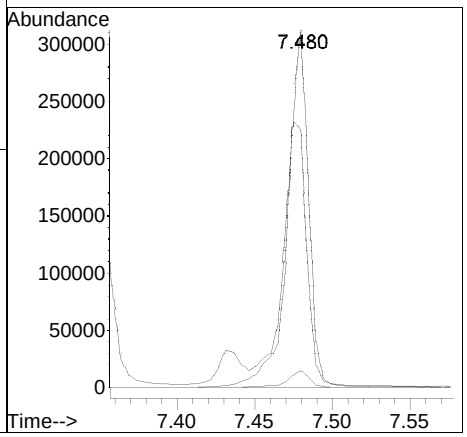


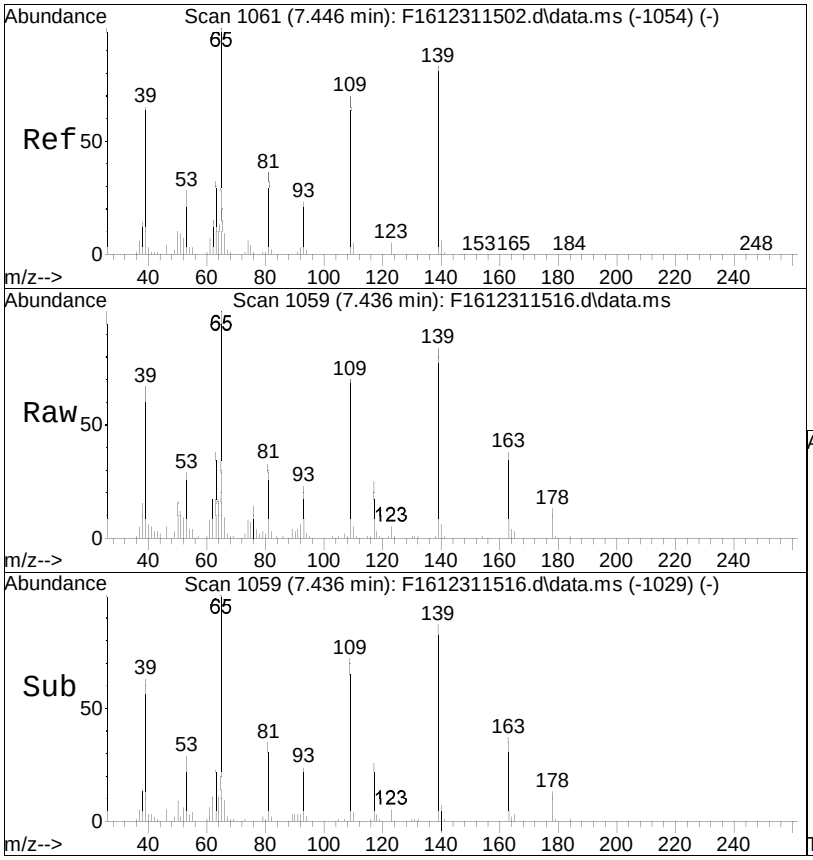


#55
2,4-Dinitrotoluene
Concen: 8.57 ug/mL
RT: 7.480 min Scan# 1068
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:165 Resp: 292672

Ion	Ratio	Lower	Upper
165	100		
63	83.6	33.0	49.6#
182	4.7	3.9	5.9

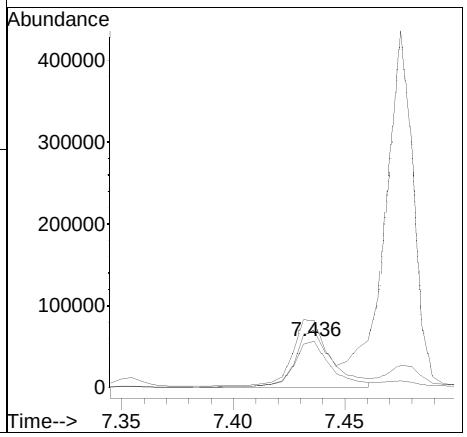


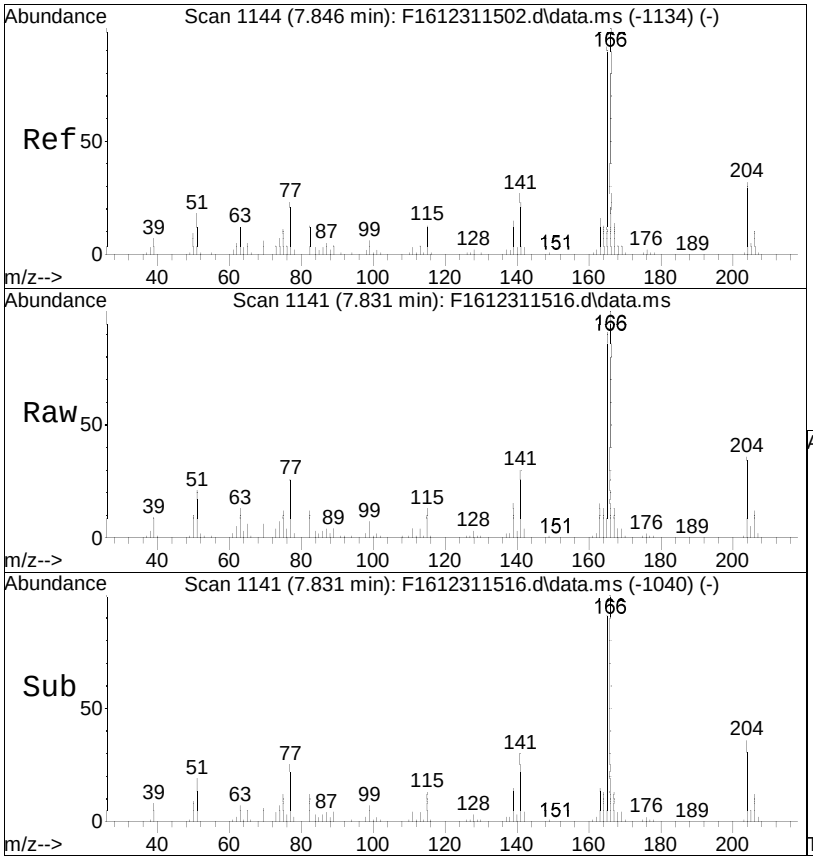


#56
4-Nitrophenol
Concen: 4.13 ug/mL
RT: 7.436 min Scan# 1059
Delta R.T. -0.010 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:109 Resp: 66025

Ion	Ratio	Lower	Upper
109	100		
139	109.0	117.7	176.5#
65	144.5	106.1	159.1

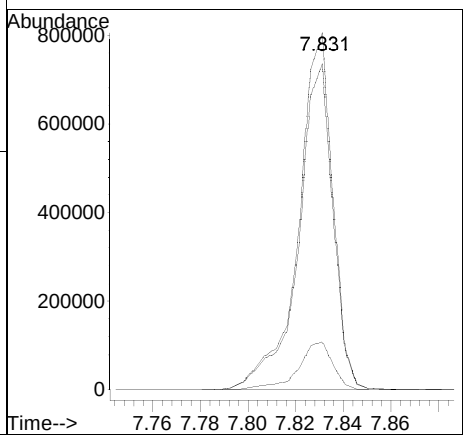


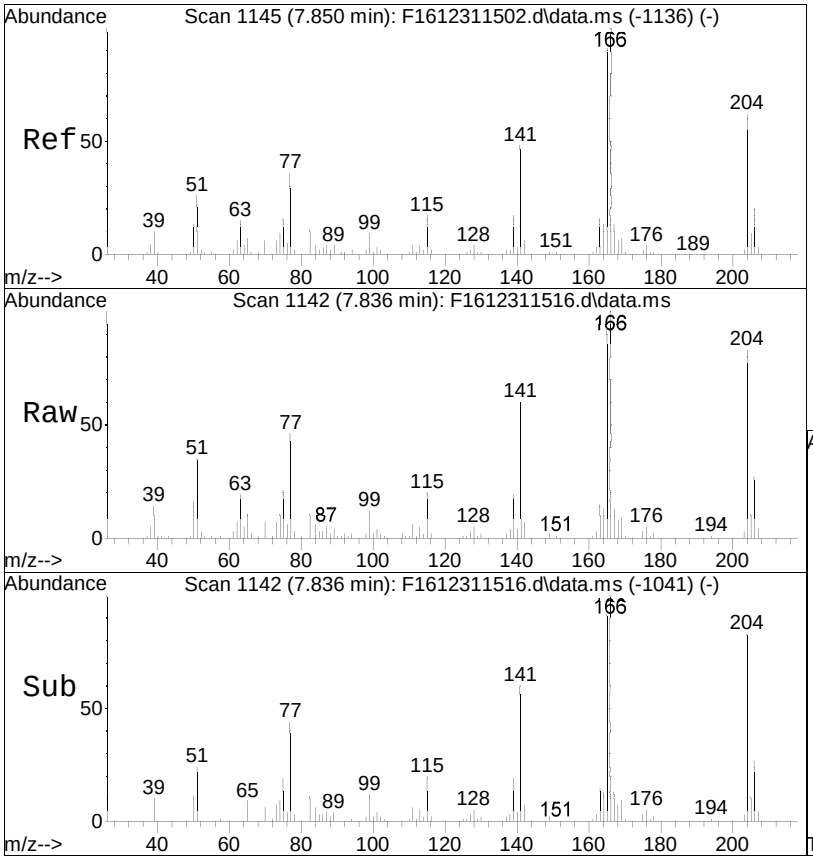


#57
Fluorene
Concen: 7.31 ug/mL
RT: 7.831 min Scan# 1141
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:166 Resp: 808254

Ion	Ratio	Lower	Upper
166	100		
165	91.6	72.0	108.0
167	13.5	10.6	15.8

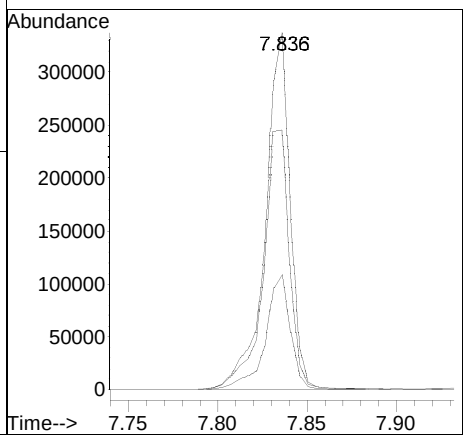


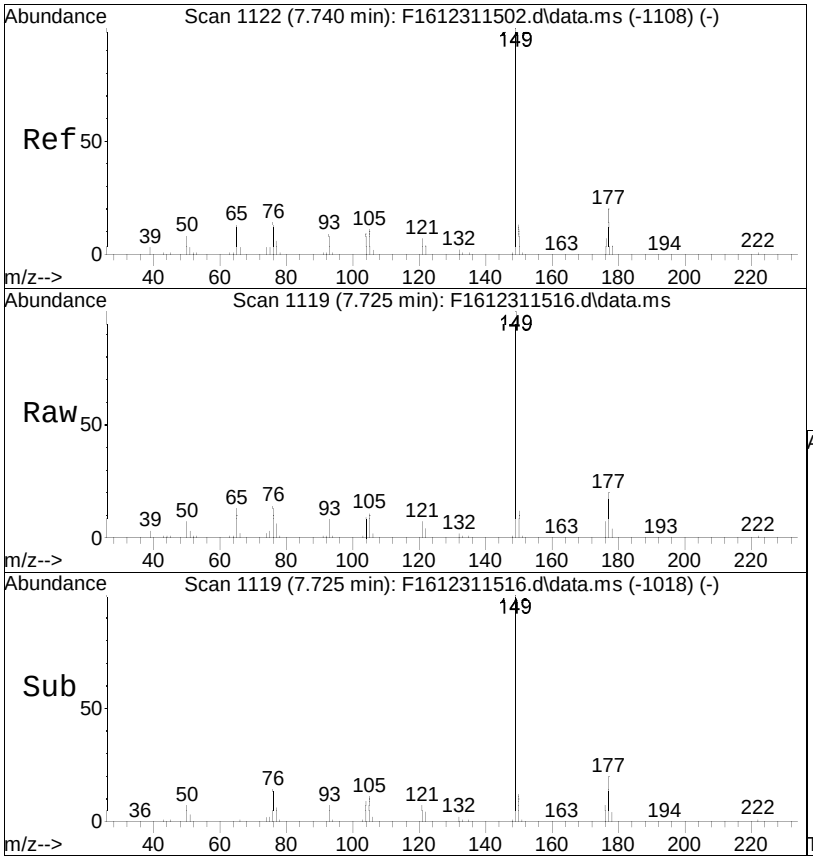


#58
4-Chlorophenyl-phenylether
Concen: 6.82 ug/mL
RT: 7.836 min Scan# 1142
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:204 Resp: 325329

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.7	38.5
141	76.9	52.9	79.3

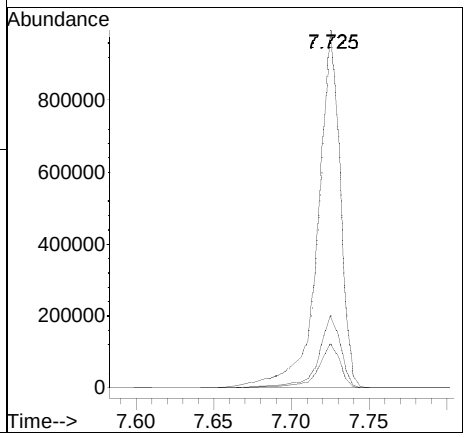


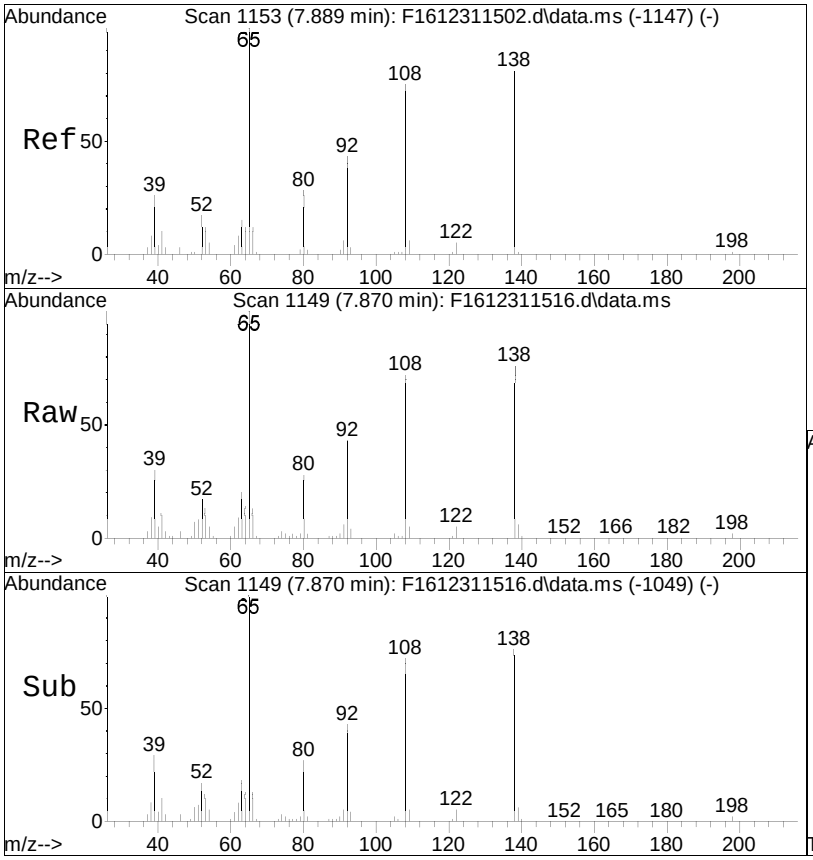


#59
Diethylphthalate
Concen: 8.76 ug/mL
RT: 7.725 min Scan# 1119
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:149 Resp: 995196

Ion	Ratio	Lower	Upper
149	100		
177	20.3	18.6	27.8
150	12.4	9.8	14.8

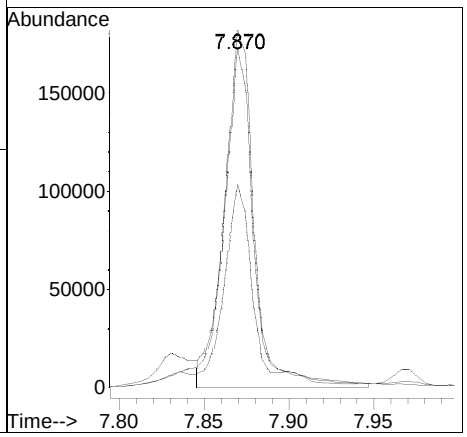


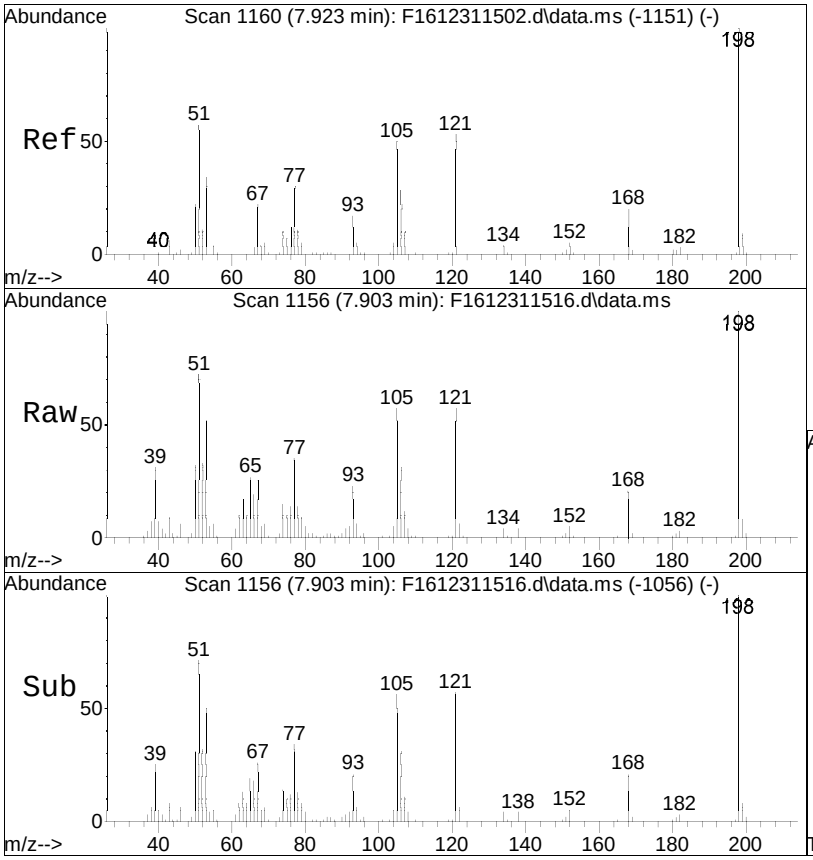


#60
4-Nitroaniline
Concen: 7.98 ug/mL M4
RT: 7.870 min Scan# 1149
Delta R.T. -0.019 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:138 Resp: 222229

Ion	Ratio	Lower	Upper
138	100		
92	52.0	37.7	56.5
108	99.3	57.6	86.4#

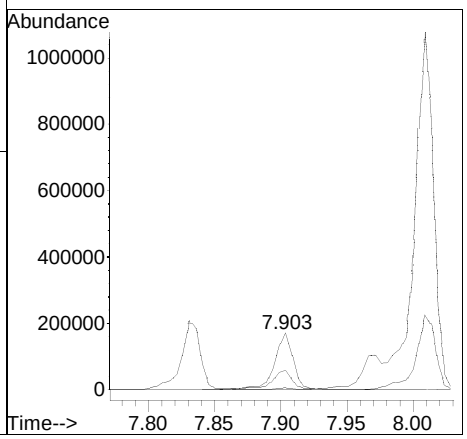


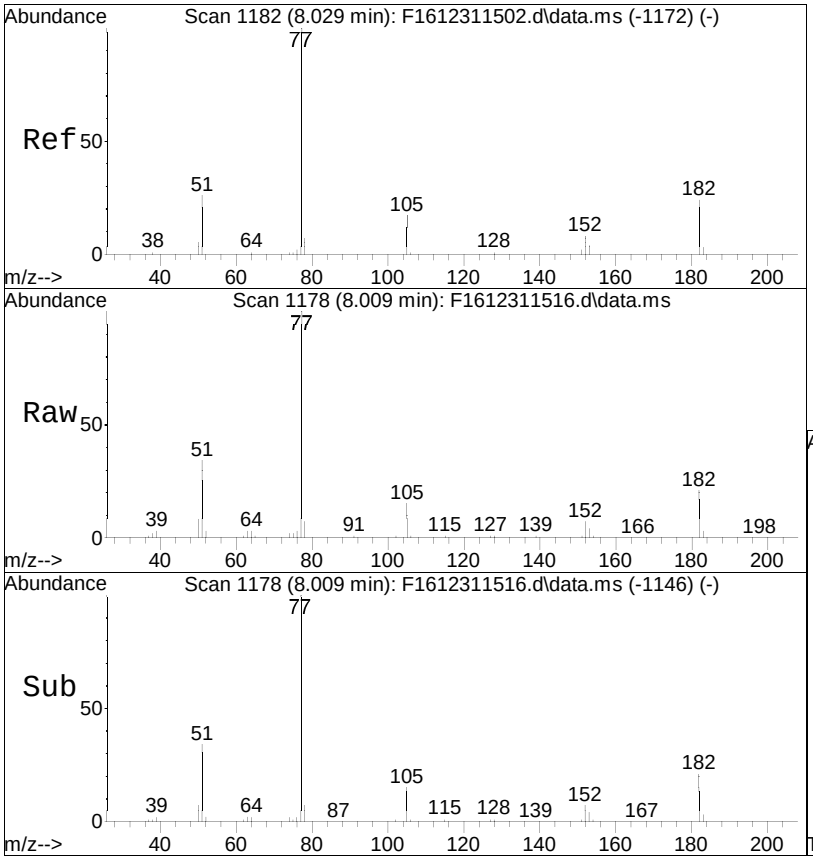


#62
4,6-Dinitro-2-methylphenol
Concen: 8.59 ug/mL
RT: 7.903 min Scan# 1156
Delta R.T. -0.019 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:198 Resp: 170190

Ion	Ratio	Lower	Upper
198	100		
182	3.2	0.0	0.0#
77	31.9	0.0	0.0#

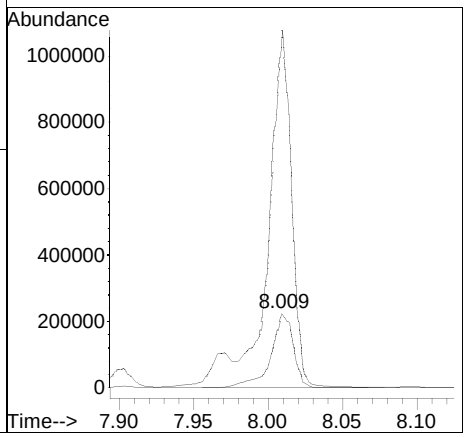


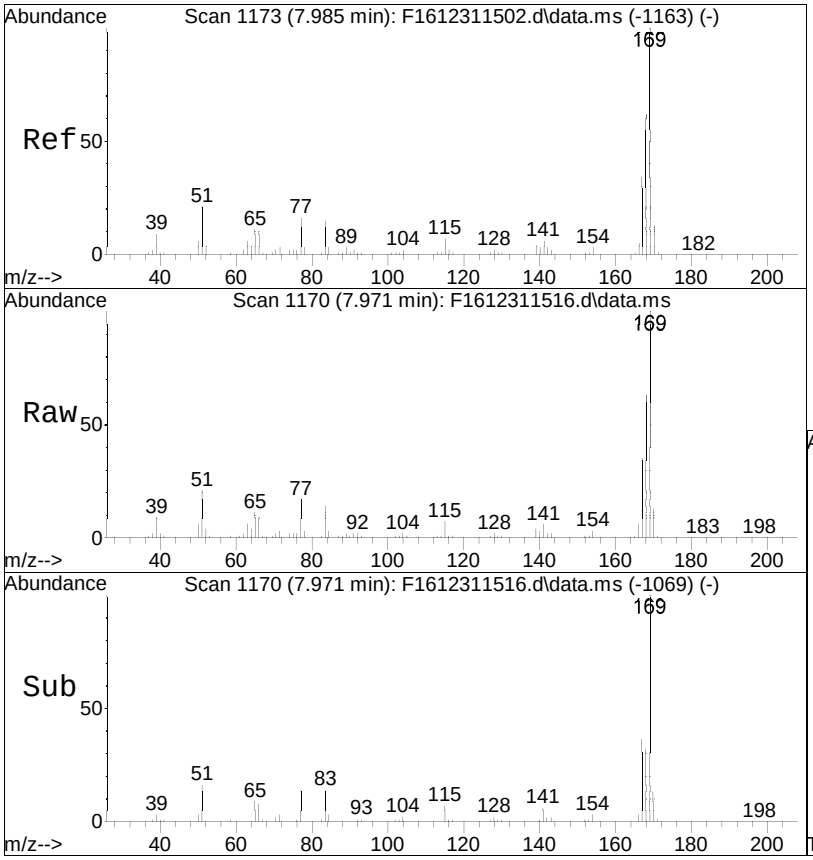


#63
Azobenzene
Concen: 7.73 ug/mL
RT: 8.009 min Scan# 1178
Delta R.T. -0.019 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:182 Resp: 236347

Ion	Ratio	Lower	Upper
182	100		
77	460.2	56.3	647.3

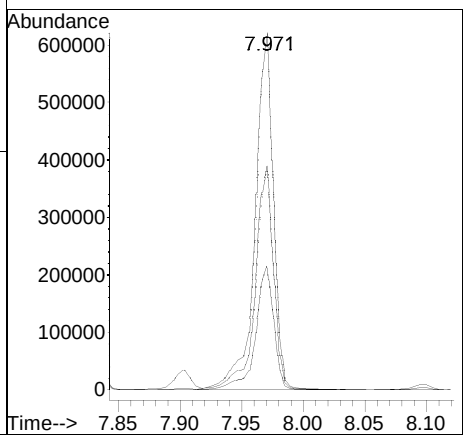


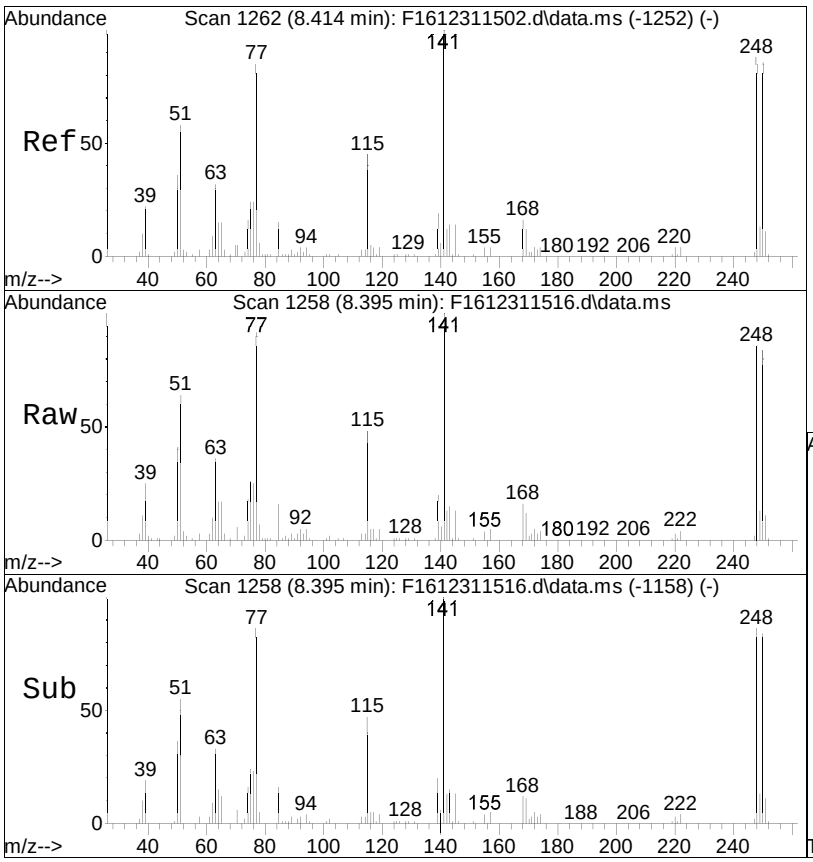


#64
n-Nitrosodiphenylamine
Concen: 8.26 ug/mL
RT: 7.971 min Scan# 1170
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:169 Resp: 636031

Ion	Ratio	Lower	Upper
169	100		
168	63.1	50.7	76.1
167	34.5	28.0	42.0

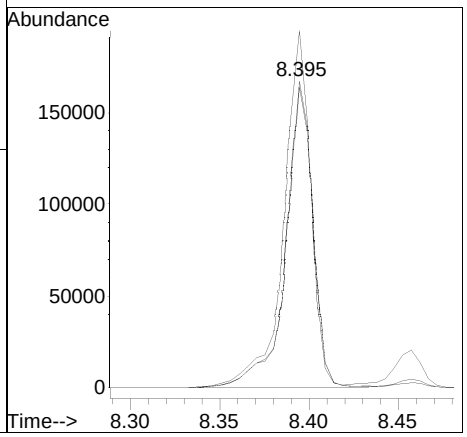


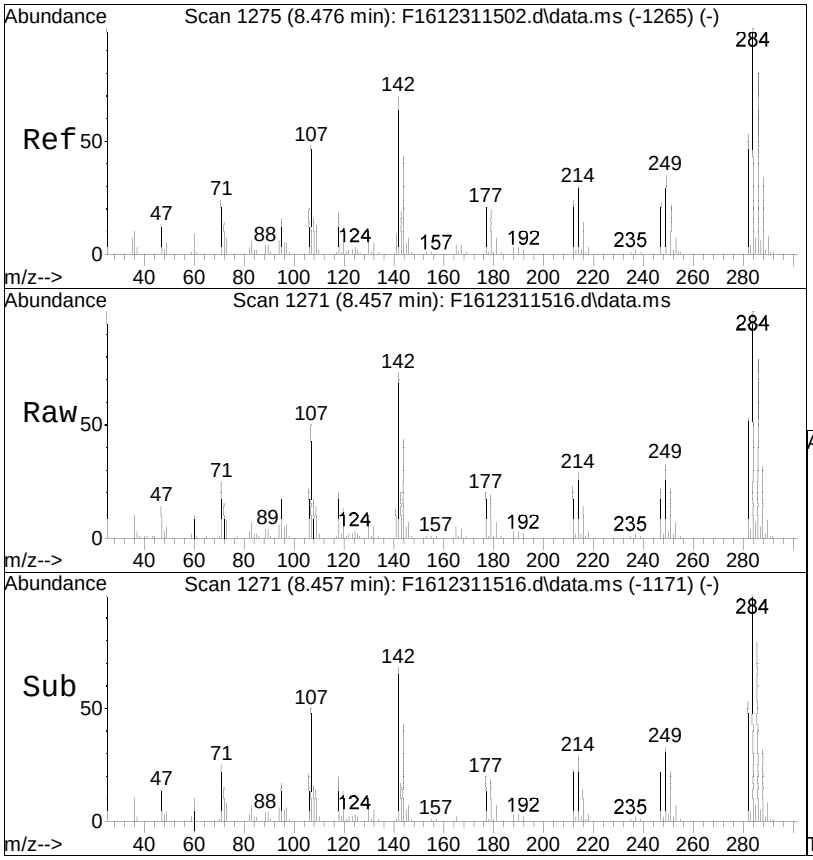


#66
4-Bromophenyl-phenylether
Concen: 7.57 ug/mL
RT: 8.395 min Scan# 1258
Delta R.T. -0.019 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:248 Resp: 177897

Ion	Ratio	Lower	Upper
248	100		
250	97.4	76.2	114.2
141	114.9	74.1	111.1#

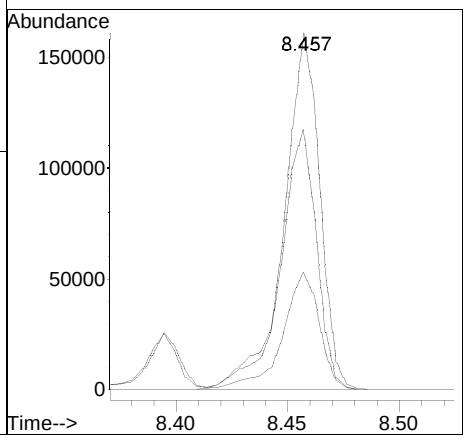


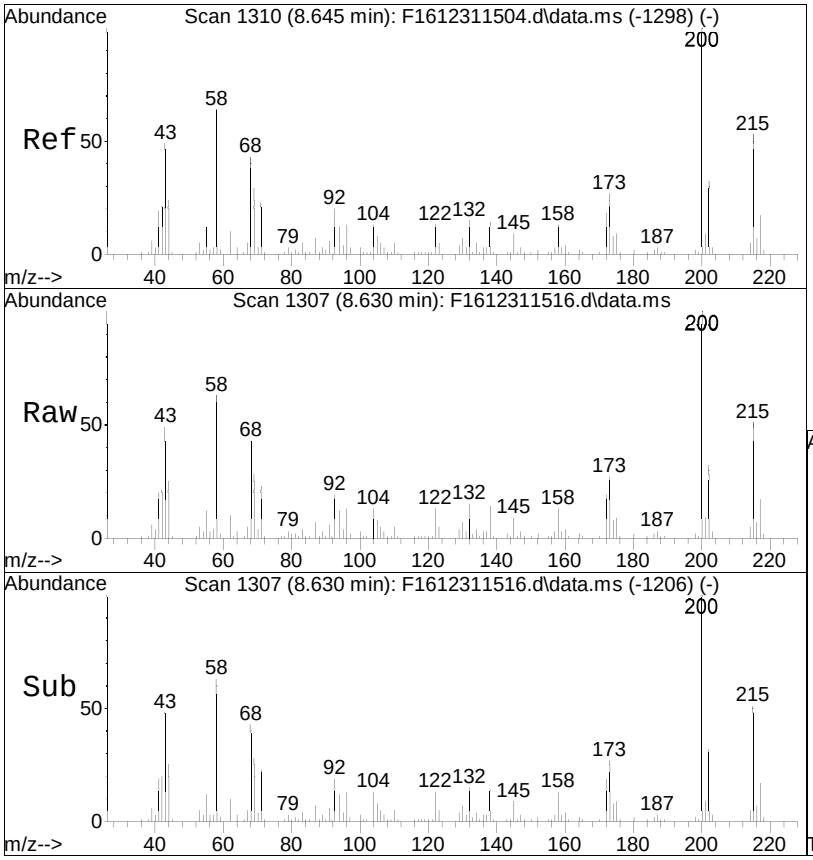


#67
Hexachlorobenzene
Concen: 7.72 ug/mL
RT: 8.457 min Scan# 1271
Delta R.T. -0.019 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:284 Resp: 180463

Ion	Ratio	Lower	Upper
284	100		
142	73.3	41.2	61.8#
249	33.7	25.4	38.0

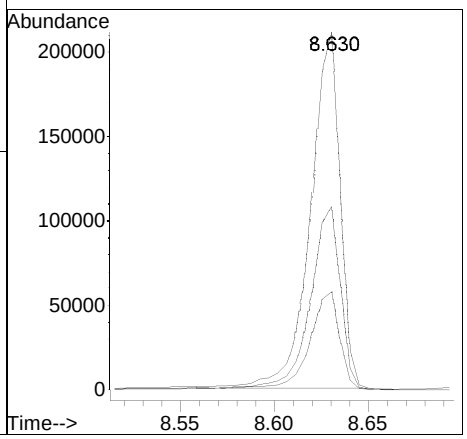


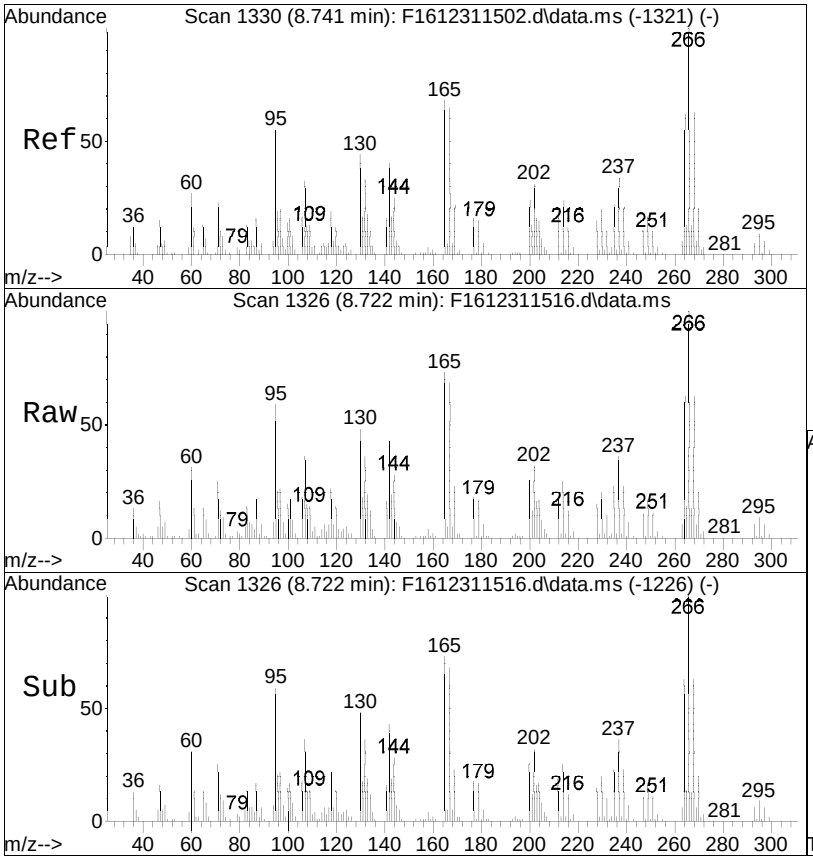


#68
Atrazine
Concen: 8.84 ug/ml
RT: 8.630 min Scan# 1307
Delta R.T. -0.014 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:200 Resp: 229959

Ion	Ratio	Lower	Upper
200	100		
173	27.4	22.3	33.5
215	51.9	41.4	62.0

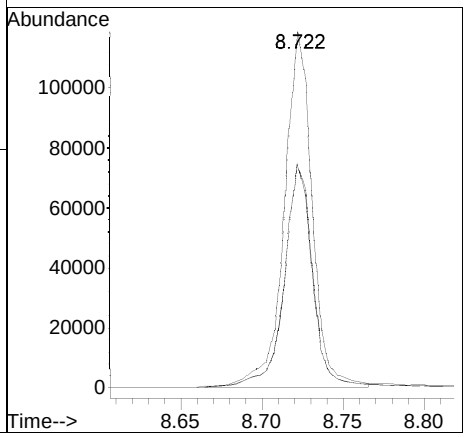


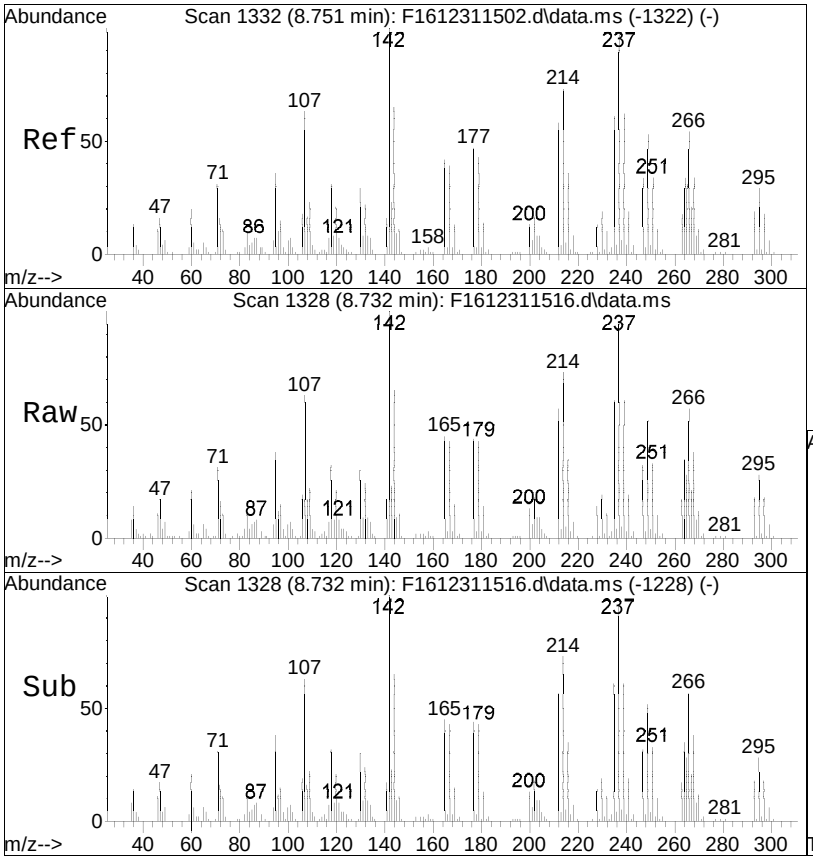


#69
Pentachlorophenol
Concen: 8.58 ug/mL
RT: 8.722 min Scan# 1326
Delta R.T. -0.019 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:266 Resp: 142804

Ion	Ratio	Lower	Upper
266	100		
264	63.8	50.2	75.4
268	64.4	49.4	74.0

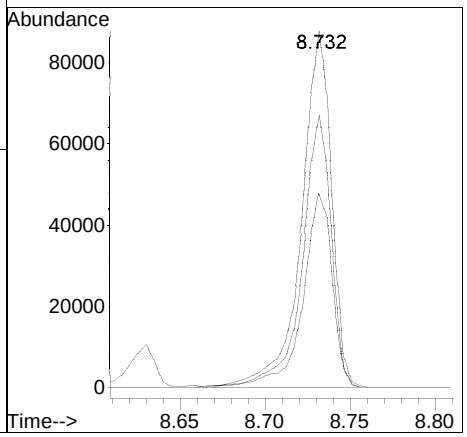


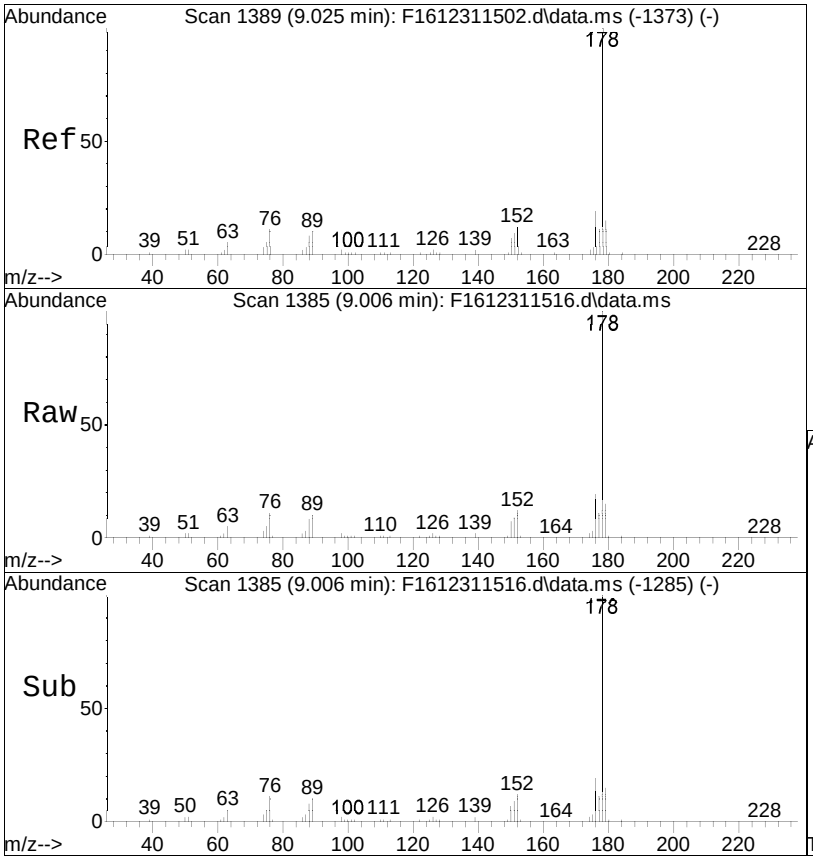


#70
Pentachloronitrobenzene
Concen: 9.35 ug/ml
RT: 8.732 min Scan# 1328
Delta R.T. -0.019 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:237 Resp: 108129

Ion	Ratio	Lower	Upper
237	100		
214	73.5	59.4	89.2
249	53.3	46.4	69.6

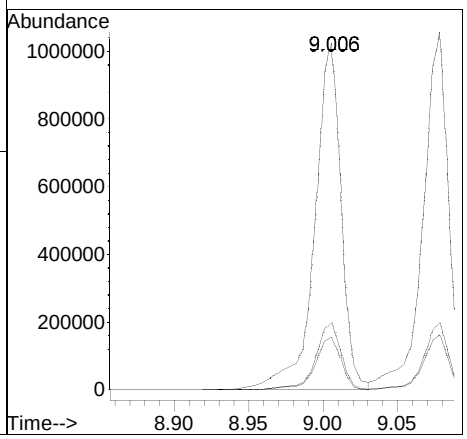


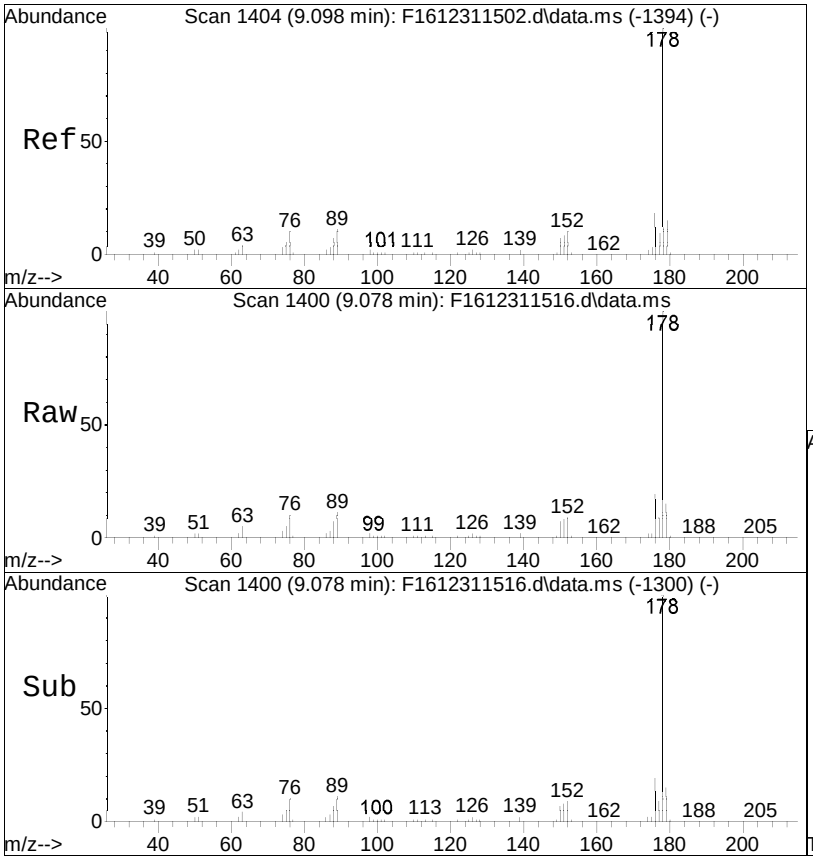


#71
Phenanthrene
Concen: 8.31 ug/mL
RT: 9.006 min Scan# 1385
Delta R.T. -0.019 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:178 Resp: 1271499

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.2
176	19.1	15.1	22.7

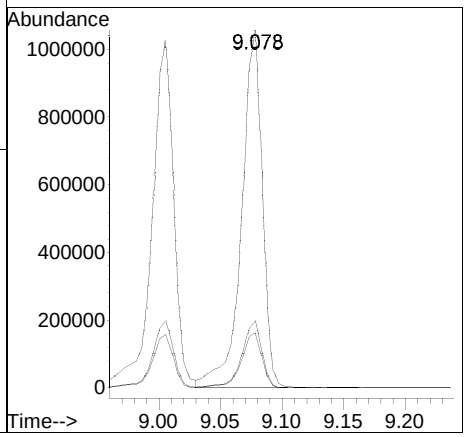


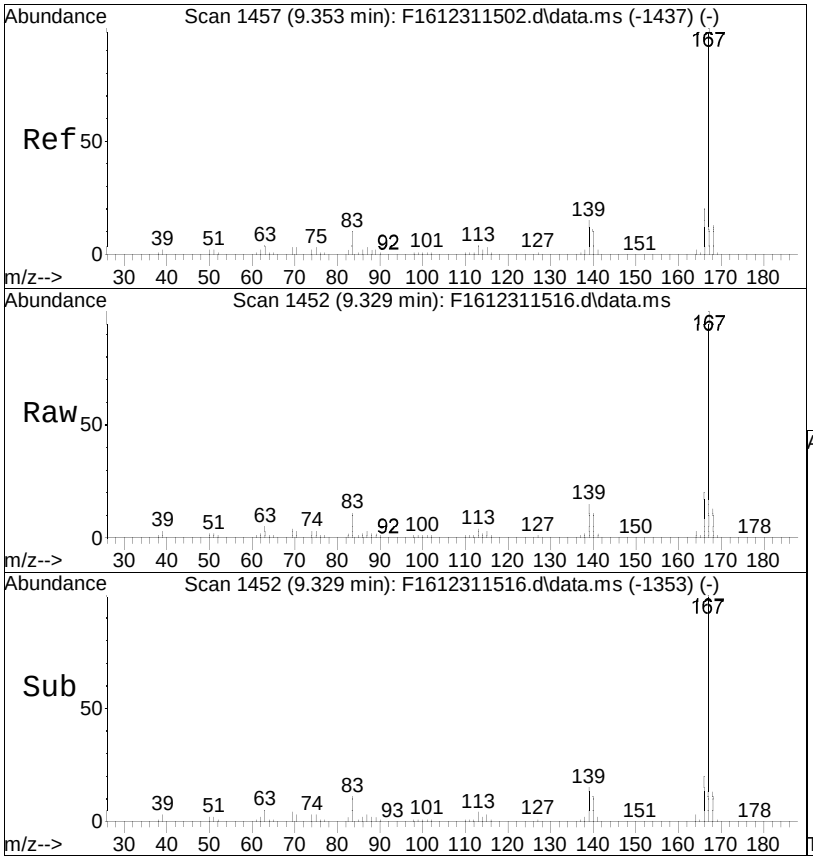


#72
Anthracene
Concen: 8.33 ug/mL
RT: 9.078 min Scan# 1400
Delta R.T. -0.019 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:178 Resp: 1241817

Ion	Ratio	Lower	Upper
178	100		
179	15.4	11.8	17.6
176	18.4	14.2	21.4

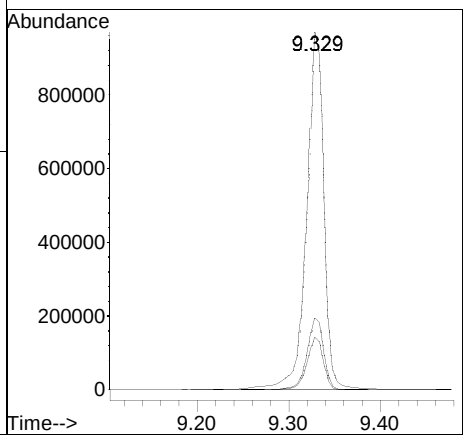


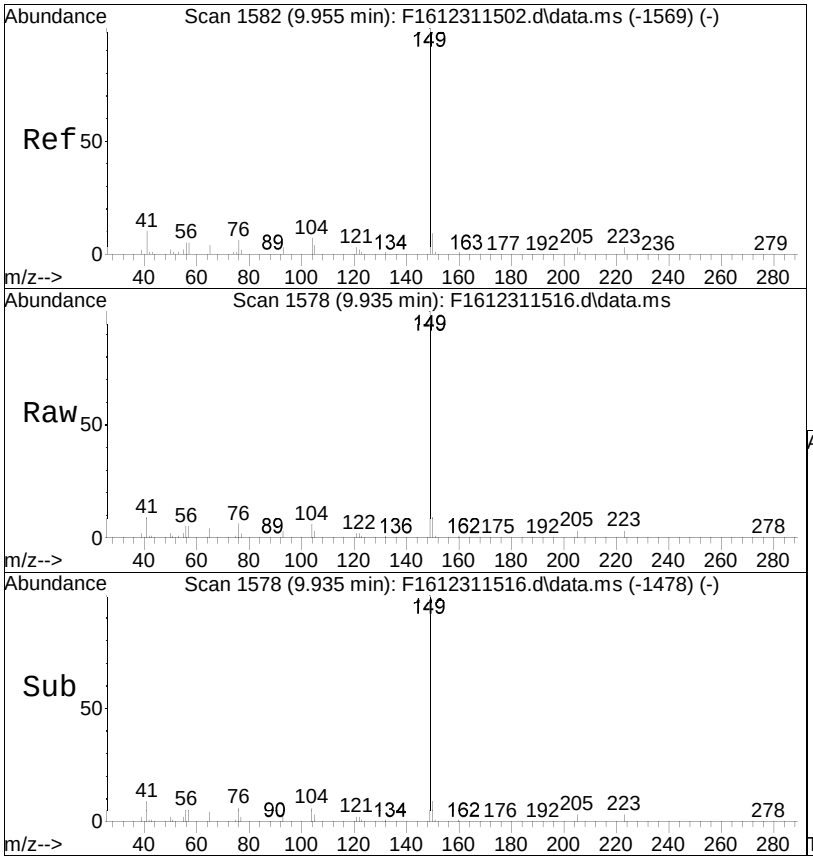


#73
Carbazole
Concen: 8.72 ug/mL
RT: 9.329 min Scan# 1452
Delta R.T. -0.024 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:167 Resp: 1264398

Ion	Ratio	Lower	Upper
167	100		
139	14.6	10.2	15.2
166	20.5	16.1	24.1

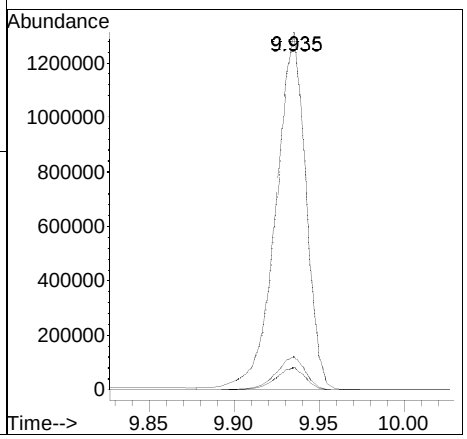


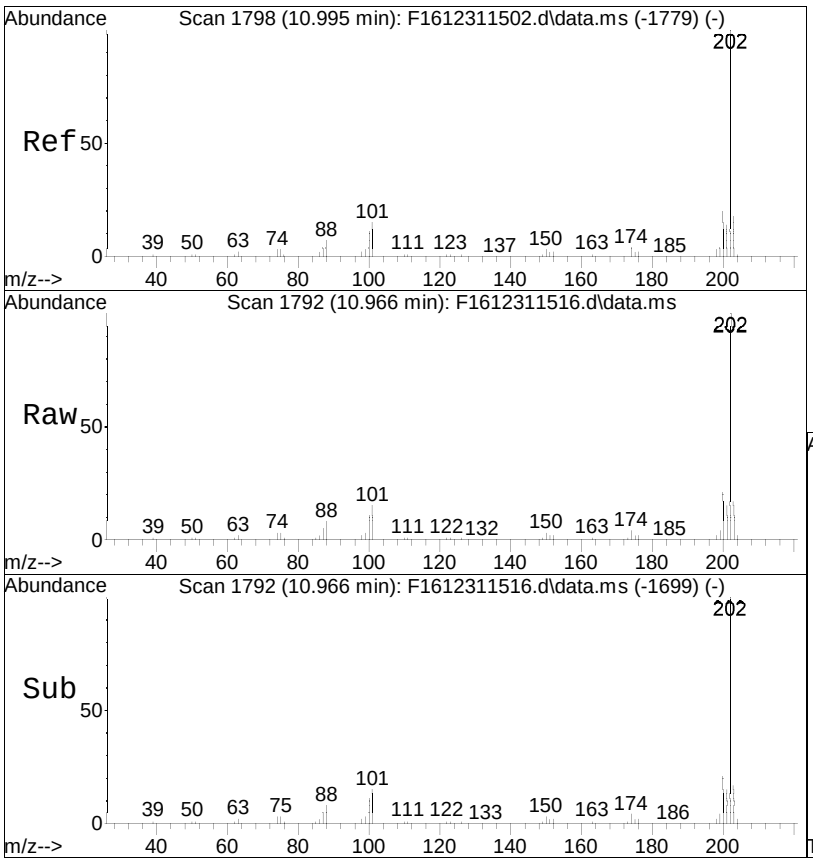


#74
Di-n-butylphthalate
Concen: 8.88 ug/mL
RT: 9.935 min Scan# 1578
Delta R.T. -0.019 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:149 Resp: 1589880

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.0	10.4
104	6.4	3.9	5.9#

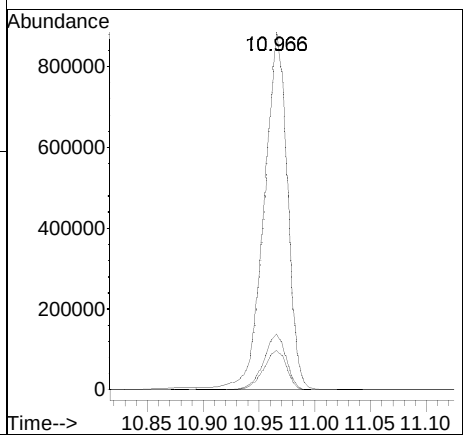


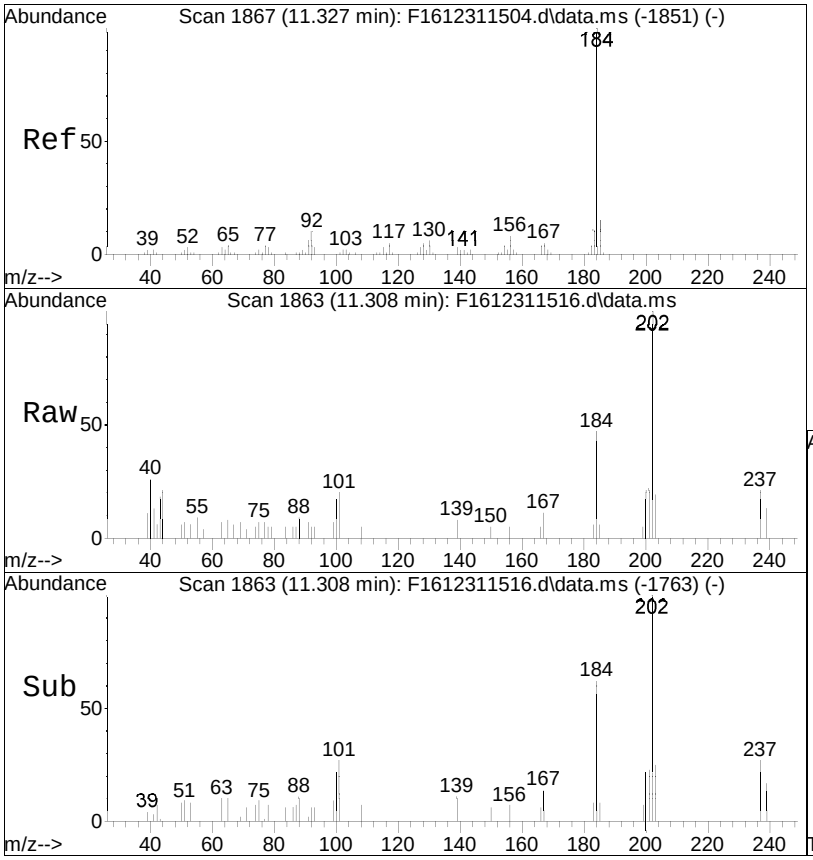


#75
Fluoranthene
Concen: 8.45 ug/mL
RT: 10.966 min Scan# 1792
Delta R.T. -0.029 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:202 Resp: 1269971

Ion	Ratio	Lower	Upper
202	100		
101	15.6	10.3	15.5#
100	11.2	7.5	11.3

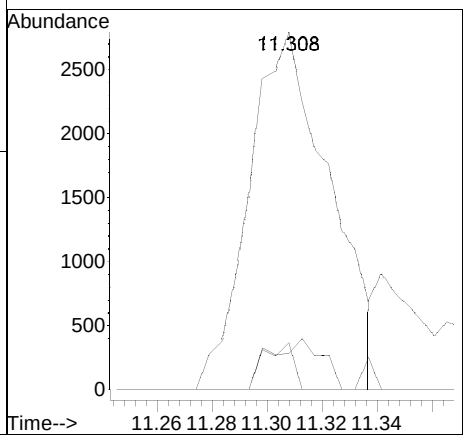


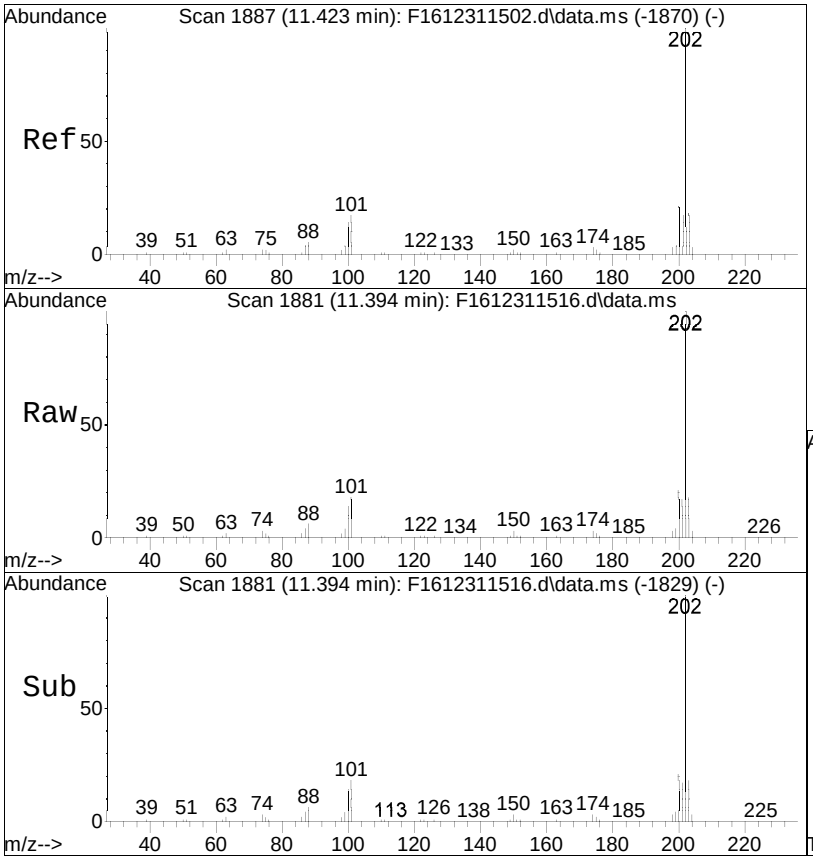


#77
Benzidine
Concen: 0.33 ug/mL
RT: 11.308 min Scan# 1863
Delta R.T. -0.019 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:184 Resp: 5687

Ion	Ratio	Lower	Upper
184	100		
183	4.9	9.0	13.4#
92	6.2	8.2	12.2#

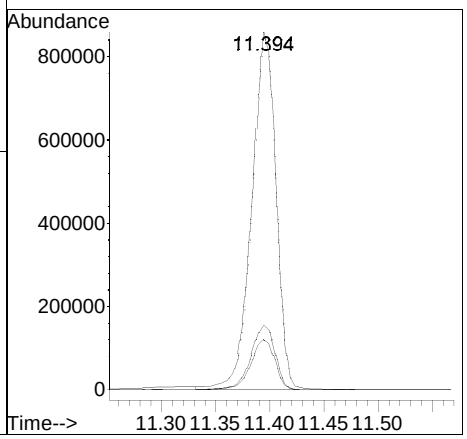


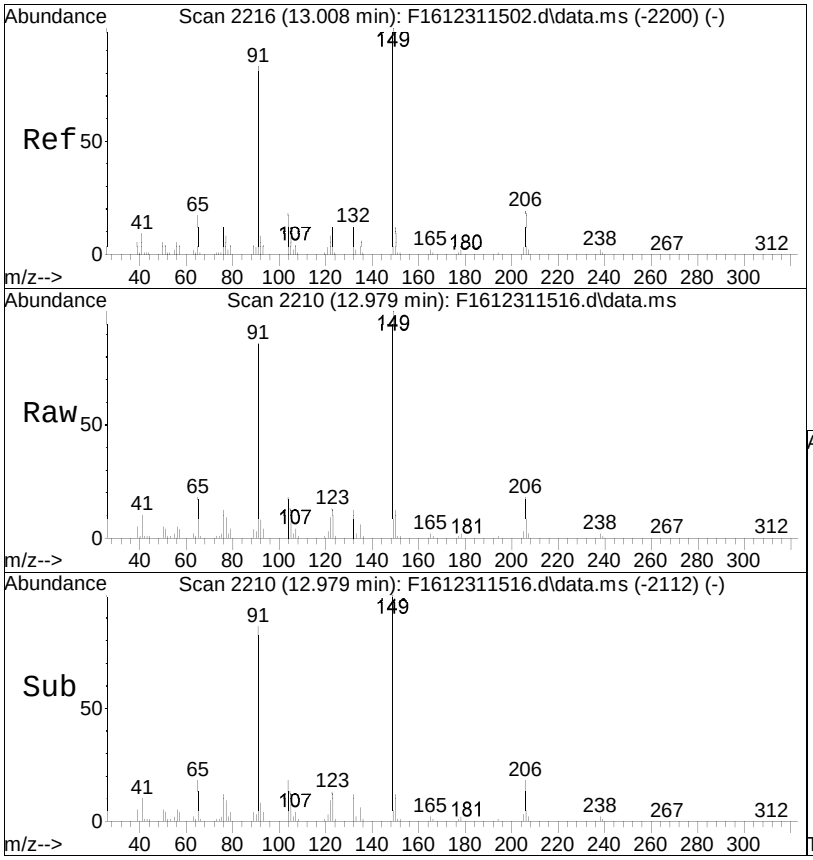


#78
Pyrene
Concen: 8.90 ug/mL
RT: 11.394 min Scan# 1881
Delta R.T. -0.029 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:202 Resp: 1317673

Ion	Ratio	Lower	Upper
202	100		
101	18.1	12.0	18.0#
100	14.1	9.3	13.9#

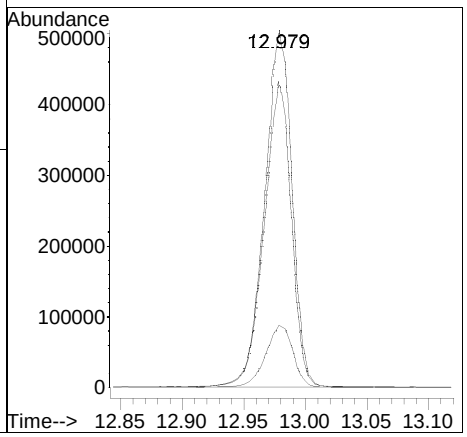


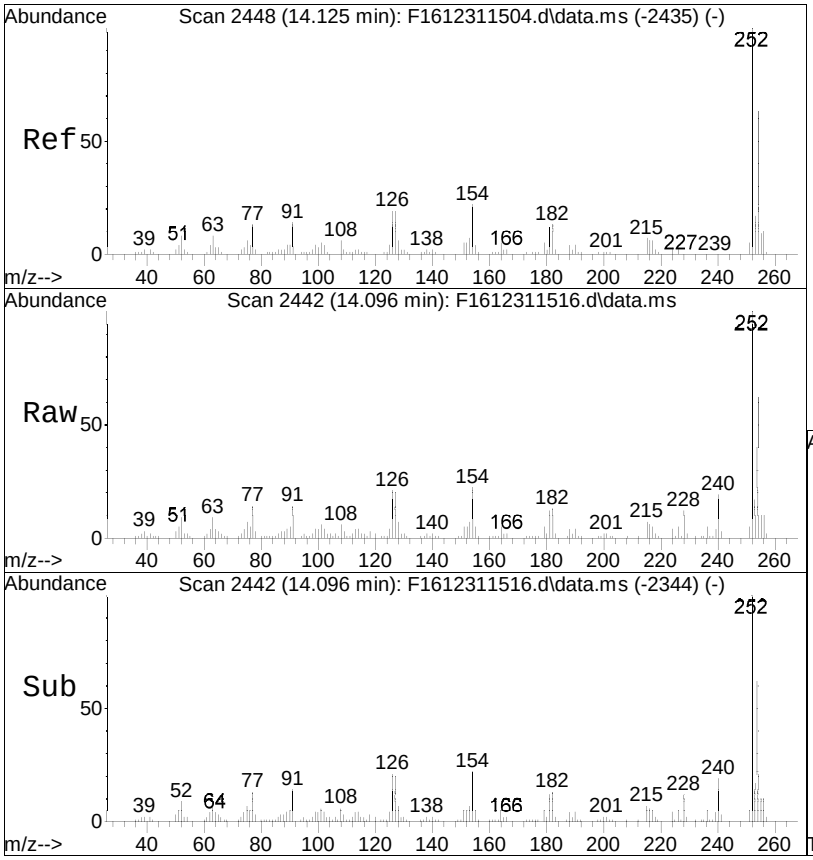


#80
Butylbenzylphthalate
Concen: 9.78 ug/mL
RT: 12.979 min Scan# 2210
Delta R.T. -0.029 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:149 Resp: 767810

Ion	Ratio	Lower	Upper
149	100		
91	84.9	57.8	86.6
206	17.8	18.3	27.5#

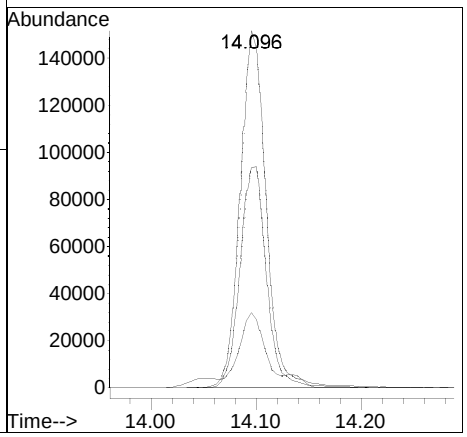


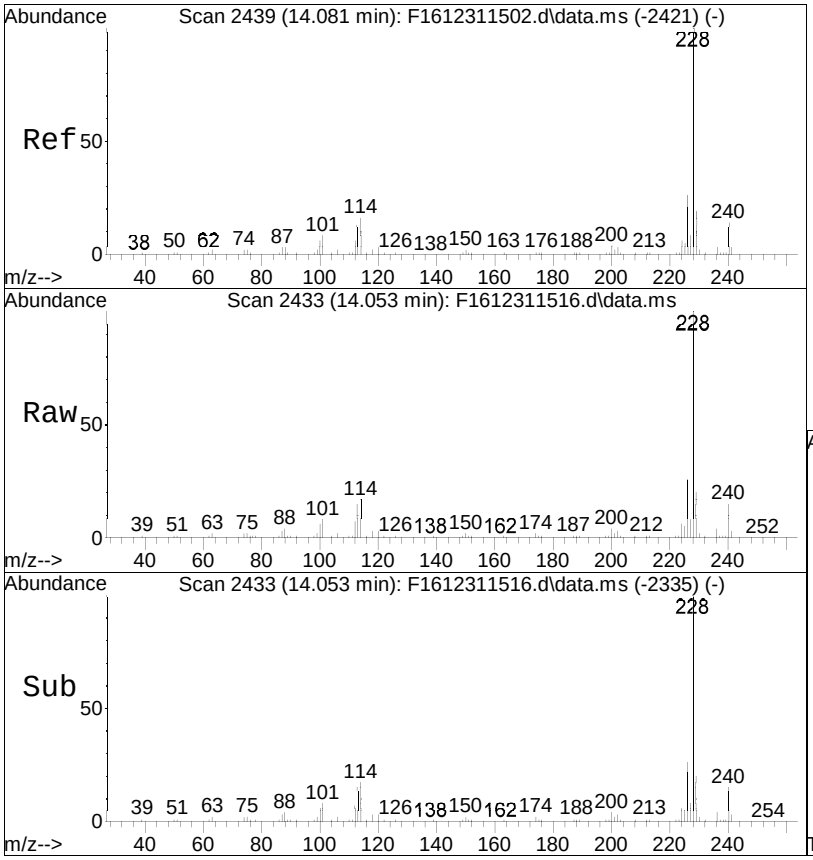


#81
3,3'-Dichlorobenzidine
Concen: 5.91 ug/mL
RT: 14.096 min Scan# 2442
Delta R.T. -0.029 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:252 Resp: 257584

Ion	Ratio	Lower	Upper
252	100		
254	63.8	50.8	76.2
126	21.0	16.4	24.6

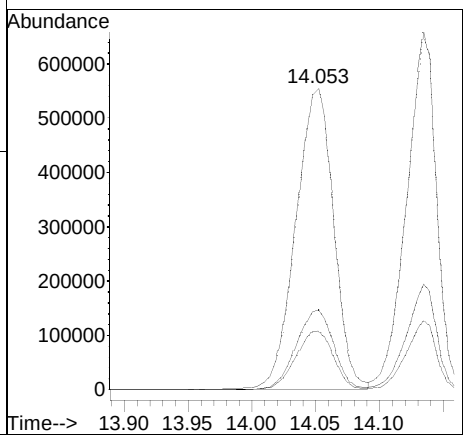


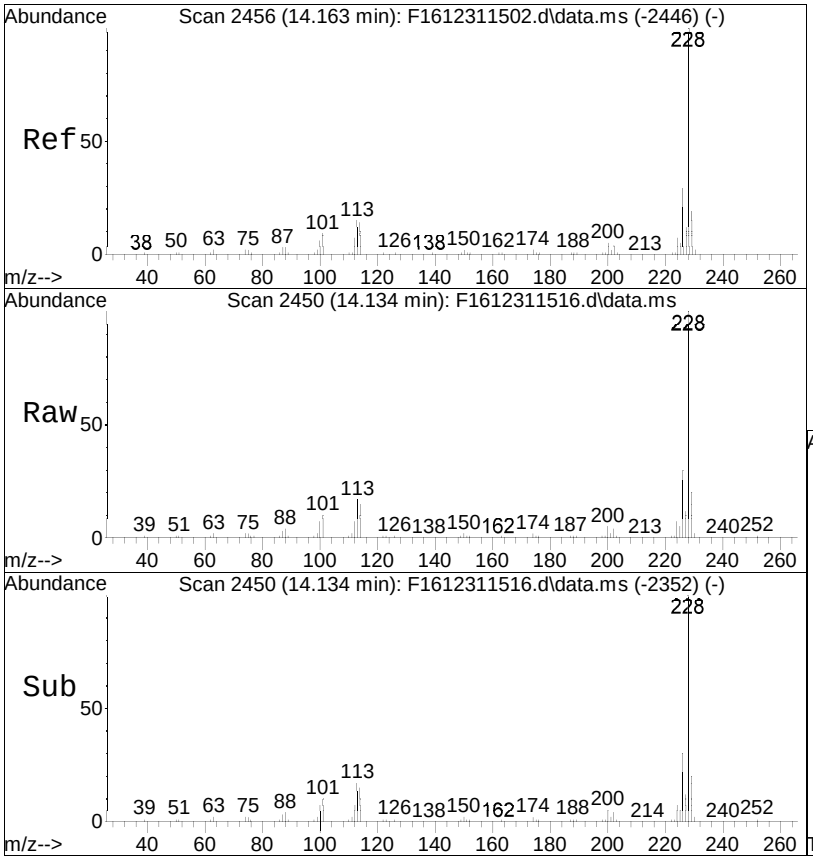


#82
Benz[a]anthracene
Concen: 8.64 ug/mL
RT: 14.053 min Scan# 2433
Delta R.T. -0.029 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:228 Resp: 1136906

Ion	Ratio	Lower	Upper
228	100		
229	19.6	16.1	24.1
226	26.3	21.3	31.9

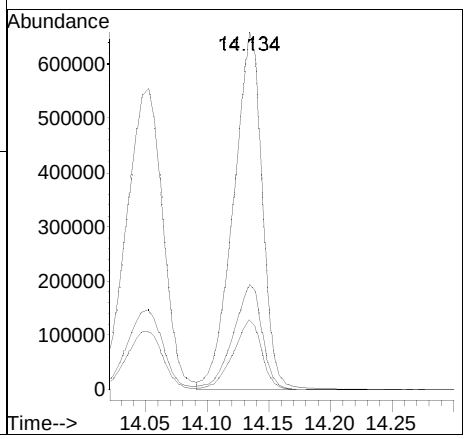


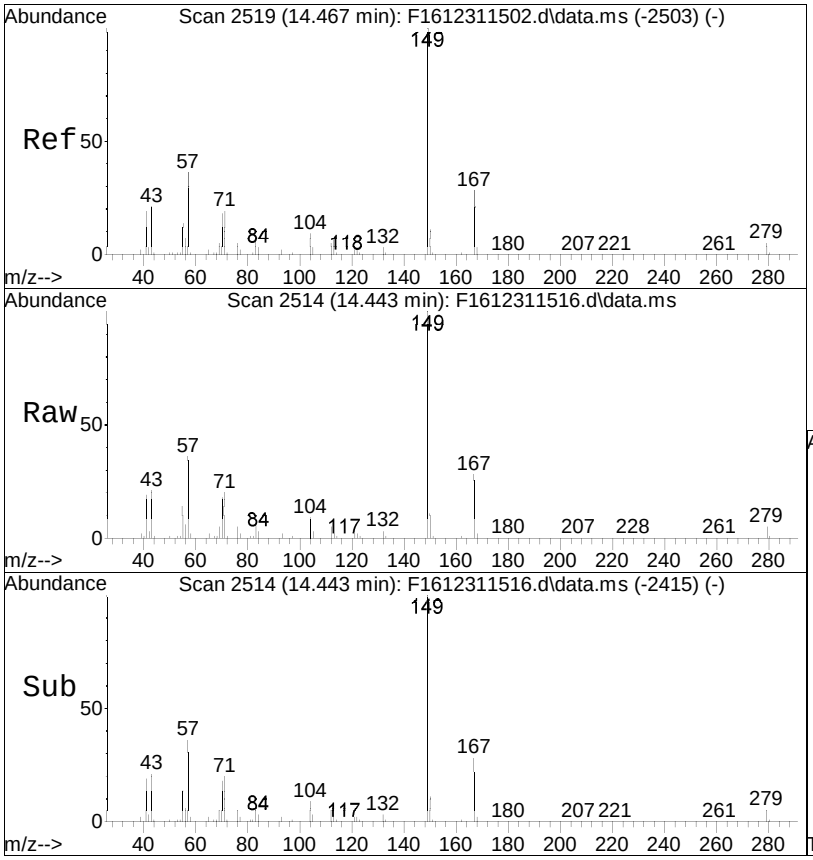


#83
Chrysene
Concen: 8.51 ug/mL
RT: 14.134 min Scan# 2450
Delta R.T. -0.029 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:228 Resp: 1067057

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.6	35.4
229	19.5	15.4	23.0

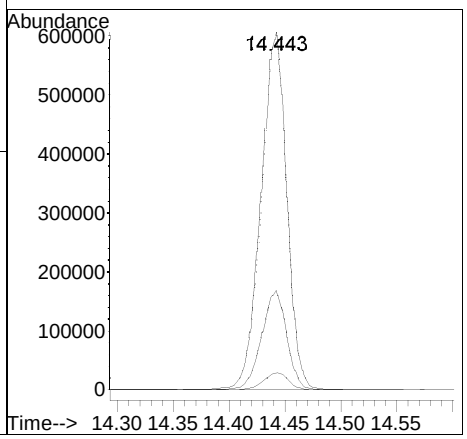


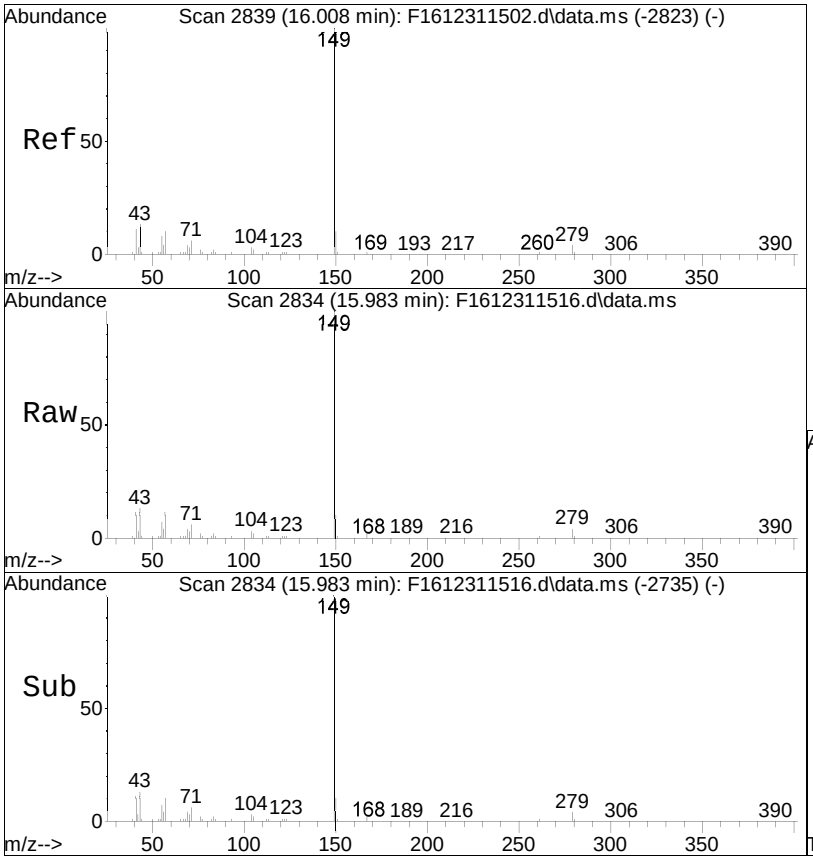


#84
bis(2-Ethylhexyl)phthalate
Concen: 9.43 ug/mL
RT: 14.443 min Scan# 2514
Delta R.T. -0.024 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:149 Resp: 960308

Ion	Ratio	Lower	Upper
149	100		
167	27.7	26.2	39.4
279	4.8	5.2	7.8#

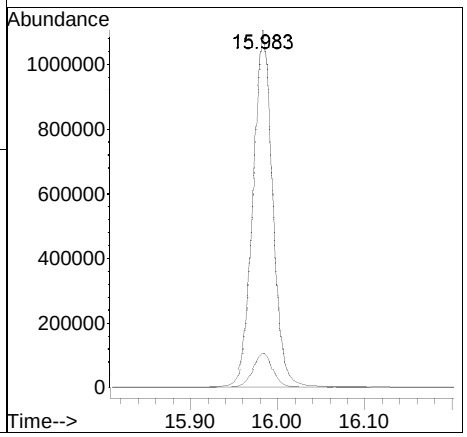


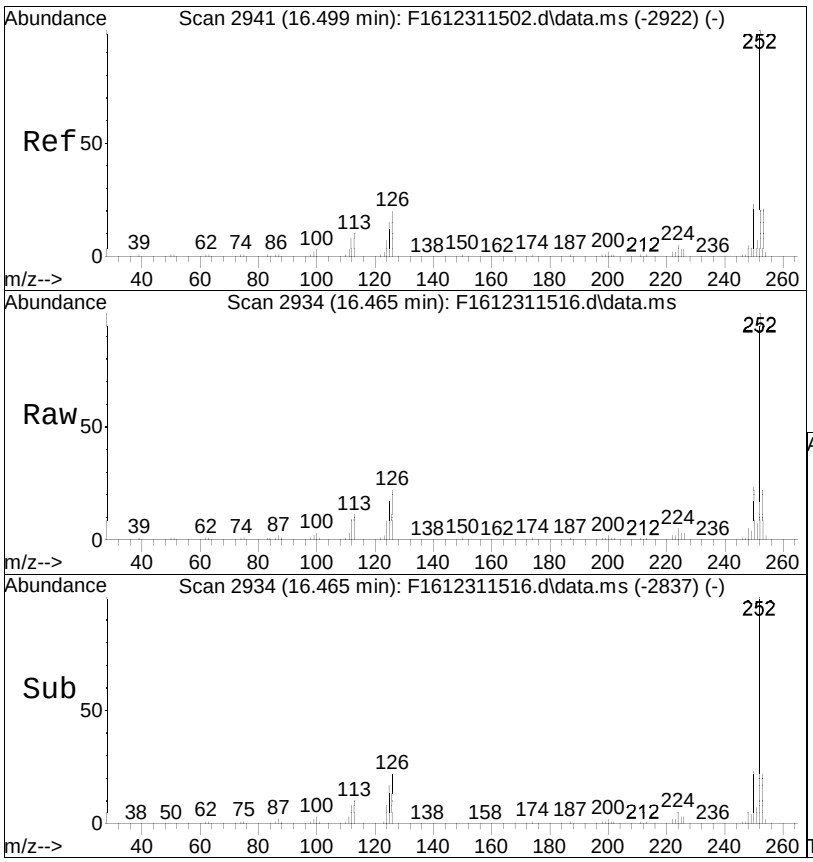


#86
Di-n-octylphthalate
Concen: 9.76 ug/mL
RT: 15.983 min Scan# 2834
Delta R.T. -0.024 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:149 Resp: 1715998

Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.9	11.9

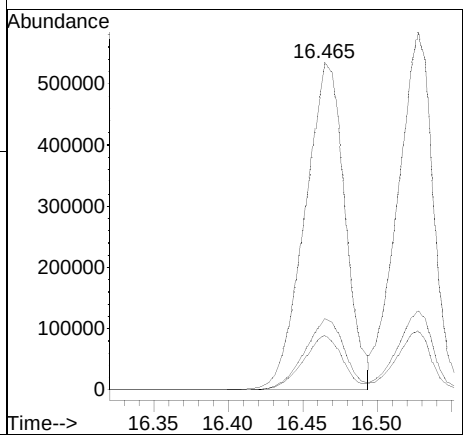


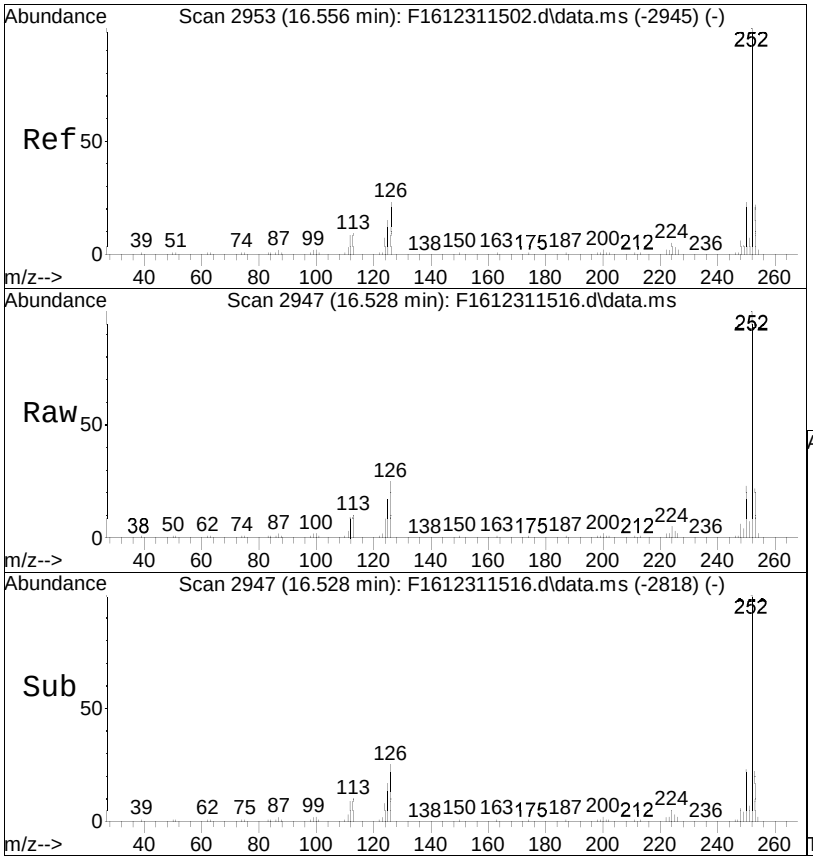


#87
Benzo[b]fluoranthene
Concen: 8.70 ug/mL
RT: 16.465 min Scan# 2934
Delta R.T. -0.034 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:252 Resp: 1001041

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0
125	16.3	10.6	16.0#

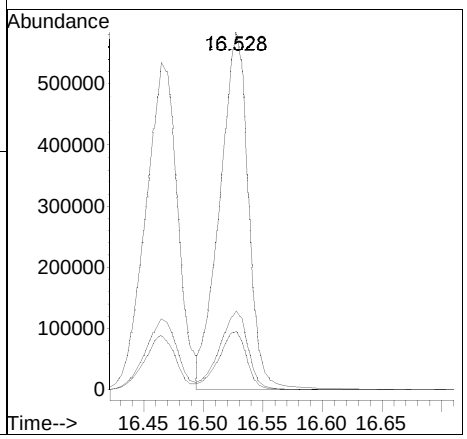


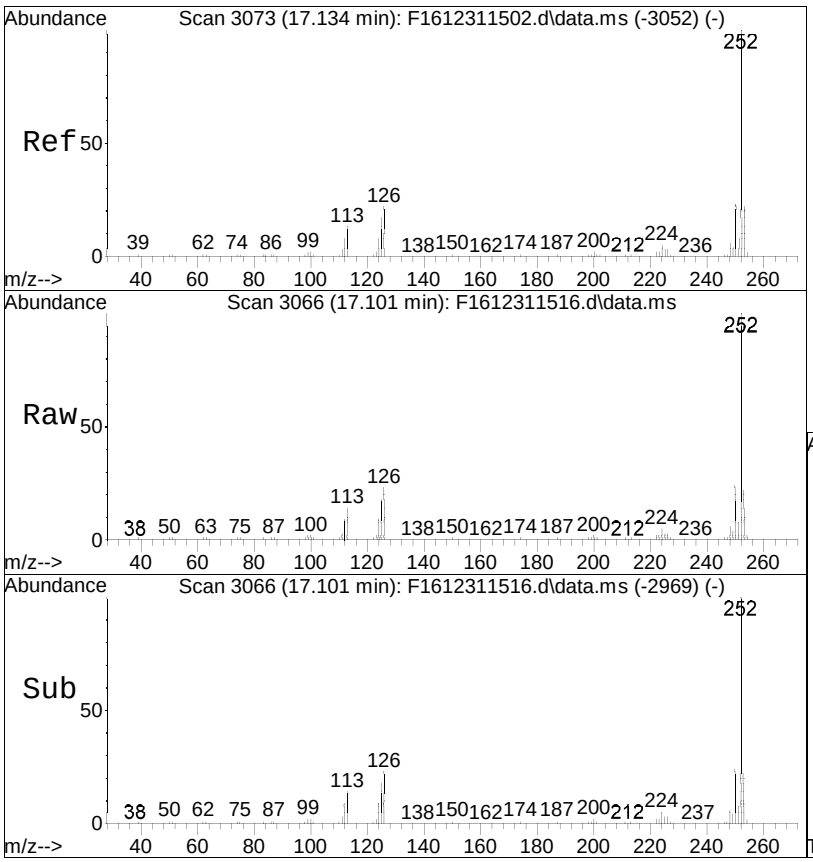


#88
Benzo[k]fluoranthene
Concen: 8.85 ug/mL
RT: 16.528 min Scan# 2947
Delta R.T. -0.029 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:252 Resp: 971904

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	16.3	10.3	15.5#

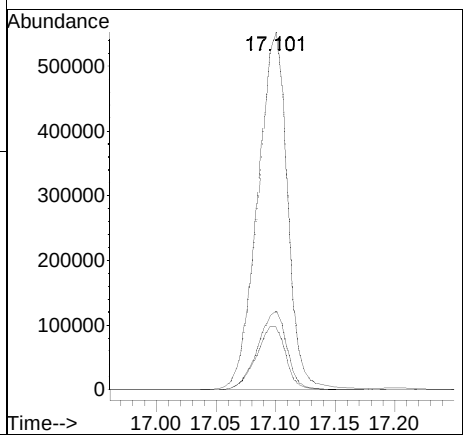


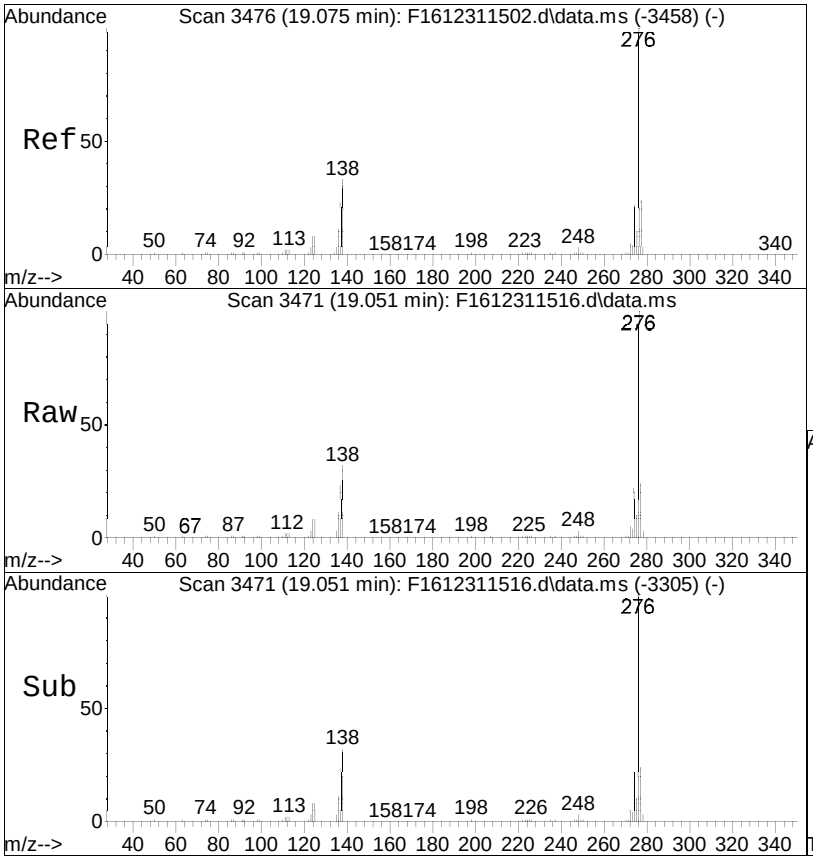


#89
Benzo[a]pyrene
Concen: 8.80 ug/mL
RT: 17.101 min Scan# 3066
Delta R.T. -0.034 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:252 Resp: 952282

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	18.0	11.4	17.2#

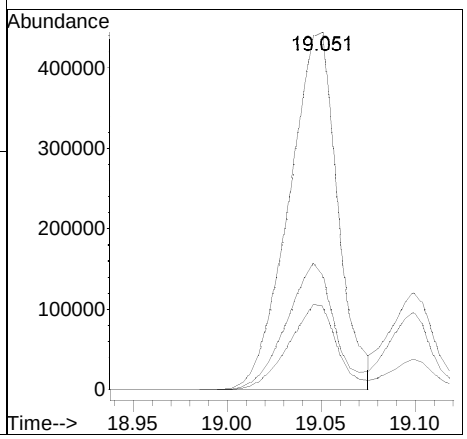


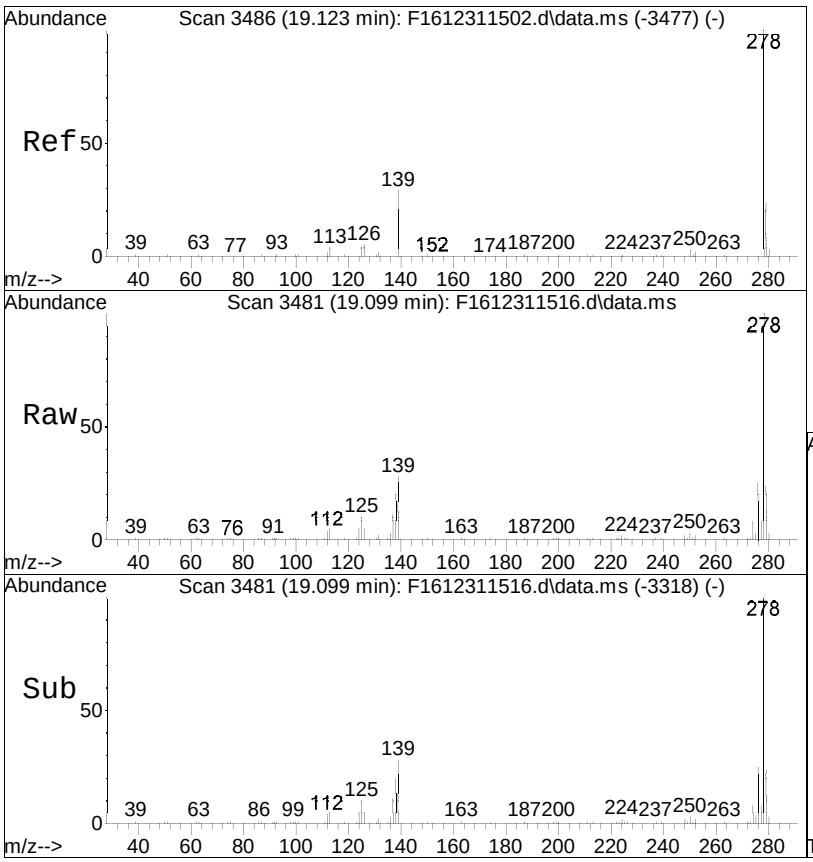


#90
Indeno[1,2,3-cd]pyrene
Concen: 8.59 ug/mL
RT: 19.051 min Scan# 3471
Delta R.T. -0.024 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:276 Resp: 797298

Ion	Ratio	Lower	Upper
276	100		
138	34.5	23.4	35.0
277	23.9	19.2	28.8

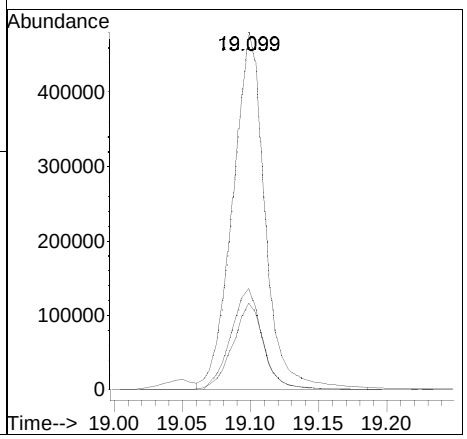


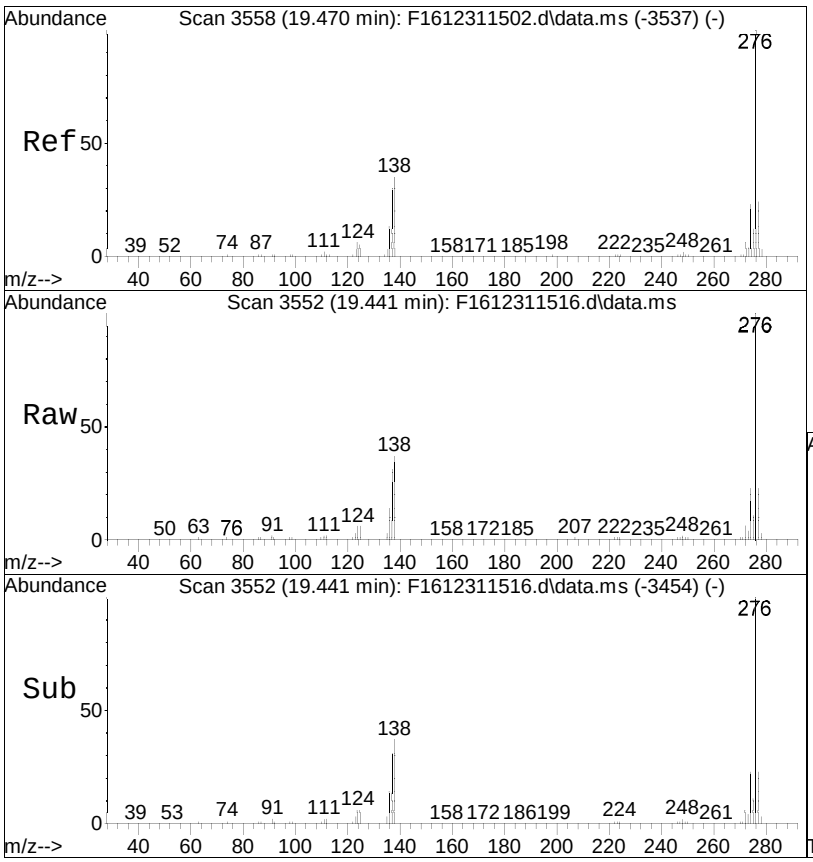


#91
Dibenz[a,h]anthracene
Concen: 8.63 ug/mL M4
RT: 19.099 min Scan# 3481
Delta R.T. -0.024 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:278 Resp: 791343

Ion	Ratio	Lower	Upper
278	100		
139	27.9	18.5	27.7#
279	24.0	18.9	28.3

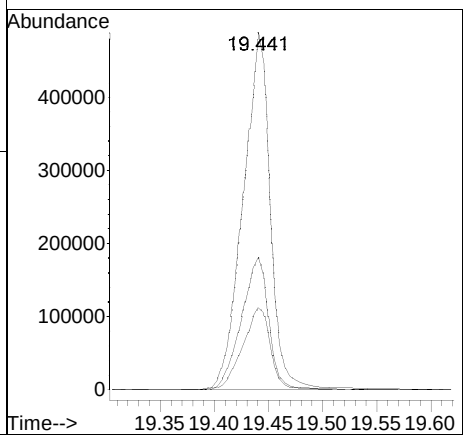




#92
Benzo[g,h,i]perylene
Concen: 8.82 ug/mL
RT: 19.441 min Scan# 3552
Delta R.T. -0.029 min
Lab File: F1612311516.d
Acq: 31 Dec 2015 7:05 pm

Tgt Ion:276 Resp: 846897

Ion	Ratio	Lower	Upper
276	100		
138	37.7	20.3	30.5#
277	24.0	19.0	28.4



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311517.d
Acq On : 31 Dec 2015 7:34 pm
Operator : PAH16:JT
Sample : WG852537-5
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 04 16:00:25 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.422	152	202556	5.000	ug/mL	-0.01
21) Naphthalene-d8	5.577	136	784512	5.000	ug/mL	-0.01
38) Acenaphthene-d10	7.272	164	378371	5.000	ug/mL	-0.01
61) Phenanthrene-d10	8.972	188	692892	5.000	ug/mL	-0.01
76) Chrysene-d12	14.072	240	589342	5.000	ug/mL	-0.02
85) Perylene-d12	17.206	264	484262	5.000	ug/mL	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	3.382	112	417543	7.361	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 36.81%			
8) Phenol-d5	4.114	99	392017	5.125	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 25.62%			
22) Nitrobenzene-d5	4.918	82	980468	14.809	ug/mL	-0.01
Spiked Amount 20.000	Range 35 - 114		Recovery = 74.04%			
43) 2-Fluorobiphenyl	6.622	172	1545902	14.415	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 72.08%			
65) 2,4,6-Tribromophenol	8.101	330	158203	17.217	ug/mL	-0.01
Spiked Amount 20.000	Range 10 - 123		Recovery = 86.08%			
79) Terphenyl-d14	11.808	244	1582406	18.039	ug/mL	-0.02
Spiked Amount 20.000	Range 33 - 141		Recovery = 90.20%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.452	74	148884	4.365	ug/mL#	70
3) Pyridine	2.472	79	200910	3.228	ug/mL#	74
5) Benzaldehyde	4.061	77	307188	6.578	ug/ml	97
6) Aniline	4.147	93	452606M4	5.228	ug/ml	
7) bis(2-Chloroethyl)ether	4.195	63	335768	7.017	ug/mL	85
9) Phenol	4.123	94	212705	2.690	ug/mL#	76
10) 2-Chlorophenol	4.244	128	389418	6.223	ug/mL#	91
11) 1,3-Dichlorobenzene	4.374	146	239001	3.549	ug/mL	99
12) 1,4-Dichlorobenzene	4.436	146	245582M4	3.622	ug/mL	
13) 1,2-Dichlorobenzene	4.566	146	241132	3.785	ug/mL	100
14) Benzyl alcohol	4.547	108	261389	6.591	ug/mL	90
15) bis(2-chloroisopropyl)eth	4.658	45	671803	7.275	ug/mL#	54
16) 2-Methylphenol	4.643	108	320402	5.825	ug/mL	100
17) Acetophenone	4.783	105	605295	8.473	ug/ml#	79
18) Hexachloroethane	4.865	117	98017	3.445	ug/mL#	81
19) N-Nitroso-di-n-propylamin	4.778	70	369268	7.776	ug/mL#	86
20) 4-Methylphenol	4.783	108	342703	5.730	ug/mL	99
23) Nitrobenzene	4.937	77	499360	7.241	ug/mL	94

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311517.d
Acq On : 31 Dec 2015 7:34 pm
Operator : PAH16:JT
Sample : WG852537-5
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 04 16:00:25 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.154	82	830009	8.108	ug/mL	97
25) 2-Nitrophenol	5.226	139	226223	7.061	ug/mL#	82
26) 2,4-Dimethylphenol	5.269	107	350005	7.128	ug/mL	96
27) Benzoic acid	5.404	105	687193M4	15.740	ug/mL	
28) bis(2-Chloroethoxy)methan	5.356	93	534251	7.775	ug/mL	99
29) 2,4-Dichlorophenol	5.452	162	332410	7.425	ug/mL	96
30) 1,2,4-Trichlorobenzene	5.525	180	191129	4.003	ug/mL	97
31) Naphthalene	5.597	128	889253	5.059	ug/mL	100
32) 2-Chloroaniline	5.192	127	622251	6.843	ug/ml	100
33) 4-Chloroaniline	5.659	127	400957	5.627	ug/mL#	1
34) Hexachlorobutadiene	5.712	225	84143	3.506	ug/mL	99
35) Caprolactam	5.992	113	42731M4	2.660	ug/ml	
36) 4-Chloro-3-methylphenol	6.131	107	419357	8.034	ug/mL	98
37) 2-Methylnaphthalene	6.261	142	578742	5.074	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.420	216	179566	4.345	ug/mL	99
40) Hexachlorocyclopentadiene	6.406	237	75166	4.253	ug/mL	99
41) 2,4,6-Trichlorophenol	6.541	196	236839	8.178	ug/mL	100
42) 2,4,5-Trichlorophenol	6.579	196	246089	8.192	ug/mL	99
44) Biphenyl	6.714	154	845034	7.045	ug/ml	99
45) 2-Chloronaphthalene	6.733	162	535421	5.537	ug/mL#	90
46) 2-Nitroaniline	6.844	65	334017	9.044	ug/mL#	79
47) Acenaphthylene	7.133	152	1146270	6.880	ug/mL	99
48) Dimethylphthalate	7.022	163	900098	8.560	ug/mL	99
49) 2,6-Dinitrotoluene	7.085	165	210136	8.541	ug/mL#	78
50) Acenaphthene	7.306	153	697806	6.659	ug/mL	99
51) 3-Nitroaniline	7.248	138	203525	7.093	ug/mL	84
52) 2,4-Dinitrophenol	7.354	184	157826	9.158	ug/mL#	71
53) Dibenzofuran	7.475	168	949072	7.097	ug/mL	88
54) 2,3,4,6-Tetrachlorophenol	7.605	232	173191	8.772	#	93
55) 2,4-Dinitrotoluene	7.480	165	305533	8.982	ug/mL#	40
56) 4-Nitrophenol	7.436	109	67896	4.263	ug/mL#	77
57) Fluorene	7.831	166	862189	7.831	ug/mL	98
58) 4-Chlorophenyl-phenylethe	7.836	204	350497	7.379	ug/mL	91
59) Diethylphthalate	7.725	149	1029447	9.098	ug/mL	96
60) 4-Nitroaniline	7.870	138	229396	8.275	ug/mL#	78
62) 4,6-Dinitro-2-methylpheno	7.903	198	175540	8.939	ug/mL#	100
63) Azobenzene	8.009	182	245834	8.137	ug/mL	49
64) n-Nitrosodiphenylamine	7.971	169	654687	8.596	ug/mL	100
66) 4-Bromophenyl-phenylether	8.394	248	185111	7.966	ug/mL#	87
67) Hexachlorobenzene	8.457	284	186088	8.052	ug/mL#	79
68) Atrazine	8.630	200	231790	9.012	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311517.d
Acq On : 31 Dec 2015 7:34 pm
Operator : PAH16:JT
Sample : WG852537-5
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 04 16:00:25 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	8.722	266	149374	9.025	ug/mL	100
70) Pentachloronitrobenzene	8.732	237	109222	9.555	ug/ml	97
71) Phenanthrene	9.006	178	1313222	8.680	ug/mL	100
72) Anthracene	9.078	178	1269604	8.616	ug/mL	99
73) Carbazole	9.333	167	1321472	9.214	ug/mL	98
74) Di-n-butylphthalate	9.935	149	1641939	9.275	ug/mL#	98
75) Fluoranthene	10.966	202	1305798	8.791	ug/mL	95
77) Benzidine	11.298	184	130860	1.410	ug/mL	99
78) Pyrene	11.399	202	1348895	9.129	ug/mL#	93
80) Butylbenzylphthalate	12.979	149	772284	9.859	ug/mL#	86
81) 3,3'-Dichlorobenzidine	14.101	252	291441	6.696	ug/mL	100
82) Benz[a]anthracene	14.052	228	1166144	8.880	ug/mL	99
83) Chrysene	14.134	228	1106397	8.840	ug/mL	99
84) bis(2-Ethylhexyl)phthalat	14.442	149	977616	9.620	ug/mL#	92
86) Di-n-octylphthalate	15.983	149	1748093	10.210	ug/mL	100
87) Benzo[b]fluoranthene	16.470	252	1025442	9.154	ug/mL#	97
88) Benzo[k]fluoranthene	16.527	252	994972	9.297	ug/mL#	97
89) Benzo[a]pyrene	17.101	252	984071	9.342	ug/mL#	97
90) Indeno[1,2,3-cd]pyrene	19.046	276	818507	9.050	ug/mL	94
91) Dibenz[a,h]anthracene	19.099	278	811224M4	9.088	ug/mL	
92) Benzo[g,h,i]perylene	19.441	276	866403	9.263	ug/mL#	87

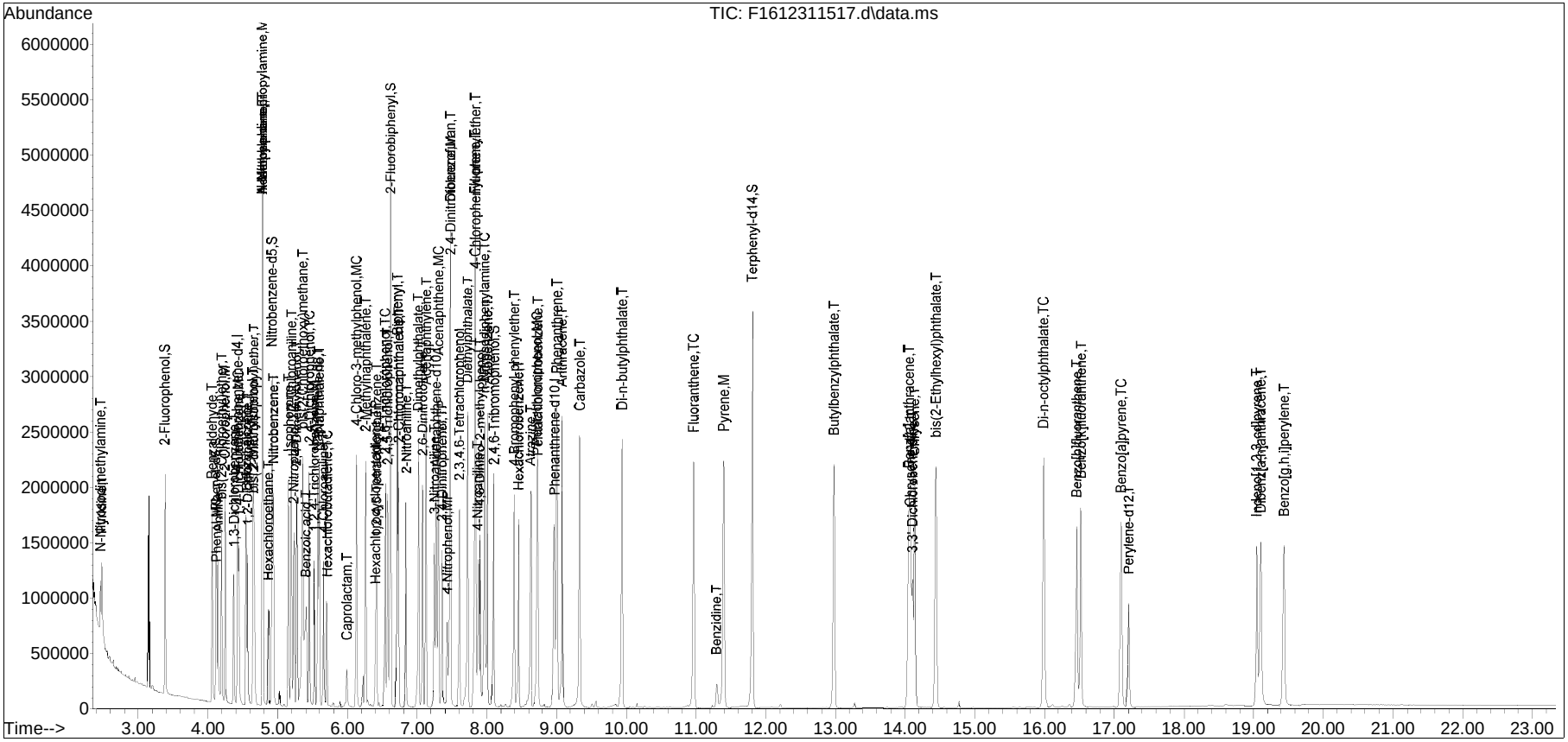
(#) = qualifier out of range (m) = manual integration (+) = signals summed

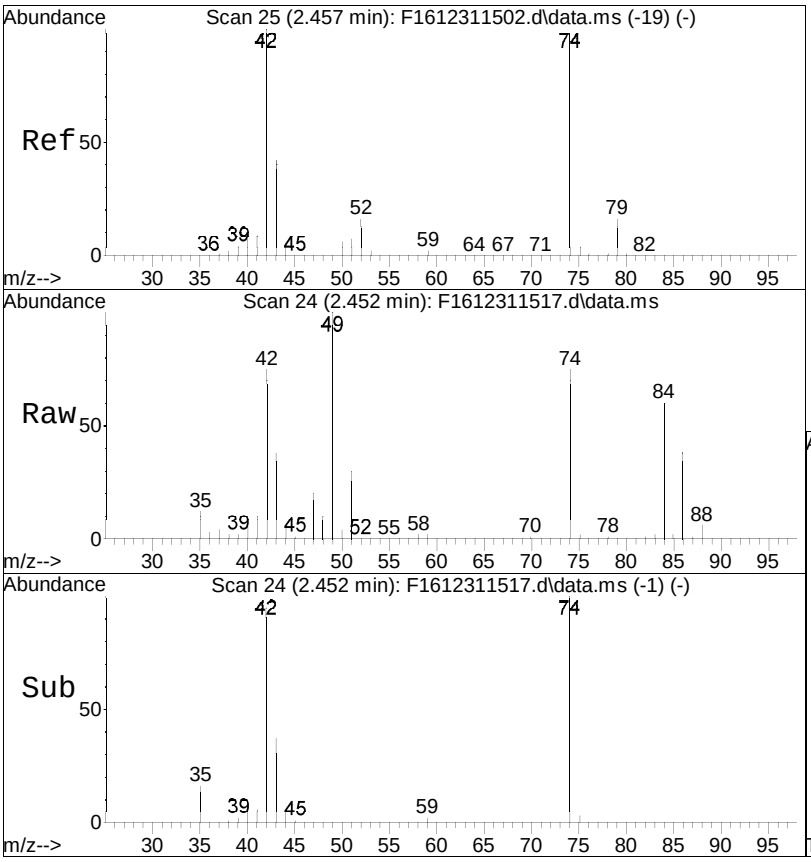
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH16\2015\Dec\DEC31\
Data File : F1612311517.d
Acq On : 31 Dec 2015 7:34 pm
Operator : PAH16:JT
Sample : WG852537-5
Misc : WG854333,WG852537,ICAL11866
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 04 16:00:25 2016
Quant Method : O:\Organics\DATA\PAH16\2015\Dec\DEC31\SV1205PAH16.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 31 12:51:34 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

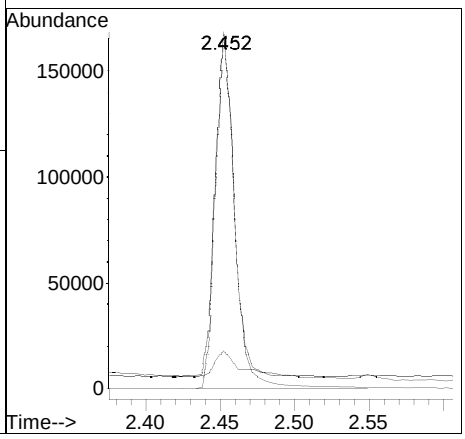


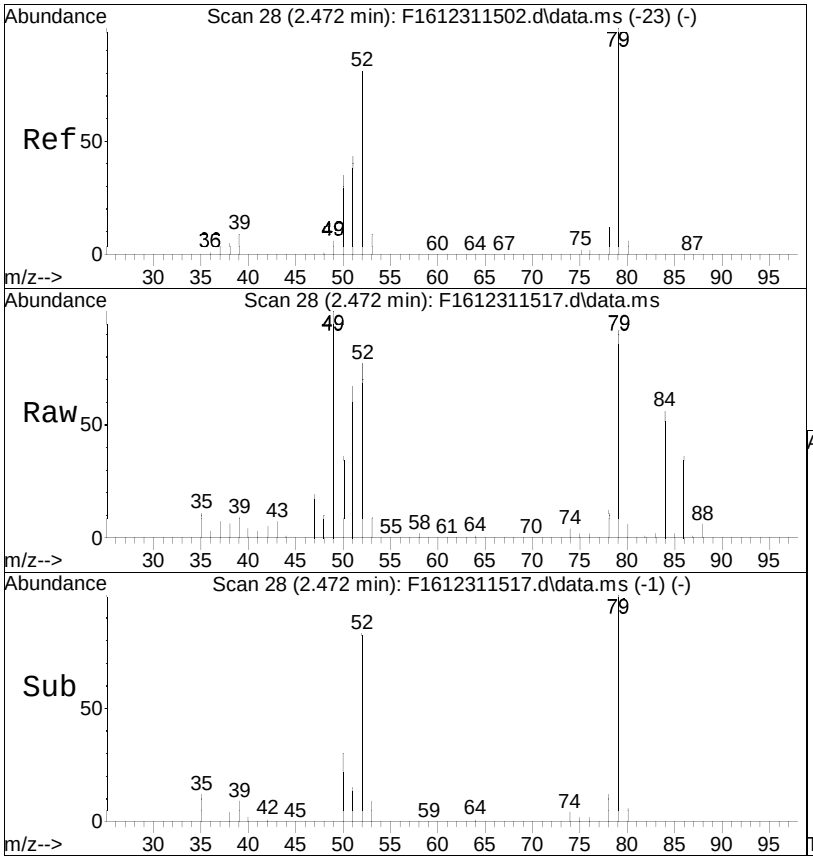


#2
N-Nitrosodimethylamine
Concen: 4.37 ug/mL
RT: 2.452 min Scan# 24
Delta R.T. -0.005 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion: 74 Resp: 148884

Ion	Ratio	Lower	Upper
74	100		
42	94.7	55.2	82.8#
40	7.7	4.4	6.6#

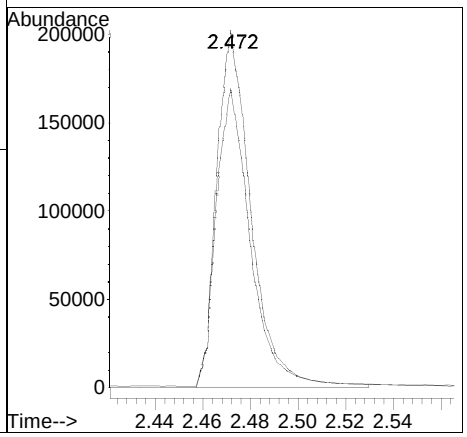


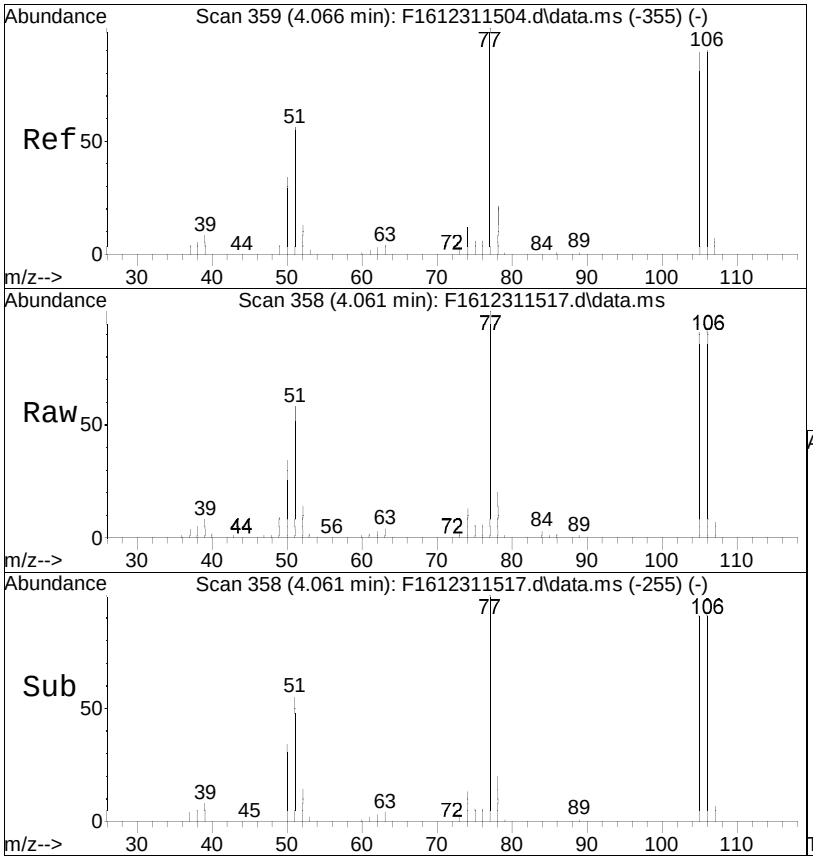


#3
Pyridine
Concen: 3.23 ug/mL
RT: 2.472 min Scan# 28
Delta R.T. -0.000 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion: 79 Resp: 200910

Ion	Ratio	Lower	Upper
79	100		
52	82.2	49.5	74.3#

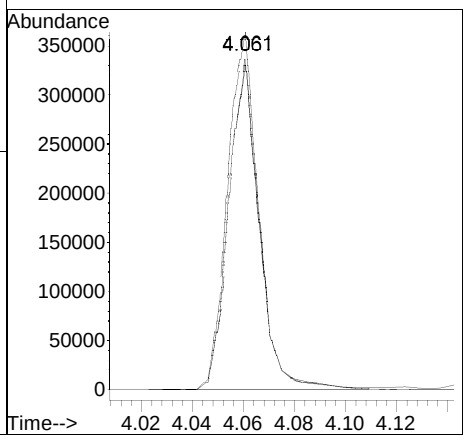


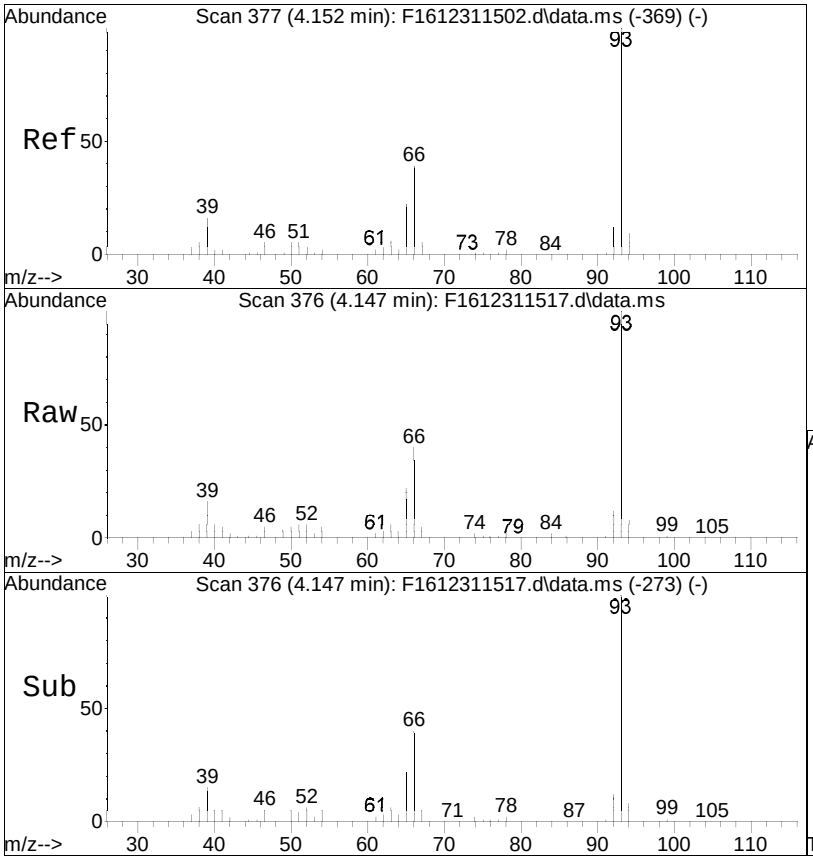


#5
Benzaldehyde
Concen: 6.58 ug/ml
RT: 4.061 min Scan# 358
Delta R.T. -0.005 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion: 77 Resp: 307188

Ion	Ratio	Lower	Upper
77	100		
105	89.7	73.7	110.5
106	90.7	75.9	113.9

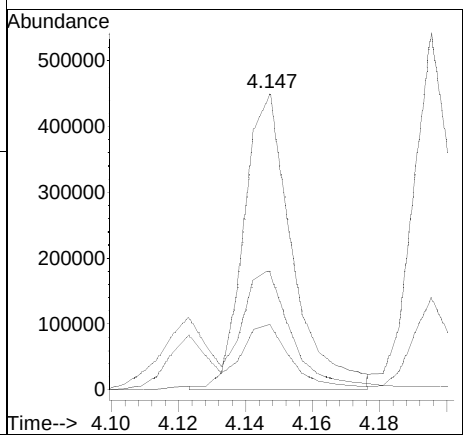


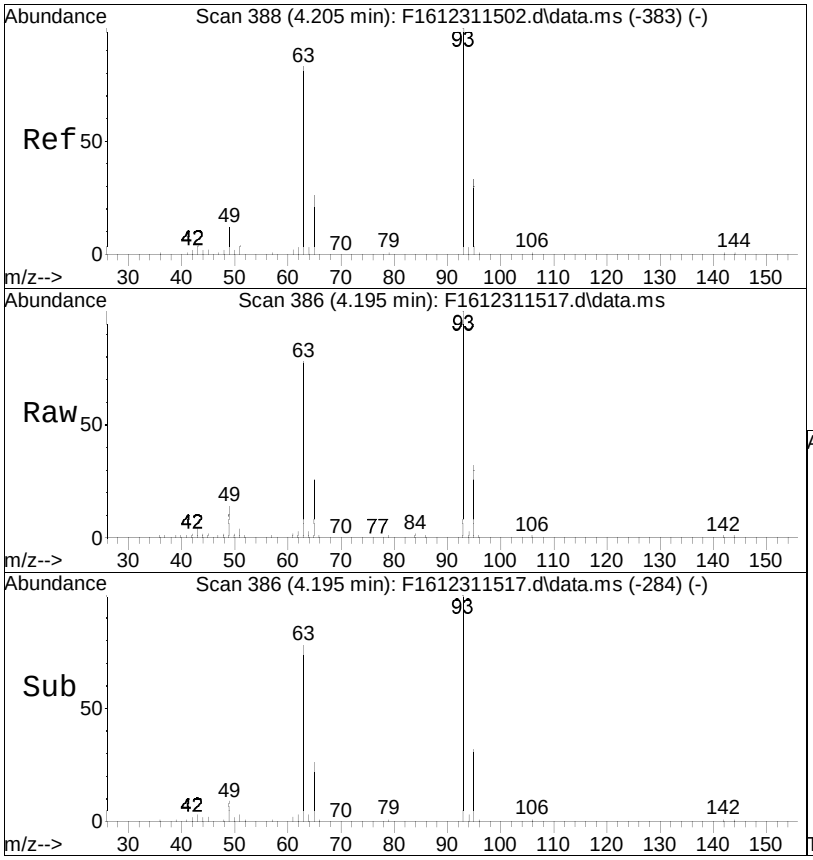


#6
Aniline
Concen: 5.23 ug/ml M4
RT: 4.147 min Scan# 376
Delta R.T. -0.005 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion: 93 Resp: 452606

Ion	Ratio	Lower	Upper
93	100		
66	42.9	220.7	331.1#
65	22.3	23.4	35.2#

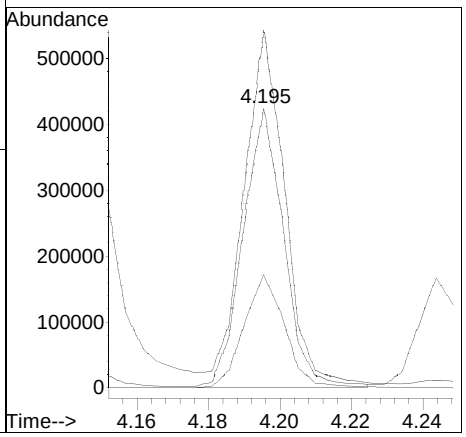


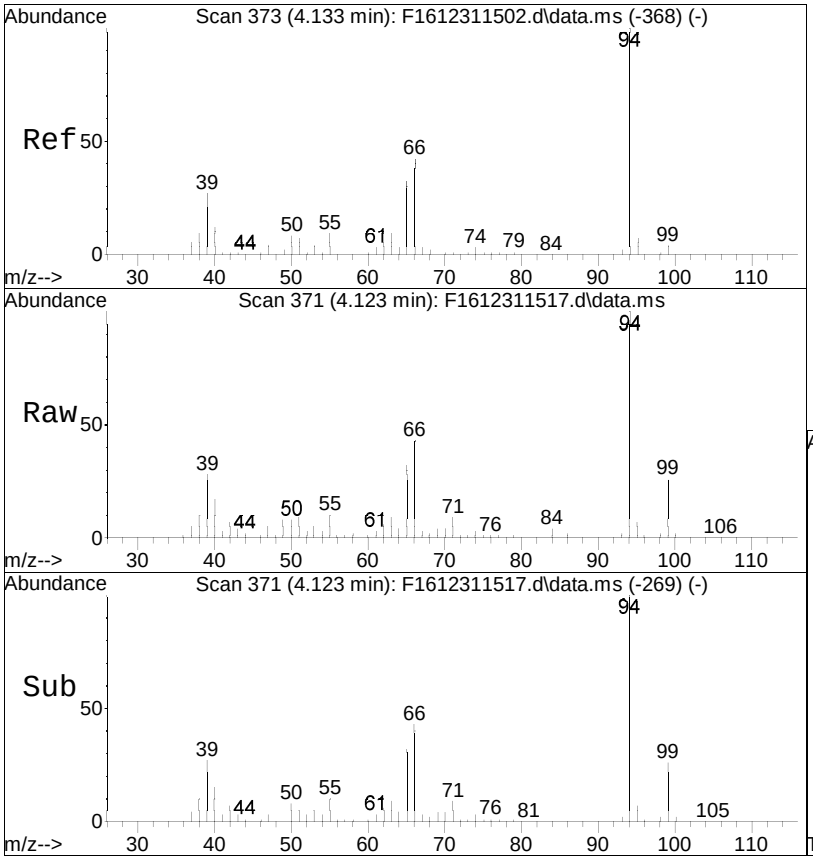


#7
bis(2-Chloroethyl)ether
Concen: 7.02 ug/mL
RT: 4.195 min Scan# 386
Delta R.T. -0.010 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion: 63 Resp: 335768

Ion	Ratio	Lower	Upper
63	100		
93	128.2	118.5	177.7
95	40.2	38.8	58.2

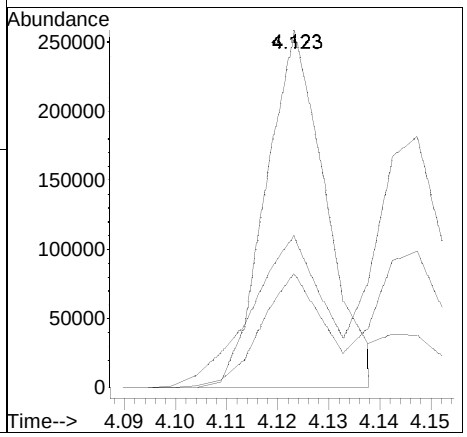


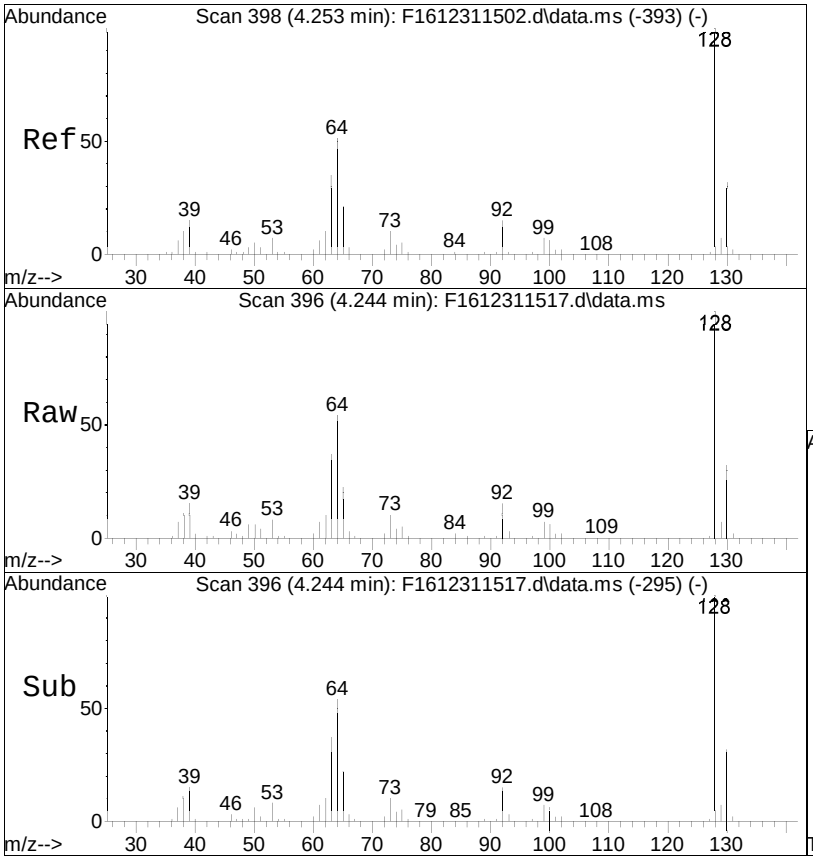


#9
Phenol
Concen: 2.69 ug/mL
RT: 4.123 min Scan# 371
Delta R.T. -0.010 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion: 94 Resp: 212705

Ion	Ratio	Lower	Upper
94	100		
66	51.6	27.5	41.3#
65	33.6	20.7	31.1#

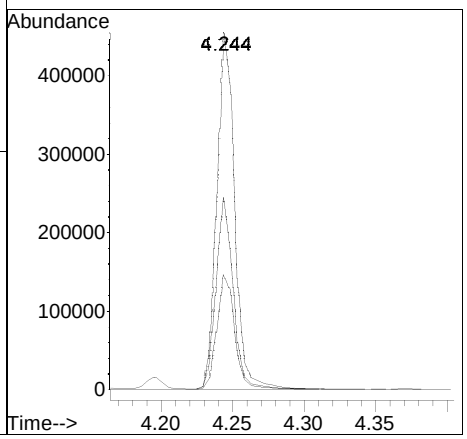


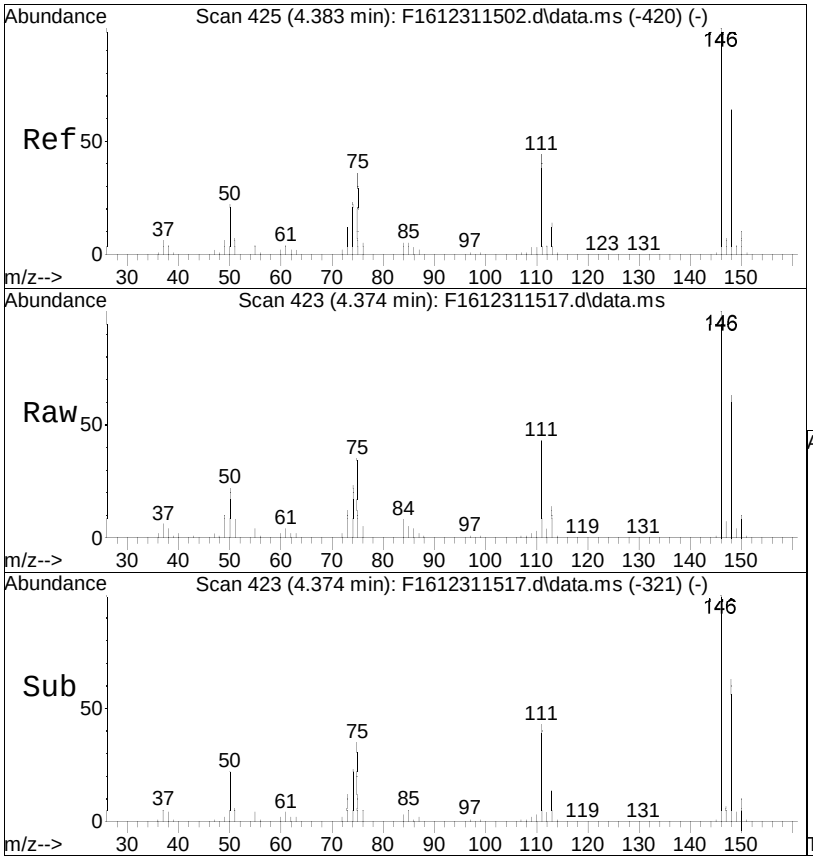


#10
2-Chlorophenol
Concen: 6.22 ug/mL
RT: 4.244 min Scan# 396
Delta R.T. -0.010 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:128 Resp: 389418

Ion	Ratio	Lower	Upper
128	100		
64	51.7	33.1	49.7#
130	32.3	25.7	38.5

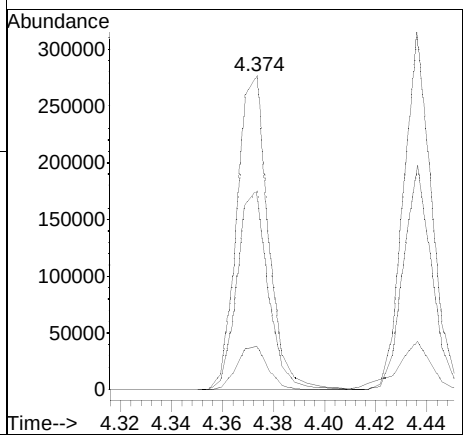


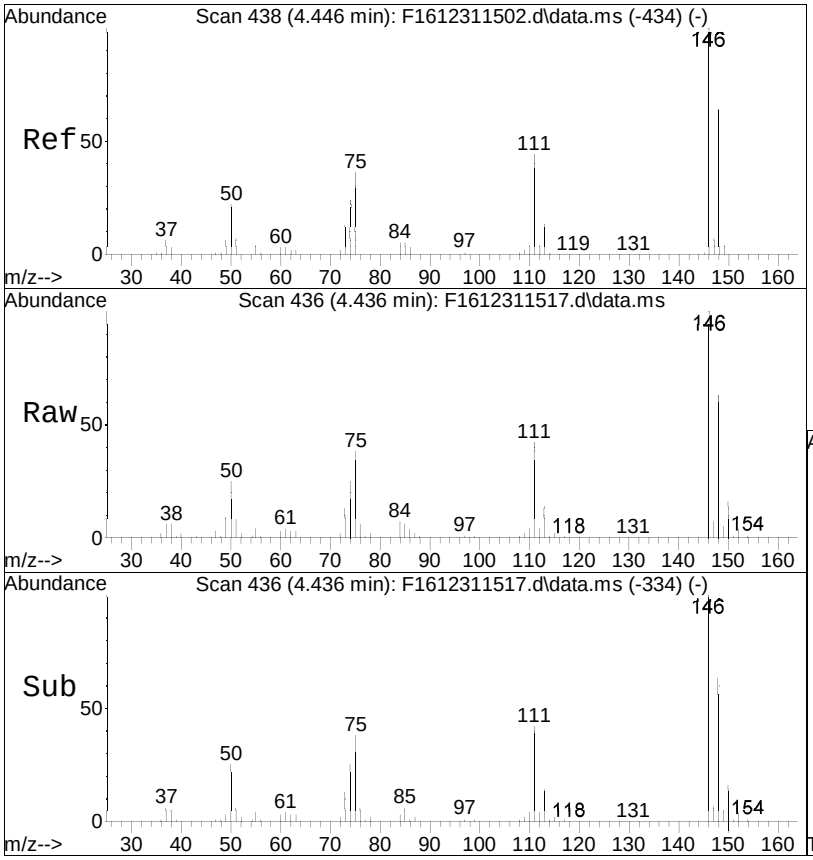


#11
1,3-Dichlorobenzene
Concen: 3.55 ug/mL
RT: 4.374 min Scan# 423
Delta R.T. -0.010 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:146 Resp: 239001

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.2	76.8
113	14.0	10.6	16.0

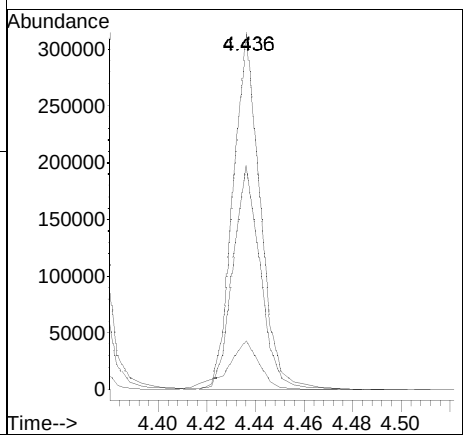


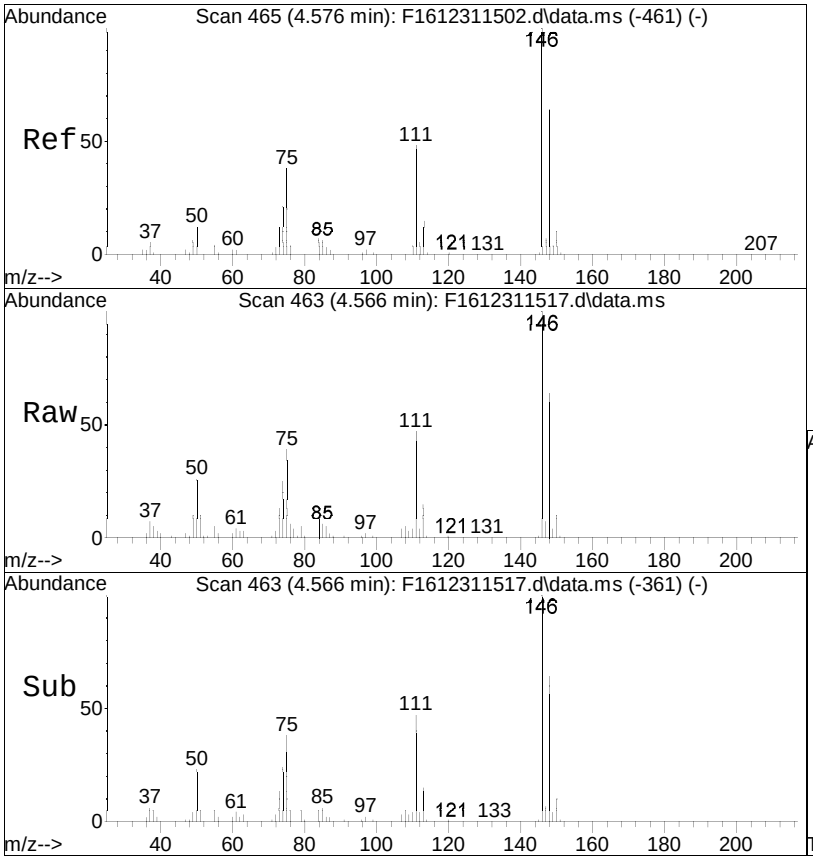


#12
1,4-Dichlorobenzene
Concen: 3.62 ug/mL M4
RT: 4.436 min Scan# 436
Delta R.T. -0.010 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:146 Resp: 245582

Ion	Ratio	Lower	Upper
146	100		
148	61.6	50.6	76.0
113	13.7	10.6	15.8

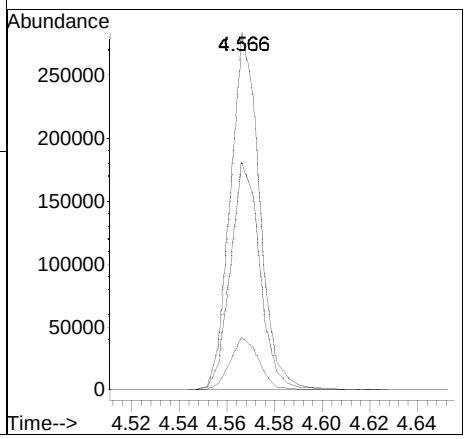


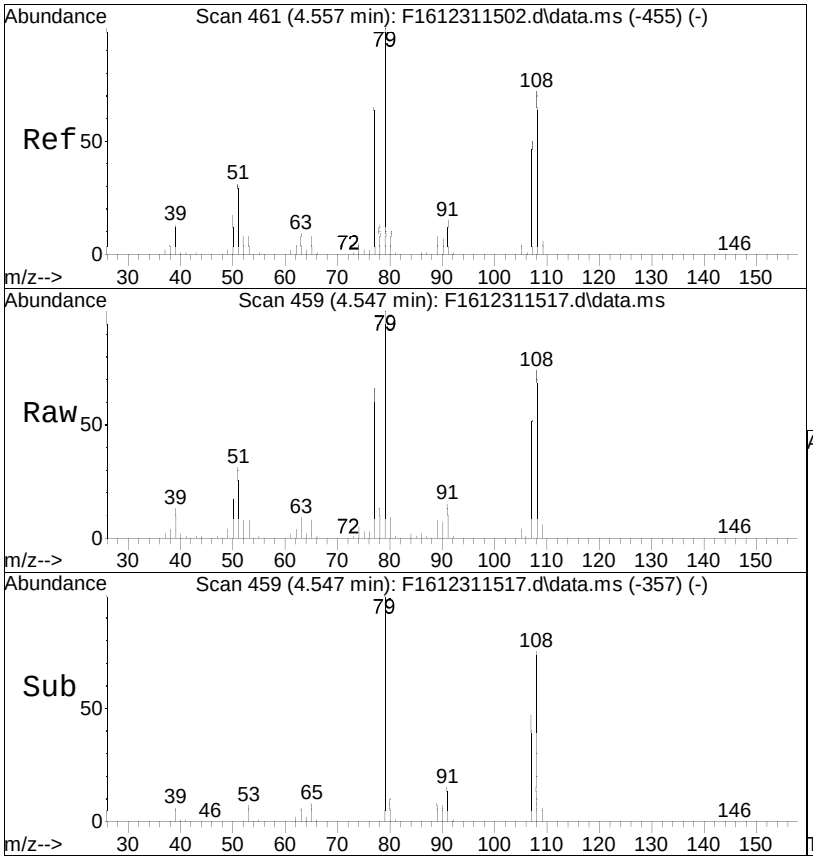


#13
1,2-Dichlorobenzene
Concen: 3.79 ug/mL
RT: 4.566 min Scan# 463
Delta R.T. -0.010 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:146 Resp: 241132

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.3	76.9
113	14.7	11.2	16.8

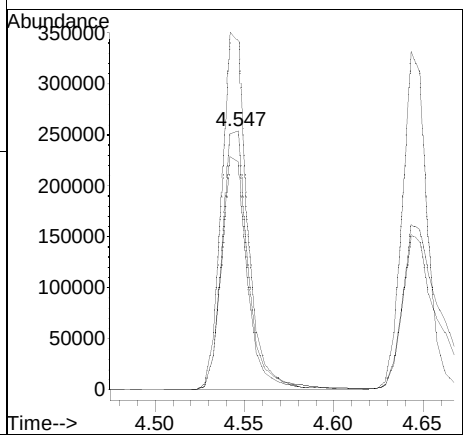


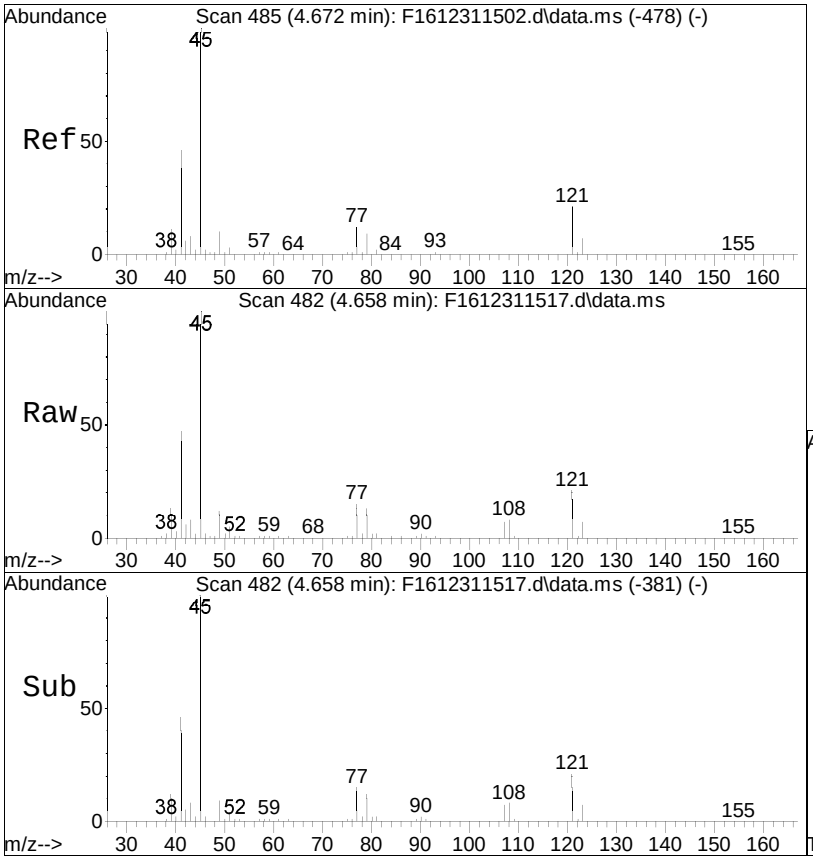


#14
Benzyl alcohol
Concen: 6.59 ug/mL
RT: 4.547 min Scan# 459
Delta R.T. -0.010 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:108 Resp: 261389

Ion	Ratio	Lower	Upper
108	100		
79	135.4	100.0	150.0
77	88.2	62.3	93.5

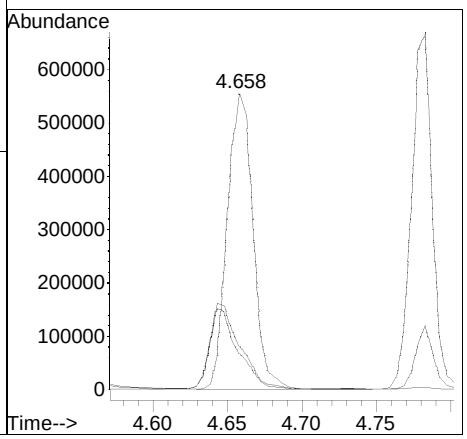


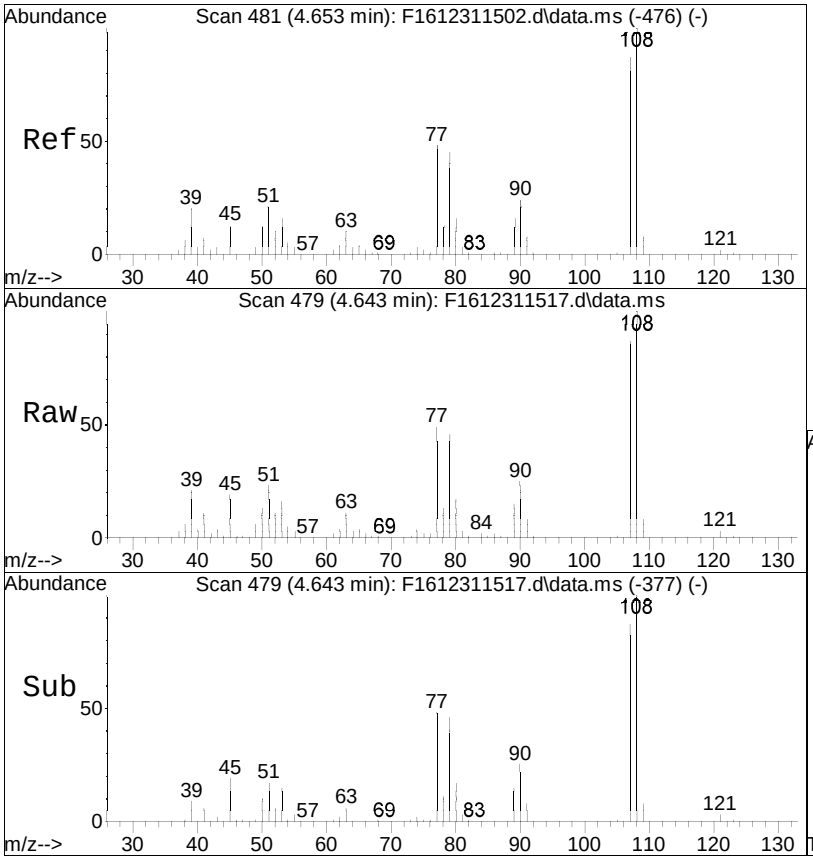


#15
bis(2-chloroisopropyl)ether
Concen: 7.27 ug/mL
RT: 4.658 min Scan# 482
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion: 45 Resp: 671803

Ion	Ratio	Lower	Upper
45	100		
77	33.4	11.8	17.6#
79	29.5	9.4	14.0#

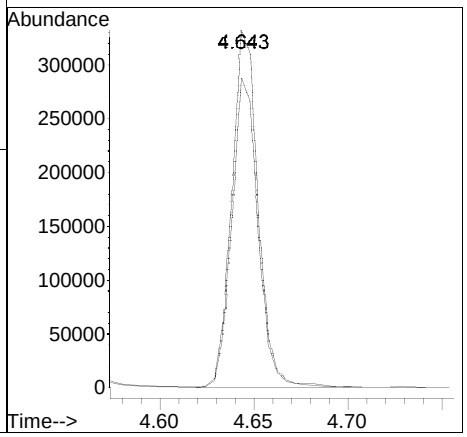


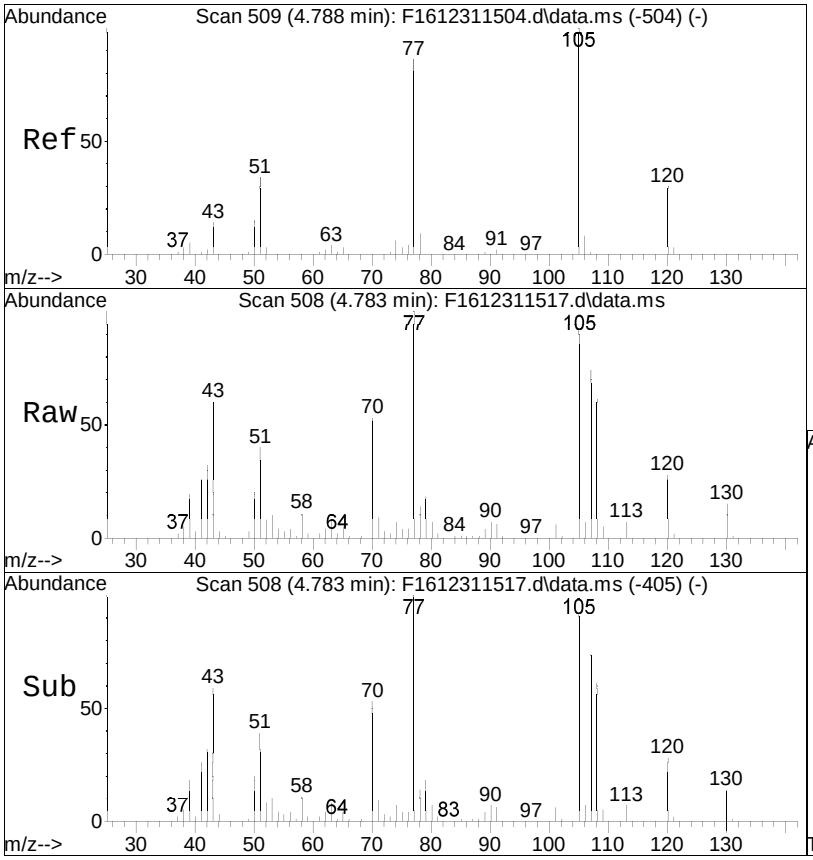


#16
2-Methylphenol
Concen: 5.82 ug/mL
RT: 4.643 min Scan# 479
Delta R.T. -0.010 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:108 Resp: 320402

Ion	Ratio	Lower	Upper
108	100		
107	85.3	68.4	102.6

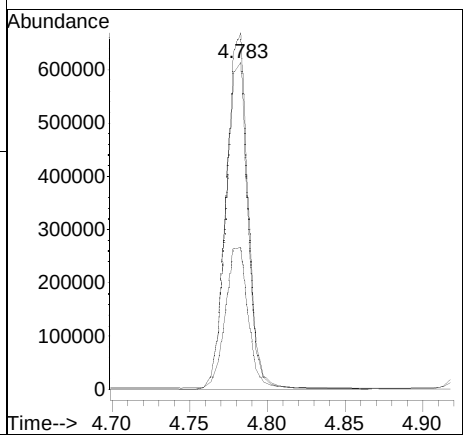


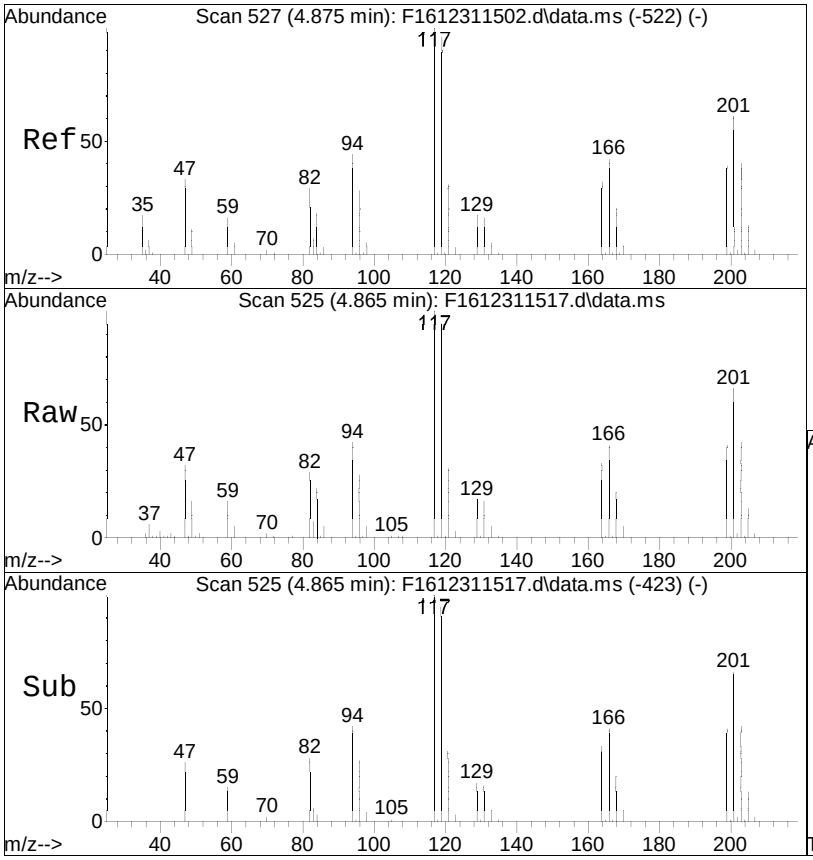


#17
Acetophenone
Concen: 8.47 ug/ml
RT: 4.783 min Scan# 508
Delta R.T. -0.005 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:105 Resp: 605295

Ion	Ratio	Lower	Upper
105	100		
77	107.3	68.6	103.0#
51	44.6	29.0	43.4#

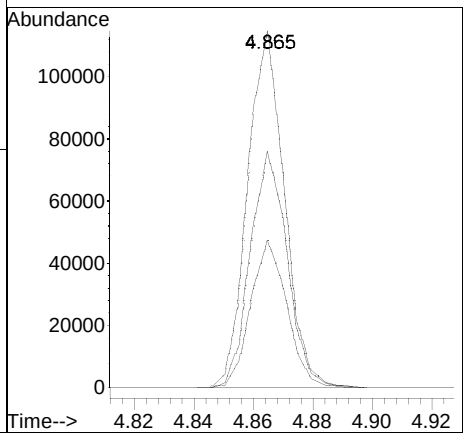


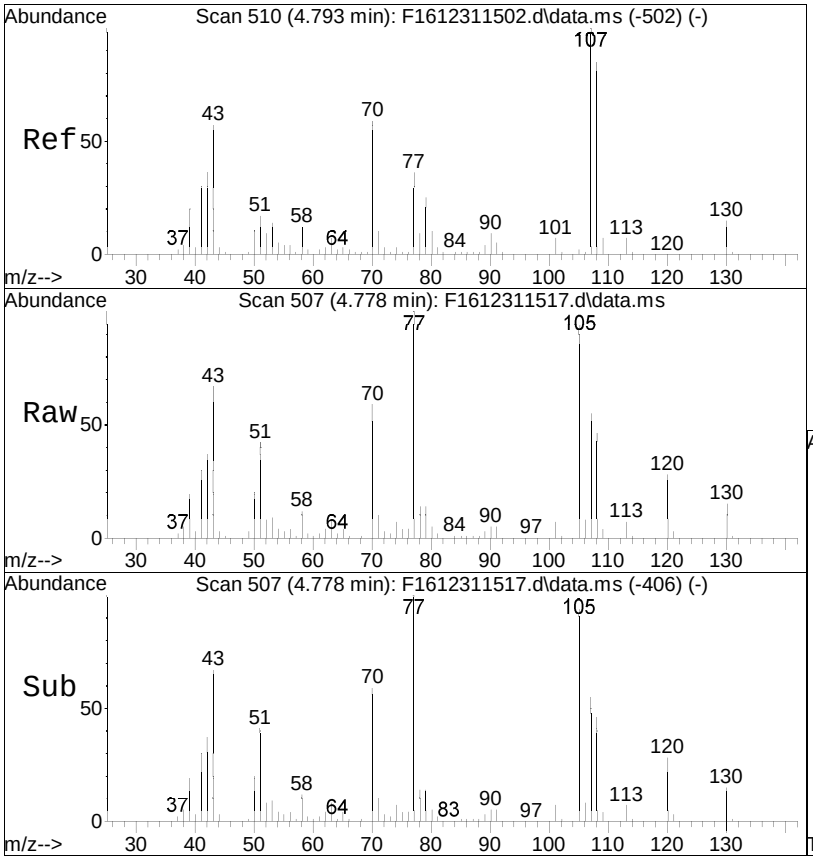


#18
Hexachloroethane
Concen: 3.45 ug/mL
RT: 4.865 min Scan# 525
Delta R.T. -0.010 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:117 Resp: 98017

Ion	Ratio	Lower	Upper
117	100		
201	66.6	67.9	101.9#
199	41.0	42.2	63.4#

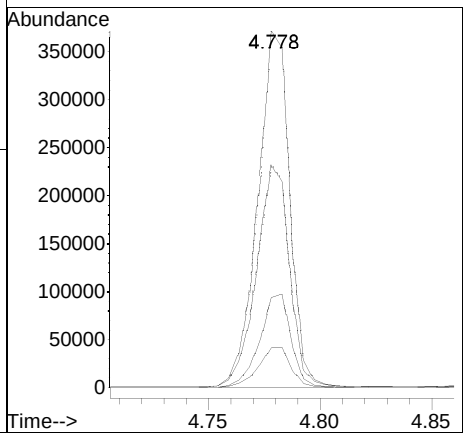


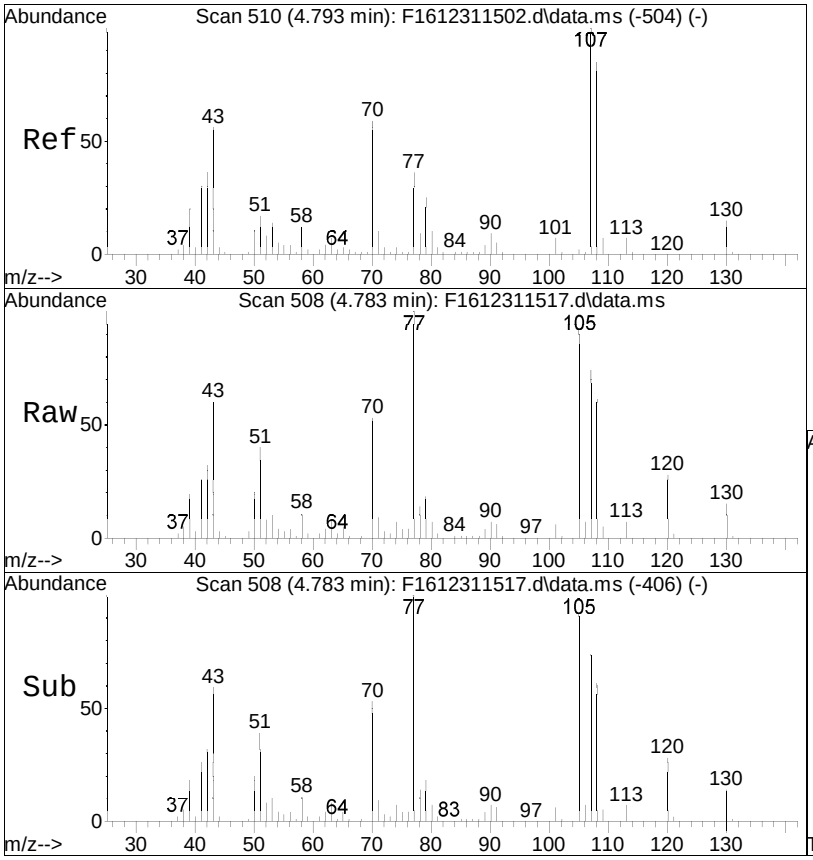


#19
N-Nitroso-di-n-propylamine
Concen: 7.78 ug/mL
RT: 4.778 min Scan# 507
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion: 70 Resp: 369268

Ion	Ratio	Lower	Upper
70	100		
42	64.0	39.6	59.4#
130	25.6	23.7	35.5
101	11.6	9.5	14.3

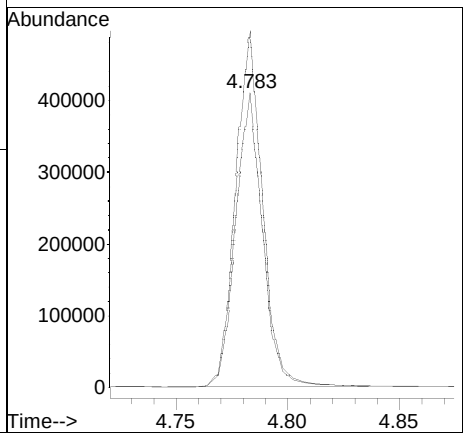


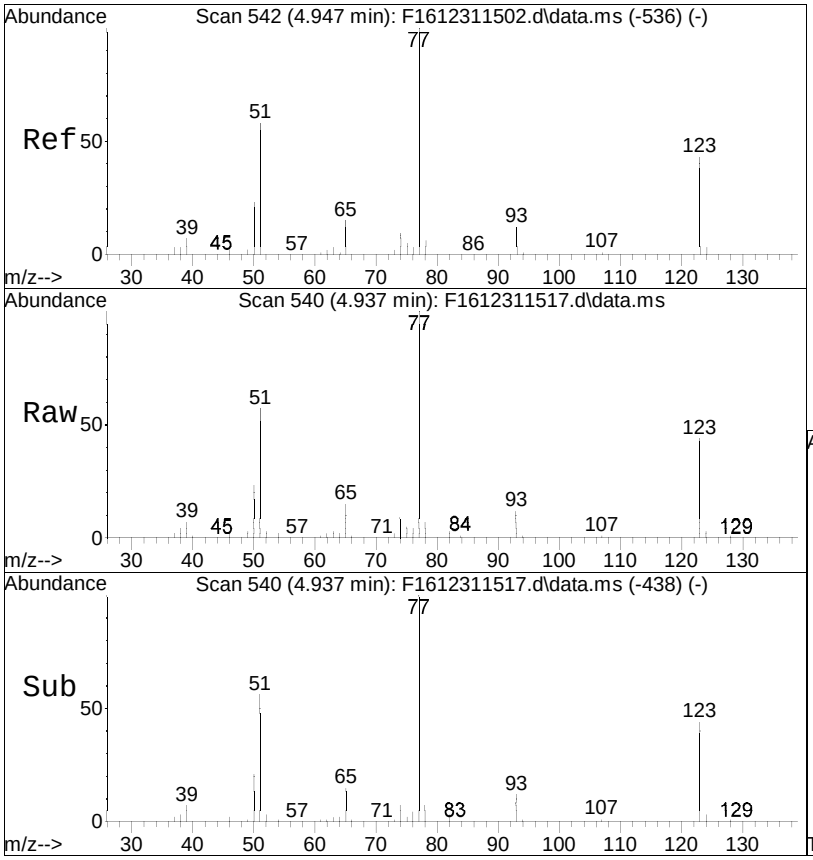


#20
4-Methylphenol
Concen: 5.73 ug/mL
RT: 4.783 min Scan# 508
Delta R.T. -0.010 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:108 Resp: 342703

Ion	Ratio	Lower	Upper
108	100		
107	121.0	95.8	143.8

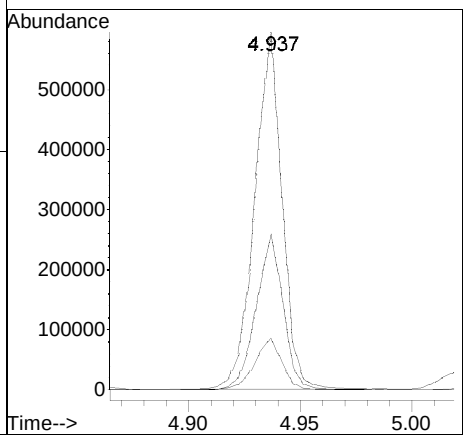


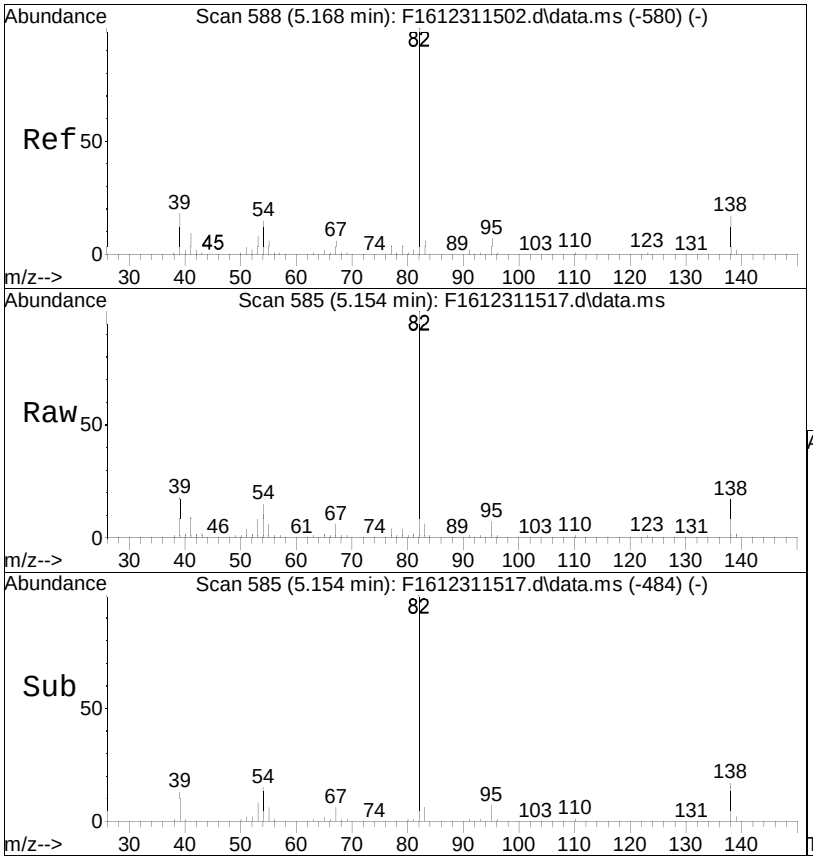


#23
Nitrobenzene
Concen: 7.24 ug/mL
RT: 4.937 min Scan# 540
Delta R.T. -0.010 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion: 77 Resp: 499360

Ion	Ratio	Lower	Upper
77	100		
123	43.4	38.3	57.5
65	14.9	10.6	15.8

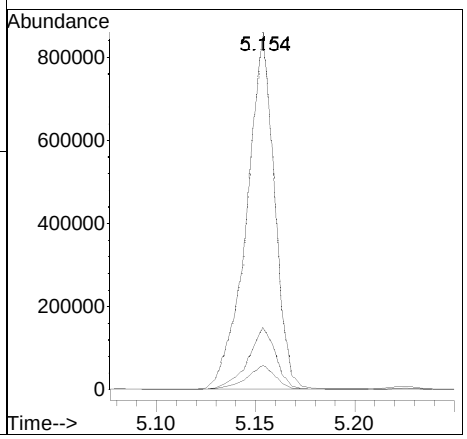


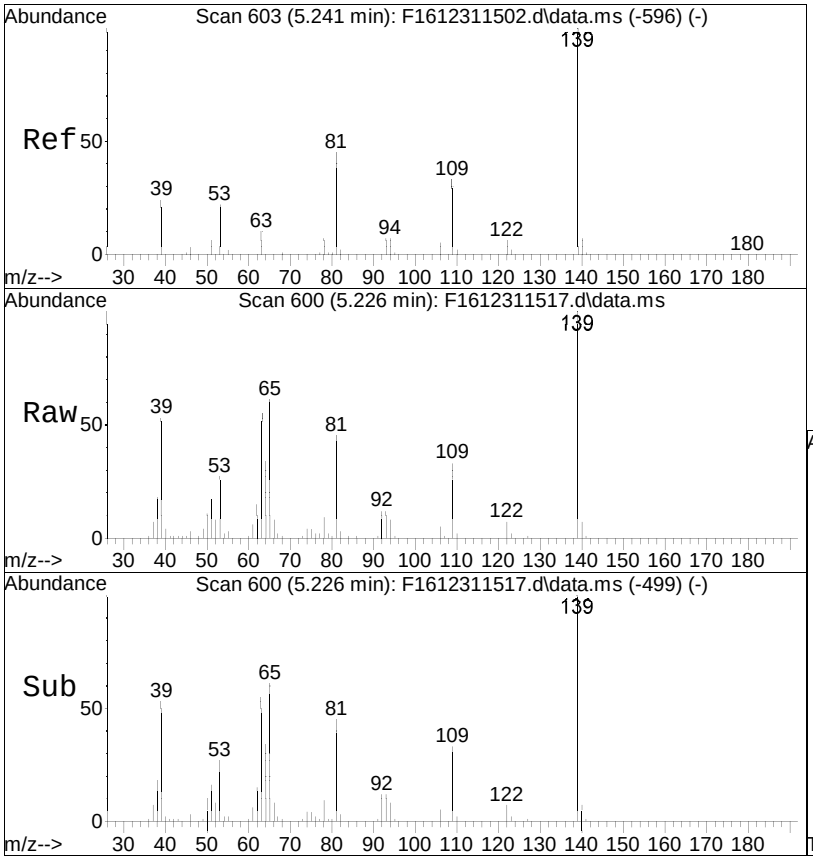


#24
Isophorone
Concen: 8.11 ug/mL
RT: 5.154 min Scan# 585
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion: 82 Resp: 830009

Ion	Ratio	Lower	Upper
82	100		
138	17.5	15.7	23.5
95	7.0	5.6	8.4

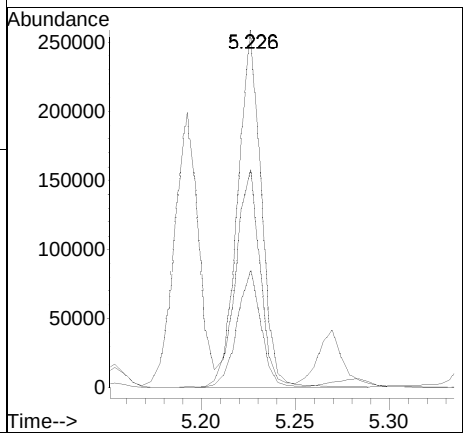


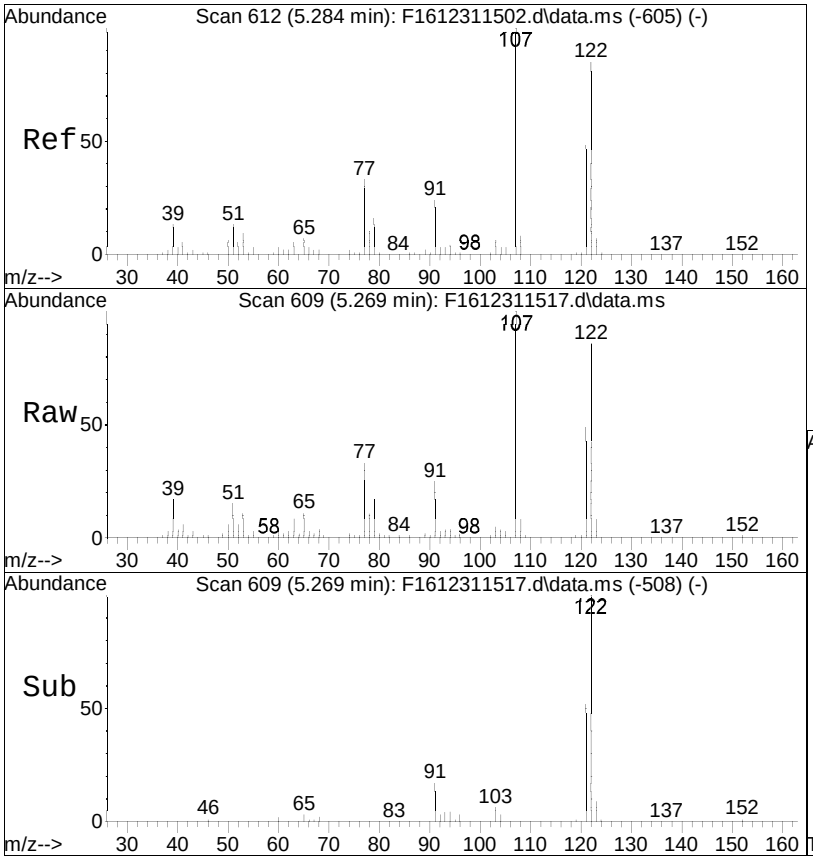


#25
2-Nitrophenol
Concen: 7.06 ug/mL
RT: 5.226 min Scan# 600
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:139 Resp: 226223

Ion	Ratio	Lower	Upper
139	100		
65	62.6	37.4	56.2#
109	33.0	22.3	33.5

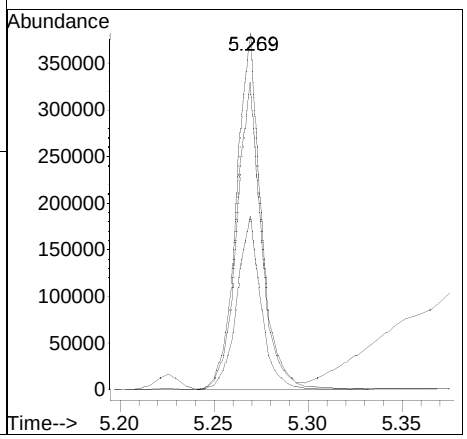


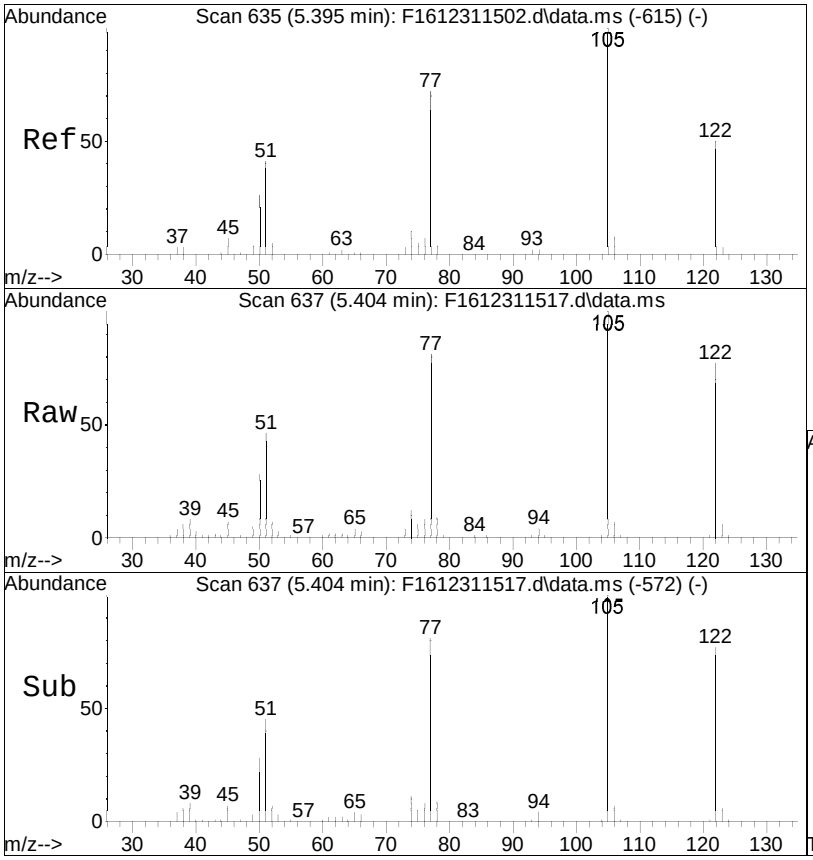


#26
2,4-Dimethylphenol
Concen: 7.13 ug/mL
RT: 5.269 min Scan# 609
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:107 Resp: 350005

Ion	Ratio	Lower	Upper
107	100		
122	85.1	71.4	107.0
121	47.4	40.1	60.1

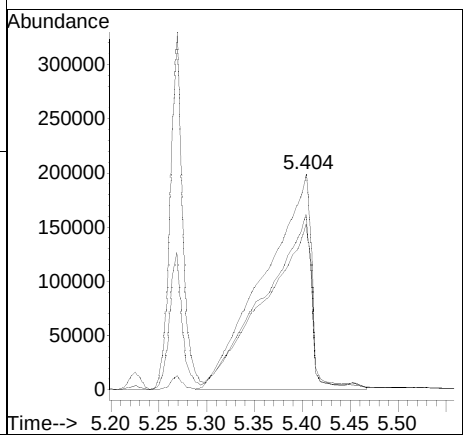


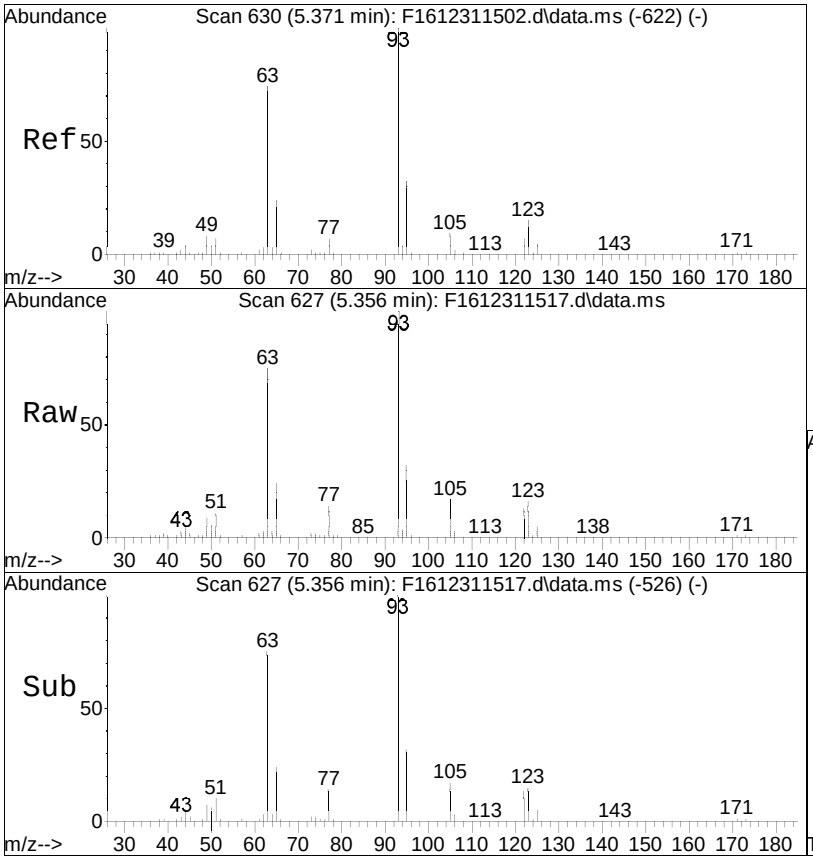


#27
Benzoic acid
Concen: 15.74 ug/mL M4
RT: 5.404 min Scan# 637
Delta R.T. 0.010 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:105 Resp: 687193

Ion	Ratio	Lower	Upper
105	100		
122	70.0	62.7	94.1
77	76.2	56.9	85.3

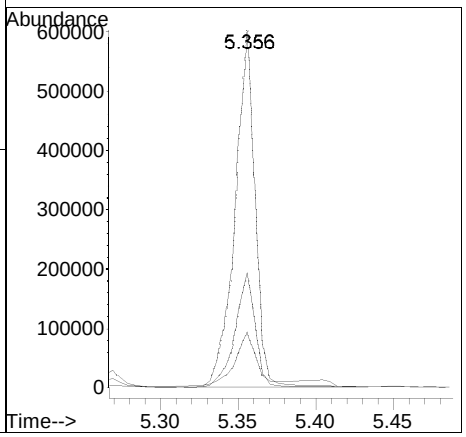


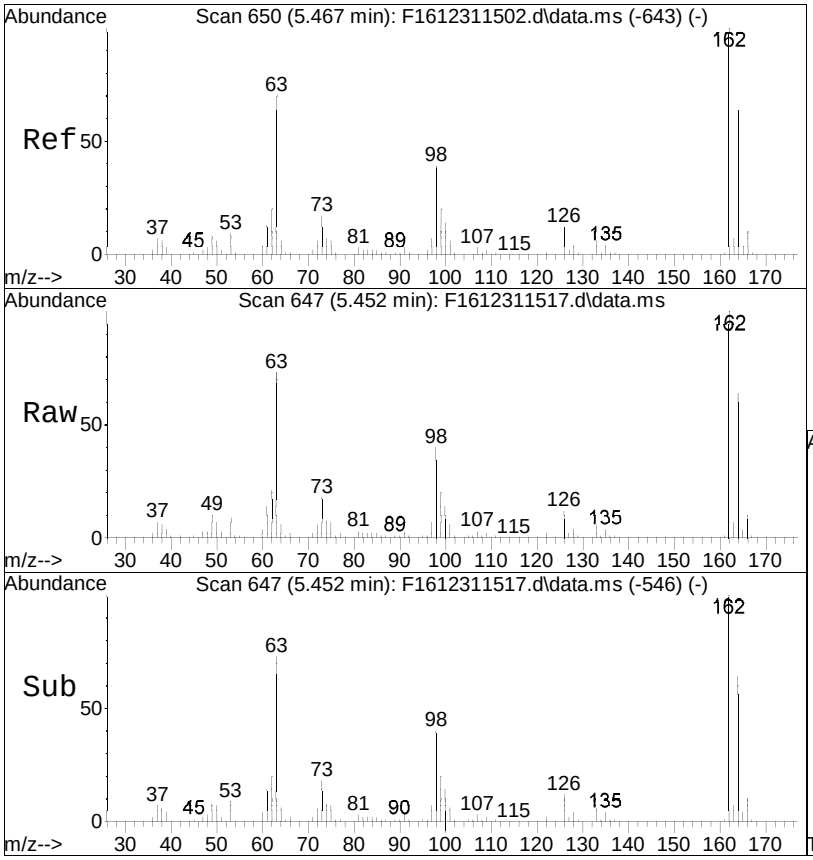


#28
bis(2-Chloroethoxy)methane
Concen: 7.78 ug/mL
RT: 5.356 min Scan# 627
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion: 93 Resp: 534251

Ion	Ratio	Lower	Upper
93	100		
95	32.8	25.9	38.9
123	17.7	13.1	19.7

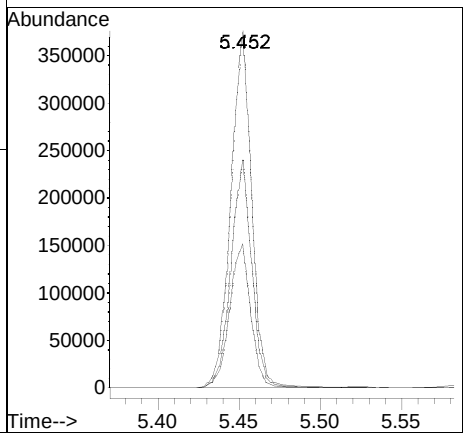


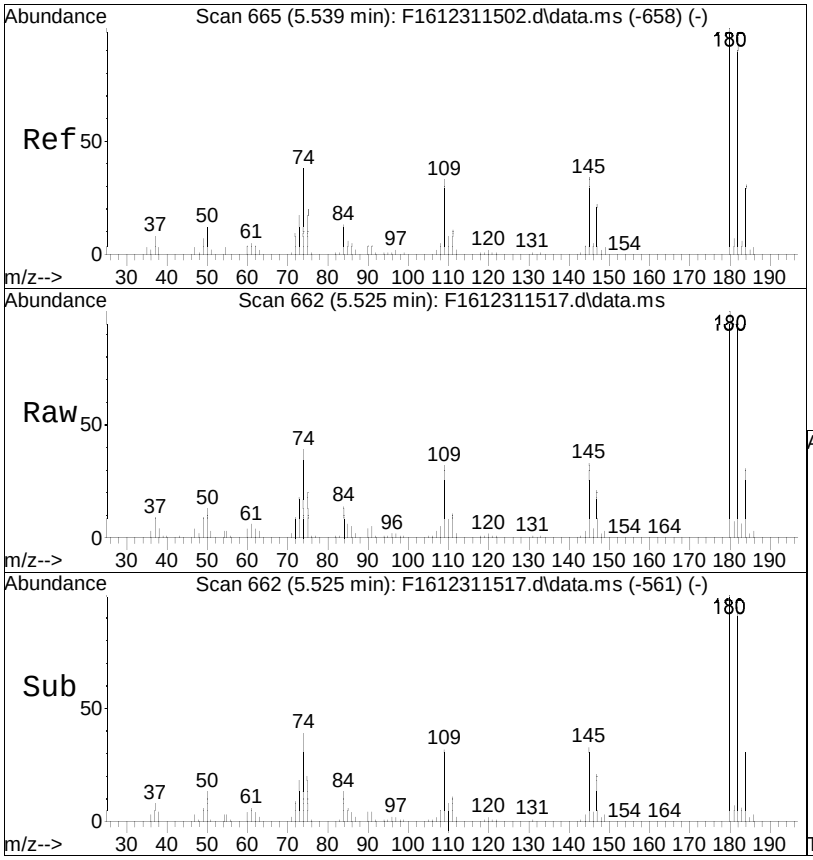


#29
2,4-Dichlorophenol
Concen: 7.43 ug/mL
RT: 5.452 min Scan# 647
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:162 Resp: 332410

Ion	Ratio	Lower	Upper
162	100		
164	63.7	51.2	76.8
98	41.0	27.8	41.8

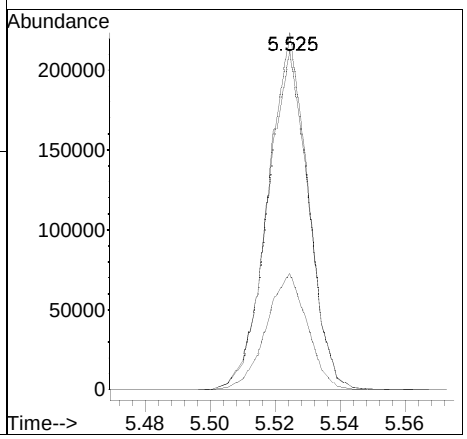


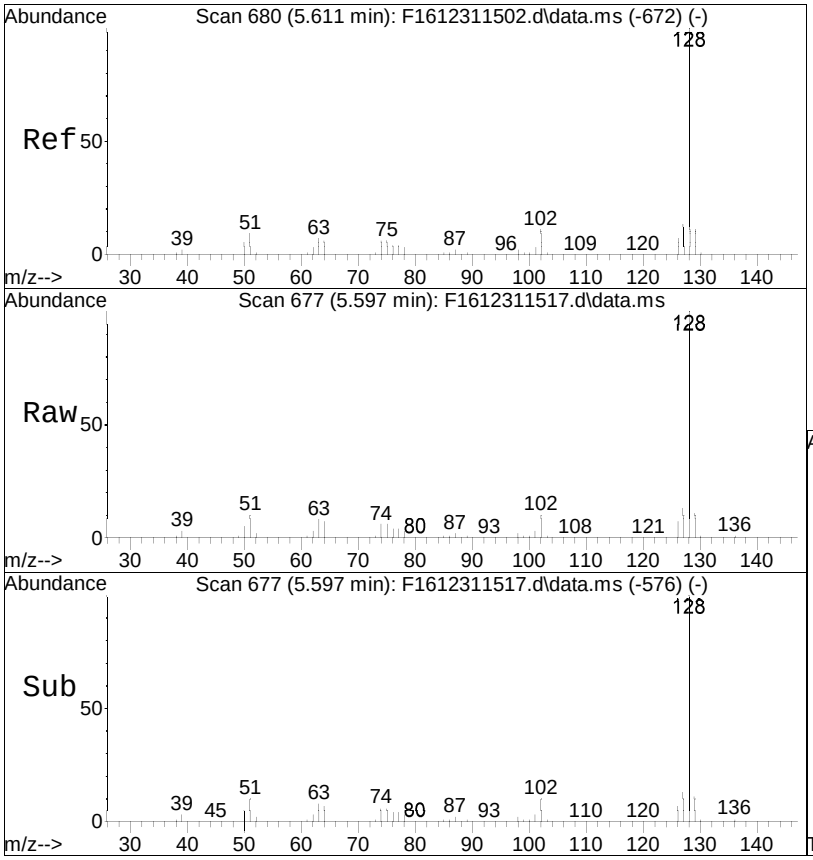


#30
1,2,4-Trichlorobenzene
Concen: 4.00 ug/mL
RT: 5.525 min Scan# 662
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:180 Resp: 191129

Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.6	113.4
145	33.4	24.6	37.0

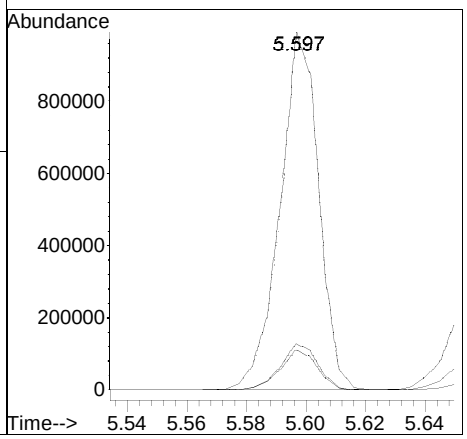


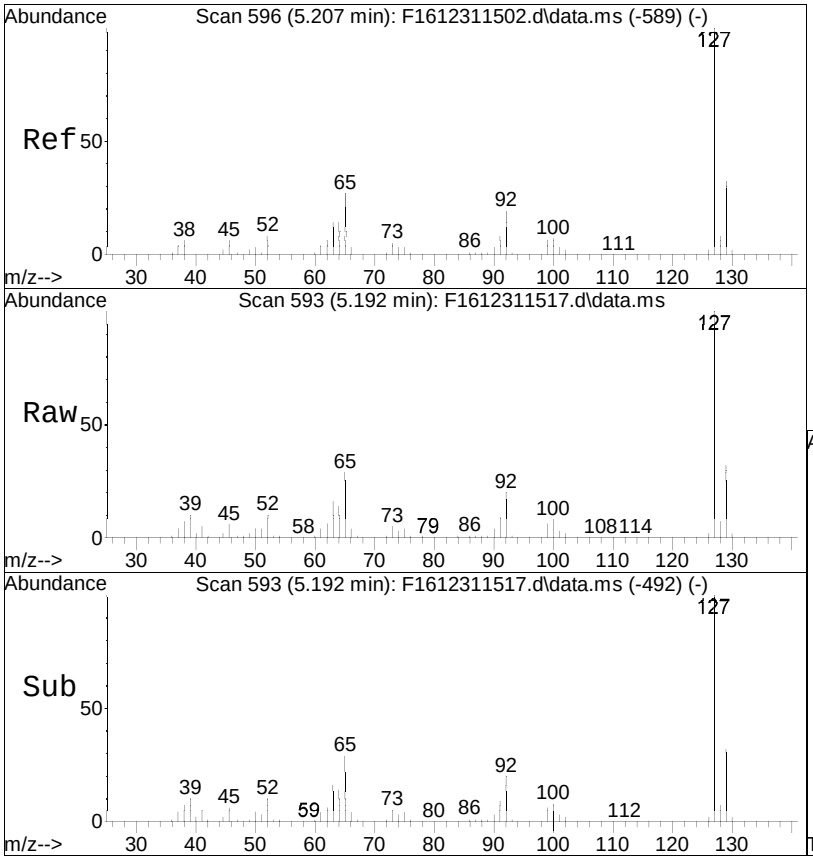


#31
Naphthalene
Concen: 5.06 ug/mL
RT: 5.597 min Scan# 677
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:128 Resp: 889253

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	12.8	10.2	15.4

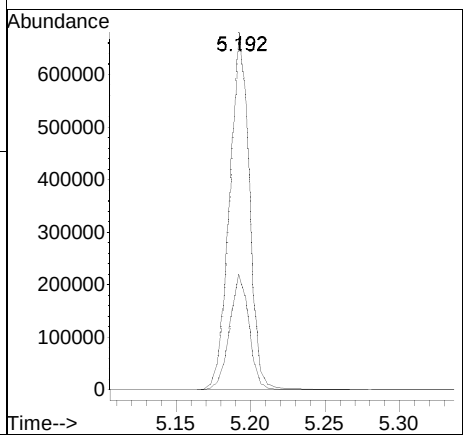


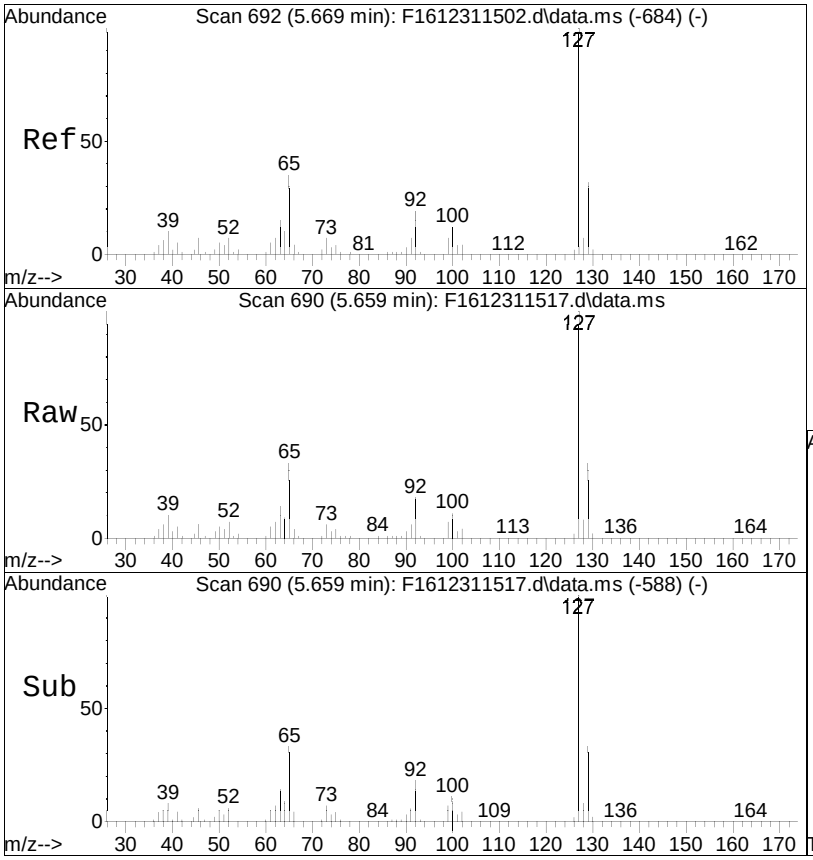


#32
2-Chloroaniline
Concen: 6.84 ug/ml
RT: 5.192 min Scan# 593
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:127 Resp: 622251

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.8	38.6

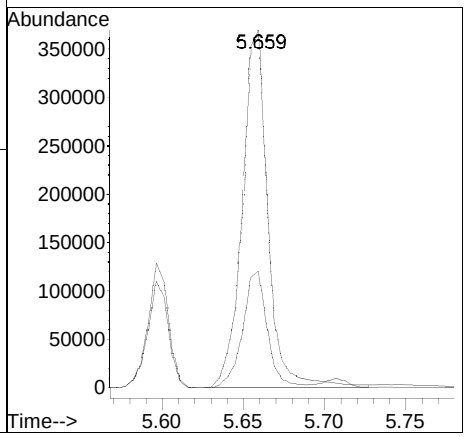


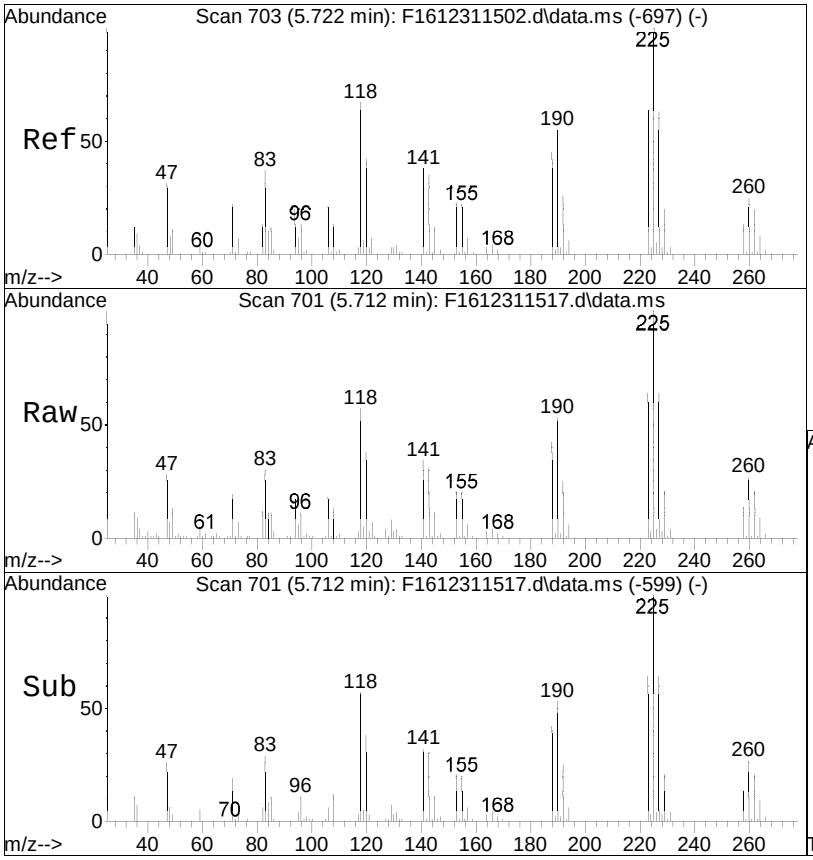


#33
4-Chloroaniline
Concen: 5.63 ug/mL
RT: 5.659 min Scan# 690
Delta R.T. -0.010 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:127 Resp: 400957

Ion	Ratio	Lower	Upper
127	100		
129	31.5	275.7	413.5#

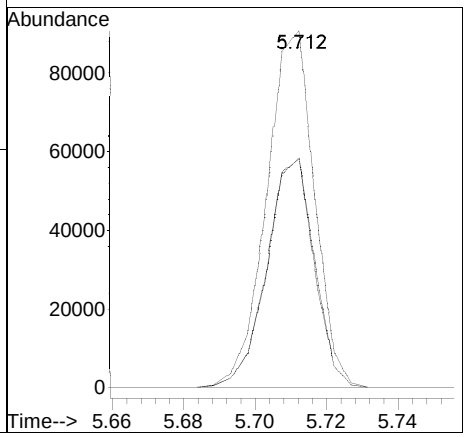


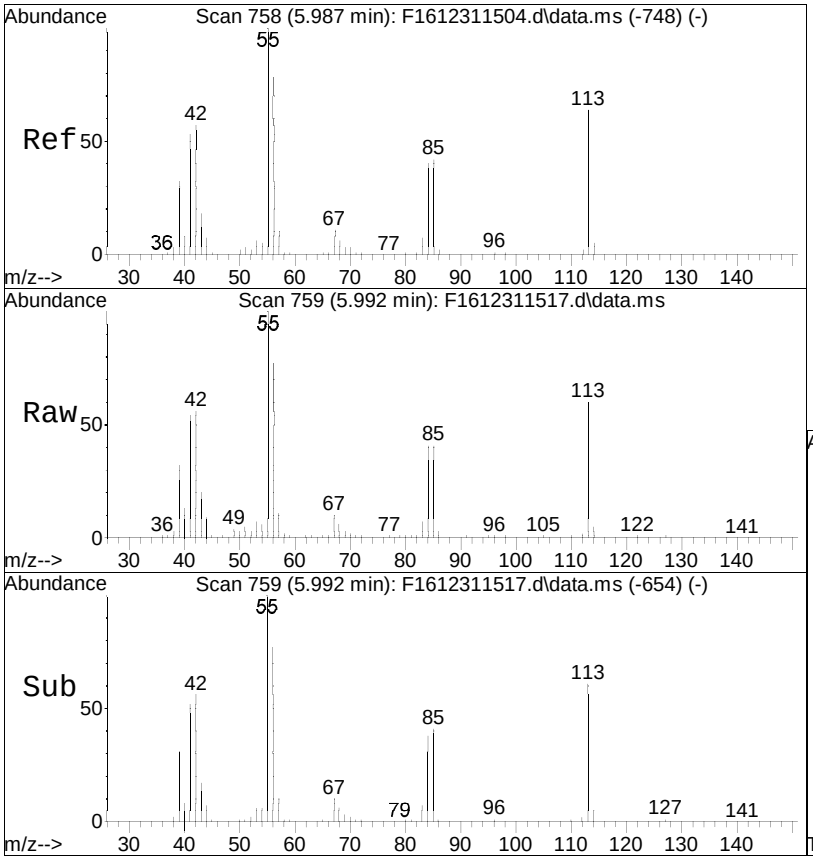


#34
Hexachlorobutadiene
Concen: 3.51 ug/mL
RT: 5.712 min Scan# 701
Delta R.T. -0.010 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:225 Resp: 84143

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.1	75.1
227	63.8	50.6	75.8

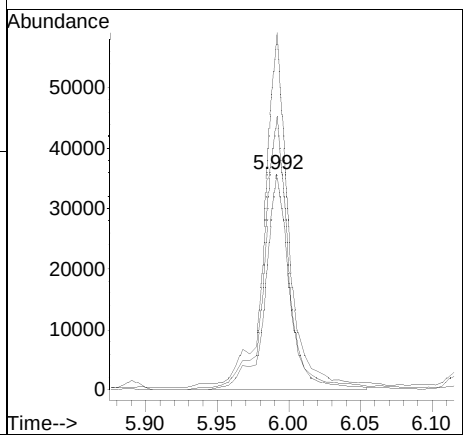


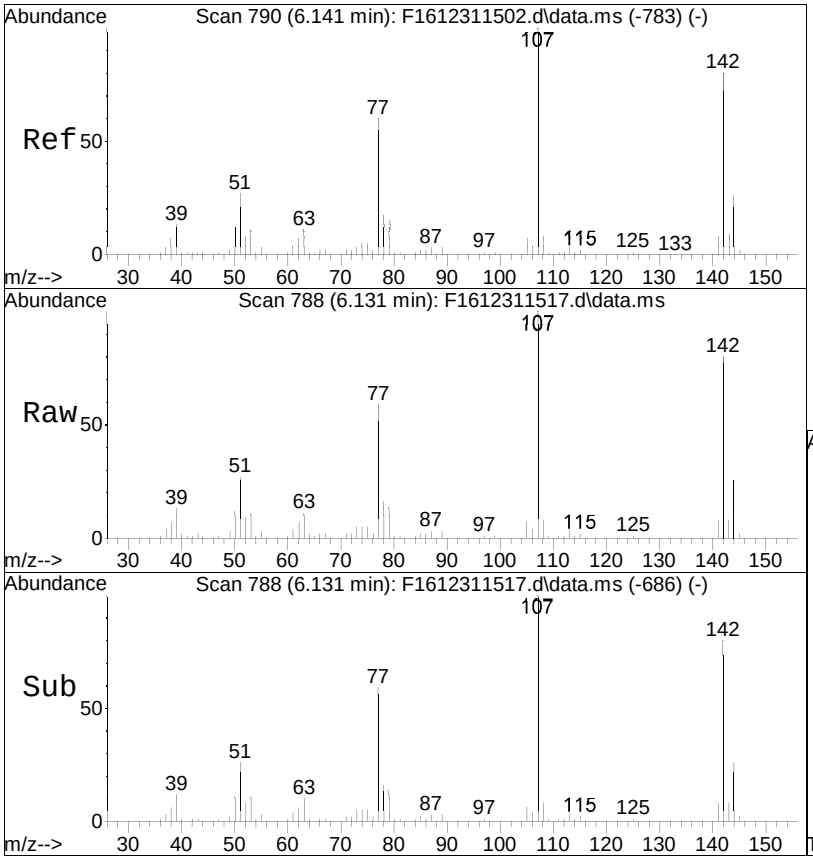


#35
Caprolactam
Concen: 2.66 ug/ml M4
RT: 5.992 min Scan# 759
Delta R.T. 0.005 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:113 Resp: 42731

Ion	Ratio	Lower	Upper
113	100		
55	11.7	125.3	187.9#
56	10.7	96.2	144.2#

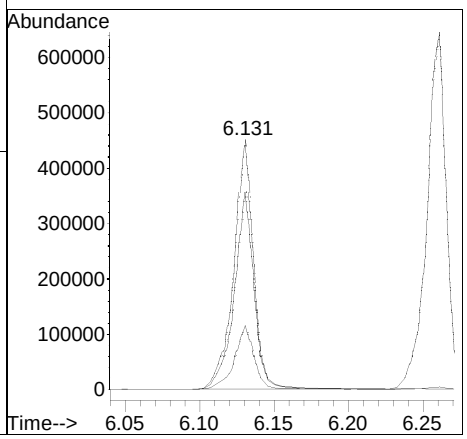


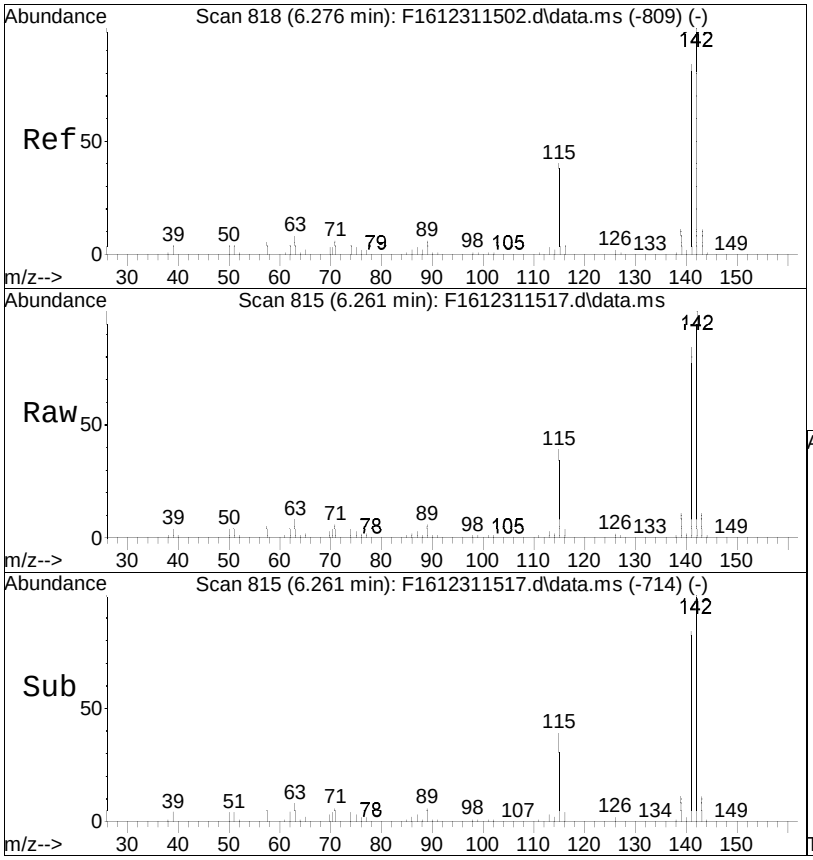


#36
4-Chloro-3-methylphenol
Concen: 8.03 ug/mL
RT: 6.131 min Scan# 788
Delta R.T. -0.010 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:107 Resp: 419357

Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.7	31.1
142	79.1	65.4	98.0

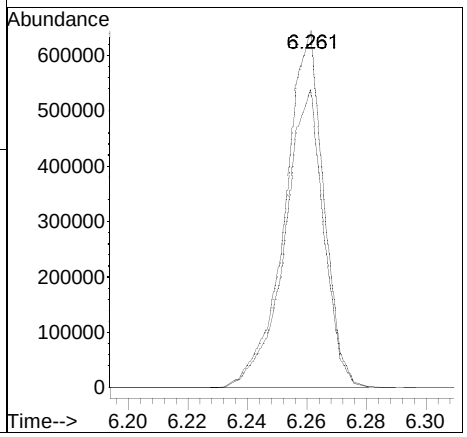


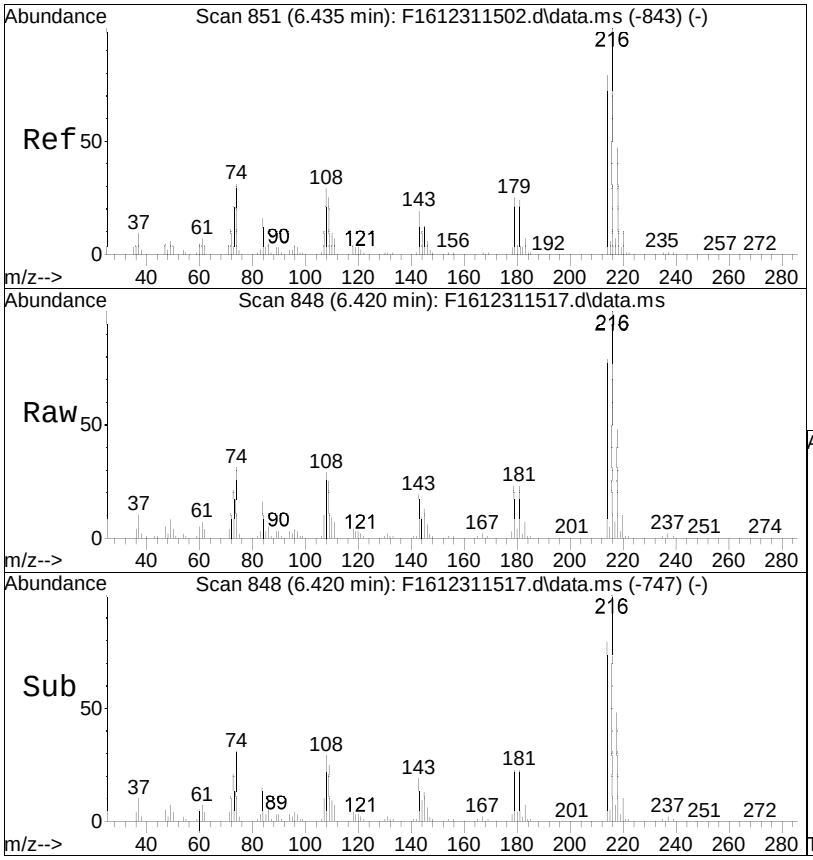


#37
2-Methylnaphthalene
Concen: 5.07 ug/mL
RT: 6.261 min Scan# 815
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:142 Resp: 578742

Ion	Ratio	Lower	Upper
142	100		
141	84.4	67.1	100.7

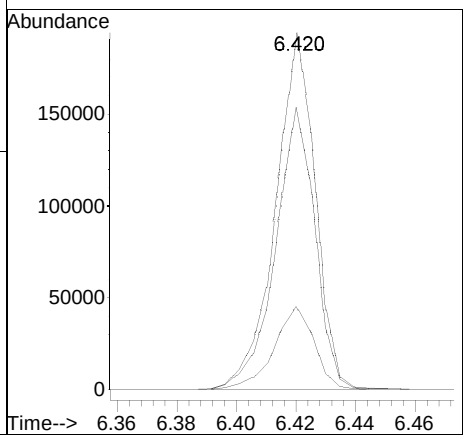


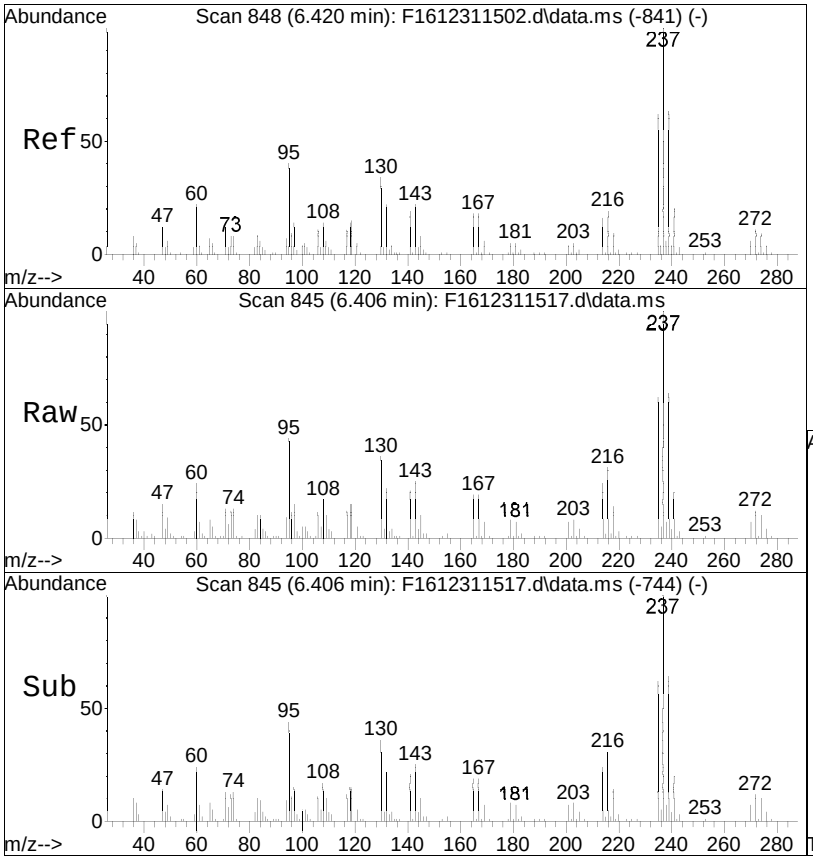


#39
1,2,4,5-Tetrachlorobenzene
Concen: 4.35 ug/mL
RT: 6.420 min Scan# 848
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:216 Resp: 179566

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.4	95.2
179	23.6	18.0	27.0

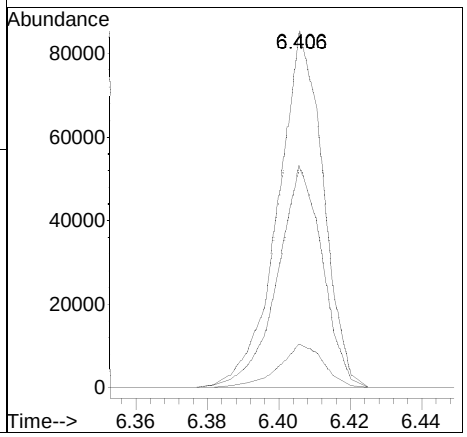


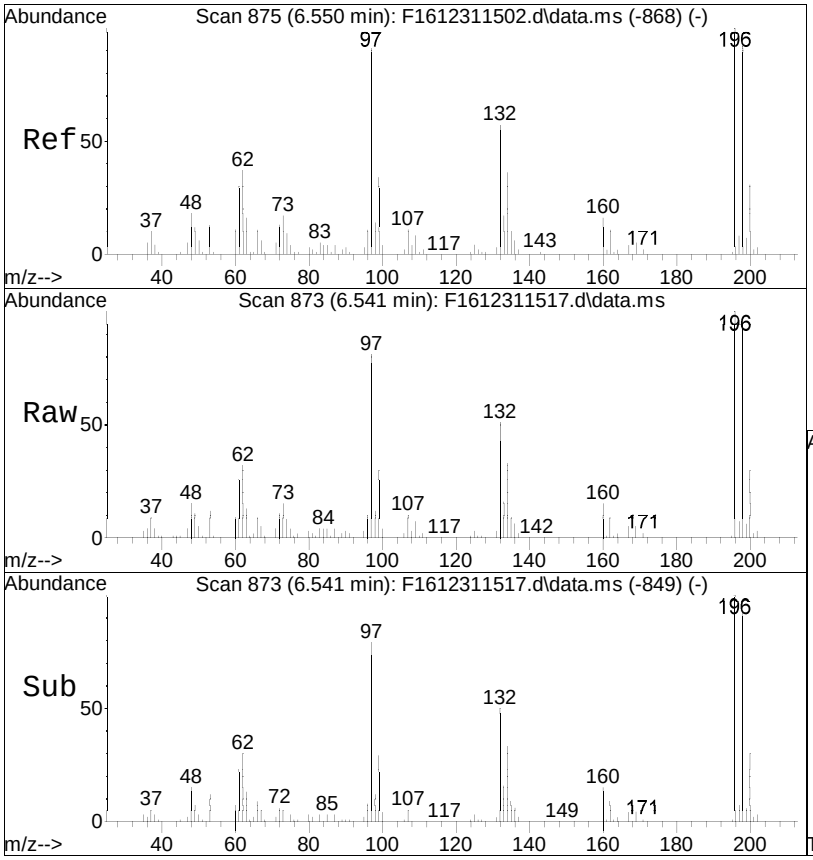


#40
Hexachlorocyclopentadiene
Concen: 4.25 ug/mL
RT: 6.406 min Scan# 845
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:237 Resp: 75166

Ion	Ratio	Lower	Upper
237	100		
235	62.0	50.2	75.4
272	12.1	9.8	14.6

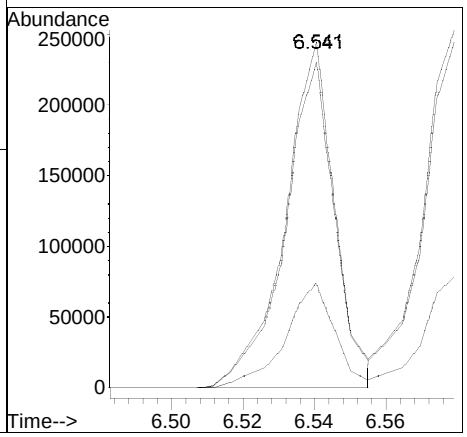


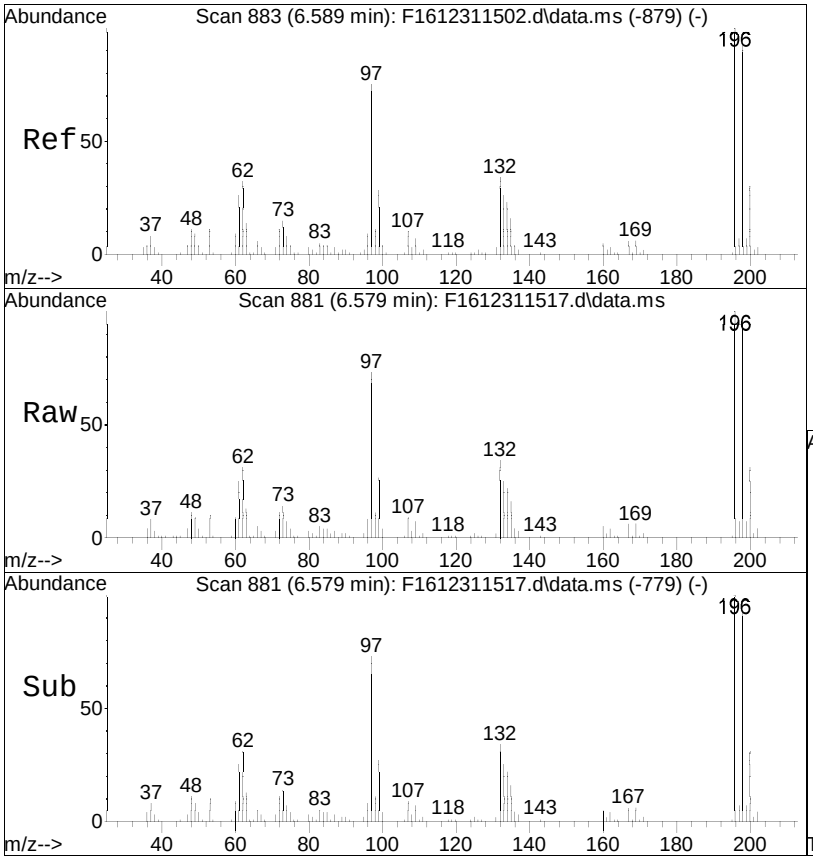


#41
2,4,6-Trichlorophenol
Concen: 8.18 ug/mL
RT: 6.541 min Scan# 873
Delta R.T. -0.010 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:196 Resp: 236839

Ion	Ratio	Lower	Upper
196	100		
198	94.6	75.7	113.5
200	30.3	24.1	36.1

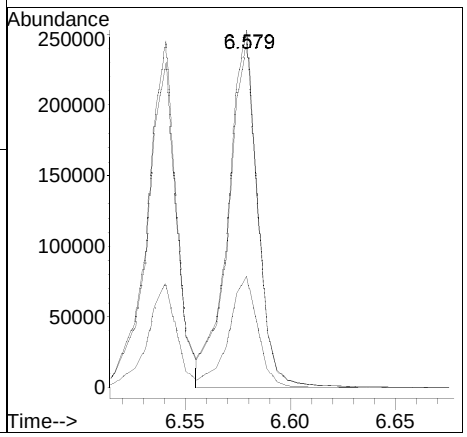


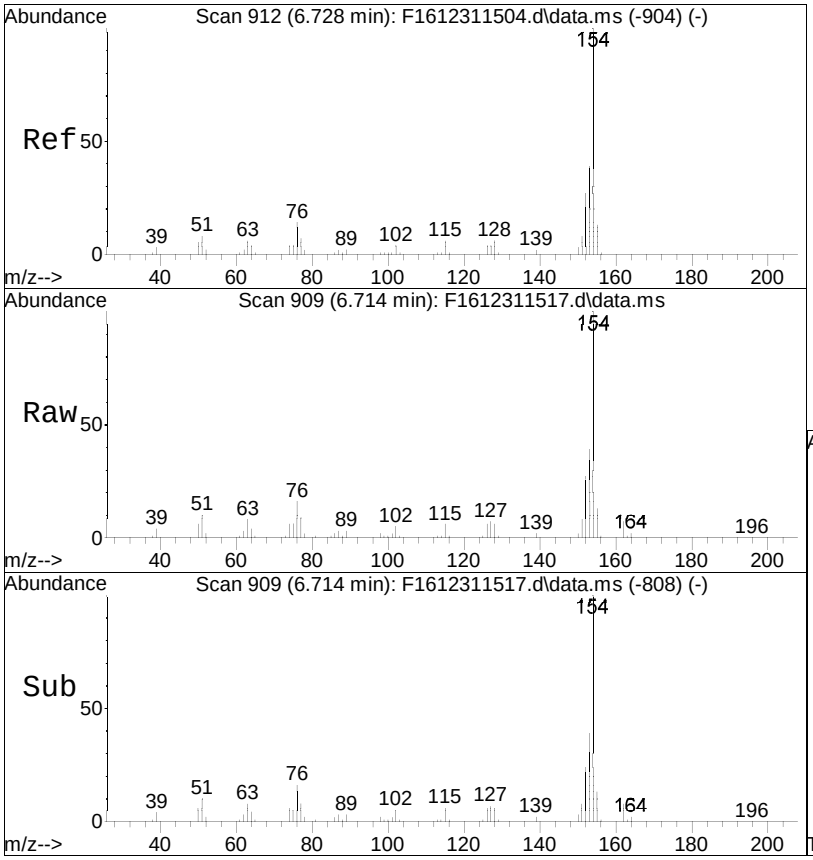


#42
2,4,5-Trichlorophenol
Concen: 8.19 ug/mL
RT: 6.579 min Scan# 881
Delta R.T. -0.010 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:196 Resp: 246089

Ion	Ratio	Lower	Upper
196	100		
198	95.6	76.2	114.2
200	30.7	24.2	36.2

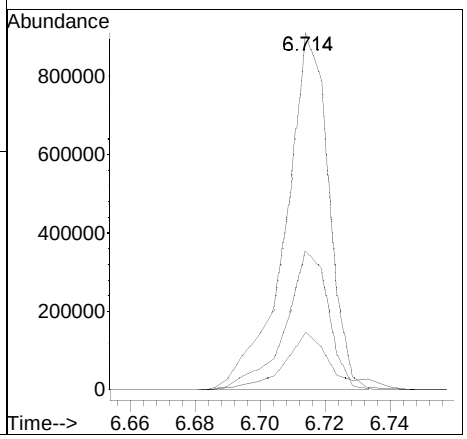


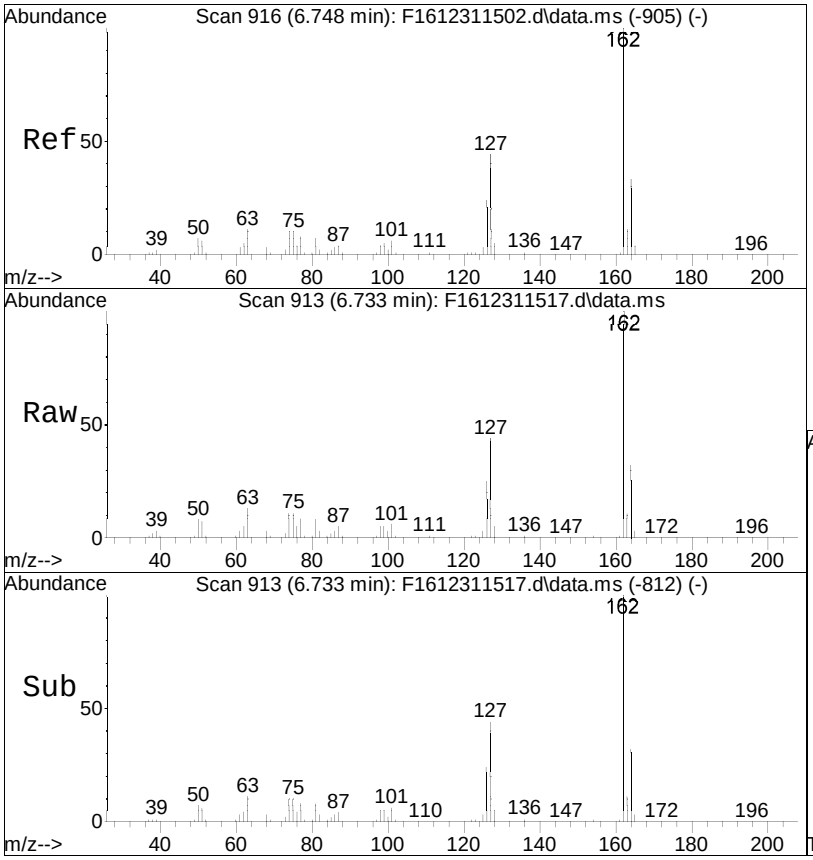


#44
Biphenyl
Concen: 7.04 ug/ml
RT: 6.714 min Scan# 909
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:154 Resp: 845034

Ion	Ratio	Lower	Upper
154	100		
153	39.1	31.3	46.9
76	16.5	12.4	18.6

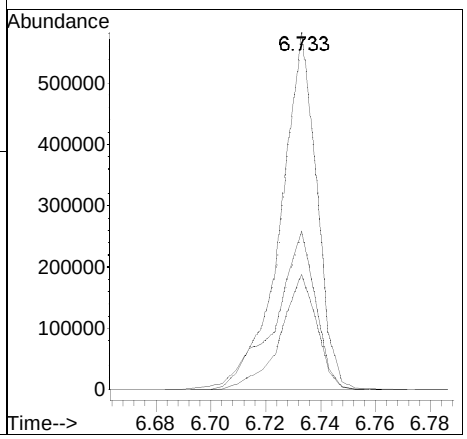


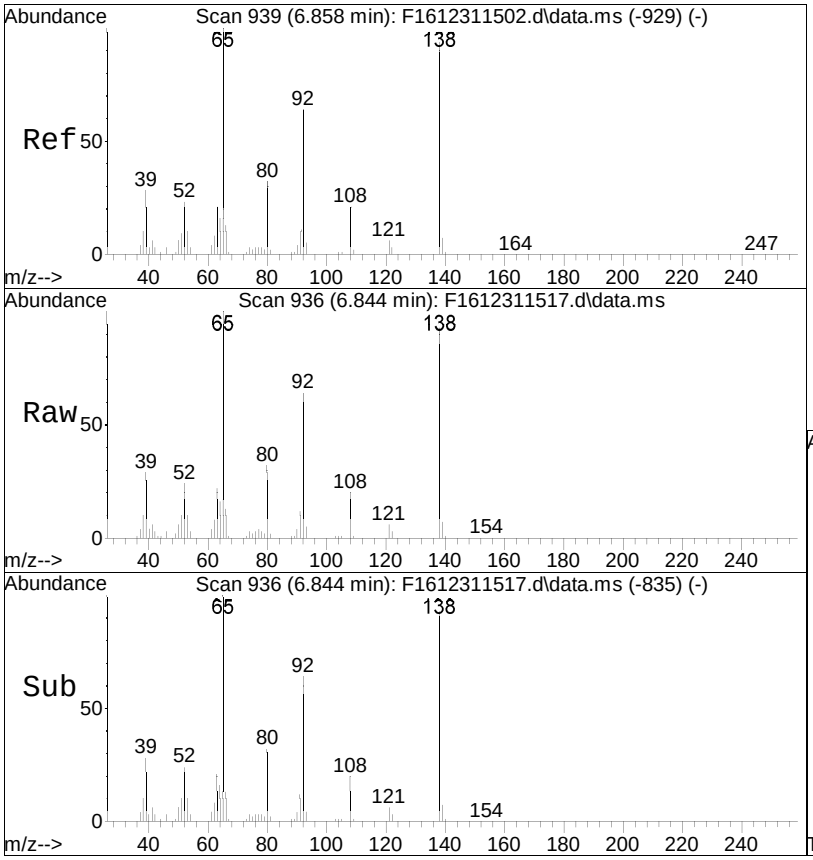


#45
2-Chloronaphthalene
Concen: 5.54 ug/mL
RT: 6.733 min Scan# 913
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:162 Resp: 535421

Ion	Ratio	Lower	Upper
162	100		
164	32.5	25.8	38.6
127	50.2	31.0	46.6#

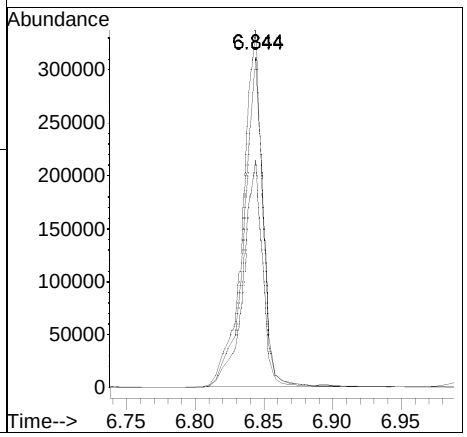


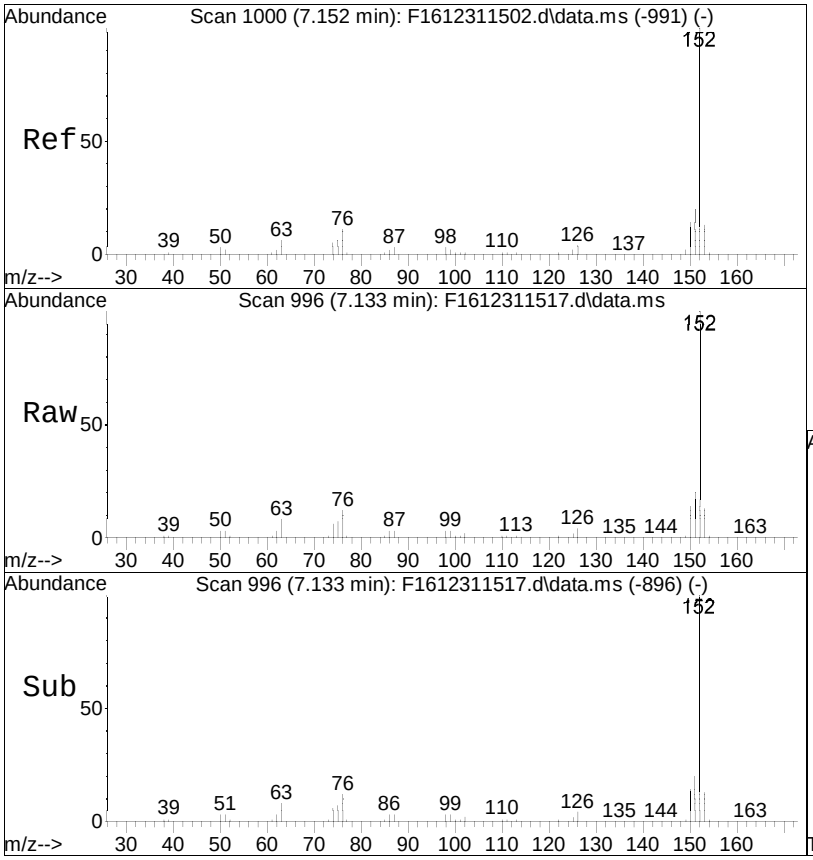


#46
2-Nitroaniline
Concen: 9.04 ug/mL
RT: 6.844 min Scan# 936
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion: 65 Resp: 334017

Ion	Ratio	Lower	Upper
65	100		
92	62.7	58.3	87.5
138	89.8	95.4	143.0#

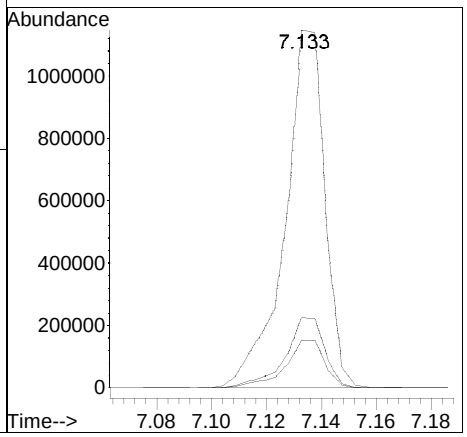


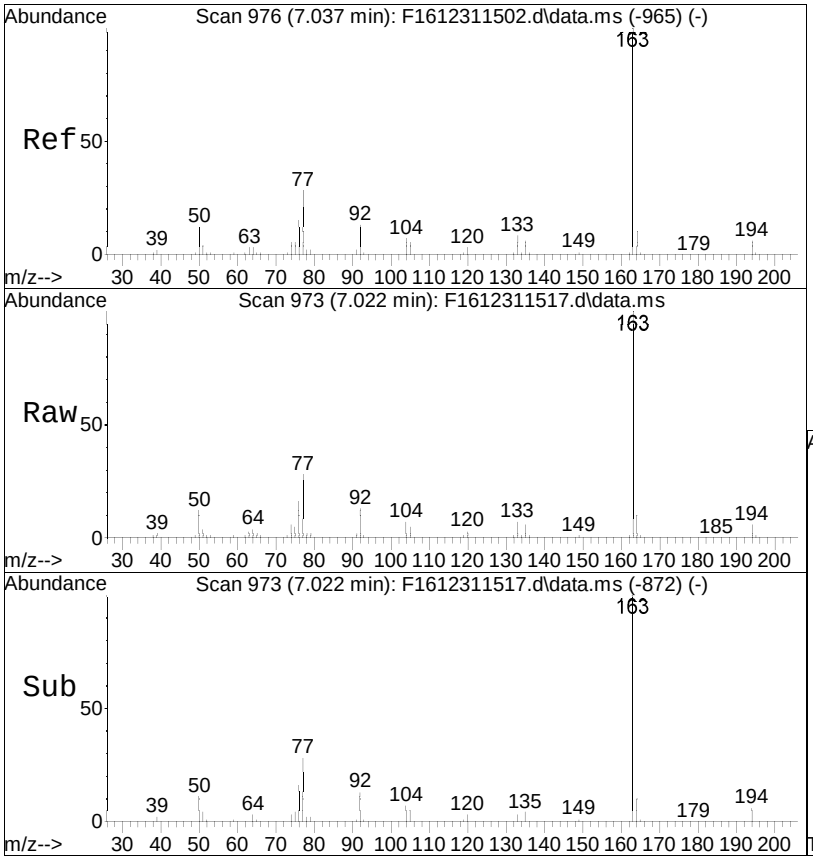


#47
Acenaphthylene
Concen: 6.88 ug/mL
RT: 7.133 min Scan# 996
Delta R.T. -0.019 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:152 Resp: 1146270

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.4	23.2
153	13.3	10.6	15.8

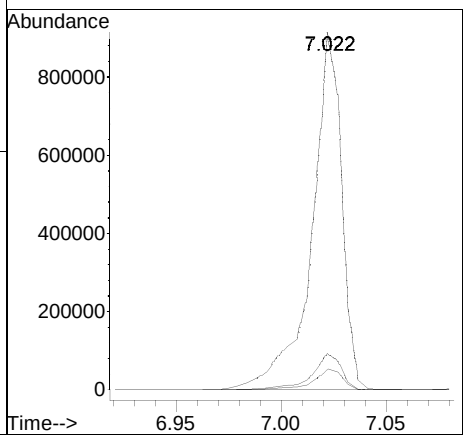


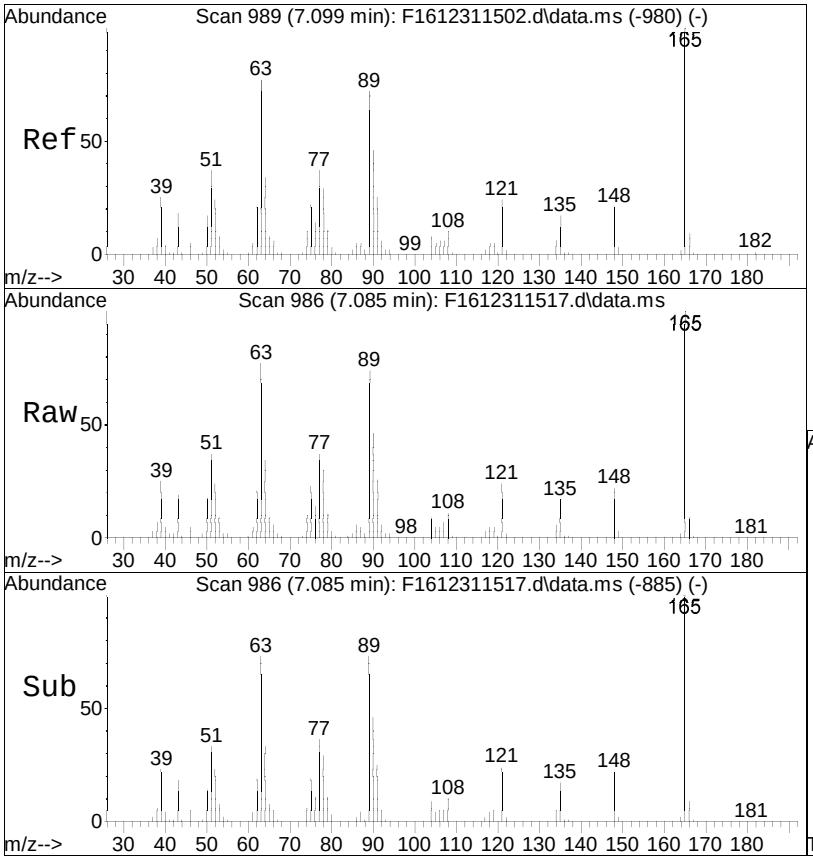


#48
Dimethylphthalate
Concen: 8.56 ug/mL
RT: 7.022 min Scan# 973
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:163 Resp: 900098

Ion	Ratio	Lower	Upper
163	100		
194	5.9	5.0	7.6
164	10.2	8.0	12.0

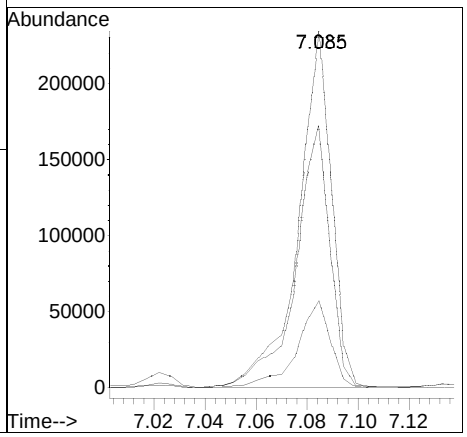


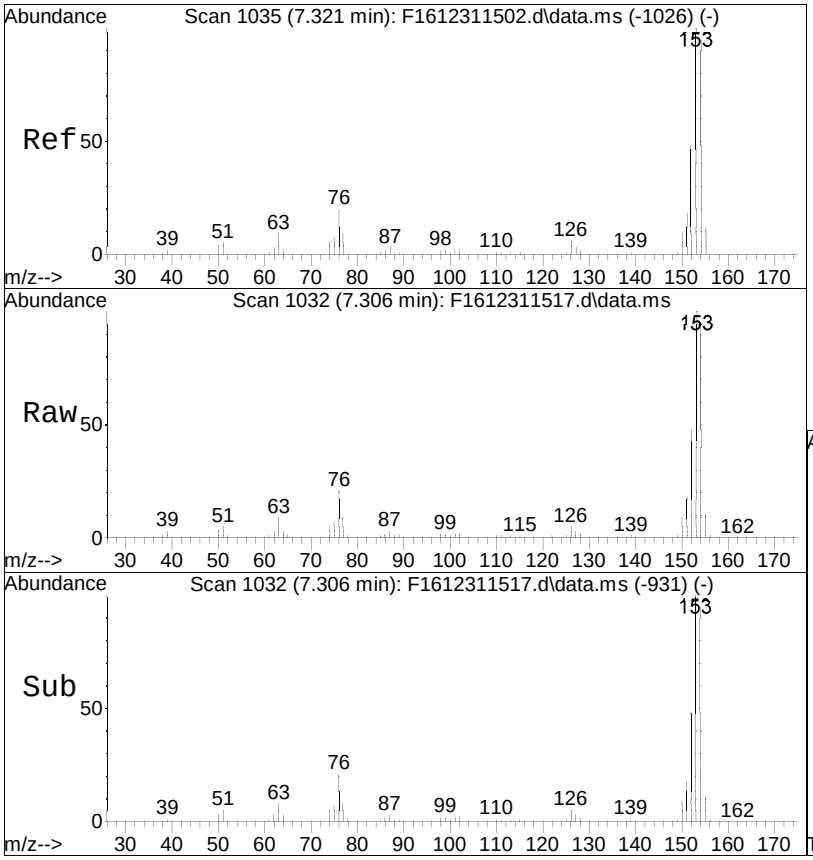


#49
2,6-Dinitrotoluene
Concen: 8.54 ug/mL
RT: 7.085 min Scan# 986
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:165 Resp: 210136

Ion	Ratio	Lower	Upper
165	100		
89	75.8	45.3	67.9#
121	25.3	16.6	24.8#

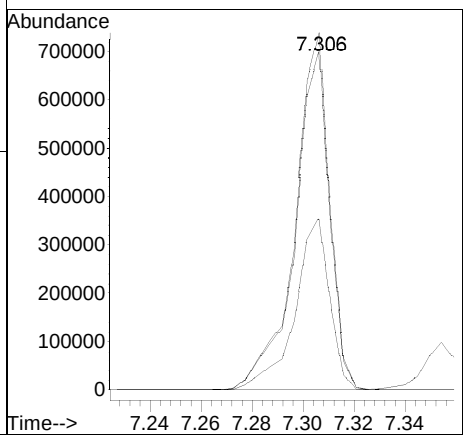


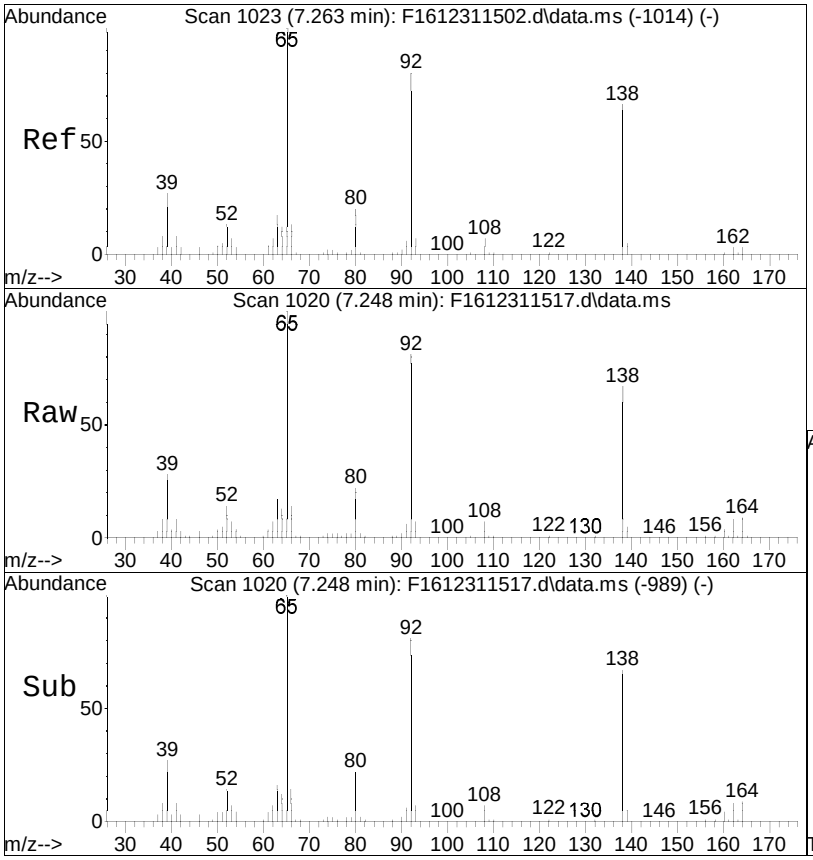


#50
Acenaphthene
Concen: 6.66 ug/mL
RT: 7.306 min Scan# 1032
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:153 Resp: 697806

Ion	Ratio	Lower	Upper
153	100		
154	94.8	77.2	115.8
152	48.0	37.9	56.9

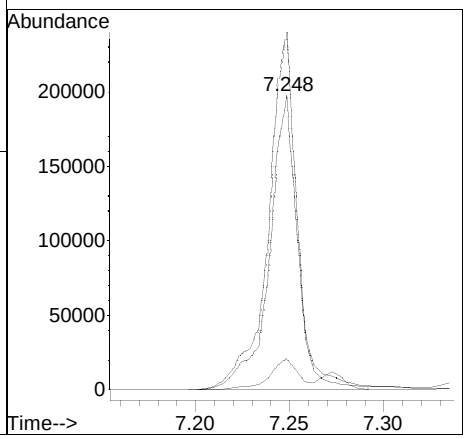


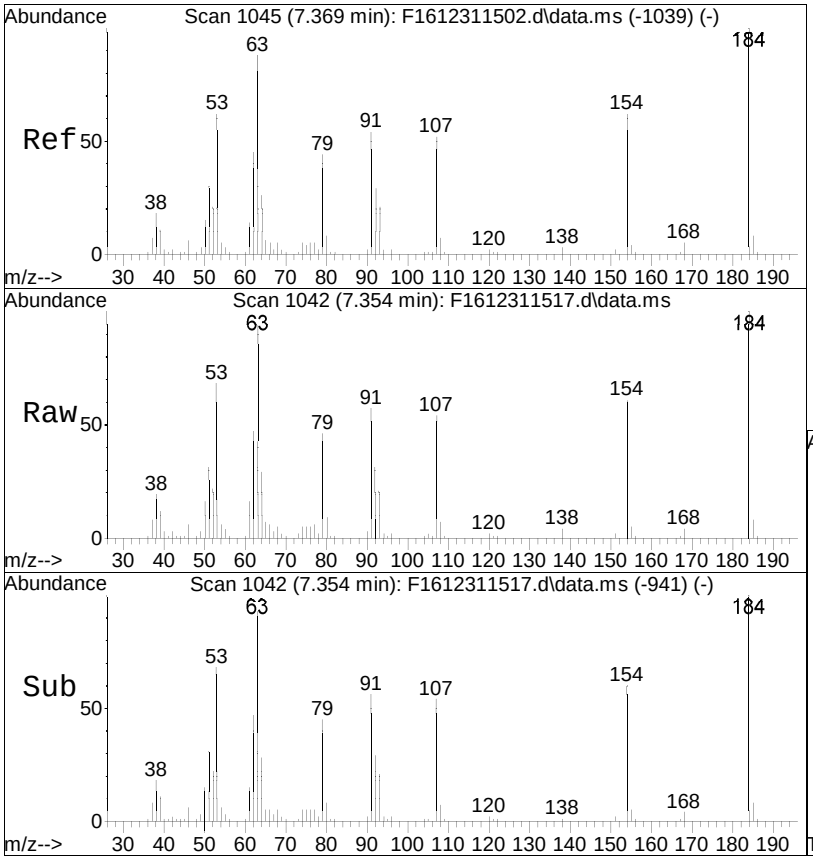


#51
3-Nitroaniline
Concen: 7.09 ug/mL
RT: 7.248 min Scan# 1020
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:138 Resp: 203525

Ion	Ratio	Lower	Upper
138	100		
108	11.4	8.6	12.8
92	126.5	86.3	129.5

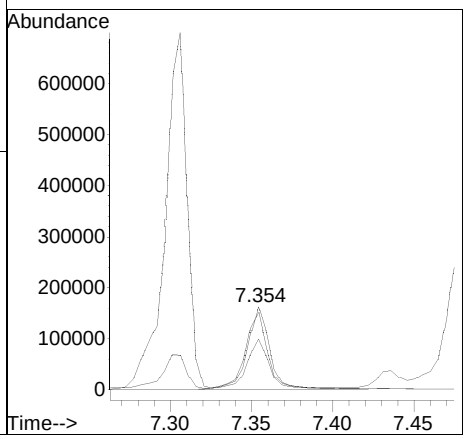


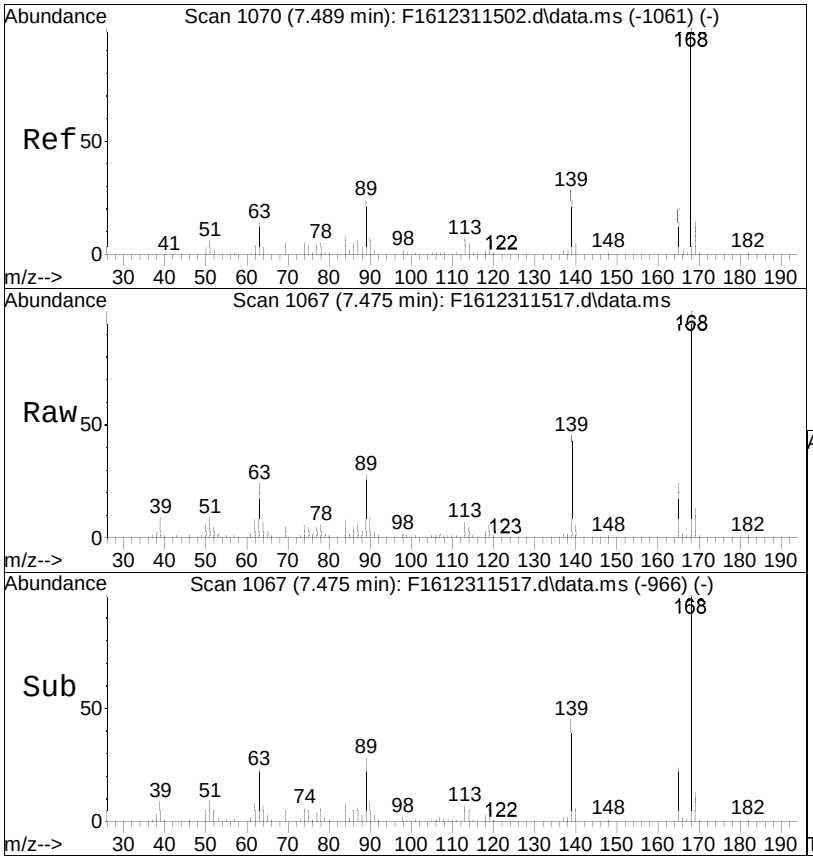


#52
2,4-Dinitrophenol
Concen: 9.16 ug/mL
RT: 7.354 min Scan# 1042
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:184 Resp: 157826

Ion	Ratio	Lower	Upper
184	100		
63	92.6	46.0	69.0#
154	59.2	42.5	63.7

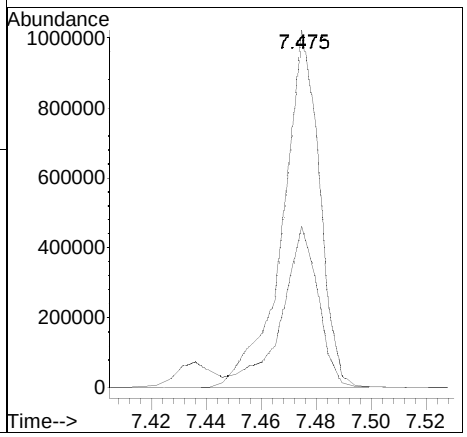


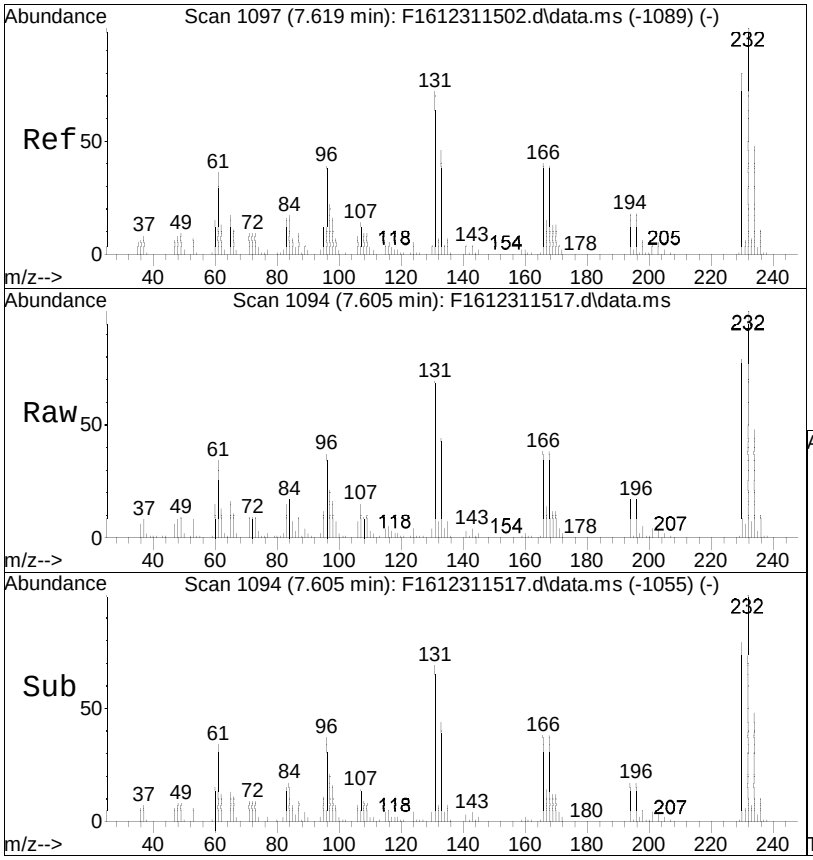


#53
Dibenzofuran
Concen: 7.10 ug/mL
RT: 7.475 min Scan# 1067
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:168 Resp: 949072

Ion	Ratio	Lower	Upper
168	100		
139	45.0	30.2	45.4

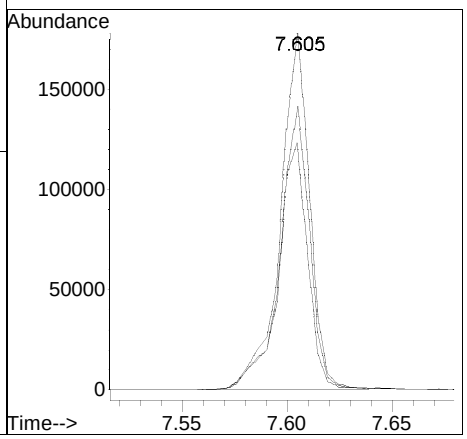


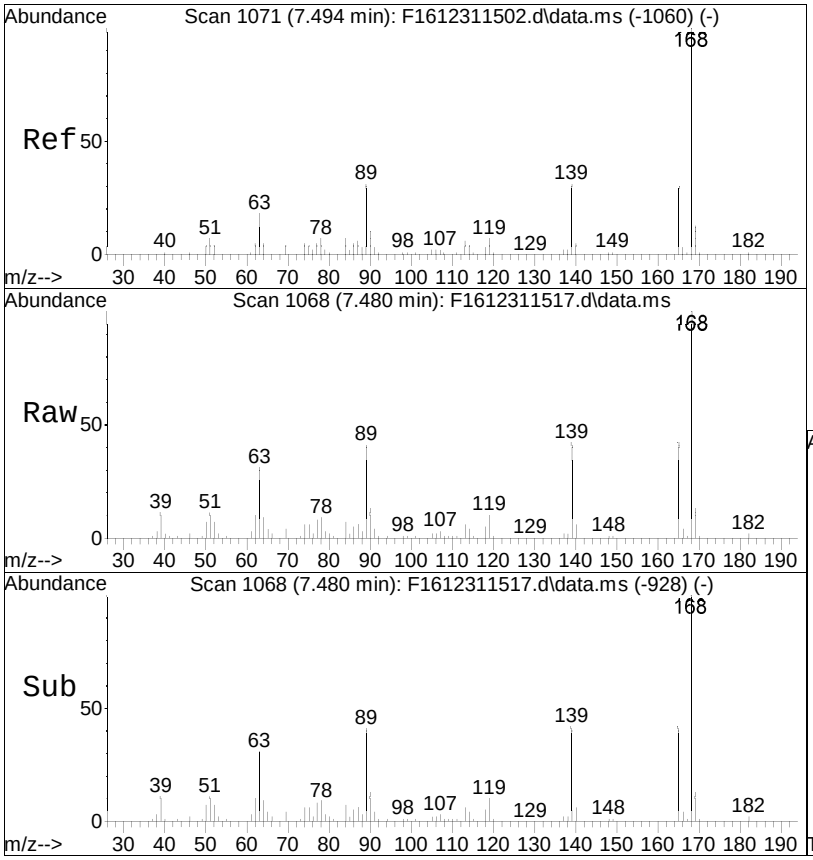


#54
2,3,4,6-Tetrachlorophenol
Concen: 8.77
RT: 7.605 min Scan# 1094
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:232 Resp: 173191

Ion	Ratio	Lower	Upper
232	100		
131	71.4	46.9	70.3#
230	79.8	63.7	95.5

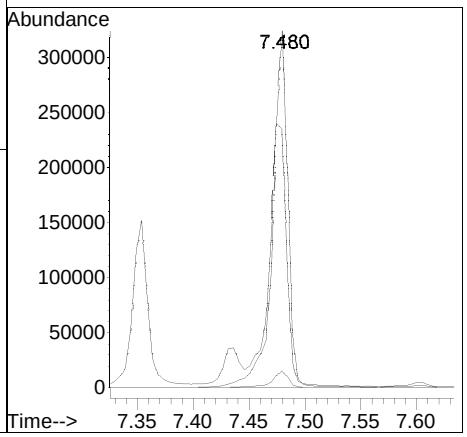


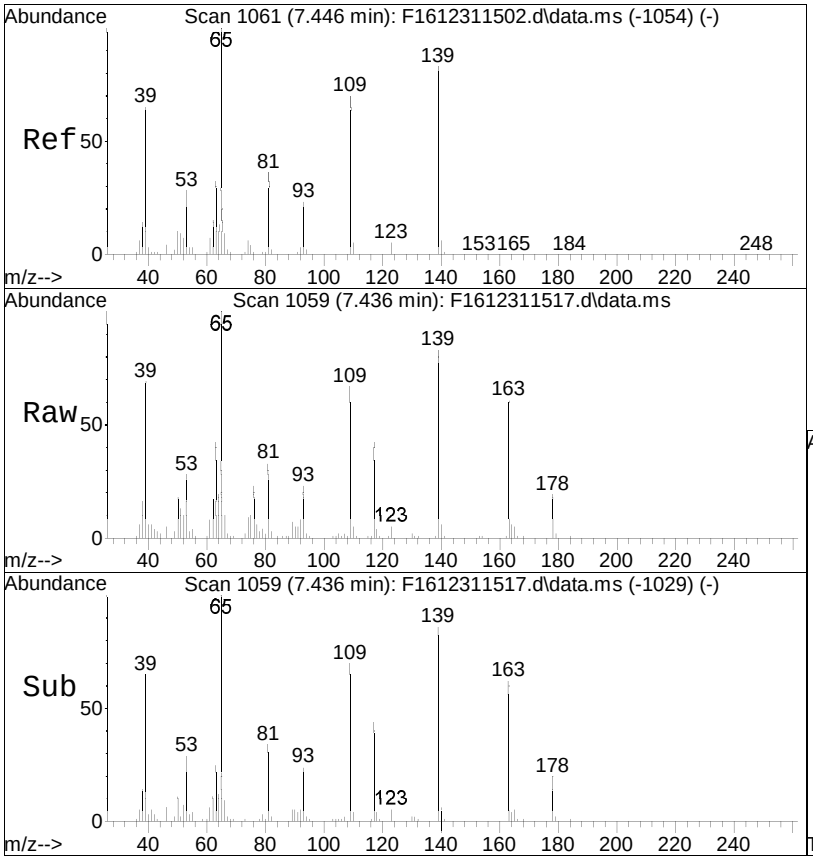


#55
2,4-Dinitrotoluene
Concen: 8.98 ug/mL
RT: 7.480 min Scan# 1068
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:165 Resp: 305533

Ion	Ratio	Lower	Upper
165	100		
63	83.6	33.0	49.6#
182	4.7	3.9	5.9

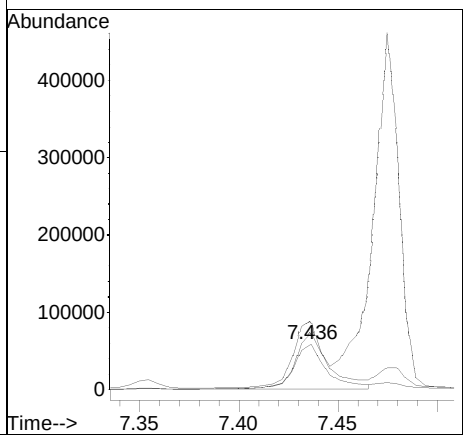


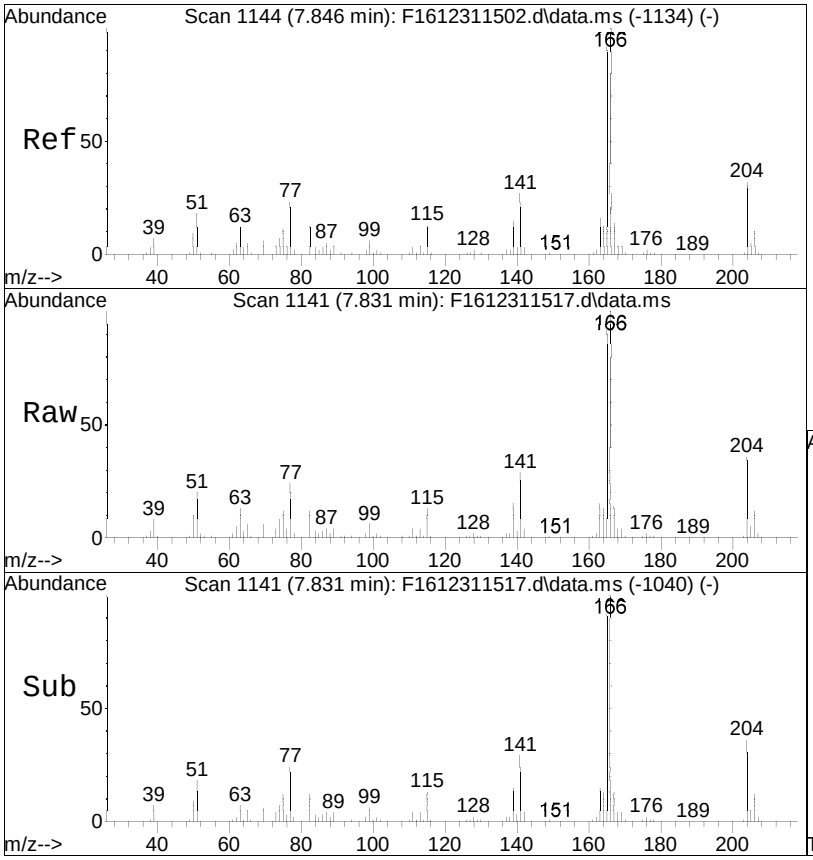


#56
4-Nitrophenol
Concen: 4.26 ug/mL
RT: 7.436 min Scan# 1059
Delta R.T. -0.010 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:109 Resp: 67896

Ion	Ratio	Lower	Upper
109	100		
139	109.4	117.7	176.5#
65	150.5	106.1	159.1

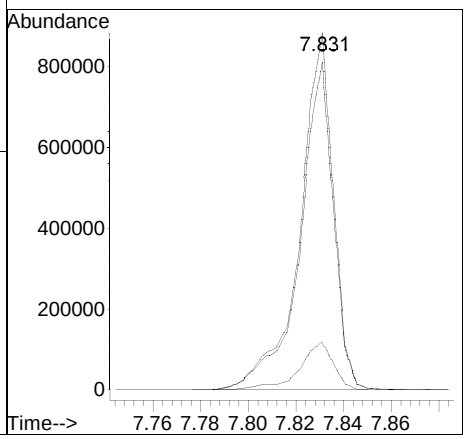


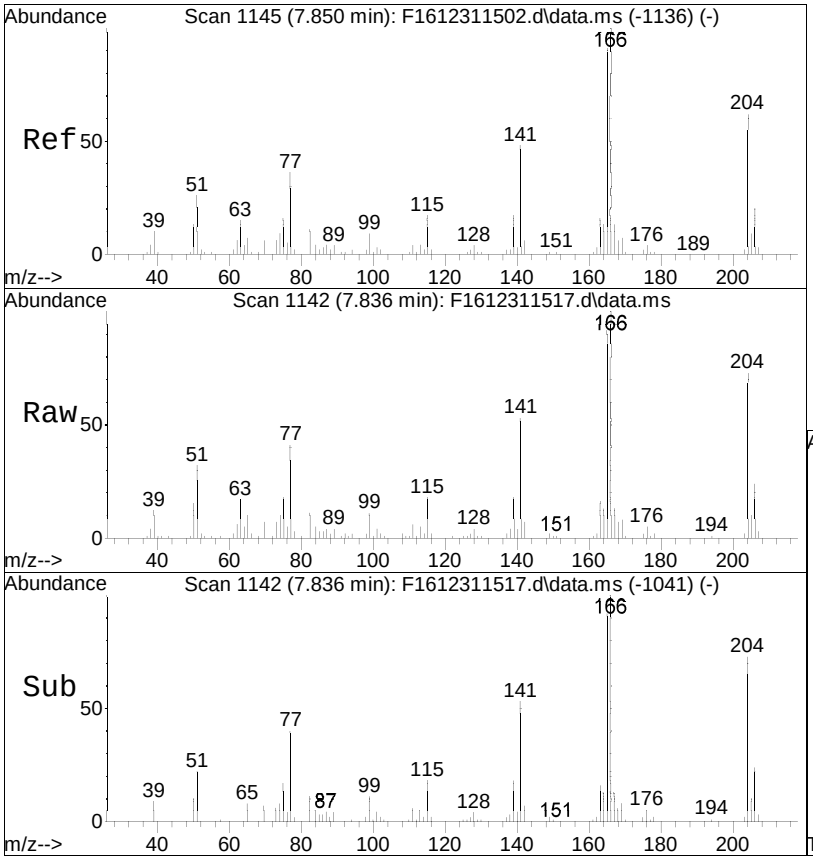


#57
Fluorene
Concen: 7.83 ug/mL
RT: 7.831 min Scan# 1141
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:166 Resp: 862189

Ion	Ratio	Lower	Upper
166	100		
165	91.6	72.0	108.0
167	13.6	10.6	15.8

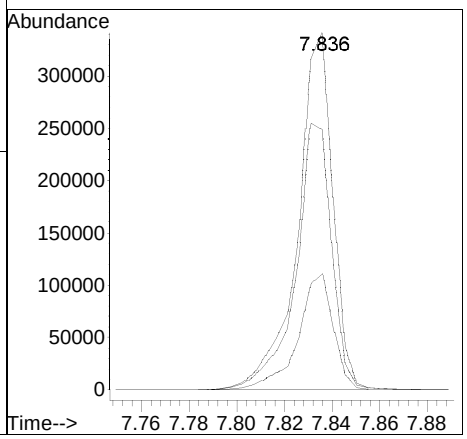


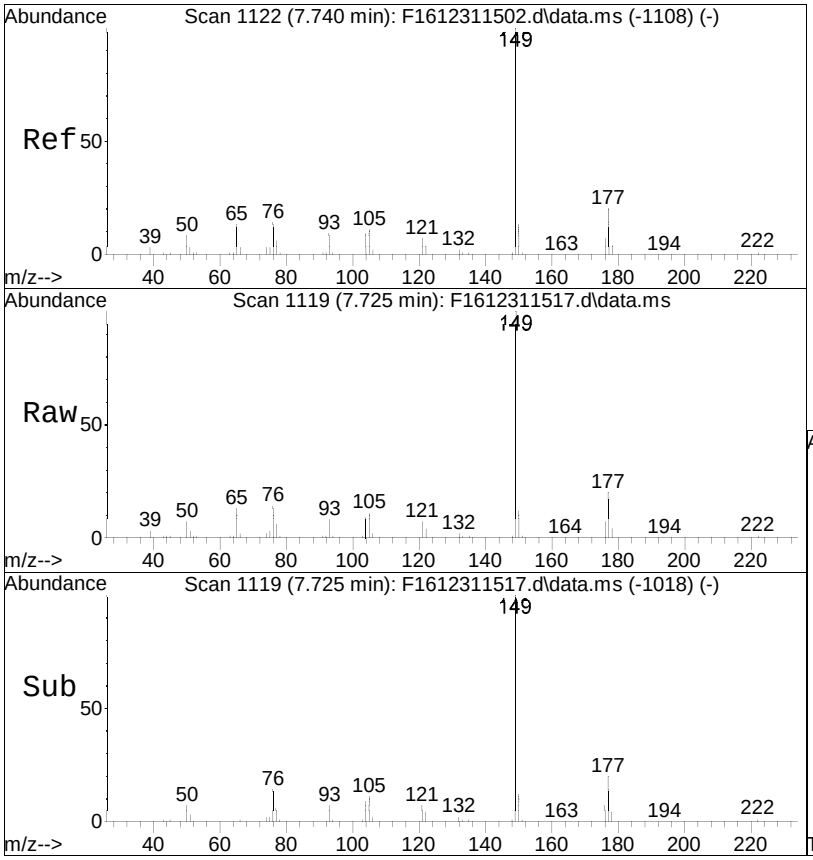


#58
4-Chlorophenyl-phenylether
Concen: 7.38 ug/mL
RT: 7.836 min Scan# 1142
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:204 Resp: 350497

Ion	Ratio	Lower	Upper
204	100		
206	32.9	25.7	38.5
141	76.4	52.9	79.3

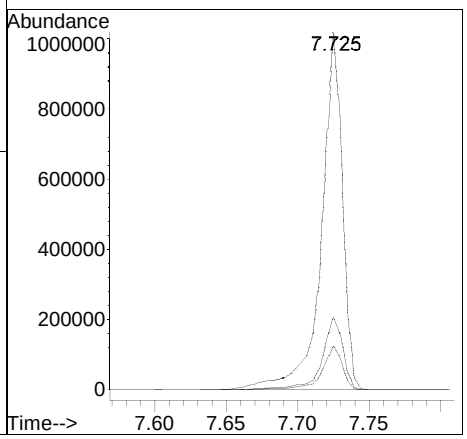


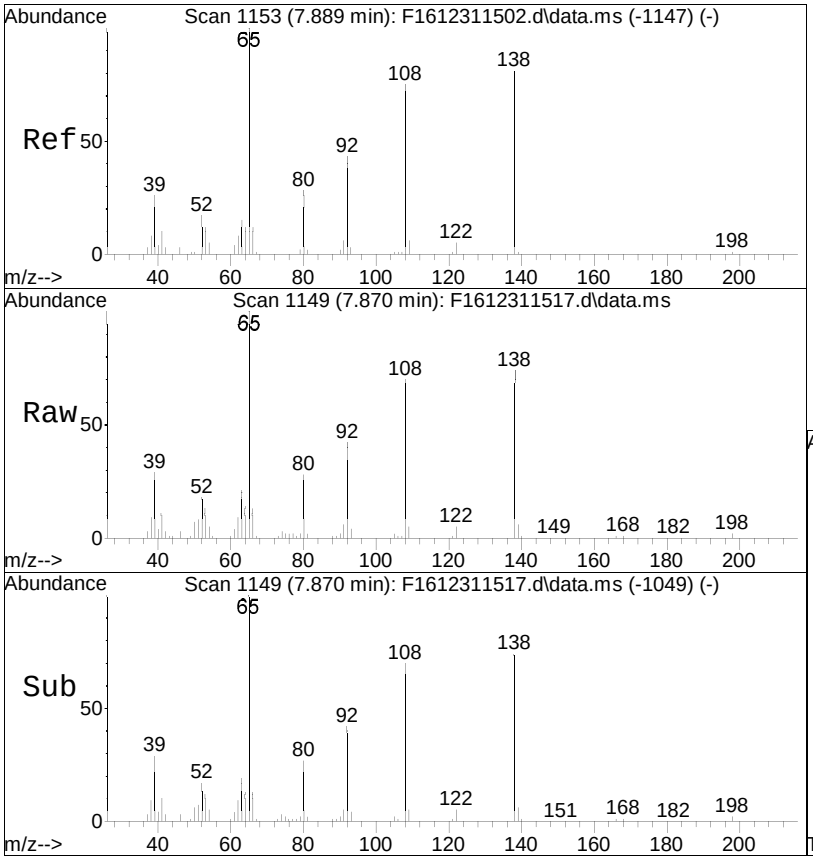


#59
Diethylphthalate
Concen: 9.10 ug/mL
RT: 7.725 min Scan# 1119
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:149 Resp: 1029447

Ion	Ratio	Lower	Upper
149	100		
177	20.4	18.6	27.8
150	12.2	9.8	14.8

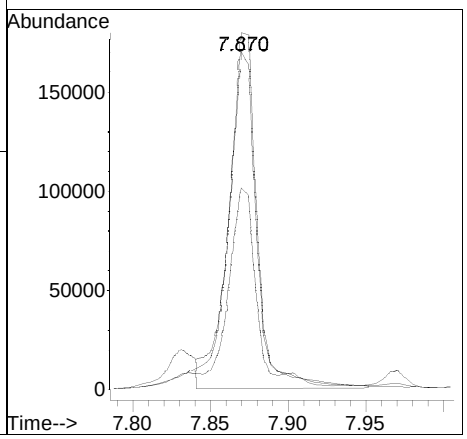


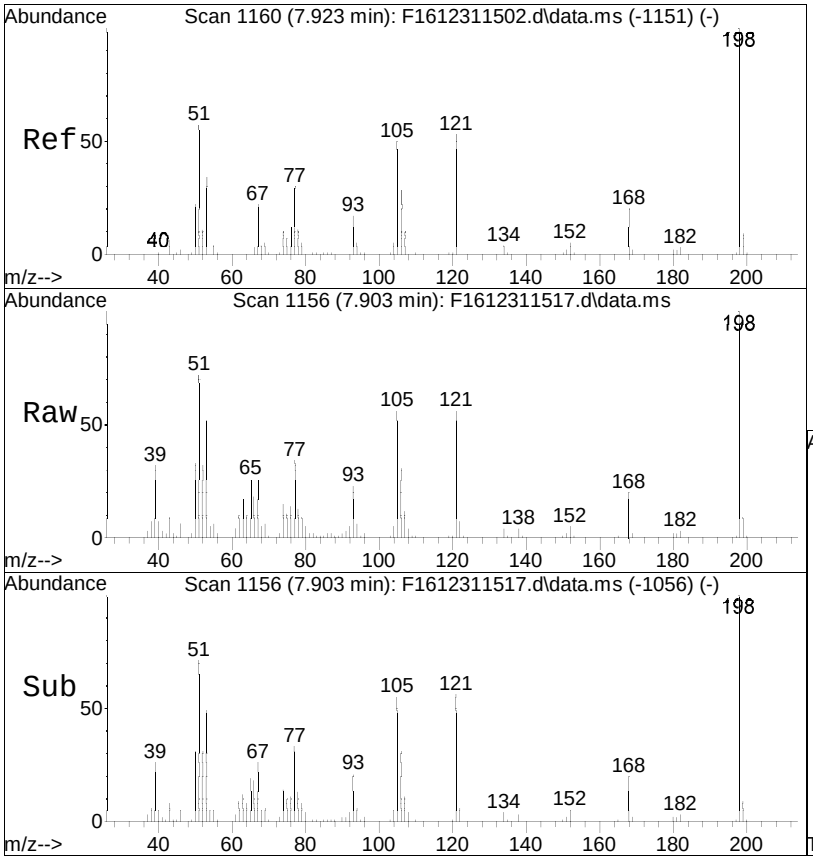


#60
4-Nitroaniline
Concen: 8.27 ug/mL
RT: 7.870 min Scan# 1149
Delta R.T. -0.019 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:138 Resp: 229396

Ion	Ratio	Lower	Upper
138	100		
92	52.0	37.7	56.5
108	98.7	57.6	86.4#

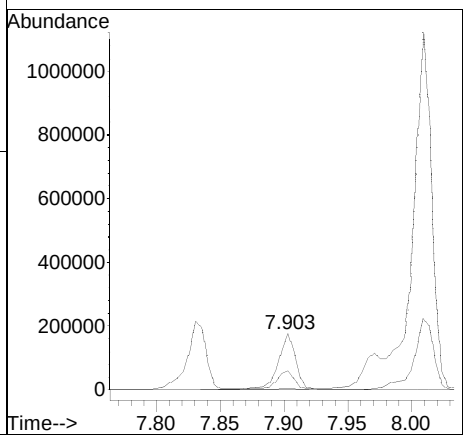


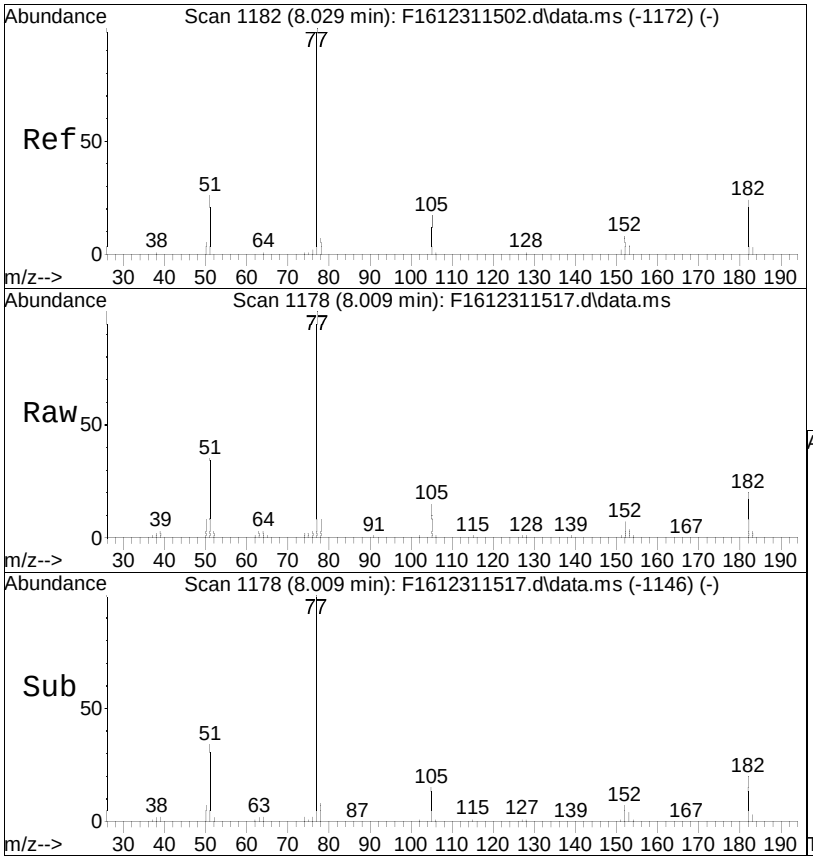


#62
4,6-Dinitro-2-methylphenol
Concen: 8.94 ug/mL
RT: 7.903 min Scan# 1156
Delta R.T. -0.019 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:198 Resp: 175540

Ion	Ratio	Lower	Upper
198	100		
182	3.1	0.0	0.0#
77	31.4	0.0	0.0#

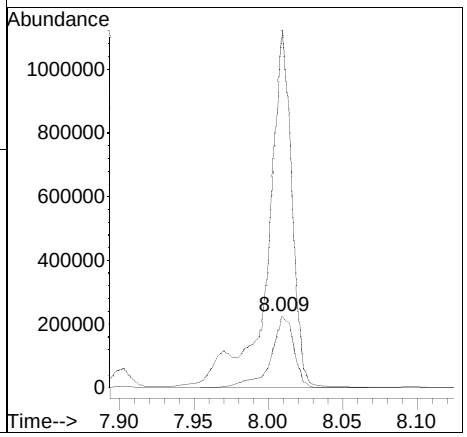


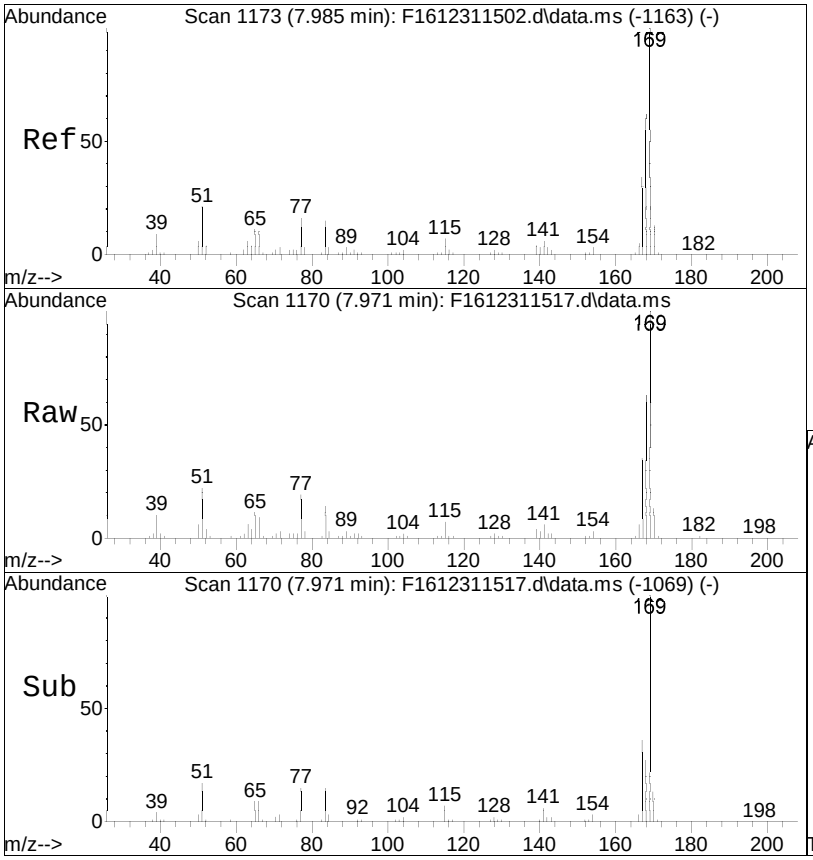


#63
Azobenzene
Concen: 8.14 ug/mL
RT: 8.009 min Scan# 1178
Delta R.T. -0.019 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:182 Resp: 245834

Ion	Ratio	Lower	Upper
182	100		
77	463.5	56.3	647.3

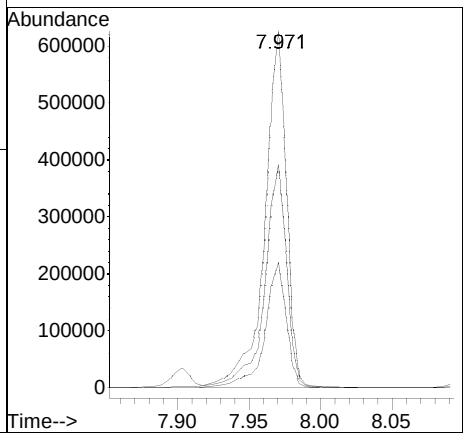


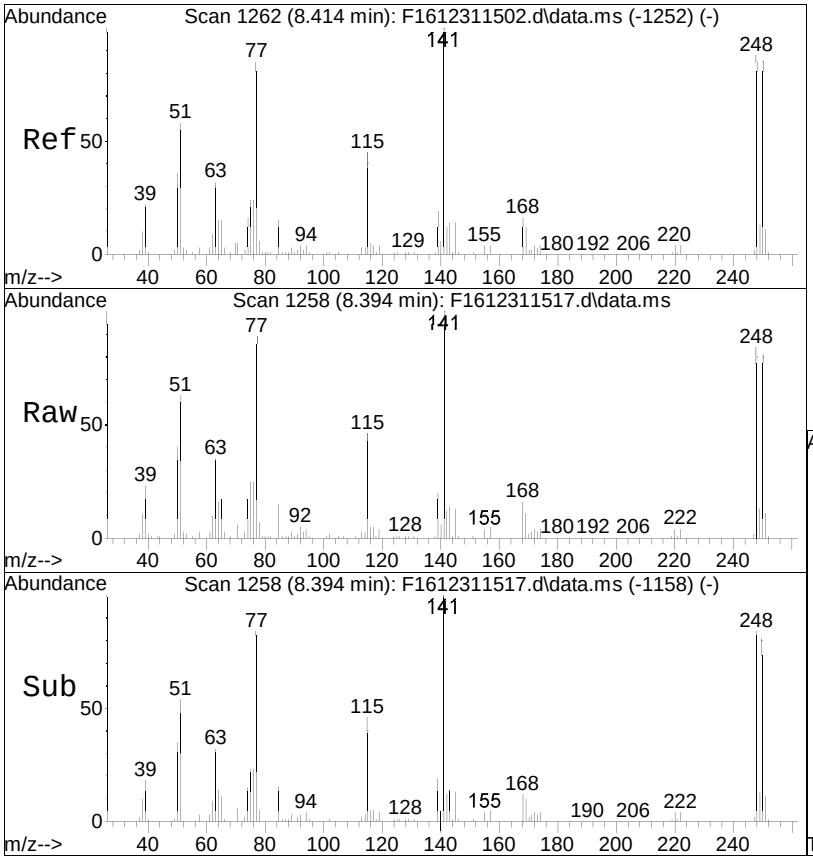


#64
n-Nitrosodiphenylamine
Concen: 8.60 ug/mL
RT: 7.971 min Scan# 1170
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:169 Resp: 654687

Ion	Ratio	Lower	Upper
169	100		
168	63.4	50.7	76.1
167	35.7	28.0	42.0

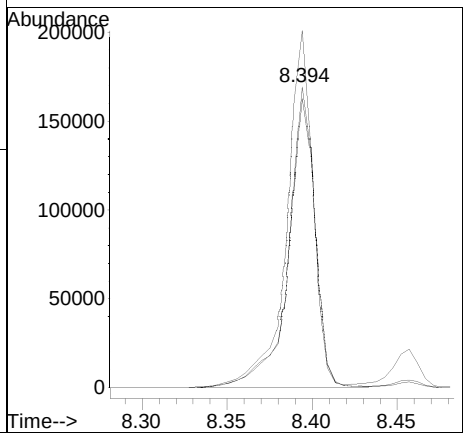


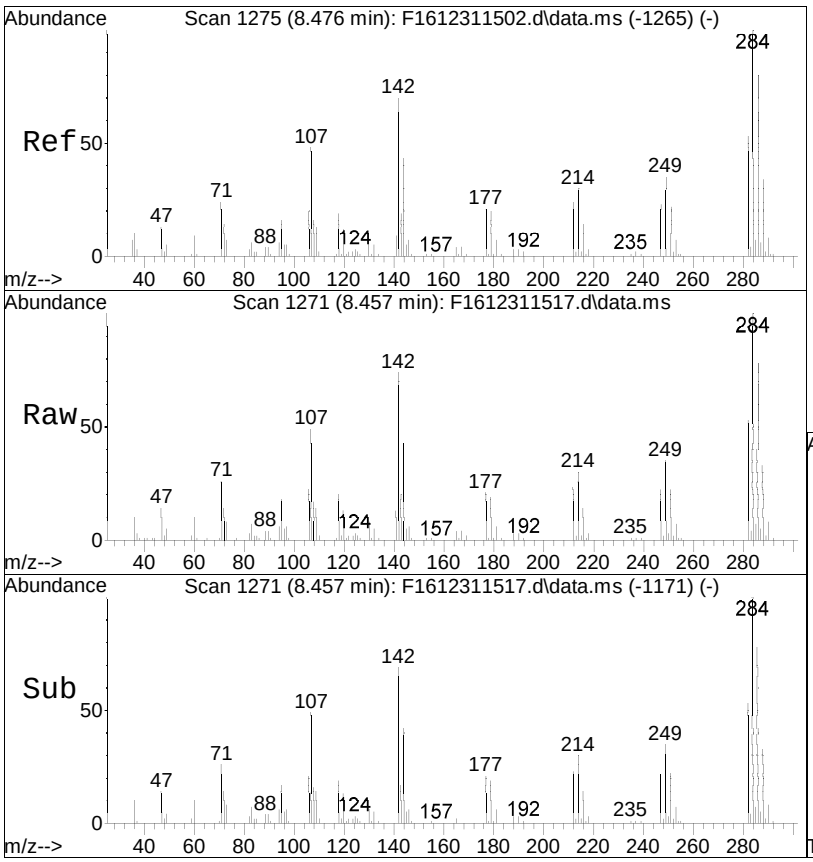


#66
4-Bromophenyl-phenylether
Concen: 7.97 ug/mL
RT: 8.394 min Scan# 1258
Delta R.T. -0.019 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:248 Resp: 185111

Ion	Ratio	Lower	Upper
248	100		
250	96.7	76.2	114.2
141	117.1	74.1	111.1#

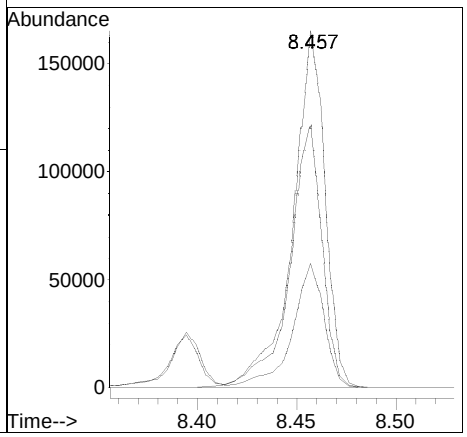


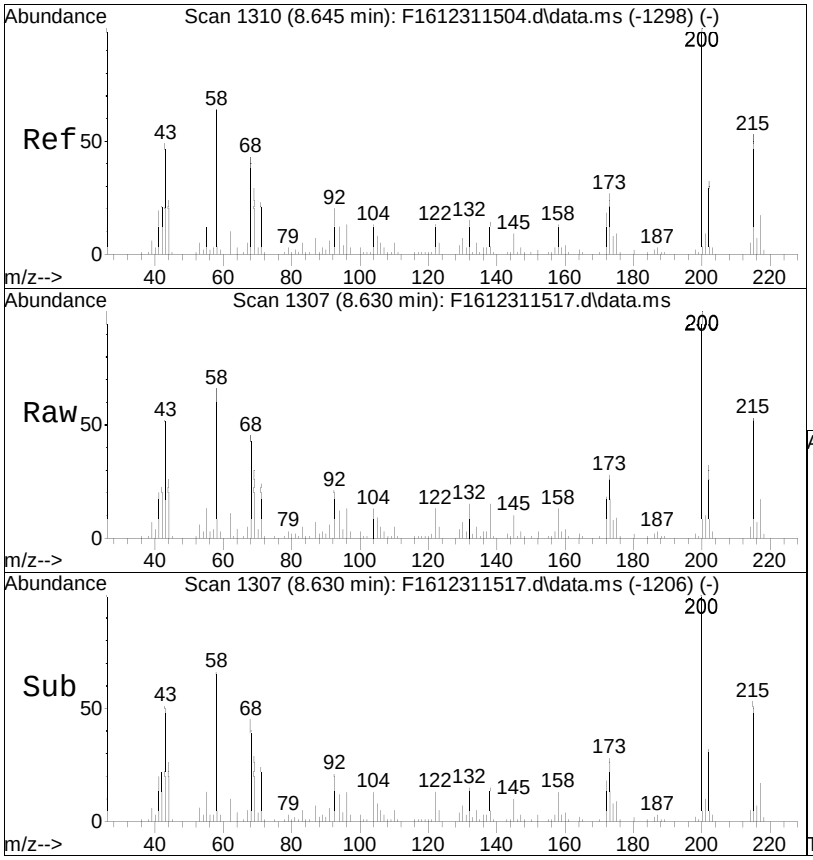


#67
Hexachlorobenzene
Concen: 8.05 ug/mL
RT: 8.457 min Scan# 1271
Delta R.T. -0.019 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:284 Resp: 186088

Ion	Ratio	Lower	Upper
284	100		
142	73.6	41.2	61.8#
249	34.5	25.4	38.0

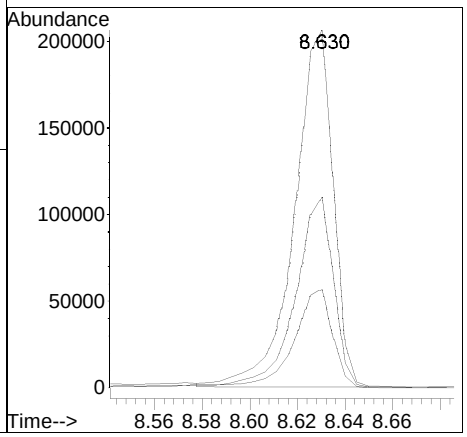


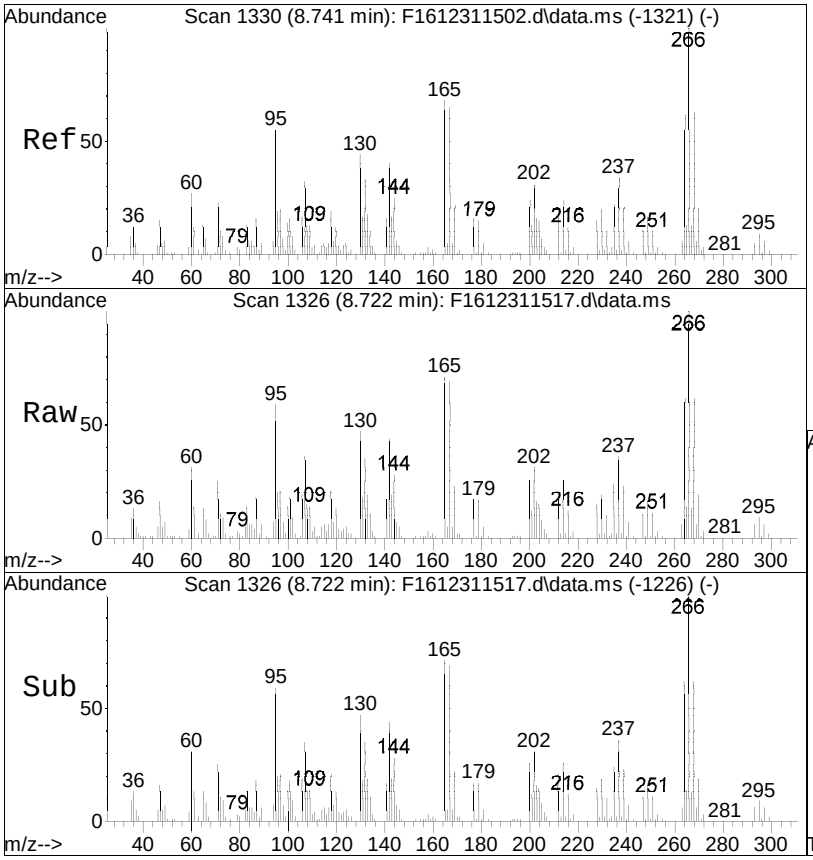


#68
Atrazine
Concen: 9.01 ug/ml
RT: 8.630 min Scan# 1307
Delta R.T. -0.015 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:200 Resp: 231790

Ion	Ratio	Lower	Upper
200	100		
173	27.1	22.3	33.5
215	51.9	41.4	62.0

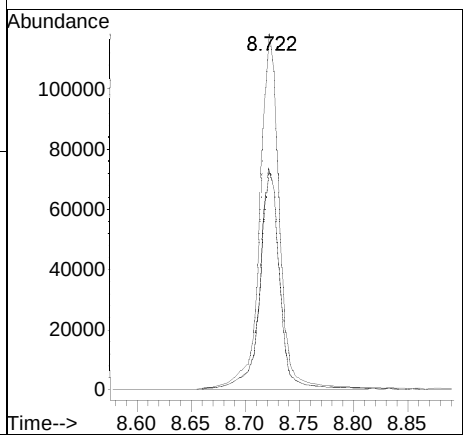


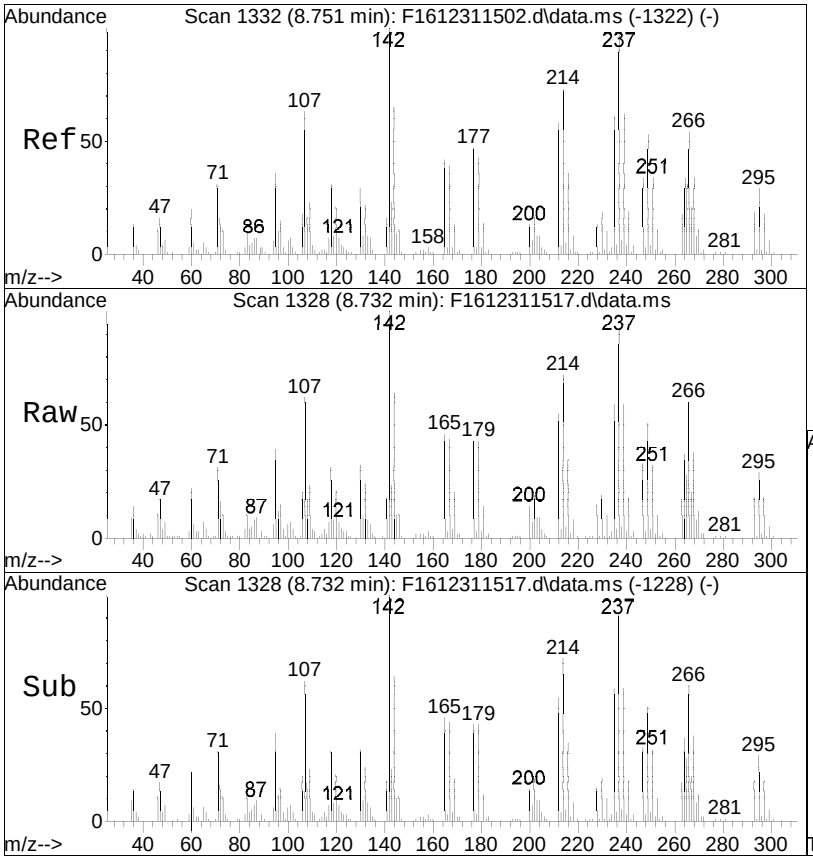


#69
Pentachlorophenol
Concen: 9.02 ug/mL
RT: 8.722 min Scan# 1326
Delta R.T. -0.019 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:266 Resp: 149374

Ion	Ratio	Lower	Upper
266	100		
264	63.1	50.2	75.4
268	62.0	49.4	74.0

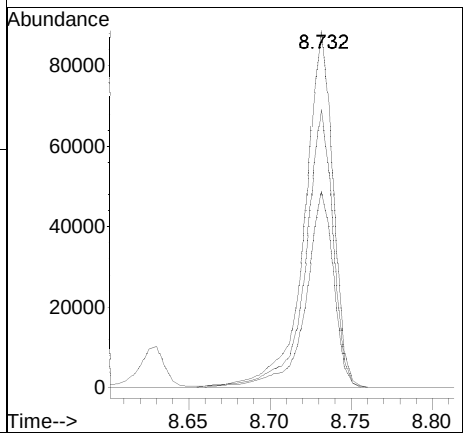


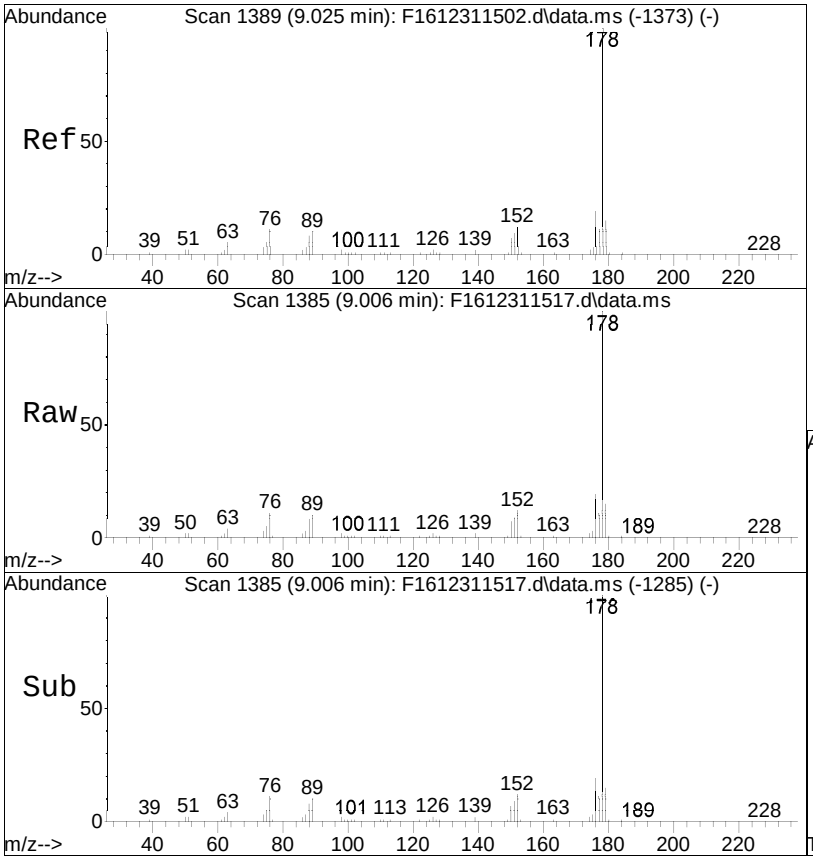


#70
Pentachloronitrobenzene
Concen: 9.55 ug/ml
RT: 8.732 min Scan# 1328
Delta R.T. -0.019 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:237 Resp: 109222

Ion	Ratio	Lower	Upper
237	100		
214	75.1	59.4	89.2
249	53.5	46.4	69.6

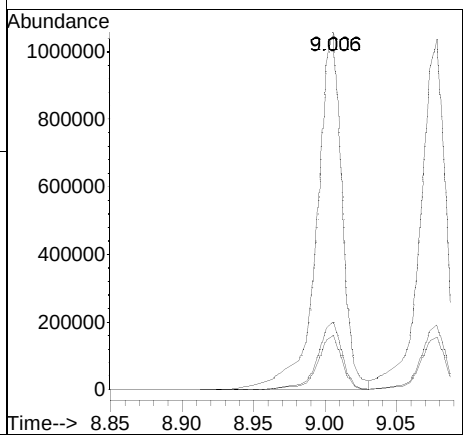


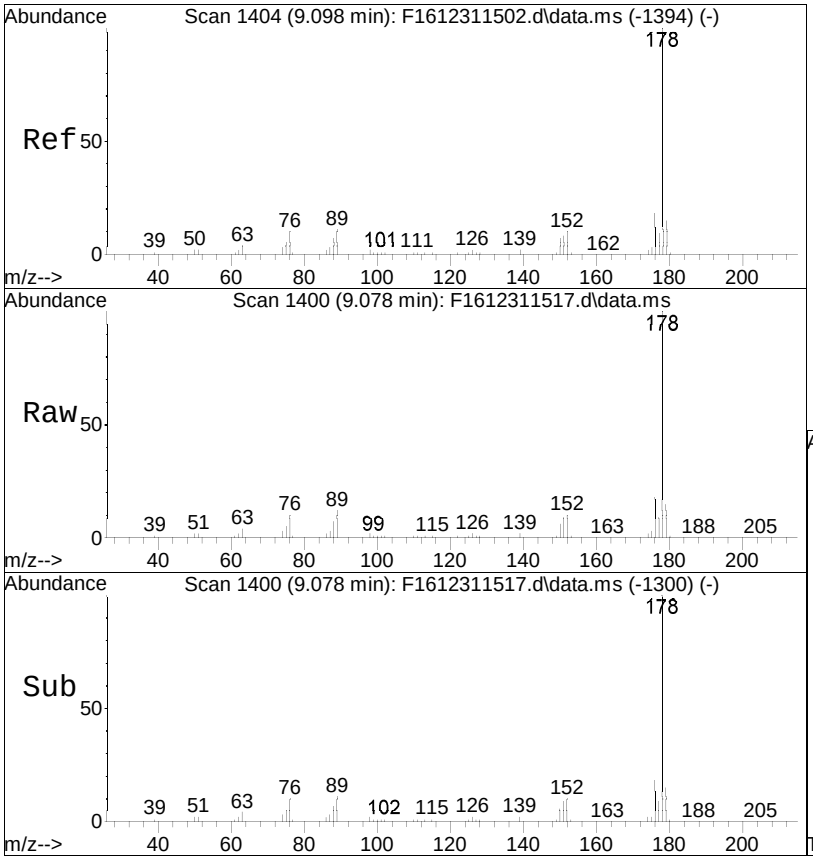


#71
Phenanthrene
Concen: 8.68 ug/mL
RT: 9.006 min Scan# 1385
Delta R.T. -0.019 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:178 Resp: 1313222

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.2
176	19.0	15.1	22.7

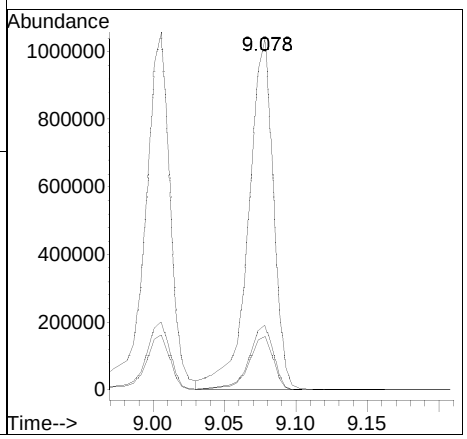


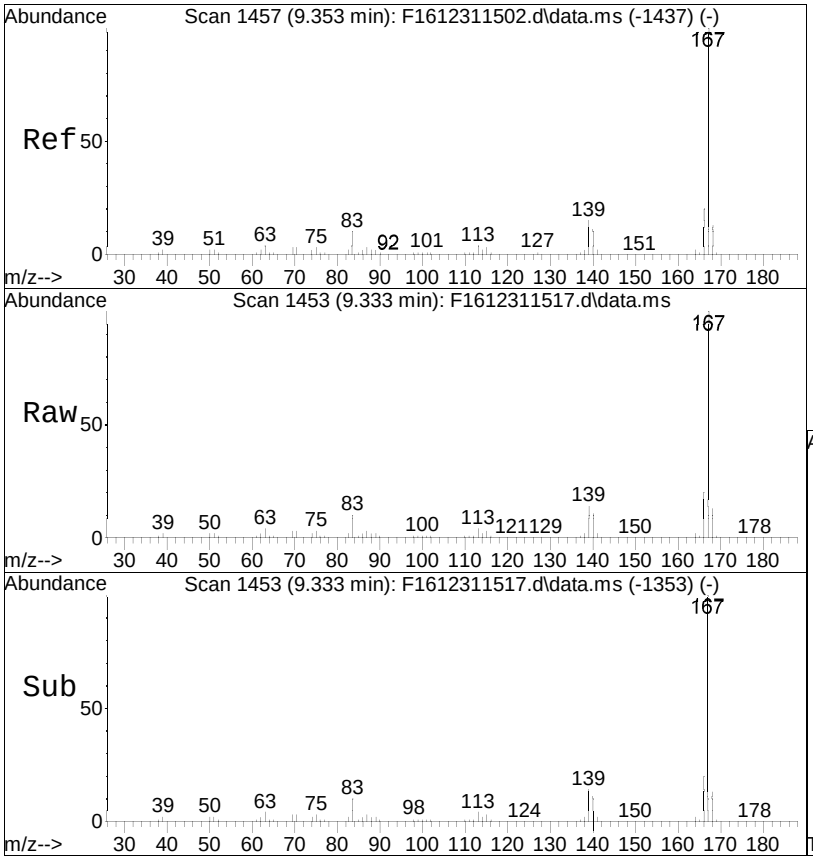


#72
Anthracene
Concen: 8.62 ug/mL
RT: 9.078 min Scan# 1400
Delta R.T. -0.019 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:178 Resp: 1269604

Ion	Ratio	Lower	Upper
178	100		
179	15.1	11.8	17.6
176	18.2	14.2	21.4

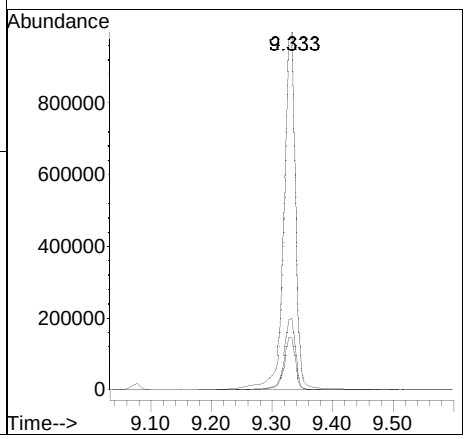


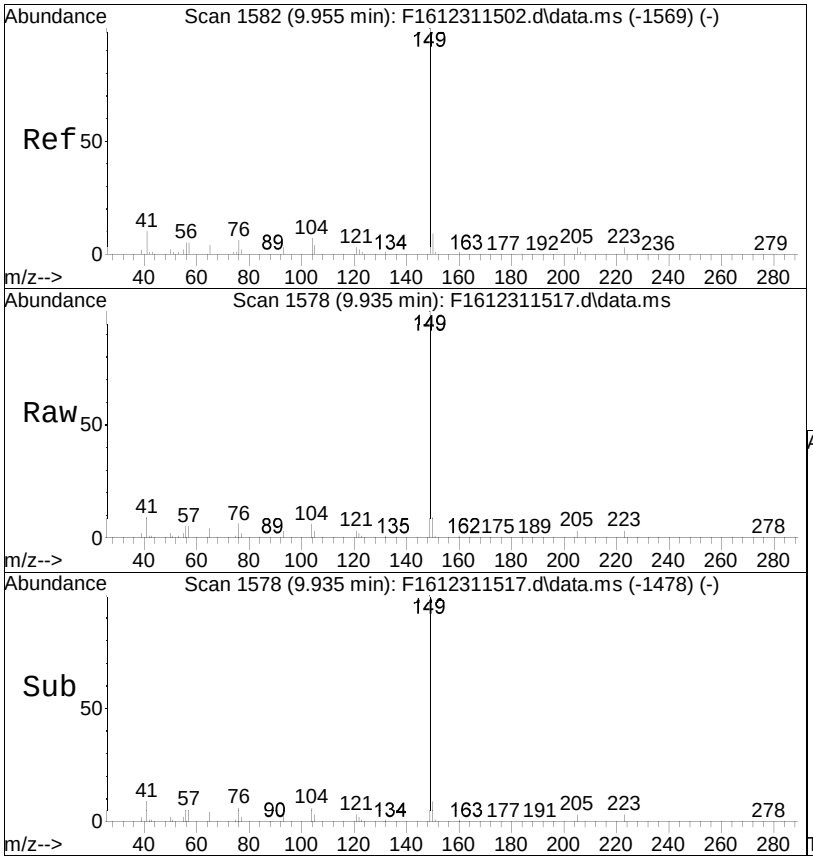


#73
Carbazole
Concen: 9.21 ug/mL
RT: 9.333 min Scan# 1453
Delta R.T. -0.019 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:167 Resp: 1321472

Ion	Ratio	Lower	Upper
167	100		
139	14.1	10.2	15.2
166	20.0	16.1	24.1

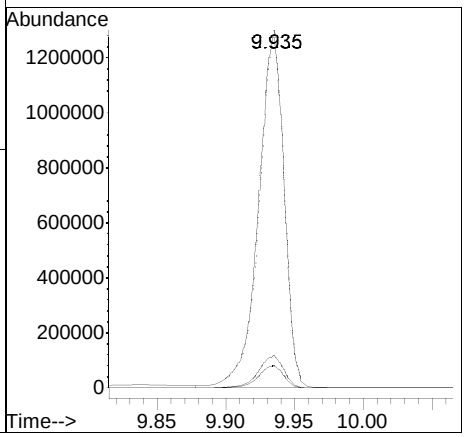


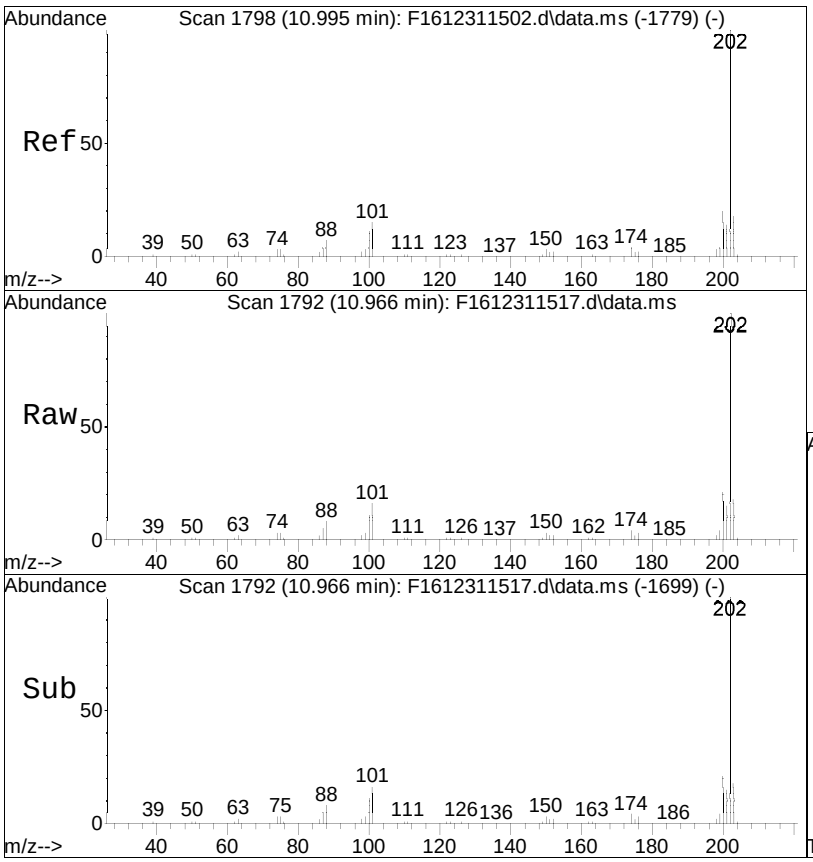


#74
Di-n-butylphthalate
Concen: 9.28 ug/mL
RT: 9.935 min Scan# 1578
Delta R.T. -0.019 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:149 Resp: 1641939

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.0	10.4
104	6.3	3.9	5.9#

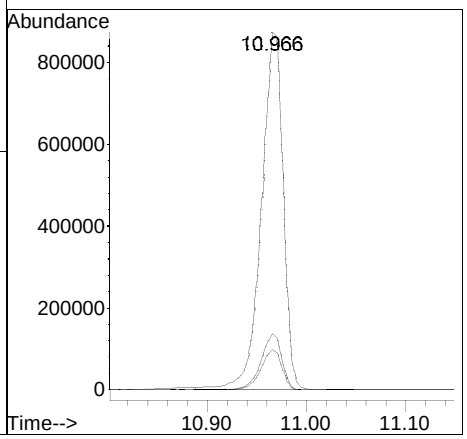


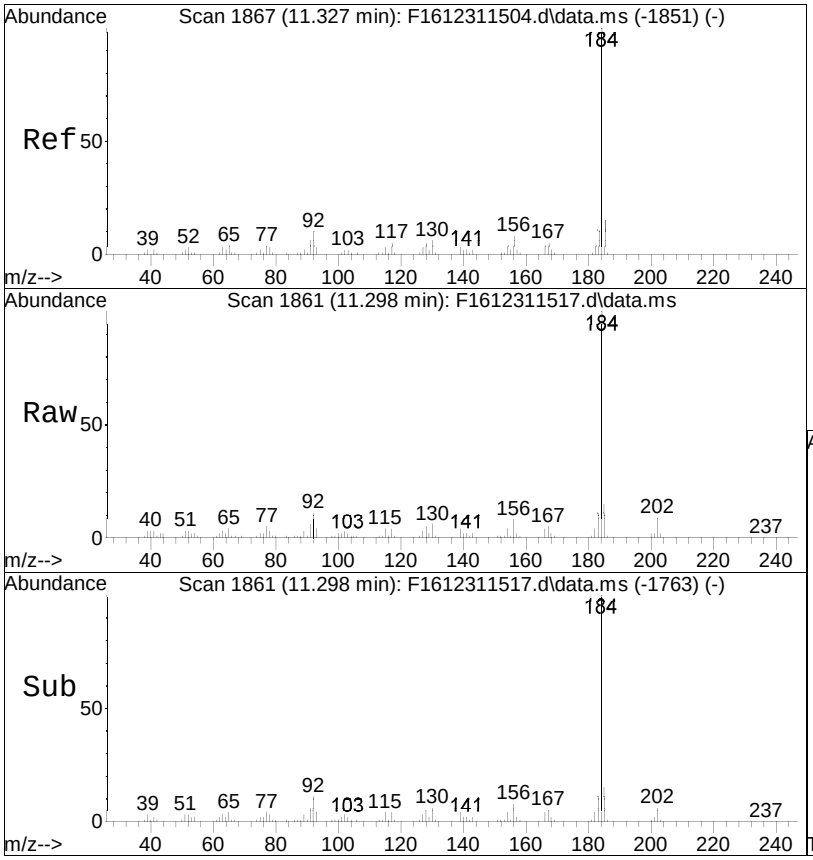


#75
Fluoranthene
Concen: 8.79 ug/mL
RT: 10.966 min Scan# 1792
Delta R.T. -0.029 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:202 Resp: 1305798

Ion	Ratio	Lower	Upper
202	100		
101	15.2	10.3	15.5
100	11.2	7.5	11.3

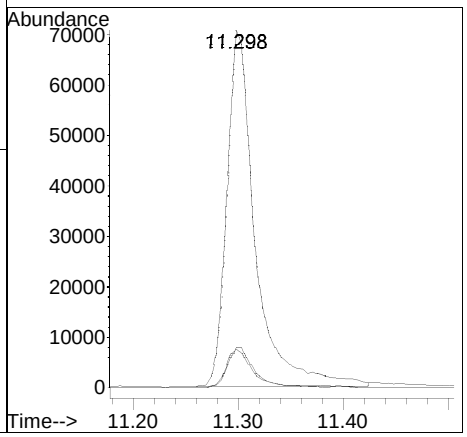


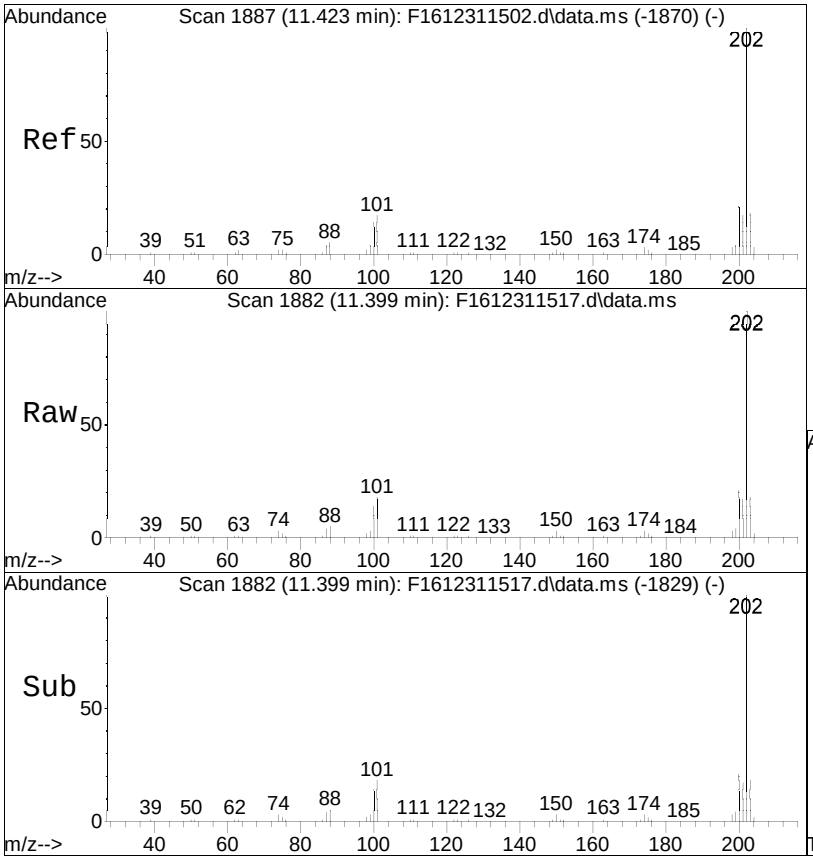


#77
Benzidine
Concen: 1.41 ug/mL
RT: 11.298 min Scan# 1861
Delta R.T. -0.029 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:184 Resp: 130860

Ion	Ratio	Lower	Upper
184	100		
183	10.8	9.0	13.4
92	10.3	8.2	12.2

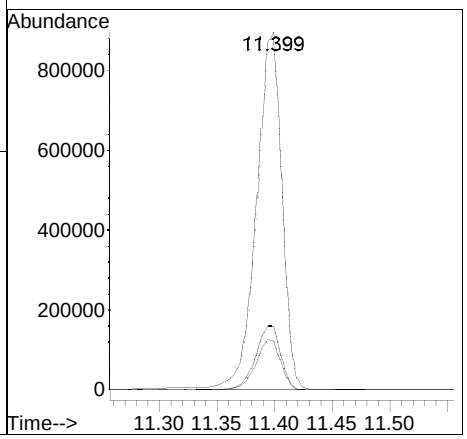


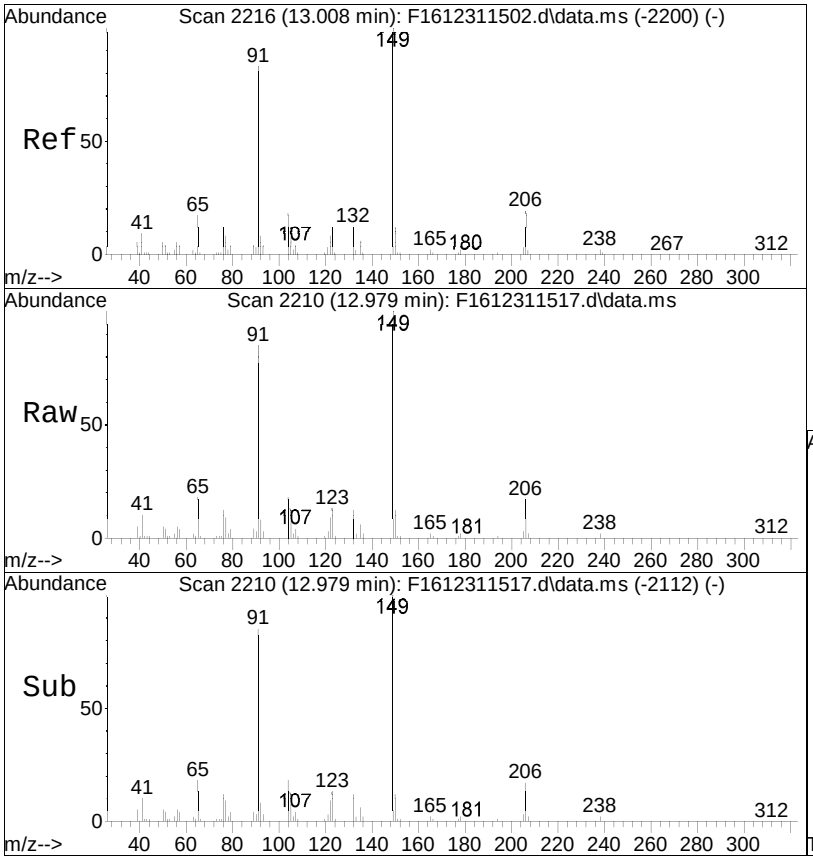


#78
Pyrene
Concen: 9.13 ug/mL
RT: 11.399 min Scan# 1882
Delta R.T. -0.024 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:202 Resp: 1348895

Ion	Ratio	Lower	Upper
202	100		
101	18.0	12.0	18.0
100	14.1	9.3	13.9#

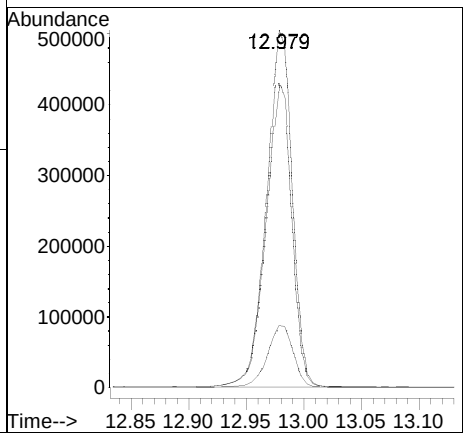


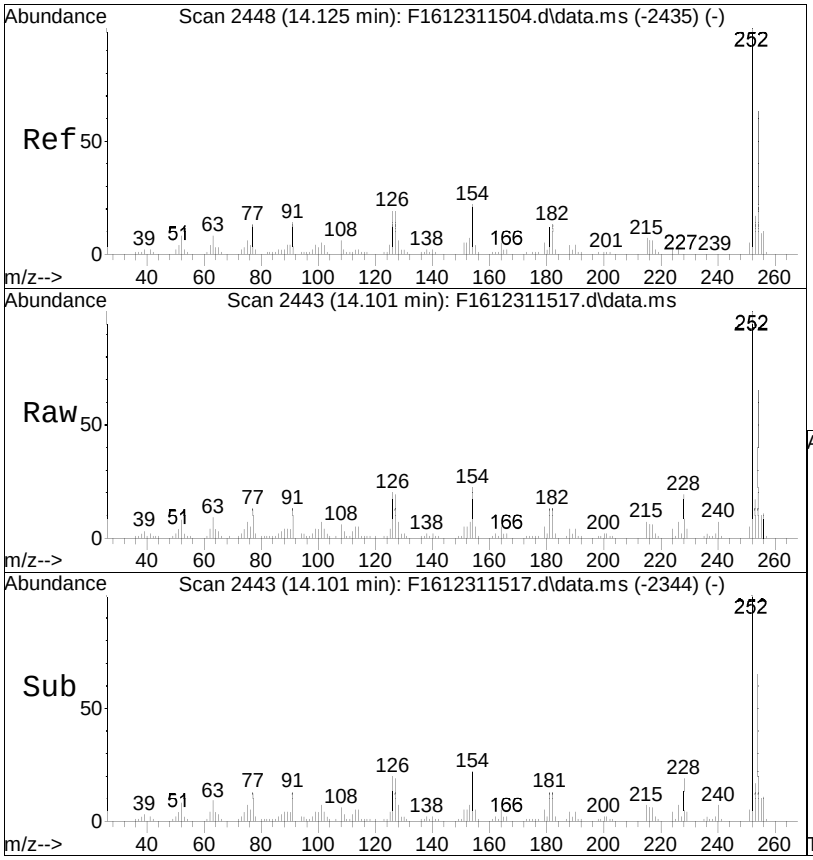


#80
Butylbenzylphthalate
Concen: 9.86 ug/mL
RT: 12.979 min Scan# 2210
Delta R.T. -0.029 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:149 Resp: 772284

Ion	Ratio	Lower	Upper
149	100		
91	84.9	57.8	86.6
206	17.9	18.3	27.5#

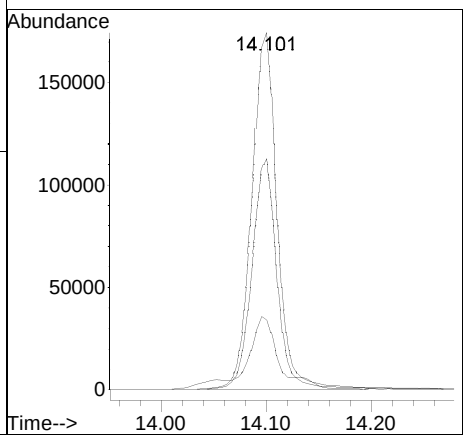


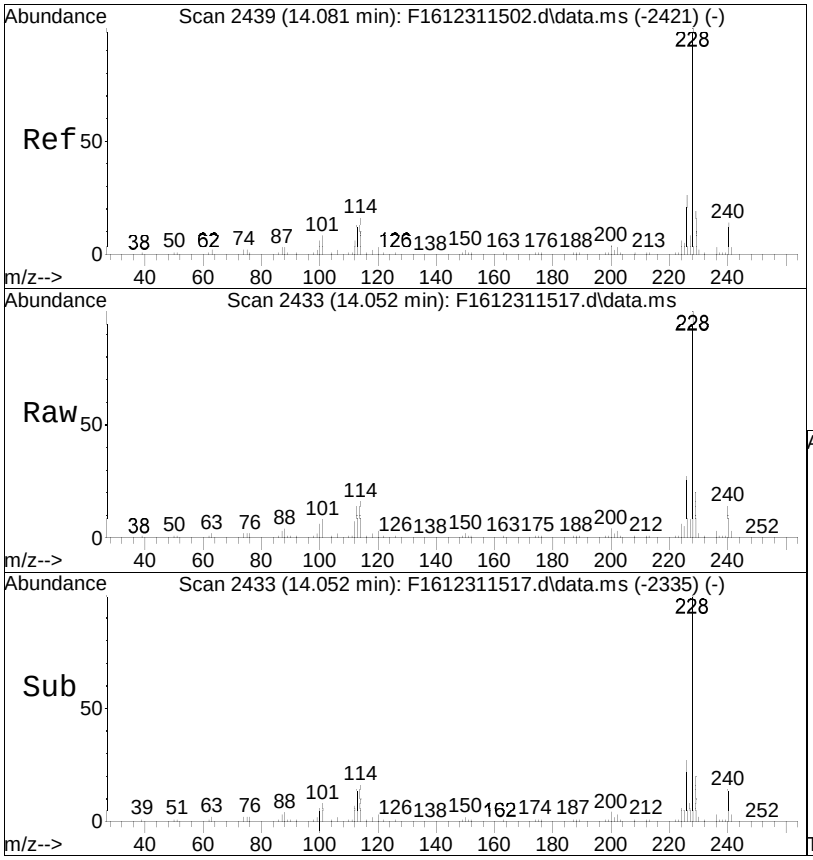


#81
3,3'-Dichlorobenzidine
Concen: 6.70 ug/mL
RT: 14.101 min Scan# 2443
Delta R.T. -0.024 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:252 Resp: 291441

Ion	Ratio	Lower	Upper
252	100		
254	64.0	50.8	76.2
126	20.5	16.4	24.6

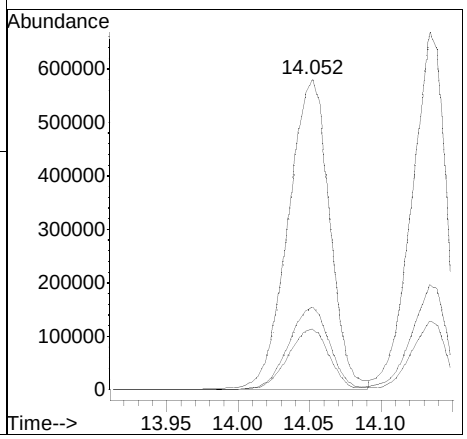


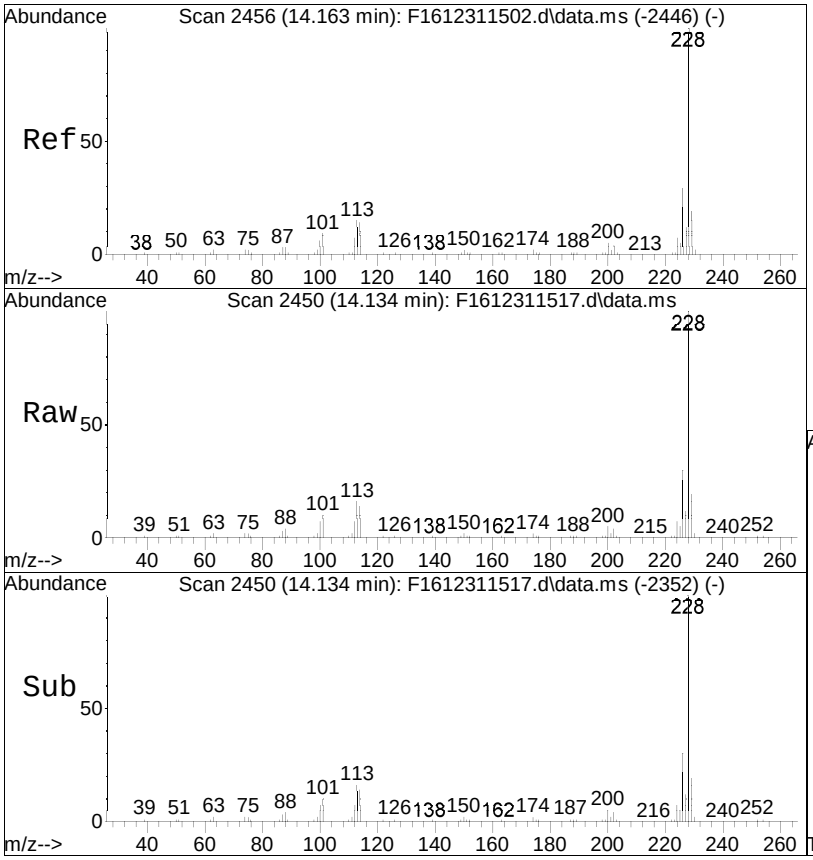


#82
Benz[a]anthracene
Concen: 8.88 ug/mL
RT: 14.052 min Scan# 2433
Delta R.T. -0.029 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:228 Resp: 1166144

Ion	Ratio	Lower	Upper
228	100		
229	19.6	16.1	24.1
226	26.5	21.3	31.9

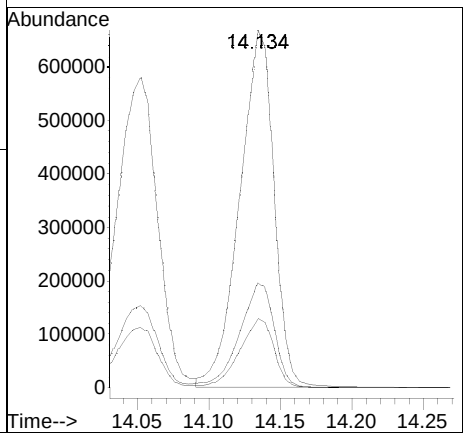


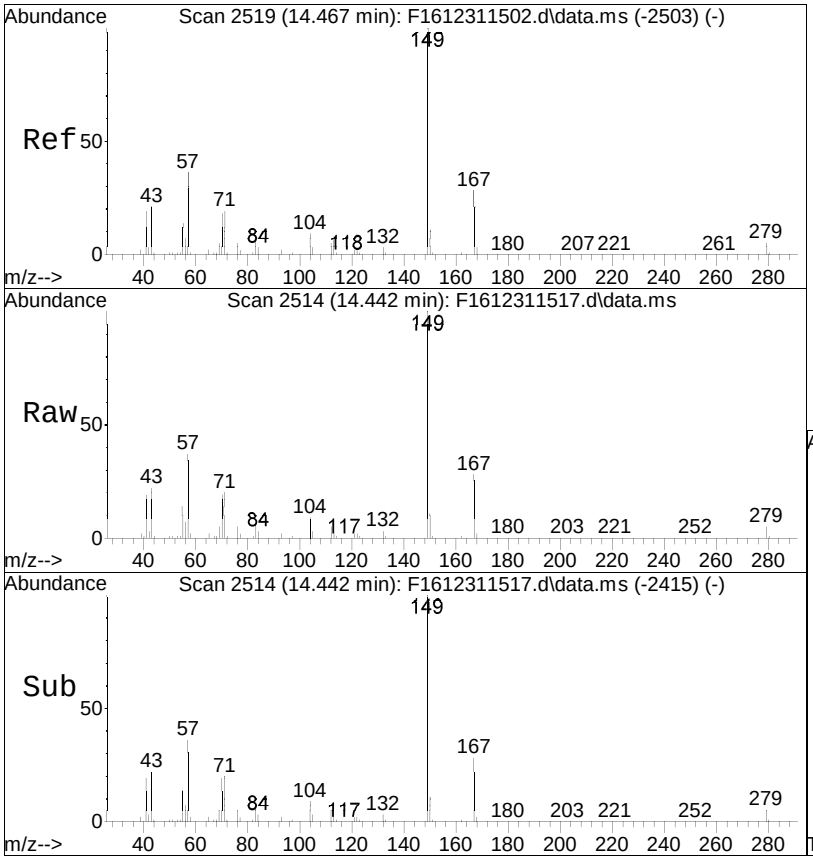


#83
Chrysene
Concen: 8.84 ug/mL
RT: 14.134 min Scan# 2450
Delta R.T. -0.029 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:228 Resp: 1106397

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.6	35.4
229	19.5	15.4	23.0

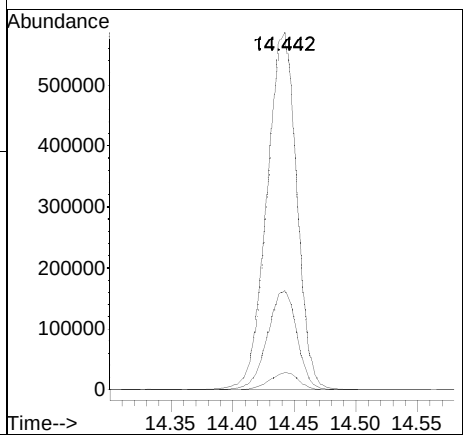


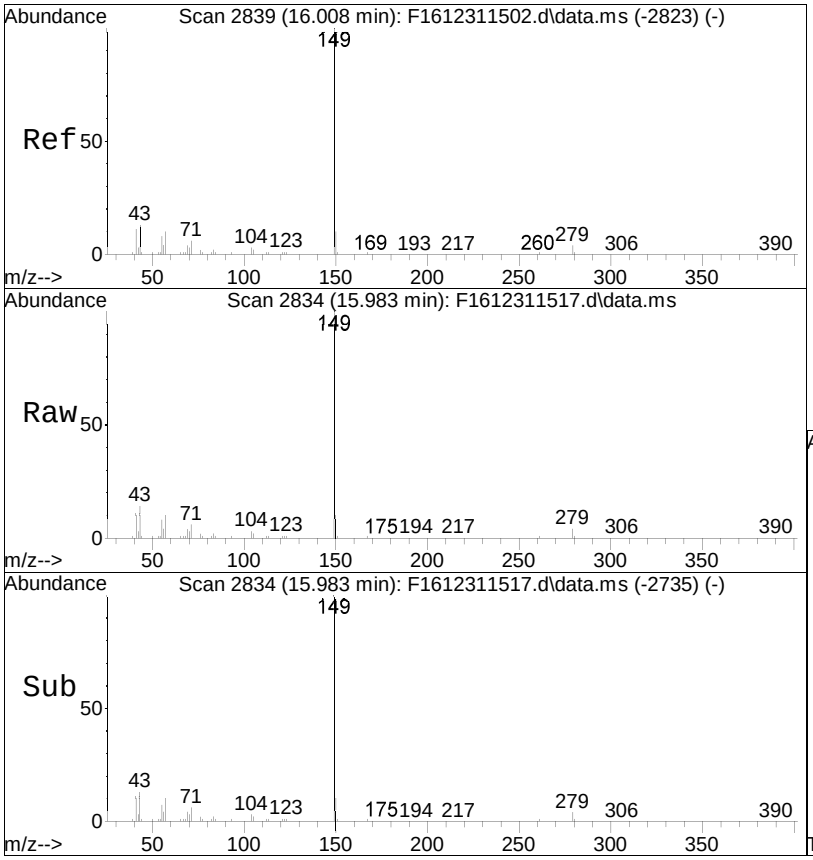


#84
bis(2-Ethylhexyl)phthalate
Concen: 9.62 ug/mL
RT: 14.442 min Scan# 2514
Delta R.T. -0.024 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:149 Resp: 977616

Ion	Ratio	Lower	Upper
149	100		
167	27.9	26.2	39.4
279	4.8	5.2	7.8#

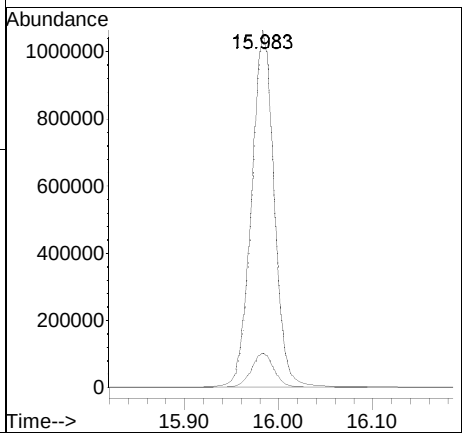


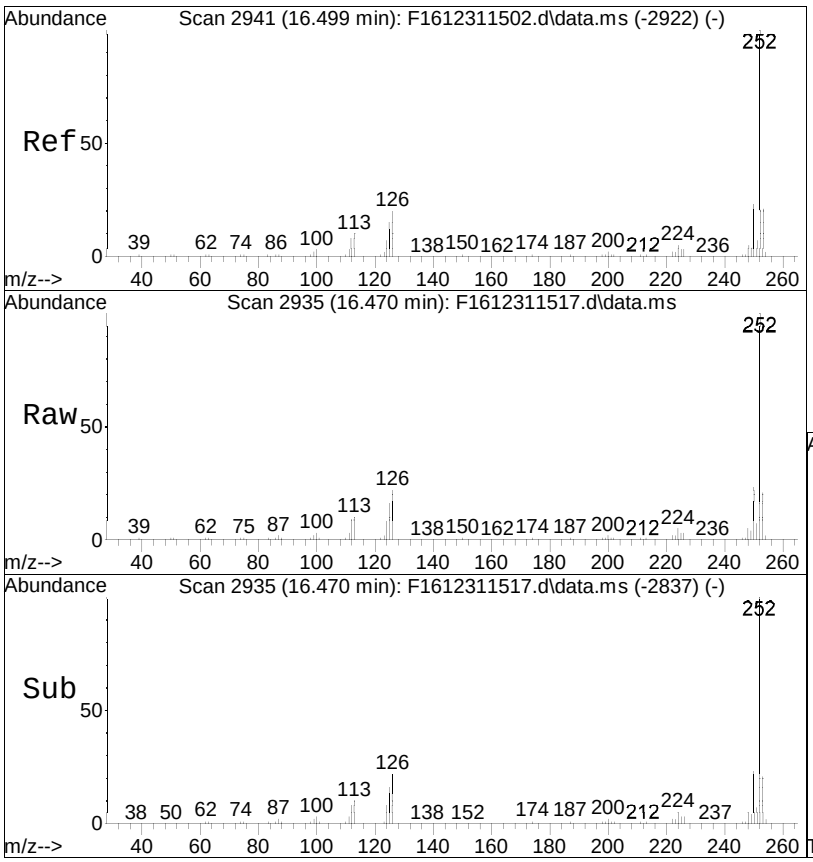


#86
Di-n-octylphthalate
Concen: 10.21 ug/mL
RT: 15.983 min Scan# 2834
Delta R.T. -0.024 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:149 Resp: 1748093

Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.9	11.9

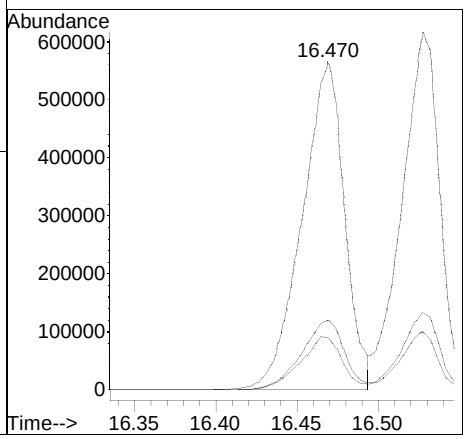


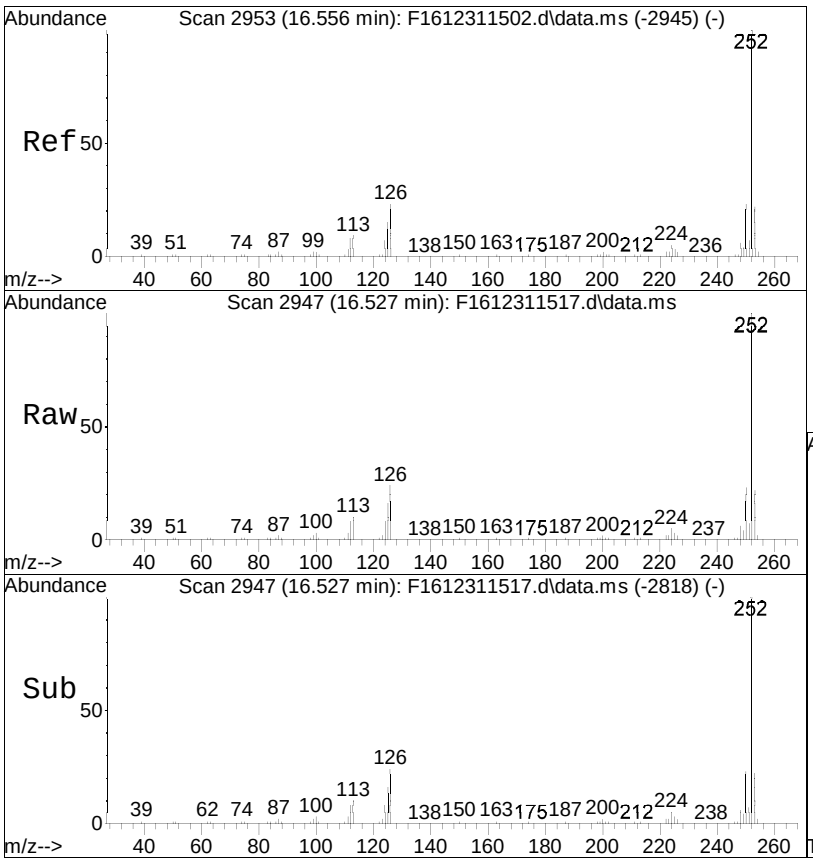


#87
Benzo[b]fluoranthene
Concen: 9.15 ug/mL
RT: 16.470 min Scan# 2935
Delta R.T. -0.029 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:252 Resp: 1025442

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	16.3	10.6	16.0#

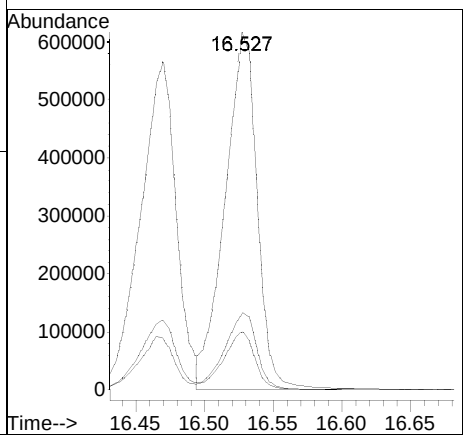


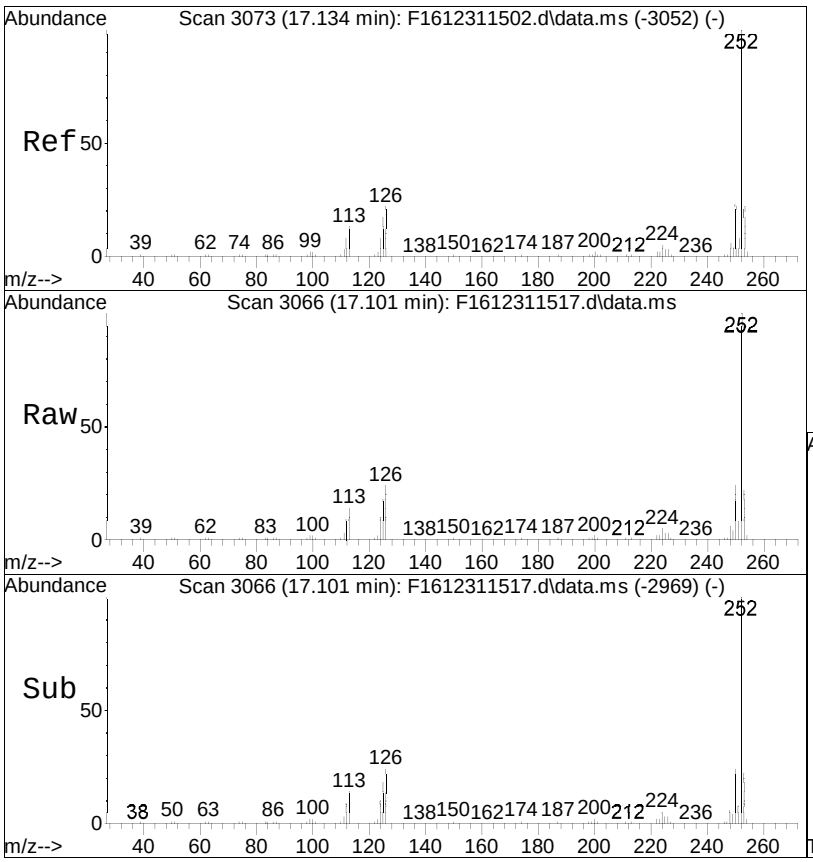


#88
Benzo[k]fluoranthene
Concen: 9.30 ug/mL
RT: 16.527 min Scan# 2947
Delta R.T. -0.029 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:252 Resp: 994972

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	16.0	10.3	15.5#

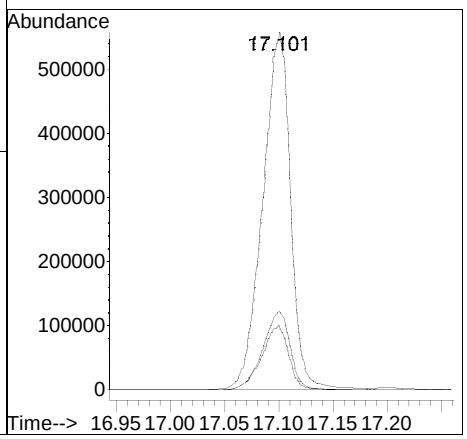


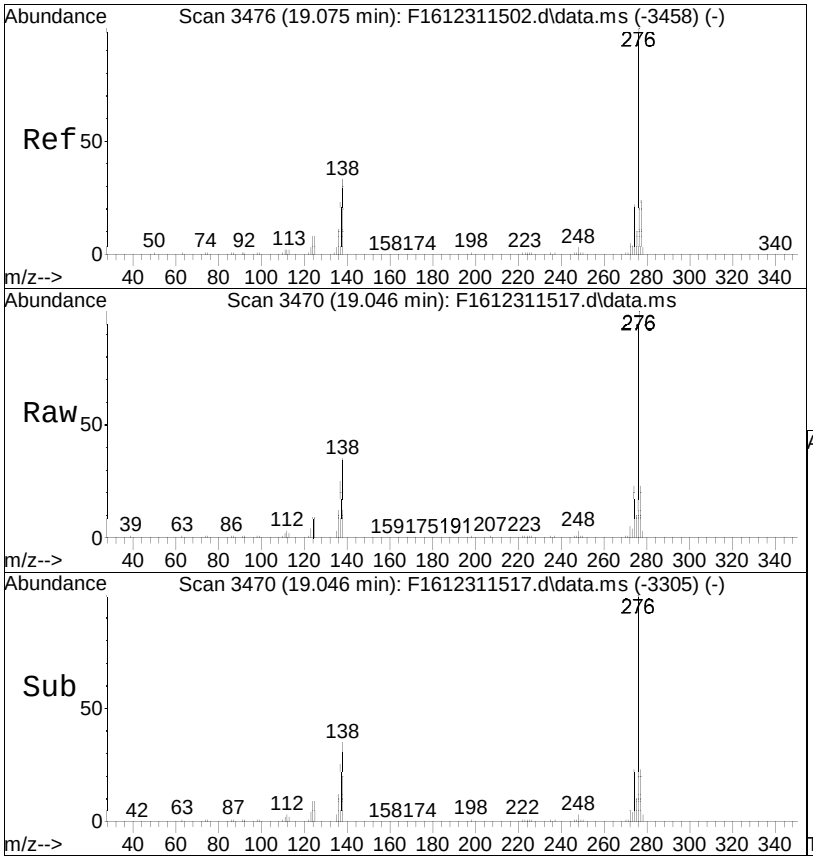


#89
Benzo[a]pyrene
Concen: 9.34 ug/mL
RT: 17.101 min Scan# 3066
Delta R.T. -0.034 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:252 Resp: 984071

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	17.7	11.4	17.2#

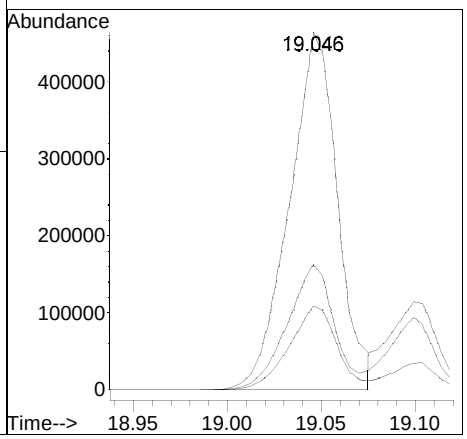


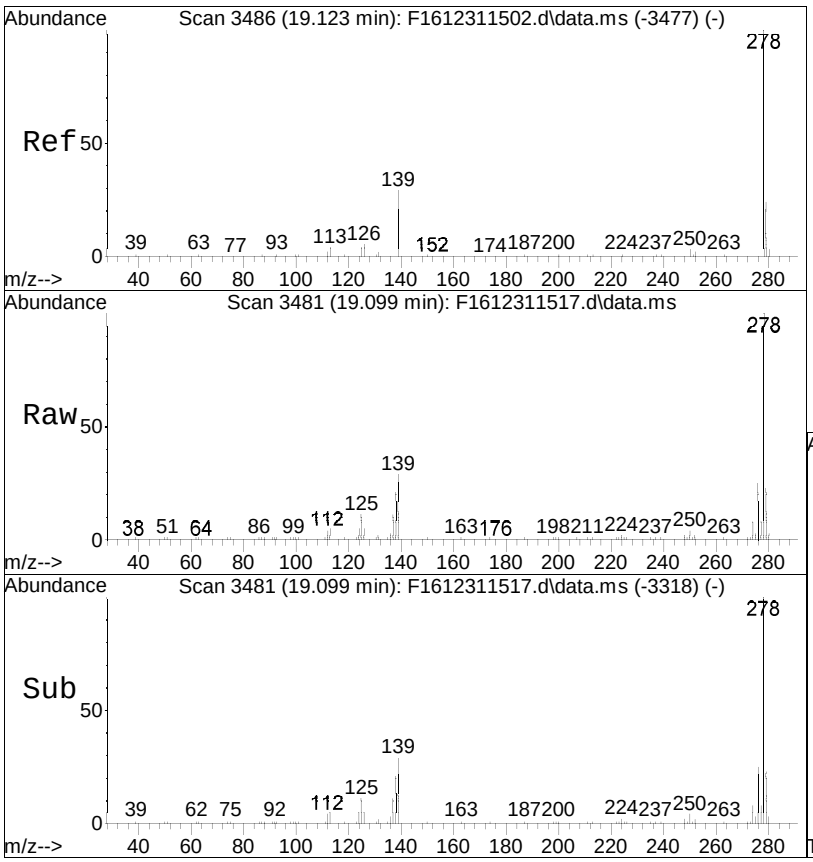


#90
Indeno[1,2,3-cd]pyrene
Concen: 9.05 ug/mL
RT: 19.046 min Scan# 3470
Delta R.T. -0.029 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:276 Resp: 818507

Ion	Ratio	Lower	Upper
276	100		
138	34.3	23.4	35.0
277	23.5	19.2	28.8

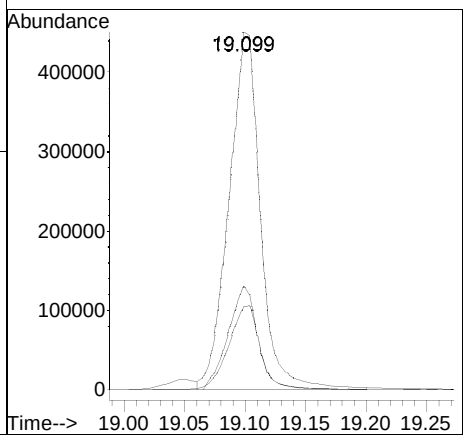


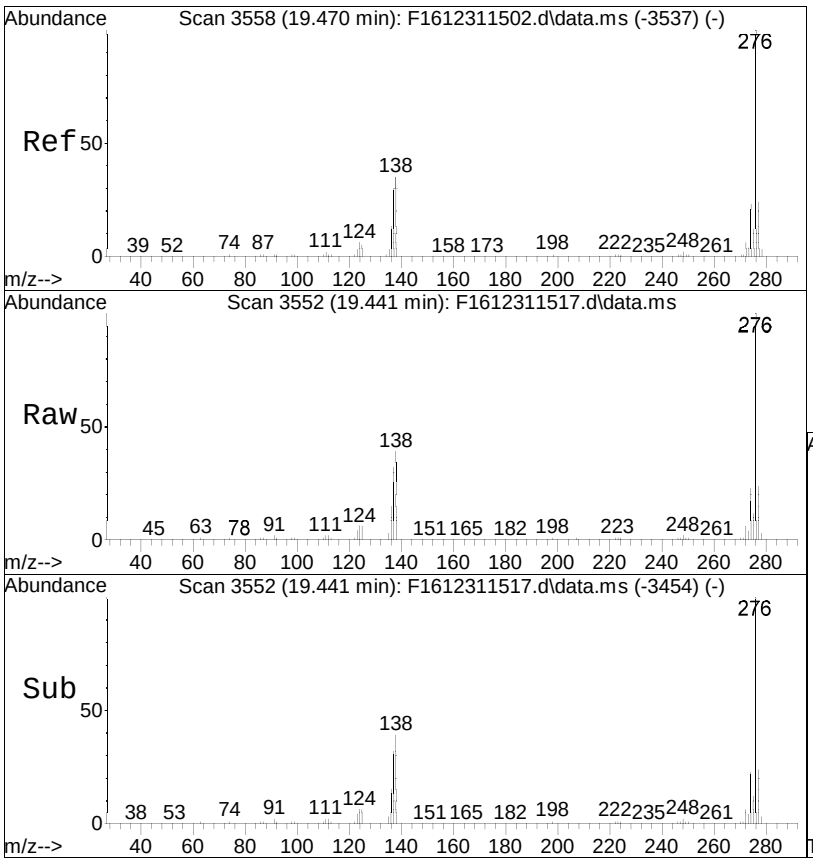


#91
Dibenz[a,h]anthracene
Concen: 9.09 ug/mL M4
RT: 19.099 min Scan# 3481
Delta R.T. -0.024 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:278 Resp: 811224

Ion	Ratio	Lower	Upper
278	100		
139	27.9	18.5	27.7#
279	24.3	18.9	28.3

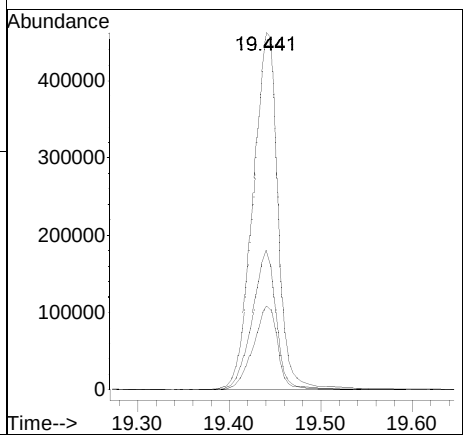




#92
Benzo[g,h,i]perylene
Concen: 9.26 ug/mL
RT: 19.441 min Scan# 3552
Delta R.T. -0.029 min
Lab File: F1612311517.d
Acq: 31 Dec 2015 7:34 pm

Tgt Ion:276 Resp: 866403

Ion	Ratio	Lower	Upper
276	100		
138	37.6	20.3	30.5#
277	23.3	19.0	28.4



Sample Preparation

ORGANIC ELN REPORT

Workgroup: WG852537

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** DN740
Surrogate Type: 8270 **Lot #:** MSAG25
Spike Type: 8270 **Lot #:** MSAG75/MSAG71/MSAG72
Spike Verify by: JM
Lims Spikelot: 8270SPK3

Additional Reagents/Stds

Glass Wool	11414001
H2SO4	OWA100715A
Na2SO4	0000116741
NaOH	OWB100715A

Conc.Method: Buchi
Solvent Type: DCM
Lot #: DN740

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction: Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Concentration: Conc Date	Analyst	Final Vol ml	Conc Unit
WG852537-1 BLANK	12/23/15 16:04	Joseph Macdonald	1000	I=7, A<2, B>11	.25		12/23/15 20:11	Joseph Macdonald	1	BUCHI 1/2
	QC samples shared with WG852539 JM 12/23/15									
WG852537-2 LCS	12/23/15 16:04	Joseph Macdonald	1000	I=7, A<2, B>11	.25	.1	12/23/15 20:11	Joseph Macdonald	1	BUCHI 1/2
WG852537-3 LCSD	12/23/15 16:04	Joseph Macdonald	1000	I=7, A<2, B>11	.25	.1	12/23/15 20:11	Joseph Macdonald	1	BUCHI 1/2
WG852537-4 MS	12/23/15 16:04	Joseph Macdonald	950	I=7, A<2, B>11	.25	.1	12/23/15 20:11	Joseph Macdonald	1	BUCHI 1/2
WG852537-5 MSD	12/23/15 16:04	Joseph Macdonald	950	I=7, A<2, B>11	.25	.1	12/23/15 20:11	Joseph Macdonald	1	BUCHI 1/2

Reported: 12-JAN-16 01:03 PM

ORGANIC ELN REPORT

Workgroup: WG852537

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L1533592-01 WATER	12/23/15 16:04	Joseph Macdonald	950	I=7, A<2, B>11	.25		12/23/15 20:11	Joseph Macdonald	1	BUCHI 1/2
L1533592-02 WATER	12/23/15 16:04	Joseph Macdonald	990	I=7, A<2, B>11	.25		12/23/15 20:11	Joseph Macdonald	1	BUCHI 1/2
L1533592-03 WATER	12/23/15 16:04	Joseph Macdonald	940	I=7, A<2, B>11	.25		12/23/15 20:11	Joseph Macdonald	1	BUCHI 1/2
L1533592-04 WATER	12/23/15 16:04	Joseph Macdonald	990	I=7, A<2, B>11	.25		12/23/15 20:11	Joseph Macdonald	1	BUCHI 1/2
L1533592-05 WATER	12/23/15 16:04	Joseph Macdonald	990	I=7, A<2, B>11	.25		12/23/15 20:11	Joseph Macdonald	1	BUCHI 1/2
L1533592-06 WATER	12/23/15 16:04	Joseph Macdonald	930	I=7, A<2, B>11	.25		12/23/15 20:11	Joseph Macdonald	1	BUCHI 1/2
L1533592-07 WATER	12/23/15 16:04	Joseph Macdonald	900	I=7, A<2, B>11	.25		12/23/15 20:11	Joseph Macdonald	1	BUCHI 1/2
L1533592-09 WATER	12/23/15 16:04	Joseph Macdonald	940	I=7, A<2, B>11	.25		12/23/15 20:11	Joseph Macdonald	1	BUCHI 1/2

Reported: 12-JAN-16 01:03 PM

ORGANIC ELN REPORT

Workgroup: WG852537

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L1533592-10 WATER	12/23/15 16:04	Joseph Macdonald	950	I=7, A<2, B>11	.25		12/23/15 20:11	Joseph Macdonald	1	BUCHI 1/2
L1533592-11 WATER	12/23/15 16:04	Joseph Macdonald	920	I=7, A<2, B>11	.25		12/23/15 20:11	Joseph Macdonald	1	BUCHI 1/2
L1533592-12 WATER	12/23/15 16:07	Joseph Macdonald	1050	I=7, A<2, B>11	.25		12/23/15 20:11	Joseph Macdonald	1	BUCHI 1/2

Reported: 12-JAN-16 01:03 PM

GC/MS Extractable Analysis
Method 8270
Selective Ion Monitoring

Initial Calibration

Response Factor Report BNA4

Method Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Method File : PAH1217BNA4.M
Title : PAH's by SIM
Last Update : Fri Dec 18 11:49:14 2015
Response Via : Initial Calibration

Calibration Files
10 =F412171516.D 20 =F412171517.D 100 =F412171518.D 200 =F412171519.D 500 =F412171520.D
1000=F412171521.D 2000=F412171522.D 5000=F412171523.D

		Compound	10	20	100	200	500	1000	2000	5000	Avg	%RSD
1)	i	Naphthalene-d8	ISTD									
2)	t	Naphthalene	1.190	1.128	0.997	1.042	1.027	0.996	1.031	1.023	1.054	6.49
3)	t	1,4-Dichlorobe...	0.518	0.475	0.414	0.435	0.416	0.408	0.422		0.441	9.26
4)	s	2-Methylnaphth...	0.517	0.512	0.513	0.551	0.559	0.535	0.565	0.578	0.541	4.72
5)	t	2-Methylnaphth...	0.665	0.645	0.622	0.668	0.668	0.647	0.679	0.697	0.661	3.48
6)	t	1-Methylnaphth...	0.621	0.622	0.594	0.635	0.628	0.612	0.646	0.658	0.627	3.17
7)	i	Acenaphthene-d10	ISTD									
8)	t	Dibenzothiophene	1.908	1.903	1.919	2.080	2.128	2.053	2.179		2.024	5.63
9)		2-Chloronaphth...	1.350	1.352	1.351	1.436	1.446	1.384	1.481		1.400	3.86
10)	t	Biphenyl	1.736	1.712	1.655	1.751	1.754	1.706	1.796		1.730	2.57
11)	t	2,6-Dimethylna...	1.081	1.099	1.105	1.195	1.218	1.183	1.261		1.163	5.90
12)	t	Acenaphthylene	1.784	1.766	1.823	2.042	2.149	2.107	2.278		1.993	10.14
13)	t	Acenaphthene	1.442	1.368	1.282	1.373	1.348	1.301	1.382		1.357	3.94
14)	t	Dibenzofuran	1.941	1.909	1.820	1.935	1.917	1.854	1.961		1.905	2.64
15)	t	Fluorene	1.400	1.360	1.388	1.507	1.522	1.479	1.574		1.461	5.47
16)	t	2,3,5-Trimethy...	0.923	0.961	0.967	1.050	1.084	1.058	1.121		1.023	7.18
17)	i	Phenanthrene-d10	ISTD									
18)	s	Fluoranthene-d10	0.666	0.675	0.753	0.823	0.886	0.847	0.878	0.867	0.799	11.23
19)	t	Phenanthrene	1.179	1.123	1.048	1.095	1.095	1.060	1.102		1.100	3.90
20)	t	Anthracene	0.877	0.901	0.971	1.063	1.062	1.085	1.125		1.012	9.49
21)	t	Carbazole	0.878	0.849	0.925	1.017	1.059	1.027	1.063		0.974	9.10
22)	t	1-Methylphenan...	0.638	0.647	0.696	0.744	0.795	0.761	0.793		0.725	9.05
23)	t	Fluoranthene	0.924	0.970	1.067	1.152	1.202	1.149	1.189		1.093	10.04
24)	i	Chrysene-d12	ISTD									
25)	s	Pyrene-d10	0.796	0.820	0.911	1.016	1.038	1.014	1.072	1.095	0.970	11.75
26)	t	Pyrene	1.290	1.326	1.446	1.585	1.589	1.554	1.666		1.494	9.57
27)	t	Benz[a]anthracene	0.984	0.908	0.955	1.083	1.187	1.142	1.240		*L	0.9975
28)	t	Chrysene	1.147	1.105	1.132	1.216	1.173	1.153	1.199		1.161	3.31

Response Factor Report BNA4

Method Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Method File : PAH1217BNA4.M
Title : PAH's by SIM
Last Update : Fri Dec 18 11:49:14 2015
Response Via : Initial Calibration

Calibration Files
10 =F412171516.D 20 =F412171517.D 100 =F412171518.D 200 =F412171519.D 500 =F412171520.D
1000=F412171521.D 2000=F412171522.D 5000=F412171523.D

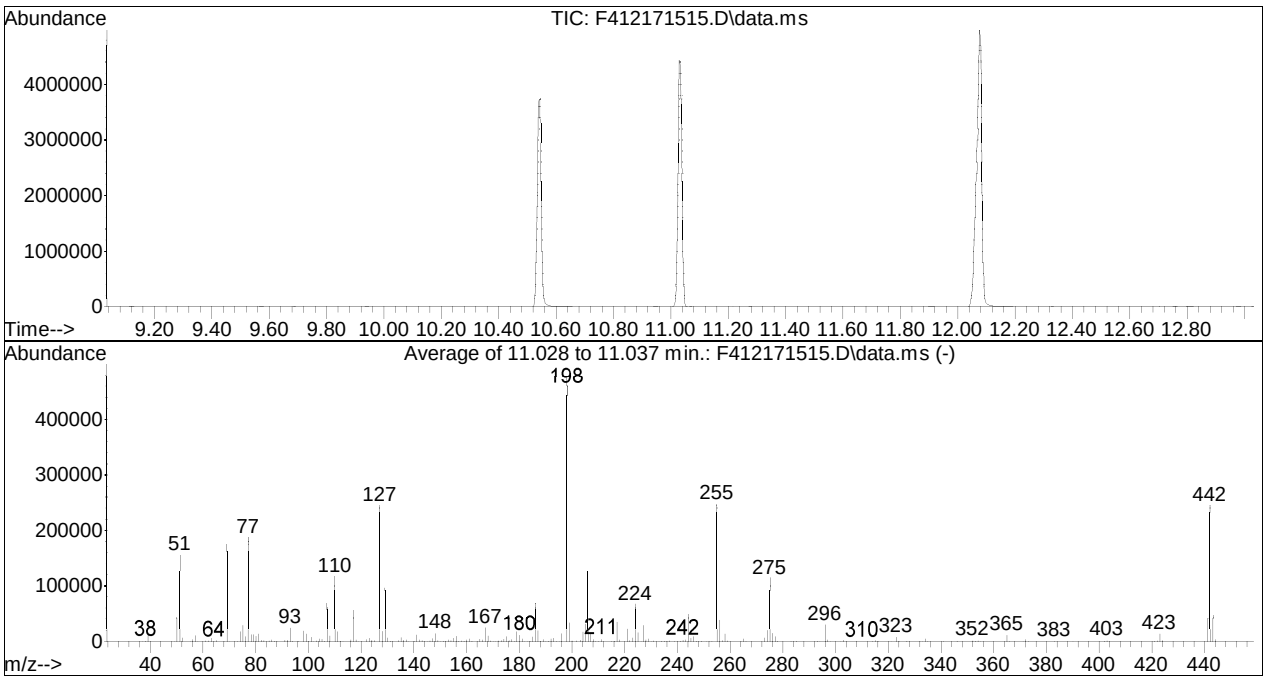
		Compound	10	20	100	200	500	1000	2000	5000	Avg	%RSD
29)	i	Perylene-d12	----------ISTD----------									
30)	s	Benzo(a)pyrene...	0.478	0.497	0.620	0.717	0.783	0.756	0.805	0.828	*Q	0.9995
31)	s	Benzo[b]fluora...	0.632	0.654	0.743	0.840	0.914	0.880	0.932	0.953	0.819	15.44
32)	t	Benzo[b]fluora...	0.864	0.929	1.079	1.199	1.441	1.335	1.485		*L	0.9959
33)	t	Benzo[k]fluora...	0.868	0.945	1.070	1.204	1.148	1.162	1.131		*L	0.9995
34)	t	Benzo[e]pyrene	0.828	0.862	0.989	1.107	1.190	1.138	1.209		*L	0.9988
35)	t	Benzo[a]pyrene	0.768	0.838	1.061	1.203	1.253	1.227	1.285		*L	0.9992
36)	t	Perylene	1.143	1.126	1.181	1.252	1.254	1.214	1.256		1.204	4.54
37)	t	Indeno[1,2,3-c...	0.759	0.753	0.847	0.964	1.079	1.083	1.139		*L	0.9977
38)	t	Dibenz[a,h]ant...	0.787	0.828	0.941	1.057	1.139	1.102	1.162		*L	0.9988
39)	t	Benzo[g,h,i]pe...	0.820	0.899	0.996	1.118	1.180	1.154	1.210		*L	0.9991

(#) = Out of Range

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171515.D
Acq On : 17 Dec 2015 5:31 pm
Operator : BNA4:SF
Sample : T412171501
Misc : WG851049,MSAG73
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Title : PAH's by SIM
Last Update : Fri Dec 18 09:42:53 2015



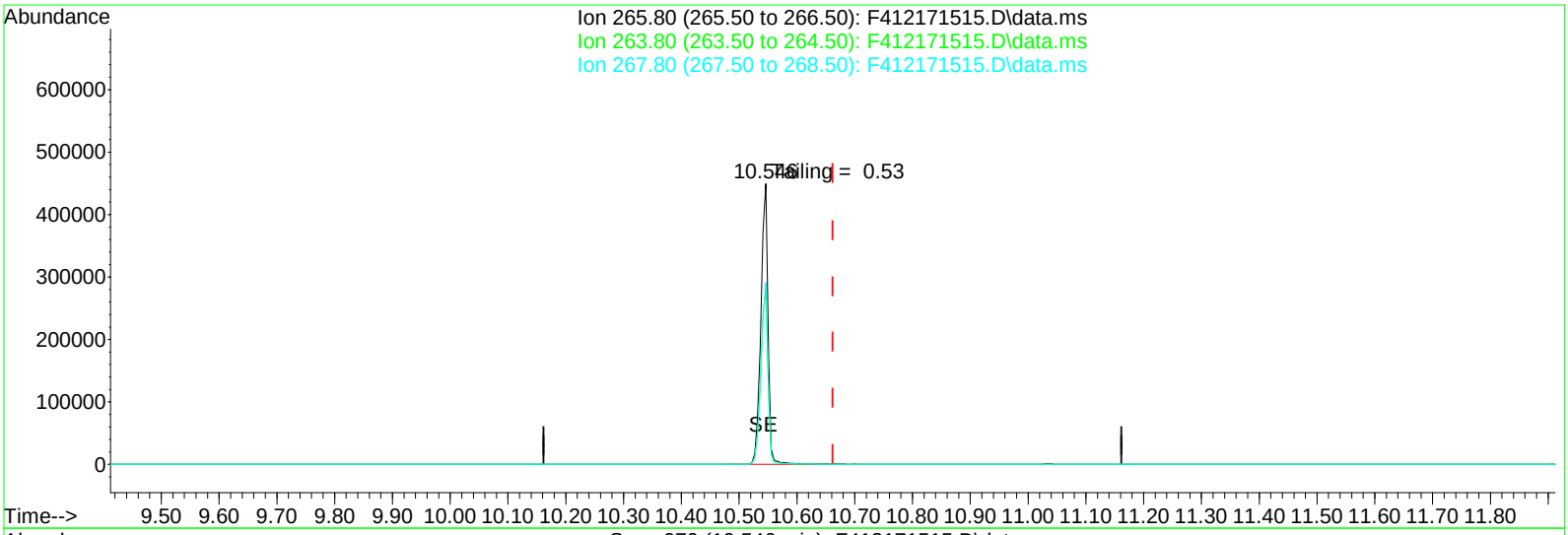
AutoFind: Scans 1079, 1080, 1081; Background Corrected with Scan 1071

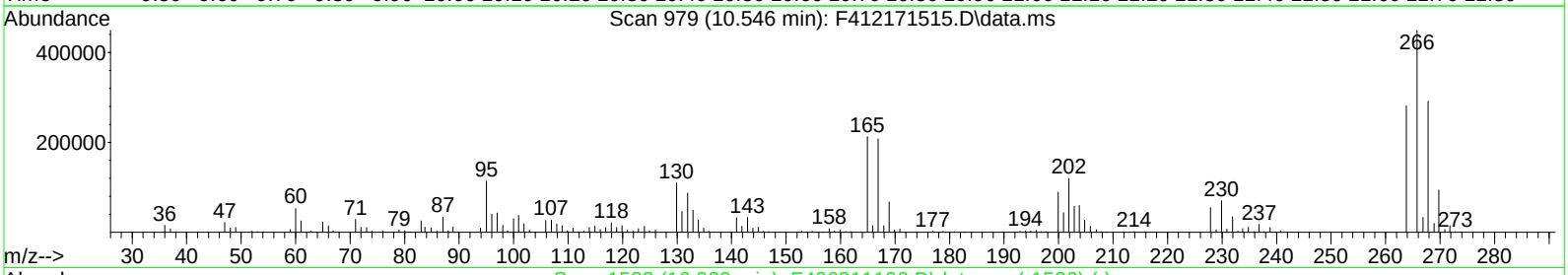
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	32.6	154923	PASS
68	69	0.00	2	0.6	1030	PASS
70	69	0.00	2	0.5	863	PASS
127	198	10	80	51.4	244544	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	475435	PASS
199	198	5	9	6.8	32344	PASS
275	198	10	60	23.9	113517	PASS
365	198	1	100	2.5	11694	PASS
441	442	0.01	24	16.8	41120	PASS
442	198	50	100	51.5	245027	PASS
443	442	15	24	19.4	47541	PASS

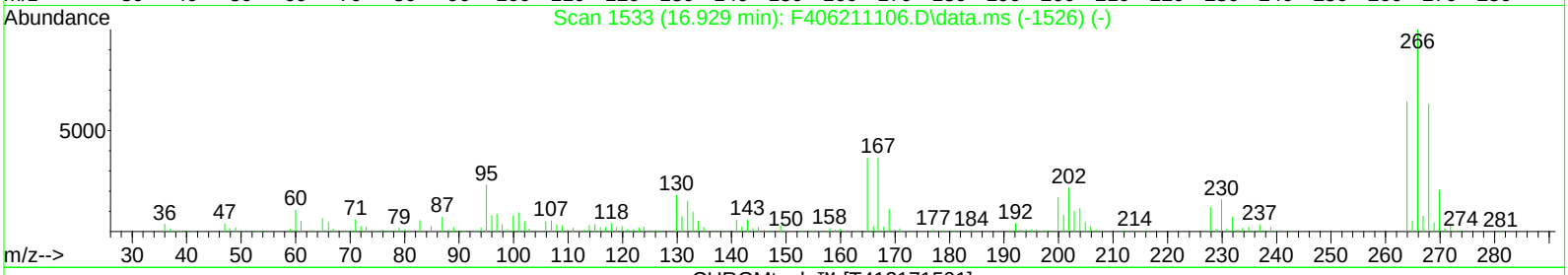
Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171515.D
Acq On : 17 Dec 2015 5:31 pm
Operator : BNA4:SF
Sample : T412171501
Misc : WG851049,MSAG73
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 09:12:49 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\DFTPPBNA4.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 20 09:25:01 2015
Response via : Initial Calibration







CHROMtools™ [T412171501]

(1) Pentachlorophenol (MC)

10.546min (-0.116) 7.19 ug/mL

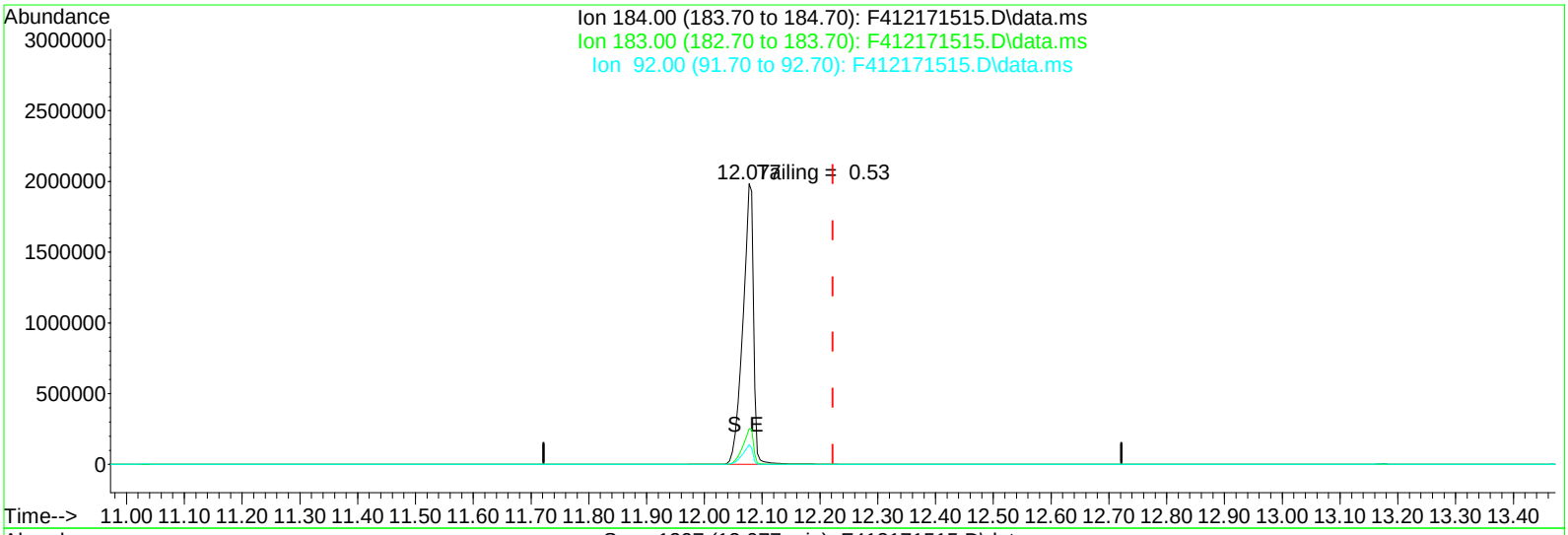
response 376205

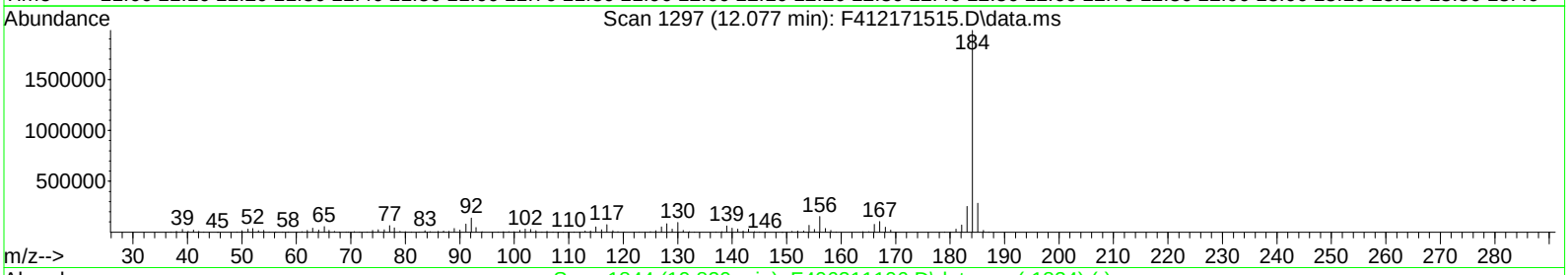
Ion	Exp%	Act%
265.80	100	100
263.80	63.50	63.37
267.80	63.50	65.87
0.00	0.00	0.00

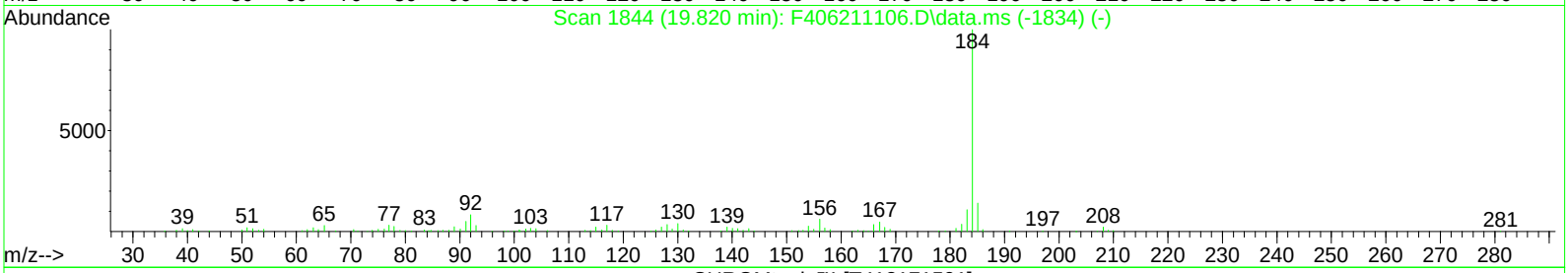
Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171515.D
Acq On : 17 Dec 2015 5:31 pm
Operator : BNA4:SF
Sample : T412171501
Misc : WG851049,MSAG73
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 09:12:49 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\DFTPPBNA4.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 20 09:25:01 2015
Response via : Initial Calibration







CHROMtools™ [T412171501]

(3) Benzidine (T)

12.077min (-0.145) 30.66 ug/mL

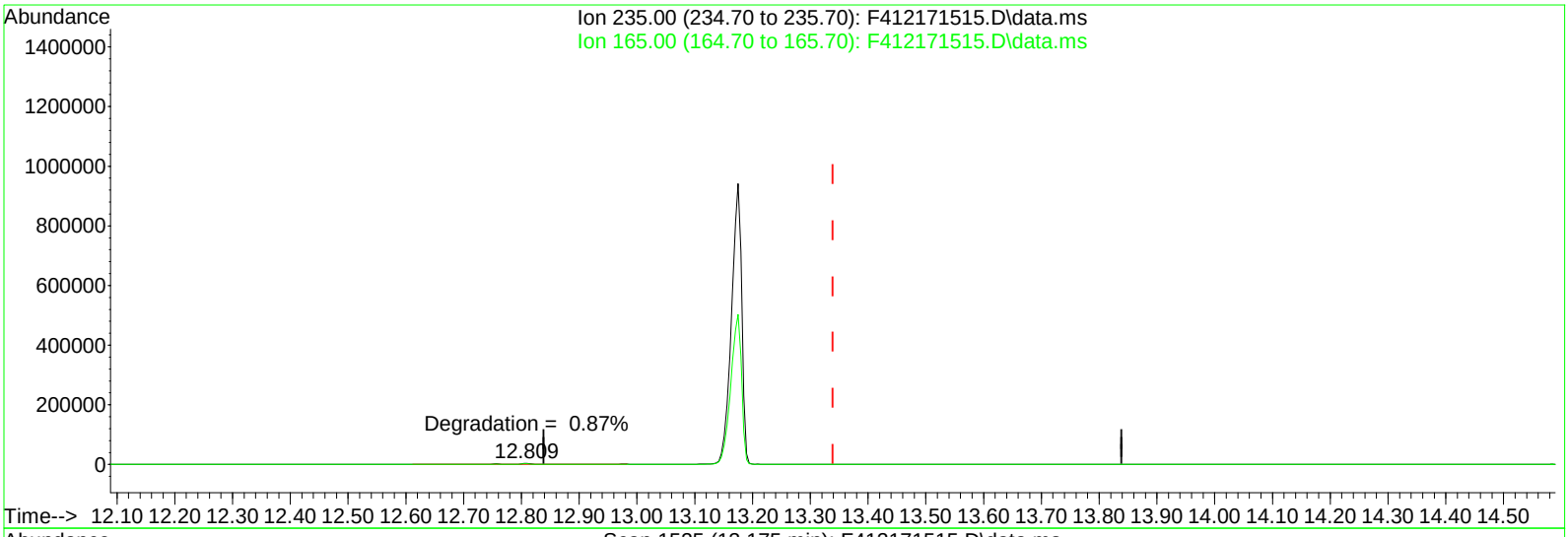
response 2494401 ~2 x >CAL (25)

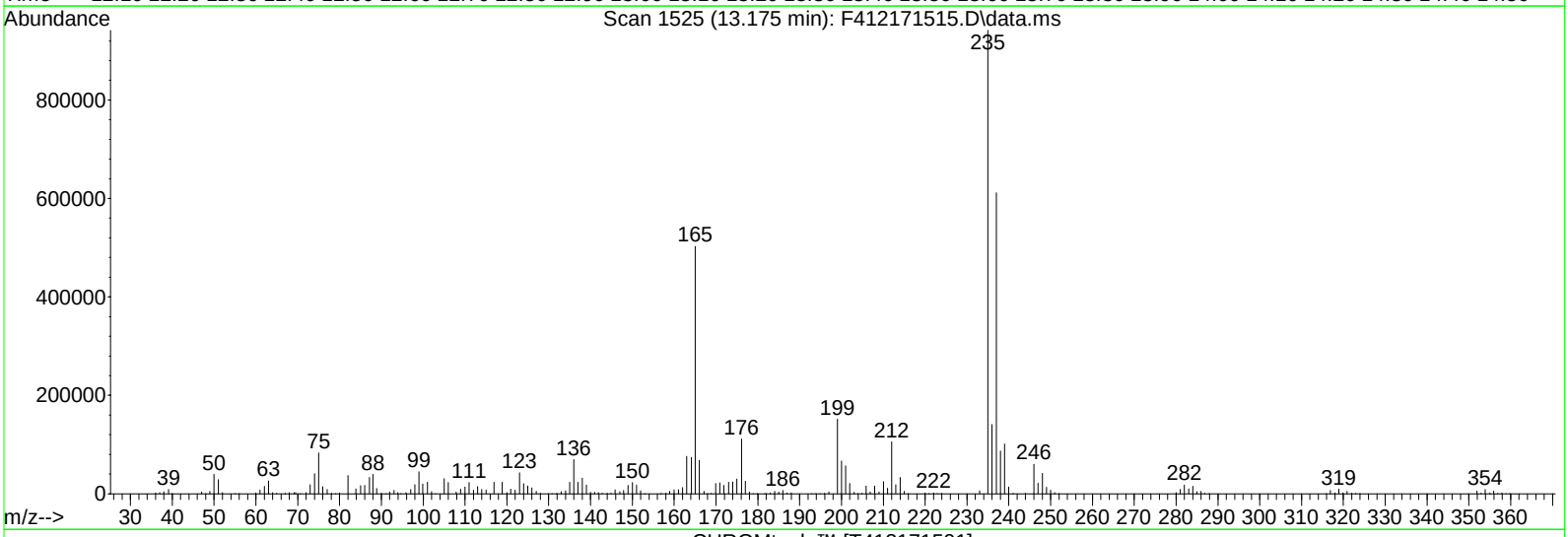
Ion	Exp%	Act%
184.00	100	100
183.00	13.20	12.86
92.00	6.80	6.80
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171515.D
Acq On : 17 Dec 2015 5:31 pm
Operator : BNA4:SF
Sample : T412171501
Misc : WG851049,MSAG73
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 09:12:49 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\DFTPPBNA4.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 20 09:25:01 2015
Response via : Initial Calibration





CHROMtools™ [T412171501]

(4) DDT ( )

13.175min (-0.164) 0.00

response 1162362

Ion	Exp%	Act%
235.00	100	100
165.00	39.30	55.81#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171516.D
Acq On : 17 Dec 2015 6:02 pm
Operator : BNA4:SF
Sample : I412171501
Misc : WG851049,MSAG96
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 11:49:22 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:49:20 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.462	136	75154	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.220	164	35113	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.655	188	69558	500.000	ng/mL	0.00
24) Chrysene-d12	13.823	240	55665	500.000	ng/mL	0.00
29) Perylene-d12	16.196	264	45807	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.145	152	777	9.549	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 0.19%#			
18) Fluoranthene-d10	11.873	212	927	8.337	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 1.67%#			
25) Pyrene-d10	12.130	212	886M4	8.202	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 0.16%#			
30) Benzo(a)pyrene-d12	16.057	264	438M4	12.070	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 2.41%#			
31) Benzo[b]fluoranthene-d12	15.530	264	579	7.721	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 0.15%#			
Target Compounds						Qvalue
2) Naphthalene	7.484	128	1788	11.284	ng/mL	96
3) 1,4-Dichlorobenzene	6.205	146	779M4	11.747	ng/mL	
5) 2-Methylnaphthalene	8.174	142	1000	10.060	ng/mL	99
6) 1-Methylnaphthalene	8.276	142	933M4	9.900	ng/mL	
8) Dibenzothiophene	10.558	184	1340	9.426	ng/mL	98
9) 2-Chloronaphthalene	8.654	162	948	9.643	ng/mL	97
10) Biphenyl	8.646	154	1219	10.033	ng/mL	94
11) 2,6-Dimethylnaphthalene	8.792	156	759	9.291	ng/mL	94
12) Acenaphthylene	9.068	152	1253	8.954	ng/mL	94
13) Acenaphthene	9.250	153	1013M4	10.633	ng/mL	
14) Dibenzofuran	9.409	168	1363	10.187	ng/mL	94
15) Fluorene	9.742	166	983M4	9.578	ng/mL	
16) 2,3,5-Trimethylnaphthalen	9.624	170	648M4	9.016	ng/mL	
19) Phenanthrene	10.683	178	1640M4	10.715	ng/mL	
20) Anthracene	10.724	178	1220M4	8.666	ng/mL	
21) Carbazole	10.890	167	1221	9.013	ng/mL#	88
22) 1-Methylphenanthrene	11.298	192	887	8.797	ng/mL	100
23) Fluoranthene	11.894	202	1285	8.448	ng/mL#	88
26) Pyrene	12.151	202	1436	8.635	ng/mL#	90

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171516.D
Acq On : 17 Dec 2015 6:02 pm
Operator : BNA4:SF
Sample : I412171501
Misc : WG851049,MSAG96
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 11:49:22 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:49:20 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Benz[a]anthracene	13.795	228	1096M4	12.634	ng/mL	
28) Chrysene	13.858	228	1277M4	9.882	ng/mL	
32) Benzo[b]fluoranthene	15.564	252	792	12.969	ng/mL#	80
33) Benzo[k]fluoranthene	15.606	252	795M4	10.165	ng/mL	
34) Benzo[e]pyrene	16.015	252	759	11.846	ng/mL#	75
35) Benzo[a]pyrene	16.099	252	704M4	11.803	ng/mL	
36) Perylene	16.237	252	1047M4	9.495	ng/mL	
37) Indeno[1,2,3-cd]pyrene	17.979	276	695M4	12.936	ng/mL	
38) Dibenz[a,h]anthracene	18.020	278	721	11.916	ng/mL#	68
39) Benzo[g,h,i]perylene	18.444	276	751M4	11.610	ng/mL	

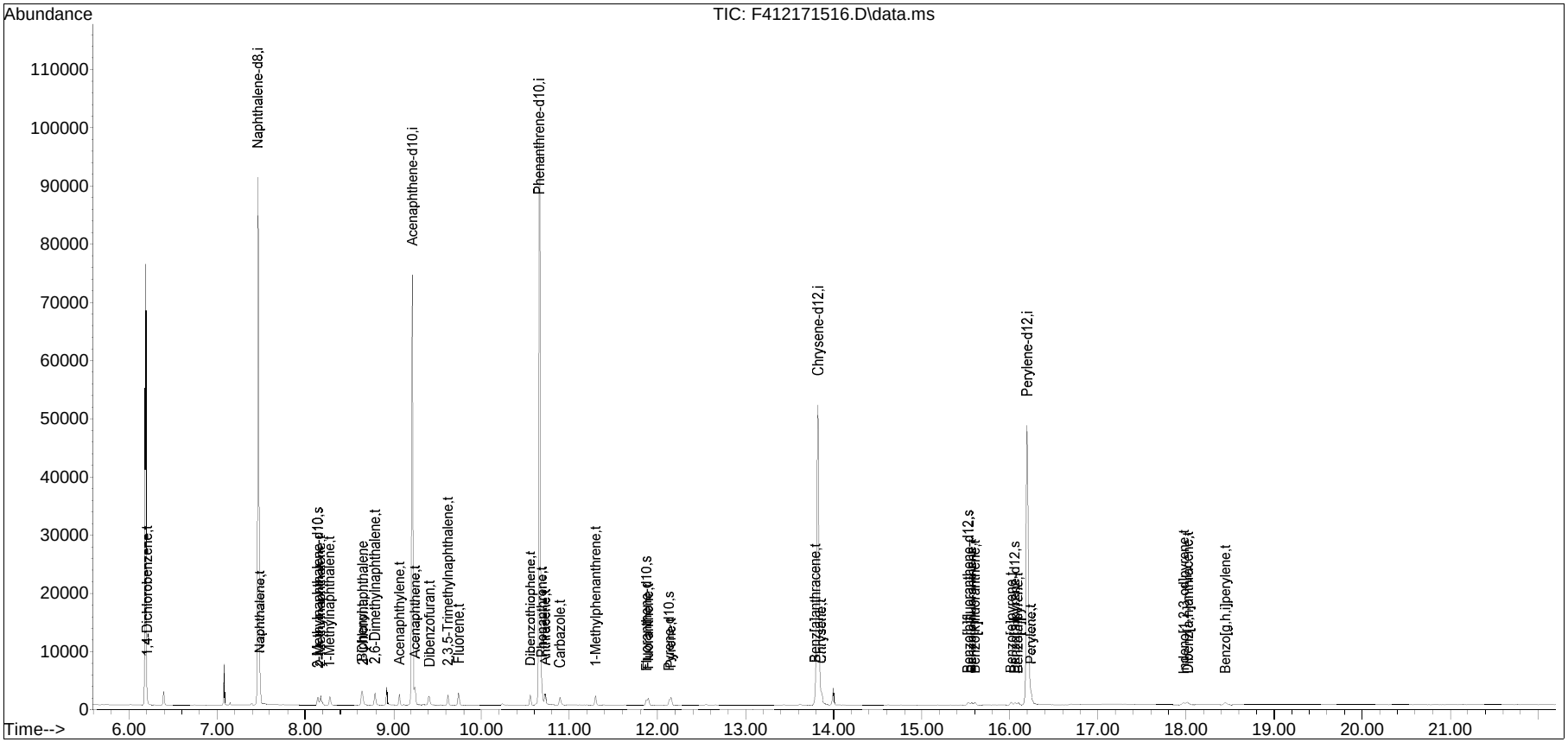
(#) = qualifier out of range (m) = manual integration (+) = signals summed

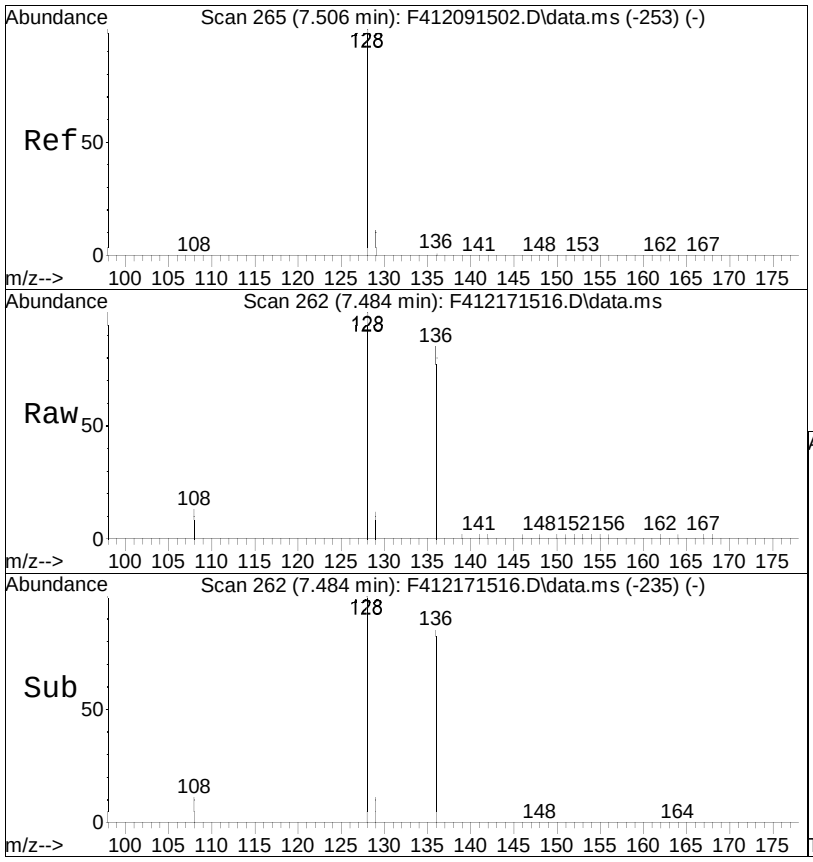
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171516.D
Acq On : 17 Dec 2015 6:02 pm
Operator : BNA4:SF
Sample : I412171501
Misc : WG851049,MSAG96
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 11:49:22 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:49:20 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

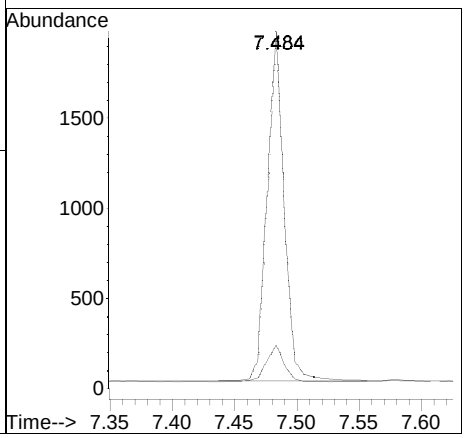


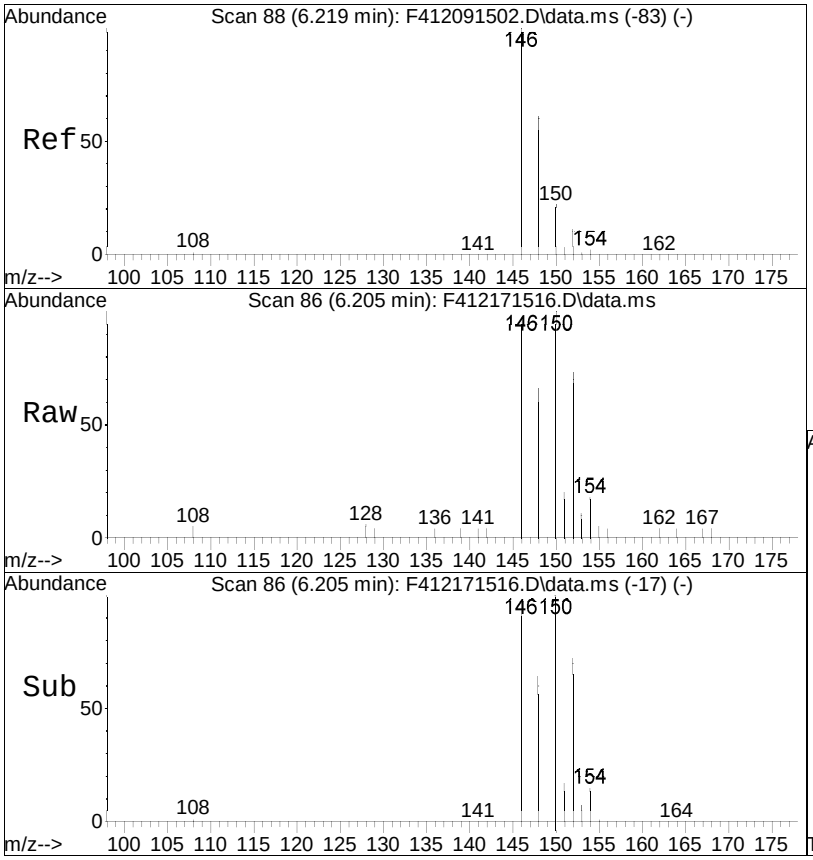


#2
Naphthalene
Concen: 11.28 ng/mL
RT: 7.484 min Scan# 262
Delta R.T. -0.000 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:128 Resp: 1788

Ion	Ratio	Lower	Upper
128	100		
129	12.5	8.7	13.1

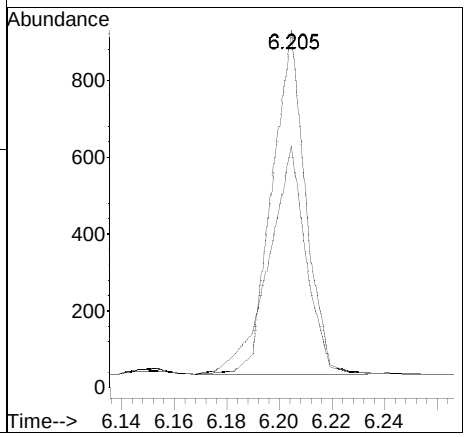


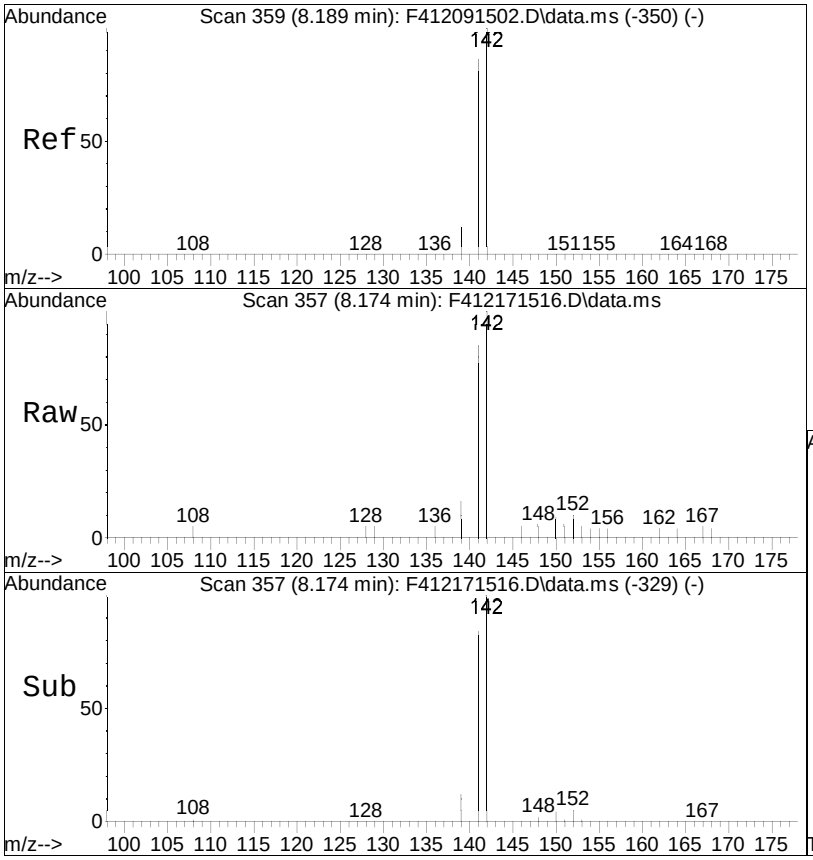


#3
1,4-Dichlorobenzene
Concen: 11.75 ng/mL M4
RT: 6.205 min Scan# 86
Delta R.T. -0.000 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:146 Resp: 779

Ion	Ratio	Lower	Upper
146	100		
148	75.1	50.2	75.2

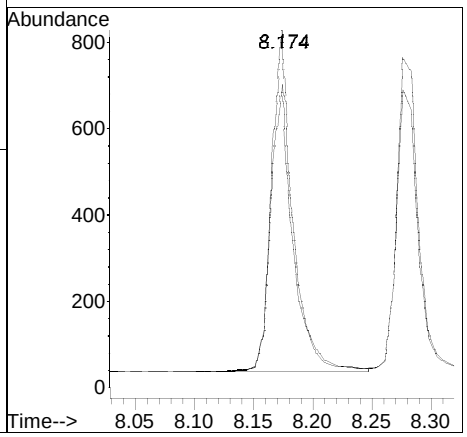


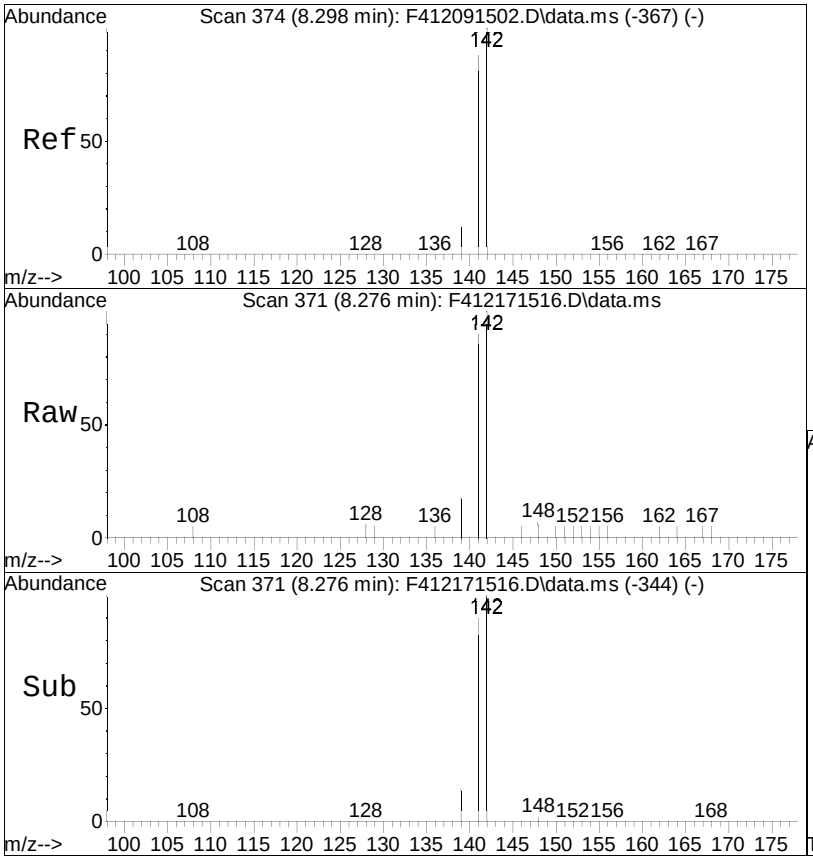


#5
2-Methylnaphthalene
Concen: 10.06 ng/mL
RT: 8.174 min Scan# 357
Delta R.T. 0.007 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:142 Resp: 1000

Ion	Ratio	Lower	Upper
142	100		
141	85.0	68.8	103.2

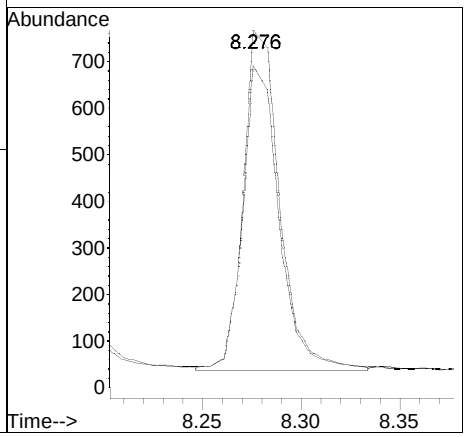


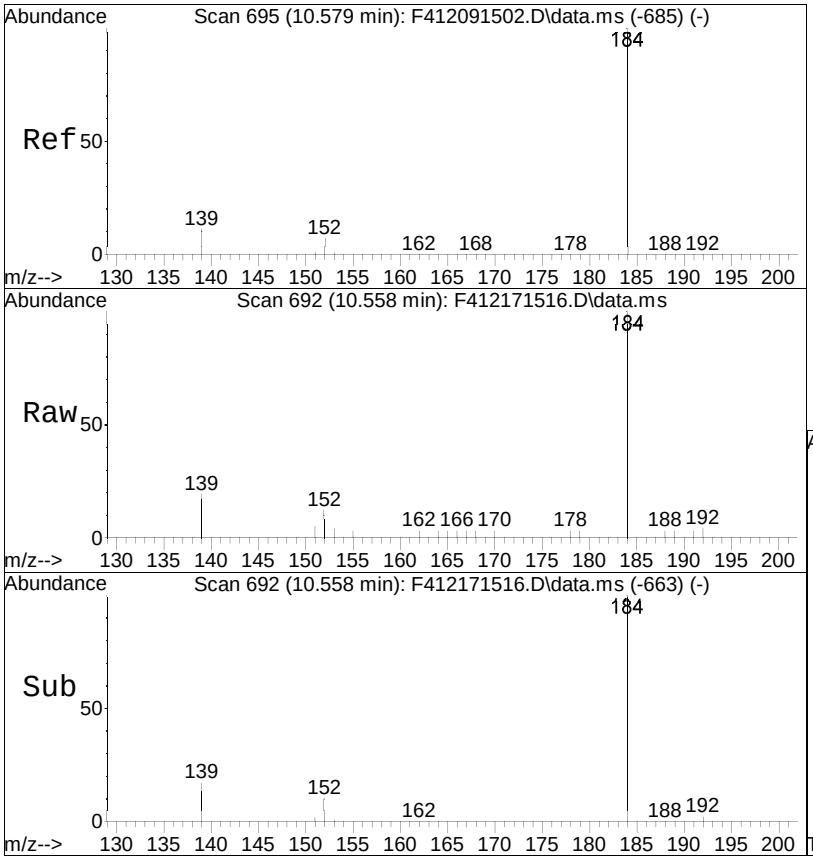


#6
1-Methylnaphthalene
Concen: 9.90 ng/mL M4
RT: 8.276 min Scan# 371
Delta R.T. -0.000 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:142 Resp: 933

Ion	Ratio	Lower	Upper
142	100		
141	90.7	71.6	107.4

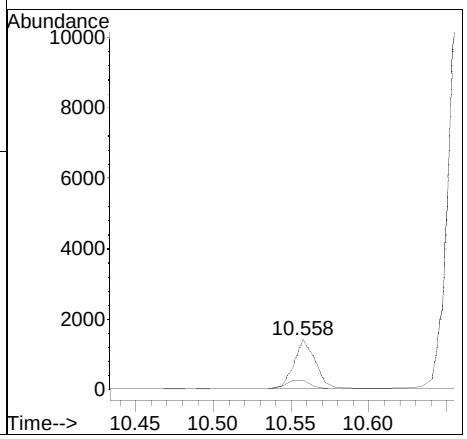


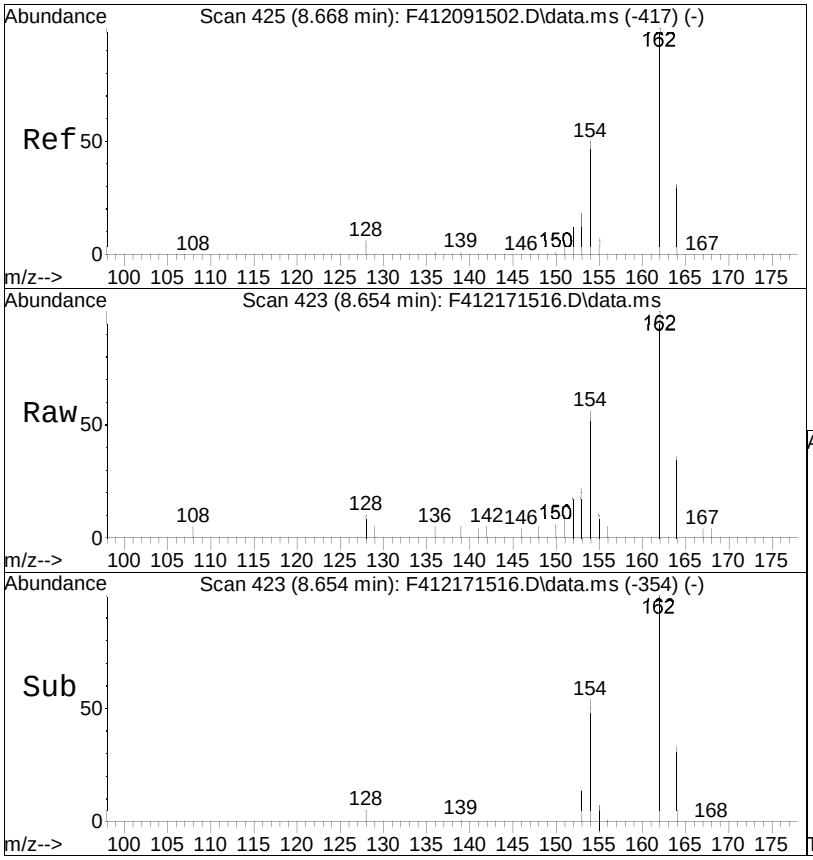


#8
Dibenzothiophene
Concen: 9.43 ng/mL
RT: 10.558 min Scan# 692
Delta R.T. 0.000 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:184 Resp: 1340

Ion	Ratio	Lower	Upper
184	100		
139	18.8	15.9	23.9

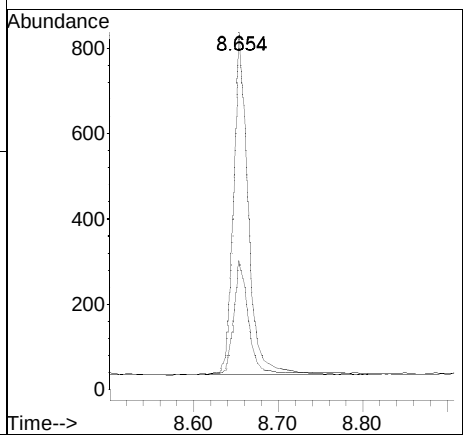


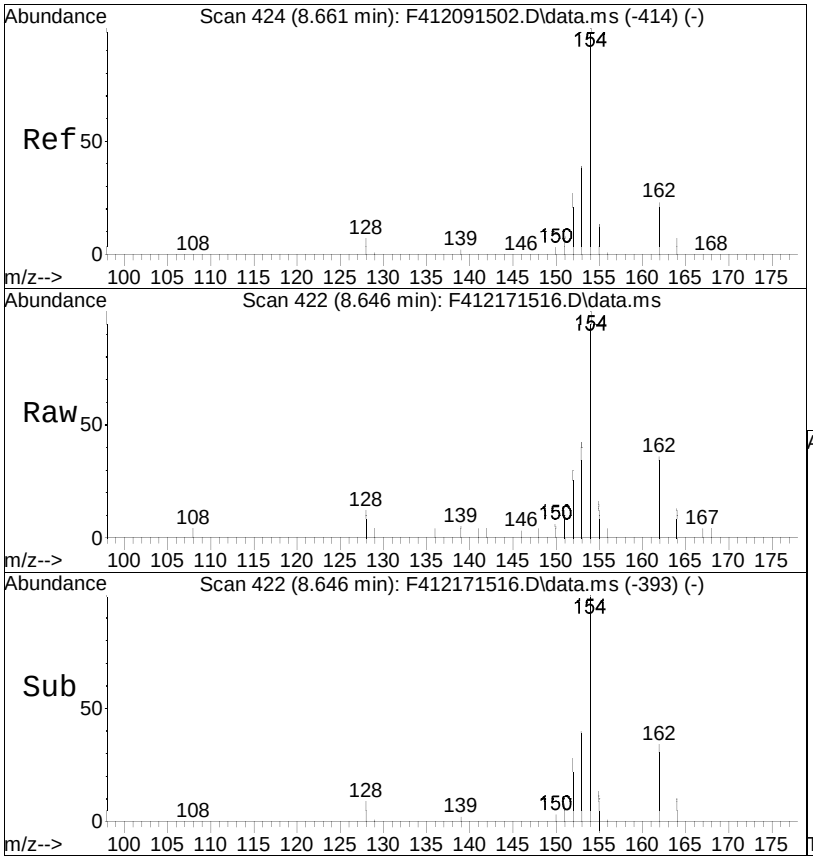


#9
2-Chloronaphthalene
Concen: 9.64 ng/mL
RT: 8.654 min Scan# 423
Delta R.T. -0.000 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:162 Resp: 948

Ion	Ratio	Lower	Upper
162	100		
164	34.5	26.1	39.1

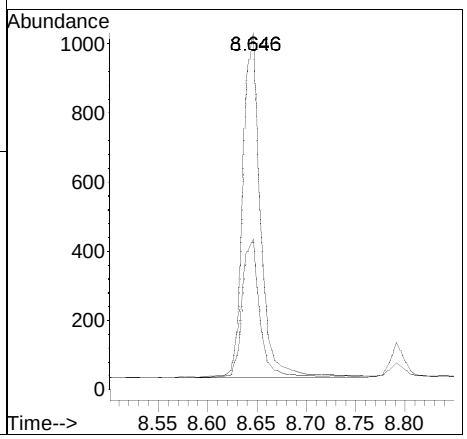


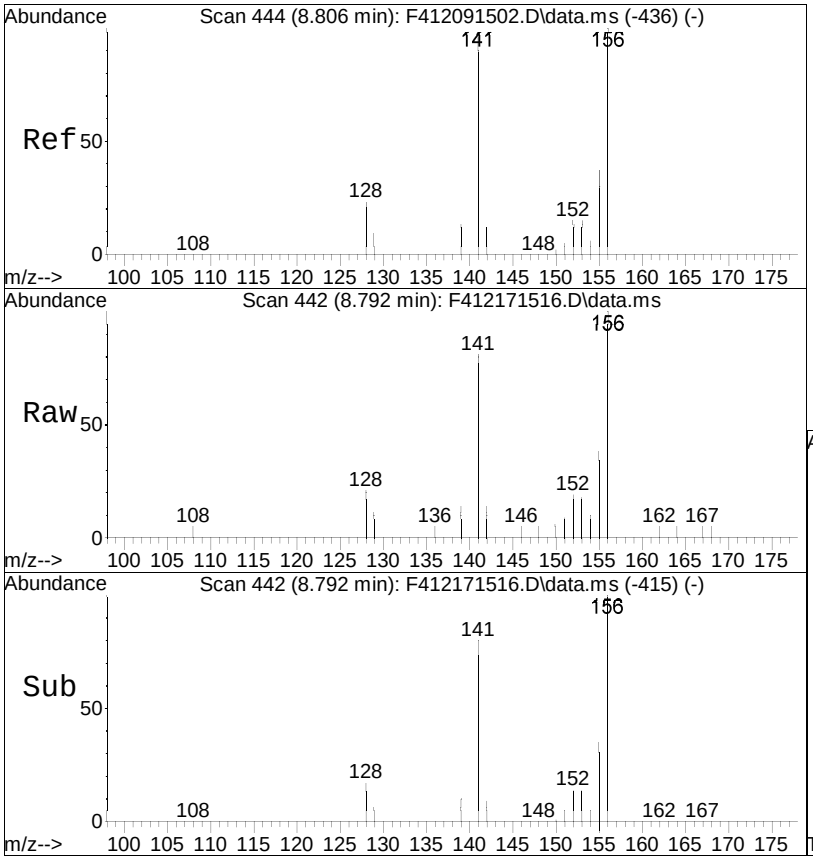


#10
Biphenyl
Concen: 10.03 ng/mL
RT: 8.646 min Scan# 422
Delta R.T. 0.007 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:154 Resp: 1219

Ion	Ratio	Lower	Upper
154	100		
153	42.2	30.9	46.3

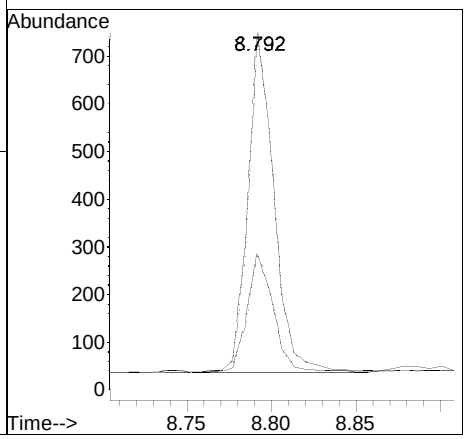


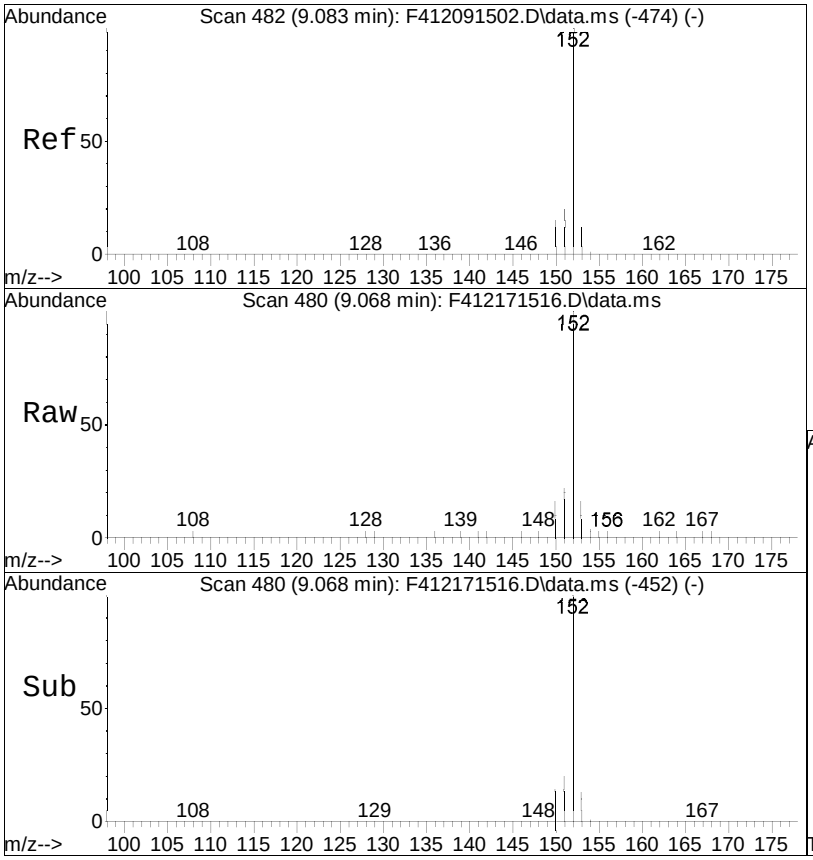


#11
2,6-Dimethylnaphthalene
Concen: 9.29 ng/mL
RT: 8.792 min Scan# 442
Delta R.T. -0.000 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:156 Resp: 759

Ion	Ratio	Lower	Upper
156	100		
155	38.3	27.9	41.9

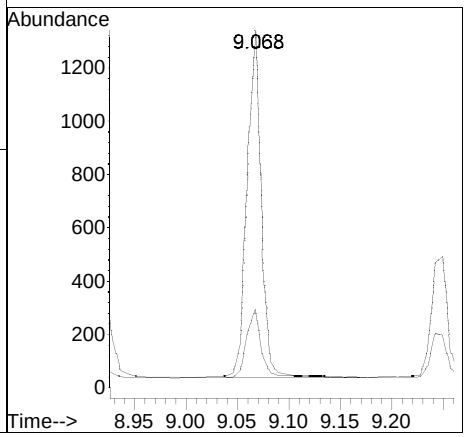


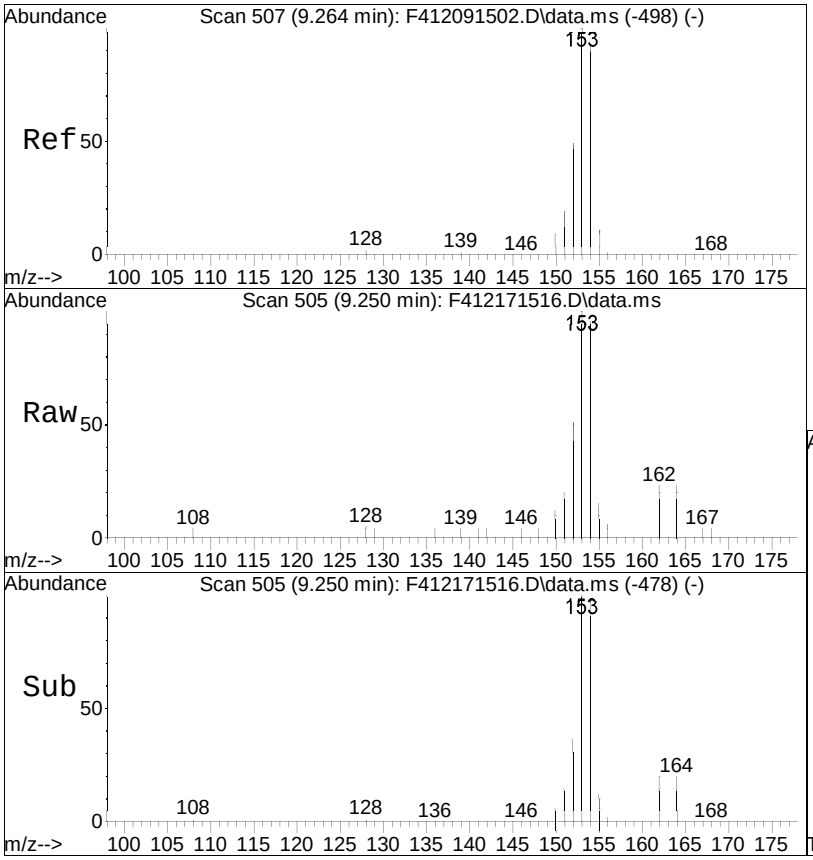


#12
Acenaphthylene
Concen: 8.95 ng/mL
RT: 9.068 min Scan# 480
Delta R.T. -0.000 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:152 Resp: 1253

Ion	Ratio	Lower	Upper
152	100		
151	22.1	15.4	23.0

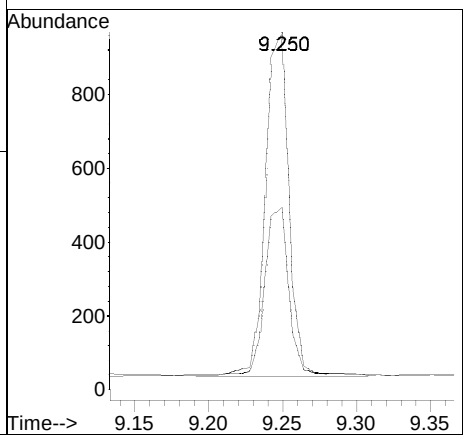


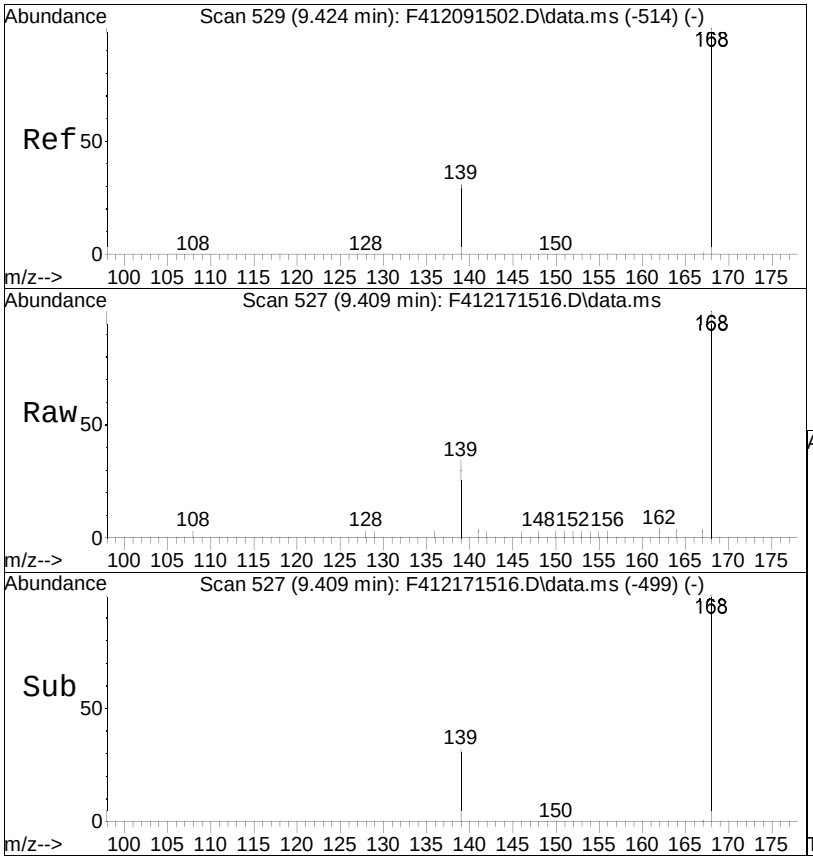


#13
Acenaphthene
Concen: 10.63 ng/mL M4
RT: 9.250 min Scan# 505
Delta R.T. 0.001 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:153 Resp: 1013

Ion	Ratio	Lower	Upper
153	100		
152	51.3	37.8	56.8

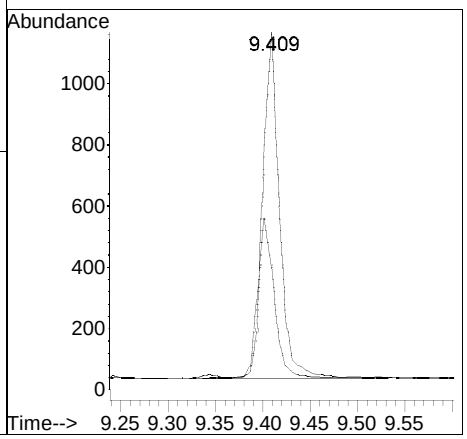


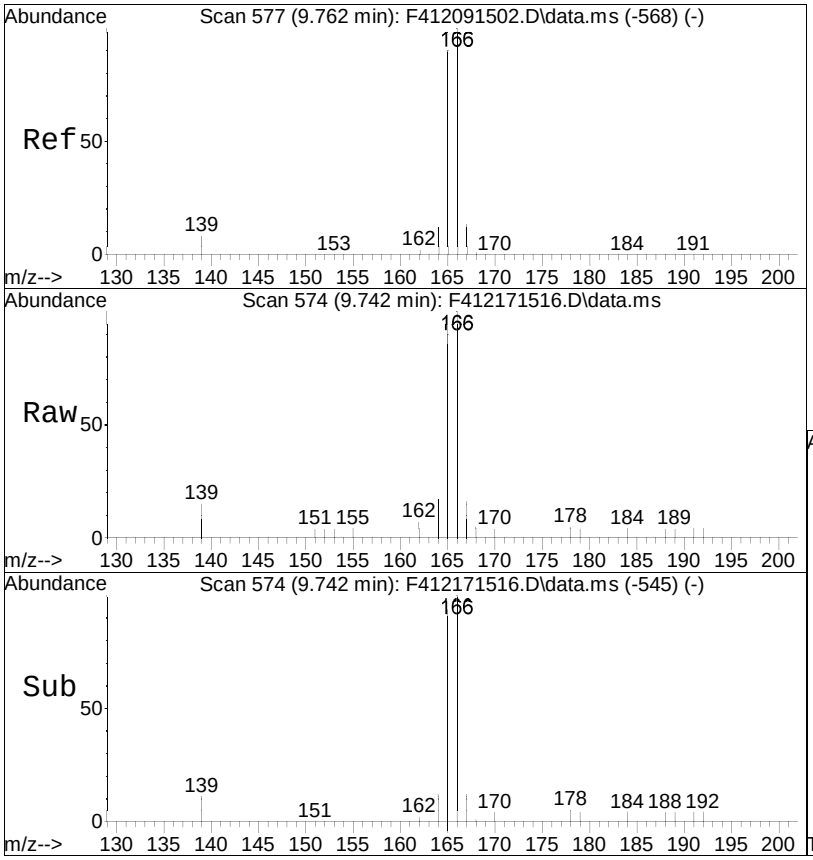


#14
Dibenzofuran
Concen: 10.19 ng/mL
RT: 9.409 min Scan# 527
Delta R.T. 0.000 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:168 Resp: 1363

Ion	Ratio	Lower	Upper
168	100		
139	34.4	30.2	45.2

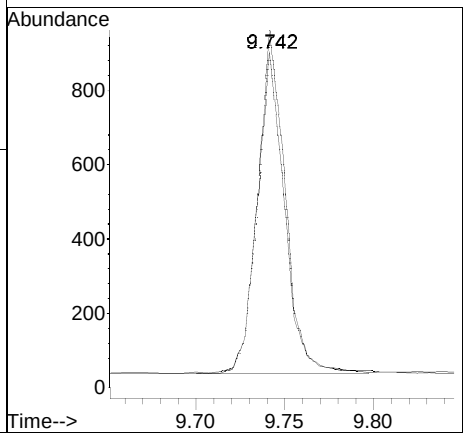


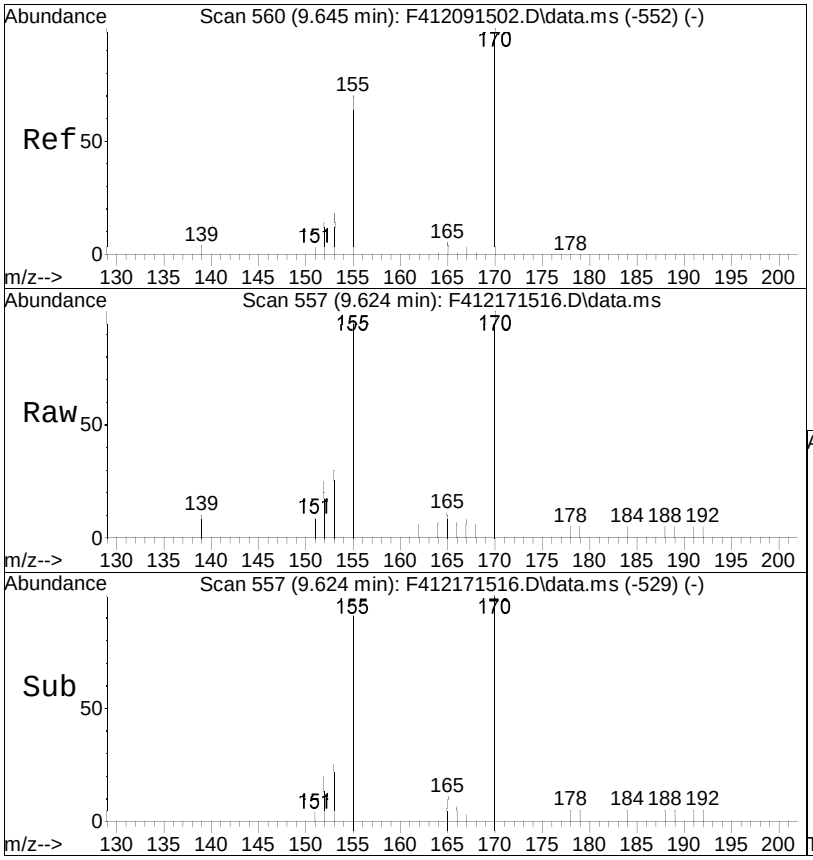


#15
Fluorene
Concen: 9.58 ng/mL M4
RT: 9.742 min Scan# 574
Delta R.T. -0.000 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:166 Resp: 983

Ion	Ratio	Lower	Upper
166	100		
165	93.5	73.2	109.8

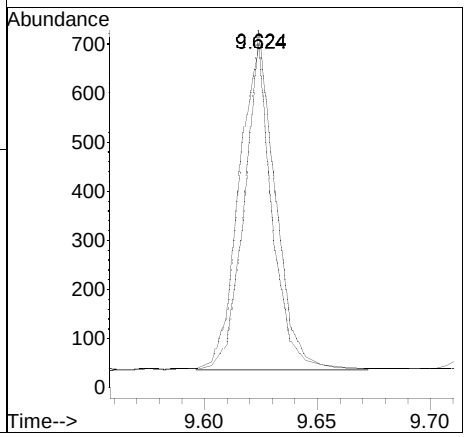


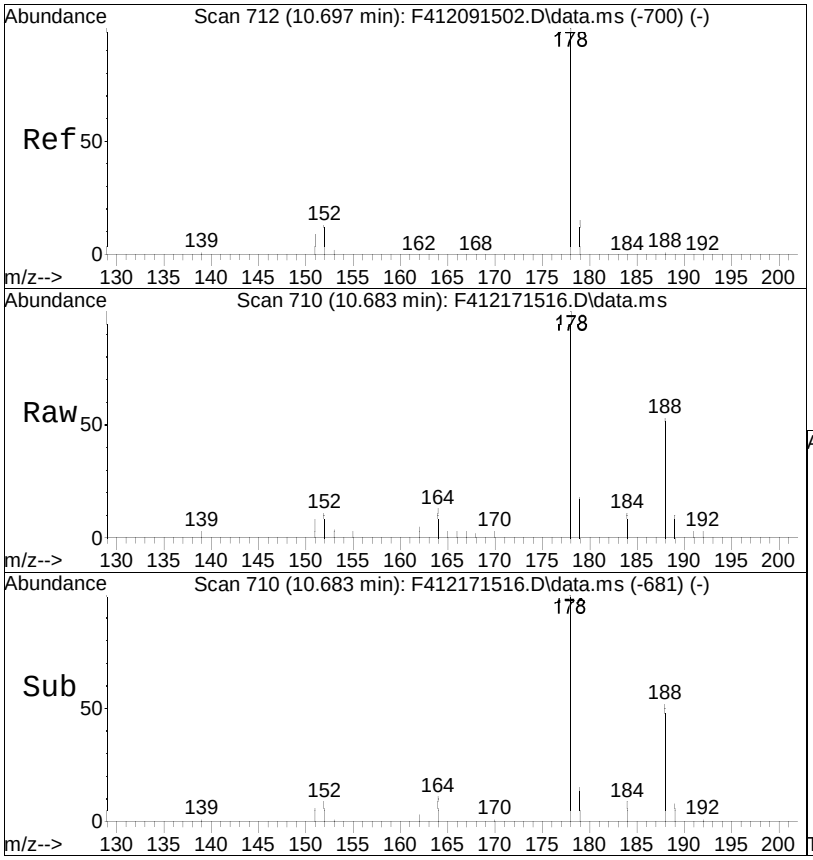


#16
2,3,5-Trimethylnaphthalene
Concen: 9.02 ng/mL M4
RT: 9.624 min Scan# 557
Delta R.T. -0.000 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:170 Resp: 648

Ion	Ratio	Lower	Upper
170	100		
155	111.3	71.7	107.5#

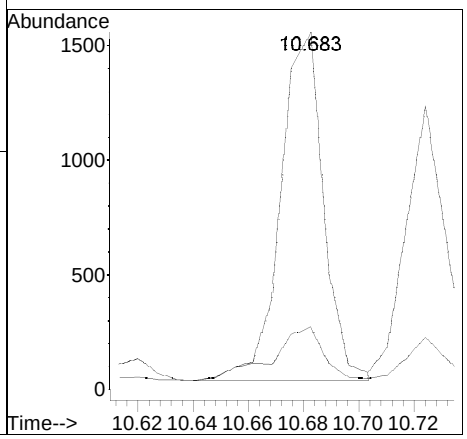


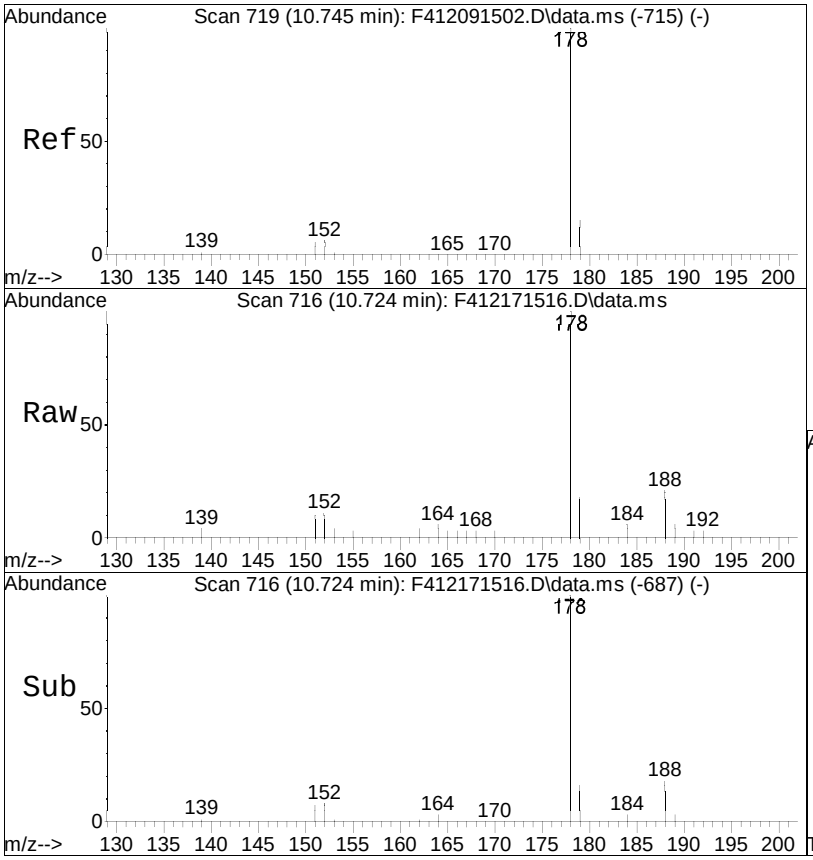


#19
Phenanthrene
Concen: 10.72 ng/mL M4
RT: 10.683 min Scan# 710
Delta R.T. -0.000 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:178 Resp: 1640

Ion	Ratio	Lower	Upper
178	100		
179	17.6	11.9	17.9

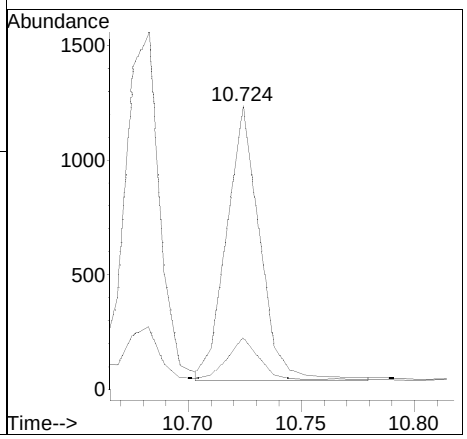


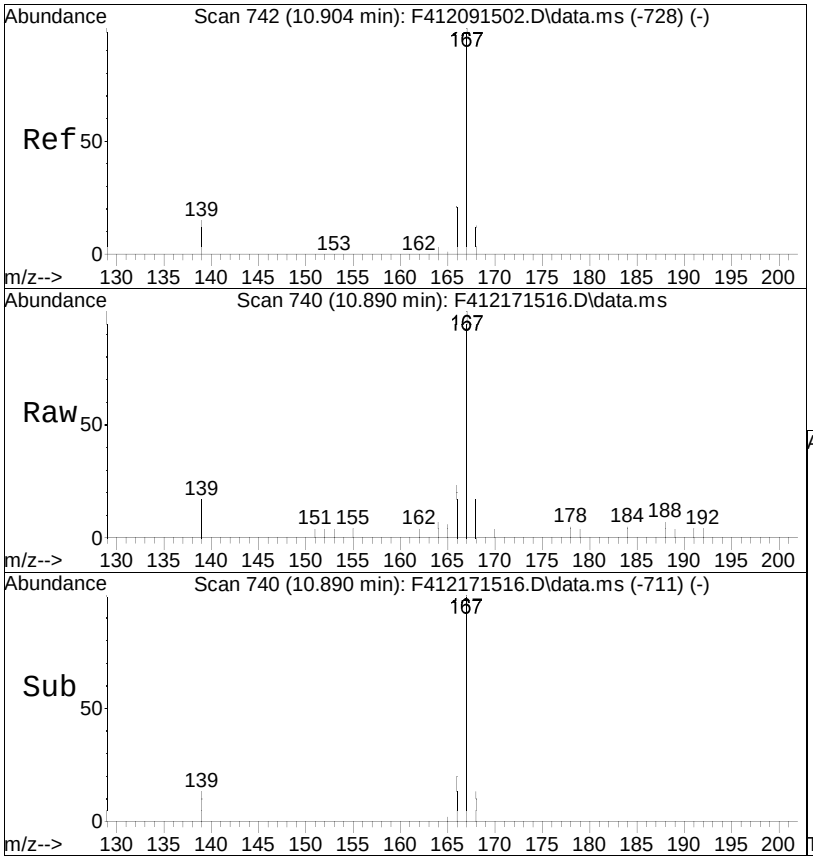


#20
Anthracene
Concen: 8.67 ng/mL M4
RT: 10.724 min Scan# 716
Delta R.T. 0.000 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:178 Resp: 1220

Ion	Ratio	Lower	Upper
178	100		
179	23.6	11.8	17.8#

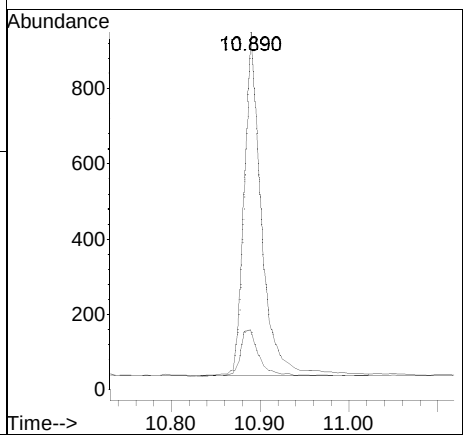


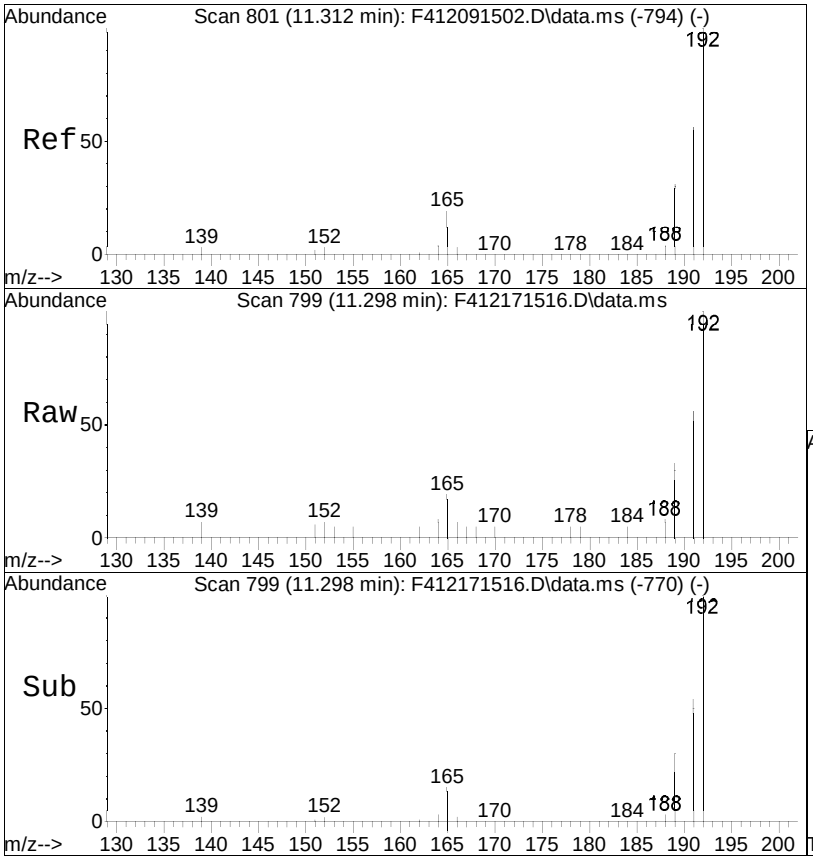


#21
Carbazole
Concen: 9.01 ng/mL
RT: 10.890 min Scan# 740
Delta R.T. 0.000 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:167 Resp: 1221

Ion	Ratio	Lower	Upper
167	100		
139	16.7	9.7	14.5#

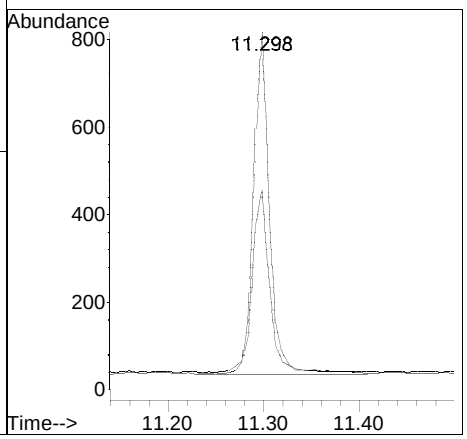


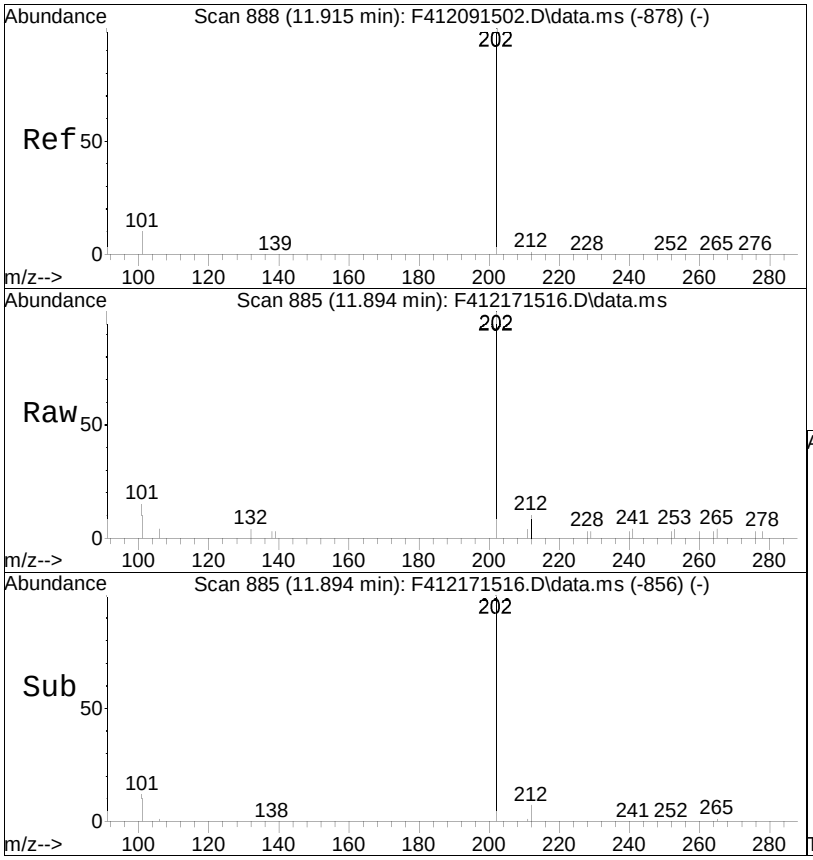


#22
1-Methylphenanthrene
Concen: 8.80 ng/mL
RT: 11.298 min Scan# 799
Delta R.T. 0.000 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:192 Resp: 887

Ion	Ratio	Lower	Upper
192	100		
191	56.1	44.8	67.2

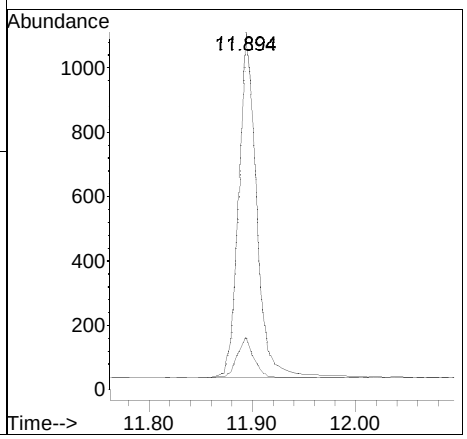


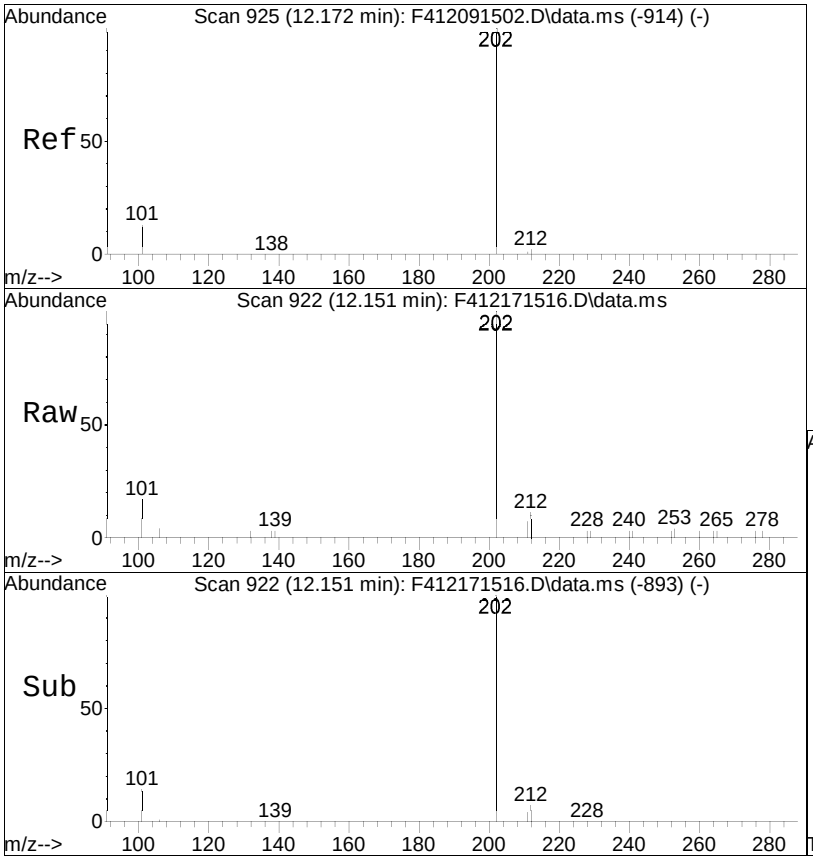


#23
Fluoranthene
Concen: 8.45 ng/mL
RT: 11.894 min Scan# 885
Delta R.T. 0.000 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:202 Resp: 1285

Ion	Ratio	Lower	Upper
202	100		
101	14.9	8.3	12.5#

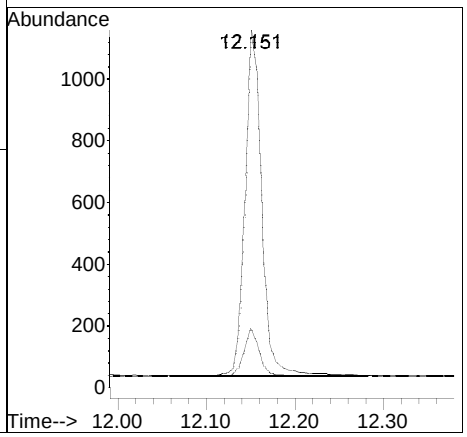


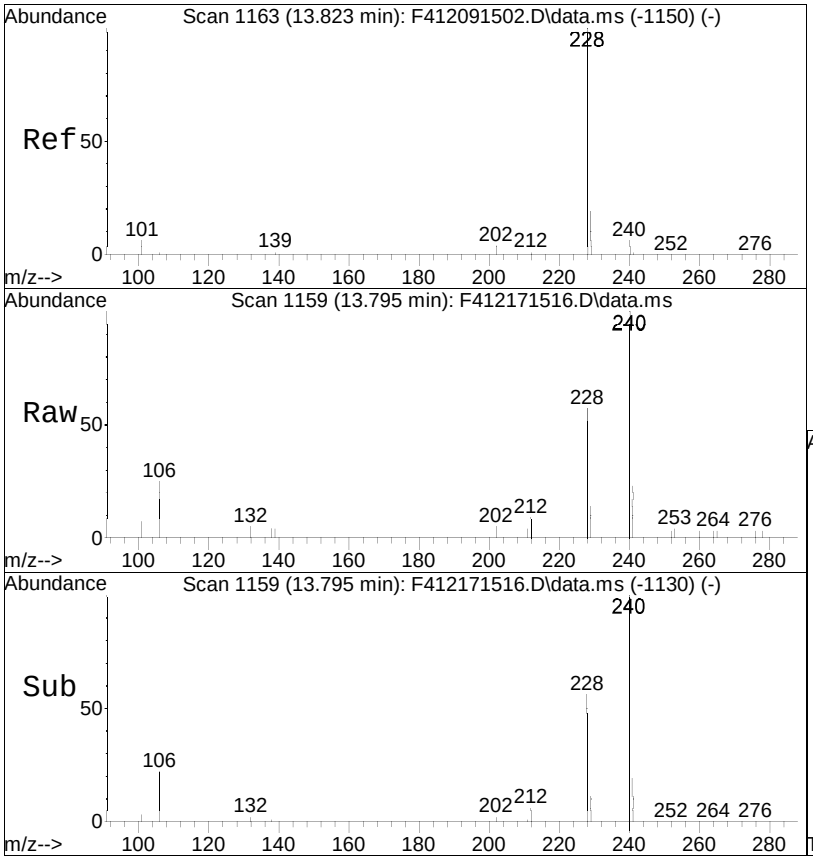


#26
Pyrene
Concen: 8.63 ng/mL
RT: 12.151 min Scan# 922
Delta R.T. -0.000 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:202 Resp: 1436

Ion	Ratio	Lower	Upper
202	100		
101	16.7	10.1	15.1#

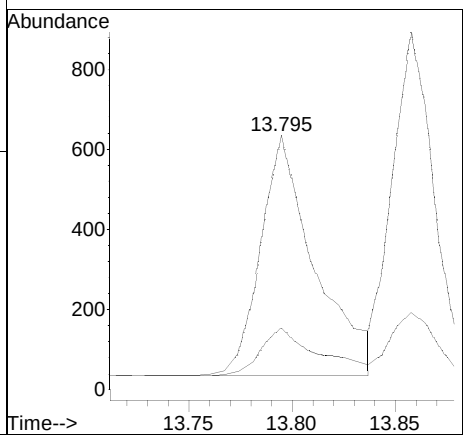


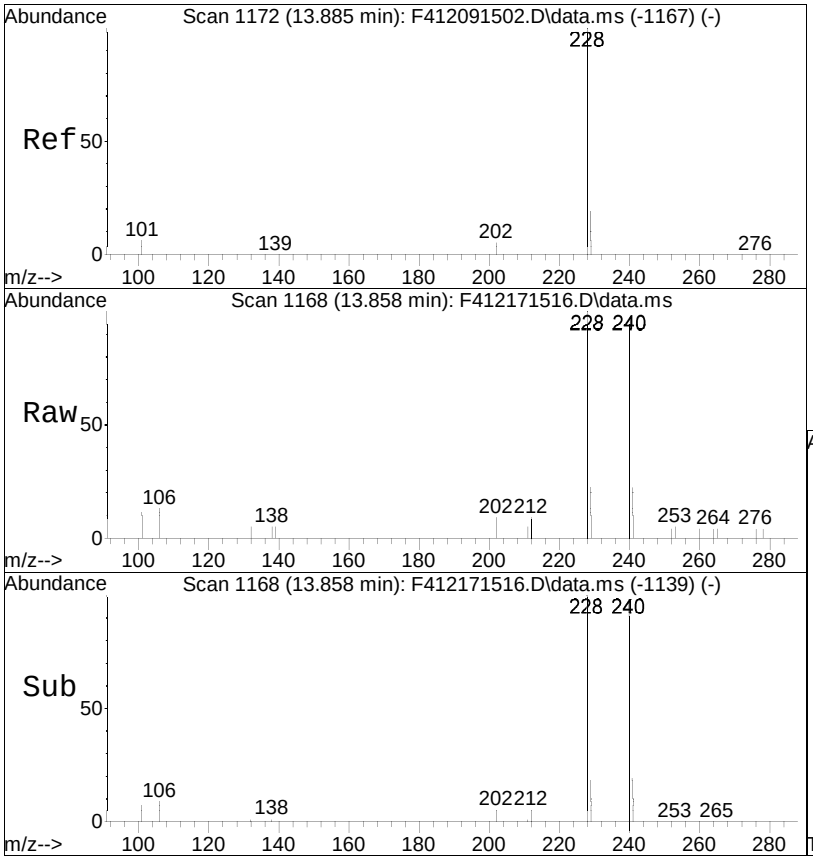


#27
Benz[a]anthracene
Concen: 12.63 ng/mL M4
RT: 13.795 min Scan# 1159
Delta R.T. 0.000 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:228 Resp: 1096

Ion	Ratio	Lower	Upper
228	100		
229	24.5	15.2	22.8#

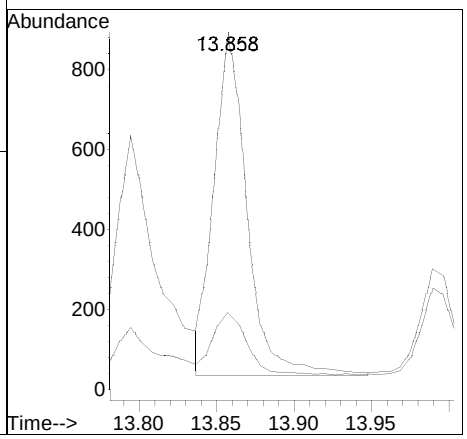


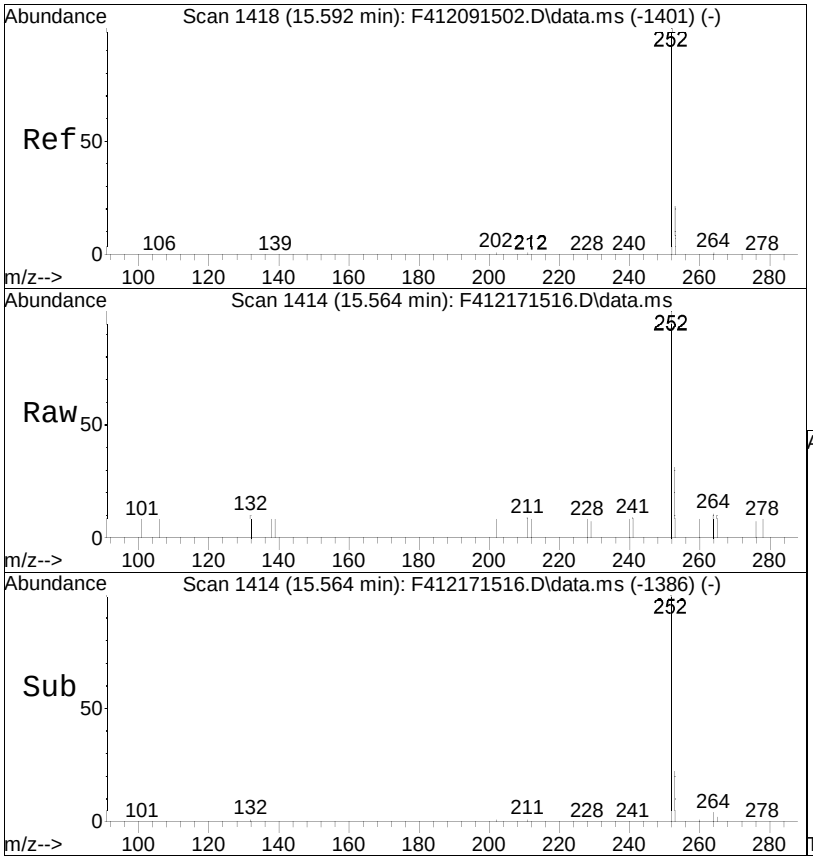


#28
Chrysene
Concen: 9.88 ng/mL M4
RT: 13.858 min Scan# 1168
Delta R.T. 0.001 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:228 Resp: 1277

Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.0	22.6

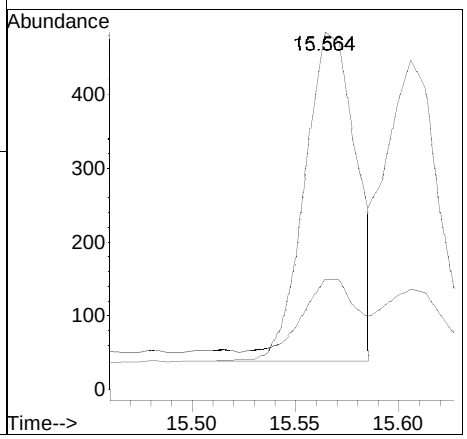


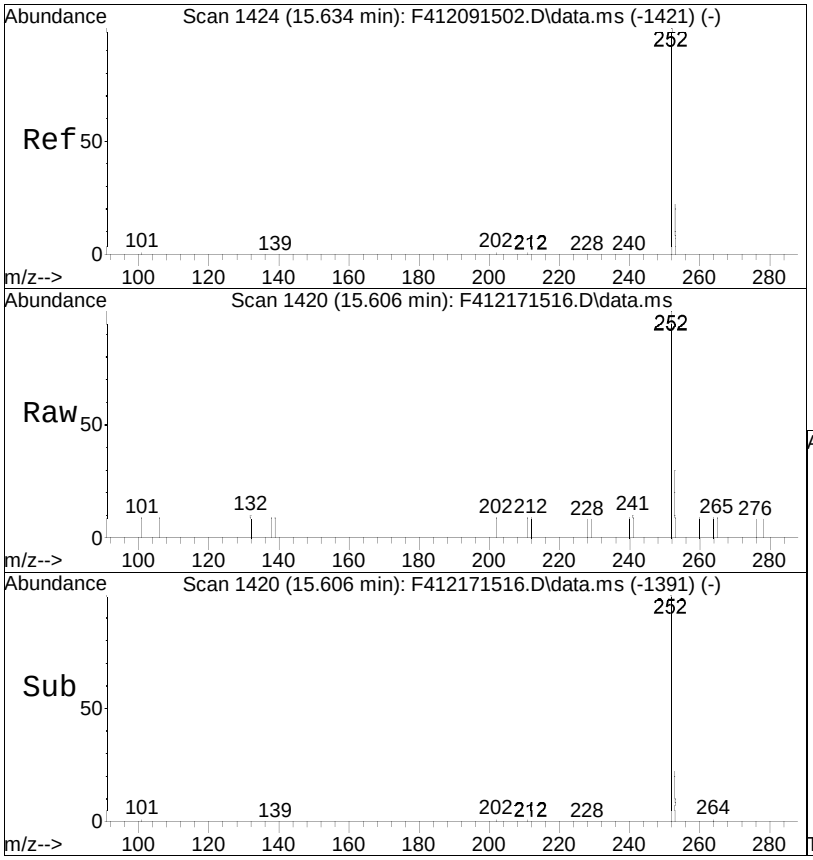


#32
Benzo[b]fluoranthene
Concen: 12.97 ng/mL
RT: 15.564 min Scan# 1414
Delta R.T. -0.007 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:252 Resp: 792

Ion	Ratio	Lower	Upper
252	100		
253	30.8	17.1	25.7#

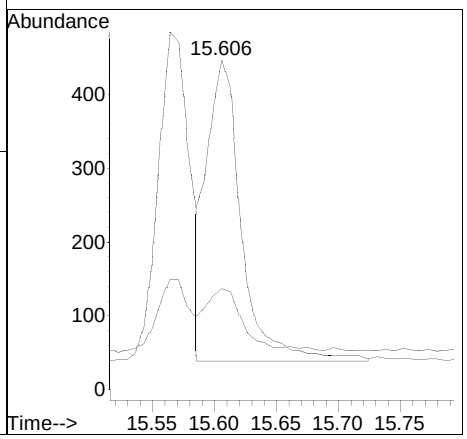


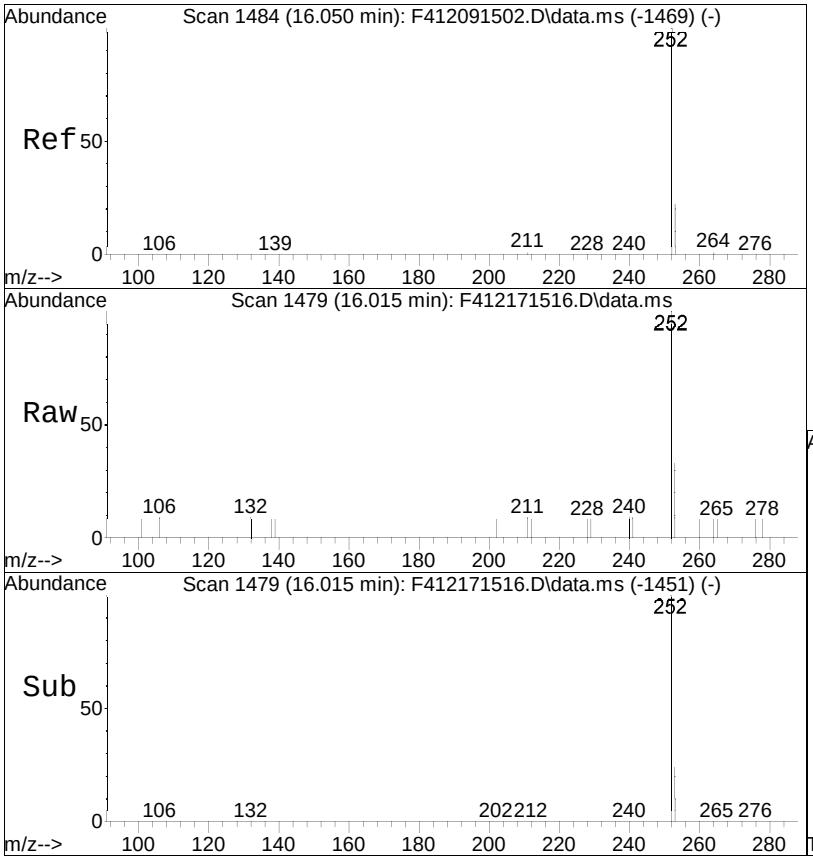


#33
Benzo[k]fluoranthene
Concen: 10.17 ng/mL M4
RT: 15.606 min Scan# 1420
Delta R.T. -0.000 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:252 Resp: 795

Ion	Ratio	Lower	Upper
252	100		
253	30.2	17.2	25.8#

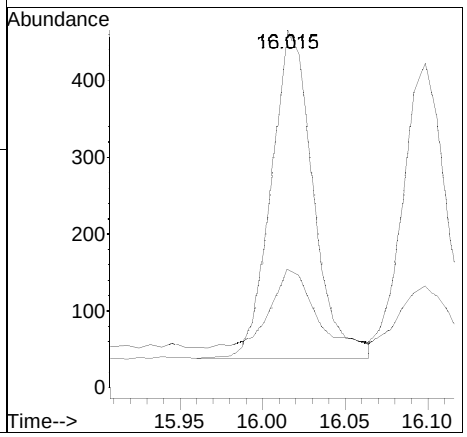


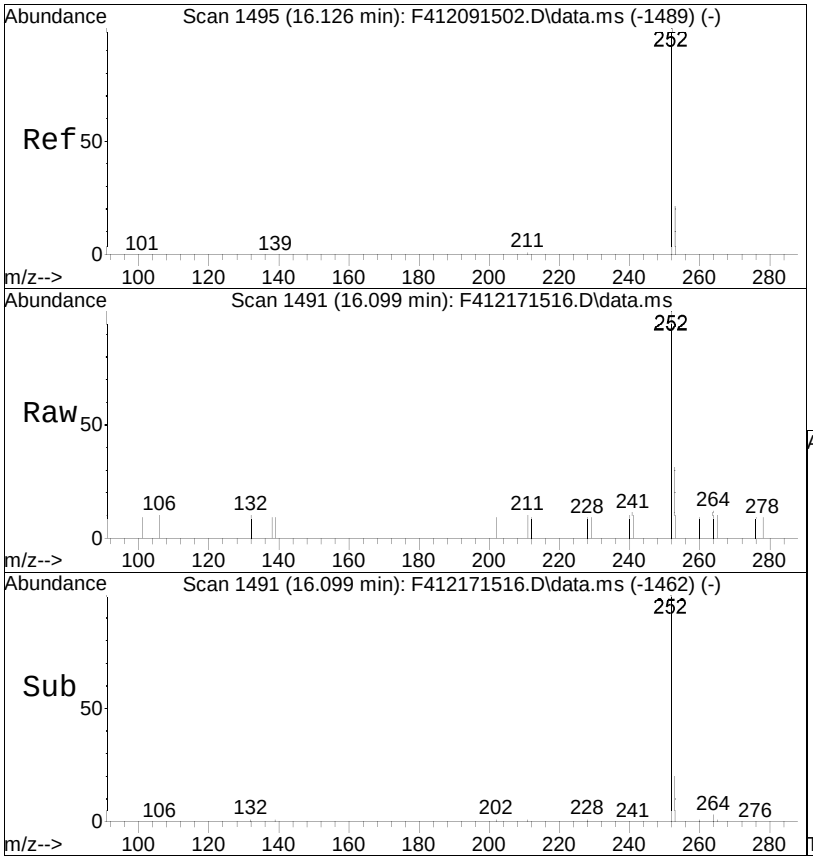


#34
Benzo[e]pyrene
Concen: 11.85 ng/mL
RT: 16.015 min Scan# 1479
Delta R.T. -0.007 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:252 Resp: 759

Ion	Ratio	Lower	Upper
252	100		
253	33.1	17.1	25.7#

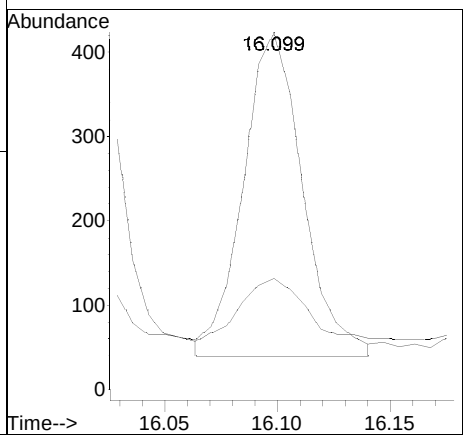


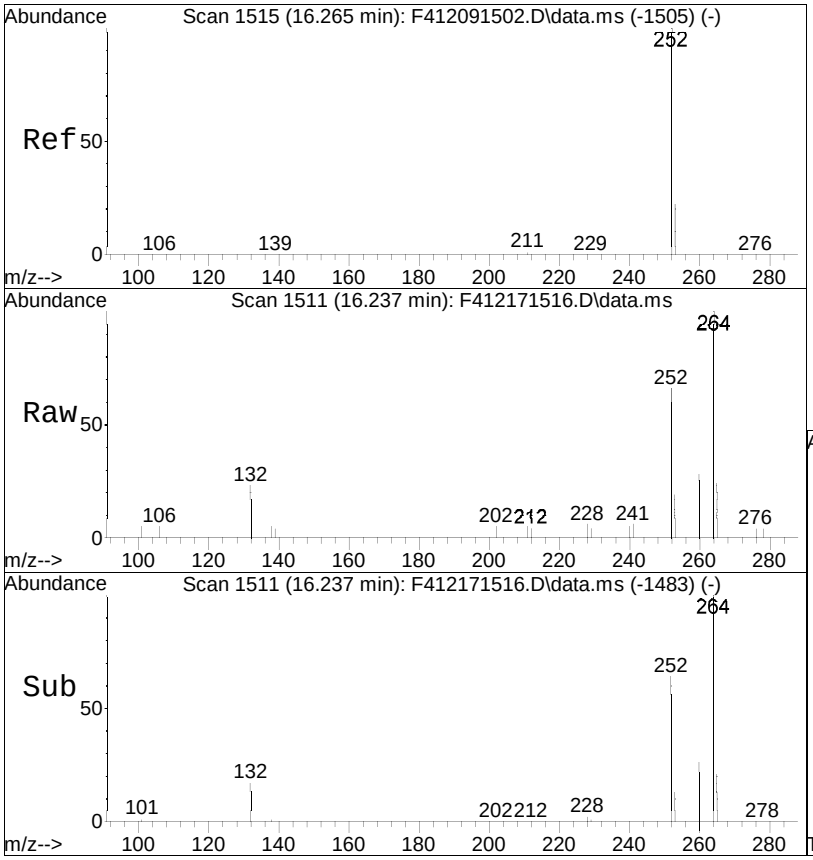


#35
Benzo[a]pyrene
Concen: 11.80 ng/mL M4
RT: 16.099 min Scan# 1491
Delta R.T. 0.001 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:252 Resp: 704

Ion	Ratio	Lower	Upper
252	100		
253	28.9	17.3	25.9#

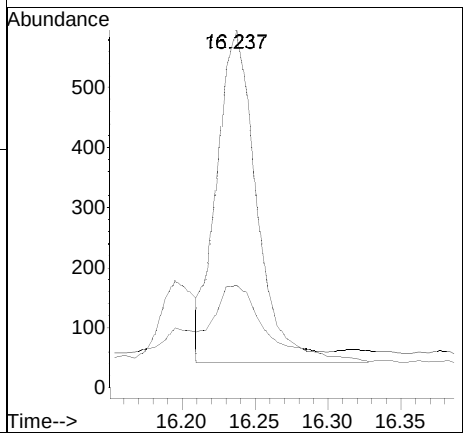


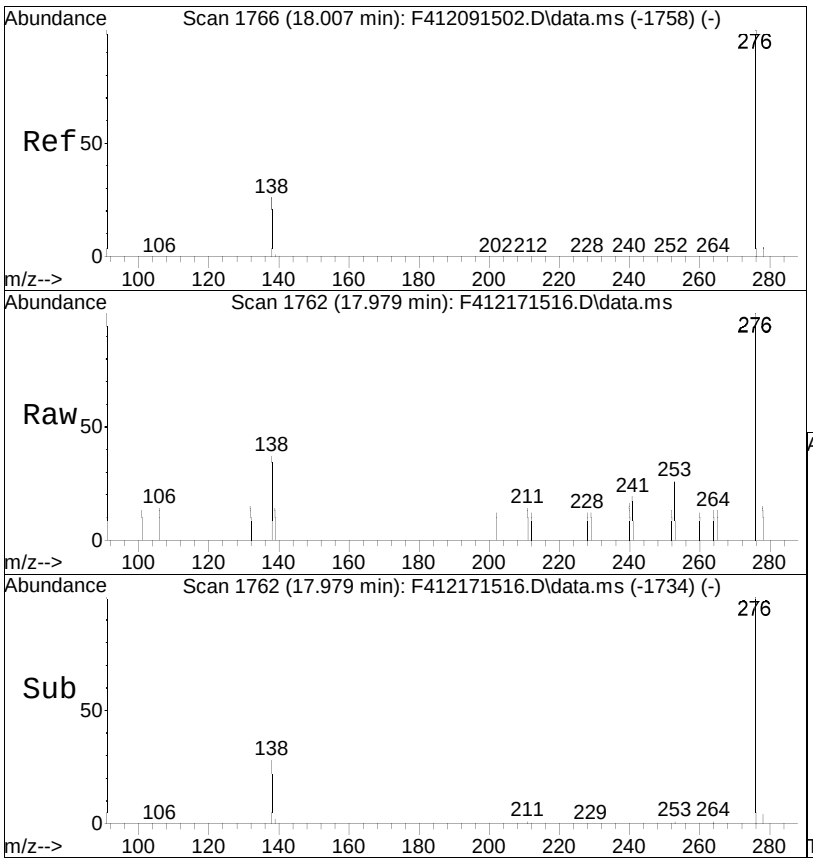


#36
Perylene
Concen: 9.50 ng/mL M4
RT: 16.237 min Scan# 1511
Delta R.T. -0.007 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:252 Resp: 1047

Ion	Ratio	Lower	Upper
252	100		
253	28.4	17.2	25.8#

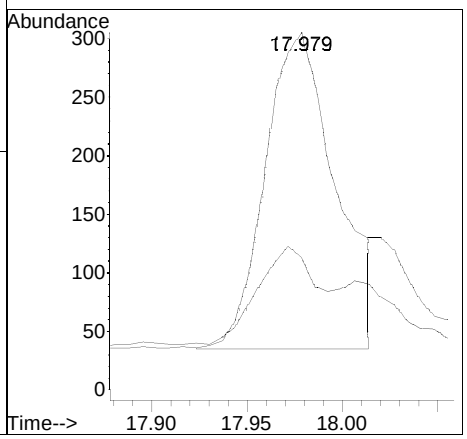


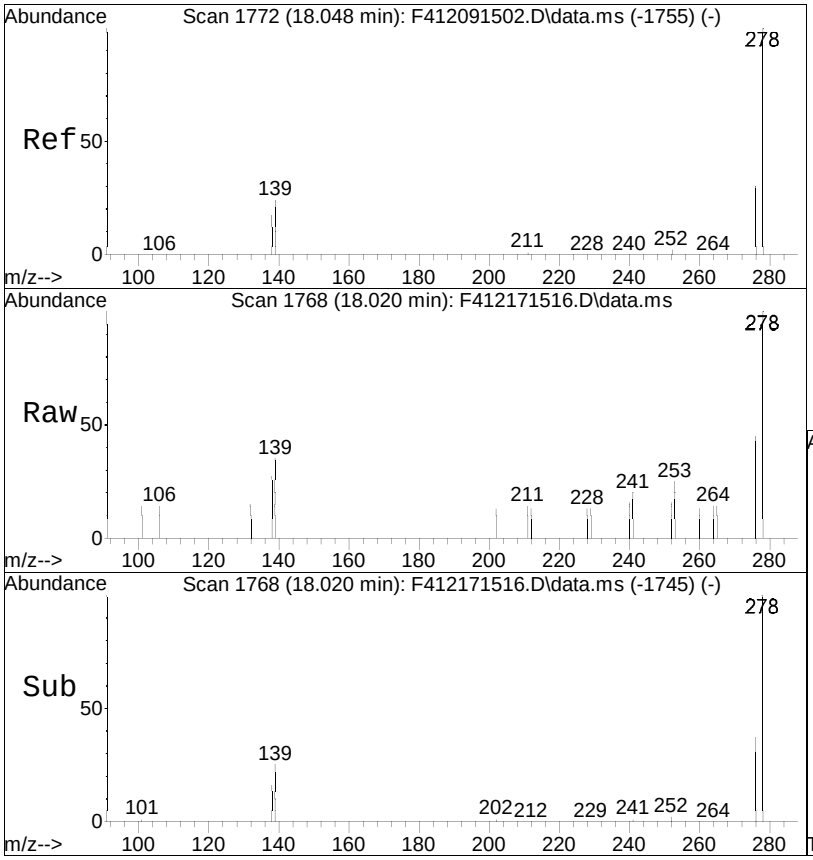


#37
Indeno[1,2,3-cd]pyrene
Concen: 12.94 ng/mL M4
RT: 17.979 min Scan# 1762
Delta R.T. -0.000 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:276 Resp: 695

Ion	Ratio	Lower	Upper
276	100		
138	47.0	20.3	30.5#

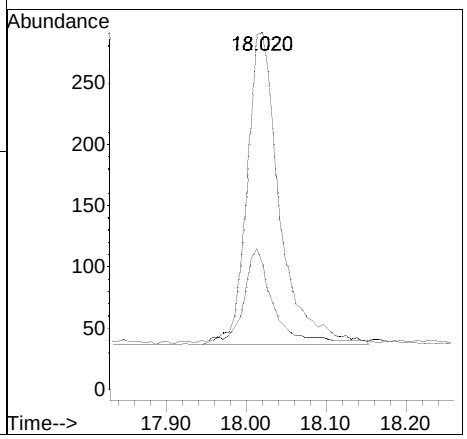


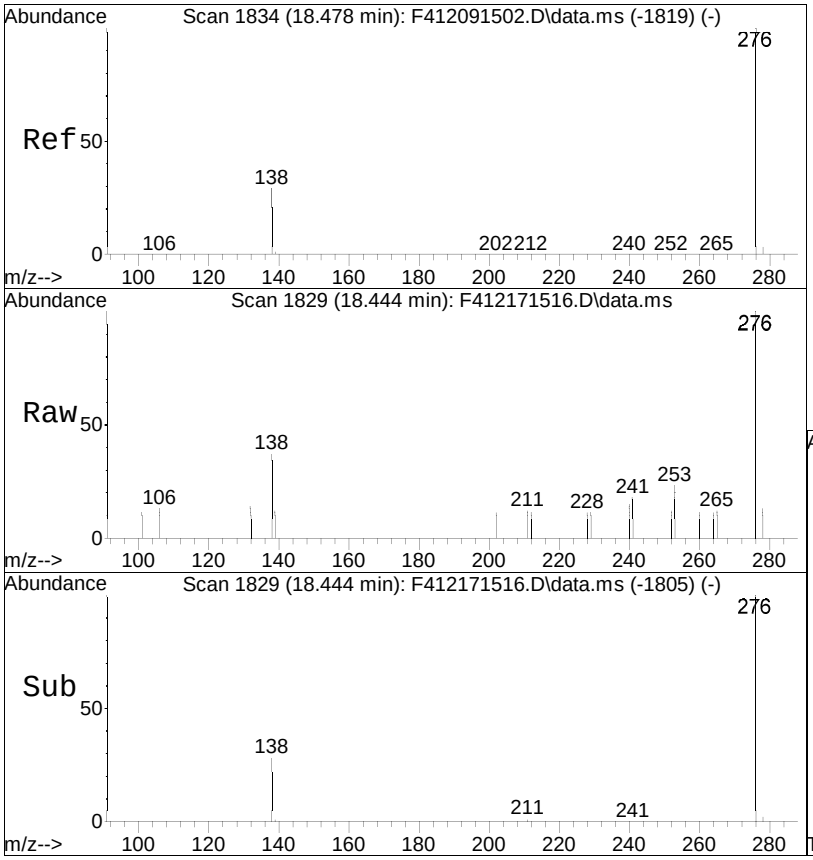


#38
Dibenz[a,h]anthracene
Concen: 11.92 ng/mL
RT: 18.020 min Scan# 1768
Delta R.T. 0.000 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:278 Resp: 721

Ion	Ratio	Lower	Upper
278	100		
139	35.4	16.3	24.5#

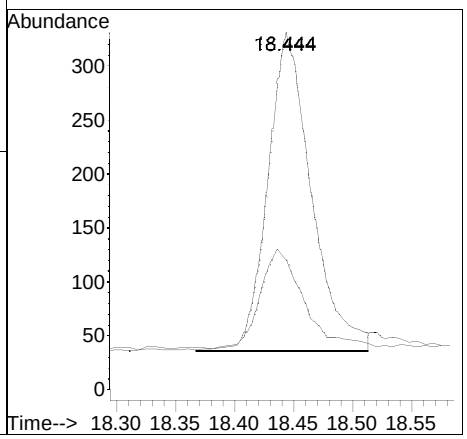




#39
Benzo[g,h,i]perylene
Concen: 11.61 ng/mL M4
RT: 18.444 min Scan# 1829
Delta R.T. -0.000 min
Lab File: F412171516.D
Acq: 17 Dec 2015 6:02 pm

Tgt Ion:276 Resp: 751

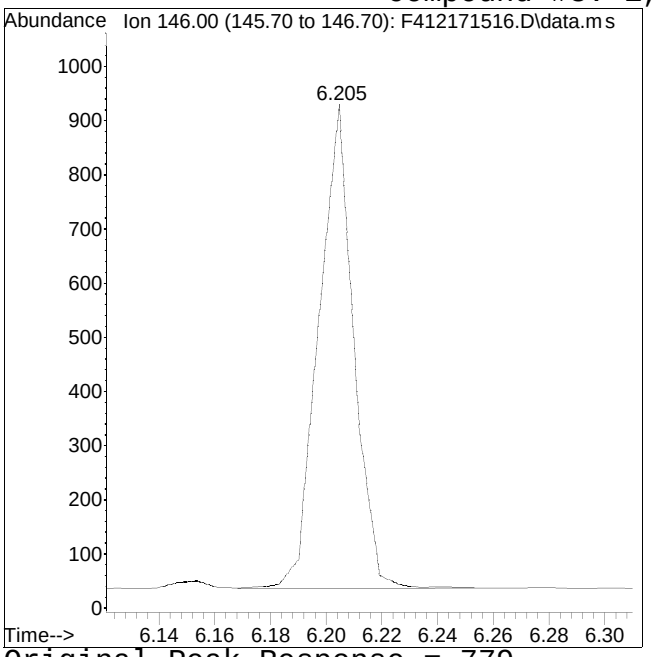
Ion	Ratio	Lower	Upper
276	100		
138	38.2	20.2	30.4#



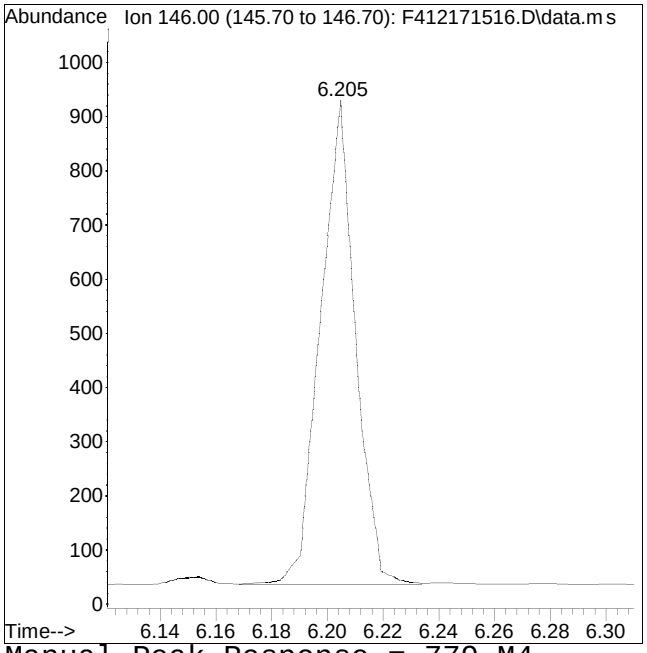
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412171516.D Operator : BNA4:SF
Date Inj'd : 12/17/2015 6:02 pm Instrument : BNA4
Sample : I412171501 Quant Date : 12/18/2015 11:49 am

Compound #3: 1,4-Dichlorobenzene



Original Peak Response = 779



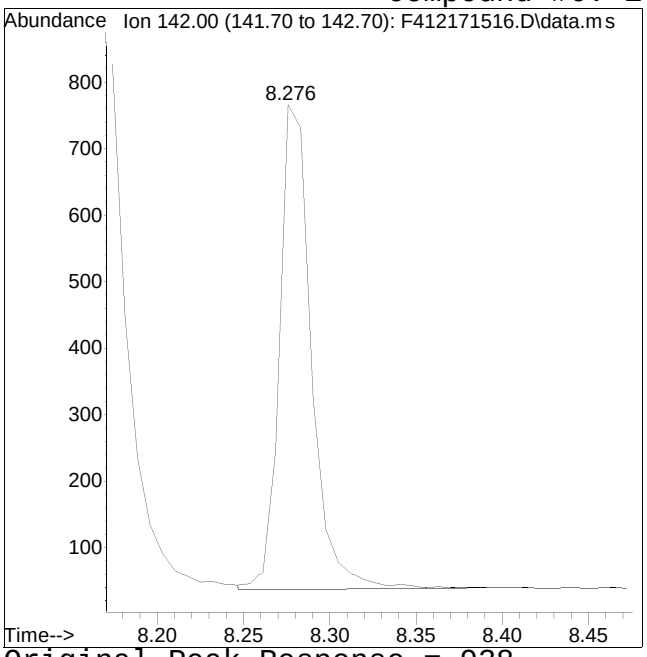
Manual Peak Response = 779 M4

M4 = Poor automated baseline construction.

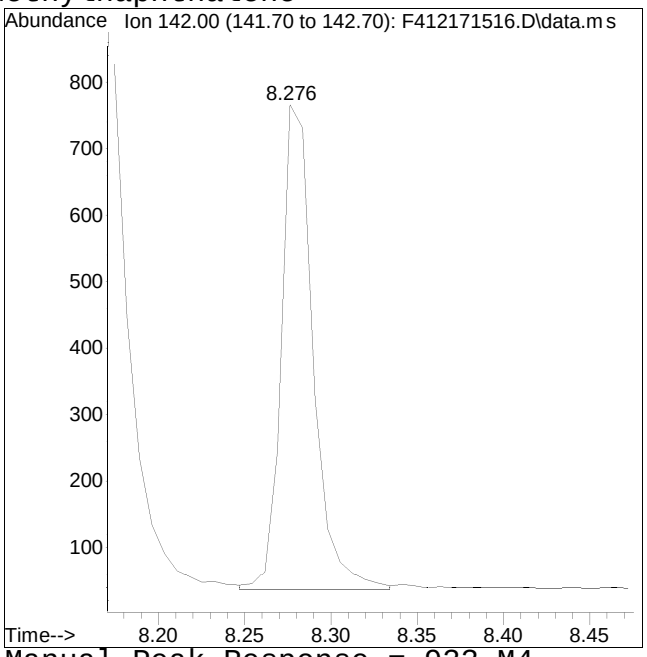
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412171516.D Operator : BNA4:SF
Date Inj'd : 12/17/2015 6:02 pm Instrument : BNA4
Sample : I412171501 Quant Date : 12/18/2015 11:49 am

Compound #6: 1-Methylnaphthalene



Original Peak Response = 938



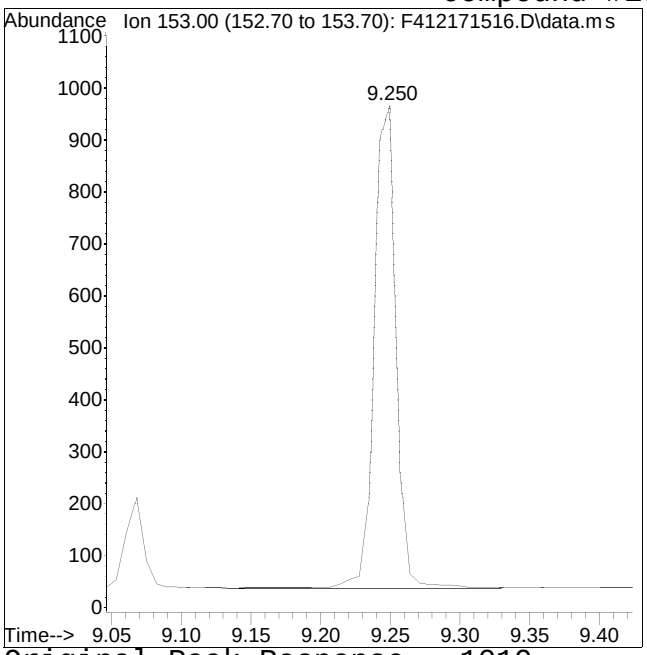
Manual Peak Response = 933 M4

M4 = Poor automated baseline construction.

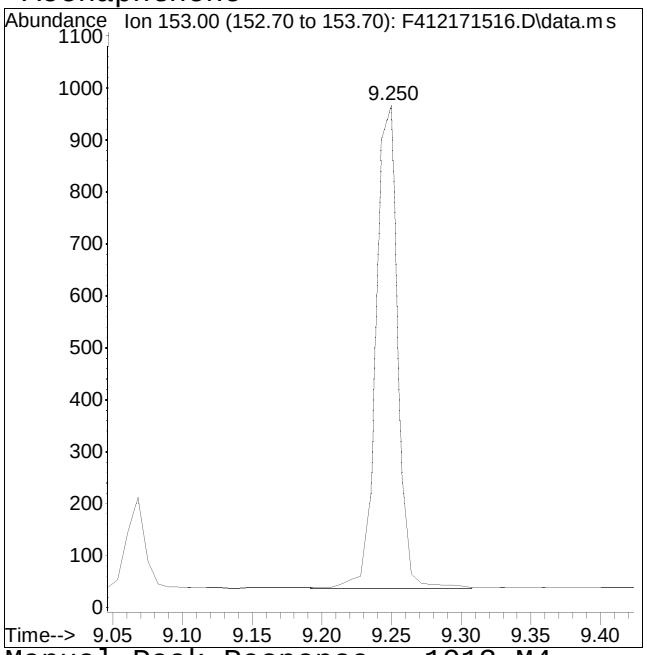
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412171516.D Operator : BNA4:SF
Date Inj'd : 12/17/2015 6:02 pm Instrument : BNA4
Sample : I412171501 Quant Date : 12/18/2015 11:49 am

Compound #13: Acenaphthene



Original Peak Response = 1019



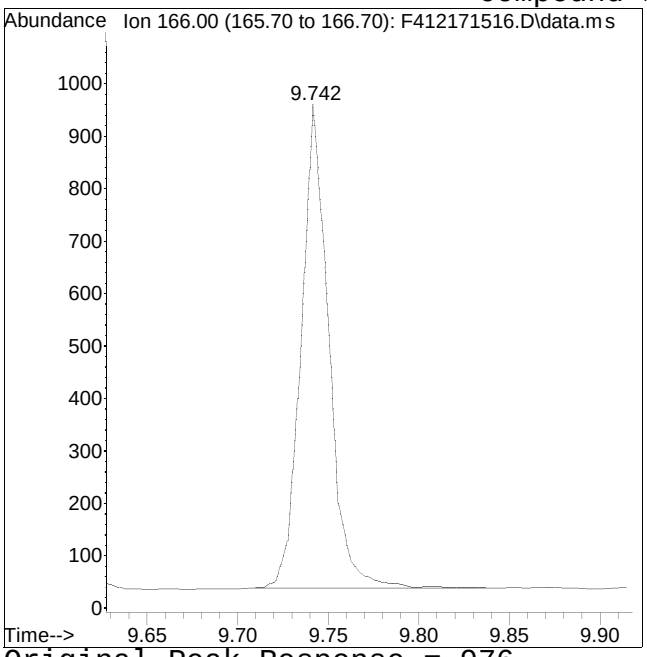
Manual Peak Response = 1013 M4

M4 = Poor automated baseline construction.

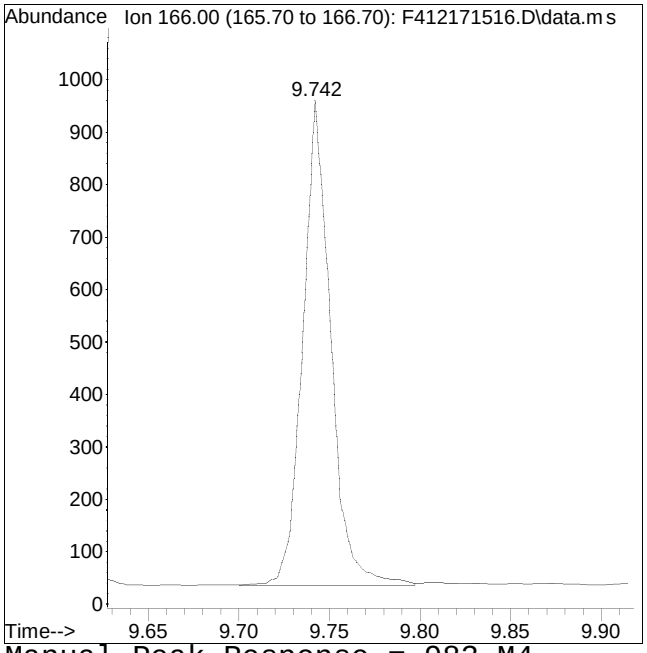
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412171516.D Operator : BNA4:SF
Date Inj'd : 12/17/2015 6:02 pm Instrument : BNA4
Sample : I412171501 Quant Date : 12/18/2015 11:49 am

Compound #15: Fluorene



Original Peak Response = 976



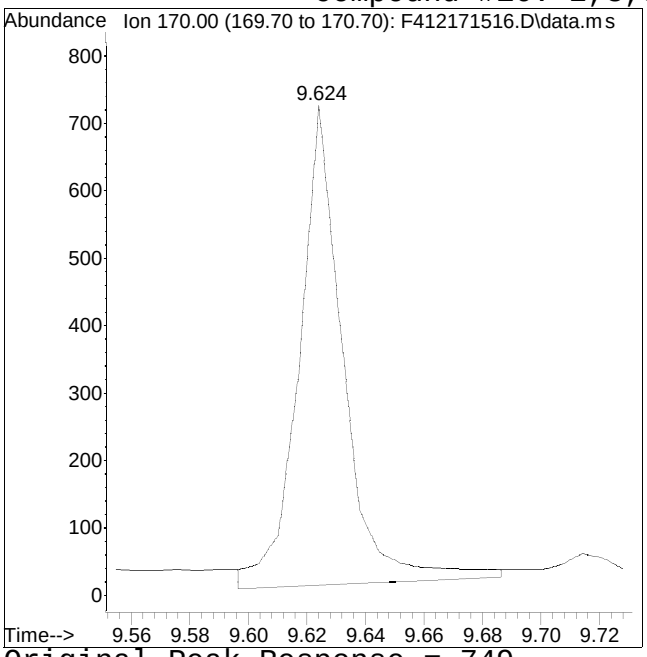
Manual Peak Response = 983 M4

M4 = Poor automated baseline construction.

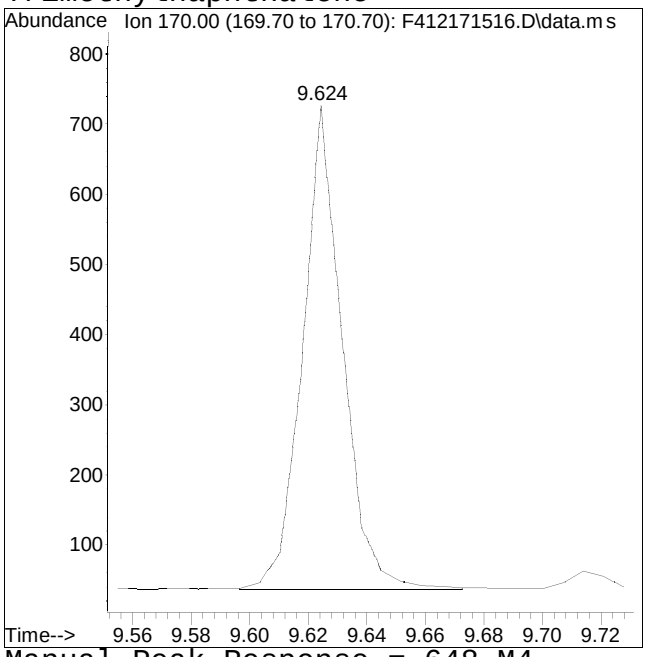
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412171516.D Operator : BNA4:SF
Date Inj'd : 12/17/2015 6:02 pm Instrument : BNA4
Sample : I412171501 Quant Date : 12/18/2015 11:49 am

Compound #16: 2,3,5-Trimethylnaphthalene



Original Peak Response = 749



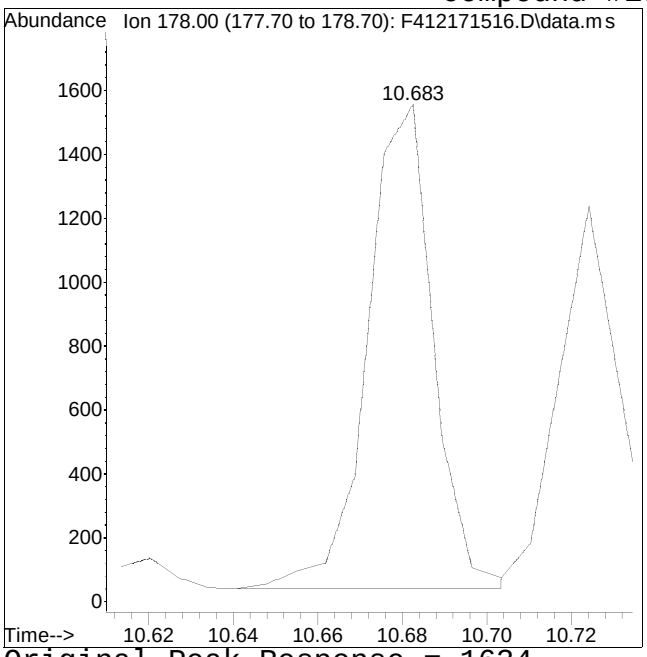
Manual Peak Response = 648 M4

M4 = Poor automated baseline construction.

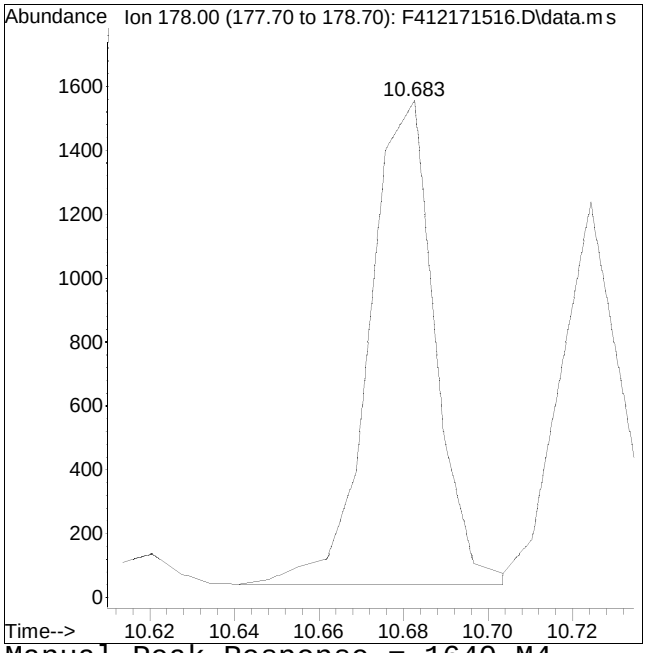
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412171516.D Operator : BNA4:SF
Date Inj'd : 12/17/2015 6:02 pm Instrument : BNA4
Sample : I412171501 Quant Date : 12/18/2015 11:49 am

Compound #19: Phenanthrene



Original Peak Response = 1634



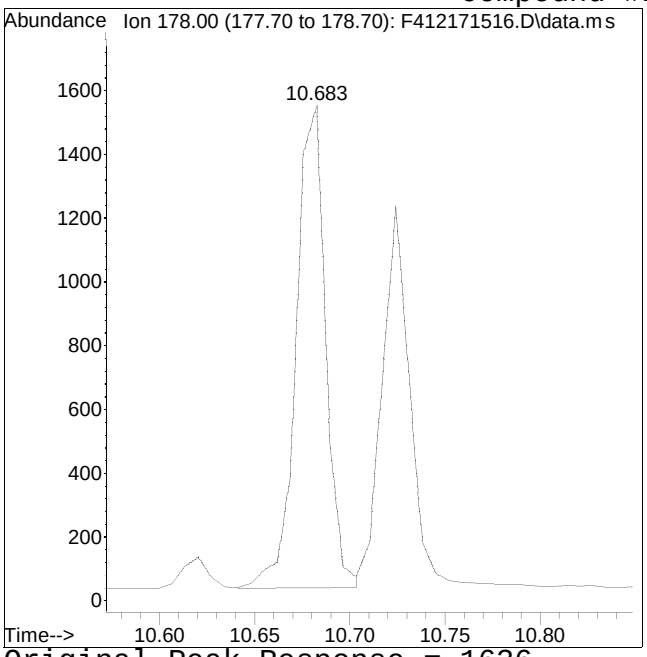
Manual Peak Response = 1640 M4

M4 = Poor automated baseline construction.

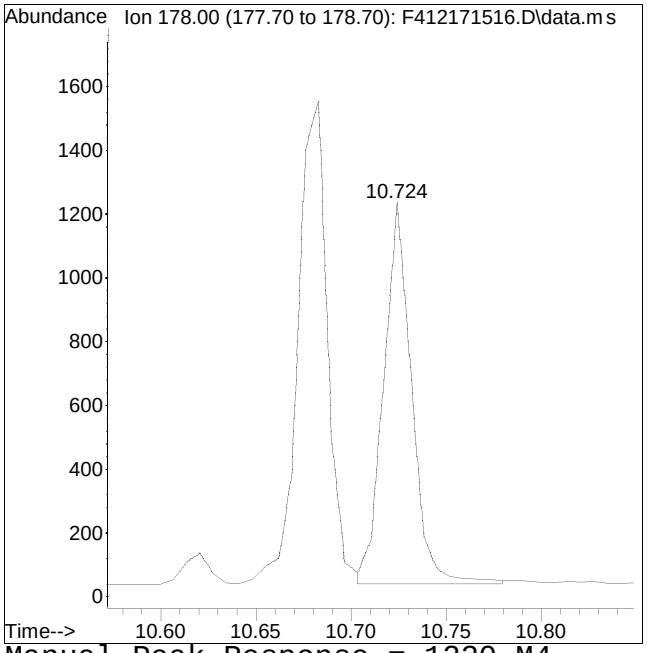
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412171516.D Operator : BNA4:SF
Date Inj'd : 12/17/2015 6:02 pm Instrument : BNA4
Sample : I412171501 Quant Date : 12/18/2015 11:49 am

Compound #20: Anthracene



Original Peak Response = 1636



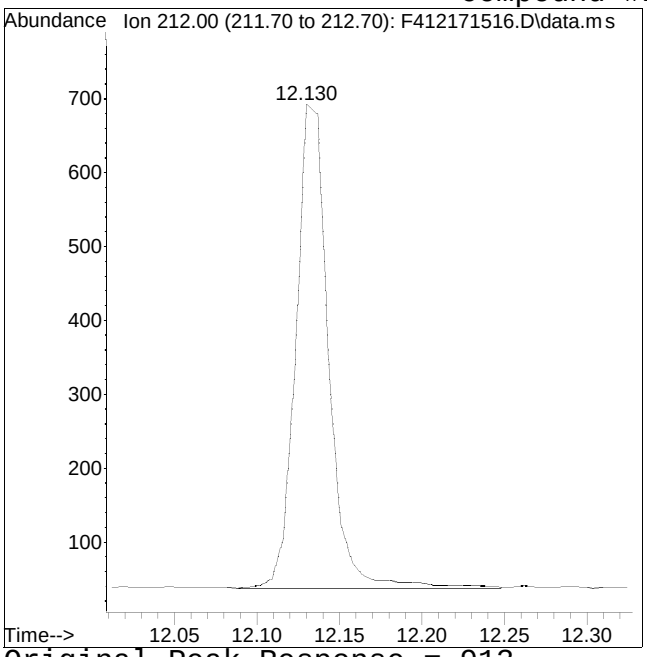
Manual Peak Response = 1220 M4

M4 = Poor automated baseline construction.

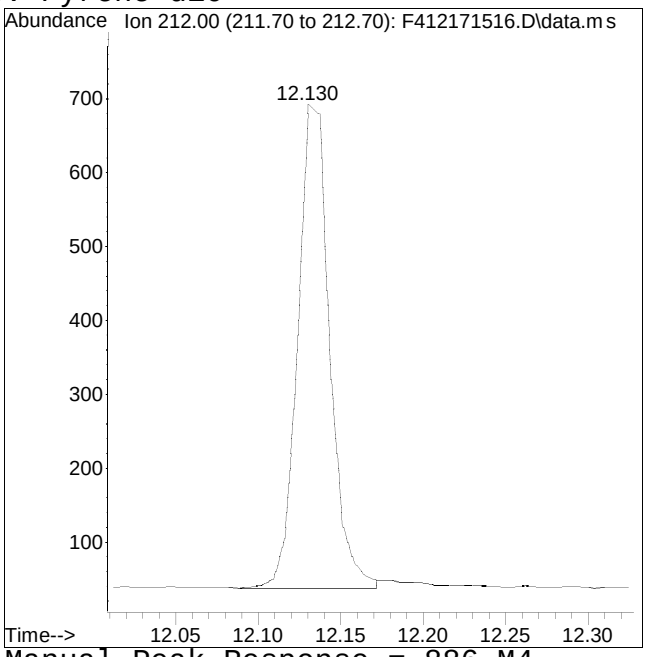
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412171516.D Operator : BNA4:SF
Date Inj'd : 12/17/2015 6:02 pm Instrument : BNA4
Sample : I412171501 Quant Date : 12/18/2015 11:49 am

Compound #25: Pyrene-d10



Original Peak Response = 913



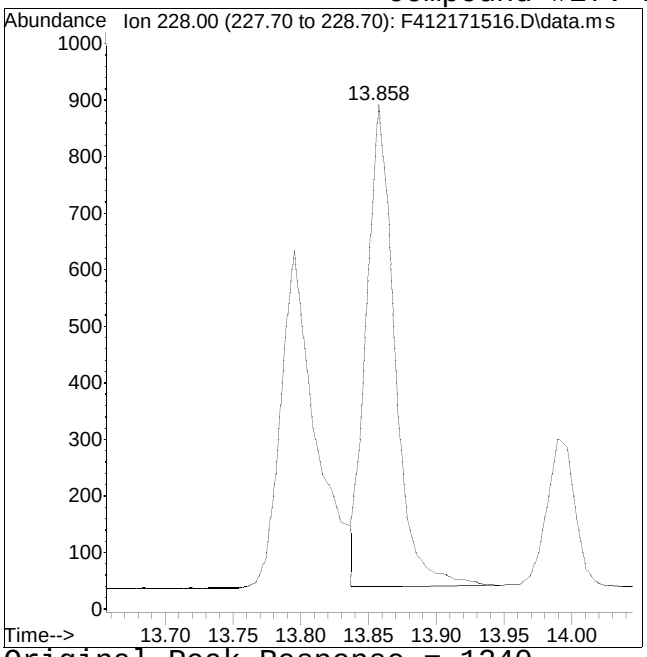
Manual Peak Response = 886 M4

M4 = Poor automated baseline construction.

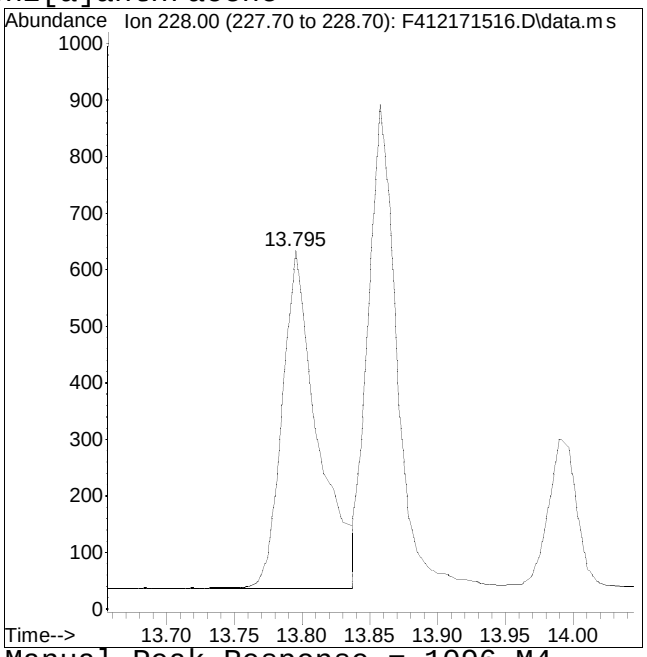
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412171516.D Operator : BNA4:SF
Date Inj'd : 12/17/2015 6:02 pm Instrument : BNA4
Sample : I412171501 Quant Date : 12/18/2015 11:49 am

Compound #27: Benz[a]anthracene



Original Peak Response = 1240



Manual Peak Response = 1096 M4

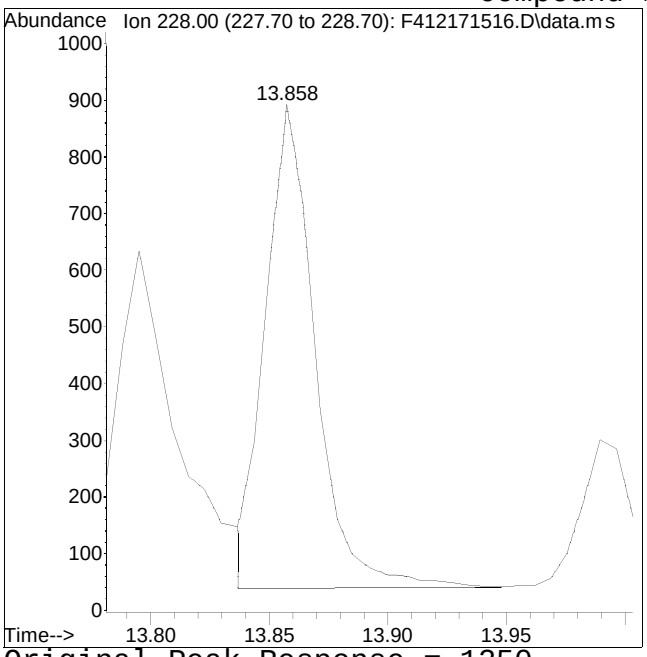
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

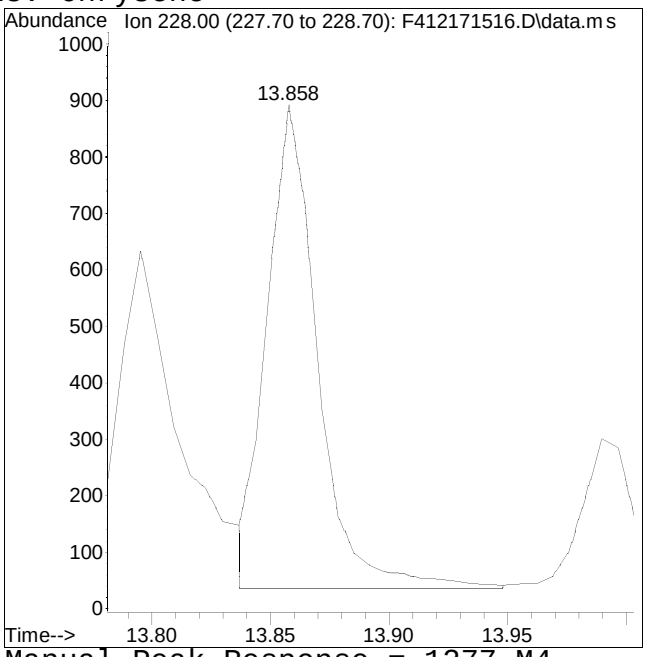
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412171516.D
Date Inj'd : 12/17/2015 6:02 pm
Sample : I412171501

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/18/2015 11:49 am

Compound #28: Chrysene



Original Peak Response = 1250



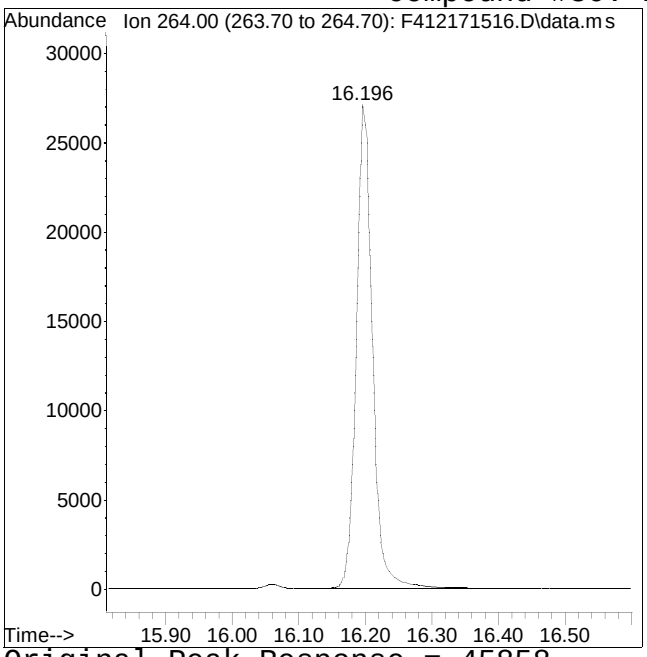
Manual Peak Response = 1277 M4

M4 = Poor automated baseline construction.

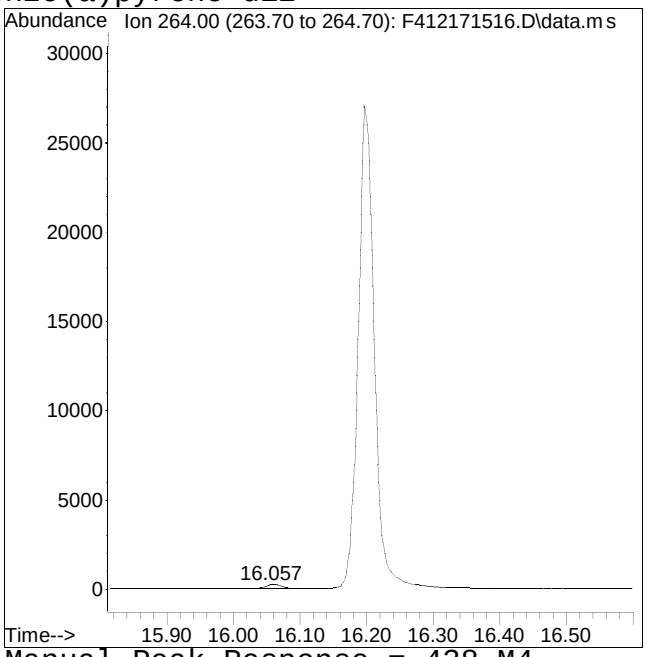
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412171516.D Operator : BNA4:SF
Date Inj'd : 12/17/2015 6:02 pm Instrument : BNA4
Sample : I412171501 Quant Date : 12/18/2015 11:49 am

Compound #30: Benzo(a)pyrene-d12



Original Peak Response = 45858



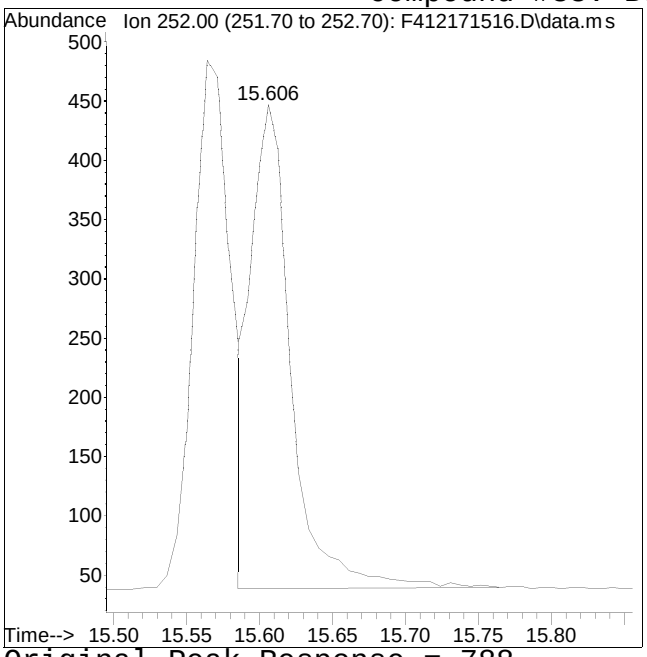
Manual Peak Response = 438 M4

M4 = Poor automated baseline construction.

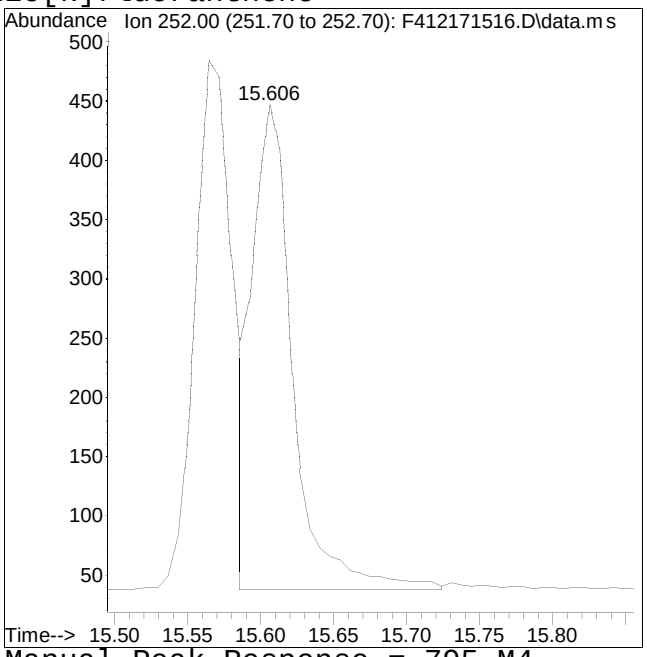
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412171516.D Operator : BNA4:SF
Date Inj'd : 12/17/2015 6:02 pm Instrument : BNA4
Sample : I412171501 Quant Date : 12/18/2015 11:49 am

Compound #33: Benzo[k]fluoranthene



Original Peak Response = 788



Manual Peak Response = 795 M4

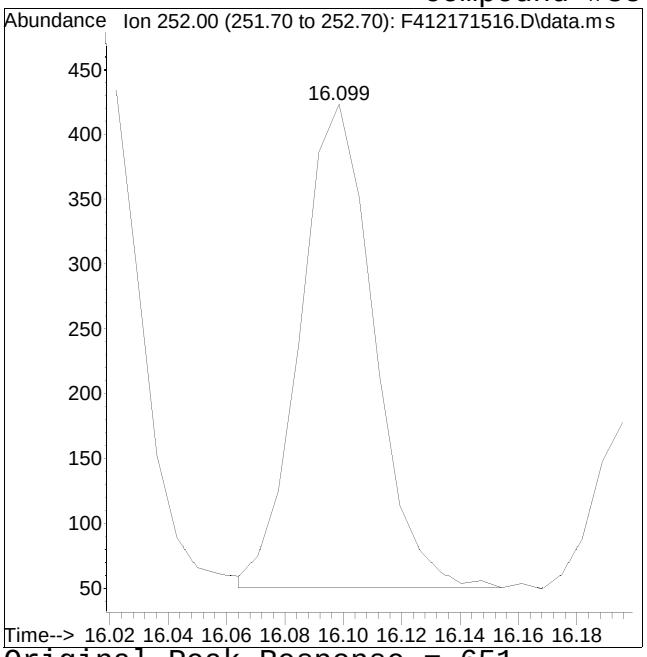
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

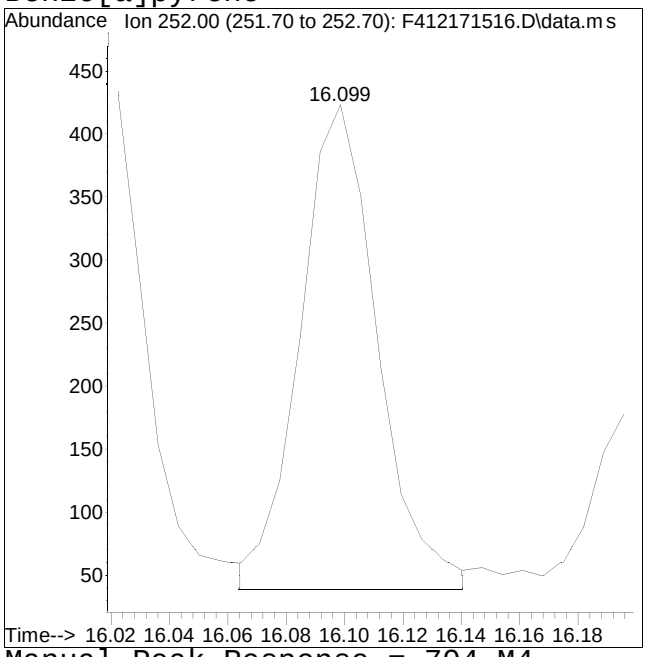
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412171516.D
Date Inj'd : 12/17/2015 6:02 pm
Sample : I412171501

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/18/2015 11:49 am

Compound #35: Benzo[a]pyrene



Original Peak Response = 651



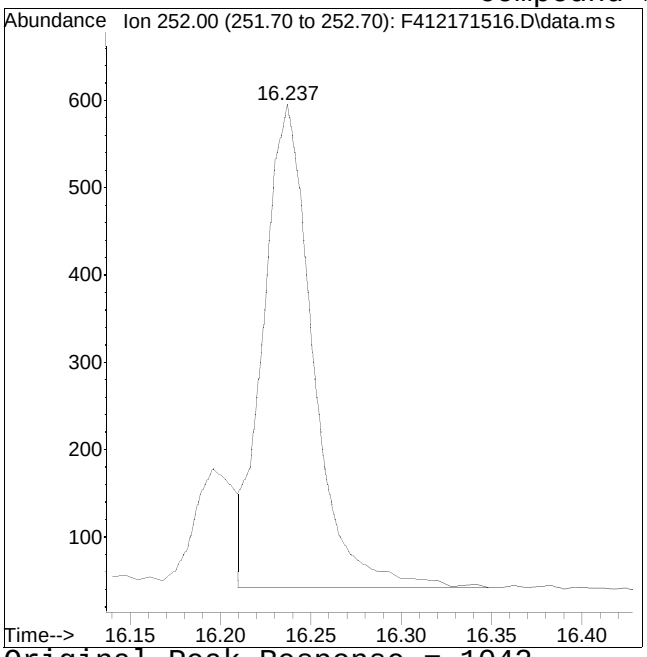
Manual Peak Response = 704 M4

M4 = Poor automated baseline construction.

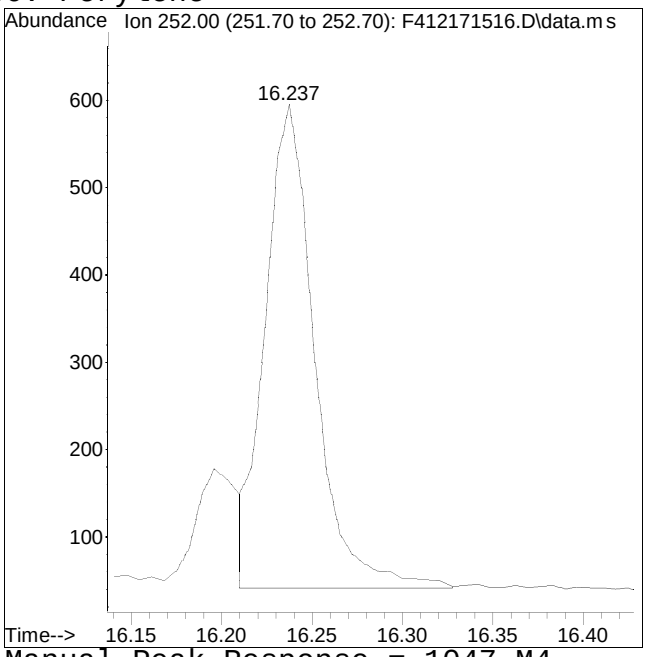
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412171516.D Operator : BNA4:SF
Date Inj'd : 12/17/2015 6:02 pm Instrument : BNA4
Sample : I412171501 Quant Date : 12/18/2015 11:49 am

Compound #36: Perylene



Original Peak Response = 1042



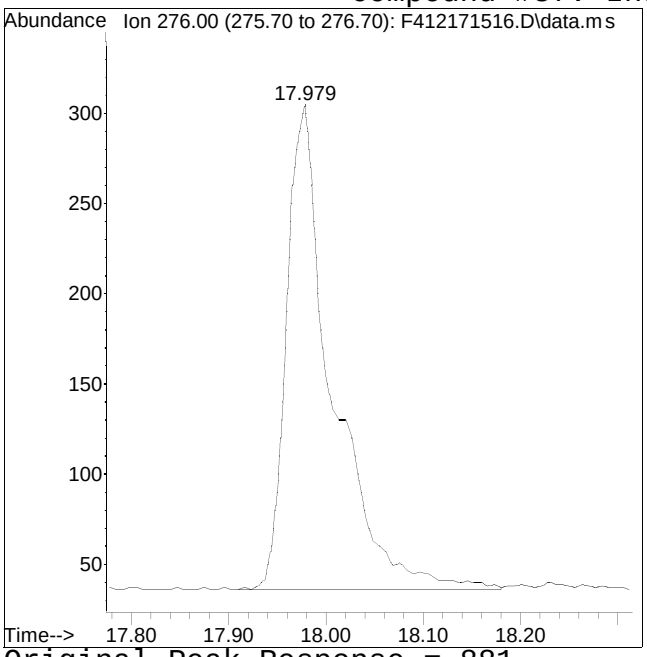
Manual Peak Response = 1047 M4

M4 = Poor automated baseline construction.

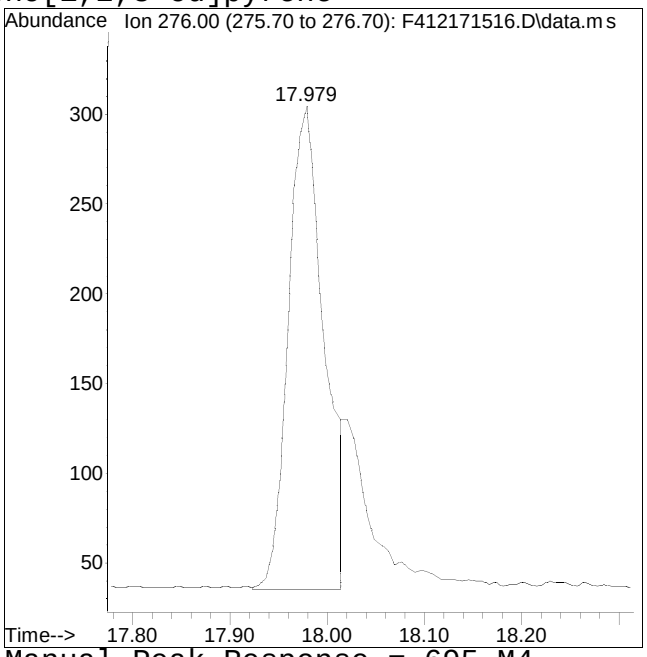
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412171516.D Operator : BNA4:SF
Date Inj'd : 12/17/2015 6:02 pm Instrument : BNA4
Sample : I412171501 Quant Date : 12/18/2015 11:49 am

Compound #37: Indeno[1,2,3-cd]pyrene



Original Peak Response = 881



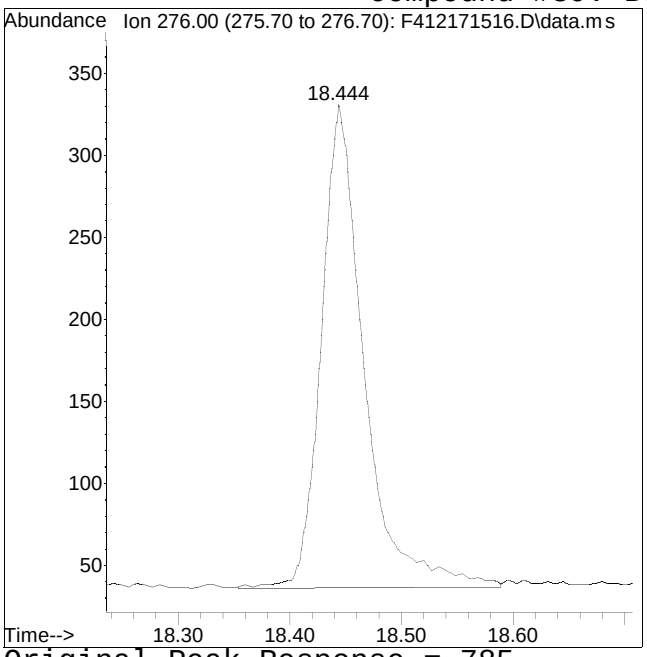
Manual Peak Response = 695 M4

M4 = Poor automated baseline construction.

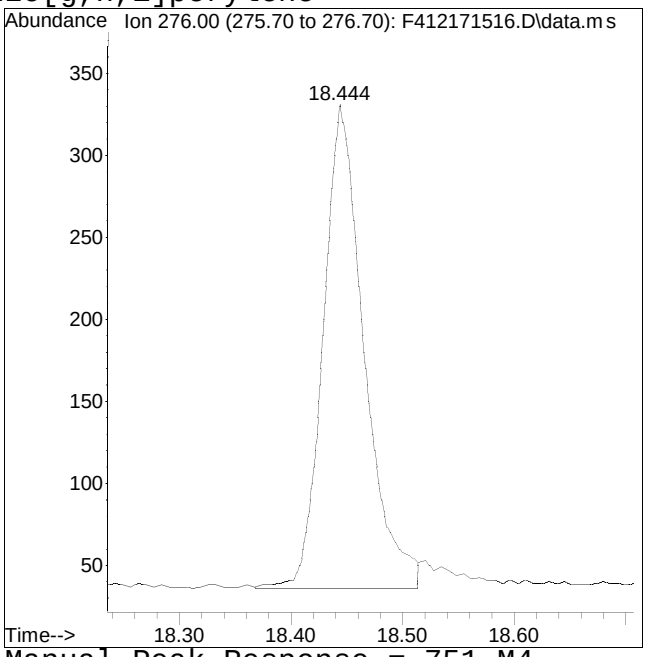
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412171516.D Operator : BNA4:SF
Date Inj'd : 12/17/2015 6:02 pm Instrument : BNA4
Sample : I412171501 Quant Date : 12/18/2015 11:49 am

Compound #39: Benzo[g,h,i]perylene



Original Peak Response = 785



Manual Peak Response = 751 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171517.D
Acq On : 17 Dec 2015 6:33 pm
Operator : BNA4:SF
Sample : I412171502
Misc : WG851049,MSAG95
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 11:50:17 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:50:16 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.462	136	74873	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.220	164	35137	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.662	188	70117	500.000	ng/mL	0.00
24) Chrysene-d12	13.823	240	56105	500.000	ng/mL	0.00
29) Perylene-d12	16.196	264	46158	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.145	152	1534	18.924	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery =	0.38%#		
18) Fluoranthene-d10	11.873	212	1892	16.881	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery =	3.38%#		
25) Pyrene-d10	12.130	212	1840	16.901	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery =	0.34%#		
30) Benzo(a)pyrene-d12	16.064	264	917M4	18.803	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery =	3.76%#		
31) Benzo[b]fluoranthene-d12	15.530	264	1208	15.987	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery =	0.32%#		
Target Compounds						Qvalue
2) Naphthalene	7.484	128	3377	21.393	ng/mL	98
3) 1,4-Dichlorobenzene	6.205	146	1424	21.554	ng/mL	91
5) 2-Methylnaphthalene	8.174	142	1931	19.499	ng/mL	99
6) 1-Methylnaphthalene	8.276	142	1862	19.832	ng/mL	97
8) Dibenzothiophene	10.558	184	2675	18.804	ng/mL	98
9) 2-Chloronaphthalene	8.654	162	1900	19.313	ng/mL	98
10) Biphenyl	8.646	154	2406	19.790	ng/mL	97
11) 2,6-Dimethylnaphthalene	8.792	156	1545	18.900	ng/mL	95
12) Acenaphthylene	9.068	152	2482	17.724	ng/mL	97
13) Acenaphthene	9.249	153	1923	20.172	ng/mL	97
14) Dibenzofuran	9.409	168	2683	20.039	ng/mL	91
15) Fluorene	9.742	166	1911	18.607	ng/mL	97
16) 2,3,5-Trimethylnaphthalen	9.624	170	1350M4	18.771	ng/mL	
19) Phenanthrene	10.683	178	3149	20.411	ng/mL	97
20) Anthracene	10.724	178	2528	17.813	ng/mL	95
21) Carbazole	10.890	167	2380	17.429	ng/mL	94
22) 1-Methylphenanthrene	11.298	192	1814	17.846	ng/mL	98
23) Fluoranthene	11.894	202	2720	17.741	ng/mL#	94
26) Pyrene	12.151	202	2976	17.755	ng/mL	95
27) Benz[a]anthracene	13.795	228	2038	19.571	ng/mL	93

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171517.D
Acq On : 17 Dec 2015 6:33 pm
Operator : BNA4:SF
Sample : I412171502
Misc : WG851049,MSAG95
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 11:50:17 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:50:16 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Chrysene	13.857	228	2479	19.033	ng/mL	95
32) Benzo[b]fluoranthene	15.564	252	1715	19.925	ng/mL#	91
33) Benzo[k]fluoranthene	15.606	252	1744M4	19.070	ng/mL	
34) Benzo[e]pyrene	16.022	252	1591	19.402	ng/mL#	88
35) Benzo[a]pyrene	16.098	252	1547M4	18.974	ng/mL	
36) Perylene	16.237	252	2079M4	18.711	ng/mL	
37) Indeno[1,2,3-cd]pyrene	17.979	276	1391M4	19.681	ng/mL	
38) Dibenz[a,h]anthracene	18.020	278	1529	19.543	ng/mL#	86
39) Benzo[g,h,i]perylene	18.444	276	1659	19.831	ng/mL#	85

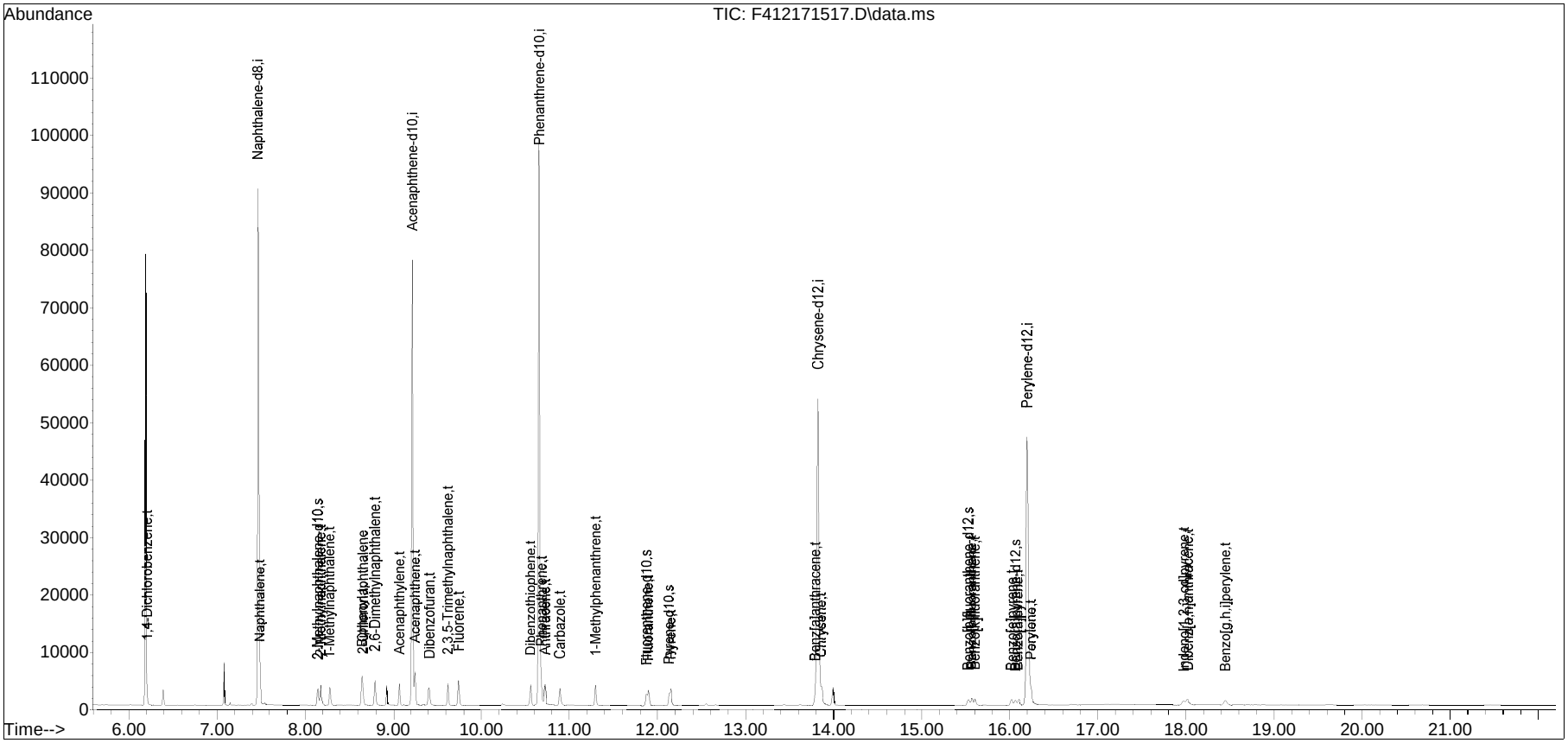
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171517.D
Acq On : 17 Dec 2015 6:33 pm
Operator : BNA4:SF
Sample : I412171502
Misc : WG851049,MSAG95
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 11:50:17 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:50:16 2015
Response via : Initial Calibration

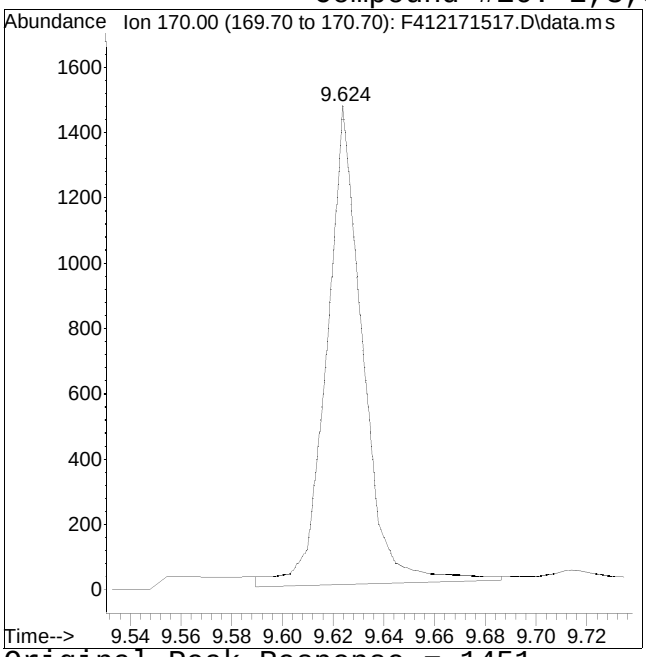
Sub List : Default - All compounds listed

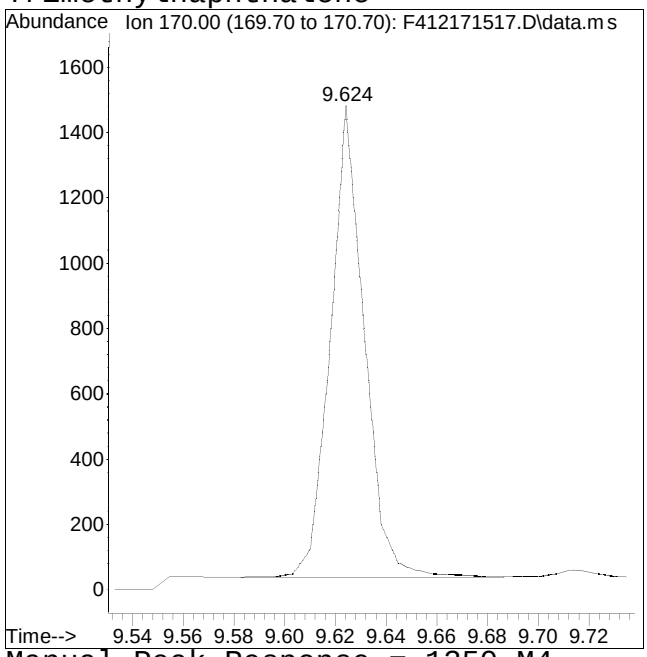


Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412171517.D Operator : BNA4:SF
Date Inj'd : 12/17/2015 6:33 pm Instrument : BNA4
Sample : I412171502 Quant Date : 12/18/2015 11:50 am

Compound #16: 2,3,5-Trimethylnaphthalene





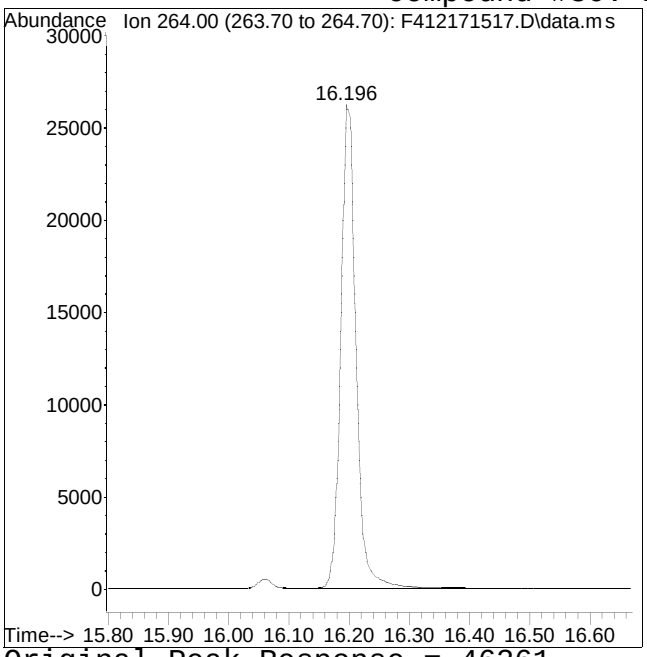
Original Peak Response = 1451 Manual Peak Response = 1350 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

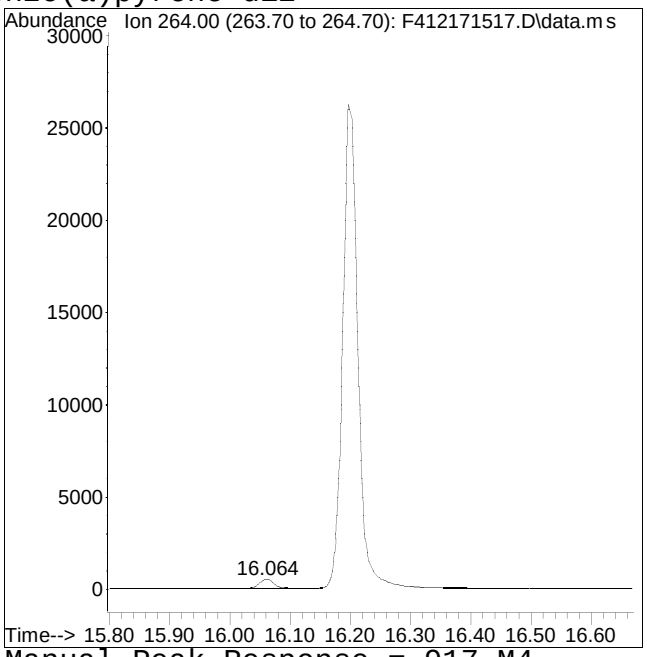
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412171517.D
Date Inj'd : 12/17/2015 6:33 pm
Sample : I412171502

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/18/2015 11:50 am

Compound #30: Benzo(a)pyrene-d12



Original Peak Response = 46261



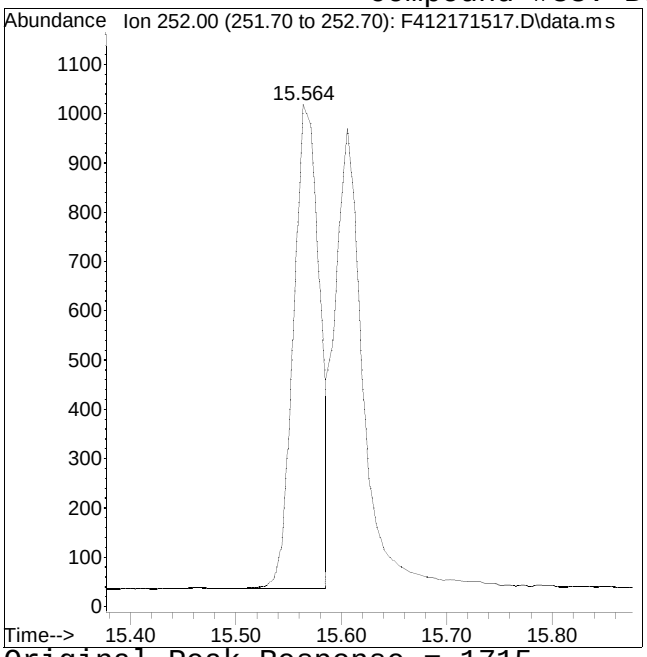
Manual Peak Response = 917 M4

M4 = Poor automated baseline construction.

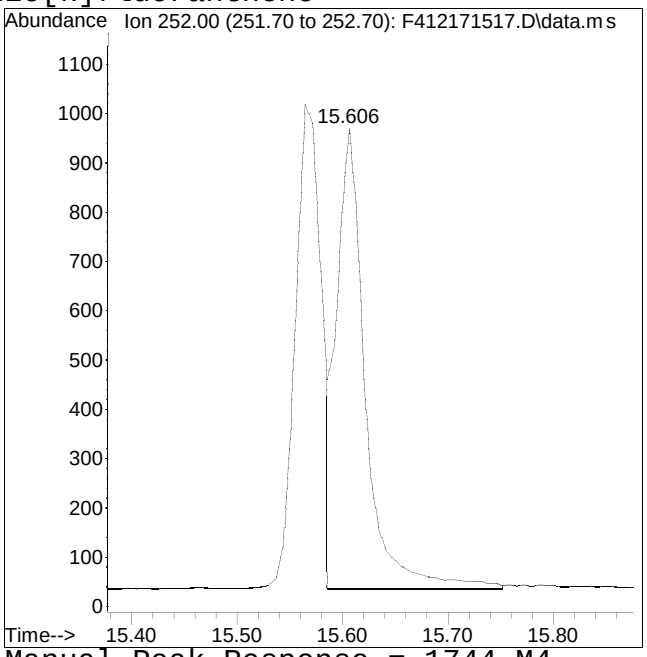
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412171517.D Operator : BNA4:SF
Date Inj'd : 12/17/2015 6:33 pm Instrument : BNA4
Sample : I412171502 Quant Date : 12/18/2015 11:50 am

Compound #33: Benzo[k]fluoranthene



Original Peak Response = 1715



Manual Peak Response = 1744 M4

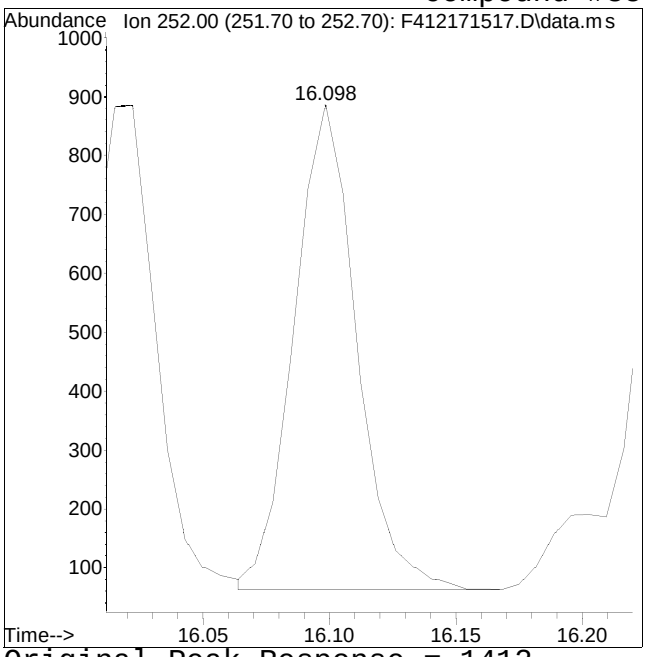
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

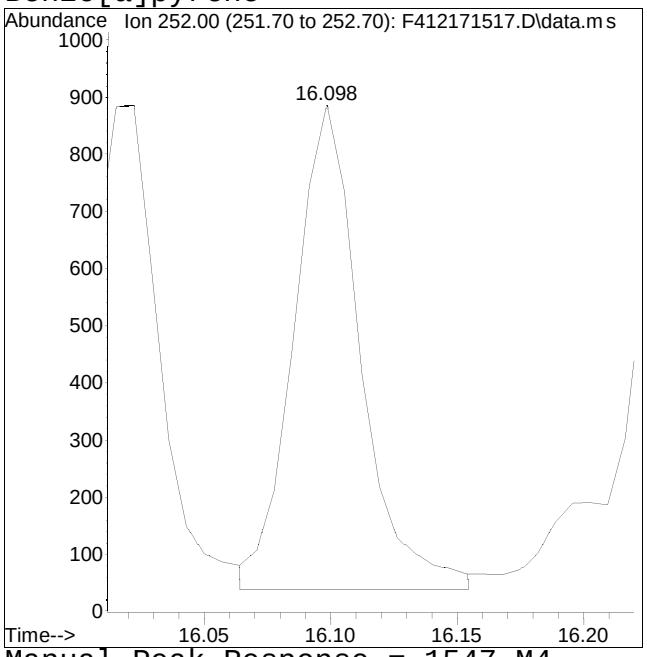
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412171517.D
Date Inj'd : 12/17/2015 6:33 pm
Sample : I412171502

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/18/2015 11:50 am

Compound #35: Benzo[a]pyrene



Original Peak Response = 1412



Manual Peak Response = 1547 M4

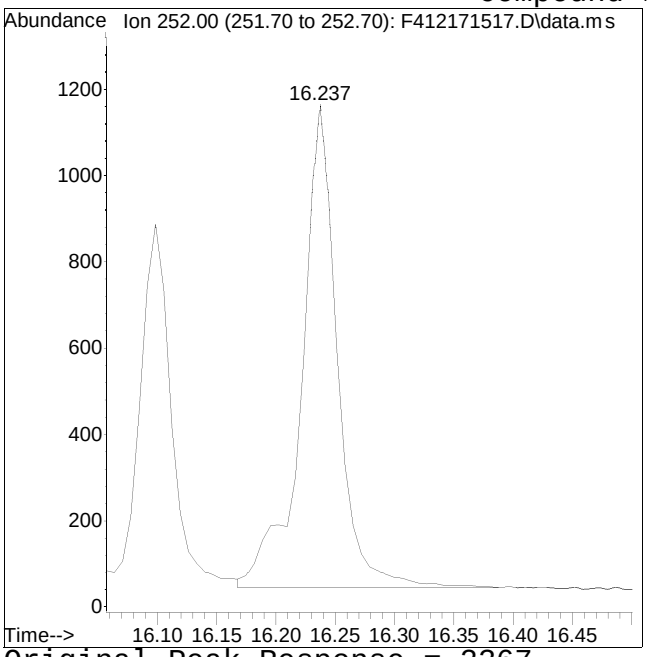
M4 = Poor automated baseline construction.

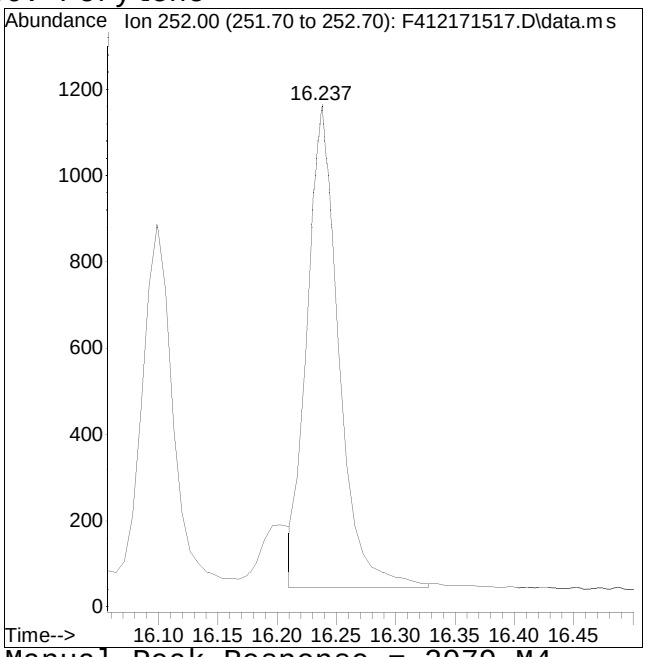
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412171517.D
Date Inj'd : 12/17/2015 6:33 pm
Sample : I412171502

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/18/2015 11:50 am

Compound #36: Perylene



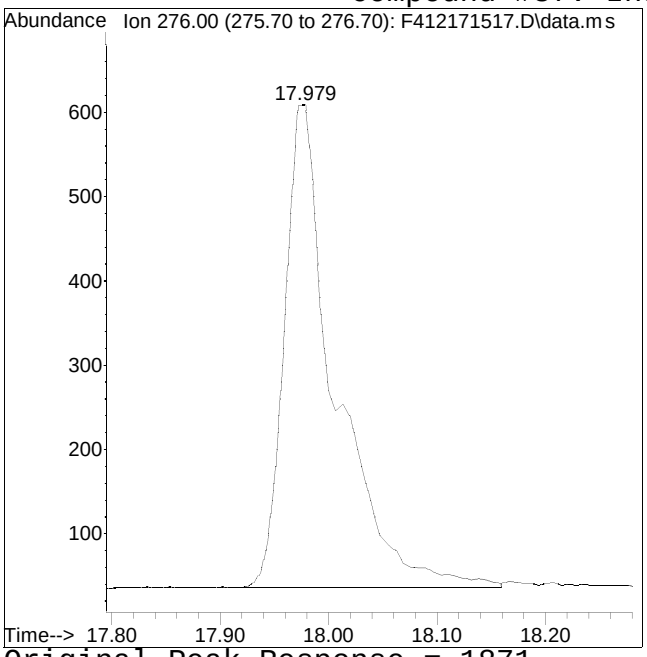


Original Peak Response = 2367 Manual Peak Response = 2079 M4
M4 = Poor automated baseline construction.

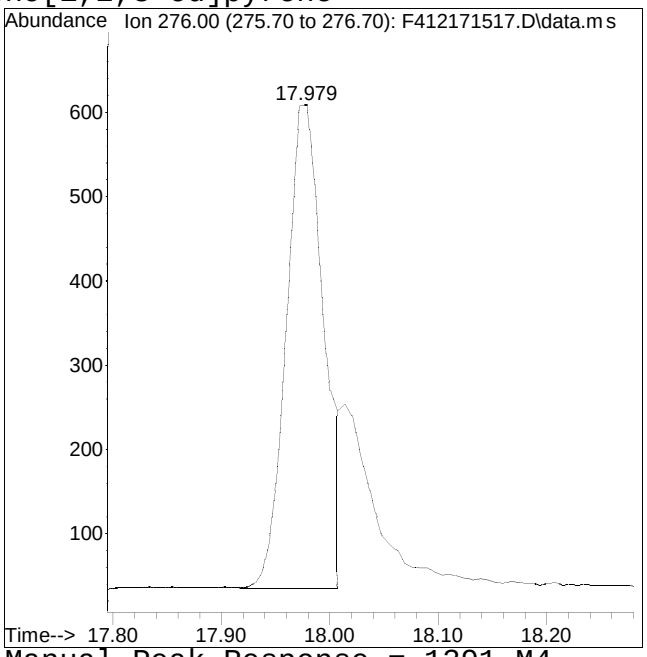
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412171517.D Operator : BNA4:SF
Date Inj'd : 12/17/2015 6:33 pm Instrument : BNA4
Sample : I412171502 Quant Date : 12/18/2015 11:50 am

Compound #37: Indeno[1,2,3-cd]pyrene



Original Peak Response = 1871



Manual Peak Response = 1391 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171518.D
Acq On : 17 Dec 2015 7:03 pm
Operator : BNA4:SF
Sample : I412171503
Misc : WG851049,MSAG94
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 11:50:21 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:50:19 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.462	136	79216	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.220	164	37339	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.655	188	72539	500.000	ng/mL	0.00
24) Chrysene-d12	13.823	240	58929	500.000	ng/mL	0.00
29) Perylene-d12	16.203	264	49431	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.138	152	8134	94.842	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 1.90%#			
18) Fluoranthene-d10	11.873	212	10919	94.170	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 18.83%#			
25) Pyrene-d10	12.130	212	10740	93.921	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 1.88%#			
30) Benzo(a)pyrene-d12	16.064	264	6131	86.770	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 17.35%#			
31) Benzo[b]fluoranthene-d12	15.530	264	7343	90.742	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 1.81%#			
Target Compounds						Qvalue
2) Naphthalene	7.484	128	15801	94.610	ng/mL	99
3) 1,4-Dichlorobenzene	6.205	146	6560	93.851	ng/mL	97
5) 2-Methylnaphthalene	8.174	142	9856	94.067	ng/mL	97
6) 1-Methylnaphthalene	8.276	142	9432	94.953	ng/mL	99
8) Dibenzothiophene	10.558	184	14327	94.771	ng/mL#	90
9) 2-Chloronaphthalene	8.654	162	10089	96.502	ng/mL	99
10) Biphenyl	8.639	154	12359	95.659	ng/mL	95
11) 2,6-Dimethylnaphthalene	8.792	156	8253	95.006	ng/mL	97
12) Acenaphthylene	9.068	152	13615	91.490	ng/mL	98
13) Acenaphthene	9.250	153	9572	94.485	ng/mL	99
14) Dibenzofuran	9.409	168	13593	95.536	ng/mL#	73
15) Fluorene	9.742	166	10368	94.999	ng/mL	98
16) 2,3,5-Trimethylnaphthalen	9.624	170	7225M4	94.536	ng/mL	
19) Phenanthrene	10.676	178	15205	95.264	ng/mL	99
20) Anthracene	10.724	178	14088	95.954	ng/mL	98
21) Carbazole	10.890	167	13418	94.981	ng/mL	100
22) 1-Methylphenanthrene	11.298	192	10099	96.037	ng/mL	100
23) Fluoranthene	11.894	202	15485	97.625	ng/mL	99
26) Pyrene	12.151	202	17044	96.812	ng/mL	100
27) Benz[a]anthracene	13.795	228	11258	84.093	ng/mL	98
28) Chrysene	13.858	228	13344	97.542	ng/mL	98

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171518.D
Acq On : 17 Dec 2015 7:03 pm
Operator : BNA4:SF
Sample : I412171503
Misc : WG851049,MSAG94
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 11:50:21 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:50:19 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo[b]fluoranthene	15.564	252	10663	82.445	ng/mL	98
33) Benzo[k]fluoranthene	15.606	252	10580	95.897	ng/mL	98
34) Benzo[e]pyrene	16.015	252	9774	88.329	ng/mL	98
35) Benzo[a]pyrene	16.099	252	10488M4	89.574	ng/mL	
36) Perylene	16.237	252	11671	98.087	ng/mL	98
37) Indeno[1,2,3-cd]pyrene	17.972	276	8375M4	82.475	ng/mL	
38) Dibenz[a,h]anthracene	18.020	278	9305	87.593	ng/mL	98
39) Benzo[g,h,i]perylene	18.444	276	9850	88.522	ng/mL	98

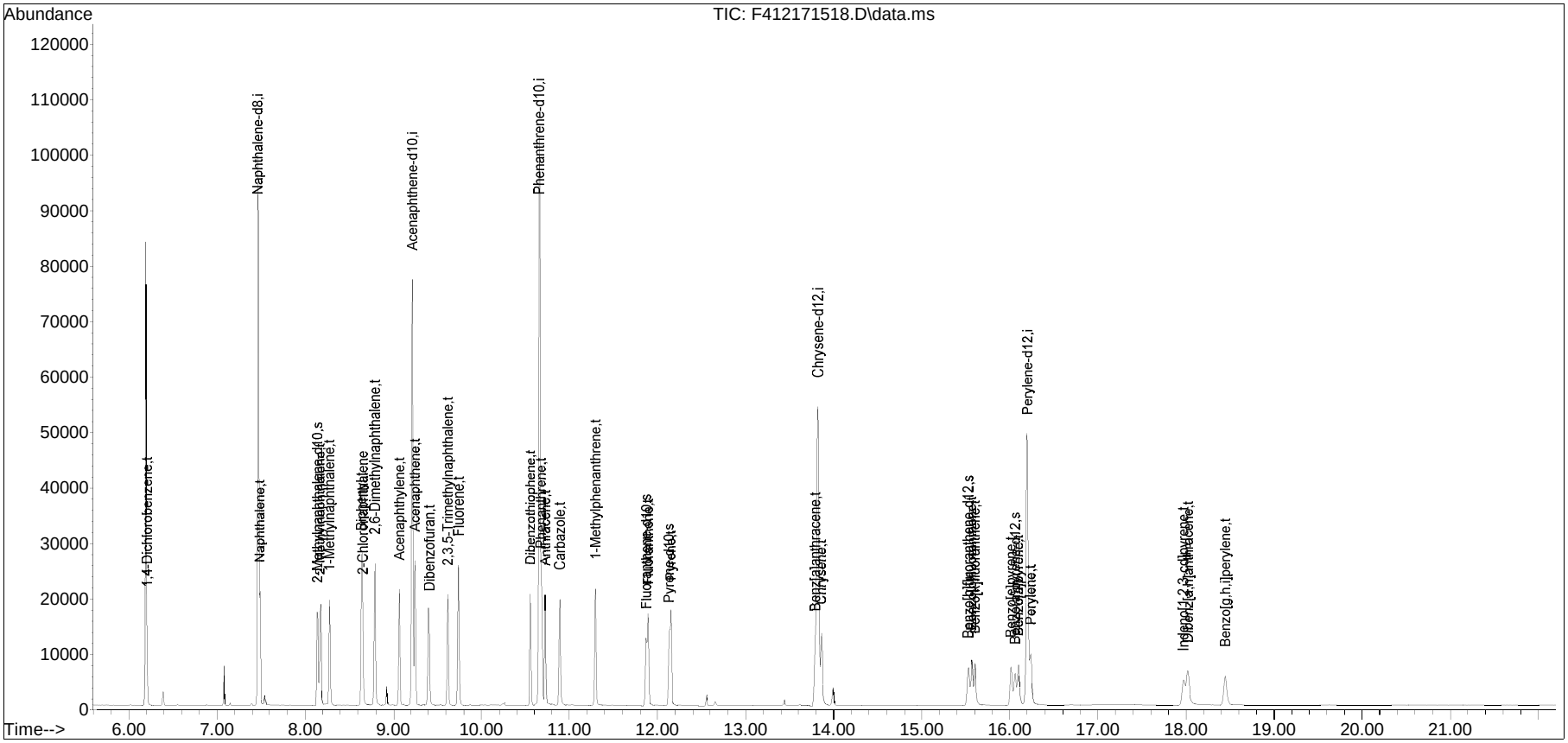
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171518.D
Acq On : 17 Dec 2015 7:03 pm
Operator : BNA4:SF
Sample : I412171503
Misc : WG851049,MSAG94
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 11:50:21 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:50:19 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

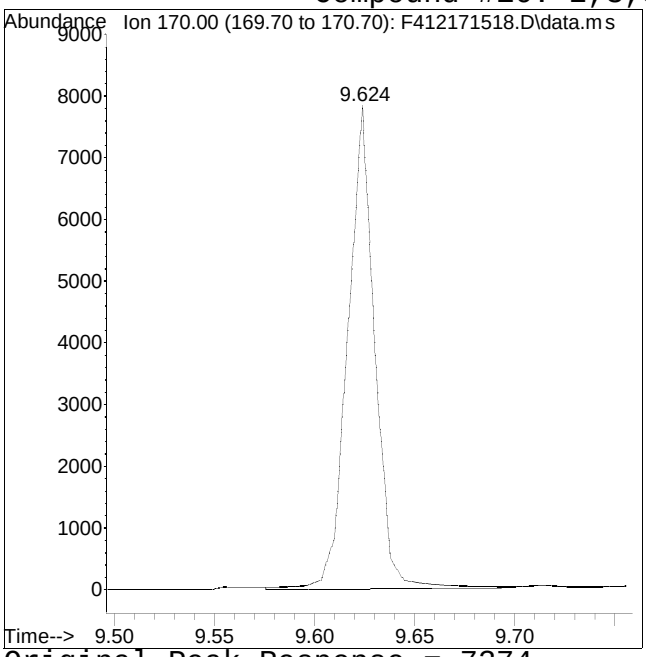


Manual Integration/Negative Proof Report

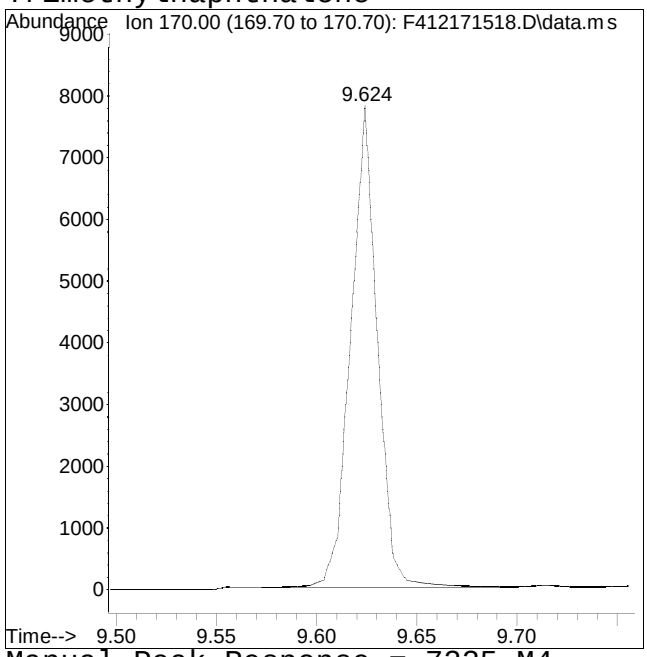
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412171518.D
Date Inj'd : 12/17/2015 7:03 pm
Sample : I412171503

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/18/2015 11:50 am

Compound #16: 2,3,5-Trimethylnaphthalene



Original Peak Response = 7374



Manual Peak Response = 7225 M4

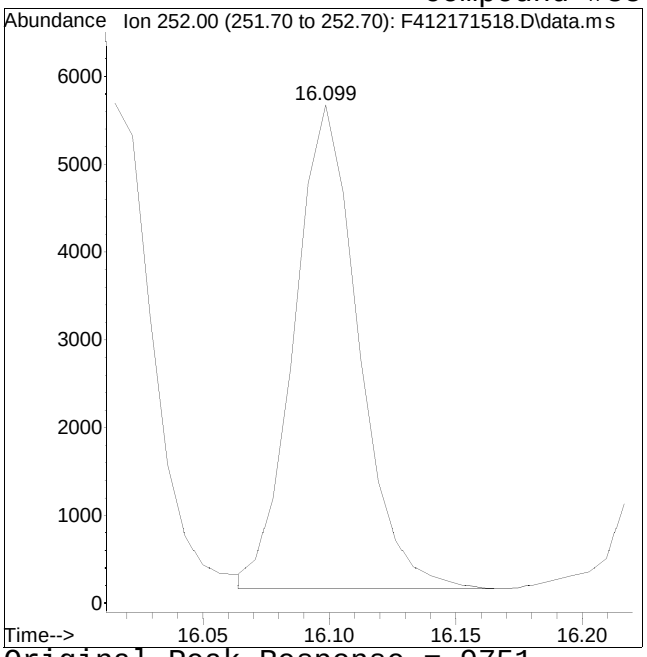
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

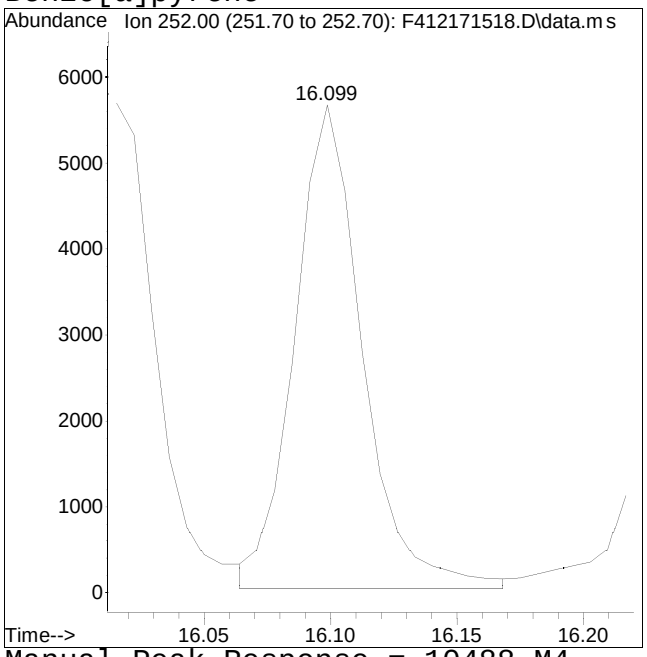
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412171518.D
Date Inj'd : 12/17/2015 7:03 pm
Sample : I412171503

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/18/2015 11:50 am

Compound #35: Benzo[a]pyrene



Original Peak Response = 9751



Manual Peak Response = 10488 M4

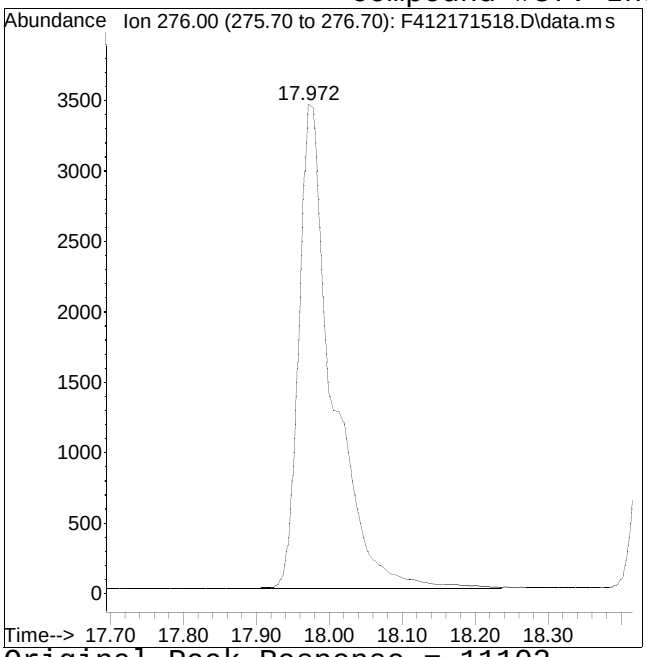
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

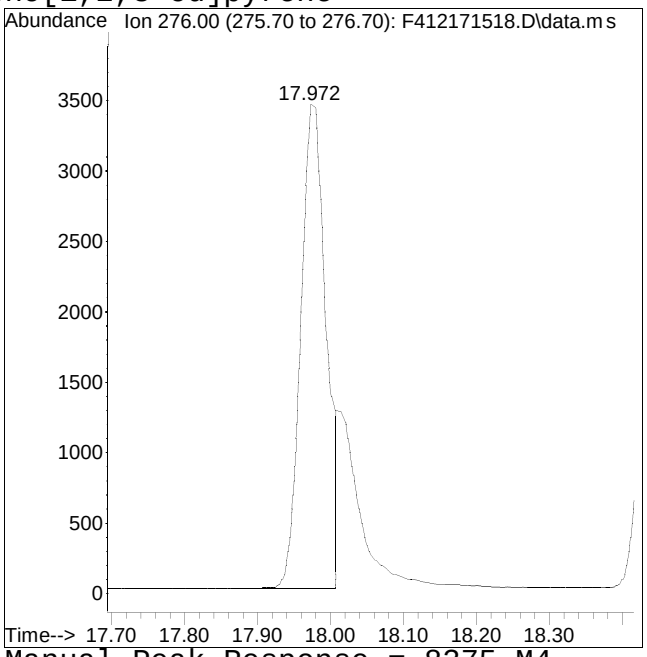
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412171518.D
Date Inj'd : 12/17/2015 7:03 pm
Sample : I412171503

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/18/2015 11:50 am

Compound #37: Indeno[1,2,3-cd]pyrene



Original Peak Response = 11102



Manual Peak Response = 8375 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171519.D
Acq On : 17 Dec 2015 7:34 pm
Operator : BNA4:SF
Sample : I412171504
Misc : WG851049,MSAG93
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 11:50:24 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:50:22 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.462	136	77945	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.221	164	36719	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.655	188	72640	500.000	ng/mL	0.00
24) Chrysene-d12	13.823	240	57962	500.000	ng/mL	0.00
29) Perylene-d12	16.203	264	49172	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.138	152	17175	203.526	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 4.07%#			
18) Fluoranthene-d10	11.873	212	23918	205.993	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 41.20%			
25) Pyrene-d10	12.130	212	23560	209.469	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 4.19%#			
30) Benzo(a)pyrene-d12	16.064	264	14104	192.678	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 38.54%			
31) Benzo[b]fluoranthene-d12	15.530	264	16517	205.187	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 4.10%#			
Target Compounds						Qvalue
2) Naphthalene	7.484	128	32484	197.672	ng/mL	100
3) 1,4-Dichlorobenzene	6.205	146	13556	197.101	ng/mL	98
5) 2-Methylnaphthalene	8.167	142	20824	201.987	ng/mL	97
6) 1-Methylnaphthalene	8.276	142	19812	202.702	ng/mL	99
8) Dibenzothiophene	10.558	184	30553	205.517	ng/mL	93
9) 2-Chloronaphthalene	8.654	162	21092	205.153	ng/mL	100
10) Biphenyl	8.639	154	25725	202.475	ng/mL	95
11) 2,6-Dimethylnaphthalene	8.792	156	17559	205.546	ng/mL	98
12) Acenaphthylene	9.068	152	29995	204.963	ng/mL	99
13) Acenaphthene	9.250	153	20166	202.420	ng/mL	98
14) Dibenzofuran	9.402	168	28417	203.095	ng/mL#	77
15) Fluorene	9.742	166	22134	206.232	ng/mL	98
16) 2,3,5-Trimethylnaphthalen	9.624	170	15419M4	205.157	ng/mL	
19) Phenanthrene	10.683	178	31804	198.984	ng/mL	99
20) Anthracene	10.724	178	30884	210.059	ng/mL	99
21) Carbazole	10.890	167	29553	208.905	ng/mL	95
22) 1-Methylphenanthrene	11.298	192	21624	205.349	ng/mL	100
23) Fluoranthene	11.894	202	33476	210.755	ng/mL	99
26) Pyrene	12.151	202	36755	212.256	ng/mL	100
27) Benz[a]anthracene	13.795	228	25101	185.019	ng/mL	98
28) Chrysene	13.858	228	28188	209.486	ng/mL	98

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171519.D
Acq On : 17 Dec 2015 7:34 pm
Operator : BNA4:SF
Sample : I412171504
Misc : WG851049,MSAG93
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 11:50:24 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:50:22 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo[b]fluoranthene	15.571	252	23583	174.842	ng/mL	98
33) Benzo[k]fluoranthene	15.606	252	23689	212.595	ng/mL	98
34) Benzo[e]pyrene	16.022	252	21777	191.824	ng/mL	98
35) Benzo[a]pyrene	16.099	252	23665M4	195.913	ng/mL	
36) Perylene	16.237	252	24619	207.995	ng/mL	98
37) Indeno[1,2,3-cd]pyrene	17.979	276	18967M4	179.984	ng/mL	
38) Dibenz[a,h]anthracene	18.020	278	20784	190.442	ng/mL	97
39) Benzo[g,h,i]perylene	18.444	276	21994	192.833	ng/mL	95

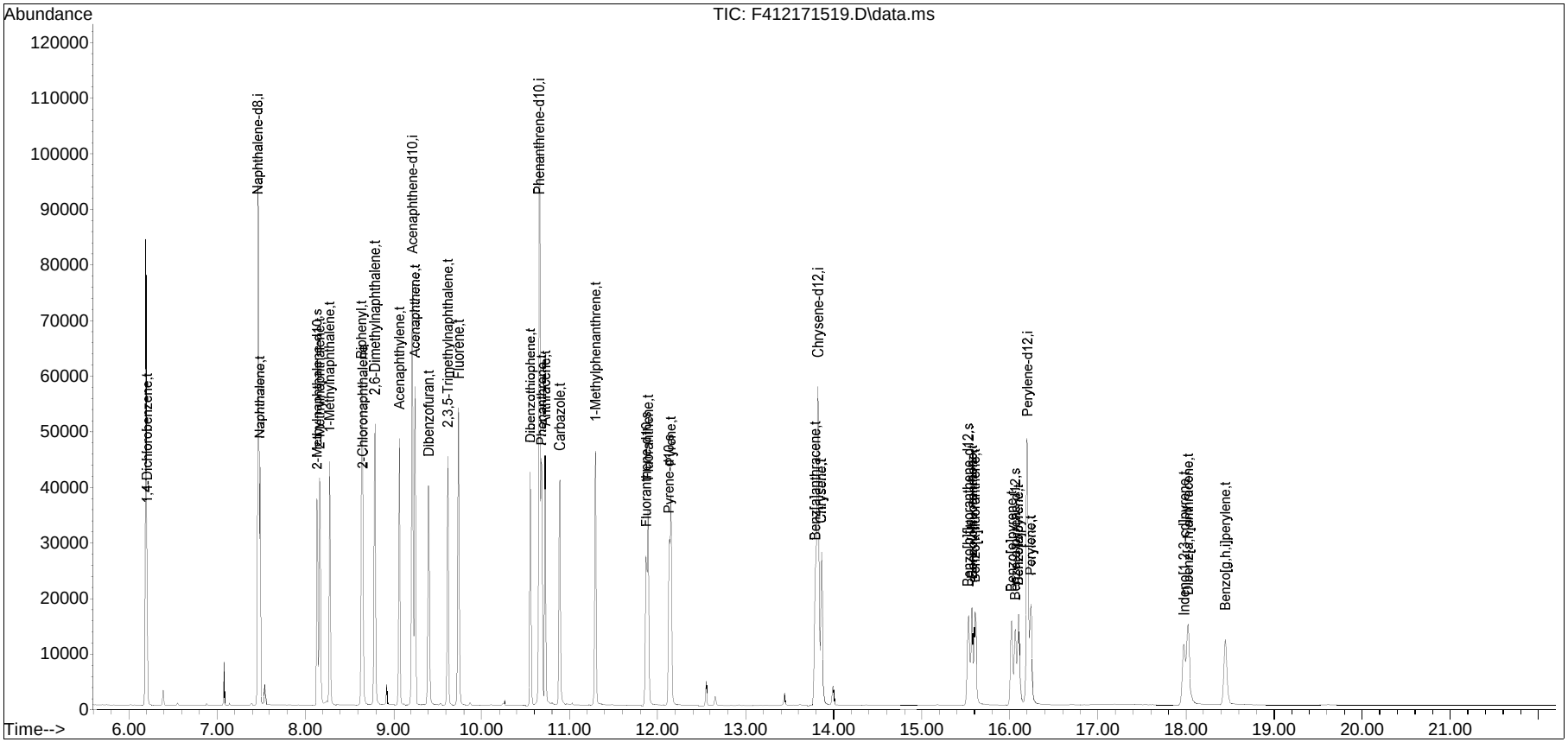
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171519.D
Acq On : 17 Dec 2015 7:34 pm
Operator : BNA4:SF
Sample : I412171504
Misc : WG851049,MSAG93
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 11:50:24 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:50:22 2015
Response via : Initial Calibration

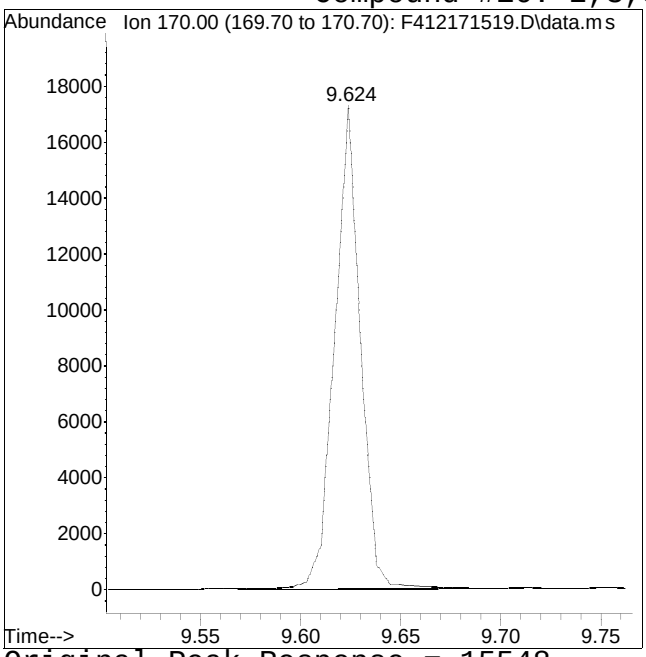
Sub List : Default - All compounds listed

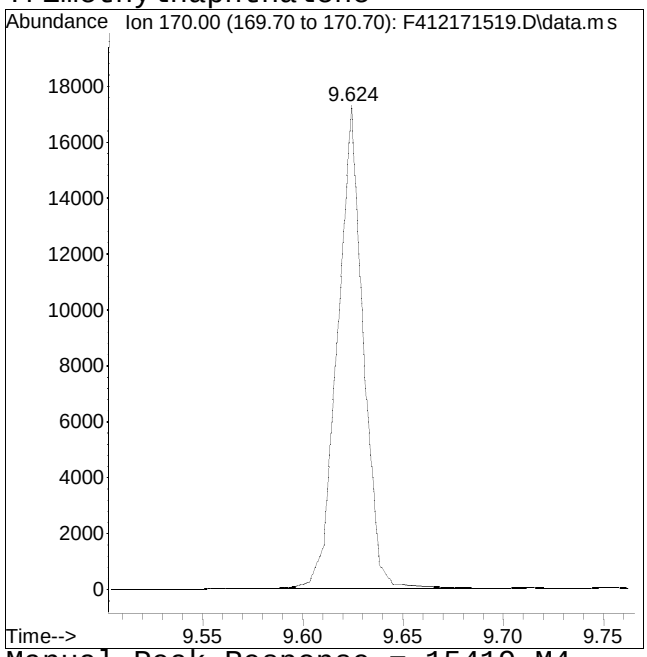


Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\QMethod : PAH1217BNA4.M
Data File : F412171519.D Operator : BNA4:SF
Date Inj'd : 12/17/2015 7:34 pm Instrument : BNA4
Sample : I412171504 Quant Date : 12/18/2015 11:50 am

Compound #16: 2,3,5-Trimethylnaphthalene



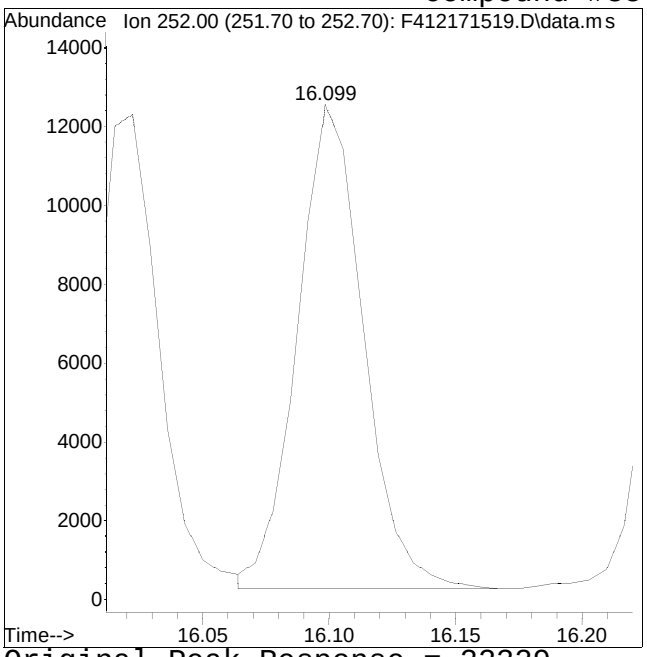


Original Peak Response = 15548 Manual Peak Response = 15419 M4
M4 = Poor automated baseline construction.

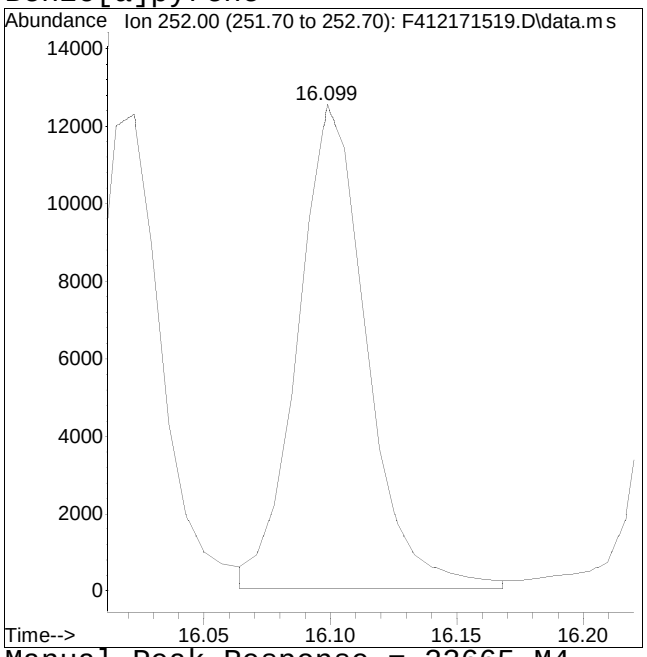
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412171519.D Operator : BNA4:SF
Date Inj'd : 12/17/2015 7:34 pm Instrument : BNA4
Sample : I412171504 Quant Date : 12/18/2015 11:50 am

Compound #35: Benzo[a]pyrene



Original Peak Response = 22329



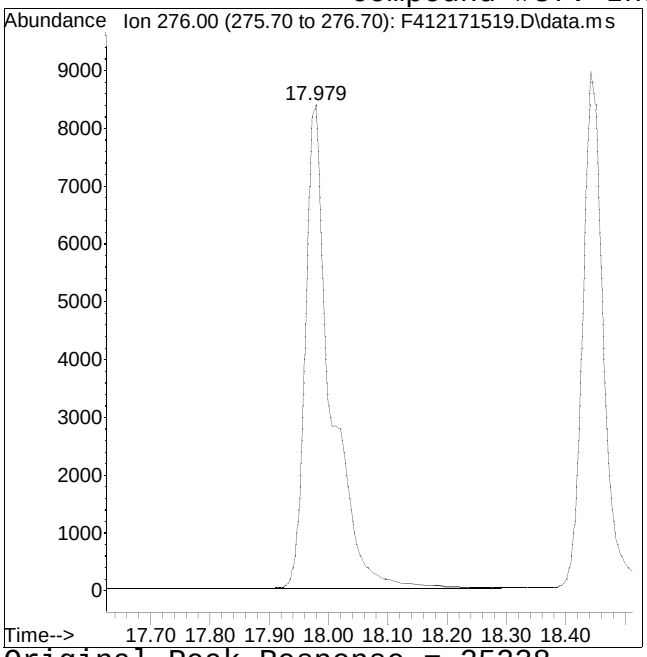
Manual Peak Response = 23665 M4

M4 = Poor automated baseline construction.

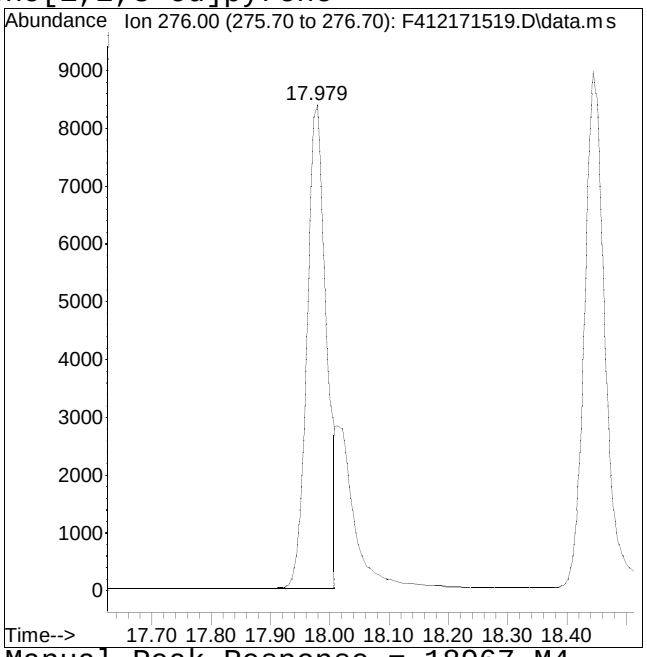
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412171519.D Operator : BNA4:SF
Date Inj'd : 12/17/2015 7:34 pm Instrument : BNA4
Sample : I412171504 Quant Date : 12/18/2015 11:50 am

Compound #37: Indeno[1,2,3-cd]pyrene



Original Peak Response = 25238



Manual Peak Response = 18967 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171520.D
Acq On : 17 Dec 2015 8:05 pm
Operator : BNA4:SF
Sample : I412171505
Misc : WG851049,MSAG97
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 18 11:50:27 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:50:25 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.462	136	81363	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.220	164	38212	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.662	188	74027	500.000	ng/mL	0.00
24) Chrysene-d12	13.823	240	60162	500.000	ng/mL	0.00
29) Perylene-d12	16.203	264	50045	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.138	152	45499	516.519	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 10.33%#			
18) Fluoranthene-d10	11.873	212	65576	554.188	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 110.84%			
25) Pyrene-d10	12.130	212	62461	535.025	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 10.70%#			
30) Benzo(a)pyrene-d12	16.064	264	39157	512.755	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 102.55%			
31) Benzo[b]fluoranthene-d12	15.530	264	45699	557.805	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 11.16%#			
Target Compounds						Qvalue
2) Naphthalene	7.484	128	83596	487.329	ng/mL	100
3) 1,4-Dichlorobenzene	6.205	146	33811	470.953	ng/mL	98
5) 2-Methylnaphthalene	8.167	142	54315	504.708	ng/mL	97
6) 1-Methylnaphthalene	8.276	142	51126	501.110	ng/mL	99
8) Dibenzothiophene	10.558	184	81327	525.677	ng/mL	94
9) 2-Chloronaphthalene	8.654	162	55237	516.274	ng/mL	99
10) Biphenyl	8.639	154	67039	507.030	ng/mL	96
11) 2,6-Dimethylnaphthalene	8.792	156	46553	523.659	ng/mL	99
12) Acenaphthylene	9.068	152	82113	539.174	ng/mL	99
13) Acenaphthene	9.249	153	51508	496.821	ng/mL	100
14) Dibenzofuran	9.409	168	73270	503.198	ng/mL#	69
15) Fluorene	9.742	166	58172	520.837	ng/mL	98
16) 2,3,5-Trimethylnaphthalen	9.624	170	41437M4	529.796	ng/mL	
19) Phenanthrene	10.683	178	81030	497.471	ng/mL	99
20) Anthracene	10.724	178	78597M4	524.565	ng/mL	
21) Carbazole	10.890	167	78382	543.686	ng/mL	95
22) 1-Methylphenanthrene	11.298	192	58853	548.418	ng/mL	98
23) Fluoranthene	11.894	202	88999M4	549.814	ng/mL	
26) Pyrene	12.151	202	95575	531.751	ng/mL	100
27) Benz[a]anthracene	13.795	228	71437	499.601	ng/mL	100
28) Chrysene	13.857	228	70524	504.951	ng/mL	100

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171520.D
Acq On : 17 Dec 2015 8:05 pm
Operator : BNA4:SF
Sample : I412171505
Misc : WG851049,MSAG97
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 18 11:50:27 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:50:25 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo[b]fluoranthene	15.571	252	72083	511.241	ng/mL	100
33) Benzo[k]fluoranthene	15.606	252	57316	501.822	ng/mL	100
34) Benzo[e]pyrene	16.022	252	59518	506.949	ng/mL	99
35) Benzo[a]pyrene	16.098	252	62672M4	500.606	ng/mL	
36) Perylene	16.244	252	62722	520.667	ng/mL	99
37) Indeno[1,2,3-cd]pyrene	17.979	276	53985M4	492.393	ng/mL	
38) Dibenz[a,h]anthracene	18.020	278	56955	504.291	ng/mL	97
39) Benzo[g,h,i]perylene	18.444	276	59029	500.792	ng/mL	96

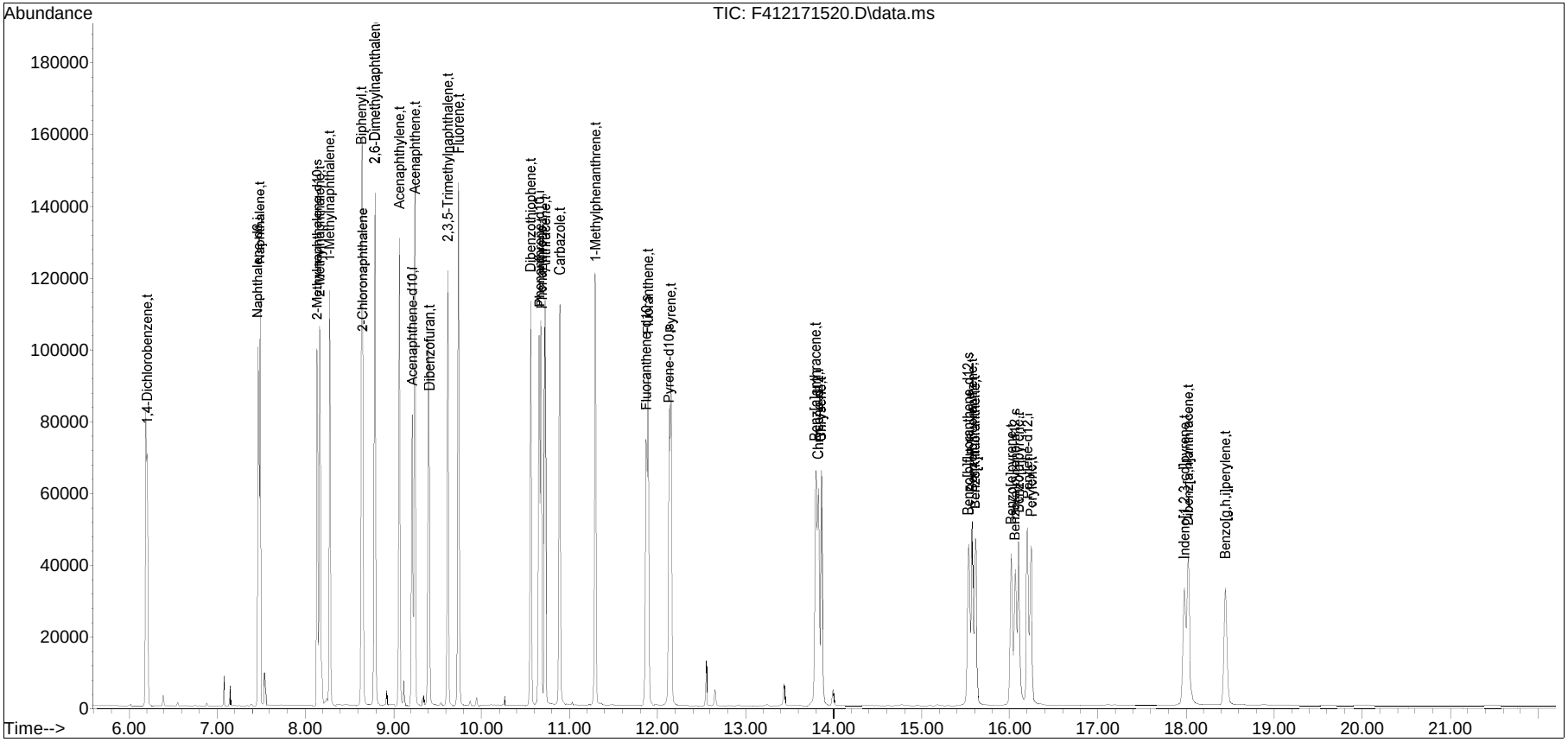
(#) = qualifier out of range (m) = manual integration (+) = signals summed

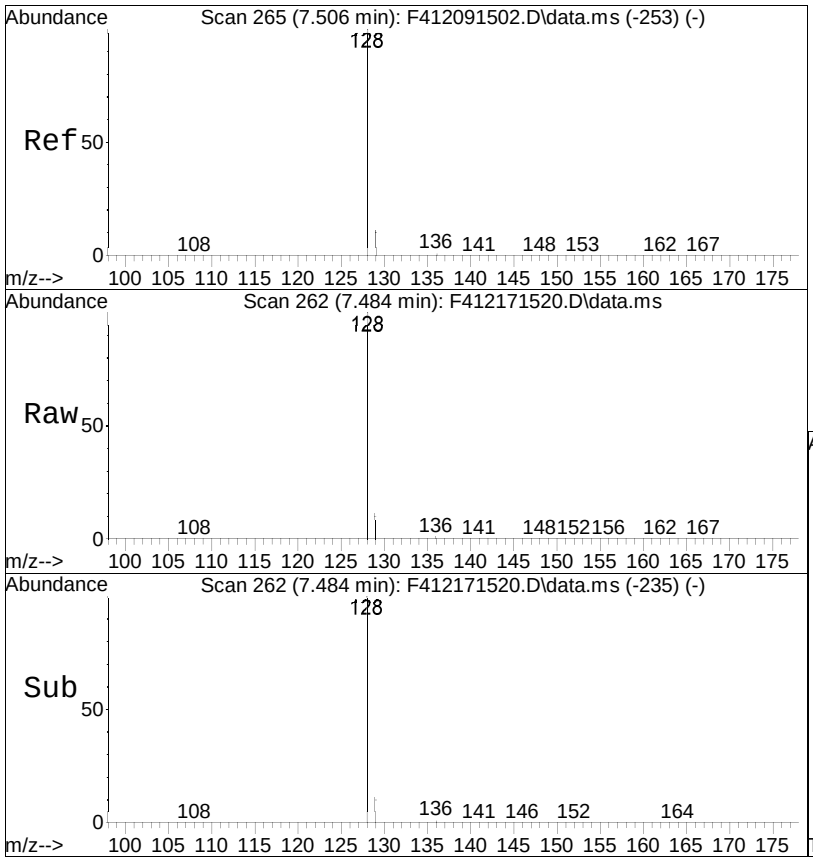
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171520.D
Acq On : 17 Dec 2015 8:05 pm
Operator : BNA4:SF
Sample : I412171505
Misc : WG851049,MSAG97
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 18 11:50:27 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:50:25 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

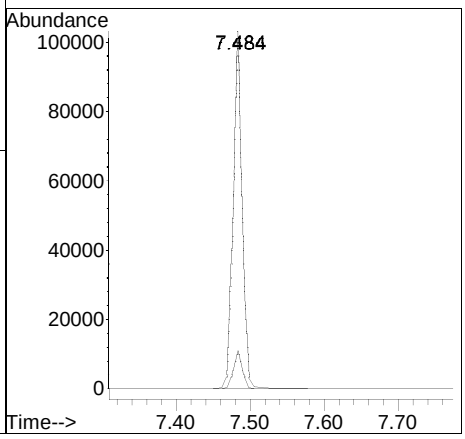


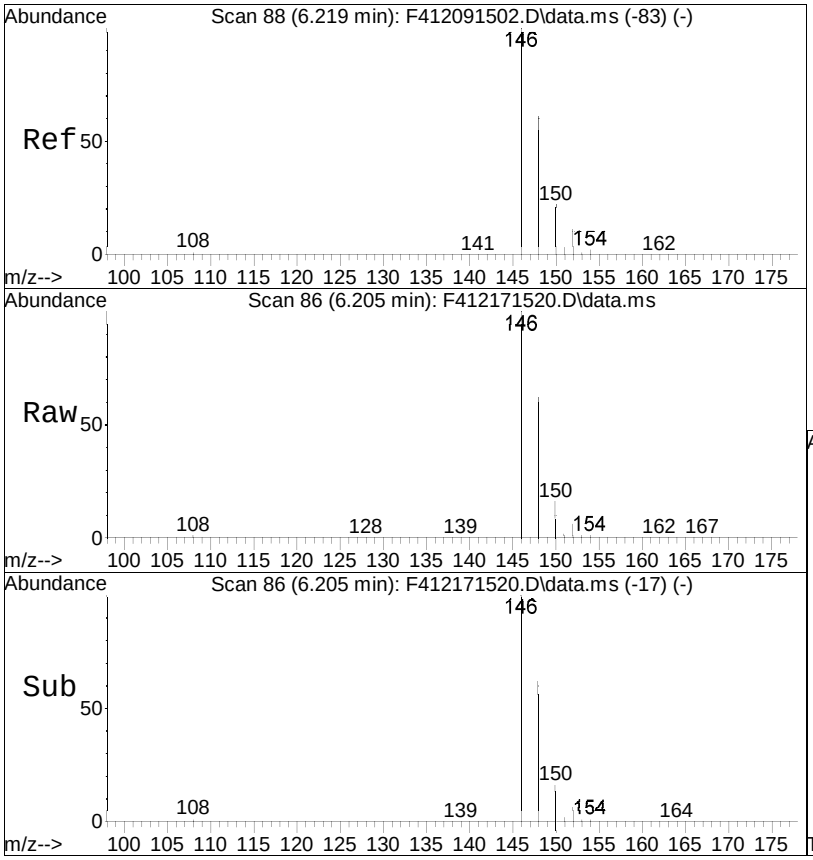


#2
Naphthalene
Concen: 487.33 ng/mL
RT: 7.484 min Scan# 262
Delta R.T. -0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:128 Resp: 83596

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1

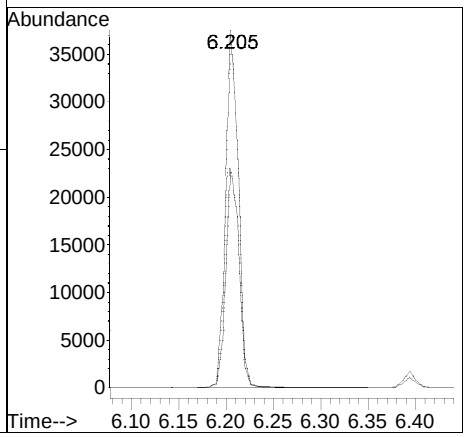


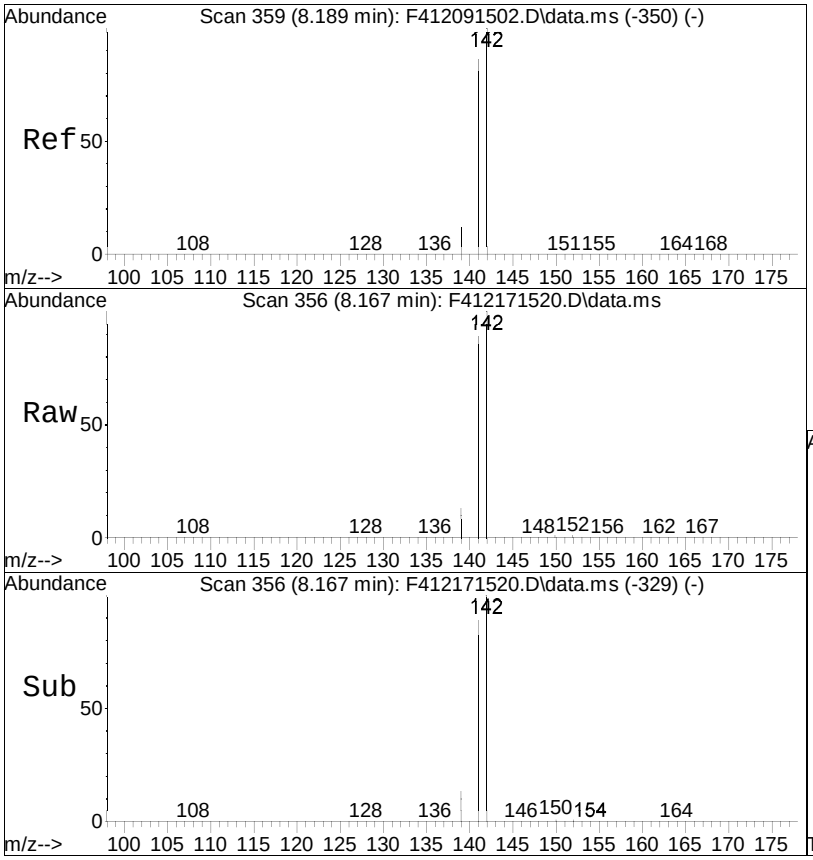


#3
1,4-Dichlorobenzene
Concen: 470.95 ng/mL
RT: 6.205 min Scan# 86
Delta R.T. -0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:146 Resp: 33811

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.2	75.2

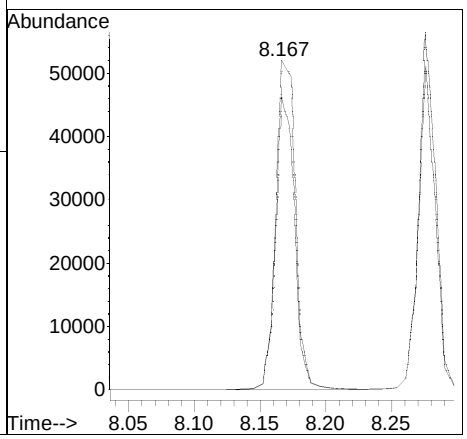


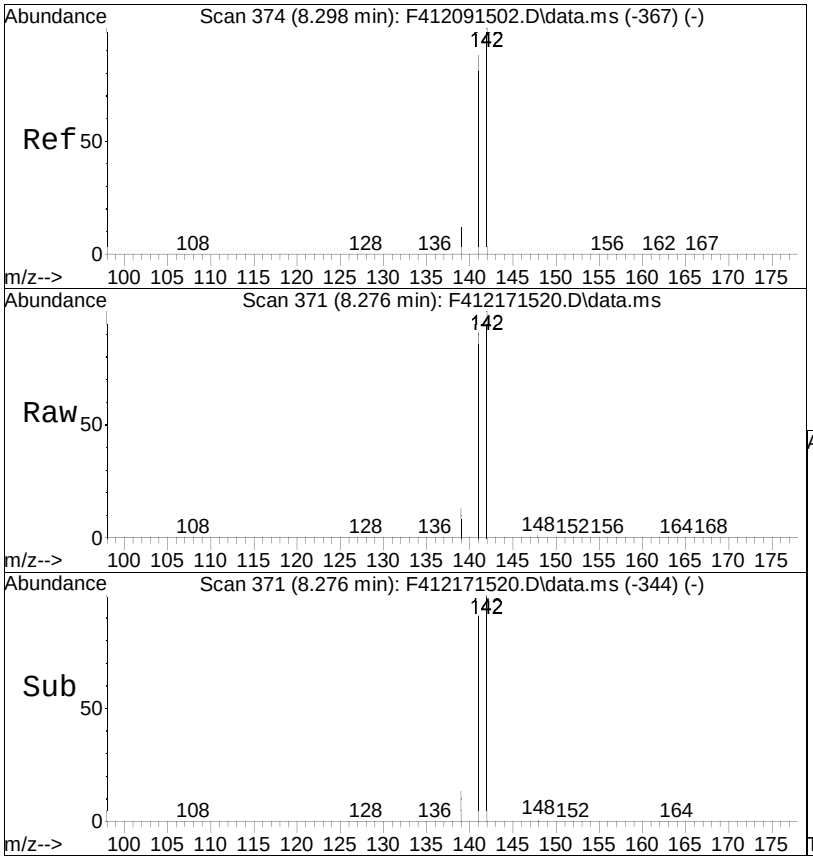


#5
2-Methylnaphthalene
Concen: 504.71 ng/mL
RT: 8.167 min Scan# 356
Delta R.T. -0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:142 Resp: 54315

Ion	Ratio	Lower	Upper
142	100		
141	88.8	68.8	103.2

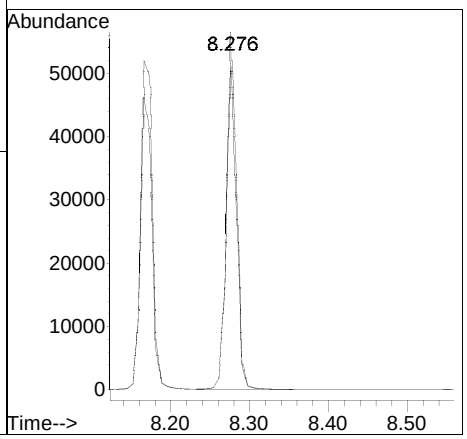


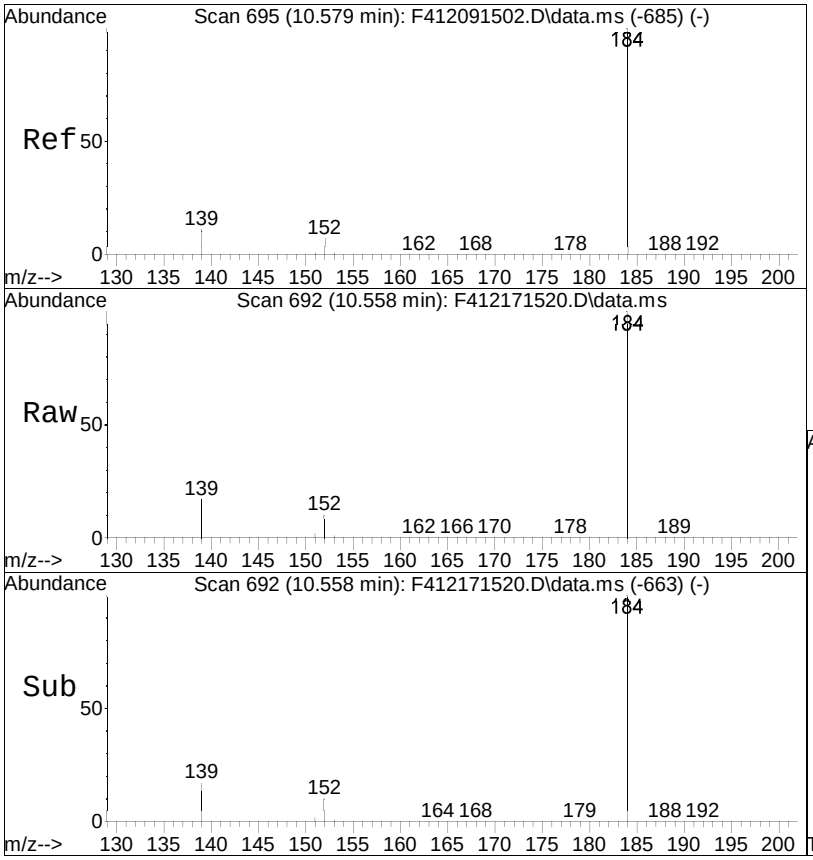


#6
1-Methylnaphthalene
Concen: 501.11 ng/mL
RT: 8.276 min Scan# 371
Delta R.T. -0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:142 Resp: 51126

Ion	Ratio	Lower	Upper
142	100		
141	90.6	71.6	107.4

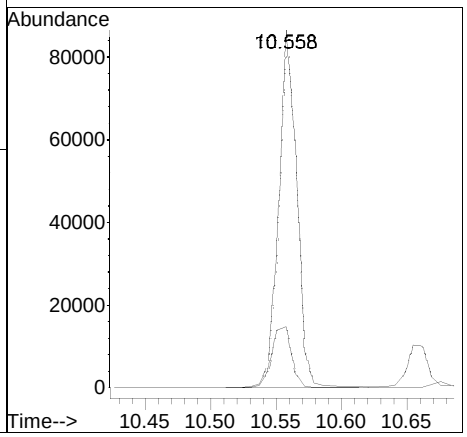


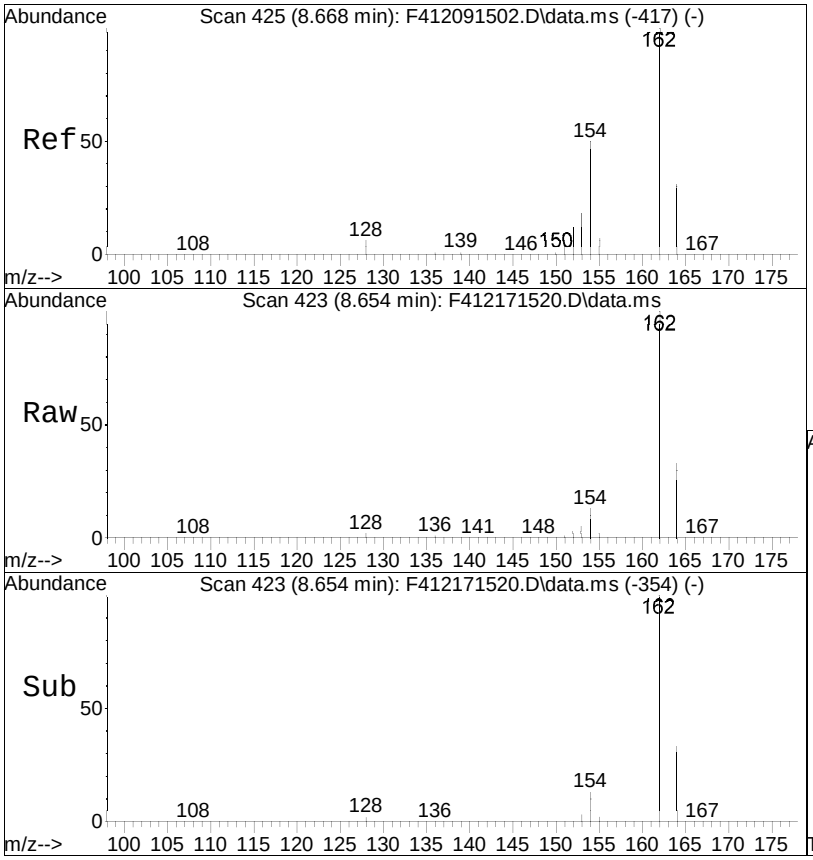


#8
Dibenzothiophene
Concen: 525.68 ng/mL
RT: 10.558 min Scan# 692
Delta R.T. -0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:184 Resp: 81327

Ion	Ratio	Lower	Upper
184	100		
139	17.1	15.9	23.9

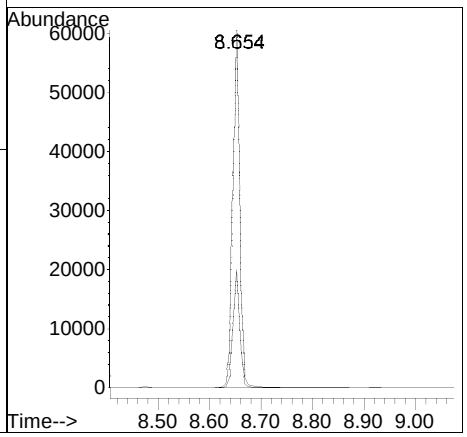


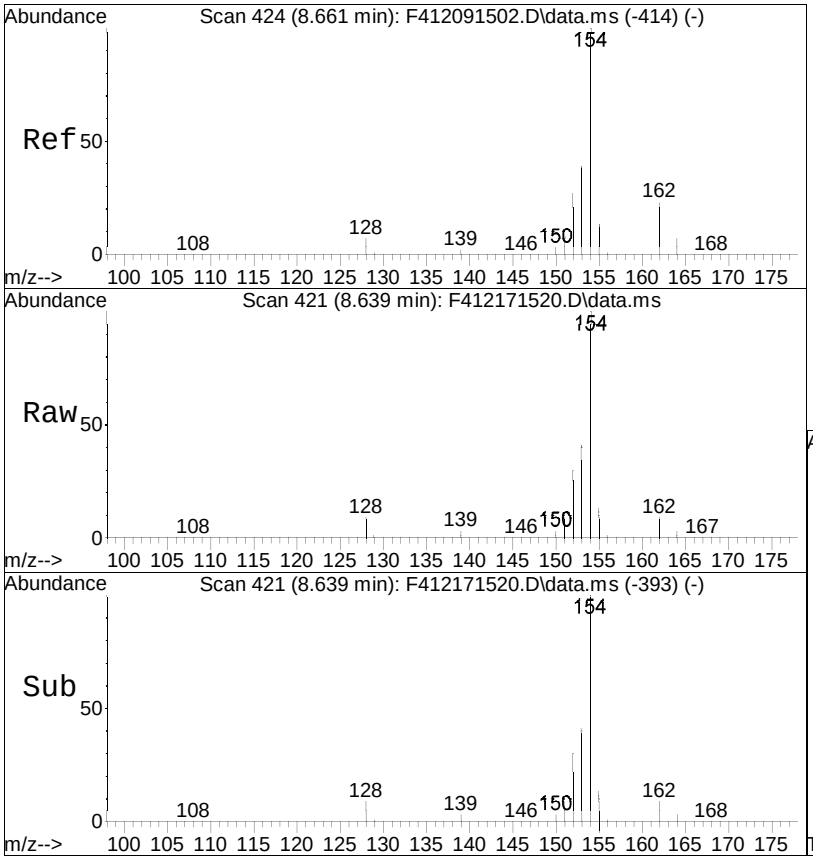


#9
2-Chloronaphthalene
Concen: 516.27 ng/mL
RT: 8.654 min Scan# 423
Delta R.T. -0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:162 Resp: 55237

Ion	Ratio	Lower	Upper
162	100		
164	32.1	26.1	39.1

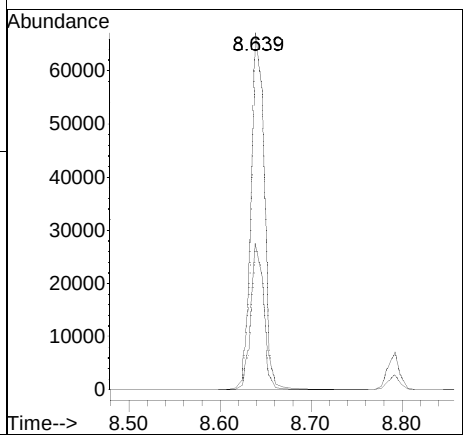


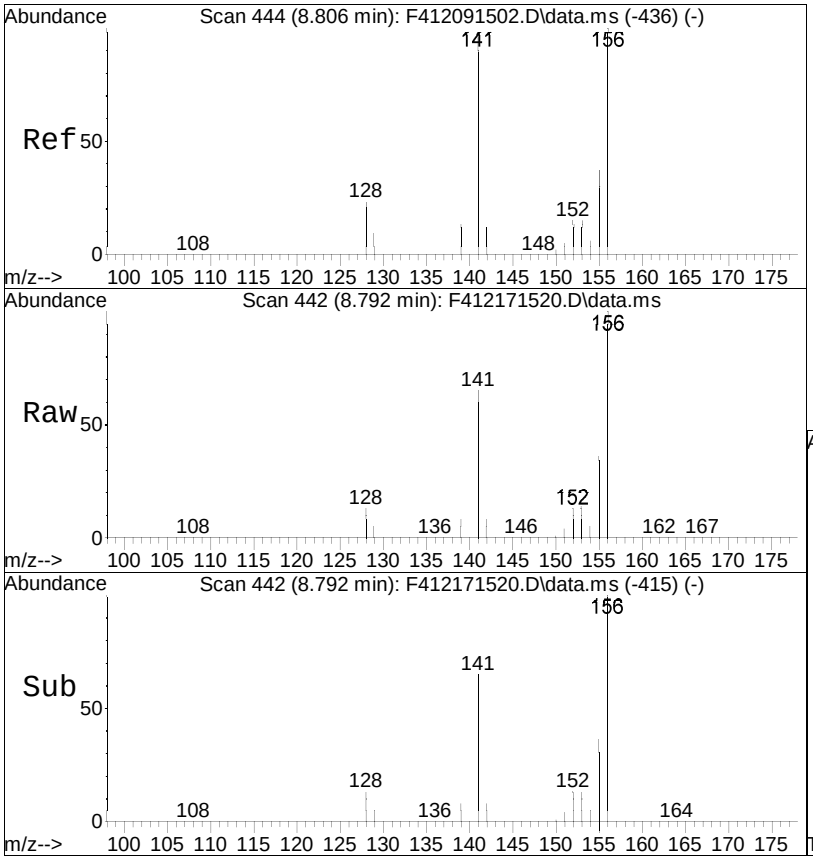


#10
Biphenyl
Concen: 507.03 ng/mL
RT: 8.639 min Scan# 421
Delta R.T. 0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:154 Resp: 67039

Ion	Ratio	Lower	Upper
154	100		
153	41.0	30.9	46.3

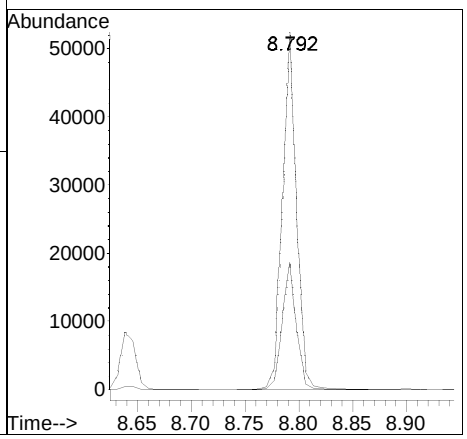


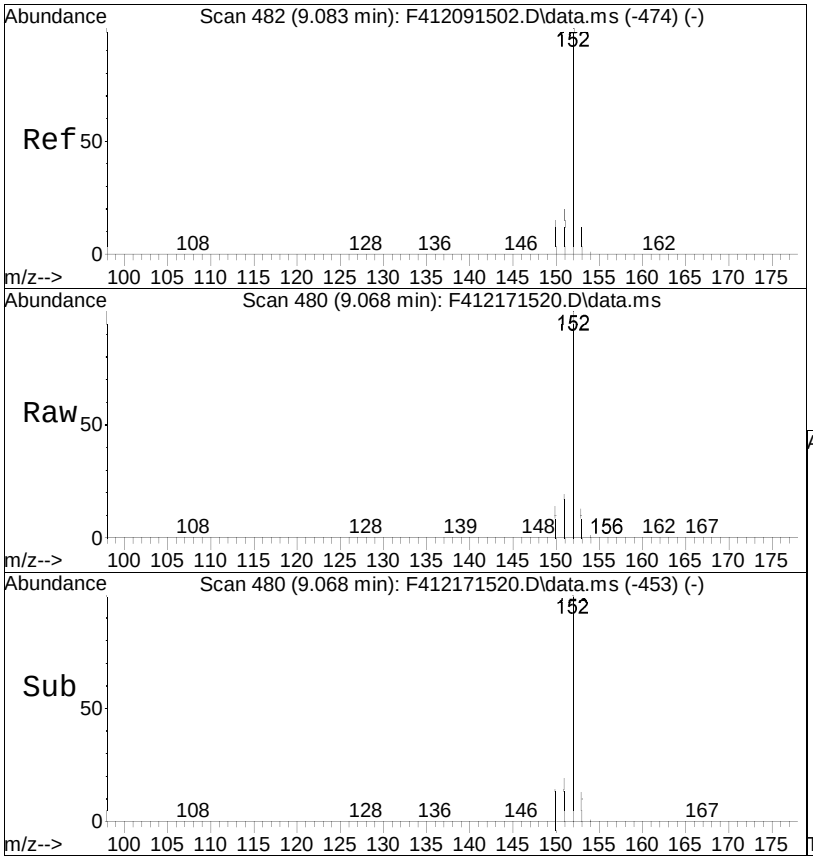


#11
2,6-Dimethylnaphthalene
Concen: 523.66 ng/mL
RT: 8.792 min Scan# 442
Delta R.T. -0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:156 Resp: 46553

Ion	Ratio	Lower	Upper
156	100		
155	35.7	27.9	41.9

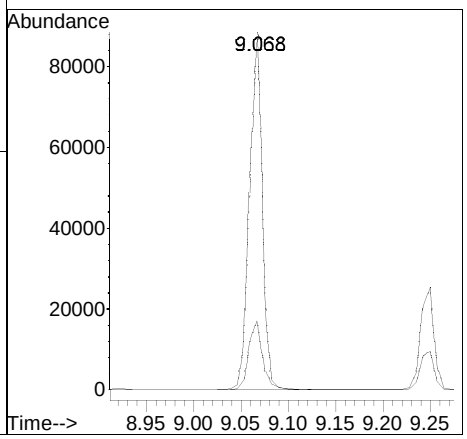


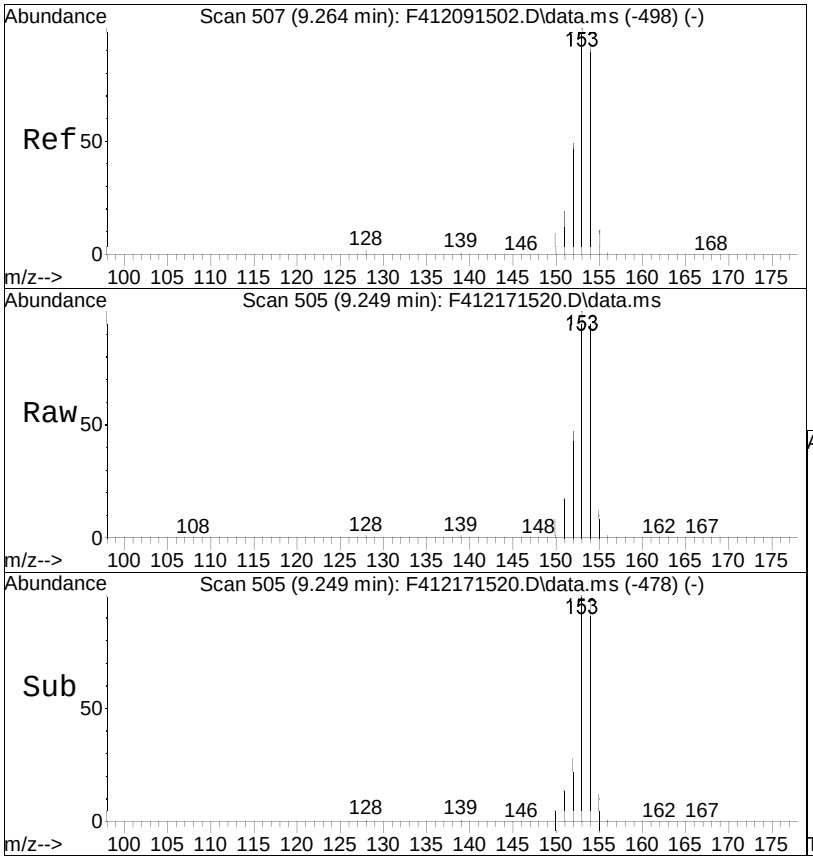


#12
Acenaphthylene
Concen: 539.17 ng/mL
RT: 9.068 min Scan# 480
Delta R.T. -0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:152 Resp: 82113

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.4	23.0

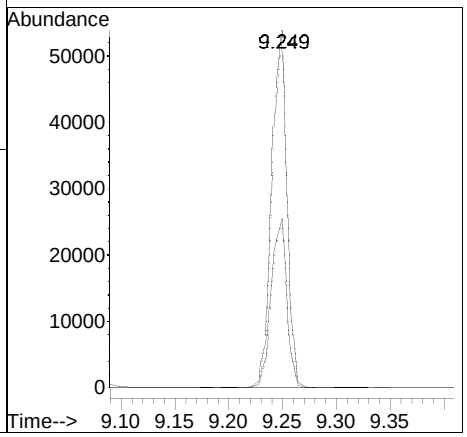


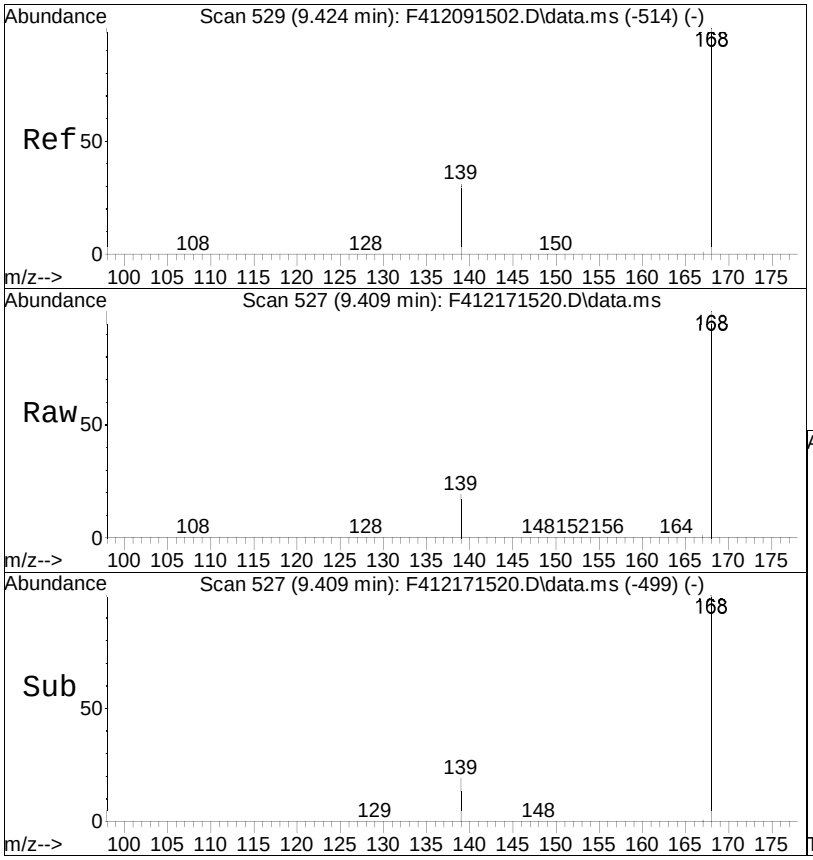


#13
Acenaphthene
Concen: 496.82 ng/mL
RT: 9.249 min Scan# 505
Delta R.T. 0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:153 Resp: 51508

Ion	Ratio	Lower	Upper
153	100		
152	47.3	37.8	56.8

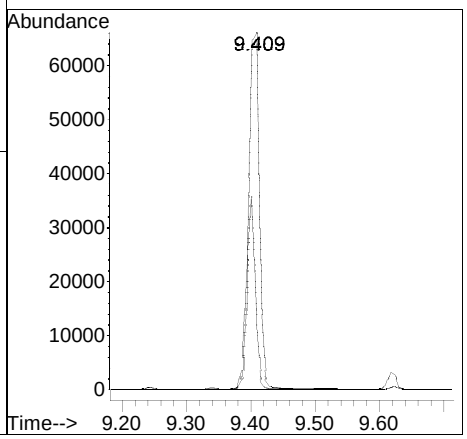


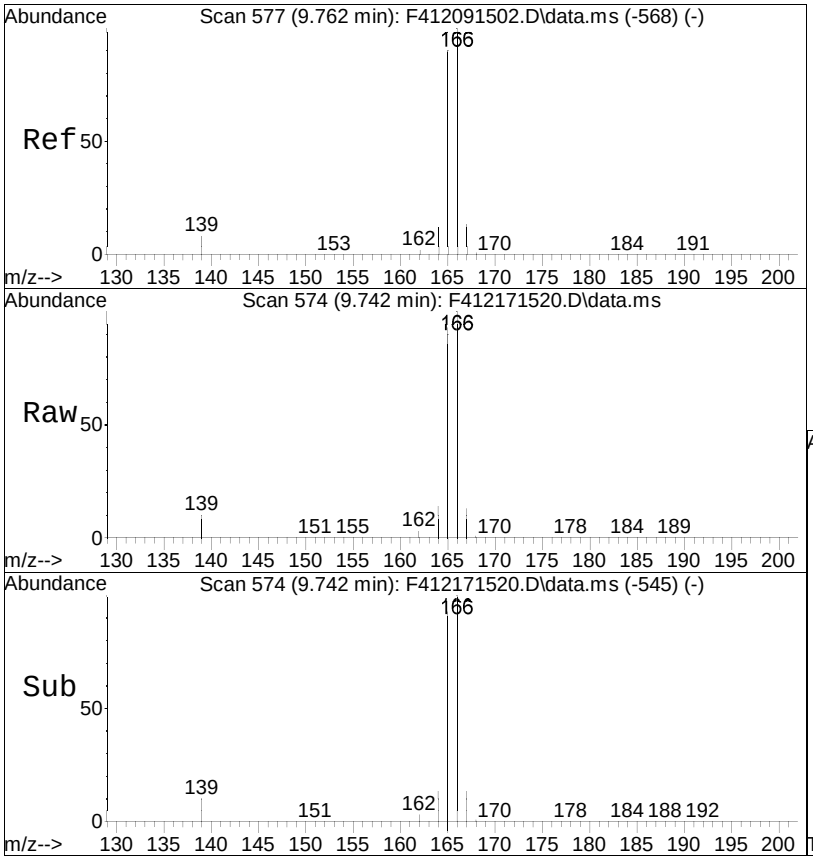


#14
Dibenzofuran
Concen: 503.20 ng/mL
RT: 9.409 min Scan# 527
Delta R.T. 0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:168 Resp: 73270

Ion	Ratio	Lower	Upper
168	100		
139	19.1	30.2	45.2#

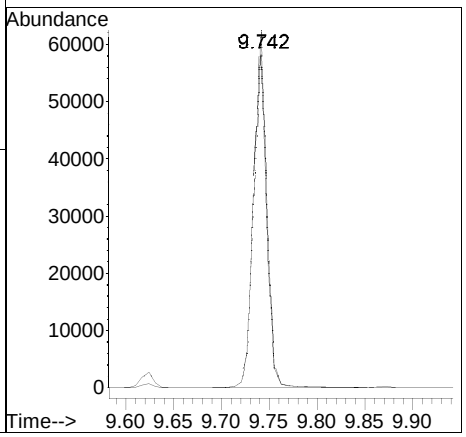


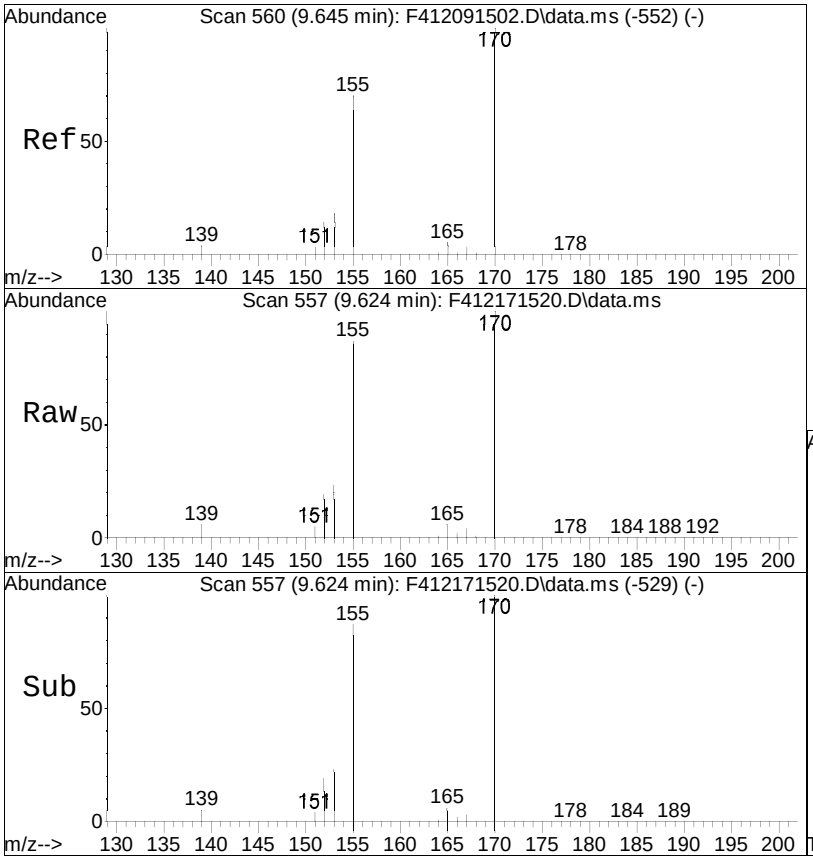


#15
Fluorene
Concen: 520.84 ng/mL
RT: 9.742 min Scan# 574
Delta R.T. -0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:166 Resp: 58172

Ion	Ratio	Lower	Upper
166	100		
165	93.4	73.2	109.8

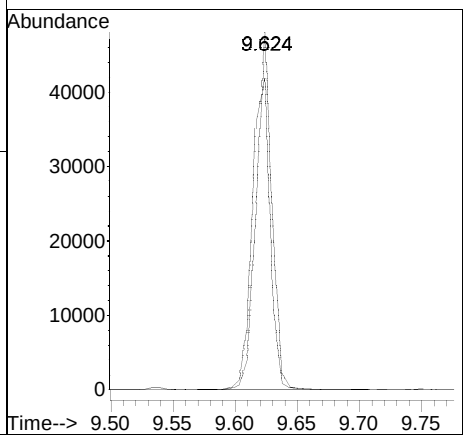


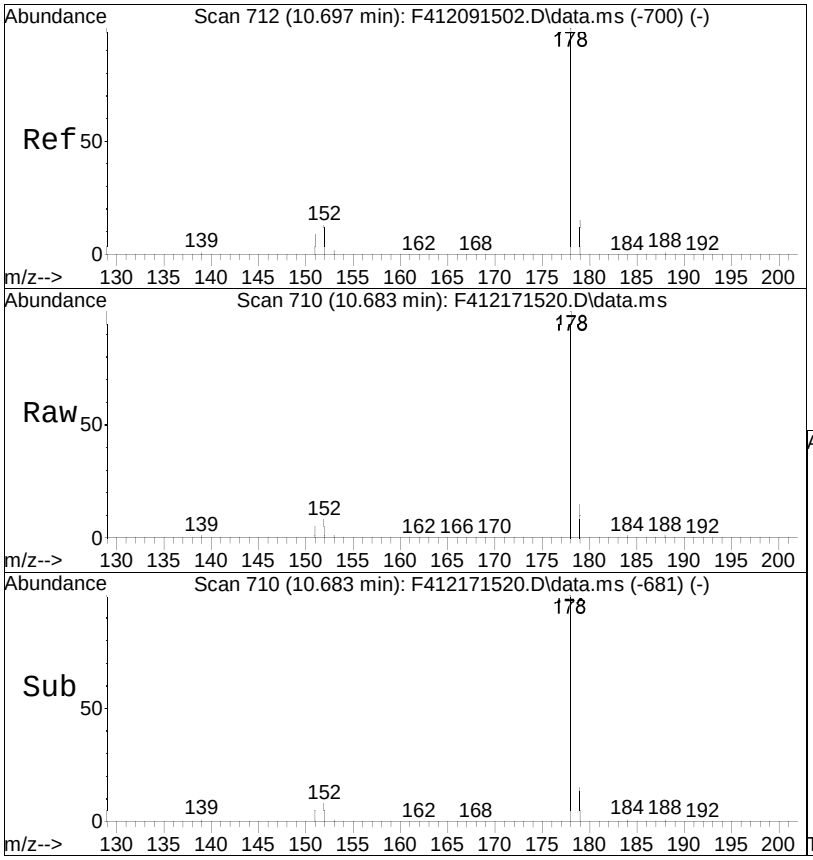


#16
2,3,5-Trimethylnaphthalene
Concen: 529.80 ng/mL M4
RT: 9.624 min Scan# 557
Delta R.T. -0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:170 Resp: 41437

Ion	Ratio	Lower	Upper
170	100		
155	87.5	71.7	107.5

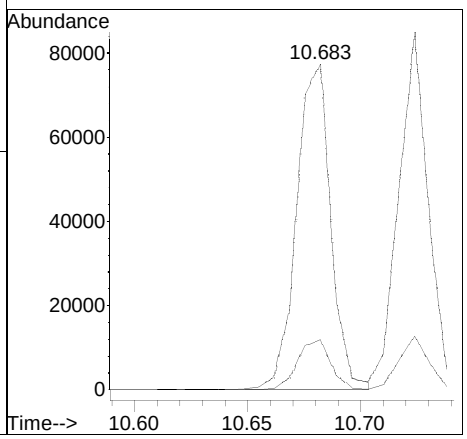


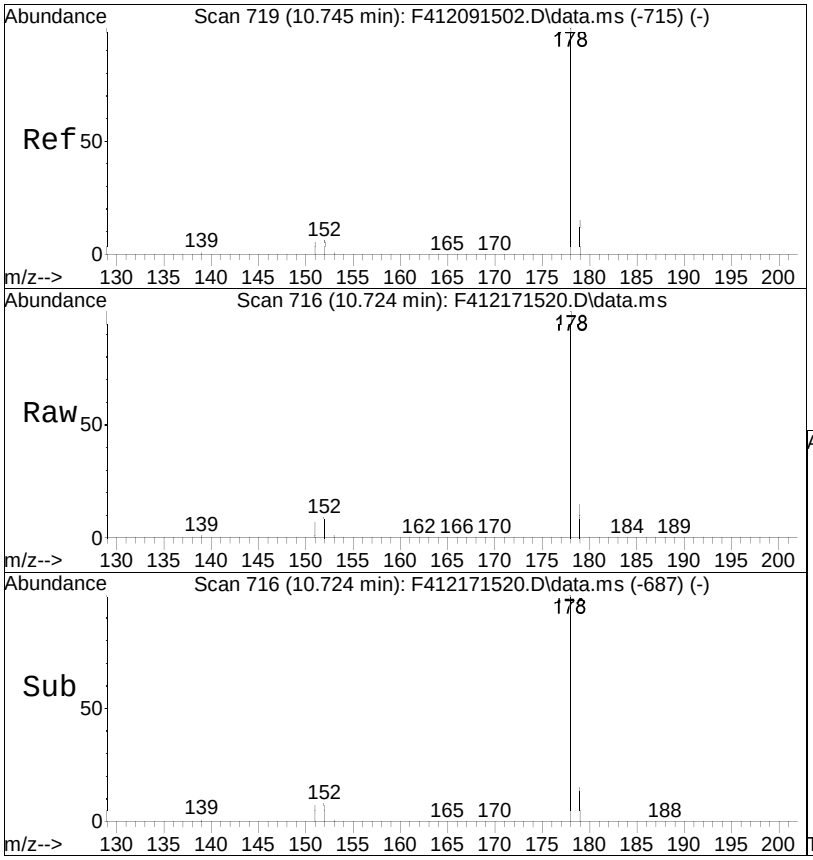


#19
Phenanthrene
Concen: 497.47 ng/mL
RT: 10.683 min Scan# 710
Delta R.T. -0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:178 Resp: 81030

Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.9	17.9

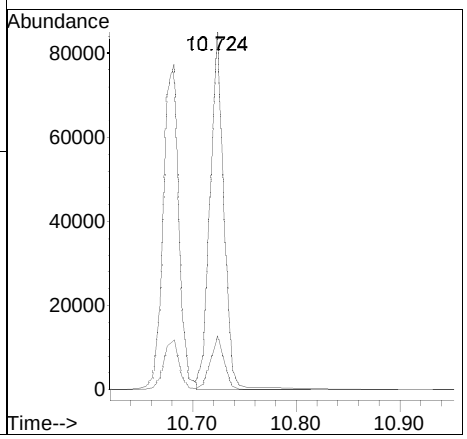


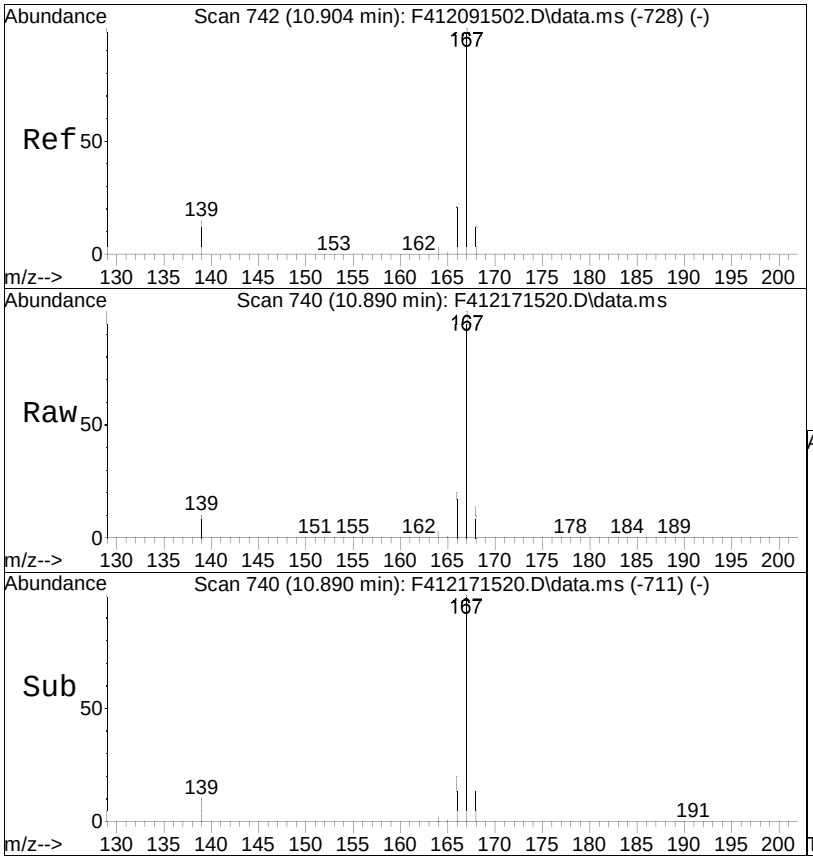


#20
Anthracene
Concen: 524.56 ng/mL M4
RT: 10.724 min Scan# 716
Delta R.T. 0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:178 Resp: 78597

Ion	Ratio	Lower	Upper
178	100		
179	15.0	11.8	17.8

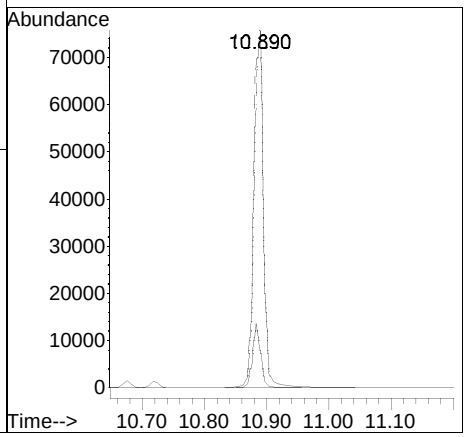


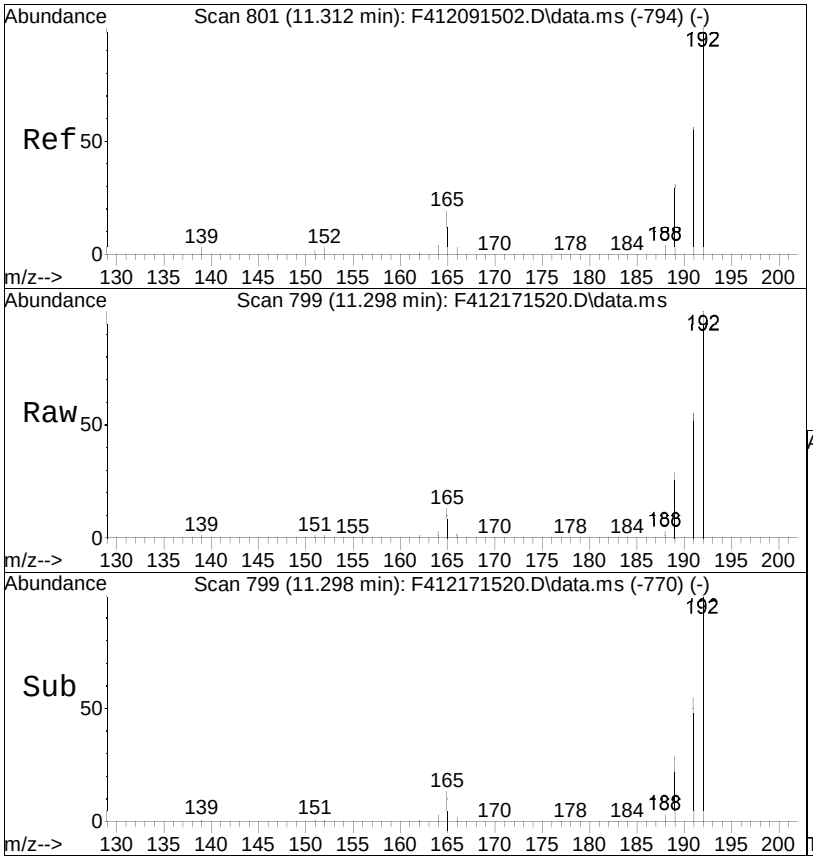


#21
Carbazole
Concen: 543.69 ng/mL
RT: 10.890 min Scan# 740
Delta R.T. 0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:167 Resp: 78382

Ion	Ratio	Lower	Upper
167	100		
139	10.3	9.7	14.5

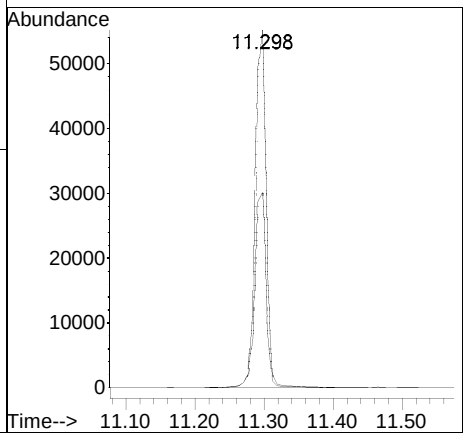


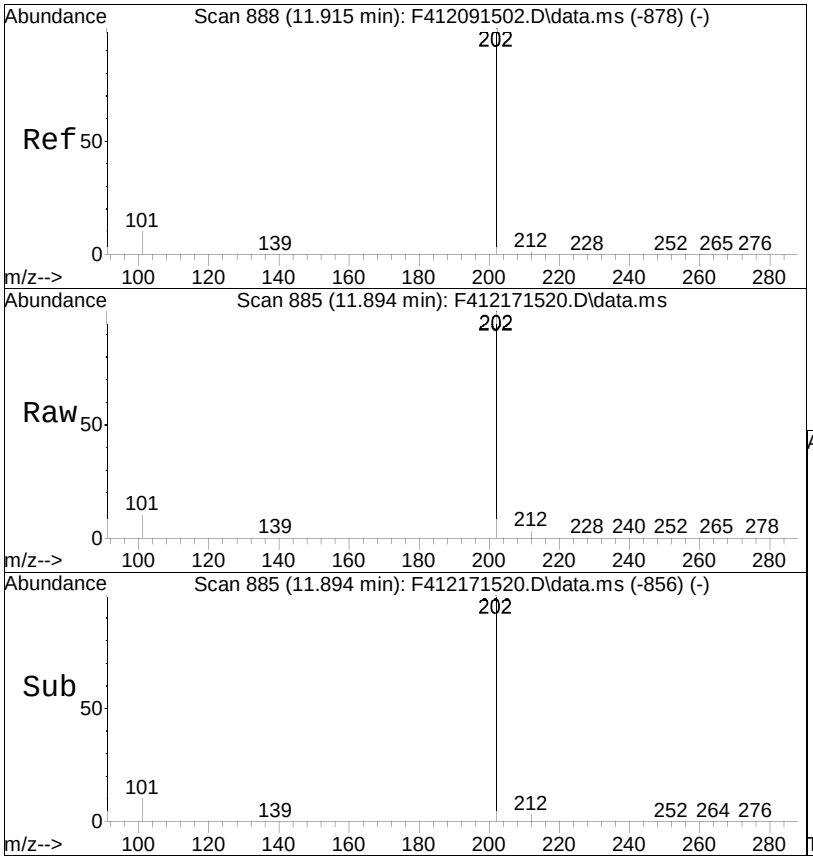


#22
1-Methylphenanthrene
Concen: 548.42 ng/mL
RT: 11.298 min Scan# 799
Delta R.T. 0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:192 Resp: 58853

Ion	Ratio	Lower	Upper
192	100		
191	54.8	44.8	67.2

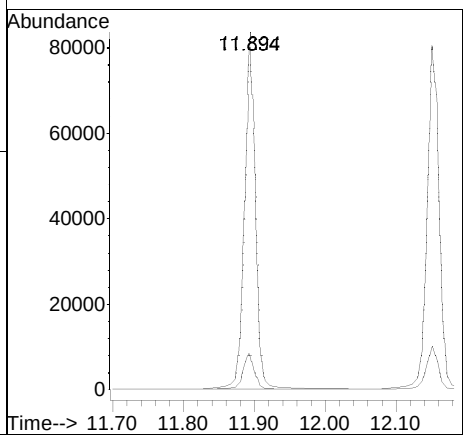


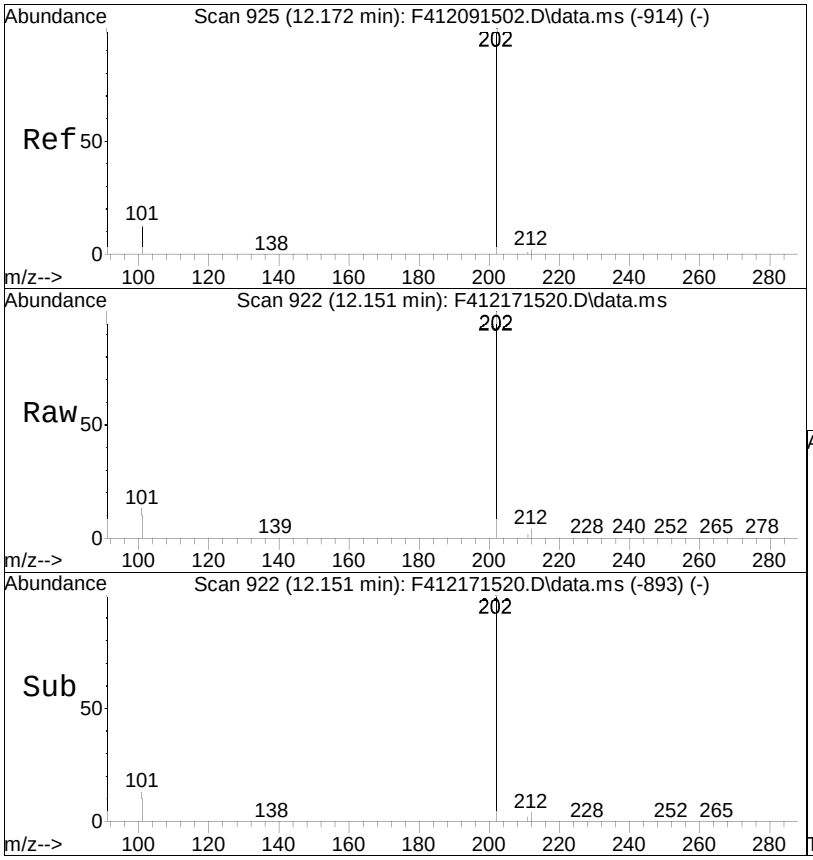


#23
Fluoranthene
Concen: 549.81 ng/mL M4
RT: 11.894 min Scan# 885
Delta R.T. 0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:202 Resp: 88999

Ion	Ratio	Lower	Upper
202	100		
101	10.4	8.3	12.5

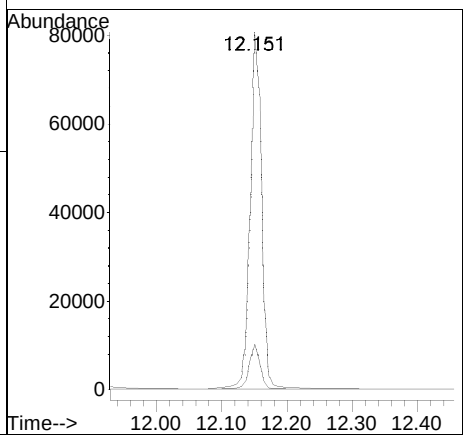


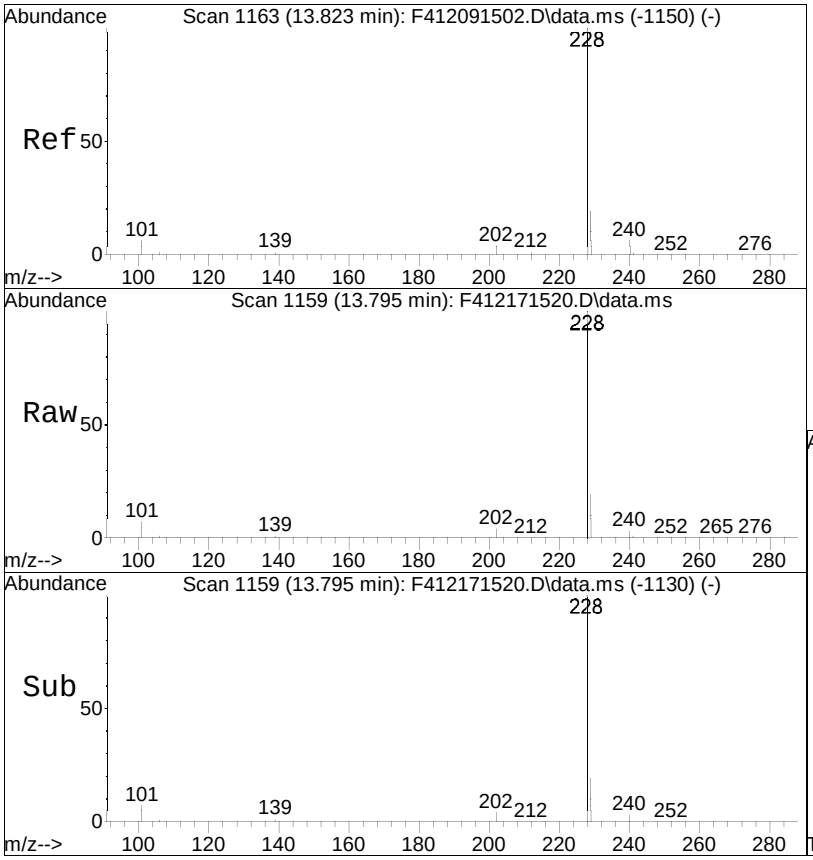


#26
Pyrene
Concen: 531.75 ng/mL
RT: 12.151 min Scan# 922
Delta R.T. -0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:202 Resp: 95575

Ion	Ratio	Lower	Upper
202	100		
101	12.7	10.1	15.1

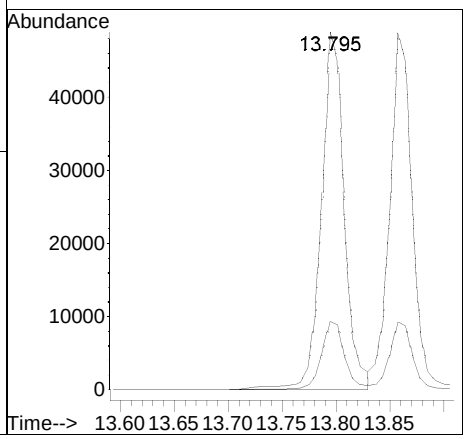


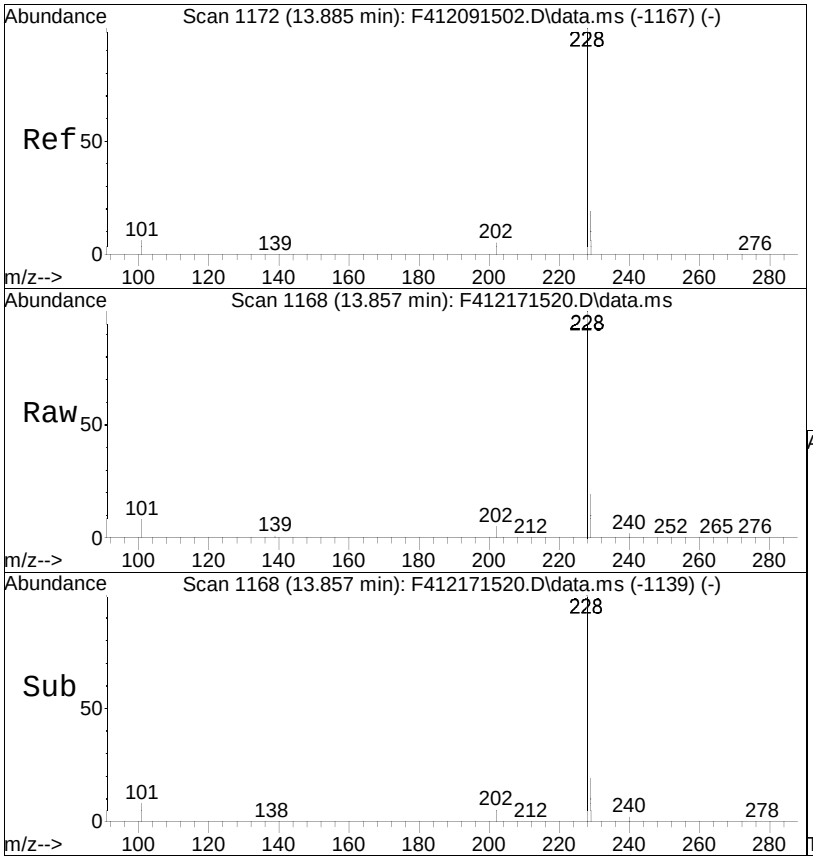


#27
Benz[a]anthracene
Concen: 499.60 ng/mL
RT: 13.795 min Scan# 1159
Delta R.T. 0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:228 Resp: 71437

Ion	Ratio	Lower	Upper
228	100		
229	19.1	15.2	22.8

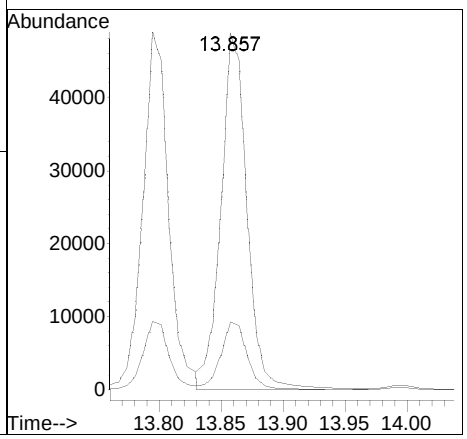


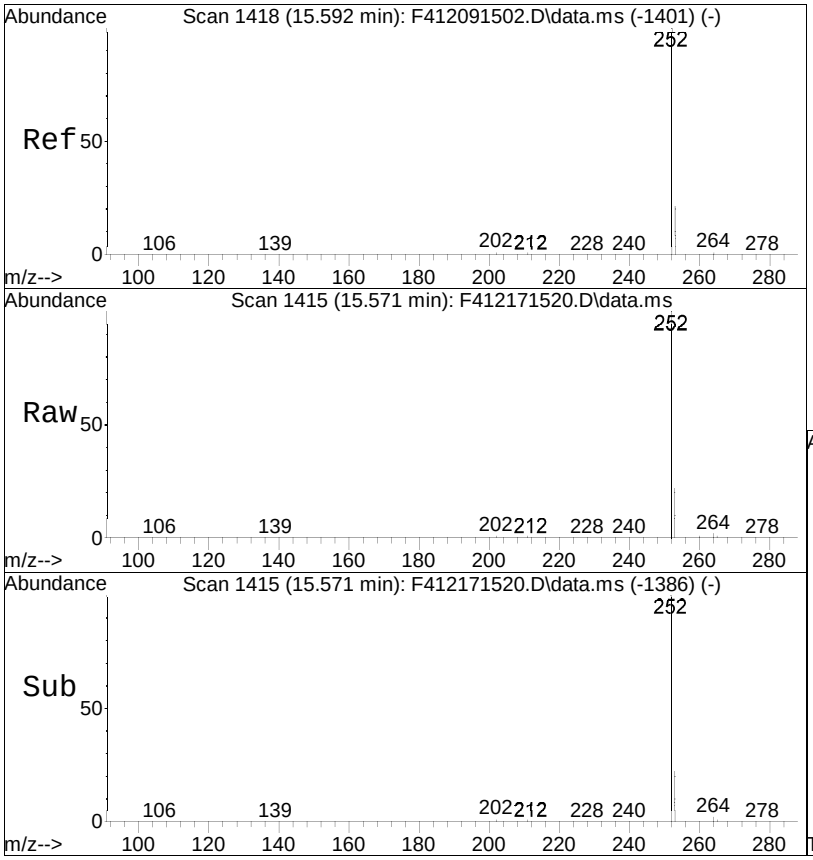


#28
Chrysene
Concen: 504.95 ng/mL
RT: 13.857 min Scan# 1168
Delta R.T. 0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:228 Resp: 70524

Ion	Ratio	Lower	Upper
228	100		
229	19.0	15.0	22.6

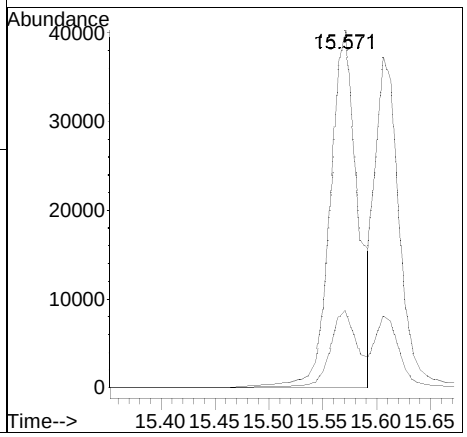


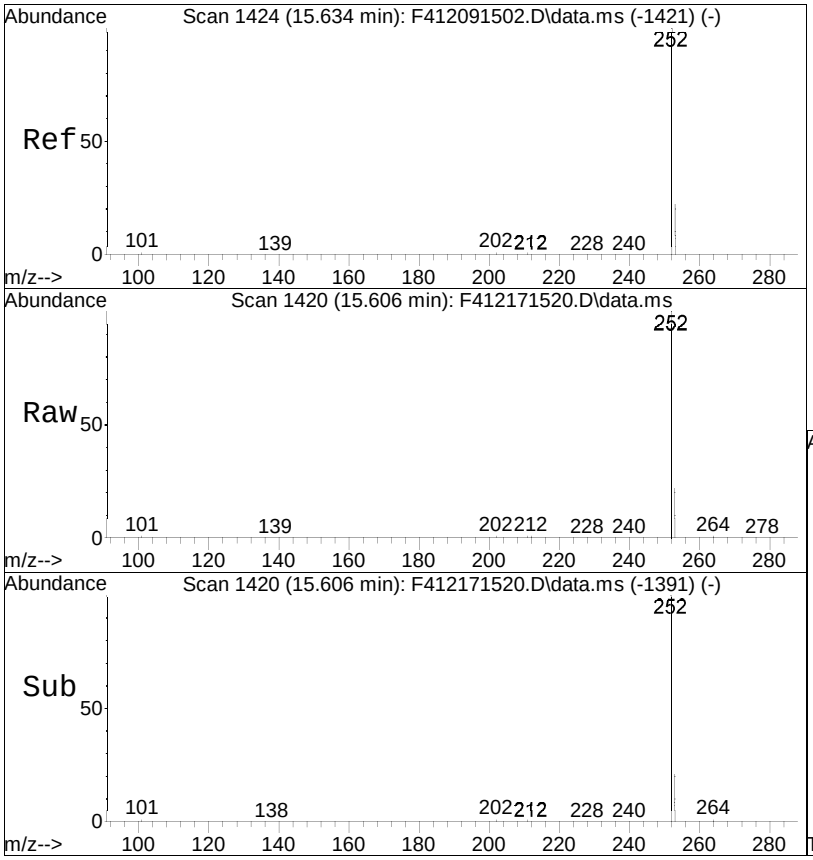


#32
Benzo[b]fluoranthene
Concen: 511.24 ng/mL
RT: 15.571 min Scan# 1415
Delta R.T. 0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:252 Resp: 72083

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7

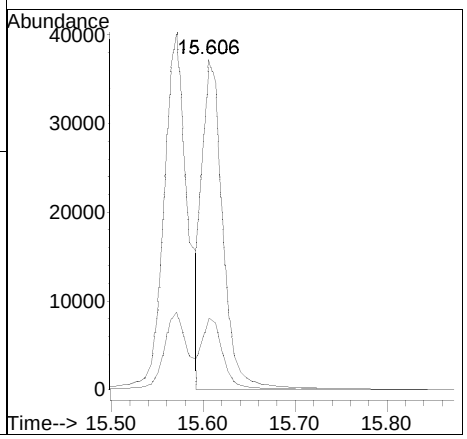


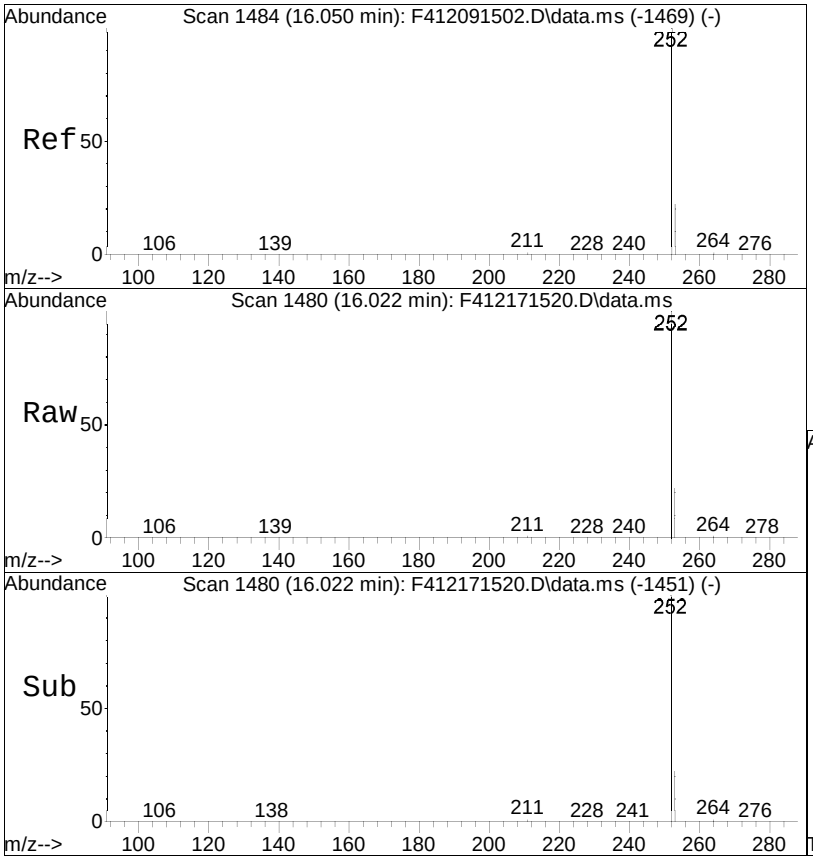


#33
Benzo[k]fluoranthene
Concen: 501.82 ng/mL
RT: 15.606 min Scan# 1420
Delta R.T. -0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:252 Resp: 57316

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8

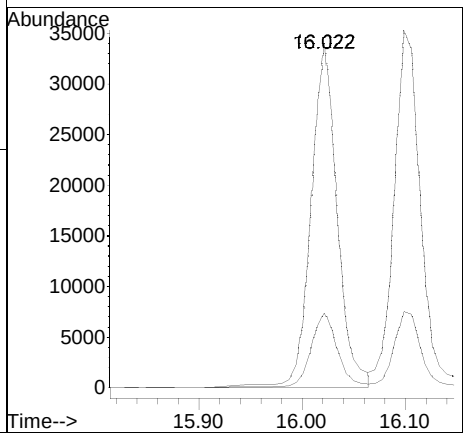


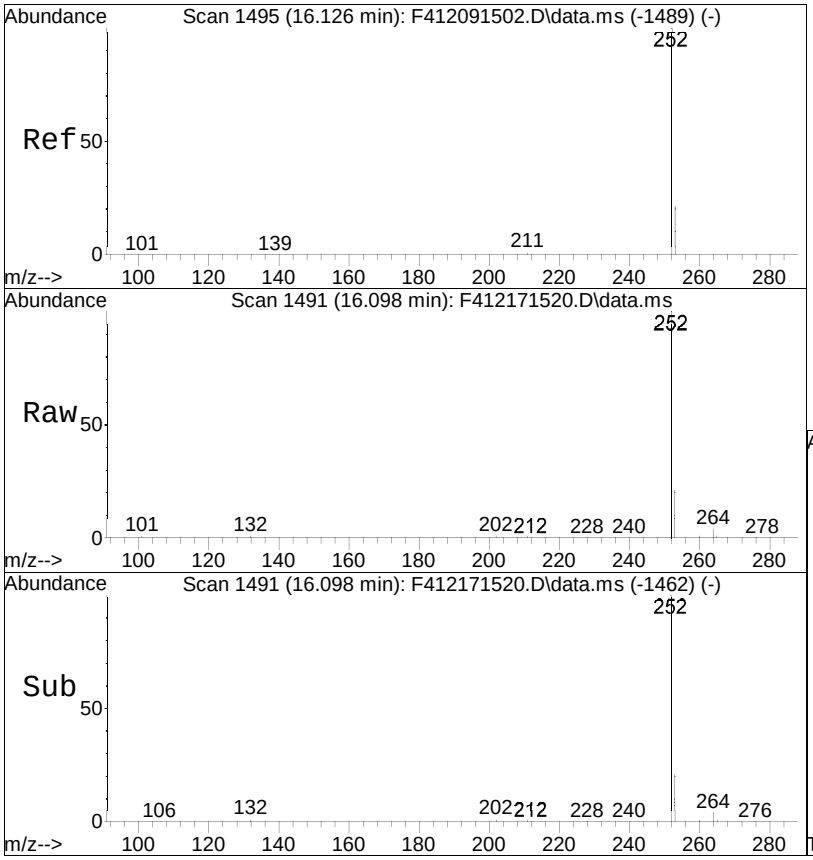


#34
Benzo[e]pyrene
Concen: 506.95 ng/mL
RT: 16.022 min Scan# 1480
Delta R.T. 0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:252 Resp: 59518

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7

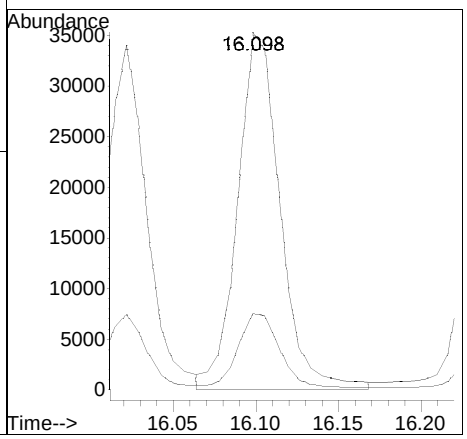


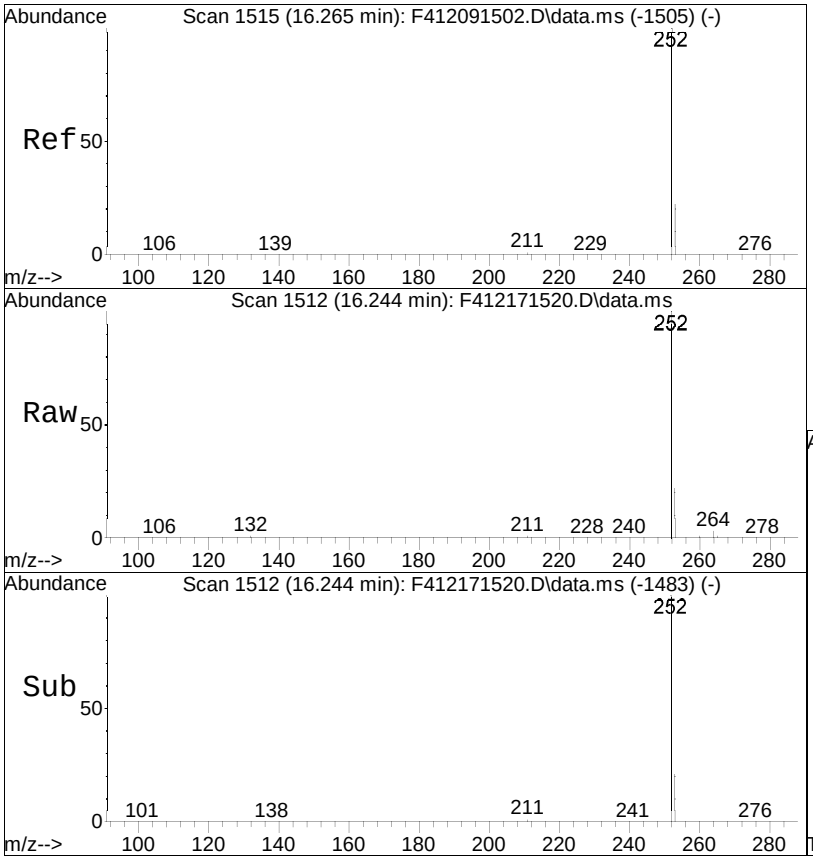


#35
Benzo[a]pyrene
Concen: 500.61 ng/mL M4
RT: 16.098 min Scan# 1491
Delta R.T. 0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:252 Resp: 62672

Ion	Ratio	Lower	Upper
252	100		
253	20.0	17.3	25.9

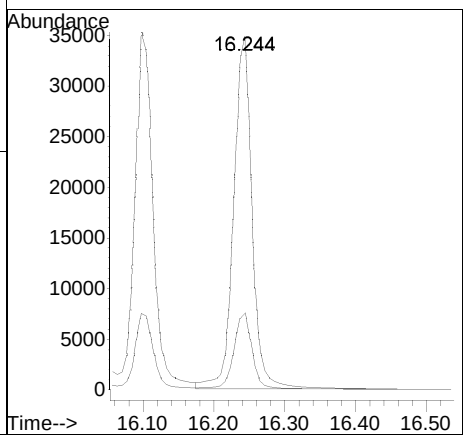


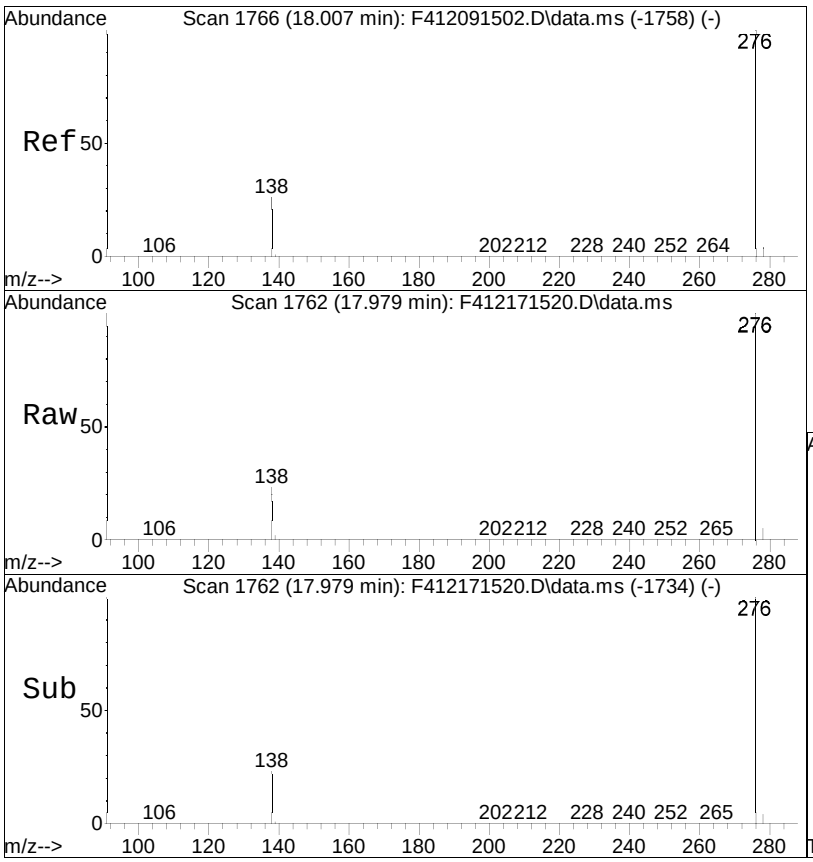


#36
Perylene
Concen: 520.67 ng/mL
RT: 16.244 min Scan# 1512
Delta R.T. 0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:252 Resp: 62722

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8

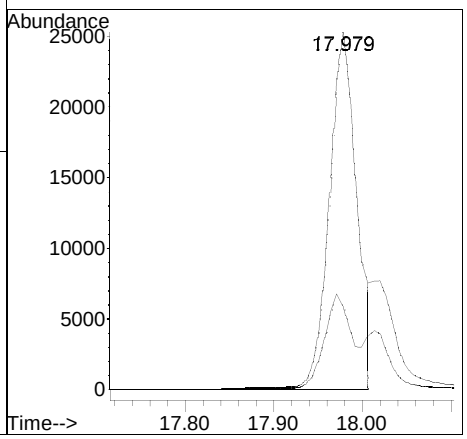


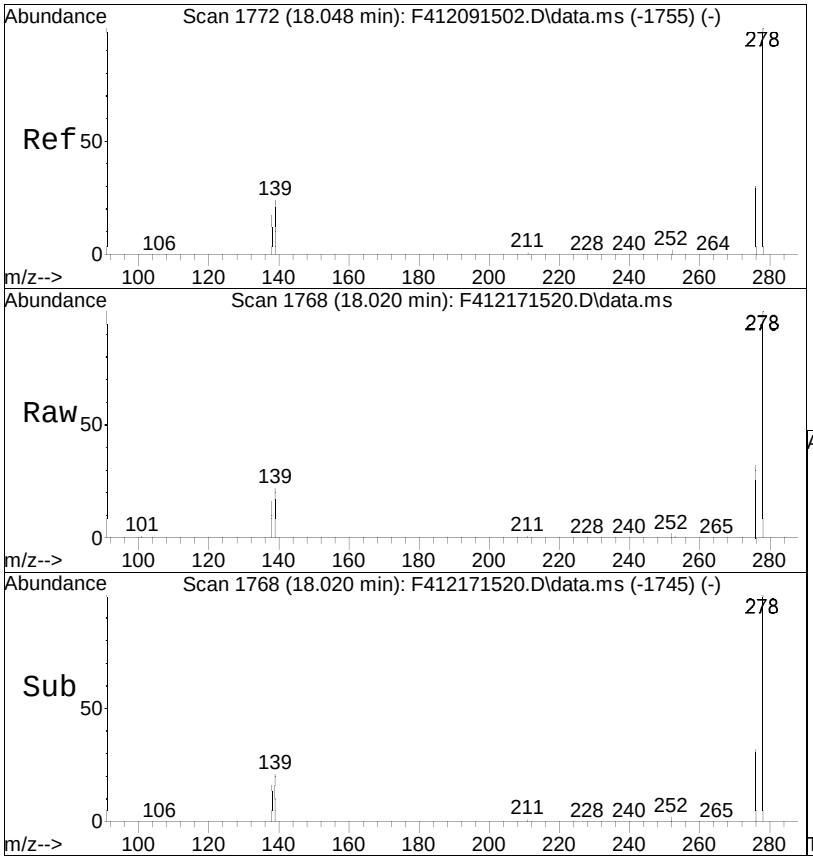


#37
Indeno[1,2,3-cd]pyrene
Concen: 492.39 ng/mL M4
RT: 17.979 min Scan# 1762
Delta R.T. -0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:276 Resp: 53985

Ion	Ratio	Lower	Upper
276	100		
138	30.5	20.3	30.5

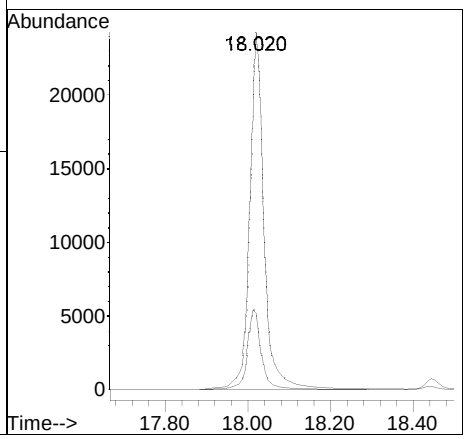


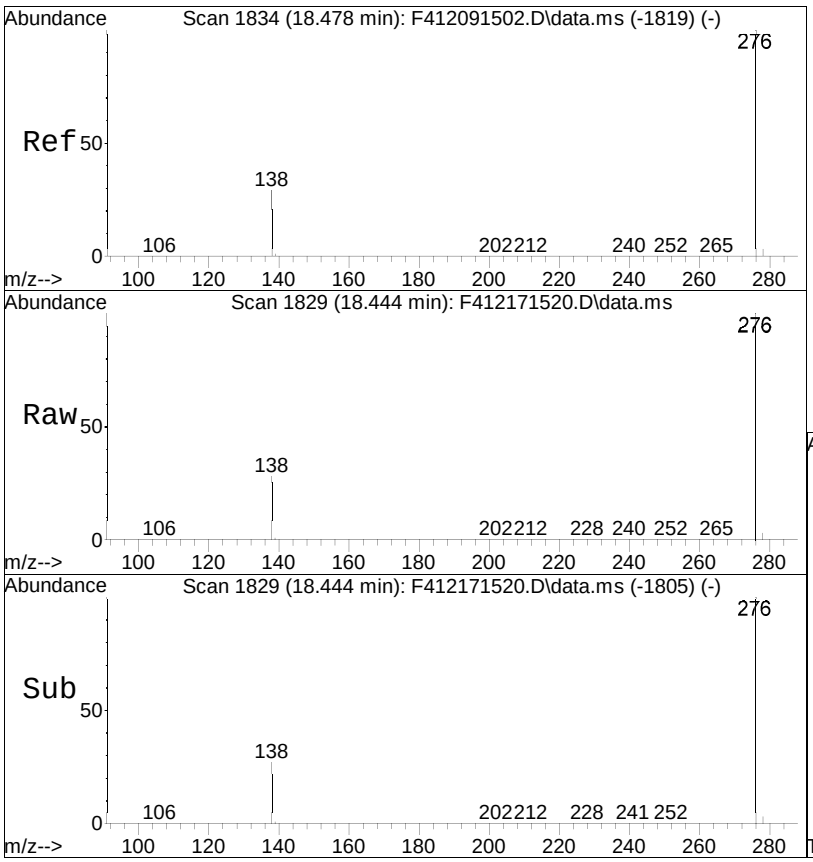


#38
Dibenz[a,h]anthracene
Concen: 504.29 ng/mL
RT: 18.020 min Scan# 1768
Delta R.T. 0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:278 Resp: 56955

Ion	Ratio	Lower	Upper
278	100		
139	21.6	16.3	24.5

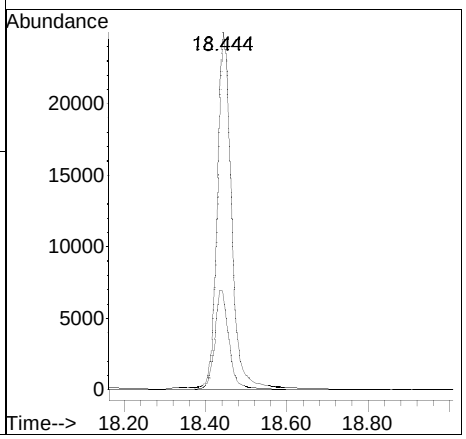




#39
Benzo[g,h,i]perylene
Concen: 500.79 ng/mL
RT: 18.444 min Scan# 1829
Delta R.T. -0.000 min
Lab File: F412171520.D
Acq: 17 Dec 2015 8:05 pm

Tgt Ion:276 Resp: 59029

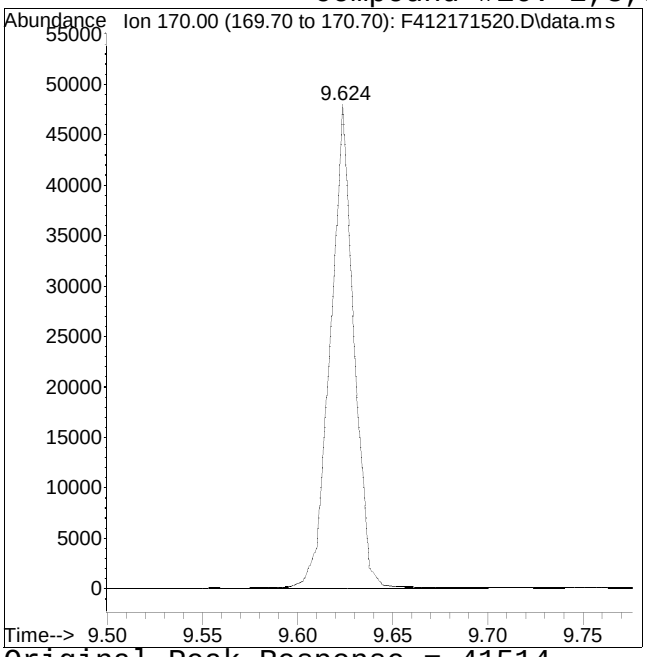
Ion	Ratio	Lower	Upper
276	100		
138	27.5	20.2	30.4



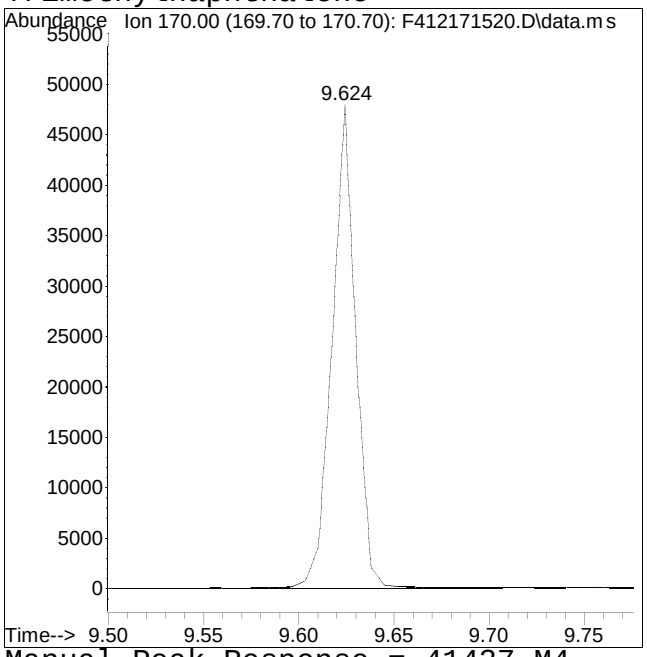
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412171520.D Operator : BNA4:SF
Date Inj'd : 12/17/2015 8:05 pm Instrument : BNA4
Sample : I412171505 Quant Date : 12/18/2015 11:50 am

Compound #16: 2,3,5-Trimethylnaphthalene



Original Peak Response = 41514



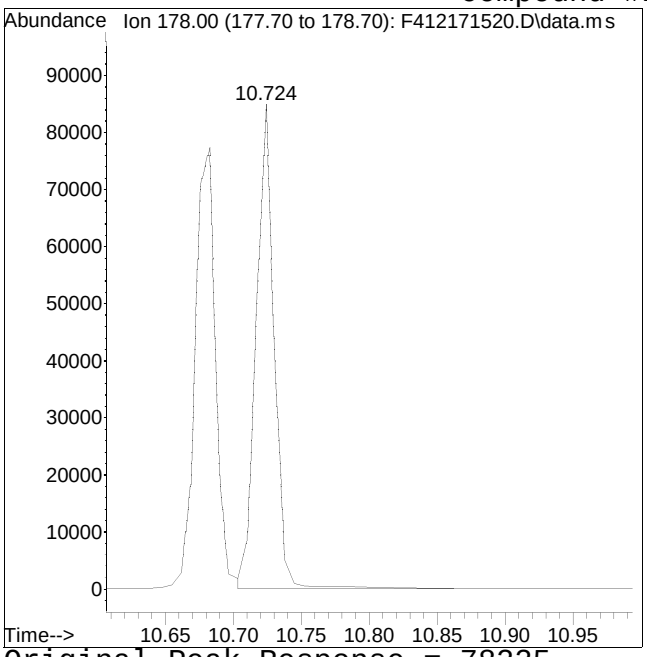
Manual Peak Response = 41437 M4

M4 = Poor automated baseline construction.

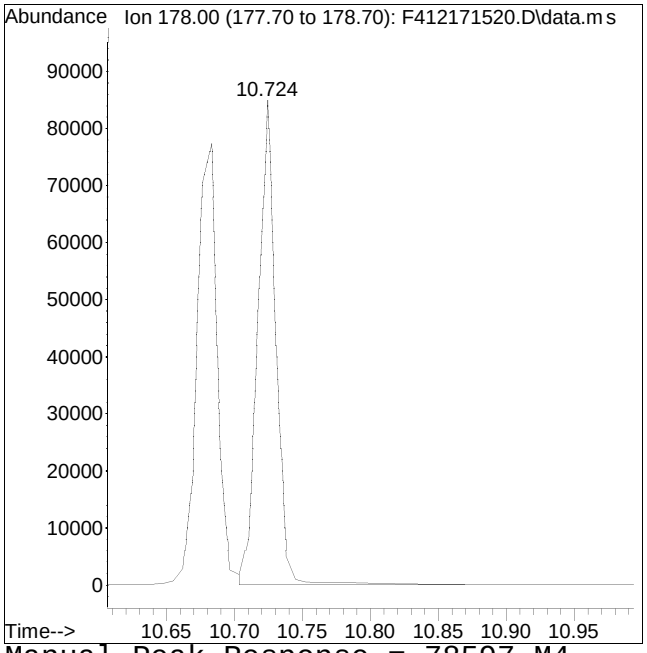
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412171520.D Operator : BNA4:SF
Date Inj'd : 12/17/2015 8:05 pm Instrument : BNA4
Sample : I412171505 Quant Date : 12/18/2015 11:50 am

Compound #20: Anthracene



Original Peak Response = 78225



Manual Peak Response = 78597 M4

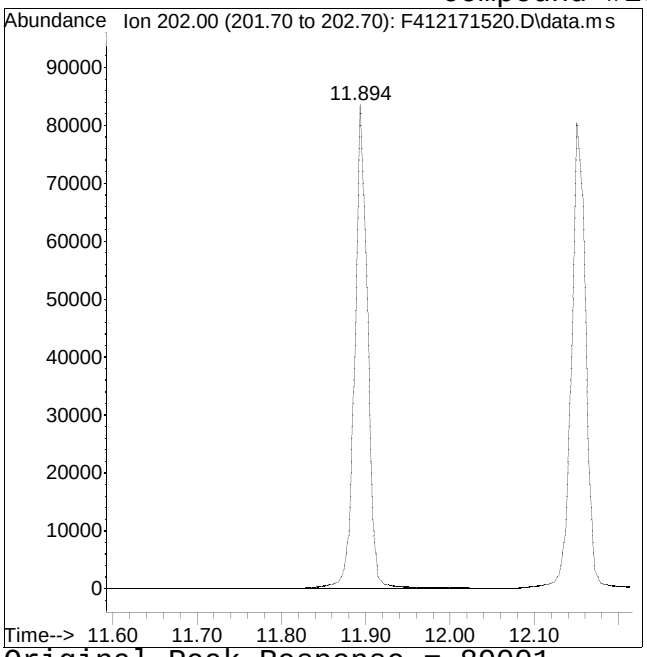
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

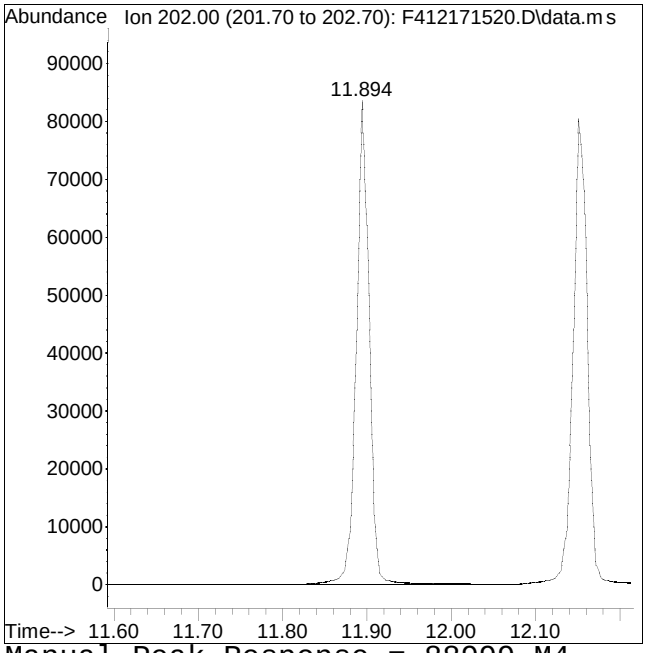
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412171520.D
Date Inj'd : 12/17/2015 8:05 pm
Sample : I412171505

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/18/2015 11:50 am

Compound #23: Fluoranthene



Original Peak Response = 89001



Manual Peak Response = 88999 M4

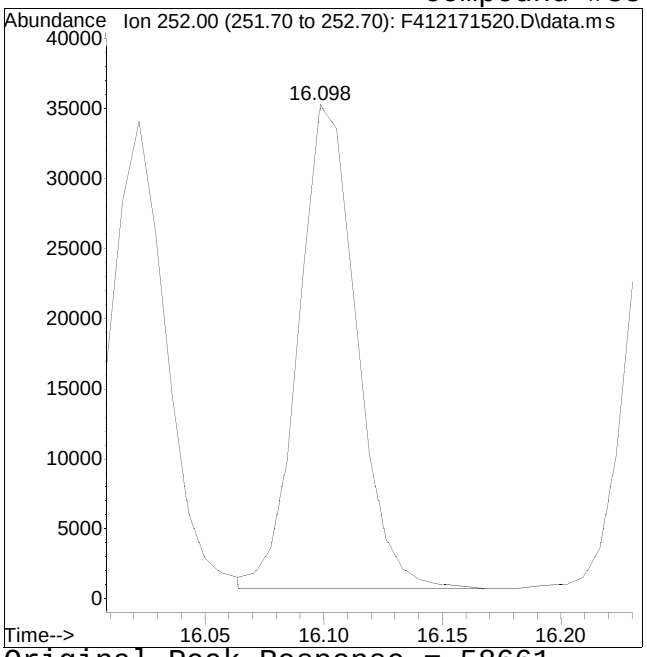
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

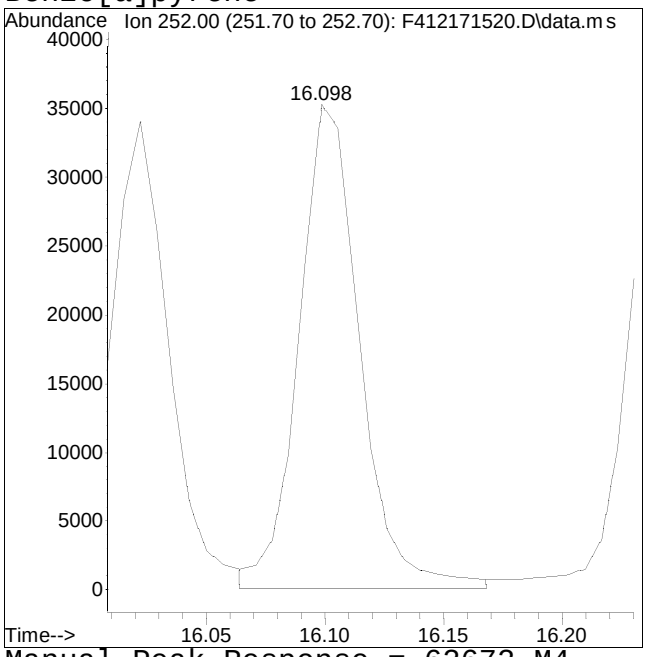
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412171520.D
Date Inj'd : 12/17/2015 8:05 pm
Sample : I412171505

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/18/2015 11:50 am

Compound #35: Benzo[a]pyrene



Original Peak Response = 58661



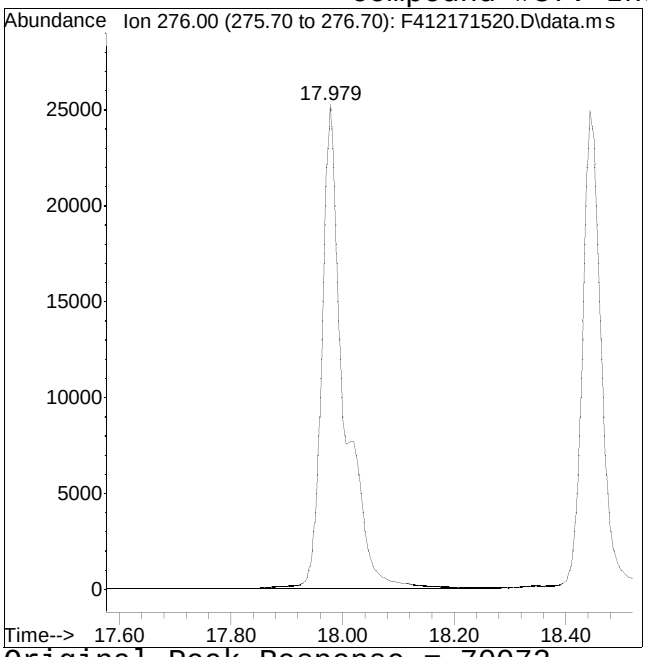
Manual Peak Response = 62672 M4

M4 = Poor automated baseline construction.

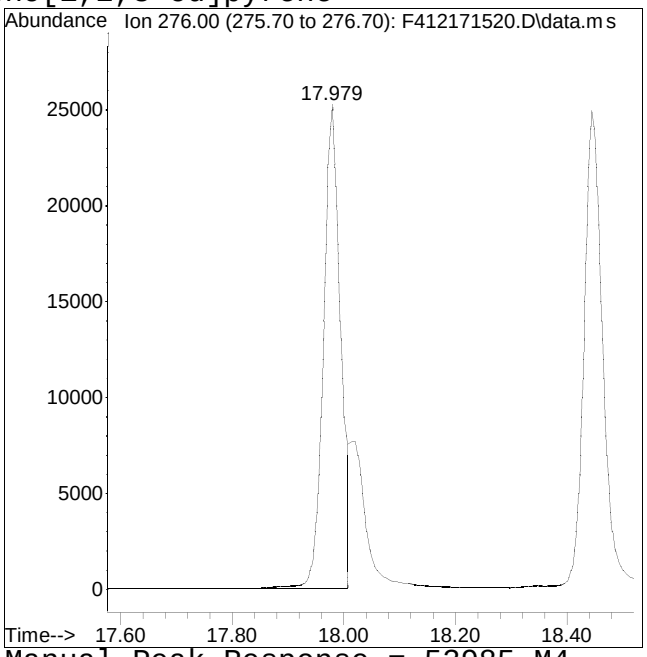
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412171520.D Operator : BNA4:SF
Date Inj'd : 12/17/2015 8:05 pm Instrument : BNA4
Sample : I412171505 Quant Date : 12/18/2015 11:50 am

Compound #37: Indeno[1,2,3-cd]pyrene



Original Peak Response = 70072



Manual Peak Response = 53985 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171521.D
Acq On : 17 Dec 2015 8:36 pm
Operator : BNA4:SF
Sample : I412171506
Misc : WG851049,MSAG92
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 18 11:50:31 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:50:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.462	136	85838	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.221	164	40534	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.662	188	80107	500.000	ng/mL	0.00
24) Chrysene-d12	13.823	240	64590	500.000	ng/mL	0.00
29) Perylene-d12	16.203	264	54843	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.138	152	91870	988.565	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 19.77%#			
18) Fluoranthene-d10	11.873	212	135654	1059.412	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 211.88%#			
25) Pyrene-d10	12.137	212	130927	1044.604	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 20.89%#			
30) Benzo(a)pyrene-d12	16.064	264	82954	978.071	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 195.61%#			
31) Benzo[b]fluoranthene-d12	15.530	264	96562	1075.528	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 21.51%#			
Target Compounds						Qvalue
2) Naphthalene	7.484	128	170979	944.772	ng/mL	100
3) 1,4-Dichlorobenzene	6.205	146	70066	925.069	ng/mL	99
5) 2-Methylnaphthalene	8.167	142	111085	978.416	ng/mL	97
6) 1-Methylnaphthalene	8.276	142	105102	976.448	ng/mL	98
8) Dibenzothiophene	10.558	184	166436	1014.173	ng/mL	93
9) 2-Chloronaphthalene	8.654	162	112199	988.597	ng/mL	100
10) Biphenyl	8.639	154	138334	986.315	ng/mL	97
11) 2,6-Dimethylnaphthalene	8.792	156	95891	1016.854	ng/mL	99
12) Acenaphthylene	9.068	152	170831	1057.459	ng/mL	99
13) Acenaphthene	9.250	153	105479	959.117	ng/mL	99
14) Dibenzofuran	9.409	168	150307	973.133	ng/mL#	66
15) Fluorene	9.742	166	119872	1011.779	ng/mL	98
16) 2,3,5-Trimethylnaphthalen	9.624	170	85736M4	1033.390	ng/mL	
19) Phenanthrene	10.683	178	169901	963.913	ng/mL	99
20) Anthracene	10.724	178	173852	1072.241	ng/mL	100
21) Carbazole	10.890	167	164477	1054.283	ng/mL	95
22) 1-Methylphenanthrene	11.298	192	121919	1049.867	ng/mL	100
23) Fluoranthene	11.894	202	184130	1051.175	ng/mL	99
26) Pyrene	12.151	202	200779	1040.494	ng/mL	99
27) Benz[a]anthracene	13.795	228	147477	956.605	ng/mL	100
28) Chrysene	13.858	228	148975	993.534	ng/mL	100

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171521.D
Acq On : 17 Dec 2015 8:36 pm
Operator : BNA4:SF
Sample : I412171506
Misc : WG851049,MSAG92
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 18 11:50:31 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:50:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo[b]fluoranthene	15.571	252	146469	942.027	ng/mL	100
33) Benzo[k]fluoranthene	15.613	252	127423	1015.357	ng/mL	100
34) Benzo[e]pyrene	16.022	252	124809	965.634	ng/mL	100
35) Benzo[a]pyrene	16.106	252	134549M4	975.219	ng/mL	
36) Perylene	16.244	252	133146	1008.574	ng/mL	100
37) Indeno[1,2,3-cd]pyrene	17.979	276	118796M4	982.591	ng/mL	
38) Dibenz[a,h]anthracene	18.027	278	120903	972.150	ng/mL	96
39) Benzo[g,h,i]perylene	18.451	276	126623	975.752	ng/mL	97

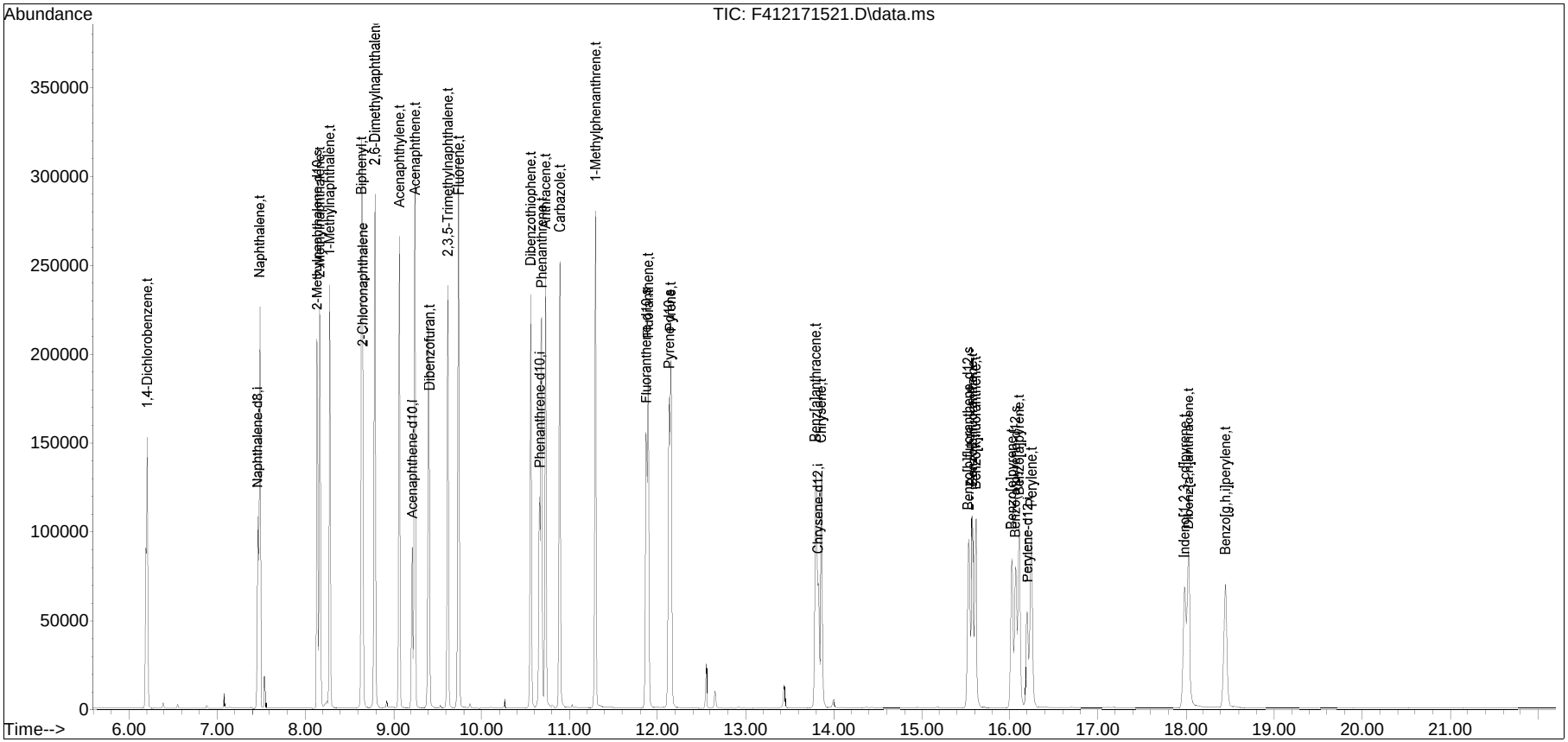
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171521.D
Acq On : 17 Dec 2015 8:36 pm
Operator : BNA4:SF
Sample : I412171506
Misc : WG851049,MSAG92
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 18 11:50:31 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:50:29 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

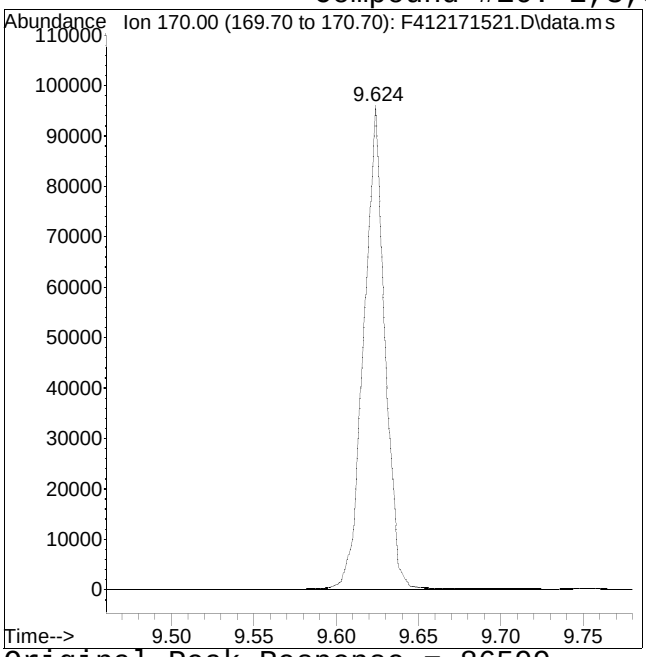


Manual Integration/Negative Proof Report

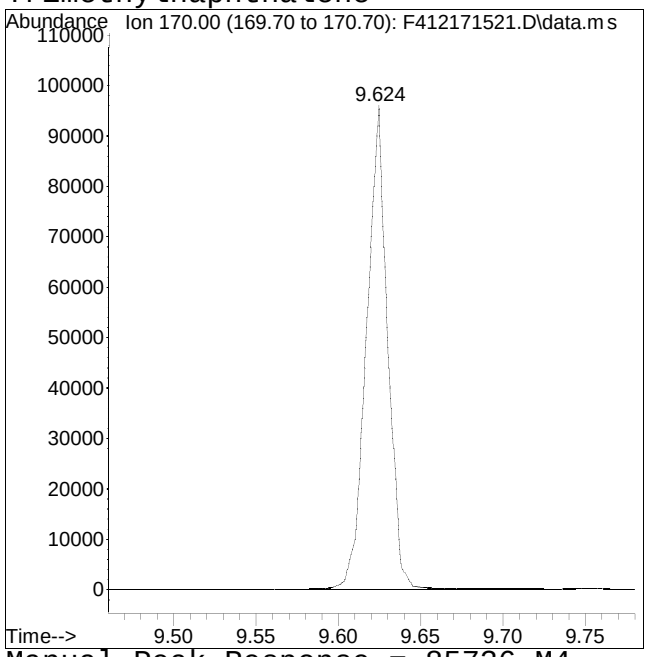
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412171521.D
Date Inj'd : 12/17/2015 8:36 pm
Sample : I412171506

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/18/2015 11:50 am

Compound #16: 2,3,5-Trimethylnaphthalene



Original Peak Response = 86599



Manual Peak Response = 85736 M4

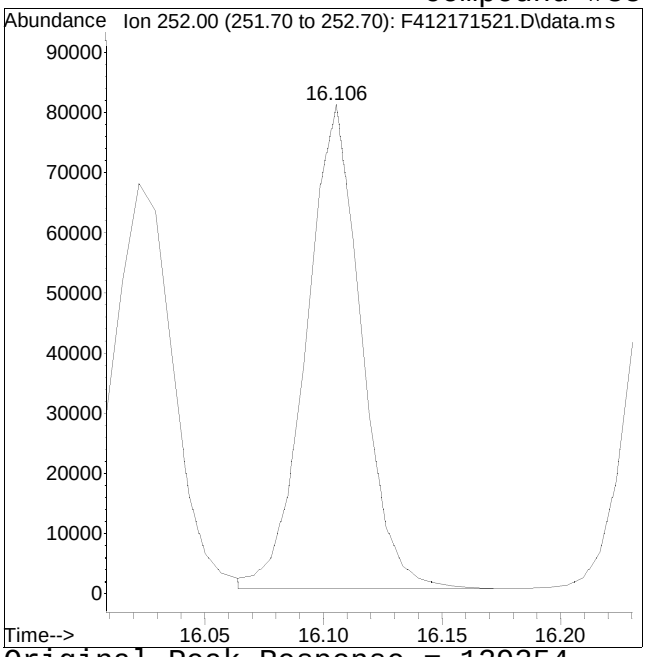
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

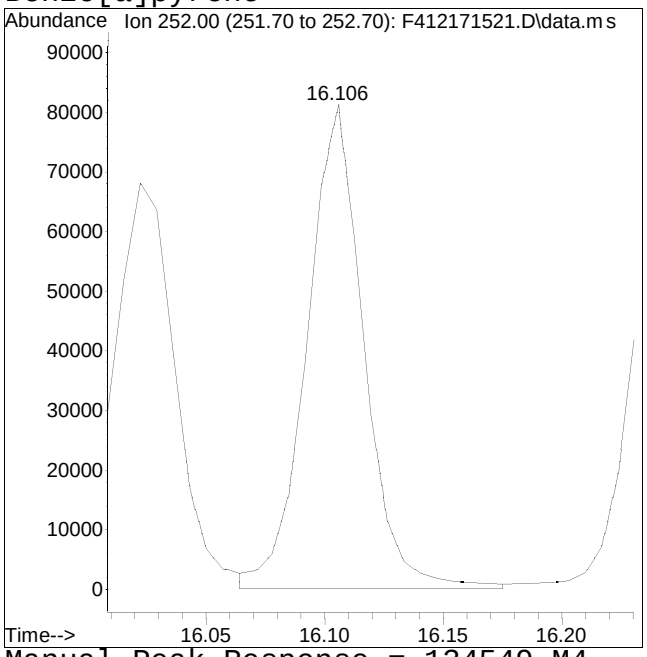
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412171521.D
Date Inj'd : 12/17/2015 8:36 pm
Sample : I412171506

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/18/2015 11:50 am

Compound #35: Benzo[a]pyrene



Original Peak Response = 129354



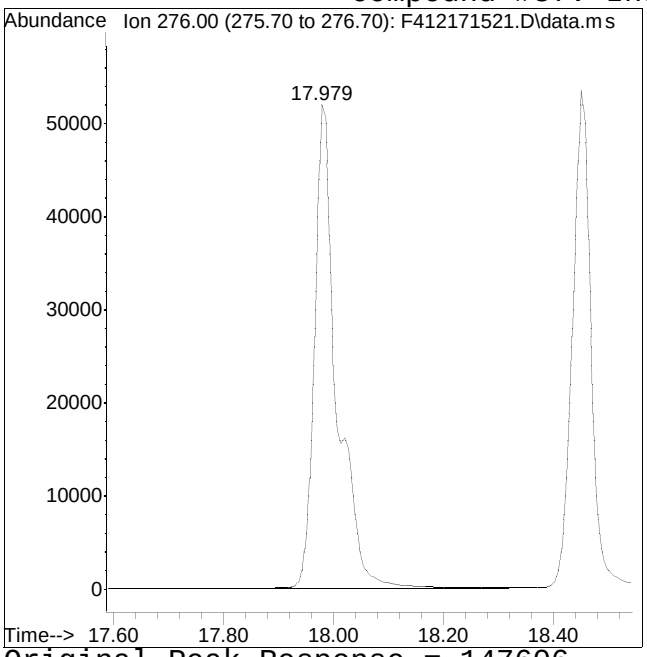
Manual Peak Response = 134549 M4

M4 = Poor automated baseline construction.

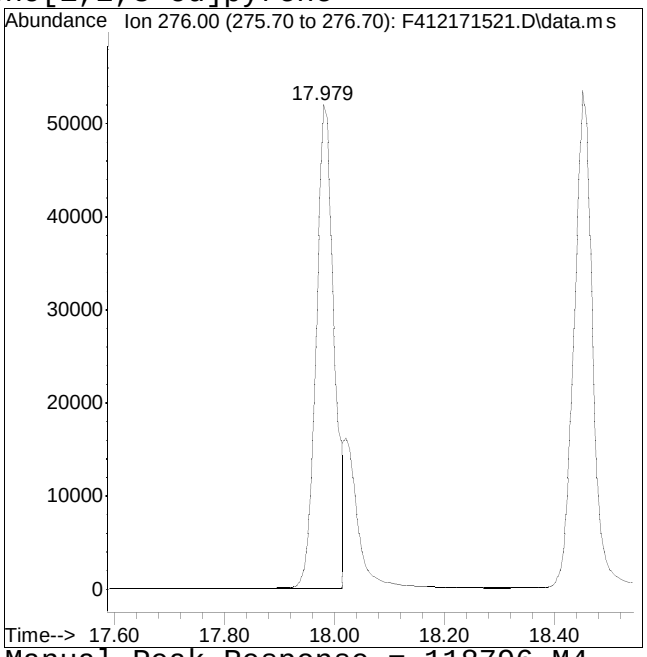
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412171521.D Operator : BNA4:SF
Date Inj'd : 12/17/2015 8:36 pm Instrument : BNA4
Sample : I412171506 Quant Date : 12/18/2015 11:50 am

Compound #37: Indeno[1,2,3-cd]pyrene



Original Peak Response = 147606



Manual Peak Response = 118796 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171522.D
Acq On : 17 Dec 2015 9:06 pm
Operator : BNA4:SF
Sample : I412171507
Misc : WG851049,MSAG90,X5
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 18 11:50:34 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:50:32 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.462	136	81072	500.000	ng/mL #	0.00
7) Acenaphthene-d10	9.221	164	38135	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.662	188	77095	500.000	ng/mL	0.00
24) Chrysene-d12	13.823	240	60484	500.000	ng/mL	0.00
29) Perylene-d12	16.203	264	52090	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.138	152	183187	2087.059	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 41.74%			
18) Fluoranthene-d10	11.880	212	270666M4	2196.393	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 439.28%#			
25) Pyrene-d10	12.137	212	259467	2210.697	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 44.21%#			
30) Benzo(a)pyrene-d12	16.071	264	167785	2039.641	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 407.93%#			
31) Benzo[b]fluoranthene-d12	15.537	264	194273	2278.214	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 45.56%#			
Target Compounds						Qvalue
2) Naphthalene	7.484	128	334379	1956.284	ng/mL	100
3) 1,4-Dichlorobenzene	6.205	146	136861	1913.178	ng/mL	98
5) 2-Methylnaphthalene	8.167	142	220168	2053.198	ng/mL	97
6) 1-Methylnaphthalene	8.276	142	209587	2061.633	ng/mL	98
8) Dibenzothiophene	10.558	184	332387	2152.805	ng/mL	98
9) 2-Chloronaphthalene	8.654	162	225980	2116.393	ng/mL	100
10) Biphenyl	8.639	154	273895	2075.709	ng/mL	95
11) 2,6-Dimethylnaphthalene	8.792	156	192330	2167.822	ng/mL	98
12) Acenaphthylene	9.068	152	347424	2285.875	ng/mL	99
13) Acenaphthene	9.250	153	210736	2036.761	ng/mL	99
14) Dibenzofuran	9.409	168	299065	2058.042	ng/mL#	67
15) Fluorene	9.742	166	240146	2154.464	ng/mL	97
16) 2,3,5-Trimethylnaphthalen	9.624	170	171050M4	2191.390	ng/mL	
19) Phenanthrene	10.683	178	339779	2003.007	ng/mL	99
20) Anthracene	10.724	178	346912	2223.189	ng/mL	99
21) Carbazole	10.890	167	327673	2182.412	ng/mL	99
22) 1-Methylphenanthrene	11.298	192	244582	2188.425	ng/mL	100
23) Fluoranthene	11.894	202	366594	2174.603	ng/mL	97
26) Pyrene	12.158	202	403090	2230.735	ng/mL	95
27) Benz[a]anthracene	13.802	228	299945	2072.477	ng/mL	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171522.D
Acq On : 17 Dec 2015 9:06 pm
Operator : BNA4:SF
Sample : I412171507
Misc : WG851049,MSAG90,X5
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 18 11:50:34 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:50:32 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Chrysene	13.865	228	290166	2066.524	ng/mL	99
32) Benzo[b]fluoranthene	15.578	252	309350	2086.299	ng/mL	100
33) Benzo[k]fluoranthene	15.613	252	235599	1974.104	ng/mL	100
34) Benzo[e]pyrene	16.029	252	251813	2045.765	ng/mL	100
35) Benzo[a]pyrene	16.112	252	267843M4	2037.665	ng/mL	
36) Perylene	16.251	252	261711	2087.221	ng/mL	100
37) Indeno[1,2,3-cd]pyrene	17.986	276	237291M4	2059.698	ng/mL	
38) Dibenz[a,h]anthracene	18.027	278	242079	2043.816	ng/mL	97
39) Benzo[g,h,i]perylene	18.457	276	252129	2040.411	ng/mL	95

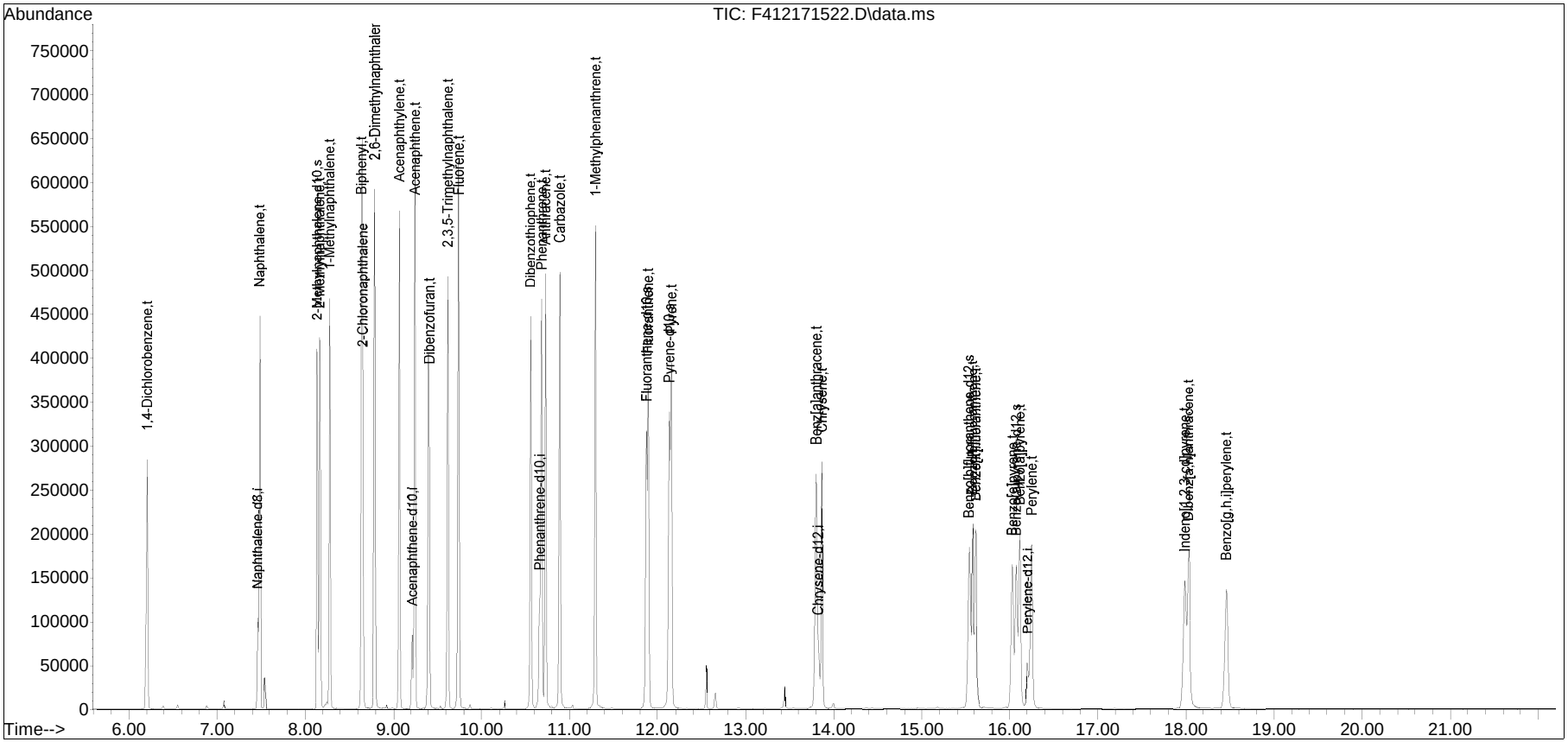
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171522.D
Acq On : 17 Dec 2015 9:06 pm
Operator : BNA4:SF
Sample : I412171507
Misc : WG851049,MSAG90,X5
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 18 11:50:34 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:50:32 2015
Response via : Initial Calibration

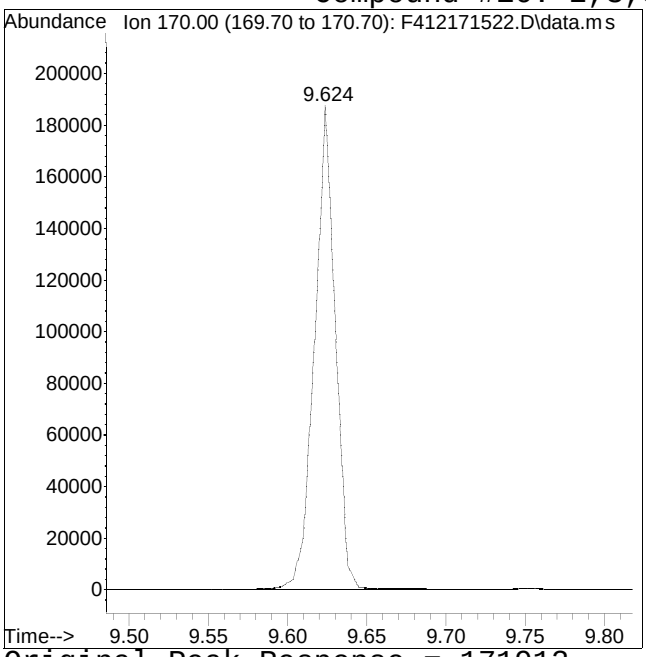
Sub List : Default - All compounds listed

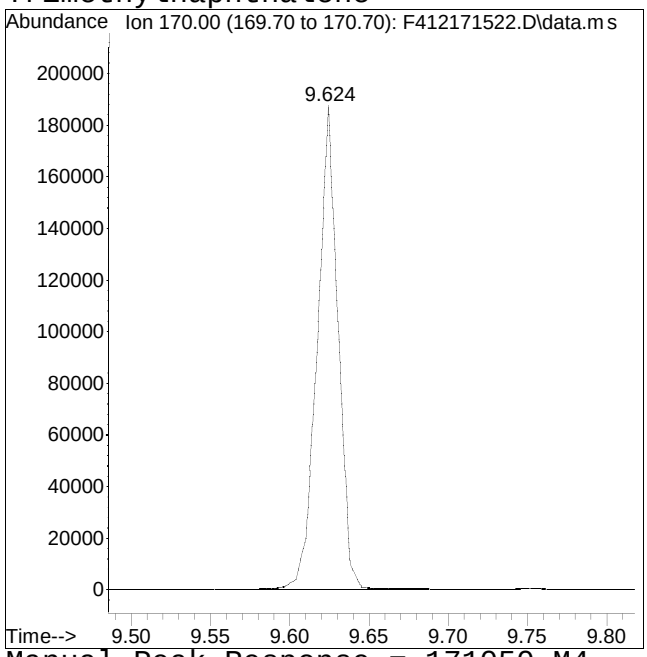


Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\QMethod : PAH1217BNA4.M
Data File : F412171522.D Operator : BNA4:SF
Date Inj'd : 12/17/2015 9:06 pm Instrument : BNA4
Sample : I412171507 Quant Date : 12/18/2015 11:50 am

Compound #16: 2,3,5-Trimethylnaphthalene





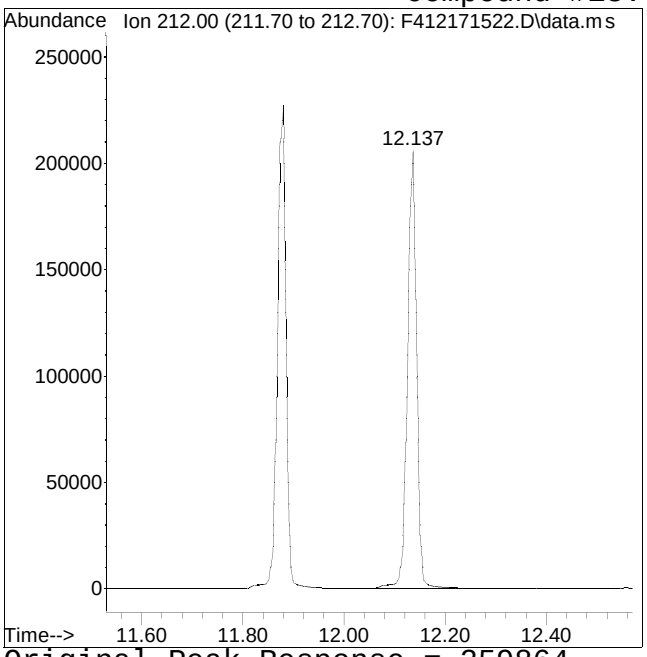
Original Peak Response = 171912 Manual Peak Response = 171050 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

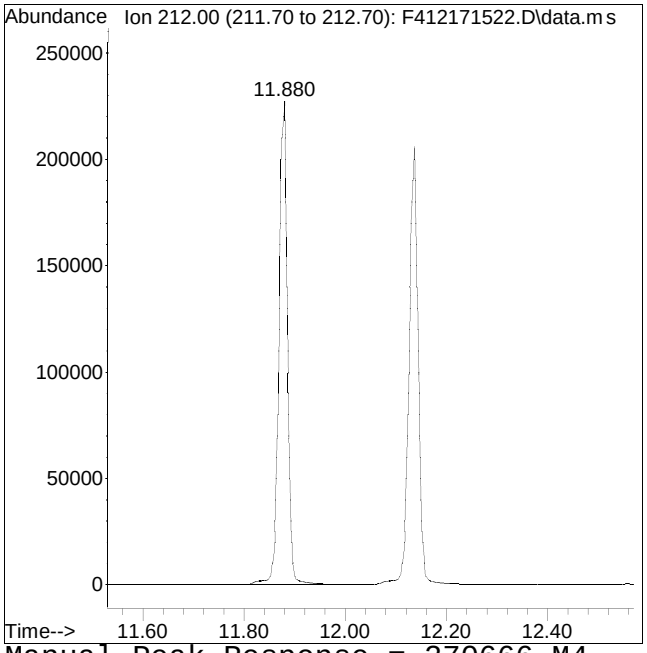
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412171522.D
Date Inj'd : 12/17/2015 9:06 pm
Sample : I412171507

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/18/2015 11:50 am

Compound #18: Fluoranthene-d10



Original Peak Response = 259864



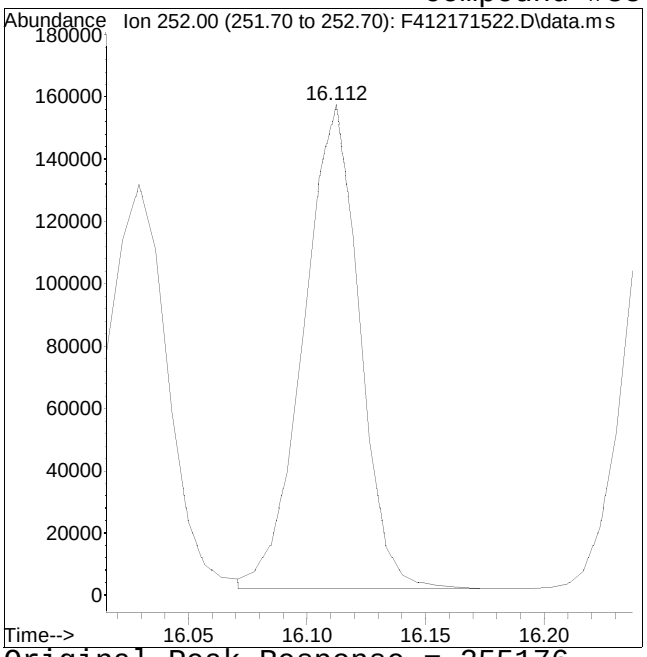
Manual Peak Response = 270666 M4

M4 = Poor automated baseline construction.

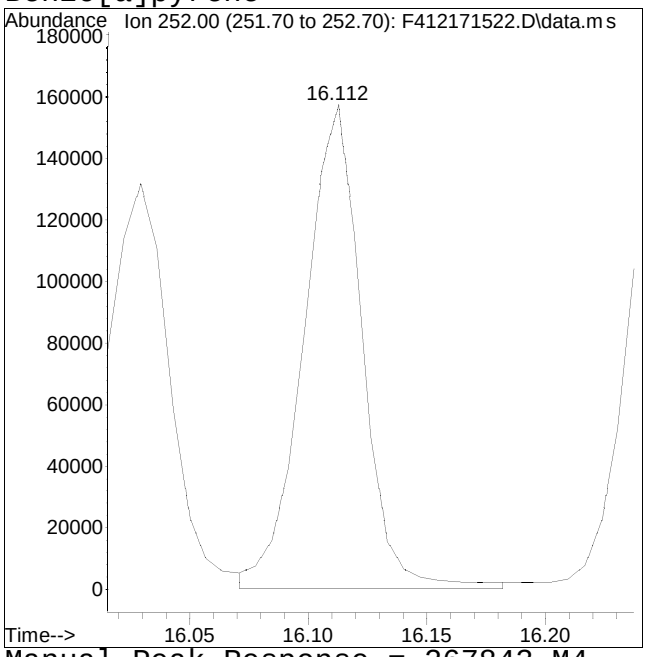
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412171522.D Operator : BNA4:SF
Date Inj'd : 12/17/2015 9:06 pm Instrument : BNA4
Sample : I412171507 Quant Date : 12/18/2015 11:50 am

Compound #35: Benzo[a]pyrene



Original Peak Response = 255176



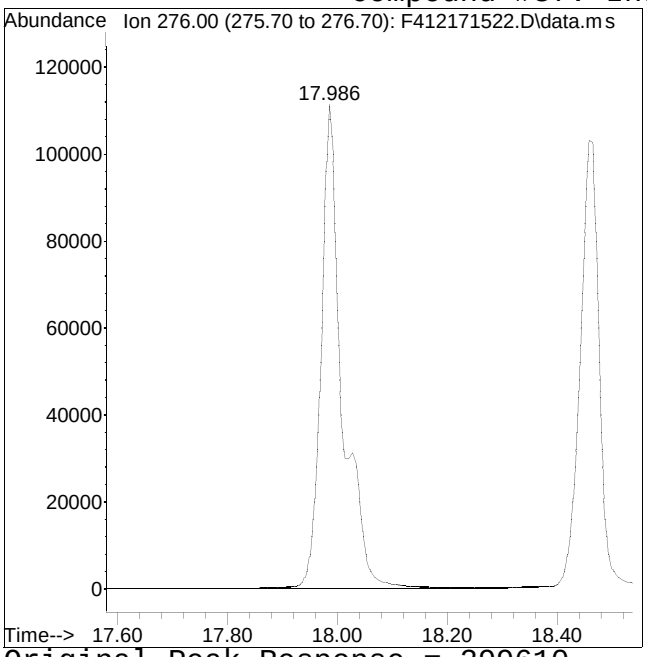
Manual Peak Response = 267843 M4

M4 = Poor automated baseline construction.

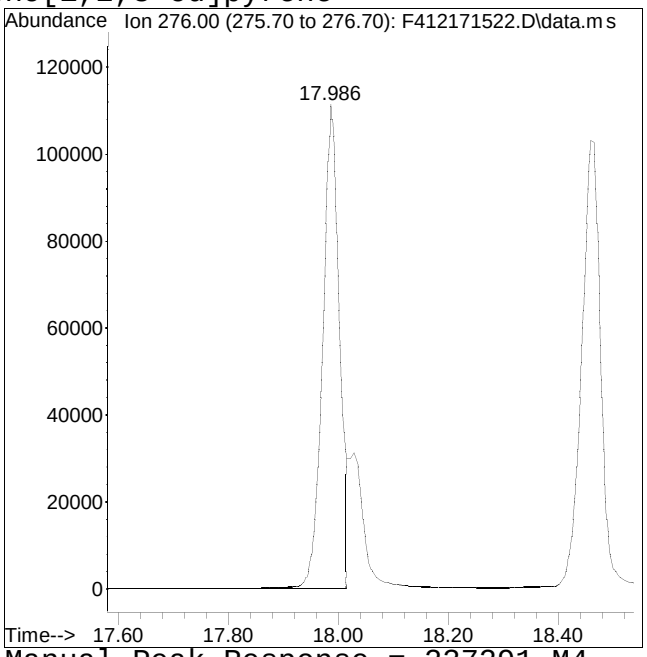
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412171522.D Operator : BNA4:SF
Date Inj'd : 12/17/2015 9:06 pm Instrument : BNA4
Sample : I412171507 Quant Date : 12/18/2015 11:50 am

Compound #37: Indeno[1,2,3-cd]pyrene



Original Peak Response = 299610



Manual Peak Response = 237291 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171523.D
Acq On : 17 Dec 2015 9:37 pm
Operator : BNA4:SF
Sample : I412171508
Misc : WG851049,MSAG91
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 18 11:50:37 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:50:35 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.462	136	83288	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.221	164	39948	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.662	188	83204	500.000	ng/mL	0.00
24) Chrysene-d12	13.830	240	63328	500.000	ng/mL	0.00
29) Perylene-d12	16.210	264	54878	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.145	152	481370	5338.357	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 106.77%			
18) Fluoranthene-d10	11.880	212	721206	5422.727	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 1084.55%#			
25) Pyrene-d10	12.137	212	693193	5640.868	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 112.82%			
30) Benzo(a)pyrene-d12	16.085	264	454355	4988.750	ng/mL	0.02
Spiked Amount 500.000	Range 30 - 150		Recovery = 997.75%#			
31) Benzo[b]fluoranthene-d12	15.550	264	522760	5818.896	ng/mL	0.02
Spiked Amount 5000.000	Range 50 - 150		Recovery = 116.38%			
Target Compounds						Qvalue
2) Naphthalene	7.484	128	851919	4851.541	ng/mL	100
3) 1,4-Dichlorobenzene	0.000		0	N.D.	d	
5) 2-Methylnaphthalene	8.174	142	580581	5270.210	ng/mL	97
6) 1-Methylnaphthalene	8.276	142	547946	5246.542	ng/mL	98
8) Dibenzothiophene	0.000		0	N.D.	d	
9) 2-Chloronaphthalene	0.000		0	N.D.	d	
10) Biphenyl	0.000		0	N.D.	d	
11) 2,6-Dimethylnaphthalene	0.000		0	N.D.	d	
12) Acenaphthylene	0.000		0	N.D.	d	
13) Acenaphthene	0.000		0	N.D.	d	
14) Dibenzofuran	0.000		0	N.D.	d	
15) Fluorene	0.000		0	N.D.	d	
16) 2,3,5-Trimethylnaphthalen	0.000		0	N.D.	d	
19) Phenanthrene	0.000		0	N.D.	d	
20) Anthracene	0.000		0	N.D.	d	
21) Carbazole	0.000		0	N.D.	d	
22) 1-Methylphenanthrene	0.000		0	N.D.	d	
23) Fluoranthene	0.000		0	N.D.	d	
26) Pyrene	0.000		0	N.D.	d	
27) Benz[a]anthracene	0.000		0	N.D.	d	
28) Chrysene	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171523.D
Acq On : 17 Dec 2015 9:37 pm
Operator : BNA4:SF
Sample : I412171508
Misc : WG851049,MSAG91
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 18 11:50:37 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:50:35 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo[b]fluoranthene	0.000		0	N.D.	d	
33) Benzo[k]fluoranthene	0.000		0	N.D.	d	
34) Benzo[e]pyrene	0.000		0	N.D.	d	
35) Benzo[a]pyrene	0.000		0	N.D.	d	
36) Perylene	0.000		0	N.D.	d	
37) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
38) Dibenz[a,h]anthracene	0.000		0	N.D.	d	
39) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

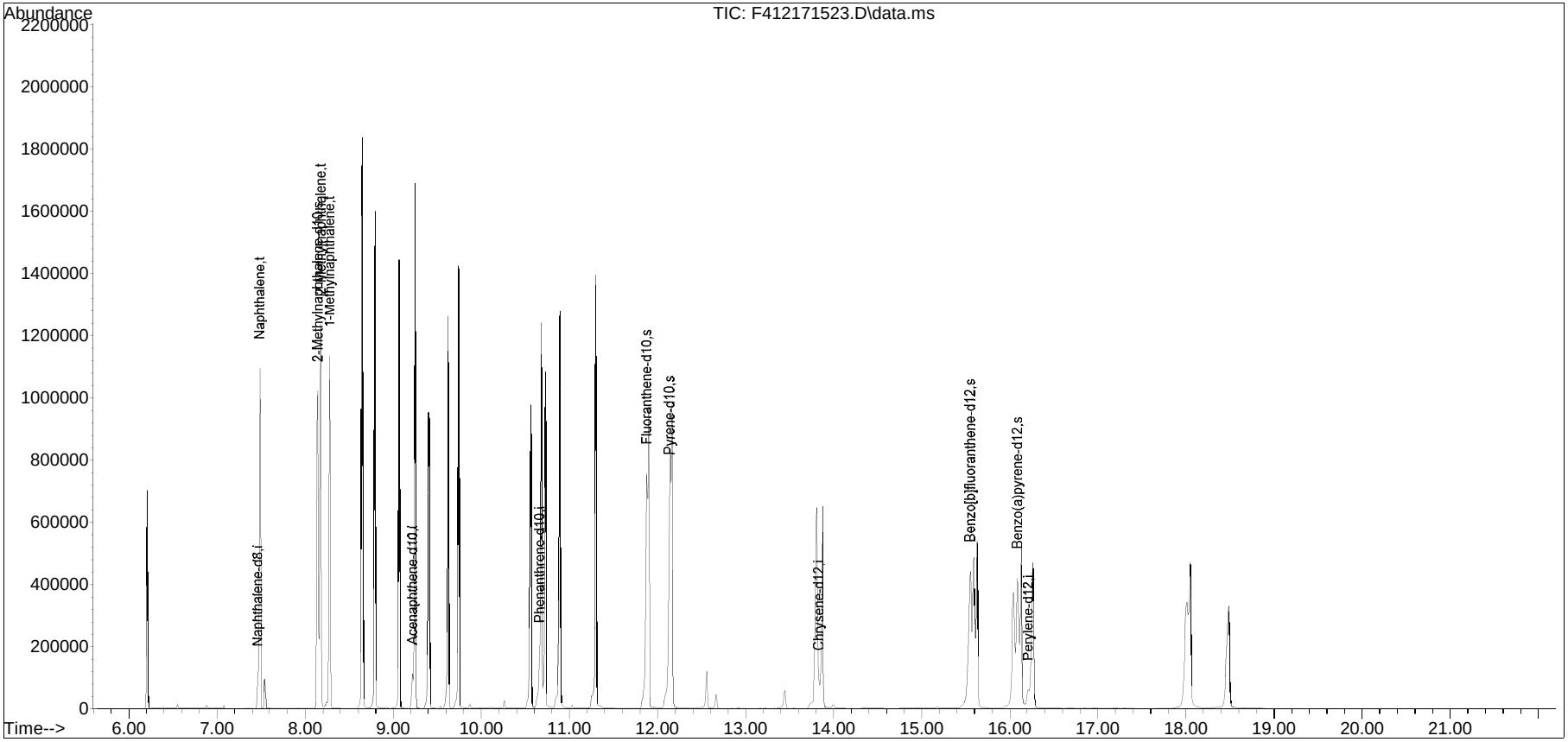
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171523.D
Acq On : 17 Dec 2015 9:37 pm
Operator : BNA4:SF
Sample : I412171508
Misc : WG851049,MSAG91
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 18 11:50:37 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:50:35 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\BNA4\2015\	QMethod	: PAH1217BNA4.M
Data File	: F412171523.D	Operator	: BNA4:SF
Date Inj'd	: 12/17/2015 9:37 pm	Instrument	: BNA4
Sample	: I412171508	Quant Date	: 12/18/2015 11:50 am

There are no manual integrations or false positives in this file.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171524.D
Acq On : 17 Dec 2015 10:07 pm
Operator : BNA4:SF
Sample : CQ412171501
Misc : WG851049,MSAG34
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 18 11:50:40 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:50:38 2015
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	Naphthalene-d8	1.000	1.000	0.0	102	0.00
2	t	Naphthalene	1.054	1.027	2.6	102	0.00
3	t	1,4-Dichlorobenzene	0.441	0.389	11.8	96	0.00
4	s	2-Methylnaphthalene-d10	0.541	0.000#	100.0#	0#	-8.14#
5	t	2-Methylnaphthalene	0.661	0.666	-0.8	102	0.00
6	t	1-Methylnaphthalene	0.627	0.586	6.5	95	0.00
7	i	Acenaphthene-d10	1.000	1.000	0.0	104	0.00
8	t	Dibenzothiophene	2.024	1.918	5.2	94	0.00
9		2-Chloronaphthalene	1.400	1.342	4.1	97	0.00
10	t	Biphenyl	1.730	1.652	4.5	98	0.00
11	t	2,6-Dimethylnaphthalene	1.163	1.123	3.4	96	0.00
12	t	Acenaphthylene	1.993	2.026	-1.7	98	0.00
13	t	Acenaphthene	1.357	1.313	3.2	101	0.00
14	t	Dibenzofuran	1.905	1.790	6.0	97	0.00
15	t	Fluorene	1.461	1.436	1.7	98	0.00
16	t	2,3,5-Trimethylnaphthalene	1.023	0.965	5.7	92	0.00
17	i	Phenanthrene-d10	1.000	1.000	0.0	104	0.00
18	s	Fluoranthene-d10	0.799	0.000#	100.0#	0#	-11.87#
19	t	Phenanthrene	1.100	1.073	2.5	102	0.00
20	t	Anthracene	1.012	1.019	-0.7	100	0.00
21	t	Carbazole	0.974	1.010	-3.7	99	0.00
22	t	1-Methylphenanthrene	0.725	0.728	-0.4	95	0.00
23	t	Fluoranthene	1.093	1.130	-3.4	98	0.00
24	i	Chrysene-d12	1.000	1.000	0.0	105	0.00
25	s	Pyrene-d10	0.970	0.000#	100.0#	0#	-12.13#
26	t	Pyrene	1.494	1.427	4.5	94	0.00
27	t	Benz[a]anthracene	*500.000	458.650	8.3	96	0.00
28	t	Chrysene	1.161	1.114	4.0	100	0.00
29	i	Perylene-d12	1.000	1.000	0.0	105	0.00
30	s	Benzo(a)pyrene-d12	*500.000	0.000	100.0#	0	-16.06#
31	s	Benzo[b]fluoranthene-d12	0.819	0.000#	100.0#	0#	-15.53#
32	t	Benzo[b]fluoranthene	*500.000	418.572	16.3	86	0.00
33	t	Benzo[k]fluoranthene	*500.000	562.168	-12.4	118	0.00
34	t	Benzo[e]pyrene	*500.000	469.227	6.2	98	0.00
35	t	Benzo[a]pyrene	*500.000	459.792	8.0	97	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171524.D
Acq On : 17 Dec 2015 10:07 pm
Operator : BNA4:SF
Sample : CQ412171501
Misc : WG851049,MSAG34
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 18 11:50:40 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:50:38 2015
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36 t	Perylene	1.204	1.158	3.8	97	0.00
37 t	Indeno[1,2,3-cd]pyrene	*500.000	471.341	5.7	101	0.00
38 t	Dibenz[a,h]anthracene	*500.000	474.864	5.0	99	0.00
39 t	Benzo[g,h,i]perylene	*500.000	473.836	5.2	100	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.97	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.71	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171524.D
Acq On : 17 Dec 2015 10:07 pm
Operator : BNA4:SF
Sample : CQ412171501
Misc : WG851049,MSAG34
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 18 11:50:40 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:50:38 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.462	136	82993	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.221	164	39715	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.662	188	76950	500.000	ng/mL	0.00
24) Chrysene-d12	13.823	240	63198	500.000	ng/mL	0.00
29) Perylene-d12	16.203	264	52761	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	0.000	152	0d	0.000	ng/mL	
Spiked Amount 5000.000	Range 30 - 150		Recovery =	0.00%#		
18) Fluoranthene-d10	0.000	212	0d	0.000	ng/mL	
Spiked Amount 500.000	Range 30 - 150		Recovery =	0.00%#		
25) Pyrene-d10	0.000	212	0d	0.000	ng/mL	
Spiked Amount 5000.000	Range 50 - 150		Recovery =	0.00%#		
30) Benzo(a)pyrene-d12	0.000	264	0d	0.000	ng/mL	
Spiked Amount 500.000	Range 30 - 150		Recovery =	0.00%#		
31) Benzo[b]fluoranthene-d12	0.000	264	0d	0.000	ng/mL	
Spiked Amount 5000.000	Range 50 - 150		Recovery =	0.00%#		
Target Compounds						Qvalue
2) Naphthalene	7.484	128	85246	487.188	ng/mL	100
3) 1,4-Dichlorobenzene	6.205	146	32304	441.125	ng/mL	98
5) 2-Methylnaphthalene	8.167	142	55237	503.195	ng/mL	98
6) 1-Methylnaphthalene	8.276	142	48662	467.591	ng/mL	99
8) Dibenzothiophene	10.558	184	76172	473.724	ng/mL	92
9) 2-Chloronaphthalene	8.654	162	53306	479.371	ng/mL	100
10) Biphenyl	8.639	154	65592	477.312	ng/mL	97
11) 2,6-Dimethylnaphthalene	8.792	156	44582	482.509	ng/mL	99
12) Acenaphthylene	9.068	152	80479	508.446	ng/mL	99
13) Acenaphthene	9.250	153	52146	483.940	ng/mL	100
14) Dibenzofuran	9.402	168	71095	469.783	ng/mL#	74
15) Fluorene	9.742	166	57025	491.245	ng/mL	99
16) 2,3,5-Trimethylnaphthalen	9.624	170	38308	471.254	ng/mL	95
19) Phenanthrene	10.683	178	82568	487.658	ng/mL	99
20) Anthracene	10.724	178	78399	503.368	ng/mL	100
21) Carbazole	10.883	167	77727	518.663	ng/mL#	83
22) 1-Methylphenanthrene	11.298	192	55987	501.894	ng/mL	99
23) Fluoranthene	11.894	202	86925	516.603	ng/mL	100
26) Pyrene	12.151	202	90209	477.786	ng/mL	99
27) Benz[a]anthracene	13.795	228	68836	458.650	ng/mL	99
28) Chrysene	13.858	228	70383	479.732	ng/mL	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171524.D
Acq On : 17 Dec 2015 10:07 pm
Operator : BNA4:SF
Sample : CQ412171501
Misc : WG851049,MSAG34
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 18 11:50:40 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:50:38 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo[b]fluoranthene	15.571	252	62031	418.572	ng/mL	99
33) Benzo[k]fluoranthene	15.606	252	67731	562.168	ng/mL	99
34) Benzo[e]pyrene	16.022	252	58034	469.227	ng/mL	99
35) Benzo[a]pyrene	16.099	252	60624M4	459.792	ng/mL	
36) Perylene	16.237	252	61106	481.140	ng/mL	100
37) Indeno[1,2,3-cd]pyrene	17.979	276	54451M4	471.341	ng/mL	
38) Dibenz[a,h]anthracene	18.020	278	56507	474.864	ng/mL	98
39) Benzo[g,h,i]perylene	18.451	276	58851	473.836	ng/mL	98

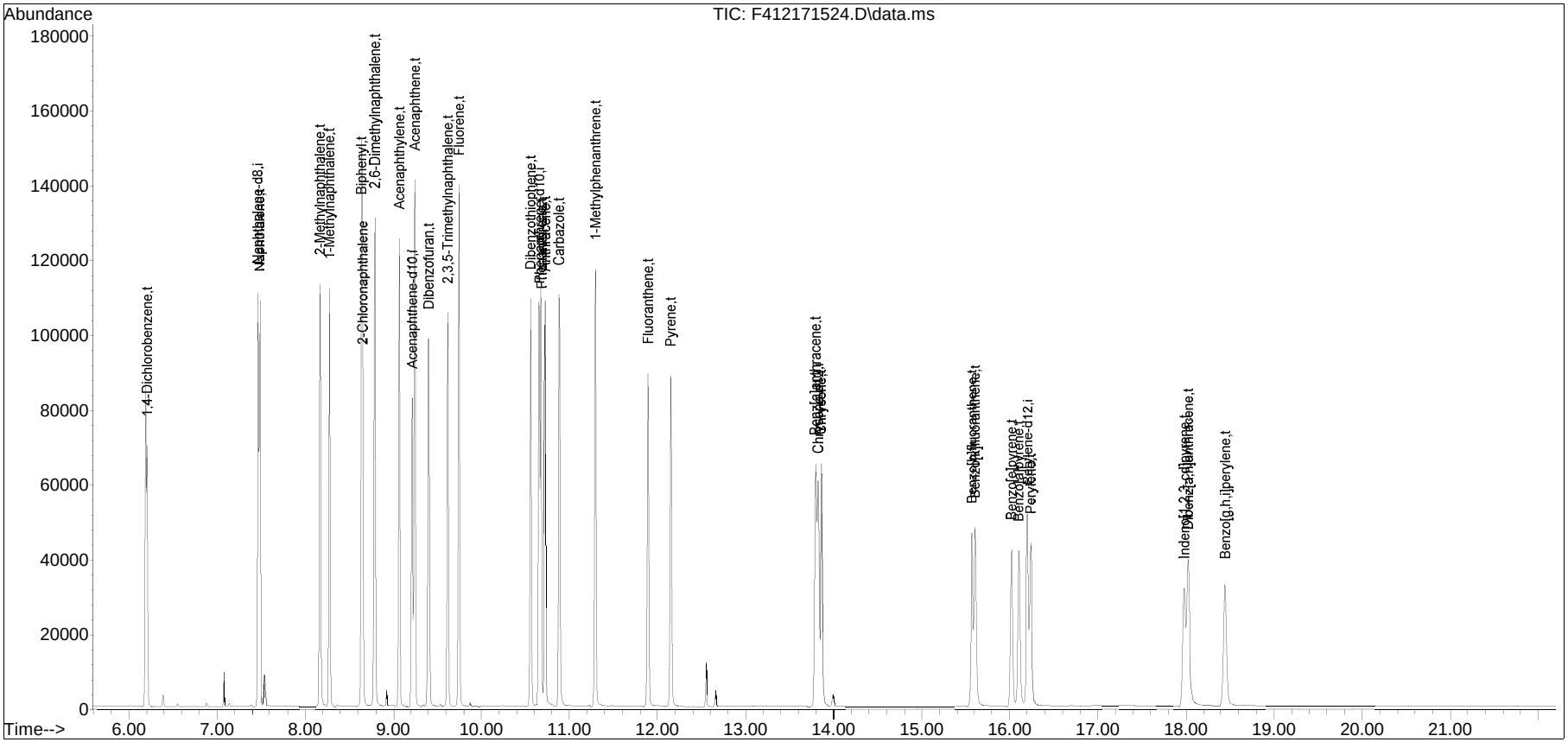
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC17\
Data File : F412171524.D
Acq On : 17 Dec 2015 10:07 pm
Operator : BNA4:SF
Sample : CQ412171501
Misc : WG851049,MSAG34
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 18 11:50:40 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC17\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 11:50:38 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

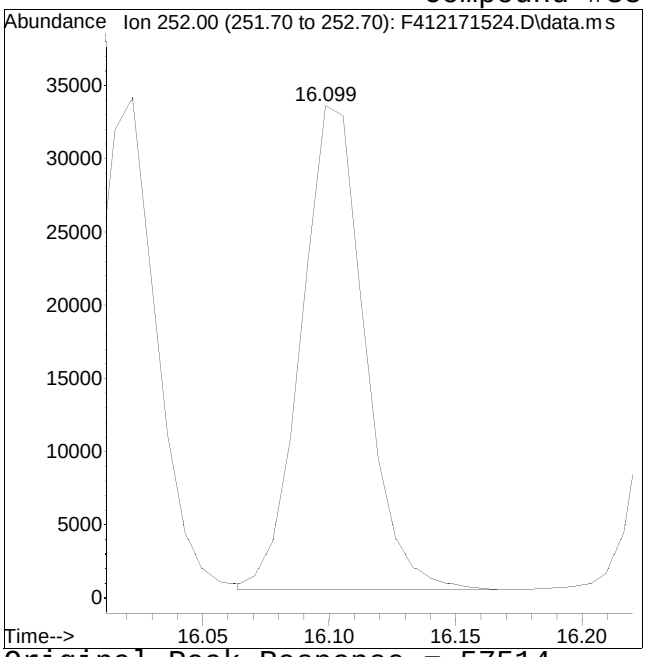


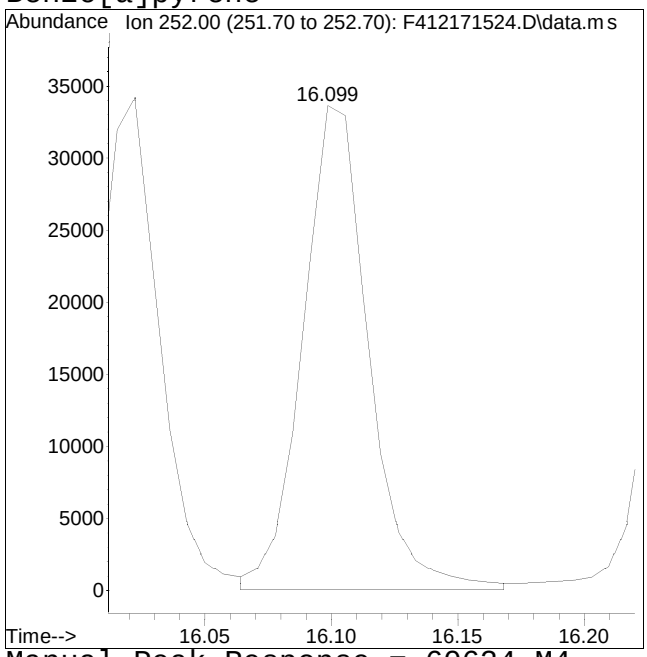
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\Q
Data File : F412171524.D
Date Inj'd : 12/17/2015 10:07 pm
Sample : CQ412171501

Method : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/18/2015 11:50 am

Compound #35: Benzo[a]pyrene



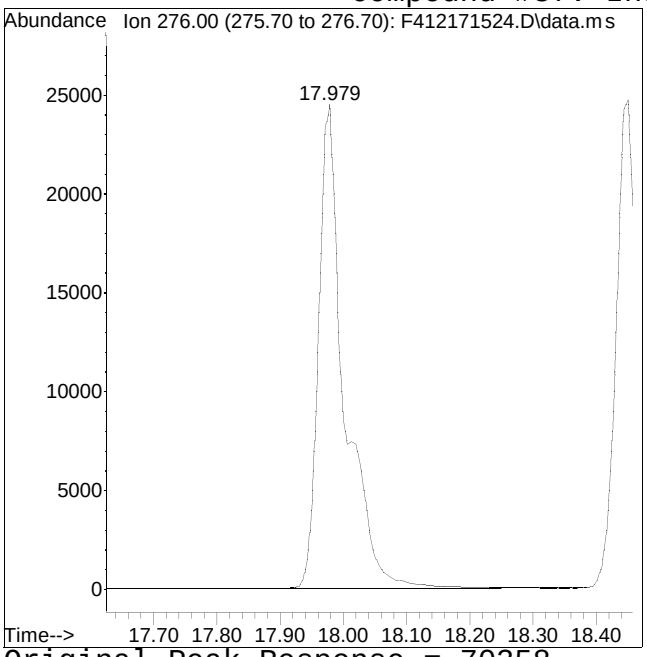


Original Peak Response = 57514 Manual Peak Response = 60624 M4
M4 = Poor automated baseline construction.

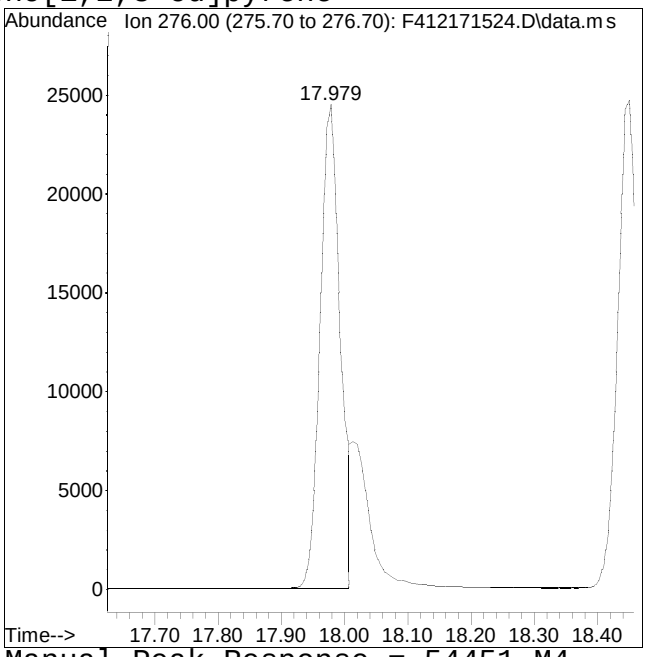
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412171524.D Operator : BNA4:SF
Date Inj'd : 12/17/2015 10:07 pm Instrument : BNA4
Sample : CQ412171501 Quant Date : 12/18/2015 11:50 am

Compound #37: Indeno[1,2,3-cd]pyrene



Original Peak Response = 70358



Manual Peak Response = 54451 M4

M4 = Poor automated baseline construction.

Work Group

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Jan 12 2016, 01:40 pm

Work Group: WG851972 for Department: 2 Organic Preparation

Created: 22-DEC-15 Due: Operator: ba

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1533592-01	SW-1A-20151217	S	A2-PAH-8270SIM	WATER	DONE	U	1224	0112	S0	Amber-A1
L1533592-02	SW-1B-20151217	S	A2-PAH-8270SIM	WATER	DONE	U	1224	0112	S0	Amber-A1
L1533592-03	SW-1C-20151217	S	A2-PAH-8270SIM	WATER	DONE	U	1224	0112	S0	Amber-A1
L1533592-04	SW-2A-20151217	S	A2-PAH-8270SIM	WATER	DONE	U	1224	0112	S0	Amber-A1
L1533592-05	SW-2B-20151217	S	A2-PAH-8270SIM	WATER	DONE	U	1224	0112	S0	Amber-A1
L1533592-06	SW-2C-20151217	S	A2-PAH-8270SIM	WATER	DONE	U	1224	0112	S0	Amber-A1
L1533592-07	DUP-20151217	S	A2-PAH-8270SIM	WATER	DONE	U	1224	0112	S0	Amber-A1
L1533592-09	SW-3A-20151217	S	A2-PAH-8270SIM	WATER	DONE	U	1224	0112	S0	Amber-A1
L1533592-10	SW-3B-20151217	S	A2-PAH-8270SIM	WATER	DONE	U	1224	0112	S0	Amber-A1
L1533592-11	SW-3C-20151217	S	A2-PAH-8270SIM	WATER	DONE	U	1224	0112	S0	Amber-A1
L1533592-12	EB20151217	S	A2-PAH-8270SIM	WATER	DONE	U	1224	0112	S0	Amber-A1
WG851972-1	Laboratory Method Bl	S	A2-PAH-8270SIM	WATER	DONE	U				
WG851972-2	Laboratory Control S	S	A2-PAH-8270SIM	WATER	DONE	U				
WG851972-3	LCS Duplicate	S	A2-PAH-8270SIM	WATER	DONE	U				
WG851972-4	Matrix Spike	S	A2-PAH-8270SIM	WATER	DONE	U				
WG851972-5	Matrix Spike Duplica	S	A2-PAH-8270SIM	WATER	DONE	U				

Comments:

WG851972-3	WG851972-2
WG851972-4	L1533592-05
WG851972-5	L1533592-05

Sequence Logs

Analysis log File

Total Files Reported in Log : 37
Log Generated From Directory: O:\Organics\DATA\BNA4\2015\DEC\DEC17\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F412171501.D	DFTPPBNA4.M	TUNE	MSAG73	12/17/2015 9:15 am
2	F412171502.D	PAHSIMBNA4.M	CCV	MSAG97	12/17/2015 9:45 am
3	F412171503.D	PCBTUNEBNA4.	TUNE	MSAG73	12/17/2015 11:31 am
4	F412171504.D	RIMBNA4.M	I412171501	MSAG96	12/17/2015 11:54 am
5	F412171505.D	RIMBNA4.M	I412171502	MSAG95	12/17/2015 12:24 pm
6	F412171506.D	RIMBNA4.M	I412171503	MSAG94	12/17/2015 12:55 pm
7	F412171507.D	RIMBNA4.M	I412171504	MSAG93	12/17/2015 1:25 pm
8	F412171508.D	RIMBNA4.M	I412171505	MSAG97	12/17/2015 1:56 pm
9	F412171509.D	RIMBNA4.M	I412171506	MSAG92	12/17/2015 2:26 pm
10	F412171510.D	RIMBNA4.M	I412171507	MSAG90,X5	12/17/2015 2:57 pm
11	F412171511.D	RIMBNA4.M	I412171508	MSAG91	12/17/2015 3:28 pm
12	F412171512.D	RIMBNA4.M	I412171509	MSAG90	12/17/2015 3:58 pm
13	F412171513.D	RIMBNA4.M	CQ412171501	MSAG34	12/17/2015 4:29 pm
14	F412171514.D	RIMBNA4.M	CQ412171502	MSAH01	12/17/2015 5:00 pm
15	F412171515.D	DFTPPBNA4.M	T412171501 TUNE OK✓	WG851049,MSAG73	12/17/2015 5:31 pm
16	F412171516.D	PAHSIMBNA4.M	I412171501	WG851049,MSAG96	12/17/2015 6:02 pm
17	F412171517.D	PAHSIMBNA4.M	I412171502	WG851049,MSAG95	12/17/2015 6:33 pm
18	F412171518.D	PAHSIMBNA4.M	I412171503	WG851049,MSAG94	12/17/2015 7:03 pm
19	F412171519.D	PAHSIMBNA4.M	I412171504	WG851049,MSAG93	12/17/2015 7:34 pm
20	F412171520.D	PAHSIMBNA4.M	I412171505 PAH12171BNA4	WG851049,MSAG97	12/17/2015 8:05 pm
21	F412171521.D	PAHSIMBNA4.M	I412171506	WG851049,MSAG92	12/17/2015 8:36 pm
22	F412171522.D	PAHSIMBNA4.M	I412171507	WG851049,MSAG90,X5	12/17/2015 9:06 pm
23	F412171523.D	PAHSIMBNA4.M	I412171508	WG851049,MSAG91	12/17/2015 9:37 pm
24	F412171524.D	PAHSIMBNA4.M	CQ412171501 ICV OK	WG851049,MSAG34	12/17/2015 10:07 pm
25	F412171525.D	DFTPPBNA4.M	WG848643-2	WG848643,MSAG73	12/17/2015 10:37 pm
26	F412171526.D	PAHSIMBNA4.M	WG848643-3	WG848643,MSAG97	12/17/2015 11:08 pm
27	F412171527.D	PAHSIMBNA4.M	WG847996-1	WG848643,WG847996,IC..	12/17/2015 11:38 pm
28	F412171528.D	PAHSIMBNA4.M	WG847996-2	WG848643,WG847996,IC..	12/18/2015 12:09 am
29	F412171529.D	PAHSIMBNA4.M	WG847996-3	WG848643,WG847996,IC..	12/18/2015 12:39 am
30	F412171530.D	PAHSIMBNA4.M	L1532016-01	WG848643,WG847996,IC..	12/18/2015 1:09 am
31	F412171531.D	PAHSIMBNA4.M	L1532016-02		12/18/2015 1:40 am
32	F412171532.D	PAHSIMBNA4.M	L1532016-03D,32,2	WG848643,WG847996,IC..	12/18/2015 2:10 am
33	F412171533.D	PAHSIMBNA4.M	L1532016-04D,32,5	WG848643,WG847996,IC..	12/18/2015 2:40 am
34	F412171534.D	PAHSIMBNA4.M	L1532016-05D,32,250	WG848643,WG847996,IC..	12/18/2015 3:11 am
35	F412171535.D	PAHSIMBNA4.M	L1532016-06D,32,2	WG848643,WG847996,IC..	12/18/2015 3:41 am
36	F412171536.D	PAHSIMBNA4.M	L1532016-07D,32,25	WG848643,WG847996,IC..	12/18/2015 4:11 am
37	F412171537.D	PAHSIMBNA4.M	L1532016-08	WG848643,WG847996,IC..	12/18/2015 4:42 am

ICAL11859

12/28/15
JW

Printed: 12/18/15

SeqLog 1.0 - (c) 2009 Abacus Database Applications

Analysis log File

Total Files Reported in Log : 30
Log Generated From Directory: O:\Organics\DATA\BNA4\2015\DEC\DEC22\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F412221501.D	DFTPPBNA4.M	WG852216-1	WG852216,MSAG73	12/22/2015 2:04 pm
2	F412221502.D	PAHSIMBNA4.M	WG852216-3	WG852216,MSAG97	12/22/2015 2:35 pm
3	F412221503.D	PAHSIMBNA4.M	WG851645-1	WG852216,WG851645..	12/22/2015 3:57 pm
4	F412221504.D	PAHSIMBNA4.M	WG851645-2	WG852216,WG851645..	12/22/2015 4:27 pm
5	F412221505.D	PAHSIMBNA4.M	L1533485-01	WG852216,WG851645..	12/22/2015 4:57 pm
6	F412221506.D	PAHSIMBNA4.M	L1533485-02	WG852216,WG851645..	12/22/2015 5:27 pm
7	F412221507.D	PAHSIMBNA4.M	L1533485-03	WG852216,WG851645..	12/22/2015 5:57 pm
8	F412221508.D	PAHSIMBNA4.M	L1533485-04	WG852216,WG851645..	12/22/2015 6:27 pm
9	F412221509.D	PAHSIMBNA4.M	L1533485-05	WG852216,WG851645..	12/22/2015 6:57 pm
10	F412221510.D	DFTPPBNA4.M	WG852216-5 /H DEG/Tune ✓	WG852216,MSAG73	12/22/2015 7:28 pm
11	F412221511.D	PAHSIMBNA4.M	WG852216-6 CCV OK ✓	WG852216,MSAG97	12/22/2015 7:58 pm
12	F412221512.D	PAHSIMBNA4.M	WG851974-1 WG851972-1	WG852216,WG851974..	12/22/2015 8:28 pm
13	F412221513.D	PAHSIMBNA4.M	WG851974-2 (+)WG851972-2 ✓	WG852216,WG851974..	12/22/2015 8:59 pm
14	F412221514.D	PAHSIMBNA4.M	WG851974-3 WG851972-3	WG852216,WG851974..	12/22/2015 9:29 pm
15	F412221515.D	PAHSIMBNA4.M	L1533592-01 ✓	WG852216,WG851972..	12/22/2015 10:00 pm
16	F412221516.D	PAHSIMBNA4.M	L1533592-02 ✓	WG852216,WG851972..	12/22/2015 10:30 pm
17	F412221517.D	PAHSIMBNA4.M	L1533592-03 ✓	WG852216,WG851972..	12/22/2015 11:01 pm
18	F412221518.D	PAHSIMBNA4.M	L1533592-04 ✓	WG852216,WG851972..	12/22/2015 11:31 pm
19	F412221519.D	PAHSIMBNA4.M	L1533592-05 ✓	WG852216,WG851972..	12/23/2015 12:02 am
20	F412221520.D	PAHSIMBNA4.M	WG851972-4 MS ✓	WG852216,WG851972..	12/23/2015 12:32 am
21	F412221521.D	PAHSIMBNA4.M	WG851972-5 MSD ✓	WG852216,WG851972..	12/23/2015 1:02 am
22	F412221522.D	PAHSIMBNA4.M	L1533592-06 ✓	WG852216,WG851972..	12/23/2015 1:33 am
23	F412221523.D	PAHSIMBNA4.M	L1533592-07 ✓	WG852216,WG851972..	12/23/2015 2:04 am
24	F412221524.D	PAHSIMBNA4.M	L1533592-09 ✓	WG852216,WG851972..	12/23/2015 2:34 am
25	F412221525.D	PAHSIMBNA4.M	L1533592-10	WG852216,WG851972..	12/23/2015 3:04 am
26	F412221526.D	PAHSIMBNA4.M	L1533592-11	WG852216,WG851972..	12/23/2015 3:34 am
27	F412221527.D	PAHSIMBNA4.M	L1533592-12	WG852216,WG851972..	12/23/2015 4:05 am
28	F412221528.D	PAHSIMBNA4.M	L1533717-01	WG852216,WG851974..	12/23/2015 4:35 am
29	F412221529.D	PAHSIMBNA4.M	L1533717-02	WG852216,WG851974..	12/23/2015 5:05 am
30	F412221530.D	PAHSIMBNA4.M	L1533717-03	WG852216,WG851974..	12/23/2015 5:35 am

Re-analyze POOR INJ. SYRINGE ISSUE

1/12/16
JW

Analysis log File

Total Files Reported in Log : 18
Log Generated From Directory: O:\Organics\DATA\BNA4\2015\DEC\DEC23\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F412231501.D	DFTPPBNA4.M	WG852216-8 17 DEG/TUNE ✓	WG852216,MSAG73	12/23/2015 11:46 am
2	F412231502.D	PAHSIMBNA4.M	WG852216-9 CCV OK ✓	WG852216,MSAG97	12/23/2015 12:16 pm
3	F412231503.D	PAHSIMBNA4.M	L1533592-10 ✓	WG852216,WG851972..	12/23/2015 1:10 pm
4	F412231504.D	PAHSIMBNA4.M	L1533592-11 ✓	WG852216,WG851972..	12/23/2015 1:40 pm
5	F412231505.D	PAHSIMBNA4.M	L1533592-12 ✓	WG852216,WG851972..	12/23/2015 2:11 pm
6	F412231506.D	PAHSIMBNA4.M	L1533717-01	WG852216,WG851974..	12/23/2015 2:41 pm
7	F412231507.D	PAHSIMBNA4.M	L1533717-02	WG852216,WG851974..	12/23/2015 3:12 pm
8	F412231508.D	PAHSIMBNA4.M	L1533717-03	WG852216,WG851974..	12/23/2015 3:42 pm
9	F412231509.D	PAHSIMBNA4.M	WG853312-1	WG853328,WG853312..	12/23/2015 4:12 pm
10	F412231510.D	PAHSIMBNA4.M	WG853312-2	WG853328,WG853312..	12/23/2015 4:42 pm
11	F412231511.D	PAHSIMBNA4.M	WG853312-3	WG853328,WG853312..	12/23/2015 5:12 pm
12	F412231512.D	PAHSIMBNA4.M	L1531205-10	WG853328,WG853315..	12/23/2015 5:43 pm
13	F412231513.D	PAHSIMBNA4.M	L1532733-01	WG853328,WG853312..	12/23/2015 6:13 pm
14	F412231514.D	PAHSIMBNA4.M	L1533717-04	WG852216,WG853326..	12/23/2015 6:43 pm
15	F412231515.D	PAHSIMBNA4.M	L1533717-05	WG852216,WG853326..	12/23/2015 7:13 pm
16	F412231516.D	PAHSIMBNA4.M	L1533717-06	WG852216,WG853326..	12/23/2015 7:43 pm
17	F412231517.D	PAHSIMBNA4.M	L1533717-07	WG852216,WG853326..	12/23/2015 8:13 pm
18	F412231518.D	PAHSIMBNA4.M	L1533717-08	WG852216,WG853326..	12/23/2015 8:44 pm

1/12/16
JW

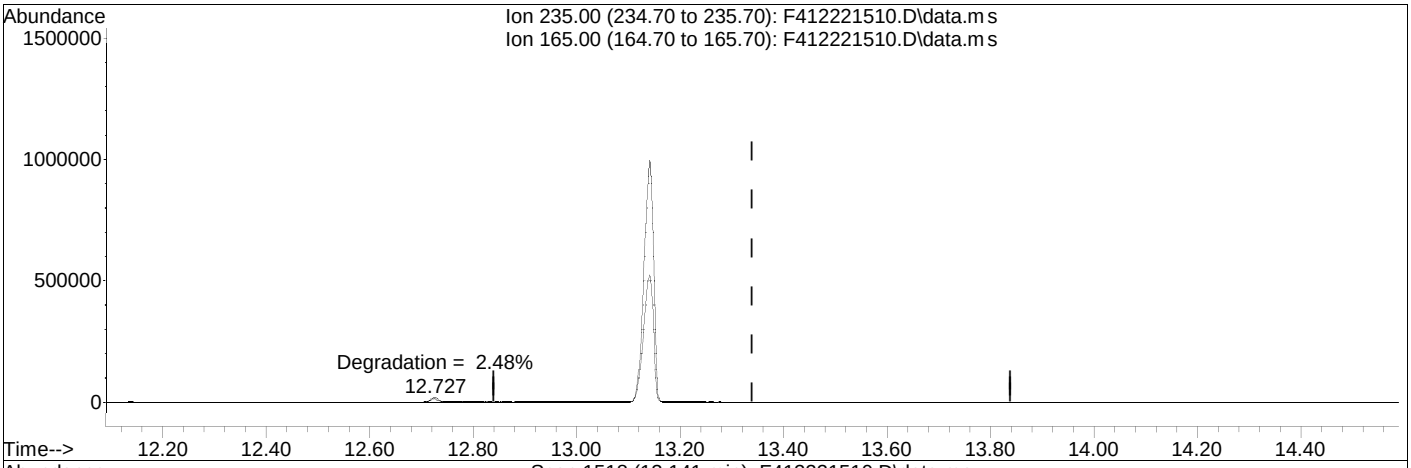
Analytical Event

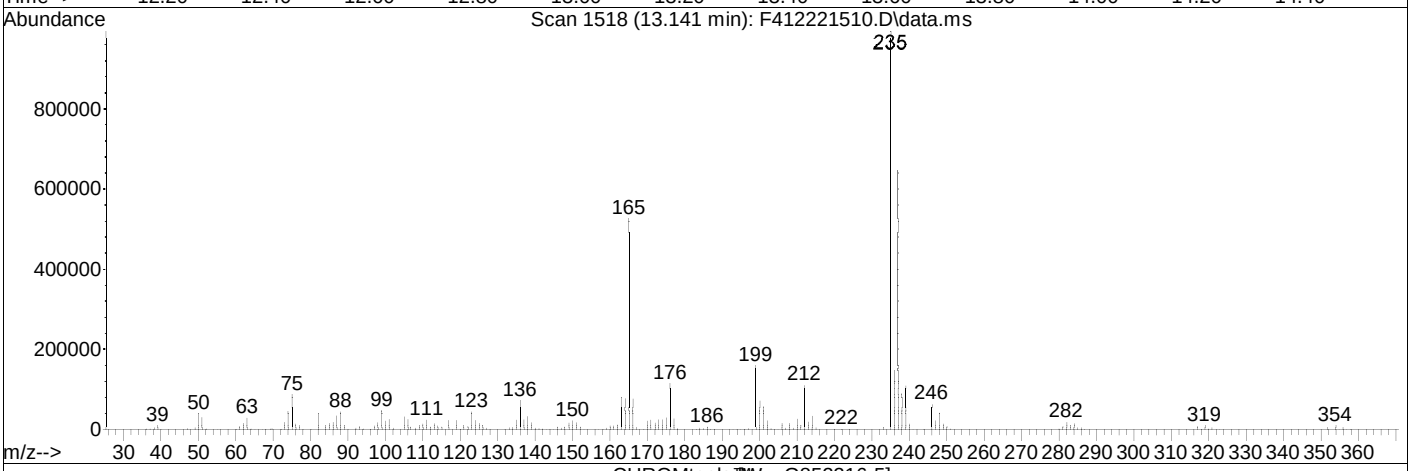
Degradation Check Standard

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221510.D
Acq On : 22 Dec 2015 7:28 pm
Operator : BNA4:SF
Sample : WG852216-5
Misc : WG852216,MSAG73
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 28 15:41:05 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\DFTPPBNA4.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 20 09:25:01 2015
Response via : Initial Calibration





CHROMtools TW G852216-5]

(4) DDT ( )

13.141min (-0.198) 0.00

response 1200797

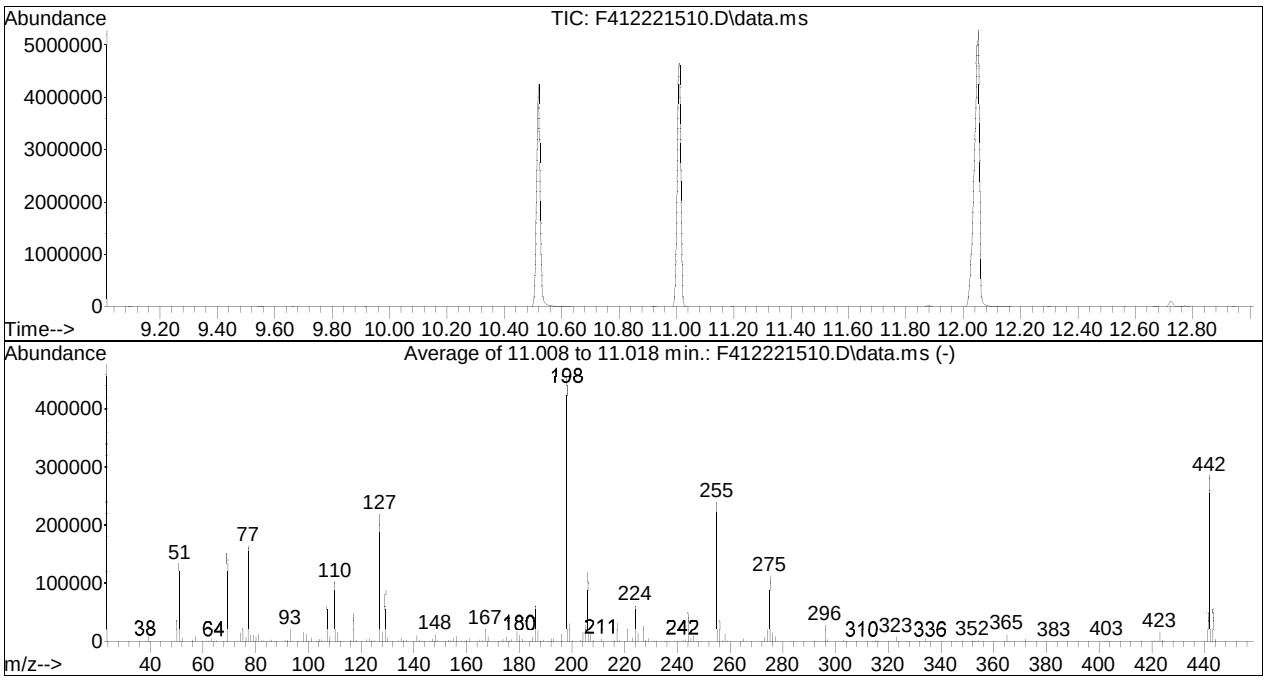
Ion	Exp%	Act%
235.00	100	100
165.00	39.30	56.03#
0.00	0.00	0.00
0.00	0.00	0.00

Continuing Calibration
DFTPP Tune

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221510.D
Acq On : 22 Dec 2015 7:28 pm
Operator : BNA4:SF
Sample : WG852216-4
Misc : WG852216,MSAG73
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Title : PAH's by SIM
Last Update : Wed Dec 23 09:35:43 2015



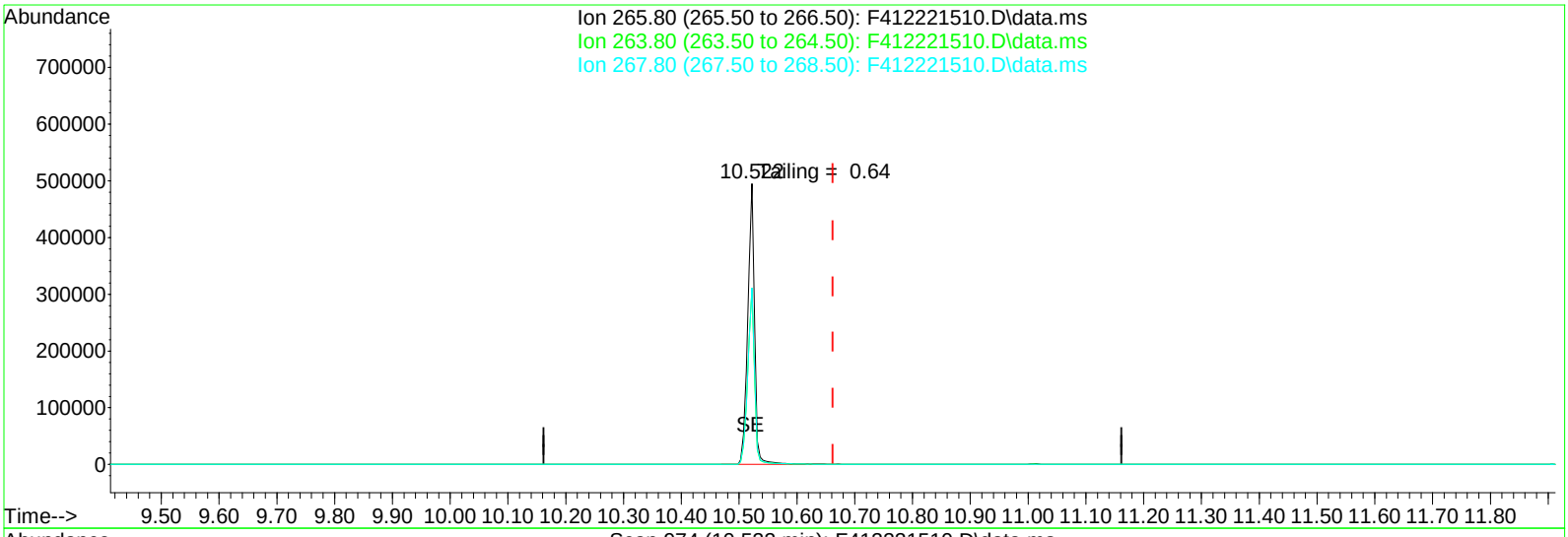
AutoFind: Scans 1075, 1076, 1077; Background Corrected with Scan 1068

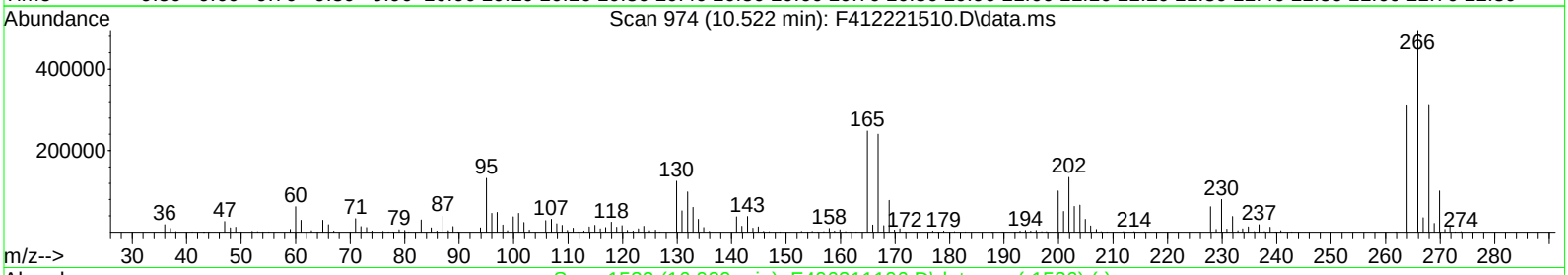
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	29.5	133925	PASS
68	69	0.00	2	0.2	278	PASS
70	69	0.00	2	0.5	730	PASS
127	198	10	80	48.1	218475	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	454016	PASS
199	198	5	9	6.7	30250	PASS
275	198	10	60	24.7	112200	PASS
365	198	1	100	2.6	11734	PASS
441	442	0.01	24	17.5	49789	PASS
442	198	50	100	62.8	284907	PASS
443	442	15	24	19.7	56237	PASS

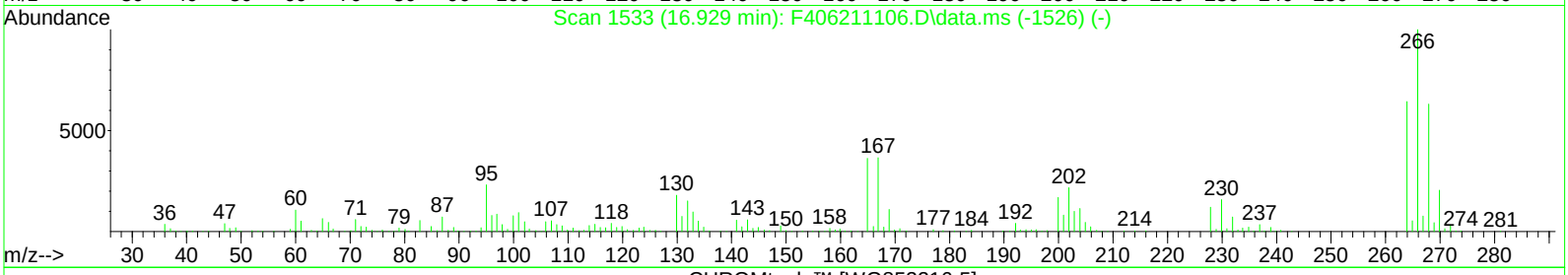
Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221510.D
Acq On : 22 Dec 2015 7:28 pm
Operator : BNA4:SF
Sample : WG852216-5
Misc : WG852216,MSAG73
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 28 15:41:05 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\DFTPPBNA4.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 20 09:25:01 2015
Response via : Initial Calibration







CHROMtools™ [WG852216-5]

(1) Pentachlorophenol (MC)

10.522min (-0.140) 7.71 ug/mL

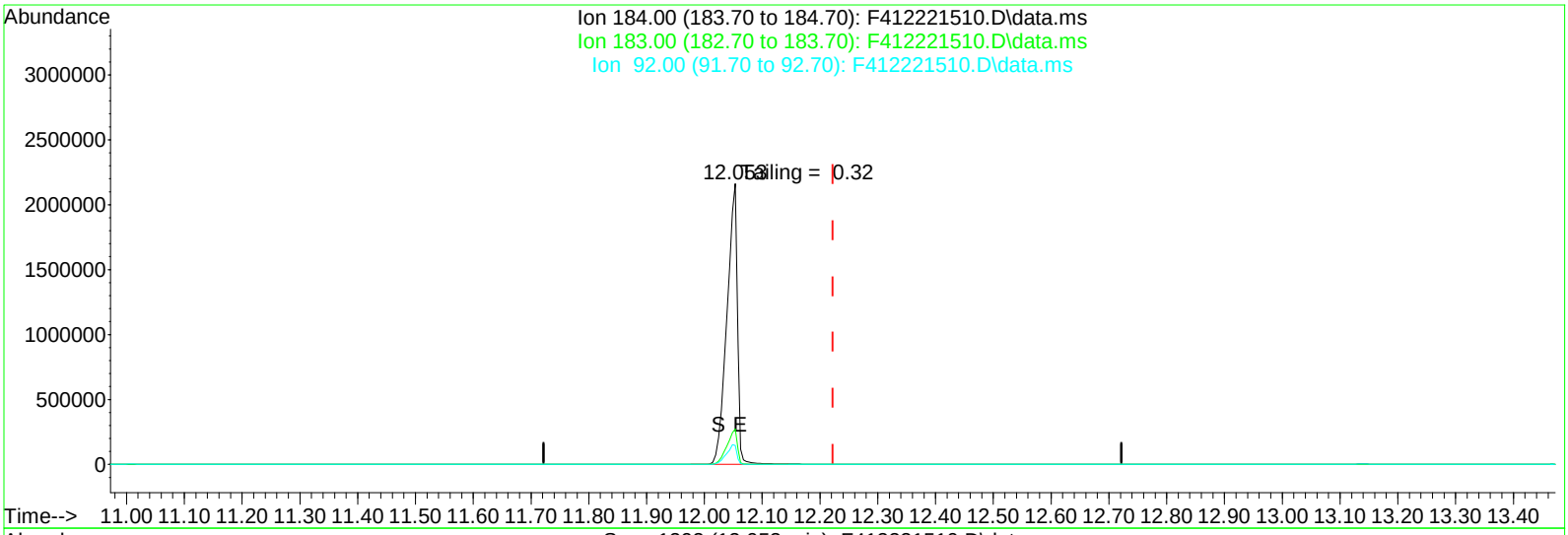
response 403652

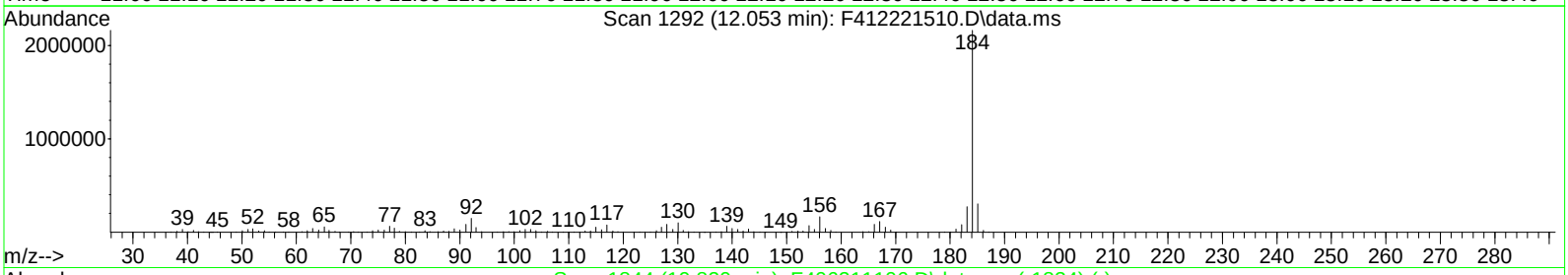
Ion	Exp%	Act%
265.80	100	100
263.80	63.50	62.55
267.80	63.50	63.39
0.00	0.00	0.00

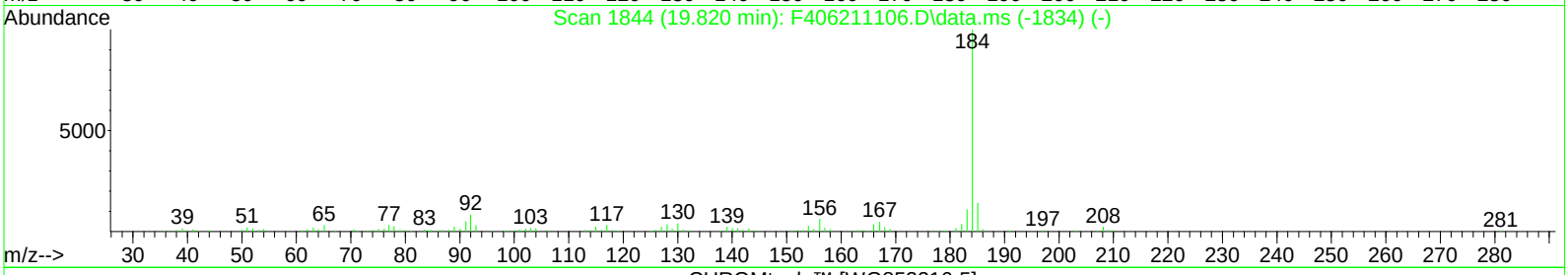
Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221510.D
Acq On : 22 Dec 2015 7:28 pm
Operator : BNA4:SF
Sample : WG852216-5
Misc : WG852216,MSAG73
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 28 15:41:05 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\DFTPPBNA4.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 20 09:25:01 2015
Response via : Initial Calibration







CHROMtools™ [WG852216-5]

(3) Benzidine (T)

12.053min (-0.169) 32.96 ug/mL

response 2681575 ~2 x >CAL (25)

Ion	Exp%	Act%
184.00	100	100
183.00	13.20	12.56
92.00	6.80	7.14
0.00	0.00	0.00

Continuing Calibration

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221511.D
Acq On : 22 Dec 2015 7:58 pm
Operator : BNA4:SF
Sample : WG852216-6
Misc : WG852216,MSAG97
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 28 15:42:40 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	Naphthalene-d8	1.000	1.000	0.0	109	0.00
2	t	Naphthalene	1.054	1.034	1.9	110	0.00
3	t	1,4-Dichlorobenzene	0.441	0.421	4.5	110	0.00
4	s	2-Methylnaphthalene-d10	0.541	0.561	-3.7	109	0.00
5	t	2-Methylnaphthalene	0.661	0.685	-3.6	112	0.00
6	t	1-Methylnaphthalene	0.627	0.645	-2.9	112	0.00
7	i	Acenaphthene-d10	1.000	1.000	0.0	112	0.00
8	t	Dibenzothiophene	2.024	2.134	-5.4	113	0.00
9		2-Chloronaphthalene	1.400	1.420	-1.4	110	0.00
10	t	Biphenyl	1.730	1.734	-0.2	111	0.00
11	t	2,6-Dimethylnaphthalene	1.163	1.214	-4.4	112	0.00
12	t	Acenaphthylene	1.993	2.236	-12.2	117	0.00
13	t	Acenaphthene	1.357	1.343	1.0	112	0.00
14	t	Dibenzofuran	1.905	1.872	1.7	110	0.00
15	t	Fluorene	1.461	1.542	-5.5	114	0.00
16	t	2,3,5-Trimethylnaphthalene	1.023	1.080	-5.6	112	0.00
17	i	Phenanthrene-d10	1.000	1.000	0.0	112	0.00
18	s	Fluoranthene-d10	0.799	0.887	-11.0	112	0.00
19	t	Phenanthrene	1.100	1.137	-3.4	116	0.00
20	t	Anthracene	1.012	1.181	-16.7	124	0.00
21	t	Carbazole	0.974	1.108	-13.8	117	0.00
22	t	1-Methylphenanthrene	0.725	0.813	-12.1	114	0.00
23	t	Fluoranthene	1.093	1.220	-11.6	113	0.00
24	i	Chrysene-d12	1.000	1.000	0.0	110	0.00
25	s	Pyrene-d10	0.970	1.072	-10.5	113	0.00
26	t	Pyrene	1.494	1.676	-12.2	116	0.00
27	t	Benz[a]anthracene	*500.000	520.325	-4.1	114	0.00
28	t	Chrysene	1.161	1.235	-6.4	115	0.00
29	i	Perylene-d12	1.000	1.000	0.0	114	0.00
30	s	Benzo(a)pyrene-d12	*500.000	512.179	-2.4	114	0.00
31	s	Benzo[b]fluoranthene-d12	0.819	0.906	-10.6	113	0.00
32	t	Benzo[b]fluoranthene	*500.000	487.967	2.4	108	0.00
33	t	Benzo[k]fluoranthene	*500.000	531.219	-6.2	120	0.00
34	t	Benzo[e]pyrene	*500.000	505.429	-1.1	113	0.00
35	t	Benzo[a]pyrene	*500.000	517.588	-3.5	118	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221511.D
Acq On : 22 Dec 2015 7:58 pm
Operator : BNA4:SF
Sample : WG852216-6
Misc : WG852216,MSAG97
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 28 15:42:40 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36 t	Perylene	1.204	1.277	-6.1	116	0.00
37 t	Indeno[1,2,3-cd]pyrene	*500.000	530.688	-6.1	123	0.00
38 t	Dibenz[a,h]anthracene	*500.000	507.146	-1.4	114	0.00
39 t	Benzo[g,h,i]perylene	*500.000	507.964	-1.6	115	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.98	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.73	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221511.D
Acq On : 22 Dec 2015 7:58 pm
Operator : BNA4:SF
Sample : WG852216-6
Misc : WG852216,MSAG97
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 28 15:42:40 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.440	136	88591	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.192	164	42927	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.637	188	82576	500.000	ng/mL	0.00
24) Chrysene-d12	13.791	240	65988	500.000	ng/mL	0.00
29) Perylene-d12	16.164	264	56880	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.116	152	49735	518.542	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 10.37%#			
18) Fluoranthene-d10	11.848	212	73267	555.082	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 111.02%			
25) Pyrene-d10	12.105	212	70737	552.420	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 11.05%#			
30) Benzo(a)pyrene-d12	16.025	264	44454	512.179	ng/mL	-0.01
Spiked Amount 500.000	Range 30 - 150		Recovery = 102.44%			
31) Benzo[b]fluoranthene-d12	15.498	264	51534	553.440	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 11.07%#			
Target Compounds						Qvalue
2) Naphthalene	7.462	128	91636	490.614	ng/mL	100
3) 1,4-Dichlorobenzene	6.183	146	37293	477.072	ng/mL	99
5) 2-Methylnaphthalene	8.145	142	60719	518.182	ng/mL	98
6) 1-Methylnaphthalene	8.254	142	57138	514.344	ng/mL	98
8) Dibenzothiophene	10.533	184	91599	527.041	ng/mL	98
9) 2-Chloronaphthalene	8.625	162	60955	507.141	ng/mL	99
10) Biphenyl	8.617	154	74445	501.200	ng/mL	98
11) 2,6-Dimethylnaphthalene	8.770	156	52094	521.624	ng/mL	99
12) Acenaphthylene	9.039	152	95971	560.952	ng/mL	98
13) Acenaphthene	9.221	153	57659	495.064	ng/mL	96
14) Dibenzofuran	9.380	168	80357	491.253	ng/mL	98
15) Fluorene	9.716	166	66203	527.636	ng/mL	98
16) 2,3,5-Trimethylnaphthalen	9.599	170	46366	527.703	ng/mL	94
19) Phenanthrene	10.657	178	93877	516.675	ng/mL	100
20) Anthracene	10.699	178	97523	583.494	ng/mL	100
21) Carbazole	10.865	167	91505	569.001	ng/mL	100
22) 1-Methylphenanthrene	11.273	192	67120	560.701	ng/mL	99
23) Fluoranthene	11.869	202	100729	557.855	ng/mL	99
26) Pyrene	12.126	202	110623	561.135	ng/mL	97
27) Benz[a]anthracene	13.763	228	81634	520.325	ng/mL	99
28) Chrysene	13.826	228	81473	531.843	ng/mL	100

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221511.D
Acq On : 22 Dec 2015 7:58 pm
Operator : BNA4:SF
Sample : WG852216-6
Misc : WG852216,MSAG97
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 28 15:42:40 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo[b]fluoranthene	15.532	252	78147	487.967	ng/mL	100
33) Benzo[k]fluoranthene	15.574	252	68980	531.219	ng/mL	99
34) Benzo[e]pyrene	15.983	252	67442	505.429	ng/mL	99
35) Benzo[a]pyrene	16.067	252	73676M4	517.588	ng/mL	
36) Perylene	16.205	252	72646	530.583	ng/mL	100
37) Indeno[1,2,3-cd]pyrene	17.933	276	66190M4	530.688	ng/mL	
38) Dibenz[a,h]anthracene	17.974	278	65104	507.146	ng/mL	95
39) Benzo[g,h,i]perylene	18.405	276	68061	507.964	ng/mL	98

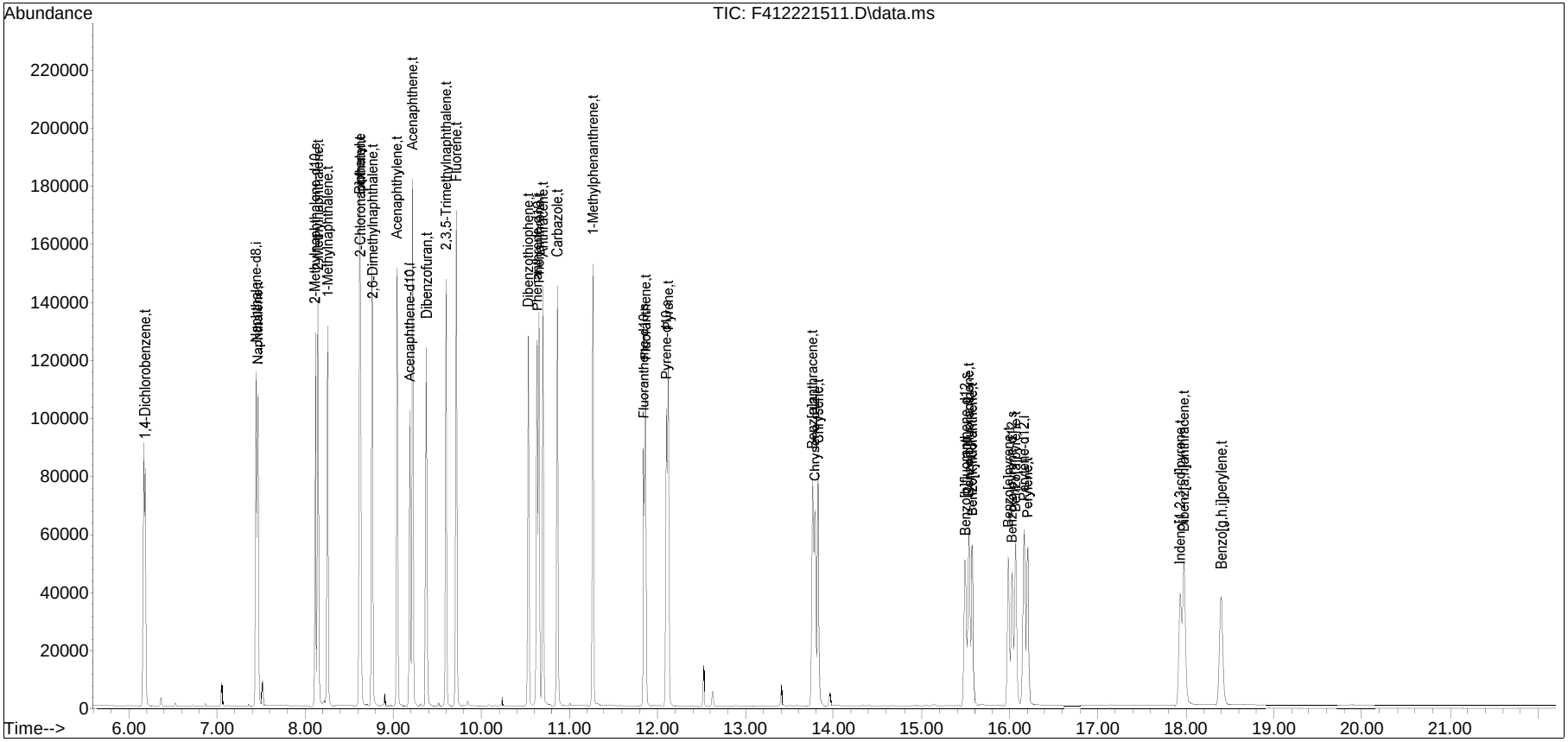
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221511.D
Acq On : 22 Dec 2015 7:58 pm
Operator : BNA4:SF
Sample : WG852216-6
Misc : WG852216,MSAG97
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 28 15:42:40 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed



Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221515.D
Acq On : 22 Dec 2015 10:00 pm
Operator : BNA4:SF
Sample : L1533592-01
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 28 16:27:33 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.440	136	87982	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.191	164	42562	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.637	188	81807	500.000	ng/mL	0.00
24) Chrysene-d12	13.784	240	66242	500.000	ng/mL	-0.01
29) Perylene-d12	16.164	264	57550	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.116	152	32030	336.259	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 6.73%#			
25) Pyrene-d10	12.105	212	51622	401.596	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.03%#			
31) Benzo[b]fluoranthene-d12	15.491	264	36236	384.620	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 7.69%#			
Target Compounds						Qvalue
2) Naphthalene	7.462	128	979M4	5.278	ng/mL	
5) 2-Methylnaphthalene	8.145	142	172M4	1.478	ng/mL	
12) Acenaphthylene	9.039	152	77	N.D.		
13) Acenaphthene	9.221	153	55	N.D.		
15) Fluorene	9.716	166	95M4	0.764	ng/mL	
19) Phenanthrene	10.657	178	434	2.411	ng/mL#	22
20) Anthracene	10.699	178	44	N.D.		
23) Fluoranthene	11.869	202	231M4	1.291	ng/mL	
26) Pyrene	12.126	202	137M4	0.692	ng/mL	
27) Benz[a]anthracene	13.784	228	221M4	5.814	ng/mL	
28) Chrysene	13.819	228	62	N.D.		
32) Benzo[b]fluoranthene	15.532	252	54M4	7.244	ng/mL	
33) Benzo[k]fluoranthene	15.567	252	57M4	3.032	ng/mL	
35) Benzo[a]pyrene	16.060	252	35M4	5.970	ng/mL	
37) Indeno[1,2,3-cd]pyrene	17.940	276	44M4	6.440	ng/mL	
38) Dibenz[a,h]anthracene	17.967	278	15M4	5.125	ng/mL	
39) Benzo[g,h,i]perylene	18.398	276	37M4	4.985	ng/mL	

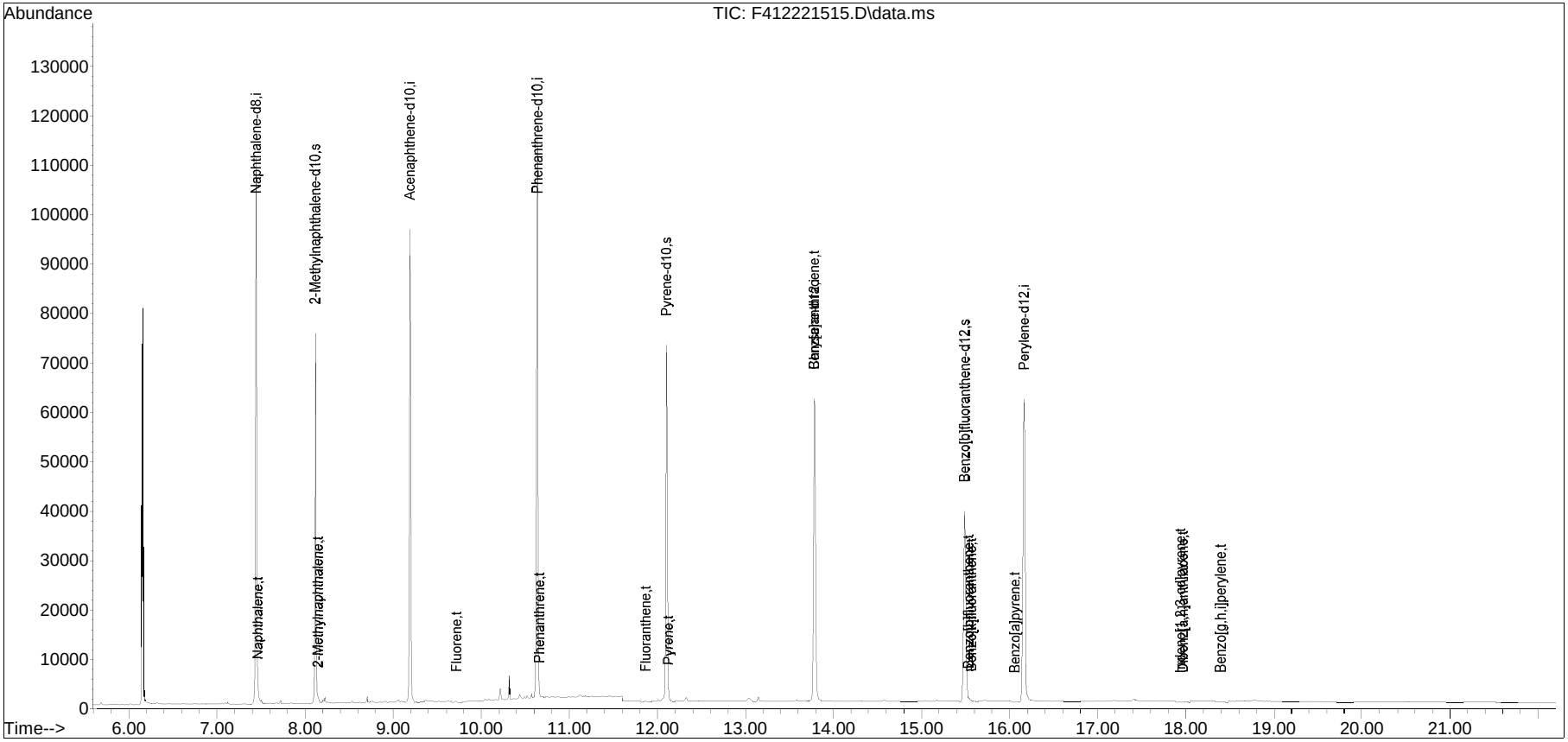
(#) = qualifier out of range (m) = manual integration (+) = signals summed

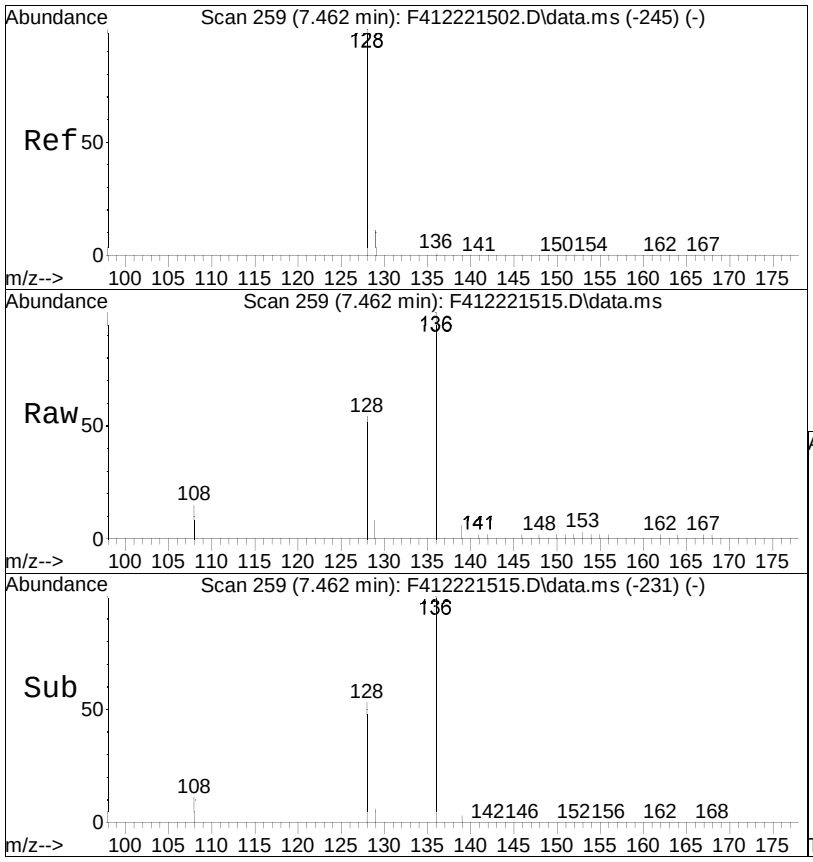
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221515.D
Acq On : 22 Dec 2015 10:00 pm
Operator : BNA4:SF
Sample : L1533592-01
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 28 16:27:33 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

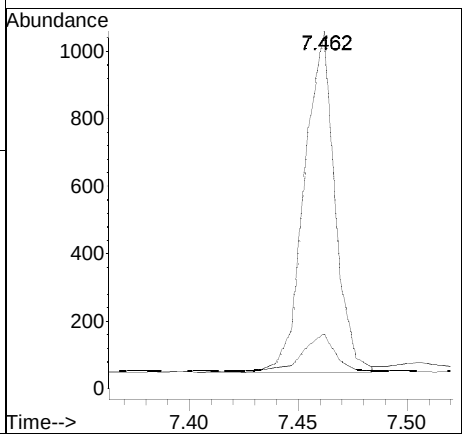


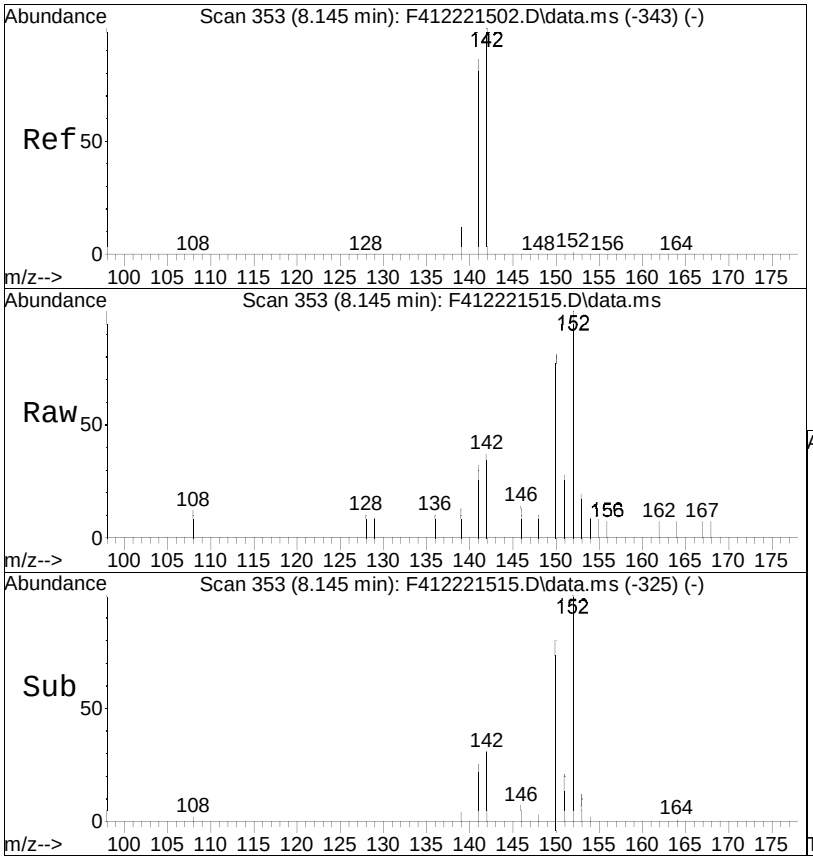


#2
Naphthalene
Concen: 5.28 ng/mL M4
RT: 7.462 min Scan# 259
Delta R.T. 0.000 min
Lab File: F412221515.D
Acq: 22 Dec 2015 10:00 pm

Tgt Ion:128 Resp: 979

Ion	Ratio	Lower	Upper
128	100		
129	15.3	8.7	13.1#

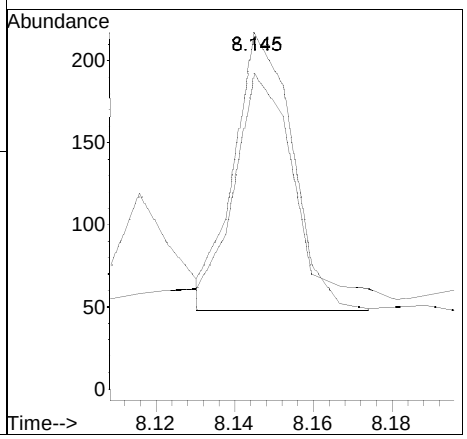


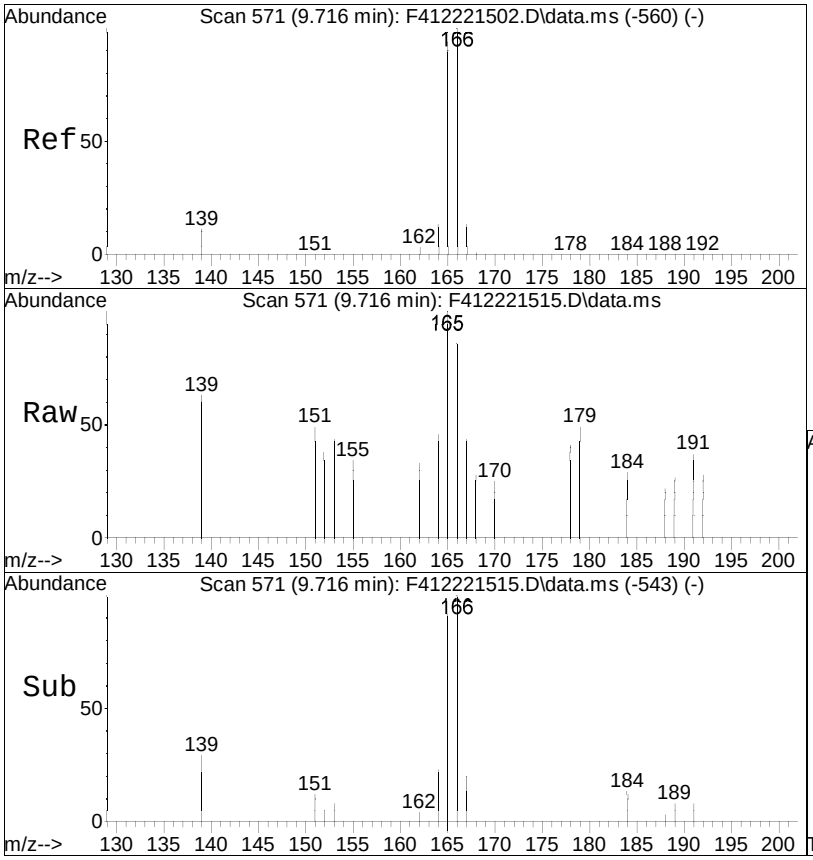


#5
2-Methylnaphthalene
Concen: 1.48 ng/mL M4
RT: 8.145 min Scan# 353
Delta R.T. 0.000 min
Lab File: F412221515.D
Acq: 22 Dec 2015 10:00 pm

Tgt Ion:142 Resp: 172

Ion	Ratio	Lower	Upper
142	100		
141	88.5	68.8	103.2

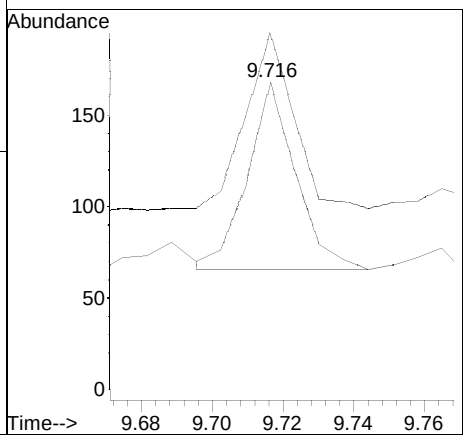


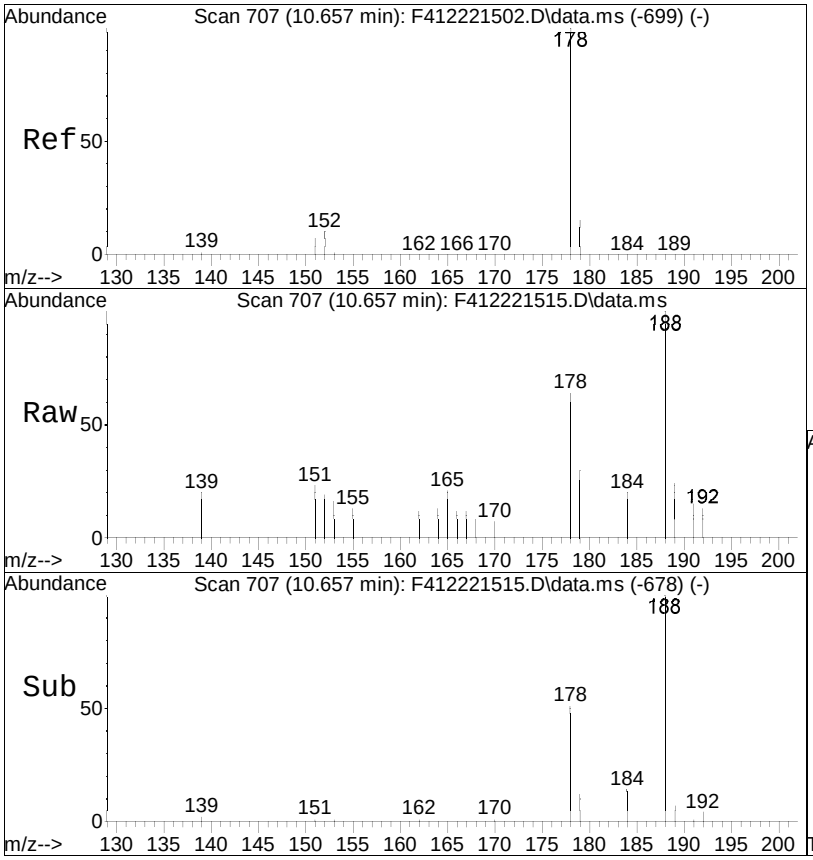


#15
Fluorene
Concen: 0.76 ng/mL M4
RT: 9.716 min Scan# 571
Delta R.T. -0.004 min
Lab File: F412221515.D
Acq: 22 Dec 2015 10:00 pm

Tgt Ion:166 Resp: 95

Ion	Ratio	Lower	Upper
166	100		
165	116.1	73.2	109.8#

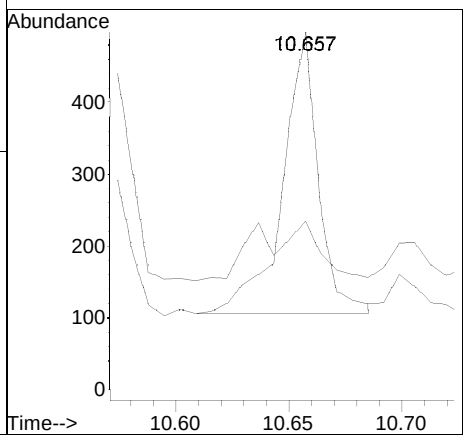


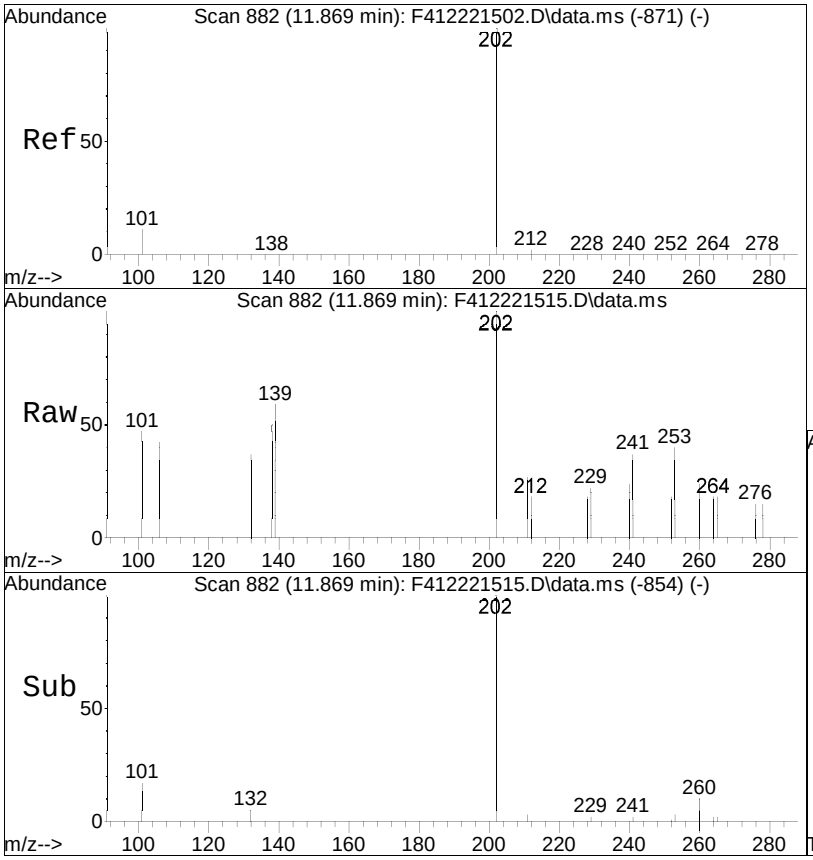


#19
Phenanthrene
Concen: 2.41 ng/mL
RT: 10.657 min Scan# 707
Delta R.T. 0.002 min
Lab File: F412221515.D
Acq: 22 Dec 2015 10:00 pm

Tgt Ion:178 Resp: 434

Ion	Ratio	Lower	Upper
178	100		
179	47.1	11.9	17.9#

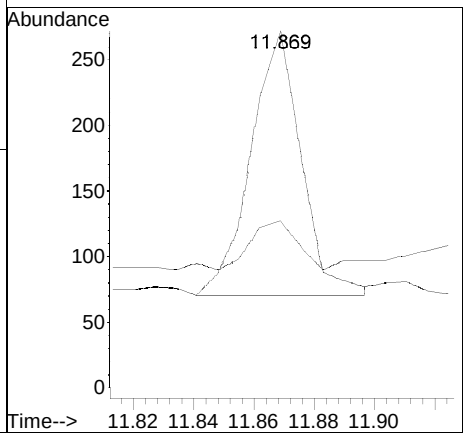


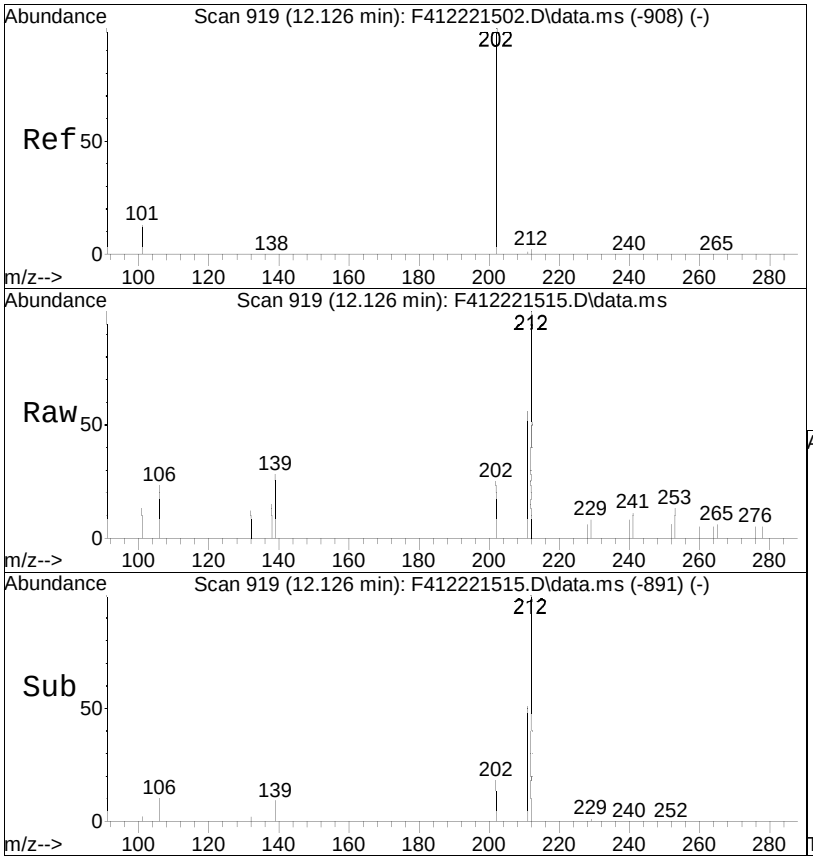


#23
Fluoranthene
Concen: 1.29 ng/mL M4
RT: 11.869 min Scan# 882
Delta R.T. -0.004 min
Lab File: F412221515.D
Acq: 22 Dec 2015 10:00 pm

Tgt Ion:202 Resp: 231

Ion	Ratio	Lower	Upper
202	100		
101	46.7	8.3	12.5#

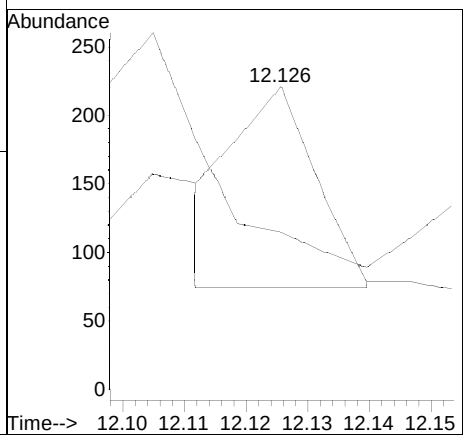


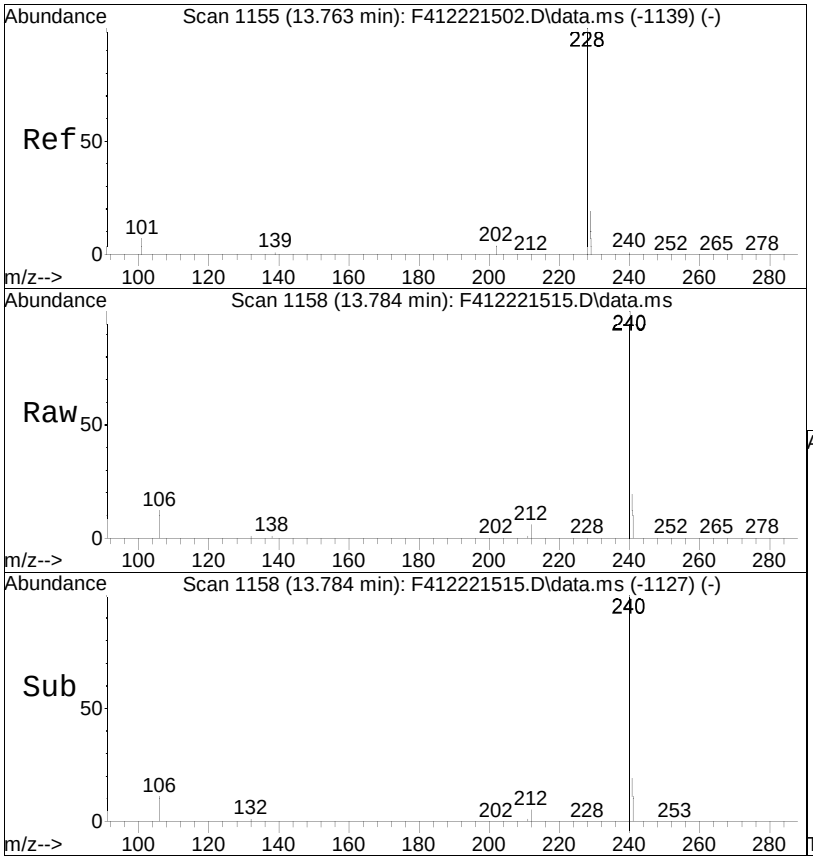


#26
Pyrene
Concen: 0.69 ng/mL M4
RT: 12.126 min Scan# 919
Delta R.T. -0.004 min
Lab File: F412221515.D
Acq: 22 Dec 2015 10:00 pm

Tgt Ion:202 Resp: 137

Ion	Ratio	Lower	Upper
202	100		
101	52.0	10.1	15.1#

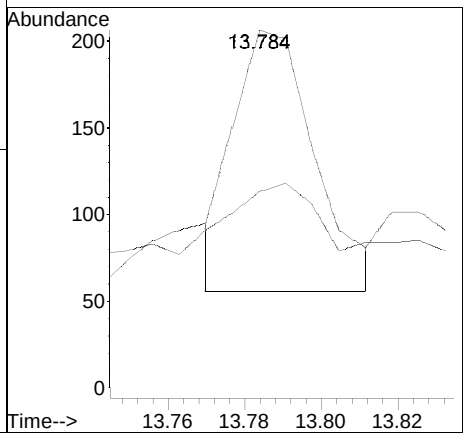


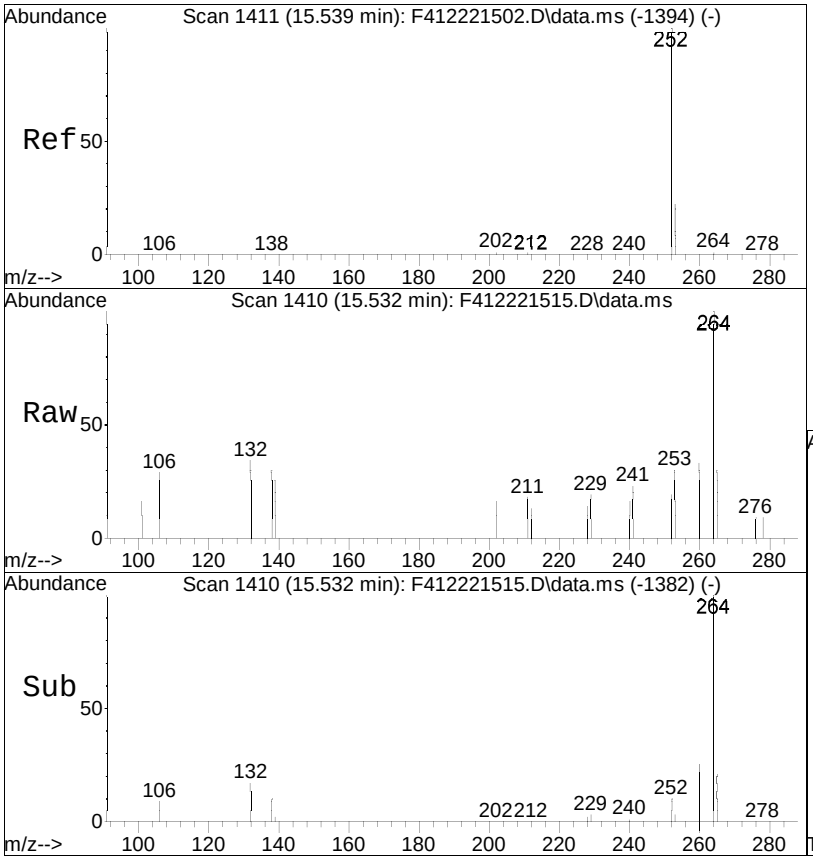


#27
Benz[a]anthracene
Concen: 5.81 ng/mL M4
RT: 13.784 min Scan# 1158
Delta R.T. 0.017 min
Lab File: F412221515.D
Acq: 22 Dec 2015 10:00 pm

Tgt Ion:228 Resp: 221

Ion	Ratio	Lower	Upper
228	100		
229	54.9	15.2	22.8#

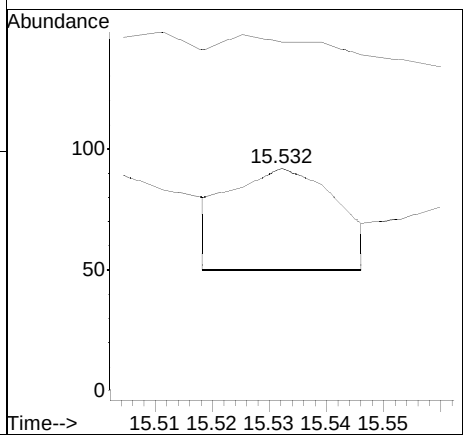


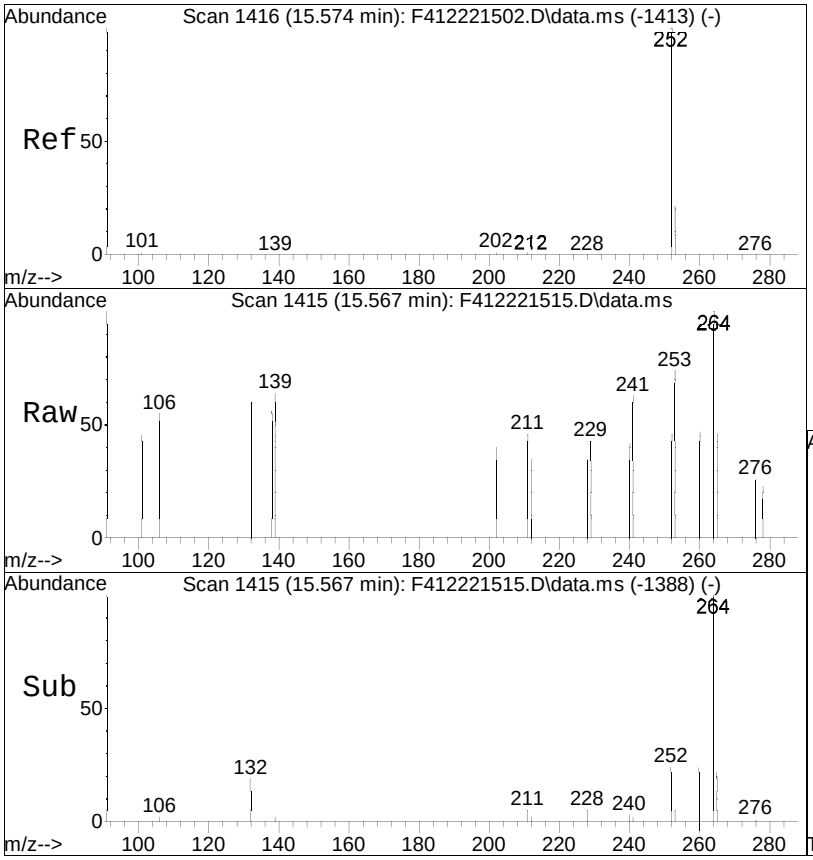


#32
Benzo[b]fluoranthene
Concen: 7.24 ng/mL M4
RT: 15.532 min Scan# 1410
Delta R.T. -0.004 min
Lab File: F412221515.D
Acq: 22 Dec 2015 10:00 pm

Tgt Ion:252 Resp: 54

Ion	Ratio	Lower	Upper
252	100		
253	156.5	17.1	25.7#

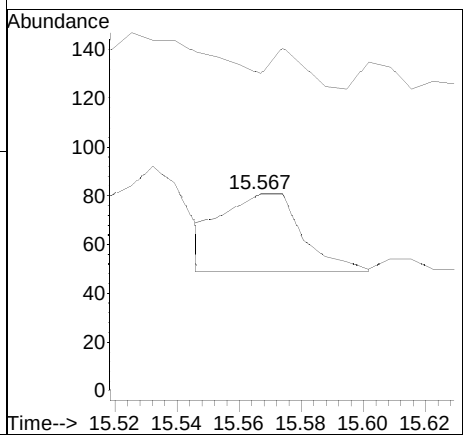


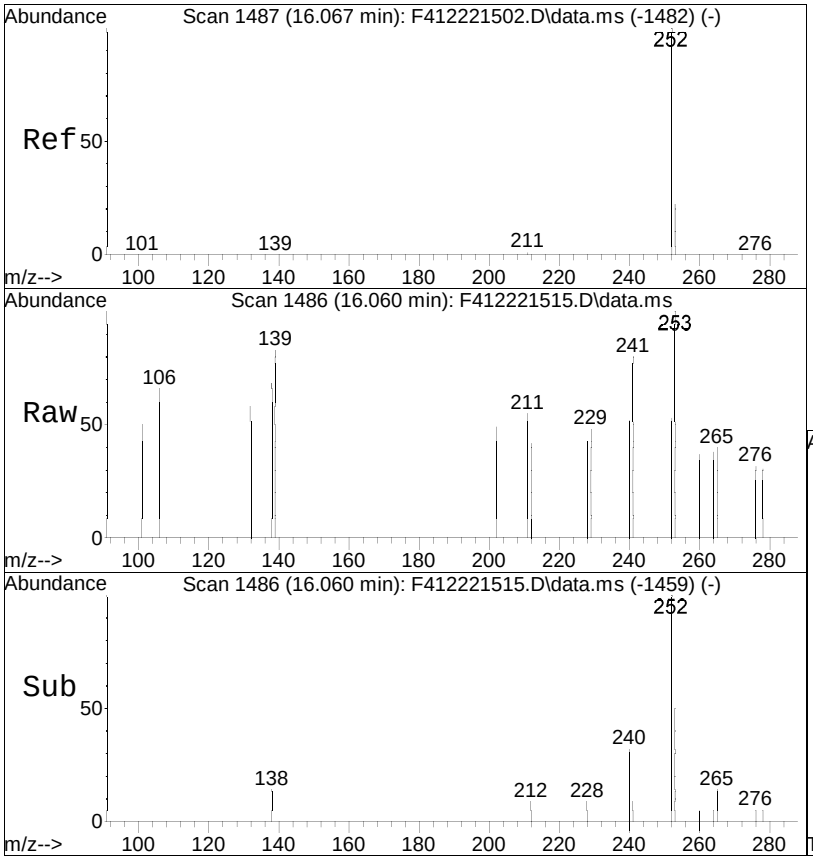


#33
Benzo[k]fluoranthene
Concen: 3.03 ng/mL M4
RT: 15.567 min Scan# 1415
Delta R.T. -0.011 min
Lab File: F412221515.D
Acq: 22 Dec 2015 10:00 pm

Tgt Ion:252 Resp: 57

Ion	Ratio	Lower	Upper
252	100		
253	160.5	17.2	25.8#

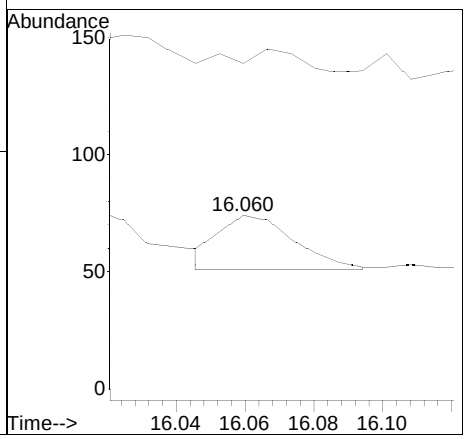


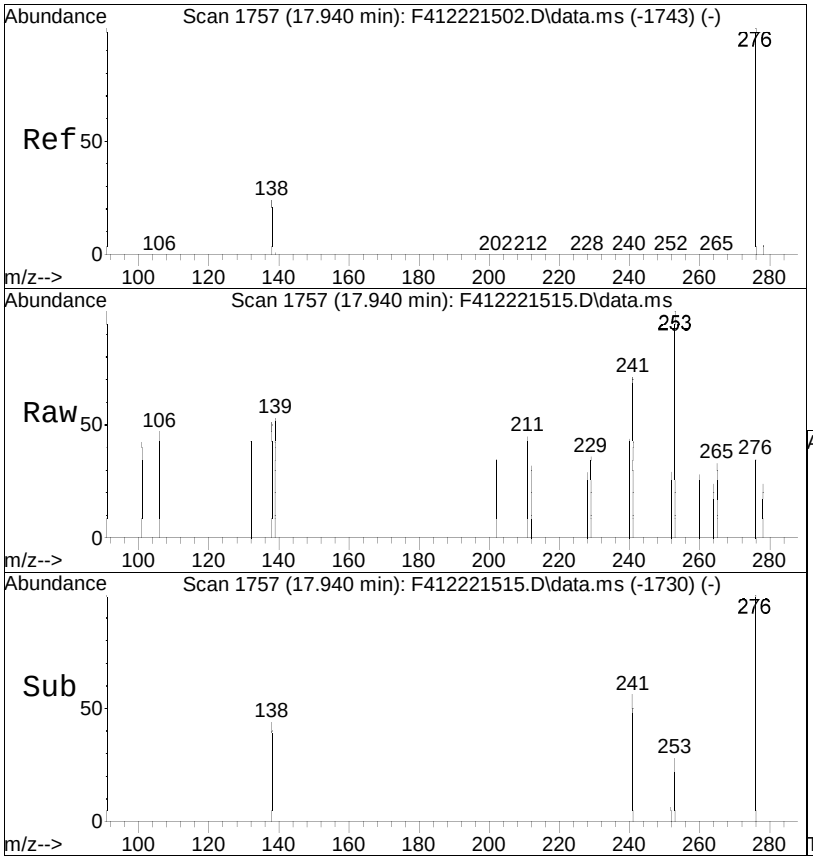


#35
Benzo[a]pyrene
Concen: 5.97 ng/mL M4
RT: 16.060 min Scan# 1486
Delta R.T. -0.011 min
Lab File: F412221515.D
Acq: 22 Dec 2015 10:00 pm

Tgt Ion:252 Resp: 35

Ion	Ratio	Lower	Upper
252	100		
253	187.8	17.3	25.9#

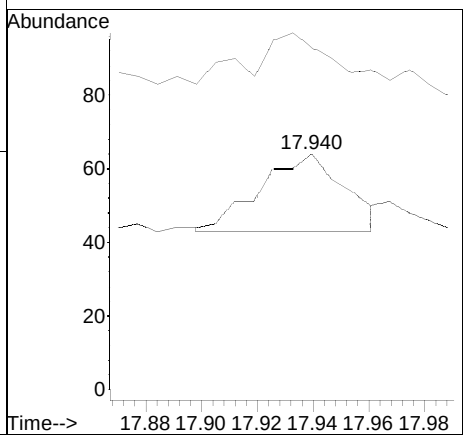


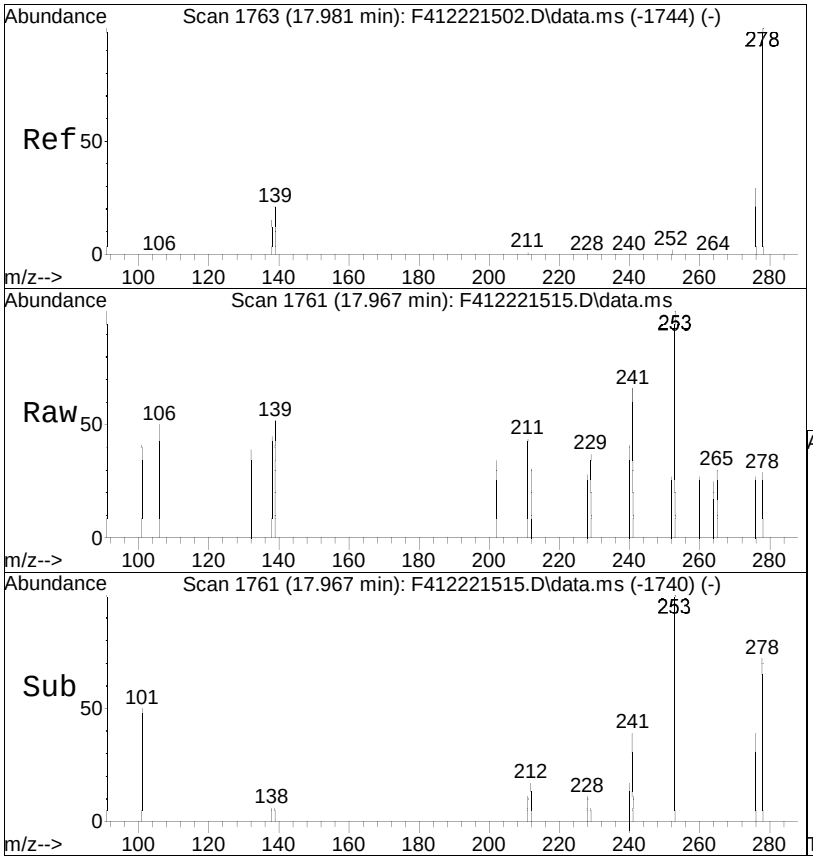


#37
Indeno[1,2,3-cd]pyrene
Concen: 6.44 ng/mL M4
RT: 17.940 min Scan# 1757
Delta R.T. -0.004 min
Lab File: F412221515.D
Acq: 22 Dec 2015 10:00 pm

Tgt Ion:276 Resp: 44

Ion	Ratio	Lower	Upper
276	100		
138	145.3	20.3	30.5#

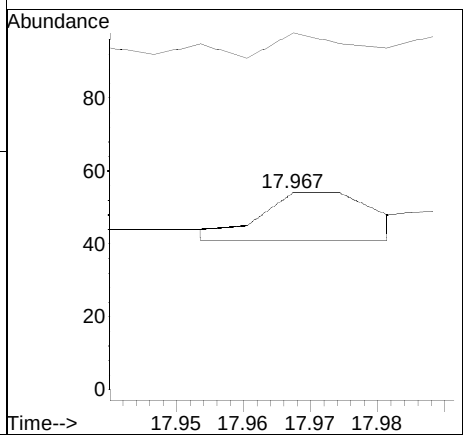


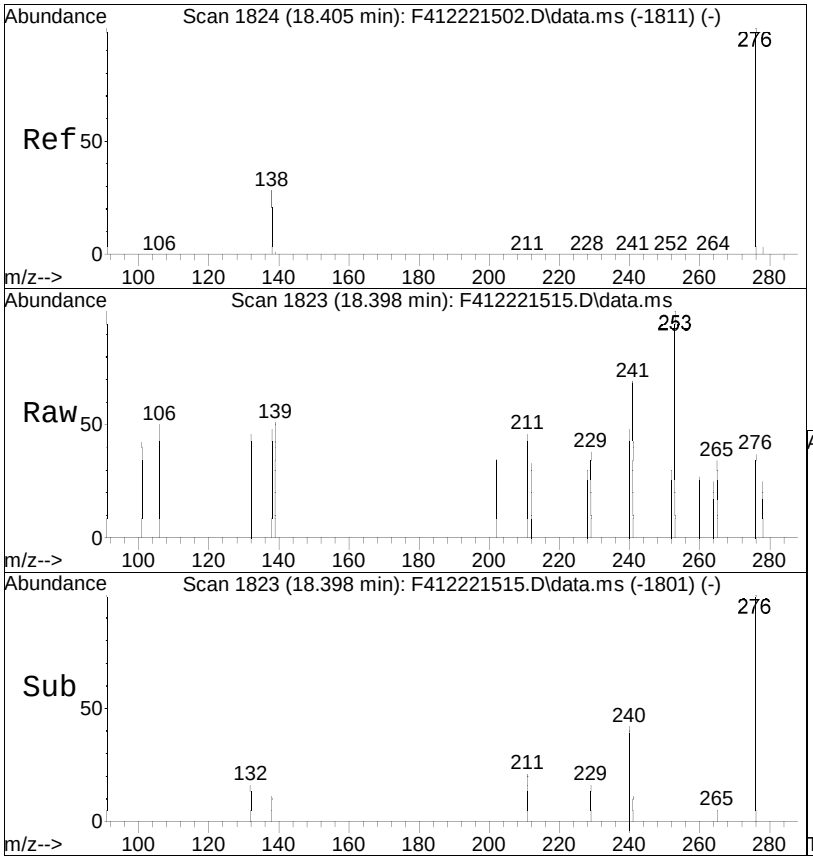


#38
Dibenz[a,h]anthracene
Concen: 5.12 ng/mL M4
RT: 17.967 min Scan# 1761
Delta R.T. -0.018 min
Lab File: F412221515.D
Acq: 22 Dec 2015 10:00 pm

Tgt Ion:278 Resp: 15

Ion	Ratio	Lower	Upper
278	100		
139	181.5	16.3	24.5#

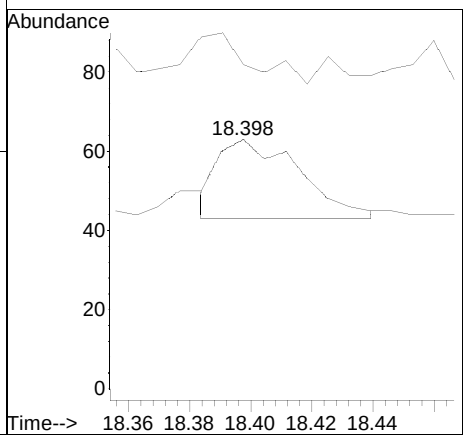




#39
Benzo[g,h,i]perylene
Concen: 4.99 ng/mL M4
RT: 18.398 min Scan# 1823
Delta R.T. -0.011 min
Lab File: F412221515.D
Acq: 22 Dec 2015 10:00 pm

Tgt Ion:276 Resp: 37

Ion	Ratio	Lower	Upper
276	100		
138	130.2	20.2	30.4#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221516.D
Acq On : 22 Dec 2015 10:30 pm
Operator : BNA4:SF
Sample : L1533592-02
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 28 16:30:15 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.440	136	87280	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.191	164	42198	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.637	188	82510	500.000	ng/mL	0.00
24) Chrysene-d12	13.791	240	65667	500.000	ng/mL	0.00
29) Perylene-d12	16.164	264	57401	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.116	152	32781	346.911	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 6.94%#			
25) Pyrene-d10	12.105	212	52921	415.306	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.31%#			
31) Benzo[b]fluoranthene-d12	15.491	264	37497	399.037	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 7.98%#			
Target Compounds						Qvalue
2) Naphthalene	7.462	128	867M4	4.712	ng/mL	
5) 2-Methylnaphthalene	8.145	142	162M4	1.403	ng/mL	
12) Acenaphthylene	9.039	152	115M4	0.684	ng/mL	
13) Acenaphthene	9.221	153	75	0.655	ng/mL#	58
15) Fluorene	9.716	166	115M4	0.932	ng/mL	
19) Phenanthrene	10.657	178	445M4	2.451	ng/mL	
20) Anthracene	10.699	178	48	N.D.		
23) Fluoranthene	11.869	202	363M4	2.012	ng/mL	
26) Pyrene	12.126	202	273M4	1.392	ng/mL	
27) Benz[a]anthracene	13.763	228	92M4	5.007	ng/mL	
28) Chrysene	13.825	228	119M4	0.781	ng/mL	
32) Benzo[b]fluoranthene	15.532	252	159M4	7.885	ng/mL	
33) Benzo[k]fluoranthene	15.567	252	83M4	3.231	ng/mL	
35) Benzo[a]pyrene	16.059	252	92M4	6.363	ng/mL	
37) Indeno[1,2,3-cd]pyrene	17.933	276	99M4	6.873	ng/mL	
38) Dibenz[a,h]anthracene	17.967	278	22M4	5.179	ng/mL	
39) Benzo[g,h,i]perylene	18.405	276	104M4	5.477	ng/mL	

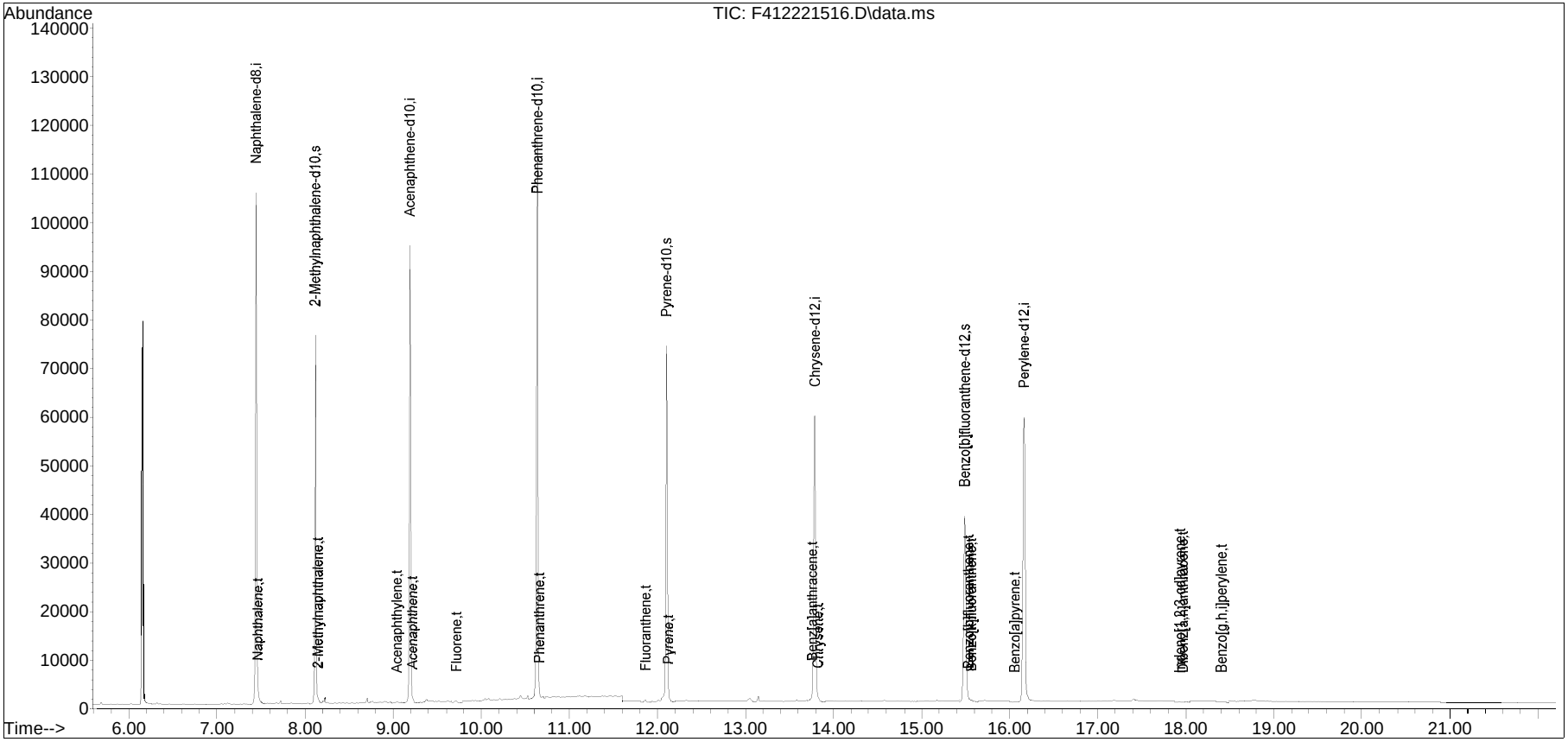
(#) = qualifier out of range (m) = manual integration (+) = signals summed

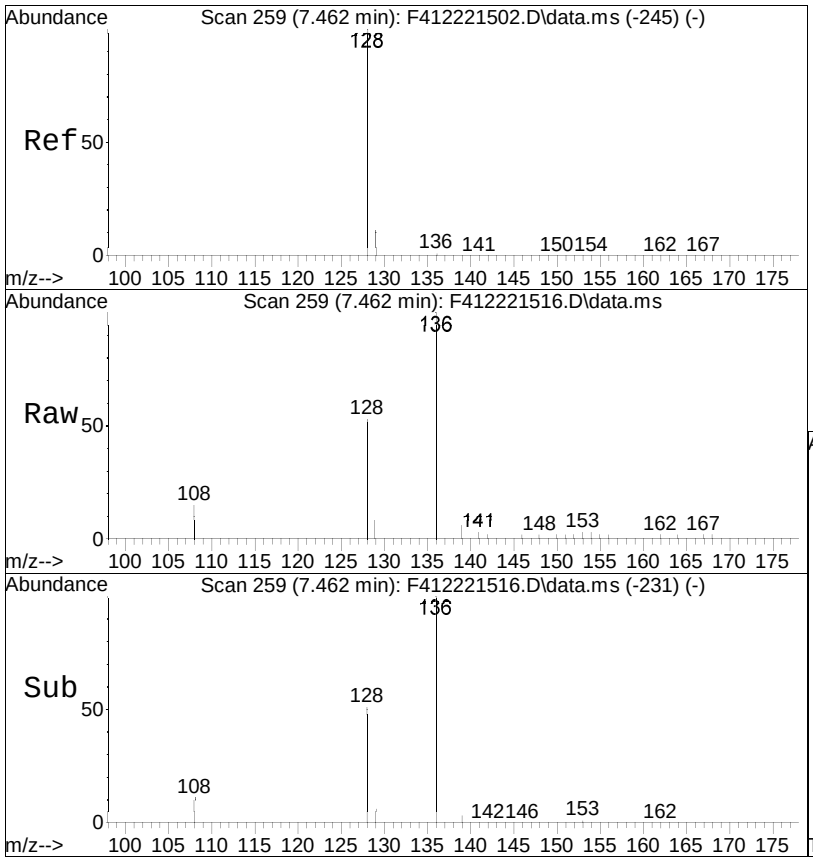
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221516.D
Acq On : 22 Dec 2015 10:30 pm
Operator : BNA4:SF
Sample : L1533592-02
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 28 16:30:15 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

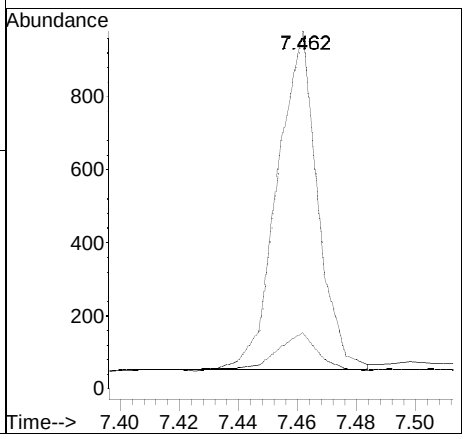


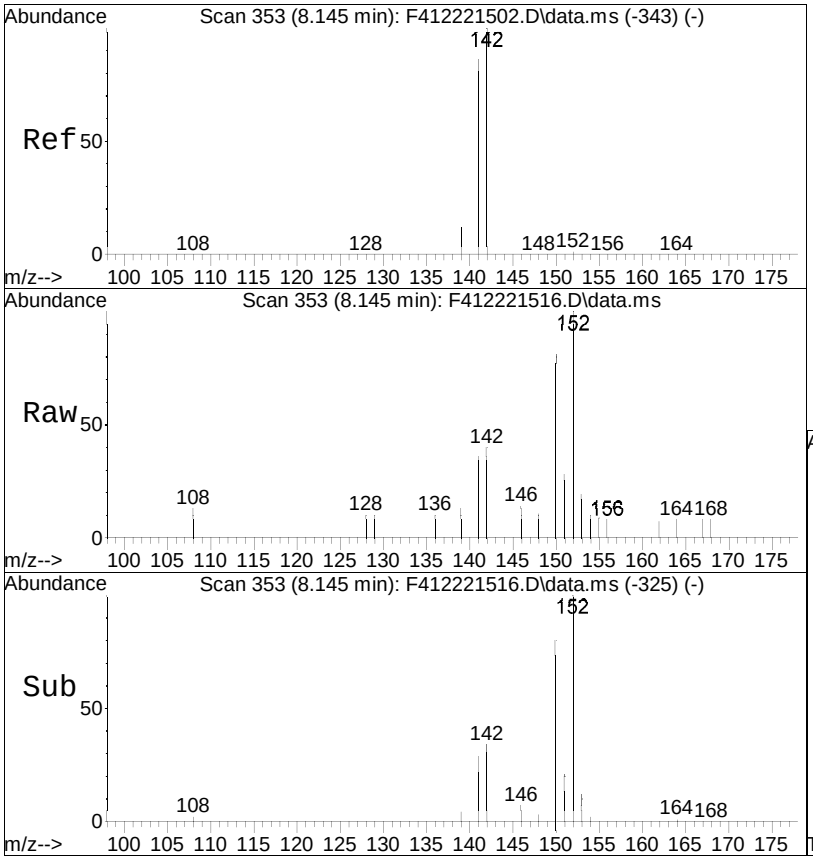


#2
Naphthalene
Concen: 4.71 ng/mL M4
RT: 7.462 min Scan# 259
Delta R.T. 0.000 min
Lab File: F412221516.D
Acq: 22 Dec 2015 10:30 pm

Tgt Ion:128 Resp: 867

Ion	Ratio	Lower	Upper
128	100		
129	15.7	8.7	13.1#

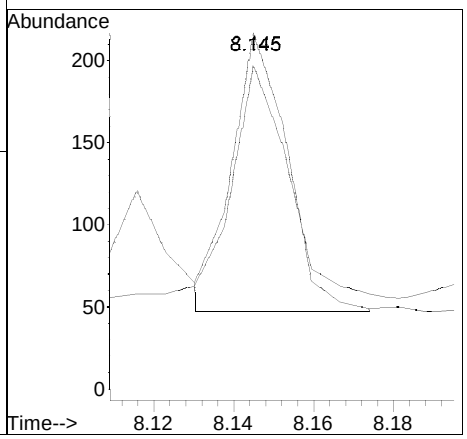


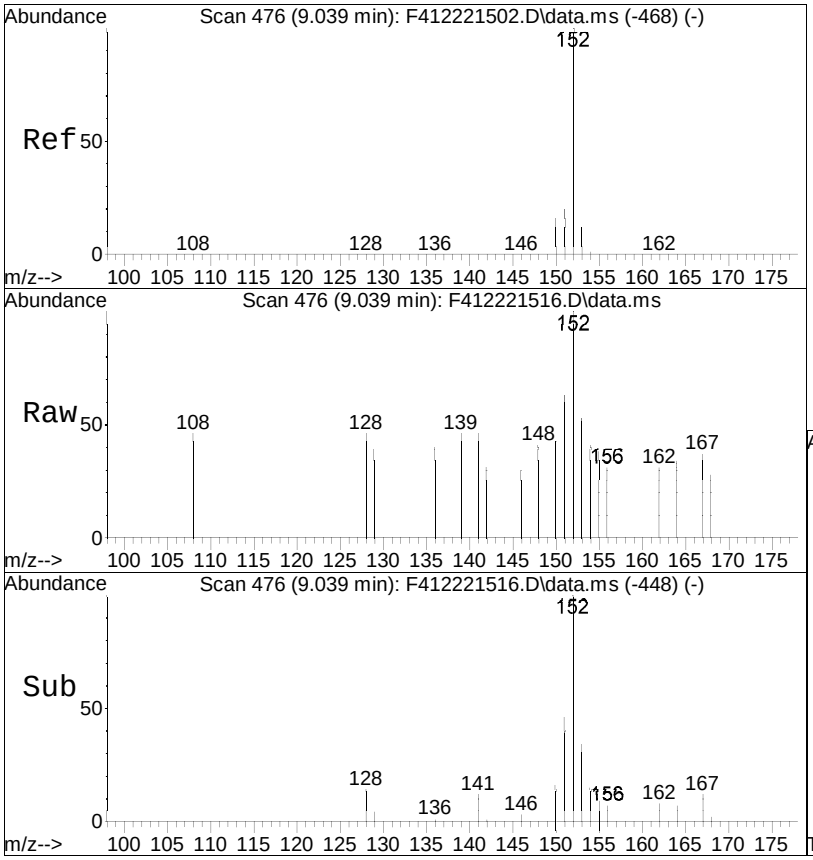


#5
2-Methylnaphthalene
Concen: 1.40 ng/mL M4
RT: 8.145 min Scan# 353
Delta R.T. 0.000 min
Lab File: F412221516.D
Acq: 22 Dec 2015 10:30 pm

Tgt Ion:142 Resp: 162

Ion	Ratio	Lower	Upper
142	100		
141	90.8	68.8	103.2

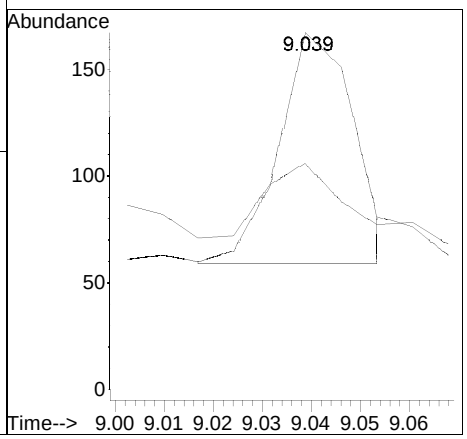


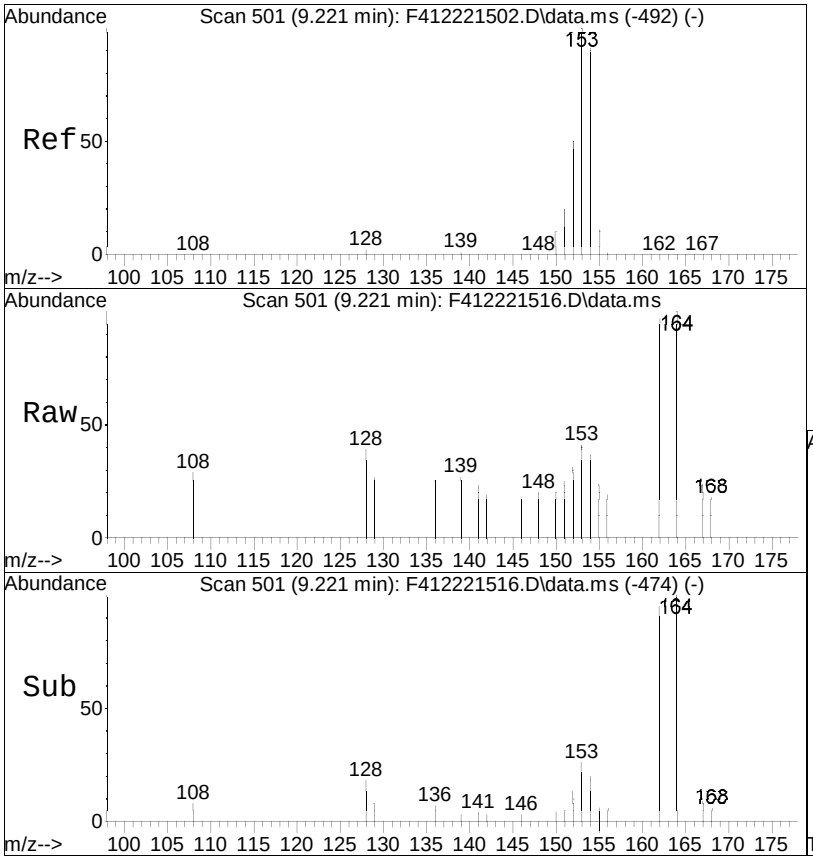


#12
Acenaphthylene
Concen: 0.68 ng/mL M4
RT: 9.039 min Scan# 476
Delta R.T. 0.000 min
Lab File: F412221516.D
Acq: 22 Dec 2015 10:30 pm

Tgt Ion:152 Resp: 115

Ion	Ratio	Lower	Upper
152	100		
151	63.5	15.4	23.0#

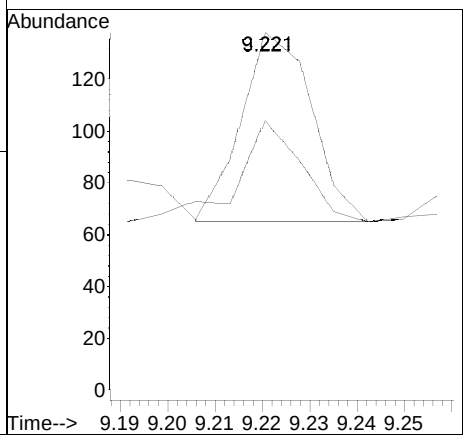


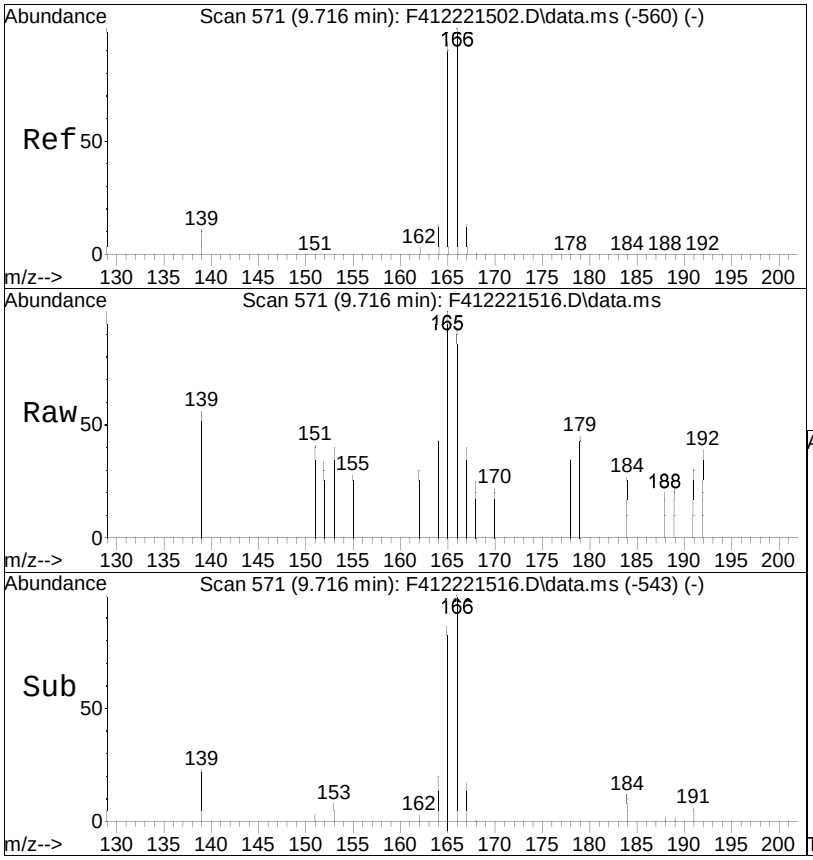


#13
Acenaphthene
Concen: 0.66 ng/mL
RT: 9.221 min Scan# 501
Delta R.T. 0.000 min
Lab File: F412221516.D
Acq: 22 Dec 2015 10:30 pm

Tgt Ion:153 Resp: 75

Ion	Ratio	Lower	Upper
153	100		
152	75.4	37.8	56.8#

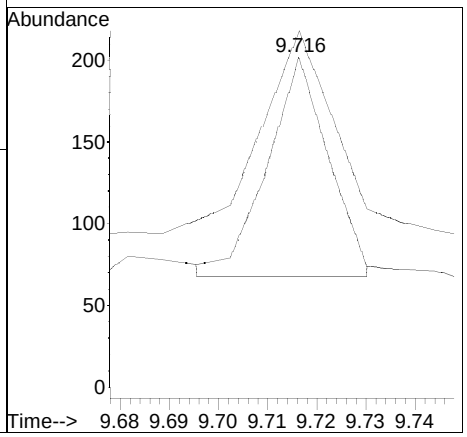


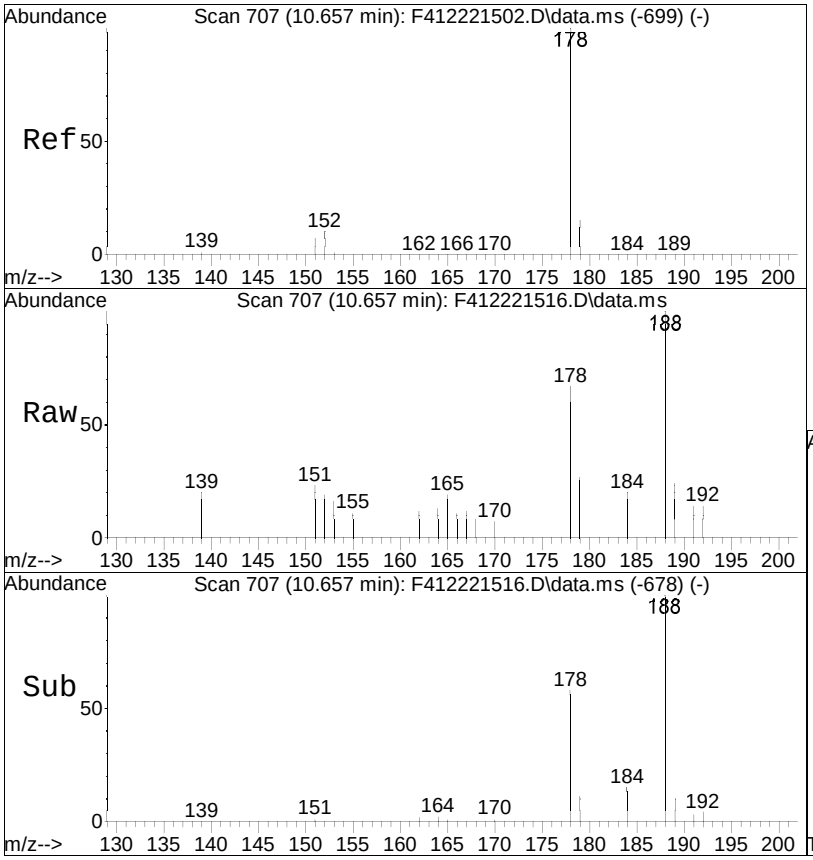


#15
Fluorene
Concen: 0.93 ng/mL M4
RT: 9.716 min Scan# 571
Delta R.T. -0.004 min
Lab File: F412221516.D
Acq: 22 Dec 2015 10:30 pm

Tgt Ion:166 Resp: 115

Ion	Ratio	Lower	Upper
166	100		
165	107.9	73.2	109.8

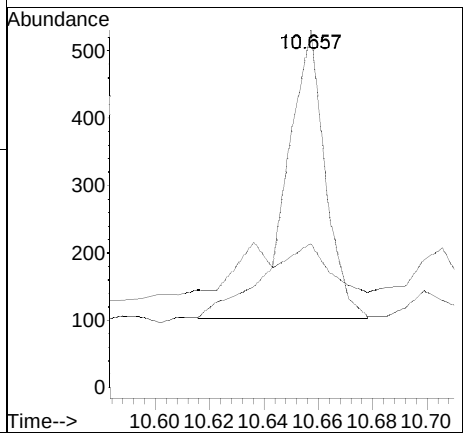


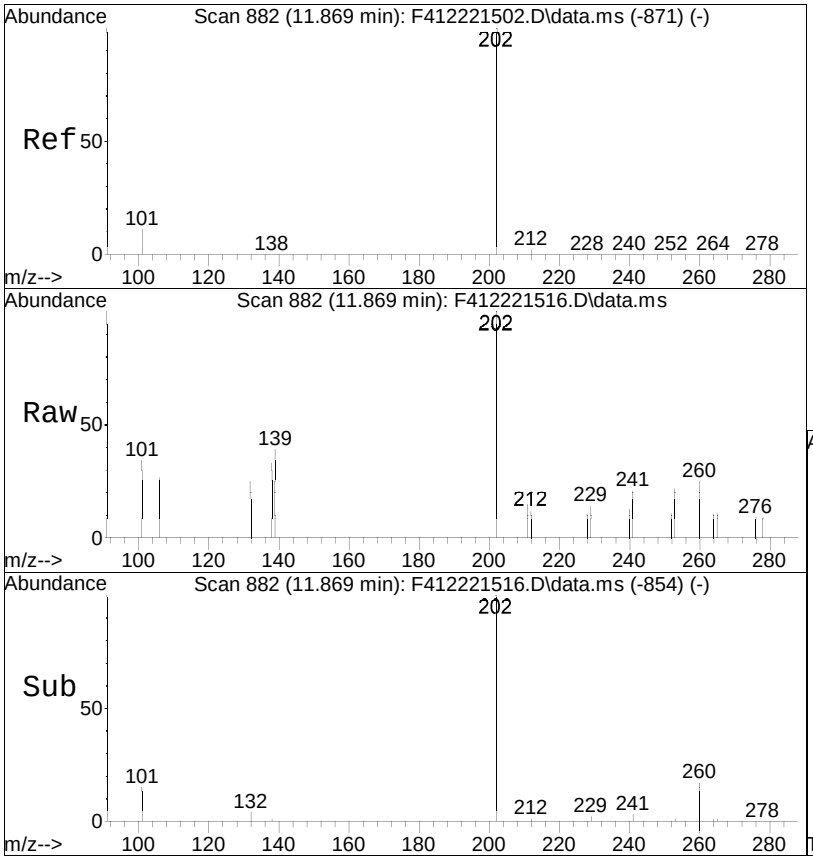


#19
Phenanthrene
Concen: 2.45 ng/mL M4
RT: 10.657 min Scan# 707
Delta R.T. 0.002 min
Lab File: F412221516.D
Acq: 22 Dec 2015 10:30 pm

Tgt Ion:178 Resp: 445

Ion	Ratio	Lower	Upper
178	100		
179	40.4	11.9	17.9#

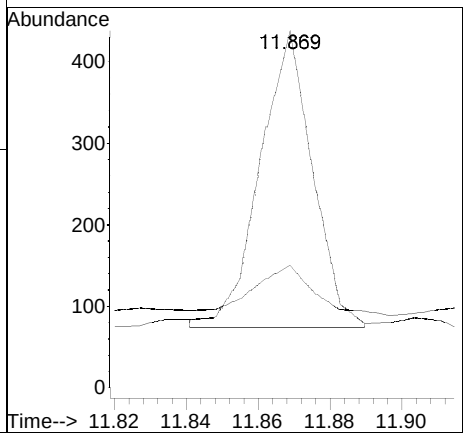


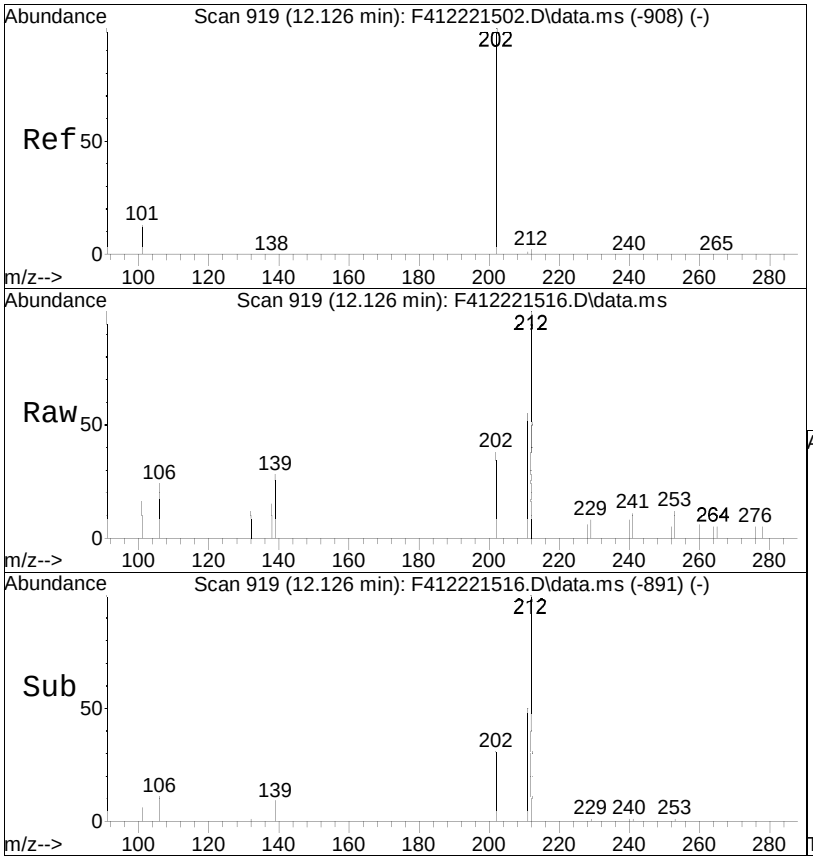


#23
Fluoranthene
Concen: 2.01 ng/mL M4
RT: 11.869 min Scan# 882
Delta R.T. -0.004 min
Lab File: F412221516.D
Acq: 22 Dec 2015 10:30 pm

Tgt Ion:202 Resp: 363

Ion	Ratio	Lower	Upper
202	100		
101	34.2	8.3	12.5#

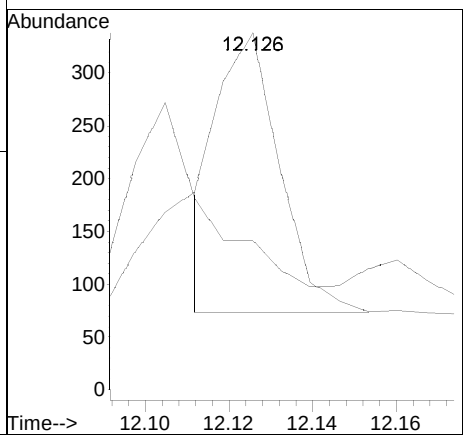


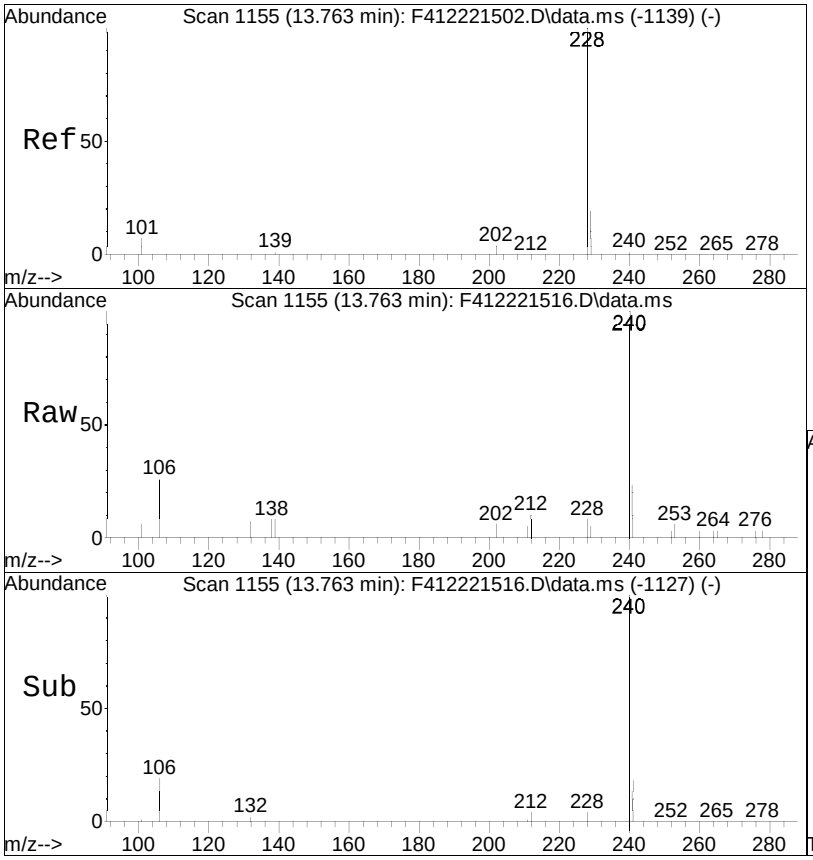


#26
Pyrene
Concen: 1.39 ng/mL M4
RT: 12.126 min Scan# 919
Delta R.T. -0.004 min
Lab File: F412221516.D
Acq: 22 Dec 2015 10:30 pm

Tgt Ion:202 Resp: 273

Ion	Ratio	Lower	Upper
202	100		
101	42.0	10.1	15.1#

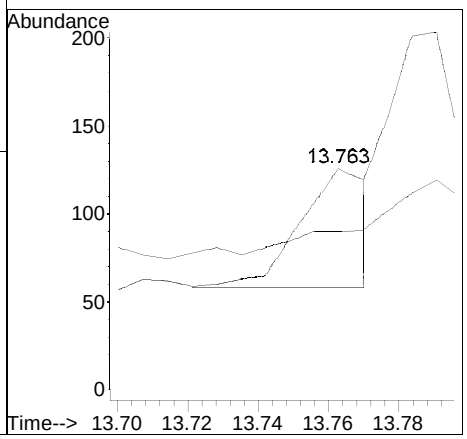


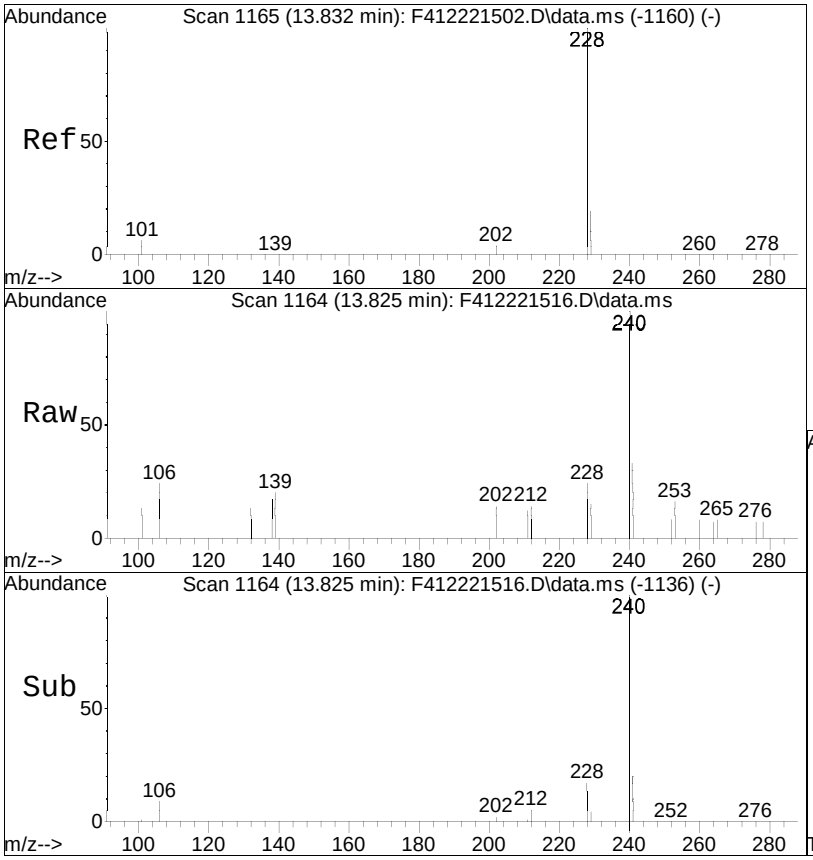


#27
Benz[a]anthracene
Concen: 5.01 ng/mL M4
RT: 13.763 min Scan# 1155
Delta R.T. -0.004 min
Lab File: F412221516.D
Acq: 22 Dec 2015 10:30 pm

Tgt Ion:228 Resp: 92

Ion	Ratio	Lower	Upper
228	100		
229	71.4	15.2	22.8#

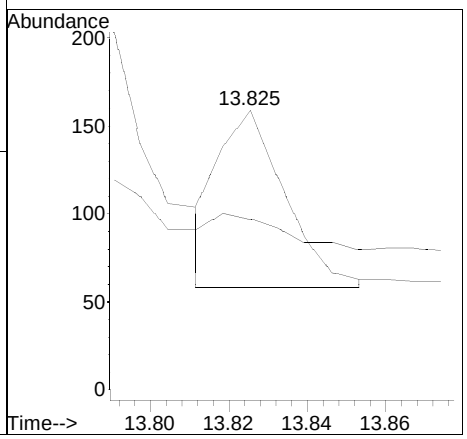


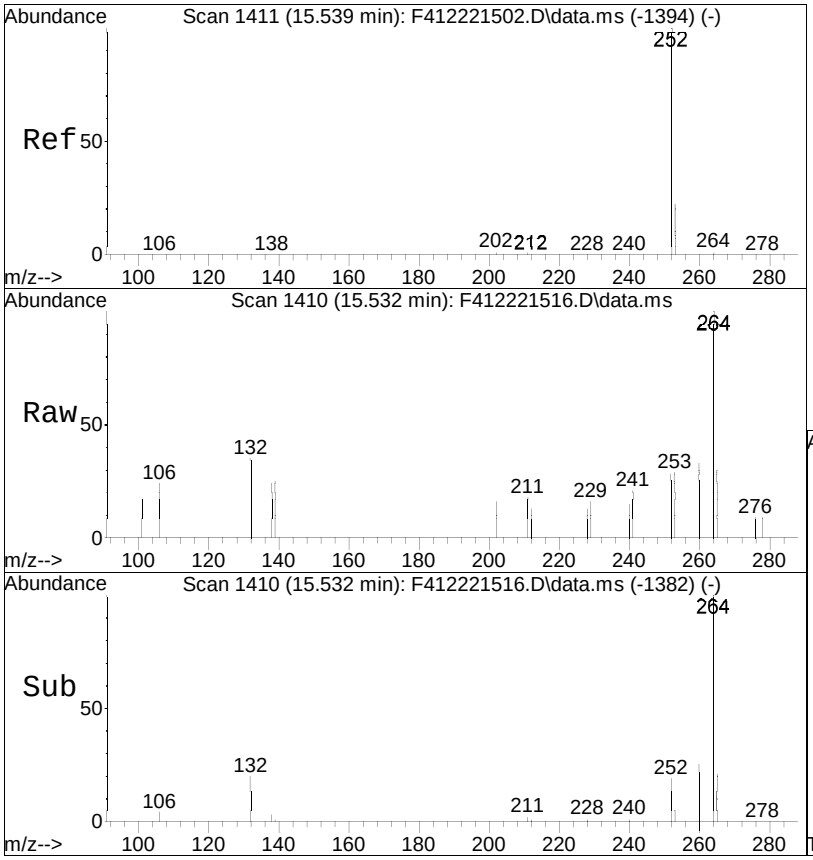


#28
Chrysene
Concen: 0.78 ng/mL M4
RT: 13.825 min Scan# 1164
Delta R.T. -0.004 min
Lab File: F412221516.D
Acq: 22 Dec 2015 10:30 pm

Tgt Ion:228 Resp: 119

Ion	Ratio	Lower	Upper
228	100		
229	61.0	15.0	22.6#

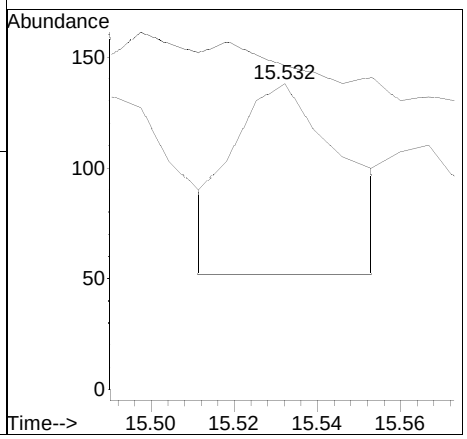


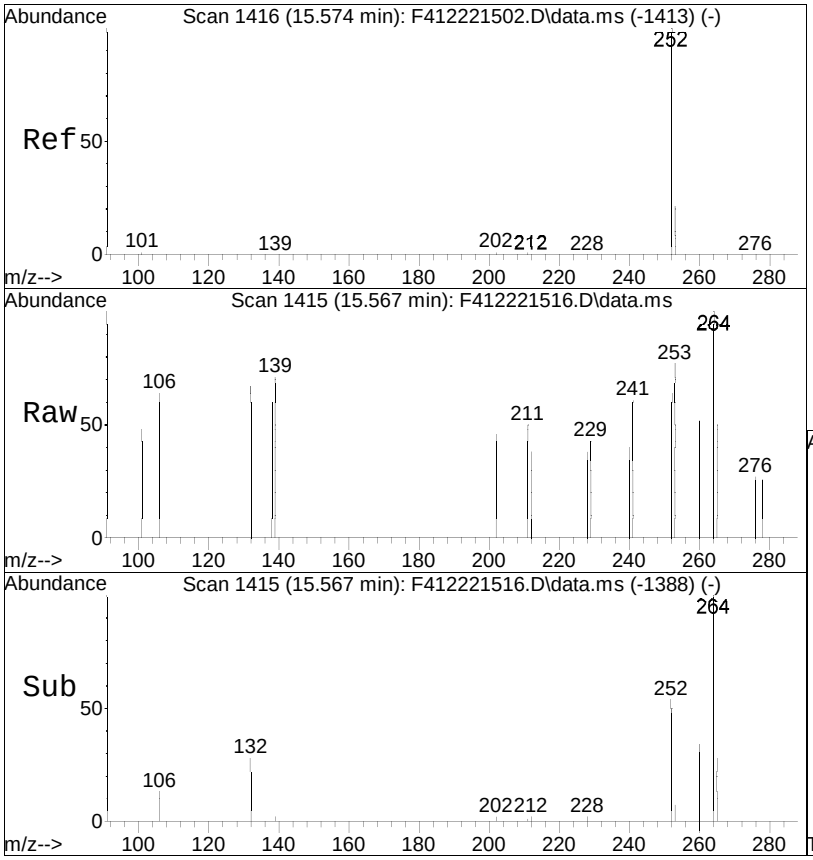


#32
Benzo[b]fluoranthene
Concen: 7.89 ng/mL M4
RT: 15.532 min Scan# 1410
Delta R.T. -0.004 min
Lab File: F412221516.D
Acq: 22 Dec 2015 10:30 pm

Tgt Ion:252 Resp: 159

Ion	Ratio	Lower	Upper
252	100		
253	105.8	17.1	25.7#

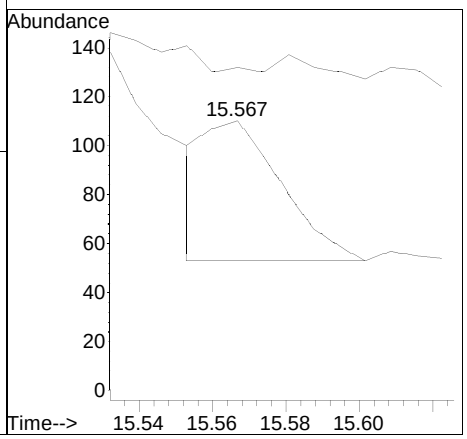


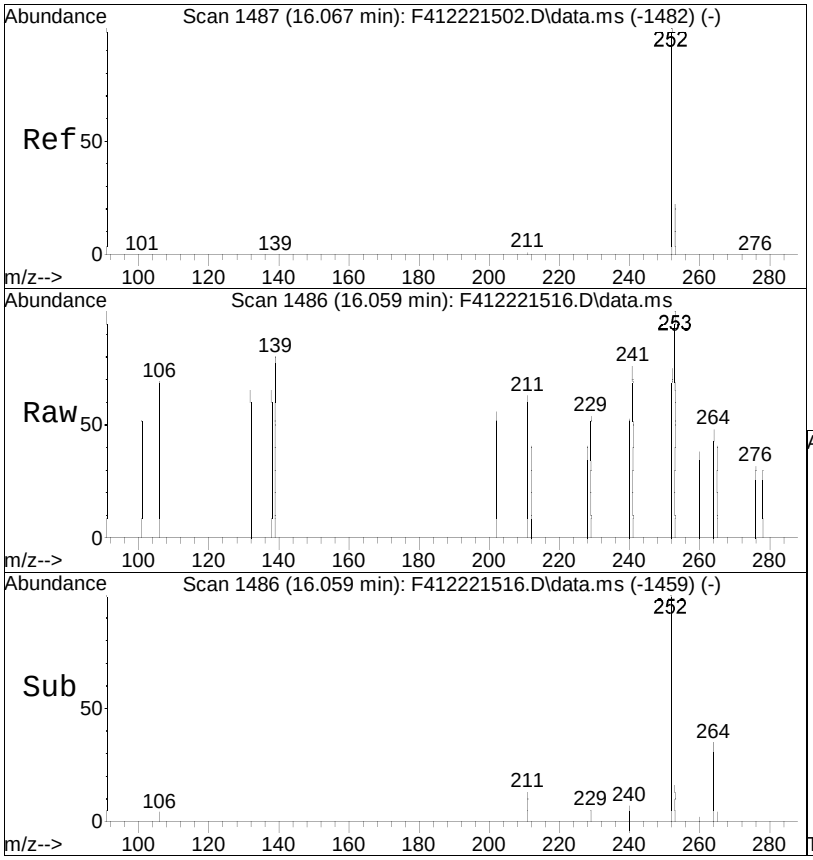


#33
Benzo[k]fluoranthene
Concen: 3.23 ng/mL M4
RT: 15.567 min Scan# 1415
Delta R.T. -0.011 min
Lab File: F412221516.D
Acq: 22 Dec 2015 10:30 pm

Tgt Ion:252 Resp: 83

Ion	Ratio	Lower	Upper
252	100		
253	120.0	17.2	25.8#

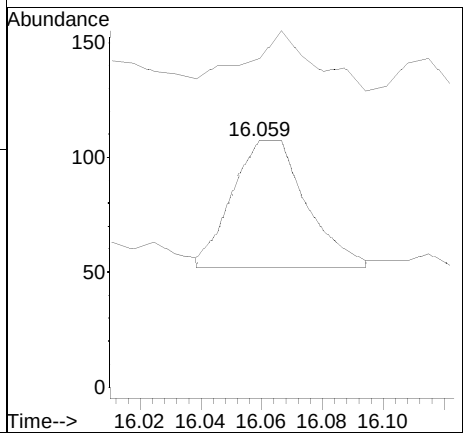


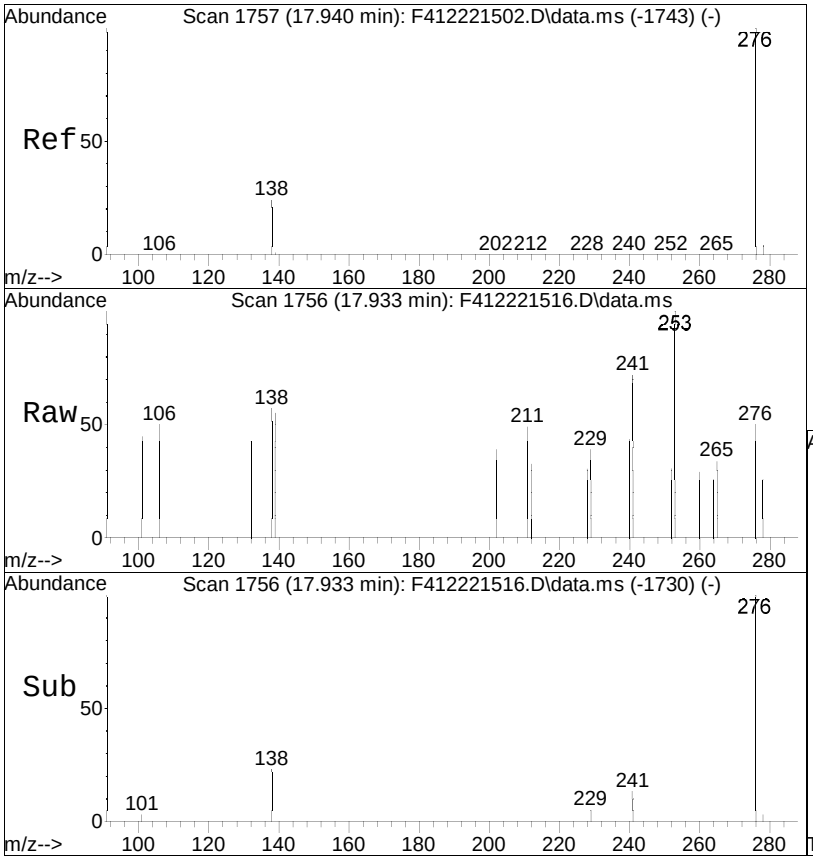


#35
Benzo[a]pyrene
Concen: 6.36 ng/mL M4
RT: 16.059 min Scan# 1486
Delta R.T. -0.011 min
Lab File: F412221516.D
Acq: 22 Dec 2015 10:30 pm

Tgt Ion:252 Resp: 92

Ion	Ratio	Lower	Upper
252	100		
253	133.6	17.3	25.9#

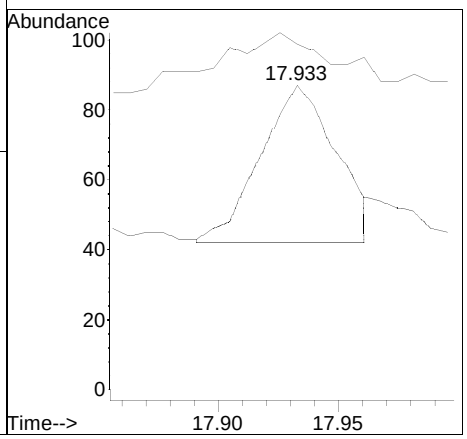


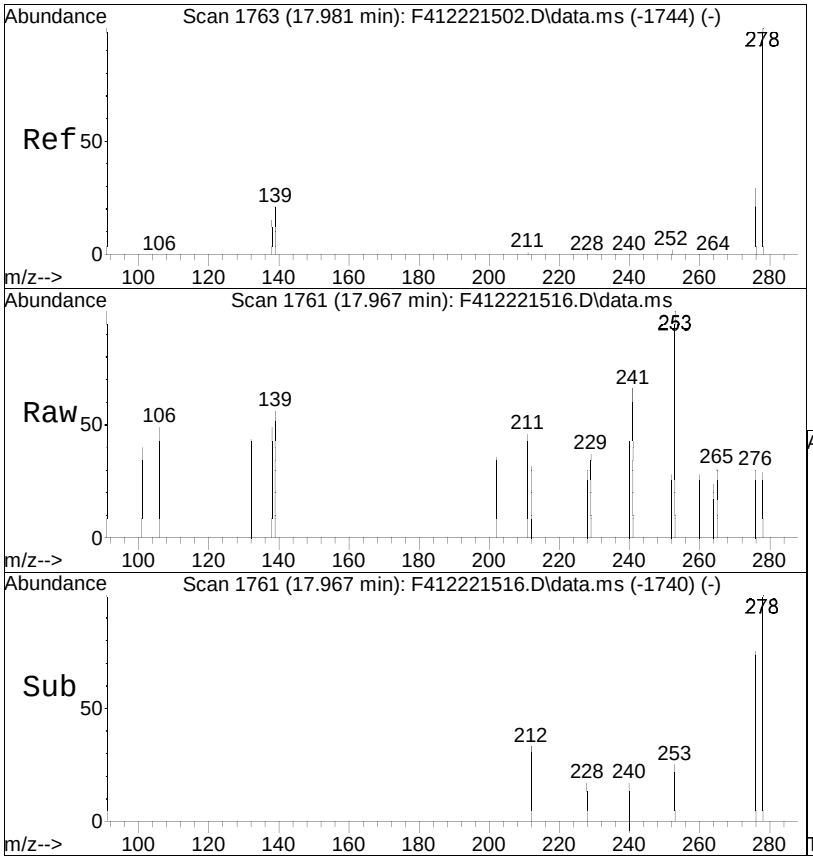


#37
Indeno[1,2,3-cd]pyrene
Concen: 6.87 ng/mL M4
RT: 17.933 min Scan# 1756
Delta R.T. -0.011 min
Lab File: F412221516.D
Acq: 22 Dec 2015 10:30 pm

Tgt Ion:276 Resp: 99

Ion	Ratio	Lower	Upper
276	100		
138	113.8	20.3	30.5#

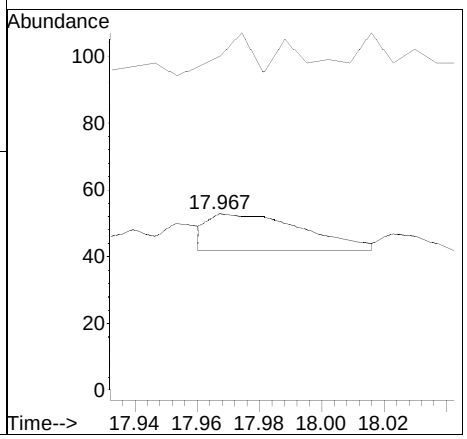


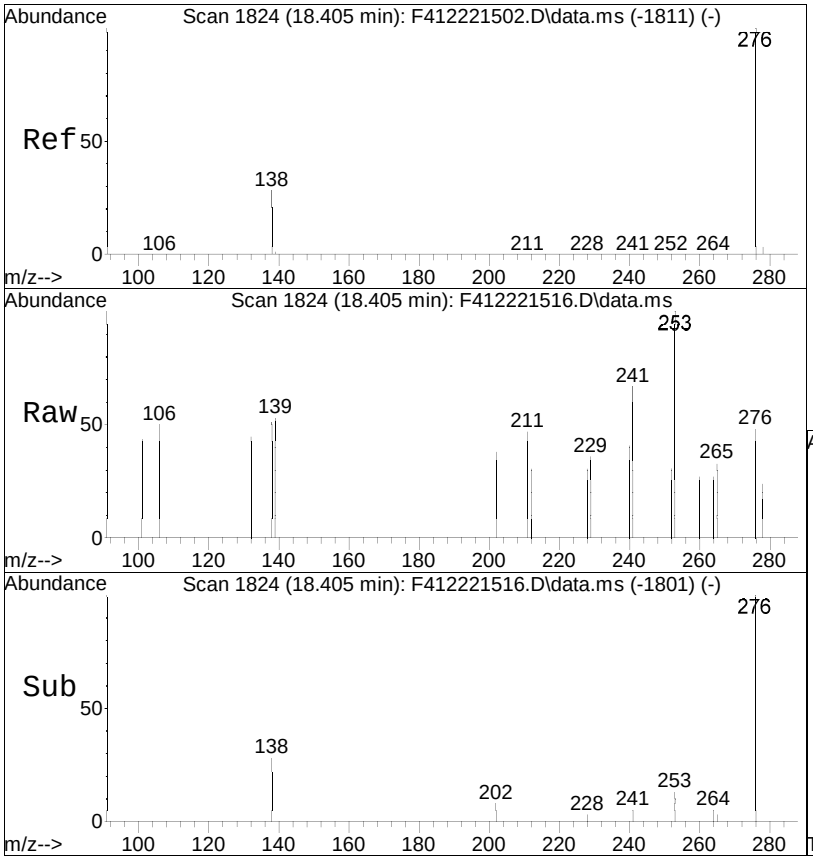


#38
Dibenz[a,h]anthracene
Concen: 5.18 ng/mL M4
RT: 17.967 min Scan# 1761
Delta R.T. -0.018 min
Lab File: F412221516.D
Acq: 22 Dec 2015 10:30 pm

Tgt Ion:278 Resp: 22

Ion	Ratio	Lower	Upper
278	100		
139	188.7	16.3	24.5#

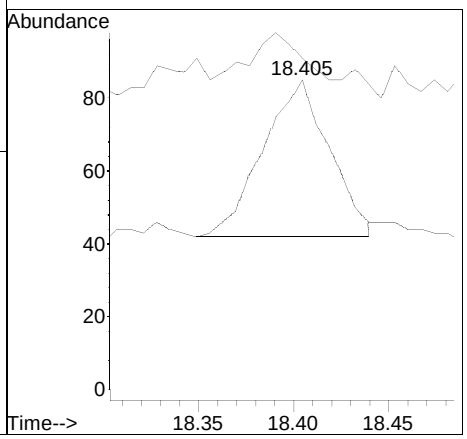




#39
Benzo[g,h,i]perylene
Concen: 5.48 ng/mL M4
RT: 18.405 min Scan# 1824
Delta R.T. -0.004 min
Lab File: F412221516.D
Acq: 22 Dec 2015 10:30 pm

Tgt Ion:276 Resp: 104

Ion	Ratio	Lower	Upper
276	100		
138	107.1	20.2	30.4#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221517.D
Acq On : 22 Dec 2015 11:01 pm
Operator : BNA4:SF
Sample : L1533592-03
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 28 16:32:37 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.440	136	88115	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.191	164	42414	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.637	188	82740	500.000	ng/mL	0.00
24) Chrysene-d12	13.784	240	65974	500.000	ng/mL	-0.01
29) Perylene-d12	16.163	264	57462	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.116	152	32785	343.666	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 6.87%#			
25) Pyrene-d10	12.105	212	52080	406.804	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.14%#			
31) Benzo[b]fluoranthene-d12	15.491	264	35788	380.446	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 7.61%#			
Target Compounds						Qvalue
2) Naphthalene	7.462	128	835M4	4.495	ng/mL	
5) 2-Methylnaphthalene	8.145	142	141M4	1.210	ng/mL	
12) Acenaphthylene	9.039	152	91	0.538	ng/mL#	1
13) Acenaphthene	9.220	153	51	N.D.		
15) Fluorene	9.716	166	93M4	0.750	ng/mL	
19) Phenanthrene	10.657	178	498M4	2.735	ng/mL	
20) Anthracene	10.699	178	42	N.D.		
23) Fluoranthene	11.869	202	219M4	1.210	ng/mL	
26) Pyrene	12.126	202	189M4	0.959	ng/mL	
27) Benz[a]anthracene	0.000		0	N.D.	d	
28) Chrysene	13.825	228	50	N.D.		
32) Benzo[b]fluoranthene	15.532	252	80M4	7.403	ng/mL	
33) Benzo[k]fluoranthene	15.567	252	37M4	2.881	ng/mL	
35) Benzo[a]pyrene	0.000		0	N.D.	d	
37) Indeno[1,2,3-cd]pyrene	17.933	276	42M4	6.425	ng/mL	
38) Dibenz[a,h]anthracene	0.000		0	N.D.	d	
39) Benzo[g,h,i]perylene	18.404	276	57M4	5.132	ng/mL	

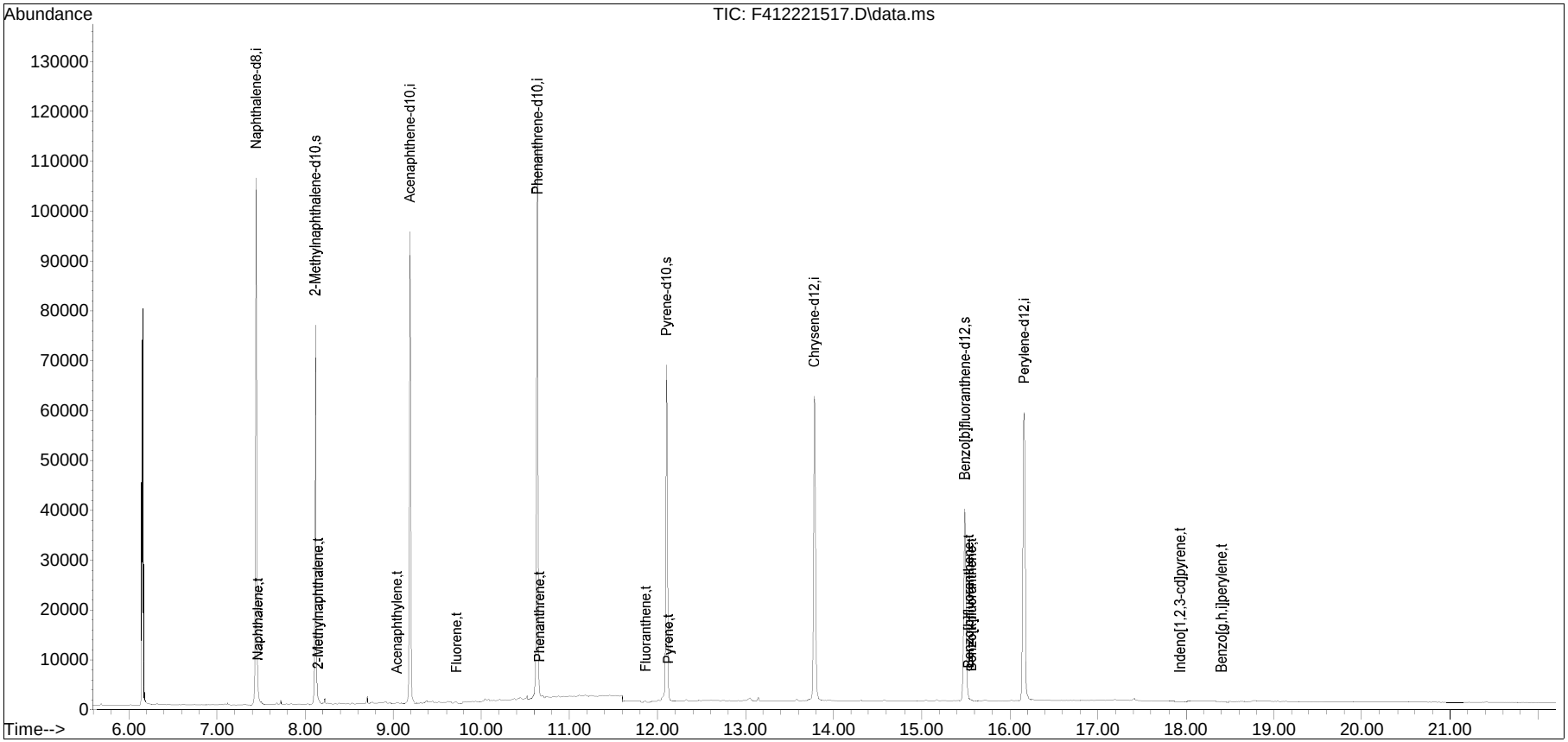
(#) = qualifier out of range (m) = manual integration (+) = signals summed

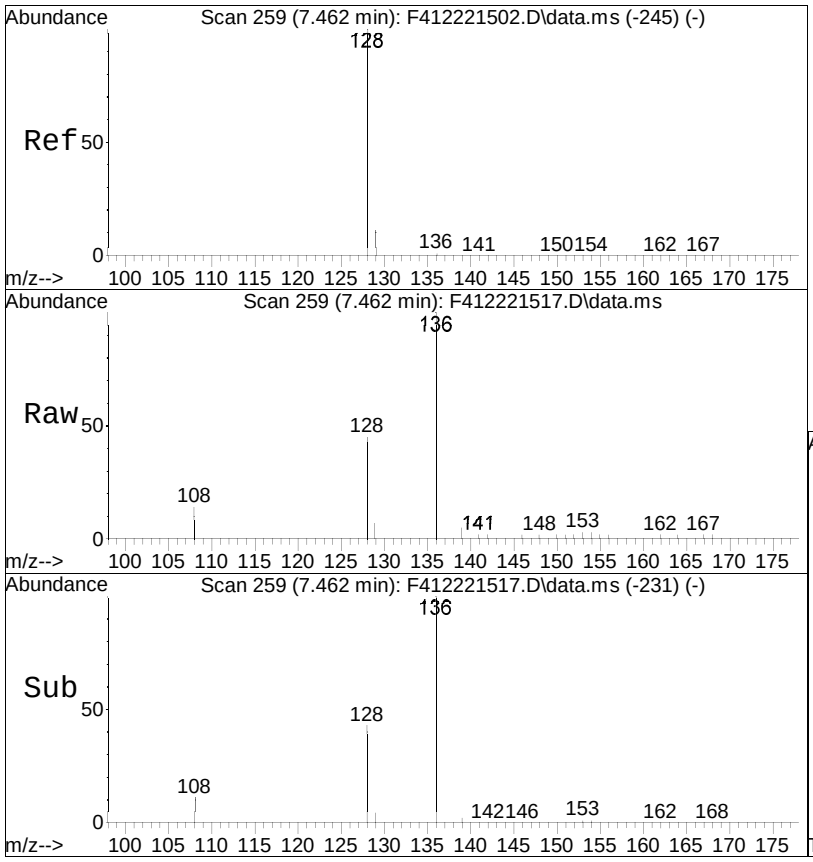
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221517.D
Acq On : 22 Dec 2015 11:01 pm
Operator : BNA4:SF
Sample : L1533592-03
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 28 16:32:37 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

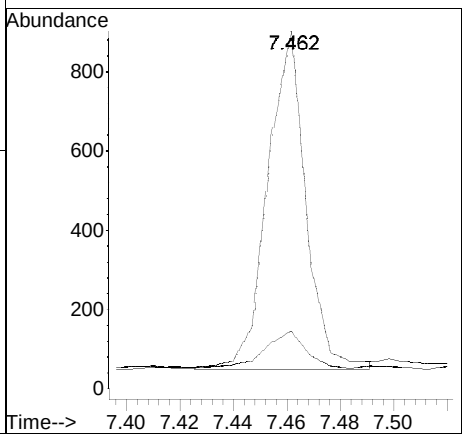


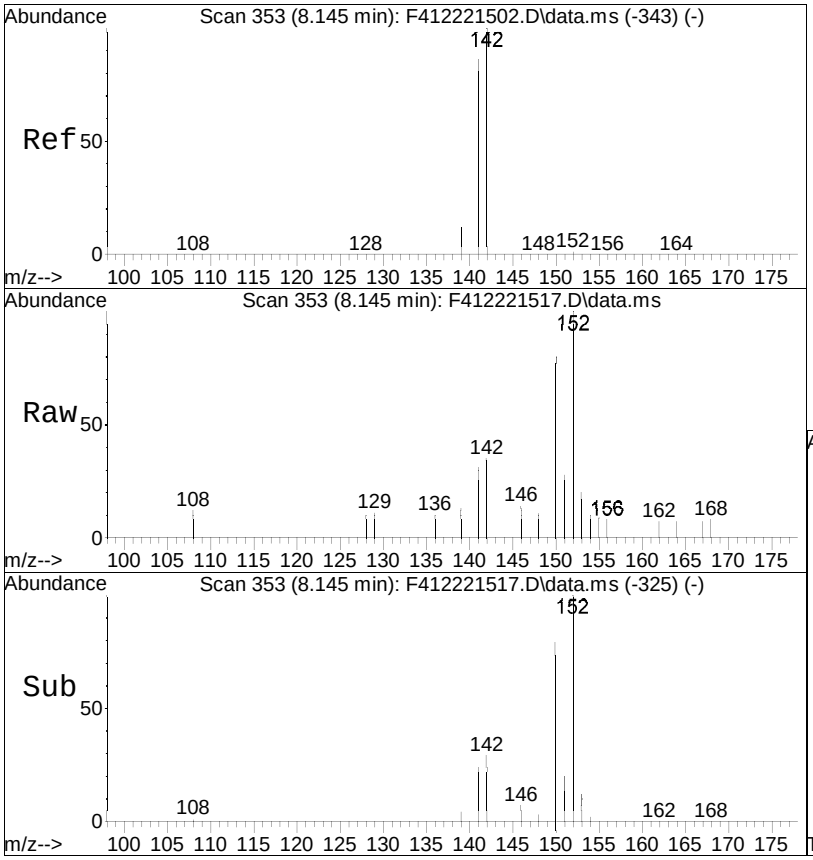


#2
Naphthalene
Concen: 4.49 ng/mL M4
RT: 7.462 min Scan# 259
Delta R.T. 0.000 min
Lab File: F412221517.D
Acq: 22 Dec 2015 11:01 pm

Tgt Ion:128 Resp: 835

Ion	Ratio	Lower	Upper
128	100		
129	16.1	8.7	13.1#

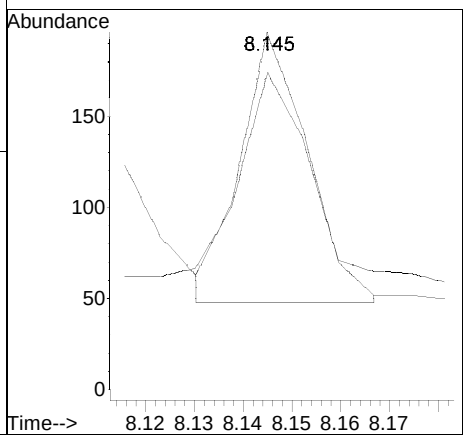


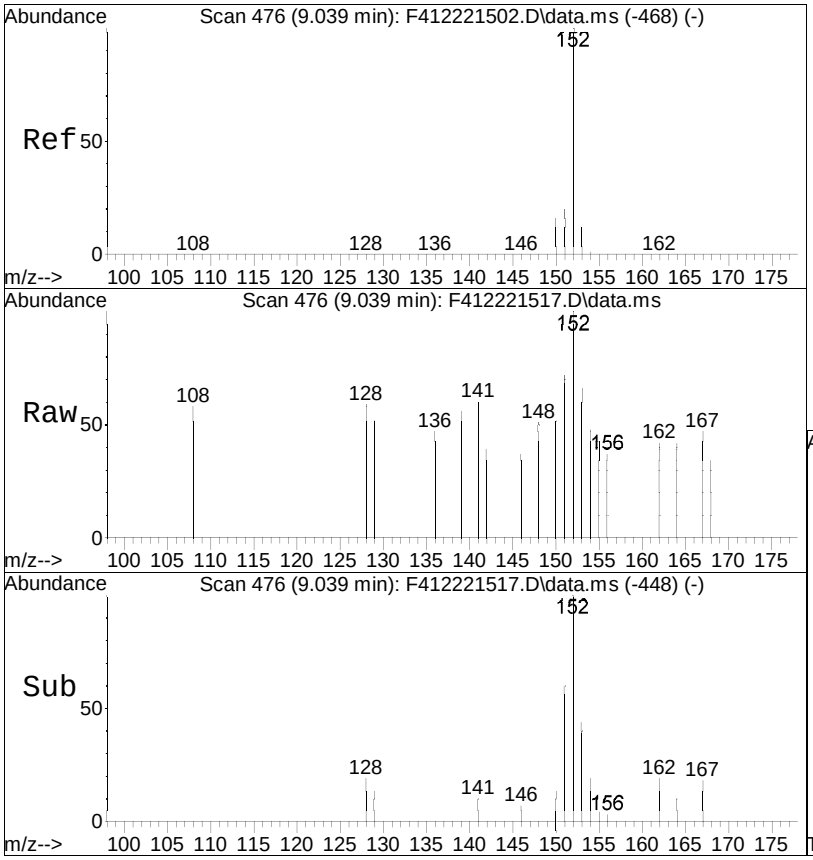


#5
2-Methylnaphthalene
Concen: 1.21 ng/mL M4
RT: 8.145 min Scan# 353
Delta R.T. 0.000 min
Lab File: F412221517.D
Acq: 22 Dec 2015 11:01 pm

Tgt Ion:142 Resp: 141

Ion	Ratio	Lower	Upper
142	100		
141	88.8	68.8	103.2

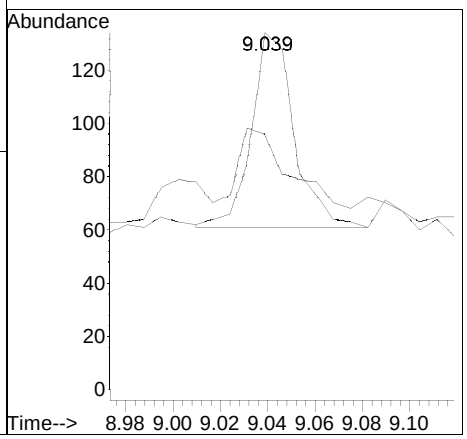


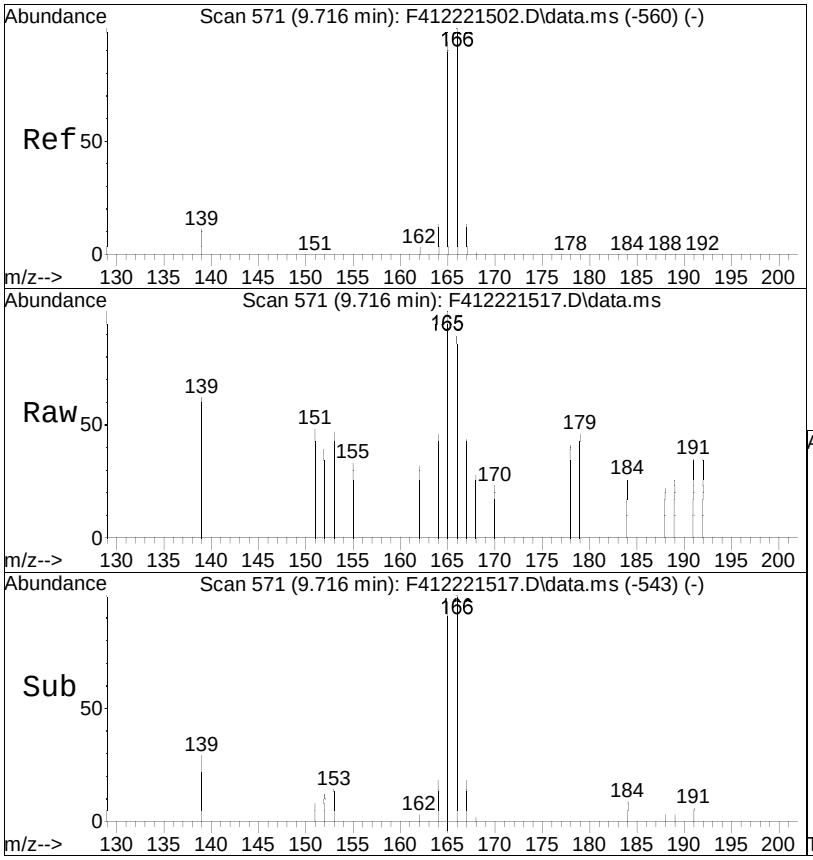


#12
Acenaphthylene
Concen: 0.54 ng/mL
RT: 9.039 min Scan# 476
Delta R.T. 0.000 min
Lab File: F412221517.D
Acq: 22 Dec 2015 11:01 pm

Tgt Ion:152 Resp: 91

Ion	Ratio	Lower	Upper
152	100		
151	71.6	15.4	23.0#

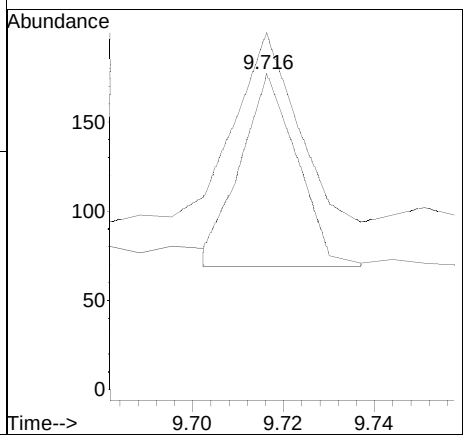


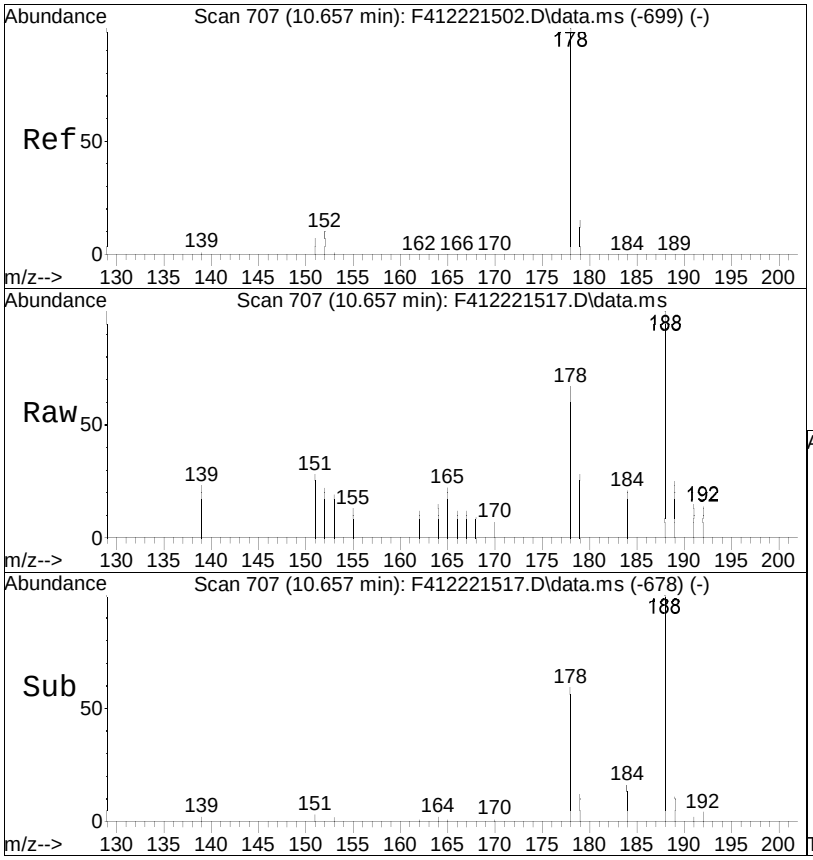


#15
Fluorene
Concen: 0.75 ng/mL M4
RT: 9.716 min Scan# 571
Delta R.T. -0.005 min
Lab File: F412221517.D
Acq: 22 Dec 2015 11:01 pm

Tgt Ion:166 Resp: 93

Ion	Ratio	Lower	Upper
166	100		
165	113.0	73.2	109.8#

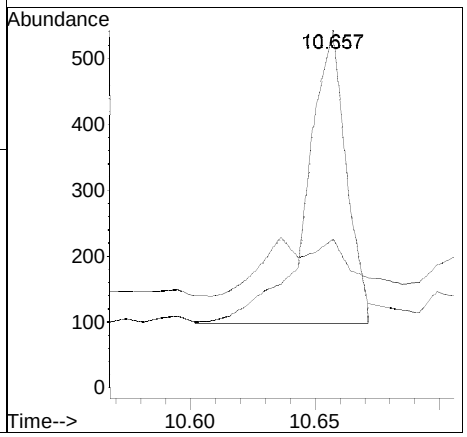


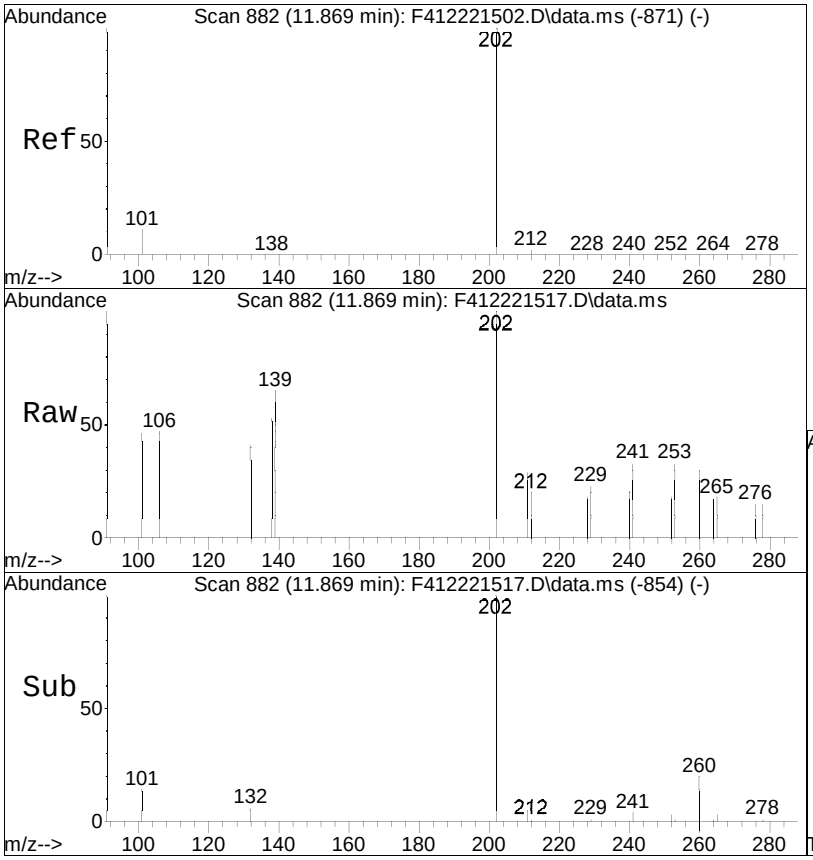


#19
Phenanthrene
Concen: 2.74 ng/mL M4
RT: 10.657 min Scan# 707
Delta R.T. 0.002 min
Lab File: F412221517.D
Acq: 22 Dec 2015 11:01 pm

Tgt Ion:178 Resp: 498

Ion	Ratio	Lower	Upper
178	100		
179	41.7	11.9	17.9#

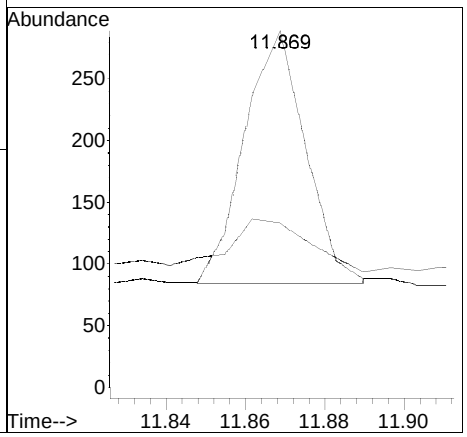


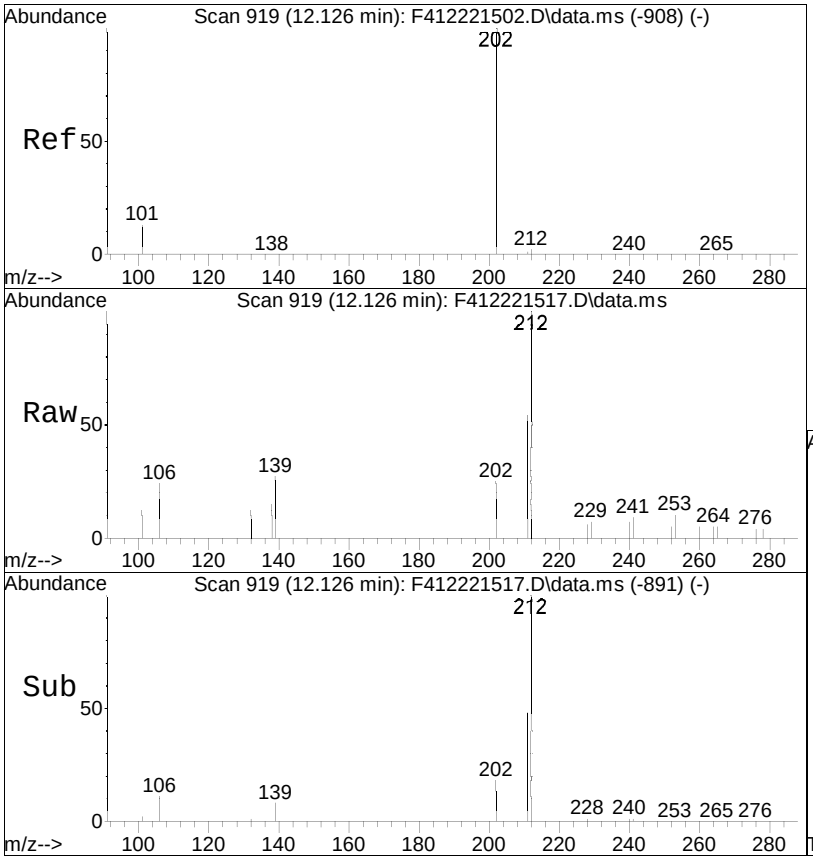


#23
Fluoranthene
Concen: 1.21 ng/mL M4
RT: 11.869 min Scan# 882
Delta R.T. -0.004 min
Lab File: F412221517.D
Acq: 22 Dec 2015 11:01 pm

Tgt Ion:202 Resp: 219

Ion	Ratio	Lower	Upper
202	100		
101	46.0	8.3	12.5#

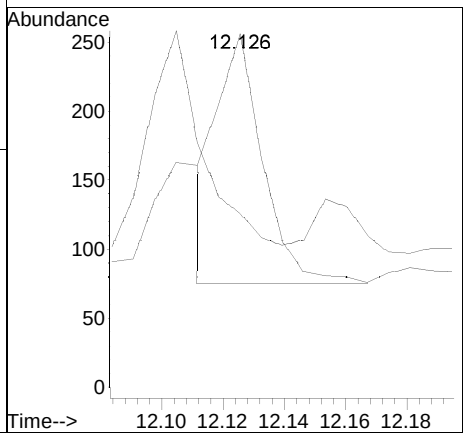


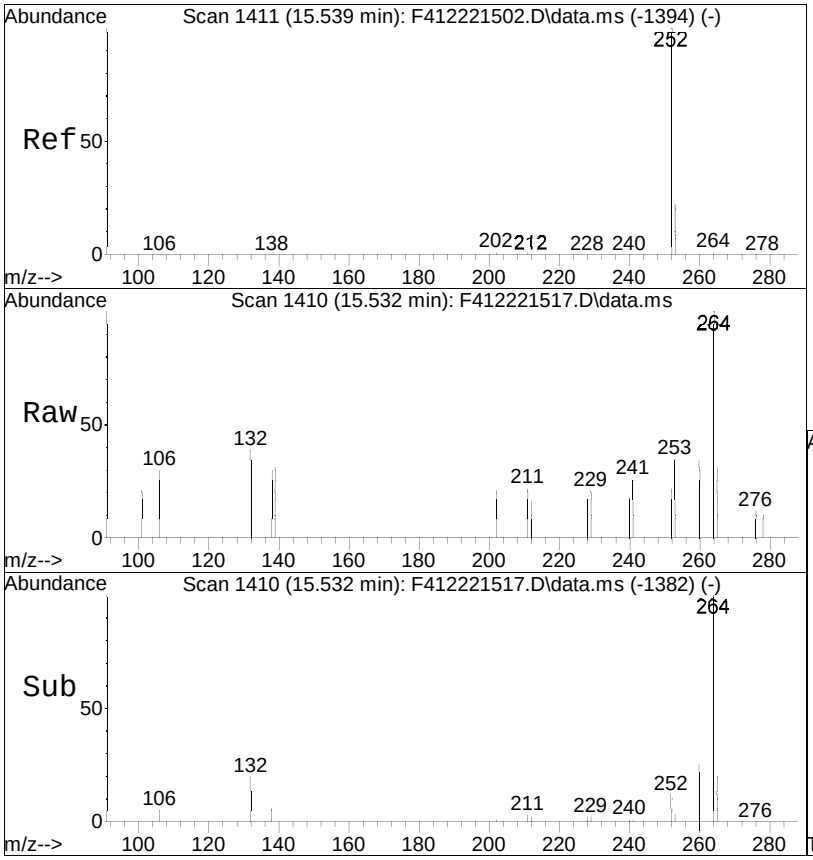


#26
Pyrene
Concen: 0.96 ng/mL M4
RT: 12.126 min Scan# 919
Delta R.T. -0.004 min
Lab File: F412221517.D
Acq: 22 Dec 2015 11:01 pm

Tgt Ion:202 Resp: 189

Ion	Ratio	Lower	Upper
202	100		
101	49.2	10.1	15.1#

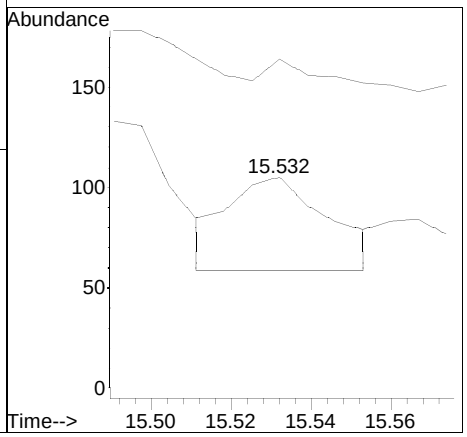


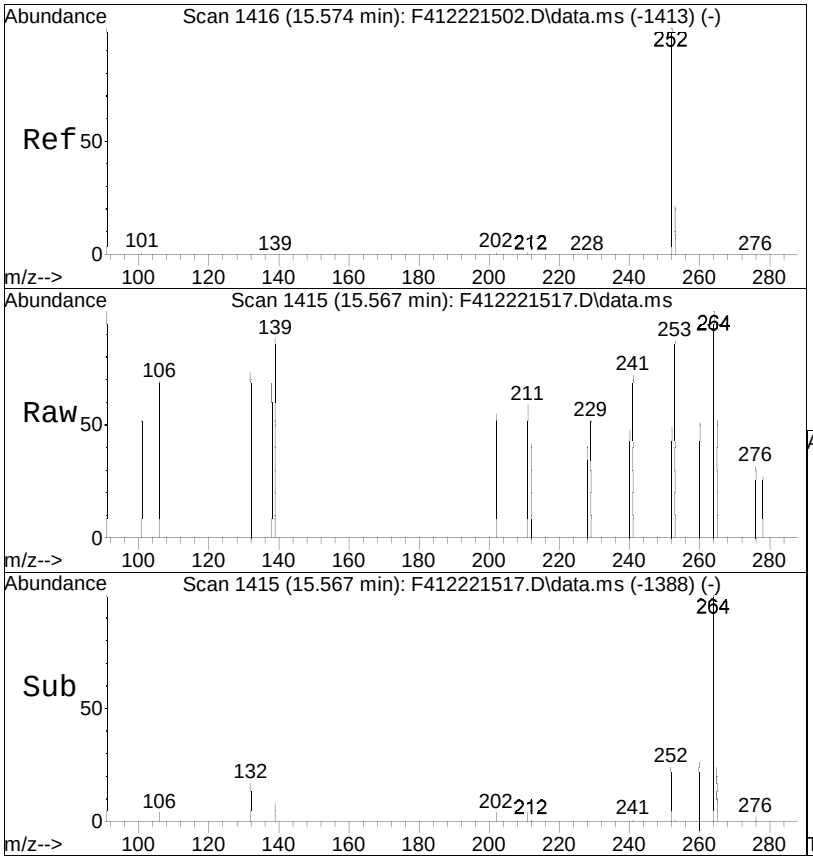


#32
Benzo[b]fluoranthene
Concen: 7.40 ng/mL M4
RT: 15.532 min Scan# 1410
Delta R.T. -0.004 min
Lab File: F412221517.D
Acq: 22 Dec 2015 11:01 pm

Tgt Ion:252 Resp: 80

Ion	Ratio	Lower	Upper
252	100		
253	156.2	17.1	25.7#

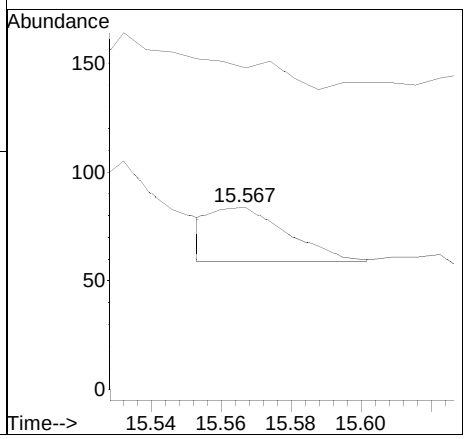


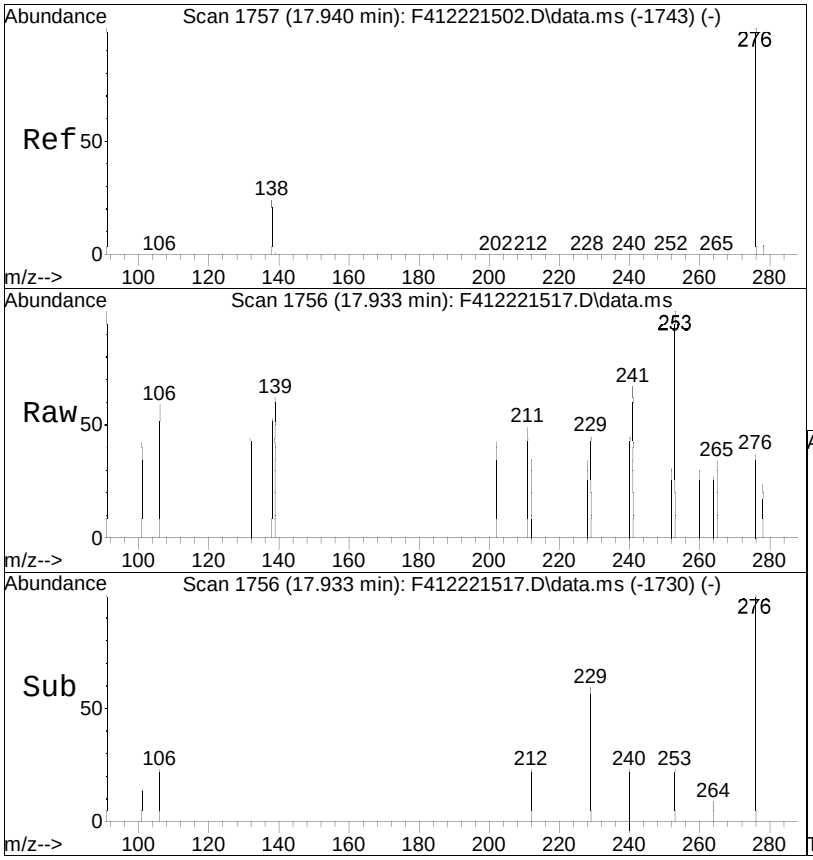


#33
Benzo[k]fluoranthene
Concen: 2.88 ng/mL M4
RT: 15.567 min Scan# 1415
Delta R.T. -0.011 min
Lab File: F412221517.D
Acq: 22 Dec 2015 11:01 pm

Tgt Ion:252 Resp: 37

Ion	Ratio	Lower	Upper
252	100		
253	176.2	17.2	25.8#

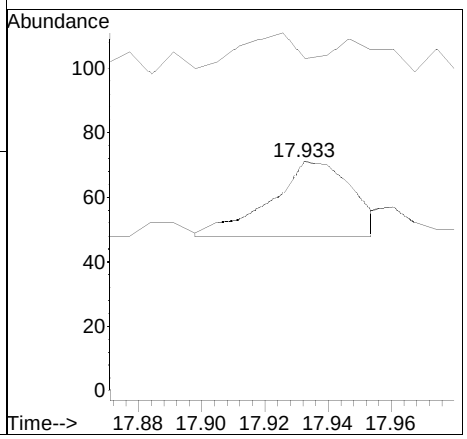


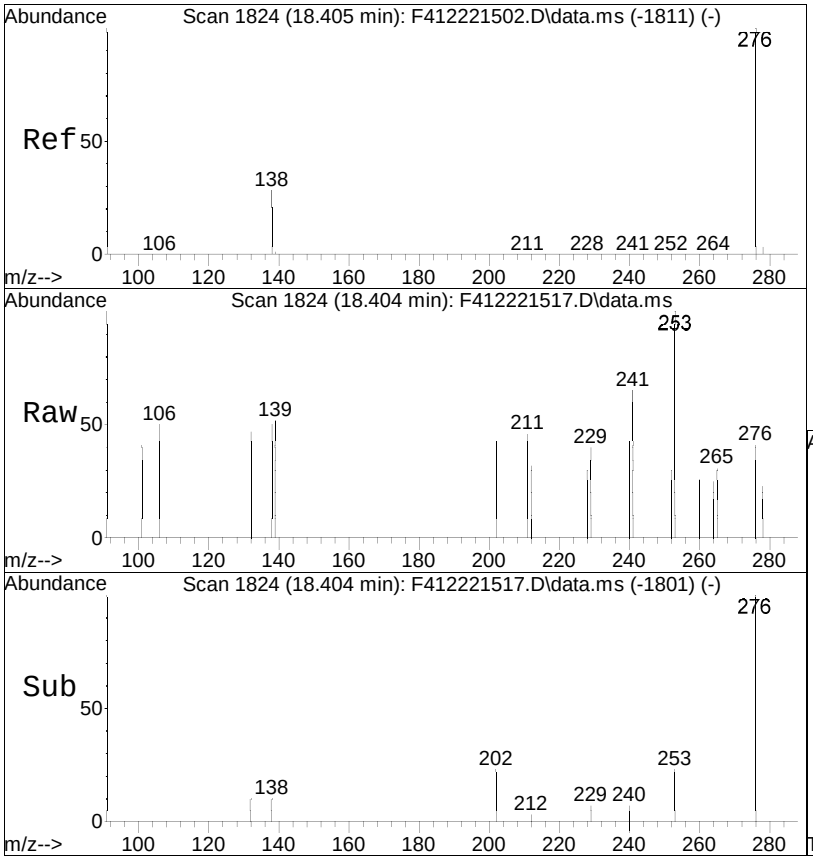


#37
Indeno[1,2,3-cd]pyrene
Concen: 6.43 ng/mL M4
RT: 17.933 min Scan# 1756
Delta R.T. -0.011 min
Lab File: F412221517.D
Acq: 22 Dec 2015 11:01 pm

Tgt Ion:276 Resp: 42

Ion	Ratio	Lower	Upper
276	100		
138	145.1	20.3	30.5#

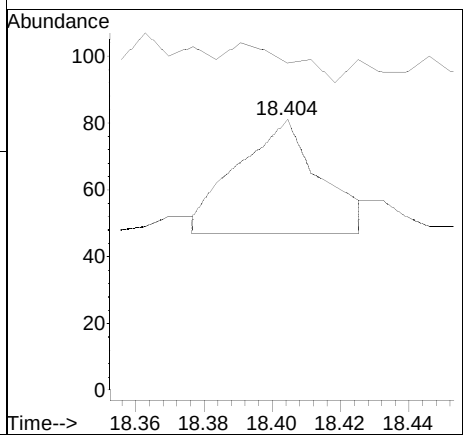




#39
Benzo[g,h,i]perylene
Concen: 5.13 ng/mL M4
RT: 18.404 min Scan# 1824
Delta R.T. -0.004 min
Lab File: F412221517.D
Acq: 22 Dec 2015 11:01 pm

Tgt Ion:276 Resp: 57

Ion	Ratio	Lower	Upper
276	100		
138	121.0	20.2	30.4#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221518.D
Acq On : 22 Dec 2015 11:31 pm
Operator : BNA4:SF
Sample : L1533592-04
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 12 12:47:58 2016
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.440	136	90538	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.191	164	44099	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.637	188	86803	500.000	ng/mL	0.00
24) Chrysene-d12	13.791	240	69571	500.000	ng/mL	0.00
29) Perylene-d12	16.163	264	59836	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.116	152	32668	333.275	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 6.67%#			
25) Pyrene-d10	12.105	212	53323	394.979	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 7.90%#			
31) Benzo[b]fluoranthene-d12	15.491	264	36571	373.345	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 7.47%#			
Target Compounds						Qvalue
2) Naphthalene	7.462	128	1717M4	8.995	ng/mL	
5) 2-Methylnaphthalene	8.145	142	282M4	2.355	ng/mL	
12) Acenaphthylene	9.039	152	116M4	0.660	ng/mL	
13) Acenaphthene	9.220	153	235M4	1.964	ng/mL	
15) Fluorene	9.716	166	191M4	1.482	ng/mL	
19) Phenanthrene	10.657	178	762M4	3.990	ng/mL	
20) Anthracene	10.699	178	108M4	0.615	ng/mL	
23) Fluoranthene	11.869	202	575M4	3.029	ng/mL	
26) Pyrene	12.126	202	416M4	2.001	ng/mL	
27) Benz[a]anthracene	13.763	228	118M4	5.130	ng/mL	
28) Chrysene	13.825	228	187M4	1.158	ng/mL	
32) Benzo[b]fluoranthene	15.525	252	169M4	7.904	ng/mL	
33) Benzo[k]fluoranthene	15.560	252	142M4	3.635	ng/mL	
35) Benzo[a]pyrene	16.059	252	132M4	6.601	ng/mL	
37) Indeno[1,2,3-cd]pyrene	17.933	276	129M4	7.068	ng/mL	
38) Dibenz[a,h]anthracene	17.974	278	38M4	5.289	ng/mL	
39) Benzo[g,h,i]perylene	18.404	276	130M4	5.629	ng/mL	

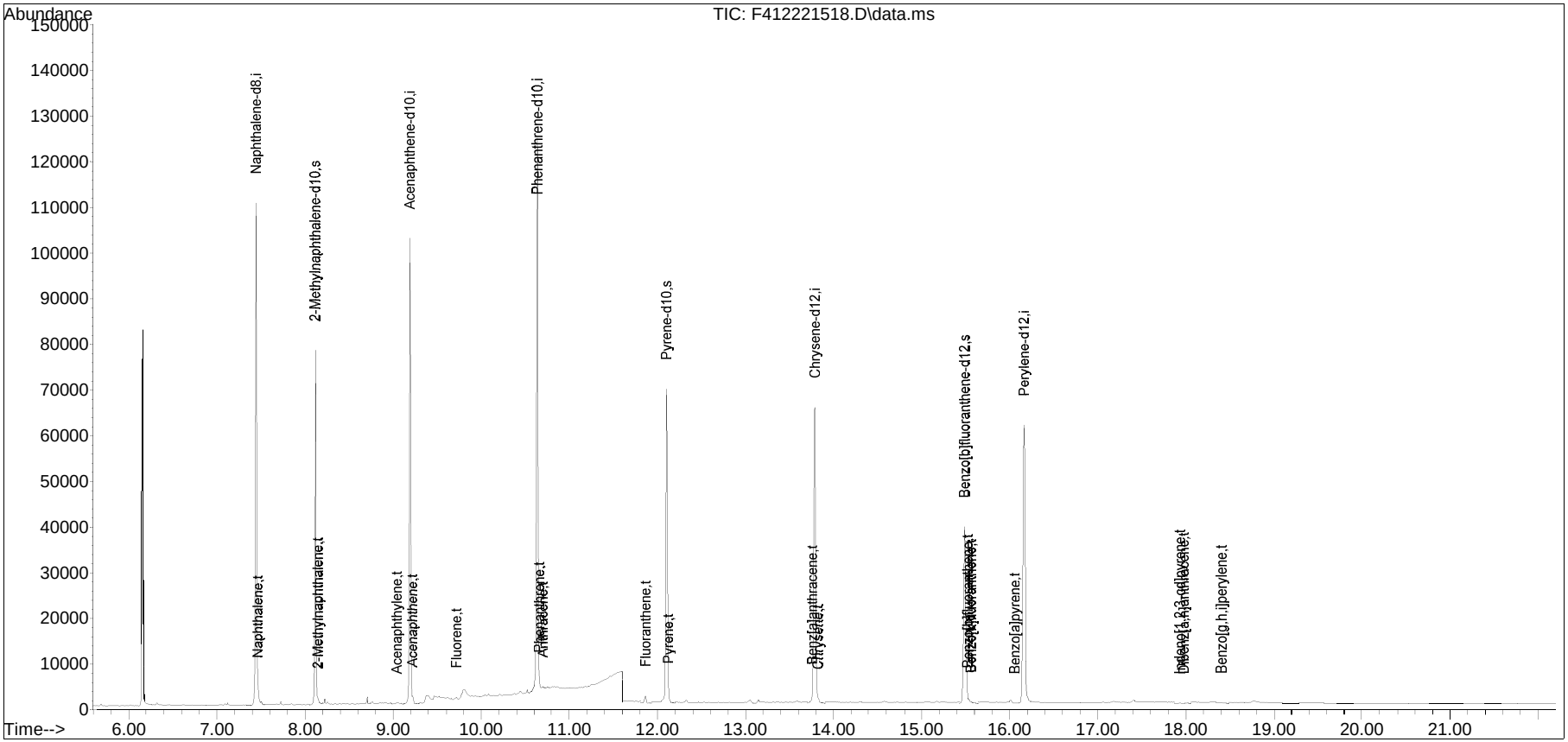
(#) = qualifier out of range (m) = manual integration (+) = signals summed

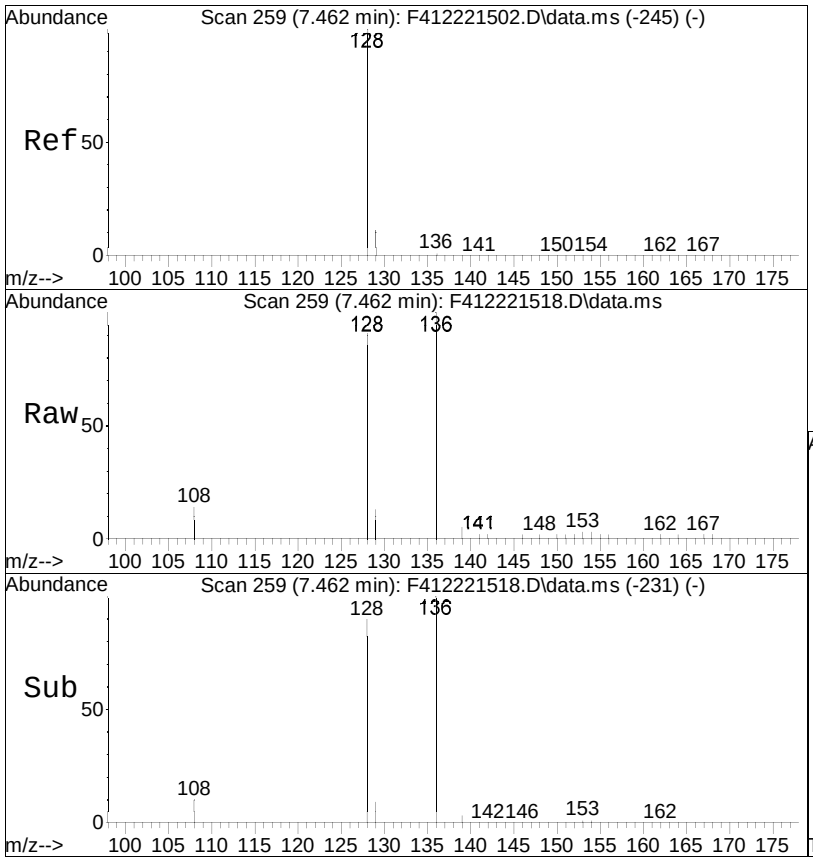
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221518.D
Acq On : 22 Dec 2015 11:31 pm
Operator : BNA4:SF
Sample : L1533592-04
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 12 12:47:58 2016
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

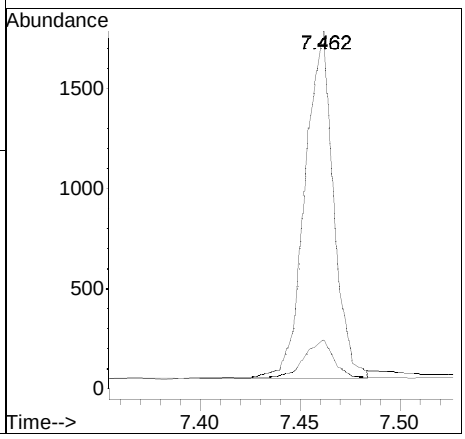


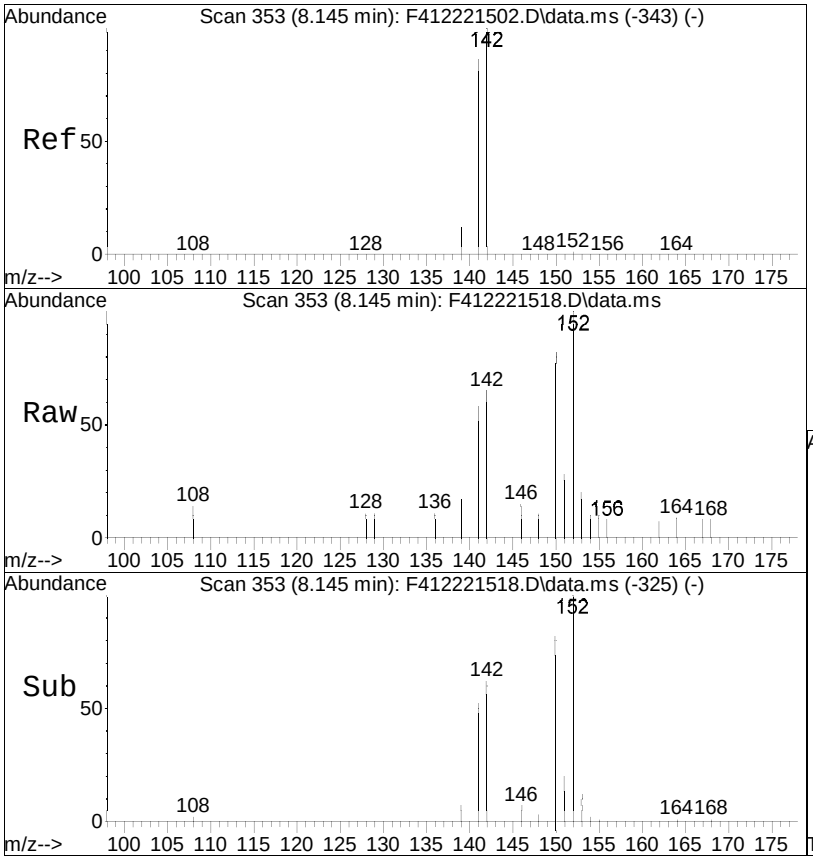


#2
Naphthalene
Concen: 9.00 ng/mL M4
RT: 7.462 min Scan# 259
Delta R.T. 0.000 min
Lab File: F412221518.D
Acq: 22 Dec 2015 11:31 pm

Tgt Ion:128 Resp: 1717

Ion	Ratio	Lower	Upper
128	100		
129	13.8	8.7	13.1#

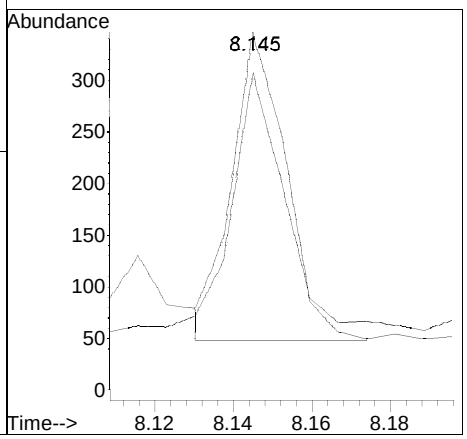


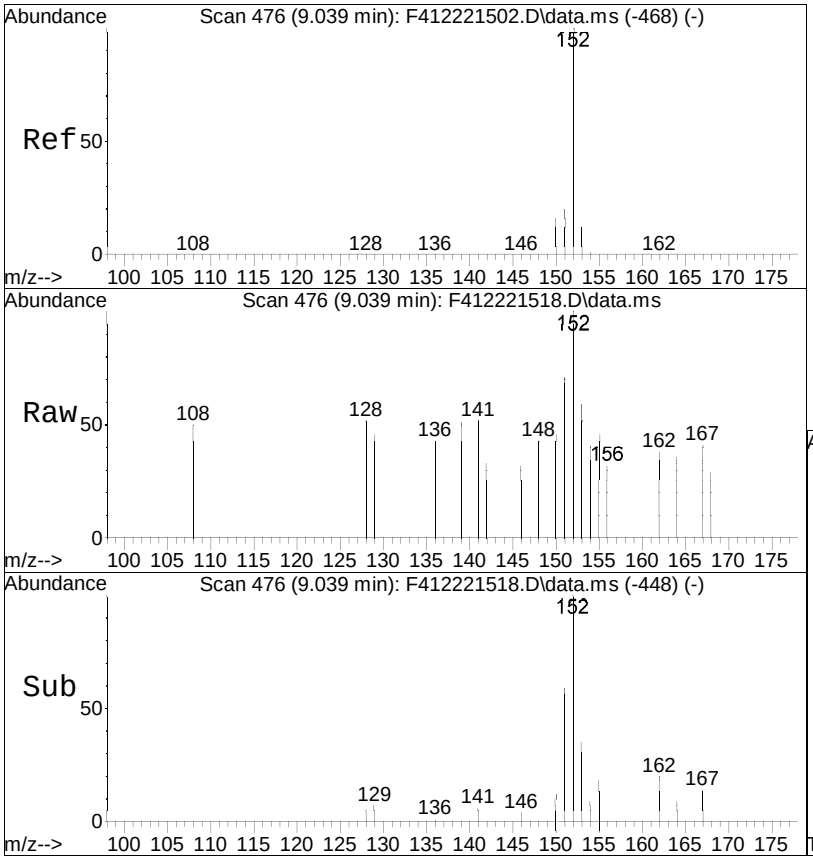


#5
2-Methylnaphthalene
Concen: 2.35 ng/mL M4
RT: 8.145 min Scan# 353
Delta R.T. 0.000 min
Lab File: F412221518.D
Acq: 22 Dec 2015 11:31 pm

Tgt Ion:142 Resp: 282

Ion	Ratio	Lower	Upper
142	100		
141	88.7	68.8	103.2

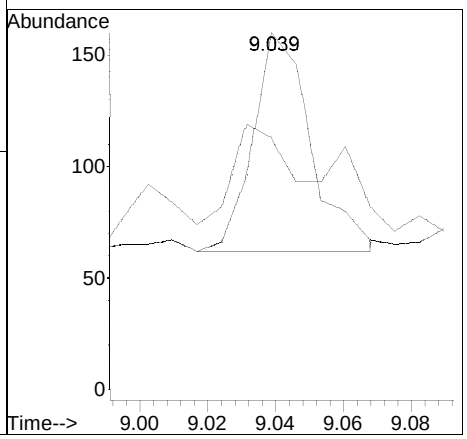


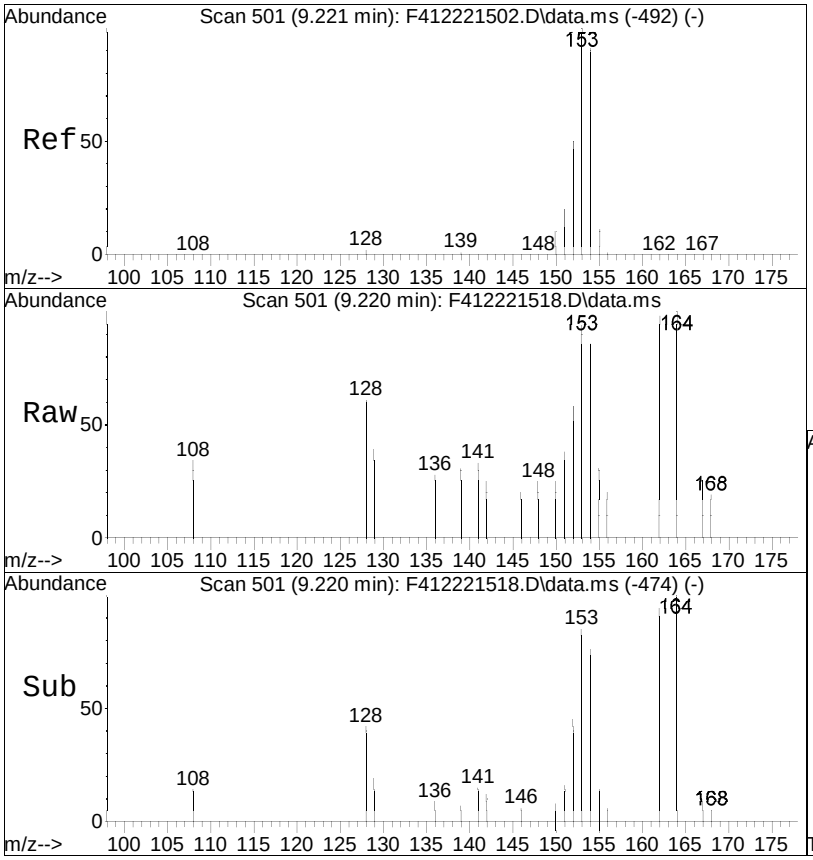


#12
Acenaphthylene
Concen: 0.66 ng/mL M4
RT: 9.039 min Scan# 476
Delta R.T. 0.000 min
Lab File: F412221518.D
Acq: 22 Dec 2015 11:31 pm

Tgt Ion:152 Resp: 116

Ion	Ratio	Lower	Upper
152	100		
151	70.6	15.4	23.0#

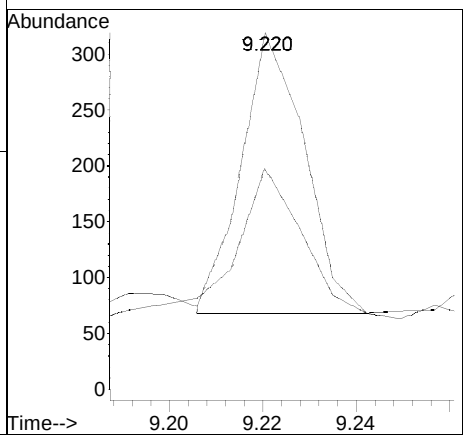


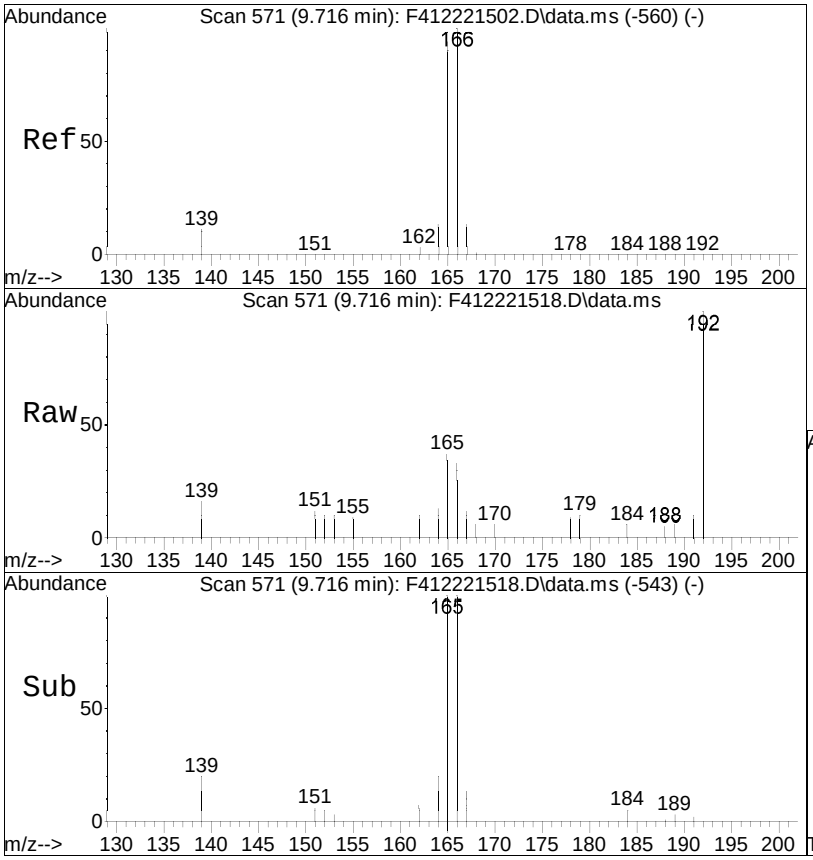


#13
Acenaphthene
Concen: 1.96 ng/mL M4
RT: 9.220 min Scan# 501
Delta R.T. 0.000 min
Lab File: F412221518.D
Acq: 22 Dec 2015 11:31 pm

Tgt Ion:153 Resp: 235

Ion	Ratio	Lower	Upper
153	100		
152	62.1	37.8	56.8#

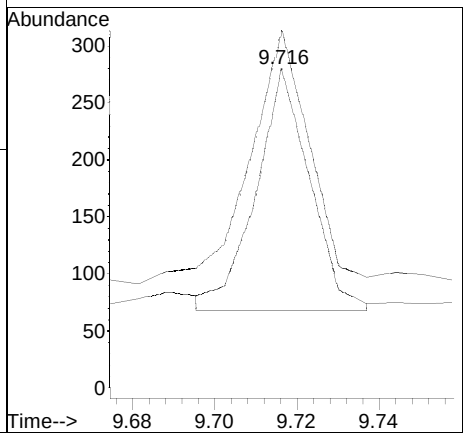


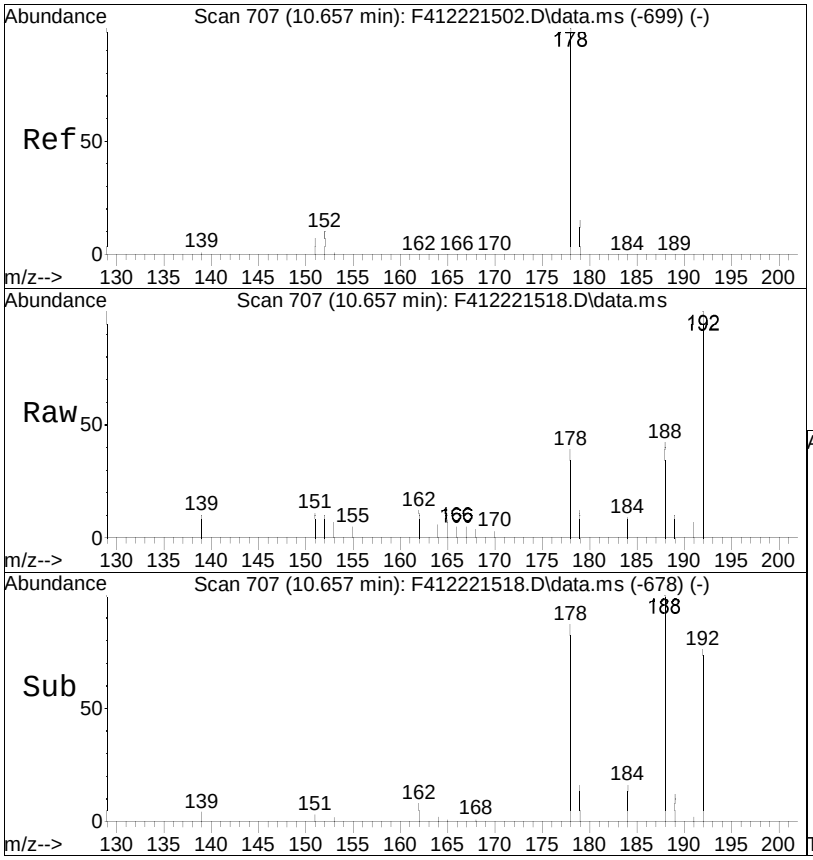


#15
Fluorene
Concen: 1.48 ng/mL M4
RT: 9.716 min Scan# 571
Delta R.T. -0.005 min
Lab File: F412221518.D
Acq: 22 Dec 2015 11:31 pm

Tgt Ion:166 Resp: 191

Ion	Ratio	Lower	Upper
166	100		
165	111.8	73.2	109.8#

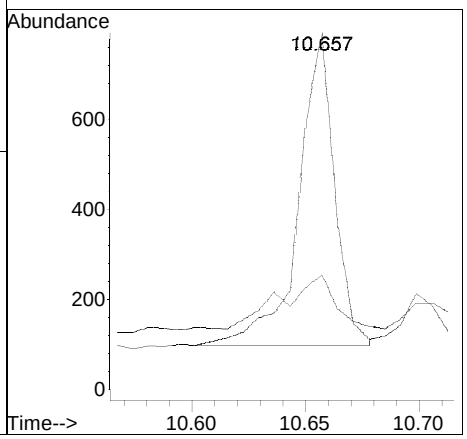


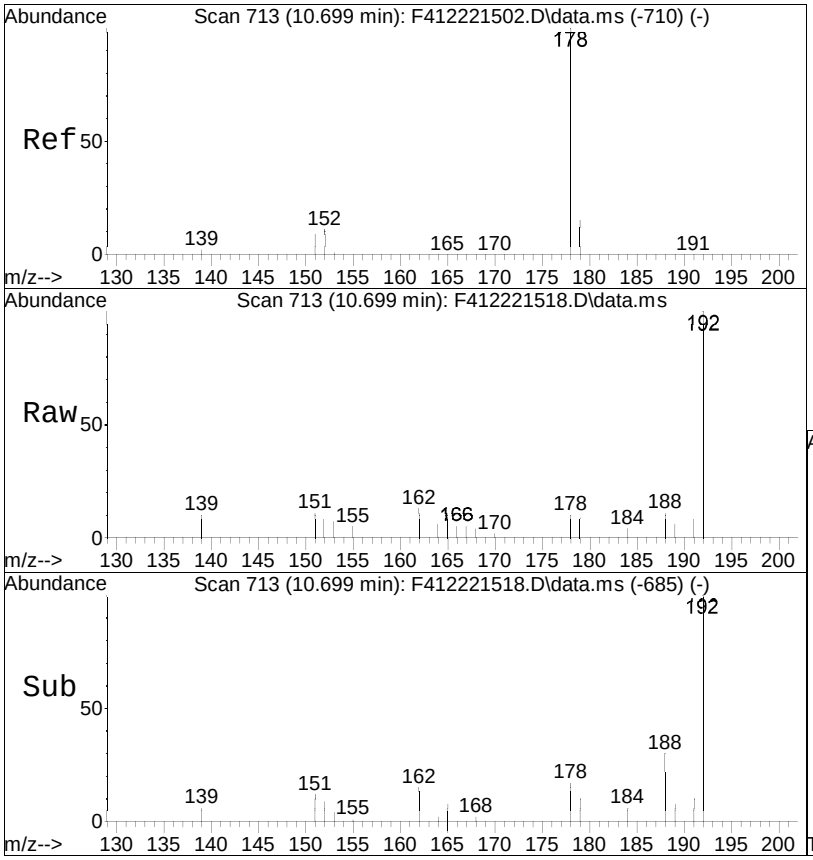


#19
Phenanthrene
Concen: 3.99 ng/mL M4
RT: 10.657 min Scan# 707
Delta R.T. 0.002 min
Lab File: F412221518.D
Acq: 22 Dec 2015 11:31 pm

Tgt Ion:178 Resp: 762

Ion	Ratio	Lower	Upper
178	100		
179	32.3	11.9	17.9#

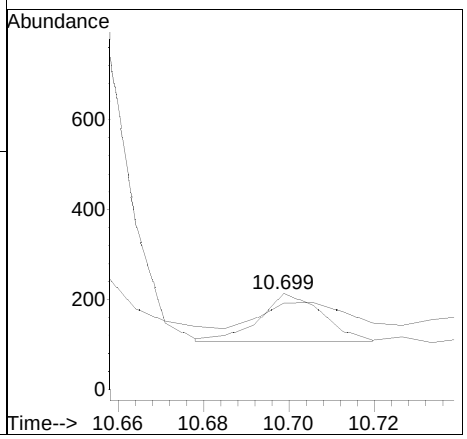


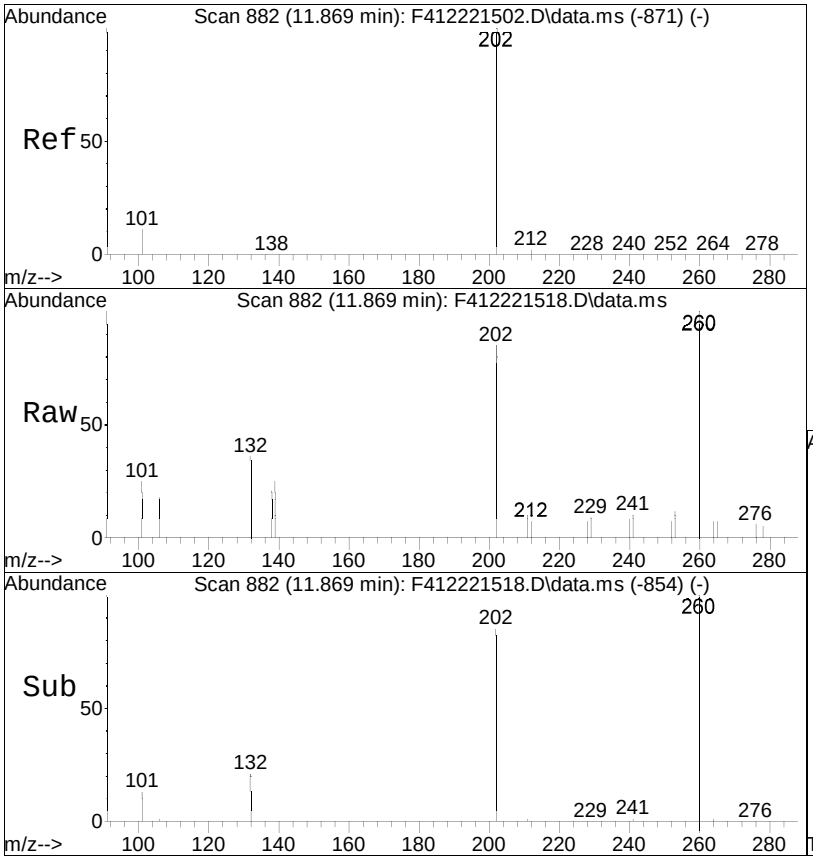


#20
Anthracene
Concen: 0.61 ng/mL M4
RT: 10.699 min Scan# 713
Delta R.T. -0.004 min
Lab File: F412221518.D
Acq: 22 Dec 2015 11:31 pm

Tgt Ion:178 Resp: 108

Ion	Ratio	Lower	Upper
178	100		
179	89.7	11.8	17.8#

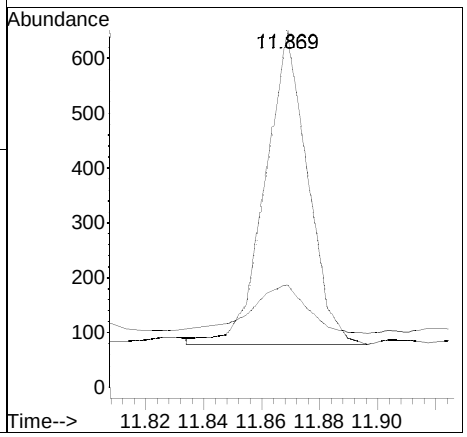


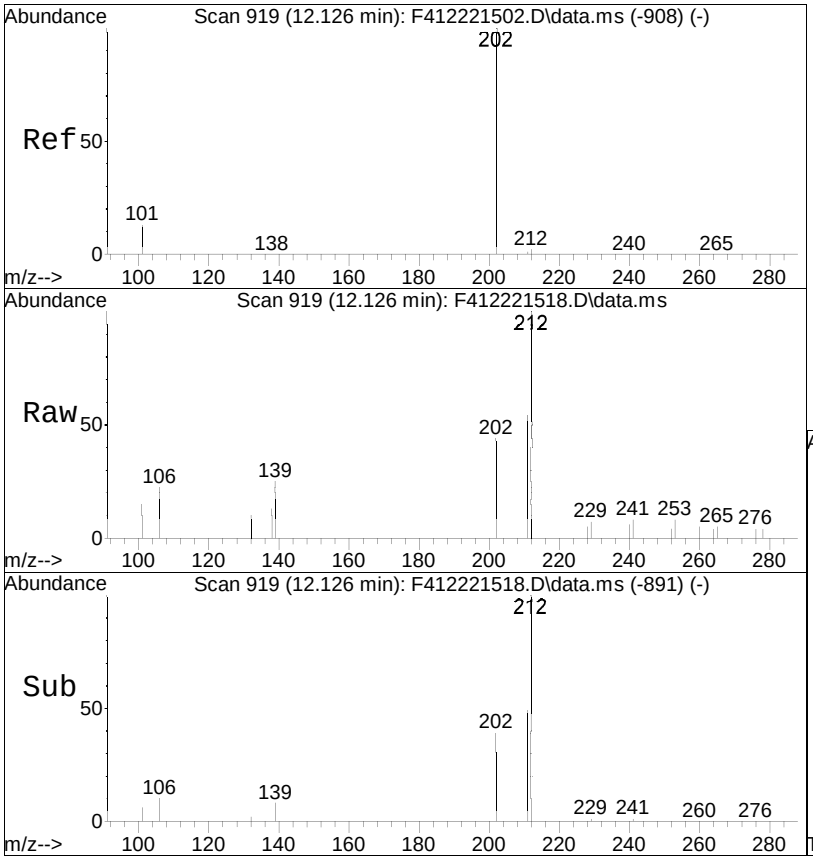


#23
Fluoranthene
Concen: 3.03 ng/mL M4
RT: 11.869 min Scan# 882
Delta R.T. -0.004 min
Lab File: F412221518.D
Acq: 22 Dec 2015 11:31 pm

Tgt Ion:202 Resp: 575

Ion	Ratio	Lower	Upper
202	100		
101	28.9	8.3	12.5#

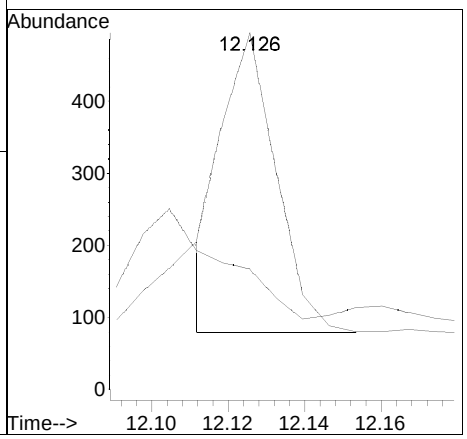


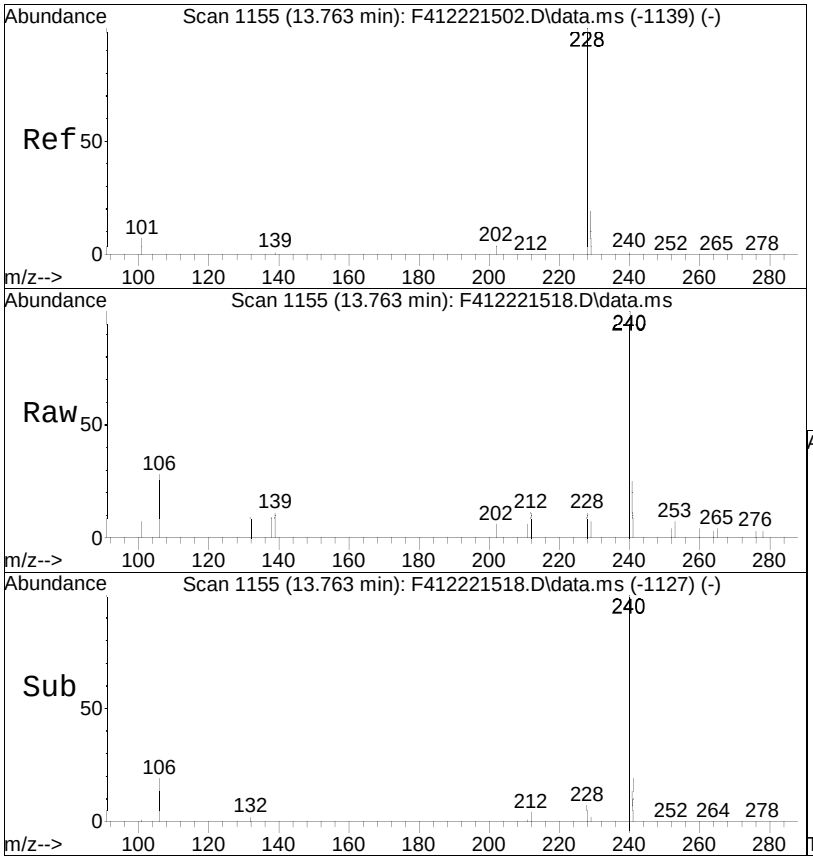


#26
Pyrene
Concen: 2.00 ng/mL M4
RT: 12.126 min Scan# 919
Delta R.T. -0.004 min
Lab File: F412221518.D
Acq: 22 Dec 2015 11:31 pm

Tgt Ion:202 Resp: 416

Ion	Ratio	Lower	Upper
202	100		
101	33.9	10.1	15.1#

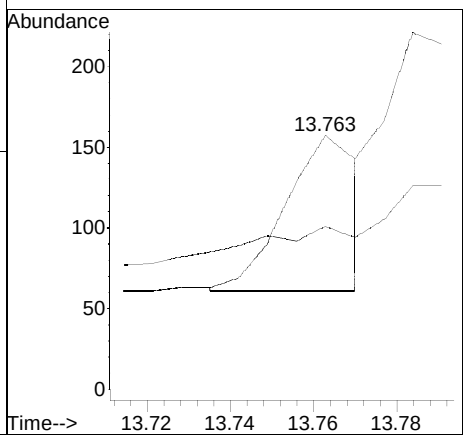


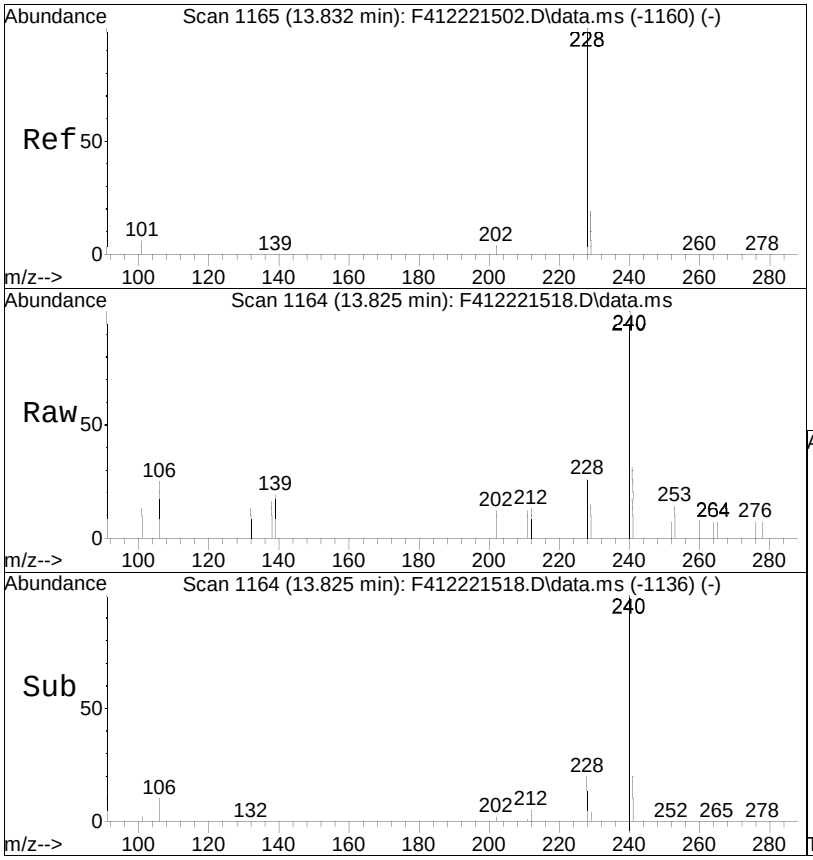


#27
Benz[a]anthracene
Concen: 5.13 ng/mL M4
RT: 13.763 min Scan# 1155
Delta R.T. -0.004 min
Lab File: F412221518.D
Acq: 22 Dec 2015 11:31 pm

Tgt Ion:228 Resp: 118

Ion	Ratio	Lower	Upper
228	100		
229	64.3	15.2	22.8#

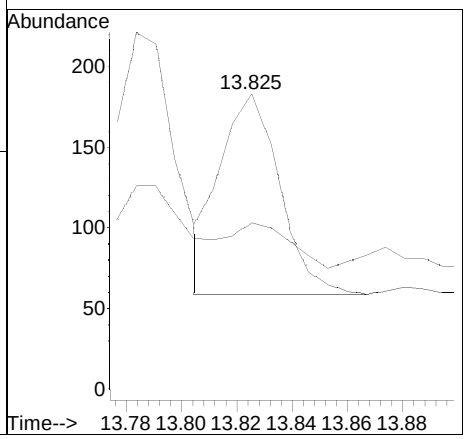


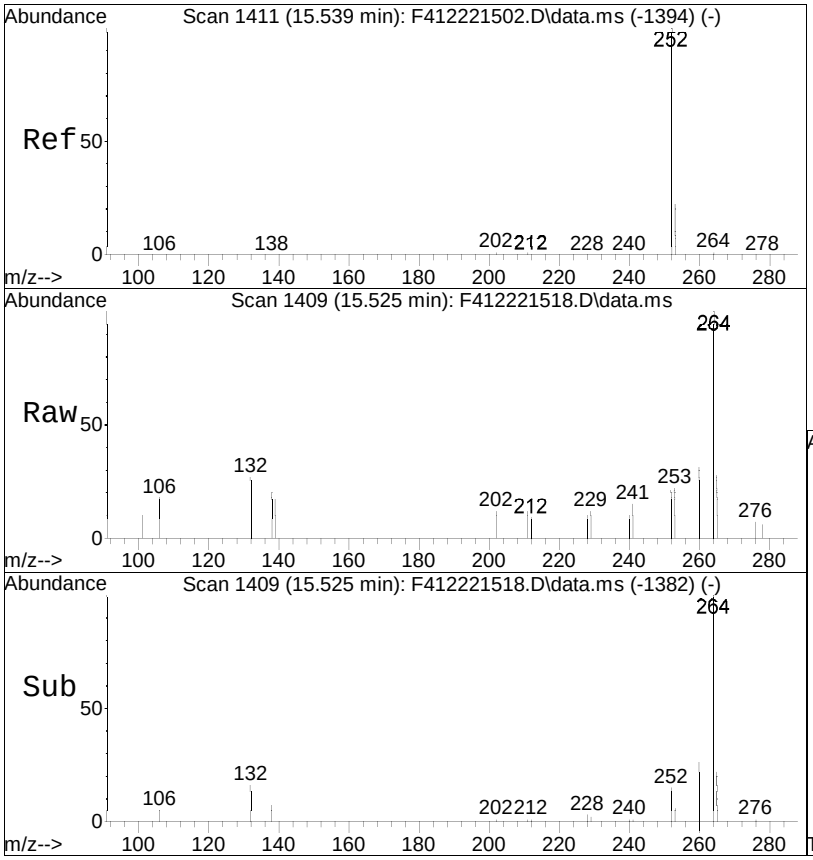


#28
Chrysene
Concen: 1.16 ng/mL M4
RT: 13.825 min Scan# 1164
Delta R.T. -0.004 min
Lab File: F412221518.D
Acq: 22 Dec 2015 11:31 pm

Tgt Ion:228 Resp: 187

Ion	Ratio	Lower	Upper
228	100		
229	56.3	15.0	22.6#

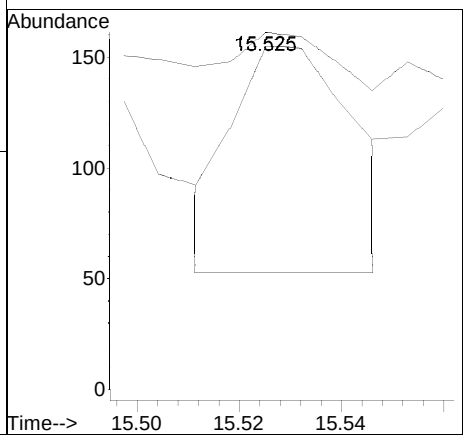


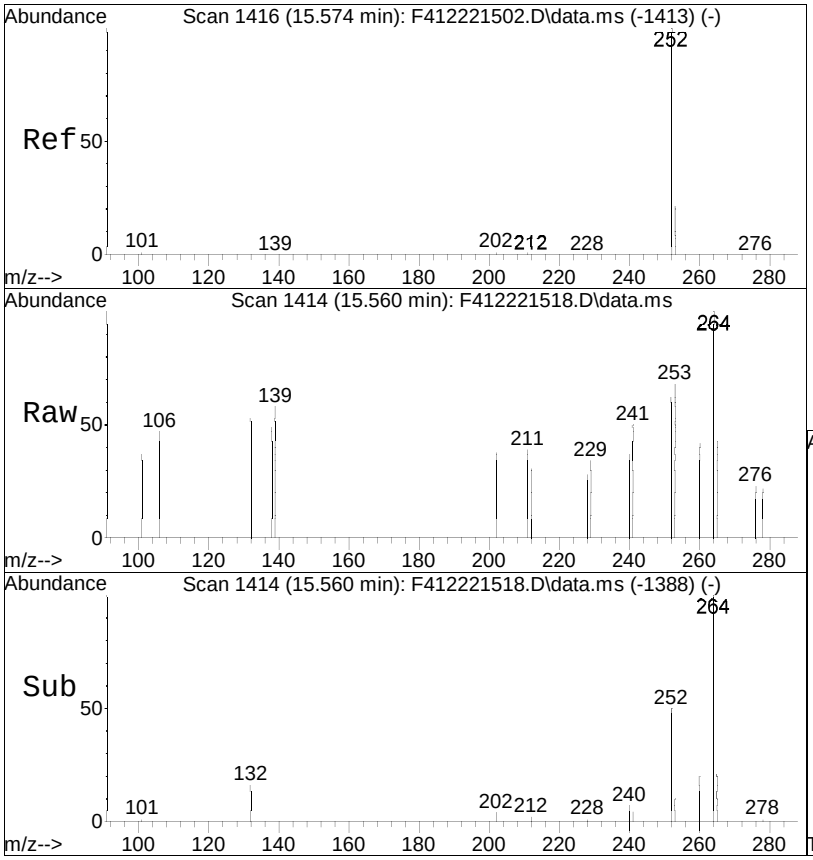


#32
Benzo[b]fluoranthene
Concen: 7.90 ng/mL M4
RT: 15.525 min Scan# 1409
Delta R.T. -0.011 min
Lab File: F412221518.D
Acq: 22 Dec 2015 11:31 pm

Tgt Ion:252 Resp: 169

Ion	Ratio	Lower	Upper
252	100		
253	103.9	17.1	25.7#

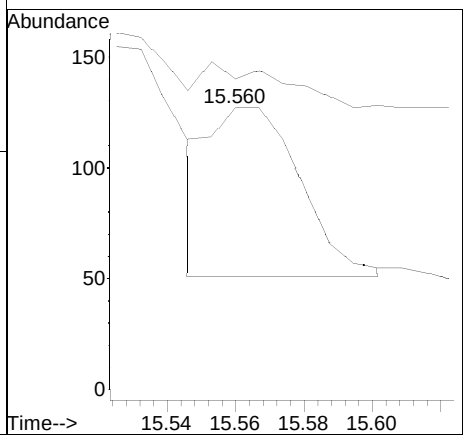


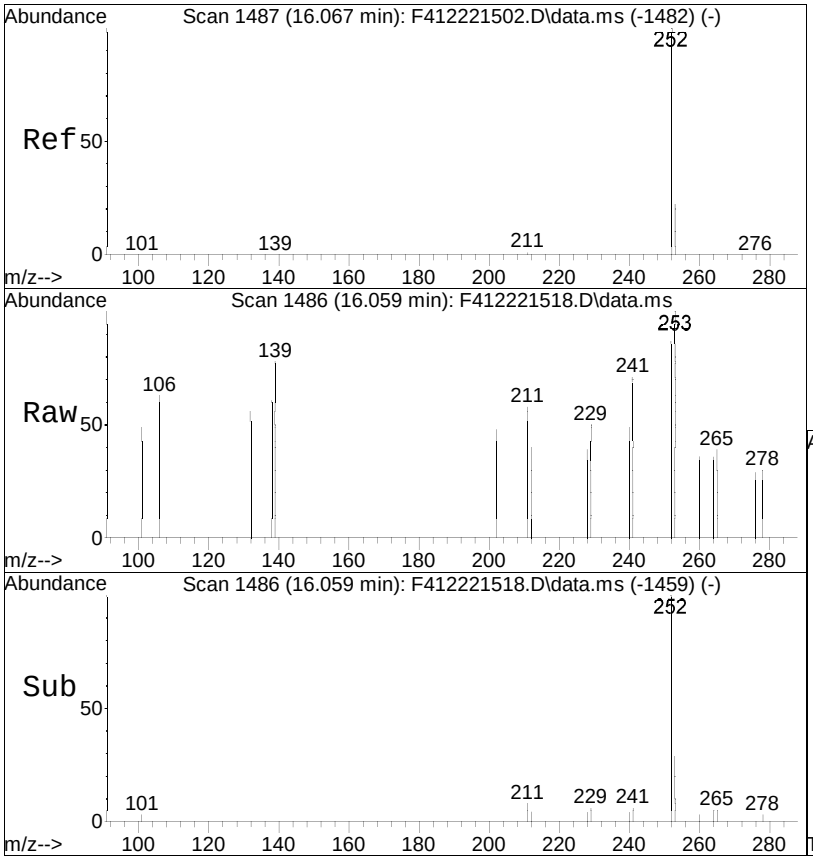


#33
Benzo[k]fluoranthene
Concen: 3.63 ng/mL M4
RT: 15.560 min Scan# 1414
Delta R.T. -0.018 min
Lab File: F412221518.D
Acq: 22 Dec 2015 11:31 pm

Tgt Ion:252 Resp: 142

Ion	Ratio	Lower	Upper
252	100		
253	110.2	17.2	25.8#

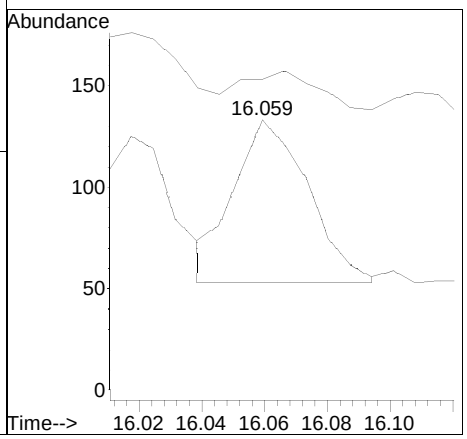


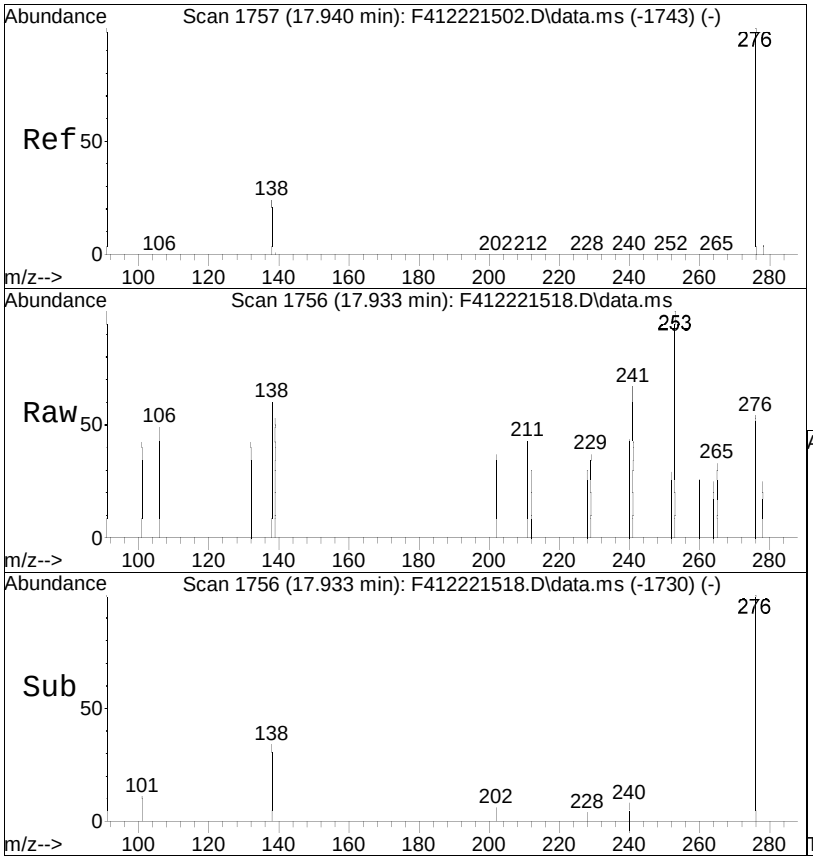


#35
Benzo[a]pyrene
Concen: 6.60 ng/mL M4
RT: 16.059 min Scan# 1486
Delta R.T. -0.011 min
Lab File: F412221518.D
Acq: 22 Dec 2015 11:31 pm

Tgt Ion:252 Resp: 132

Ion	Ratio	Lower	Upper
252	100		
253	115.0	17.3	25.9#

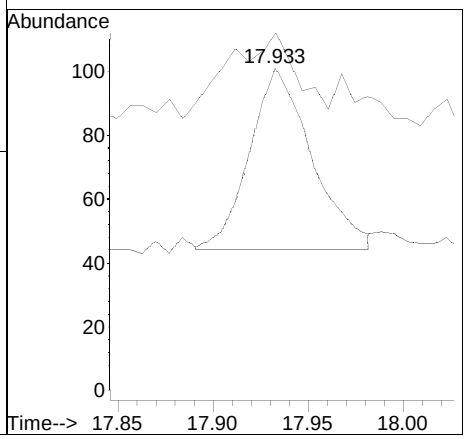


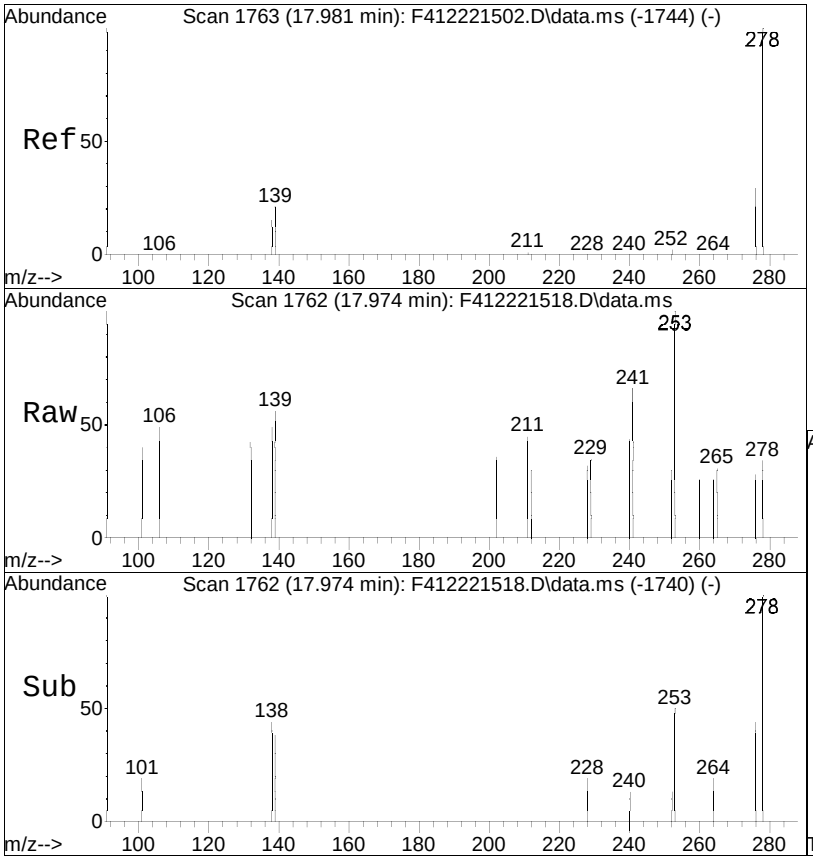


#37
Indeno[1,2,3-cd]pyrene
Concen: 7.07 ng/mL M4
RT: 17.933 min Scan# 1756
Delta R.T. -0.011 min
Lab File: F412221518.D
Acq: 22 Dec 2015 11:31 pm

Tgt Ion:276 Resp: 129

Ion	Ratio	Lower	Upper
276	100		
138	110.9	20.3	30.5#

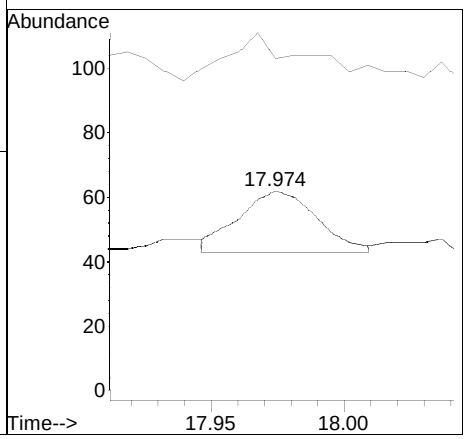


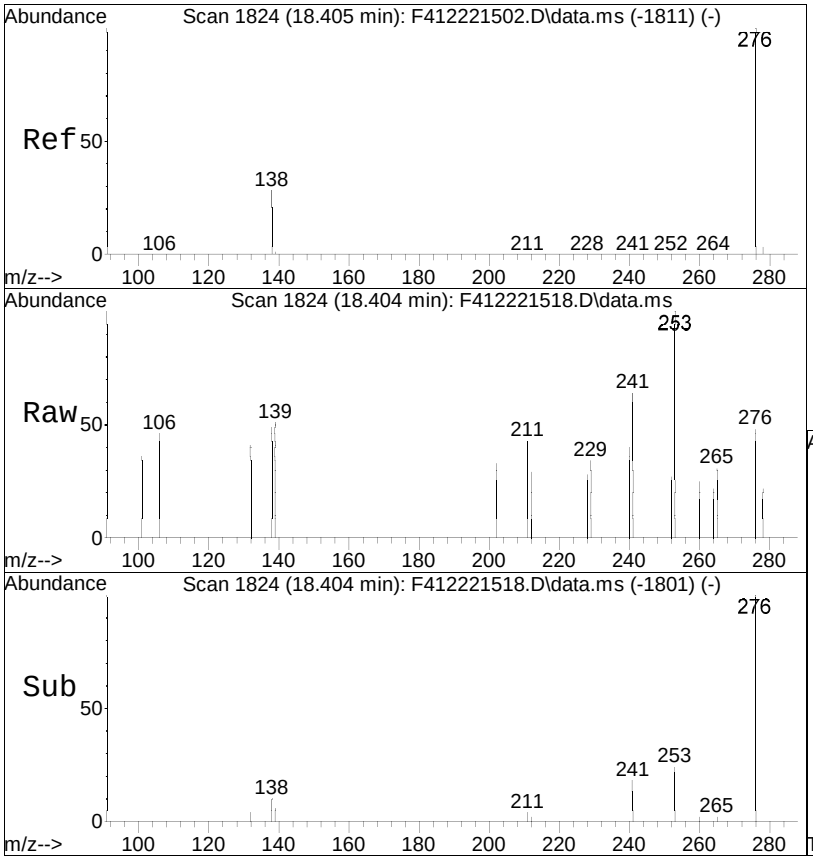


#38
Dibenz[a,h]anthracene
Concen: 5.29 ng/mL M4
RT: 17.974 min Scan# 1762
Delta R.T. -0.011 min
Lab File: F412221518.D
Acq: 22 Dec 2015 11:31 pm

Tgt Ion:278 Resp: 38

Ion	Ratio	Lower	Upper
278	100		
139	166.1	16.3	24.5#

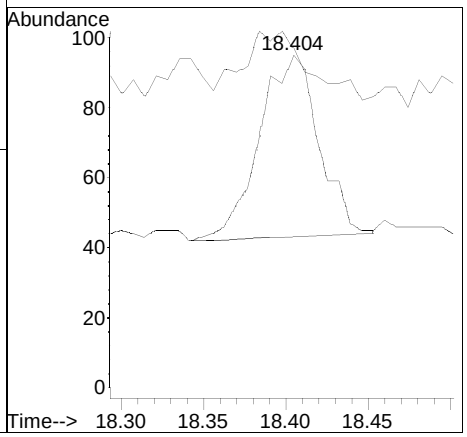




#39
Benzo[g,h,i]perylene
Concen: 5.63 ng/mL M4
RT: 18.404 min Scan# 1824
Delta R.T. -0.004 min
Lab File: F412221518.D
Acq: 22 Dec 2015 11:31 pm

Tgt Ion:276 Resp: 130

Ion	Ratio	Lower	Upper
276	100		
138	102.1	20.2	30.4#

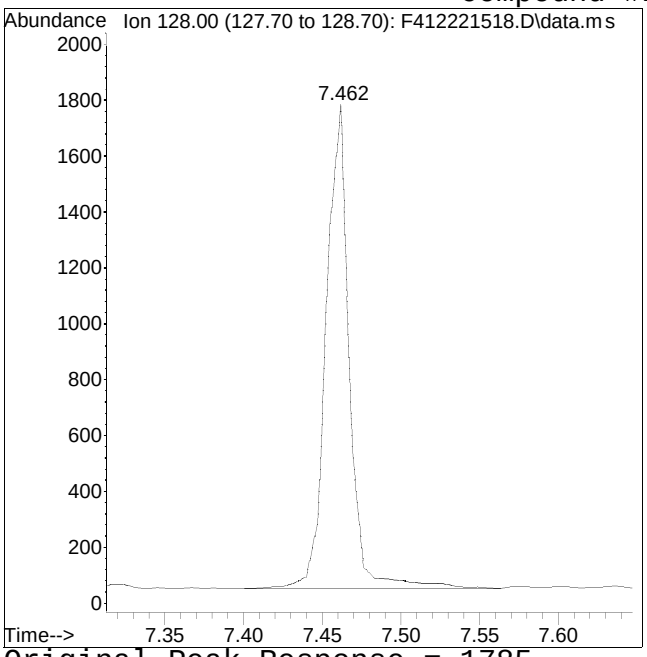


Manual Integration/Negative Proof Report

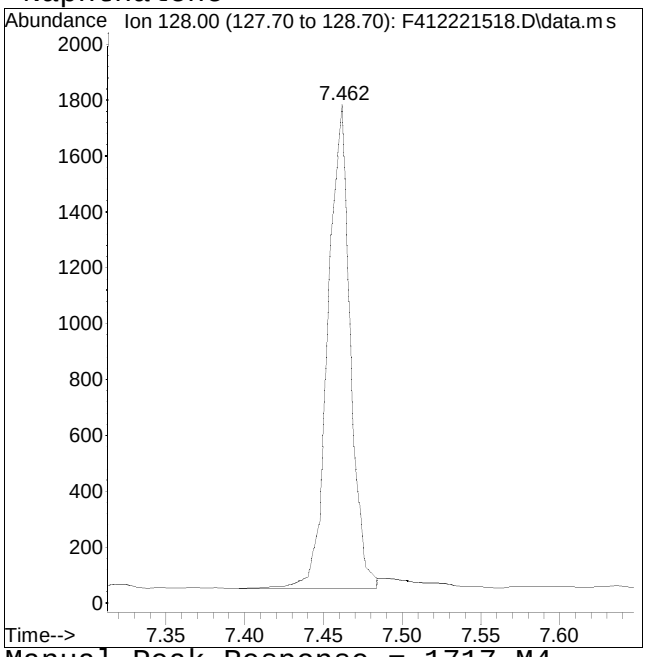
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412221518.D
Date Inj'd : 12/22/2015 11:31 pm
Sample : L1533592-04

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/23/2015 9:19 am

Compound #2: Naphthalene



Original Peak Response = 1785



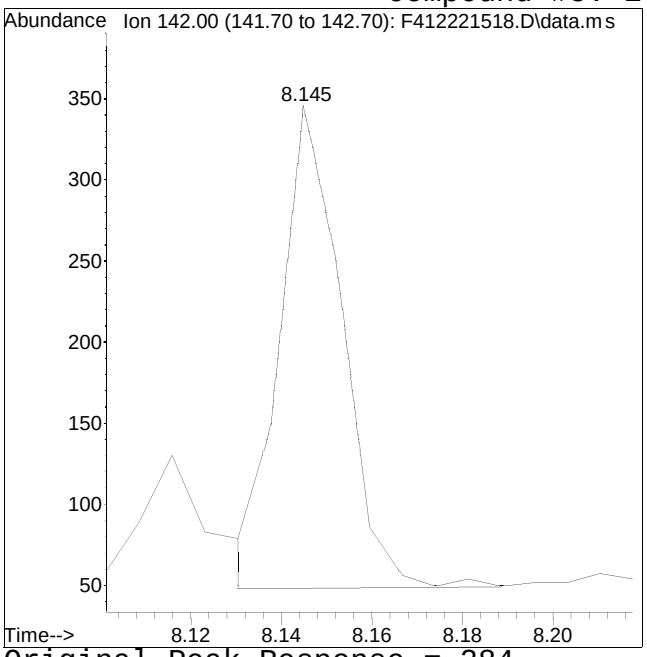
Manual Peak Response = 1717 M4

M4 = Poor automated baseline construction.

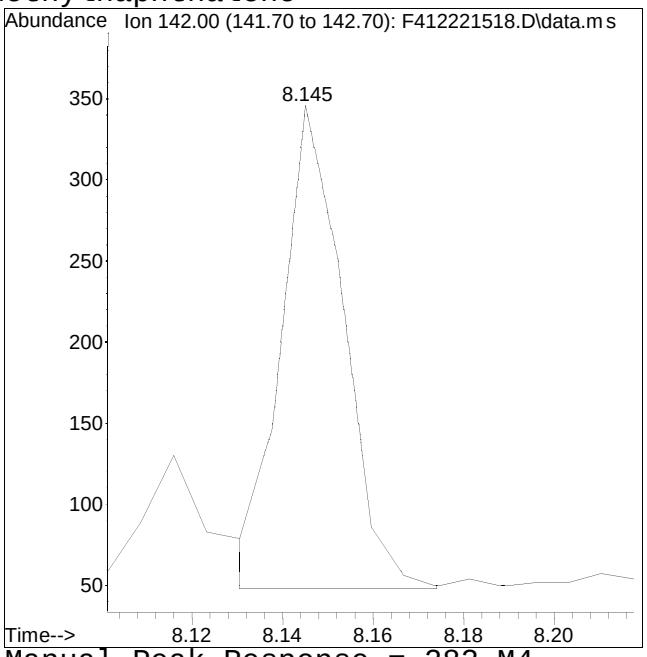
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412221518.D Operator : BNA4:SF
Date Inj'd : 12/22/2015 11:31 pm Instrument : BNA4
Sample : L1533592-04 Quant Date : 12/23/2015 9:19 am

Compound #5: 2-Methylnaphthalene



Original Peak Response = 284



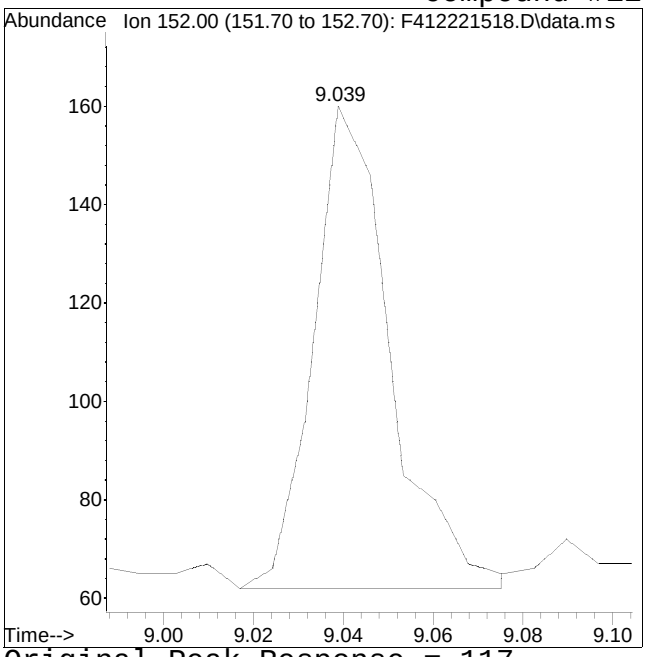
Manual Peak Response = 282 M4

M4 = Poor automated baseline construction.

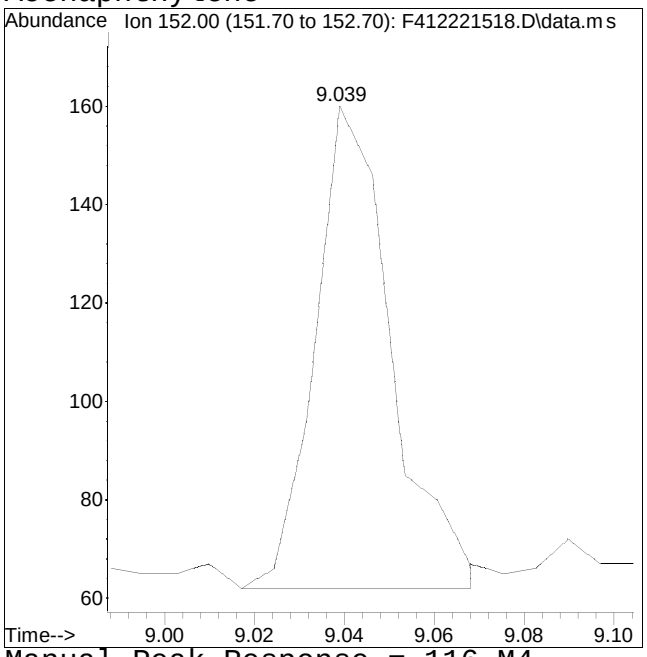
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412221518.D Operator : BNA4:SF
Date Inj'd : 12/22/2015 11:31 pm Instrument : BNA4
Sample : L1533592-04 Quant Date : 12/23/2015 9:19 am

Compound #12: Acenaphthylene



Original Peak Response = 117



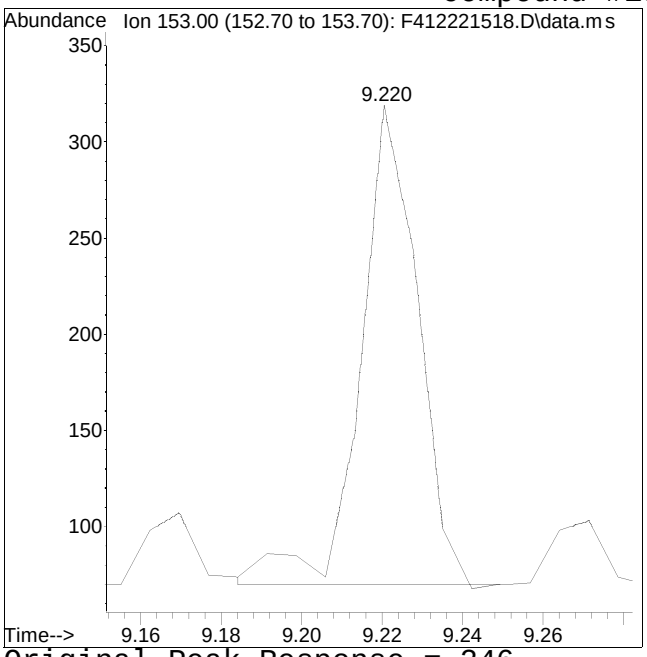
Manual Peak Response = 116 M4

M4 = Poor automated baseline construction.

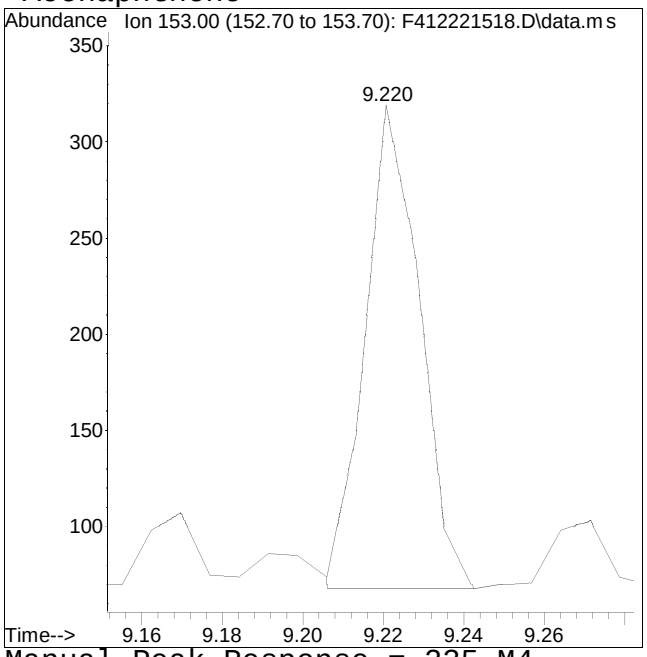
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412221518.D Operator : BNA4:SF
Date Inj'd : 12/22/2015 11:31 pm Instrument : BNA4
Sample : L1533592-04 Quant Date : 12/23/2015 9:19 am

Compound #13: Acenaphthene



Original Peak Response = 246



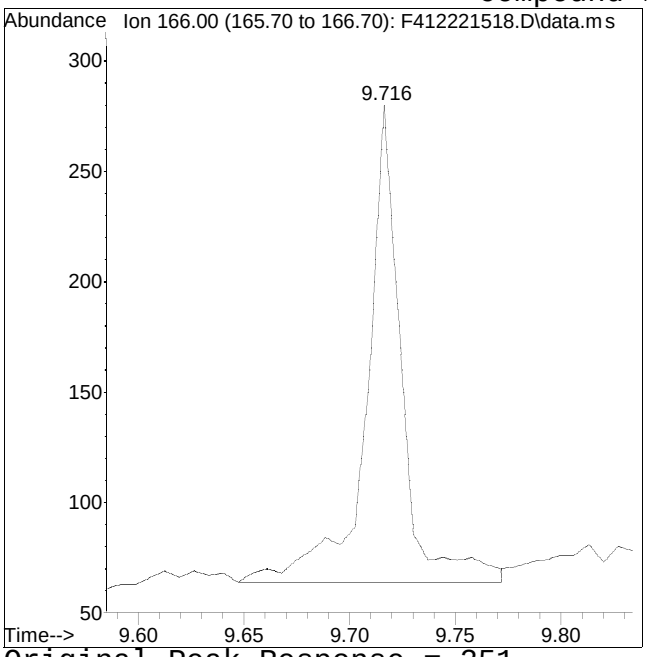
Manual Peak Response = 235 M4

M4 = Poor automated baseline construction.

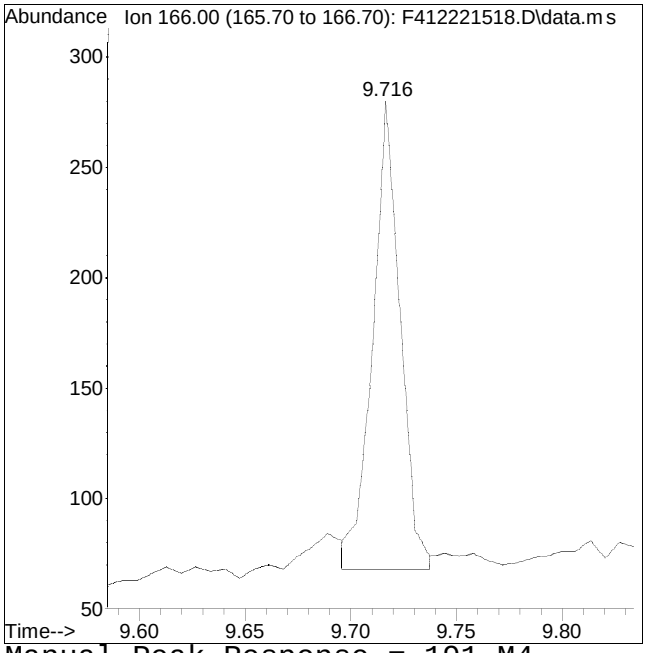
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412221518.D Operator : BNA4:SF
Date Inj'd : 12/22/2015 11:31 pm Instrument : BNA4
Sample : L1533592-04 Quant Date : 12/23/2015 9:19 am

Compound #15: Fluorene



Original Peak Response = 251



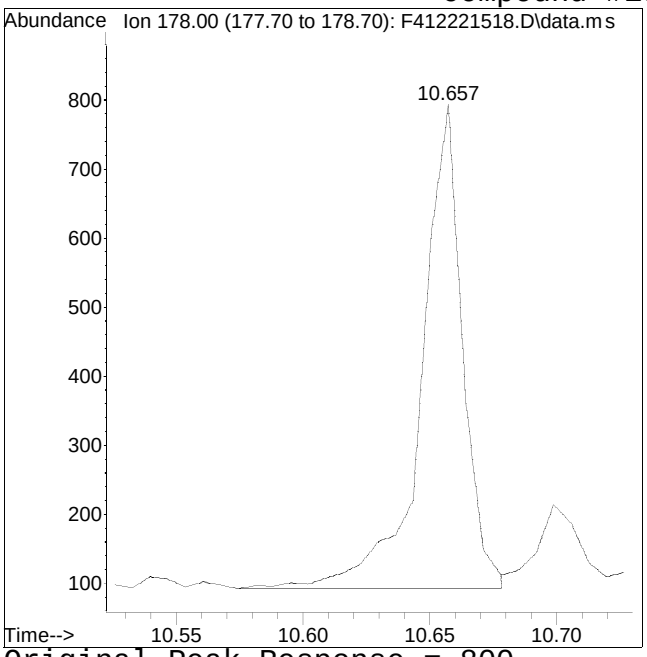
Manual Peak Response = 191 M4

M4 = Poor automated baseline construction.

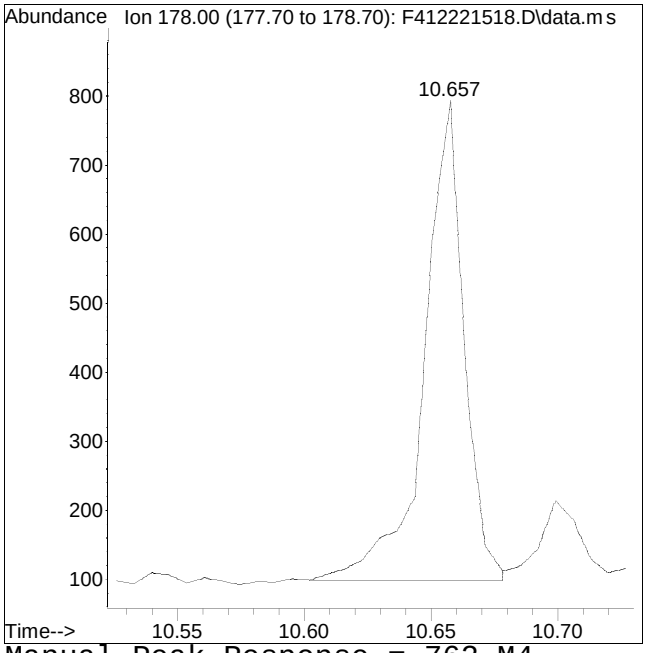
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412221518.D Operator : BNA4:SF
Date Inj'd : 12/22/2015 11:31 pm Instrument : BNA4
Sample : L1533592-04 Quant Date : 12/23/2015 9:19 am

Compound #19: Phenanthrene



Original Peak Response = 800



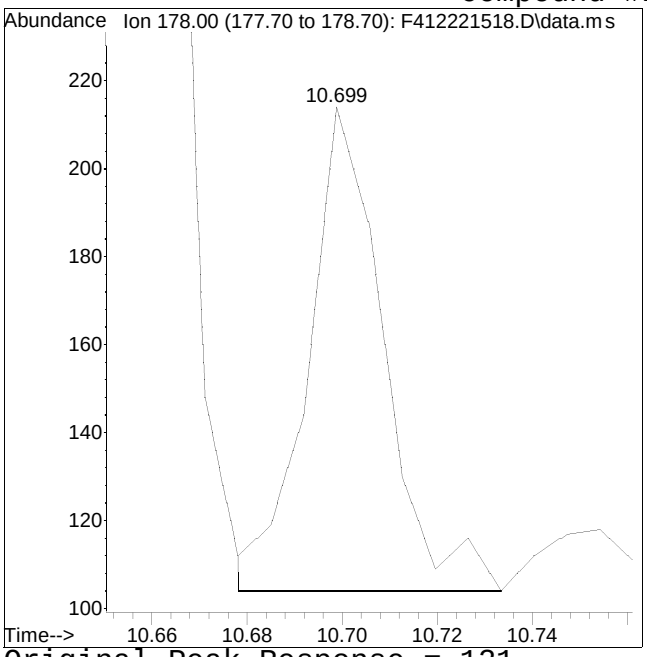
Manual Peak Response = 762 M4

M4 = Poor automated baseline construction.

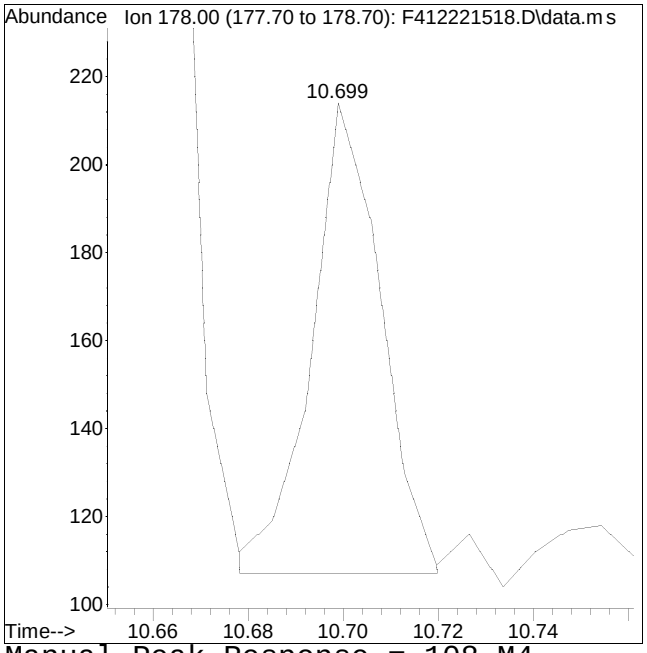
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412221518.D Operator : BNA4:SF
Date Inj'd : 12/22/2015 11:31 pm Instrument : BNA4
Sample : L1533592-04 Quant Date : 12/23/2015 9:19 am

Compound #20: Anthracene



Original Peak Response = 121



Manual Peak Response = 108 M4

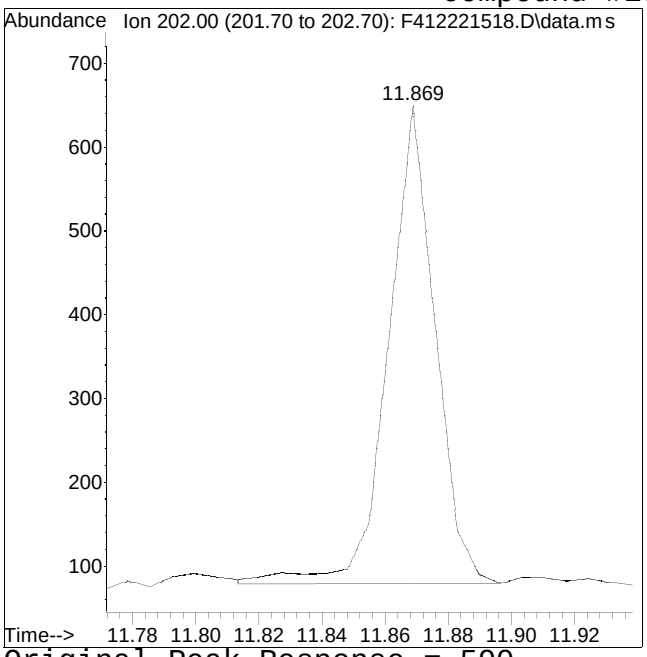
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

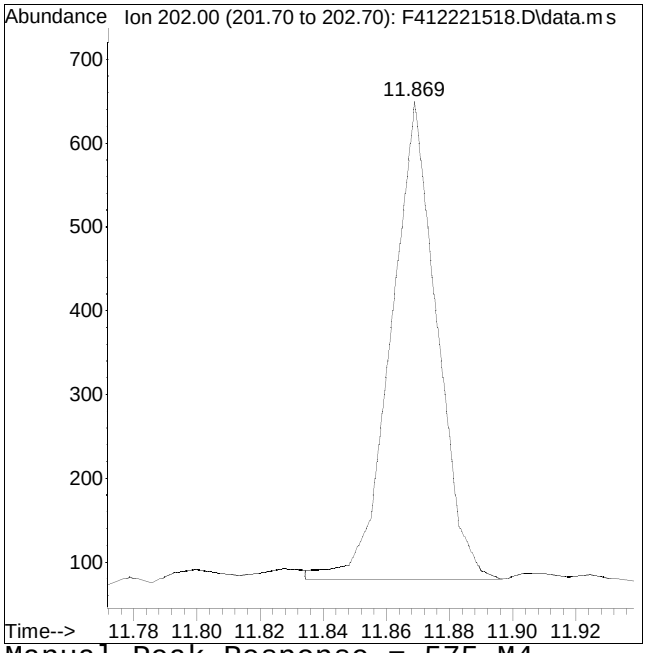
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412221518.D
Date Inj'd : 12/22/2015 11:31 pm
Sample : L1533592-04

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/23/2015 9:19 am

Compound #23: Fluoranthene



Original Peak Response = 590



Manual Peak Response = 575 M4

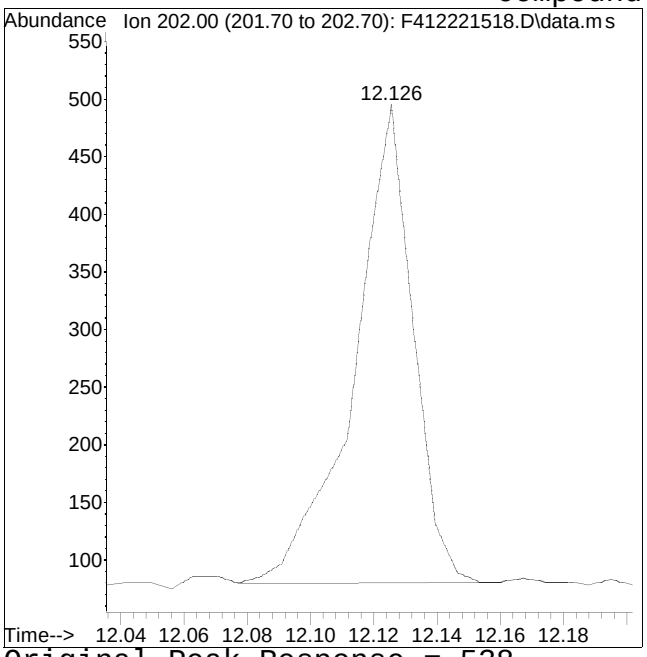
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

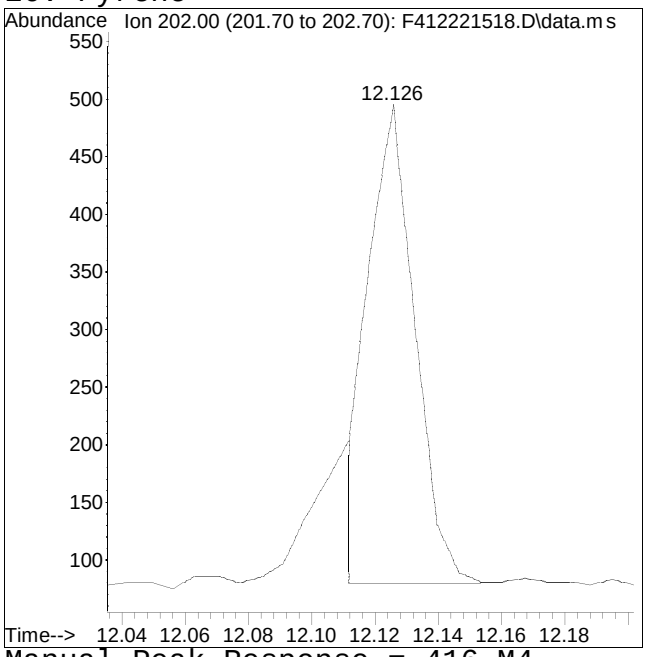
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412221518.D
Date Inj'd : 12/22/2015 11:31 pm
Sample : L1533592-04

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/23/2015 9:19 am

Compound #26: Pyrene



Original Peak Response = 538



Manual Peak Response = 416 M4

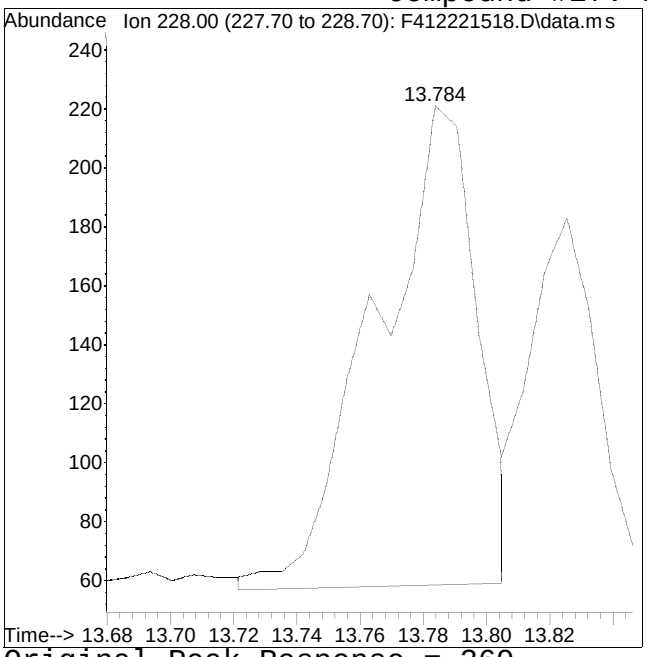
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

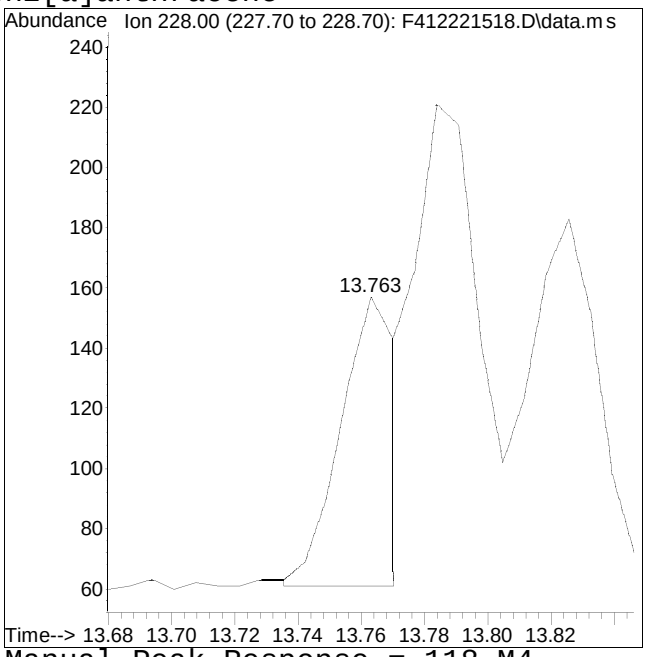
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412221518.D
Date Inj'd : 12/22/2015 11:31 pm
Sample : L1533592-04

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/23/2015 9:19 am

Compound #27: Benz[a]anthracene



Original Peak Response = 360



Manual Peak Response = 118 M4

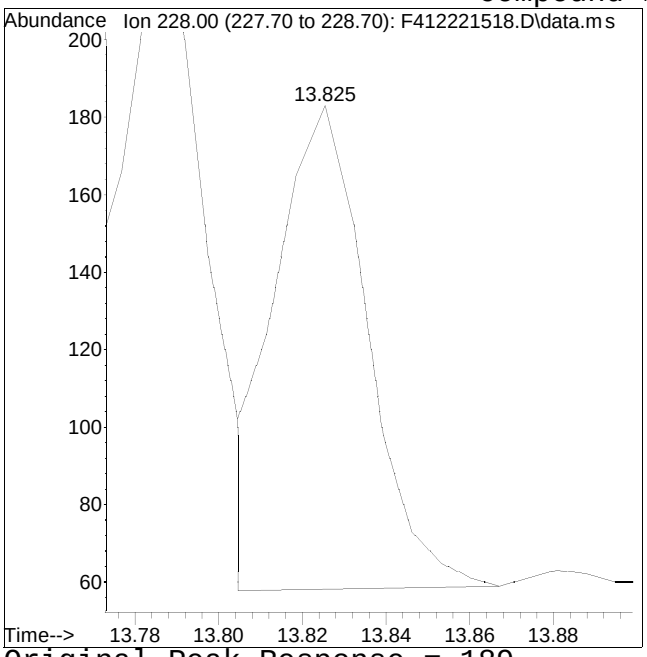
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

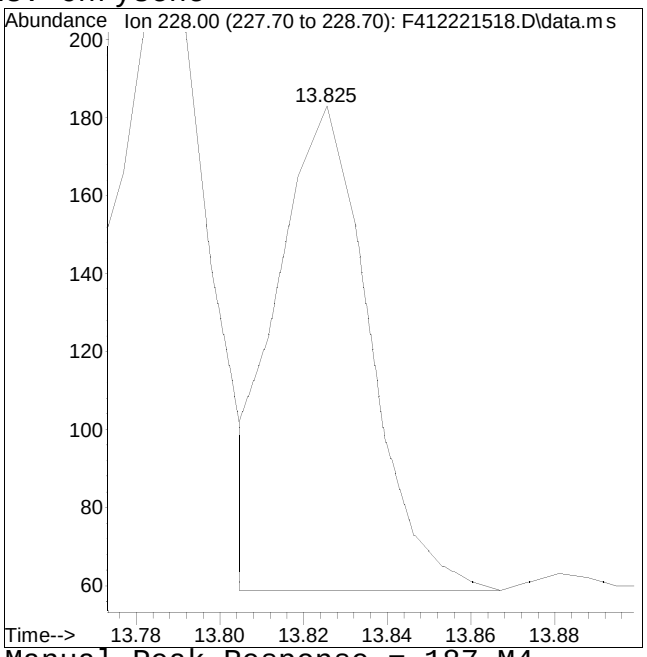
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412221518.D
Date Inj'd : 12/22/2015 11:31 pm
Sample : L1533592-04

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/23/2015 9:19 am

Compound #28: Chrysene



Original Peak Response = 189



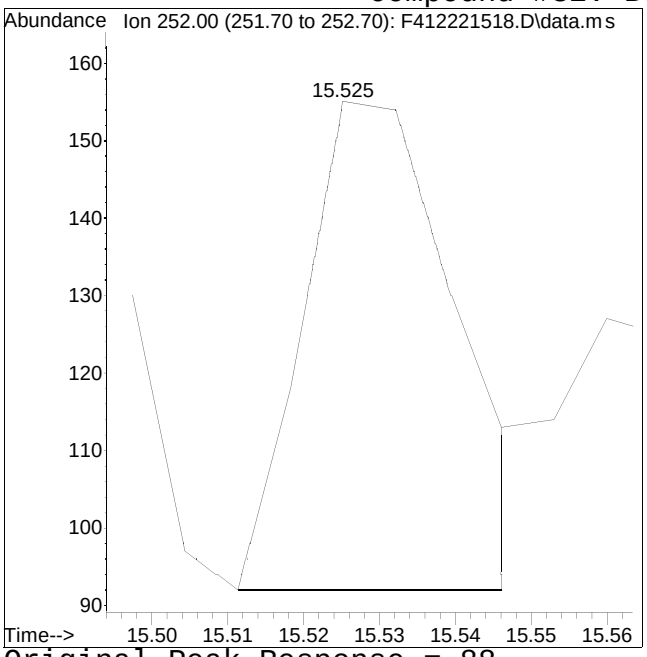
Manual Peak Response = 187 M4

M4 = Poor automated baseline construction.

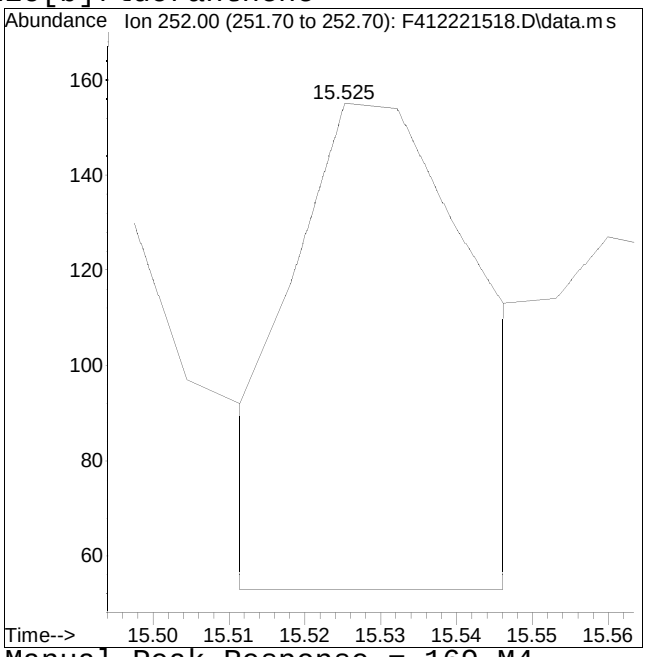
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412221518.D Operator : BNA4:SF
Date Inj'd : 12/22/2015 11:31 pm Instrument : BNA4
Sample : L1533592-04 Quant Date : 12/23/2015 9:19 am

Compound #32: Benzo[b]fluoranthene



Original Peak Response = 88



Manual Peak Response = 169 M4

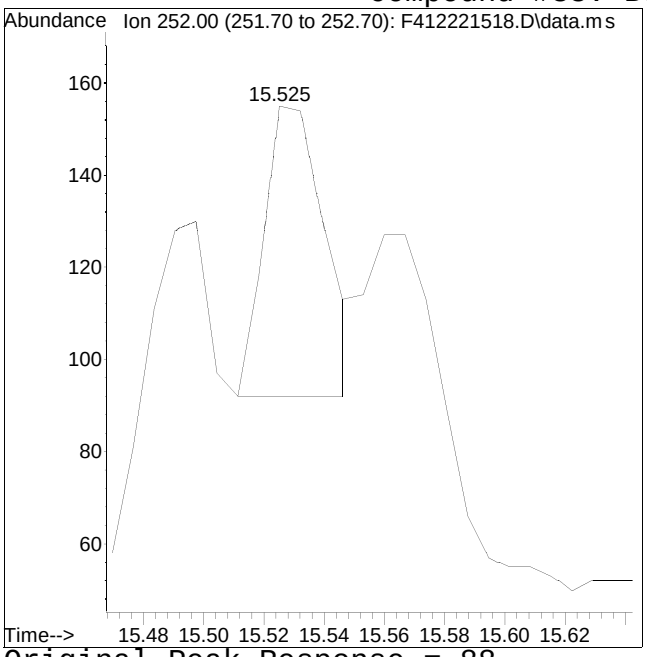
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

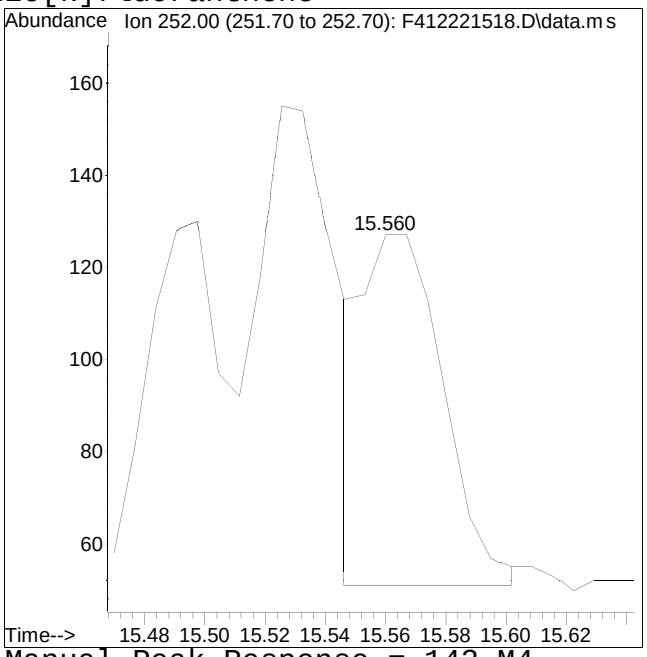
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412221518.D
Date Inj'd : 12/22/2015 11:31 pm
Sample : L1533592-04

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/23/2015 9:19 am

Compound #33: Benzo[k]fluoranthene



Original Peak Response = 88



Manual Peak Response = 142 M4

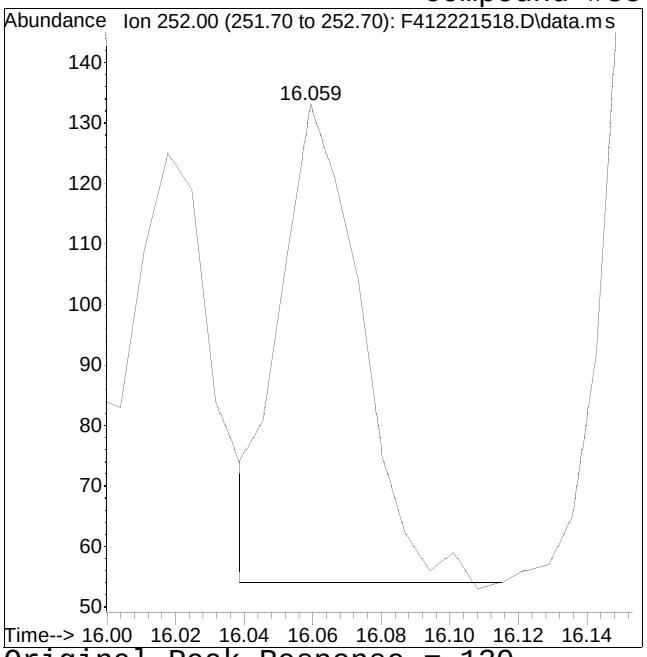
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

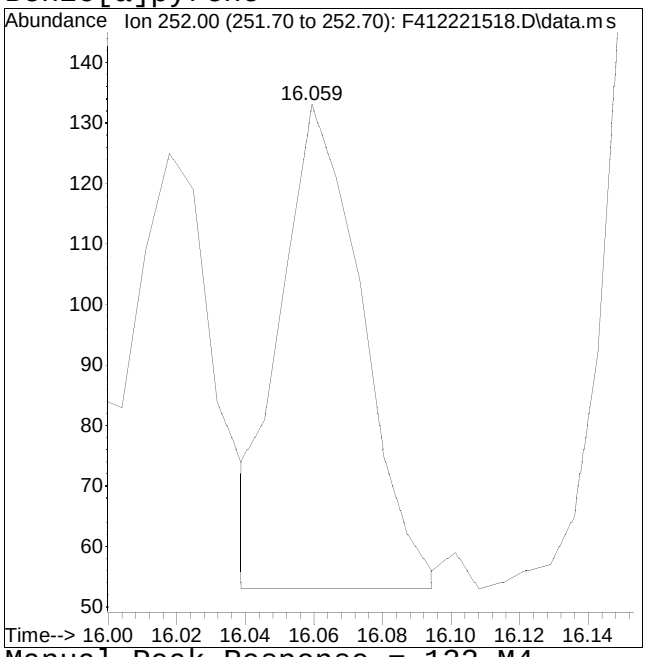
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412221518.D
Date Inj'd : 12/22/2015 11:31 pm
Sample : L1533592-04

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/23/2015 9:19 am

Compound #35: Benzo[a]pyrene



Original Peak Response = 130



Manual Peak Response = 132 M4

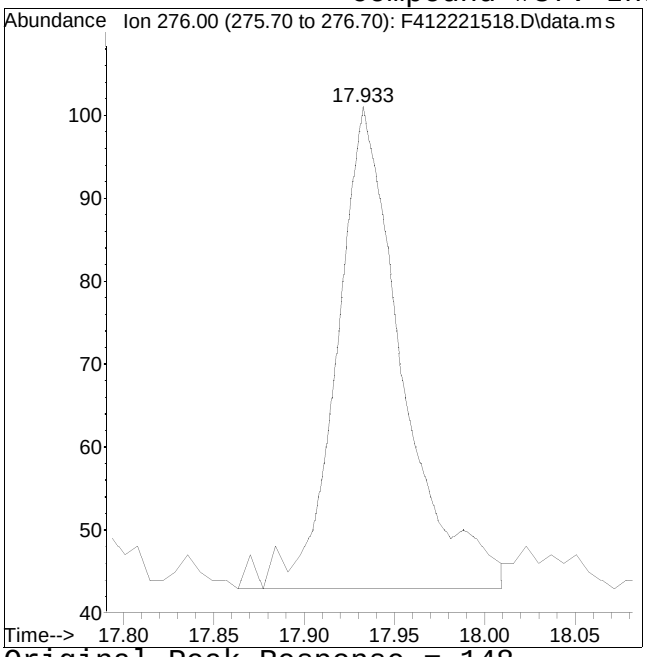
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

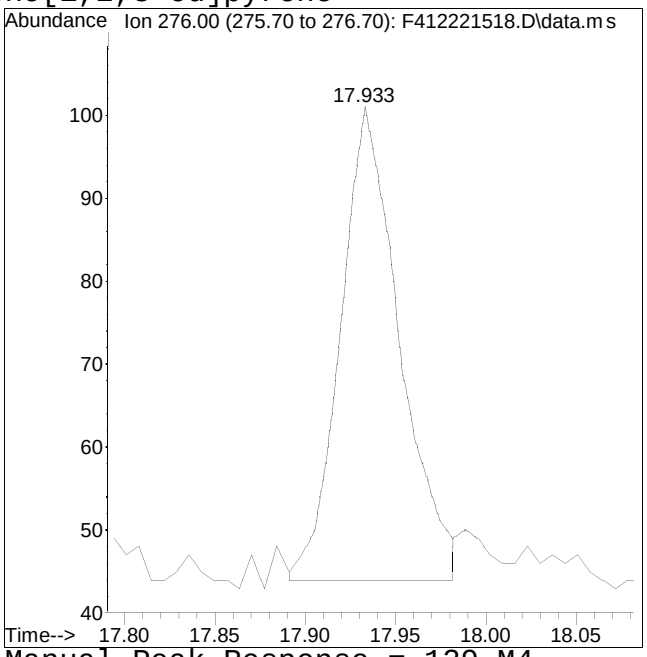
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412221518.D
Date Inj'd : 12/22/2015 11:31 pm
Sample : L1533592-04

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/23/2015 9:19 am

Compound #37: Indeno[1,2,3-cd]pyrene



Original Peak Response = 148



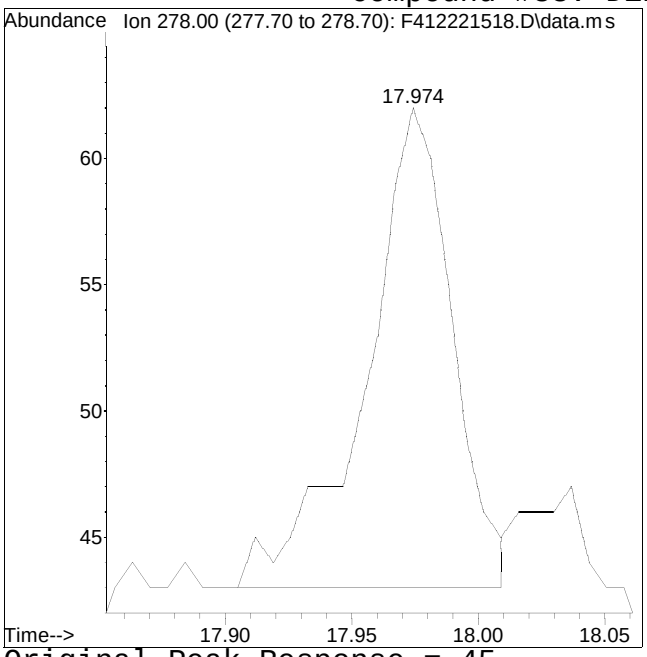
Manual Peak Response = 129 M4

M4 = Poor automated baseline construction.

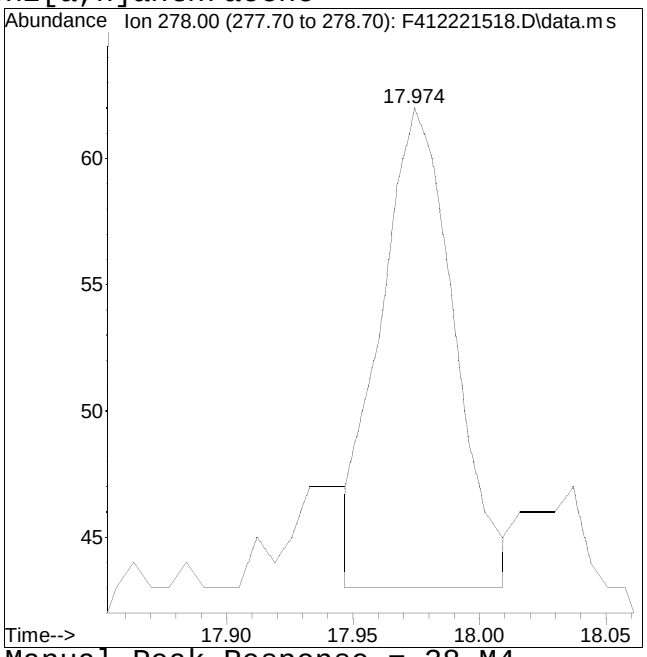
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412221518.D Operator : BNA4:SF
Date Inj'd : 12/22/2015 11:31 pm Instrument : BNA4
Sample : L1533592-04 Quant Date : 12/23/2015 9:19 am

Compound #38: Dibenz[a,h]anthracene



Original Peak Response = 45



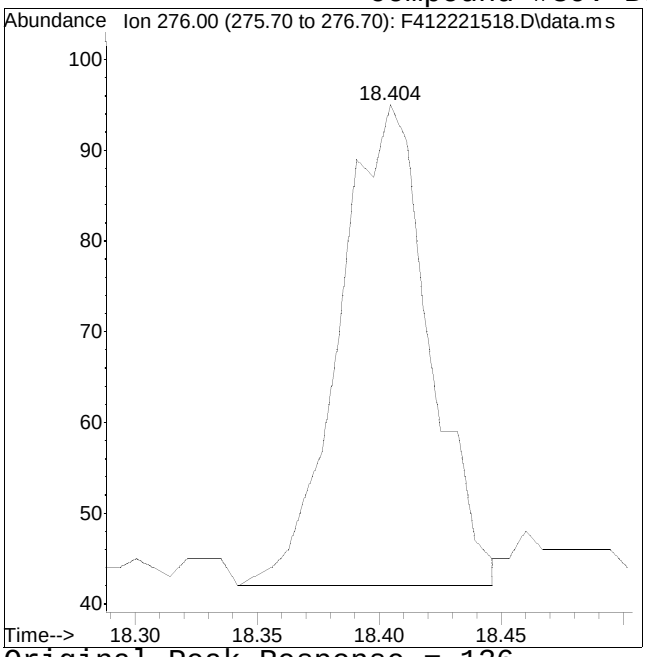
Manual Peak Response = 38 M4

M4 = Poor automated baseline construction.

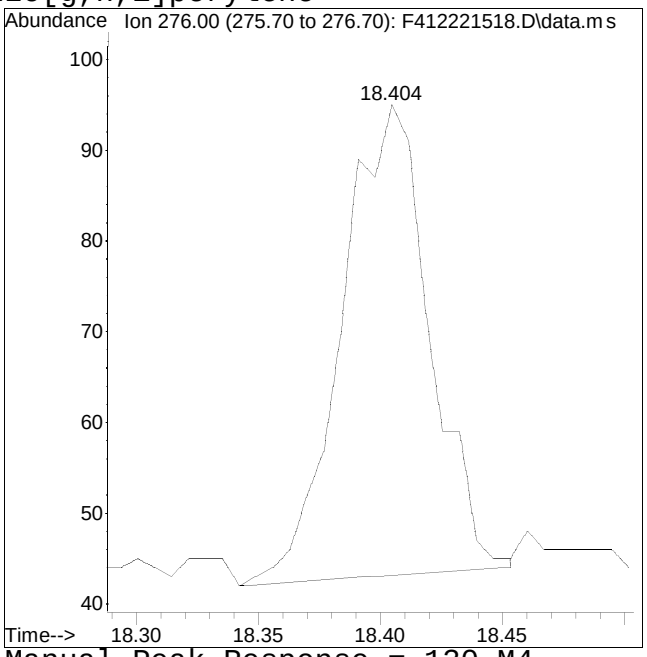
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412221518.D Operator : BNA4:SF
Date Inj'd : 12/22/2015 11:31 pm Instrument : BNA4
Sample : L1533592-04 Quant Date : 12/23/2015 9:19 am

Compound #39: Benzo[g,h,i]perylene



Original Peak Response = 136



Manual Peak Response = 130 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221519.D
Acq On : 23 Dec 2015 12:02 am
Operator : BNA4:SF
Sample : L1533592-05
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 28 16:43:08 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.440	136	89724	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.191	164	43533	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.637	188	83768	500.000	ng/mL	0.00
24) Chrysene-d12	13.791	240	67554	500.000	ng/mL	0.00
29) Perylene-d12	16.164	264	58814	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.116	152	32485	334.415	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 6.69%#			
25) Pyrene-d10	12.105	212	52831	403.019	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.06%#			
31) Benzo[b]fluoranthene-d12	15.491	264	37024	384.538	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 7.69%#			
Target Compounds						Qvalue
2) Naphthalene	7.462	128	1163	6.148	ng/mL#	88
5) 2-Methylnaphthalene	8.145	142	201M4	1.694	ng/mL	
12) Acenaphthylene	9.046	152	91M4	0.524	ng/mL	
13) Acenaphthene	9.221	153	91M4	0.770	ng/mL	
15) Fluorene	9.716	166	98M4	0.770	ng/mL	
19) Phenanthrene	10.657	178	559	3.033	ng/mL#	33
20) Anthracene	10.699	178	31	N.D.		
23) Fluoranthene	11.869	202	299M4	1.632	ng/mL	
26) Pyrene	12.126	202	207M4	1.026	ng/mL	
27) Benz[a]anthracene	13.770	228	65M4	4.824	ng/mL	
28) Chrysene	13.825	228	101	0.644	ng/mL#	1
32) Benzo[b]fluoranthene	15.532	252	135M4	7.719	ng/mL	
33) Benzo[k]fluoranthene	15.567	252	77M4	3.171	ng/mL	
35) Benzo[a]pyrene	16.059	252	81M4	6.274	ng/mL	
37) Indeno[1,2,3-cd]pyrene	17.940	276	85M4	6.747	ng/mL	
38) Dibenz[a,h]anthracene	0.000		0	N.D. d		
39) Benzo[g,h,i]perylene	18.398	276	76M4	5.258	ng/mL	

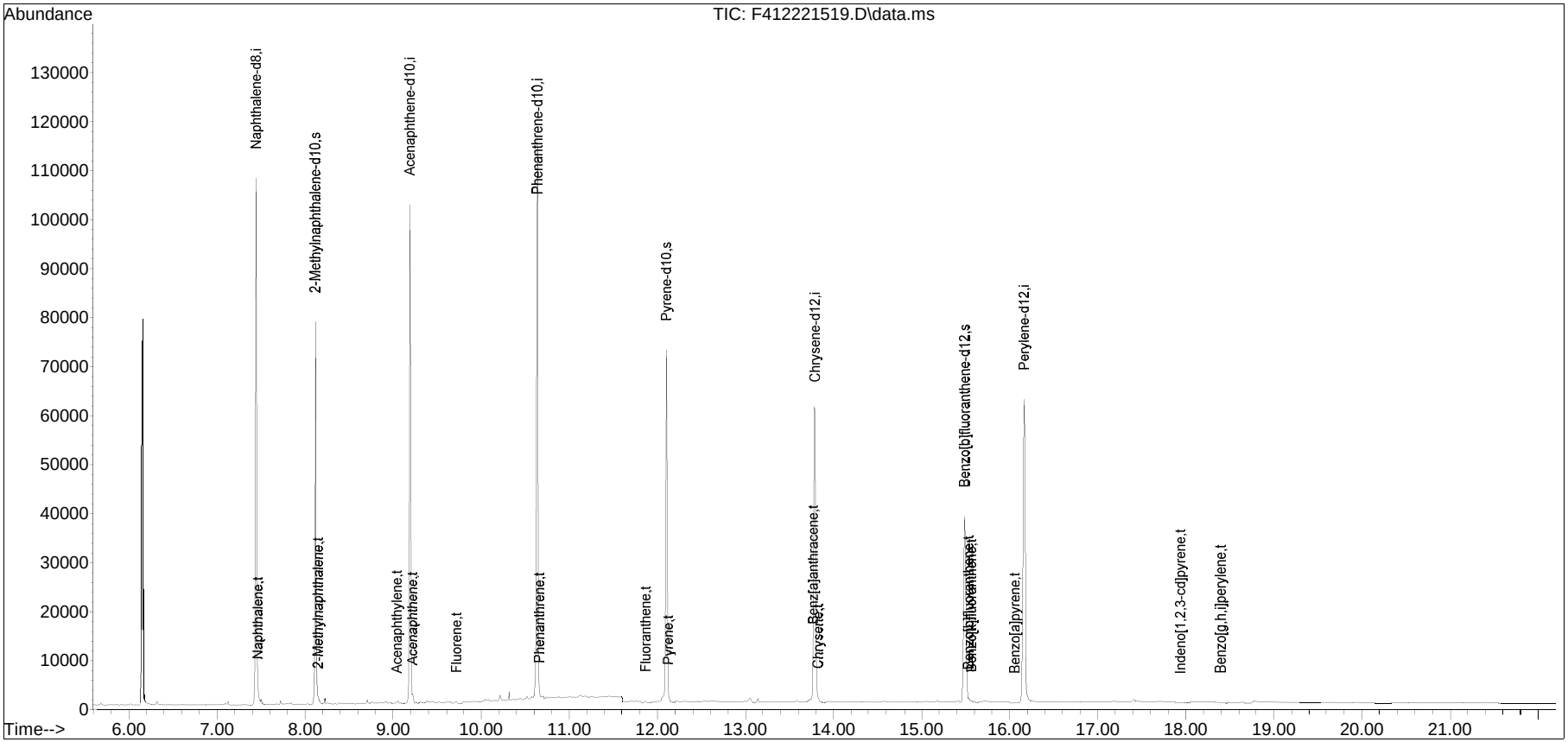
(#) = qualifier out of range (m) = manual integration (+) = signals summed

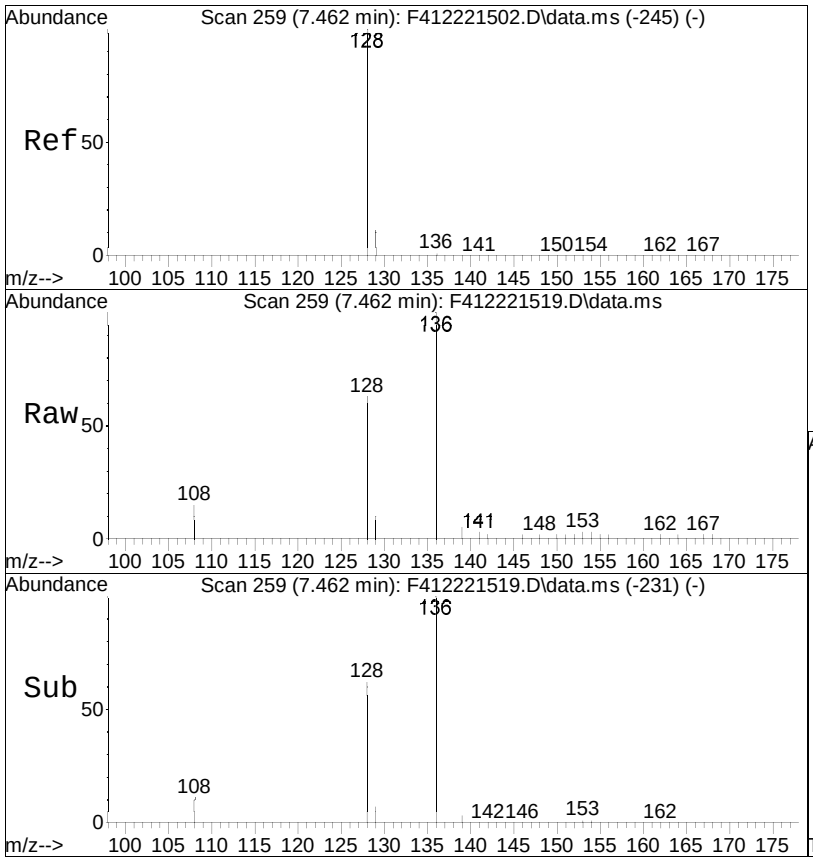
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221519.D
Acq On : 23 Dec 2015 12:02 am
Operator : BNA4:SF
Sample : L1533592-05
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 28 16:43:08 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

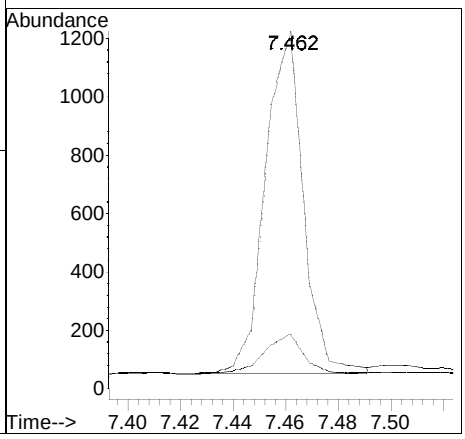


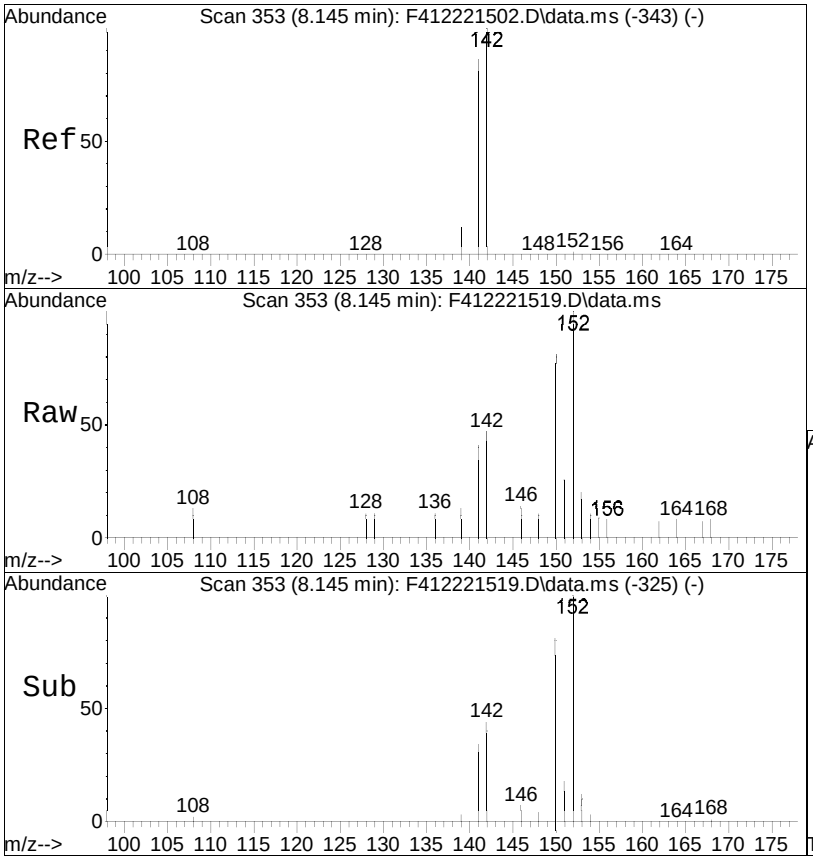


#2
Naphthalene
Concen: 6.15 ng/mL
RT: 7.462 min Scan# 259
Delta R.T. 0.000 min
Lab File: F412221519.D
Acq: 23 Dec 2015 12:02 am

Tgt Ion:128 Resp: 1163

Ion	Ratio	Lower	Upper
128	100		
129	15.4	8.7	13.1#

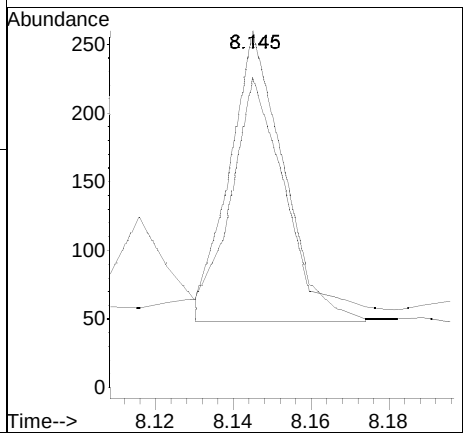


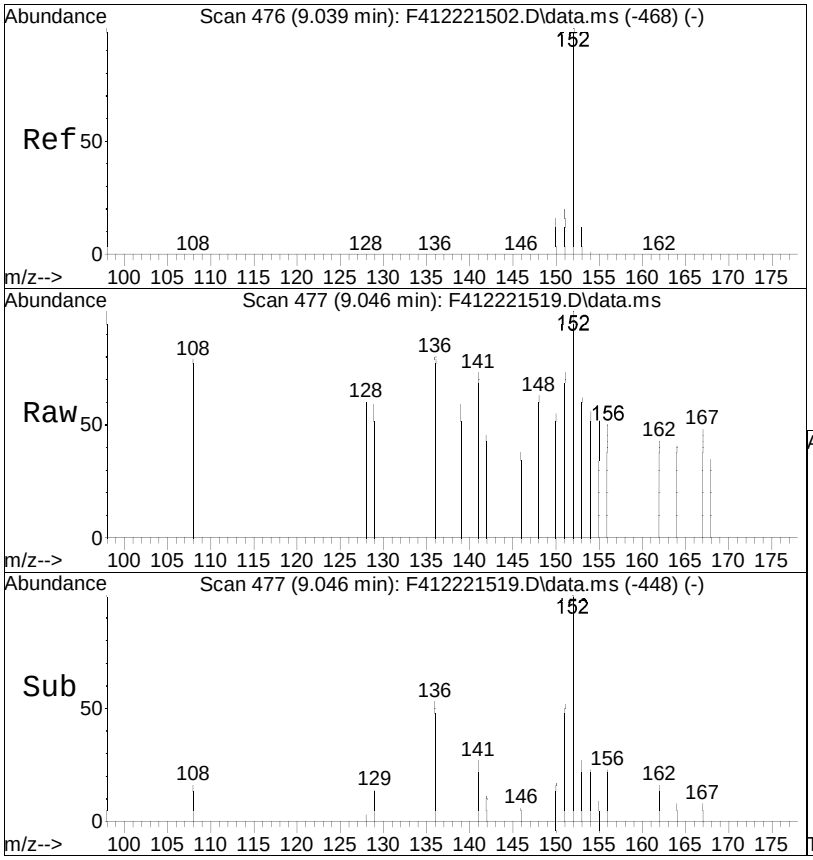


#5
2-Methylnaphthalene
Concen: 1.69 ng/mL M4
RT: 8.145 min Scan# 353
Delta R.T. 0.000 min
Lab File: F412221519.D
Acq: 23 Dec 2015 12:02 am

Tgt Ion:142 Resp: 201

Ion	Ratio	Lower	Upper
142	100		
141	86.9	68.8	103.2

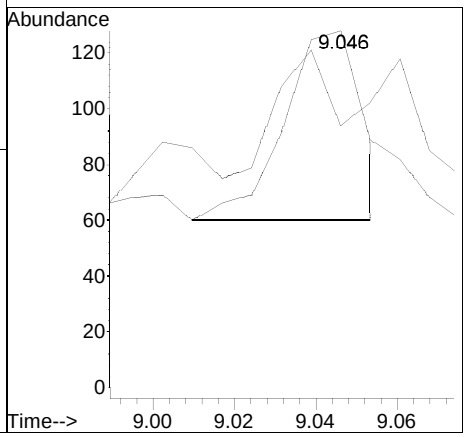


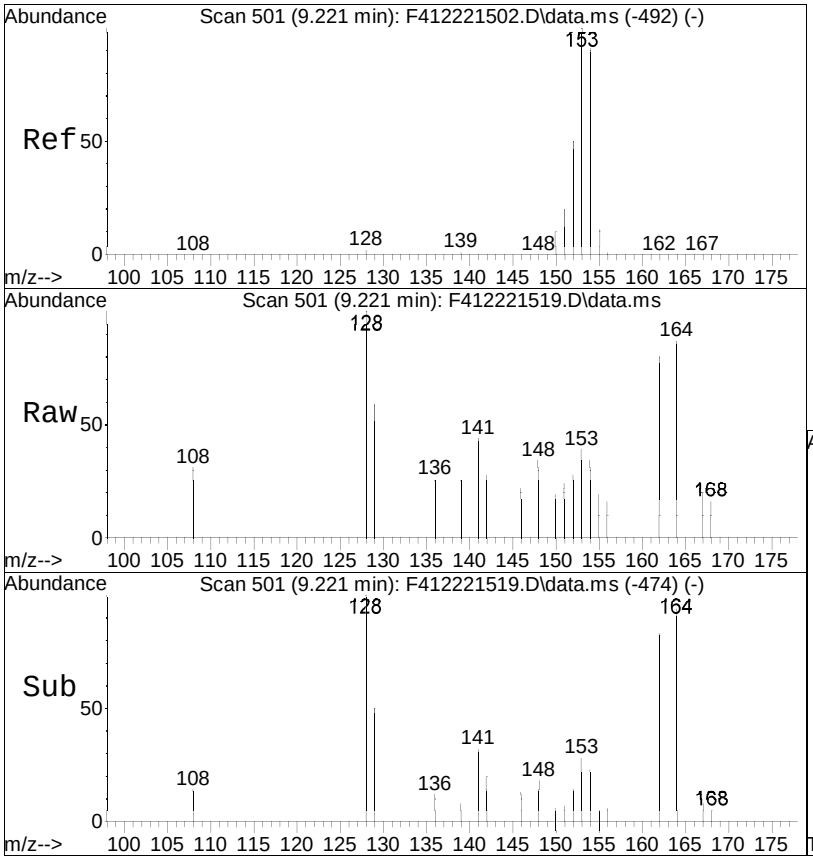


#12
Acenaphthylene
Concen: 0.52 ng/mL M4
RT: 9.046 min Scan# 477
Delta R.T. 0.007 min
Lab File: F412221519.D
Acq: 23 Dec 2015 12:02 am

Tgt Ion:152 Resp: 91

Ion	Ratio	Lower	Upper
152	100		
151	73.4	15.4	23.0#

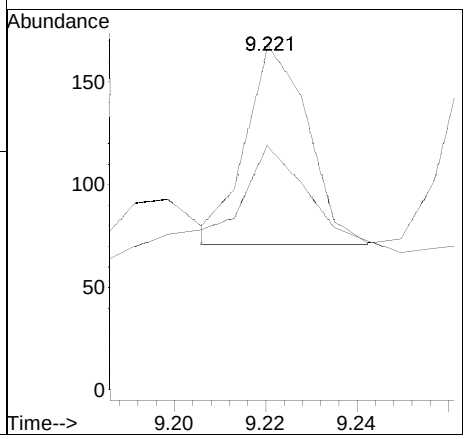


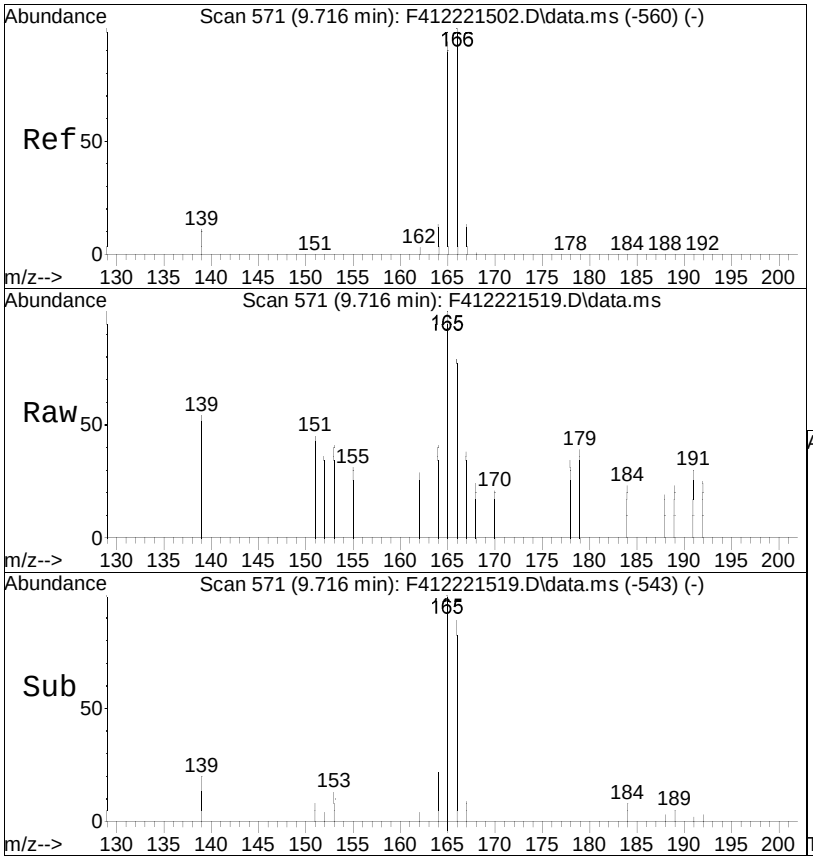


#13
Acenaphthene
Concen: 0.77 ng/mL M4
RT: 9.221 min Scan# 501
Delta R.T. 0.000 min
Lab File: F412221519.D
Acq: 23 Dec 2015 12:02 am

Tgt Ion:153 Resp: 91

Ion	Ratio	Lower	Upper
153	100		
152	70.8	37.8	56.8#

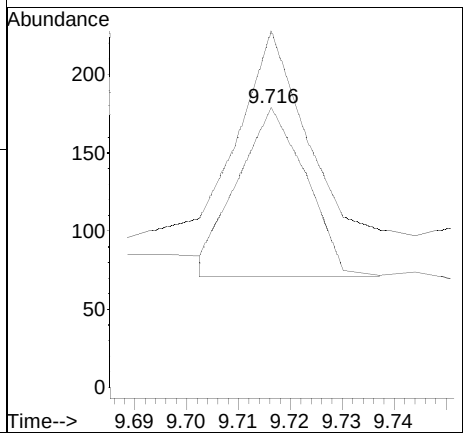


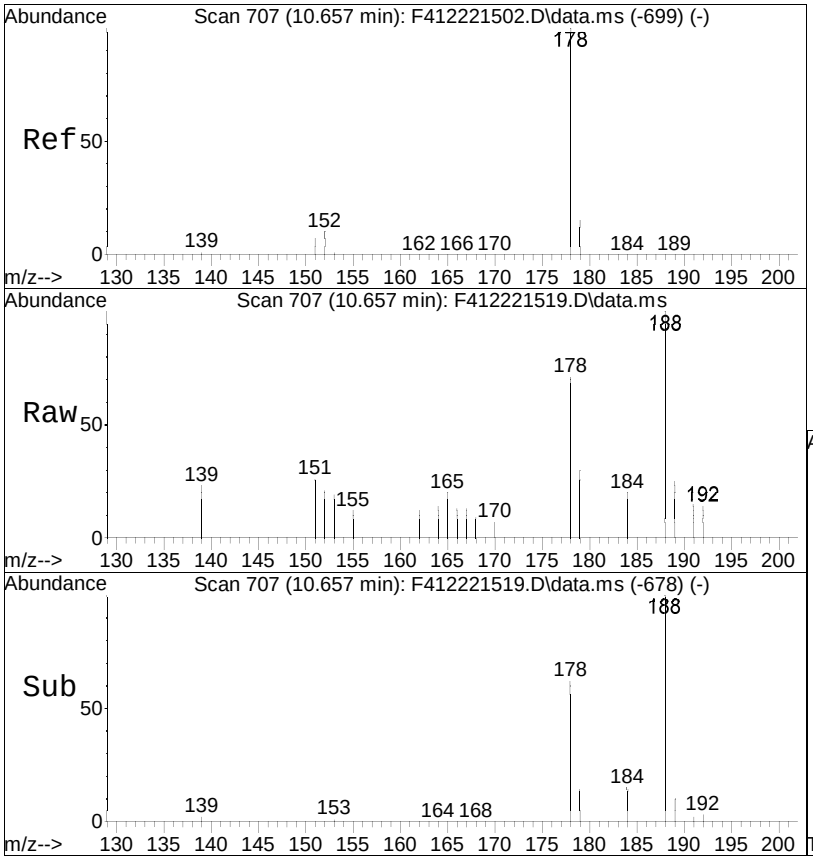


#15
Fluorene
Concen: 0.77 ng/mL M4
RT: 9.716 min Scan# 571
Delta R.T. -0.004 min
Lab File: F412221519.D
Acq: 23 Dec 2015 12:02 am

Tgt Ion:166 Resp: 98

Ion	Ratio	Lower	Upper
166	100		
165	127.4	73.2	109.8#

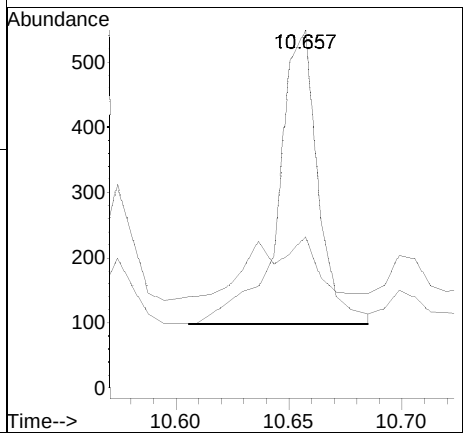


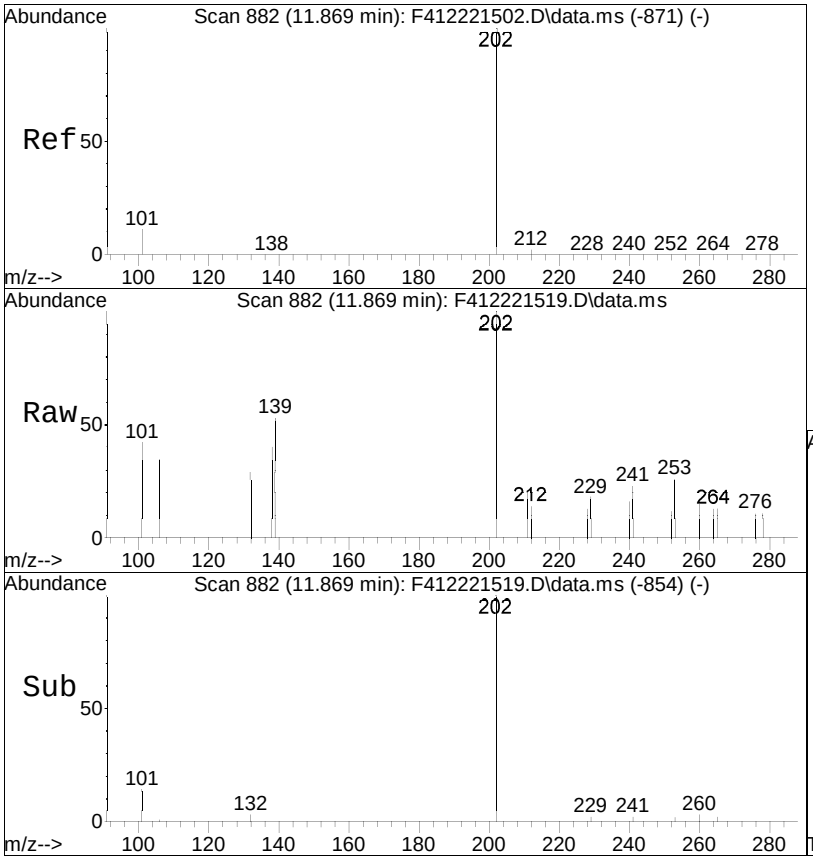


#19
Phenanthrene
Concen: 3.03 ng/mL
RT: 10.657 min Scan# 707
Delta R.T. 0.002 min
Lab File: F412221519.D
Acq: 23 Dec 2015 12:02 am

Tgt Ion:178 Resp: 559

Ion	Ratio	Lower	Upper
178	100		
179	42.5	11.9	17.9#

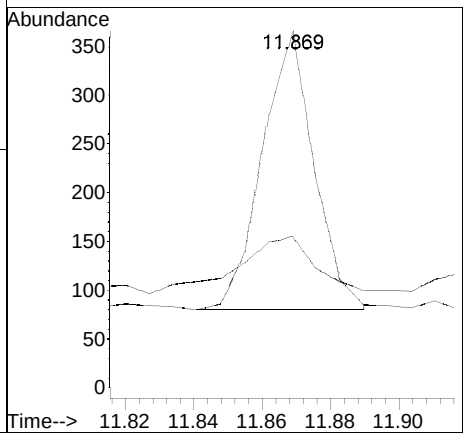


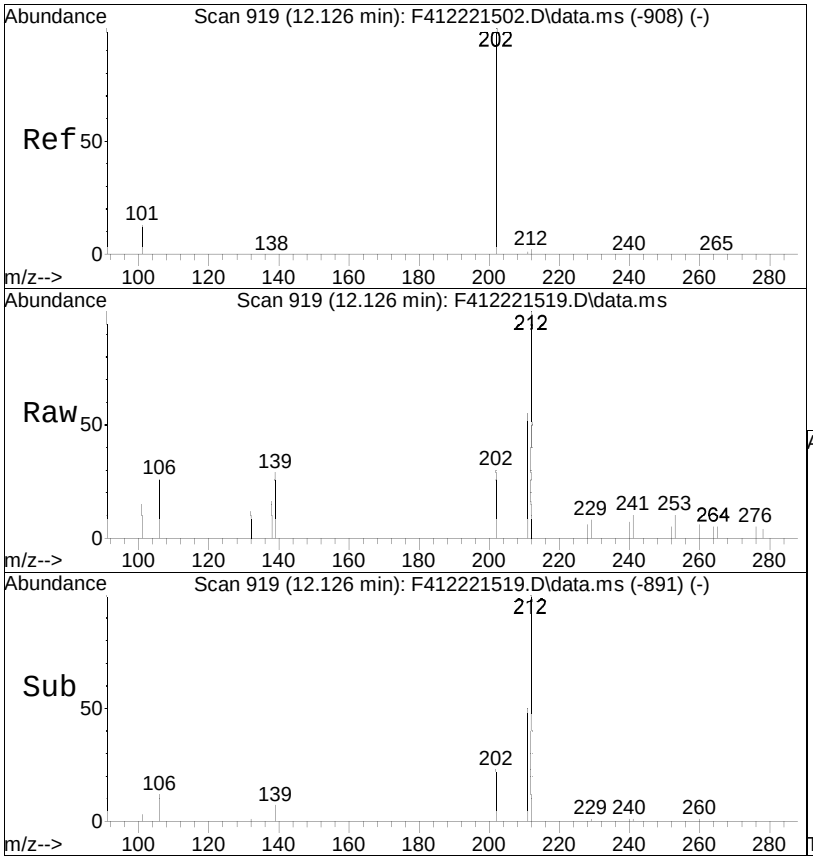


#23
Fluoranthene
Concen: 1.63 ng/mL M4
RT: 11.869 min Scan# 882
Delta R.T. -0.004 min
Lab File: F412221519.D
Acq: 23 Dec 2015 12:02 am

Tgt Ion:202 Resp: 299

Ion	Ratio	Lower	Upper
202	100		
101	42.3	8.3	12.5#

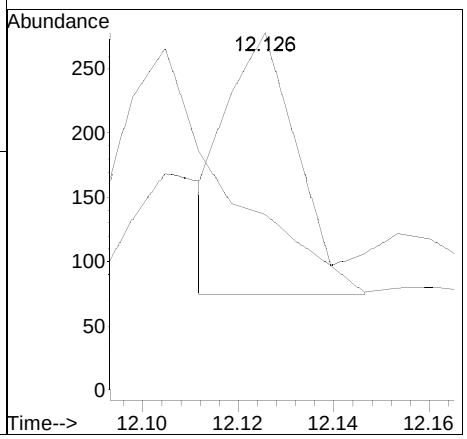


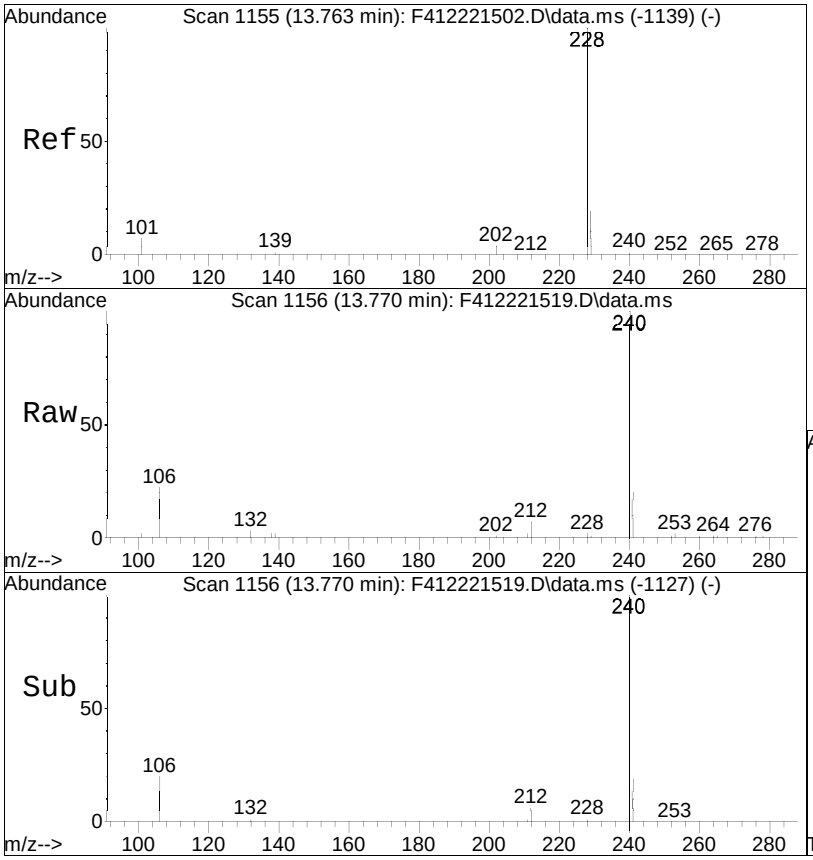


#26
Pyrene
Concen: 1.03 ng/mL M4
RT: 12.126 min Scan# 919
Delta R.T. -0.004 min
Lab File: F412221519.D
Acq: 23 Dec 2015 12:02 am

Tgt Ion:202 Resp: 207

Ion	Ratio	Lower	Upper
202	100		
101	49.3	10.1	15.1#

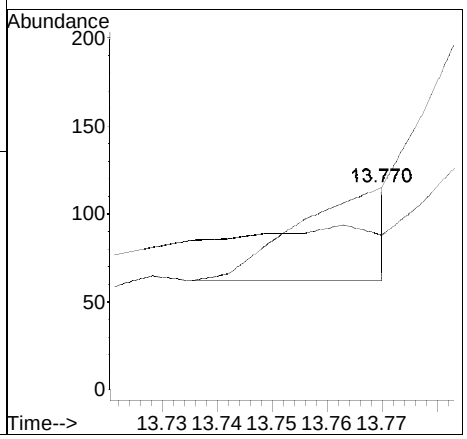


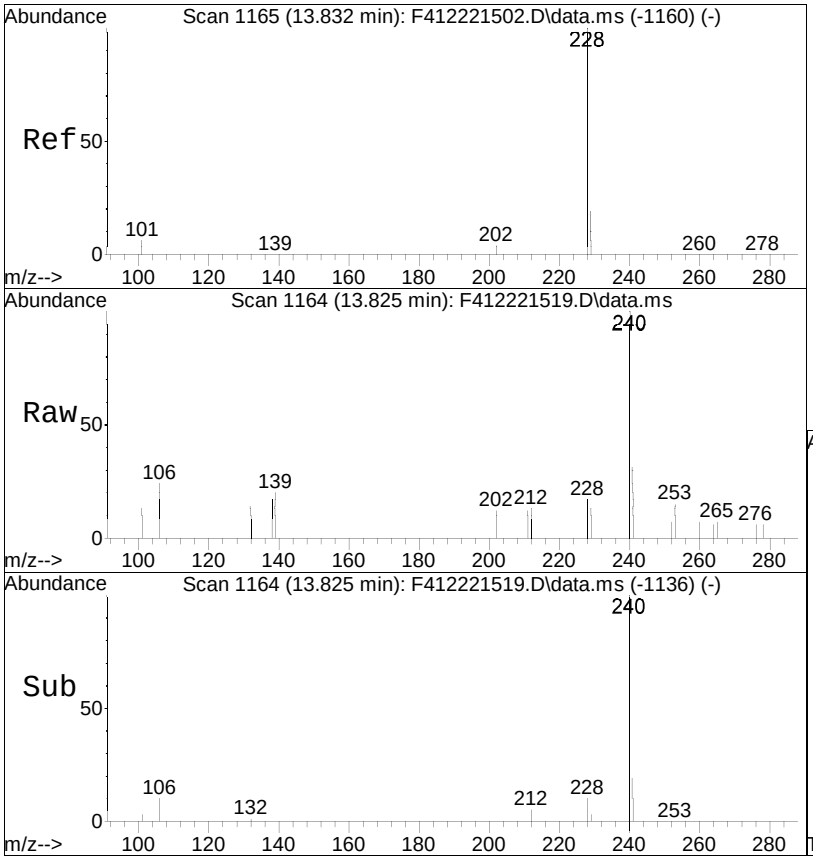


#27
Benz[a]anthracene
Concen: 4.82 ng/mL M4
RT: 13.770 min Scan# 1156
Delta R.T. 0.003 min
Lab File: F412221519.D
Acq: 23 Dec 2015 12:02 am

Tgt Ion:228 Resp: 65

Ion	Ratio	Lower	Upper
228	100		
229	76.5	15.2	22.8#

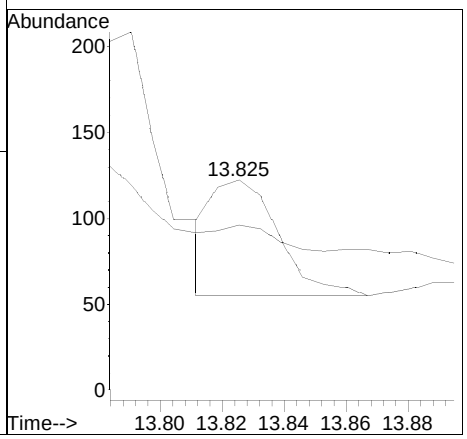


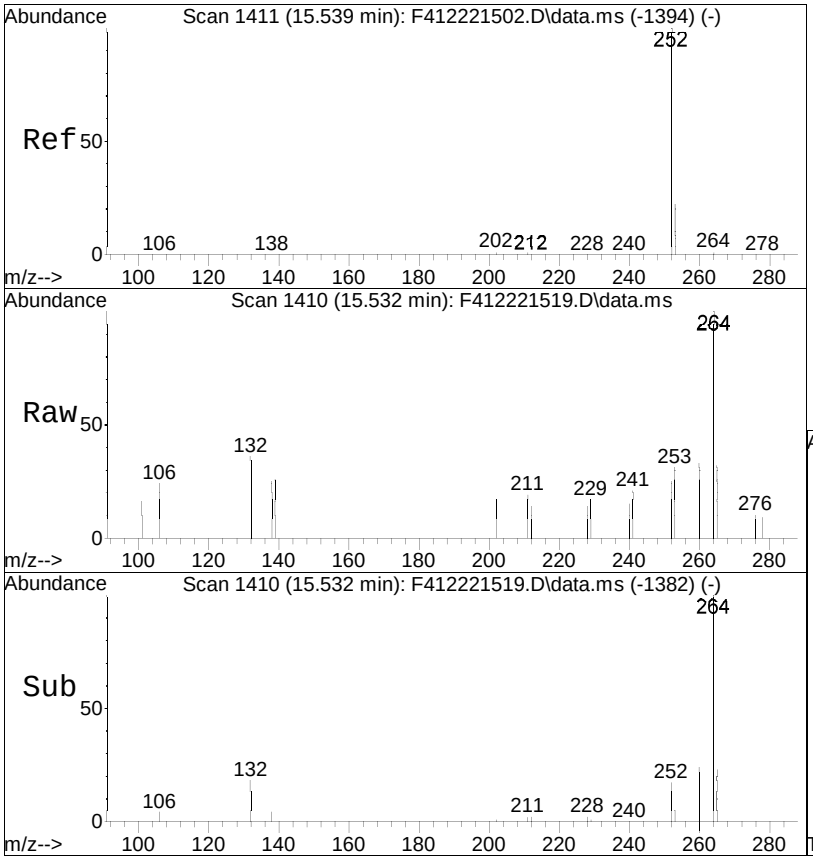


#28
Chrysene
Concen: 0.64 ng/mL
RT: 13.825 min Scan# 1164
Delta R.T. -0.004 min
Lab File: F412221519.D
Acq: 23 Dec 2015 12:02 am

Tgt Ion:228 Resp: 101

Ion	Ratio	Lower	Upper
228	100		
229	78.7	15.0	22.6#

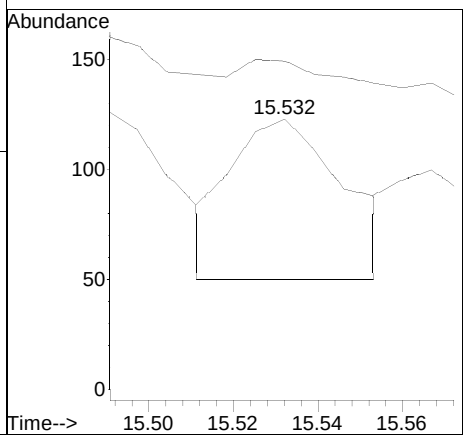


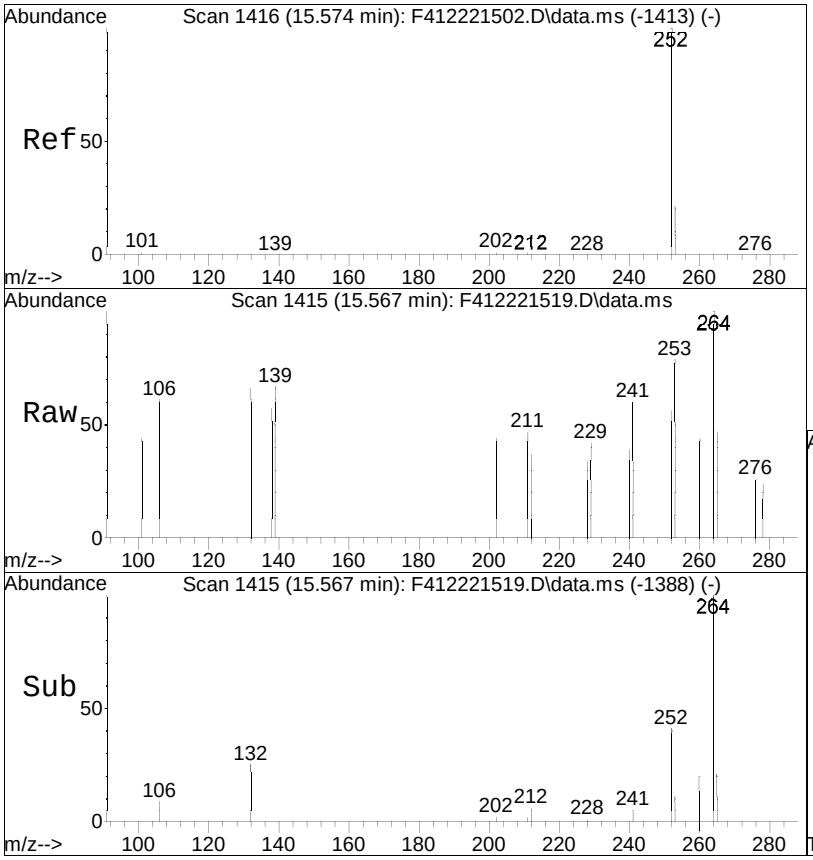


#32
Benzo[b]fluoranthene
Concen: 7.72 ng/mL M4
RT: 15.532 min Scan# 1410
Delta R.T. -0.004 min
Lab File: F412221519.D
Acq: 23 Dec 2015 12:02 am

Tgt Ion:252 Resp: 135

Ion	Ratio	Lower	Upper
252	100		
253	121.1	17.1	25.7#

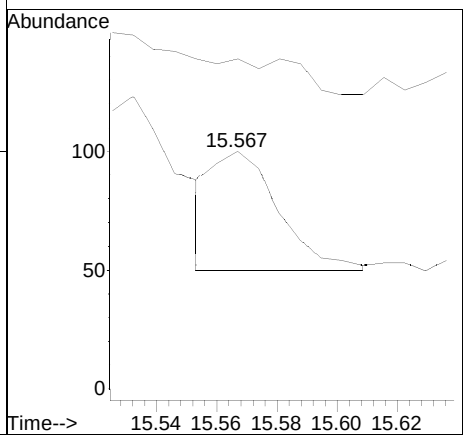


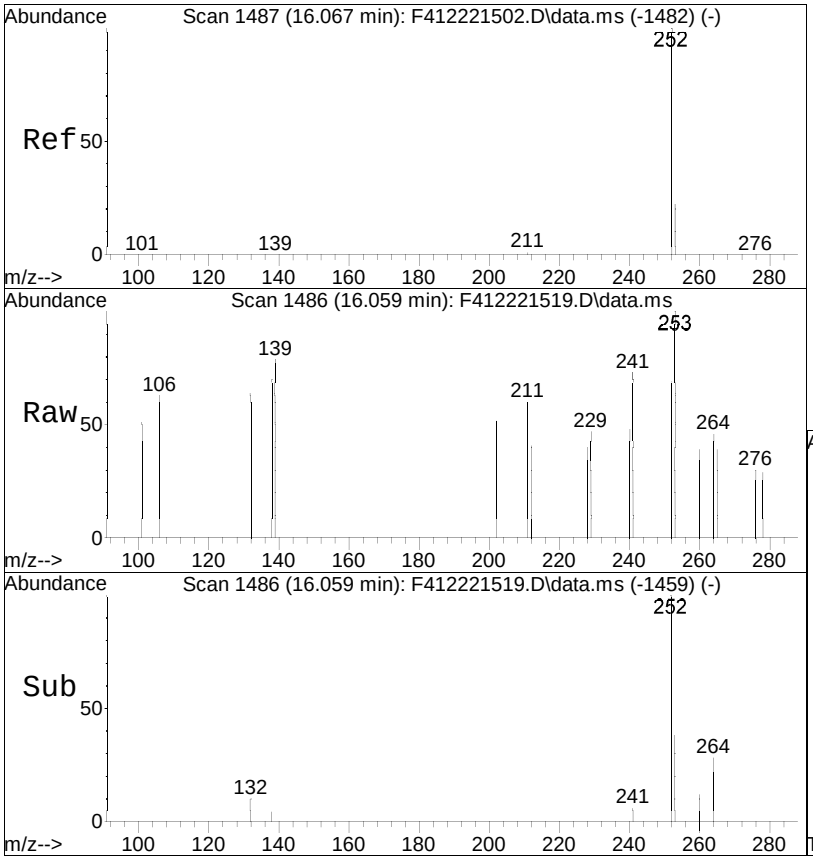


#33
Benzo[k]fluoranthene
Concen: 3.17 ng/mL M4
RT: 15.567 min Scan# 1415
Delta R.T. -0.011 min
Lab File: F412221519.D
Acq: 23 Dec 2015 12:02 am

Tgt Ion:252 Resp: 77

Ion	Ratio	Lower	Upper
252	100		
253	139.0	17.2	25.8#

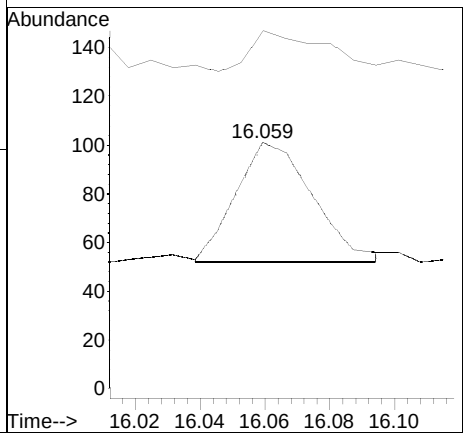


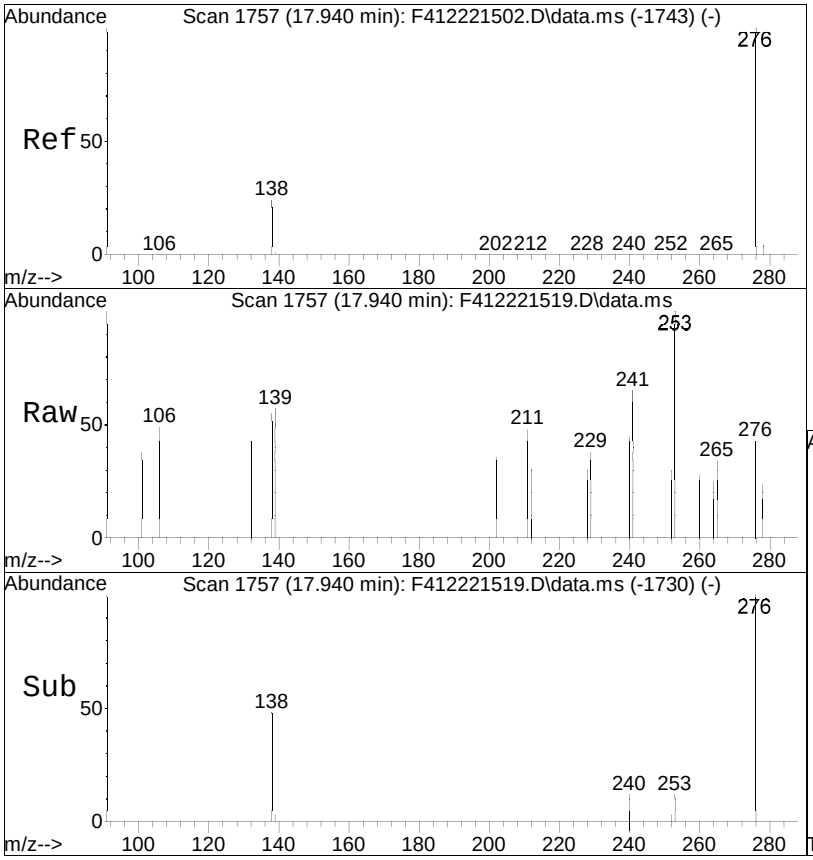


#35
Benzo[a]pyrene
Concen: 6.27 ng/mL M4
RT: 16.059 min Scan# 1486
Delta R.T. -0.011 min
Lab File: F412221519.D
Acq: 23 Dec 2015 12:02 am

Tgt Ion:252 Resp: 81

Ion	Ratio	Lower	Upper
252	100		
253	145.5	17.3	25.9#

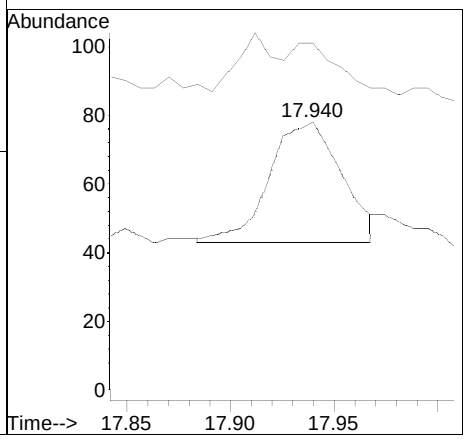


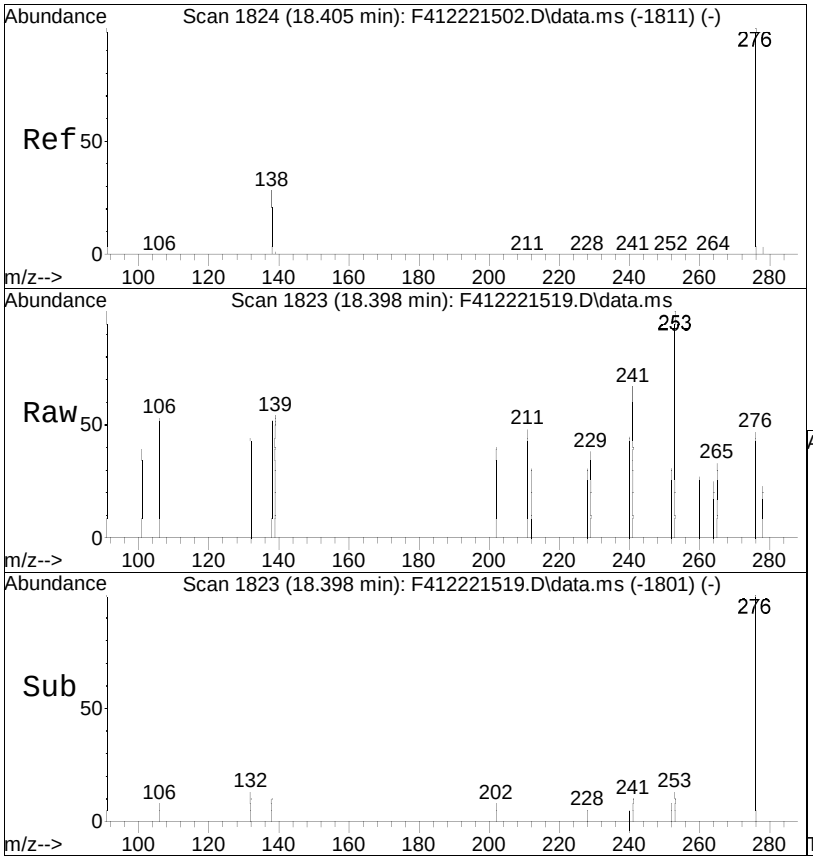


#37
Indeno[1,2,3-cd]pyrene
Concen: 6.75 ng/mL M4
RT: 17.940 min Scan# 1757
Delta R.T. -0.004 min
Lab File: F412221519.D
Acq: 23 Dec 2015 12:02 am

Tgt Ion:276 Resp: 85

Ion	Ratio	Lower	Upper
276	100		
138	129.5	20.3	30.5#

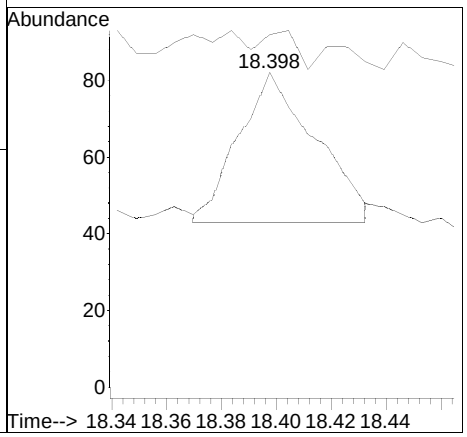




#39
Benzo[g,h,i]perylene
Concen: 5.26 ng/mL M4
RT: 18.398 min Scan# 1823
Delta R.T. -0.011 min
Lab File: F412221519.D
Acq: 23 Dec 2015 12:02 am

Tgt Ion:276 Resp: 76

Ion	Ratio	Lower	Upper
276	100		
138	112.2	20.2	30.4#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221522.D
Acq On : 23 Dec 2015 1:33 am
Operator : BNA4:SF
Sample : L1533592-06
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 28 16:47:15 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.440	136	91966	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.191	164	44937	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.636	188	87074	500.000	ng/mL	0.00
24) Chrysene-d12	13.791	240	69868	500.000	ng/mL	0.00
29) Perylene-d12	16.163	264	60630	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.116	152	34585	347.353	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 6.95%#			
25) Pyrene-d10	12.105	212	54265	400.248	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.00%#			
31) Benzo[b]fluoranthene-d12	15.490	264	38269	385.564	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 7.71%#			
Target Compounds						Qvalue
2) Naphthalene	7.462	128	1157M4	5.967	ng/mL	
5) 2-Methylnaphthalene	8.145	142	198	1.628	ng/mL	92
12) Acenaphthylene	9.039	152	106	0.592	ng/mL#	1
13) Acenaphthene	9.220	153	85M4	0.697	ng/mL	
15) Fluorene	9.716	166	125M4	0.952	ng/mL	
19) Phenanthrene	10.657	178	523M4	2.730	ng/mL	
20) Anthracene	10.699	178	56	N.D.		
23) Fluoranthene	11.869	202	393M4	2.064	ng/mL	
26) Pyrene	12.125	202	289M4	1.385	ng/mL	
27) Benz[a]anthracene	13.763	228	97M4	5.002	ng/mL	
28) Chrysene	13.825	228	146M4	0.900	ng/mL	
32) Benzo[b]fluoranthene	15.532	252	144M4	7.747	ng/mL	
33) Benzo[k]fluoranthene	15.560	252	122M4	3.477	ng/mL	
35) Benzo[a]pyrene	16.059	252	97M4	6.362	ng/mL	
37) Indeno[1,2,3-cd]pyrene	17.933	276	108M4	6.899	ng/mL	
38) Dibenz[a,h]anthracene	0.000		0	N.D. d		
39) Benzo[g,h,i]perylene	18.397	276	119M4	5.540	ng/mL	

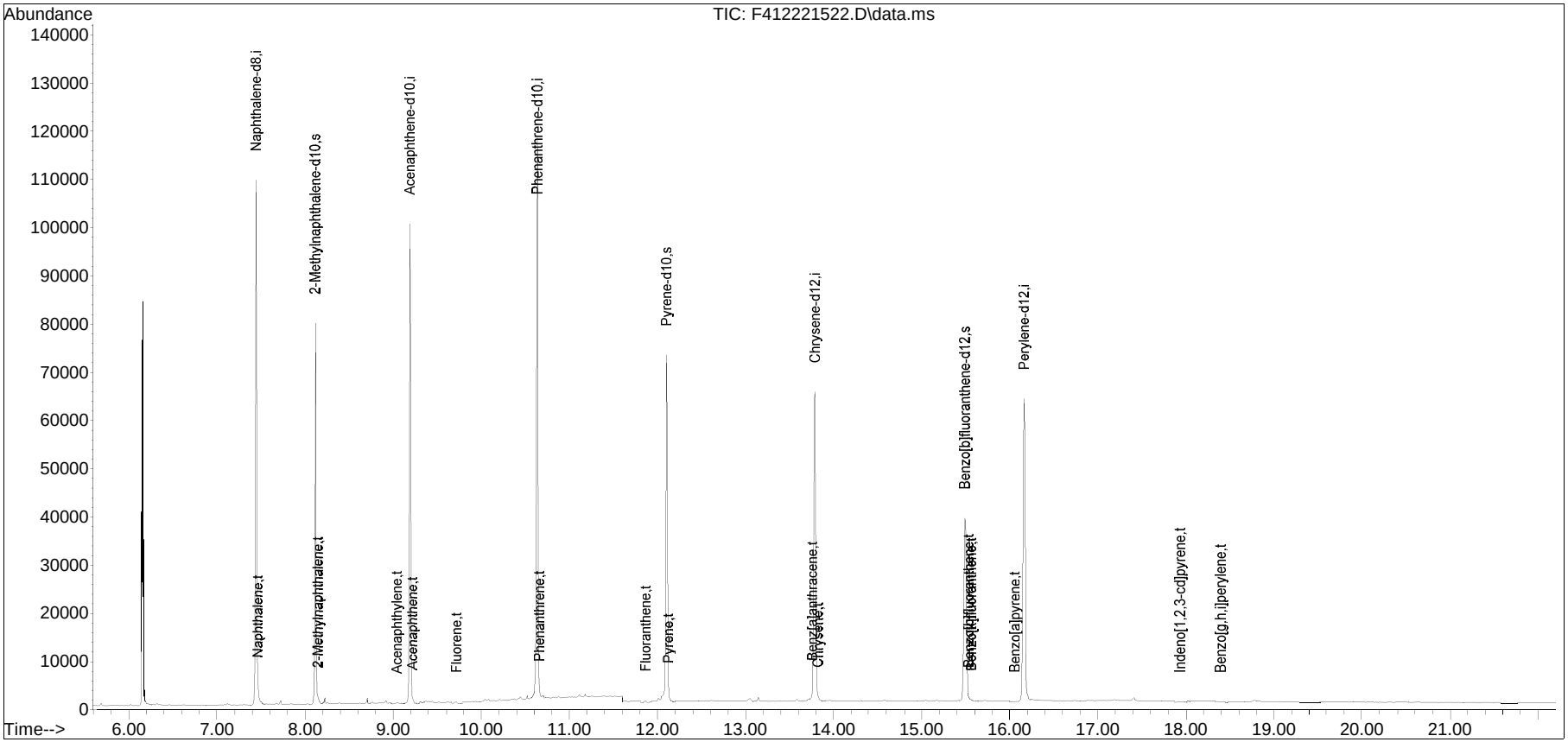
(#) = qualifier out of range (m) = manual integration (+) = signals summed

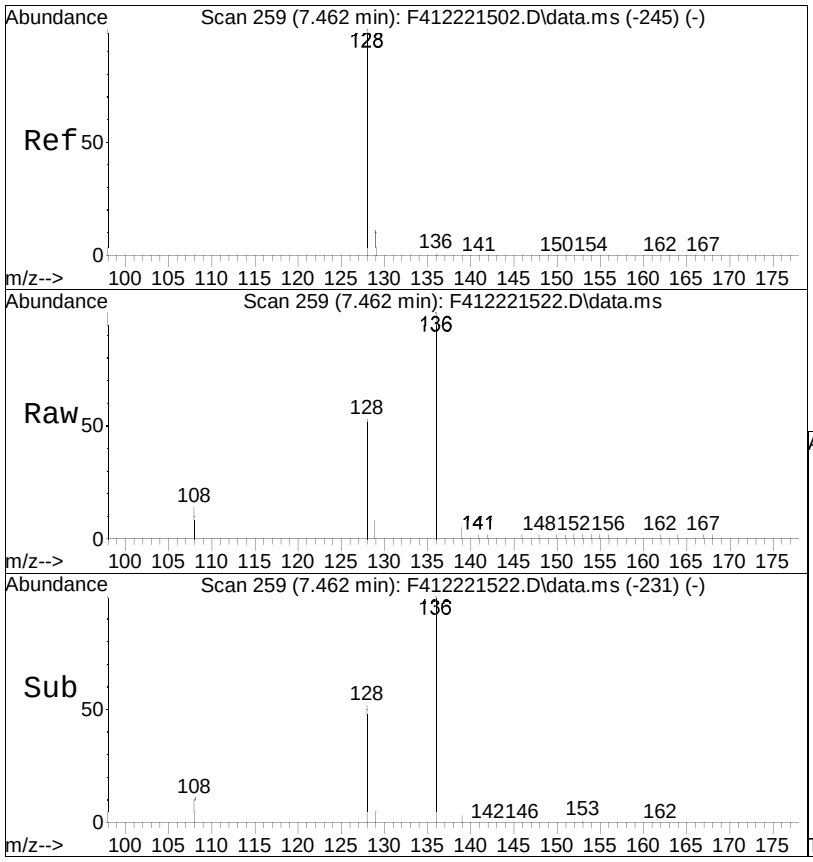
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221522.D
Acq On : 23 Dec 2015 1:33 am
Operator : BNA4:SF
Sample : L1533592-06
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 28 16:47:15 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

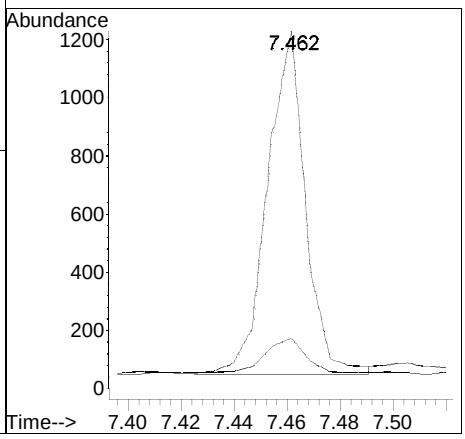


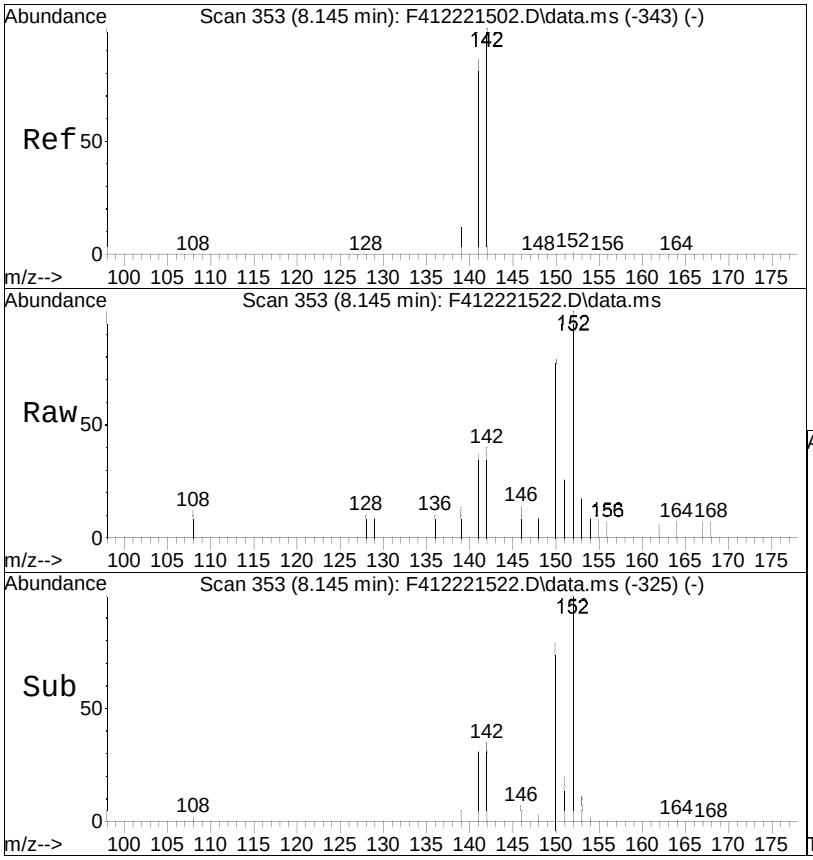


#2
Naphthalene
Concen: 5.97 ng/mL M4
RT: 7.462 min Scan# 259
Delta R.T. -0.000 min
Lab File: F412221522.D
Acq: 23 Dec 2015 1:33 am

Tgt Ion:128 Resp: 1157

Ion	Ratio	Lower	Upper
128	100		
129	14.3	8.7	13.1#

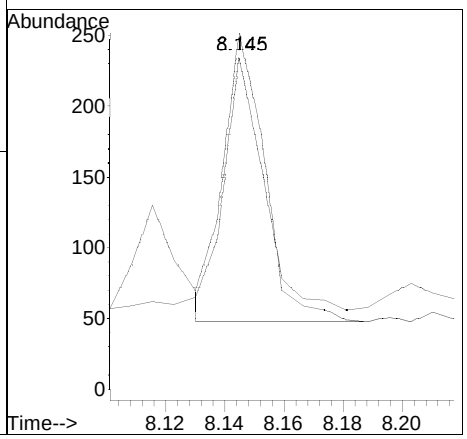


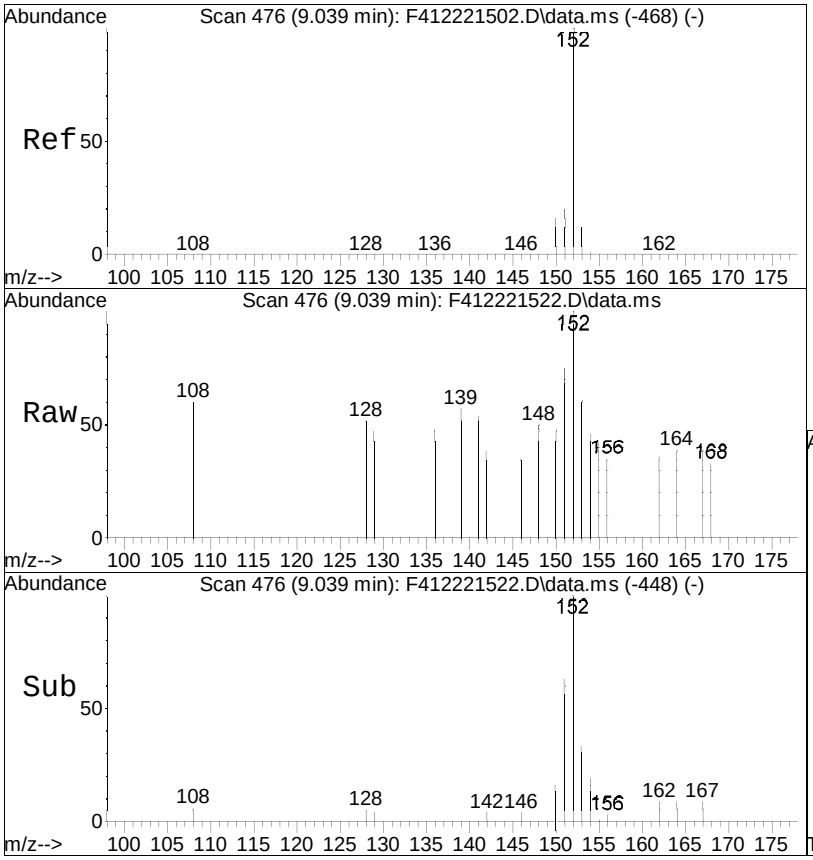


#5
2-Methylnaphthalene
Concen: 1.63 ng/mL
RT: 8.145 min Scan# 353
Delta R.T. -0.000 min
Lab File: F412221522.D
Acq: 23 Dec 2015 1:33 am

Tgt Ion:142 Resp: 198

Ion	Ratio	Lower	Upper
142	100		
141	93.3	68.8	103.2

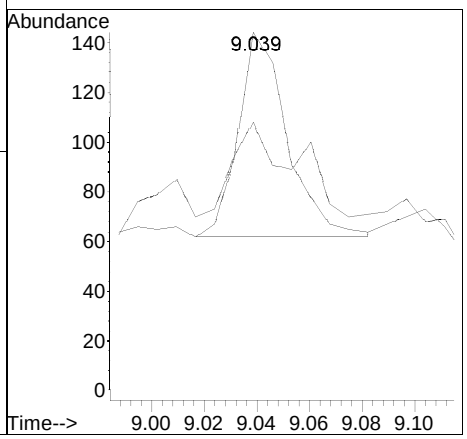


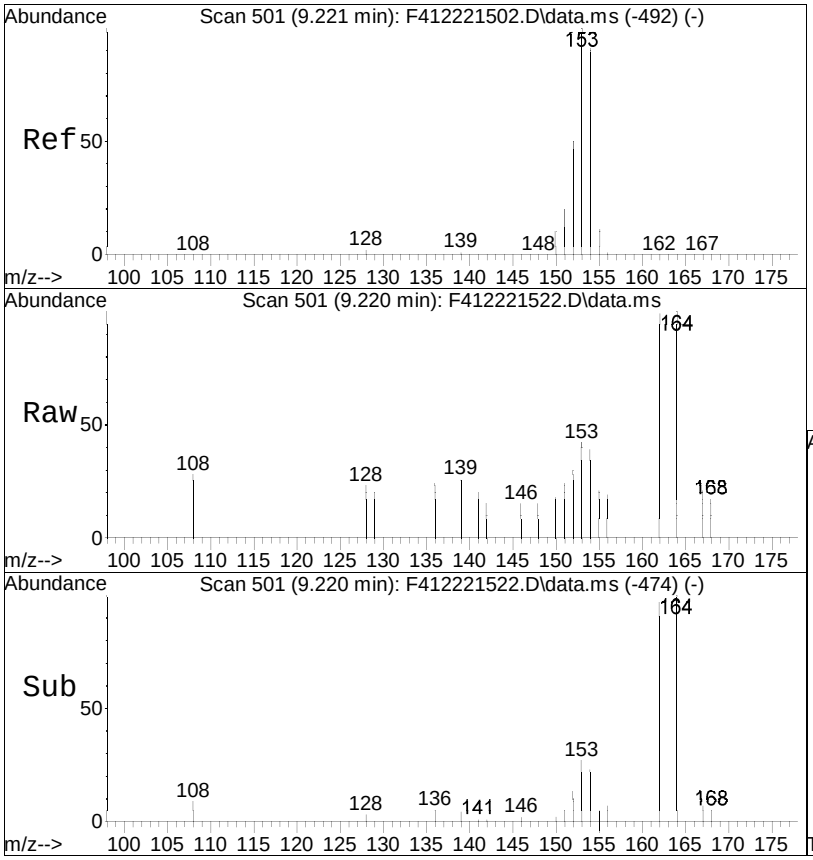


#12
Acenaphthylene
Concen: 0.59 ng/mL
RT: 9.039 min Scan# 476
Delta R.T. -0.000 min
Lab File: F412221522.D
Acq: 23 Dec 2015 1:33 am

Tgt Ion:152 Resp: 106

Ion	Ratio	Lower	Upper
152	100		
151	75.0	15.4	23.0#

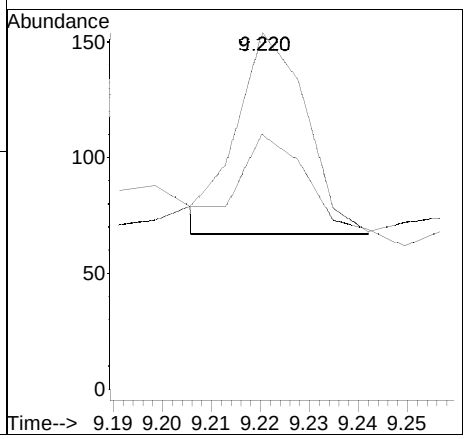


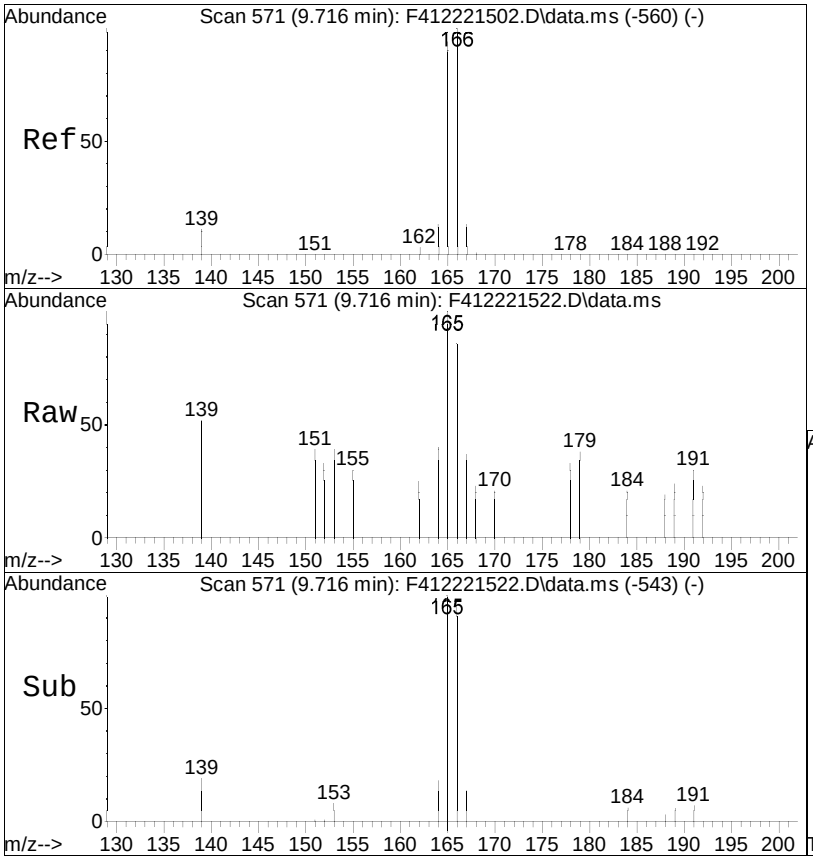


#13
Acenaphthene
Concen: 0.70 ng/mL M4
RT: 9.220 min Scan# 501
Delta R.T. -0.000 min
Lab File: F412221522.D
Acq: 23 Dec 2015 1:33 am

Tgt Ion:153 Resp: 85

Ion	Ratio	Lower	Upper
153	100		
152	71.4	37.8	56.8#

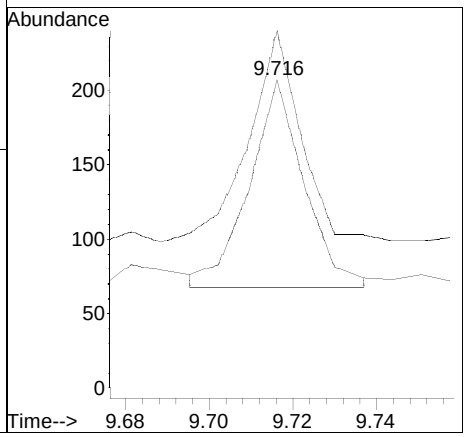


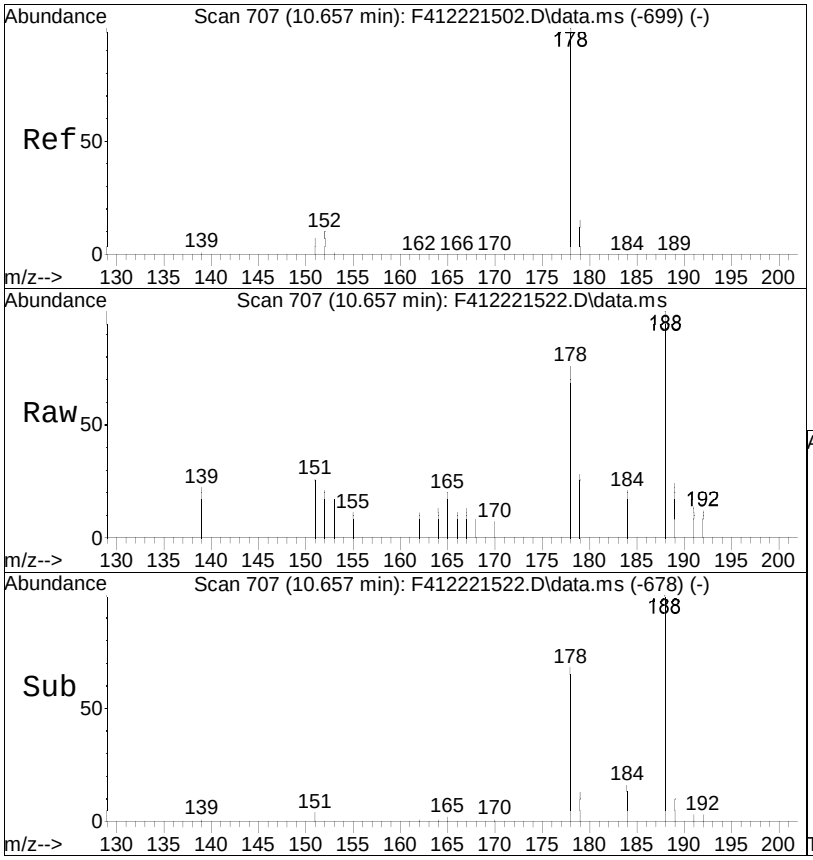


#15
Fluorene
Concen: 0.95 ng/mL M4
RT: 9.716 min Scan# 571
Delta R.T. -0.005 min
Lab File: F412221522.D
Acq: 23 Dec 2015 1:33 am

Tgt Ion:166 Resp: 125

Ion	Ratio	Lower	Upper
166	100		
165	115.9	73.2	109.8#

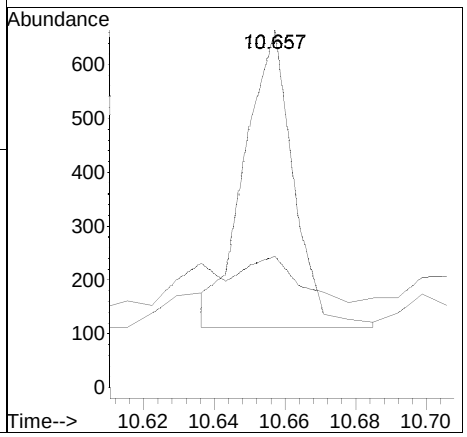


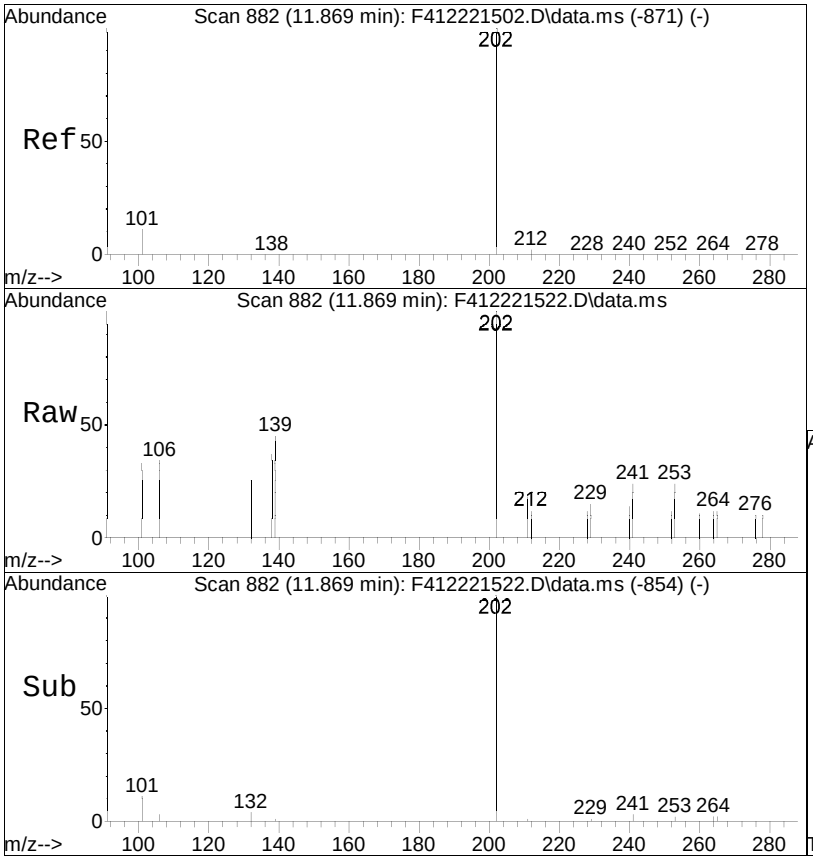


#19
Phenanthrene
Concen: 2.73 ng/mL M4
RT: 10.657 min Scan# 707
Delta R.T. 0.002 min
Lab File: F412221522.D
Acq: 23 Dec 2015 1:33 am

Tgt Ion:178 Resp: 523

Ion	Ratio	Lower	Upper
178	100		
179	37.0	11.9	17.9#

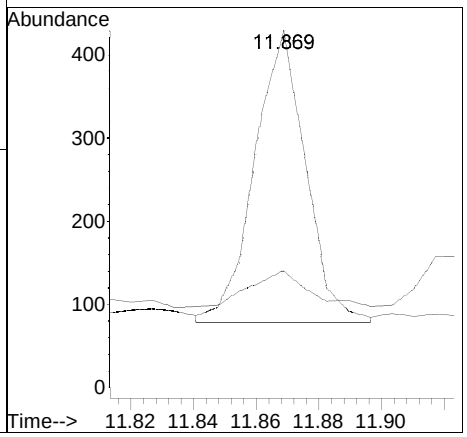


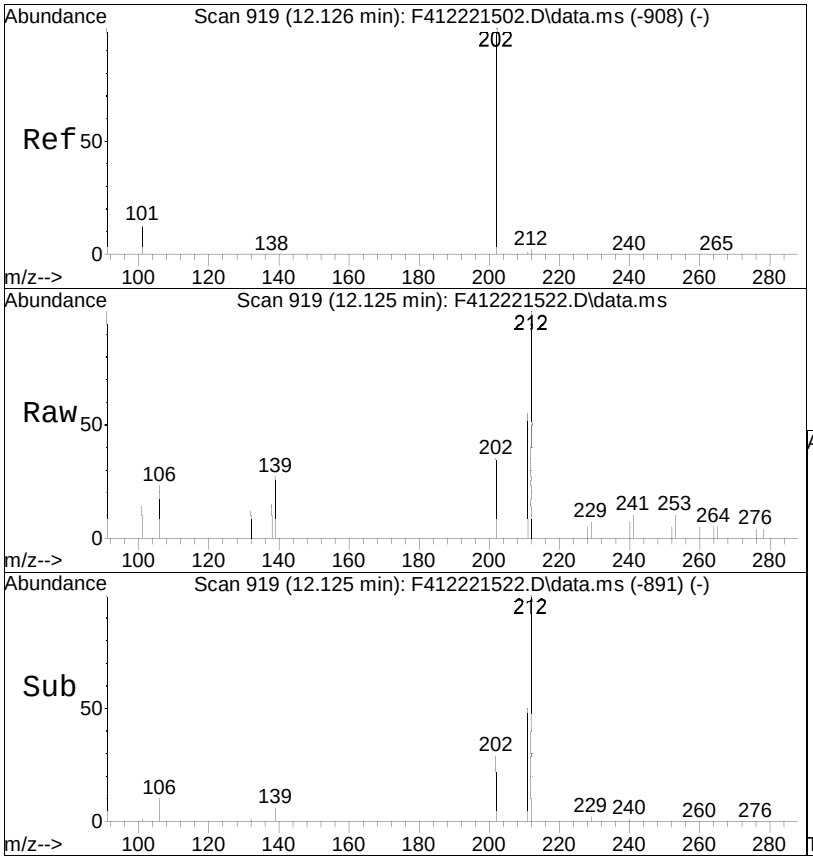


#23
Fluoranthene
Concen: 2.06 ng/mL M4
RT: 11.869 min Scan# 882
Delta R.T. -0.004 min
Lab File: F412221522.D
Acq: 23 Dec 2015 1:33 am

Tgt Ion:202 Resp: 393

Ion	Ratio	Lower	Upper
202	100		
101	32.9	8.3	12.5#

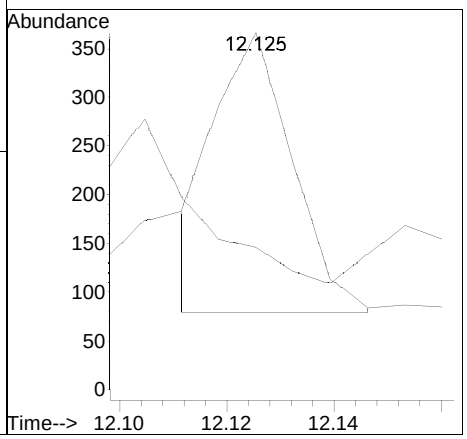


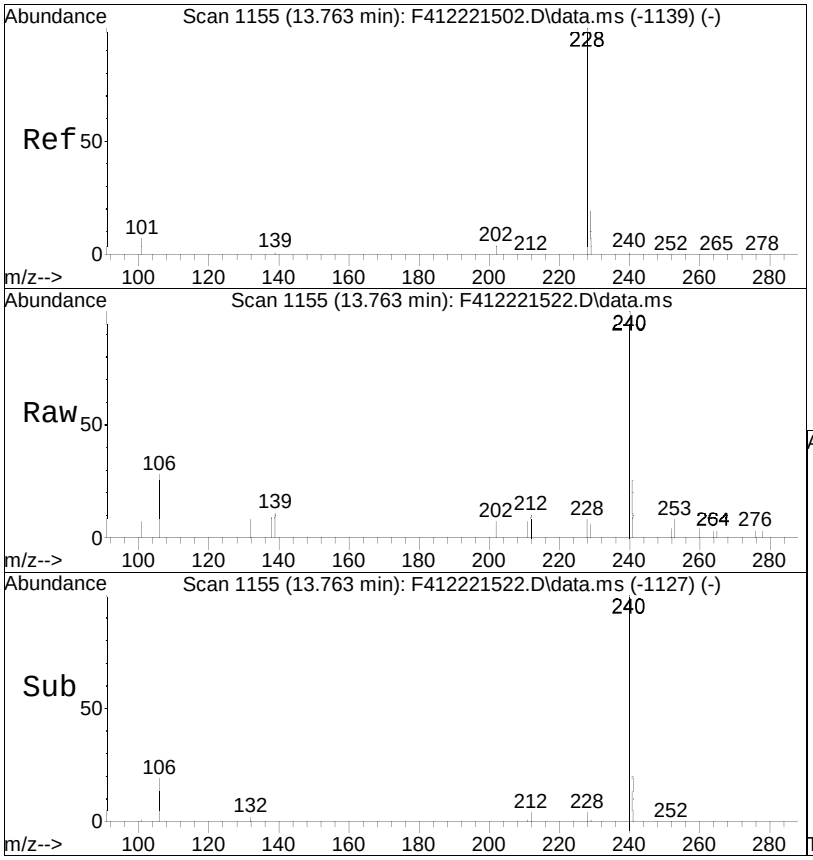


#26
Pyrene
Concen: 1.38 ng/mL M4
RT: 12.125 min Scan# 919
Delta R.T. -0.005 min
Lab File: F412221522.D
Acq: 23 Dec 2015 1:33 am

Tgt Ion:202 Resp: 289

Ion	Ratio	Lower	Upper
202	100		
101	39.9	10.1	15.1#

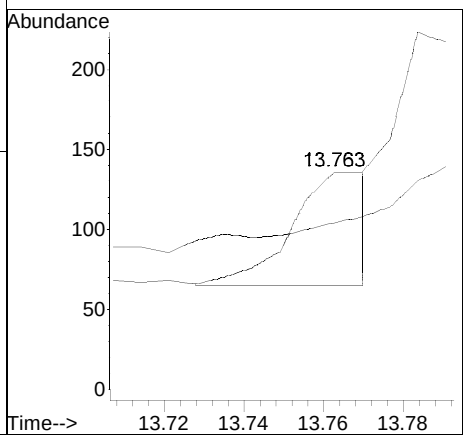


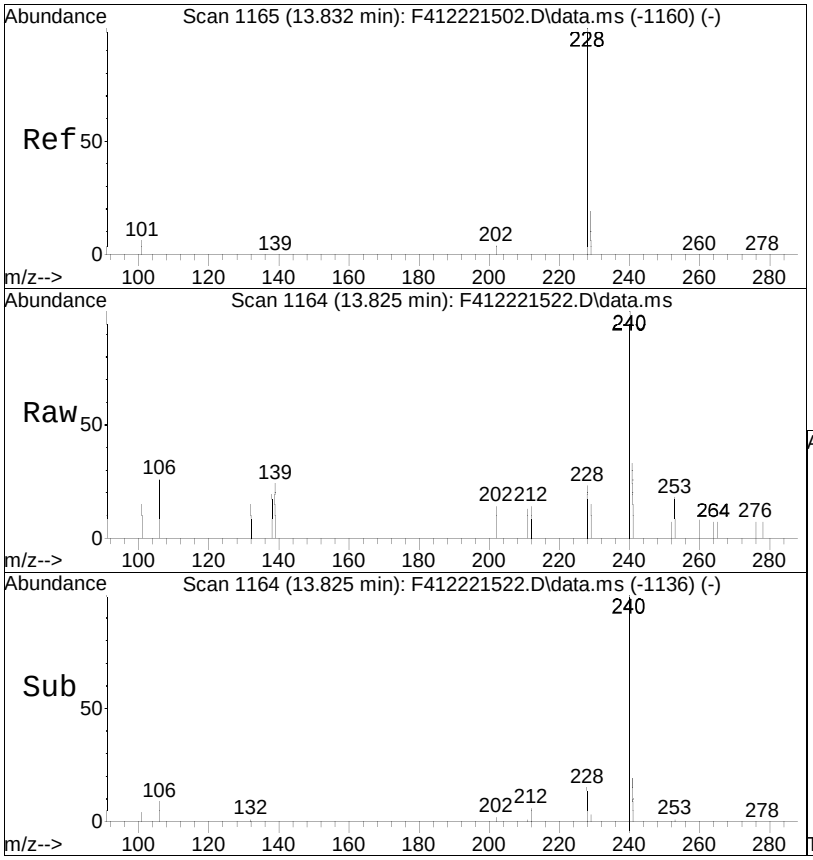


#27
Benz[a]anthracene
Concen: 5.00 ng/mL M4
RT: 13.763 min Scan# 1155
Delta R.T. -0.004 min
Lab File: F412221522.D
Acq: 23 Dec 2015 1:33 am

Tgt Ion:228 Resp: 97

Ion	Ratio	Lower	Upper
228	100		
229	76.5	15.2	22.8#

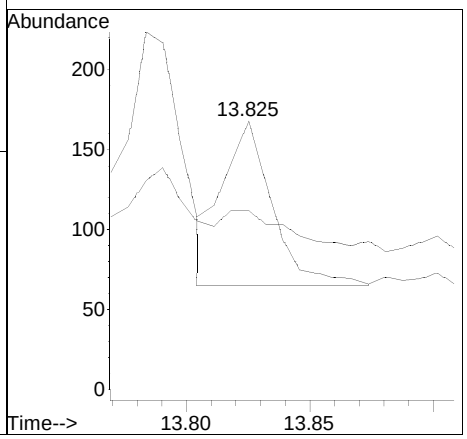


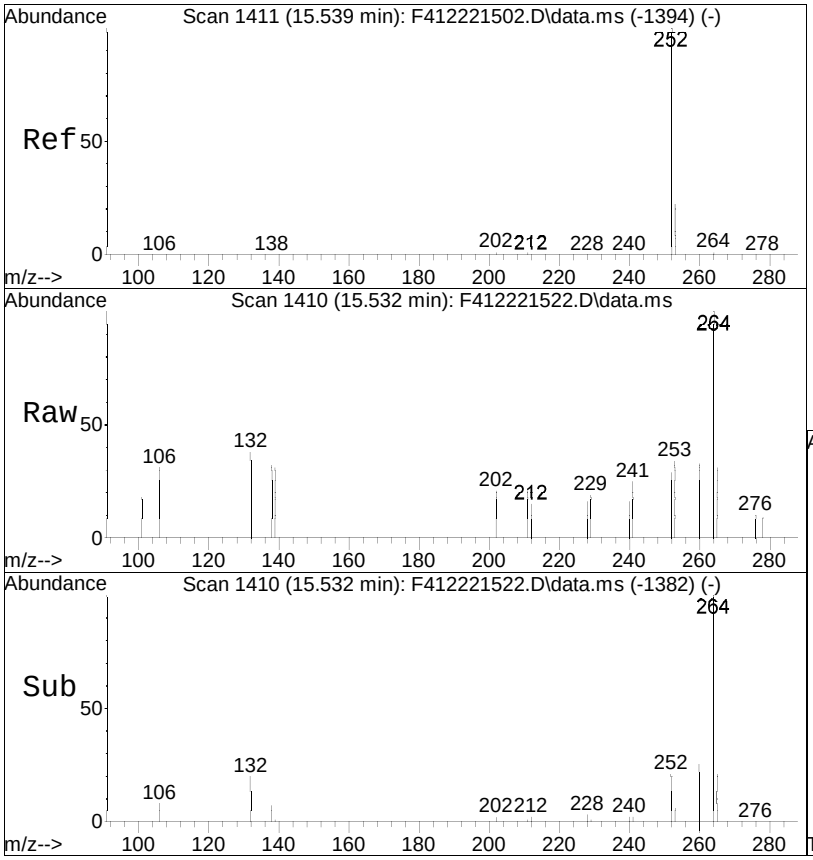


#28
Chrysene
Concen: 0.90 ng/mL M4
RT: 13.825 min Scan# 1164
Delta R.T. -0.005 min
Lab File: F412221522.D
Acq: 23 Dec 2015 1:33 am

Tgt Ion:228 Resp: 146

Ion	Ratio	Lower	Upper
228	100		
229	66.7	15.0	22.6#

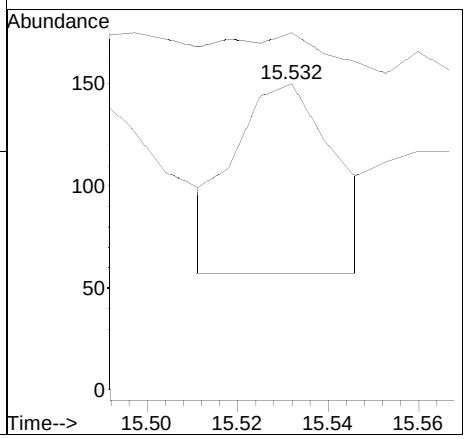


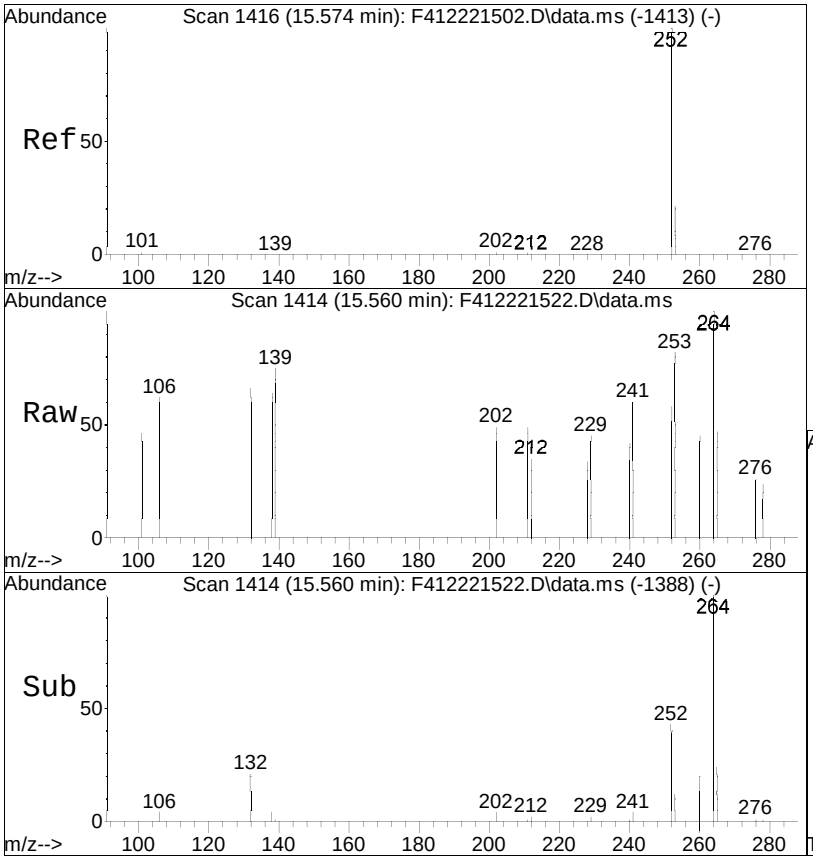


#32
Benzo[b]fluoranthene
Concen: 7.75 ng/mL M4
RT: 15.532 min Scan# 1410
Delta R.T. -0.004 min
Lab File: F412221522.D
Acq: 23 Dec 2015 1:33 am

Tgt Ion:252 Resp: 144

Ion	Ratio	Lower	Upper
252	100		
253	116.7	17.1	25.7#

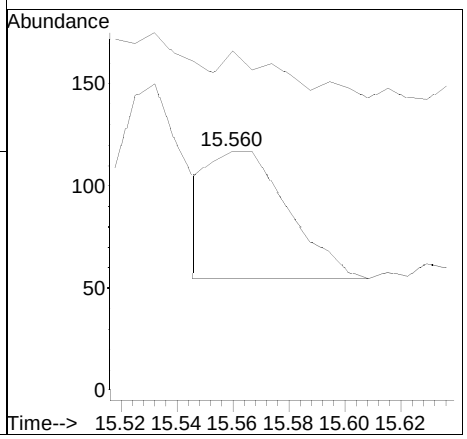


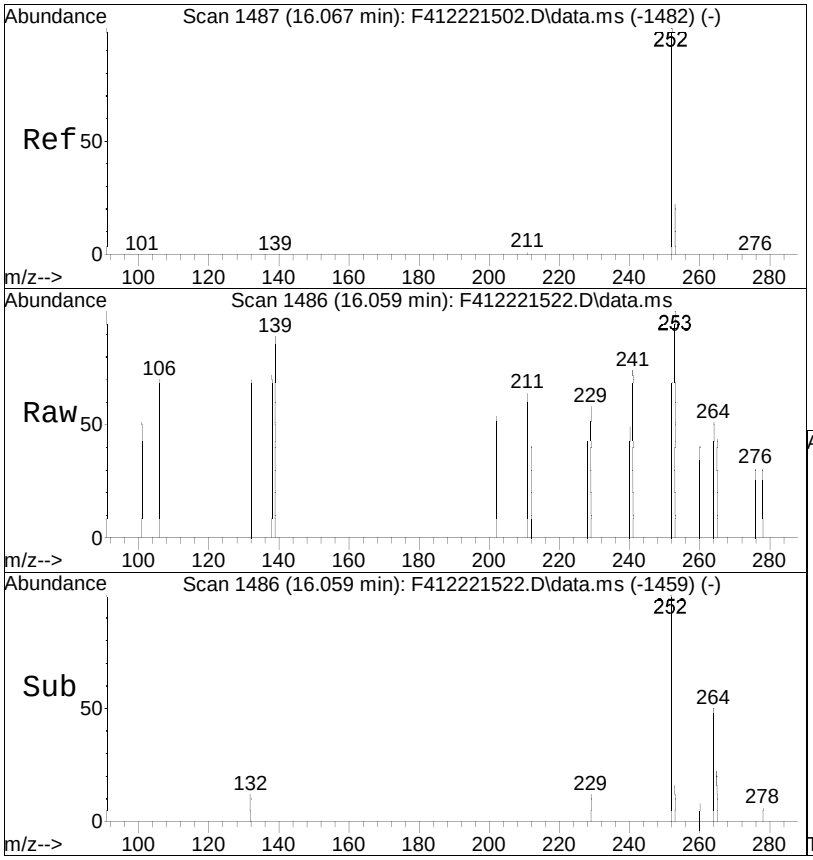


#33
Benzo[k]fluoranthene
Concen: 3.48 ng/mL M4
RT: 15.560 min Scan# 1414
Delta R.T. -0.018 min
Lab File: F412221522.D
Acq: 23 Dec 2015 1:33 am

Tgt Ion:252 Resp: 122

Ion	Ratio	Lower	Upper
252	100		
253	141.9	17.2	25.8#

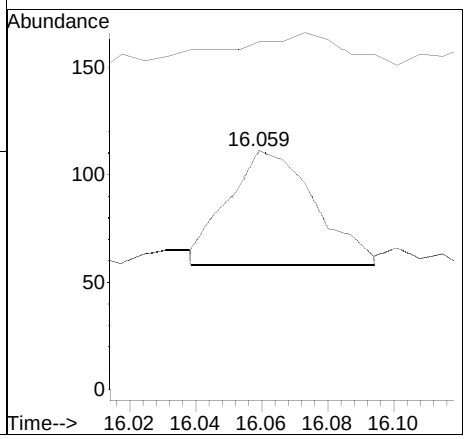


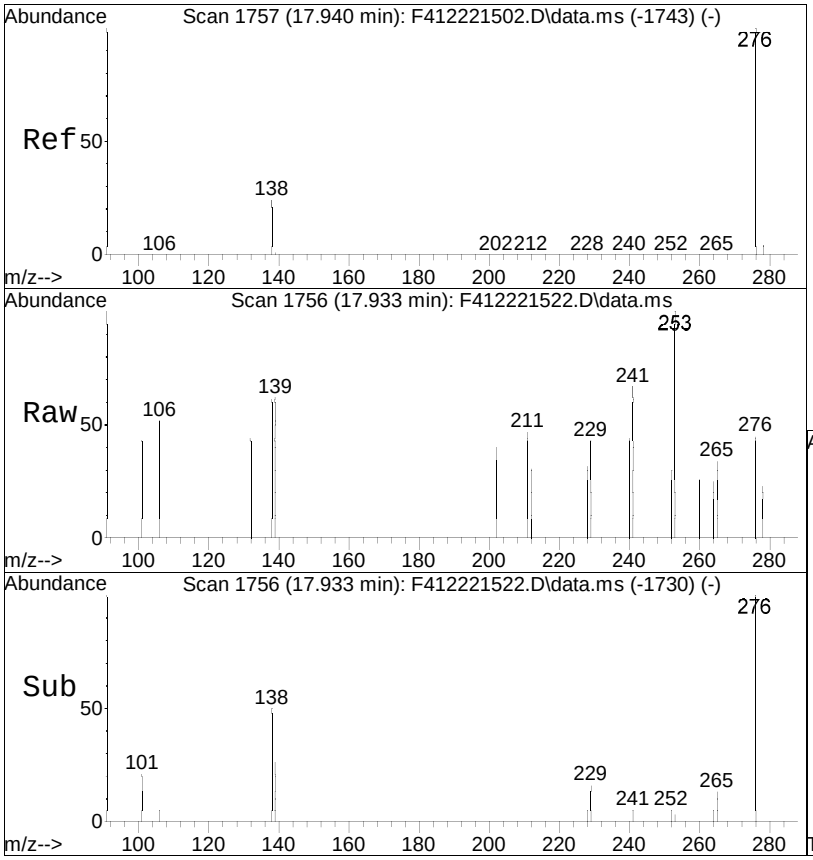


#35
Benzo[a]pyrene
Concen: 6.36 ng/mL M4
RT: 16.059 min Scan# 1486
Delta R.T. -0.011 min
Lab File: F412221522.D
Acq: 23 Dec 2015 1:33 am

Tgt Ion:252 Resp: 97

Ion	Ratio	Lower	Upper
252	100		
253	145.9	17.3	25.9#

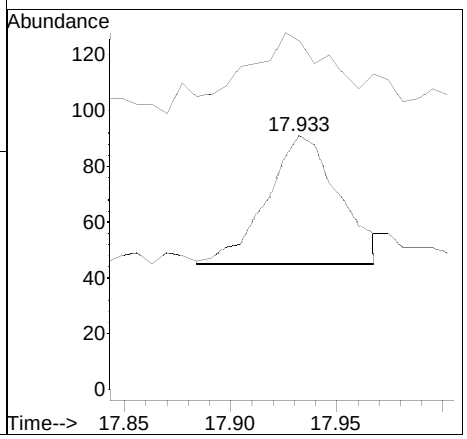


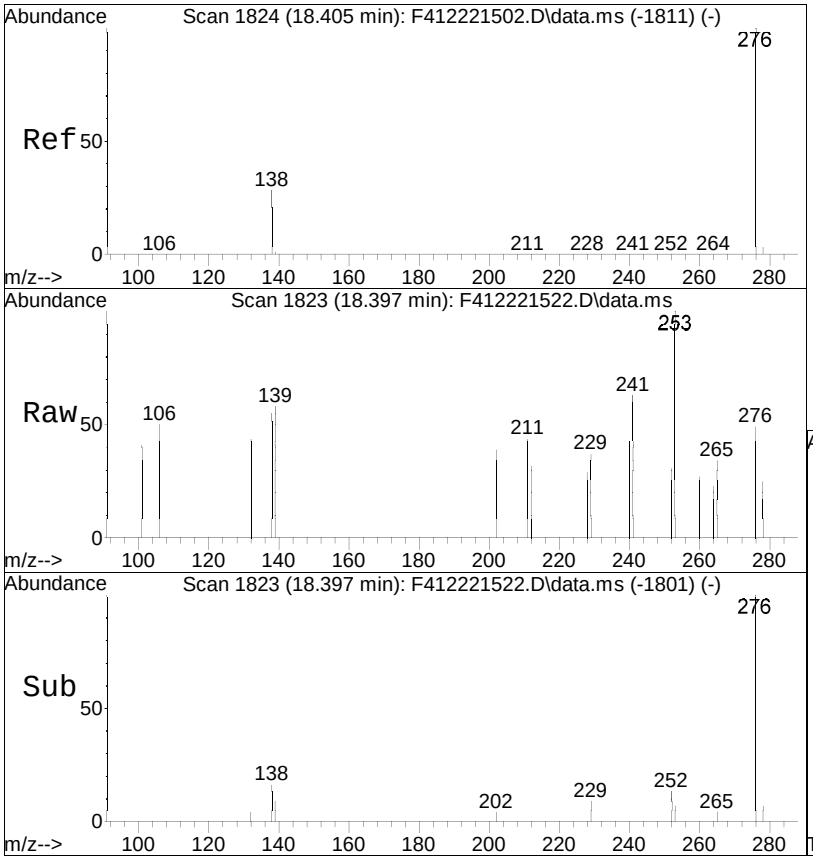


#37
Indeno[1,2,3-cd]pyrene
Concen: 6.90 ng/mL M4
RT: 17.933 min Scan# 1756
Delta R.T. -0.011 min
Lab File: F412221522.D
Acq: 23 Dec 2015 1:33 am

Tgt Ion:276 Resp: 108

Ion	Ratio	Lower	Upper
276	100		
138	137.4	20.3	30.5#

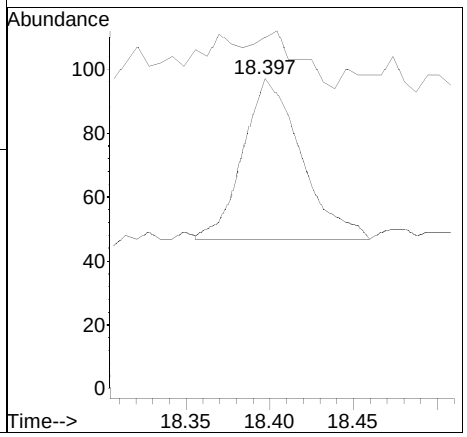




#39
Benzo[g,h,i]perylene
Concen: 5.54 ng/mL M4
RT: 18.397 min Scan# 1823
Delta R.T. -0.011 min
Lab File: F412221522.D
Acq: 23 Dec 2015 1:33 am

Tgt Ion:276 Resp: 119

Ion	Ratio	Lower	Upper
276	100		
138	113.4	20.2	30.4#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221523.D
Acq On : 23 Dec 2015 2:04 am
Operator : BNA4:SF
Sample : L1533592-07
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jan 12 12:51:23 2016
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.440	136	94327	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.191	164	45922	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.636	188	87779	500.000	ng/mL	0.00
24) Chrysene-d12	13.791	240	70635M4	500.000	ng/mL	0.00
29) Perylene-d12	16.163	264	60812	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.116	152	34311	335.976	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 6.72%#			
25) Pyrene-d10	12.105	212	56442M4	411.784	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.24%#			
31) Benzo[b]fluoranthene-d12	15.490	264	38369	385.414	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 7.71%#			
Target Compounds						Qvalue
2) Naphthalene	7.462	128	1019M4	5.124	ng/mL	
5) 2-Methylnaphthalene	8.145	142	186M4	1.491	ng/mL	
12) Acenaphthylene	9.039	152	90	N.D.		
13) Acenaphthene	9.220	153	60	N.D.		
15) Fluorene	9.716	166	120M4	0.894	ng/mL	
19) Phenanthrene	10.657	178	453M4	2.345	ng/mL	
20) Anthracene	10.699	178	36	N.D.		
23) Fluoranthene	11.869	202	228M4	1.188	ng/mL	
26) Pyrene	12.125	202	161M4	0.763	ng/mL	
27) Benz[a]anthracene	0.000		0	N.D.	d	
28) Chrysene	13.825	228	62	N.D.		
32) Benzo[b]fluoranthene	15.525	252	65M4	7.290	ng/mL	
33) Benzo[k]fluoranthene	15.560	252	41M4	2.894	ng/mL	
35) Benzo[a]pyrene	16.059	252	48	6.041	ng/mL#	1
37) Indeno[1,2,3-cd]pyrene	17.933	276	48M4	6.452	ng/mL	
38) Dibenz[a,h]anthracene	0.000		0	N.D.	d	
39) Benzo[g,h,i]perylene	18.404	276	51M4	5.068	ng/mL	

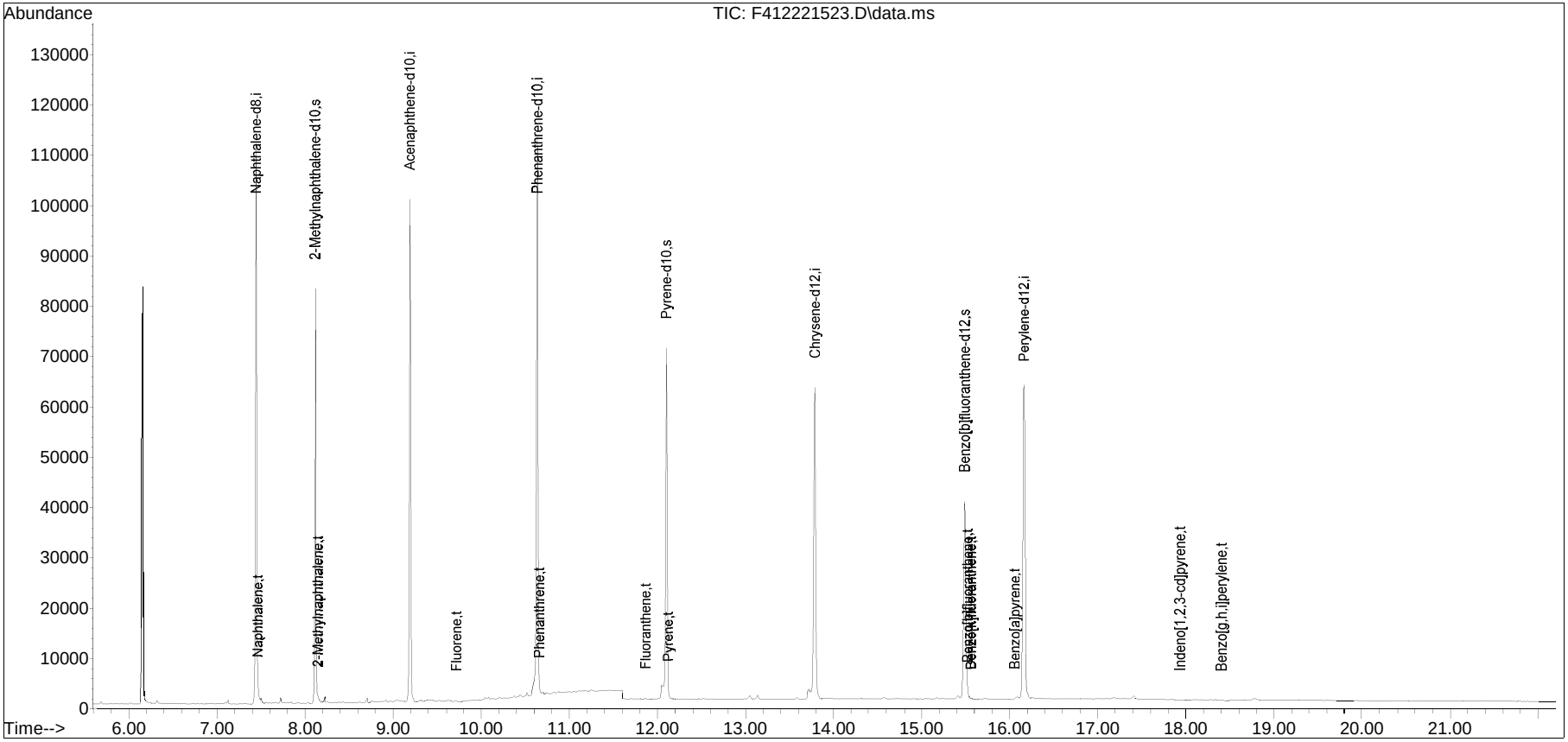
(#) = qualifier out of range (m) = manual integration (+) = signals summed

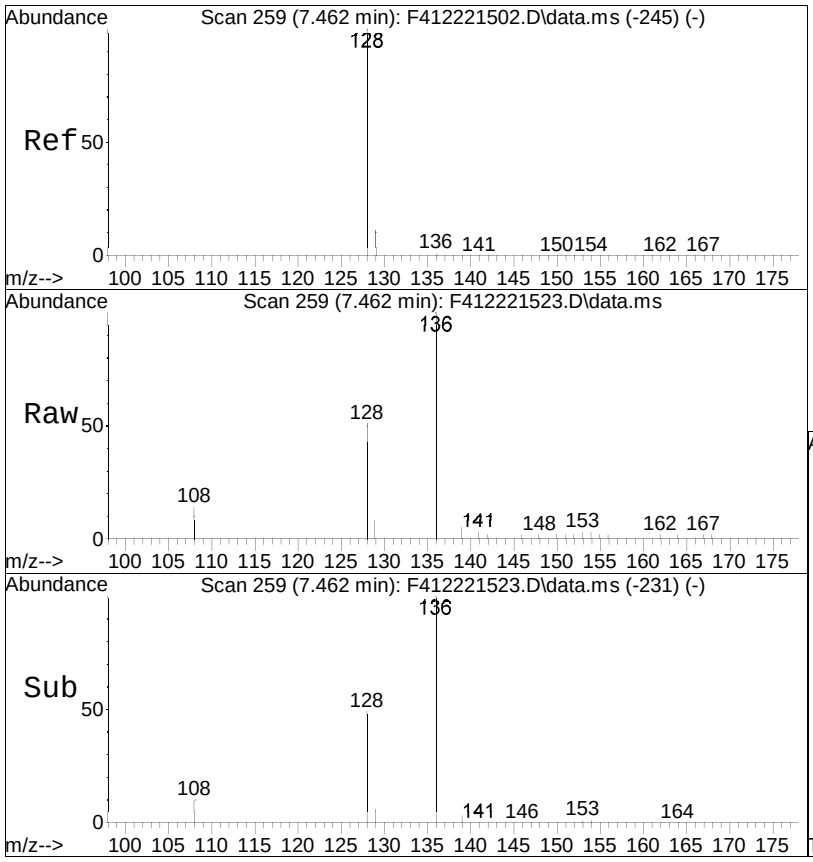
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221523.D
Acq On : 23 Dec 2015 2:04 am
Operator : BNA4:SF
Sample : L1533592-07
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jan 12 12:51:23 2016
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

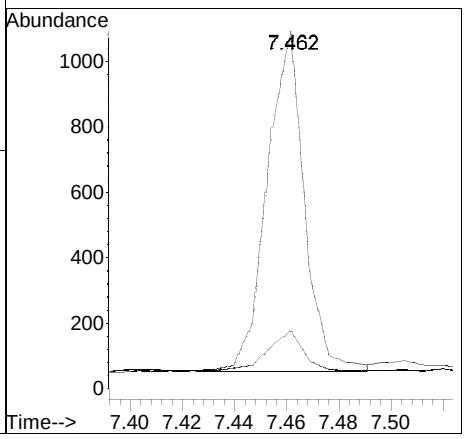


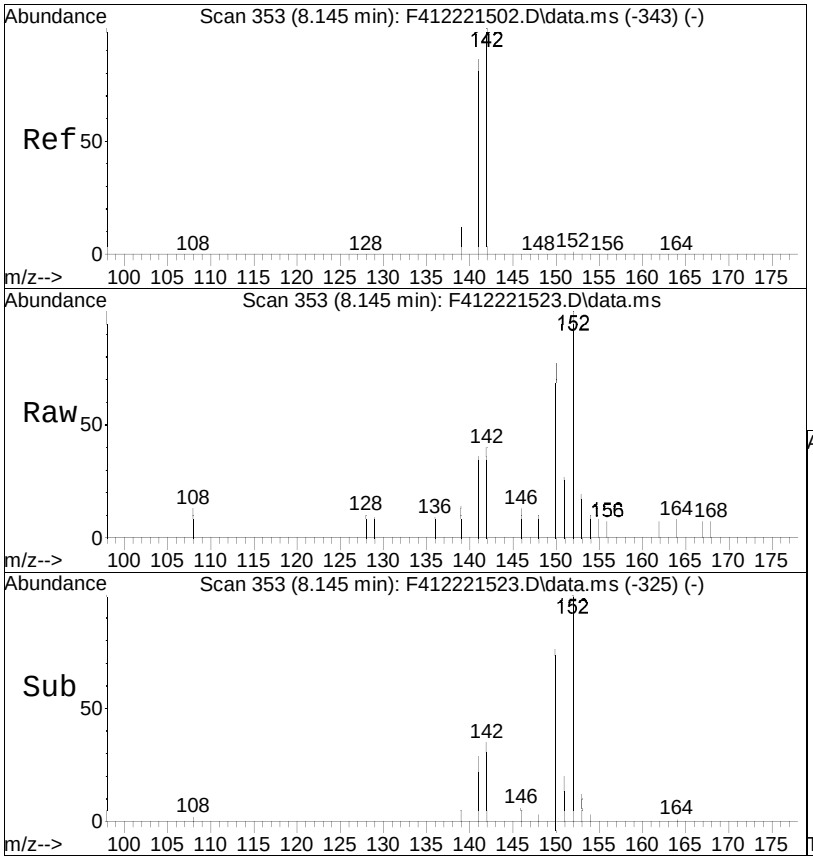


#2
Naphthalene
Concen: 5.12 ng/mL M4
RT: 7.462 min Scan# 259
Delta R.T. -0.000 min
Lab File: F412221523.D
Acq: 23 Dec 2015 2:04 am

Tgt Ion:128 Resp: 1019

Ion	Ratio	Lower	Upper
128	100		
129	16.2	8.7	13.1#

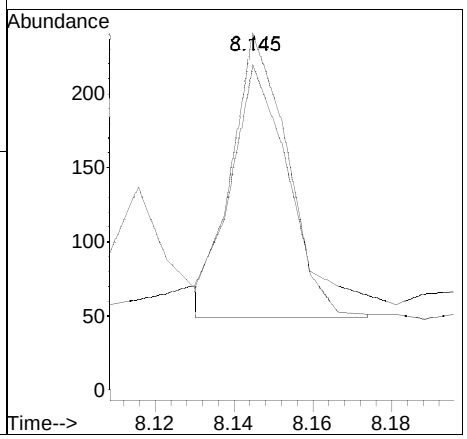


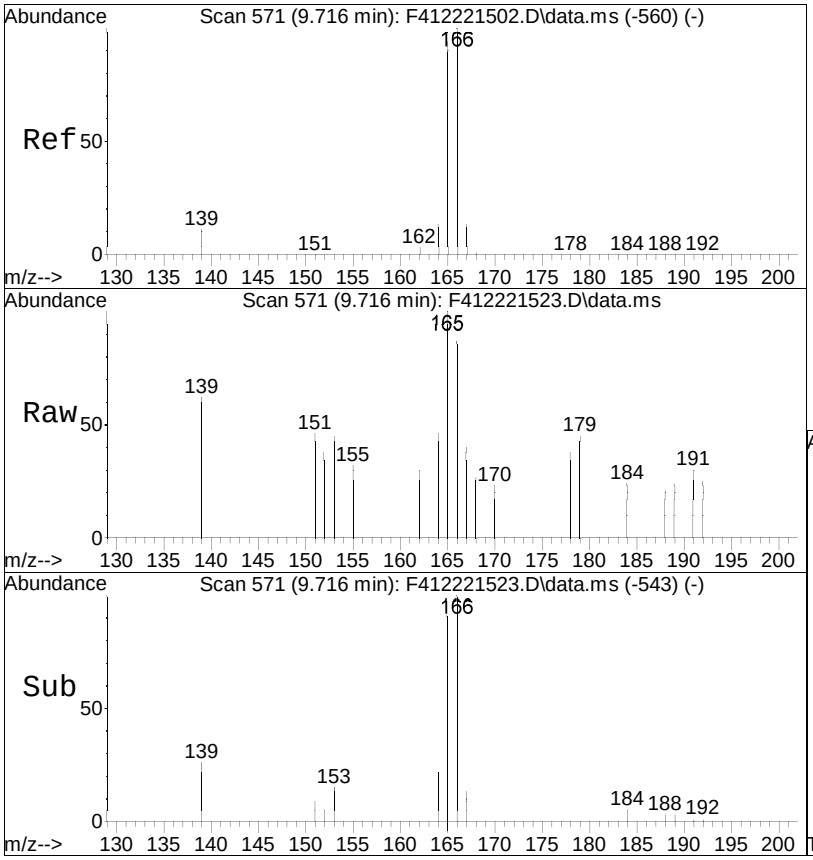


#5
2-Methylnaphthalene
Concen: 1.49 ng/mL M4
RT: 8.145 min Scan# 353
Delta R.T. -0.000 min
Lab File: F412221523.D
Acq: 23 Dec 2015 2:04 am

Tgt Ion:142 Resp: 186

Ion	Ratio	Lower	Upper
142	100		
141	90.9	68.8	103.2

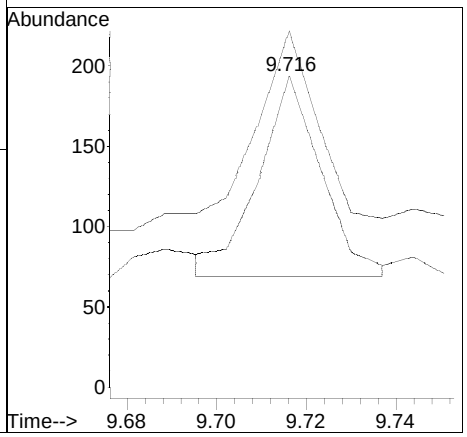


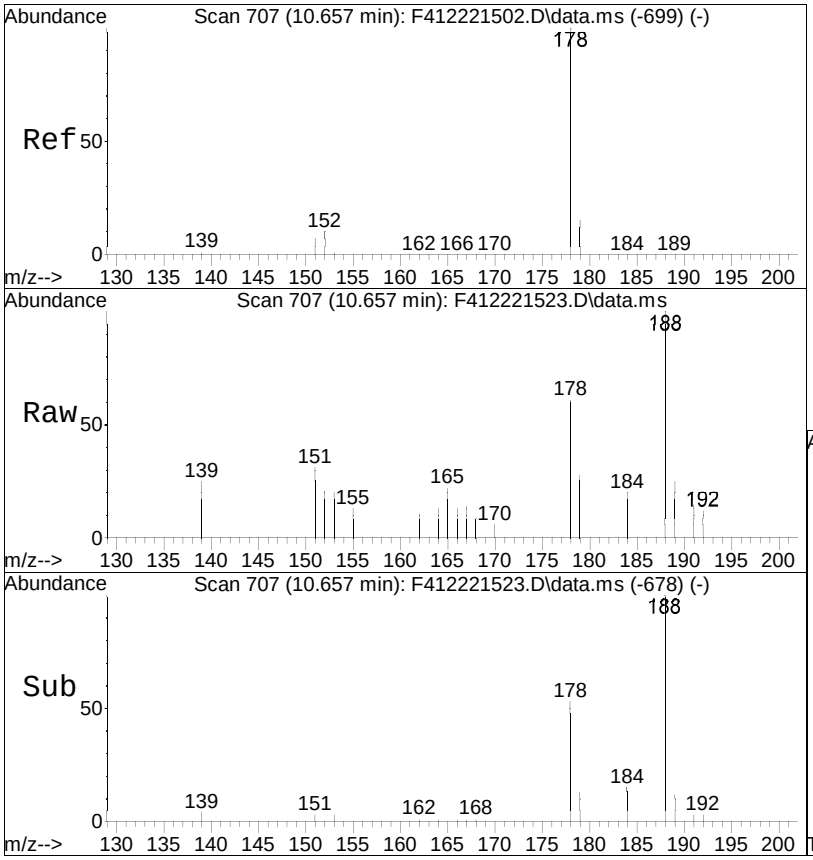


#15
Fluorene
Concen: 0.89 ng/mL M4
RT: 9.716 min Scan# 571
Delta R.T. -0.005 min
Lab File: F412221523.D
Acq: 23 Dec 2015 2:04 am

Tgt Ion:166 Resp: 120

Ion	Ratio	Lower	Upper
166	100		
165	114.4	73.2	109.8#

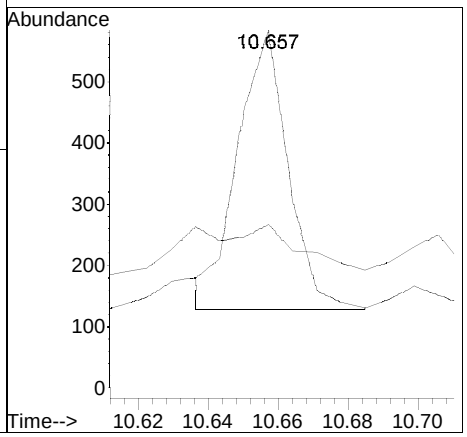


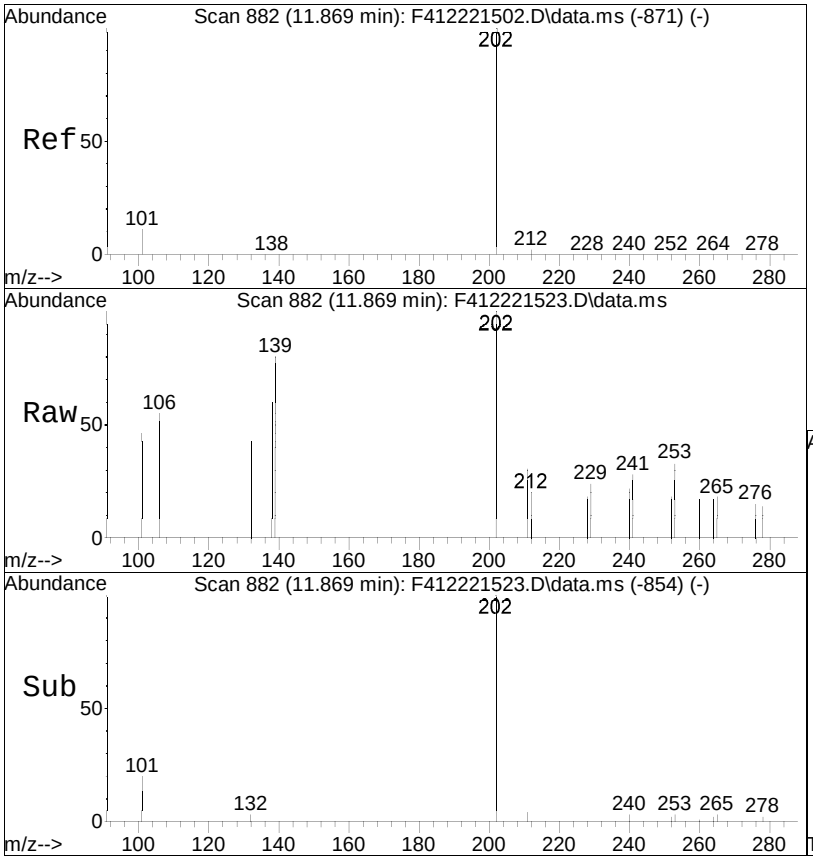


#19
Phenanthrene
Concen: 2.35 ng/mL M4
RT: 10.657 min Scan# 707
Delta R.T. 0.002 min
Lab File: F412221523.D
Acq: 23 Dec 2015 2:04 am

Tgt Ion:178 Resp: 453

Ion	Ratio	Lower	Upper
178	100		
179	45.8	11.9	17.9#

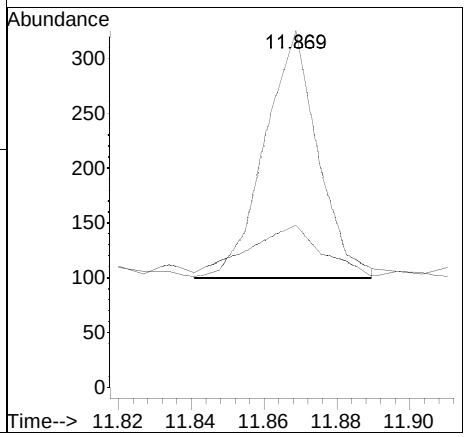


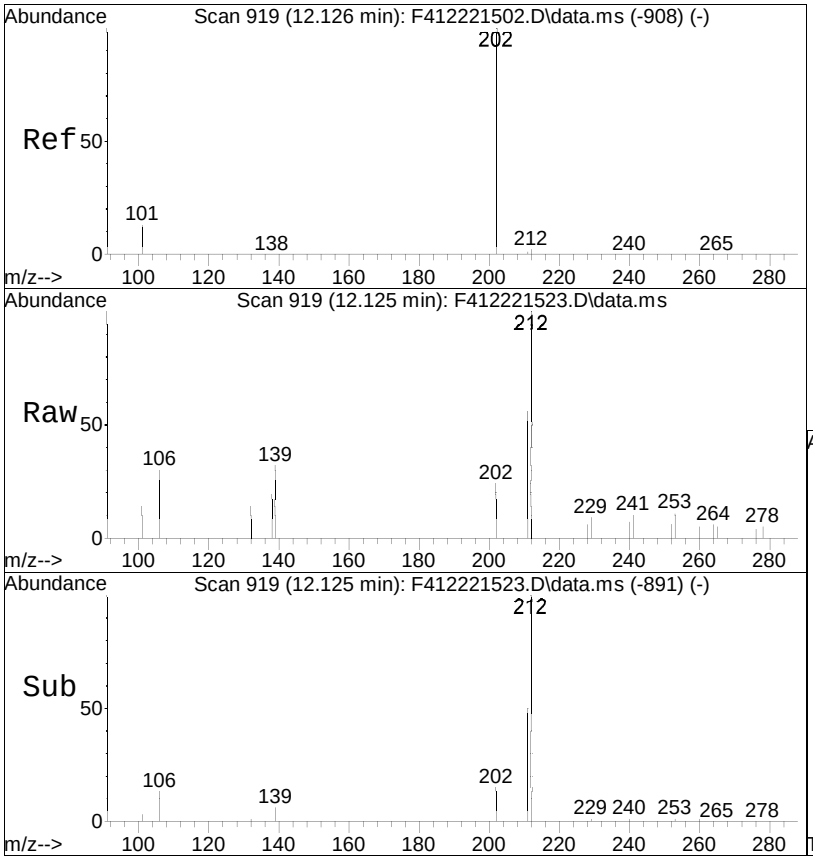


#23
Fluoranthene
Concen: 1.19 ng/mL M4
RT: 11.869 min Scan# 882
Delta R.T. -0.004 min
Lab File: F412221523.D
Acq: 23 Dec 2015 2:04 am

Tgt Ion:202 Resp: 228

Ion	Ratio	Lower	Upper
202	100		
101	45.5	8.3	12.5#

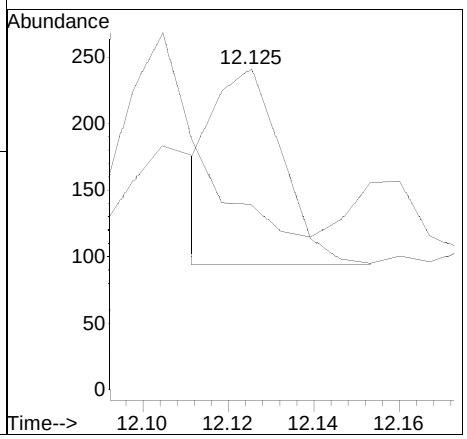


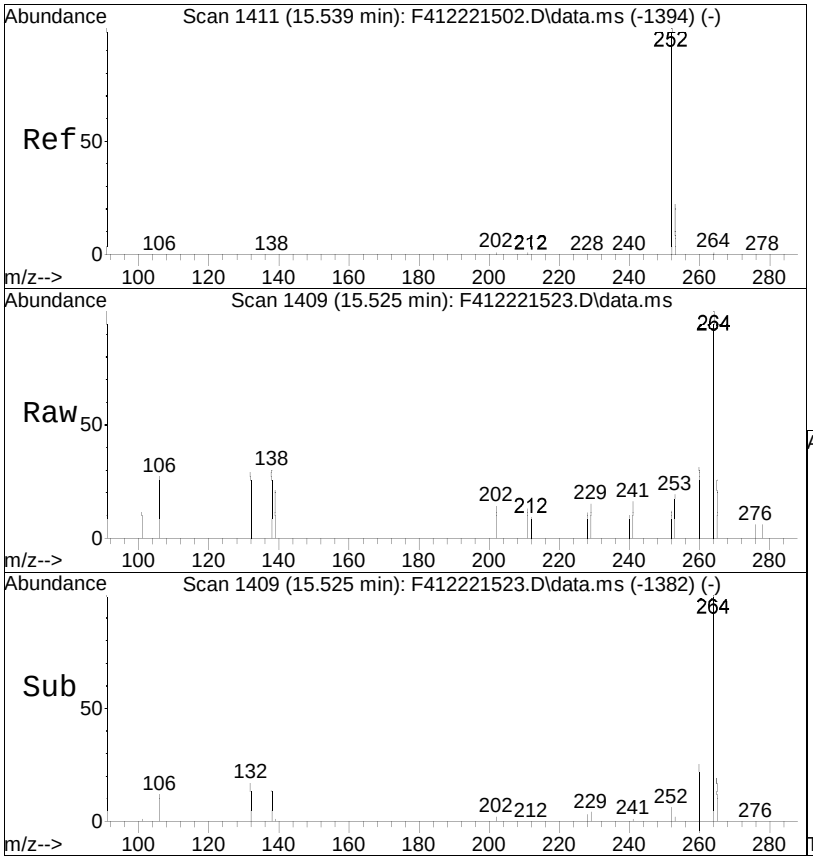


#26
Pyrene
Concen: 0.76 ng/mL M4
RT: 12.125 min Scan# 919
Delta R.T. -0.004 min
Lab File: F412221523.D
Acq: 23 Dec 2015 2:04 am

Tgt Ion:202 Resp: 161

Ion	Ratio	Lower	Upper
202	100		
101	57.7	10.1	15.1#

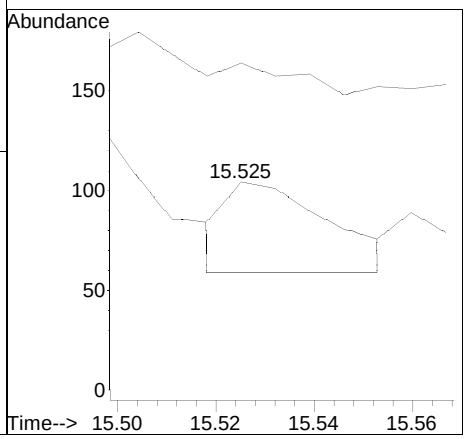


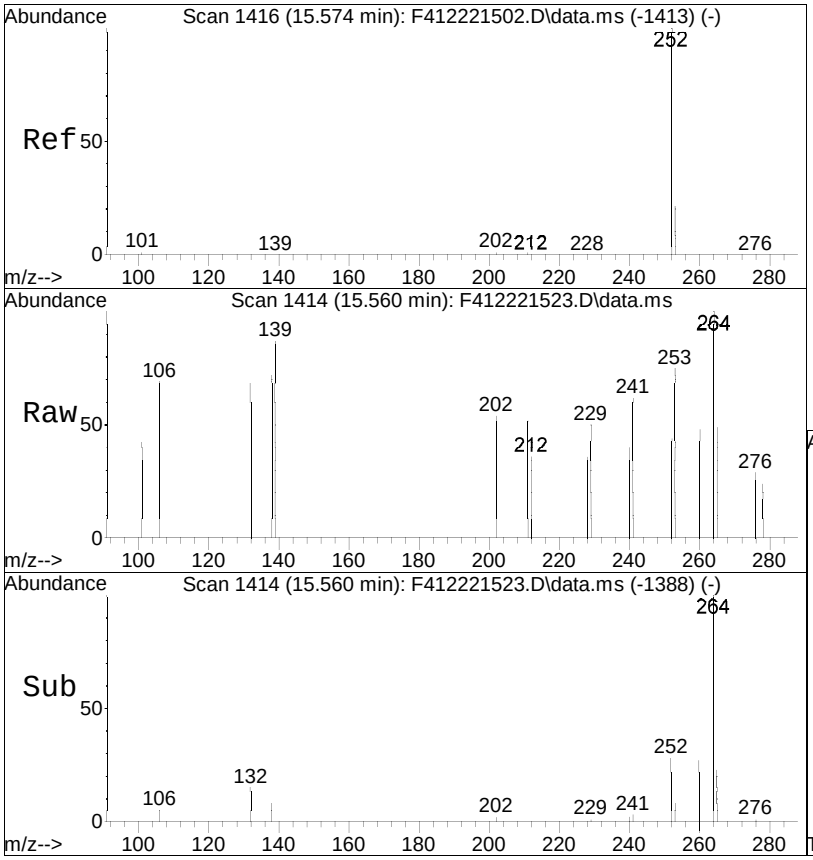


#32
Benzo[b]fluoranthene
Concen: 7.29 ng/mL M4
RT: 15.525 min Scan# 1409
Delta R.T. -0.011 min
Lab File: F412221523.D
Acq: 23 Dec 2015 2:04 am

Tgt Ion:252 Resp: 65

Ion	Ratio	Lower	Upper
252	100		
253	157.7	17.1	25.7#

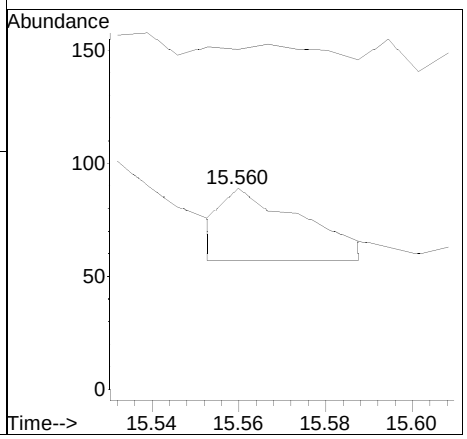


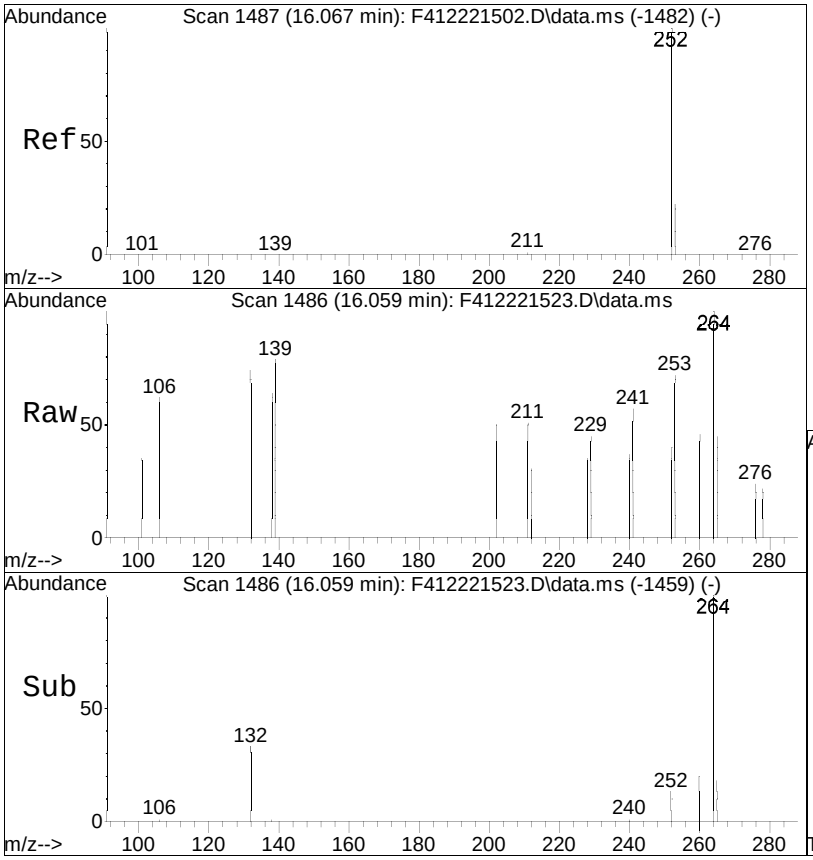


#33
Benzo[k]fluoranthene
Concen: 2.89 ng/mL M4
RT: 15.560 min Scan# 1414
Delta R.T. -0.018 min
Lab File: F412221523.D
Acq: 23 Dec 2015 2:04 am

Tgt Ion:252 Resp: 41

Ion	Ratio	Lower	Upper
252	100		
253	169.7	17.2	25.8#

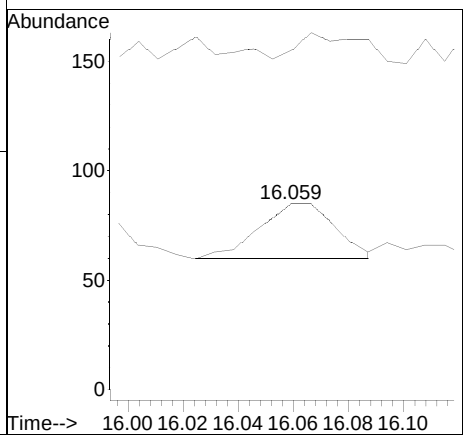


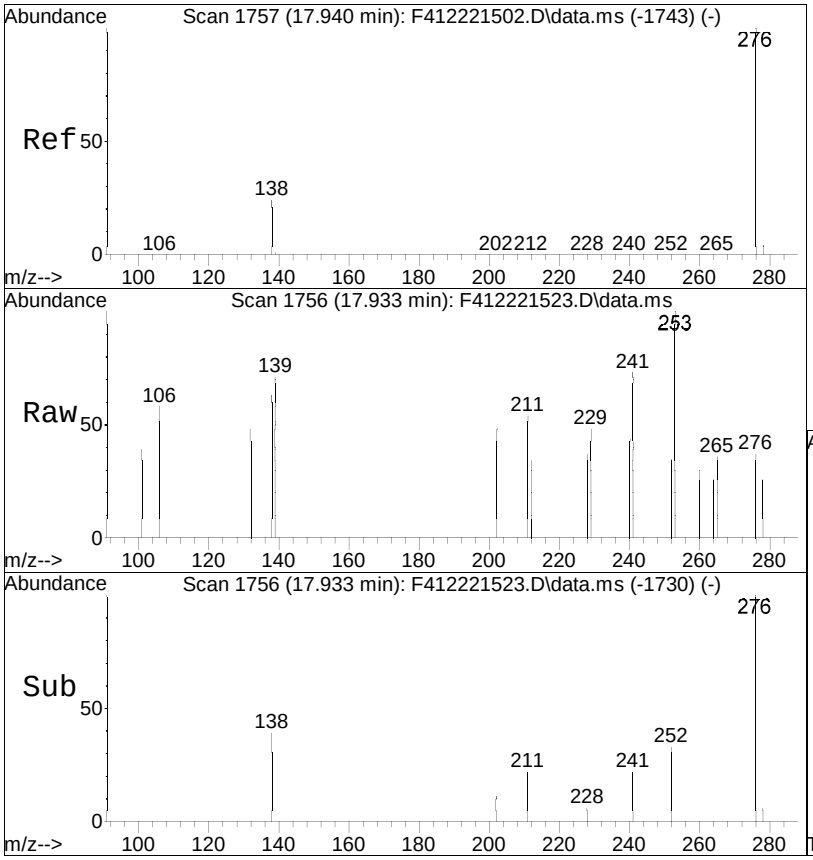


#35
Benzo[a]pyrene
Concen: 6.04 ng/mL
RT: 16.059 min Scan# 1486
Delta R.T. -0.011 min
Lab File: F412221523.D
Acq: 23 Dec 2015 2:04 am

Tgt Ion:252 Resp: 48

Ion	Ratio	Lower	Upper
252	100		
253	182.4	17.3	25.9#

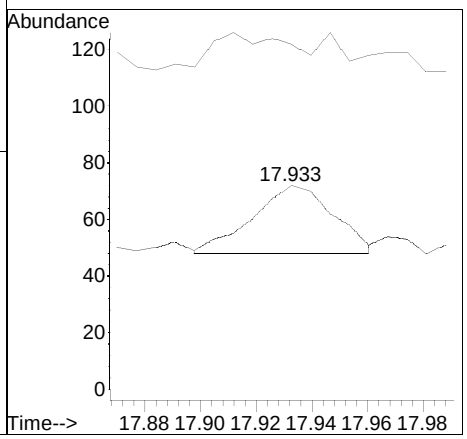


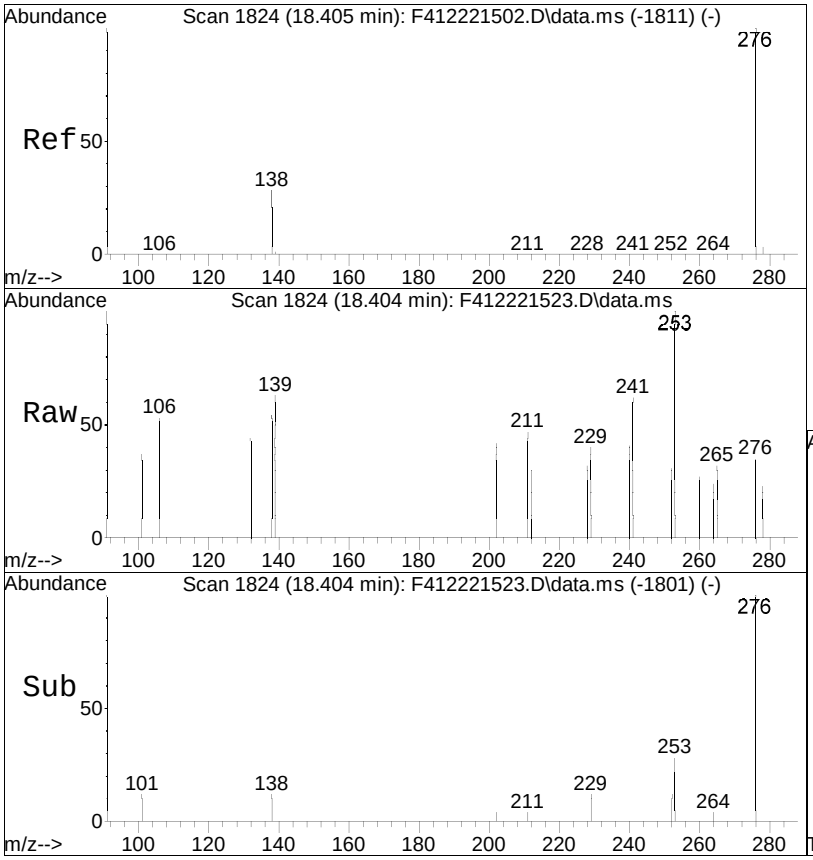


#37
Indeno[1,2,3-cd]pyrene
Concen: 6.45 ng/mL M4
RT: 17.933 min Scan# 1756
Delta R.T. -0.011 min
Lab File: F412221523.D
Acq: 23 Dec 2015 2:04 am

Tgt Ion:276 Resp: 48

Ion	Ratio	Lower	Upper
276	100		
138	169.4	20.3	30.5#

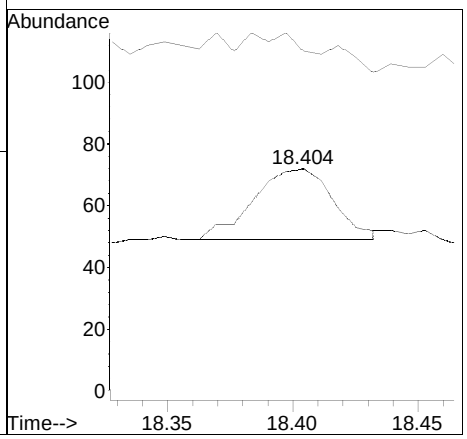




#39
Benzo[g,h,i]perylene
Concen: 5.07 ng/mL M4
RT: 18.404 min Scan# 1824
Delta R.T. -0.004 min
Lab File: F412221523.D
Acq: 23 Dec 2015 2:04 am

Tgt Ion:276 Resp: 51

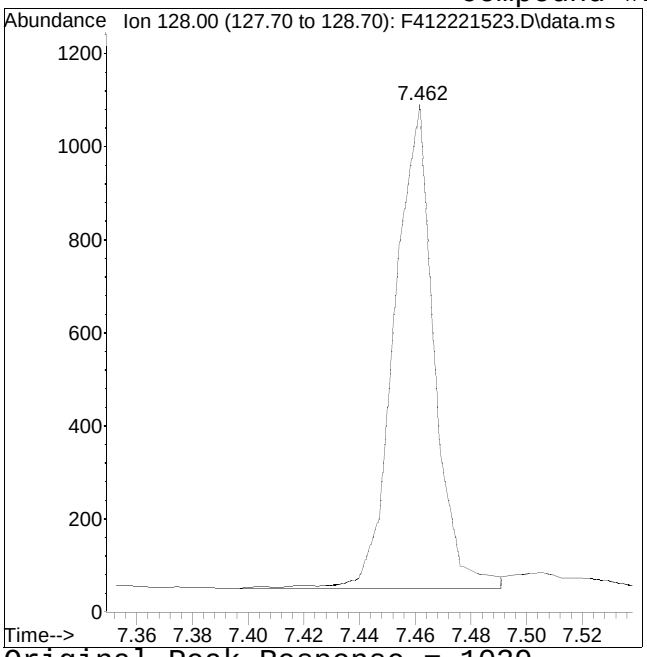
Ion	Ratio	Lower	Upper
276	100		
138	152.8	20.2	30.4#



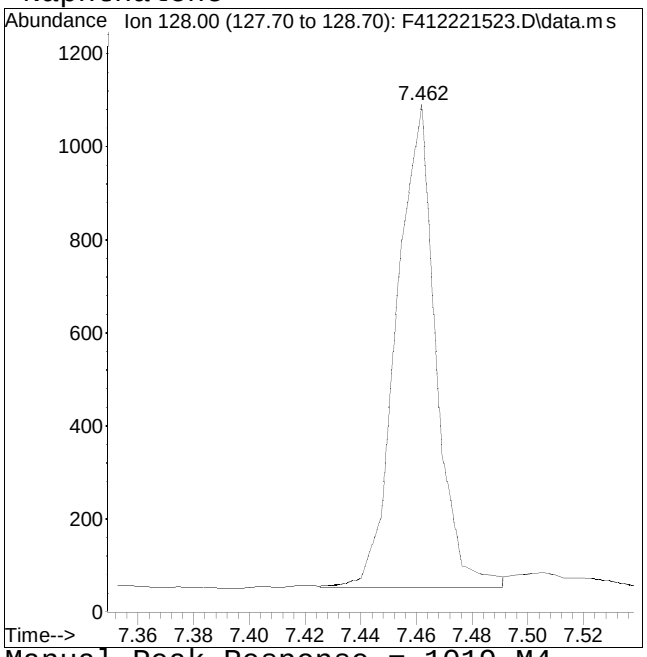
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412221523.D Operator : BNA4:SF
Date Inj'd : 12/23/2015 2:04 am Instrument : BNA4
Sample : L1533592-07 Quant Date : 12/23/2015 9:19 am

Compound #2: Naphthalene



Original Peak Response = 1039



Manual Peak Response = 1019 M4

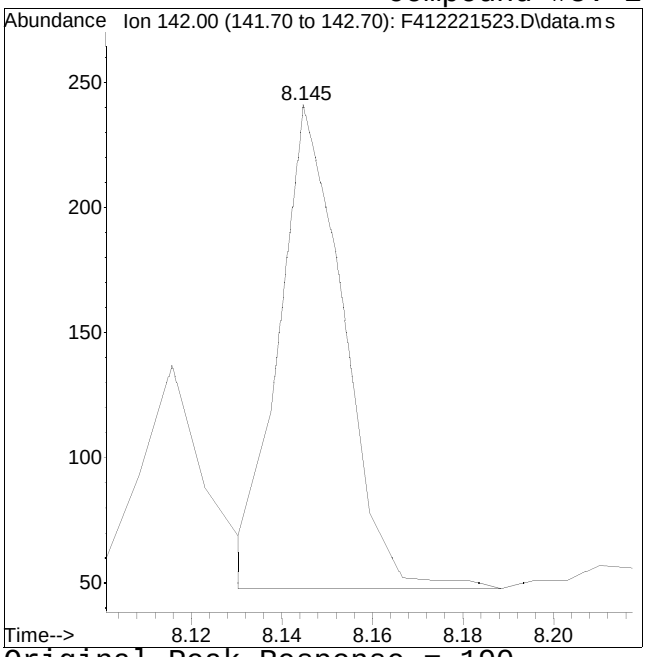
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

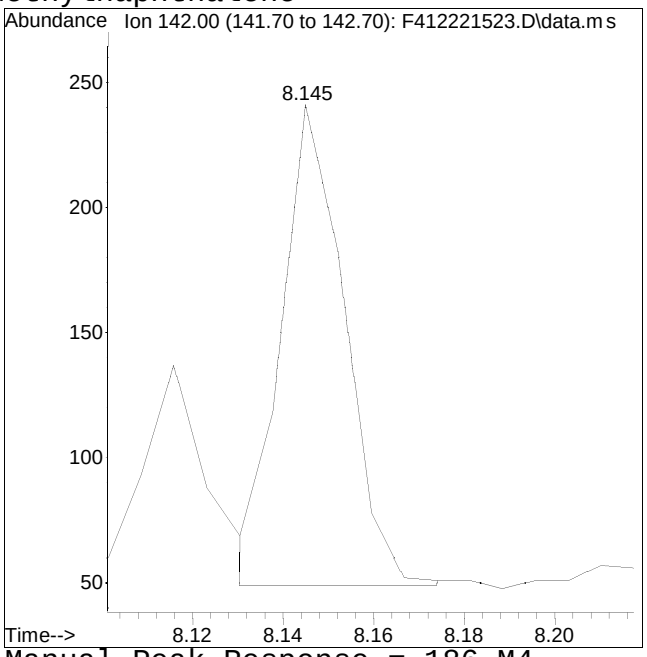
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412221523.D
Date Inj'd : 12/23/2015 2:04 am
Sample : L1533592-07

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/23/2015 9:19 am

Compound #5: 2-Methylnaphthalene



Original Peak Response = 190



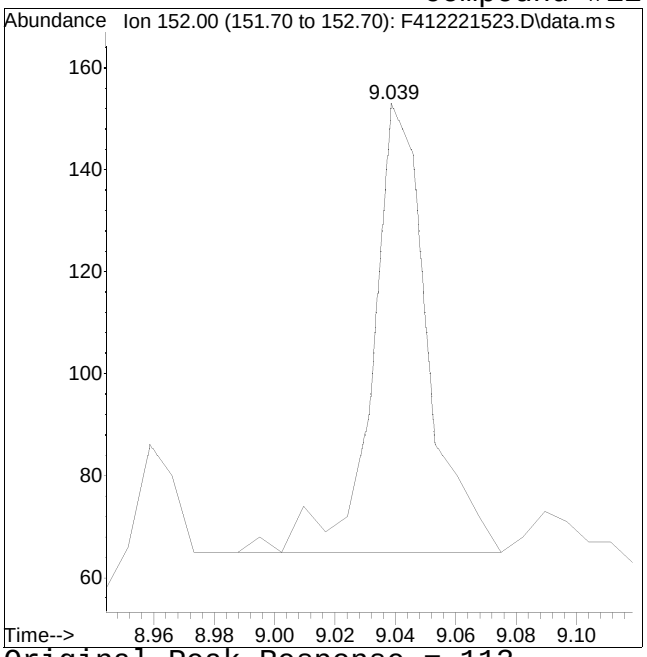
Manual Peak Response = 186 M4

M4 = Poor automated baseline construction.

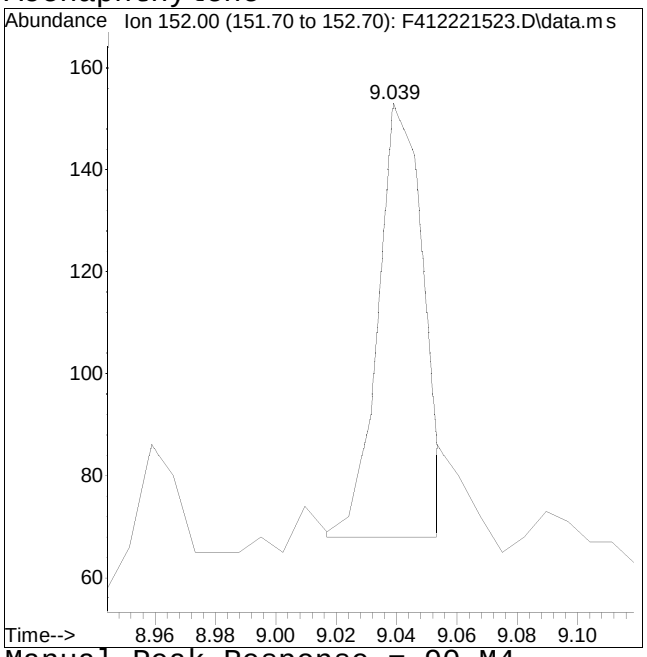
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412221523.D Operator : BNA4:SF
Date Inj'd : 12/23/2015 2:04 am Instrument : BNA4
Sample : L1533592-07 Quant Date : 12/23/2015 9:19 am

Compound #12: Acenaphthylene



Original Peak Response = 113



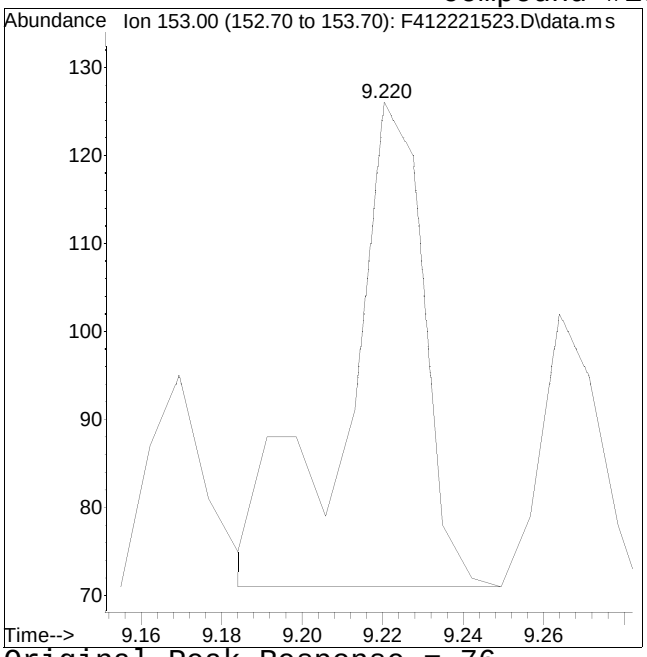
Manual Peak Response = 90 M4

M4 = Poor automated baseline construction.

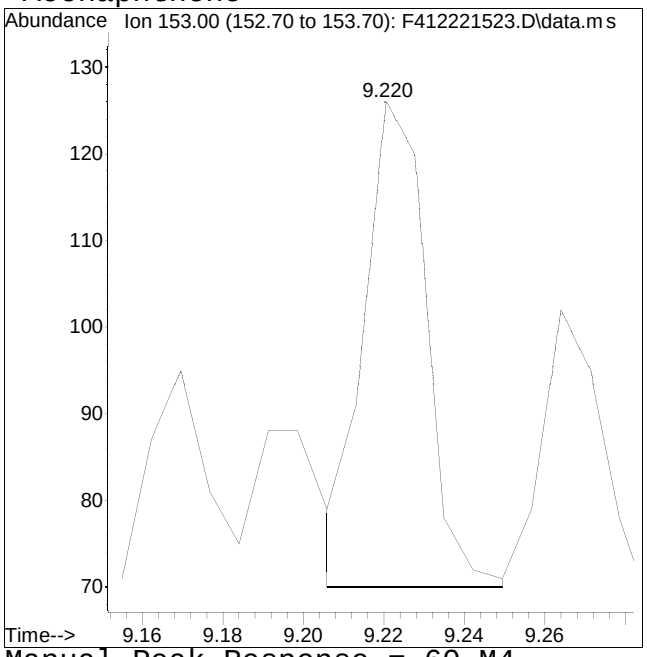
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412221523.D Operator : BNA4:SF
Date Inj'd : 12/23/2015 2:04 am Instrument : BNA4
Sample : L1533592-07 Quant Date : 12/23/2015 9:19 am

Compound #13: Acenaphthene



Original Peak Response = 76



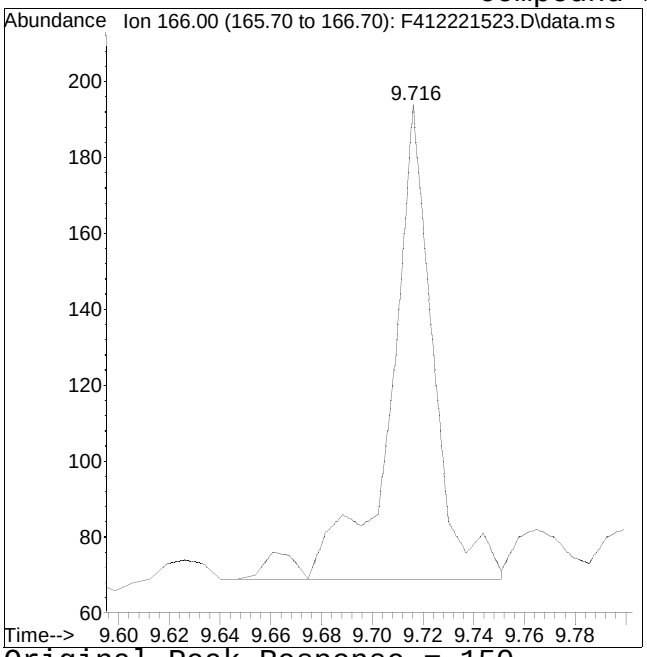
Manual Peak Response = 60 M4

M4 = Poor automated baseline construction.

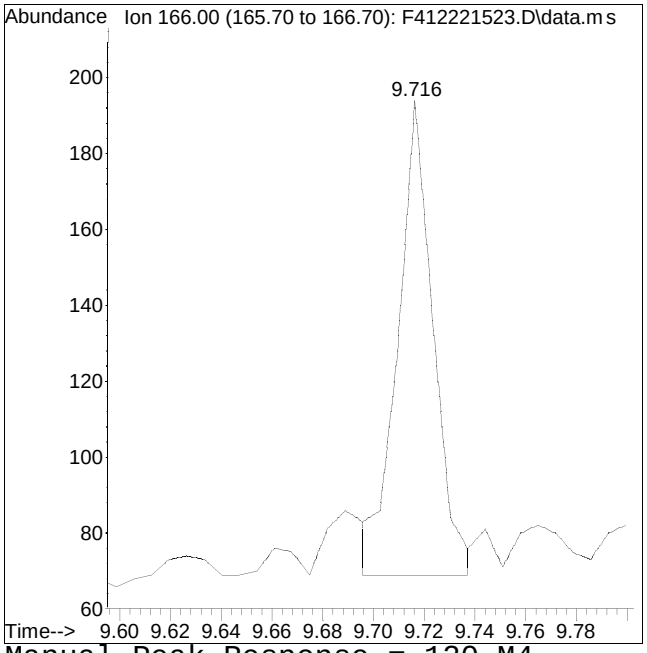
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\QMethod : PAH1217BNA4.M
Data File : F412221523.D Operator : BNA4:SF
Date Inj'd : 12/23/2015 2:04 am Instrument : BNA4
Sample : L1533592-07 Quant Date : 12/23/2015 9:19 am

Compound #15: Fluorene



Original Peak Response = 150



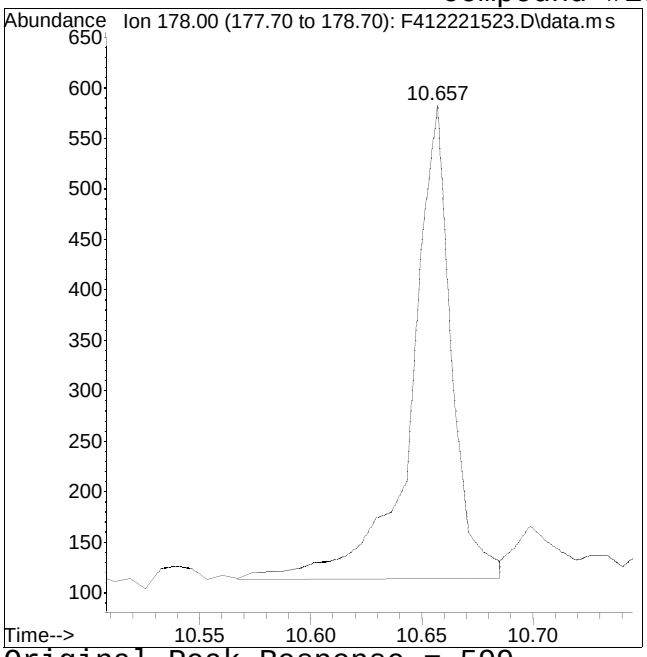
Manual Peak Response = 120 M4

M4 = Poor automated baseline construction.

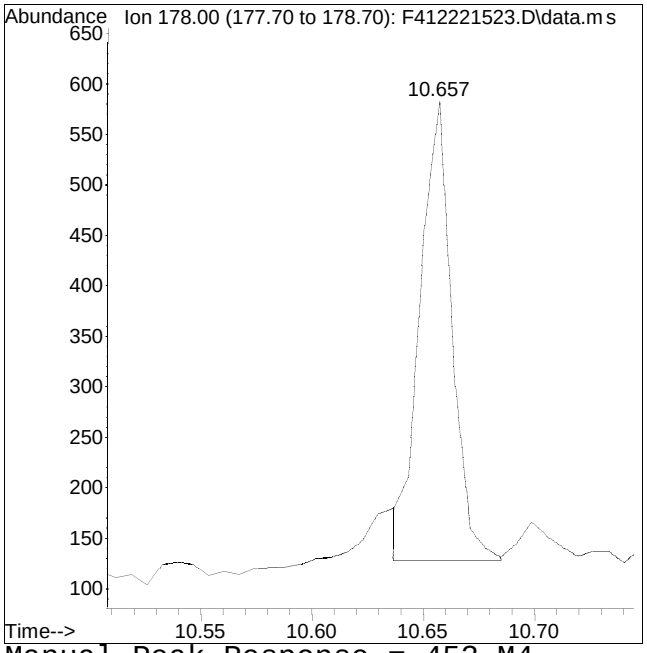
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412221523.D Operator : BNA4:SF
Date Inj'd : 12/23/2015 2:04 am Instrument : BNA4
Sample : L1533592-07 Quant Date : 12/23/2015 9:19 am

Compound #19: Phenanthrene



Original Peak Response = 599



Manual Peak Response = 453 M4

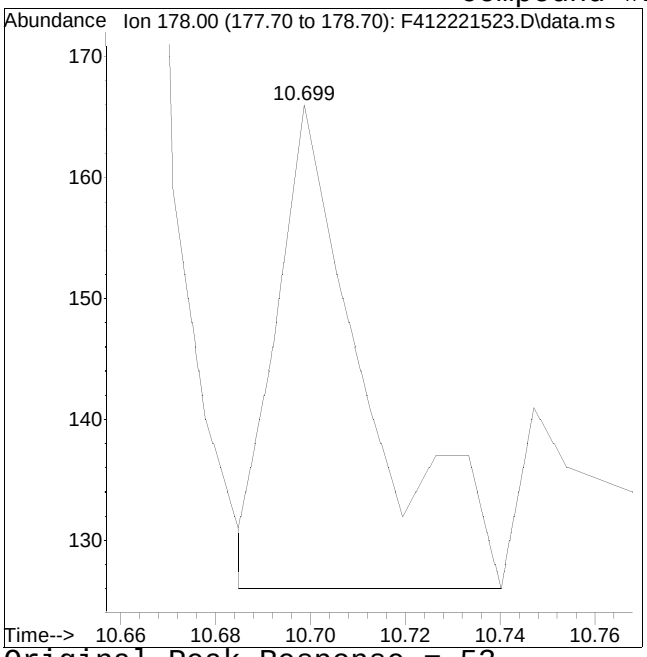
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

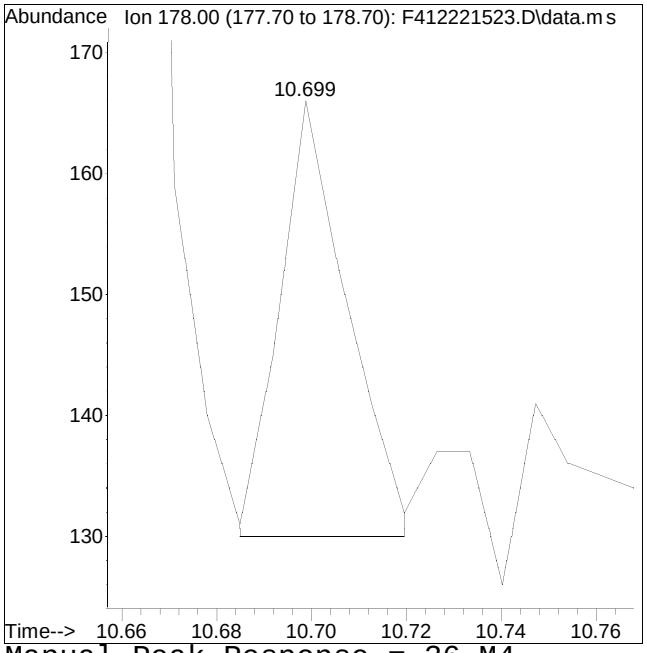
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412221523.D
Date Inj'd : 12/23/2015 2:04 am
Sample : L1533592-07

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/23/2015 9:19 am

Compound #20: Anthracene



Original Peak Response = 53



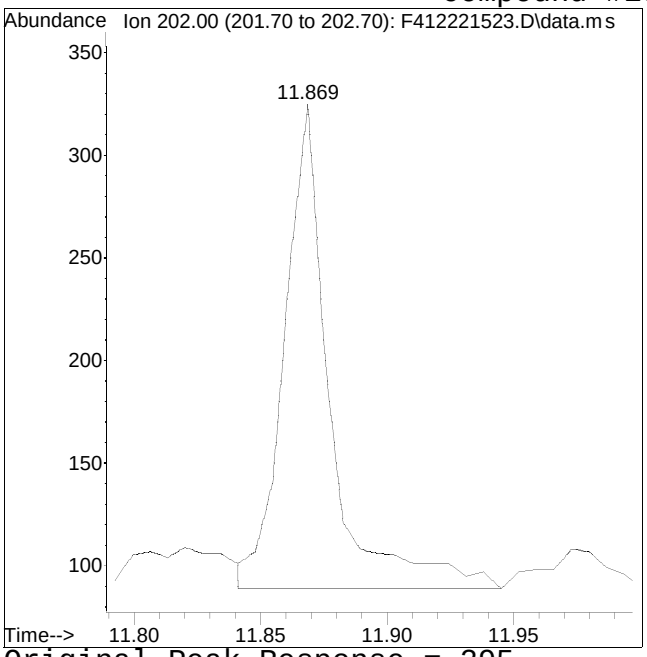
Manual Peak Response = 36 M4

M4 = Poor automated baseline construction.

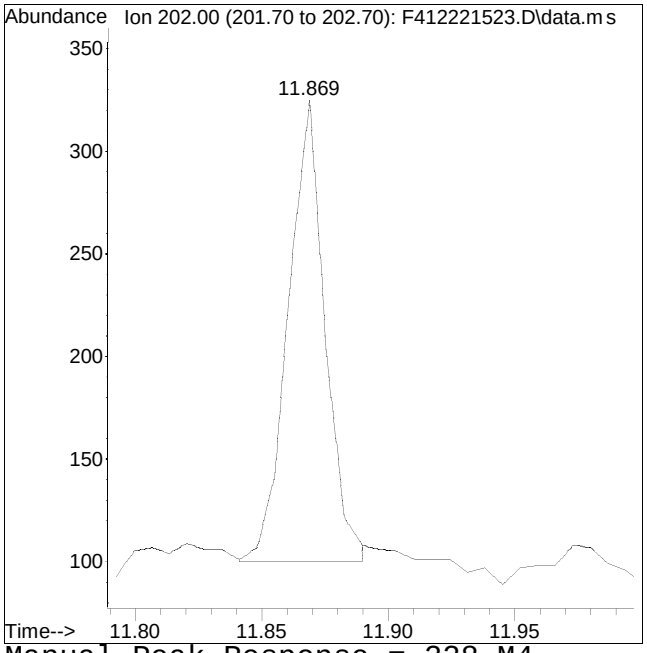
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412221523.D Operator : BNA4:SF
Date Inj'd : 12/23/2015 2:04 am Instrument : BNA4
Sample : L1533592-07 Quant Date : 12/23/2015 9:19 am

Compound #23: Fluoranthene



Original Peak Response = 295



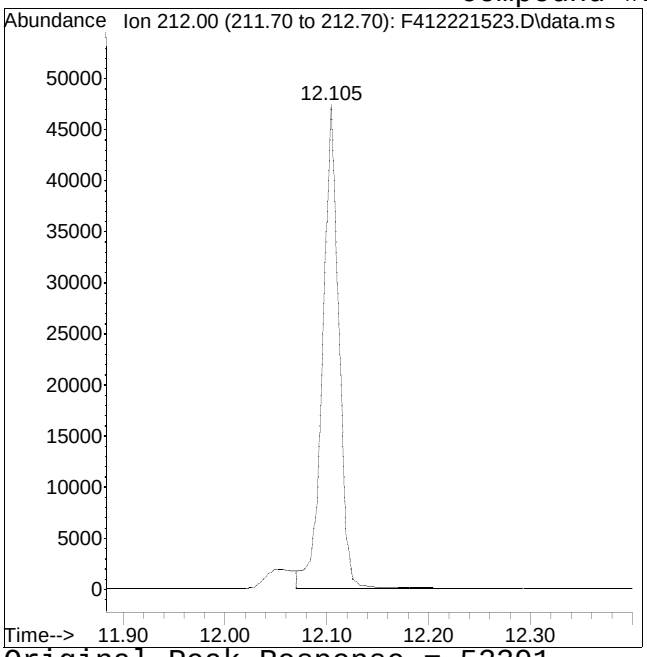
Manual Peak Response = 228 M4

M4 = Poor automated baseline construction.

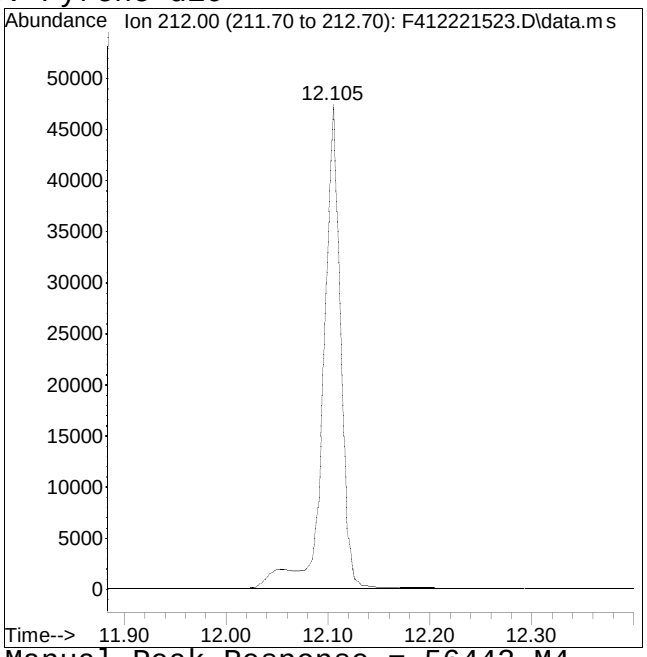
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412221523.D Operator : BNA4:SF
Date Inj'd : 12/23/2015 2:04 am Instrument : BNA4
Sample : L1533592-07 Quant Date : 12/23/2015 9:19 am

Compound #25: Pyrene-d10



Original Peak Response = 52391



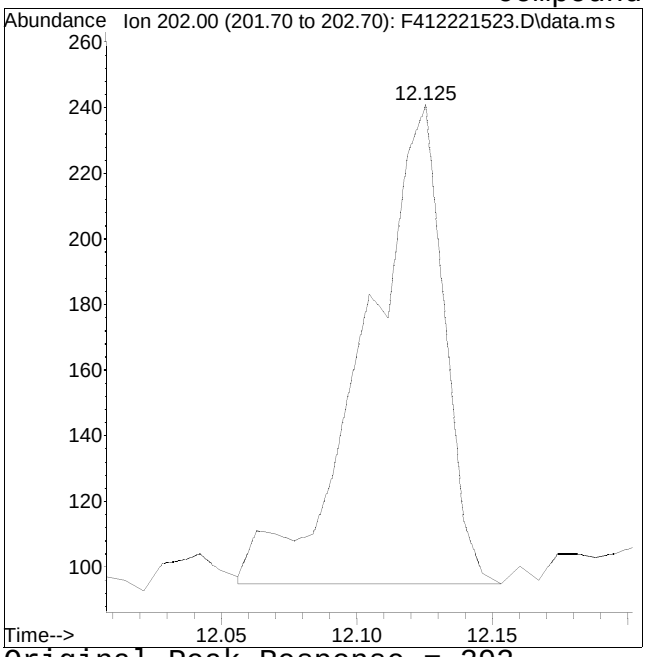
Manual Peak Response = 56442 M4

M4 = Poor automated baseline construction.

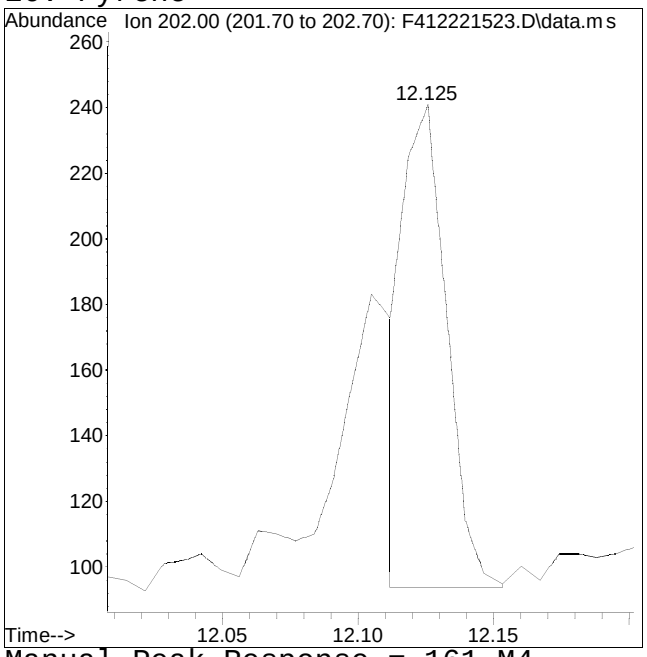
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412221523.D Operator : BNA4:SF
Date Inj'd : 12/23/2015 2:04 am Instrument : BNA4
Sample : L1533592-07 Quant Date : 12/23/2015 9:19 am

Compound #26: Pyrene



Original Peak Response = 292



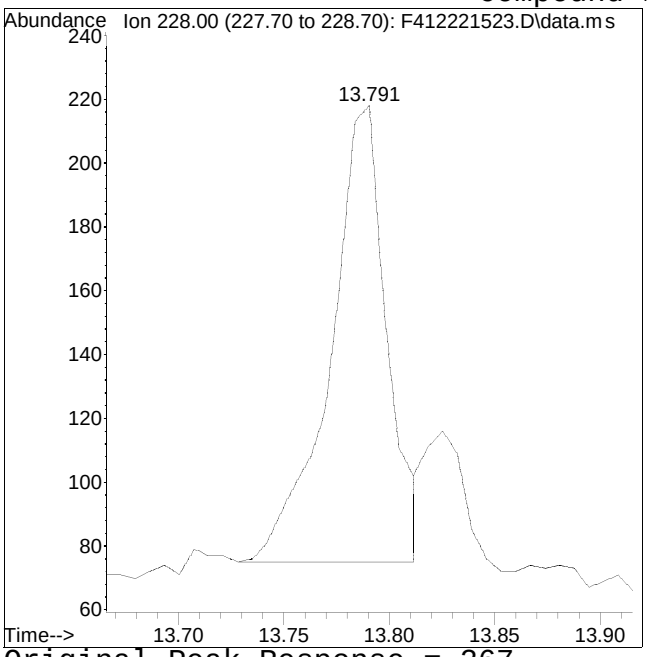
Manual Peak Response = 161 M4

M4 = Poor automated baseline construction.

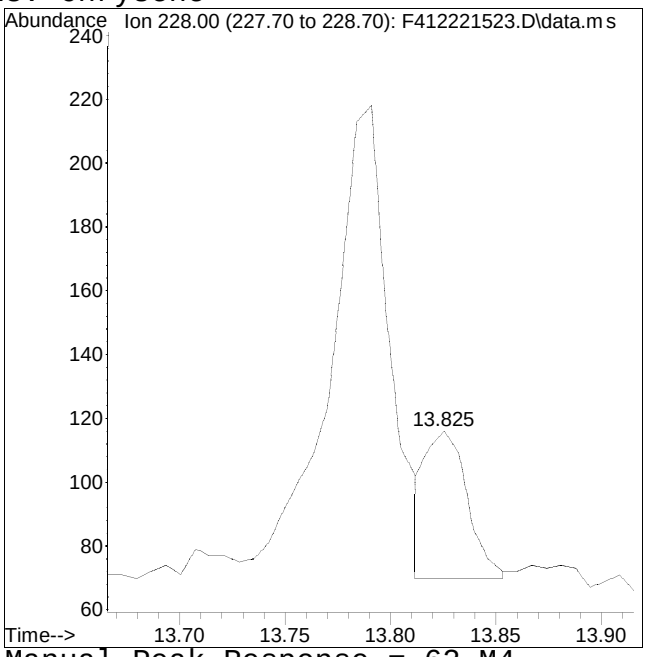
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412221523.D Operator : BNA4:SF
Date Inj'd : 12/23/2015 2:04 am Instrument : BNA4
Sample : L1533592-07 Quant Date : 12/23/2015 9:19 am

Compound #28: Chrysene



Original Peak Response = 267



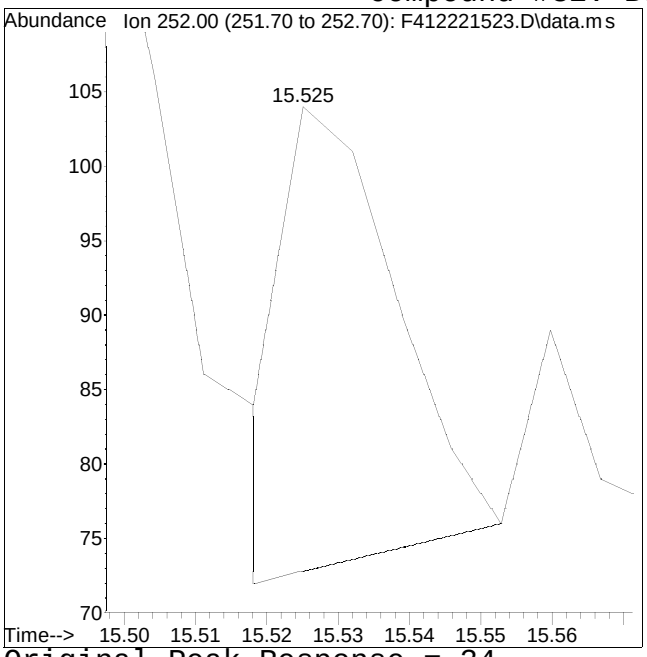
Manual Peak Response = 62 M4

M4 = Poor automated baseline construction.

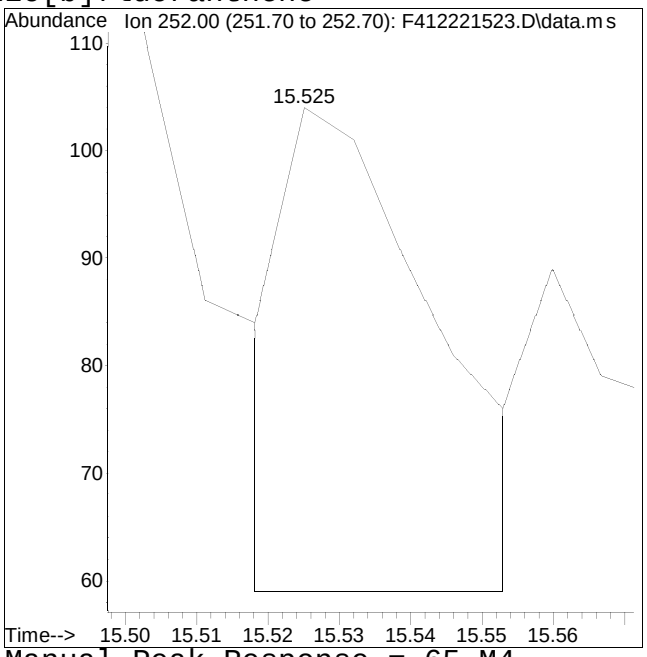
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\QMethod : PAH1217BNA4.M
Data File : F412221523.D Operator : BNA4:SF
Date Inj'd : 12/23/2015 2:04 am Instrument : BNA4
Sample : L1533592-07 Quant Date : 12/23/2015 9:19 am

Compound #32: Benzo[b]fluoranthene



Original Peak Response = 34



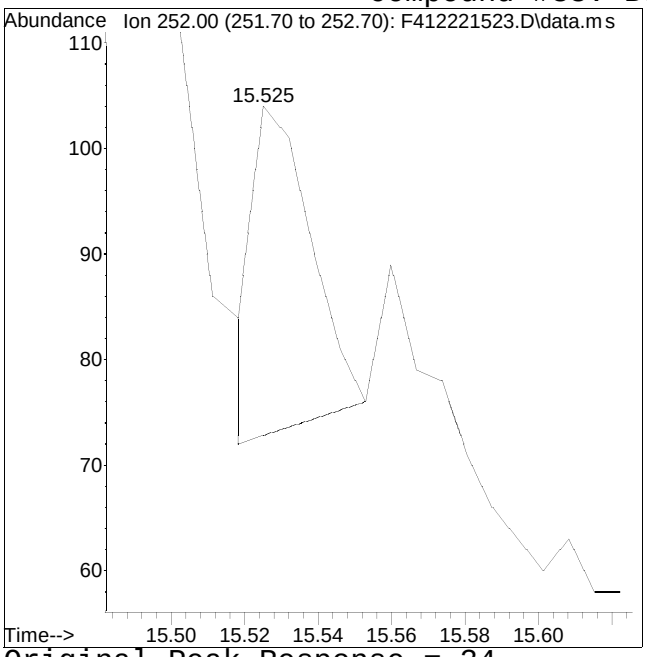
Manual Peak Response = 65 M4

M4 = Poor automated baseline construction.

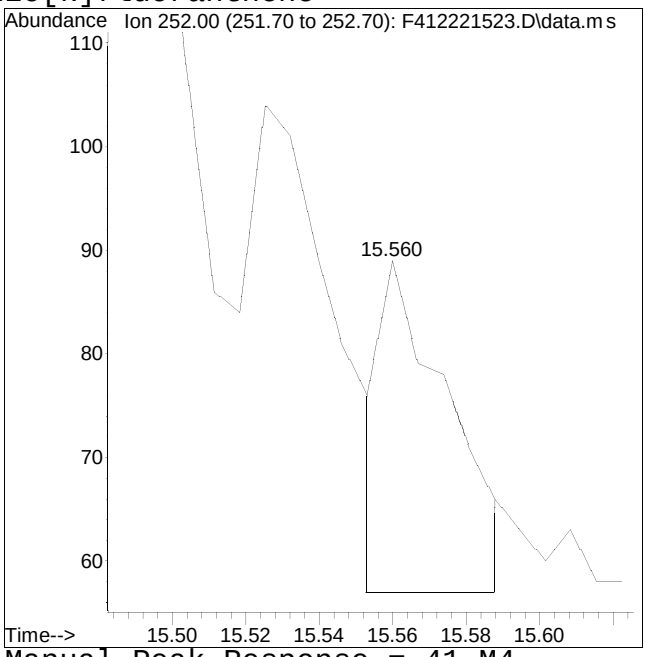
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412221523.D Operator : BNA4:SF
Date Inj'd : 12/23/2015 2:04 am Instrument : BNA4
Sample : L1533592-07 Quant Date : 12/23/2015 9:19 am

Compound #33: Benzo[k]fluoranthene



Original Peak Response = 34



Manual Peak Response = 41 M4

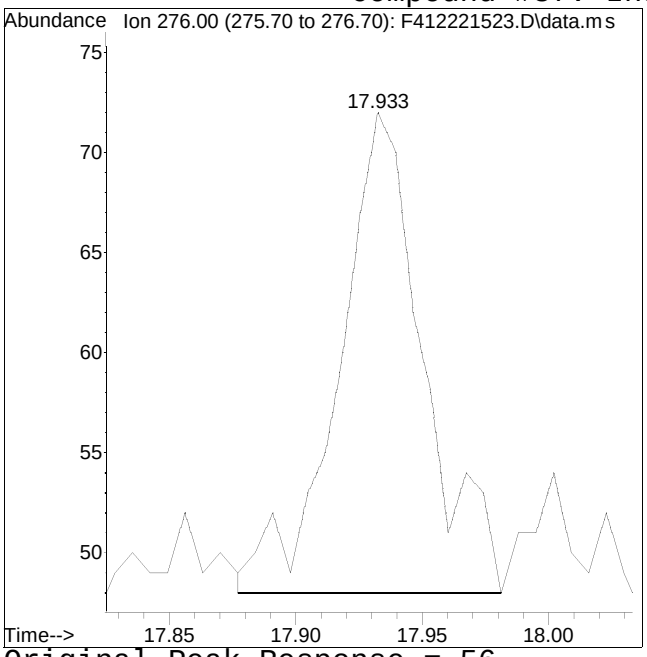
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

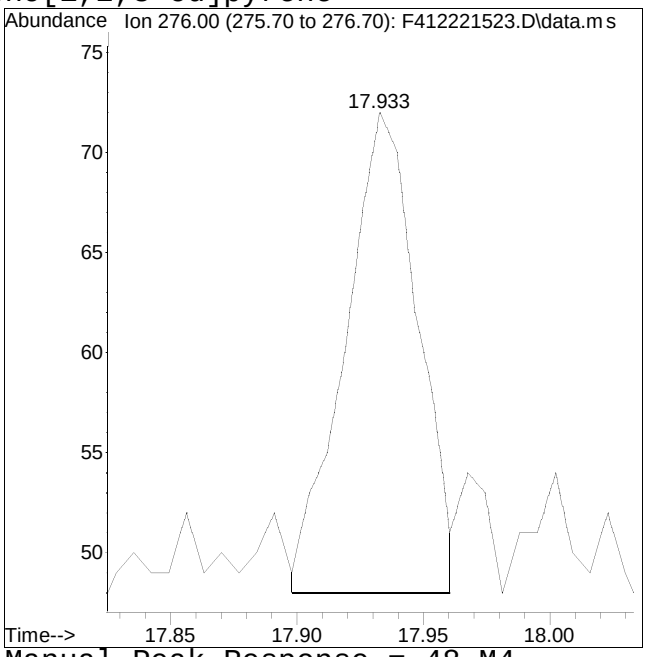
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412221523.D
Date Inj'd : 12/23/2015 2:04 am
Sample : L1533592-07

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/23/2015 9:19 am

Compound #37: Indeno[1,2,3-cd]pyrene



Original Peak Response = 56



Manual Peak Response = 48 M4

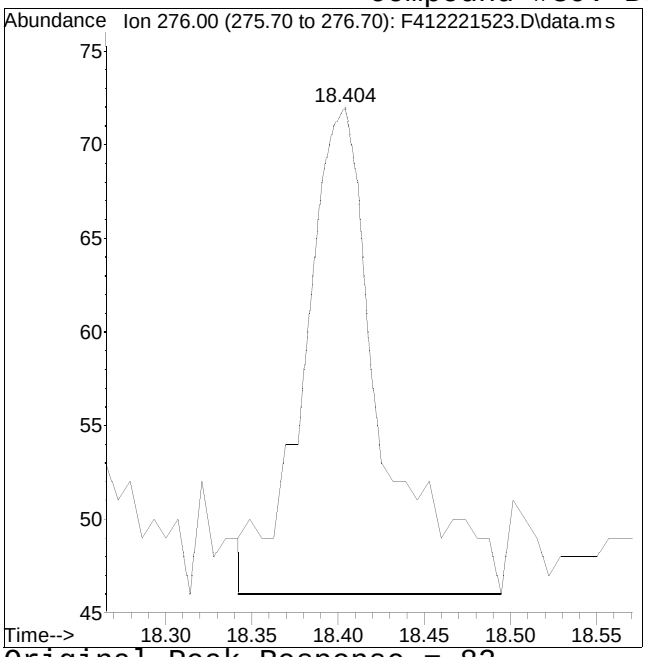
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

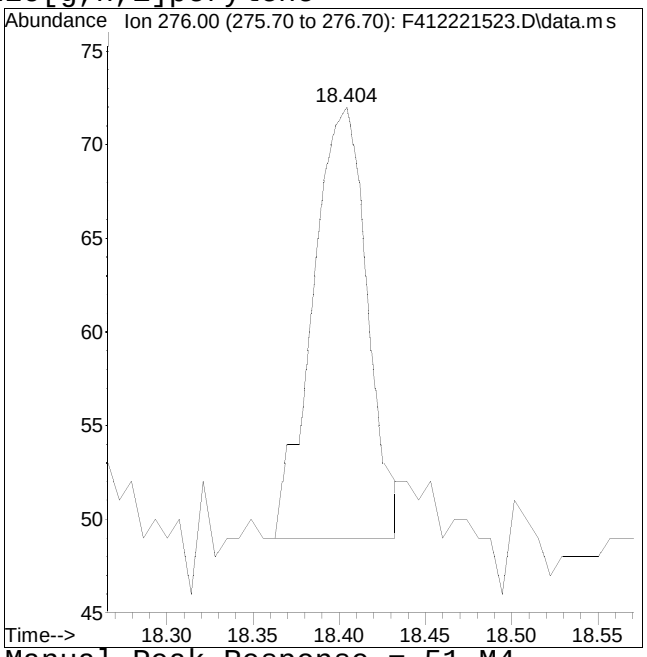
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412221523.D
Date Inj'd : 12/23/2015 2:04 am
Sample : L1533592-07

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/23/2015 9:19 am

Compound #39: Benzo[g,h,i]perylene



Original Peak Response = 82



Manual Peak Response = 51 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221524.D
Acq On : 23 Dec 2015 2:34 am
Operator : BNA4:SF
Sample : L1533592-09
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 12 12:52:55 2016
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.440	136	88748	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.191	164	42845	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.637	188	84685	500.000	ng/mL	0.00
24) Chrysene-d12	13.784	240	67757M4	500.000	ng/mL	-0.01
29) Perylene-d12	16.163	264	57301	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.116	152	33256	346.117	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 6.92%#			
25) Pyrene-d10	12.105	212	52292	397.712	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 7.95%#			
31) Benzo[b]fluoranthene-d12	15.491	264	36319M4	387.176	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 7.74%#			
Target Compounds						Qvalue
2) Naphthalene	7.462	128	855M4	4.570	ng/mL	
5) 2-Methylnaphthalene	8.145	142	146M4	1.244	ng/mL	
12) Acenaphthylene	9.039	152	98	0.574	ng/mL#	1
13) Acenaphthene	9.220	153	63M4	0.542	ng/mL	
15) Fluorene	9.716	166	108M4	0.862	ng/mL	
19) Phenanthrene	10.657	178	394M4	2.114	ng/mL	
20) Anthracene	10.699	178	22	N.D.		
23) Fluoranthene	11.869	202	199M4	1.075	ng/mL	
26) Pyrene	12.119	202	134M4	0.662	ng/mL	
27) Benz[a]anthracene	0.000		0	N.D.	d	
28) Chrysene	13.818	228	43	N.D.		
32) Benzo[b]fluoranthene	15.525	252	60M4	7.282	ng/mL	
33) Benzo[k]fluoranthene	15.567	252	37M4	2.882	ng/mL	
35) Benzo[a]pyrene	16.066	252	40M4	6.005	ng/mL	
37) Indeno[1,2,3-cd]pyrene	17.926	276	31M4	6.340	ng/mL	
38) Dibenz[a,h]anthracene	0.000		0	N.D.	d	
39) Benzo[g,h,i]perylene	18.398	276	41M4	5.016	ng/mL	

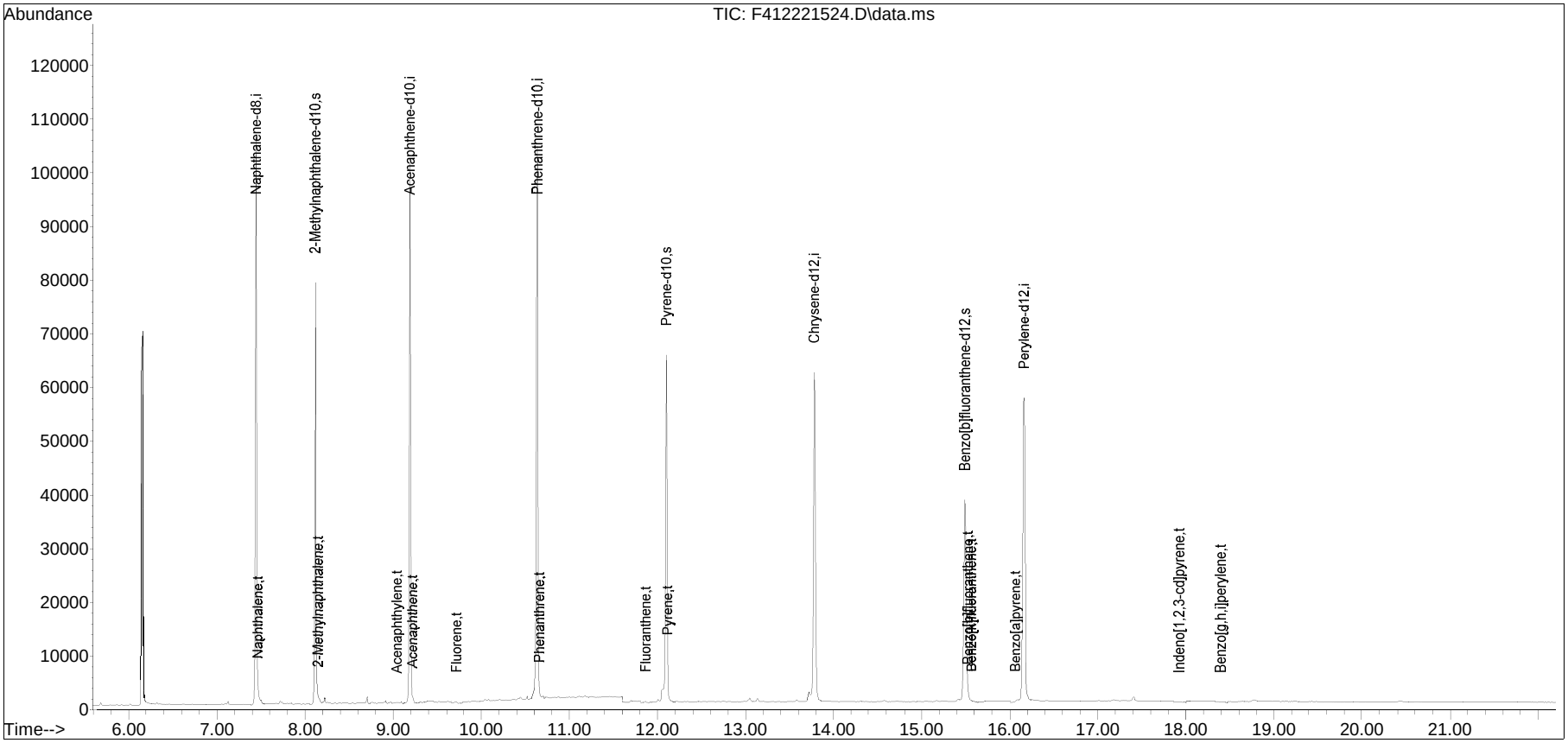
(#) = qualifier out of range (m) = manual integration (+) = signals summed

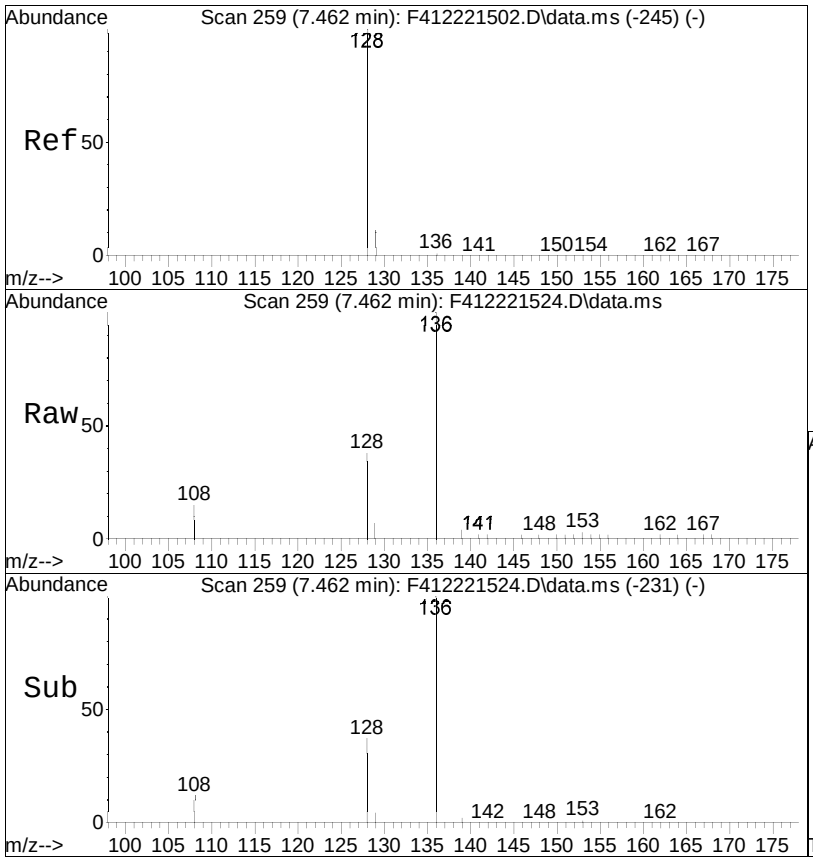
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221524.D
Acq On : 23 Dec 2015 2:34 am
Operator : BNA4:SF
Sample : L1533592-09
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 12 12:52:55 2016
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

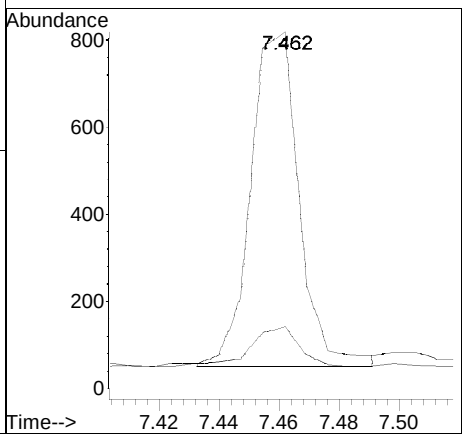


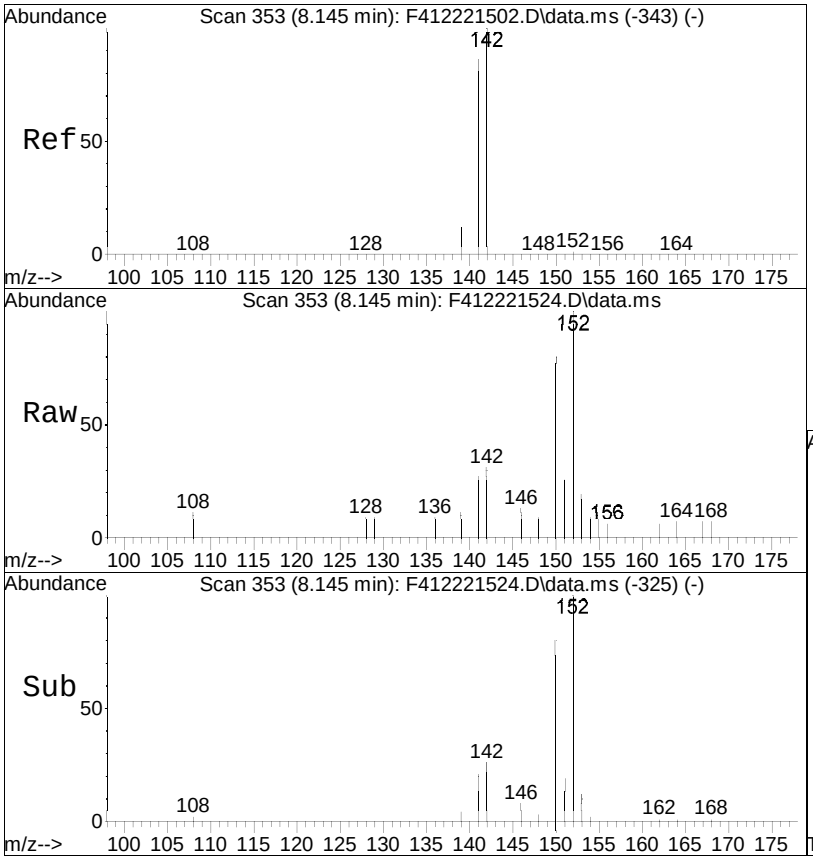


#2
Naphthalene
Concen: 4.57 ng/mL M4
RT: 7.462 min Scan# 259
Delta R.T. 0.000 min
Lab File: F412221524.D
Acq: 23 Dec 2015 2:34 am

Tgt Ion:128 Resp: 855

Ion	Ratio	Lower	Upper
128	100		
129	17.5	8.7	13.1#

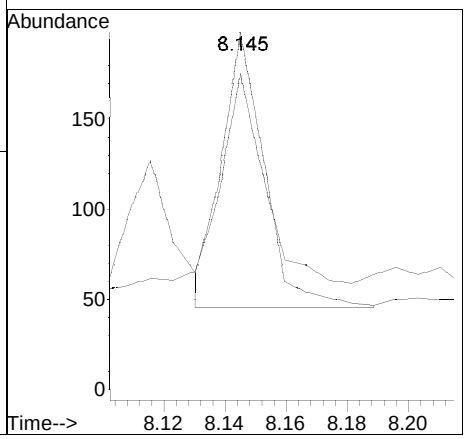


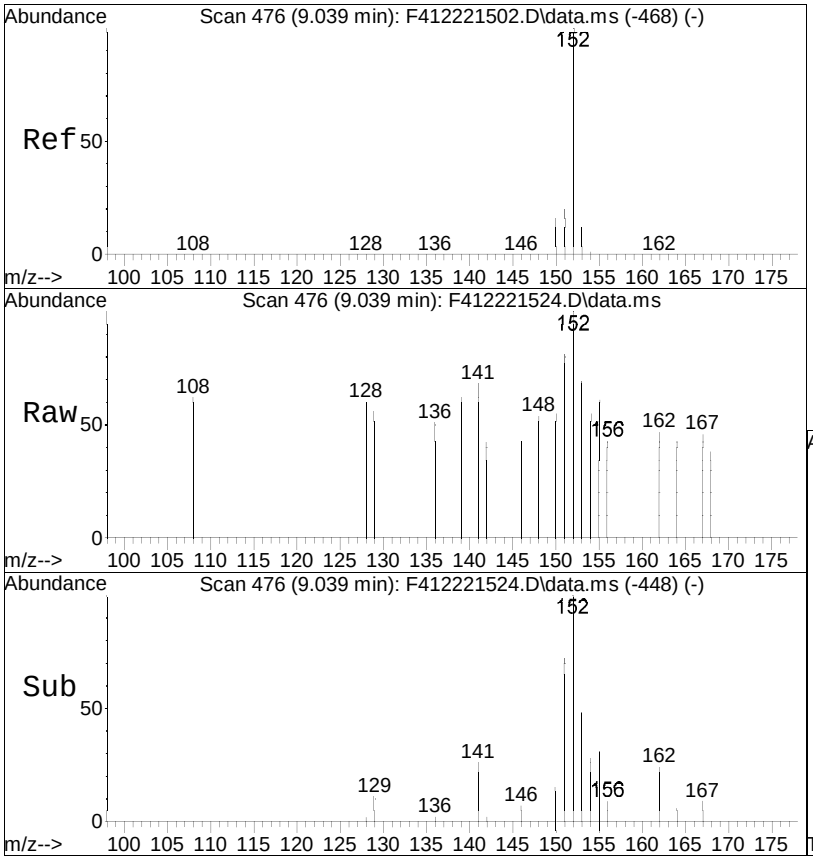


#5
2-Methylnaphthalene
Concen: 1.24 ng/mL M4
RT: 8.145 min Scan# 353
Delta R.T. 0.000 min
Lab File: F412221524.D
Acq: 23 Dec 2015 2:34 am

Tgt Ion:142 Resp: 146

Ion	Ratio	Lower	Upper
142	100		
141	88.4	68.8	103.2

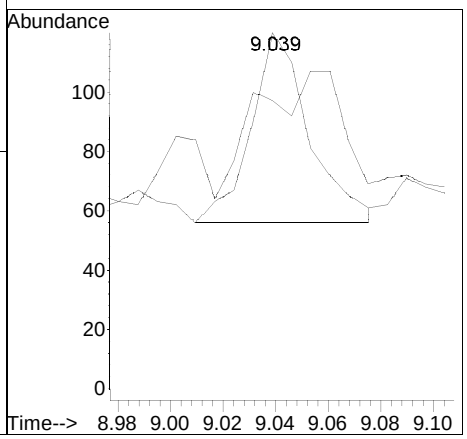


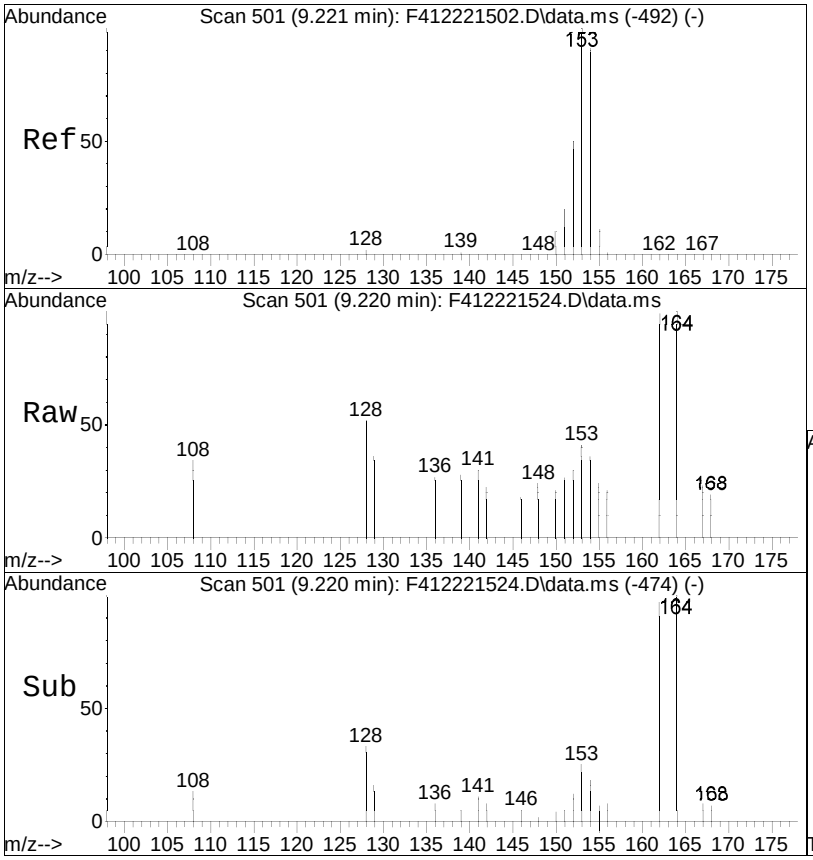


#12
Acenaphthylene
Concen: 0.57 ng/mL
RT: 9.039 min Scan# 476
Delta R.T. 0.000 min
Lab File: F412221524.D
Acq: 23 Dec 2015 2:34 am

Tgt Ion:152 Resp: 98

Ion	Ratio	Lower	Upper
152	100		
151	80.8	15.4	23.0#

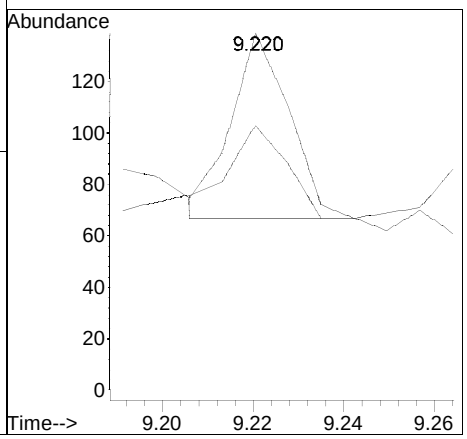


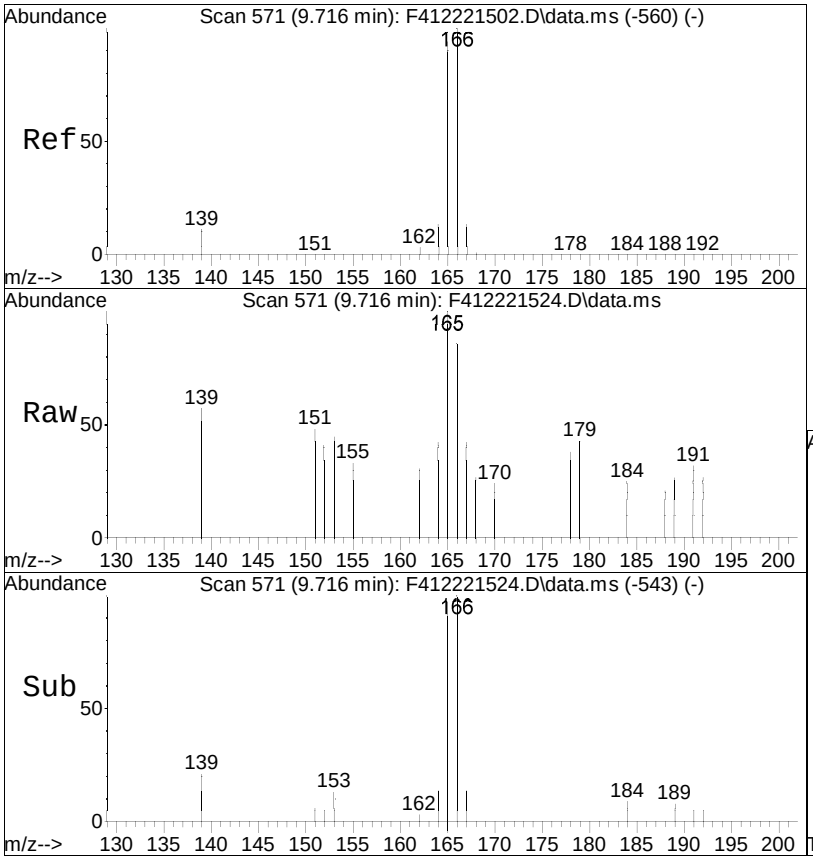


#13
Acenaphthene
Concen: 0.54 ng/mL M4
RT: 9.220 min Scan# 501
Delta R.T. 0.000 min
Lab File: F412221524.D
Acq: 23 Dec 2015 2:34 am

Tgt Ion:153 Resp: 63

Ion	Ratio	Lower	Upper
153	100		
152	74.1	37.8	56.8#

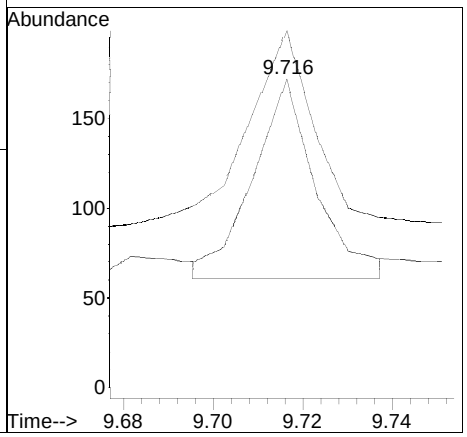


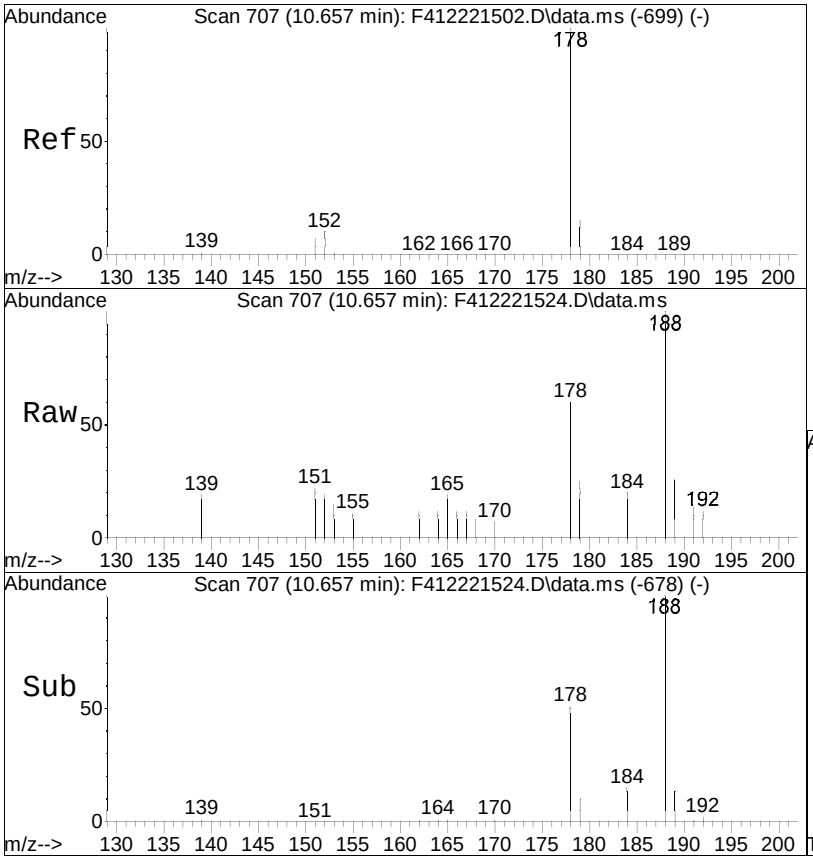


#15
Fluorene
Concen: 0.86 ng/mL M4
RT: 9.716 min Scan# 571
Delta R.T. -0.005 min
Lab File: F412221524.D
Acq: 23 Dec 2015 2:34 am

Tgt Ion:166 Resp: 108

Ion	Ratio	Lower	Upper
166	100		
165	115.7	73.2	109.8#

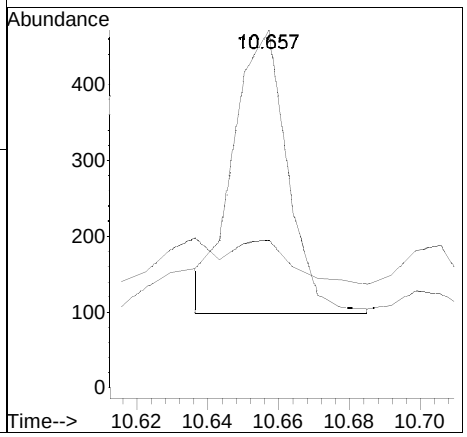


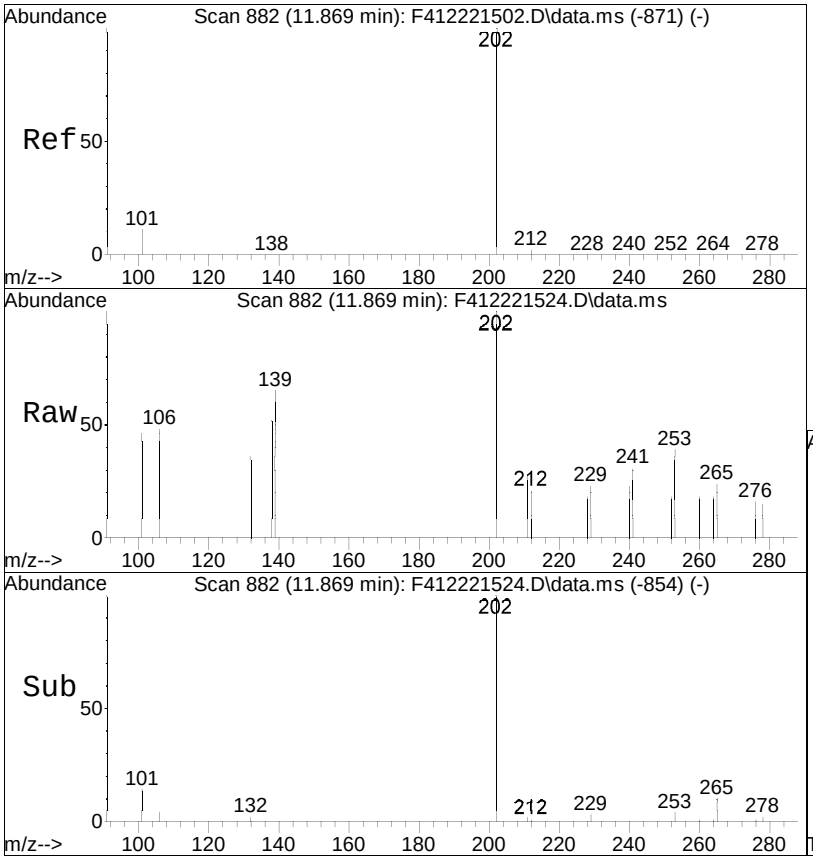


#19
Phenanthrene
Concen: 2.11 ng/mL M4
RT: 10.657 min Scan# 707
Delta R.T. 0.002 min
Lab File: F412221524.D
Acq: 23 Dec 2015 2:34 am

Tgt Ion:178 Resp: 394

Ion	Ratio	Lower	Upper
178	100		
179	41.4	11.9	17.9#

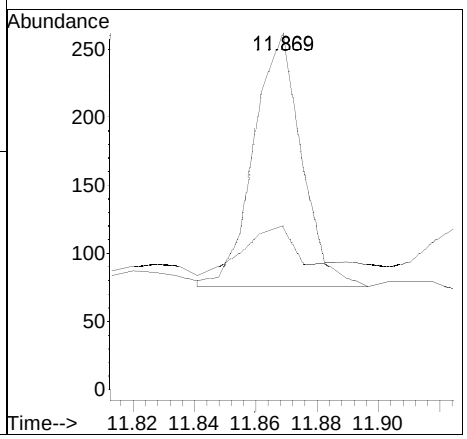


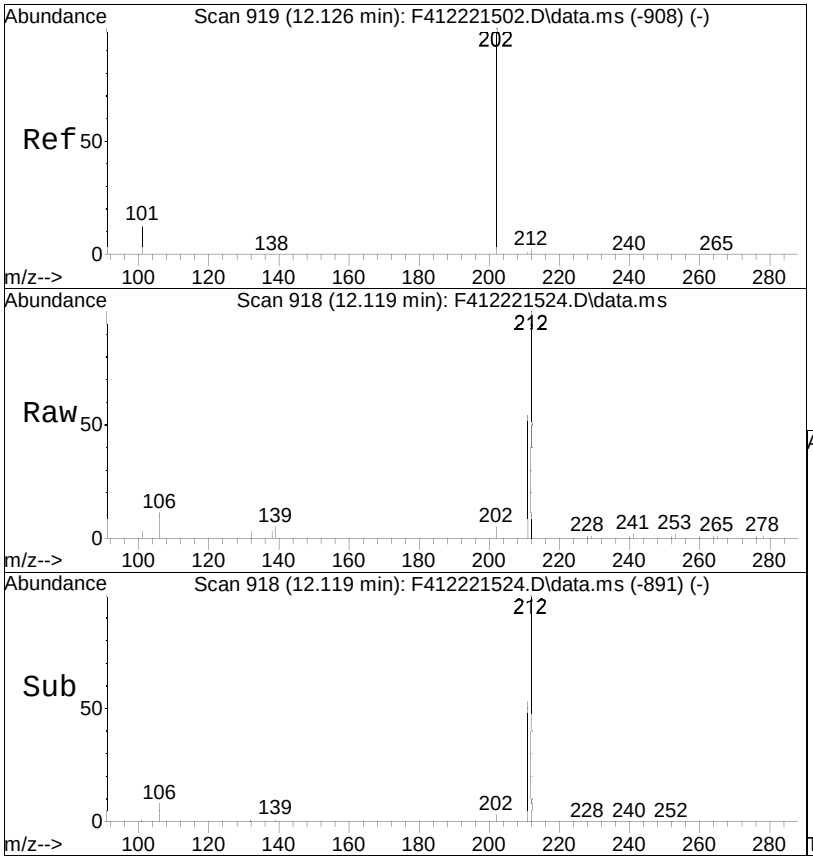


#23
Fluoranthene
Concen: 1.07 ng/mL M4
RT: 11.869 min Scan# 882
Delta R.T. -0.004 min
Lab File: F412221524.D
Acq: 23 Dec 2015 2:34 am

Tgt Ion:202 Resp: 199

Ion	Ratio	Lower	Upper
202	100		
101	45.8	8.3	12.5#

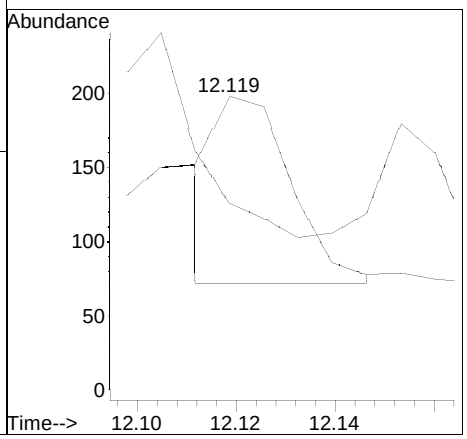


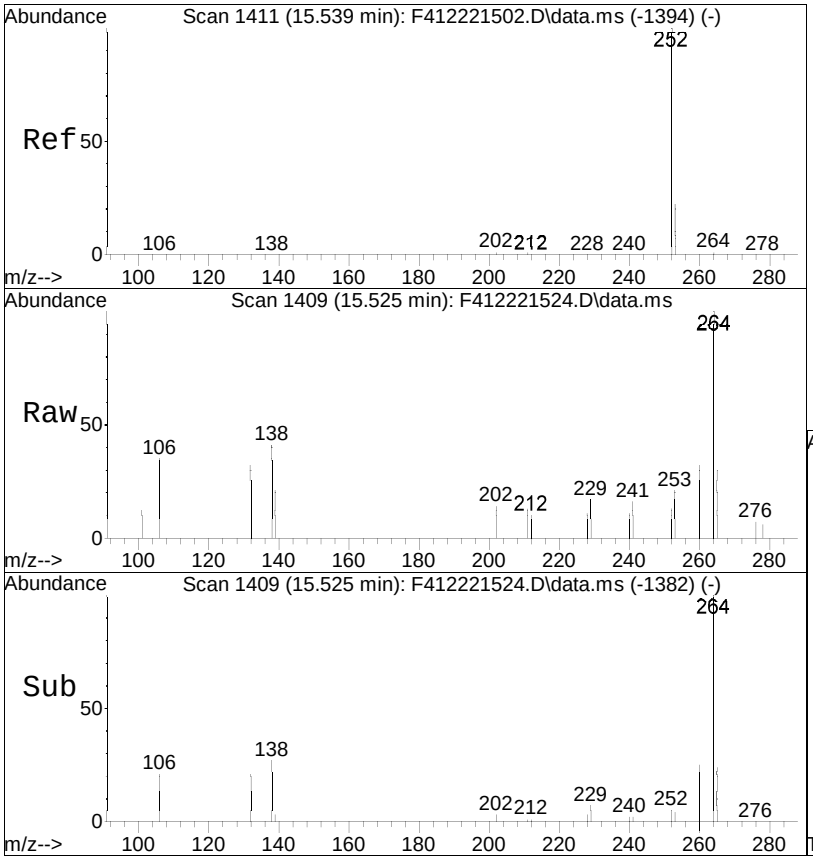


#26
Pyrene
Concen: 0.66 ng/mL M4
RT: 12.119 min Scan# 918
Delta R.T. -0.011 min
Lab File: F412221524.D
Acq: 23 Dec 2015 2:34 am

Tgt Ion:202 Resp: 134

Ion	Ratio	Lower	Upper
202	100		
101	63.6	10.1	15.1#

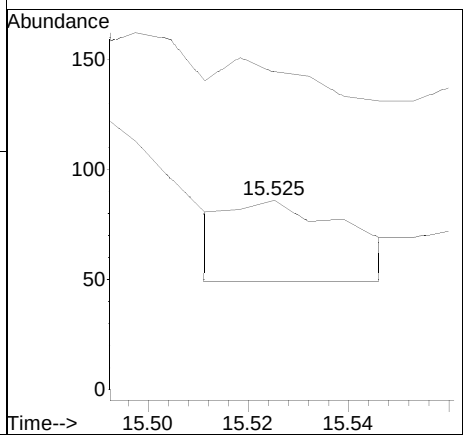


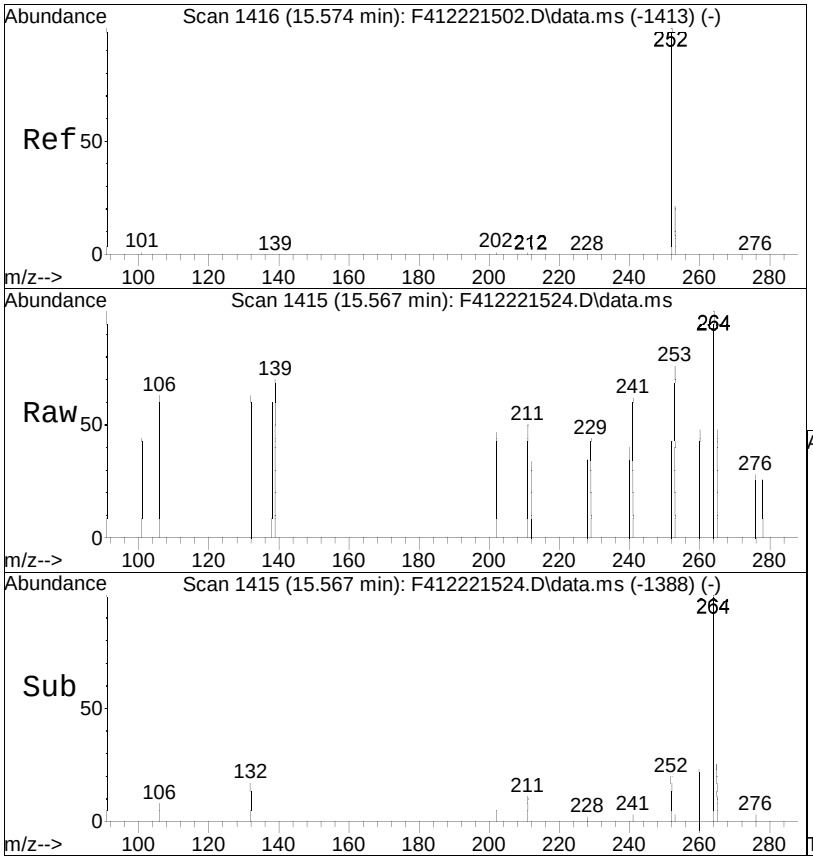


#32
Benzo[b]fluoranthene
Concen: 7.28 ng/mL M4
RT: 15.525 min Scan# 1409
Delta R.T. -0.011 min
Lab File: F412221524.D
Acq: 23 Dec 2015 2:34 am

Tgt Ion:252 Resp: 60

Ion	Ratio	Lower	Upper
252	100		
253	167.4	17.1	25.7#

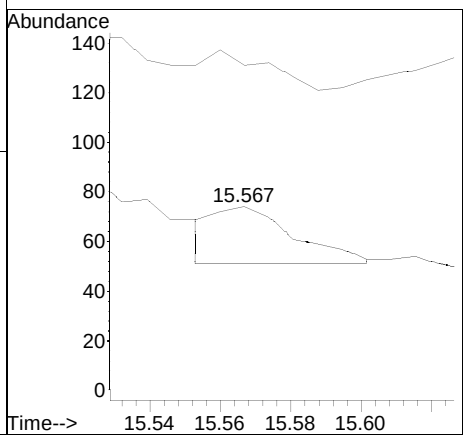


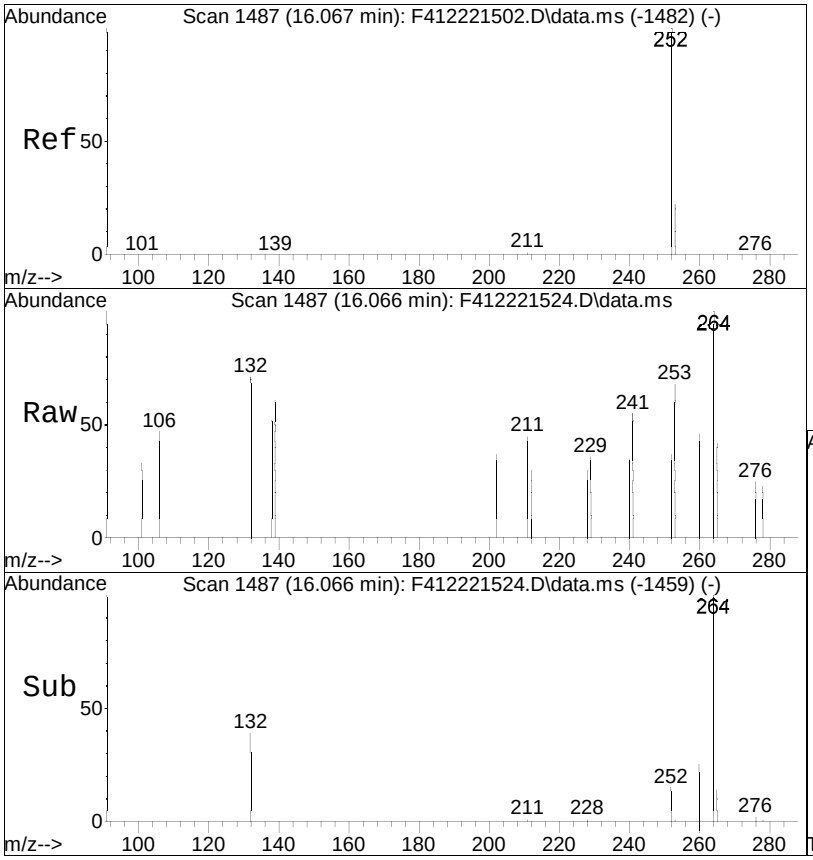


#33
Benzo[k]fluoranthene
Concen: 2.88 ng/mL M4
RT: 15.567 min Scan# 1415
Delta R.T. -0.011 min
Lab File: F412221524.D
Acq: 23 Dec 2015 2:34 am

Tgt Ion:252 Resp: 37

Ion	Ratio	Lower	Upper
252	100		
253	177.0	17.2	25.8#

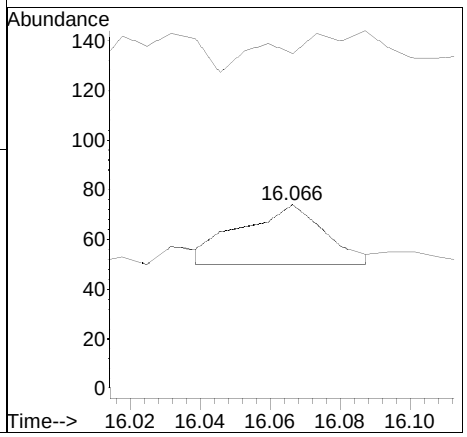


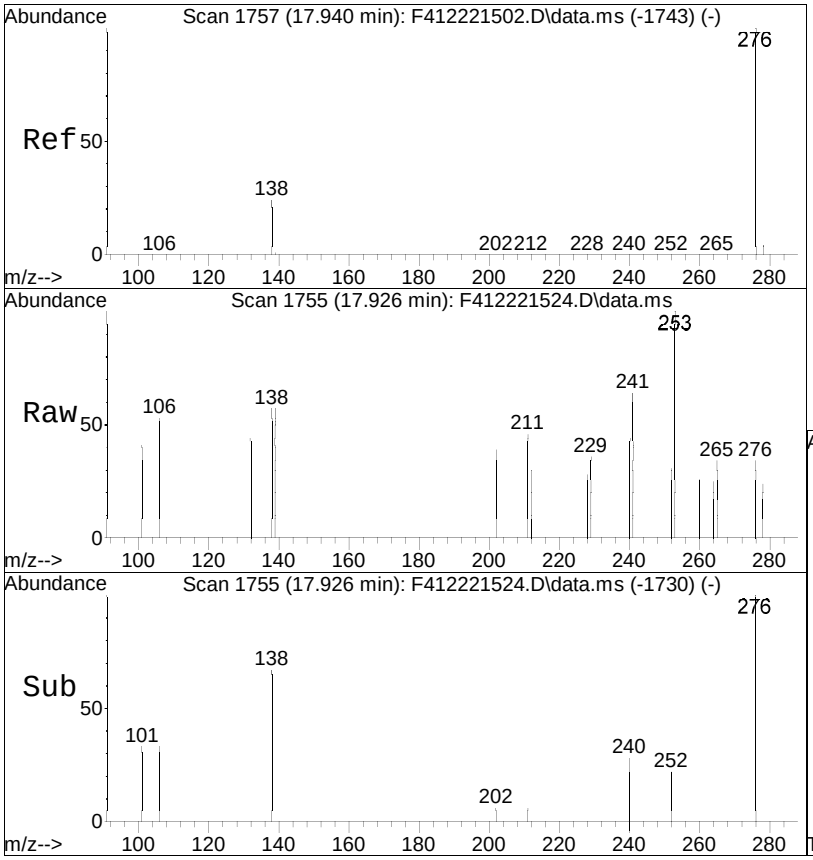


#35
Benzo[a]pyrene
Concen: 6.01 ng/mL M4
RT: 16.066 min Scan# 1487
Delta R.T. -0.004 min
Lab File: F412221524.D
Acq: 23 Dec 2015 2:34 am

Tgt Ion:252 Resp: 40

Ion	Ratio	Lower	Upper
252	100		
253	182.4	17.3	25.9#

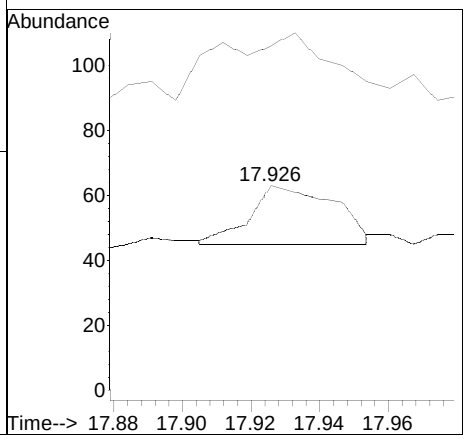


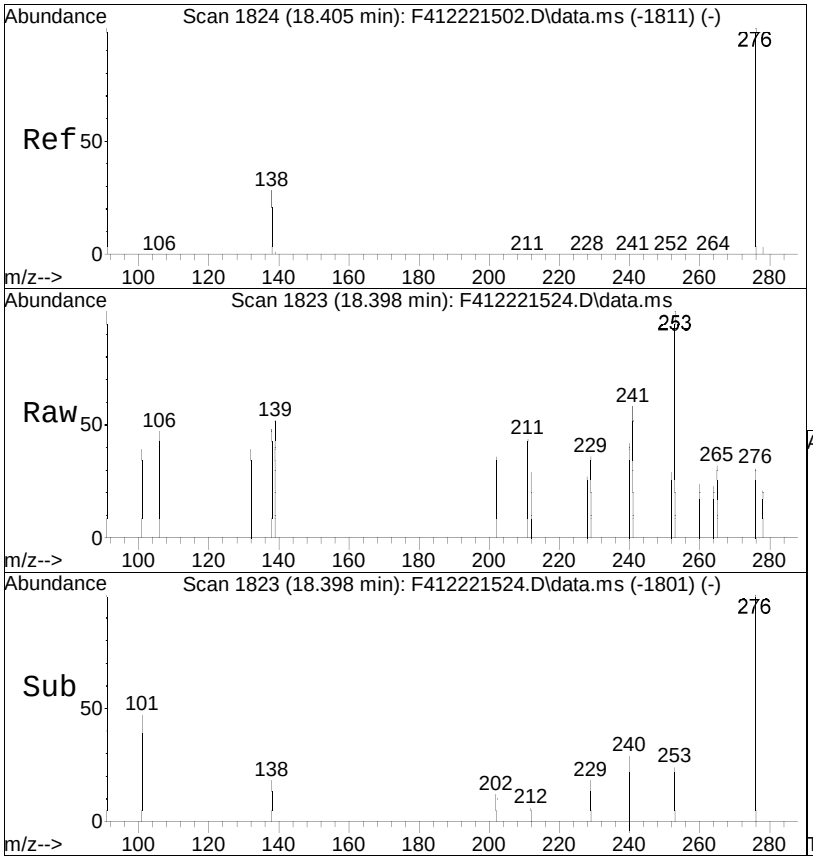


#37
Indeno[1,2,3-cd]pyrene
Concen: 6.34 ng/mL M4
RT: 17.926 min Scan# 1755
Delta R.T. -0.018 min
Lab File: F412221524.D
Acq: 23 Dec 2015 2:34 am

Tgt Ion:276 Resp: 31

Ion	Ratio	Lower	Upper
276	100		
138	168.3	20.3	30.5#

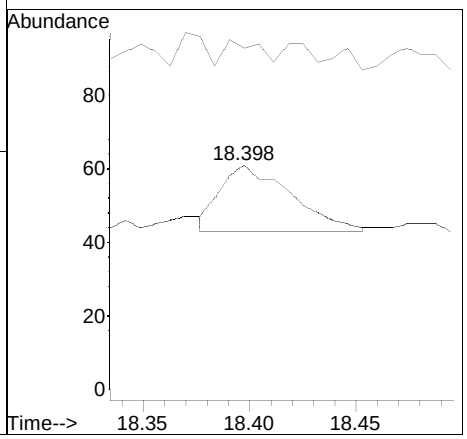




#39
Benzo[g,h,i]perylene
Concen: 5.02 ng/mL M4
RT: 18.398 min Scan# 1823
Delta R.T. -0.011 min
Lab File: F412221524.D
Acq: 23 Dec 2015 2:34 am

Tgt Ion:276 Resp: 41

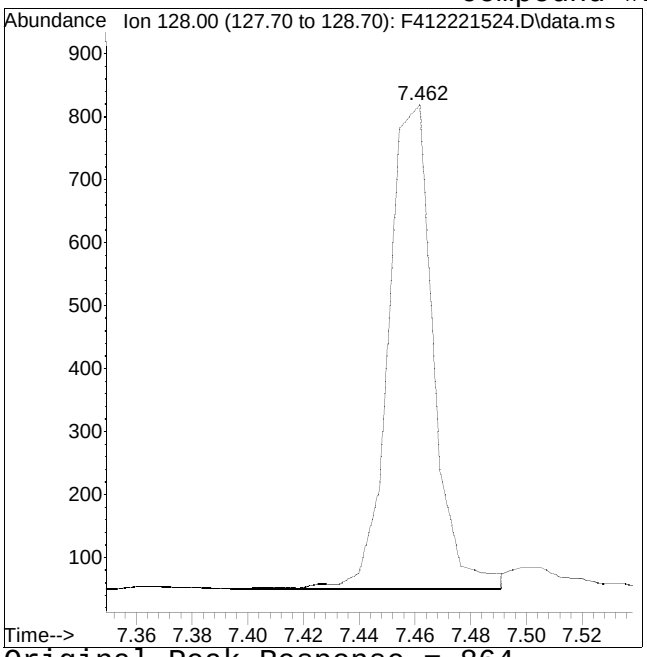
Ion	Ratio	Lower	Upper
276	100		
138	152.5	20.2	30.4#



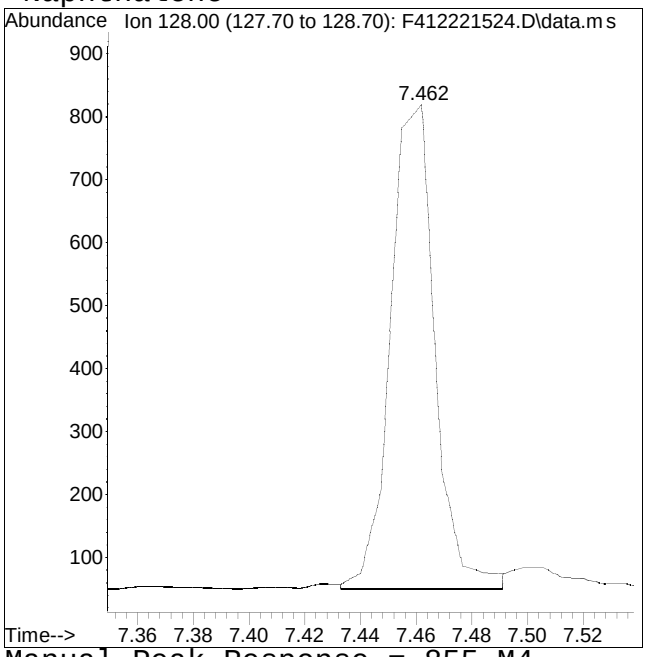
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412221524.D Operator : BNA4:SF
Date Inj'd : 12/23/2015 2:34 am Instrument : BNA4
Sample : L1533592-09 Quant Date : 12/23/2015 9:19 am

Compound #2: Naphthalene



Original Peak Response = 864



Manual Peak Response = 855 M4

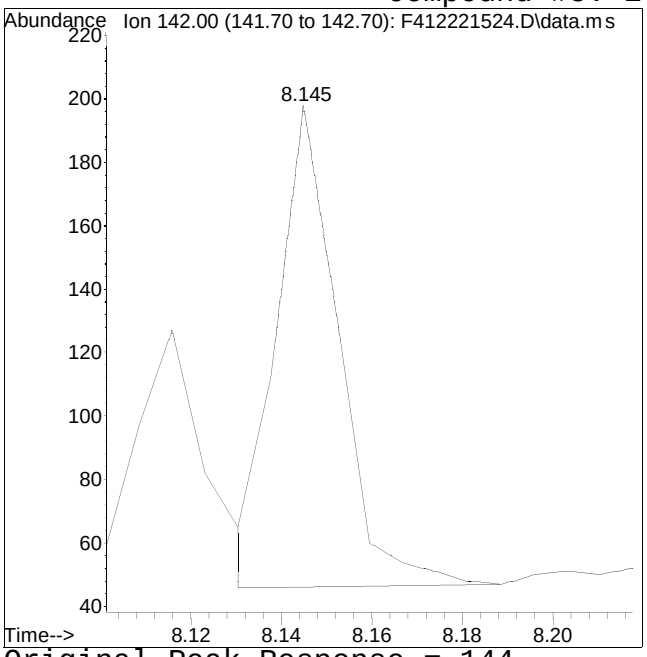
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

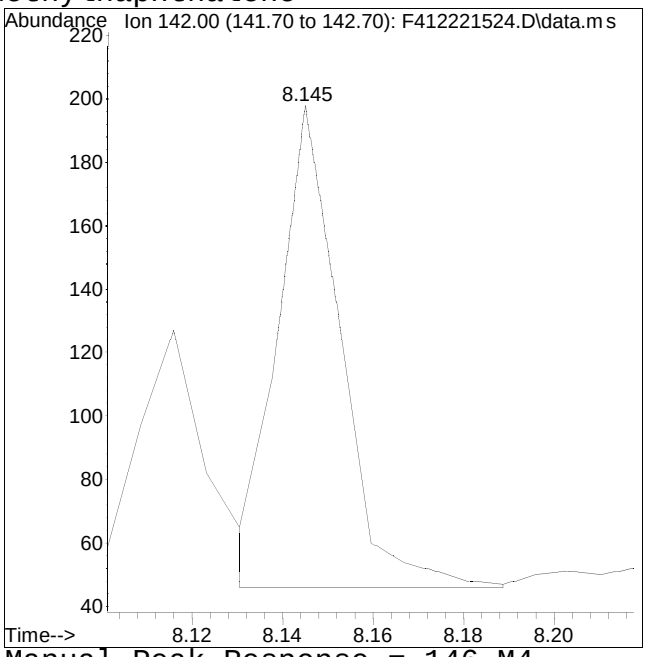
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412221524.D
Date Inj'd : 12/23/2015 2:34 am
Sample : L1533592-09

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/23/2015 9:19 am

Compound #5: 2-Methylnaphthalene



Original Peak Response = 144



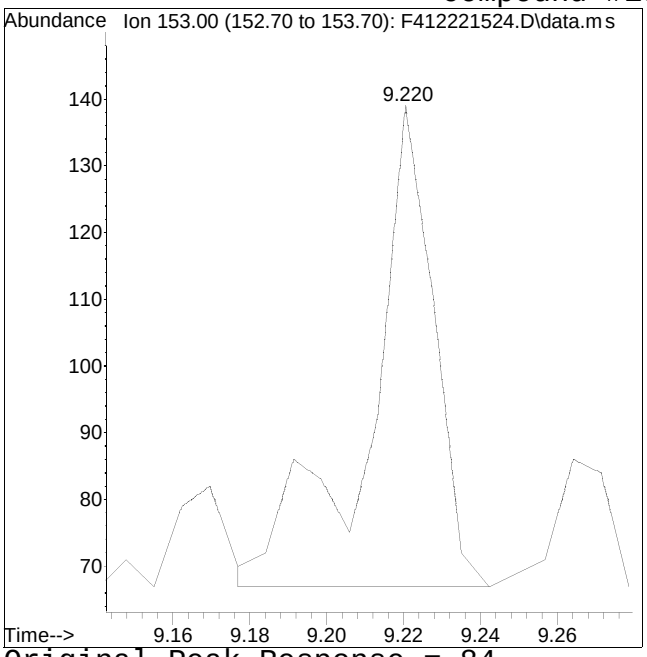
Manual Peak Response = 146 M4

M4 = Poor automated baseline construction.

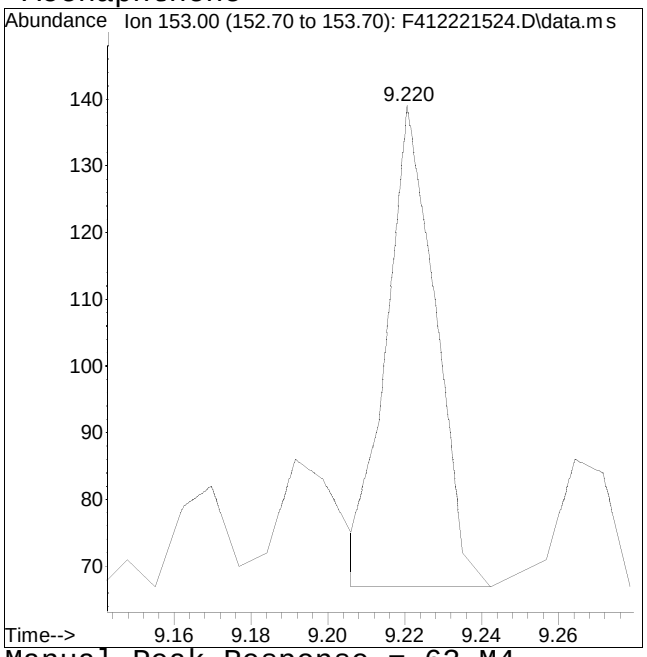
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412221524.D Operator : BNA4:SF
Date Inj'd : 12/23/2015 2:34 am Instrument : BNA4
Sample : L1533592-09 Quant Date : 12/23/2015 9:19 am

Compound #13: Acenaphthene



Original Peak Response = 84



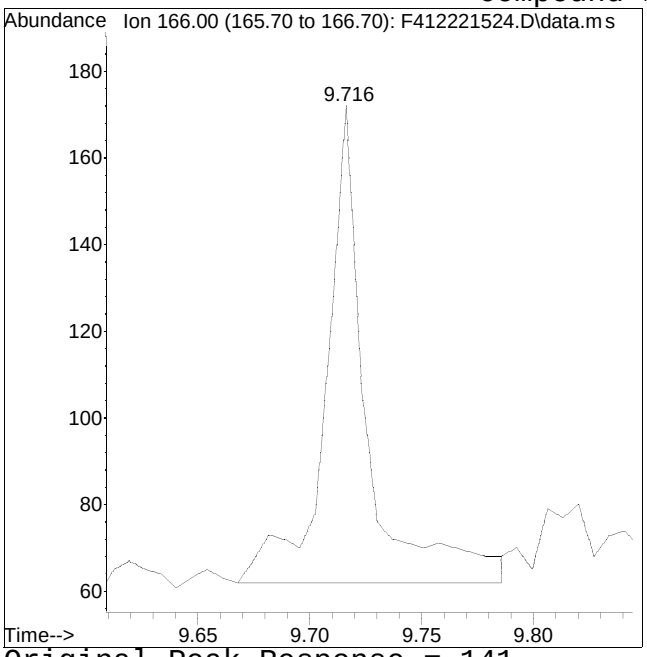
Manual Peak Response = 63 M4

M4 = Poor automated baseline construction.

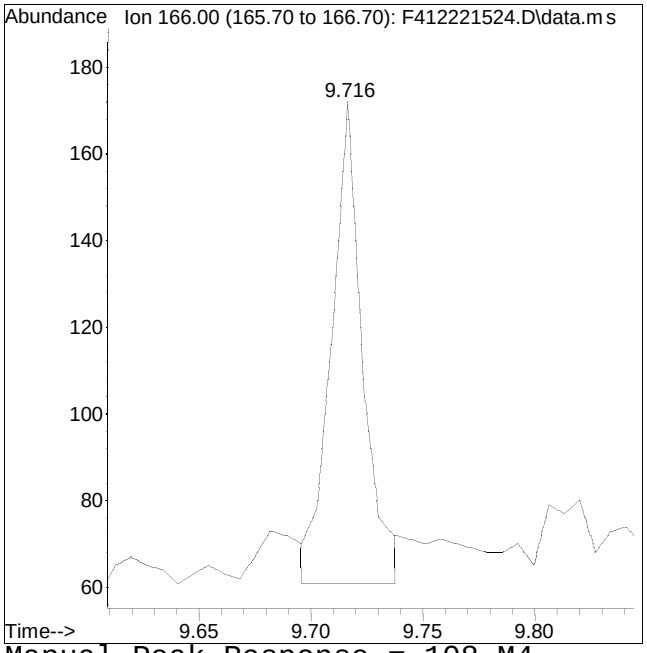
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412221524.D Operator : BNA4:SF
Date Inj'd : 12/23/2015 2:34 am Instrument : BNA4
Sample : L1533592-09 Quant Date : 12/23/2015 9:19 am

Compound #15: Fluorene



Original Peak Response = 141



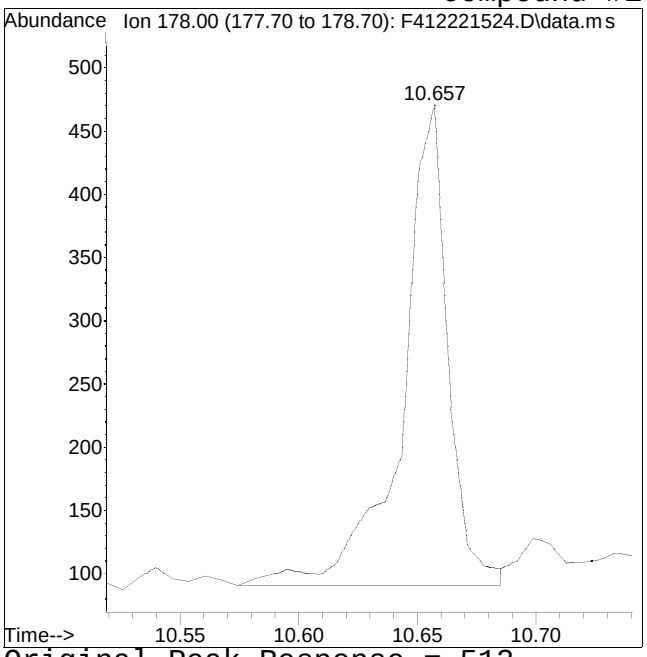
Manual Peak Response = 108 M4

M4 = Poor automated baseline construction.

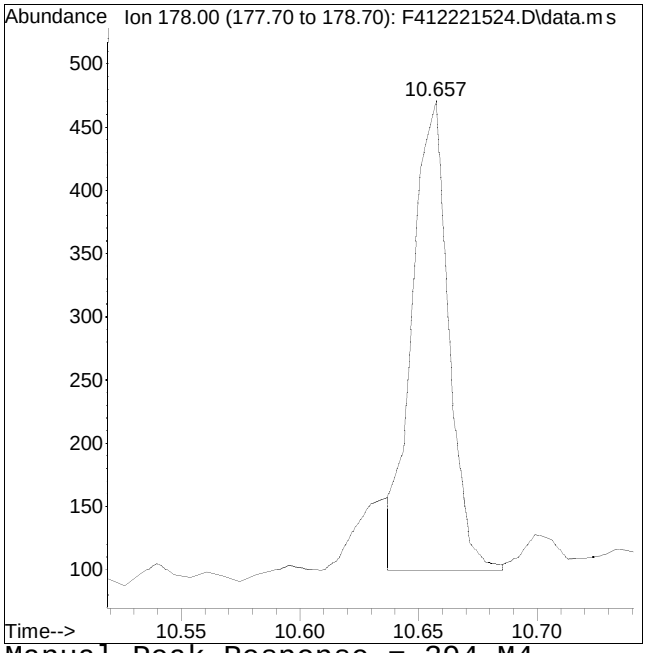
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412221524.D Operator : BNA4:SF
Date Inj'd : 12/23/2015 2:34 am Instrument : BNA4
Sample : L1533592-09 Quant Date : 12/23/2015 9:19 am

Compound #19: Phenanthrene



Original Peak Response = 512



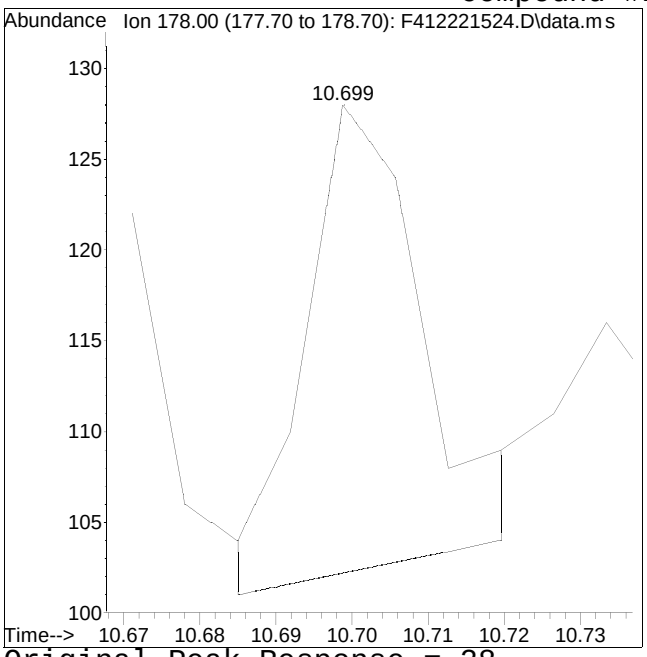
Manual Peak Response = 394 M4

M4 = Poor automated baseline construction.

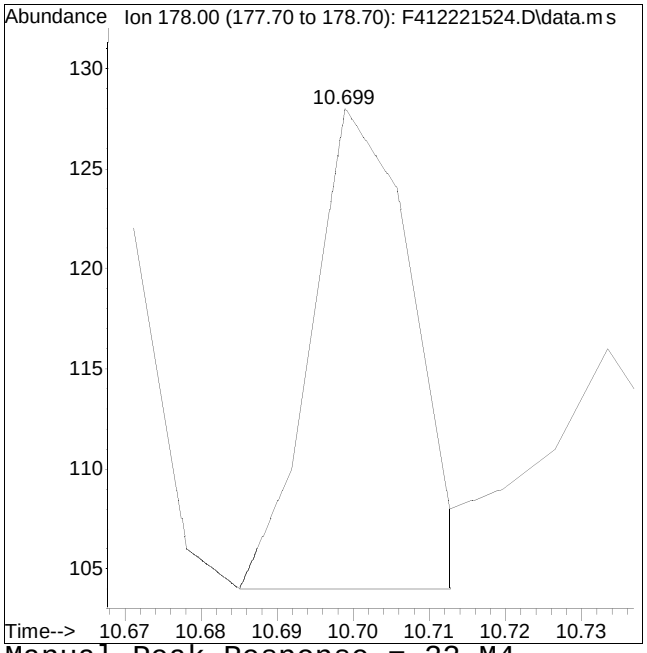
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412221524.D Operator : BNA4:SF
Date Inj'd : 12/23/2015 2:34 am Instrument : BNA4
Sample : L1533592-09 Quant Date : 12/23/2015 9:19 am

Compound #20: Anthracene



Original Peak Response = 28



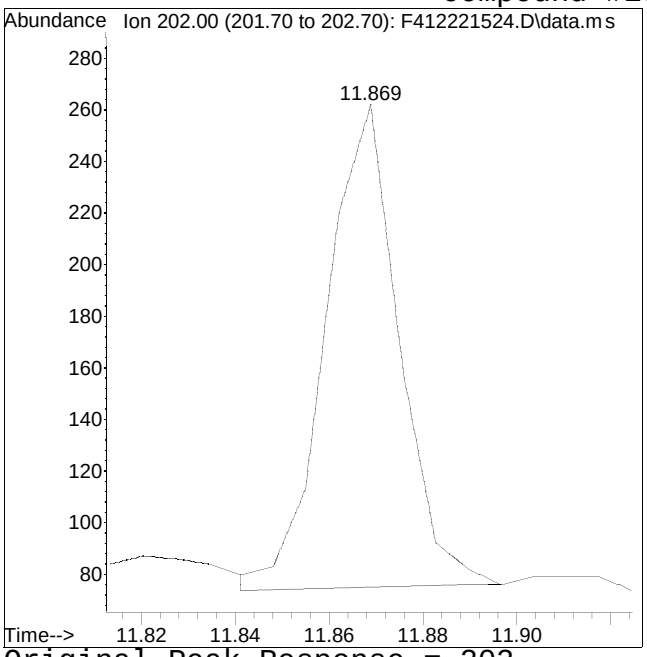
Manual Peak Response = 22 M4

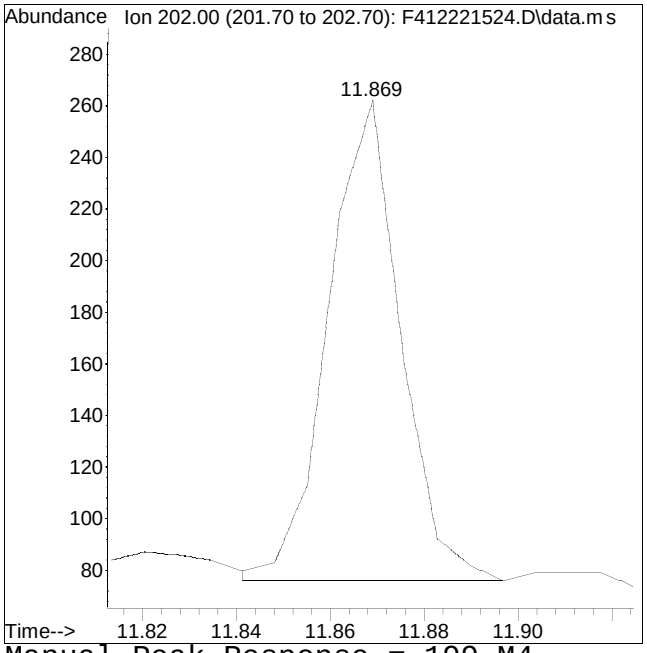
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412221524.D Operator : BNA4:SF
Date Inj'd : 12/23/2015 2:34 am Instrument : BNA4
Sample : L1533592-09 Quant Date : 12/23/2015 9:19 am

Compound #23: Fluoranthene





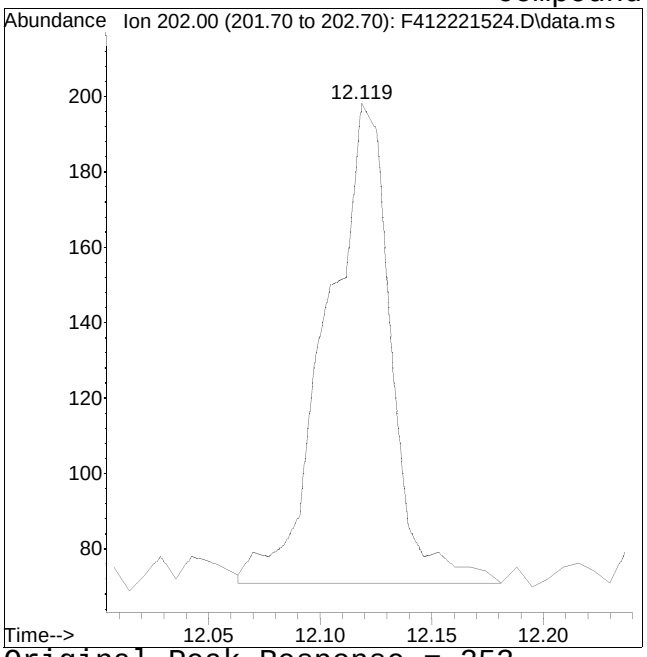
Original Peak Response = 202 Manual Peak Response = 199 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

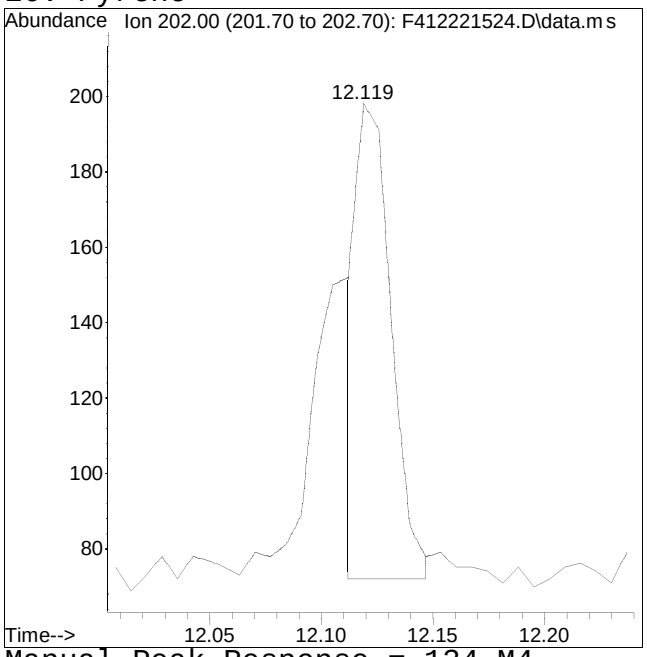
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412221524.D
Date Inj'd : 12/23/2015 2:34 am
Sample : L1533592-09

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/23/2015 9:19 am

Compound #26: Pyrene



Original Peak Response = 253



Manual Peak Response = 134 M4

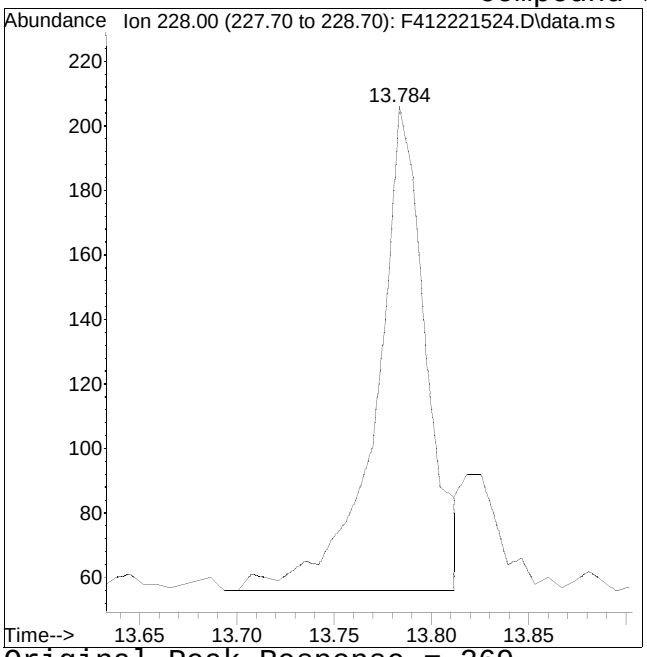
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

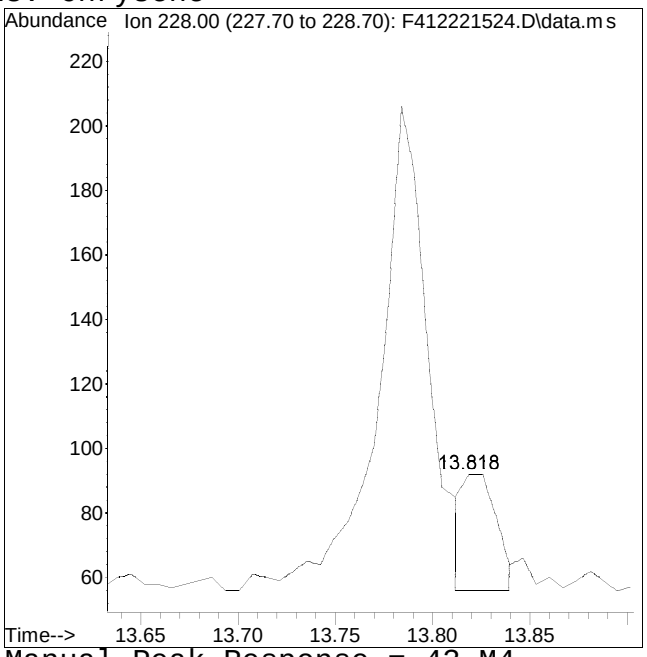
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412221524.D
Date Inj'd : 12/23/2015 2:34 am
Sample : L1533592-09

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/23/2015 9:19 am

Compound #28: Chrysene



Original Peak Response = 269



Manual Peak Response = 43 M4

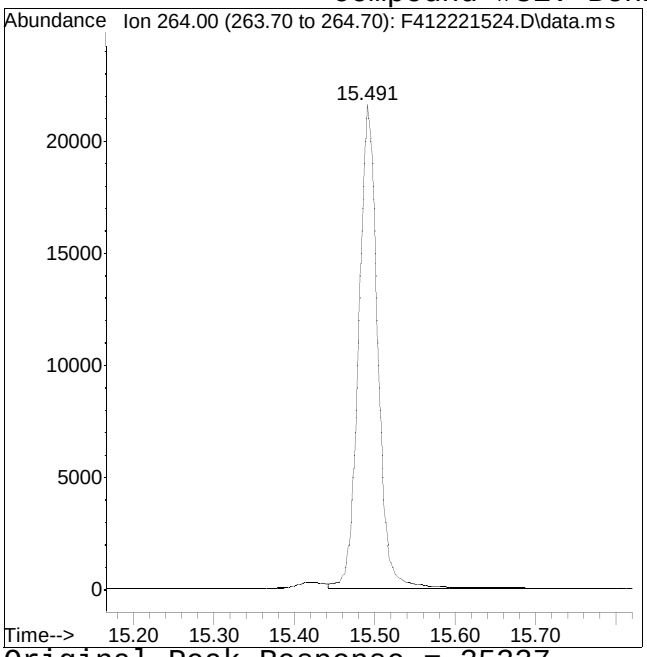
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

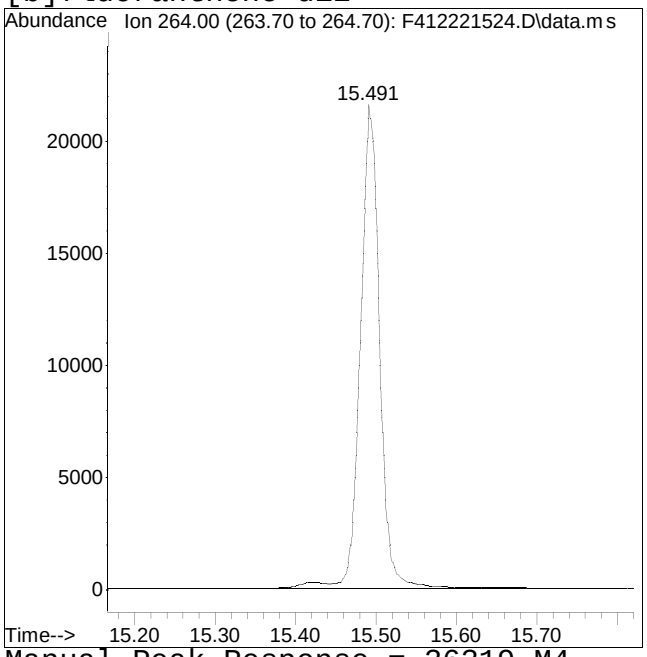
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412221524.D
Date Inj'd : 12/23/2015 2:34 am
Sample : L1533592-09

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/23/2015 9:19 am

Compound #31: Benzo[b]fluoranthene-d12



Original Peak Response = 35337



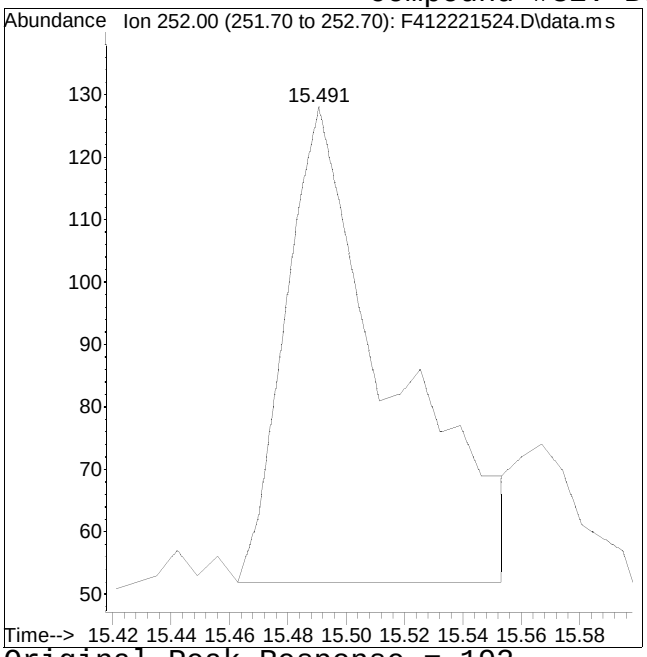
Manual Peak Response = 36319 M4

M4 = Poor automated baseline construction.

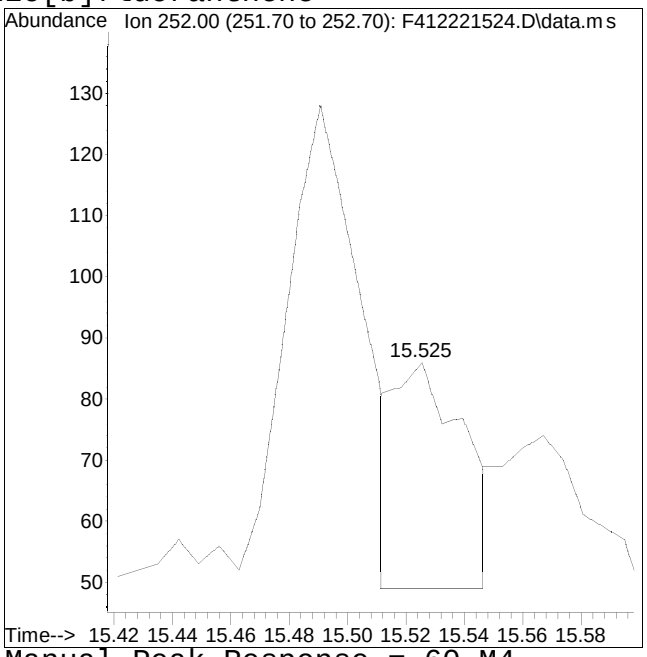
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412221524.D Operator : BNA4:SF
Date Inj'd : 12/23/2015 2:34 am Instrument : BNA4
Sample : L1533592-09 Quant Date : 12/23/2015 9:19 am

Compound #32: Benzo[b]fluoranthene



Original Peak Response = 192



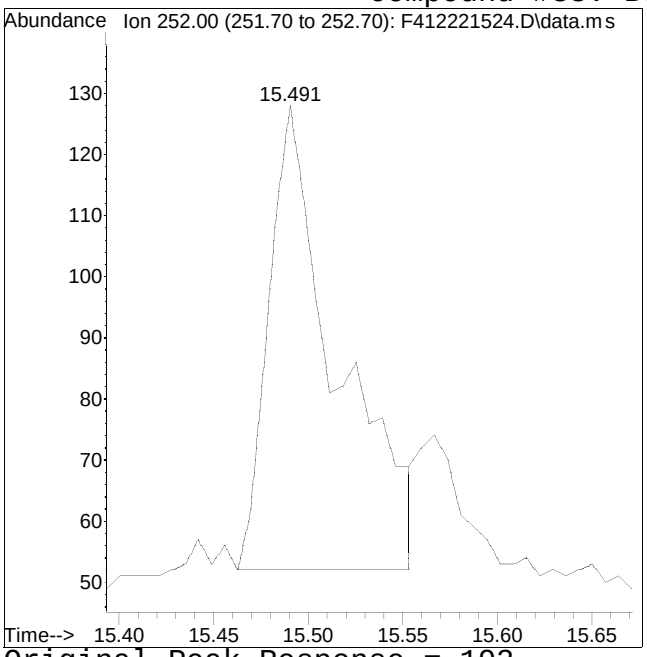
Manual Peak Response = 60 M4

M4 = Poor automated baseline construction.

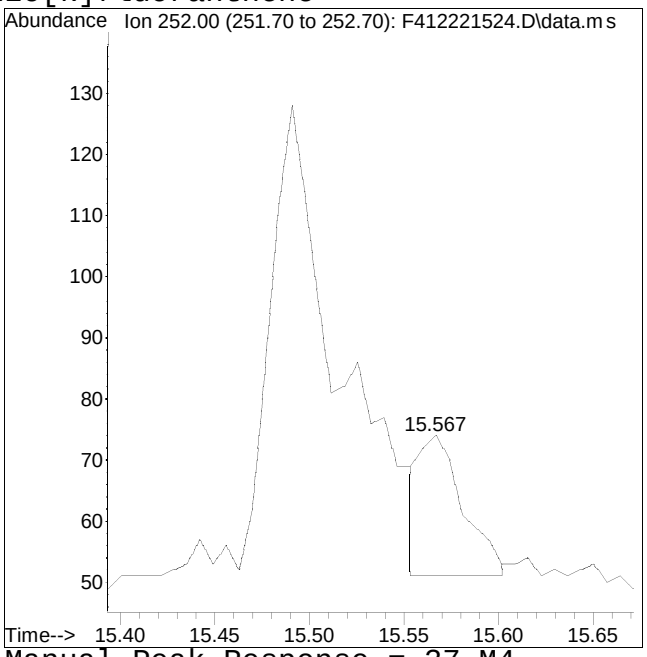
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412221524.D Operator : BNA4:SF
Date Inj'd : 12/23/2015 2:34 am Instrument : BNA4
Sample : L1533592-09 Quant Date : 12/23/2015 9:19 am

Compound #33: Benzo[k]fluoranthene



Original Peak Response = 192



Manual Peak Response = 37 M4

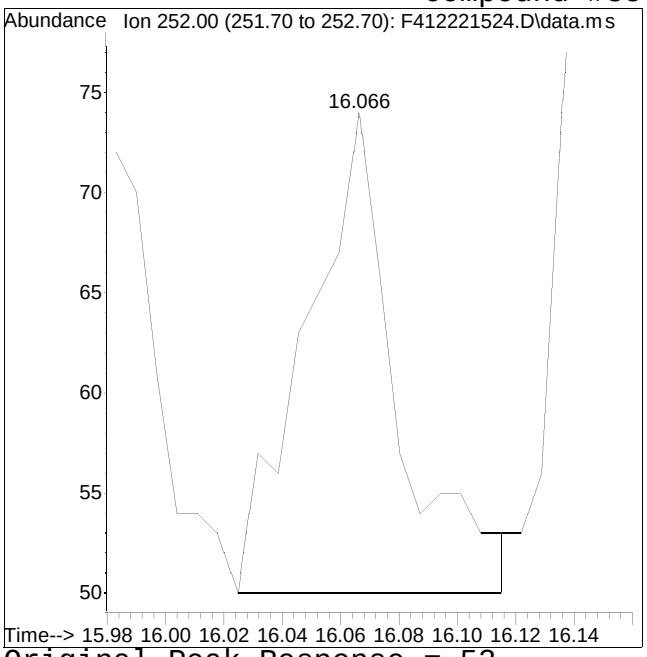
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

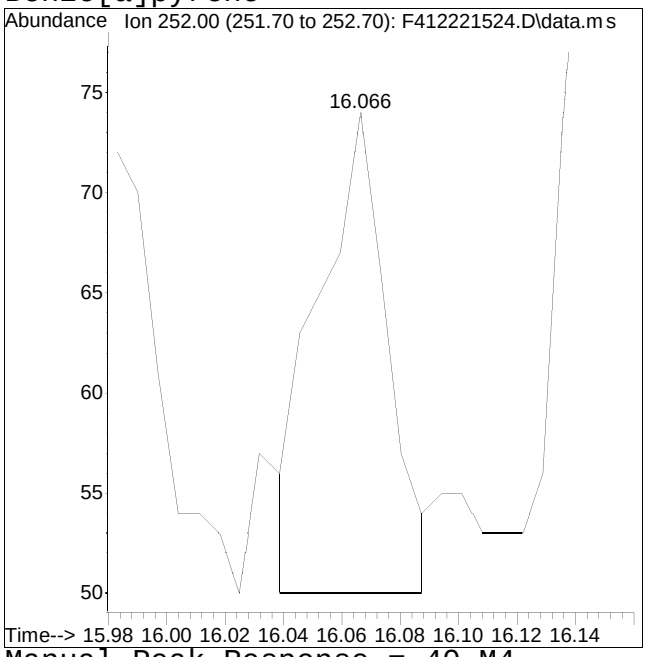
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412221524.D
Date Inj'd : 12/23/2015 2:34 am
Sample : L1533592-09

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/23/2015 9:19 am

Compound #35: Benzo[a]pyrene



Original Peak Response = 52



Manual Peak Response = 40 M4

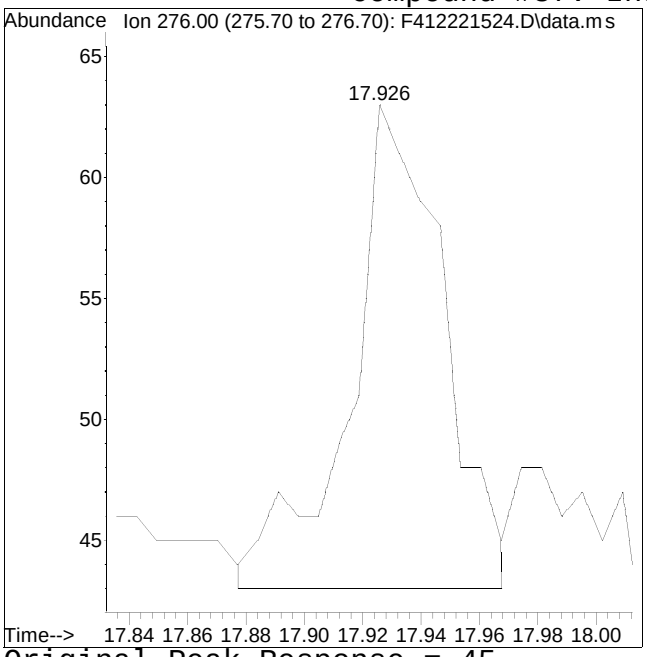
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

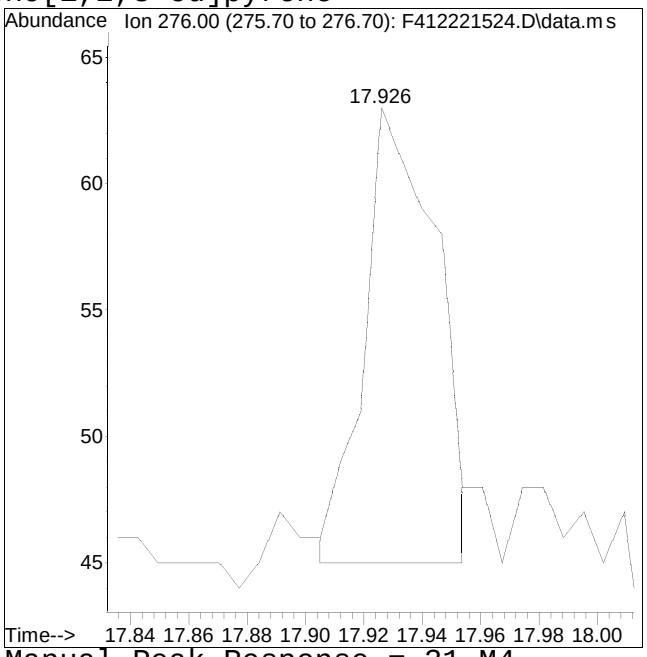
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412221524.D
Date Inj'd : 12/23/2015 2:34 am
Sample : L1533592-09

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/23/2015 9:19 am

Compound #37: Indeno[1,2,3-cd]pyrene



Original Peak Response = 45



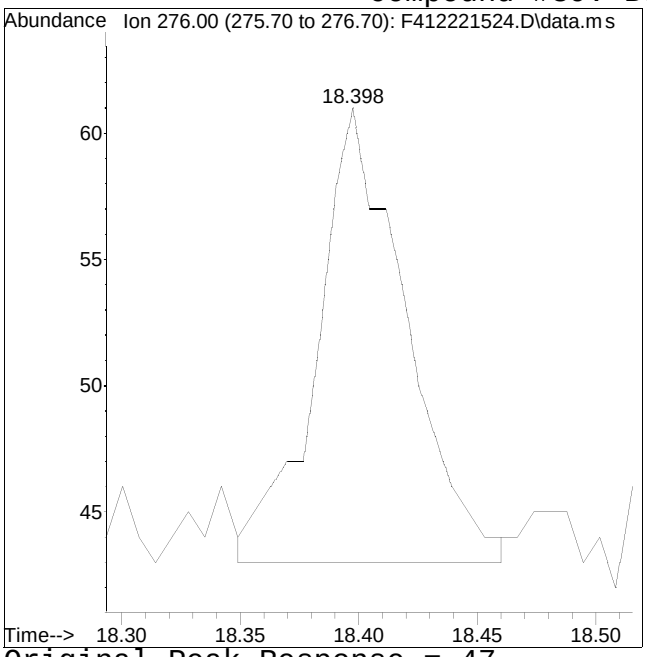
Manual Peak Response = 31 M4

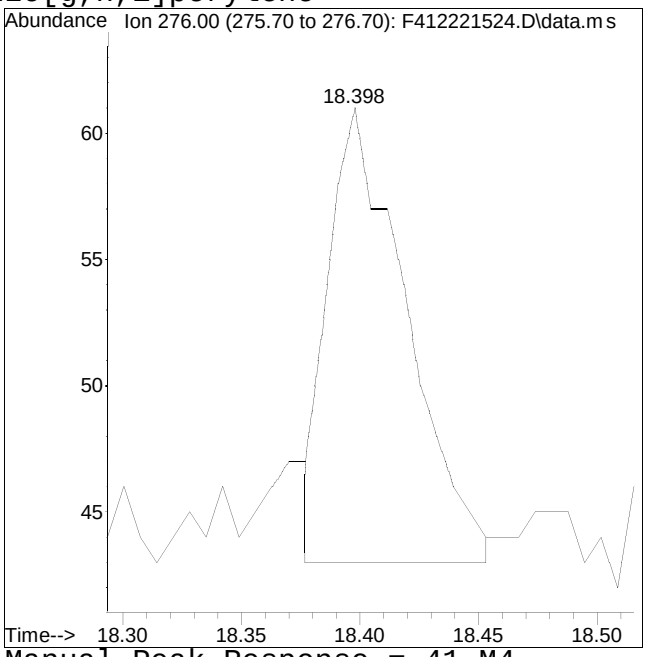
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412221524.D Operator : BNA4:SF
Date Inj'd : 12/23/2015 2:34 am Instrument : BNA4
Sample : L1533592-09 Quant Date : 12/23/2015 9:19 am

Compound #39: Benzo[g,h,i]perylene





Original Peak Response = 47 Manual Peak Response = 41 M4
M4 = Poor automated baseline construction.

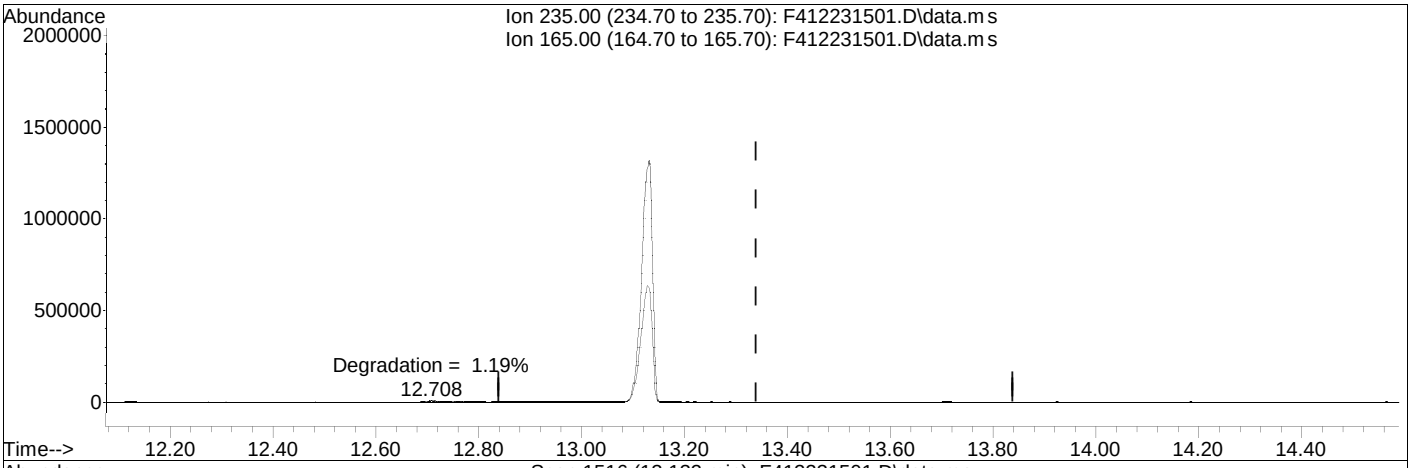
Analytical Event

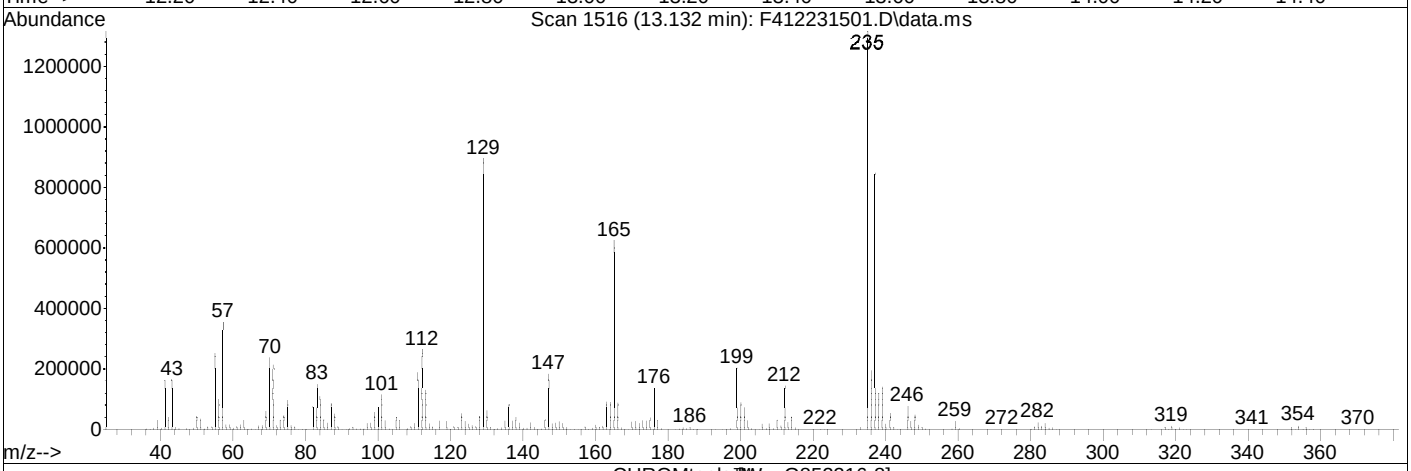
Degradation Check Standard

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC23\
Data File : F412231501.D
Acq On : 23 Dec 2015 11:46 am
Operator : BNA4:SF
Sample : WG852216-8
Misc : WG852216,MSAG73
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 13:08:01 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC23\DFTPPBNA4.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 20 09:25:01 2015
Response via : Initial Calibration





CHROMtools TM G852216-8]

(4) DDT ( )

13.132min (-0.207) 0.00

response 1817567

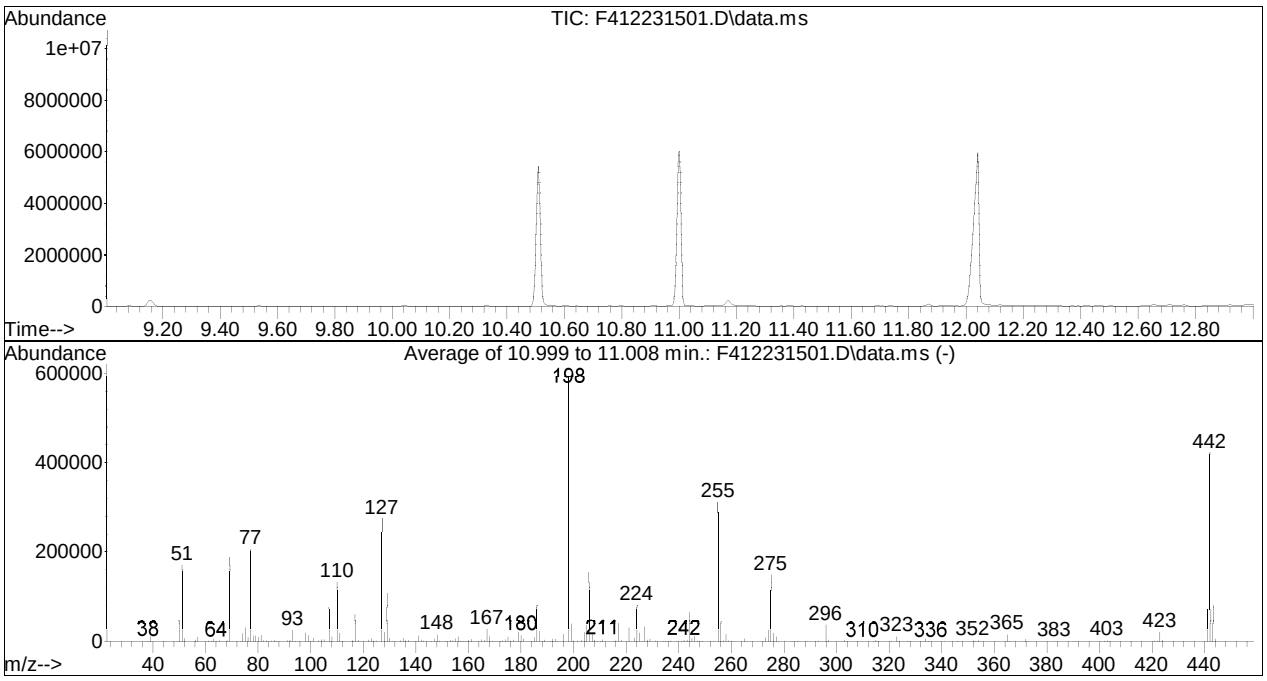
Ion	Exp%	Act%
235.00	100	100
165.00	39.30	51.36#
0.00	0.00	0.00
0.00	0.00	0.00

Continuing Calibration
DFTPP Tune

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC23\
Data File : F412231501.D
Acq On : 23 Dec 2015 11:46 am
Operator : BNA4:SF
Sample : WG852216-7
Misc : WG852216,MSAG73
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : O:\Organics\DATA\BNA4\2015\DEC\DEC23\PAH1217BNA4.M
Title : PAH's by SIM
Last Update : Mon Dec 28 12:14:40 2015



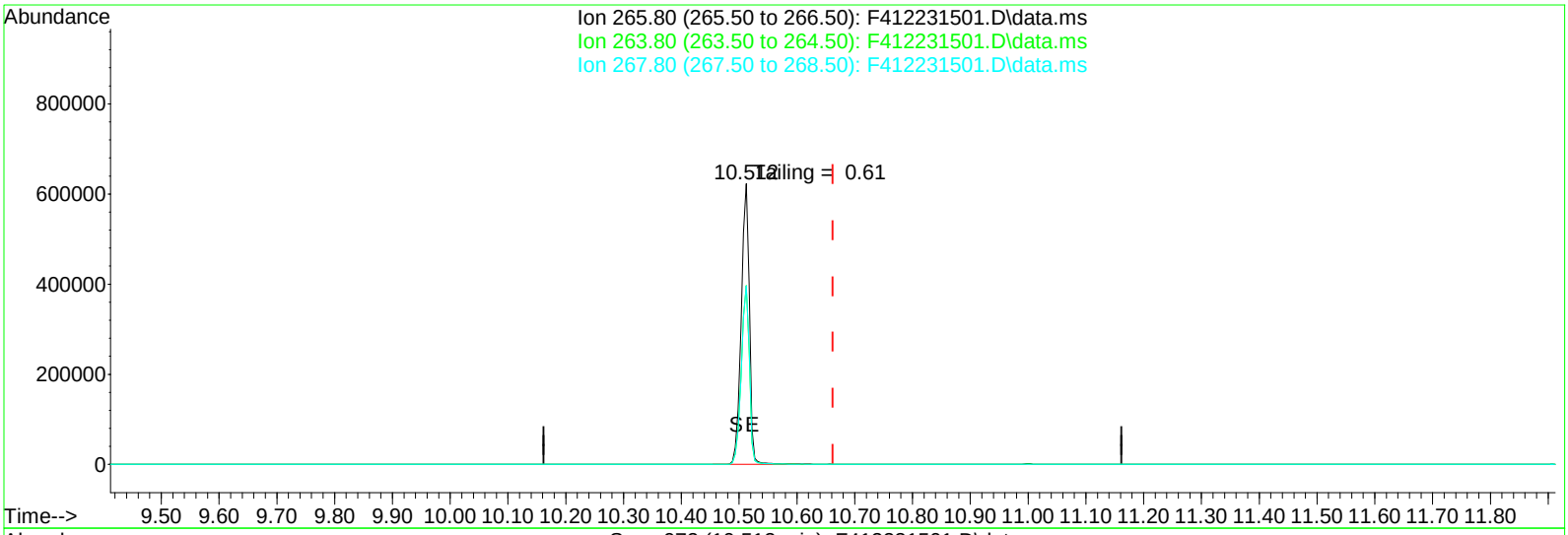
AutoFind: Scans 1073, 1074, 1075; Background Corrected with Scan 1063

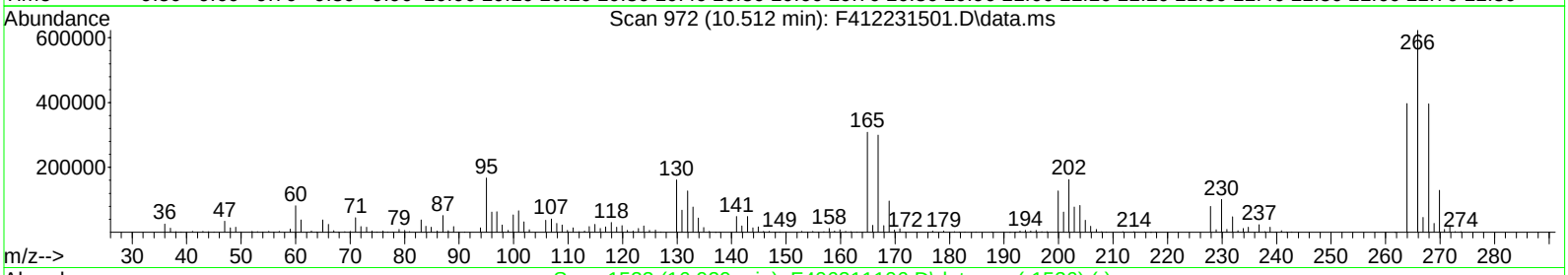
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	28.8	169888	PASS
68	69	0.00	2	1.7	3176	PASS
70	69	0.00	2	0.3	562	PASS
127	198	10	80	46.6	274909	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	590357	PASS
199	198	5	9	6.6	39179	PASS
275	198	10	60	25.2	148848	PASS
365	198	1	100	2.6	15586	PASS
441	442	0.01	24	16.8	70968	PASS
442	198	50	100	71.6	422485	PASS
443	442	15	24	18.8	79493	PASS

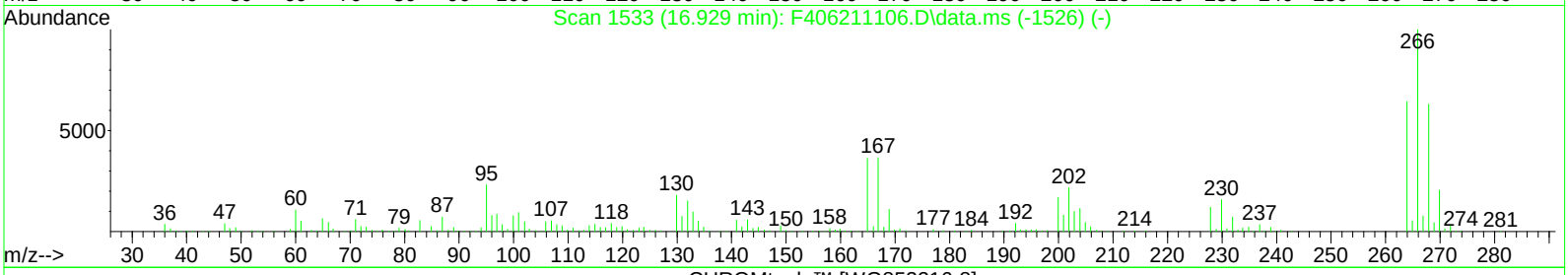
Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC23\
Data File : F412231501.D
Acq On : 23 Dec 2015 11:46 am
Operator : BNA4:SF
Sample : WG852216-8
Misc : WG852216,MSAG73
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 13:08:01 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC23\DFTPPBNA4.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 20 09:25:01 2015
Response via : Initial Calibration







CHROMtools™ [WG852216-8]

(1) Pentachlorophenol (MC)

10.512min (-0.149) 11.63 ug/mL

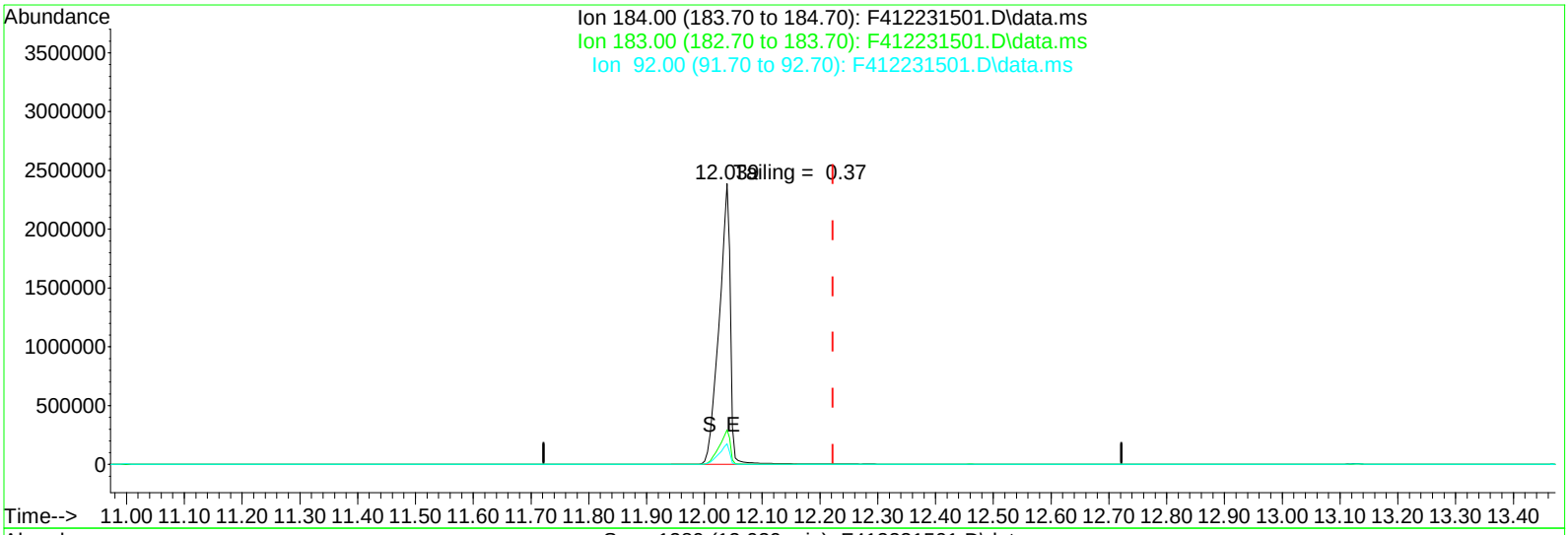
response 608694

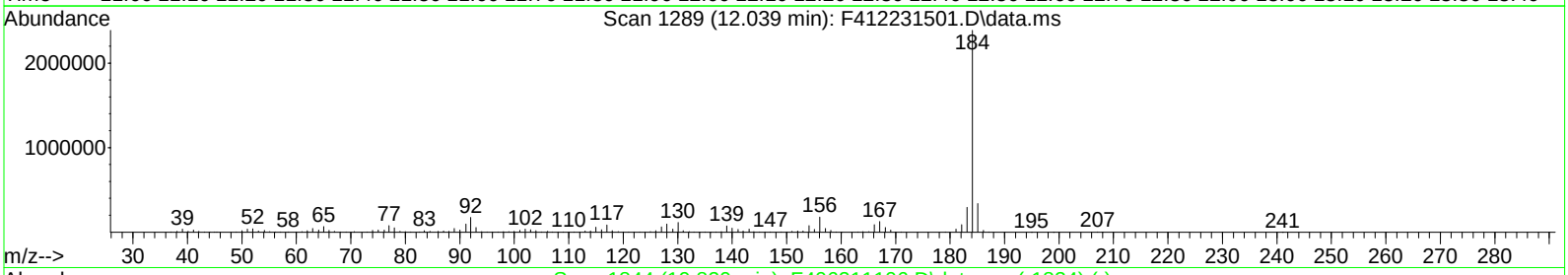
Ion	Exp%	Act%
265.80	100	100
263.80	63.50	63.38
267.80	63.50	63.59
0.00	0.00	0.00

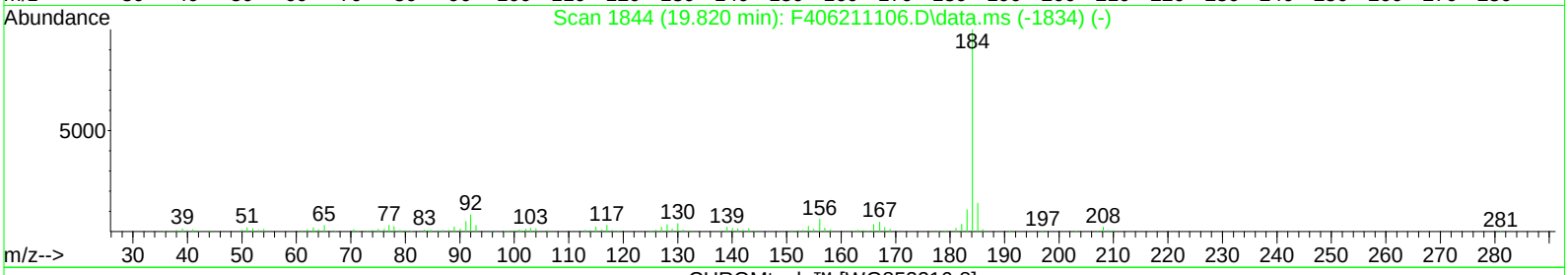
Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC23\
Data File : F412231501.D
Acq On : 23 Dec 2015 11:46 am
Operator : BNA4:SF
Sample : WG852216-8
Misc : WG852216,MSAG73
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 13:08:01 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC23\DFTPPBNA4.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 20 09:25:01 2015
Response via : Initial Calibration







CHROMtools™ [WG852216-8]

(3) Benzidine (T)

12.039min (-0.183) 38.92 ug/mL

response 3166383 ~2 x >CAL (25)

Ion	Exp%	Act%
184.00	100	100
183.00	13.20	12.36
92.00	6.80	7.09
0.00	0.00	0.00

Continuing Calibration

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC23\
Data File : F412231502.D
Acq On : 23 Dec 2015 12:16 pm
Operator : BNA4:SF
Sample : WG852216-9
Misc : WG852216,MSAG97
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 28 12:14:46 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC23\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Mon Dec 28 12:14:41 2015
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	Naphthalene-d8	1.000	1.000	0.0	124	0.00
2	t	Naphthalene	1.054	1.001	5.0	121	0.00
3	t	1,4-Dichlorobenzene	0.441	0.408	7.5	122	0.00
4	s	2-Methylnaphthalene-d10	0.541	0.555	-2.6	123	0.00
5	t	2-Methylnaphthalene	0.661	0.675	-2.1	126	0.00
6	t	1-Methylnaphthalene	0.627	0.634	-1.1	125	0.00
7	i	Acenaphthene-d10	1.000	1.000	0.0	124	0.00
8	t	Dibenzothiophene	2.024	2.152	-6.3	125	0.00
9		2-Chloronaphthalene	1.400	1.435	-2.5	123	0.00
10	t	Biphenyl	1.730	1.757	-1.6	124	0.00
11	t	2,6-Dimethylnaphthalene	1.163	1.243	-6.9	127	0.00
12	t	Acenaphthylene	1.993	2.282	-14.5	132	0.00
13	t	Acenaphthene	1.357	1.350	0.5	124	0.00
14	t	Dibenzofuran	1.905	1.921	-0.8	124	0.00
15	t	Fluorene	1.461	1.572	-7.6	128	0.00
16	t	2,3,5-Trimethylnaphthalene	1.023	1.113	-8.8	127	0.00
17	i	Phenanthrene-d10	1.000	1.000	0.0	124	0.00
18	s	Fluoranthene-d10	0.799	0.882	-10.4	124	0.00
19	t	Phenanthrene	1.100	1.163	-5.7	132	0.00
20	t	Anthracene	1.012	1.058	-4.5	124	0.00
21	t	Carbazole	0.974	1.092	-12.1	128	0.00
22	t	1-Methylphenanthrene	0.725	0.802	-10.6	126	0.00
23	t	Fluoranthene	1.093	1.206	-10.3	125	0.00
24	i	Chrysene-d12	1.000	1.000	0.0	119	0.00
25	s	Pyrene-d10	0.970	1.089	-12.3	125	0.00
26	t	Pyrene	1.494	1.663	-11.3	125	0.00
27	t	Benz[a]anthracene	*500.000	566.374	-13.3	136	0.00
28	t	Chrysene	1.161	1.165	-0.3	119	0.00
29	i	Perylene-d12	1.000	1.000	0.0	126	0.00
30	s	Benzo(a)pyrene-d12	*500.000	518.497	-3.7	127	0.00
31	s	Benzo[b]fluoranthene-d12	0.819	0.910	-11.1	125	0.00
32	t	Benzo[b]fluoranthene	*500.000	543.703	-8.7	134	0.00
33	t	Benzo[k]fluoranthene	*500.000	464.055	7.2	116	0.00
34	t	Benzo[e]pyrene	*500.000	513.715	-2.7	127	0.00
35	t	Benzo[a]pyrene	*500.000	501.672	-0.3	126	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC23\
Data File : F412231502.D
Acq On : 23 Dec 2015 12:16 pm
Operator : BNA4:SF
Sample : WG852216-9
Misc : WG852216,MSAG97
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 28 12:14:46 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC23\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Mon Dec 28 12:14:41 2015
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36 t	Perylene	1.204	1.271	-5.6	127	0.00
37 t	Indeno[1,2,3-cd]pyrene	*500.000	551.208	-10.2	141	0.00
38 t	Dibenz[a,h]anthracene	*500.000	502.265	-0.5	125	0.00
39 t	Benzo[g,h,i]perylene	*500.000	510.472	-2.1	128	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.97	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.71	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC23\
Data File : F412231502.D
Acq On : 23 Dec 2015 12:16 pm
Operator : BNA4:SF
Sample : WG852216-9
Misc : WG852216,MSAG97
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 28 12:14:46 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC23\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Mon Dec 28 12:14:41 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.426	136	100983	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.177	164	47385	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.623	188	92159	500.000	ng/mL	0.00
24) Chrysene-d12	13.770	240	71839	500.000	ng/mL	0.00
29) Perylene-d12	16.136	264	62903	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.101	152	56087	513.009	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 10.26%#			
18) Fluoranthene-d10	11.834	212	81274	551.717	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 110.34%			
25) Pyrene-d10	12.084	212	78207	561.013	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 11.22%#			
30) Benzo(a)pyrene-d12	16.004	264	49780	518.497	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 103.70%			
31) Benzo[b]fluoranthene-d12	15.470	264	57242	555.879	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 11.12%#			
Target Compounds						Qvalue
2) Naphthalene	7.447	128	101126	474.983	ng/mL	100
3) 1,4-Dichlorobenzene	6.168	146	41169	462.028	ng/mL	99
5) 2-Methylnaphthalene	8.130	142	68197	510.581	ng/mL	99
6) 1-Methylnaphthalene	8.239	142	63977	505.235	ng/mL	98
8) Dibenzothiophene	10.519	184	101952	531.422	ng/mL	94
9) 2-Chloronaphthalene	8.617	162	68014	512.634	ng/mL	99
10) Biphenyl	8.603	154	83272	507.884	ng/mL	97
11) 2,6-Dimethylnaphthalene	8.755	156	58911	534.387	ng/mL	100
12) Acenaphthylene	9.032	152	108114	572.476	ng/mL	99
13) Acenaphthene	9.206	153	63959	497.492	ng/mL	96
14) Dibenzofuran	9.366	168	91026	504.124	ng/mL	88
15) Fluorene	9.703	166	74512	537.988	ng/mL	98
16) 2,3,5-Trimethylnaphthalen	9.585	170	52745	543.827	ng/mL	88
19) Phenanthrene	10.644	178	107222	528.760	ng/mL	100
20) Anthracene	10.685	178	97535	522.885	ng/mL	100
21) Carbazole	10.851	167	100682	560.966	ng/mL	99
22) 1-Methylphenanthrene	11.259	192	73902	553.161	ng/mL	98
23) Fluoranthene	11.848	202	111186	551.738	ng/mL	96
26) Pyrene	12.105	202	119491	556.752	ng/mL	99
27) Benz[a]anthracene	13.742	228	96805	566.374	ng/mL	100
28) Chrysene	13.805	228	83690	501.820	ng/mL	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC23\
Data File : F412231502.D
Acq On : 23 Dec 2015 12:16 pm
Operator : BNA4:SF
Sample : WG852216-9
Misc : WG852216,MSAG97
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 28 12:14:46 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC23\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Mon Dec 28 12:14:41 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo[b]fluoranthene	15.511	252	96435	543.703	ng/mL	99
33) Benzo[k]fluoranthene	15.546	252	66592	464.055	ng/mL	100
34) Benzo[e]pyrene	15.962	252	75818	513.715	ng/mL	99
35) Benzo[a]pyrene	16.039	252	78944M4	501.672	ng/mL	
36) Perylene	16.177	252	79936	527.925	ng/mL	99
37) Indeno[1,2,3-cd]pyrene	17.905	276	76062M4	551.208	ng/mL	
38) Dibenz[a,h]anthracene	17.947	278	71298	502.265	ng/mL	96
39) Benzo[g,h,i]perylene	18.370	276	75643	510.472	ng/mL	94

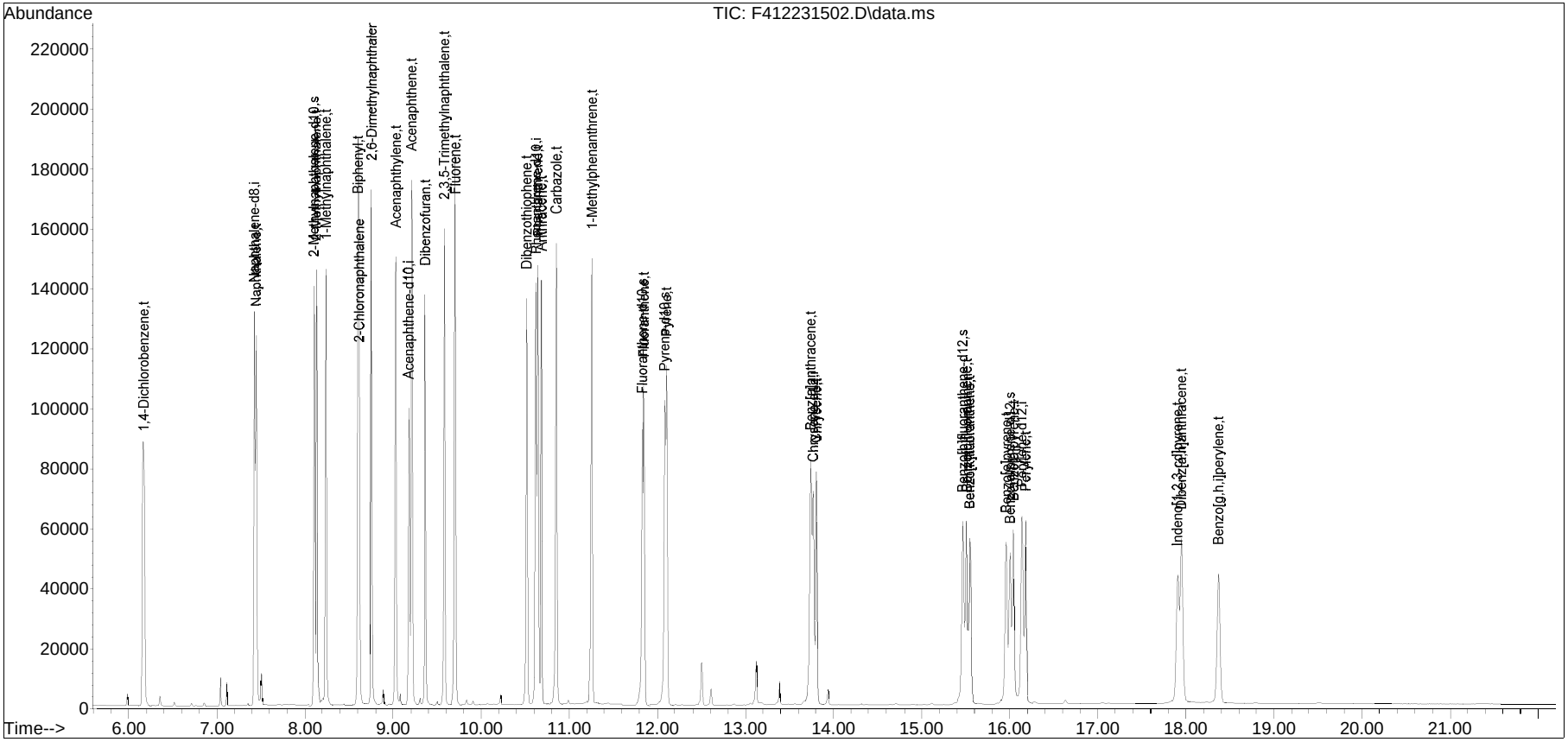
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC23\
Data File : F412231502.D
Acq On : 23 Dec 2015 12:16 pm
Operator : BNA4:SF
Sample : WG852216-9
Misc : WG852216,MSAG97
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 28 12:14:46 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC23\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Mon Dec 28 12:14:41 2015
Response via : Initial Calibration

Sub List : Default - All compounds listed



Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC23\
Data File : F412231503.D
Acq On : 23 Dec 2015 1:10 pm
Operator : BNA4:SF
Sample : L1533592-10
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 29 09:54:16 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC23\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Mon Dec 28 12:14:41 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.433	136	95466	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.184	164	45785	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.623	188	89459M4	500.000	ng/mL	0.00
24) Chrysene-d12	13.770	240	71367M4	500.000	ng/mL	0.00
29) Perylene-d12	16.150	264	62278M4	500.000	ng/mL	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.109	152	35552	343.975	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 6.88%#			
25) Pyrene-d10	12.091	212	57333M4	413.995	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.28%#			
31) Benzo[b]fluoranthene-d12	15.477	264	40989M4	402.040	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.04%#			
Target Compounds						Qvalue
2) Naphthalene	7.447	128	1002M4	4.978	ng/mL	
5) 2-Methylnaphthalene	8.138	142	163M4	1.291	ng/mL	
12) Acenaphthylene	9.031	152	135M4	0.740	ng/mL	
13) Acenaphthene	9.213	153	109M4	0.877	ng/mL	
15) Fluorene	9.709	166	131M4	0.979	ng/mL	
19) Phenanthrene	10.643	178	455M4	2.312	ng/mL	
20) Anthracene	10.692	178	46	N.D.		
23) Fluoranthene	11.855	202	266M4	1.360	ng/mL	
26) Pyrene	12.112	202	189M4	0.886	ng/mL	
27) Benz[a]anthracene	13.756	228	80M4	4.890	ng/mL	
28) Chrysene	13.811	228	68	N.D.		
32) Benzo[b]fluoranthene	15.518	252	84M4	7.388	ng/mL	
33) Benzo[k]fluoranthene	15.546	252	46M4	2.922	ng/mL	
35) Benzo[a]pyrene	16.046	252	60M4	6.110	ng/mL	
37) Indeno[1,2,3-cd]pyrene	17.919	276	60M4	6.530	ng/mL	
38) Dibenz[a,h]anthracene	17.953	278	19M4	5.144	ng/mL	
39) Benzo[g,h,i]perylene	18.377	276	78M4	5.242	ng/mL	

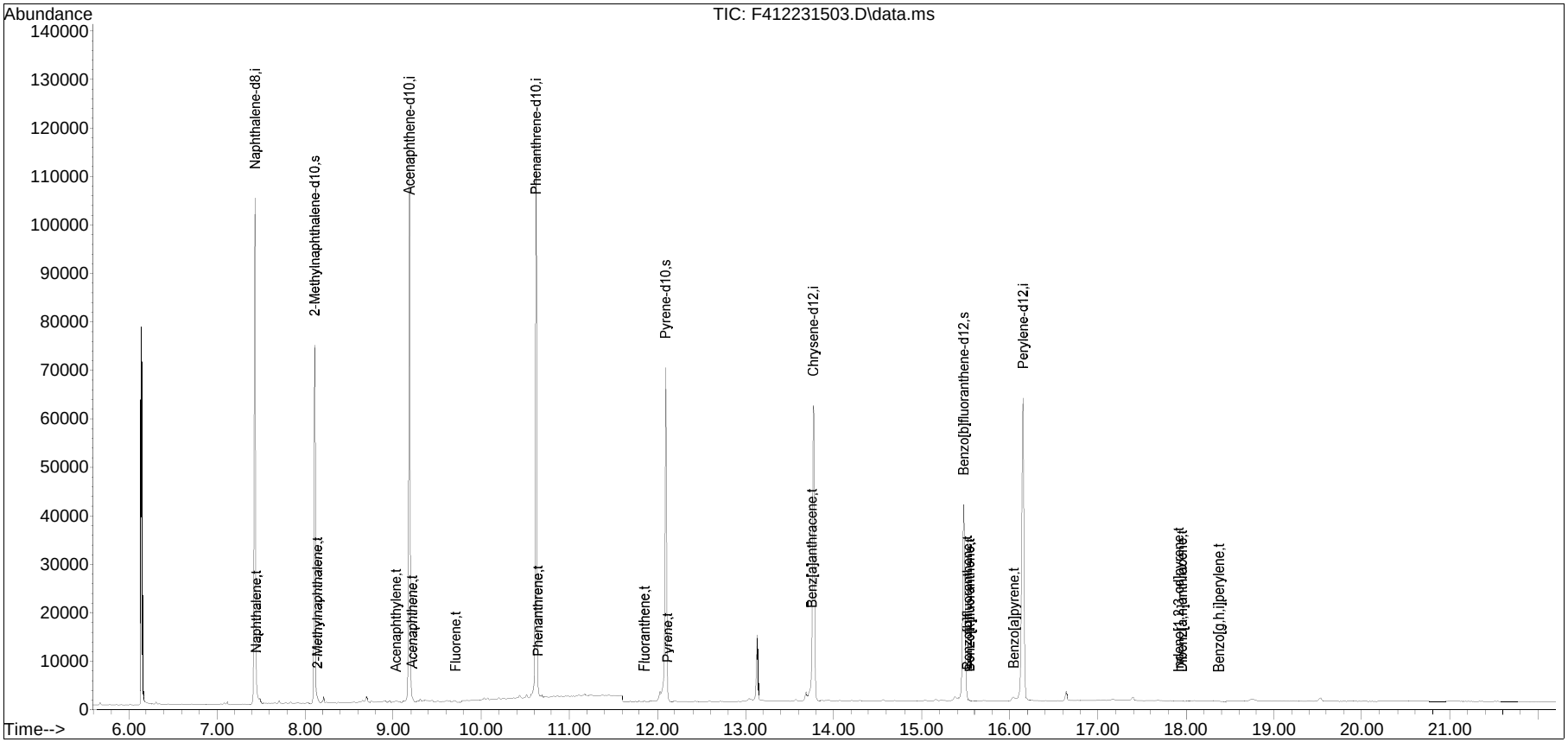
(#) = qualifier out of range (m) = manual integration (+) = signals summed

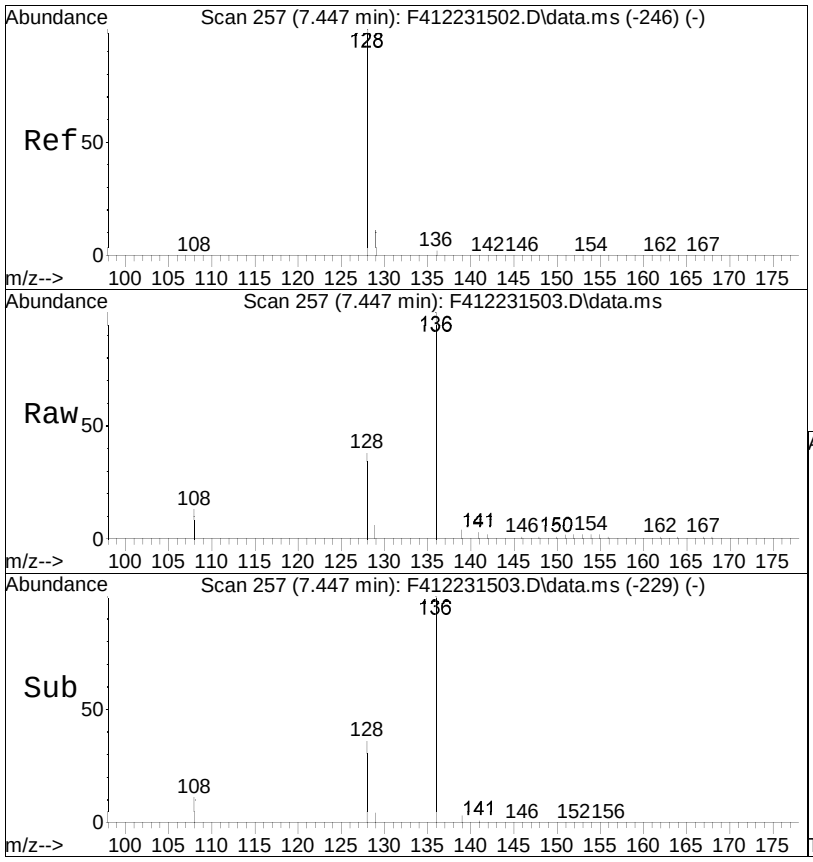
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC23\
Data File : F412231503.D
Acq On : 23 Dec 2015 1:10 pm
Operator : BNA4:SF
Sample : L1533592-10
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 29 09:54:16 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC23\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Mon Dec 28 12:14:41 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

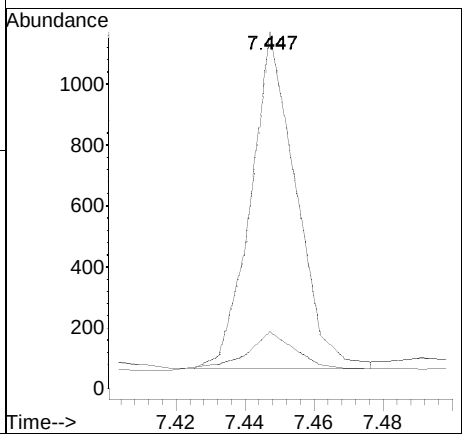


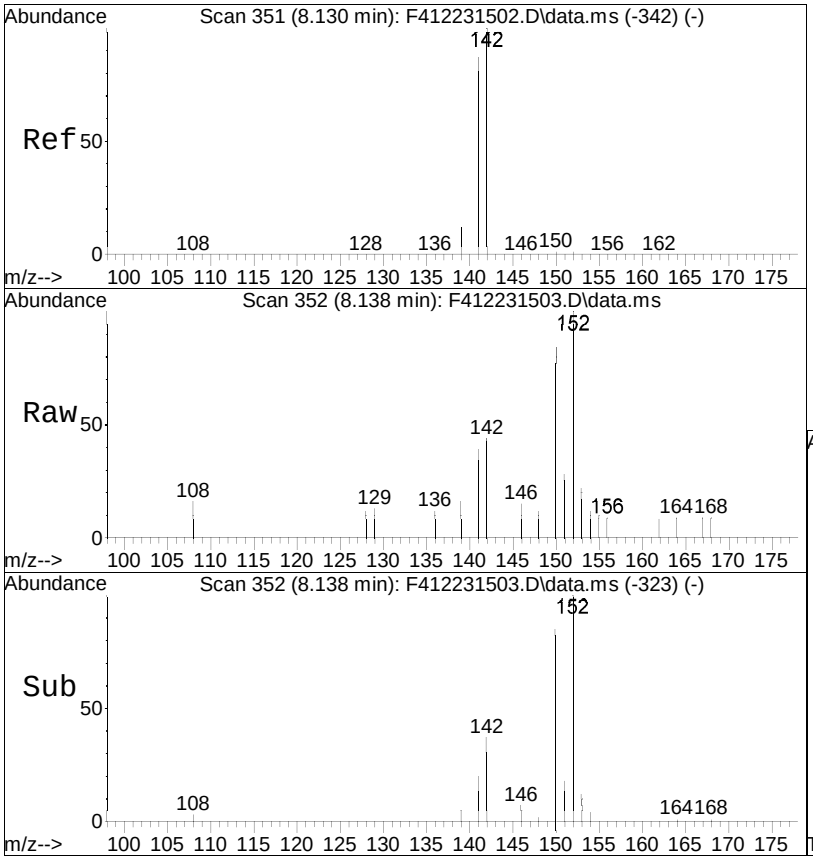


#2
Naphthalene
Concen: 4.98 ng/mL M4
RT: 7.447 min Scan# 257
Delta R.T. -0.000 min
Lab File: F412231503.D
Acq: 23 Dec 2015 1:10 pm

Tgt Ion:128 Resp: 1002

Ion	Ratio	Lower	Upper
128	100		
129	15.9	8.7	13.1#

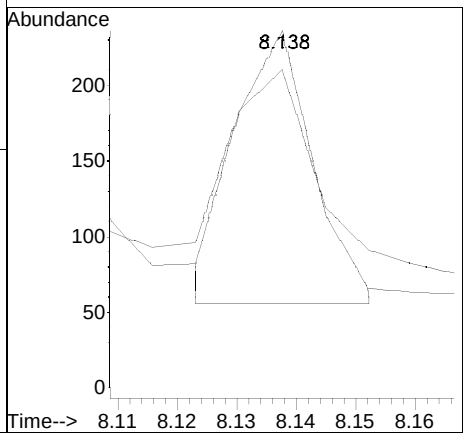


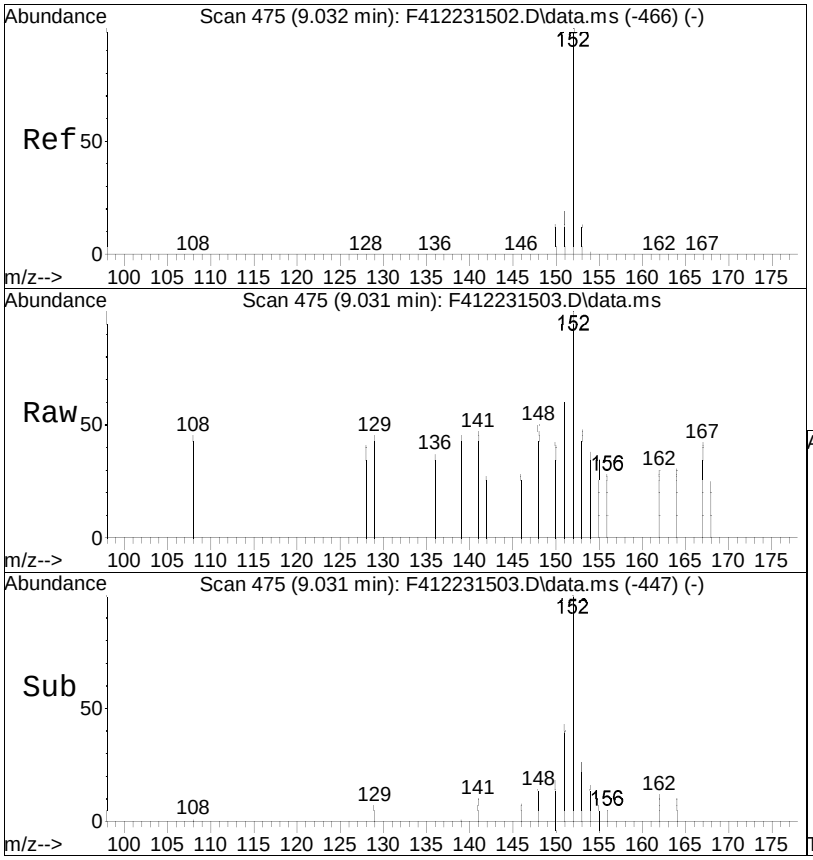


#5
2-Methylnaphthalene
Concen: 1.29 ng/mL M4
RT: 8.138 min Scan# 352
Delta R.T. 0.007 min
Lab File: F412231503.D
Acq: 23 Dec 2015 1:10 pm

Tgt Ion:142 Resp: 163

Ion	Ratio	Lower	Upper
142	100		
141	89.0	68.8	103.2

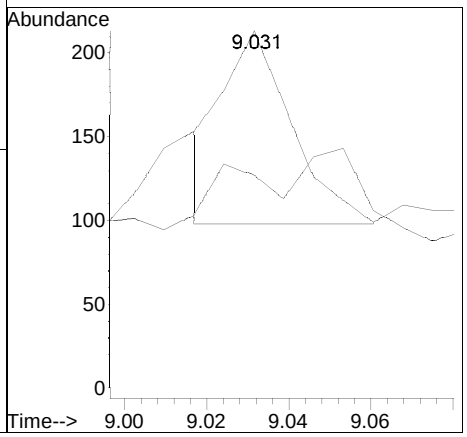


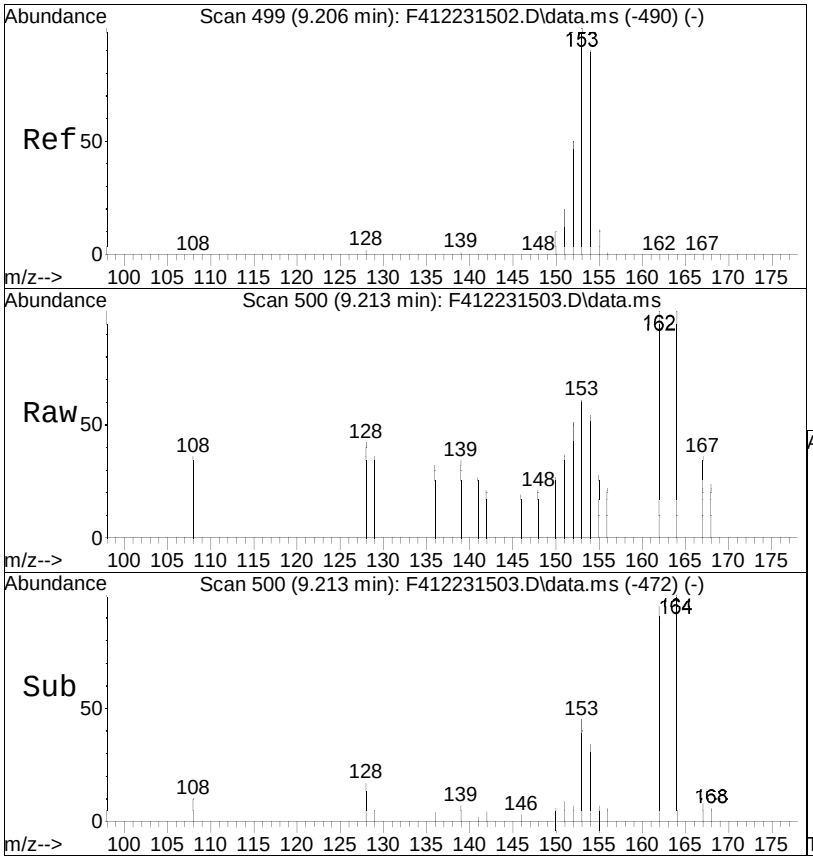


#12
Acenaphthylene
Concen: 0.74 ng/mL M4
RT: 9.031 min Scan# 475
Delta R.T. -0.000 min
Lab File: F412231503.D
Acq: 23 Dec 2015 1:10 pm

Tgt Ion:152 Resp: 135

Ion	Ratio	Lower	Upper
152	100		
151	59.6	15.4	23.0#

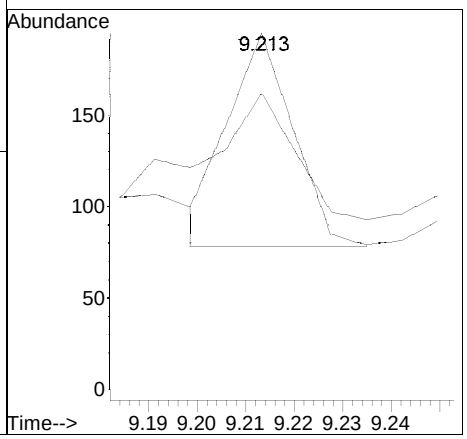


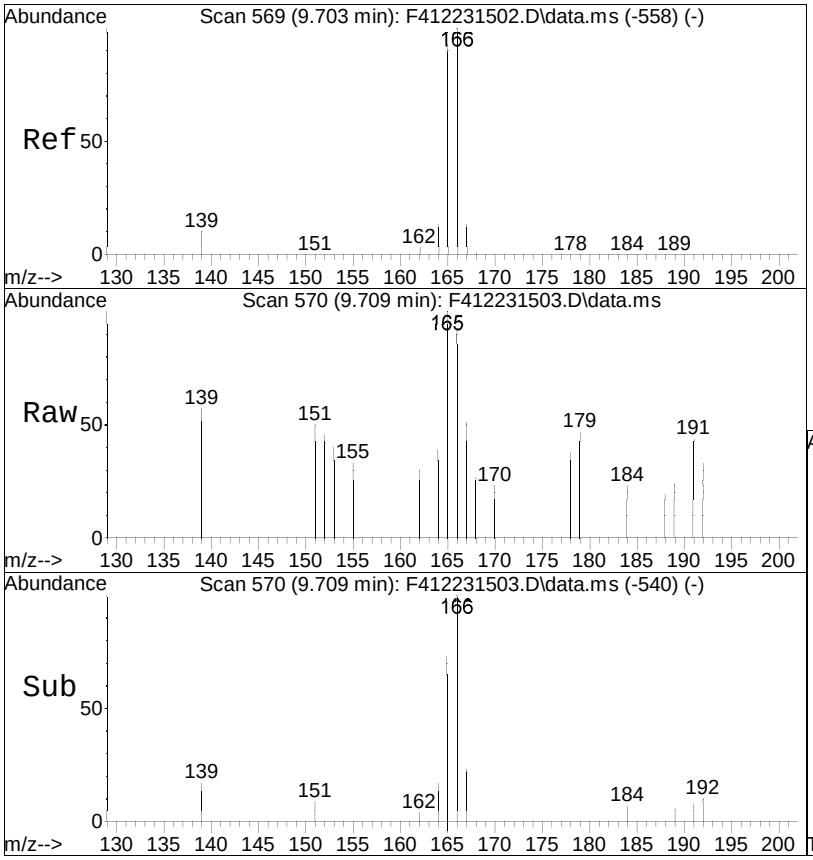


#13
Acenaphthene
Concen: 0.88 ng/mL M4
RT: 9.213 min Scan# 500
Delta R.T. 0.007 min
Lab File: F412231503.D
Acq: 23 Dec 2015 1:10 pm

Tgt Ion:153 Resp: 109

Ion	Ratio	Lower	Upper
153	100		
152	83.1	37.8	56.8#

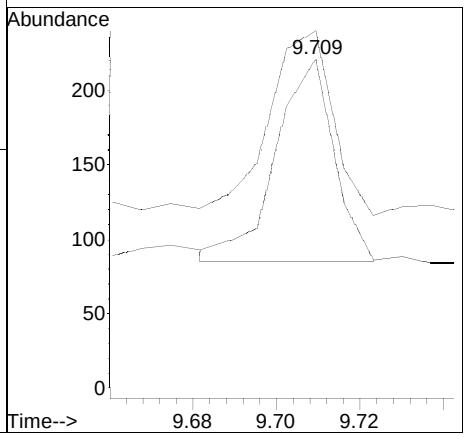


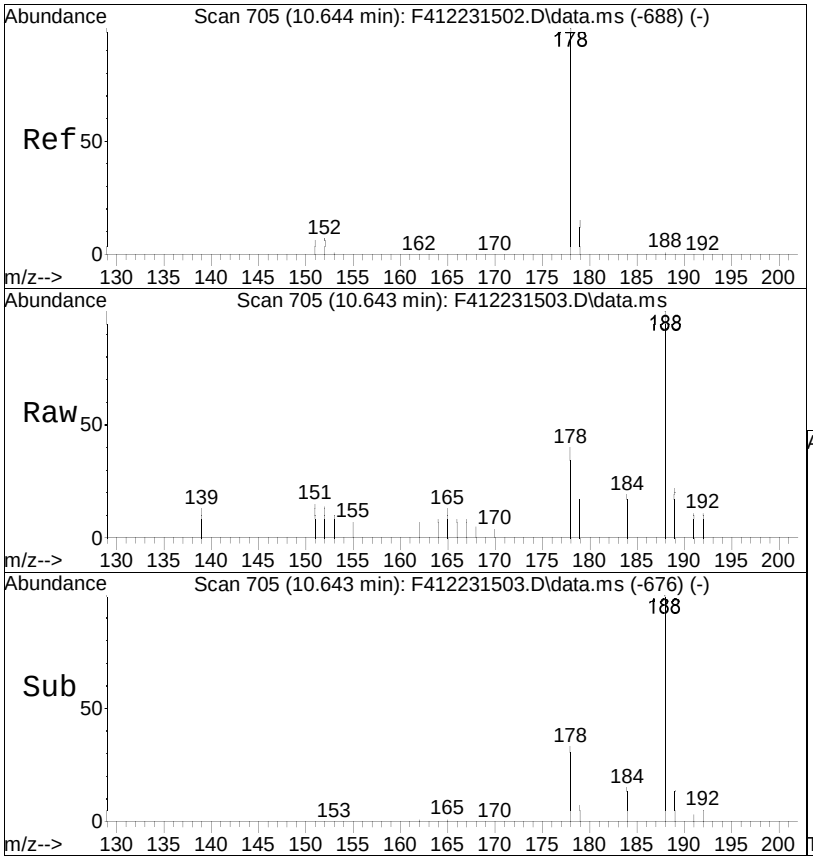


#15
Fluorene
Concen: 0.98 ng/mL M4
RT: 9.709 min Scan# 570
Delta R.T. 0.007 min
Lab File: F412231503.D
Acq: 23 Dec 2015 1:10 pm

Tgt Ion:166 Resp: 131

Ion	Ratio	Lower	Upper
166	100		
165	108.6	73.2	109.8

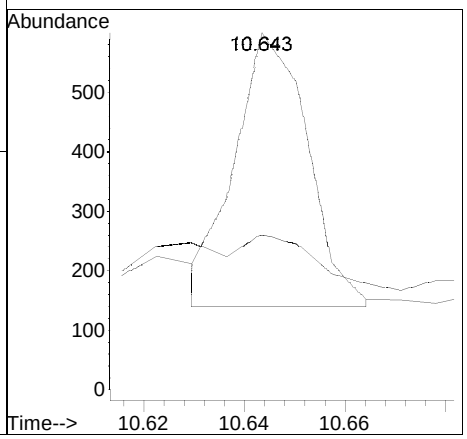


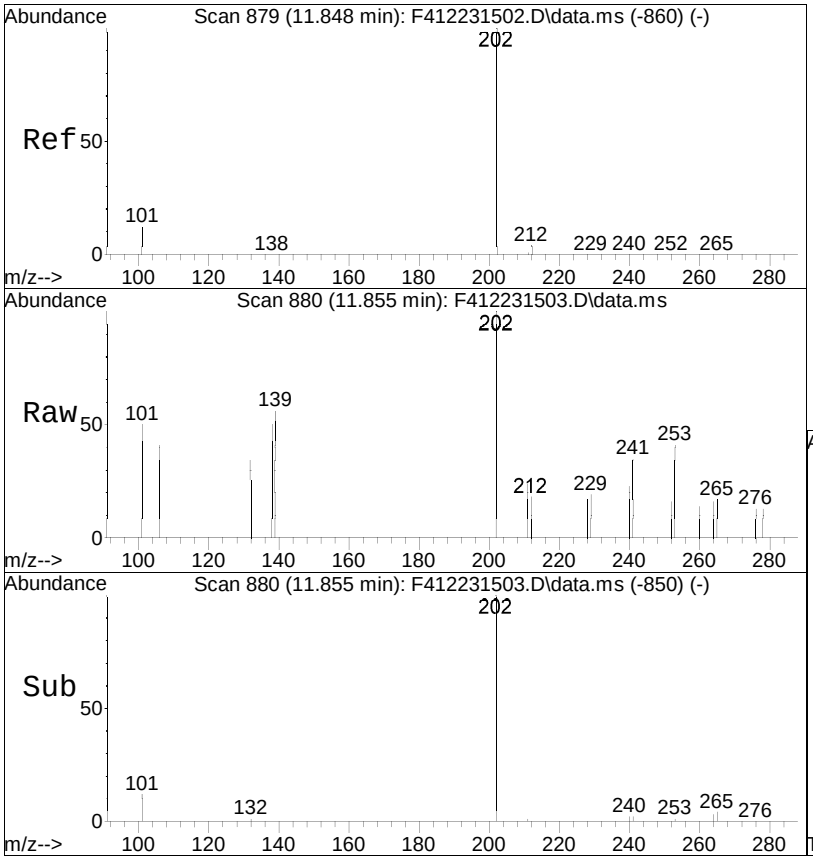


#19
Phenanthrene
Concen: 2.31 ng/mL M4
RT: 10.643 min Scan# 705
Delta R.T. -0.000 min
Lab File: F412231503.D
Acq: 23 Dec 2015 1:10 pm

Tgt Ion:178 Resp: 455

Ion	Ratio	Lower	Upper
178	100		
179	43.5	11.9	17.9#

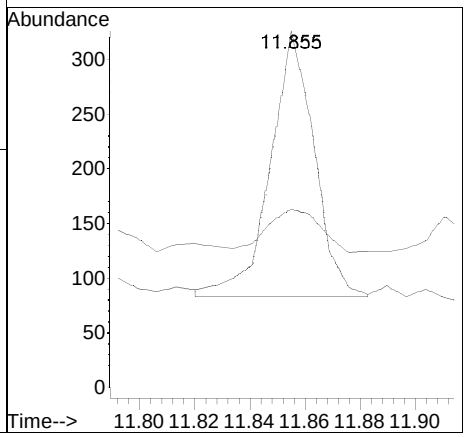


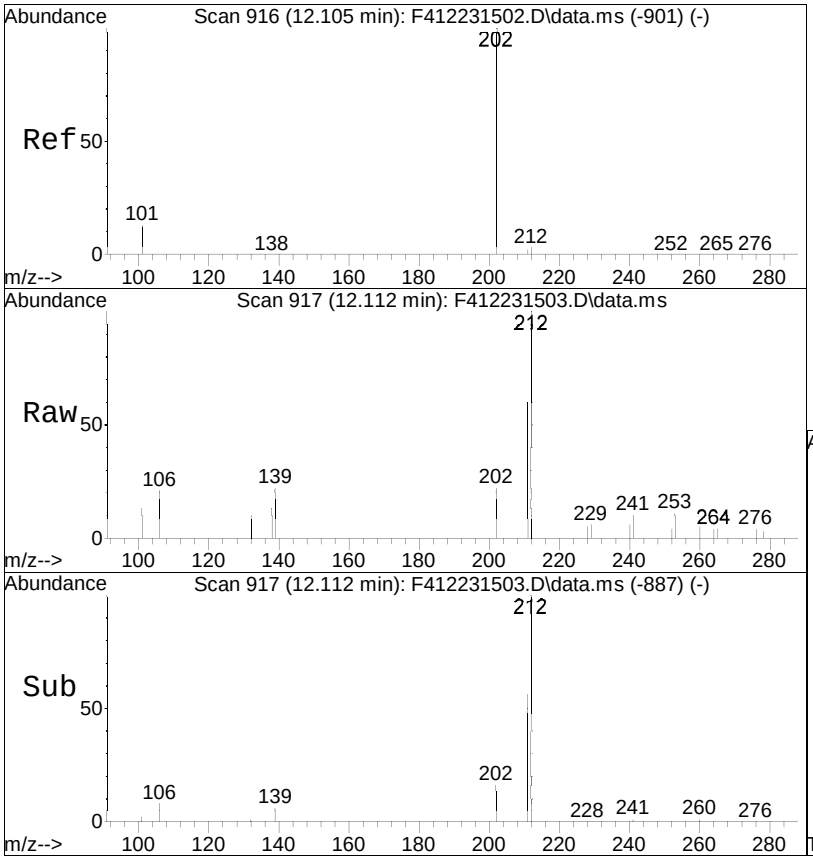


#23
Fluoranthene
Concen: 1.36 ng/mL M4
RT: 11.855 min Scan# 880
Delta R.T. 0.007 min
Lab File: F412231503.D
Acq: 23 Dec 2015 1:10 pm

Tgt Ion:202 Resp: 266

Ion	Ratio	Lower	Upper
202	100		
101	50.0	8.3	12.5#

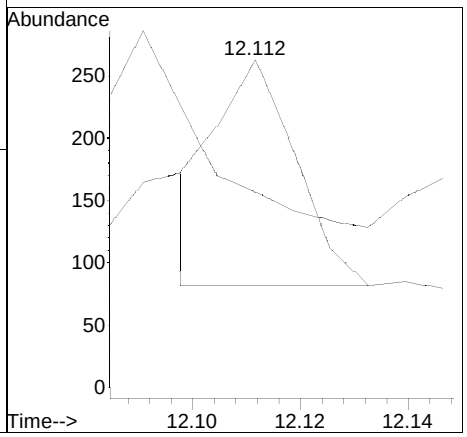


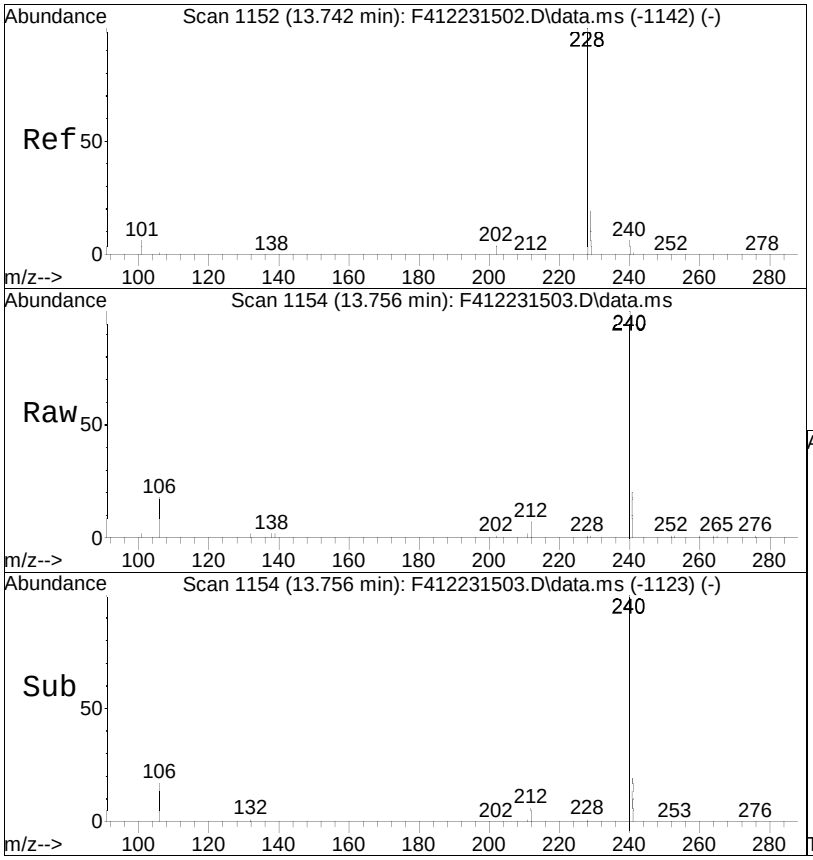


#26
Pyrene
Concen: 0.89 ng/mL M4
RT: 12.112 min Scan# 917
Delta R.T. 0.007 min
Lab File: F412231503.D
Acq: 23 Dec 2015 1:10 pm

Tgt Ion:202 Resp: 189

Ion	Ratio	Lower	Upper
202	100		
101	59.7	10.1	15.1#

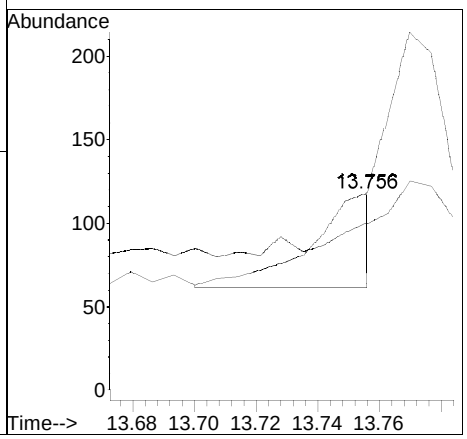


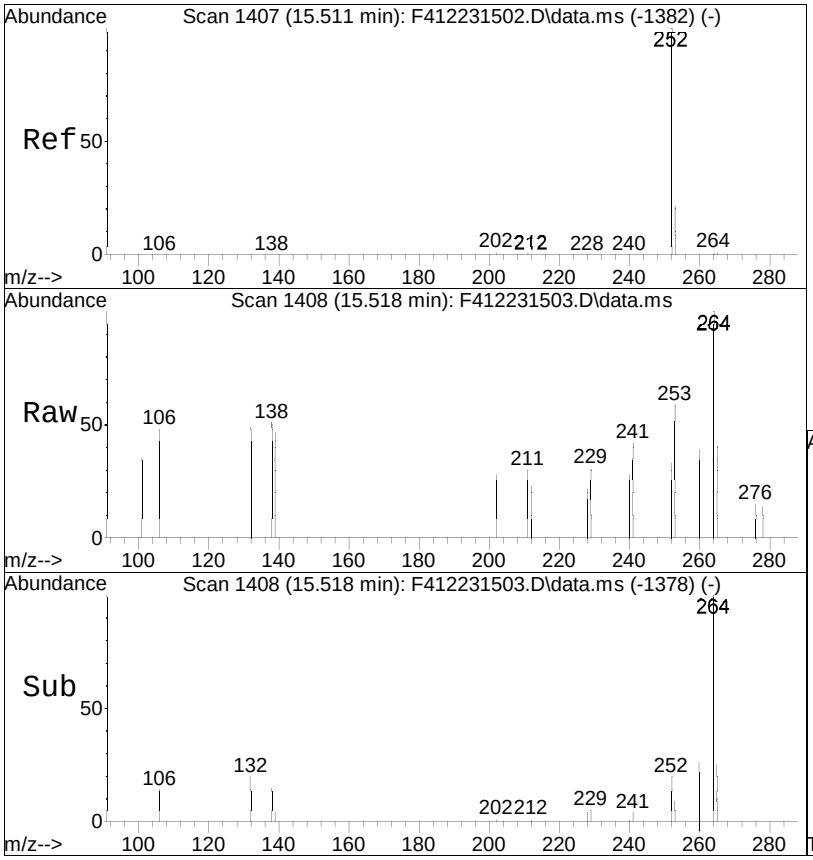


#27
Benz[a]anthracene
Concen: 4.89 ng/mL M4
RT: 13.756 min Scan# 1154
Delta R.T. 0.014 min
Lab File: F412231503.D
Acq: 23 Dec 2015 1:10 pm

Tgt Ion:228 Resp: 80

Ion	Ratio	Lower	Upper
228	100		
229	84.7	15.2	22.8#

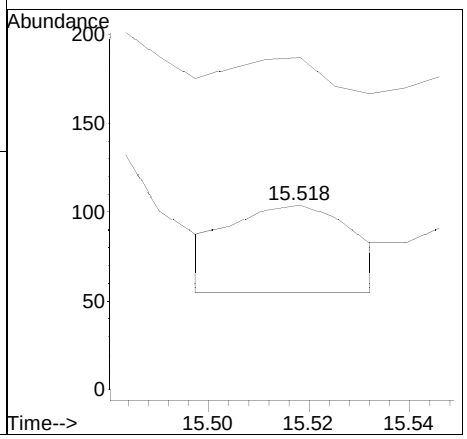


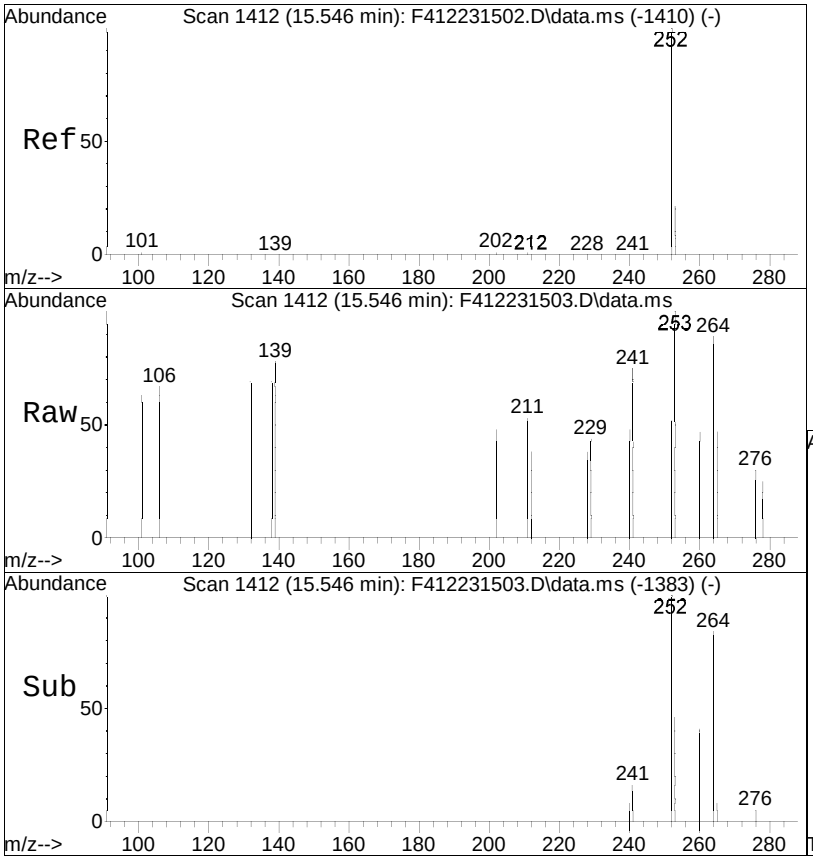


#32
Benzo[b]fluoranthene
Concen: 7.39 ng/mL M4
RT: 15.518 min Scan# 1408
Delta R.T. 0.007 min
Lab File: F412231503.D
Acq: 23 Dec 2015 1:10 pm

Tgt Ion:252 Resp: 84

Ion	Ratio	Lower	Upper
252	100		
253	179.8	17.1	25.7#

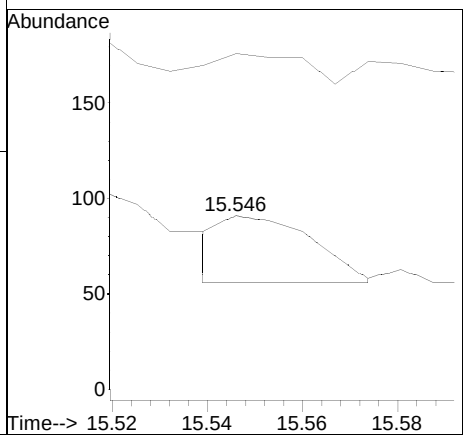


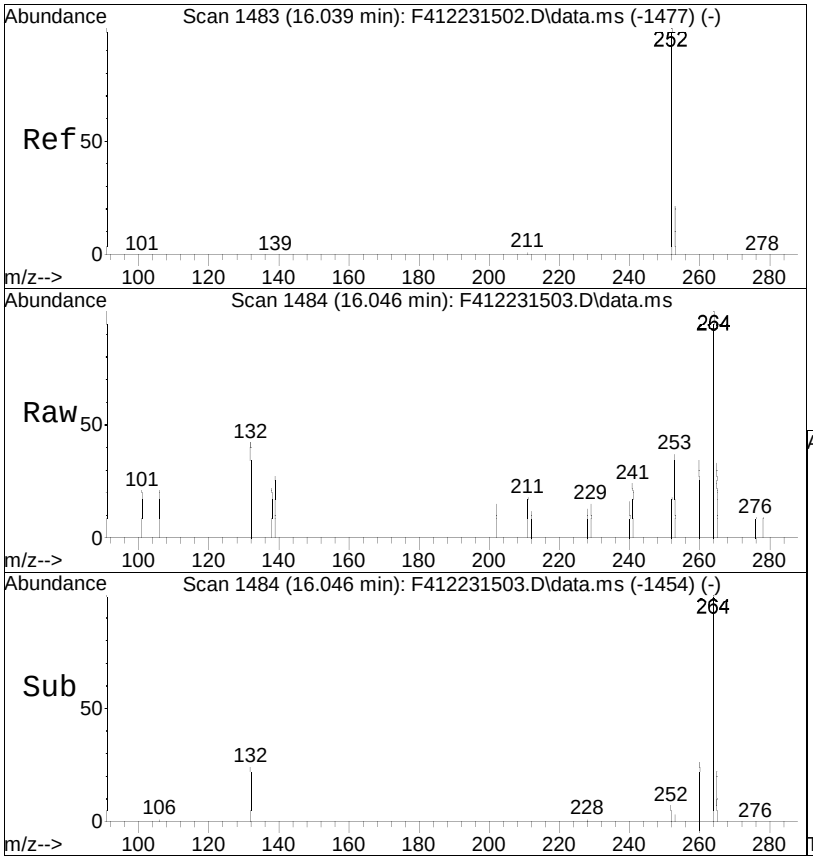


#33
Benzo[k]fluoranthene
Concen: 2.92 ng/mL M4
RT: 15.546 min Scan# 1412
Delta R.T. -0.000 min
Lab File: F412231503.D
Acq: 23 Dec 2015 1:10 pm

Tgt Ion:252 Resp: 46

Ion	Ratio	Lower	Upper
252	100		
253	193.4	17.2	25.8#

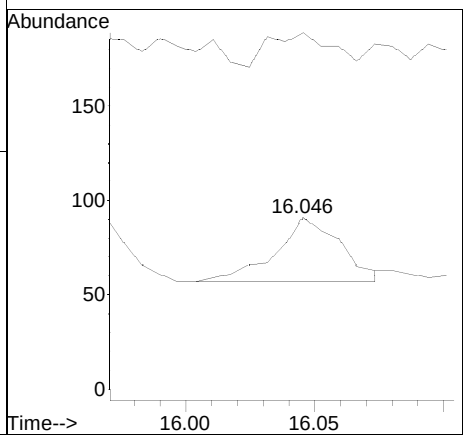


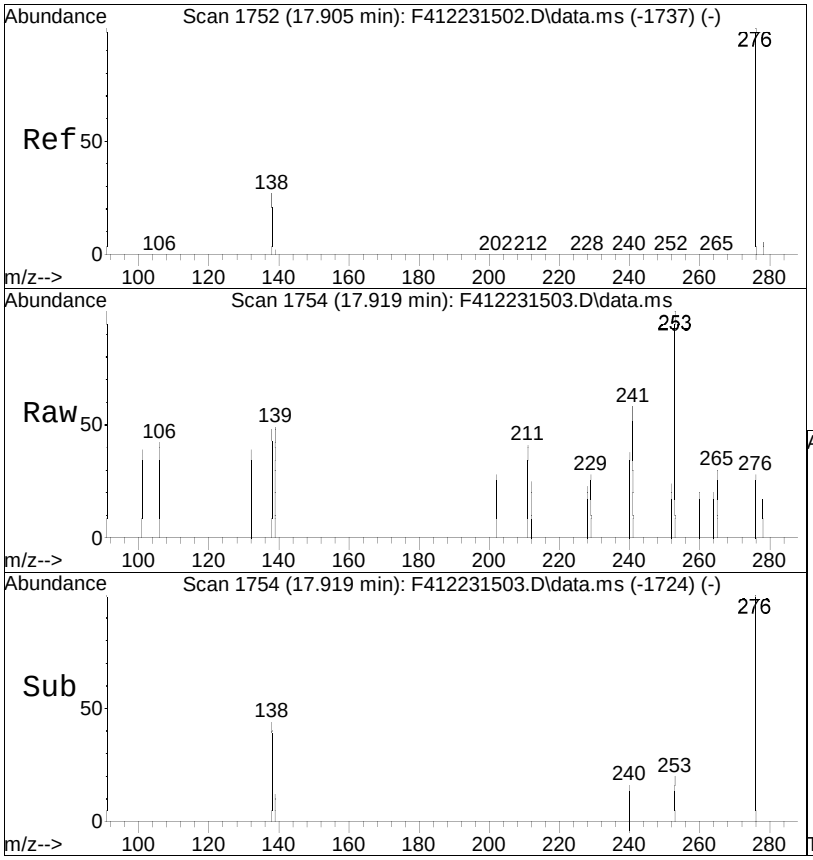


#35
Benzo[a]pyrene
Concen: 6.11 ng/mL M4
RT: 16.046 min Scan# 1484
Delta R.T. 0.007 min
Lab File: F412231503.D
Acq: 23 Dec 2015 1:10 pm

Tgt Ion:252 Resp: 60

Ion	Ratio	Lower	Upper
252	100		
253	207.7	17.3	25.9#

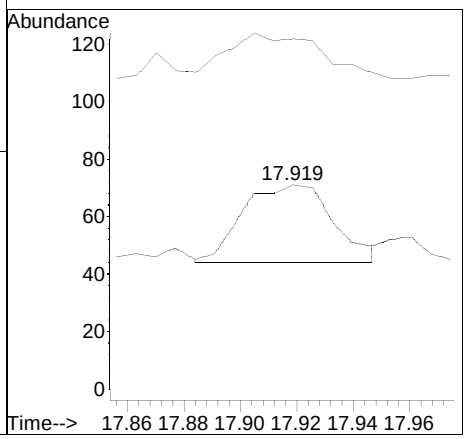


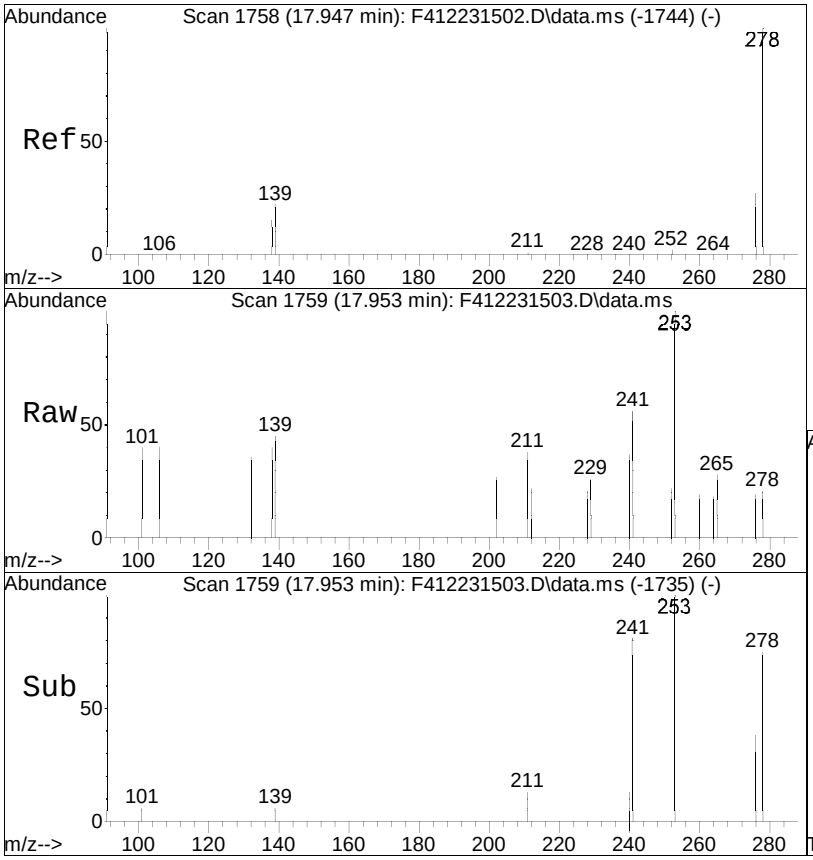


#37
Indeno[1,2,3-cd]pyrene
Concen: 6.53 ng/mL M4
RT: 17.919 min Scan# 1754
Delta R.T. 0.014 min
Lab File: F412231503.D
Acq: 23 Dec 2015 1:10 pm

Tgt Ion:276 Resp: 60

Ion	Ratio	Lower	Upper
276	100		
138	171.8	20.3	30.5#

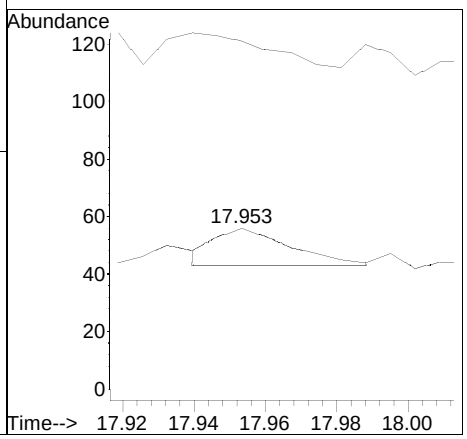


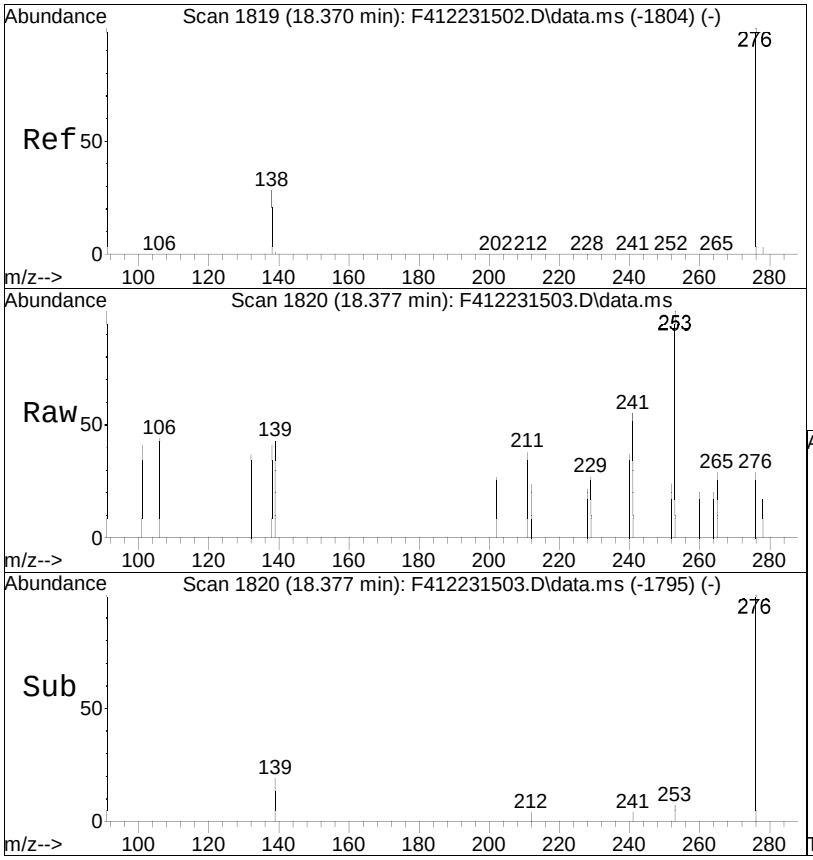


#38
Dibenz[a,h]anthracene
Concen: 5.14 ng/mL M4
RT: 17.953 min Scan# 1759
Delta R.T. 0.007 min
Lab File: F412231503.D
Acq: 23 Dec 2015 1:10 pm

Tgt Ion:278 Resp: 19

Ion	Ratio	Lower	Upper
278	100		
139	216.1	16.3	24.5#

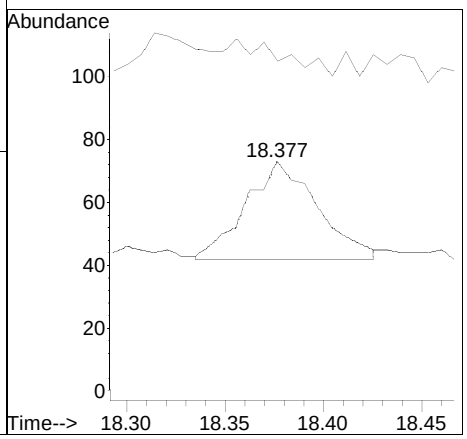




#39
Benzo[g,h,i]perylene
Concen: 5.24 ng/mL M4
RT: 18.377 min Scan# 1820
Delta R.T. 0.007 min
Lab File: F412231503.D
Acq: 23 Dec 2015 1:10 pm

Tgt Ion:276 Resp: 78

Ion	Ratio	Lower	Upper
276	100		
138	143.8	20.2	30.4#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC23\
Data File : F412231504.D
Acq On : 23 Dec 2015 1:40 pm
Operator : BNA4:SF
Sample : L1533592-11
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 29 09:59:39 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC23\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Mon Dec 28 12:14:41 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.425	136	101036	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.184	164	49685	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.623	188	95139	500.000	ng/mL	0.00
24) Chrysene-d12	13.770	240	76508M4	500.000	ng/mL	0.00
29) Perylene-d12	16.136	264	67100M4	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.101	152	39971	365.410	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 7.31%#			
25) Pyrene-d10	12.091	212	60761M4	409.266	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.19%#			
31) Benzo[b]fluoranthene-d12	15.470	264	43182M4	393.112	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 7.86%#			
Target Compounds						Qvalue
2) Naphthalene	7.447	128	1288M4	6.046	ng/mL	
5) 2-Methylnaphthalene	8.138	142	227M4	1.699	ng/mL	
12) Acenaphthylene	9.032	152	123M4	0.621	ng/mL	
13) Acenaphthene	9.206	153	111M4	0.823	ng/mL	
15) Fluorene	9.702	166	177M4	1.219	ng/mL	
19) Phenanthrene	10.643	178	592M4	2.828	ng/mL	
20) Anthracene	10.685	178	62	N.D.		
23) Fluoranthene	11.855	202	319M4	1.533	ng/mL	
26) Pyrene	12.105	202	181M4	0.792	ng/mL	
27) Benz[a]anthracene	0.000		0	N.D.	d	
28) Chrysene	13.805	228	79	N.D.		
32) Benzo[b]fluoranthene	15.511	252	89M4	7.380	ng/mL	
33) Benzo[k]fluoranthene	15.532	252	61M4	2.997	ng/mL	
35) Benzo[a]pyrene	16.039	252	60M4	6.083	ng/mL	
37) Indeno[1,2,3-cd]pyrene	17.905	276	60M4	6.499	ng/mL	
38) Dibenz[a,h]anthracene	0.000		0	N.D.	d	
39) Benzo[g,h,i]perylene	18.363	276	65M4	5.122	ng/mL	

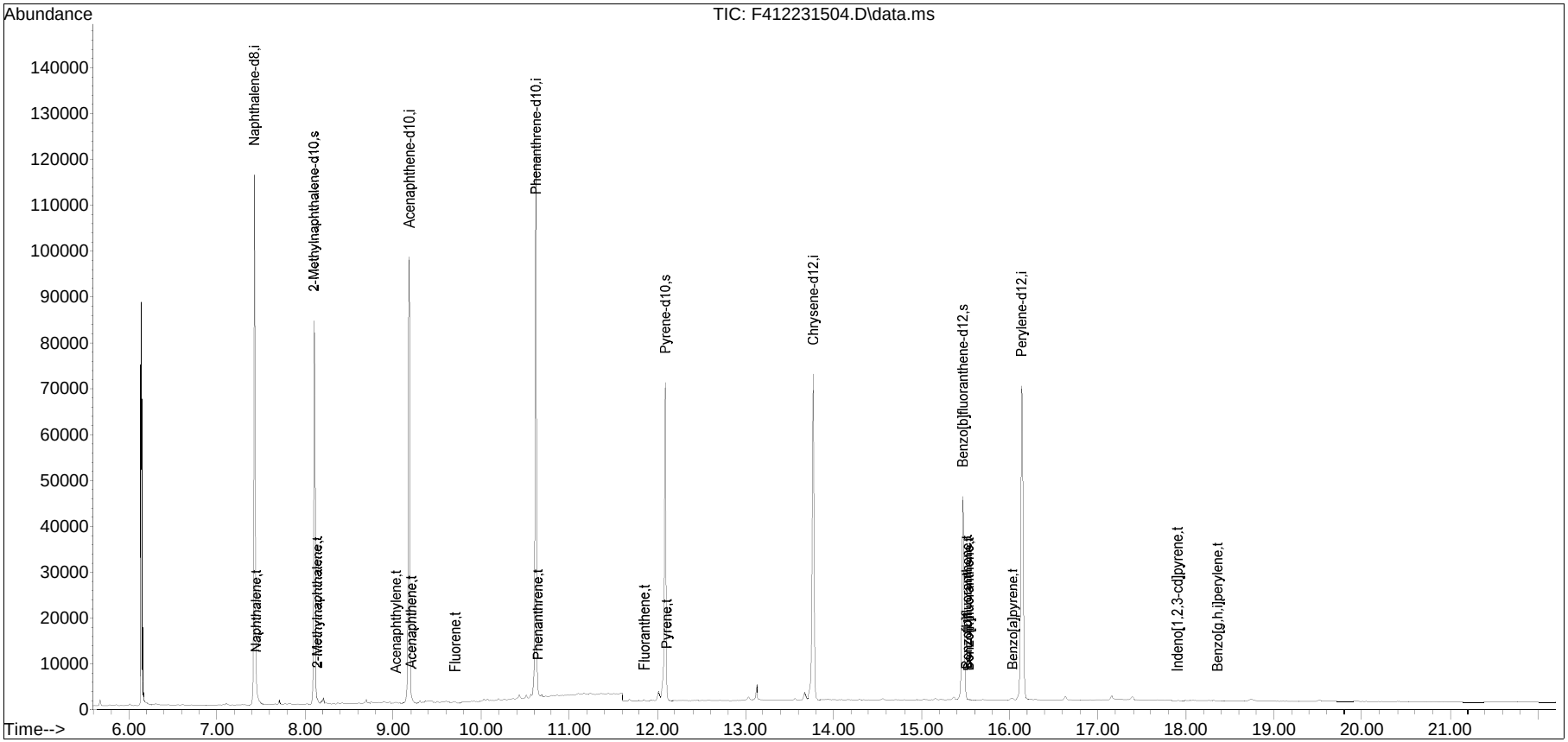
(#) = qualifier out of range (m) = manual integration (+) = signals summed

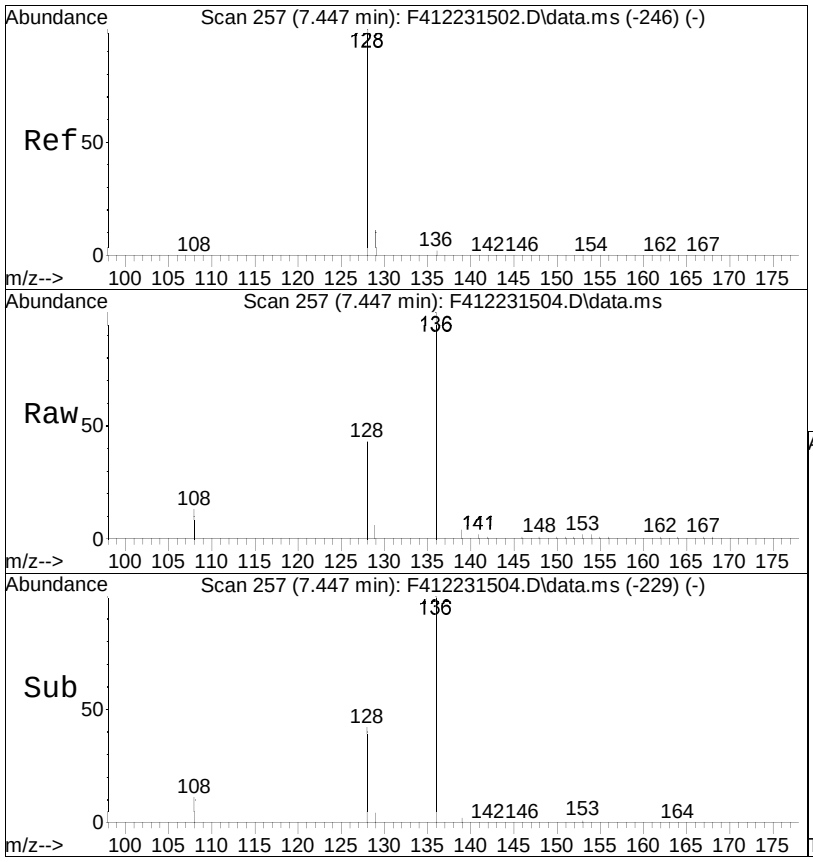
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC23\
Data File : F412231504.D
Acq On : 23 Dec 2015 1:40 pm
Operator : BNA4:SF
Sample : L1533592-11
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 29 09:59:39 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC23\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Mon Dec 28 12:14:41 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

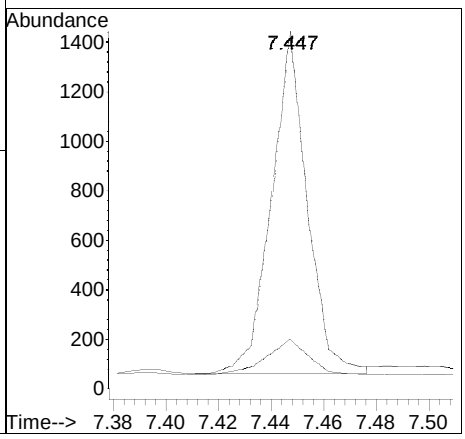


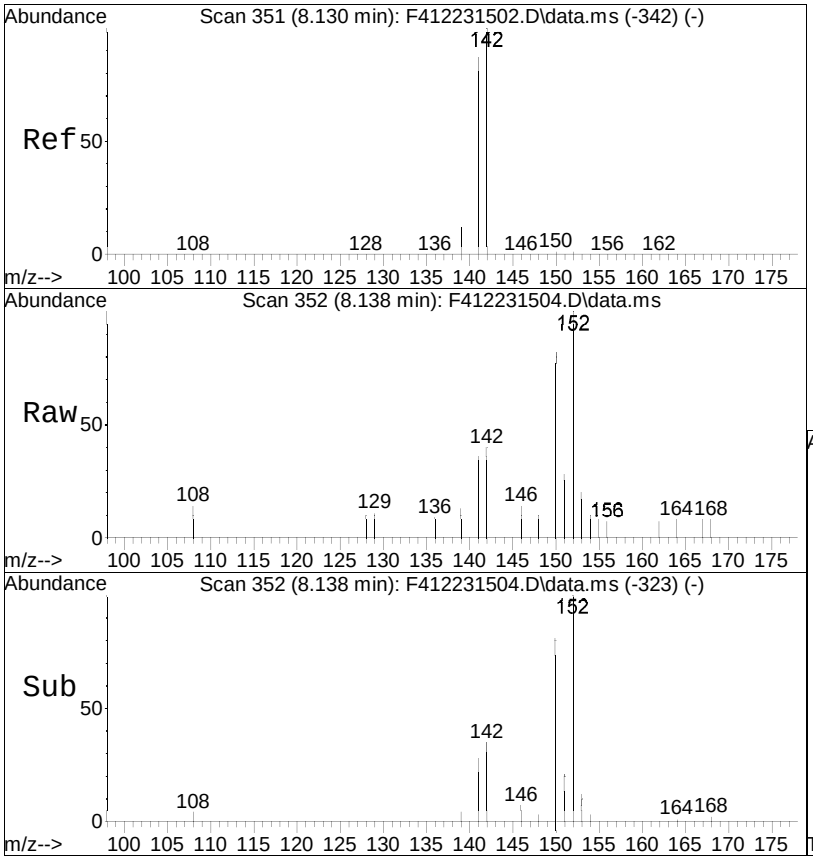


#2
Naphthalene
Concen: 6.05 ng/mL M4
RT: 7.447 min Scan# 257
Delta R.T. -0.000 min
Lab File: F412231504.D
Acq: 23 Dec 2015 1:40 pm

Tgt Ion:128 Resp: 1288

Ion	Ratio	Lower	Upper
128	100		
129	13.9	8.7	13.1#

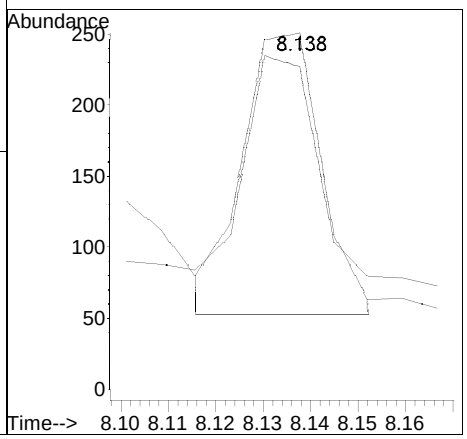


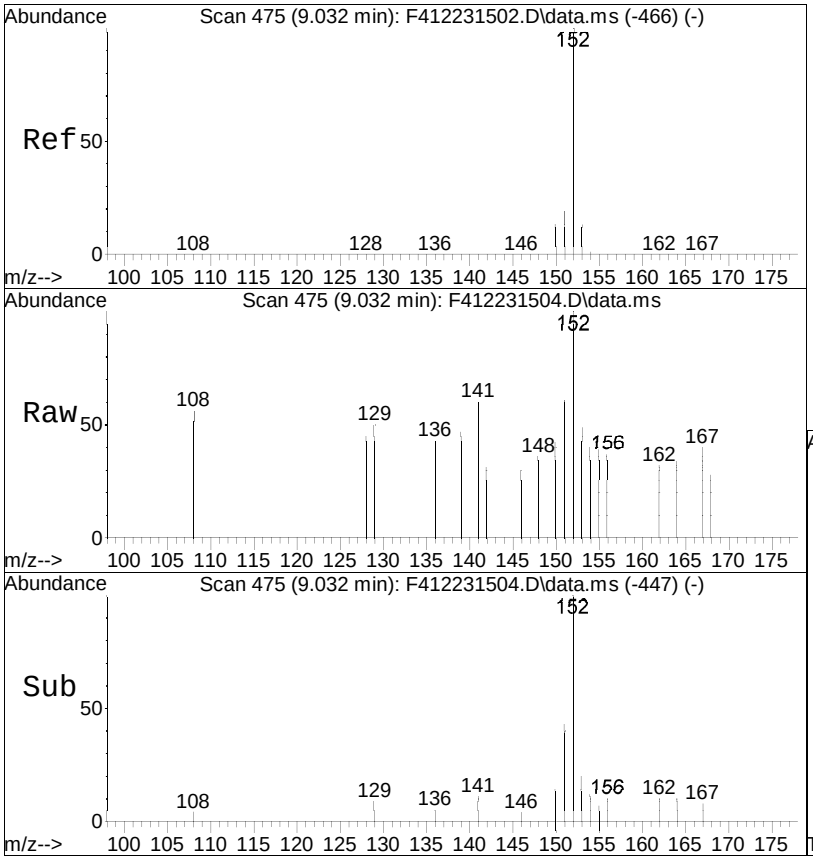


#5
2-Methylnaphthalene
Concen: 1.70 ng/mL M4
RT: 8.138 min Scan# 352
Delta R.T. 0.007 min
Lab File: F412231504.D
Acq: 23 Dec 2015 1:40 pm

Tgt Ion:142 Resp: 227

Ion	Ratio	Lower	Upper
142	100		
141	90.4	68.8	103.2

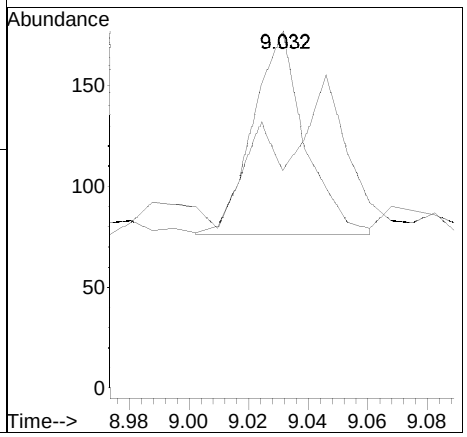


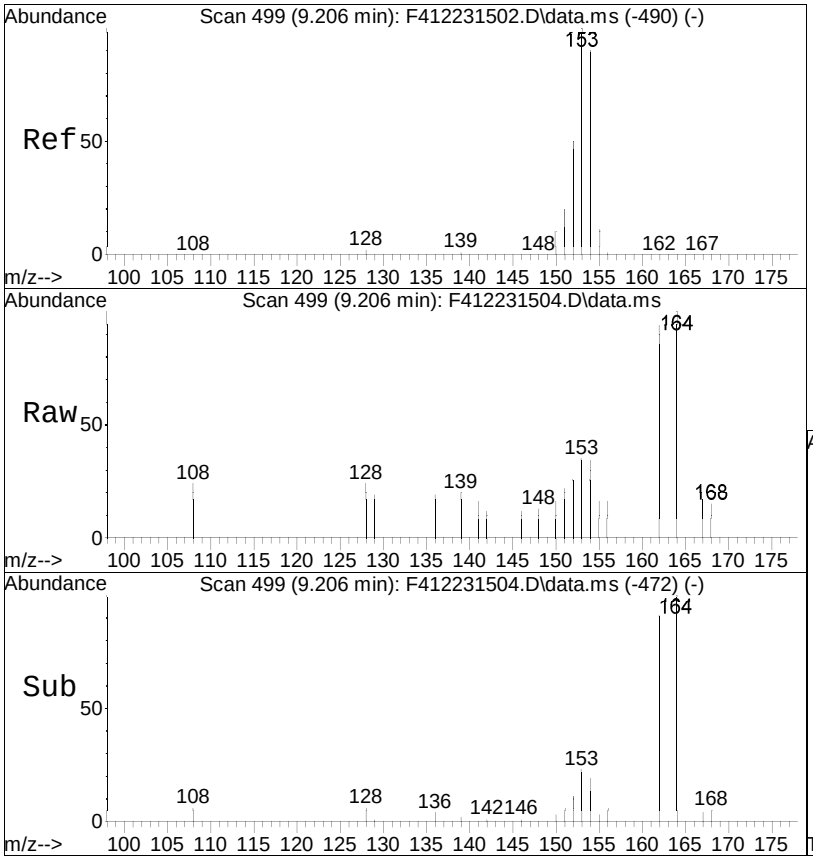


#12
Acenaphthylene
Concen: 0.62 ng/mL M4
RT: 9.032 min Scan# 475
Delta R.T. -0.000 min
Lab File: F412231504.D
Acq: 23 Dec 2015 1:40 pm

Tgt Ion:152 Resp: 123

Ion	Ratio	Lower	Upper
152	100		
151	61.0	15.4	23.0#

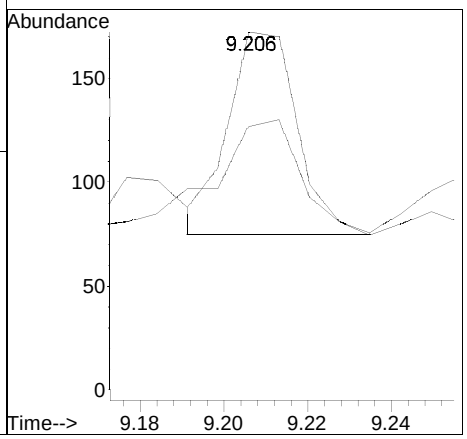


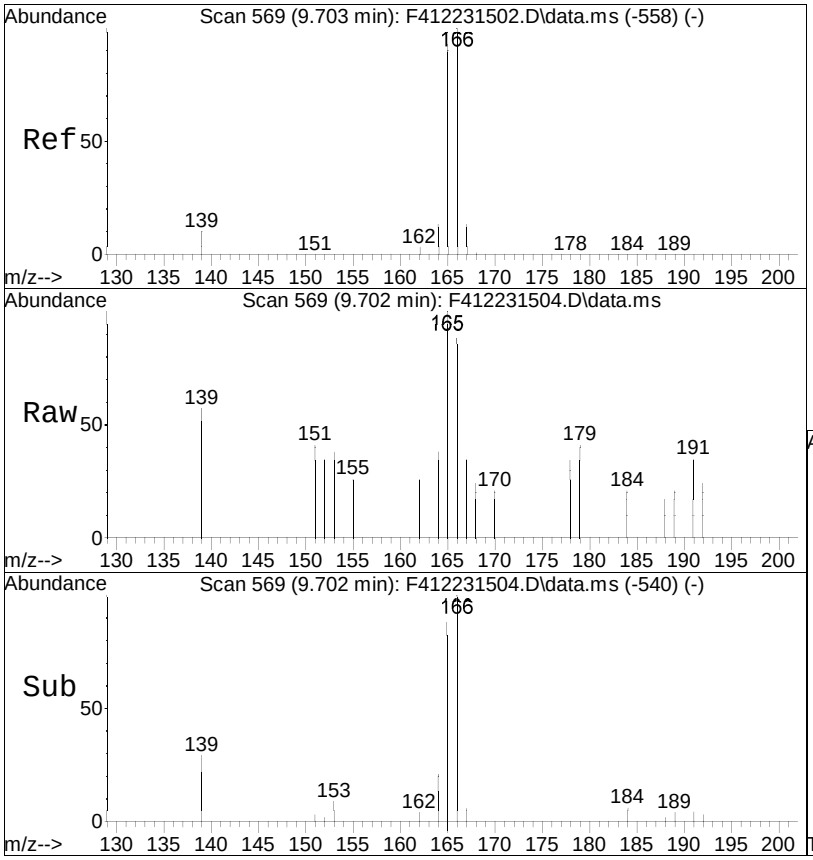


#13
Acenaphthene
Concen: 0.82 ng/mL M4
RT: 9.206 min Scan# 499
Delta R.T. -0.000 min
Lab File: F412231504.D
Acq: 23 Dec 2015 1:40 pm

Tgt Ion:153 Resp: 111

Ion	Ratio	Lower	Upper
153	100		
152	73.8	37.8	56.8#

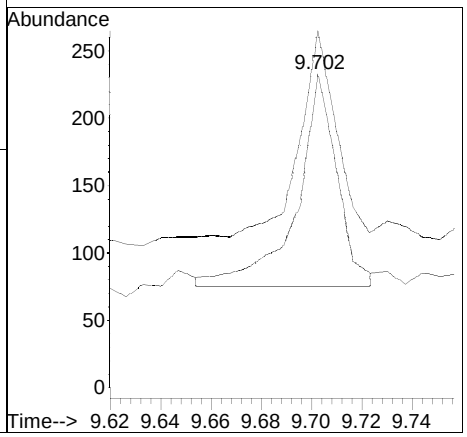


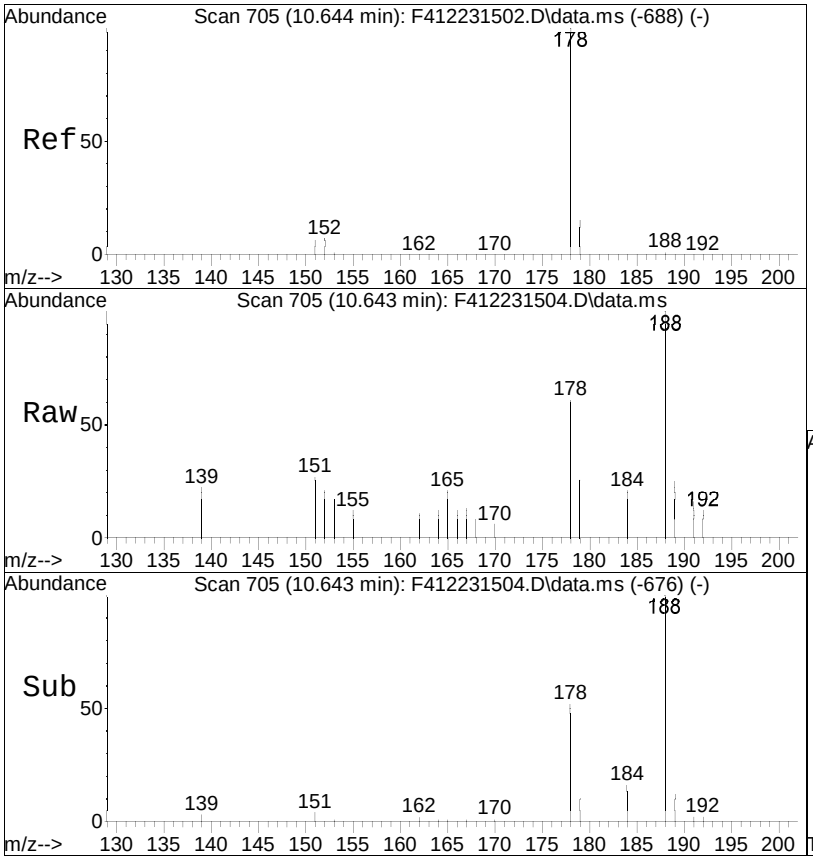


#15
Fluorene
Concen: 1.22 ng/mL M4
RT: 9.702 min Scan# 569
Delta R.T. -0.000 min
Lab File: F412231504.D
Acq: 23 Dec 2015 1:40 pm

Tgt Ion:166 Resp: 177

Ion	Ratio	Lower	Upper
166	100		
165	113.7	73.2	109.8#

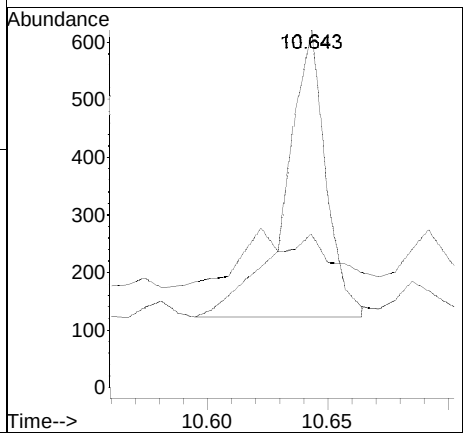


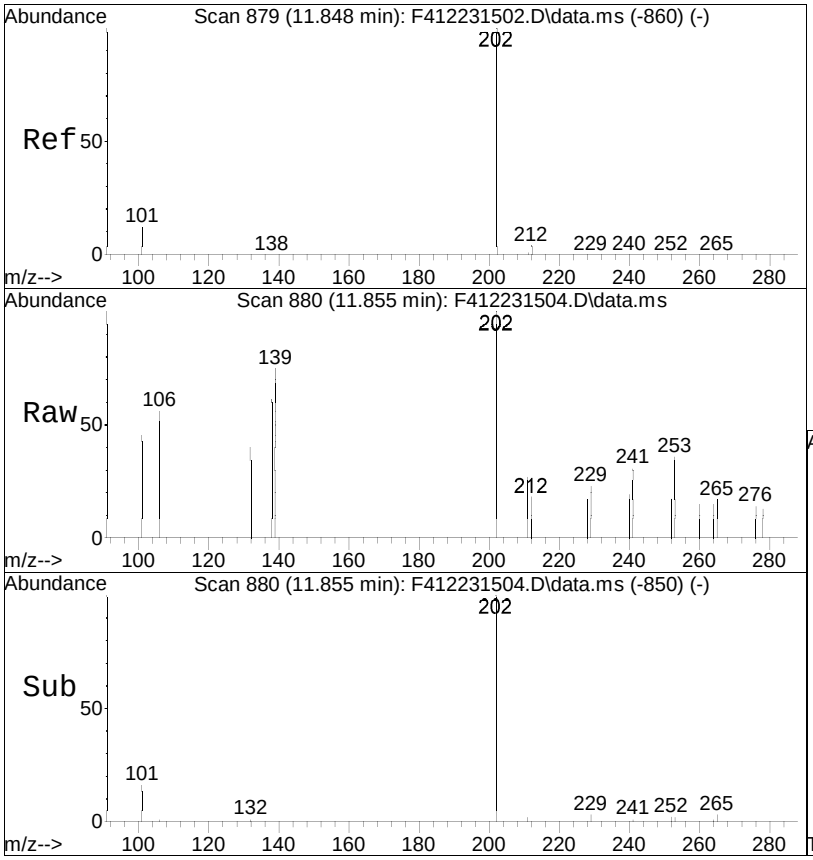


#19
Phenanthrene
Concen: 2.83 ng/mL M4
RT: 10.643 min Scan# 705
Delta R.T. -0.000 min
Lab File: F412231504.D
Acq: 23 Dec 2015 1:40 pm

Tgt Ion:178 Resp: 592

Ion	Ratio	Lower	Upper
178	100		
179	43.1	11.9	17.9#

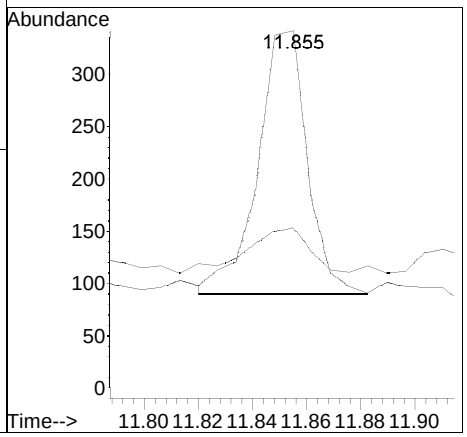


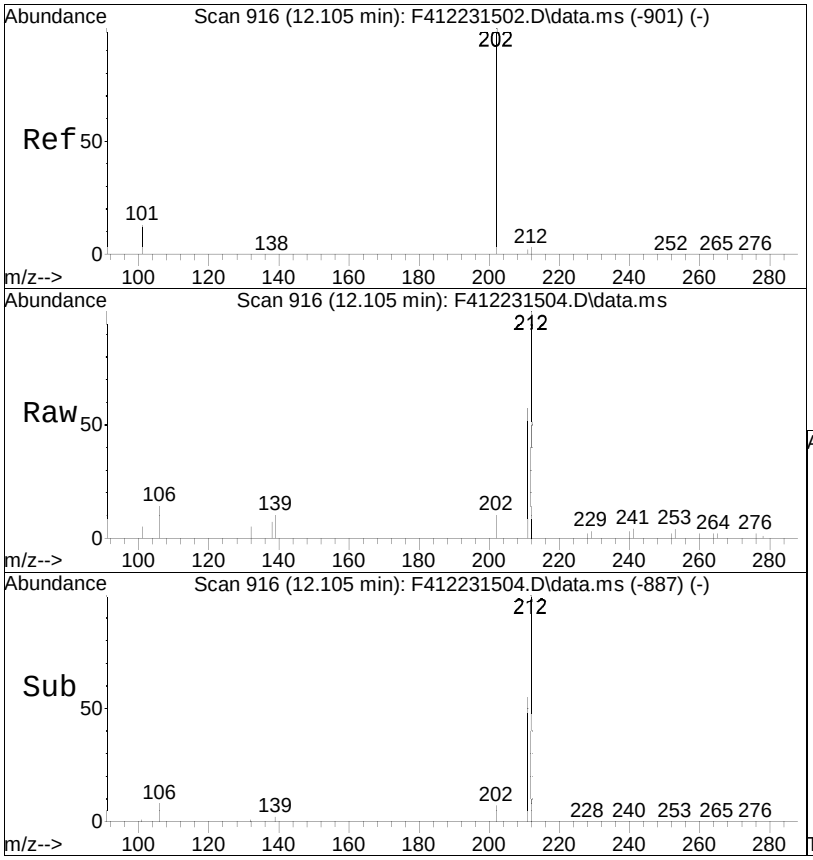


#23
Fluoranthene
Concen: 1.53 ng/mL M4
RT: 11.855 min Scan# 880
Delta R.T. 0.007 min
Lab File: F412231504.D
Acq: 23 Dec 2015 1:40 pm

Tgt Ion:202 Resp: 319

Ion	Ratio	Lower	Upper
202	100		
101	45.0	8.3	12.5#

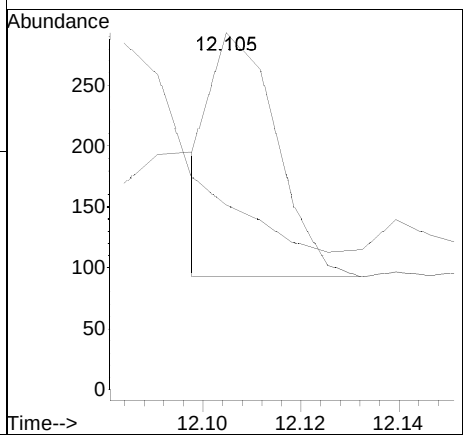


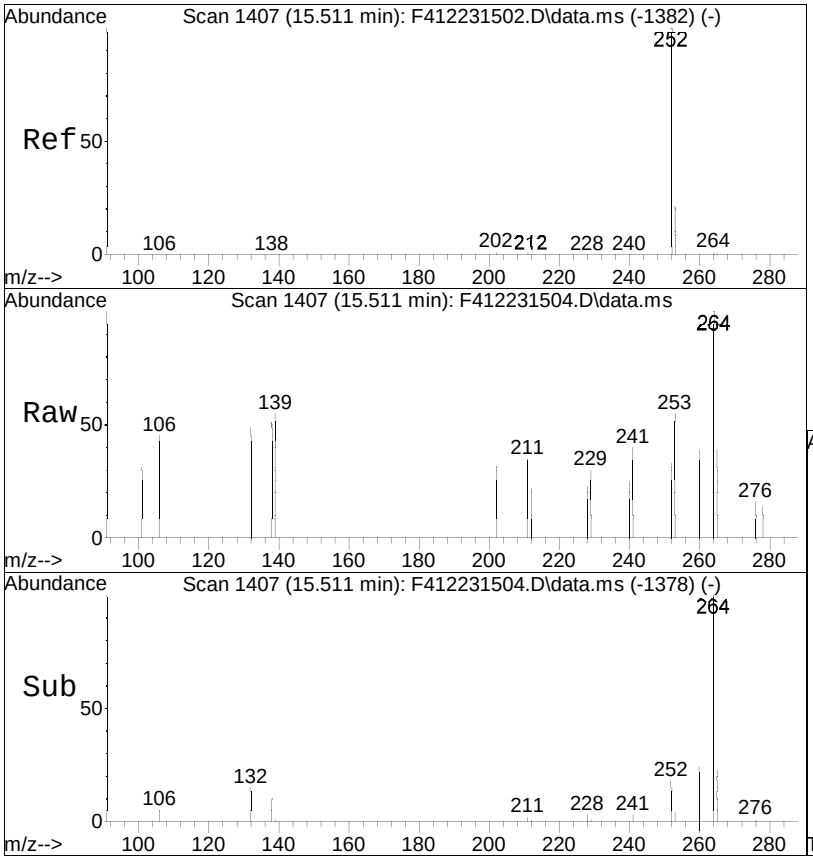


#26
Pyrene
Concen: 0.79 ng/mL M4
RT: 12.105 min Scan# 916
Delta R.T. -0.000 min
Lab File: F412231504.D
Acq: 23 Dec 2015 1:40 pm

Tgt Ion:202 Resp: 181

Ion	Ratio	Lower	Upper
202	100		
101	51.9	10.1	15.1#

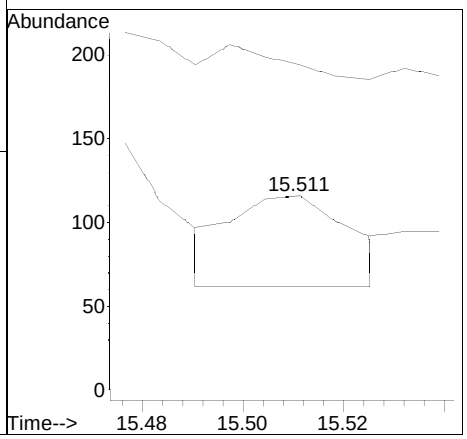


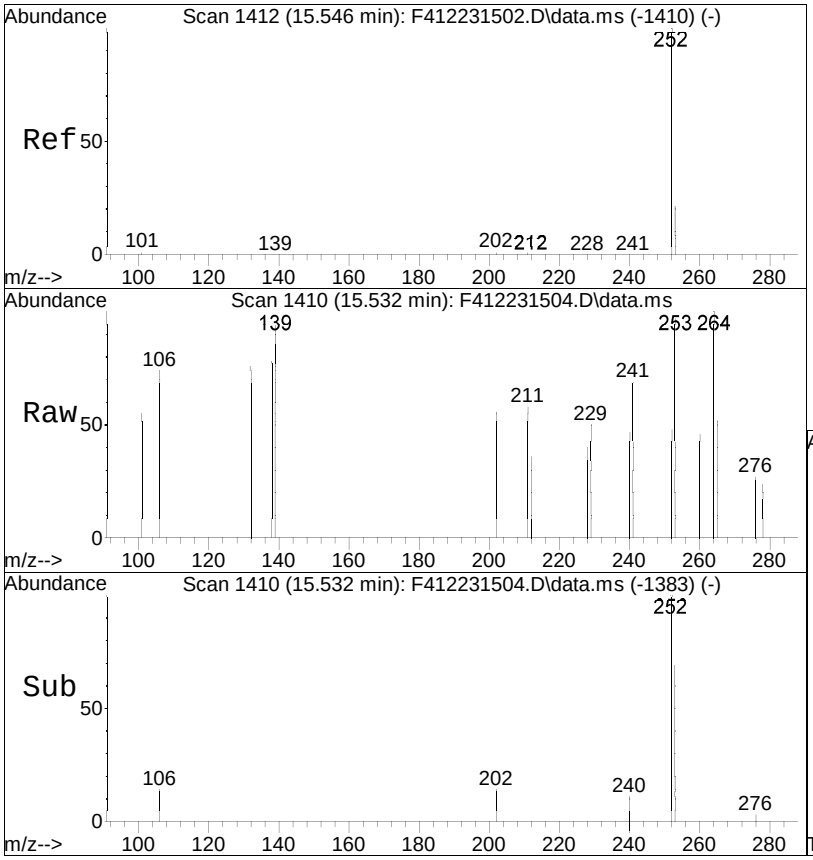


#32
Benzo[b]fluoranthene
Concen: 7.38 ng/mL M4
RT: 15.511 min Scan# 1407
Delta R.T. -0.000 min
Lab File: F412231504.D
Acq: 23 Dec 2015 1:40 pm

Tgt Ion:252 Resp: 89

Ion	Ratio	Lower	Upper
252	100		
253	167.2	17.1	25.7#

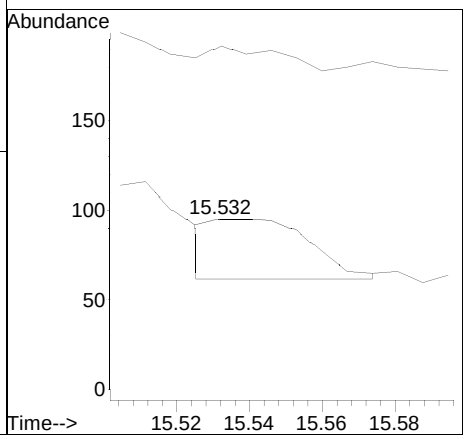


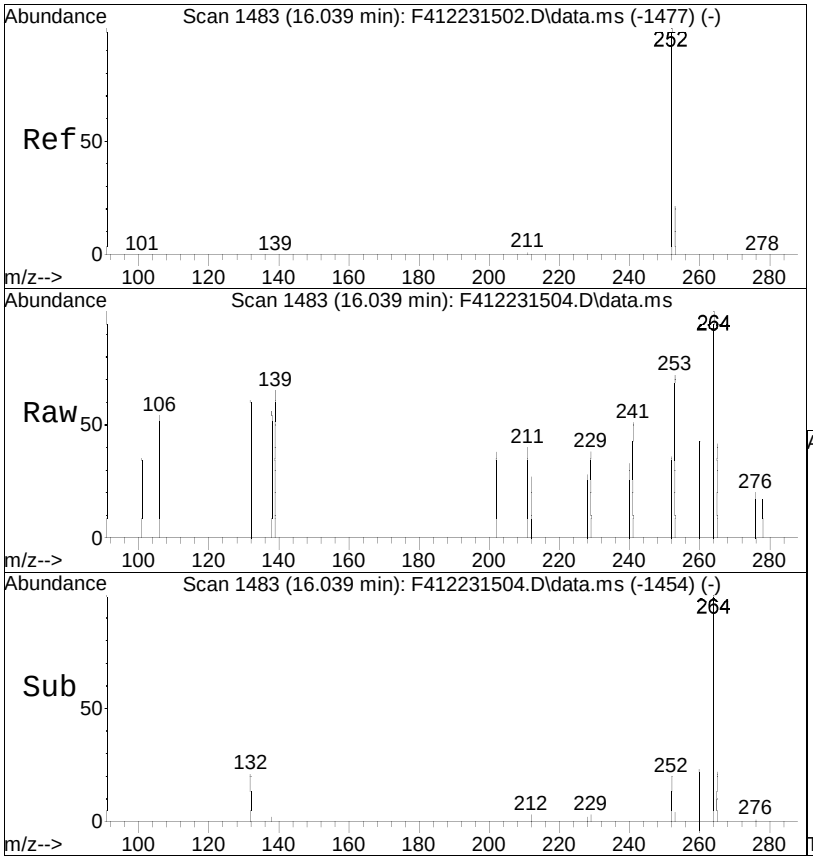


#33
Benzo[k]fluoranthene
Concen: 3.00 ng/mL M4
RT: 15.532 min Scan# 1410
Delta R.T. -0.014 min
Lab File: F412231504.D
Acq: 23 Dec 2015 1:40 pm

Tgt Ion:252 Resp: 61

Ion	Ratio	Lower	Upper
252	100		
253	202.1	17.2	25.8#

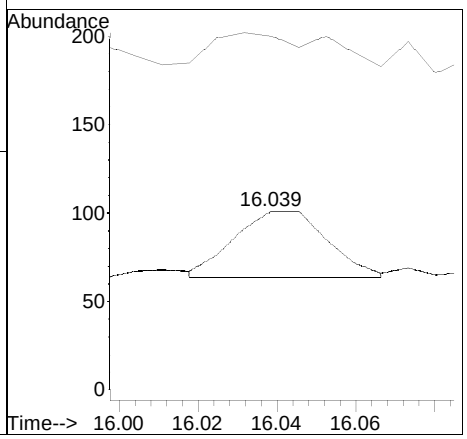


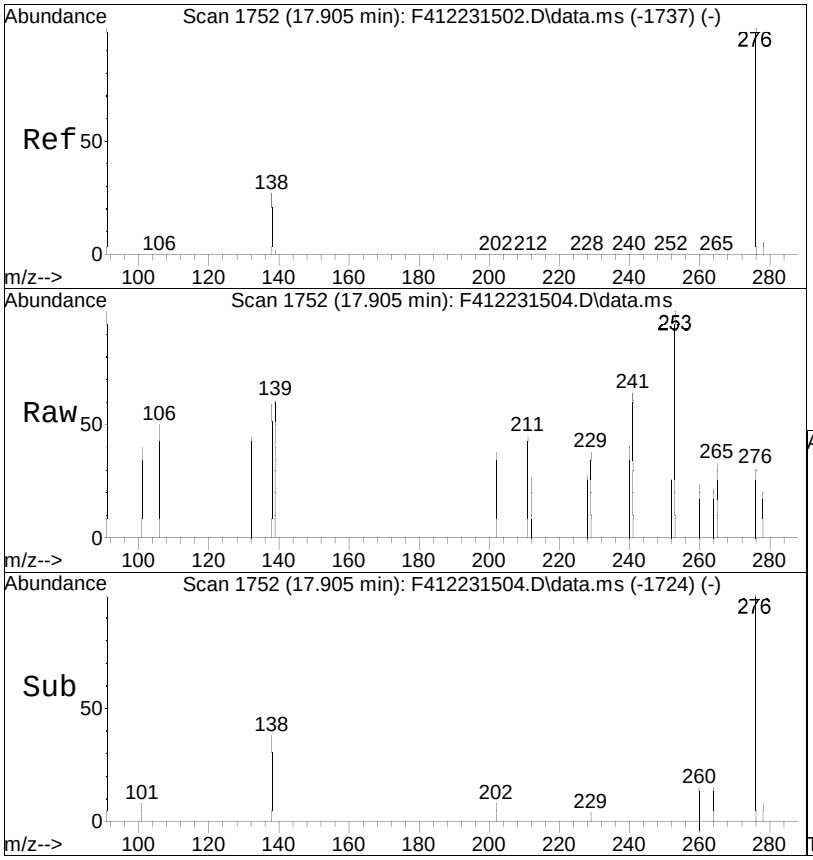


#35
Benzo[a]pyrene
Concen: 6.08 ng/mL M4
RT: 16.039 min Scan# 1483
Delta R.T. -0.000 min
Lab File: F412231504.D
Acq: 23 Dec 2015 1:40 pm

Tgt Ion:252 Resp: 60

Ion	Ratio	Lower	Upper
252	100		
253	198.0	17.3	25.9#

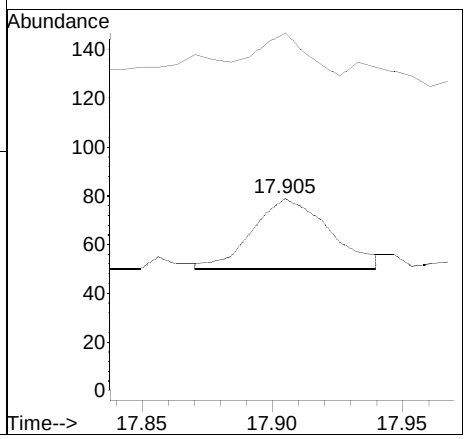


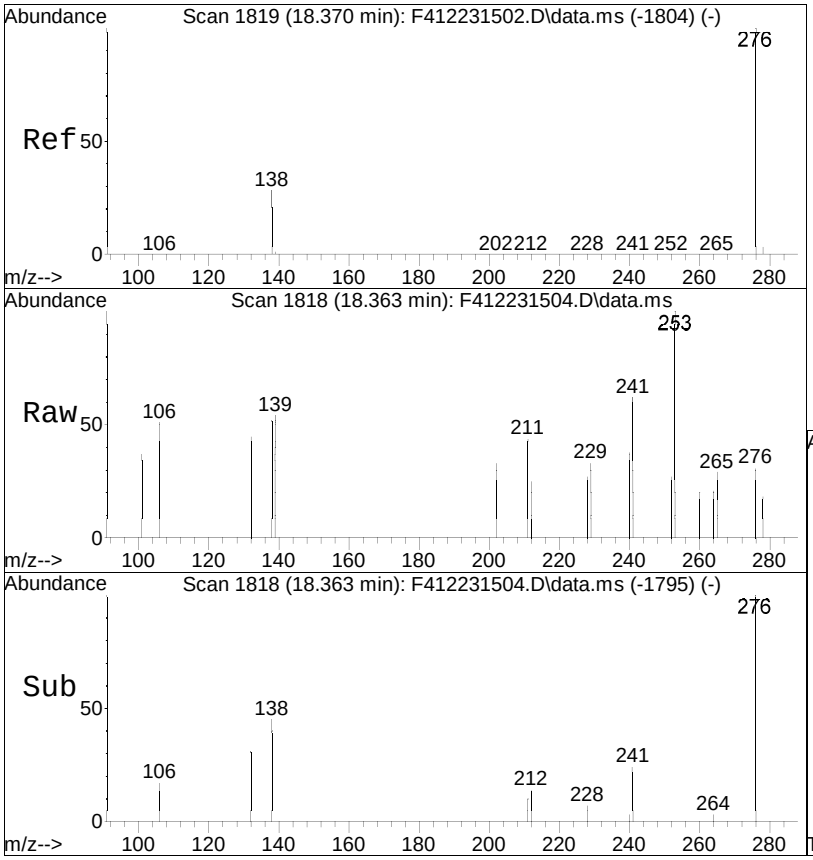


#37
Indeno[1,2,3-cd]pyrene
Concen: 6.50 ng/mL M4
RT: 17.905 min Scan# 1752
Delta R.T. -0.000 min
Lab File: F412231504.D
Acq: 23 Dec 2015 1:40 pm

Tgt Ion:276 Resp: 60

Ion	Ratio	Lower	Upper
276	100		
138	186.1	20.3	30.5#

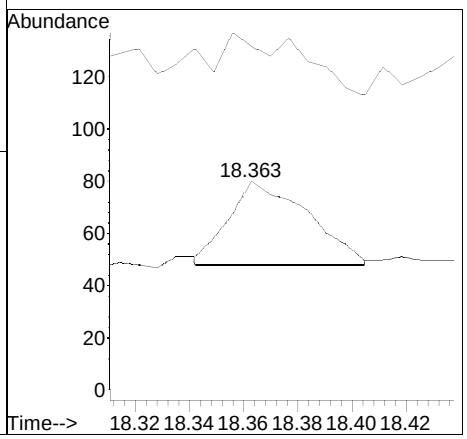




#39
Benzo[g,h,i]perylene
Concen: 5.12 ng/mL M4
RT: 18.363 min Scan# 1818
Delta R.T. -0.007 min
Lab File: F412231504.D
Acq: 23 Dec 2015 1:40 pm

Tgt Ion:276 Resp: 65

Ion	Ratio	Lower	Upper
276	100		
138	165.0	20.2	30.4#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC23\
Data File : F412231505.D
Acq On : 23 Dec 2015 2:11 pm
Operator : BNA4:SF
Sample : L1533592-12
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jan 12 12:55:35 2016
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC23\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Mon Dec 28 12:14:41 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.425	136	88481	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.184	164	43469	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.623	188	85171	500.000	ng/mL	0.00
24) Chrysene-d12	13.763	240	68886	500.000	ng/mL	0.00
29) Perylene-d12	16.136	264	59443	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.101	152	34703	362.266	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 7.25%#			
25) Pyrene-d10	12.084	212	55483	415.065	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.30%#			
31) Benzo[b]fluoranthene-d12	15.470	264	41244	423.835	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.48%#			
Target Compounds						Qvalue
2) Naphthalene	7.447	128	1054M4	5.650	ng/mL	
5) 2-Methylnaphthalene	8.130	142	243M4	2.076	ng/mL	
12) Acenaphthylene	9.031	152	41	N.D.		
13) Acenaphthene	9.213	153	52	N.D.		
15) Fluorene	9.702	166	105M4	0.826	ng/mL	
19) Phenanthrene	10.643	178	345M4	1.841	ng/mL	
20) Anthracene	10.685	178	31	N.D.		
23) Fluoranthene	11.855	202	129M4	0.693	ng/mL	
26) Pyrene	12.105	202	92	N.D.		
27) Benz[a]anthracene	0.000		0	N.D.	d	
28) Chrysene	13.805	228	33	N.D.		
32) Benzo[b]fluoranthene	15.504	252	41M4	7.157	ng/mL	
33) Benzo[k]fluoranthene	15.546	252	27	2.798	ng/mL#	1
35) Benzo[a]pyrene	16.039	252	27M4	5.909	ng/mL	
37) Indeno[1,2,3-cd]pyrene	17.905	276	32M4	6.339	ng/mL	
38) Dibenz[a,h]anthracene	0.000		0	N.D.	d	
39) Benzo[g,h,i]perylene	18.363	276	27M4	4.906	ng/mL	

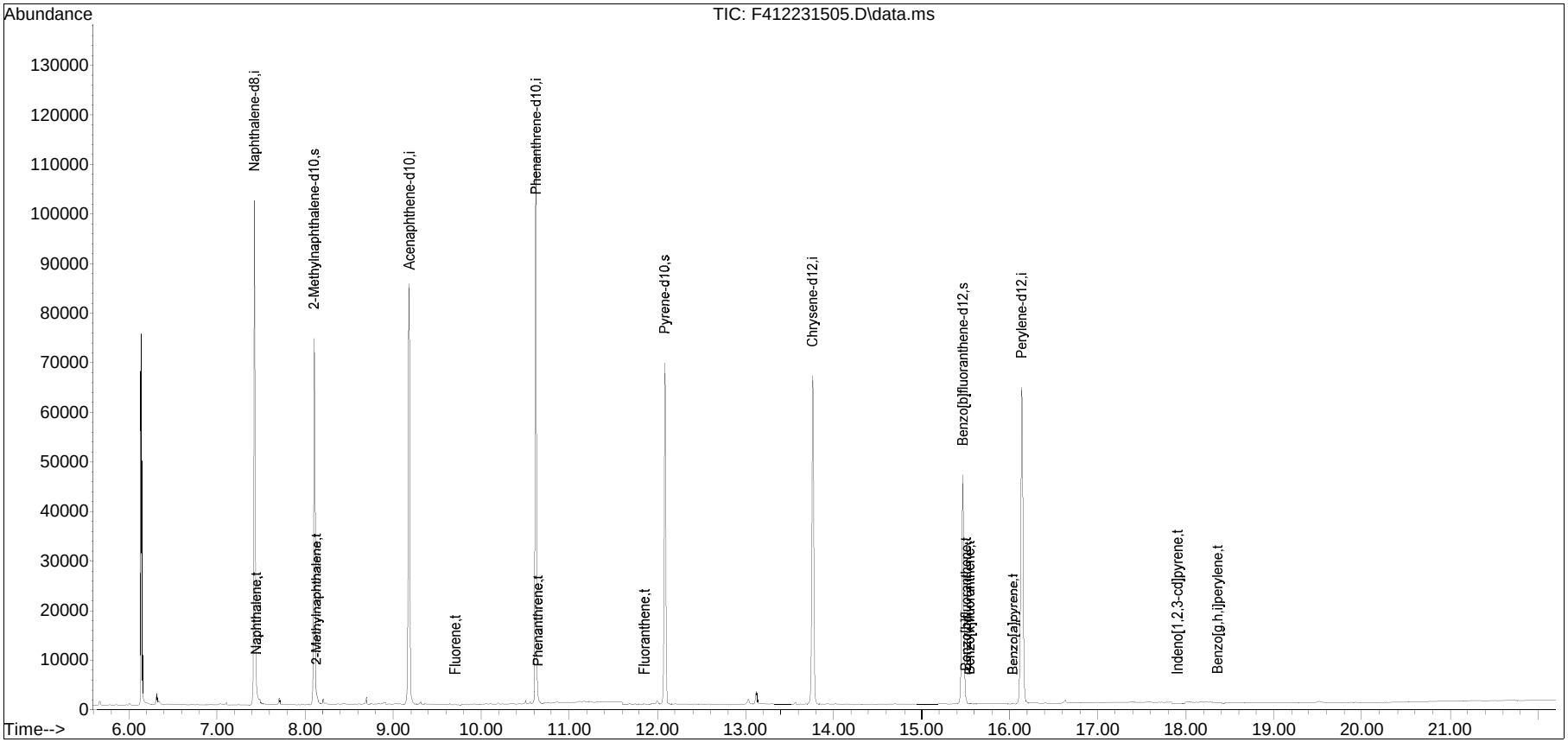
(#) = qualifier out of range (m) = manual integration (+) = signals summed

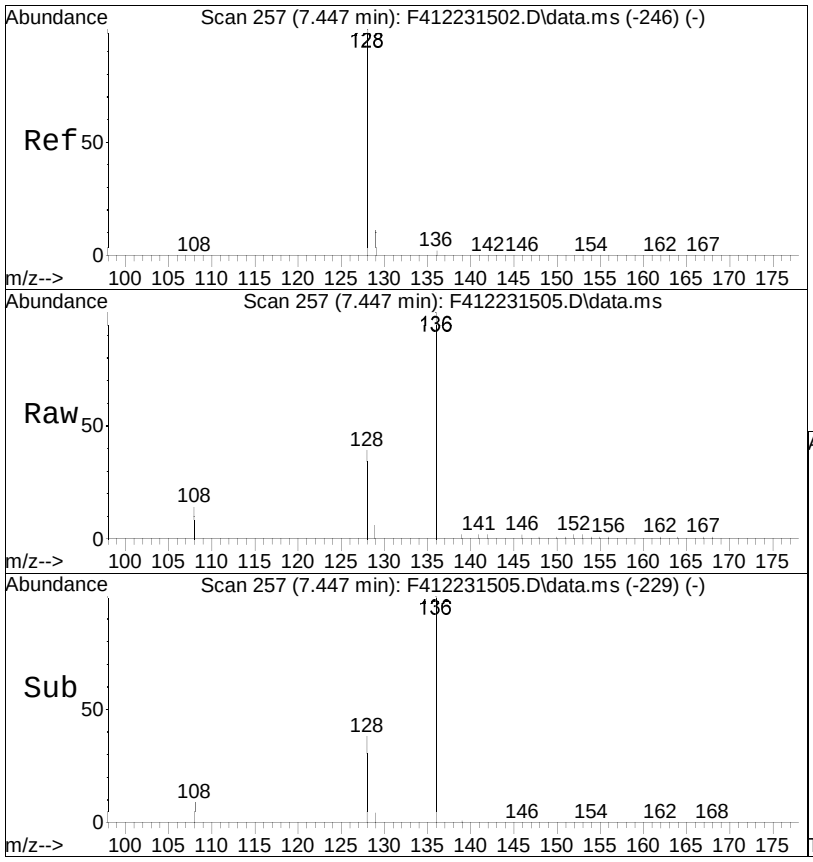
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC23\
Data File : F412231505.D
Acq On : 23 Dec 2015 2:11 pm
Operator : BNA4:SF
Sample : L1533592-12
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jan 12 12:55:35 2016
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC23\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Mon Dec 28 12:14:41 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

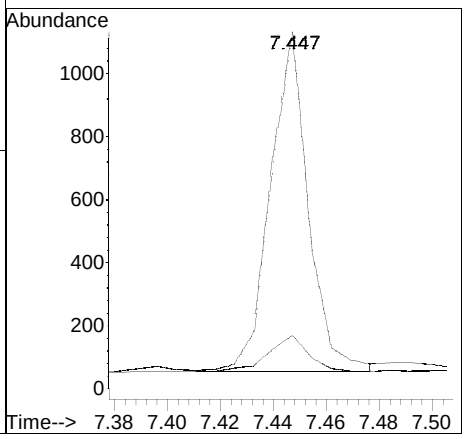


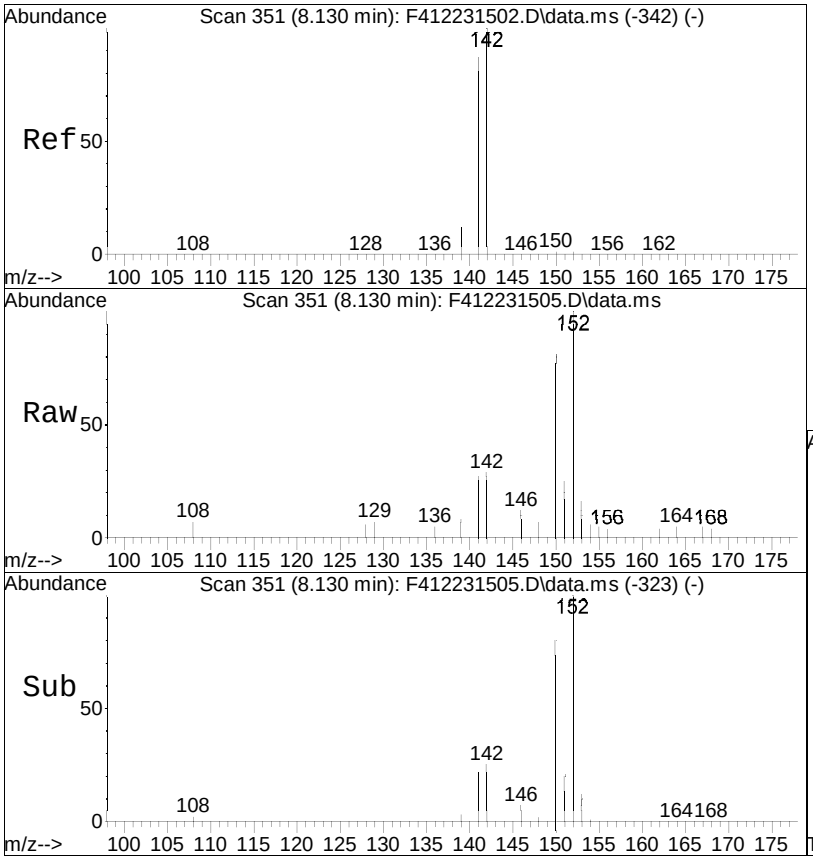


#2
Naphthalene
Concen: 5.65 ng/mL M4
RT: 7.447 min Scan# 257
Delta R.T. -0.000 min
Lab File: F412231505.D
Acq: 23 Dec 2015 2:11 pm

Tgt Ion:128 Resp: 1054

Ion	Ratio	Lower	Upper
128	100		
129	15.0	8.7	13.1#

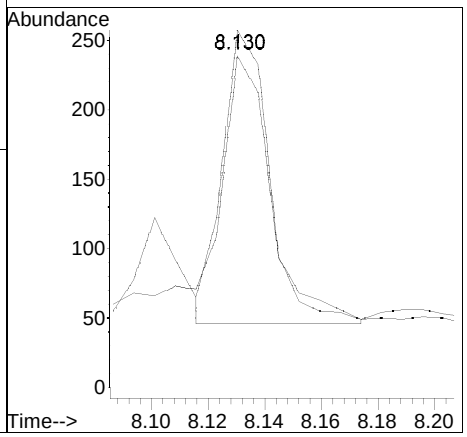


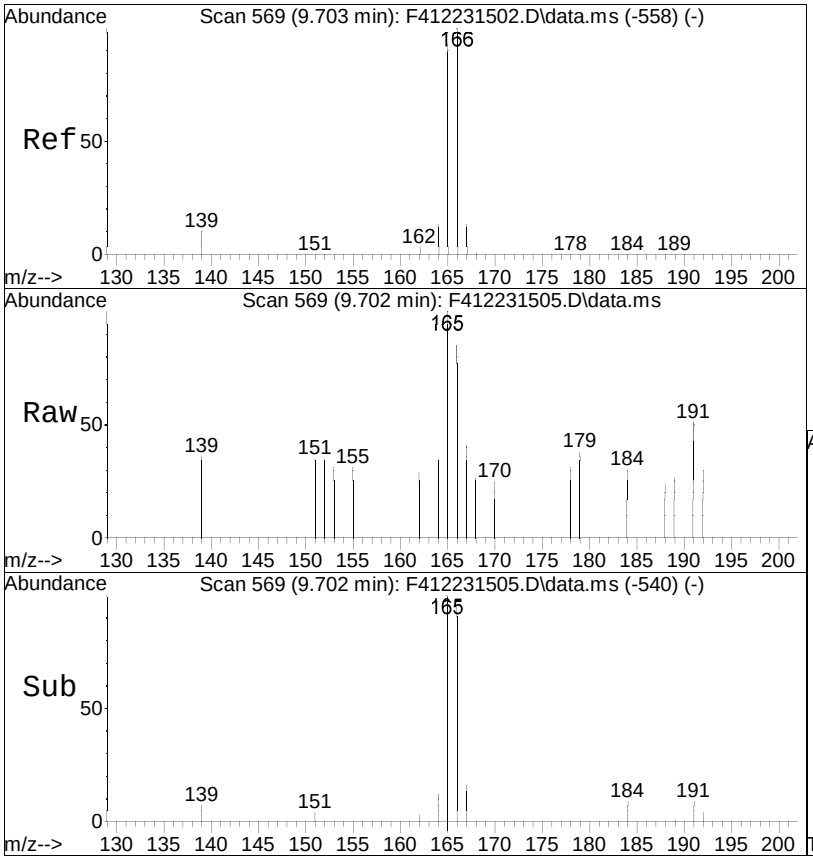


#5
2-Methylnaphthalene
Concen: 2.08 ng/mL M4
RT: 8.130 min Scan# 351
Delta R.T. -0.000 min
Lab File: F412231505.D
Acq: 23 Dec 2015 2:11 pm

Tgt Ion:142 Resp: 243

Ion	Ratio	Lower	Upper
142	100		
141	93.0	68.8	103.2

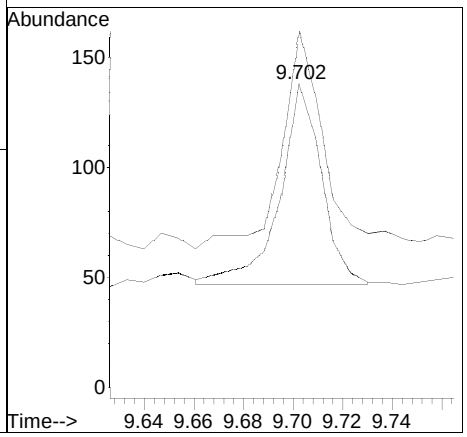


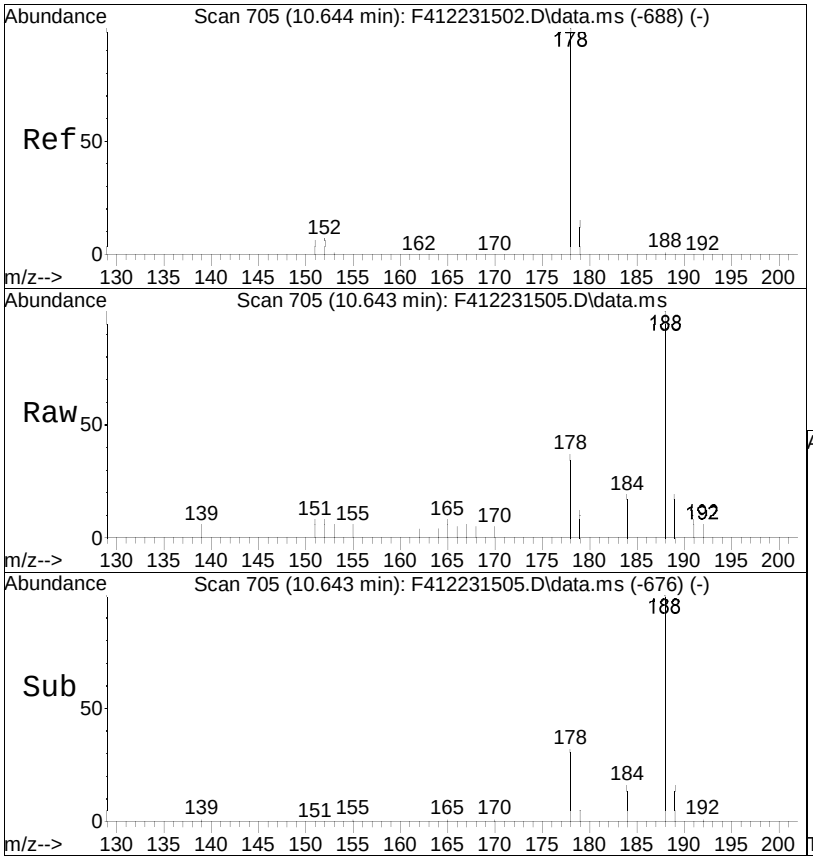


#15
Fluorene
Concen: 0.83 ng/mL M4
RT: 9.702 min Scan# 569
Delta R.T. -0.000 min
Lab File: F412231505.D
Acq: 23 Dec 2015 2:11 pm

Tgt Ion:166 Resp: 105

Ion	Ratio	Lower	Upper
166	100		
165	117.4	73.2	109.8#

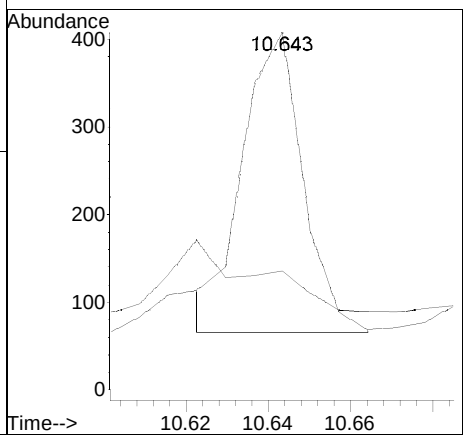


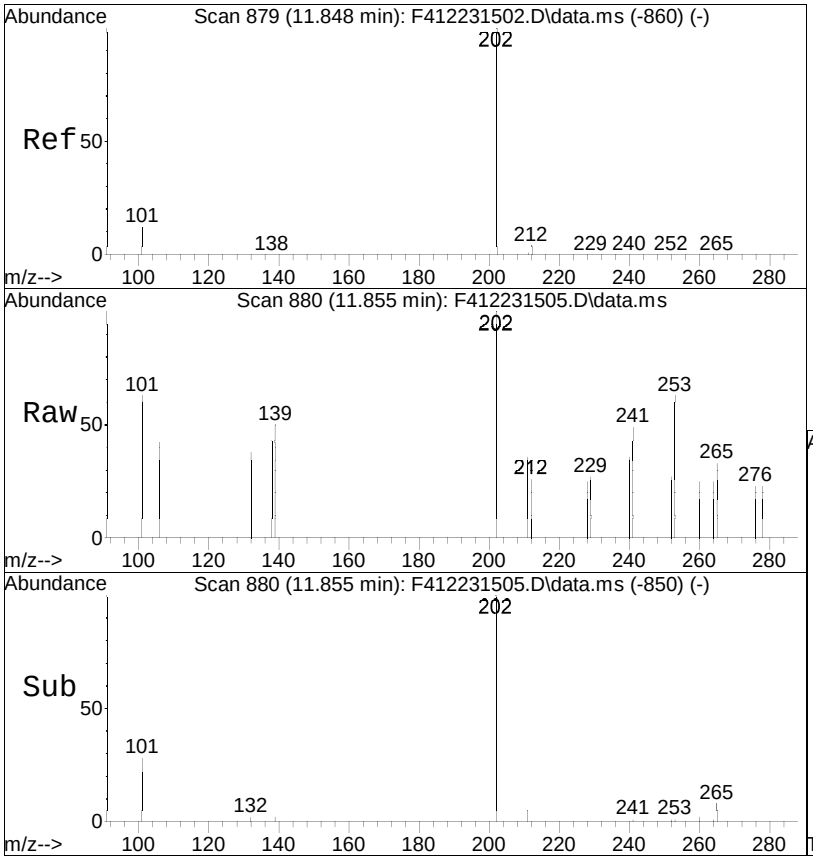


#19
Phenanthrene
Concen: 1.84 ng/mL M4
RT: 10.643 min Scan# 705
Delta R.T. -0.000 min
Lab File: F412231505.D
Acq: 23 Dec 2015 2:11 pm

Tgt Ion:178 Resp: 345

Ion	Ratio	Lower	Upper
178	100		
179	33.2	11.9	17.9#

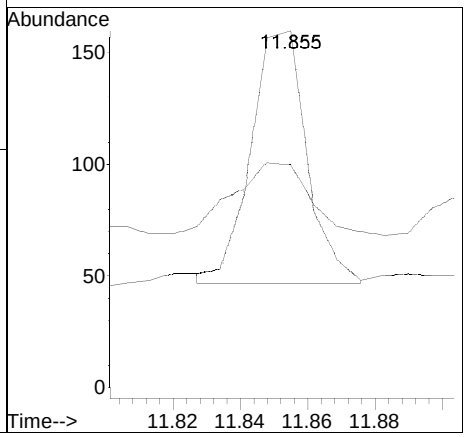


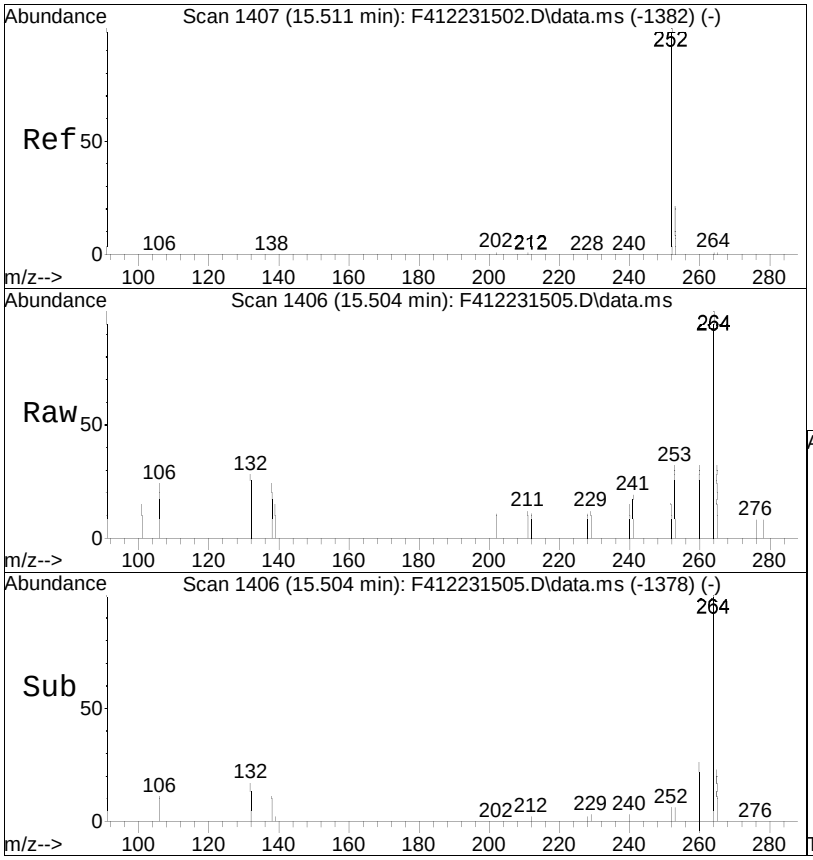


#23
Fluoranthene
Concen: 0.69 ng/mL M4
RT: 11.855 min Scan# 880
Delta R.T. 0.007 min
Lab File: F412231505.D
Acq: 23 Dec 2015 2:11 pm

Tgt Ion:202 Resp: 129

Ion	Ratio	Lower	Upper
202	100		
101	62.5	8.3	12.5#

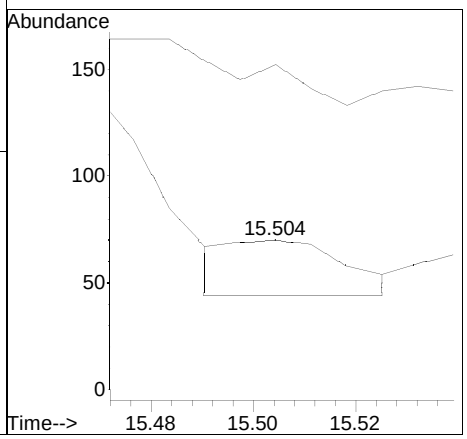


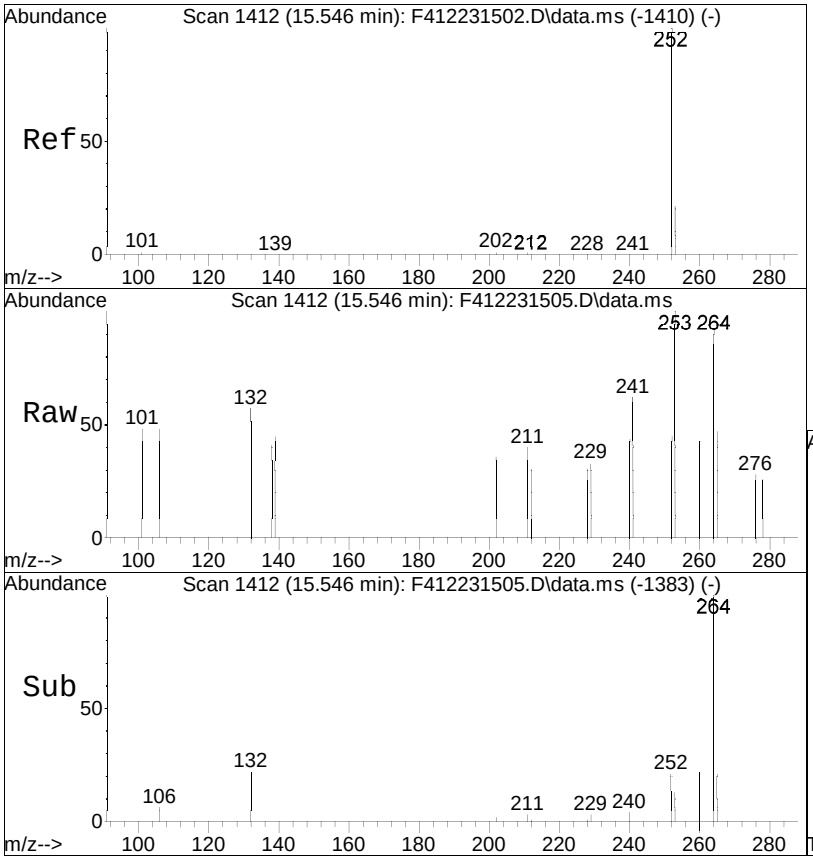


#32
Benzo[b]fluoranthene
Concen: 7.16 ng/mL M4
RT: 15.504 min Scan# 1406
Delta R.T. -0.007 min
Lab File: F412231505.D
Acq: 23 Dec 2015 2:11 pm

Tgt Ion:252 Resp: 41

Ion	Ratio	Lower	Upper
252	100		
253	217.1	17.1	25.7#

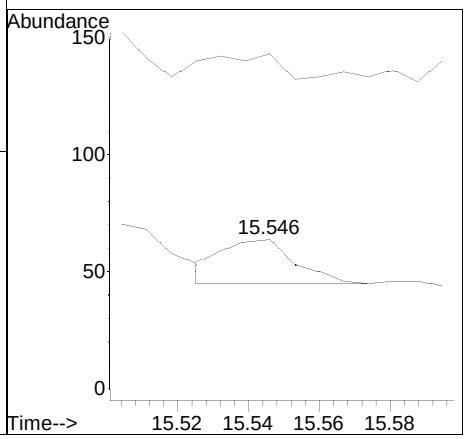


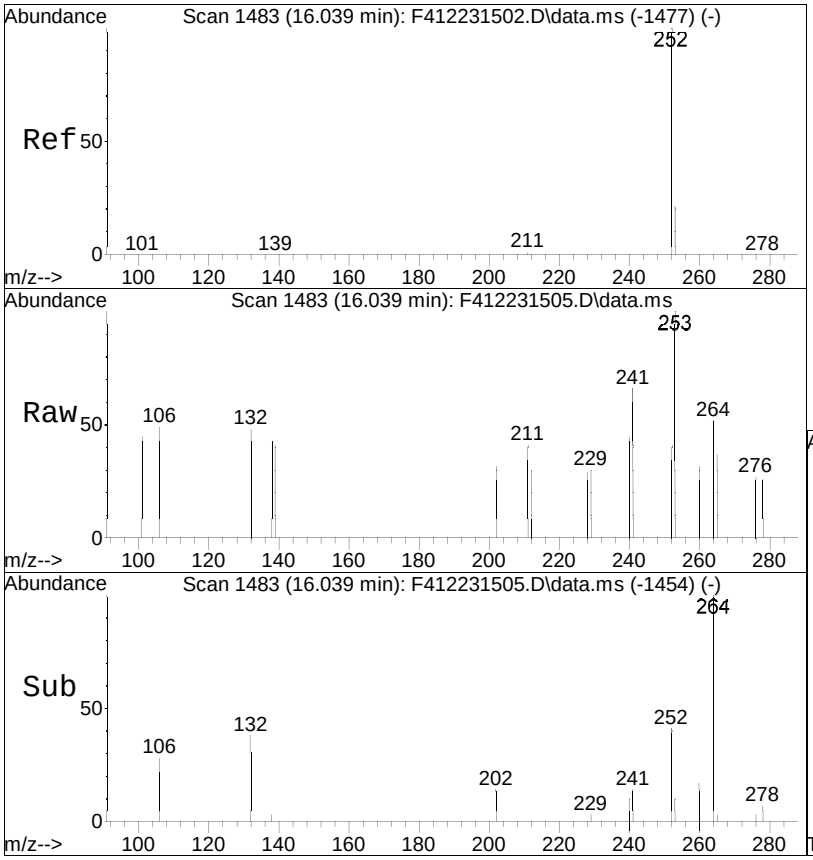


#33
Benzo[k]fluoranthene
Concen: 2.80 ng/mL
RT: 15.546 min Scan# 1412
Delta R.T. -0.000 min
Lab File: F412231505.D
Acq: 23 Dec 2015 2:11 pm

Tgt Ion:252 Resp: 27

Ion	Ratio	Lower	Upper
252	100		
253	223.4	17.2	25.8#

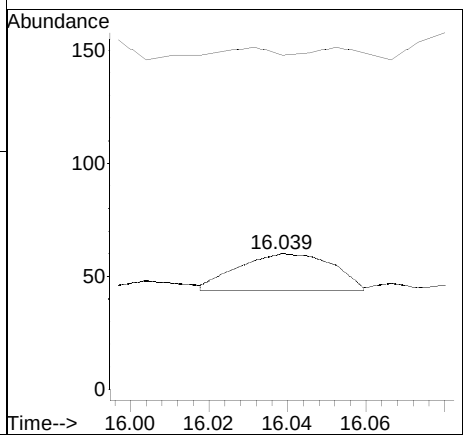


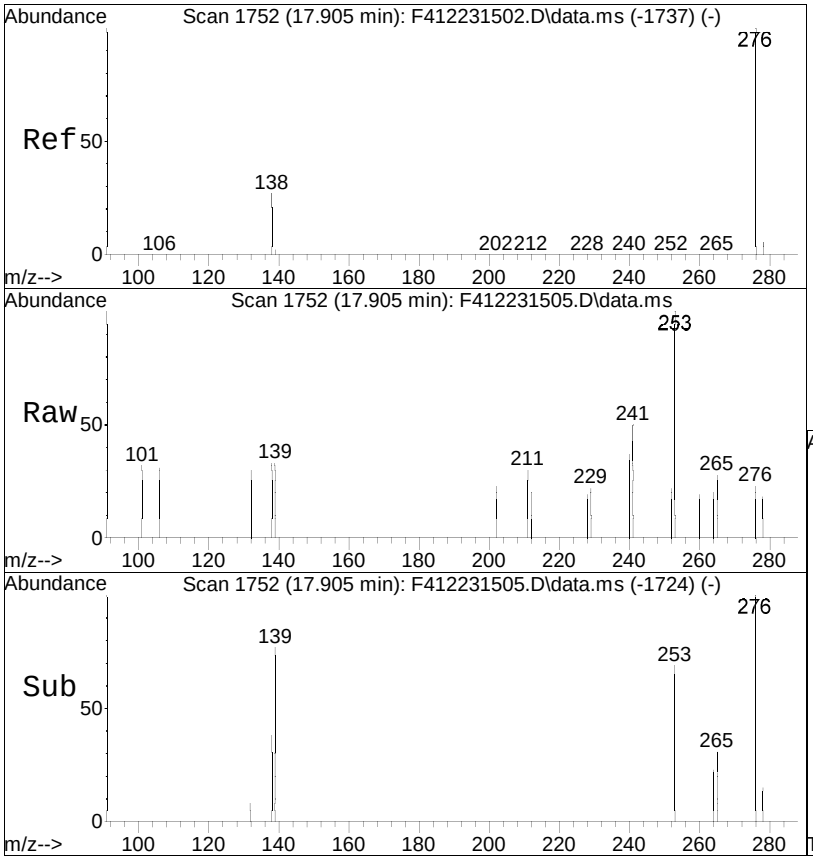


#35
Benzo[a]pyrene
Concen: 5.91 ng/mL M4
RT: 16.039 min Scan# 1483
Delta R.T. -0.000 min
Lab File: F412231505.D
Acq: 23 Dec 2015 2:11 pm

Tgt Ion:252 Resp: 27

Ion	Ratio	Lower	Upper
252	100		
253	246.7	17.3	25.9#

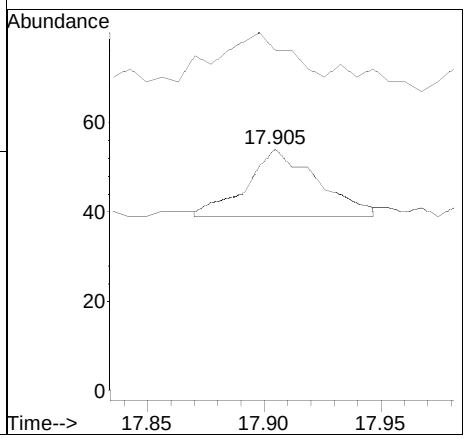


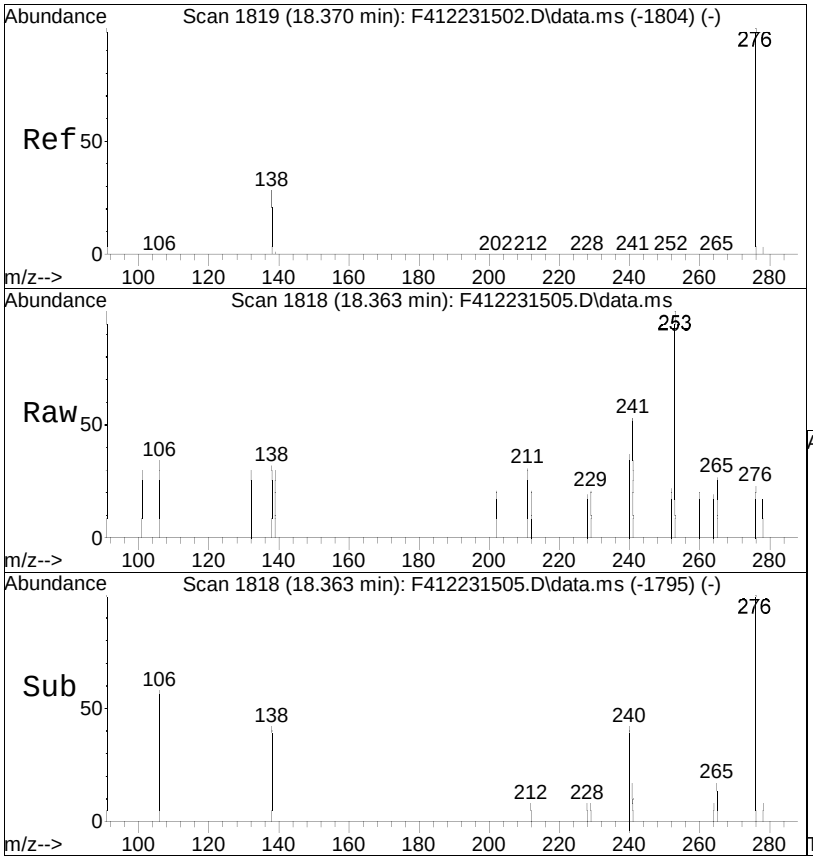


#37
Indeno[1,2,3-cd]pyrene
Concen: 6.34 ng/mL M4
RT: 17.905 min Scan# 1752
Delta R.T. -0.000 min
Lab File: F412231505.D
Acq: 23 Dec 2015 2:11 pm

Tgt Ion:276 Resp: 32

Ion	Ratio	Lower	Upper
276	100		
138	140.7	20.3	30.5#

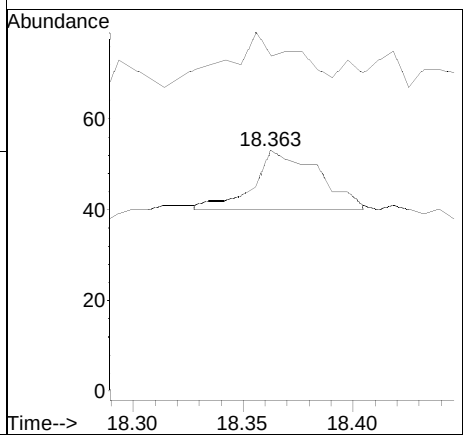




#39
Benzo[g,h,i]perylene
Concen: 4.91 ng/mL M4
RT: 18.363 min Scan# 1818
Delta R.T. -0.007 min
Lab File: F412231505.D
Acq: 23 Dec 2015 2:11 pm

Tgt Ion:276 Resp: 27

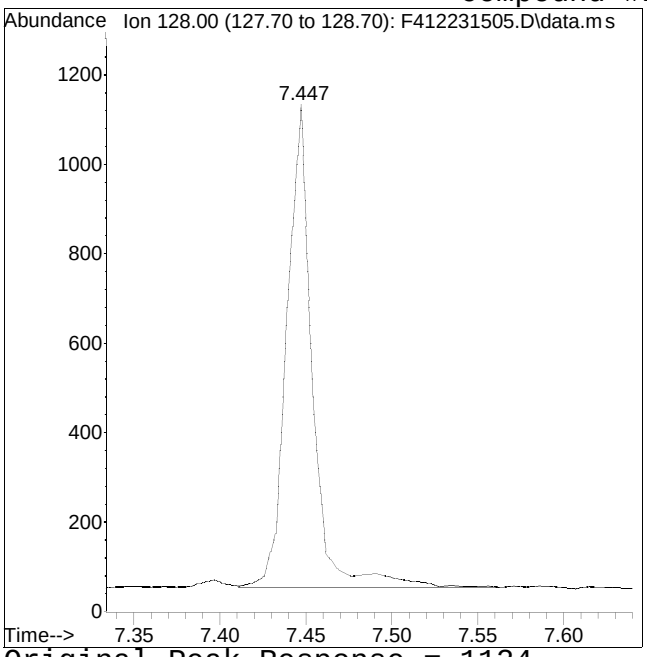
Ion	Ratio	Lower	Upper
276	100		
138	139.6	20.2	30.4#



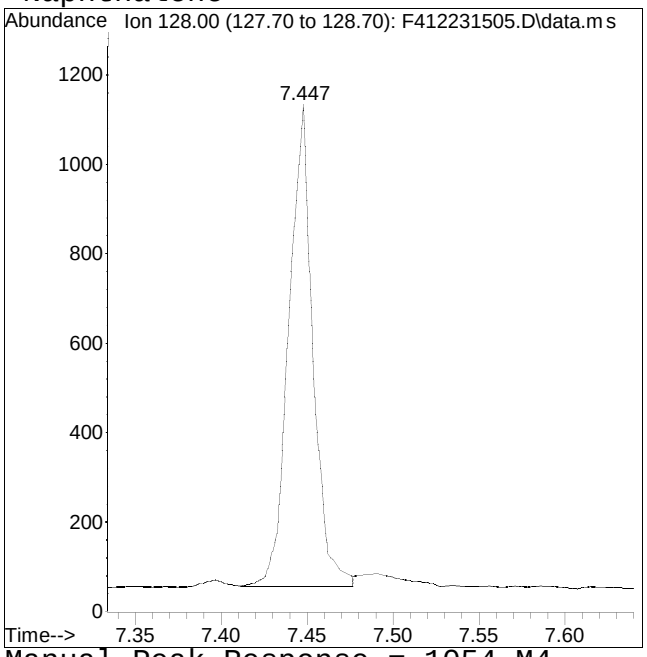
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412231505.D Operator : BNA4:SF
Date Inj'd : 12/23/2015 2:11 pm Instrument : BNA4
Sample : L1533592-12 Quant Date : 12/28/2015 12:15 pm

Compound #2: Naphthalene



Original Peak Response = 1124



Manual Peak Response = 1054 M4

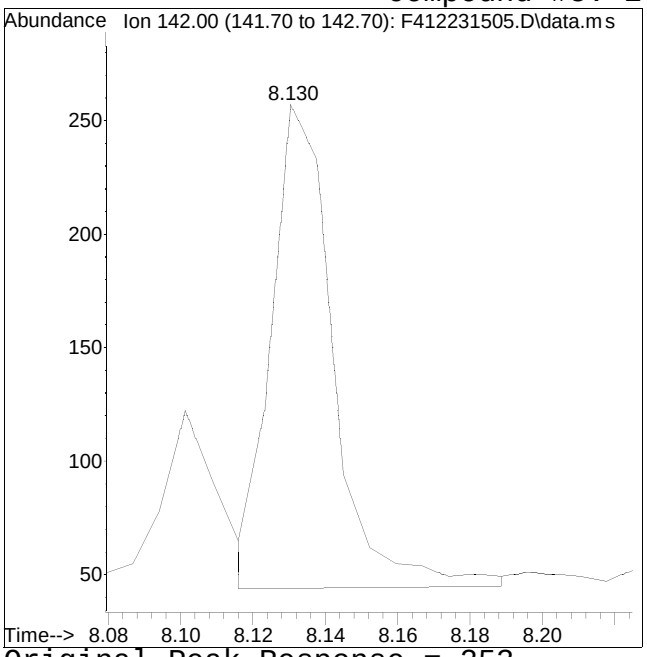
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

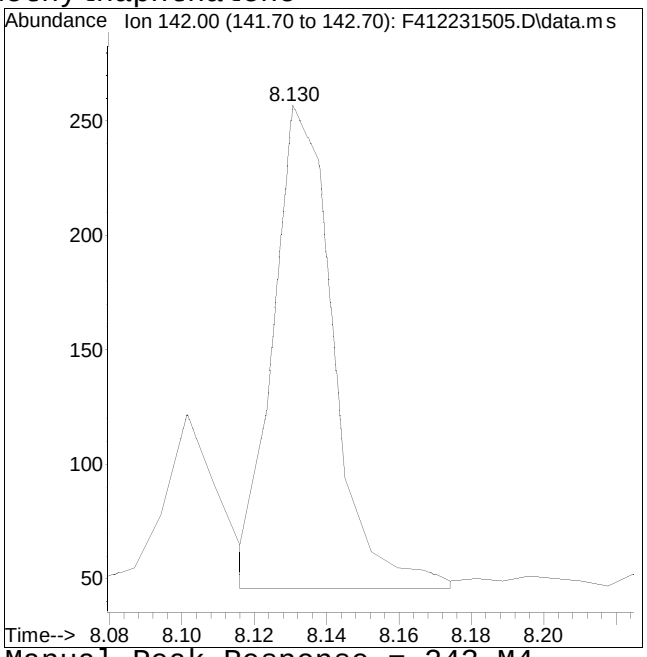
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412231505.D
Date Inj'd : 12/23/2015 2:11 pm
Sample : L1533592-12

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/28/2015 12:15 pm

Compound #5: 2-Methylnaphthalene



Original Peak Response = 253



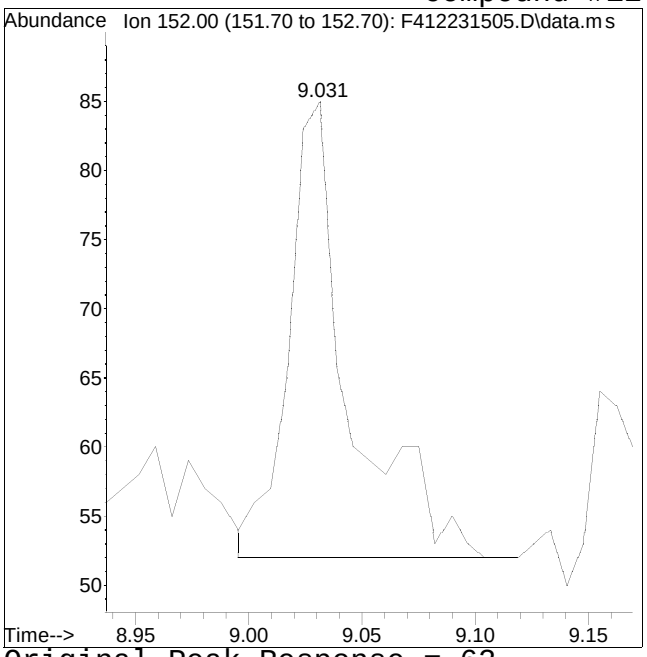
Manual Peak Response = 243 M4

M4 = Poor automated baseline construction.

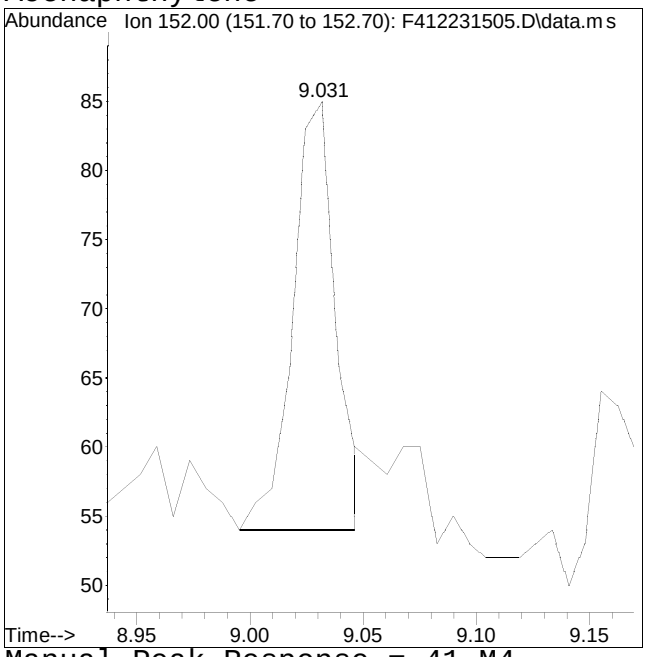
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412231505.D Operator : BNA4:SF
Date Inj'd : 12/23/2015 2:11 pm Instrument : BNA4
Sample : L1533592-12 Quant Date : 12/28/2015 12:15 pm

Compound #12: Acenaphthylene



Original Peak Response = 62



Manual Peak Response = 41 M4

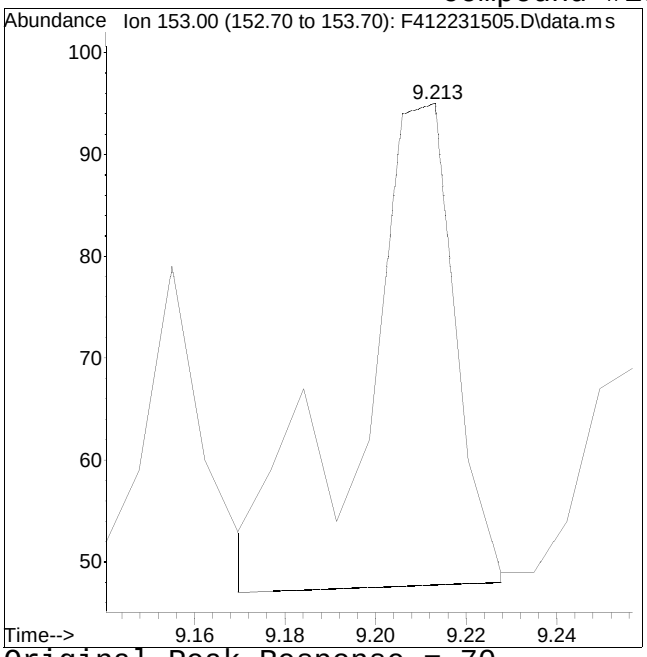
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

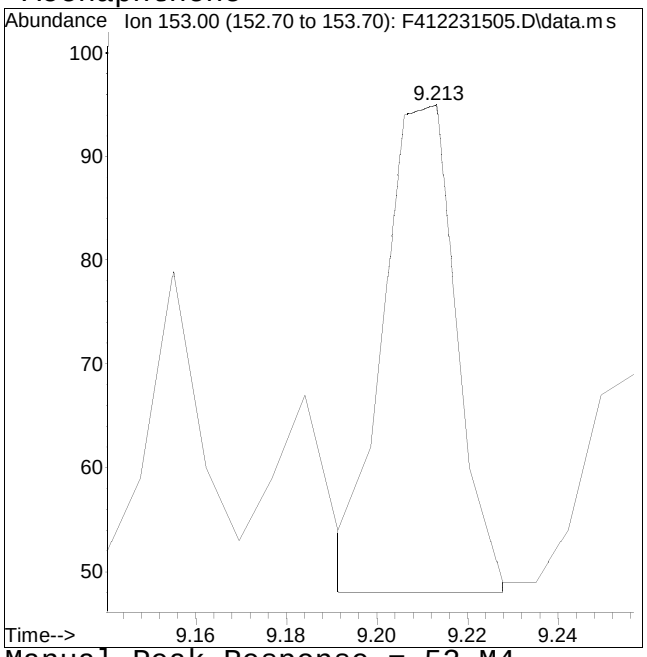
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412231505.D
Date Inj'd : 12/23/2015 2:11 pm
Sample : L1533592-12

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/28/2015 12:15 pm

Compound #13: Acenaphthene



Original Peak Response = 70



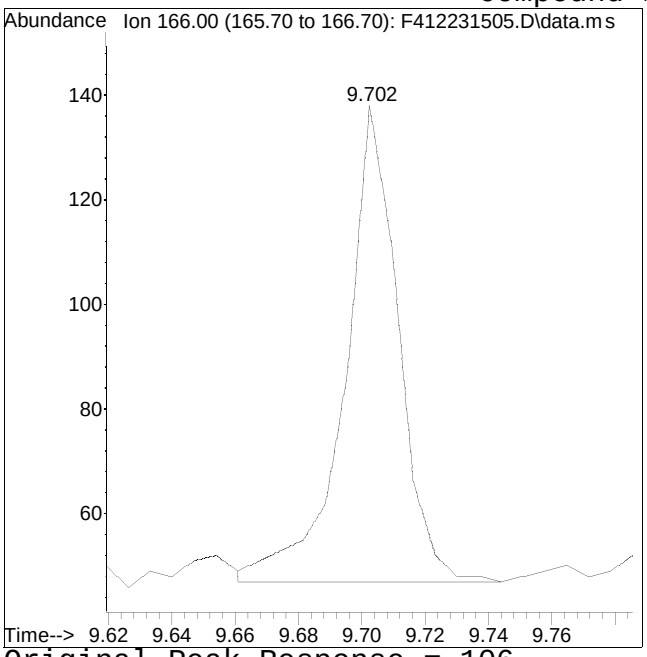
Manual Peak Response = 52 M4

M4 = Poor automated baseline construction.

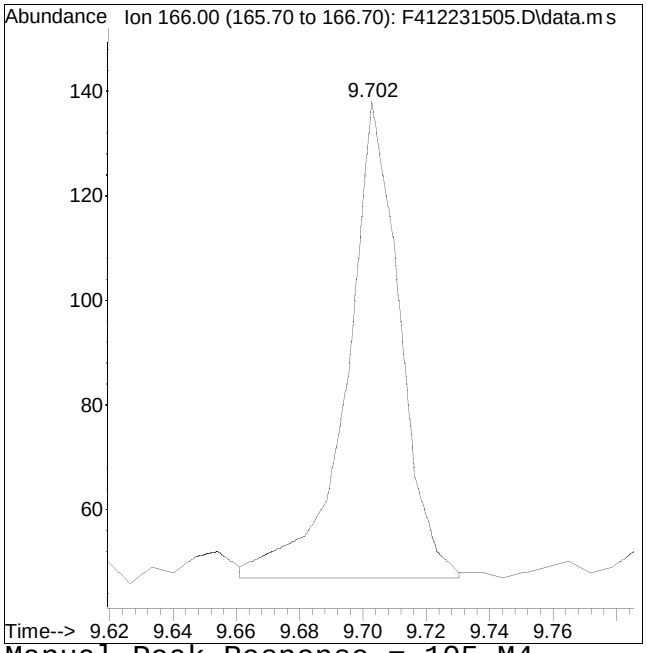
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412231505.D Operator : BNA4:SF
Date Inj'd : 12/23/2015 2:11 pm Instrument : BNA4
Sample : L1533592-12 Quant Date : 12/28/2015 12:15 pm

Compound #15: Fluorene



Original Peak Response = 106



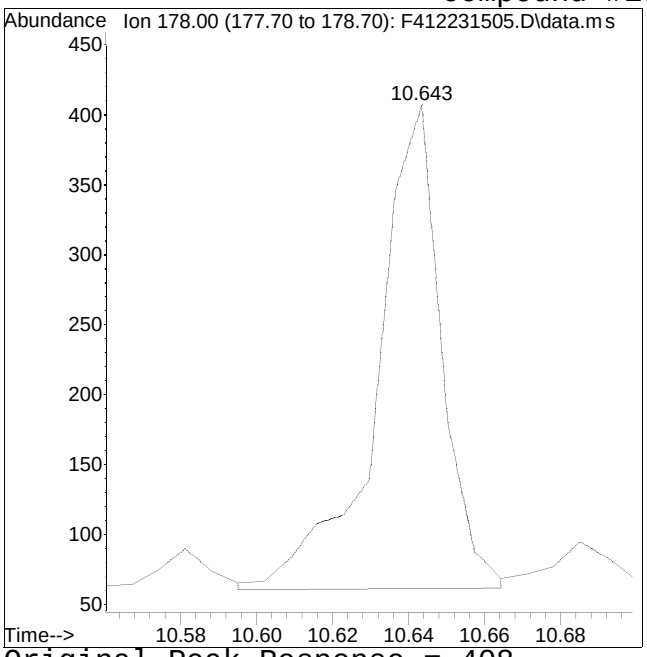
Manual Peak Response = 105 M4

M4 = Poor automated baseline construction.

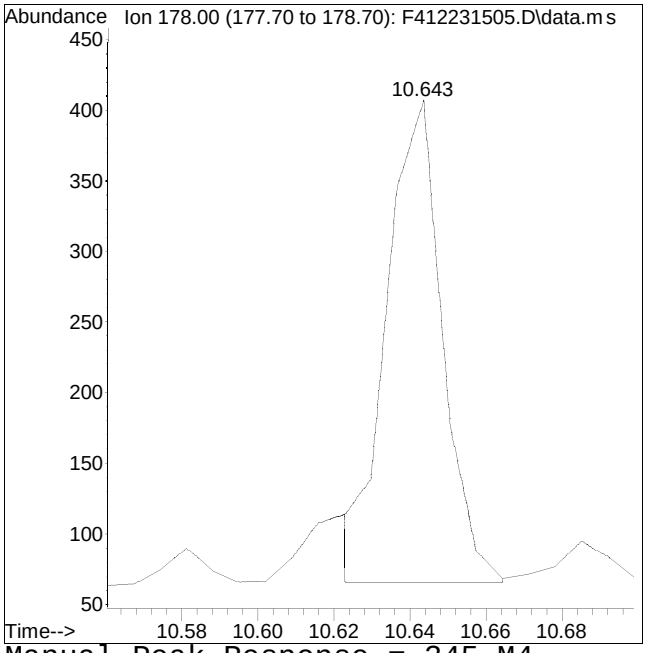
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412231505.D Operator : BNA4:SF
Date Inj'd : 12/23/2015 2:11 pm Instrument : BNA4
Sample : L1533592-12 Quant Date : 12/28/2015 12:15 pm

Compound #19: Phenanthrene



Original Peak Response = 408



Manual Peak Response = 345 M4

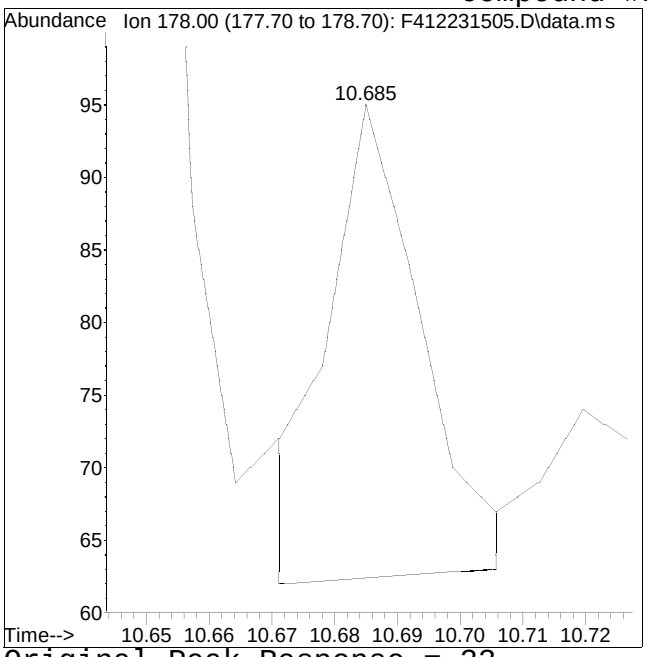
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

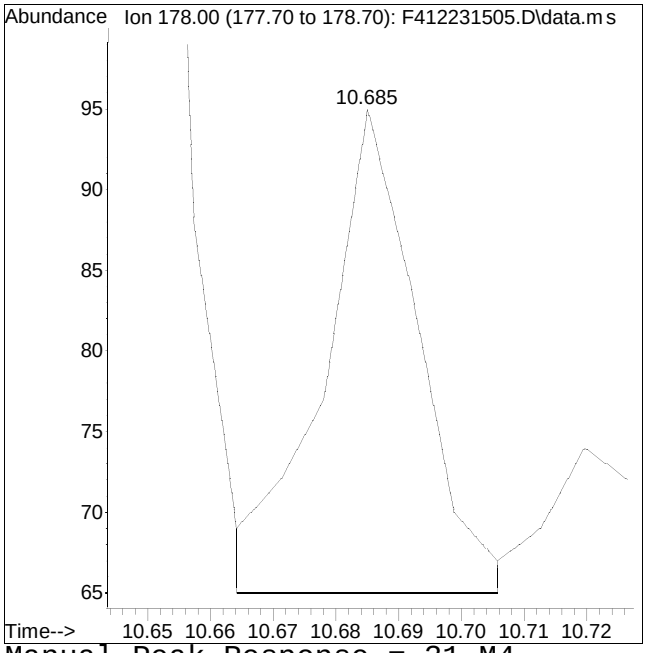
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412231505.D
Date Inj'd : 12/23/2015 2:11 pm
Sample : L1533592-12

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/28/2015 12:15 pm

Compound #20: Anthracene



Original Peak Response = 33



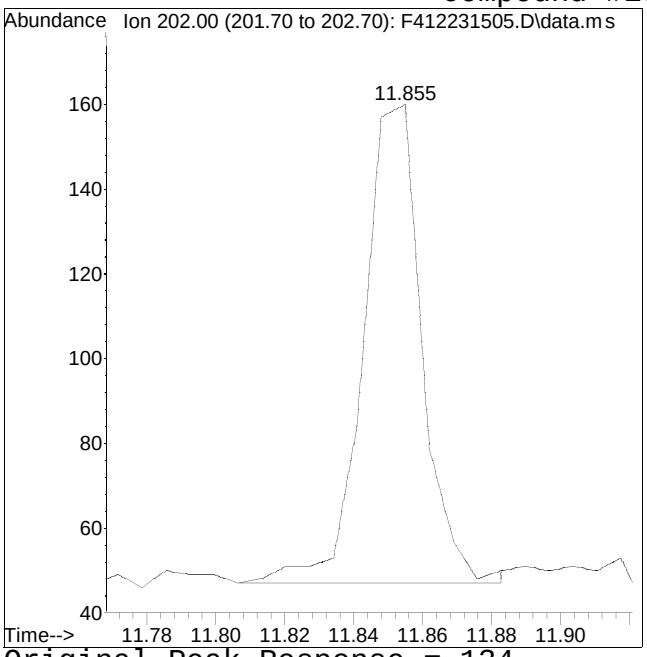
Manual Peak Response = 31 M4

M4 = Poor automated baseline construction.

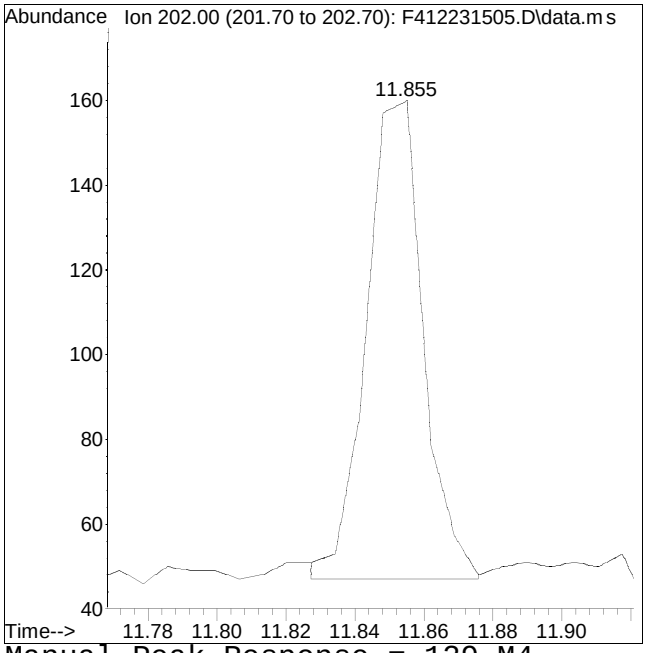
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412231505.D Operator : BNA4:SF
Date Inj'd : 12/23/2015 2:11 pm Instrument : BNA4
Sample : L1533592-12 Quant Date : 12/28/2015 12:15 pm

Compound #23: Fluoranthene



Original Peak Response = 134



Manual Peak Response = 129 M4

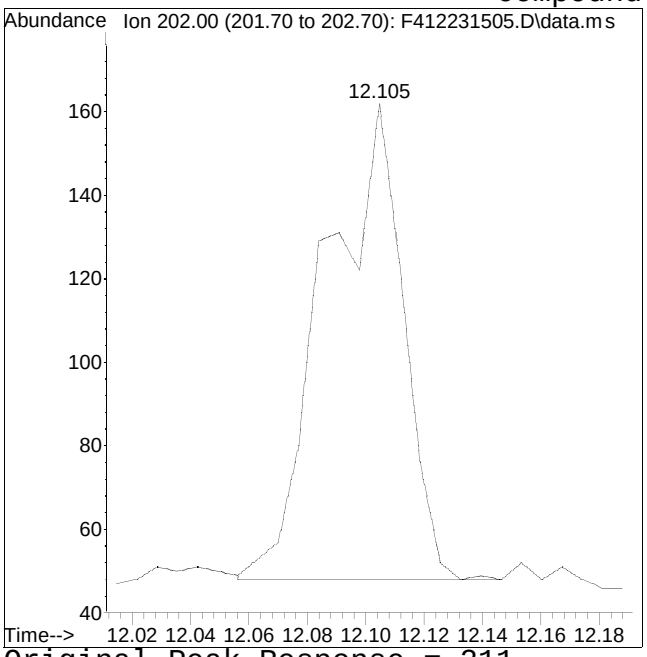
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

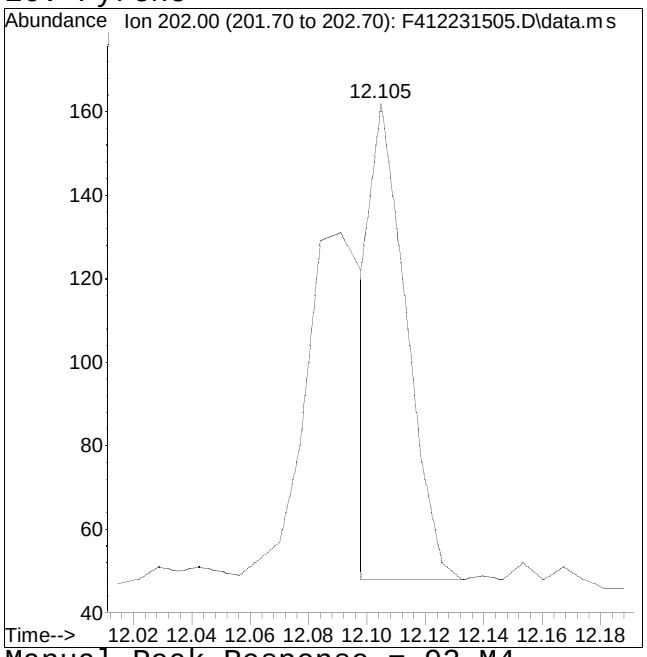
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412231505.D
Date Inj'd : 12/23/2015 2:11 pm
Sample : L1533592-12

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/28/2015 12:15 pm

Compound #26: Pyrene



Original Peak Response = 211



Manual Peak Response = 92 M4

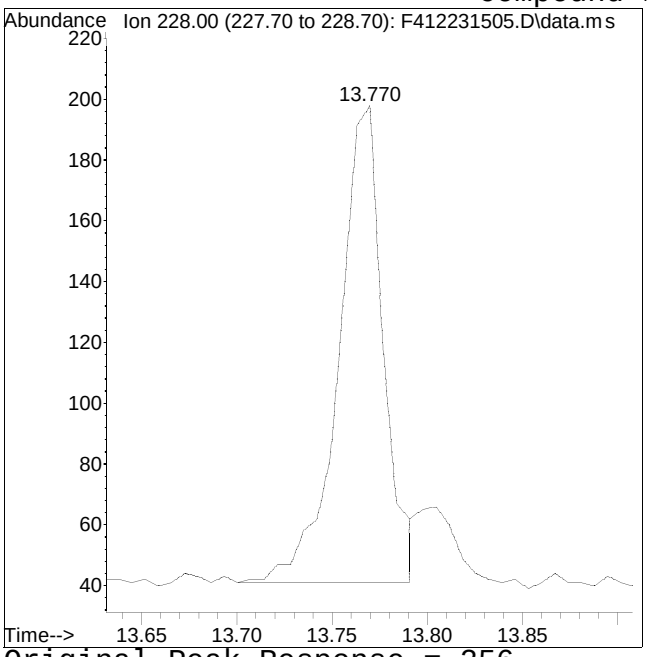
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

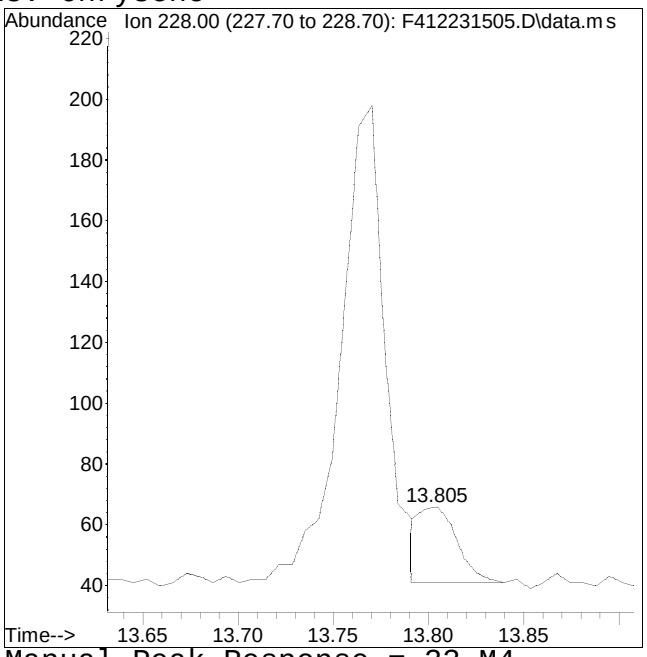
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412231505.D
Date Inj'd : 12/23/2015 2:11 pm
Sample : L1533592-12

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/28/2015 12:15 pm

Compound #28: Chrysene



Original Peak Response = 256



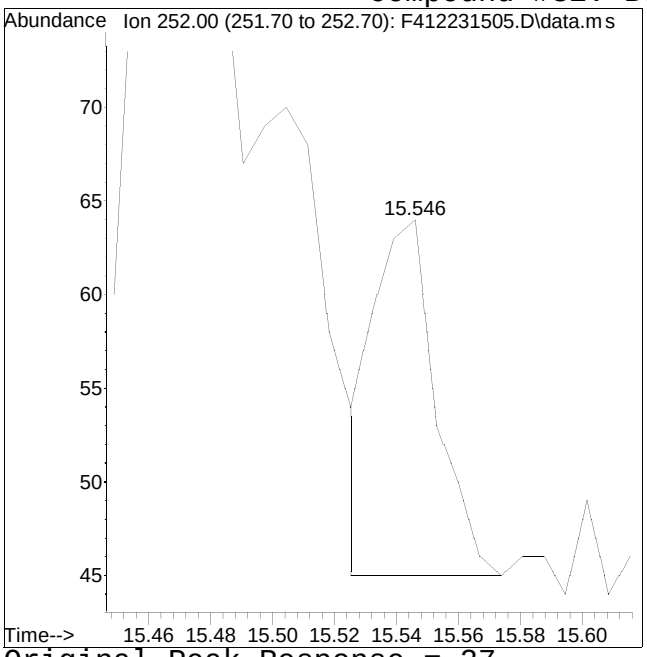
Manual Peak Response = 33 M4

M4 = Poor automated baseline construction.

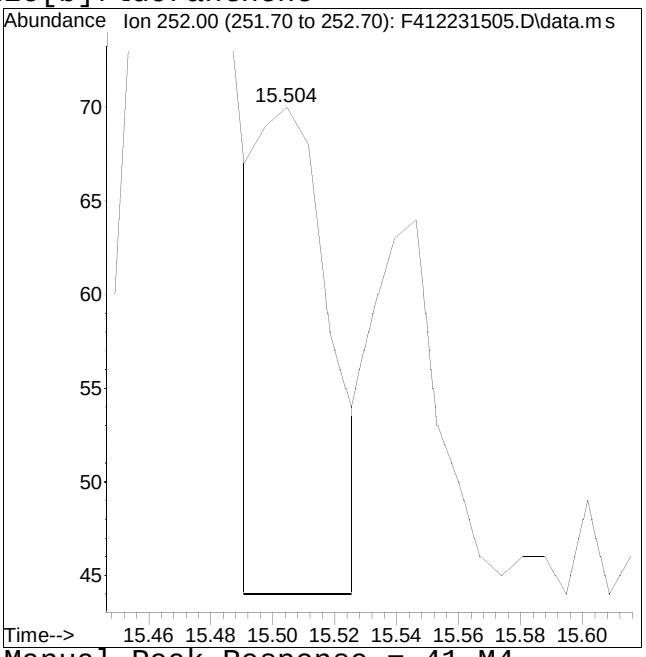
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412231505.D Operator : BNA4:SF
Date Inj'd : 12/23/2015 2:11 pm Instrument : BNA4
Sample : L1533592-12 Quant Date : 12/28/2015 12:15 pm

Compound #32: Benzo[b]fluoranthene



Original Peak Response = 27



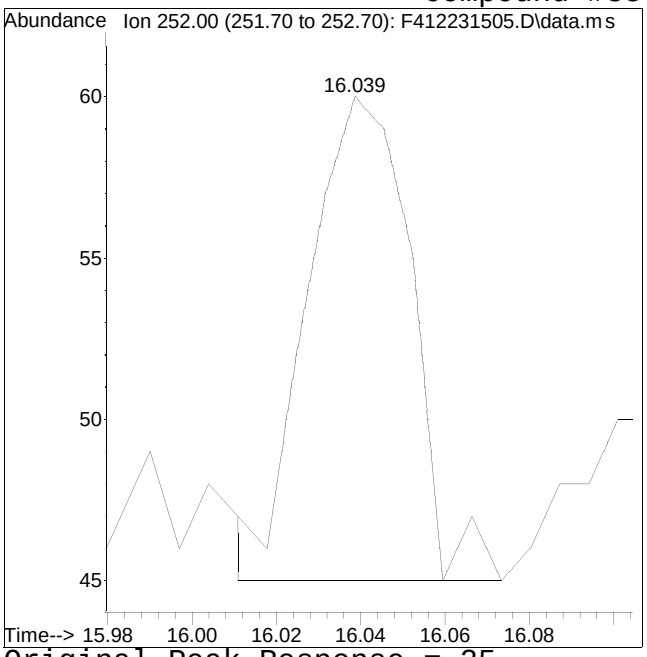
Manual Peak Response = 41 M4

M4 = Poor automated baseline construction.

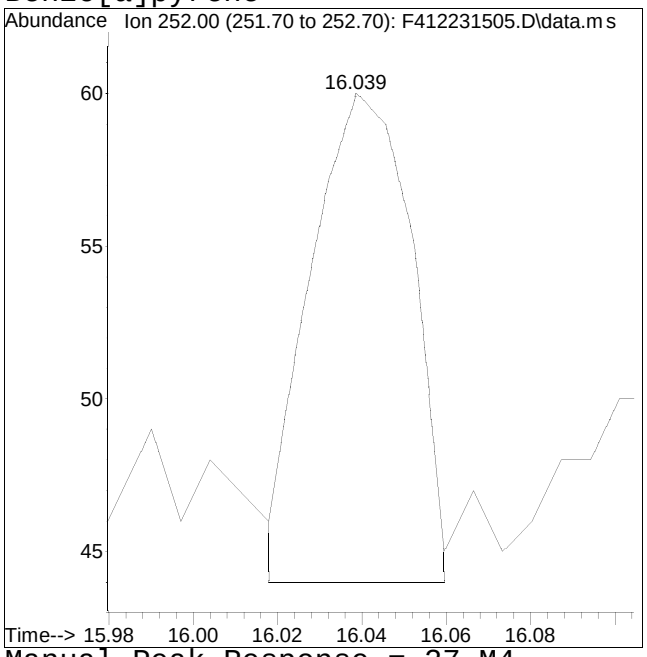
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA4\2015\ QMethod : PAH1217BNA4.M
Data File : F412231505.D Operator : BNA4:SF
Date Inj'd : 12/23/2015 2:11 pm Instrument : BNA4
Sample : L1533592-12 Quant Date : 12/28/2015 12:15 pm

Compound #35: Benzo[a]pyrene



Original Peak Response = 25



Manual Peak Response = 27 M4

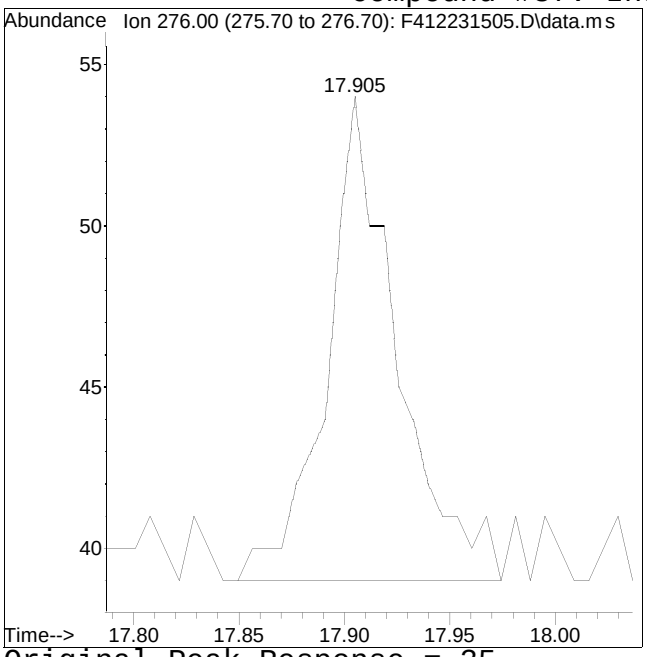
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

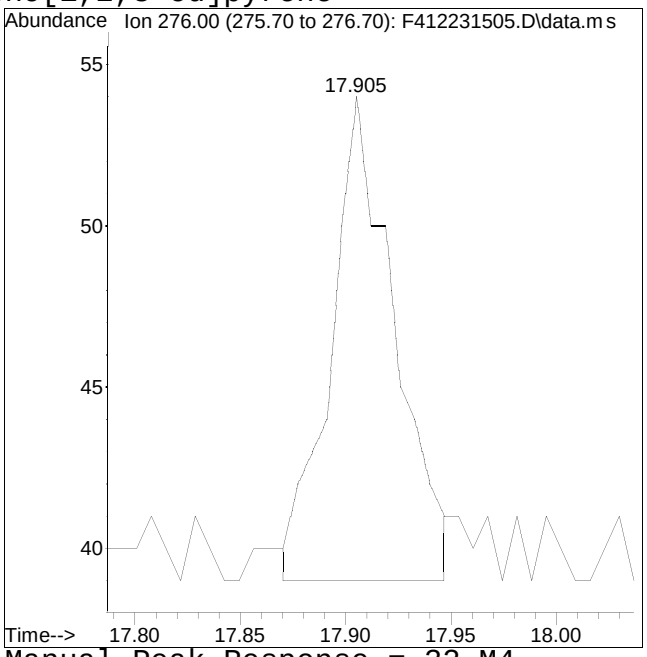
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412231505.D
Date Inj'd : 12/23/2015 2:11 pm
Sample : L1533592-12

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/28/2015 12:15 pm

Compound #37: Indeno[1,2,3-cd]pyrene



Original Peak Response = 35



Manual Peak Response = 32 M4

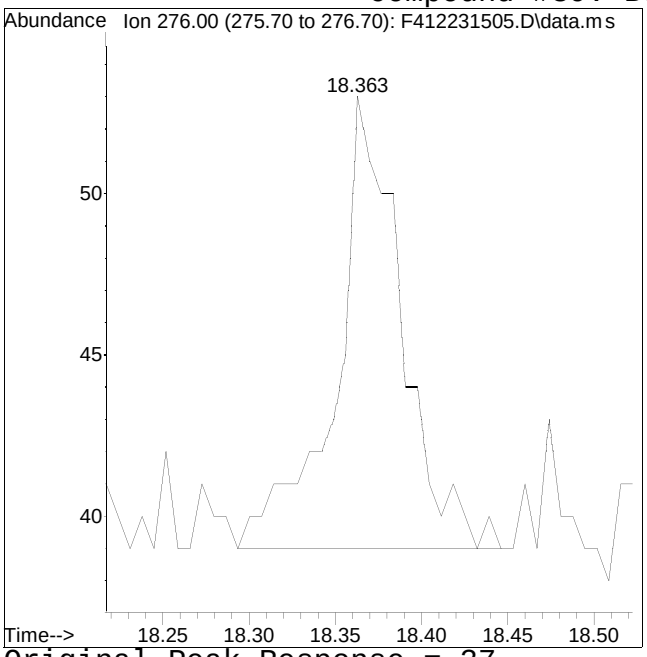
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

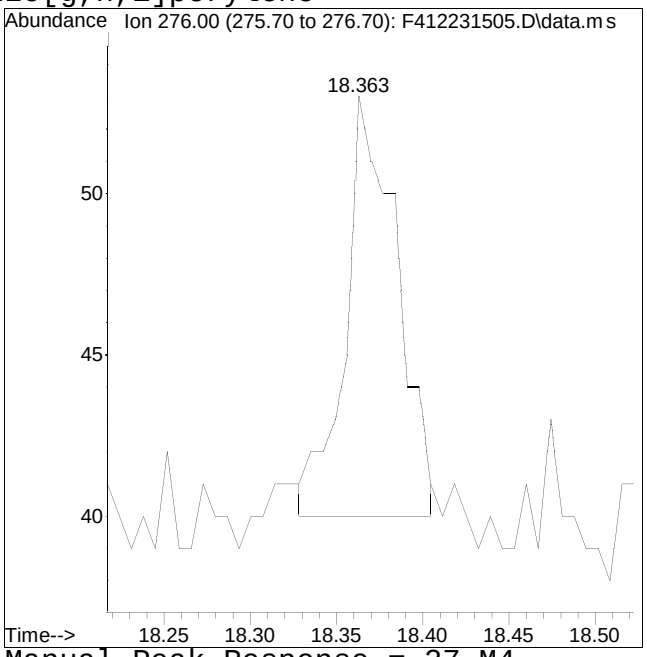
Data Path : O:\Organics\DATA\BNA4\2015\
Data File : F412231505.D
Date Inj'd : 12/23/2015 2:11 pm
Sample : L1533592-12

QMethod : PAH1217BNA4.M
Operator : BNA4:SF
Instrument : BNA4
Quant Date : 12/28/2015 12:15 pm

Compound #39: Benzo[g,h,i]perylene



Original Peak Response = 37



Manual Peak Response = 27 M4

M4 = Poor automated baseline construction.

Batch Quality Control

Method Blank
Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221512.D
Acq On : 22 Dec 2015 8:28 pm
Operator : BNA4:SF
Sample : WG851972-1
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 28 16:34:11 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.440	136	91298	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.191	164	43757	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.636	188	85834	500.000	ng/mL	0.00
24) Chrysene-d12	13.791	240	68939	500.000	ng/mL	0.00
29) Perylene-d12	16.163	264	59072	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.116	152	35571	359.870	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 7.20%#			
25) Pyrene-d10	12.105	212	56318	420.988	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.42%#			
31) Benzo[b]fluoranthene-d12	15.490	264	41569	429.857	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.60%#			
Target Compounds						Qvalue
2) Naphthalene	7.462	128	99M4	0.514	ng/mL	
5) 2-Methylnaphthalene	8.145	142	45	N.D.		
12) Acenaphthylene	9.039	152	22	N.D.		
13) Acenaphthene	9.220	153	19	N.D.		
15) Fluorene	9.716	166	30	N.D.		
19) Phenanthrene	10.657	178	105M4	0.556	ng/mL	
20) Anthracene	10.699	178	24	N.D.		
23) Fluoranthene	11.869	202	82	N.D.		
26) Pyrene	12.126	202	81	N.D.		
27) Benz[a]anthracene	0.000		0	N.D.	d	
28) Chrysene	13.825	228	32	N.D.		
32) Benzo[b]fluoranthene	15.525	252	34M4	7.117	ng/mL	
33) Benzo[k]fluoranthene	15.567	252	23M4	2.770	ng/mL	
35) Benzo[a]pyrene	0.000		0	N.D.	d	
37) Indeno[1,2,3-cd]pyrene	17.933	276	17M4	6.226	ng/mL	
38) Dibenz[a,h]anthracene	0.000		0	N.D.	d	
39) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

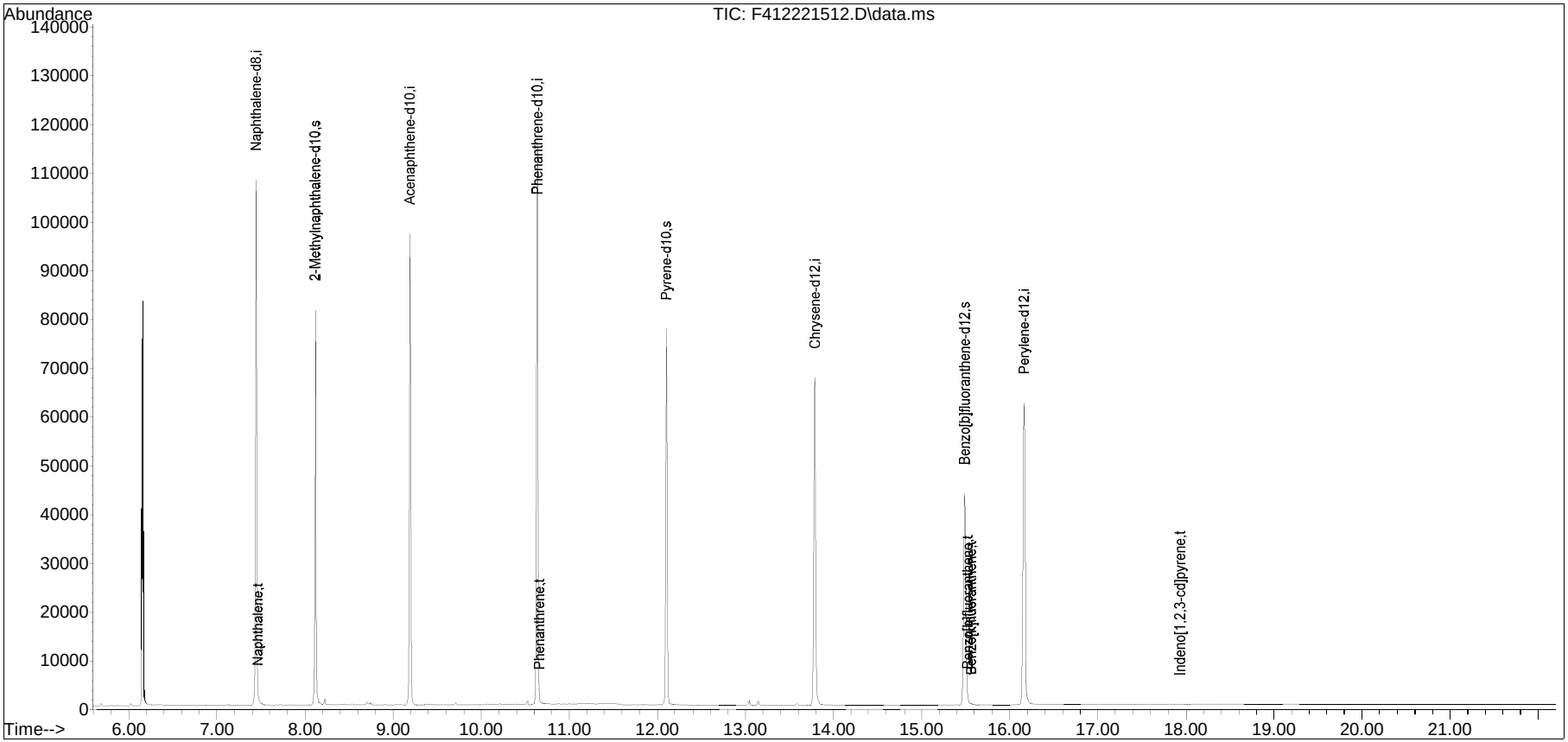
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

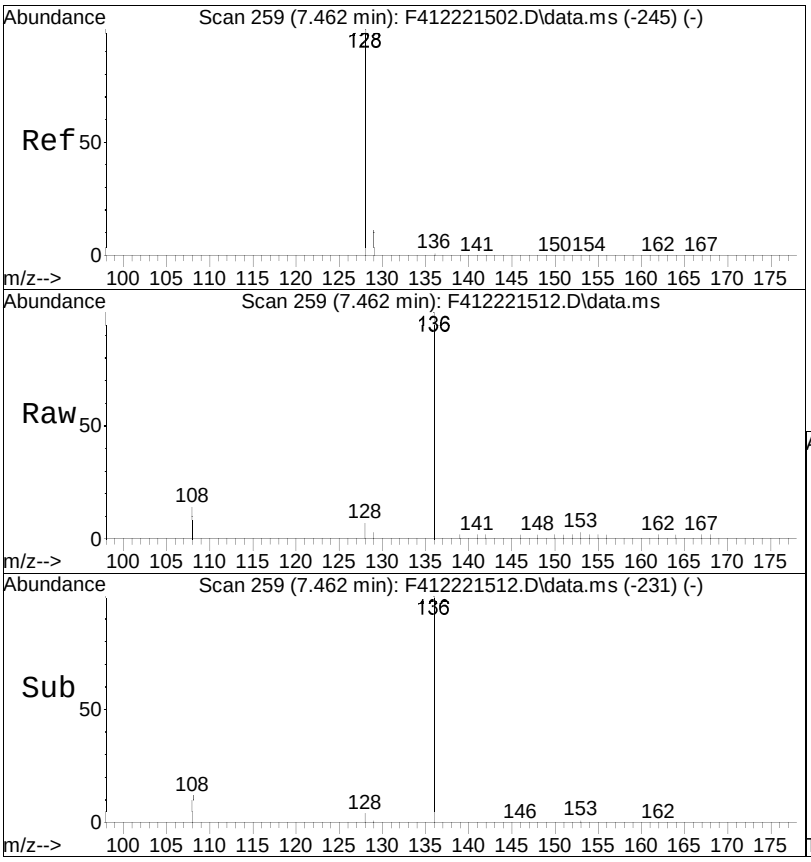
Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221512.D
Acq On : 22 Dec 2015 8:28 pm
Operator : BNA4:SF
Sample : WG851972-1
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 28 16:34:11 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH



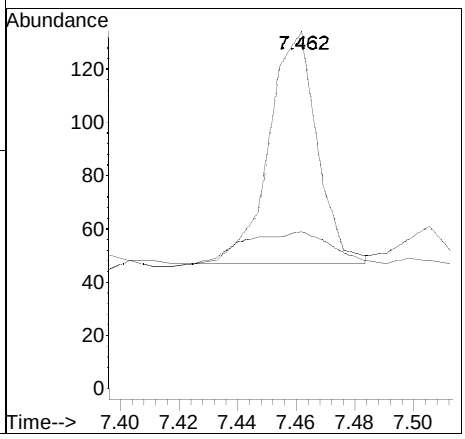
PAH1217BNA4.M Tue Dec 29 09:37:52 2015 Page 2 2

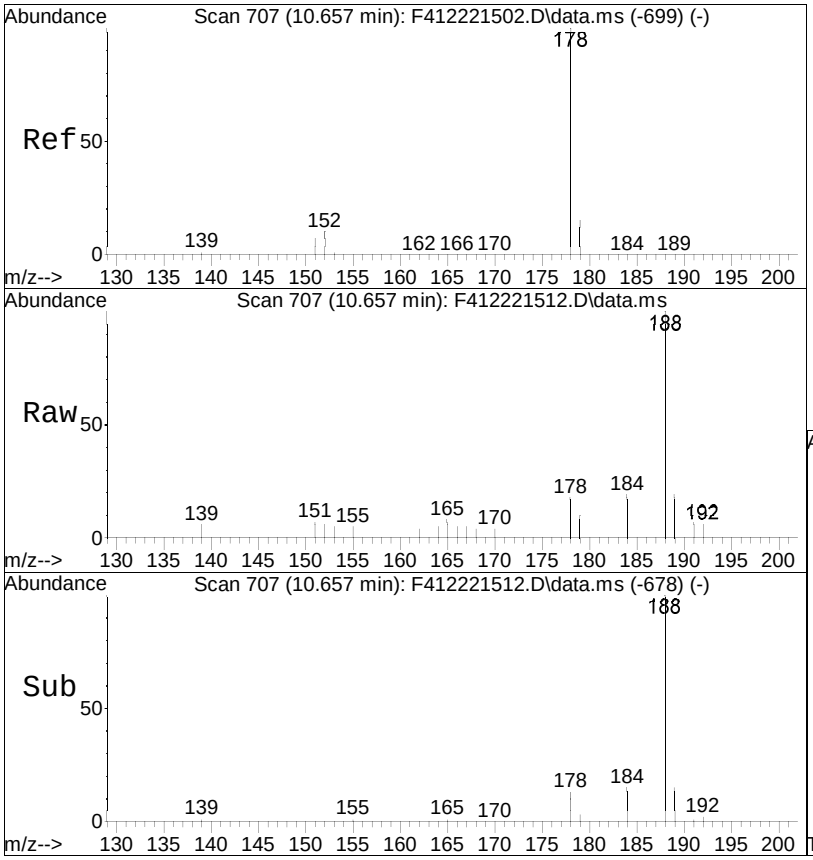


#2
Naphthalene
Concen: 0.51 ng/mL M4
RT: 7.462 min Scan# 259
Delta R.T. -0.000 min
Lab File: F412221512.D
Acq: 22 Dec 2015 8:28 pm

Tgt Ion:128 Resp: 99

Ion	Ratio	Lower	Upper
128	100		
129	44.0	8.7	13.1#

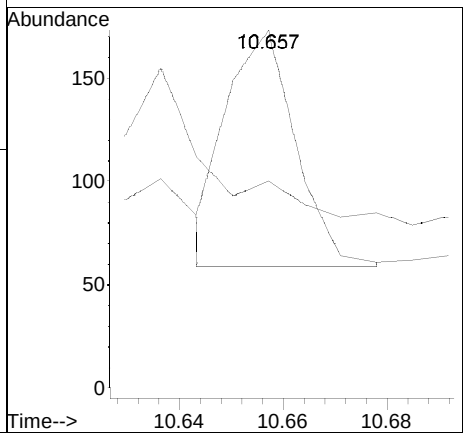


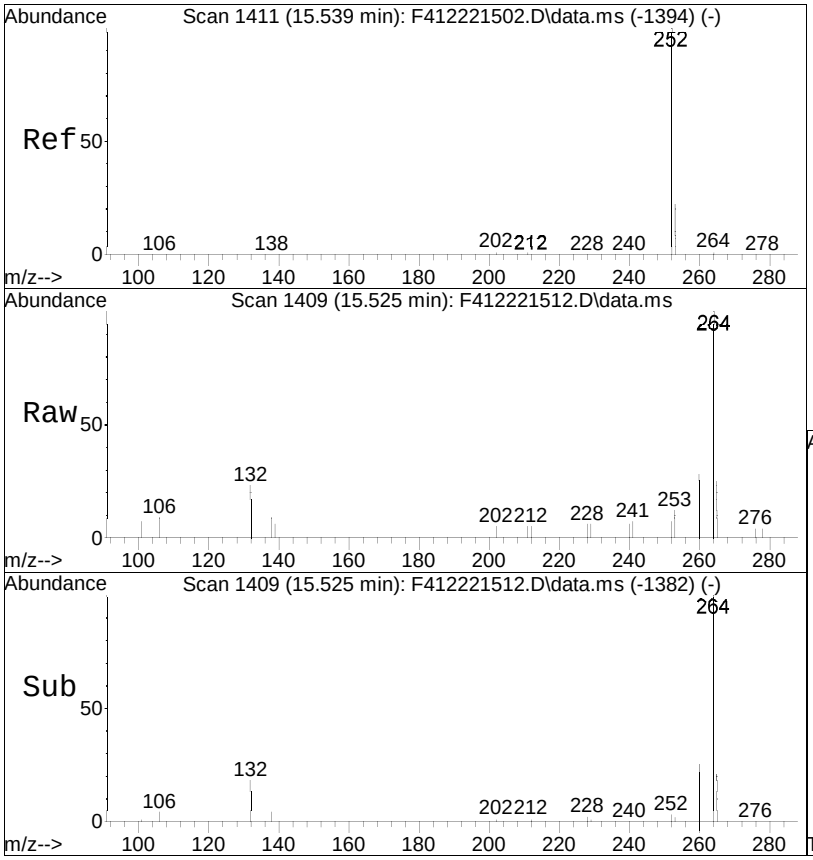


#19
Phenanthrene
Concen: 0.56 ng/mL M4
RT: 10.657 min Scan# 707
Delta R.T. 0.002 min
Lab File: F412221512.D
Acq: 22 Dec 2015 8:28 pm

Tgt Ion:178 Resp: 105

Ion	Ratio	Lower	Upper
178	100		
179	57.8	11.9	17.9#

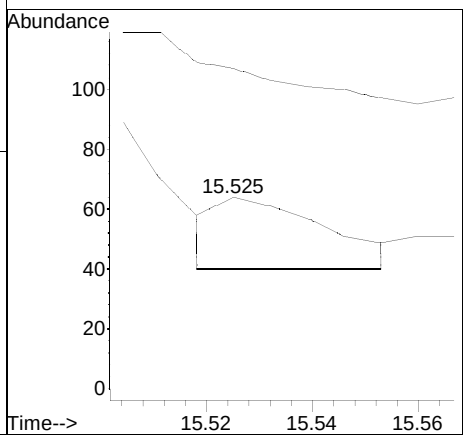


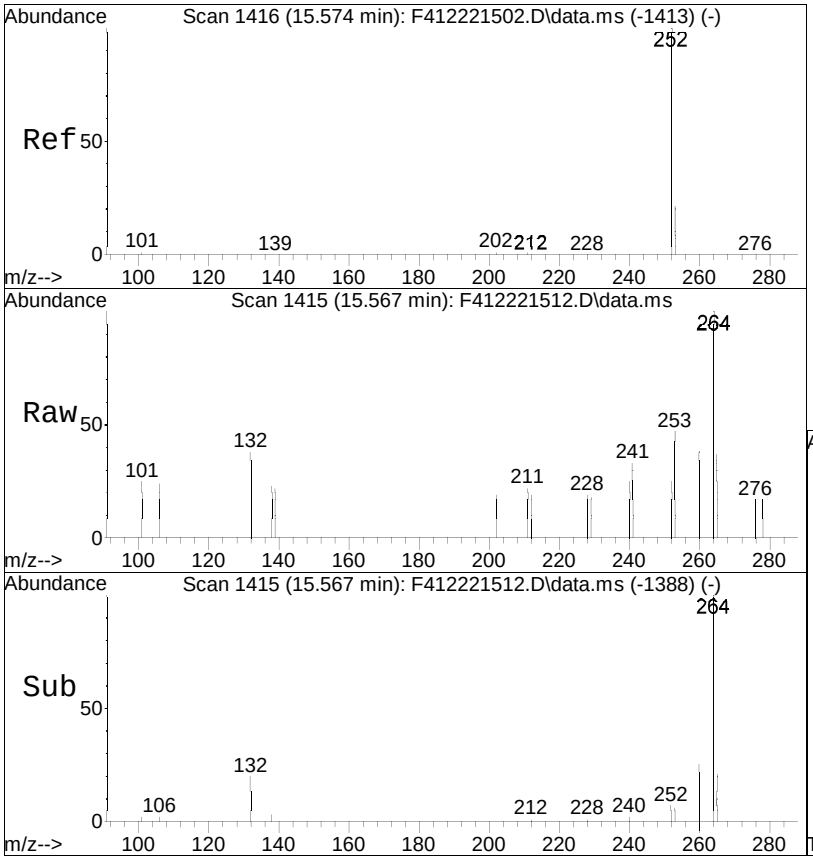


#32
Benzo[b]fluoranthene
Concen: 7.12 ng/mL M4
RT: 15.525 min Scan# 1409
Delta R.T. -0.011 min
Lab File: F412221512.D
Acq: 22 Dec 2015 8:28 pm

Tgt Ion:252 Resp: 34

Ion	Ratio	Lower	Upper
252	100		
253	167.2	17.1	25.7#

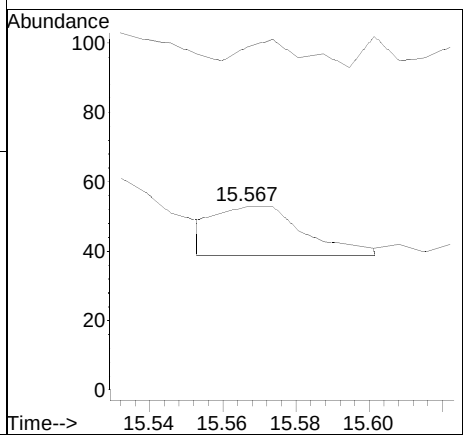


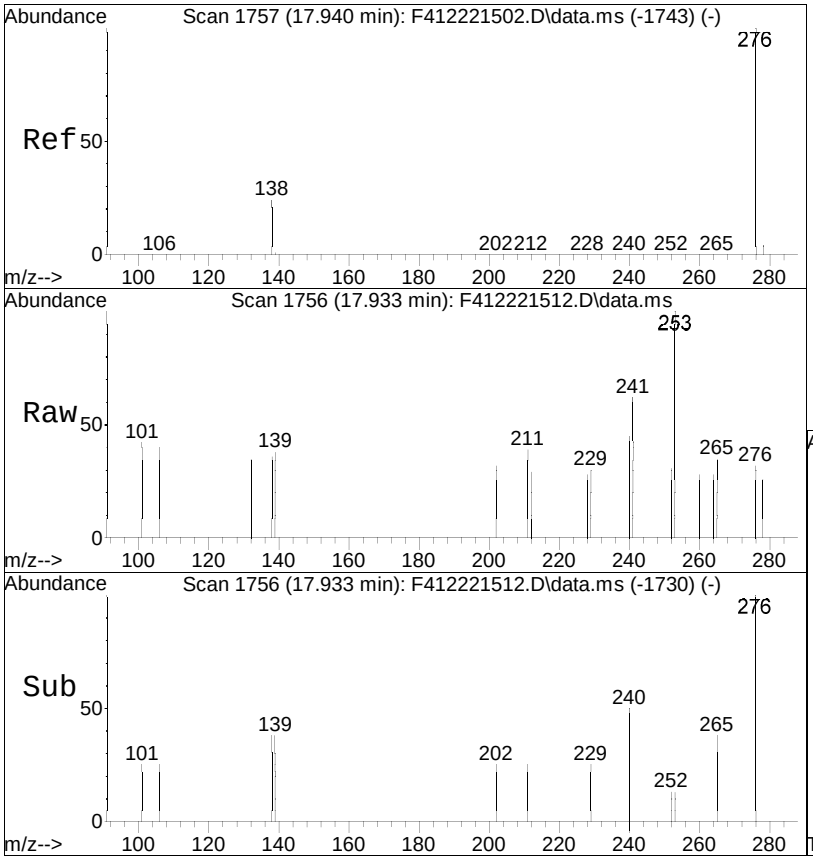


#33
Benzo[k]fluoranthene
Concen: 2.77 ng/mL M4
RT: 15.567 min Scan# 1415
Delta R.T. -0.011 min
Lab File: F412221512.D
Acq: 22 Dec 2015 8:28 pm

Tgt Ion:252 Resp: 23

Ion	Ratio	Lower	Upper
252	100		
253	186.8	17.2	25.8#

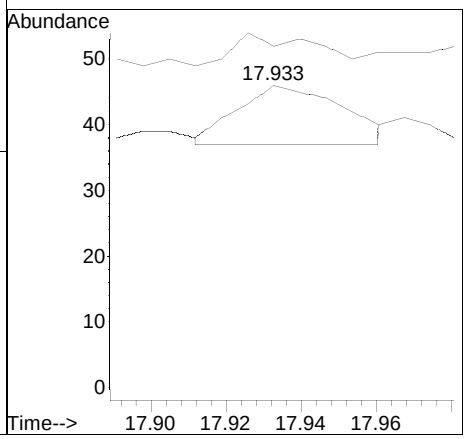




#37
Indeno[1,2,3-cd]pyrene
Concen: 6.23 ng/mL M4
RT: 17.933 min Scan# 1756
Delta R.T. -0.011 min
Lab File: F412221512.D
Acq: 22 Dec 2015 8:28 pm

Tgt Ion:276 Resp: 17

Ion	Ratio	Lower	Upper
276	100		
138	113.0	20.3	30.5#



LCS Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221513.D
Acq On : 22 Dec 2015 8:59 pm
Operator : BNA4:SF
Sample : WG851972-2
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 28 16:23:15 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.440	136	86324	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.191	164	42309	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.637	188	81259	500.000	ng/mL	0.00
24) Chrysene-d12	13.784	240	64314	500.000	ng/mL	-0.01
29) Perylene-d12	16.163	264	56050	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.116	152	35356	378.305	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 7.57%#			
25) Pyrene-d10	12.105	212	54411	435.982	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.72%#			
31) Benzo[b]fluoranthene-d12	15.491	264	37625	410.051	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.20%#			
Target Compounds						Qvalue
2) Naphthalene	7.462	128	67807	372.569	ng/mL	100
5) 2-Methylnaphthalene	8.145	142	46210	404.717	ng/mL	99
12) Acenaphthylene	9.039	152	72904	432.350	ng/mL	98
13) Acenaphthene	9.220	153	45218	393.916	ng/mL	97
15) Fluorene	9.716	166	52808	427.026	ng/mL	98
19) Phenanthrene	10.657	178	76662	428.767	ng/mL	100
20) Anthracene	10.699	178	72798	442.620	ng/mL	99
23) Fluoranthene	11.869	202	80147	451.062	ng/mL	98
26) Pyrene	12.126	202	82171	427.661	ng/mL	96
27) Benz[a]anthracene	13.763	228	67710	443.467	ng/mL	99
28) Chrysene	13.825	228	63674	426.473	ng/mL	99
32) Benzo[b]fluoranthene	15.532	252	64158	407.703	ng/mL	99
33) Benzo[k]fluoranthene	15.567	252	56167	439.402	ng/mL	99
35) Benzo[a]pyrene	16.066	252	57280M4	409.571	ng/mL	
37) Indeno[1,2,3-cd]pyrene	17.933	276	51856M4	423.169	ng/mL	
38) Dibenz[a,h]anthracene	17.974	278	52771	418.051	ng/mL	98
39) Benzo[g,h,i]perylene	18.398	276	54879	416.504	ng/mL	92

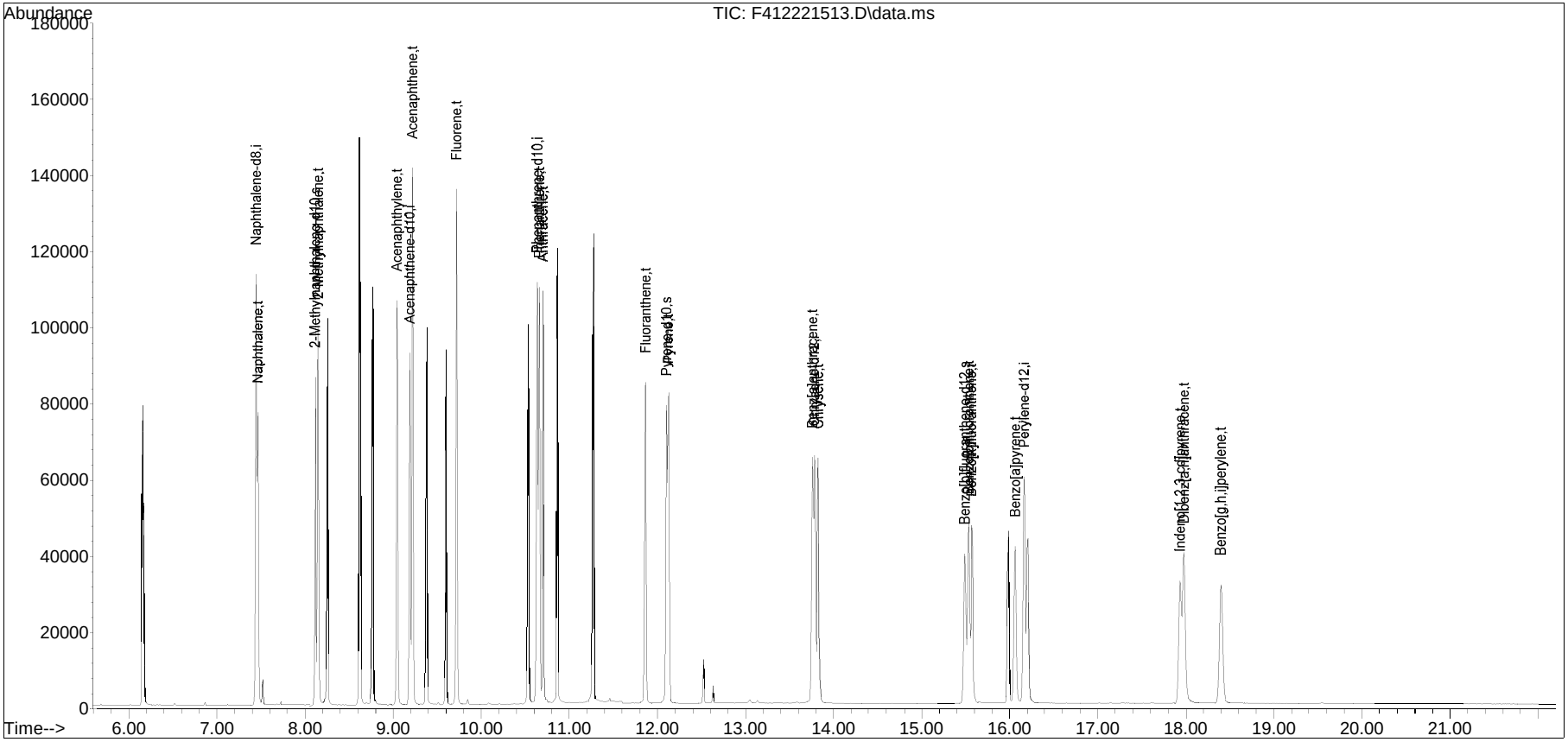
(#) = qualifier out of range (m) = manual integration (+) = signals summed

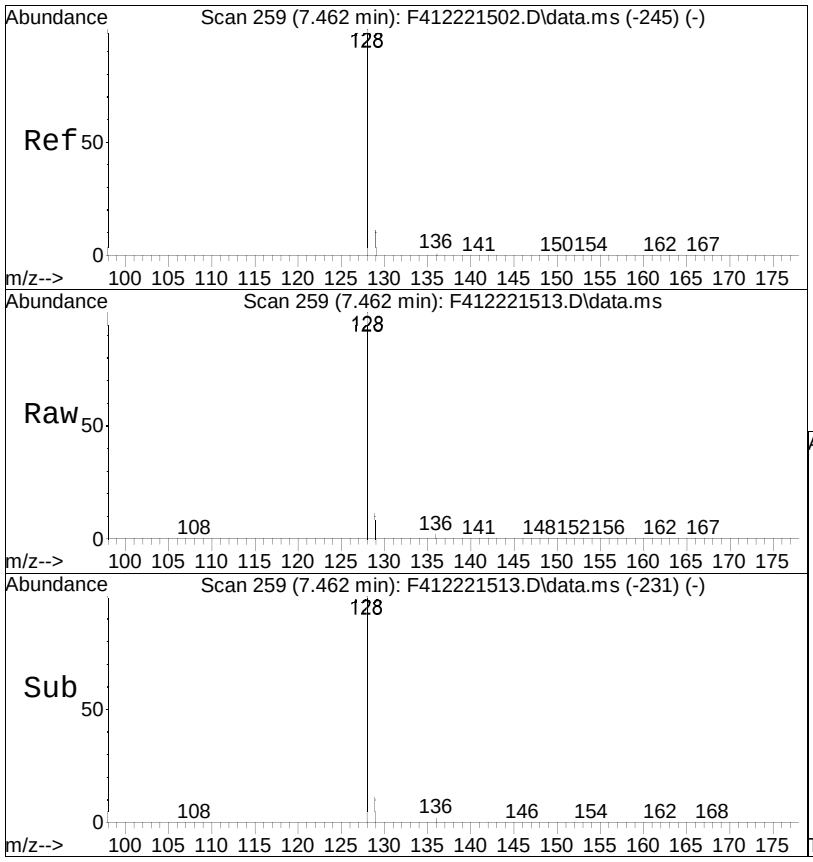
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221513.D
Acq On : 22 Dec 2015 8:59 pm
Operator : BNA4:SF
Sample : WG851972-2
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 28 16:23:15 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

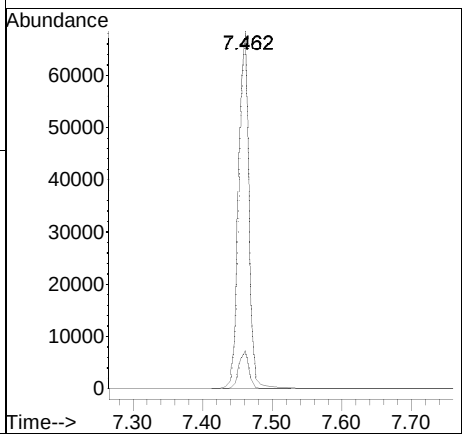


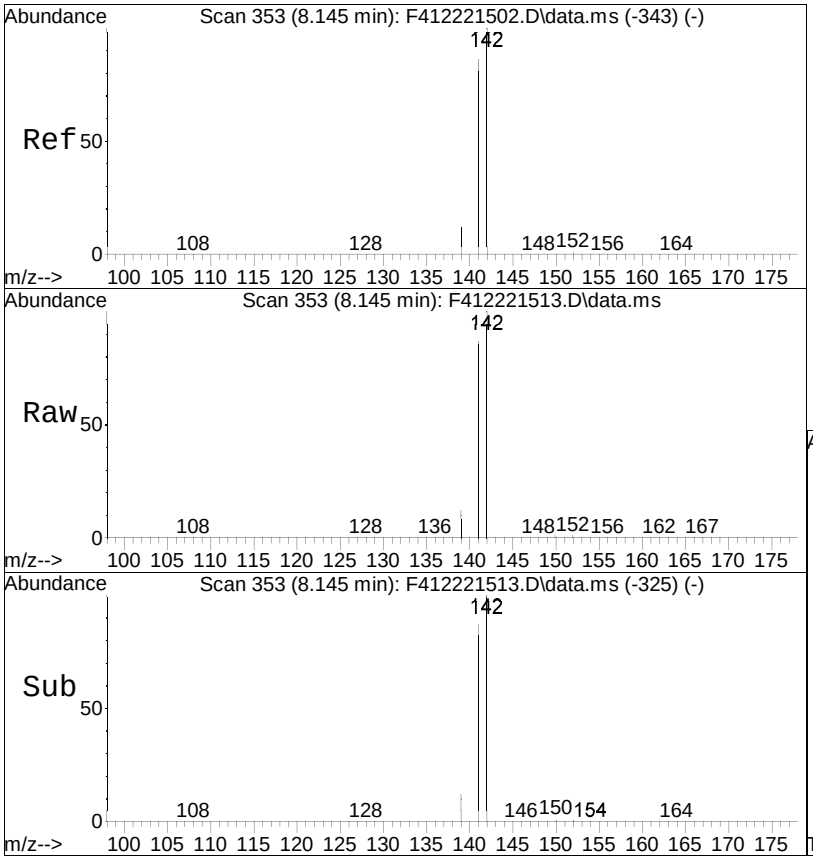


#2
Naphthalene
Concen: 372.57 ng/mL
RT: 7.462 min Scan# 259
Delta R.T. 0.000 min
Lab File: F412221513.D
Acq: 22 Dec 2015 8:59 pm

Tgt Ion:128 Resp: 67807

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1

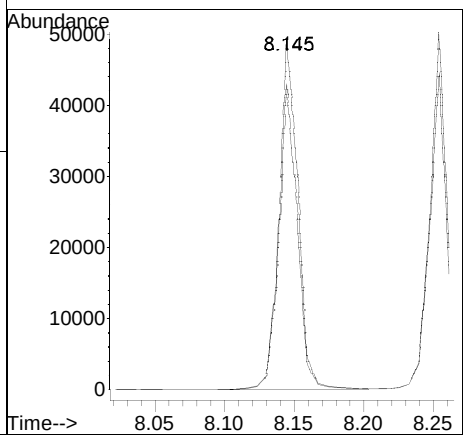


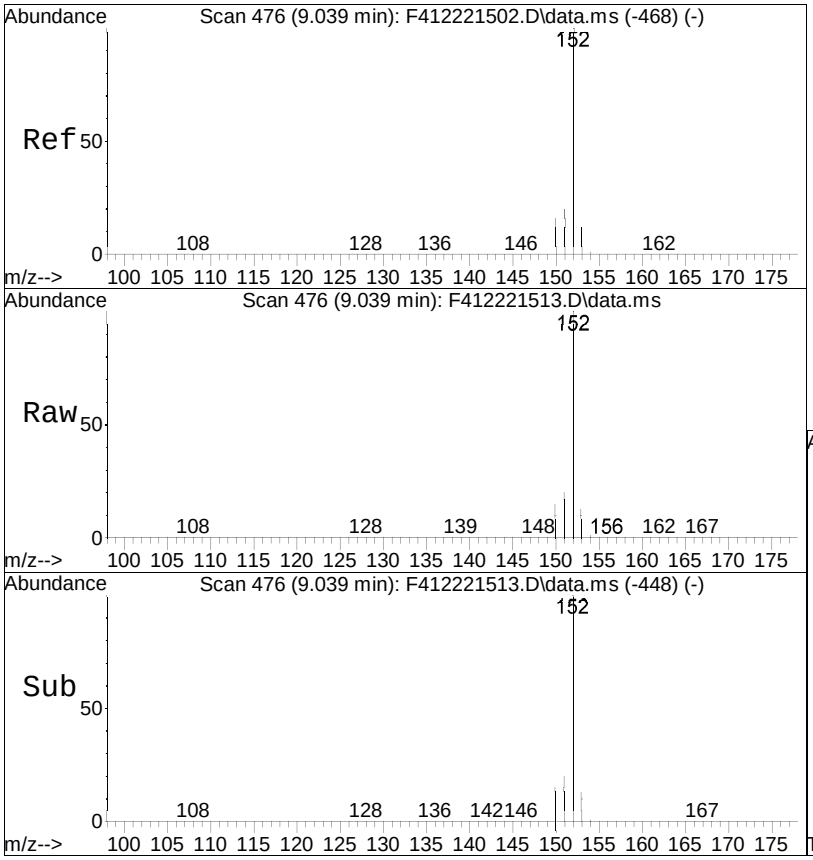


#5
2-Methylnaphthalene
Concen: 404.72 ng/mL
RT: 8.145 min Scan# 353
Delta R.T. 0.000 min
Lab File: F412221513.D
Acq: 22 Dec 2015 8:59 pm

Tgt Ion:142 Resp: 46210

Ion	Ratio	Lower	Upper
142	100		
141	87.3	68.8	103.2

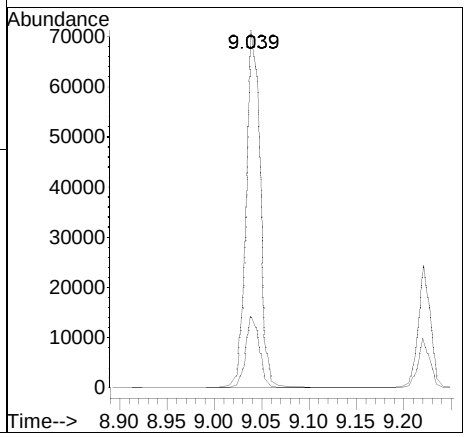


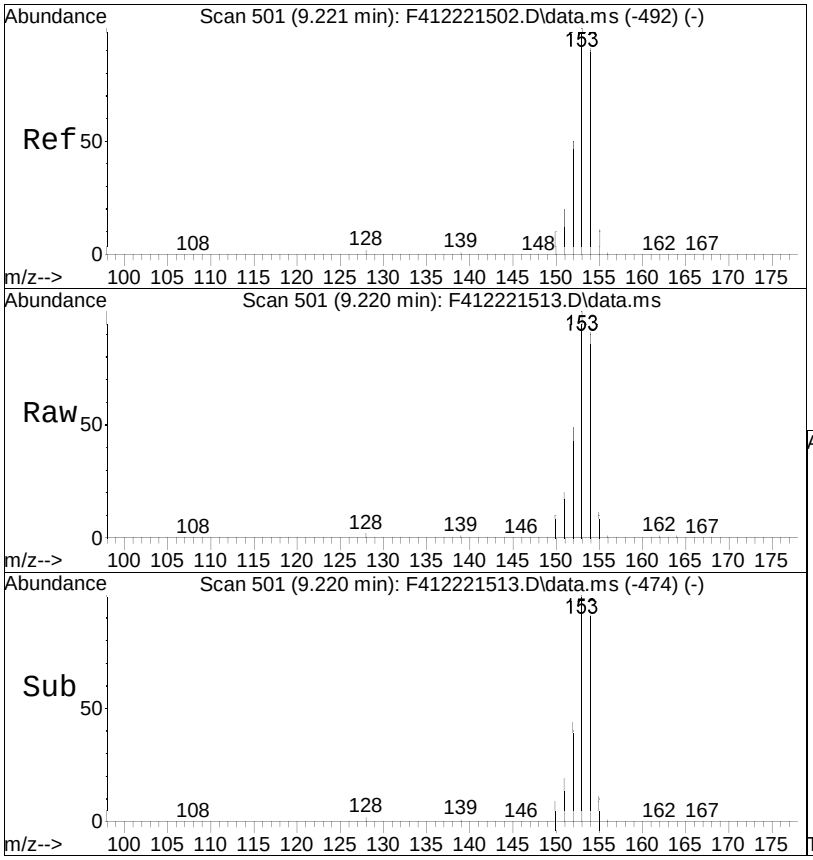


#12
Acenaphthylene
Concen: 432.35 ng/mL
RT: 9.039 min Scan# 476
Delta R.T. 0.000 min
Lab File: F412221513.D
Acq: 22 Dec 2015 8:59 pm

Tgt Ion:152 Resp: 72904

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.4	23.0

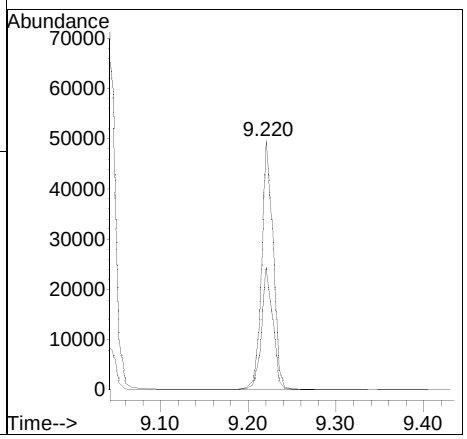


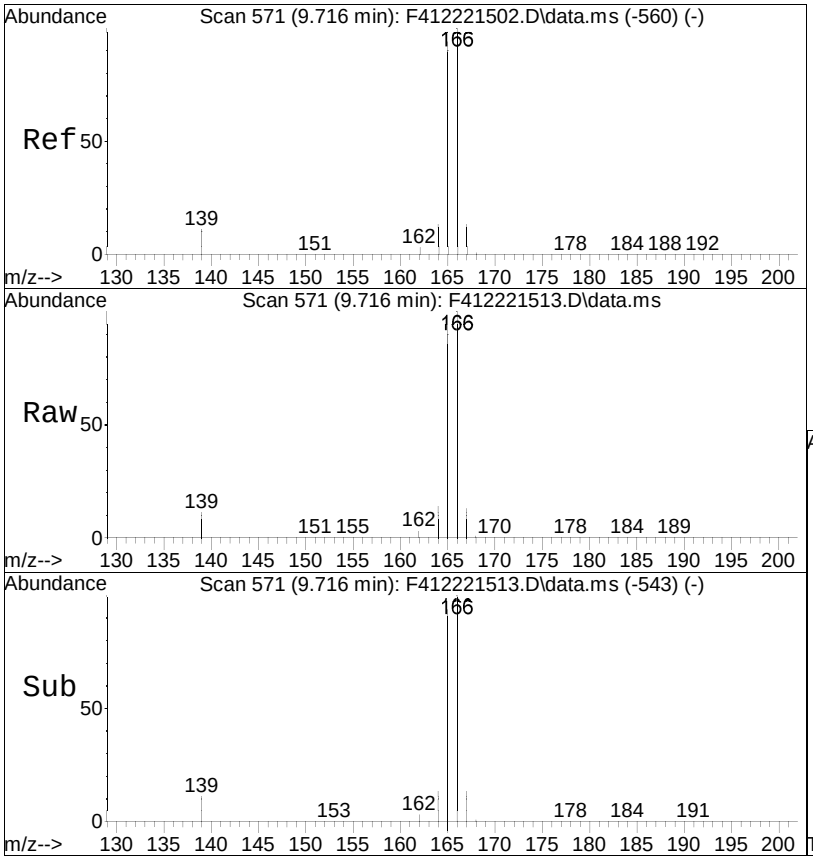


#13
Acenaphthene
Concen: 393.92 ng/mL
RT: 9.220 min Scan# 501
Delta R.T. 0.000 min
Lab File: F412221513.D
Acq: 22 Dec 2015 8:59 pm

Tgt Ion:153 Resp: 45218

Ion	Ratio	Lower	Upper
153	100		
152	49.4	37.8	56.8

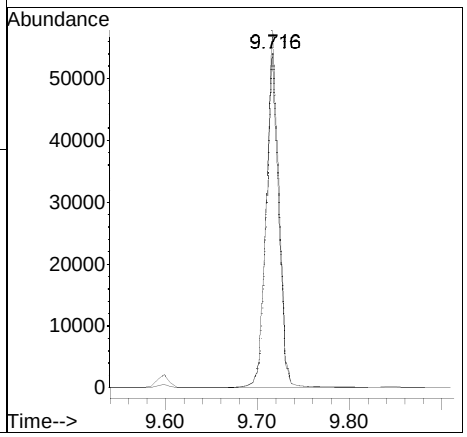


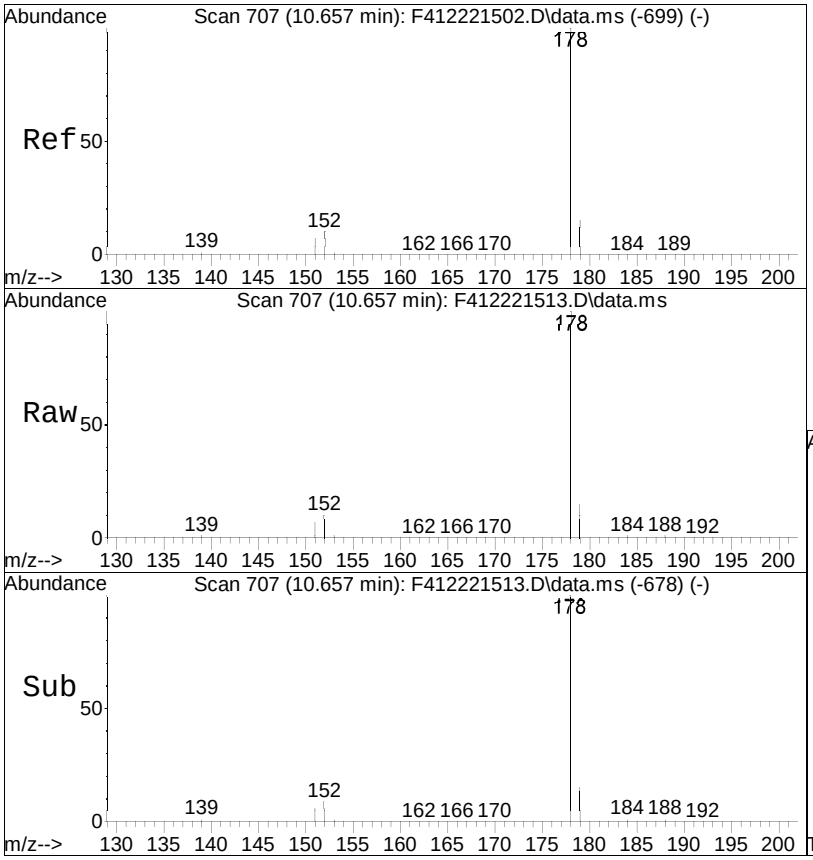


#15
Fluorene
Concen: 427.03 ng/mL
RT: 9.716 min Scan# 571
Delta R.T. -0.005 min
Lab File: F412221513.D
Acq: 22 Dec 2015 8:59 pm

Tgt Ion:166 Resp: 52808

Ion	Ratio	Lower	Upper
166	100		
165	93.6	73.2	109.8

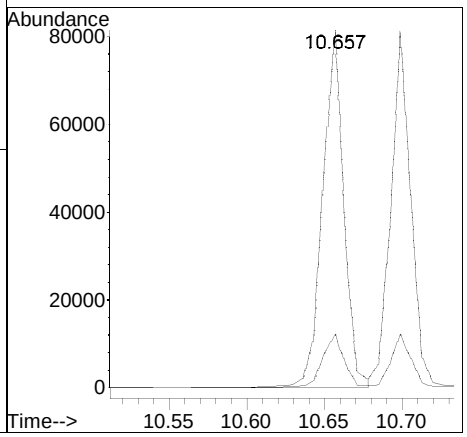


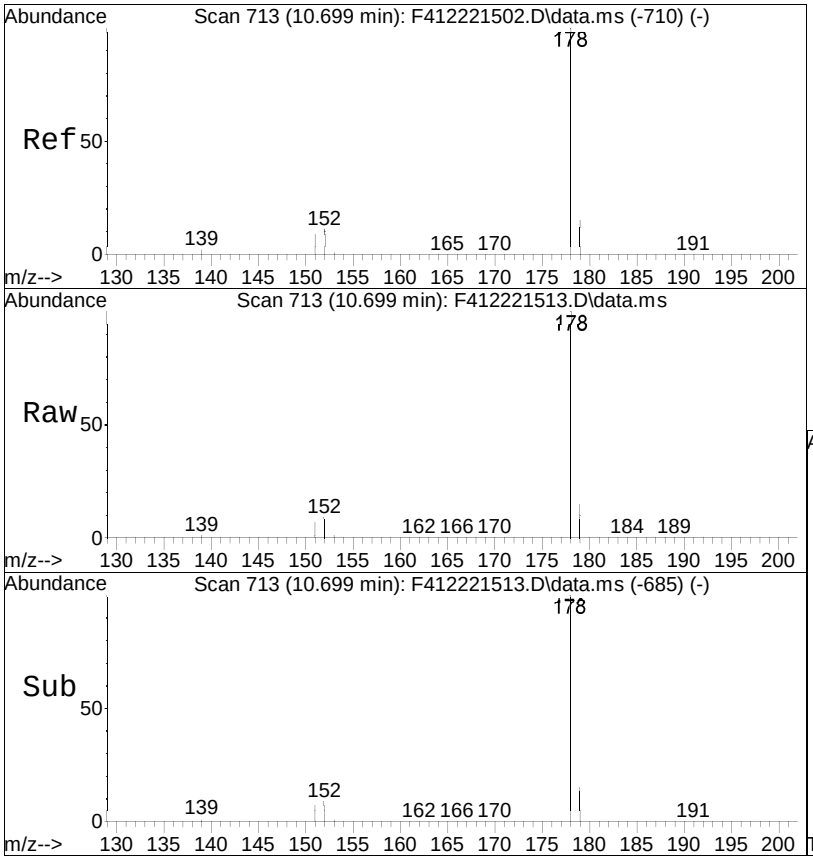


#19
Phenanthrene
Concen: 428.77 ng/mL
RT: 10.657 min Scan# 707
Delta R.T. 0.002 min
Lab File: F412221513.D
Acq: 22 Dec 2015 8:59 pm

Tgt Ion:178 Resp: 76662

Ion	Ratio	Lower	Upper
178	100		
179	15.0	11.9	17.9

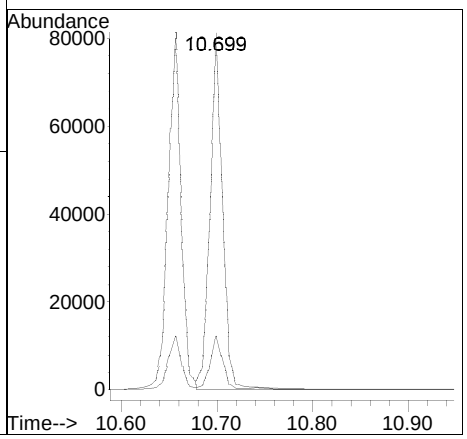


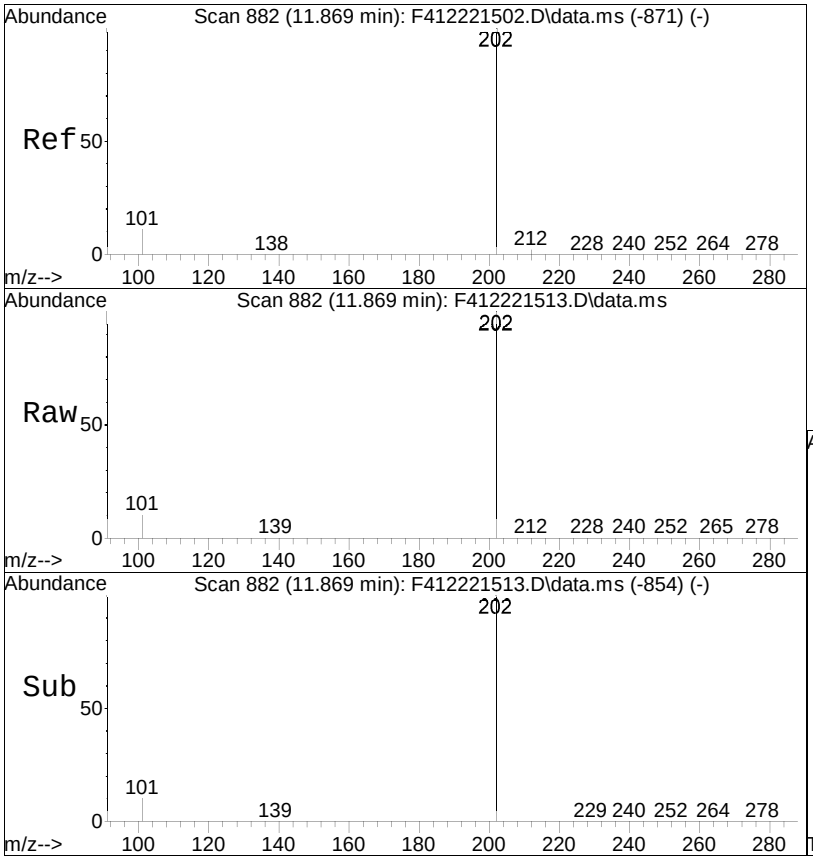


#20
Anthracene
Concen: 442.62 ng/mL
RT: 10.699 min Scan# 713
Delta R.T. -0.004 min
Lab File: F412221513.D
Acq: 22 Dec 2015 8:59 pm

Tgt Ion:178 Resp: 72798

Ion	Ratio	Lower	Upper
178	100		
179	15.1	11.8	17.8

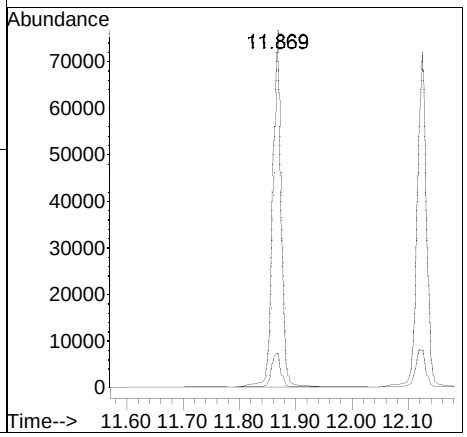


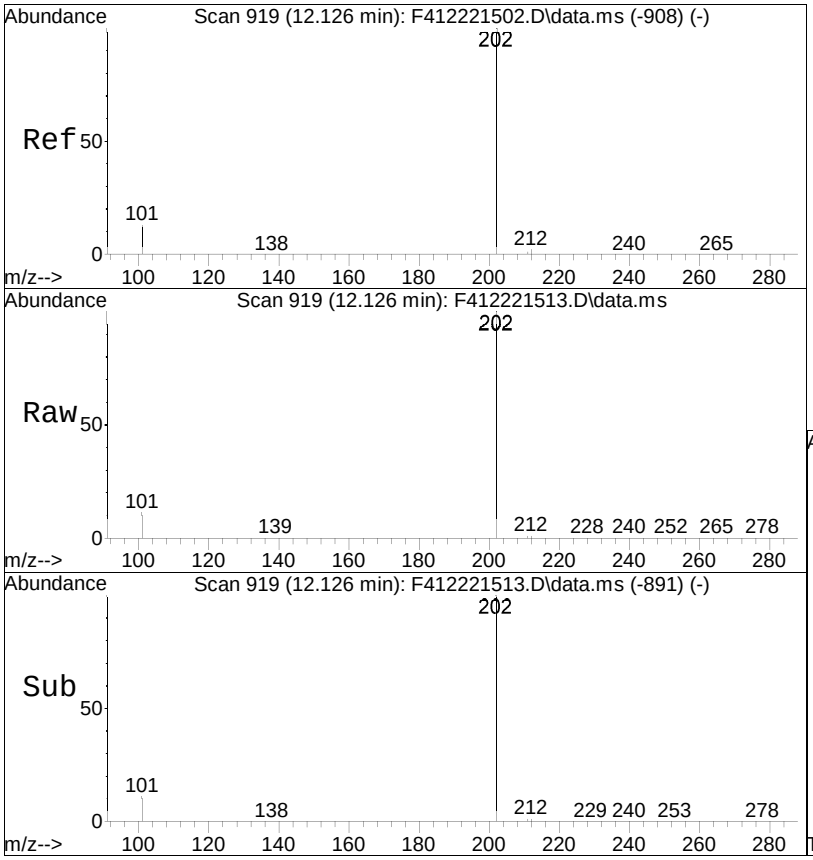


#23
Fluoranthene
Concen: 451.06 ng/mL
RT: 11.869 min Scan# 882
Delta R.T. -0.004 min
Lab File: F412221513.D
Acq: 22 Dec 2015 8:59 pm

Tgt Ion:202 Resp: 80147

Ion	Ratio	Lower	Upper
202	100		
101	9.8	8.3	12.5

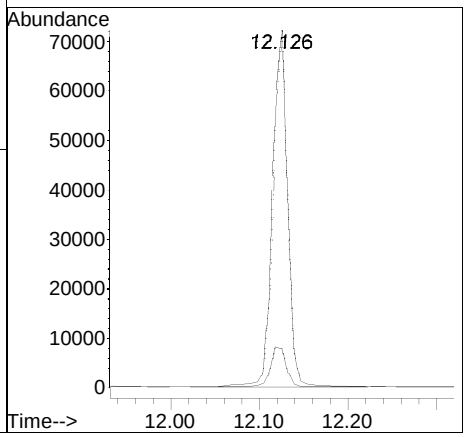


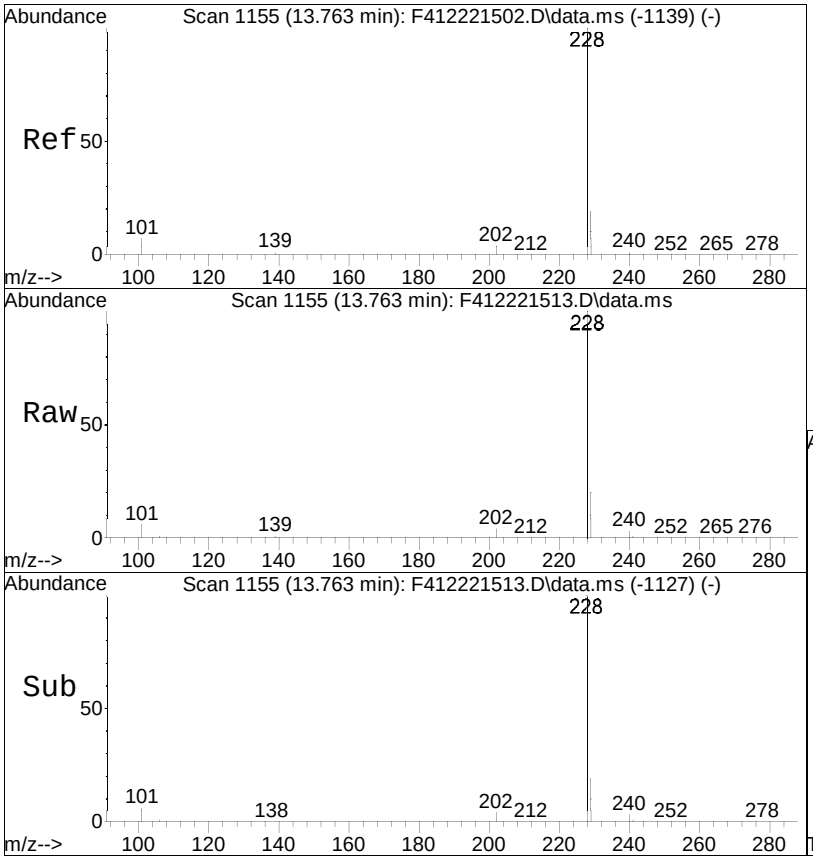


#26
Pyrene
Concen: 427.66 ng/mL
RT: 12.126 min Scan# 919
Delta R.T. -0.004 min
Lab File: F412221513.D
Acq: 22 Dec 2015 8:59 pm

Tgt Ion:202 Resp: 82171

Ion	Ratio	Lower	Upper
202	100		
101	11.1	10.1	15.1

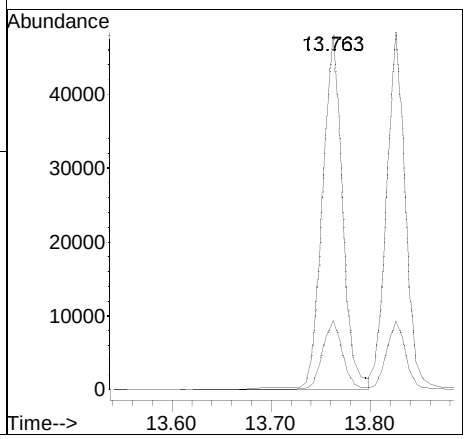


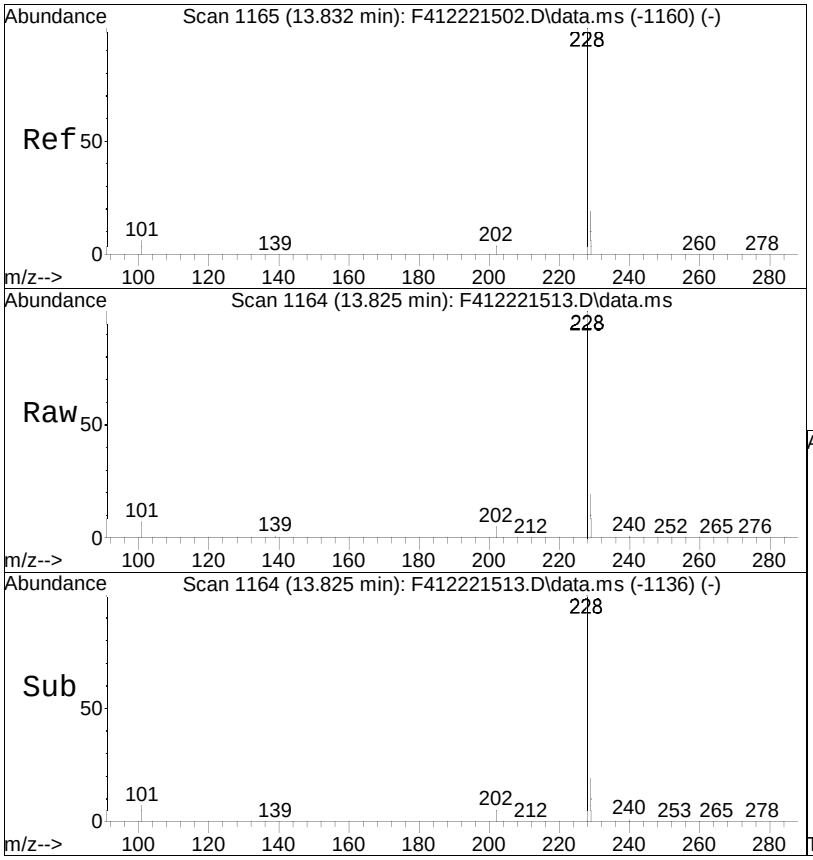


#27
Benz[a]anthracene
Concen: 443.47 ng/mL
RT: 13.763 min Scan# 1155
Delta R.T. -0.004 min
Lab File: F412221513.D
Acq: 22 Dec 2015 8:59 pm

Tgt Ion:228 Resp: 67710

Ion	Ratio	Lower	Upper
228	100		
229	19.5	15.2	22.8

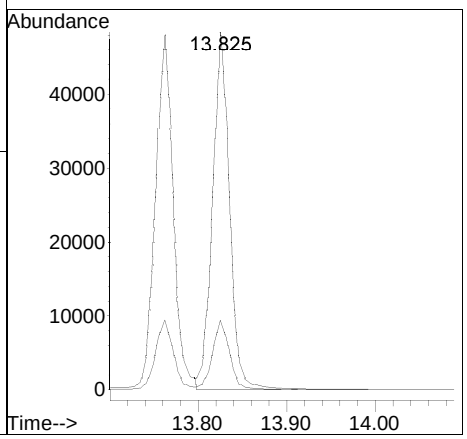


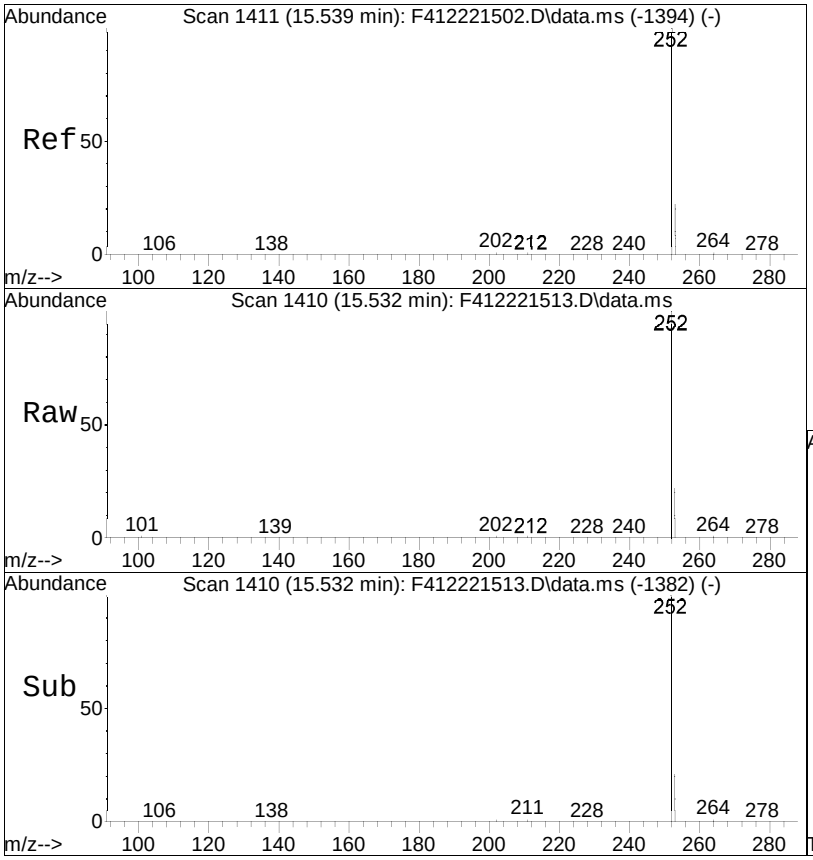


#28
Chrysene
Concen: 426.47 ng/mL
RT: 13.825 min Scan# 1164
Delta R.T. -0.004 min
Lab File: F412221513.D
Acq: 22 Dec 2015 8:59 pm

Tgt Ion:228 Resp: 63674

Ion	Ratio	Lower	Upper
228	100		
229	19.3	15.0	22.6

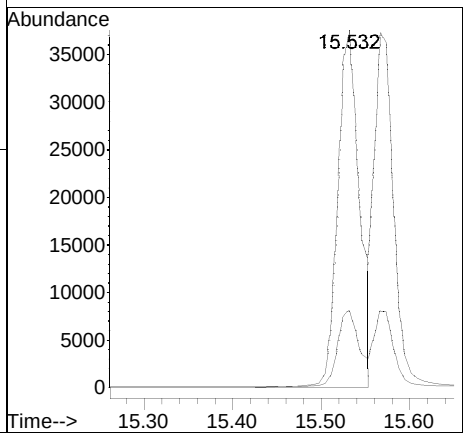


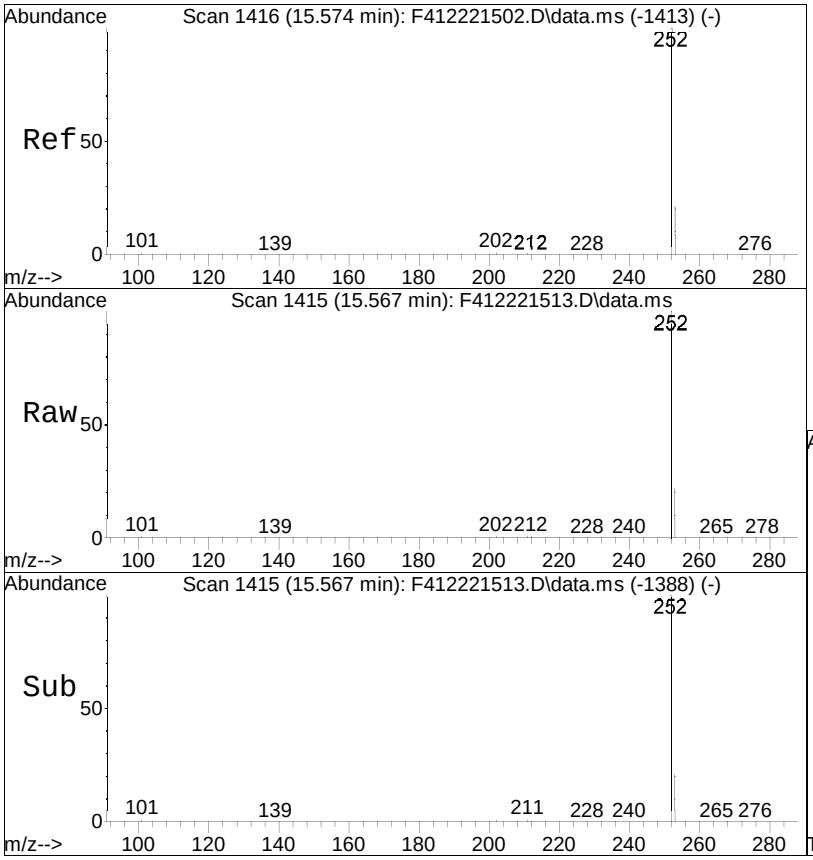


#32
Benzo[b]fluoranthene
Concen: 407.70 ng/mL
RT: 15.532 min Scan# 1410
Delta R.T. -0.004 min
Lab File: F412221513.D
Acq: 22 Dec 2015 8:59 pm

Tgt Ion:252 Resp: 64158

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7

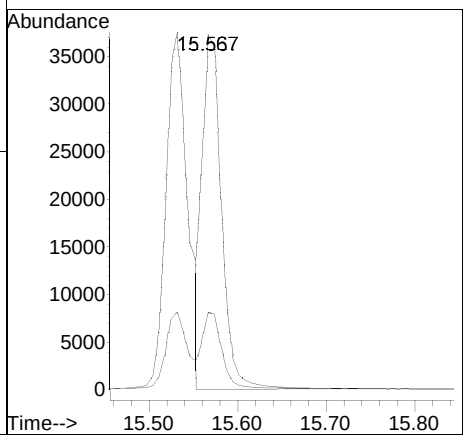


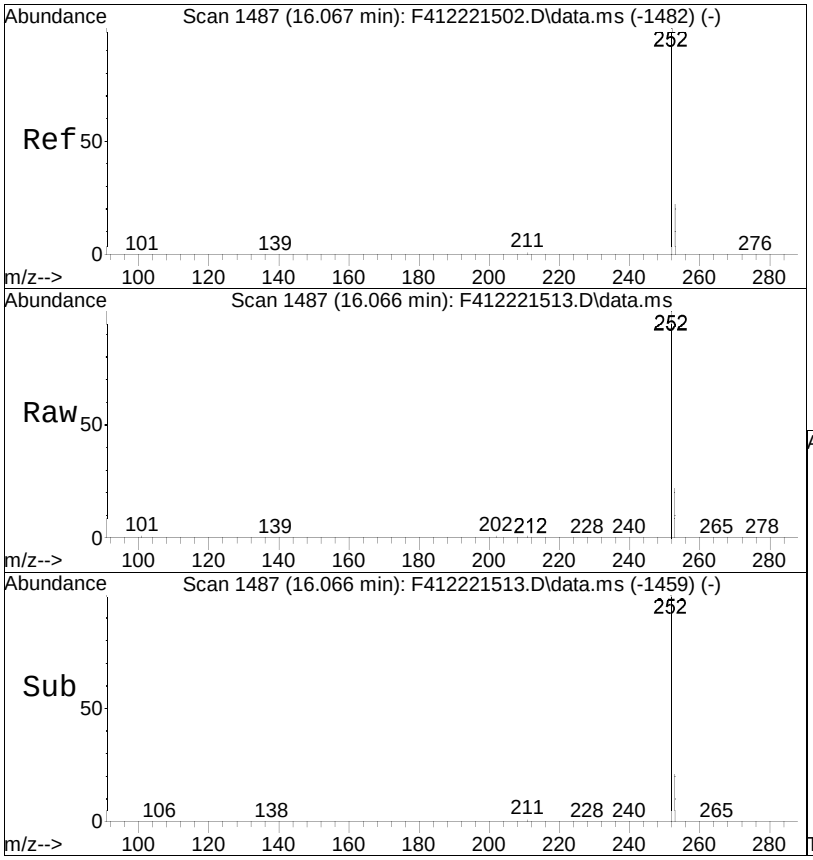


#33
Benzo[k]fluoranthene
Concen: 439.40 ng/mL
RT: 15.567 min Scan# 1415
Delta R.T. -0.011 min
Lab File: F412221513.D
Acq: 22 Dec 2015 8:59 pm

Tgt Ion:252 Resp: 56167

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8

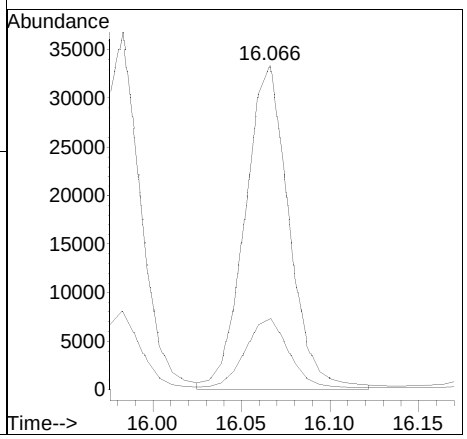


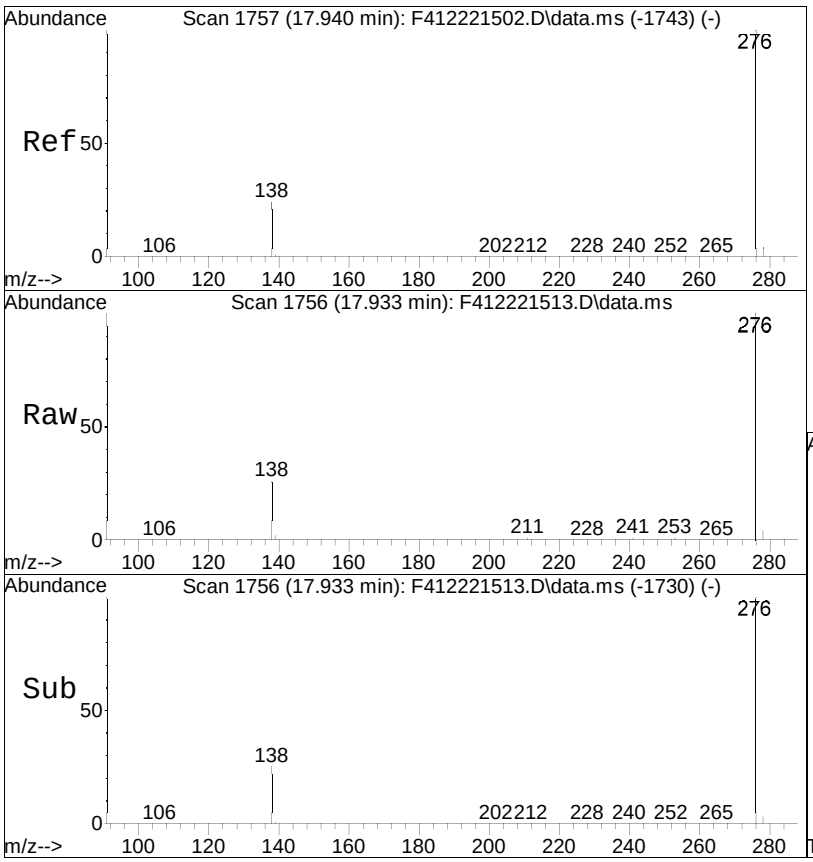


#35
Benzo[a]pyrene
Concen: 409.57 ng/mL M4
RT: 16.066 min Scan# 1487
Delta R.T. -0.004 min
Lab File: F412221513.D
Acq: 22 Dec 2015 8:59 pm

Tgt Ion:252 Resp: 57280

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9

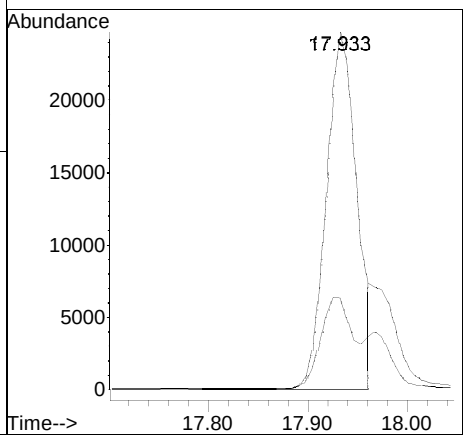


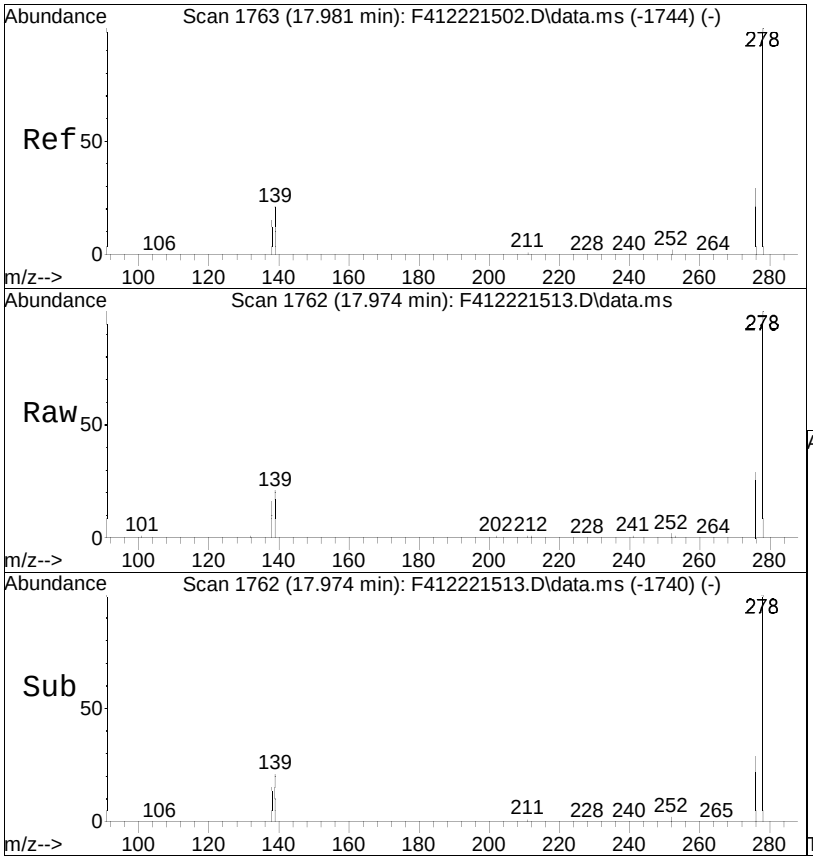


#37
Indeno[1,2,3-cd]pyrene
Concen: 423.17 ng/mL M4
RT: 17.933 min Scan# 1756
Delta R.T. -0.011 min
Lab File: F412221513.D
Acq: 22 Dec 2015 8:59 pm

Tgt Ion:276 Resp: 51856

Ion	Ratio	Lower	Upper
276	100		
138	25.7	20.3	30.5

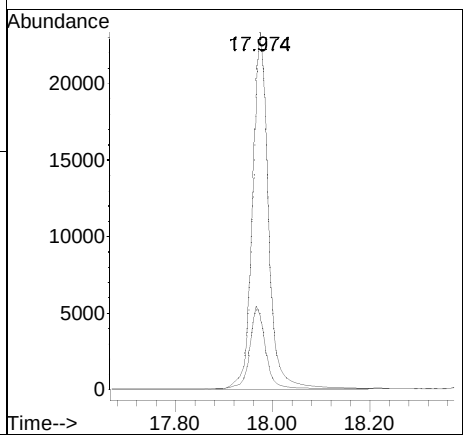


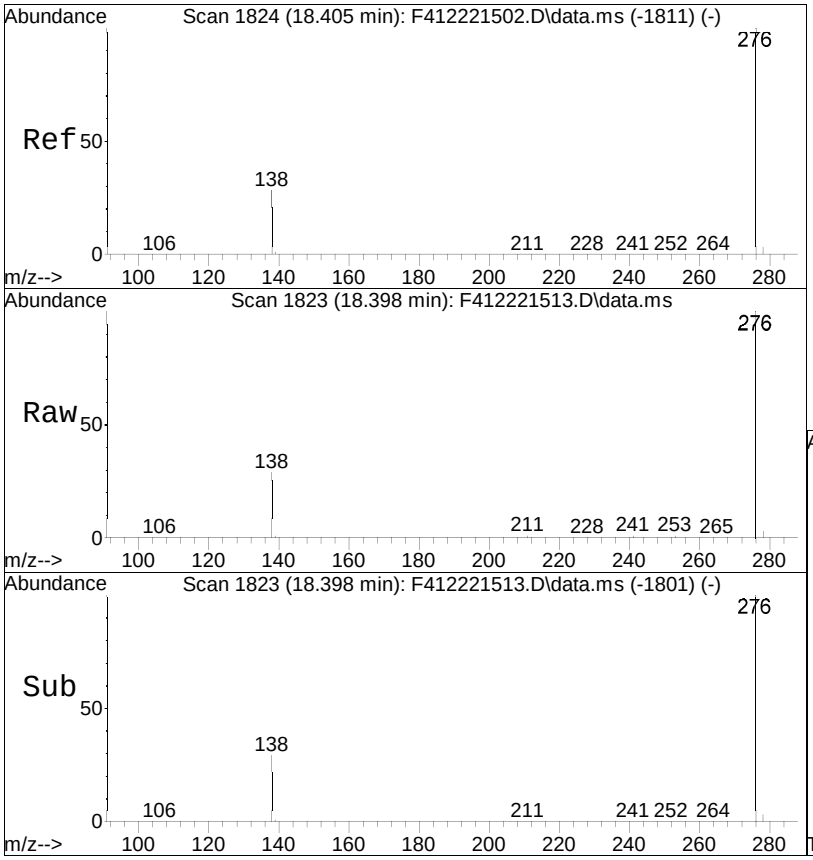


#38
Dibenz[a,h]anthracene
Concen: 418.05 ng/mL
RT: 17.974 min Scan# 1762
Delta R.T. -0.011 min
Lab File: F412221513.D
Acq: 22 Dec 2015 8:59 pm

Tgt Ion:278 Resp: 52771

Ion	Ratio	Lower	Upper
278	100		
139	21.4	16.3	24.5

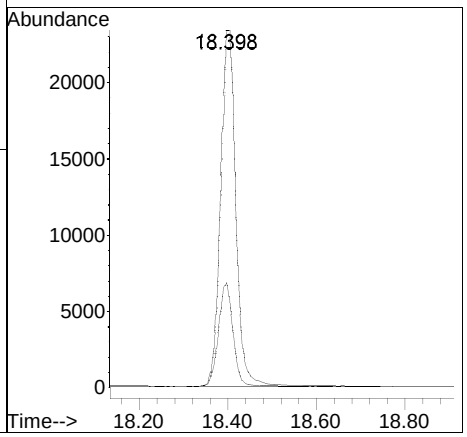




#39
Benzo[g,h,i]perylene
Concen: 416.50 ng/mL
RT: 18.398 min Scan# 1823
Delta R.T. -0.011 min
Lab File: F412221513.D
Acq: 22 Dec 2015 8:59 pm

Tgt Ion:276 Resp: 54879

Ion	Ratio	Lower	Upper
276	100		
138	29.5	20.2	30.4



LCS Duplicate Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221514.D
Acq On : 22 Dec 2015 9:29 pm
Operator : BNA4:SF
Sample : WG851972-3
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 28 16:23:55 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.440	136	89534	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.191	164	44150	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.636	188	85279	500.000	ng/mL	0.00
24) Chrysene-d12	13.791	240	69943	500.000	ng/mL	0.00
29) Perylene-d12	16.163	264	60059	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.116	152	34411	354.993	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 7.10%#			
25) Pyrene-d10	12.105	212	55195	406.671	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.13%#			
31) Benzo[b]fluoranthene-d12	15.497	264	39824	405.045	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.10%#			
Target Compounds						Qvalue
2) Naphthalene	7.462	128	65804	348.601	ng/mL	100
5) 2-Methylnaphthalene	8.145	142	45338	382.844	ng/mL	99
12) Acenaphthylene	9.039	152	71314	405.285	ng/mL	97
13) Acenaphthene	9.220	153	44083	368.015	ng/mL	96
15) Fluorene	9.716	166	52196	404.477	ng/mL	99
19) Phenanthrene	10.657	178	76372	407.009	ng/mL	99
20) Anthracene	10.699	178	73650	426.691	ng/mL	100
23) Fluoranthene	11.869	202	82473	442.273	ng/mL	98
26) Pyrene	12.125	202	84792	405.786	ng/mL	96
27) Benz[a]anthracene	13.763	228	69380	418.090	ng/mL	99
28) Chrysene	13.825	228	67855	417.900	ng/mL	99
32) Benzo[b]fluoranthene	15.532	252	65624	389.496	ng/mL	99
33) Benzo[k]fluoranthene	15.567	252	60511	441.772	ng/mL	100
35) Benzo[a]pyrene	16.066	252	59169M4	395.043	ng/mL	
37) Indeno[1,2,3-cd]pyrene	17.933	276	55559M4	423.124	ng/mL	
38) Dibenz[a,h]anthracene	17.974	278	54093	400.137	ng/mL	97
39) Benzo[g,h,i]perylene	18.404	276	56041	397.154	ng/mL	98

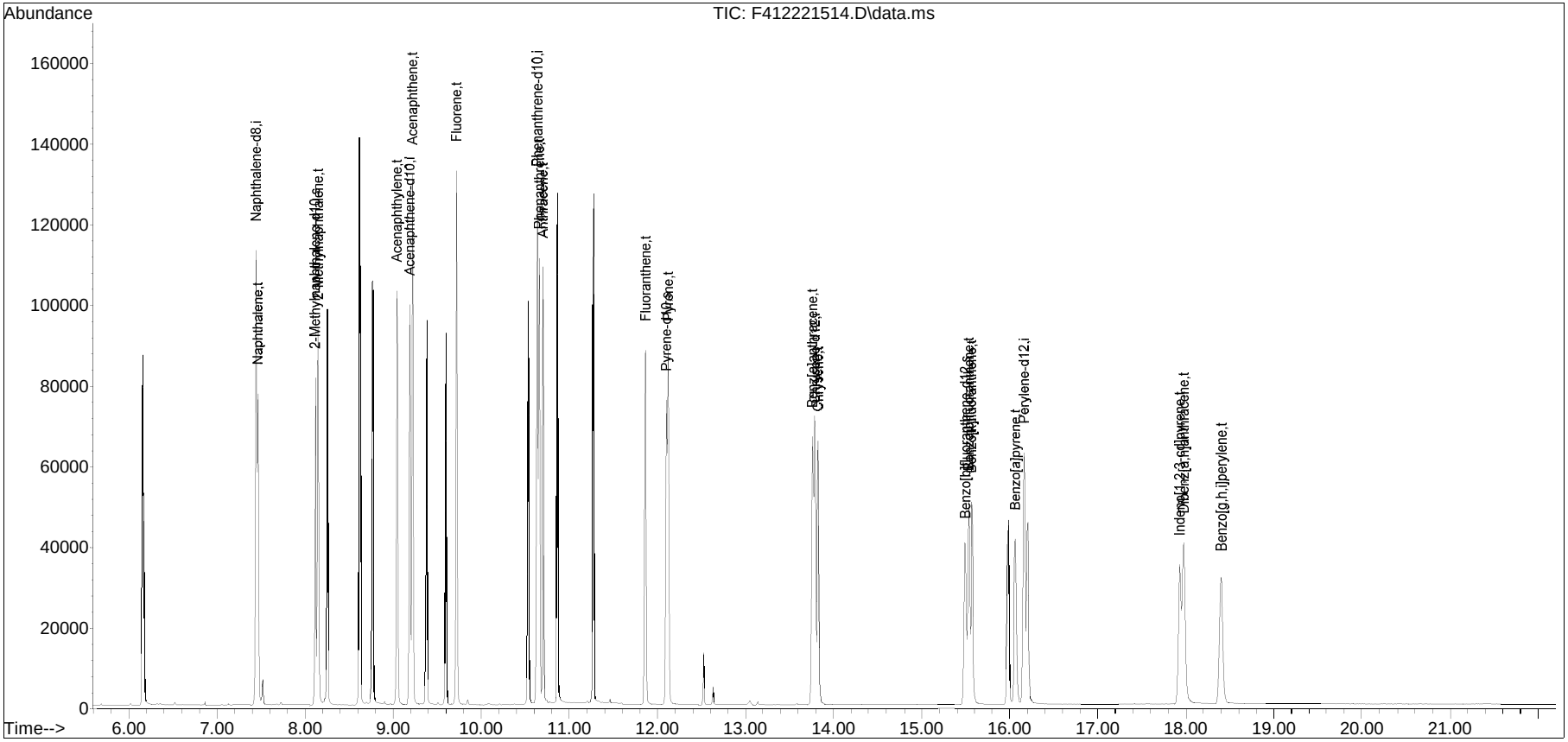
(#) = qualifier out of range (m) = manual integration (+) = signals summed

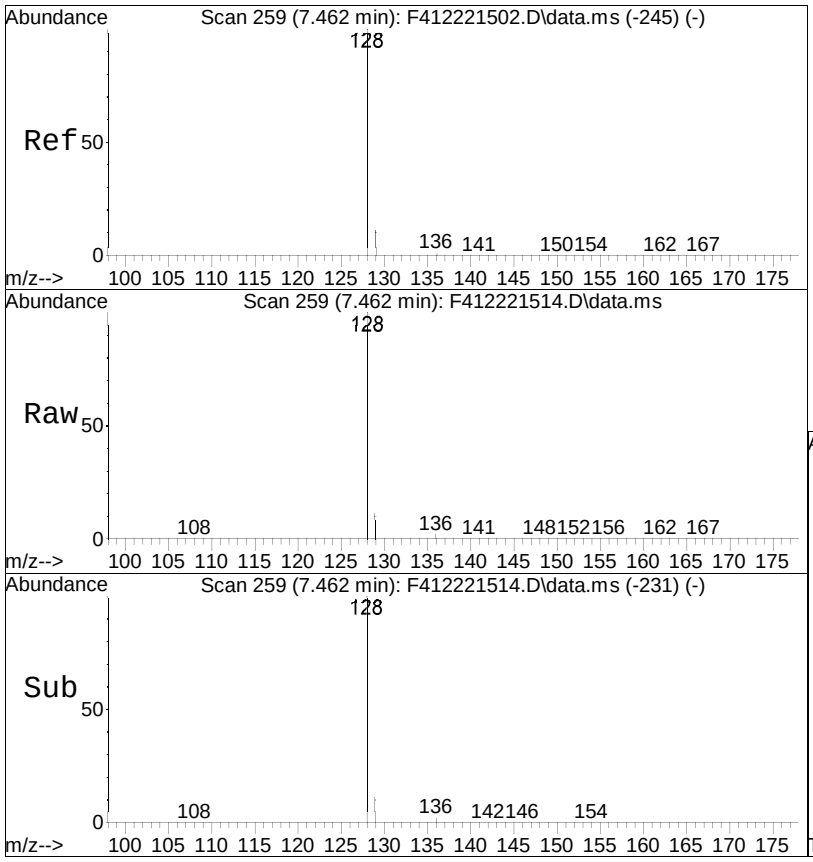
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221514.D
Acq On : 22 Dec 2015 9:29 pm
Operator : BNA4:SF
Sample : WG851972-3
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 28 16:23:55 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

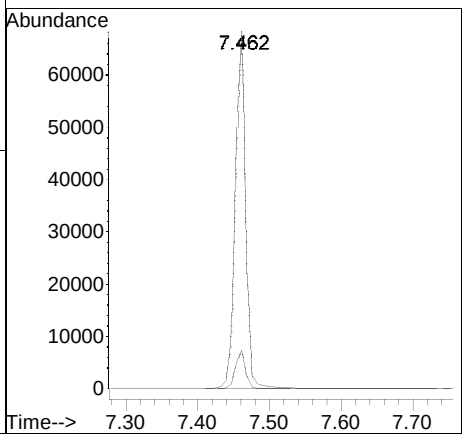


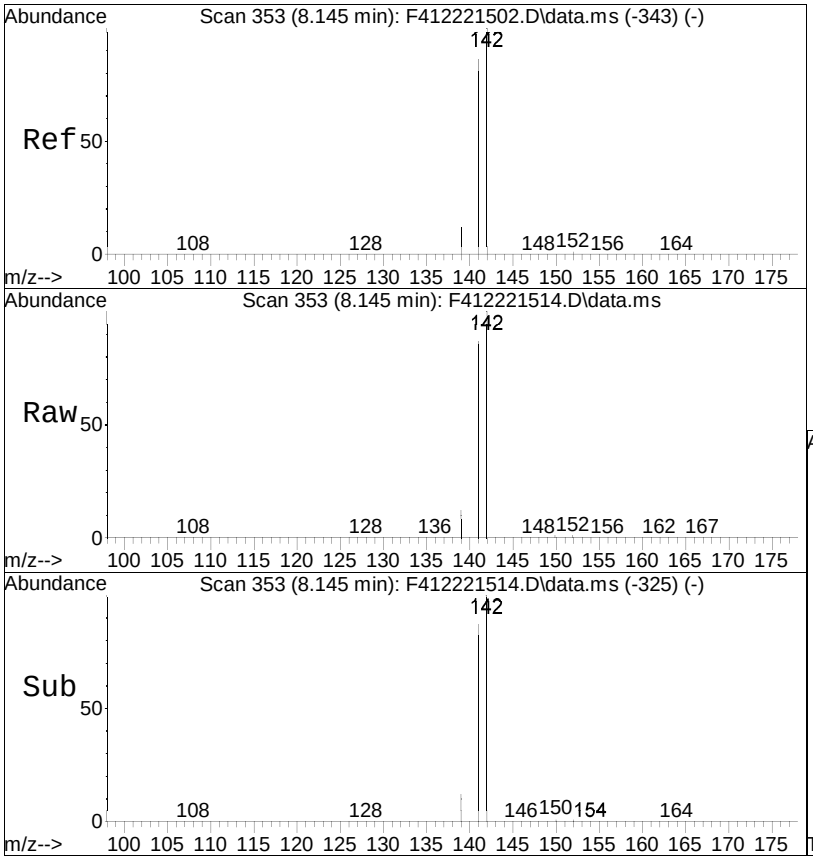


#2
Naphthalene
Concen: 348.60 ng/mL
RT: 7.462 min Scan# 259
Delta R.T. -0.000 min
Lab File: F412221514.D
Acq: 22 Dec 2015 9:29 pm

Tgt Ion:128 Resp: 65804

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1

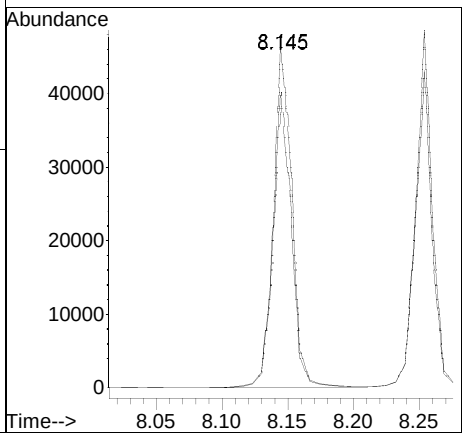


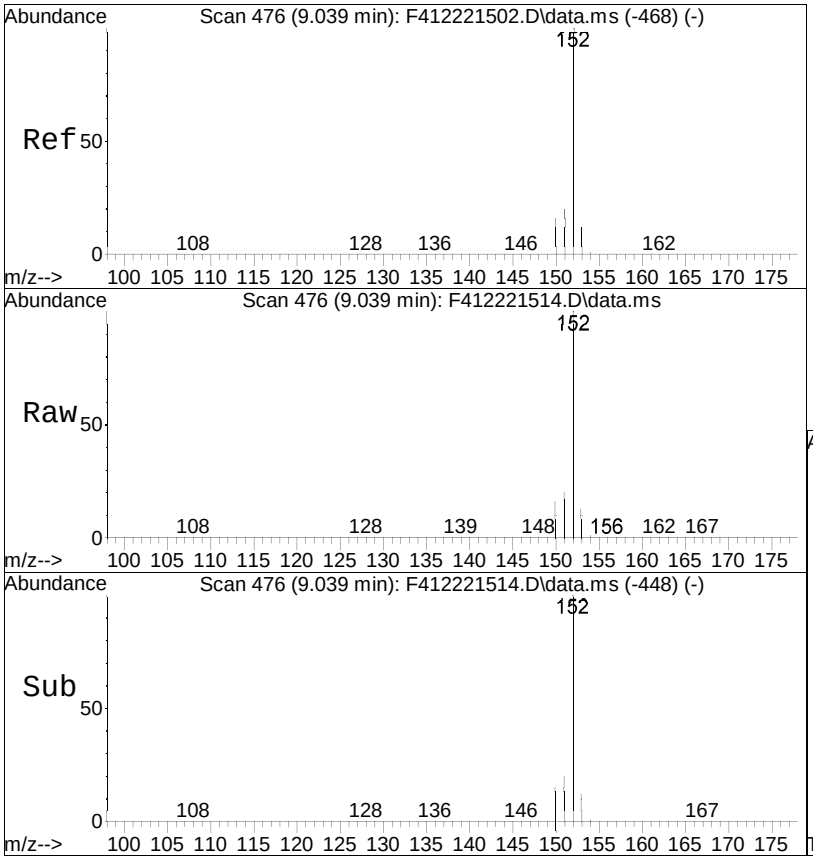


#5
2-Methylnaphthalene
Concen: 382.84 ng/mL
RT: 8.145 min Scan# 353
Delta R.T. -0.000 min
Lab File: F412221514.D
Acq: 22 Dec 2015 9:29 pm

Tgt Ion:142 Resp: 45338

Ion	Ratio	Lower	Upper
142	100		
141	86.5	68.8	103.2

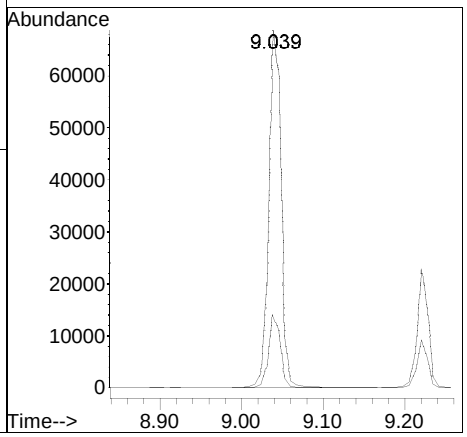


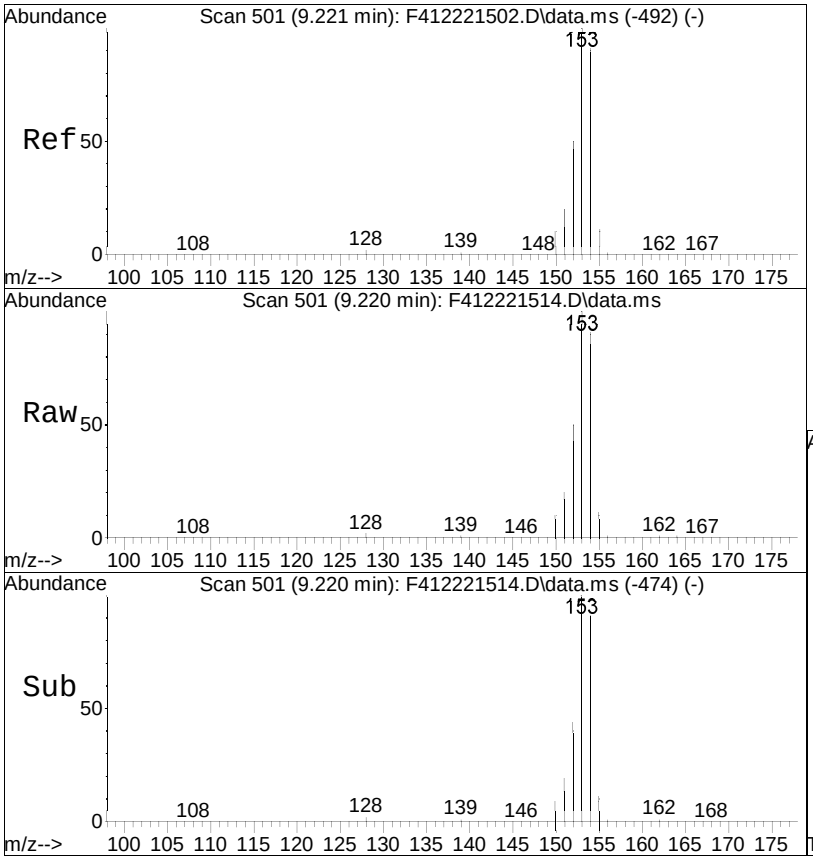


#12
Acenaphthylene
Concen: 405.29 ng/mL
RT: 9.039 min Scan# 476
Delta R.T. -0.000 min
Lab File: F412221514.D
Acq: 22 Dec 2015 9:29 pm

Tgt Ion:152 Resp: 71314

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.4	23.0

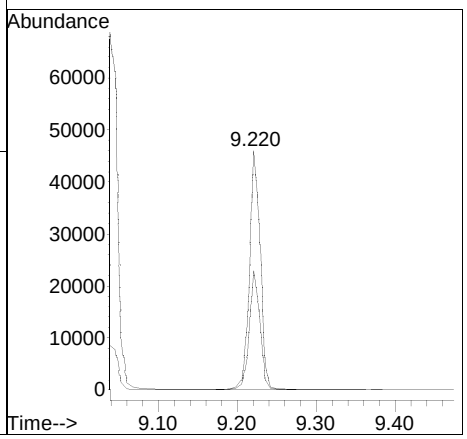


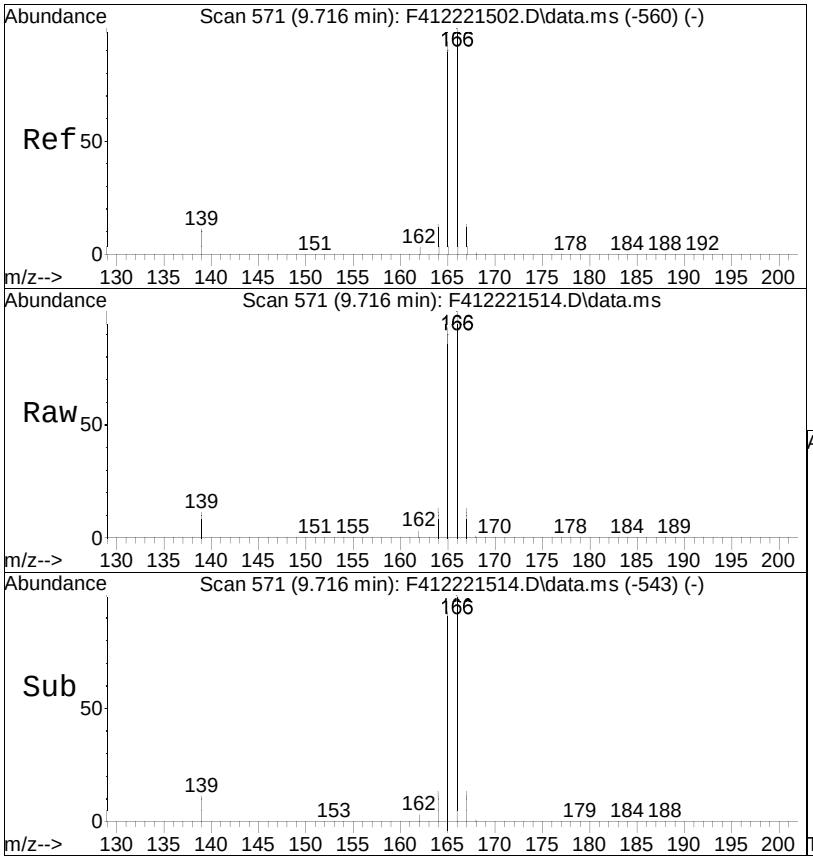


#13
Acenaphthene
Concen: 368.01 ng/mL
RT: 9.220 min Scan# 501
Delta R.T. -0.000 min
Lab File: F412221514.D
Acq: 22 Dec 2015 9:29 pm

Tgt Ion:153 Resp: 44083

Ion	Ratio	Lower	Upper
153	100		
152	49.9	37.8	56.8

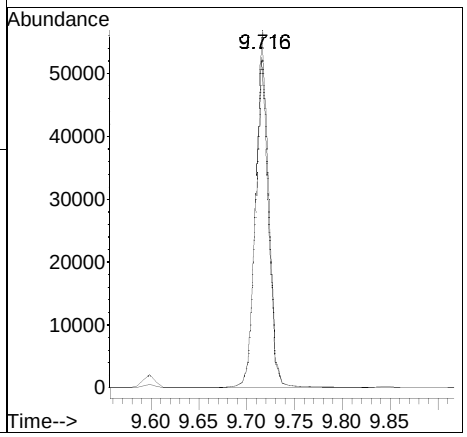


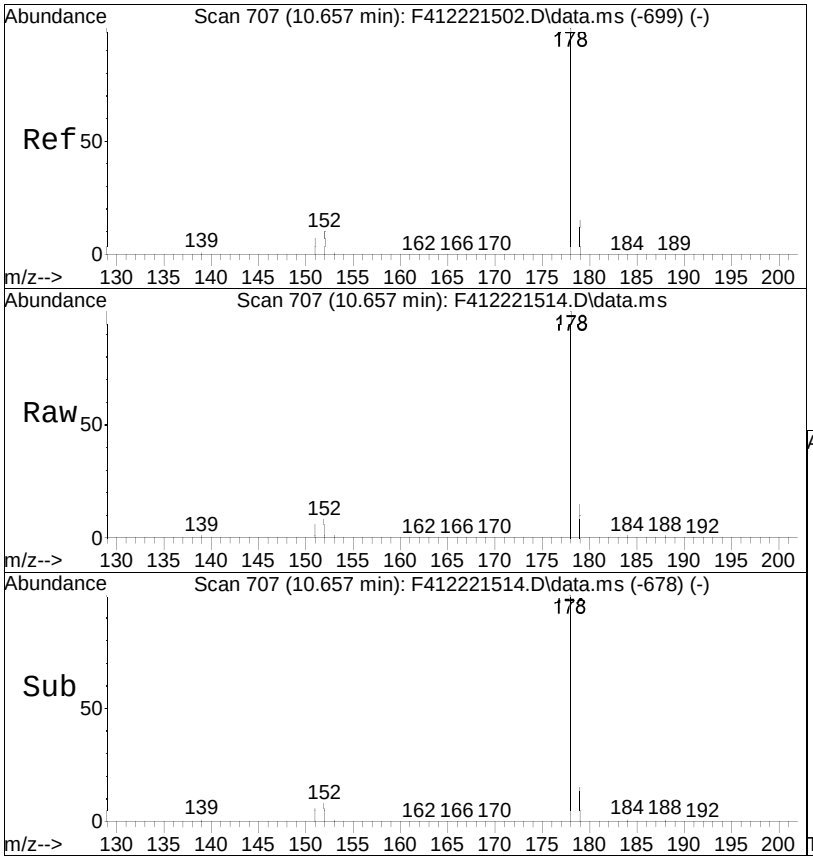


#15
Fluorene
Concen: 404.48 ng/mL
RT: 9.716 min Scan# 571
Delta R.T. -0.005 min
Lab File: F412221514.D
Acq: 22 Dec 2015 9:29 pm

Tgt Ion:166 Resp: 52196

Ion	Ratio	Lower	Upper
166	100		
165	92.6	73.2	109.8

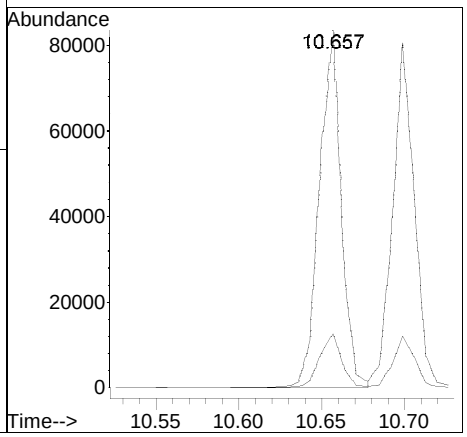


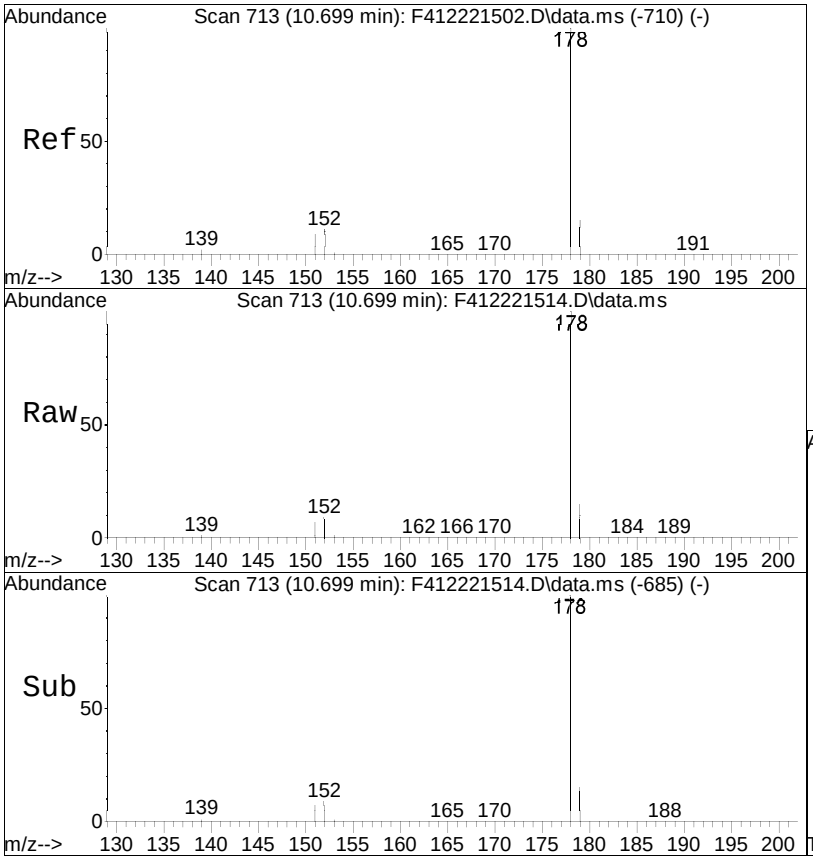


#19
Phenanthrene
Concen: 407.01 ng/mL
RT: 10.657 min Scan# 707
Delta R.T. 0.002 min
Lab File: F412221514.D
Acq: 22 Dec 2015 9:29 pm

Tgt Ion:178 Resp: 76372

Ion	Ratio	Lower	Upper
178	100		
179	15.2	11.9	17.9

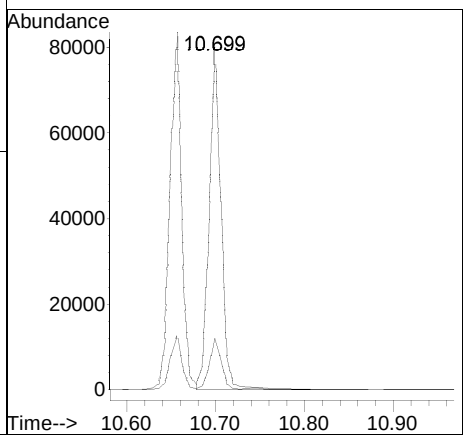


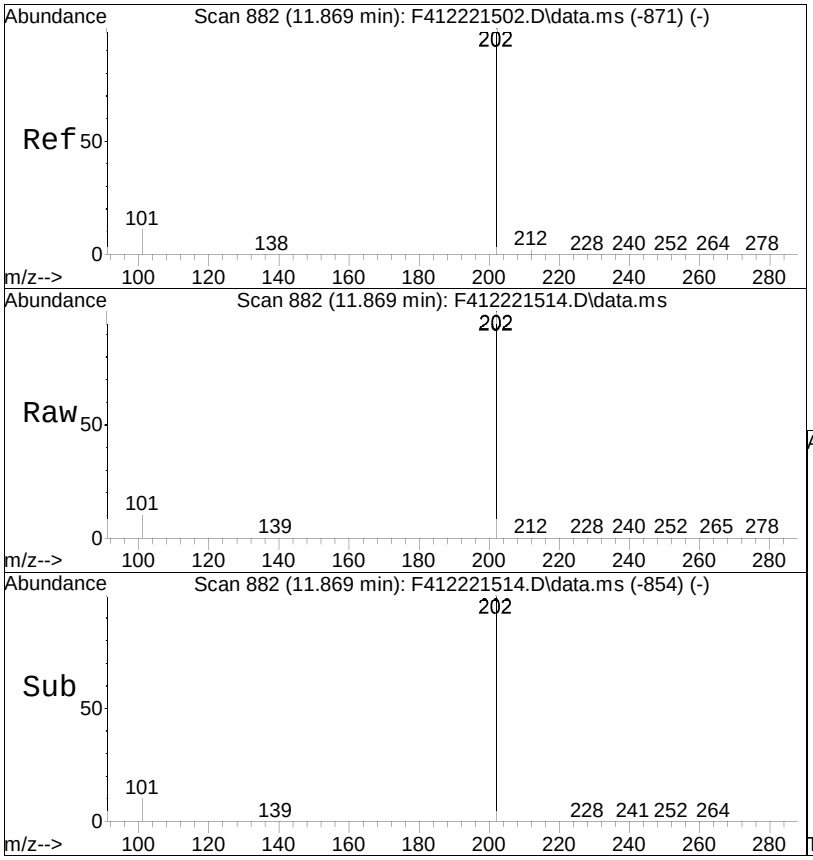


#20
Anthracene
Concen: 426.69 ng/mL
RT: 10.699 min Scan# 713
Delta R.T. -0.005 min
Lab File: F412221514.D
Acq: 22 Dec 2015 9:29 pm

Tgt Ion:178 Resp: 73650

Ion	Ratio	Lower	Upper
178	100		
179	14.8	11.8	17.8

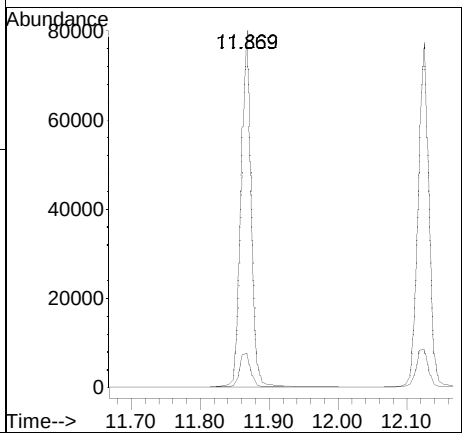


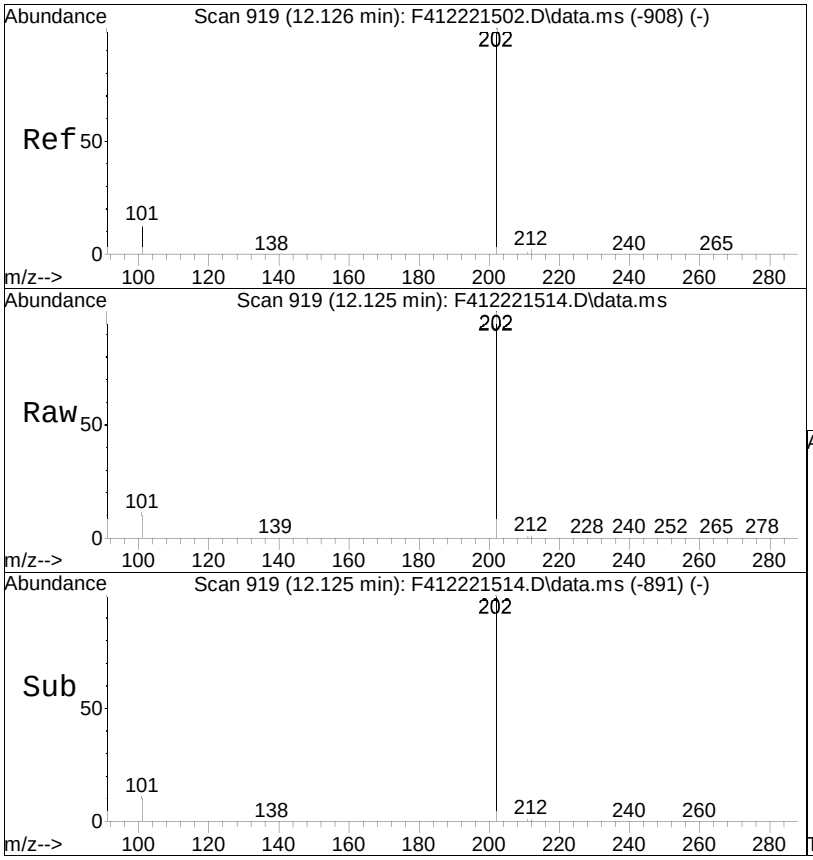


#23
Fluoranthene
Concen: 442.27 ng/mL
RT: 11.869 min Scan# 882
Delta R.T. -0.004 min
Lab File: F412221514.D
Acq: 22 Dec 2015 9:29 pm

Tgt Ion:202 Resp: 82473

Ion	Ratio	Lower	Upper
202	100		
101	9.6	8.3	12.5

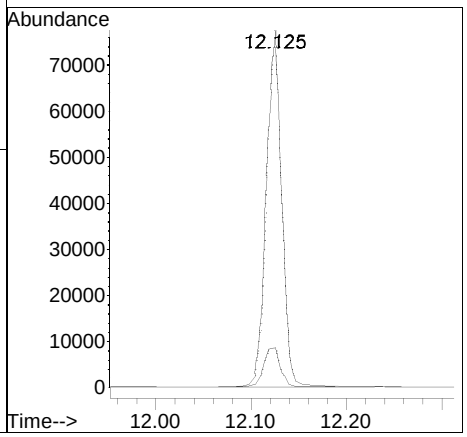


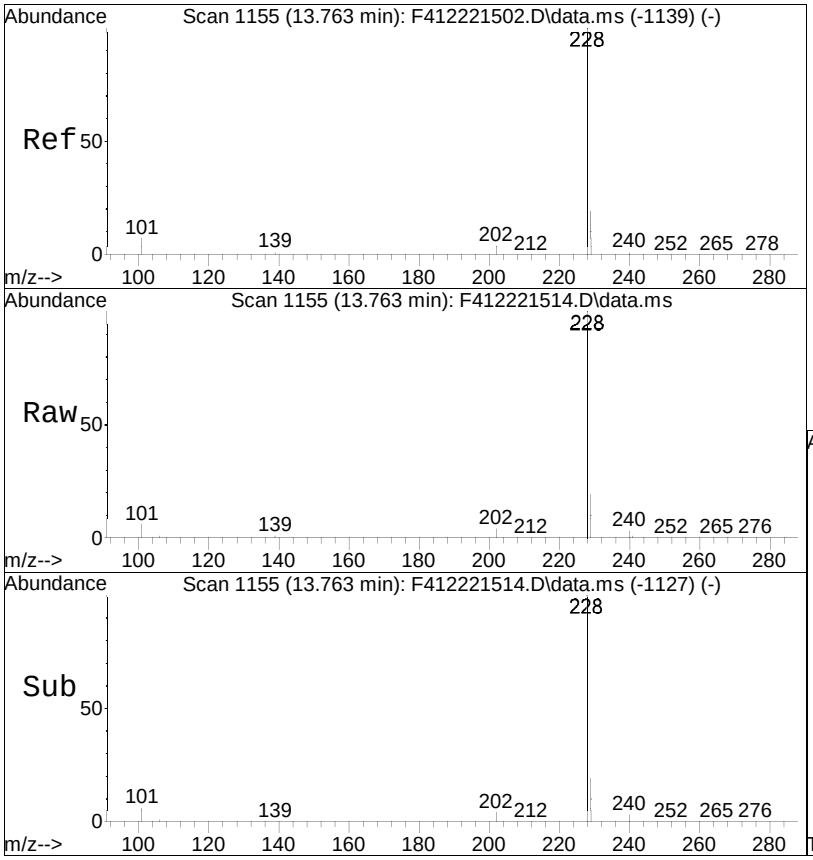


#26
Pyrene
Concen: 405.79 ng/mL
RT: 12.125 min Scan# 919
Delta R.T. -0.004 min
Lab File: F412221514.D
Acq: 22 Dec 2015 9:29 pm

Tgt Ion:202 Resp: 84792

Ion	Ratio	Lower	Upper
202	100		
101	11.2	10.1	15.1

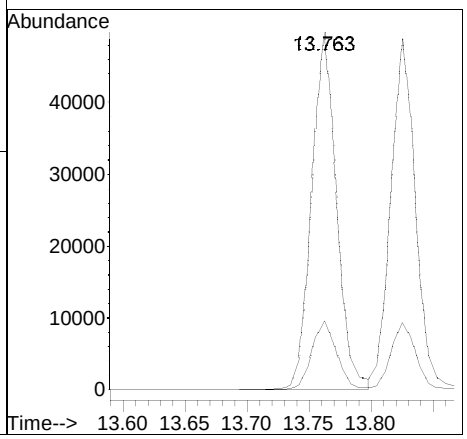


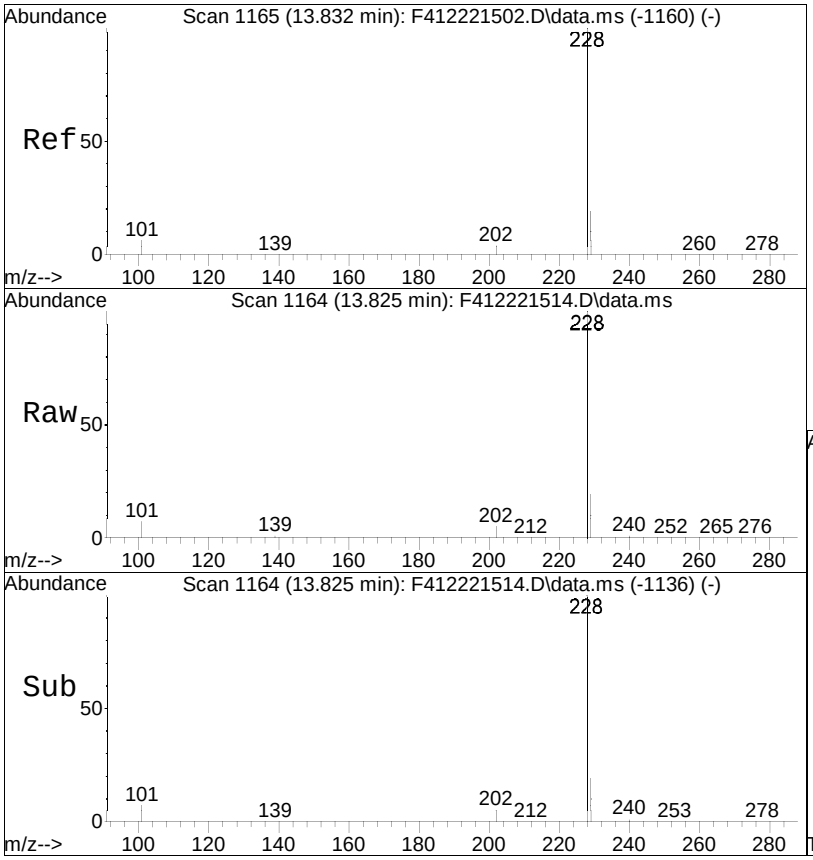


#27
Benz[a]anthracene
Concen: 418.09 ng/mL
RT: 13.763 min Scan# 1155
Delta R.T. -0.004 min
Lab File: F412221514.D
Acq: 22 Dec 2015 9:29 pm

Tgt Ion:228 Resp: 69380

Ion	Ratio	Lower	Upper
228	100		
229	19.4	15.2	22.8

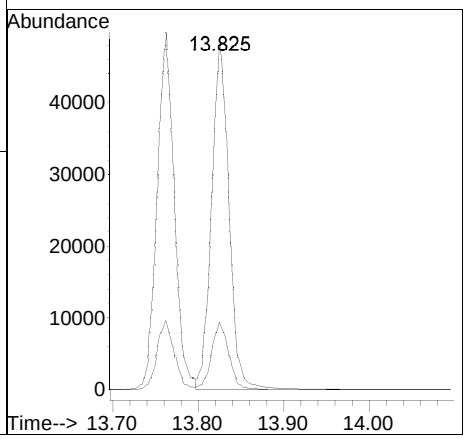


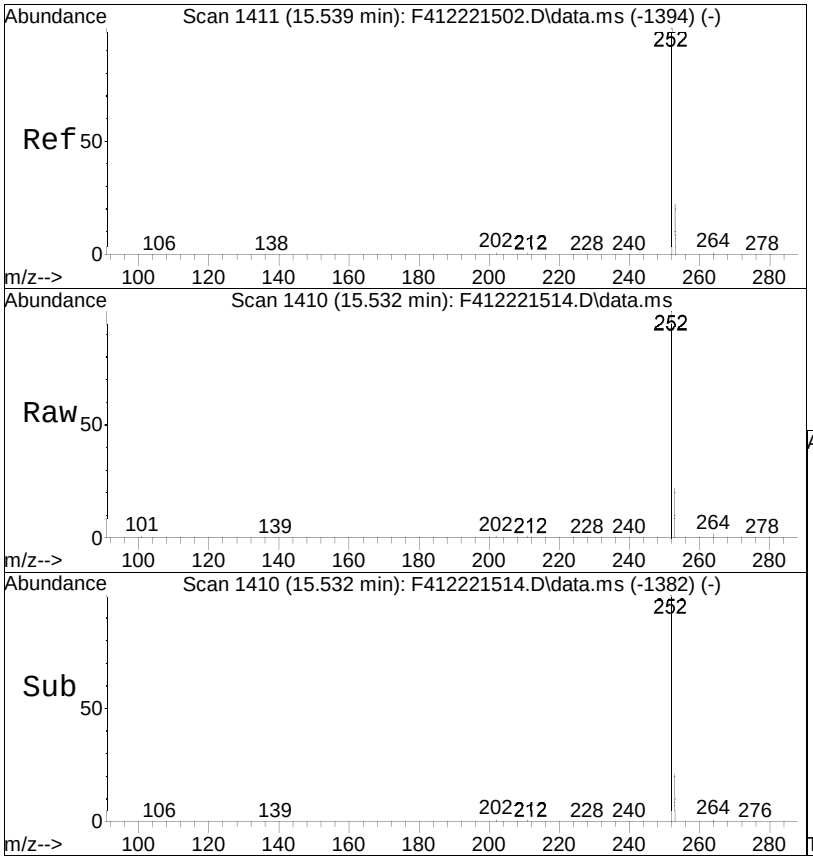


#28
Chrysene
Concen: 417.90 ng/mL
RT: 13.825 min Scan# 1164
Delta R.T. -0.004 min
Lab File: F412221514.D
Acq: 22 Dec 2015 9:29 pm

Tgt Ion:228 Resp: 67855

Ion	Ratio	Lower	Upper
228	100		
229	19.2	15.0	22.6

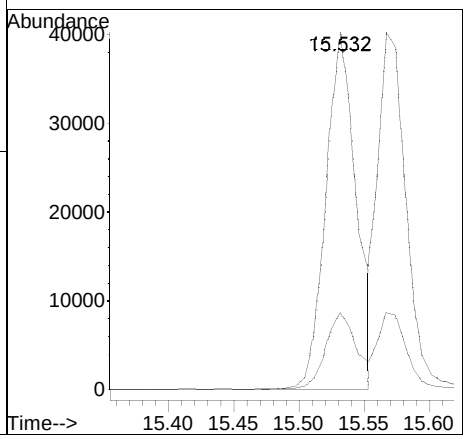


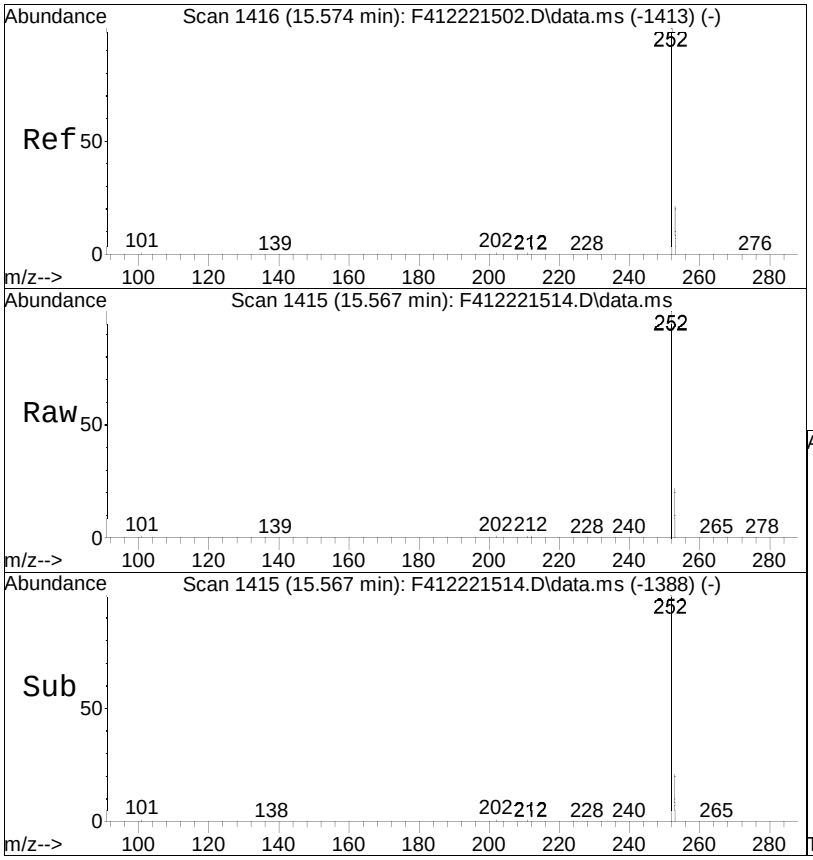


#32
Benzo[b]fluoranthene
Concen: 389.50 ng/mL
RT: 15.532 min Scan# 1410
Delta R.T. -0.004 min
Lab File: F412221514.D
Acq: 22 Dec 2015 9:29 pm

Tgt Ion:252 Resp: 65624

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7

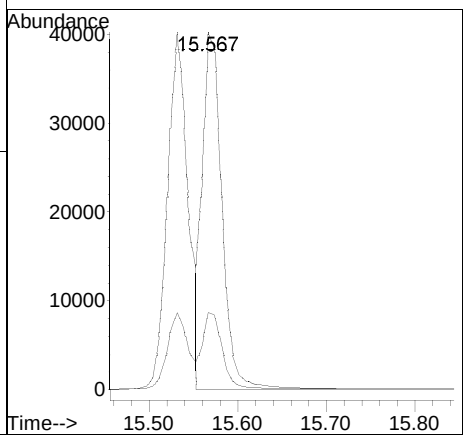


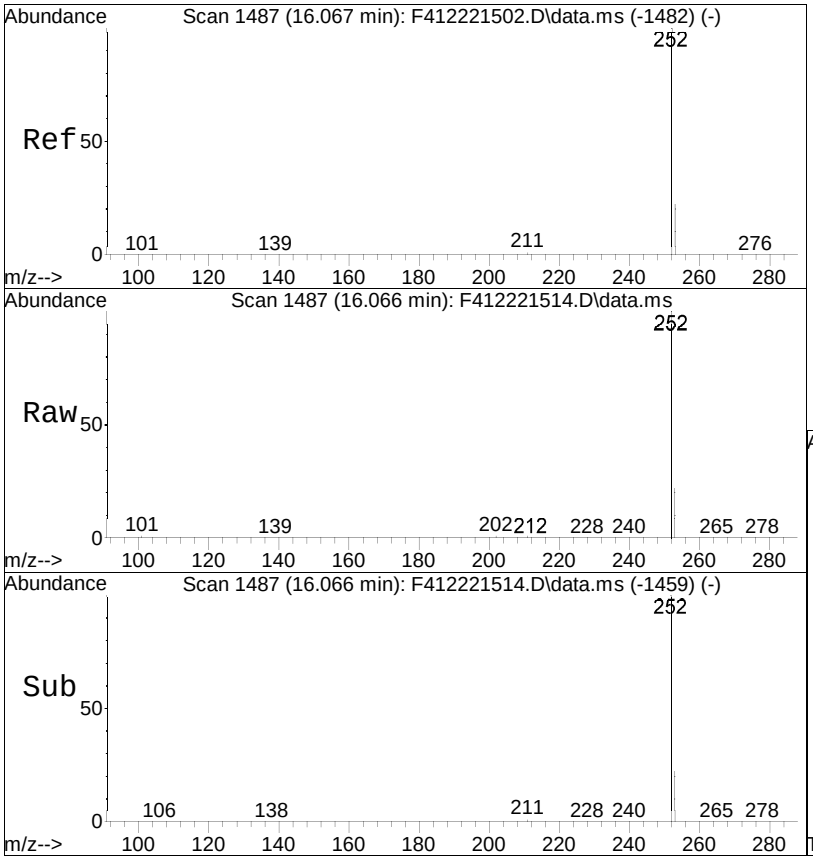


#33
Benzo[k]fluoranthene
Concen: 441.77 ng/mL
RT: 15.567 min Scan# 1415
Delta R.T. -0.011 min
Lab File: F412221514.D
Acq: 22 Dec 2015 9:29 pm

Tgt Ion:252 Resp: 60511

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8

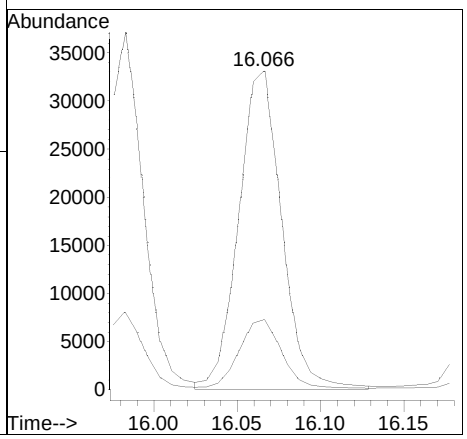


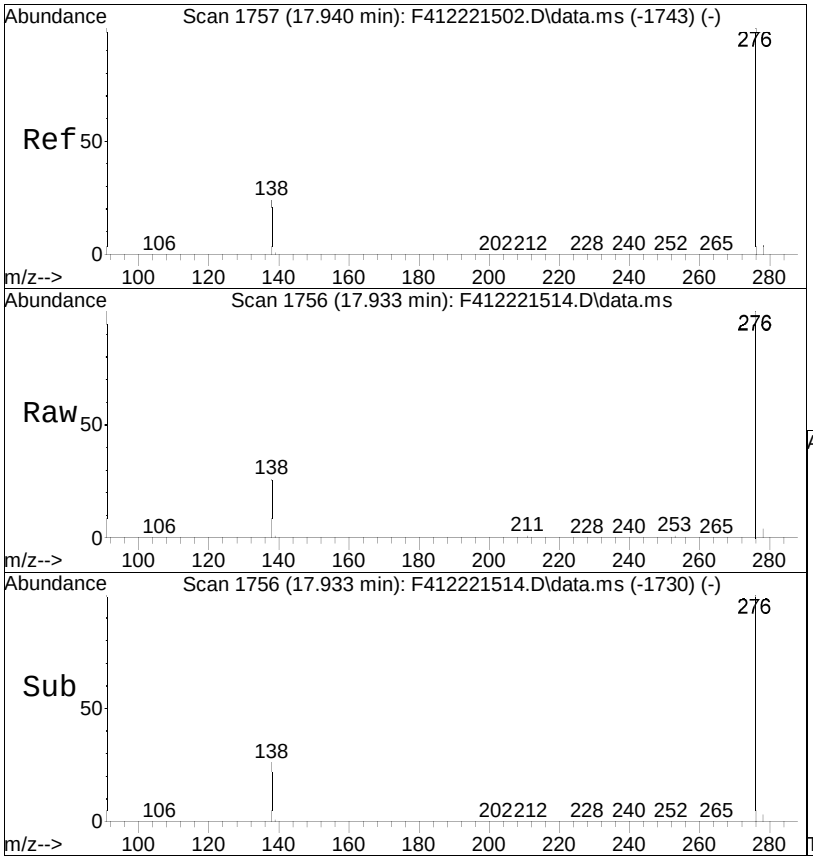


#35
Benzo[a]pyrene
Concen: 395.04 ng/mL M4
RT: 16.066 min Scan# 1487
Delta R.T. -0.004 min
Lab File: F412221514.D
Acq: 22 Dec 2015 9:29 pm

Tgt Ion:252 Resp: 59169

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9

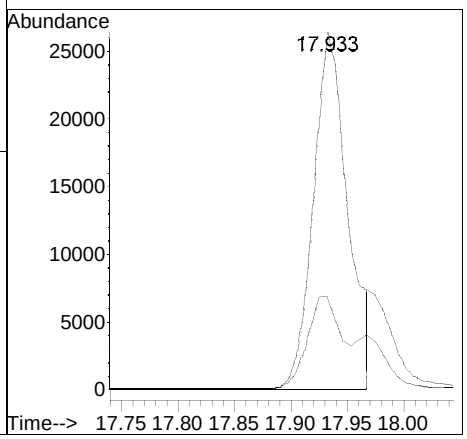


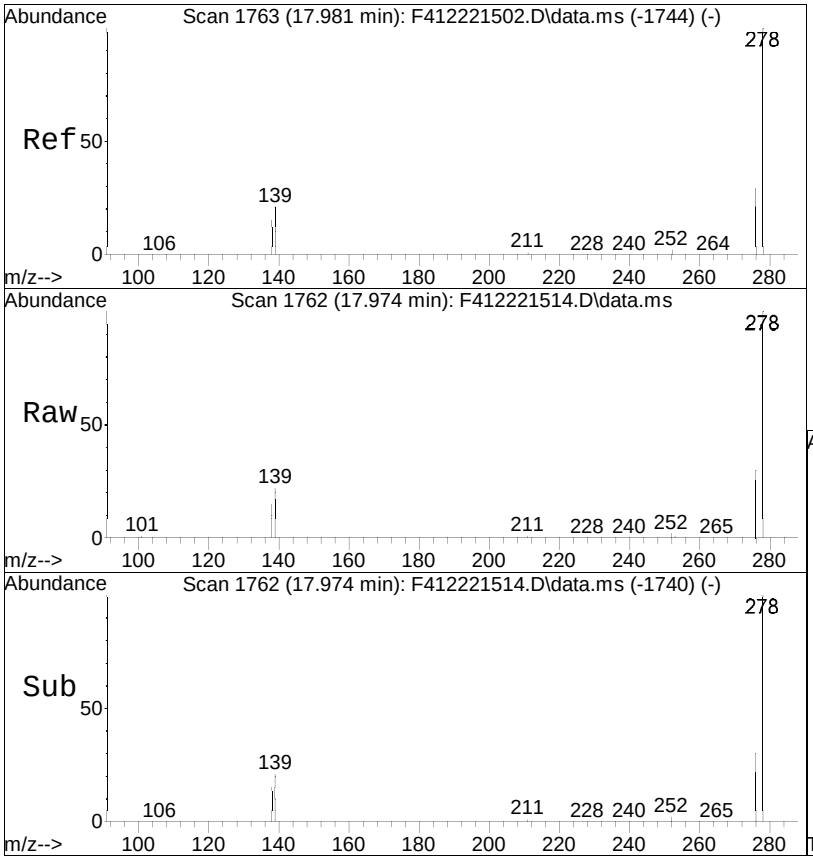


#37
Indeno[1,2,3-cd]pyrene
Concen: 423.12 ng/mL M4
RT: 17.933 min Scan# 1756
Delta R.T. -0.011 min
Lab File: F412221514.D
Acq: 22 Dec 2015 9:29 pm

Tgt Ion:276 Resp: 55559

Ion	Ratio	Lower	Upper
276	100		
138	26.2	20.3	30.5

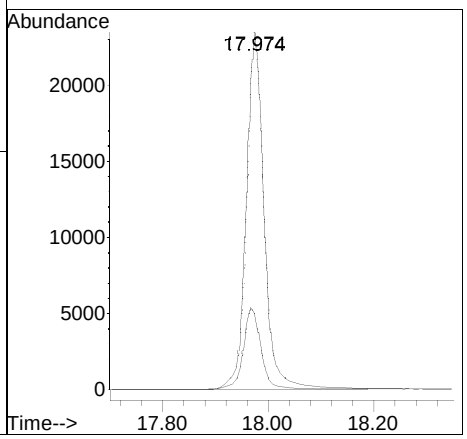


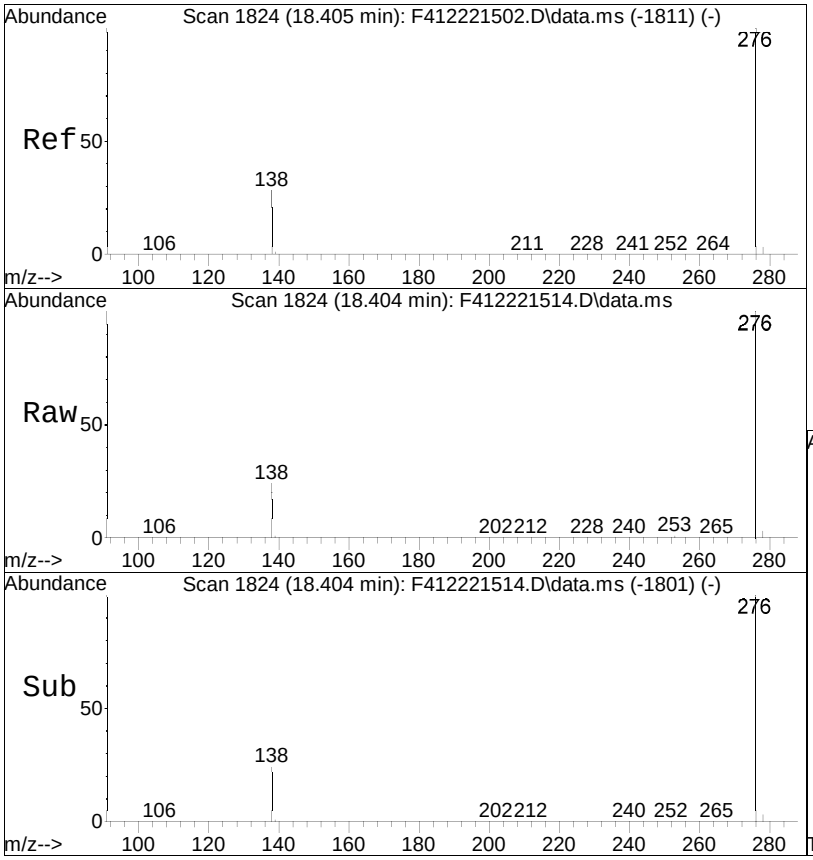


#38
Dibenz[a,h]anthracene
Concen: 400.14 ng/mL
RT: 17.974 min Scan# 1762
Delta R.T. -0.011 min
Lab File: F412221514.D
Acq: 22 Dec 2015 9:29 pm

Tgt Ion:278 Resp: 54093

Ion	Ratio	Lower	Upper
278	100		
139	21.6	16.3	24.5

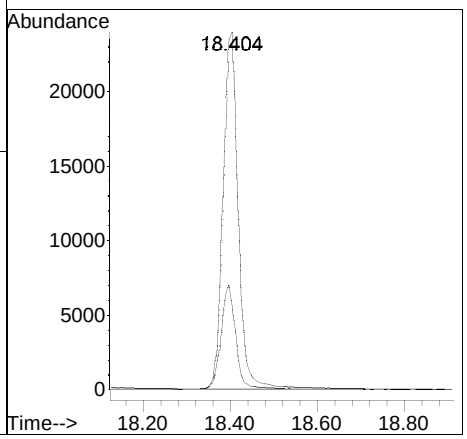




#39
Benzo[g,h,i]perylene
Concen: 397.15 ng/mL
RT: 18.404 min Scan# 1824
Delta R.T. -0.004 min
Lab File: F412221514.D
Acq: 22 Dec 2015 9:29 pm

Tgt Ion:276 Resp: 56041

Ion	Ratio	Lower	Upper
276	100		
138	24.2	20.2	30.4



Matrix Spike / Matrix Spike Duplicate Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221520.D
Acq On : 23 Dec 2015 12:32 am
Operator : BNA4:SF
Sample : WG851972-4
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 28 16:44:01 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.440	136	88634	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.192	164	43010	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.637	188	83012	500.000	ng/mL	0.00
24) Chrysene-d12	13.791	240	66879	500.000	ng/mL	0.00
29) Perylene-d12	16.164	264	58044	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.116	152	32743	341.216	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 6.82%#			
25) Pyrene-d10	12.105	212	53083	409.028	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.18%#			
31) Benzo[b]fluoranthene-d12	15.498	264	37500	394.648	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 7.89%#			
Target Compounds						Qvalue
2) Naphthalene	7.462	128	65536	350.706	ng/mL	100
5) 2-Methylnaphthalene	8.145	142	43801	373.621	ng/mL	98
12) Acenaphthylene	9.039	152	68844	401.618	ng/mL	97
13) Acenaphthene	9.221	153	42469	363.938	ng/mL	97
15) Fluorene	9.716	166	49889	396.847	ng/mL	99
19) Phenanthrene	10.657	178	74638	408.631	ng/mL	99
20) Anthracene	10.699	178	69727	414.996	ng/mL	100
23) Fluoranthene	11.869	202	79705	439.102	ng/mL	98
26) Pyrene	12.126	202	81008	405.438	ng/mL	97
27) Benz[a]anthracene	13.763	228	66173	417.044	ng/mL	99
28) Chrysene	13.826	228	61560	396.500	ng/mL	99
32) Benzo[b]fluoranthene	15.532	252	58863	361.994	ng/mL	99
33) Benzo[k]fluoranthene	15.574	252	51442	388.913	ng/mL	99
35) Benzo[a]pyrene	16.067	252	51404M4	355.693	ng/mL	
37) Indeno[1,2,3-cd]pyrene	17.933	276	39334M4	311.588	ng/mL	
38) Dibenz[a,h]anthracene	17.974	278	35406	272.615	ng/mL	96
39) Benzo[g,h,i]perylene	18.398	276	37771	278.397	ng/mL	93

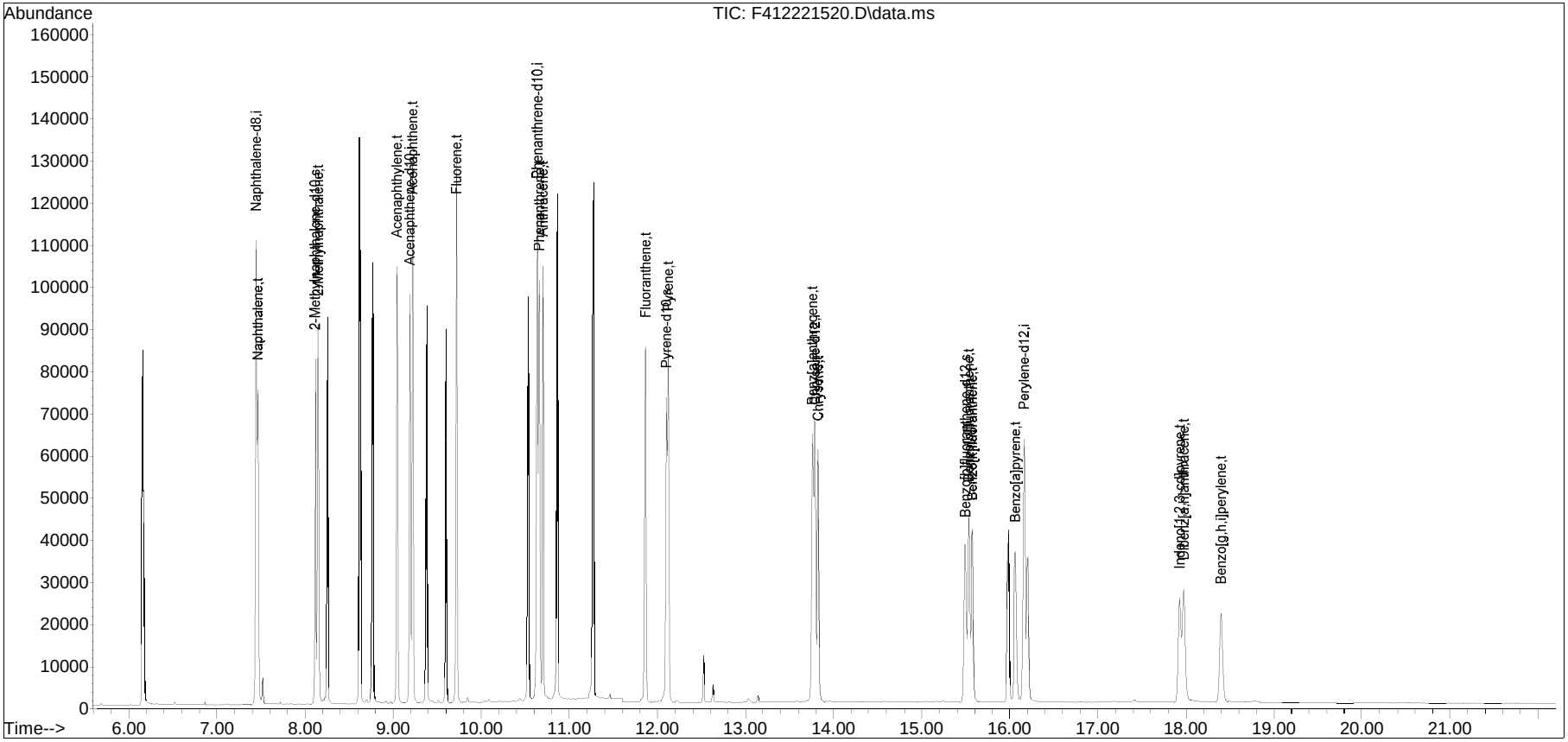
(#) = qualifier out of range (m) = manual integration (+) = signals summed

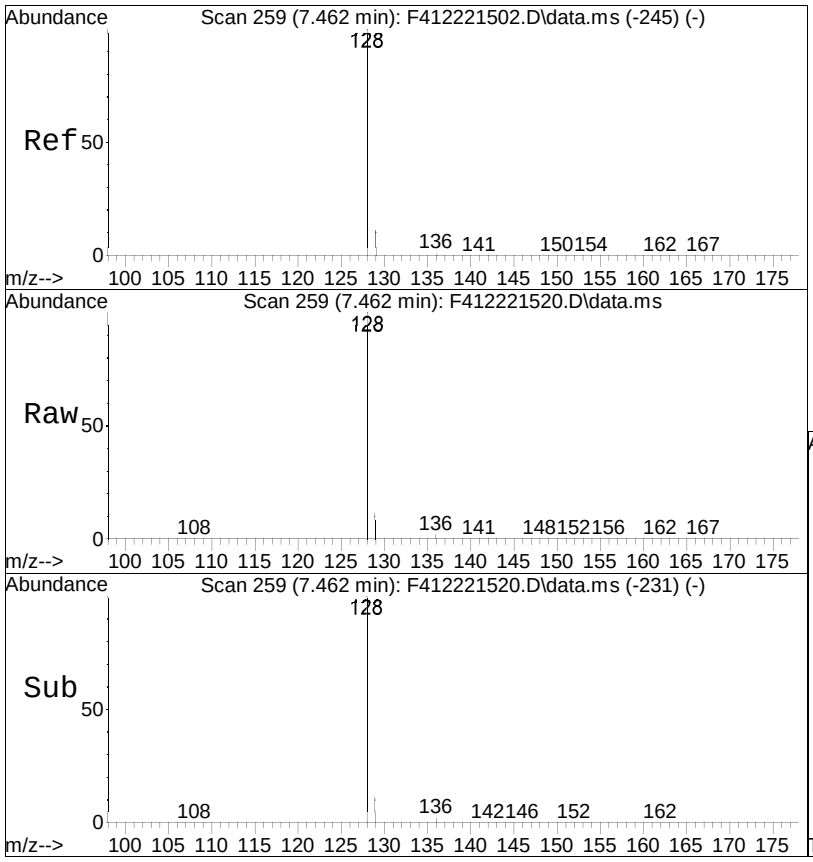
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221520.D
Acq On : 23 Dec 2015 12:32 am
Operator : BNA4:SF
Sample : WG851972-4
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 28 16:44:01 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

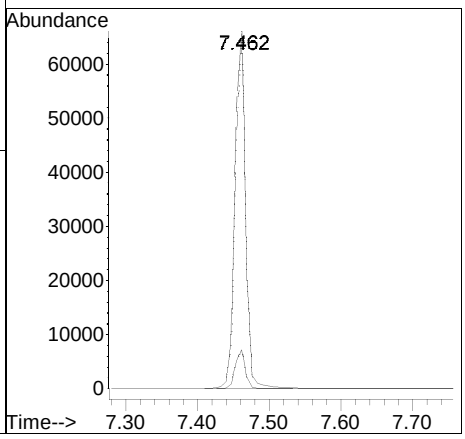


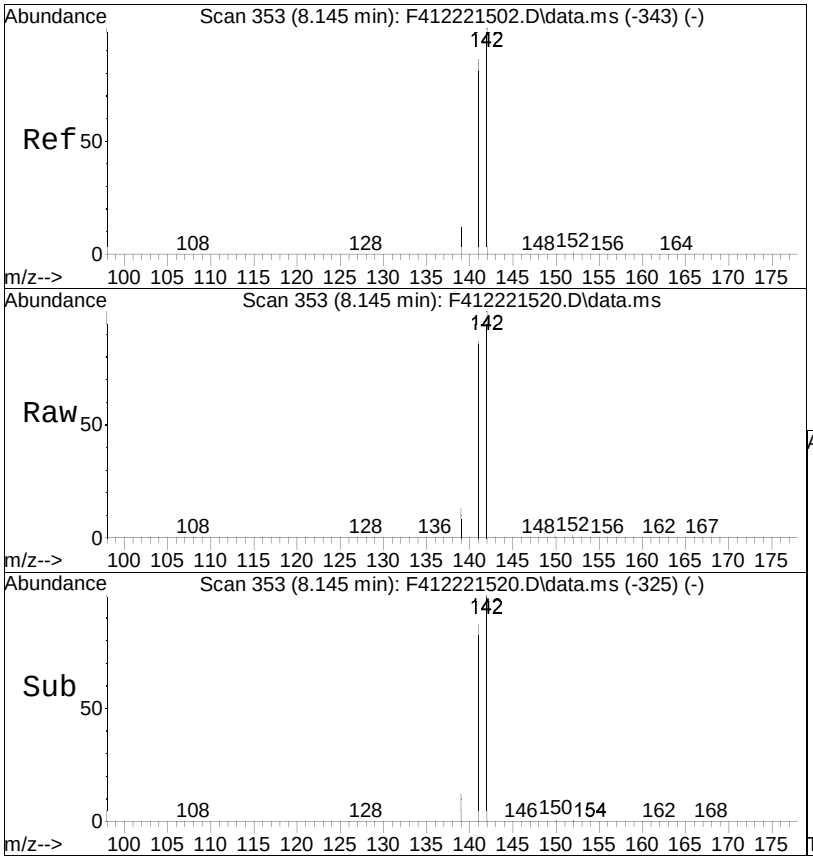


#2
Naphthalene
Concen: 350.71 ng/mL
RT: 7.462 min Scan# 259
Delta R.T. 0.000 min
Lab File: F412221520.D
Acq: 23 Dec 2015 12:32 am

Tgt Ion:128 Resp: 65536

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1

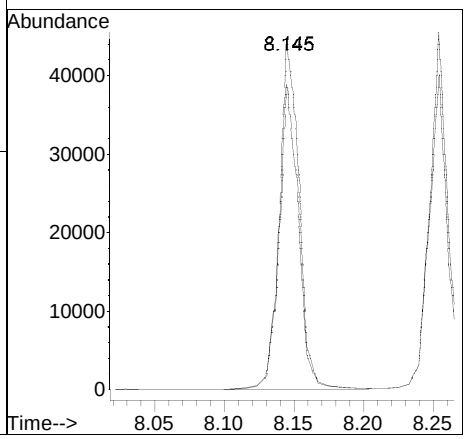


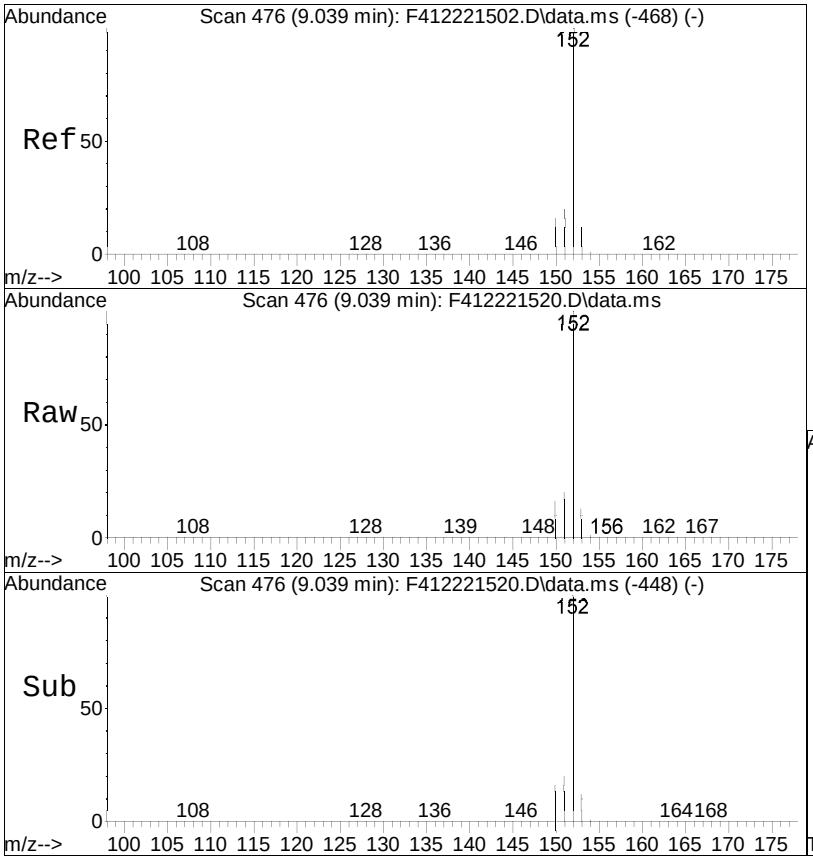


#5
2-Methylnaphthalene
Concen: 373.62 ng/mL
RT: 8.145 min Scan# 353
Delta R.T. 0.000 min
Lab File: F412221520.D
Acq: 23 Dec 2015 12:32 am

Tgt Ion:142 Resp: 43801

Ion	Ratio	Lower	Upper
142	100		
141	87.4	68.8	103.2

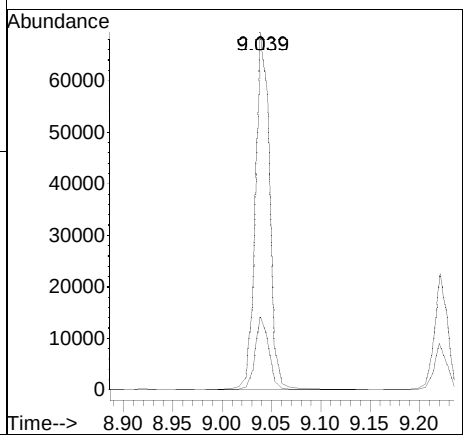


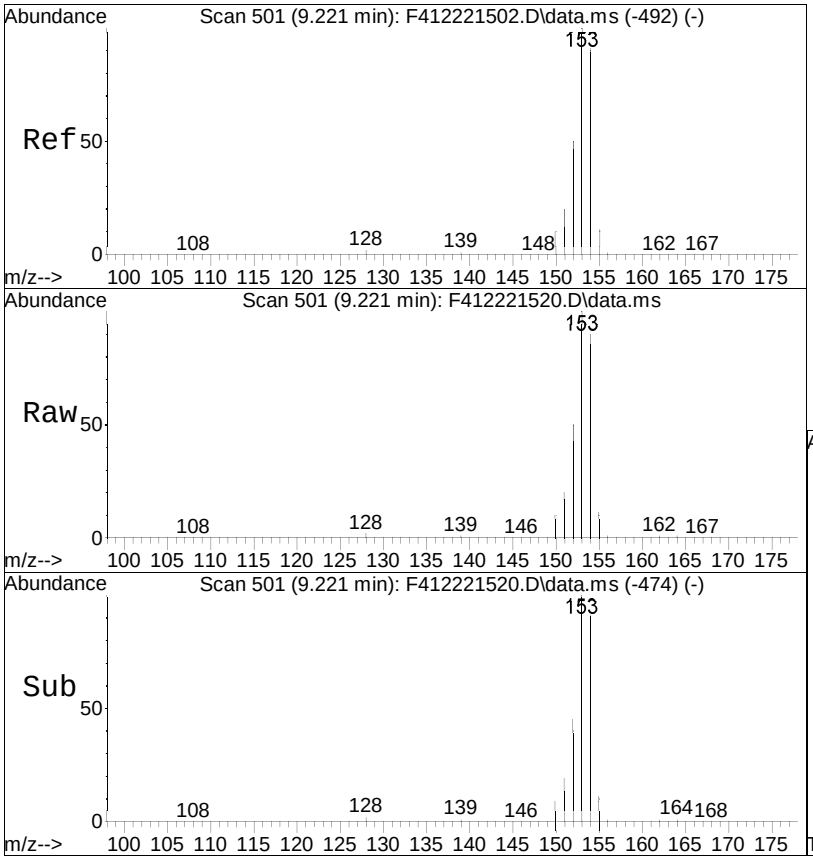


#12
Acenaphthylene
Concen: 401.62 ng/mL
RT: 9.039 min Scan# 476
Delta R.T. 0.000 min
Lab File: F412221520.D
Acq: 23 Dec 2015 12:32 am

Tgt Ion:152 Resp: 68844

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.4	23.0

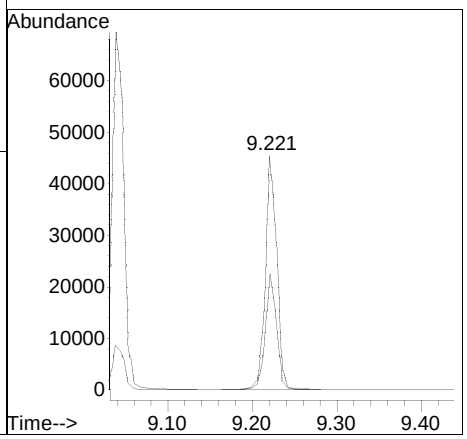


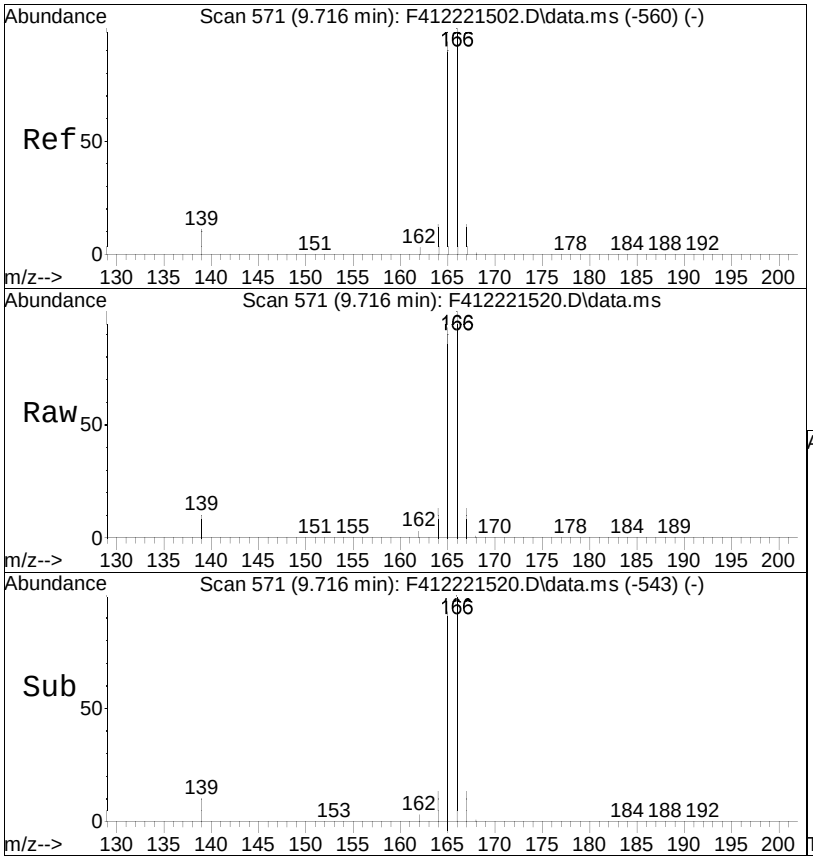


#13
Acenaphthene
Concen: 363.94 ng/mL
RT: 9.221 min Scan# 501
Delta R.T. 0.000 min
Lab File: F412221520.D
Acq: 23 Dec 2015 12:32 am

Tgt Ion:153 Resp: 42469

Ion	Ratio	Lower	Upper
153	100		
152	49.6	37.8	56.8

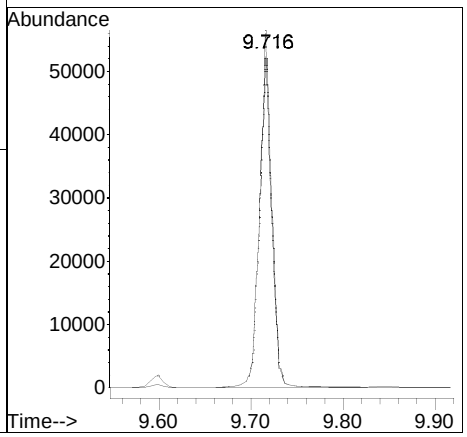


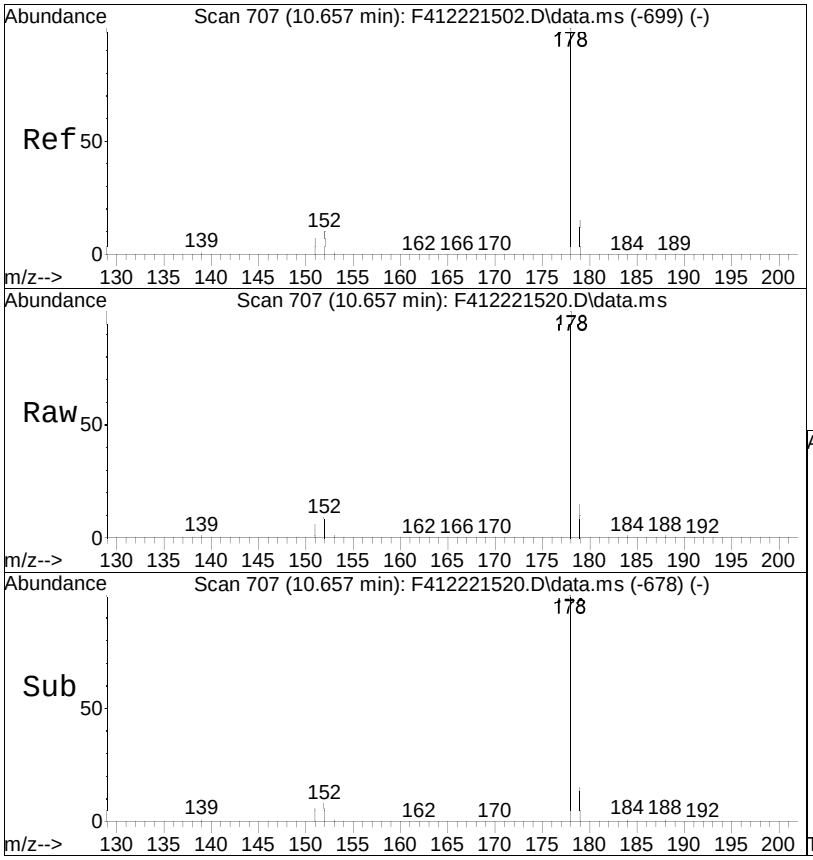


#15
Fluorene
Concen: 396.85 ng/mL
RT: 9.716 min Scan# 571
Delta R.T. -0.004 min
Lab File: F412221520.D
Acq: 23 Dec 2015 12:32 am

Tgt Ion:166 Resp: 49889

Ion	Ratio	Lower	Upper
166	100		
165	92.9	73.2	109.8

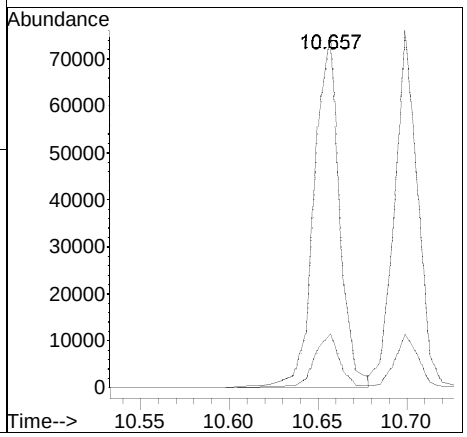


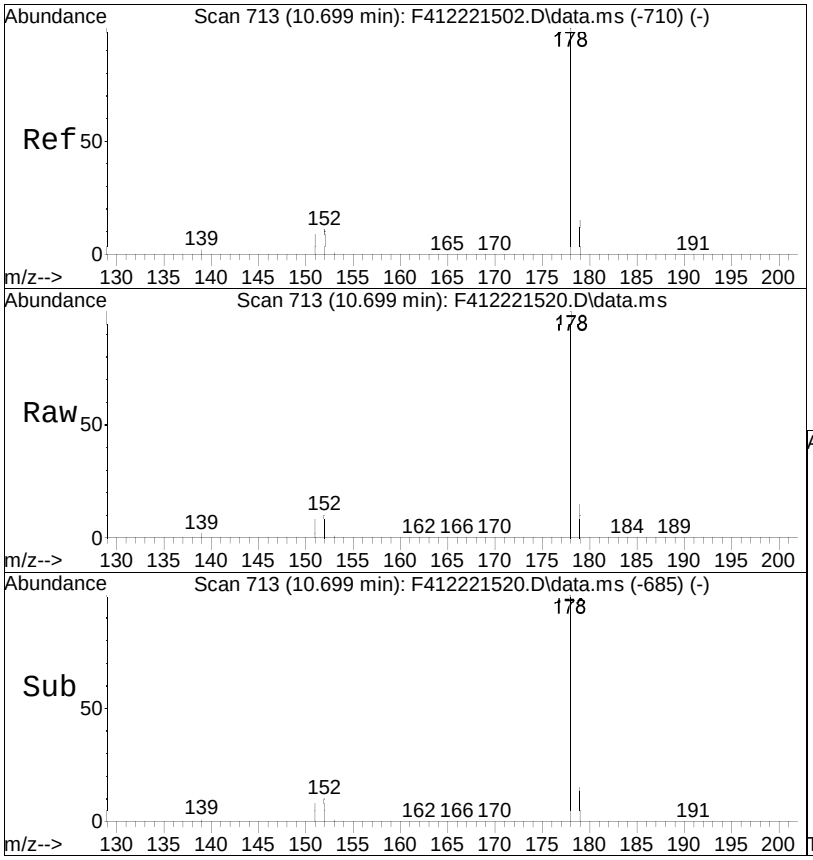


#19
Phenanthrene
Concen: 408.63 ng/mL
RT: 10.657 min Scan# 707
Delta R.T. 0.003 min
Lab File: F412221520.D
Acq: 23 Dec 2015 12:32 am

Tgt Ion:178 Resp: 74638

Ion	Ratio	Lower	Upper
178	100		
179	15.2	11.9	17.9

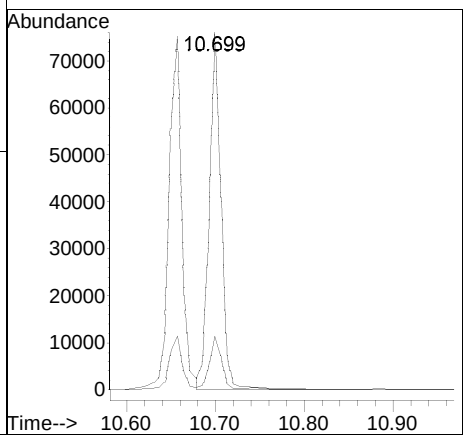


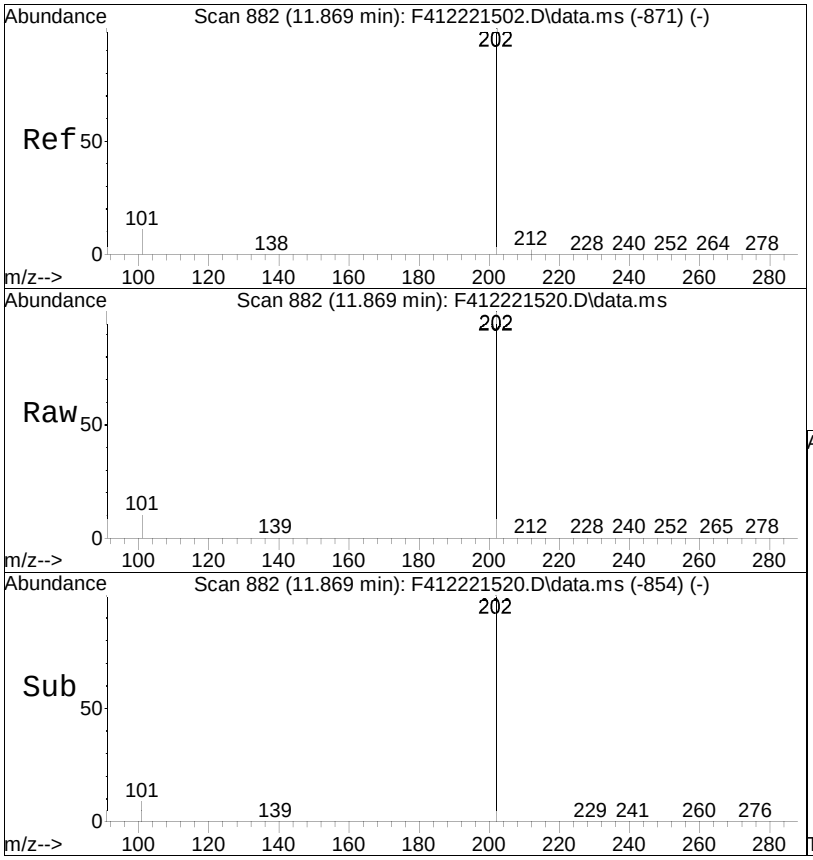


#20
Anthracene
Concen: 415.00 ng/mL
RT: 10.699 min Scan# 713
Delta R.T. -0.004 min
Lab File: F412221520.D
Acq: 23 Dec 2015 12:32 am

Tgt Ion:178 Resp: 69727

Ion	Ratio	Lower	Upper
178	100		
179	15.0	11.8	17.8

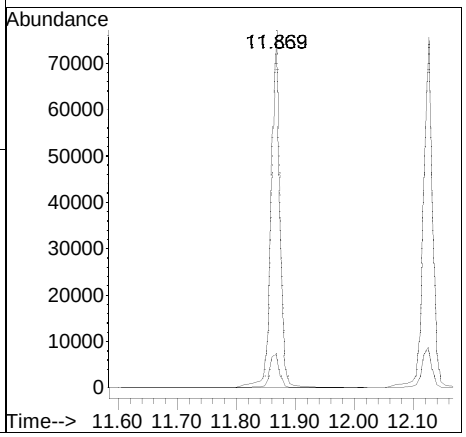


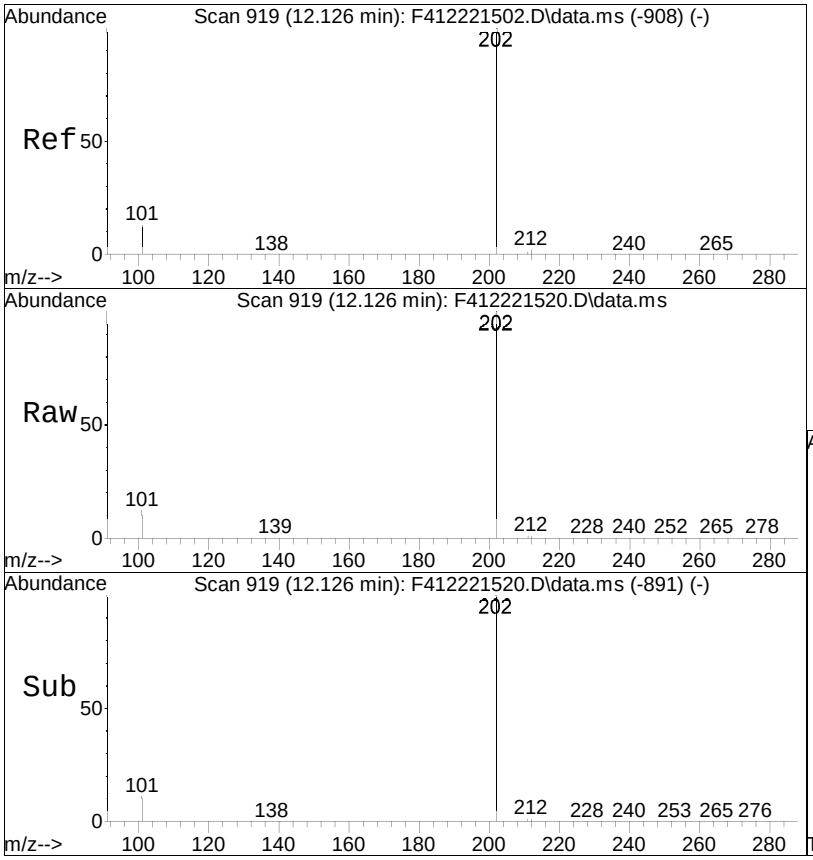


#23
Fluoranthene
Concen: 439.10 ng/mL
RT: 11.869 min Scan# 882
Delta R.T. -0.004 min
Lab File: F412221520.D
Acq: 23 Dec 2015 12:32 am

Tgt Ion:202 Resp: 79705

Ion	Ratio	Lower	Upper
202	100		
101	9.6	8.3	12.5

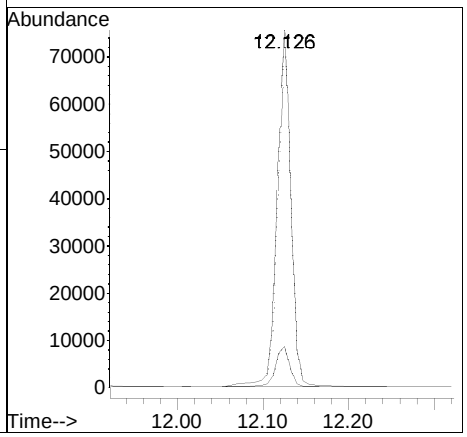


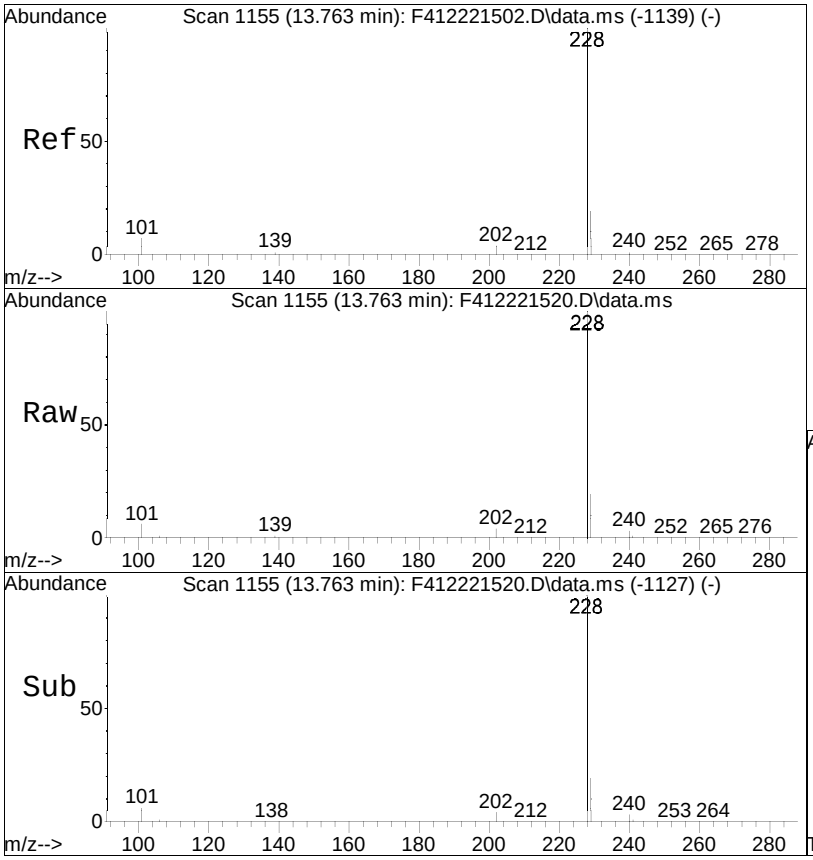


#26
Pyrene
Concen: 405.44 ng/mL
RT: 12.126 min Scan# 919
Delta R.T. -0.004 min
Lab File: F412221520.D
Acq: 23 Dec 2015 12:32 am

Tgt Ion:202 Resp: 81008

Ion	Ratio	Lower	Upper
202	100		
101	11.6	10.1	15.1

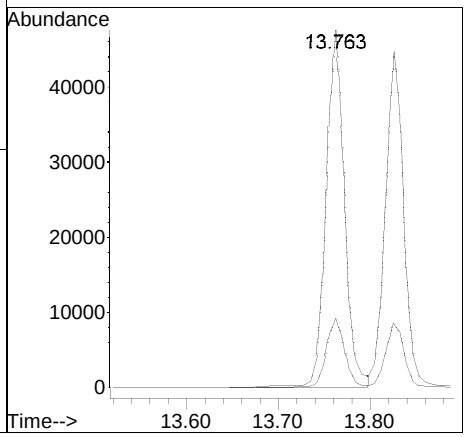


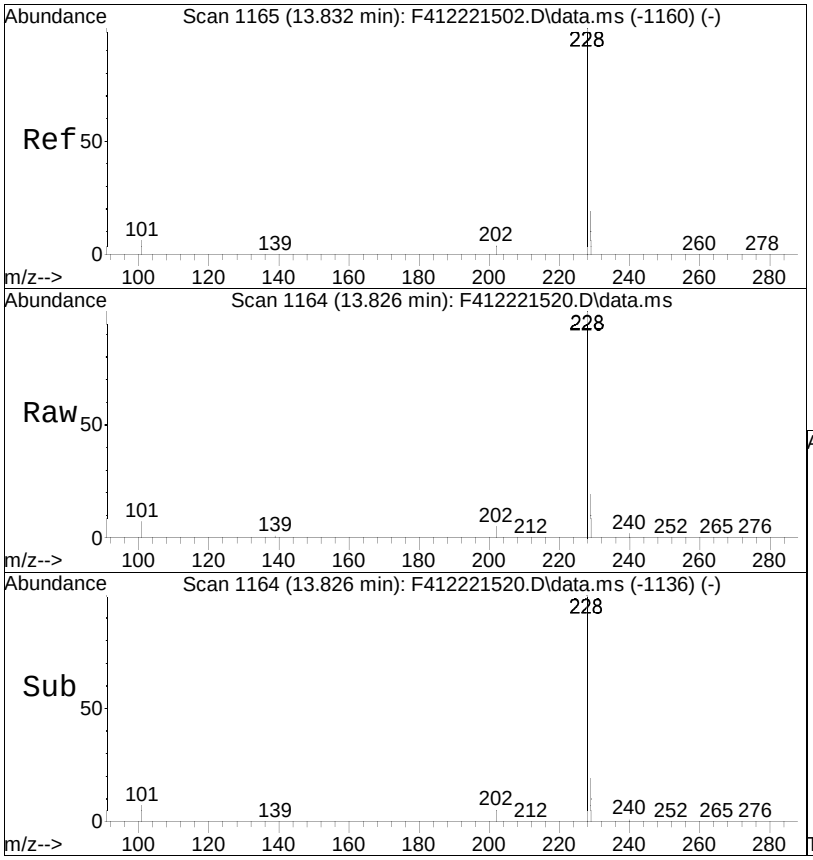


#27
Benz[a]anthracene
Concen: 417.04 ng/mL
RT: 13.763 min Scan# 1155
Delta R.T. -0.004 min
Lab File: F412221520.D
Acq: 23 Dec 2015 12:32 am

Tgt Ion:228 Resp: 66173

Ion	Ratio	Lower	Upper
228	100		
229	19.4	15.2	22.8

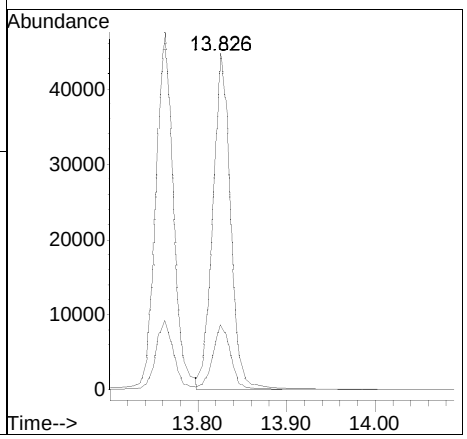


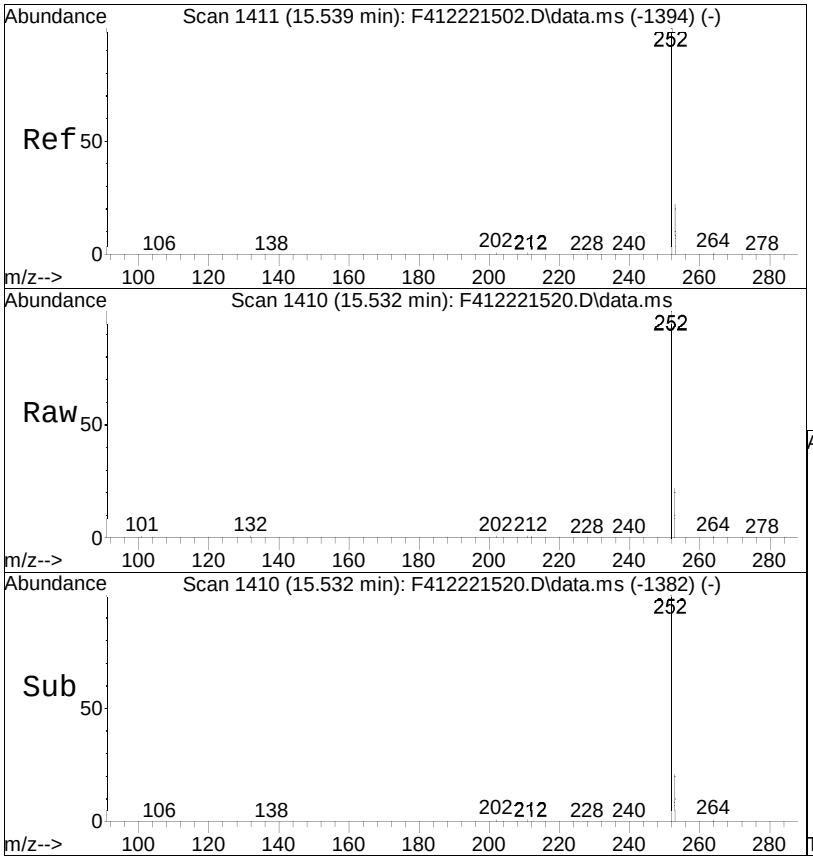


#28
Chrysene
Concen: 396.50 ng/mL
RT: 13.826 min Scan# 1164
Delta R.T. -0.004 min
Lab File: F412221520.D
Acq: 23 Dec 2015 12:32 am

Tgt Ion:228 Resp: 61560

Ion	Ratio	Lower	Upper
228	100		
229	19.3	15.0	22.6

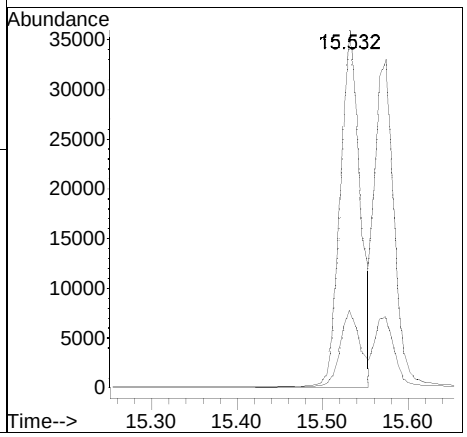


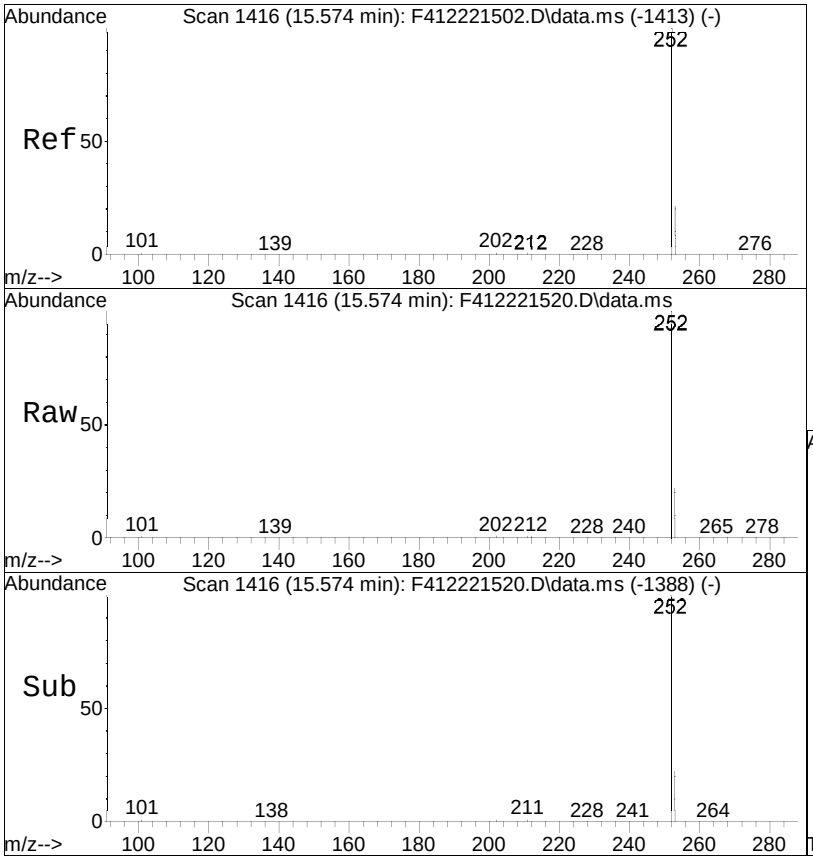


#32
Benzo[b]fluoranthene
Concen: 361.99 ng/mL
RT: 15.532 min Scan# 1410
Delta R.T. -0.004 min
Lab File: F412221520.D
Acq: 23 Dec 2015 12:32 am

Tgt Ion:252 Resp: 58863

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7

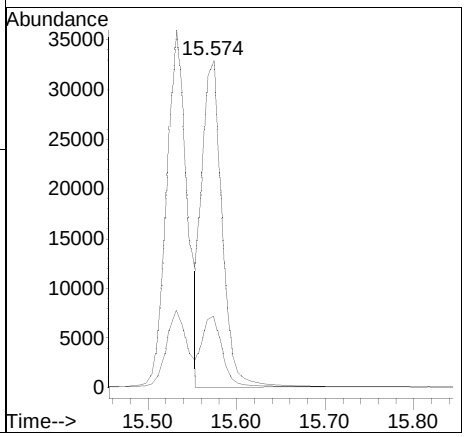


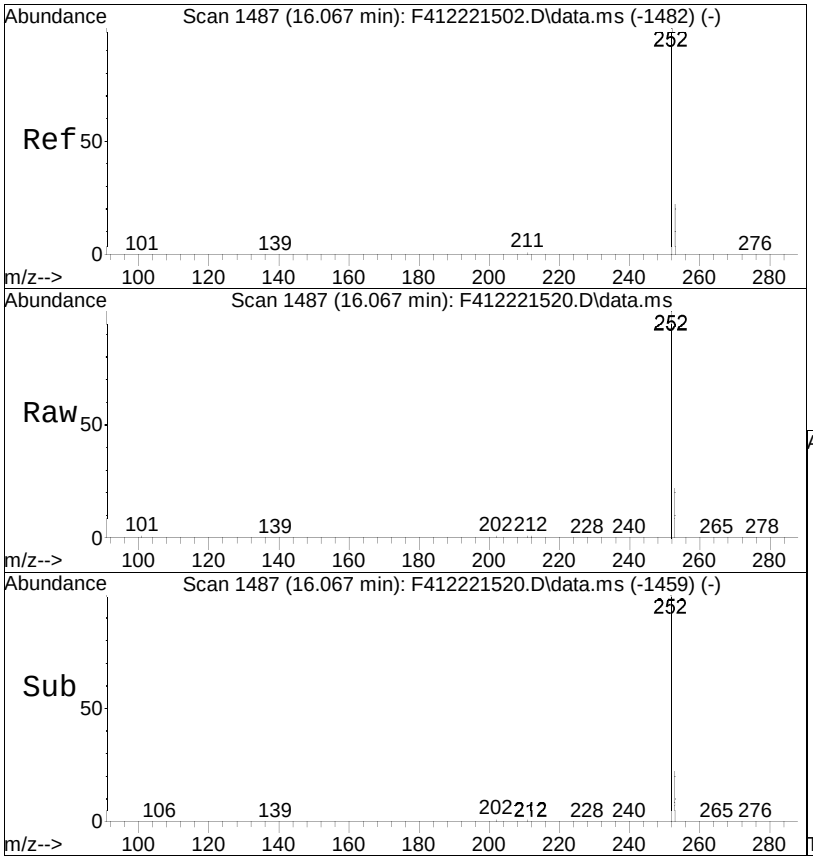


#33
Benzo[k]fluoranthene
Concen: 388.91 ng/mL
RT: 15.574 min Scan# 1416
Delta R.T. -0.004 min
Lab File: F412221520.D
Acq: 23 Dec 2015 12:32 am

Tgt Ion:252 Resp: 51442

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8

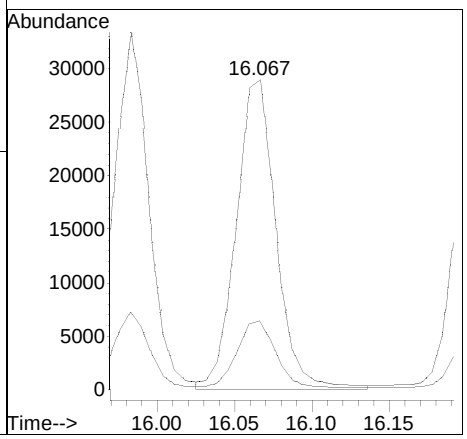


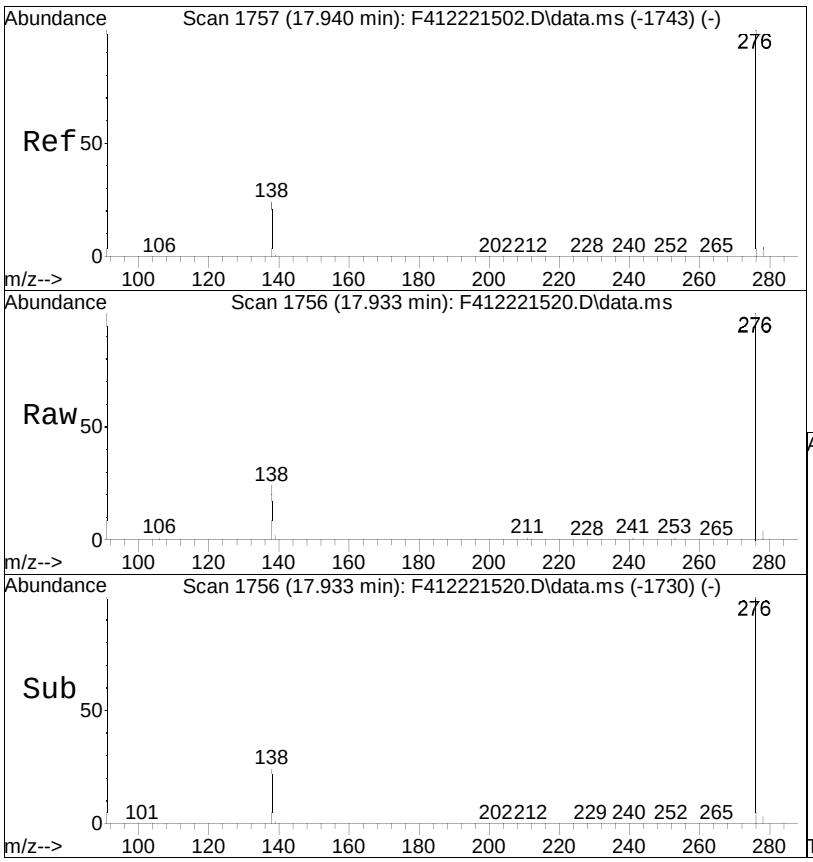


#35
Benzo[a]pyrene
Concen: 355.69 ng/mL M4
RT: 16.067 min Scan# 1487
Delta R.T. -0.004 min
Lab File: F412221520.D
Acq: 23 Dec 2015 12:32 am

Tgt Ion:252 Resp: 51404

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.3	25.9

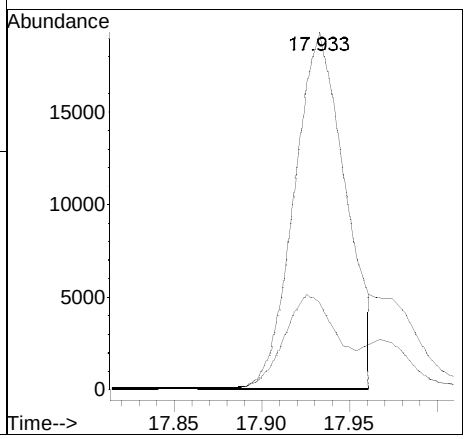


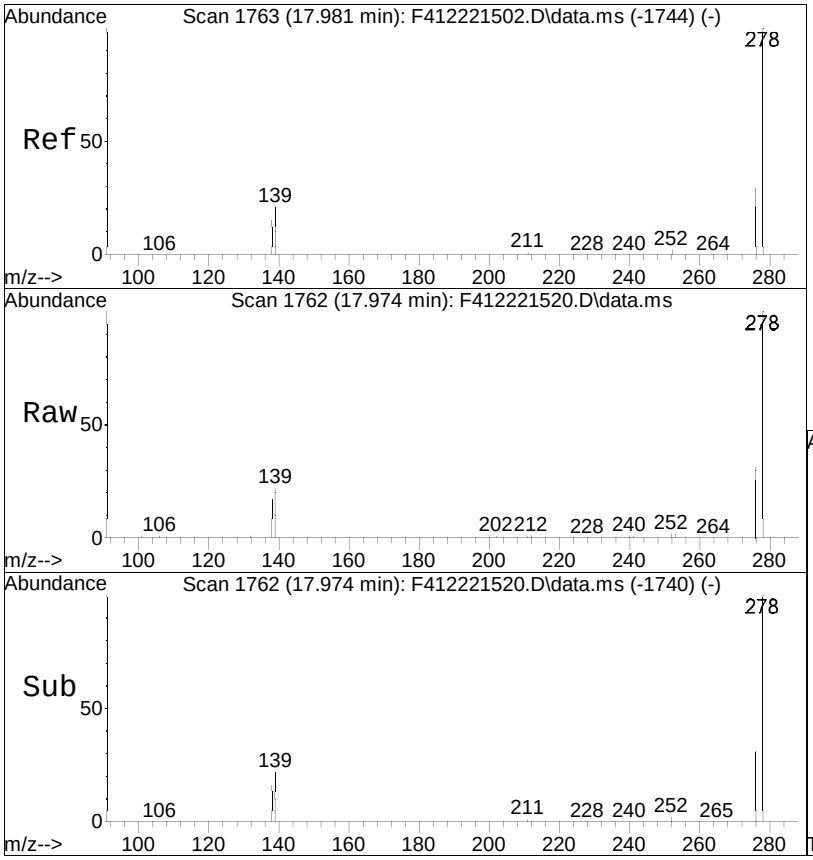


#37
Indeno[1,2,3-cd]pyrene
Concen: 311.59 ng/mL M4
RT: 17.933 min Scan# 1756
Delta R.T. -0.011 min
Lab File: F412221520.D
Acq: 23 Dec 2015 12:32 am

Tgt Ion:276 Resp: 39334

Ion	Ratio	Lower	Upper
276	100		
138	24.4	20.3	30.5

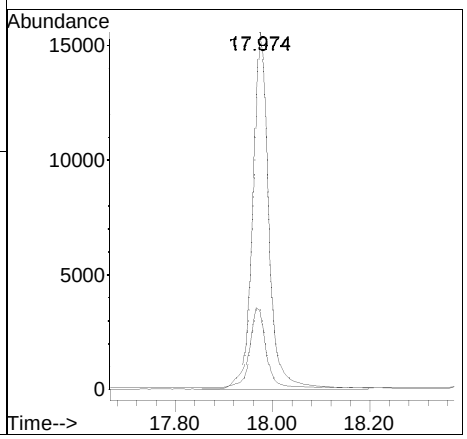


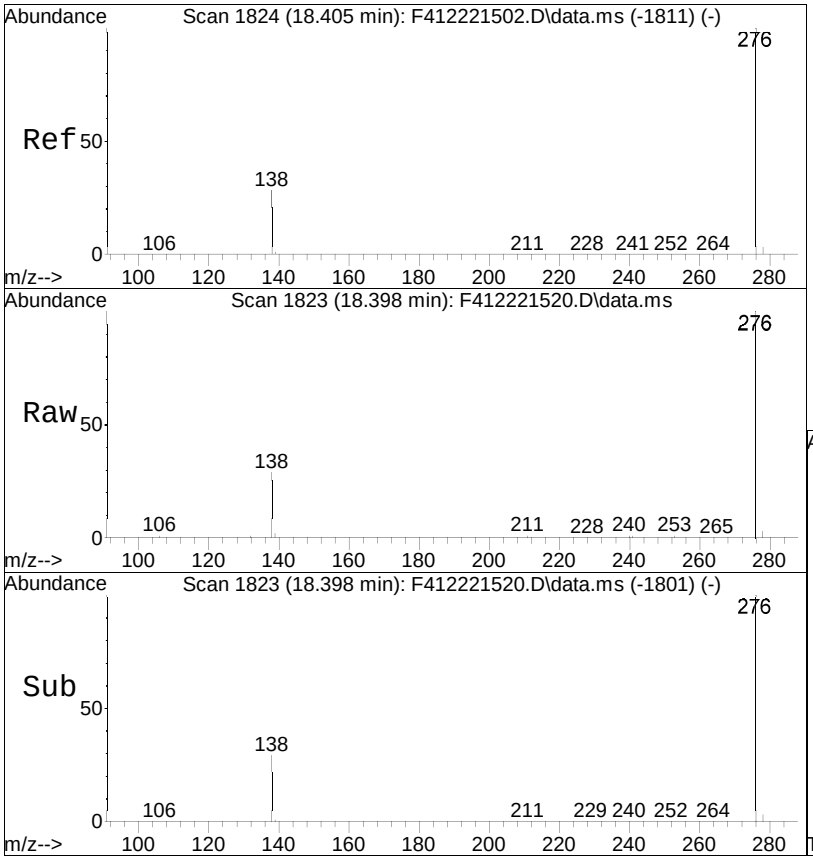


#38
Dibenz[a,h]anthracene
Concen: 272.61 ng/mL
RT: 17.974 min Scan# 1762
Delta R.T. -0.011 min
Lab File: F412221520.D
Acq: 23 Dec 2015 12:32 am

Tgt Ion:278 Resp: 35406

Ion	Ratio	Lower	Upper
278	100		
139	22.3	16.3	24.5

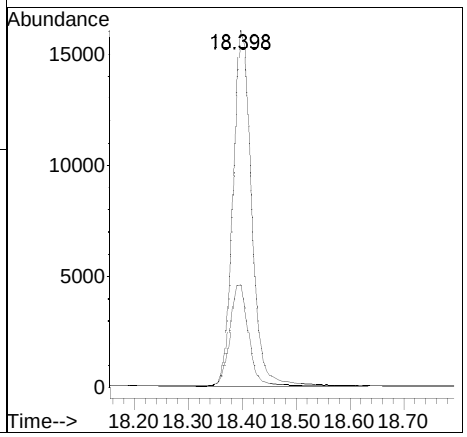




#39
Benzo[g,h,i]perylene
Concen: 278.40 ng/mL
RT: 18.398 min Scan# 1823
Delta R.T. -0.011 min
Lab File: F412221520.D
Acq: 23 Dec 2015 12:32 am

Tgt Ion:276 Resp: 37771

Ion	Ratio	Lower	Upper
276	100		
138	29.0	20.2	30.4



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221521.D
Acq On : 23 Dec 2015 1:02 am
Operator : BNA4:SF
Sample : WG851972-5
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 28 16:45:08 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.440	136	91193	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.192	164	45721	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.637	188	86265	500.000	ng/mL	0.00
24) Chrysene-d12	13.784	240	69842M4	500.000	ng/mL	-0.01
29) Perylene-d12	16.164	264	60727	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.116	152	35382	358.370	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 7.17%#			
25) Pyrene-d10	12.105	212	56348	415.766	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.32%#			
31) Benzo[b]fluoranthene-d12	15.491	264	38903	391.325	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 7.83%#			
Target Compounds						Qvalue
2) Naphthalene	7.462	128	69859	363.350	ng/mL	100
5) 2-Methylnaphthalene	8.145	142	47479	393.629	ng/mL	99
12) Acenaphthylene	9.039	152	74705	409.968	ng/mL	98
13) Acenaphthene	9.221	153	45977	370.638	ng/mL	97
15) Fluorene	9.716	166	54009	404.146	ng/mL	99
19) Phenanthrene	10.657	178	81165	427.609	ng/mL	99
20) Anthracene	10.699	178	72923	417.651	ng/mL	99
23) Fluoranthene	11.869	202	83963	445.117	ng/mL	98
26) Pyrene	12.126	202	86476	414.444	ng/mL	97
27) Benz[a]anthracene	13.763	228	71960	434.093	ng/mL	99
28) Chrysene	13.826	228	64203	395.980	ng/mL	99
32) Benzo[b]fluoranthene	15.532	252	64296	377.631	ng/mL	99
33) Benzo[k]fluoranthene	15.574	252	53203	384.486	ng/mL	99
35) Benzo[a]pyrene	16.066	252	54794M4	362.291	ng/mL	
37) Indeno[1,2,3-cd]pyrene	17.933	276	44618M4	337.317	ng/mL	
38) Dibenz[a,h]anthracene	17.974	278	38083	280.131	ng/mL	95
39) Benzo[g,h,i]perylene	18.398	276	40483	285.087	ng/mL	93

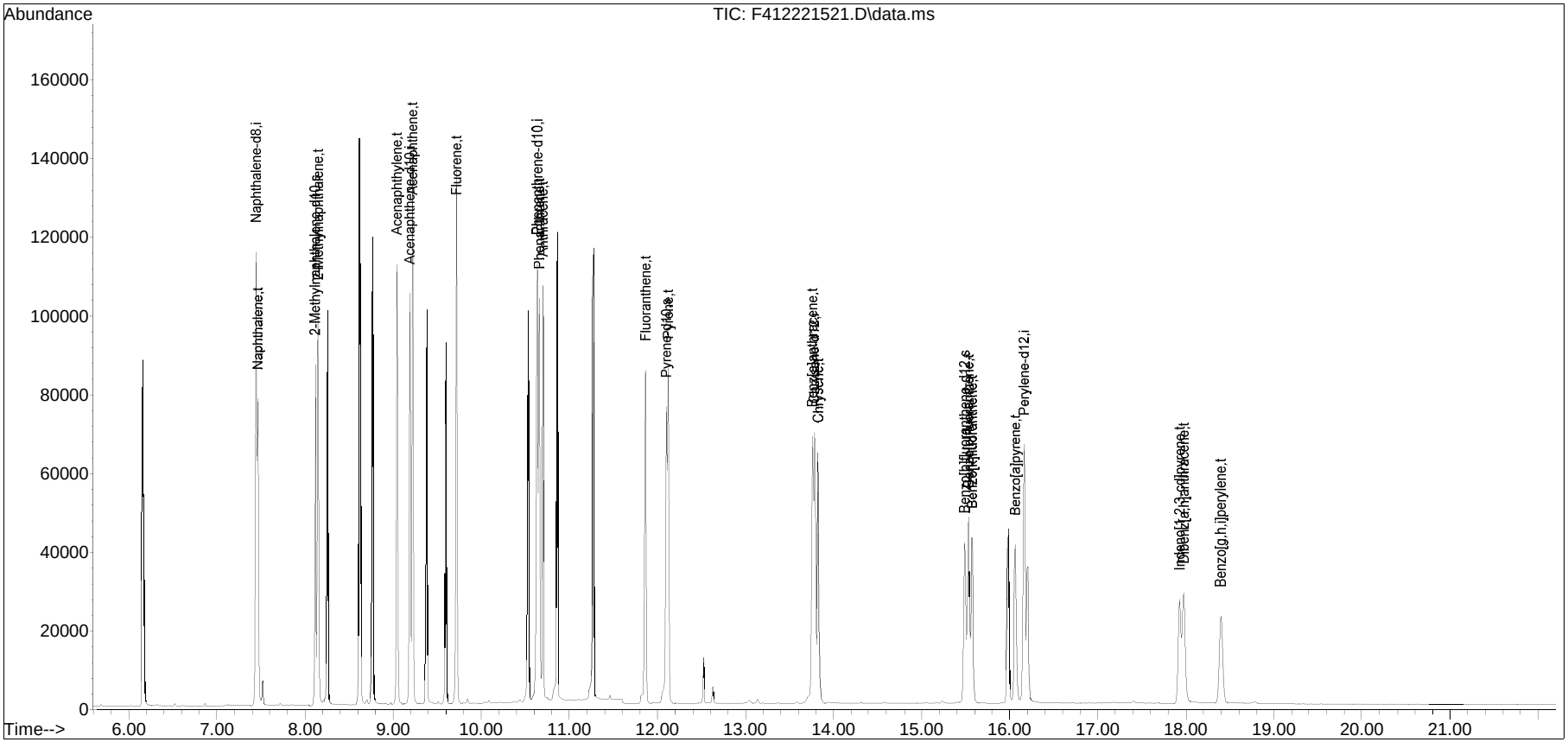
(#) = qualifier out of range (m) = manual integration (+) = signals summed

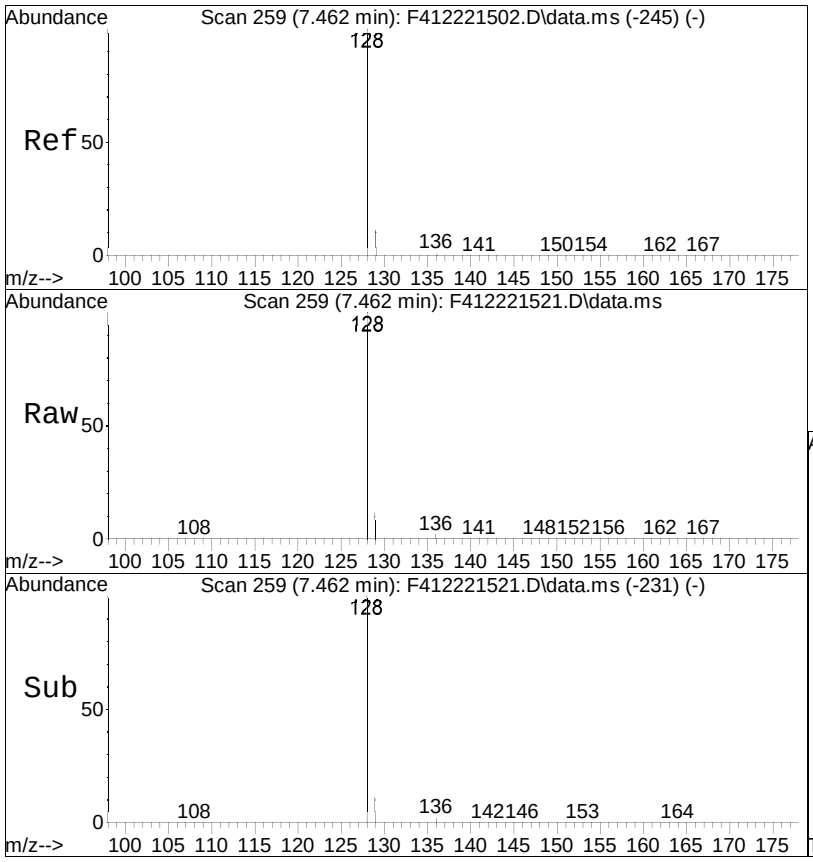
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA4\2015\DEC\DEC22\
Data File : F412221521.D
Acq On : 23 Dec 2015 1:02 am
Operator : BNA4:SF
Sample : WG851972-5
Misc : WG852216,WG851972,ICAL11859
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 28 16:45:08 2015
Quant Method : O:\Organics\DATA\BNA4\2015\DEC\DEC22\PAH1217BNA4.M
Quant Title : PAH's by SIM
QLast Update : Fri Dec 18 12:51:30 2015
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

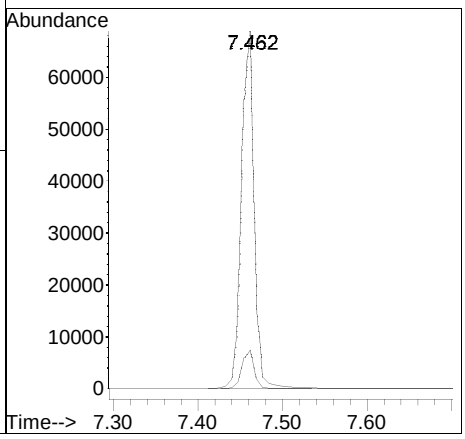


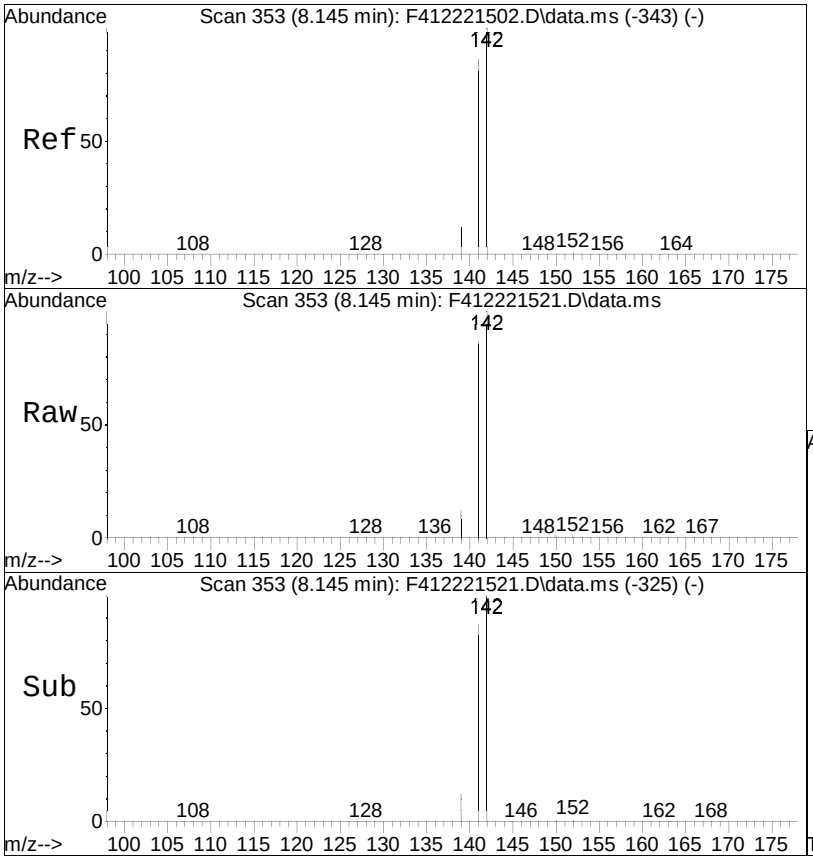


#2
Naphthalene
Concen: 363.35 ng/mL
RT: 7.462 min Scan# 259
Delta R.T. 0.000 min
Lab File: F412221521.D
Acq: 23 Dec 2015 1:02 am

Tgt Ion:128 Resp: 69859

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1

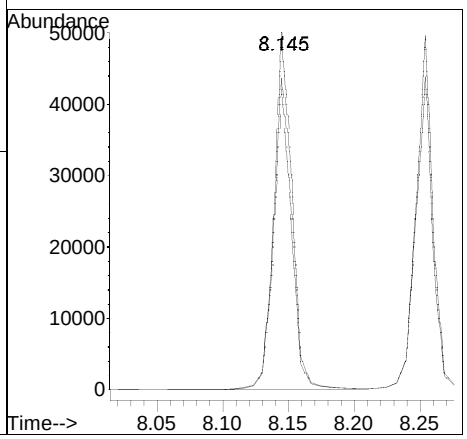


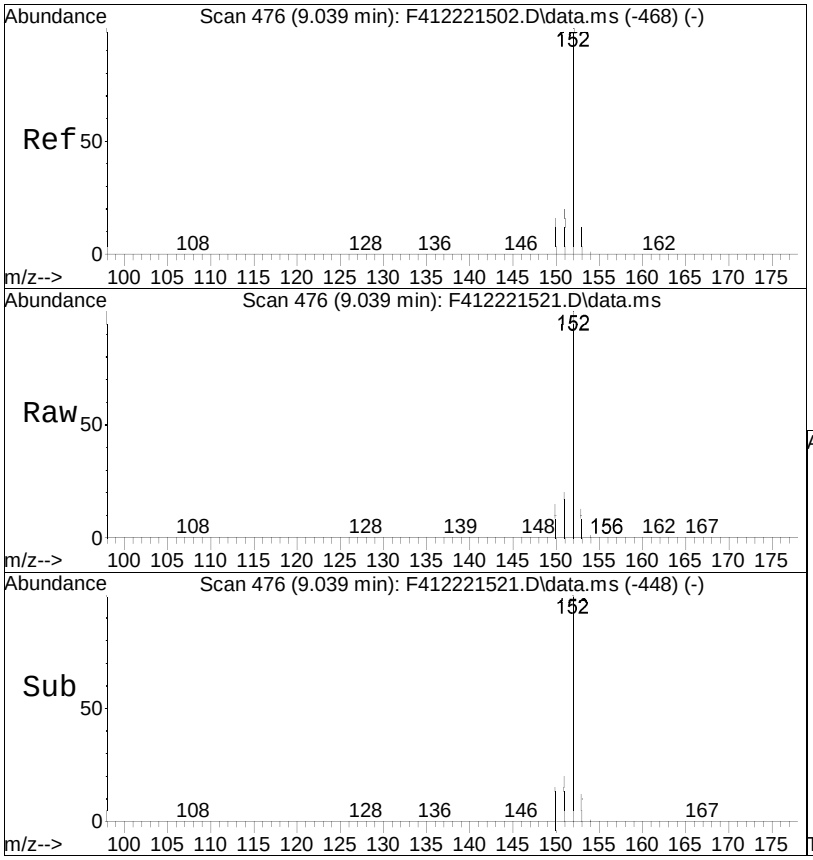


#5
2-Methylnaphthalene
Concen: 393.63 ng/mL
RT: 8.145 min Scan# 353
Delta R.T. 0.000 min
Lab File: F412221521.D
Acq: 23 Dec 2015 1:02 am

Tgt Ion:142 Resp: 47479

Ion	Ratio	Lower	Upper
142	100		
141	87.4	68.8	103.2

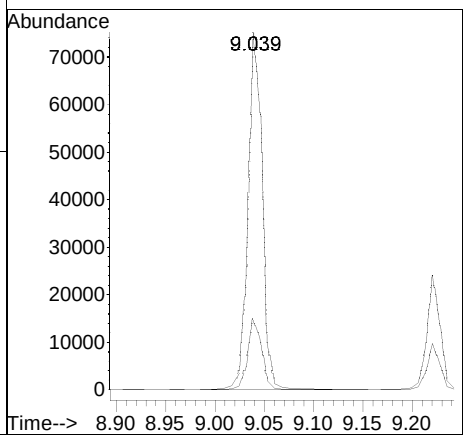


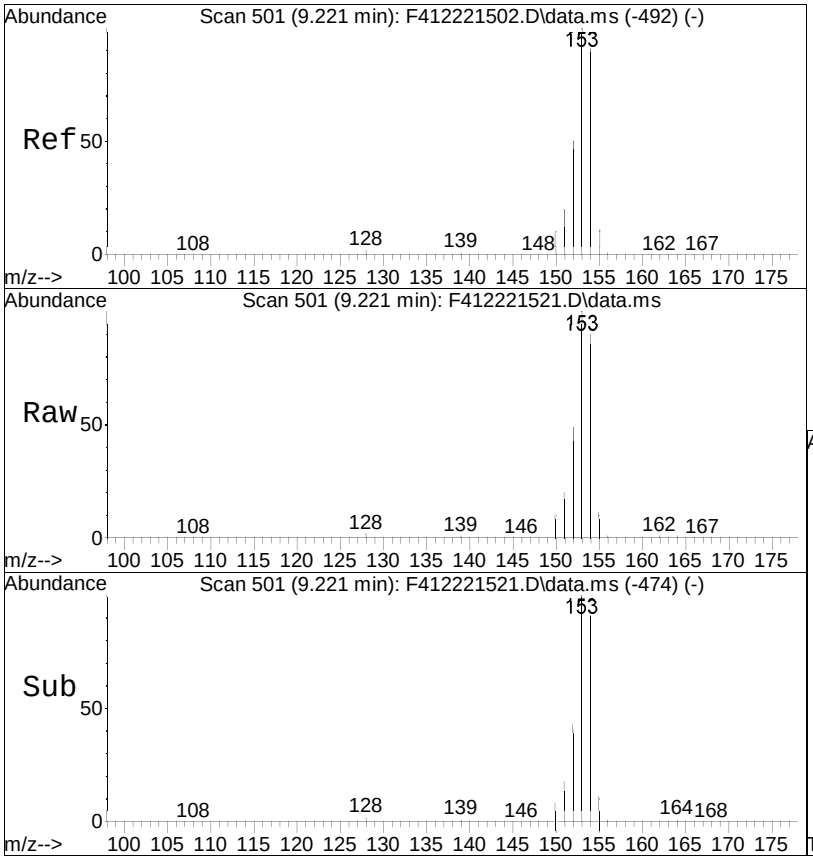


#12
Acenaphthylene
Concen: 409.97 ng/mL
RT: 9.039 min Scan# 476
Delta R.T. 0.000 min
Lab File: F412221521.D
Acq: 23 Dec 2015 1:02 am

Tgt Ion:152 Resp: 74705

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.4	23.0

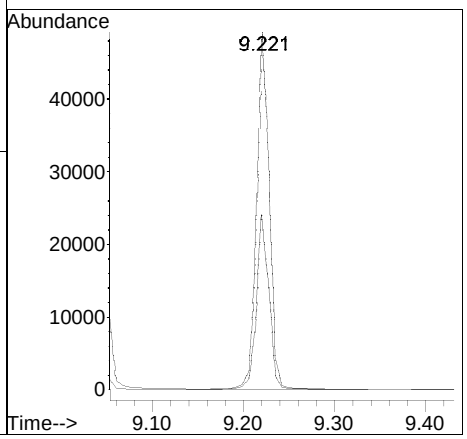


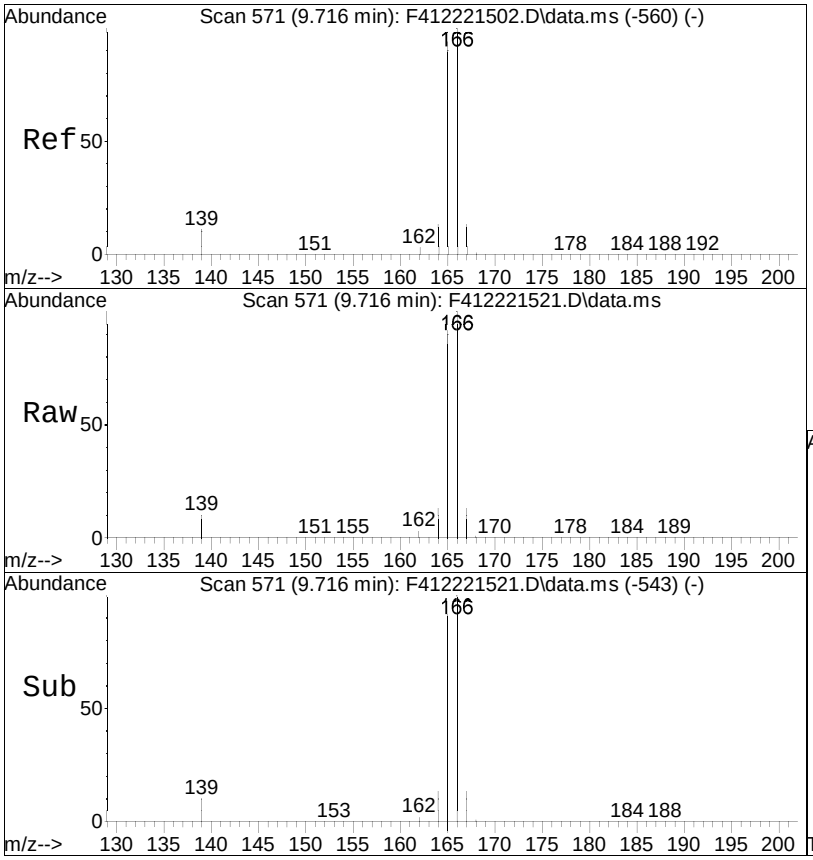


#13
Acenaphthene
Concen: 370.64 ng/mL
RT: 9.221 min Scan# 501
Delta R.T. 0.000 min
Lab File: F412221521.D
Acq: 23 Dec 2015 1:02 am

Tgt Ion:153 Resp: 45977

Ion	Ratio	Lower	Upper
153	100		
152	49.4	37.8	56.8

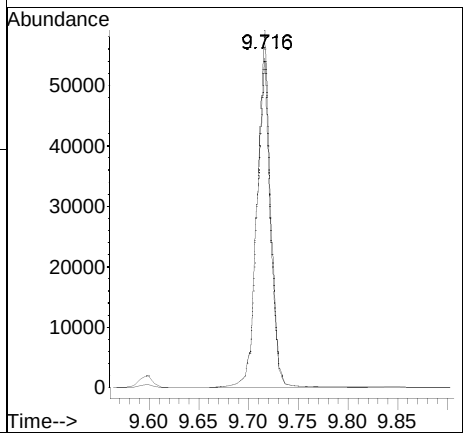


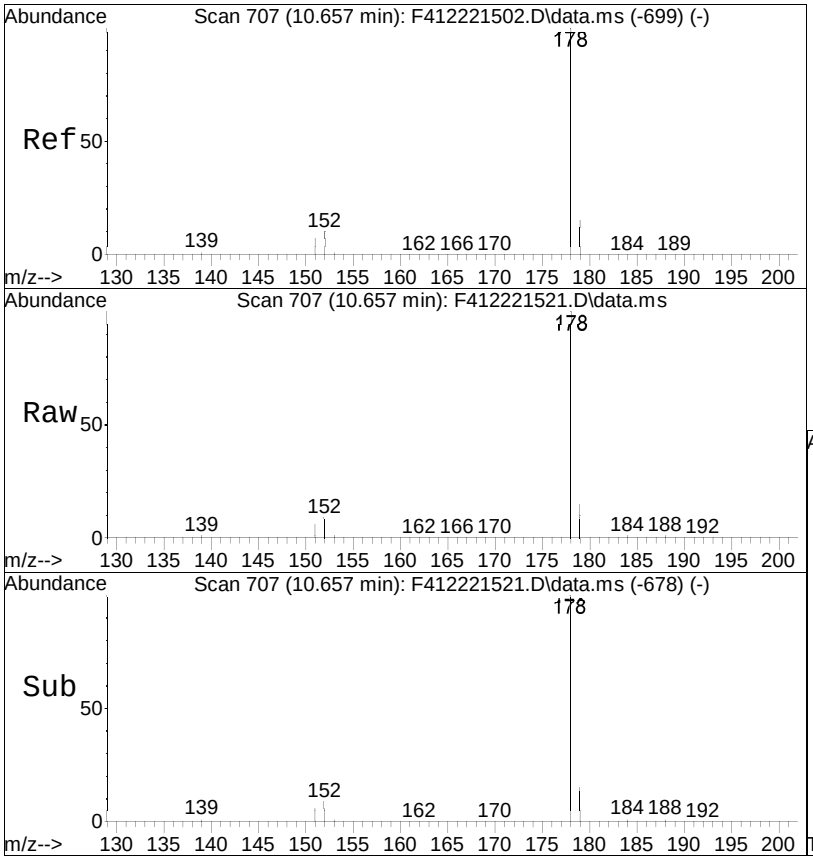


#15
Fluorene
Concen: 404.15 ng/mL
RT: 9.716 min Scan# 571
Delta R.T. -0.004 min
Lab File: F412221521.D
Acq: 23 Dec 2015 1:02 am

Tgt Ion:166 Resp: 54009

Ion	Ratio	Lower	Upper
166	100		
165	92.5	73.2	109.8

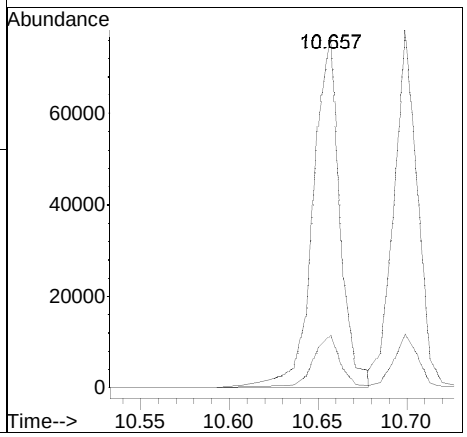


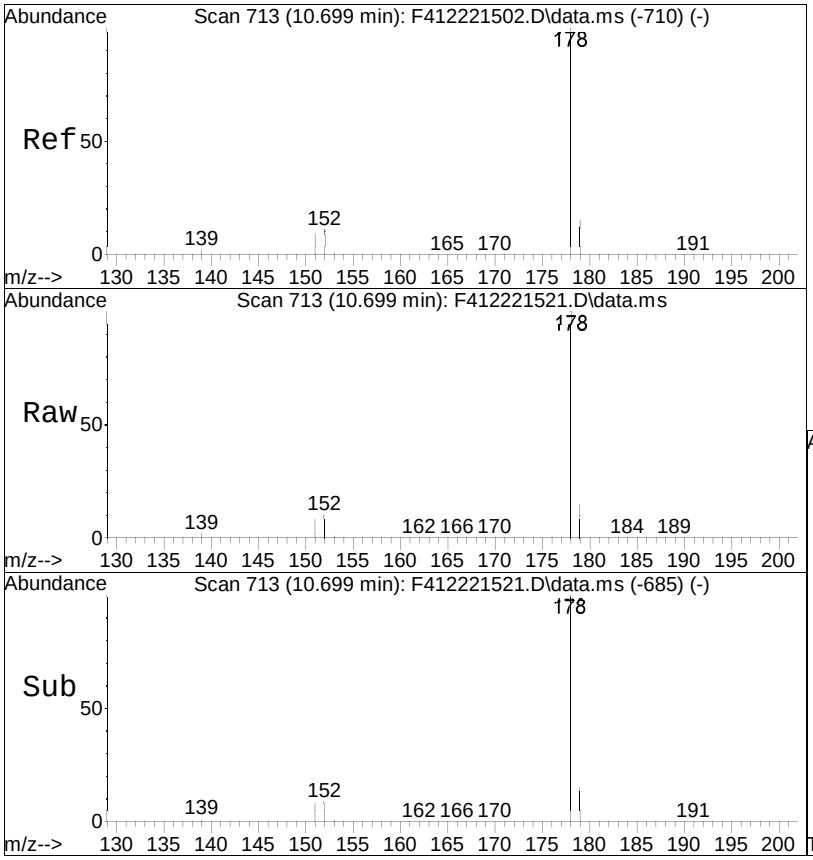


#19
Phenanthrene
Concen: 427.61 ng/mL
RT: 10.657 min Scan# 707
Delta R.T. 0.003 min
Lab File: F412221521.D
Acq: 23 Dec 2015 1:02 am

Tgt Ion:178 Resp: 81165

Ion	Ratio	Lower	Upper
178	100		
179	15.1	11.9	17.9

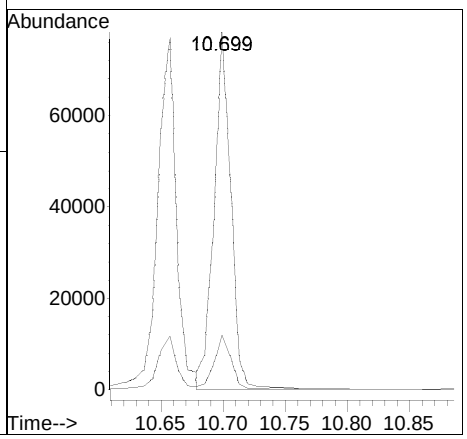


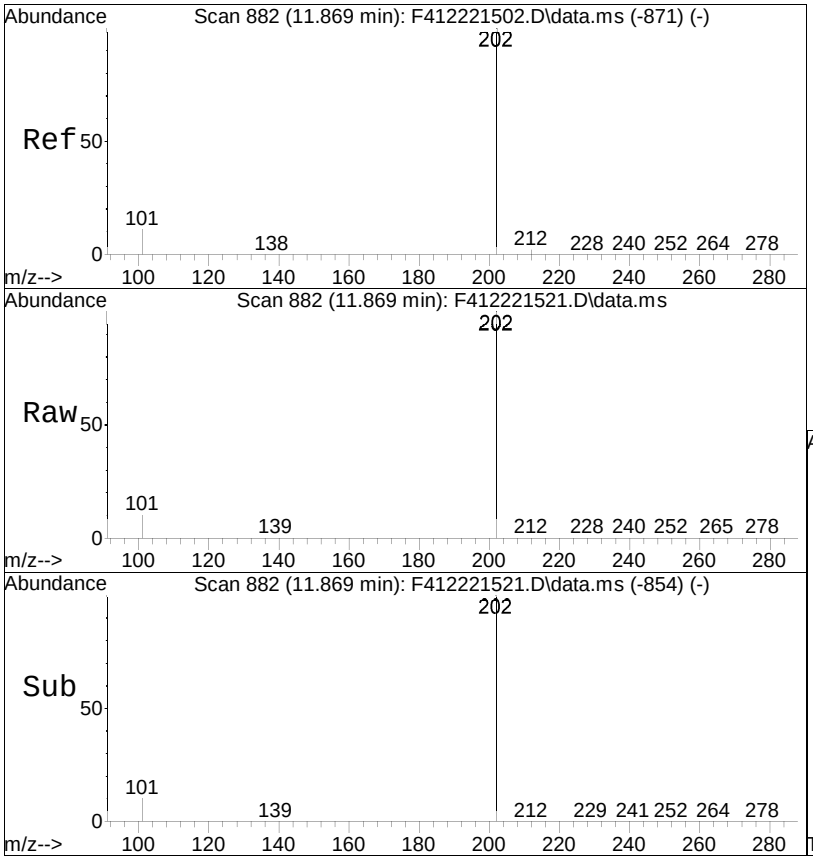


#20
Anthracene
Concen: 417.65 ng/mL
RT: 10.699 min Scan# 713
Delta R.T. -0.004 min
Lab File: F412221521.D
Acq: 23 Dec 2015 1:02 am

Tgt Ion:178 Resp: 72923

Ion	Ratio	Lower	Upper
178	100		
179	15.1	11.8	17.8

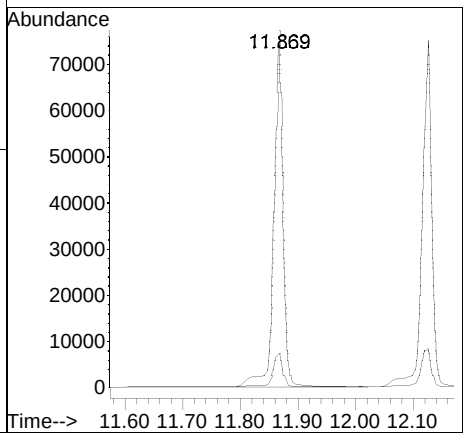


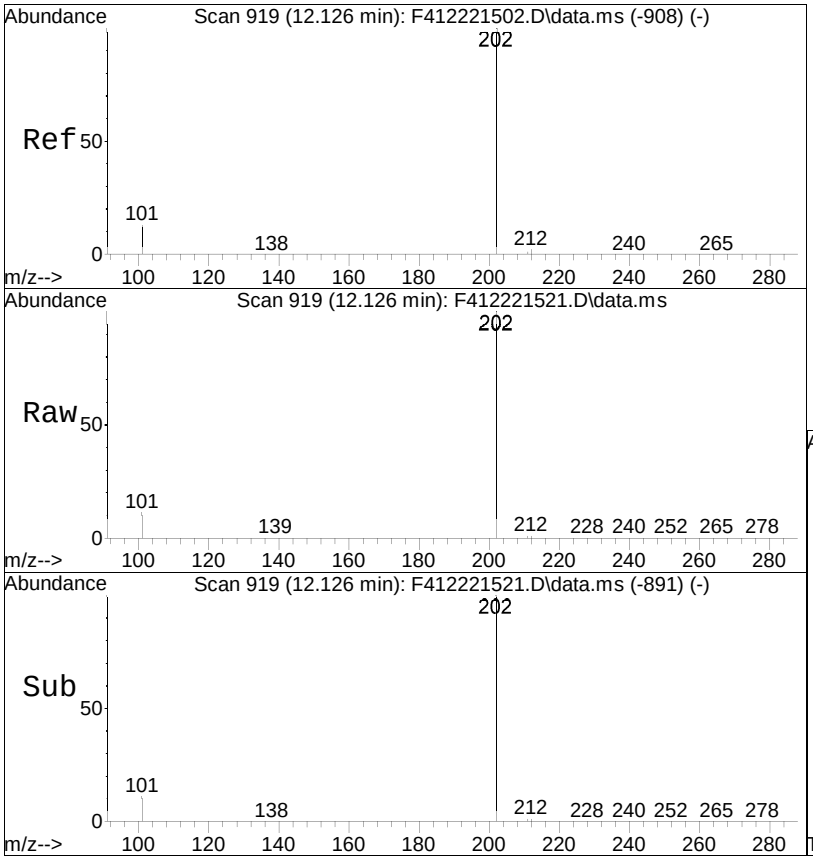


#23
Fluoranthene
Concen: 445.12 ng/mL
RT: 11.869 min Scan# 882
Delta R.T. -0.004 min
Lab File: F412221521.D
Acq: 23 Dec 2015 1:02 am

Tgt Ion:202 Resp: 83963

Ion	Ratio	Lower	Upper
202	100		
101	9.7	8.3	12.5

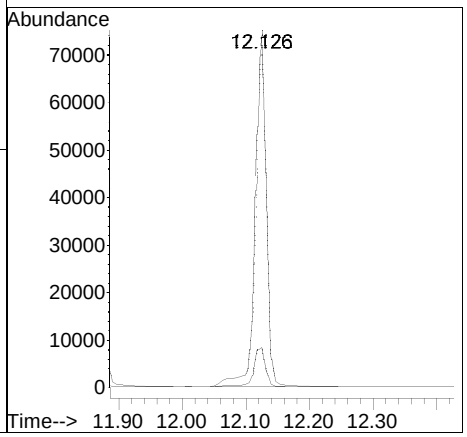


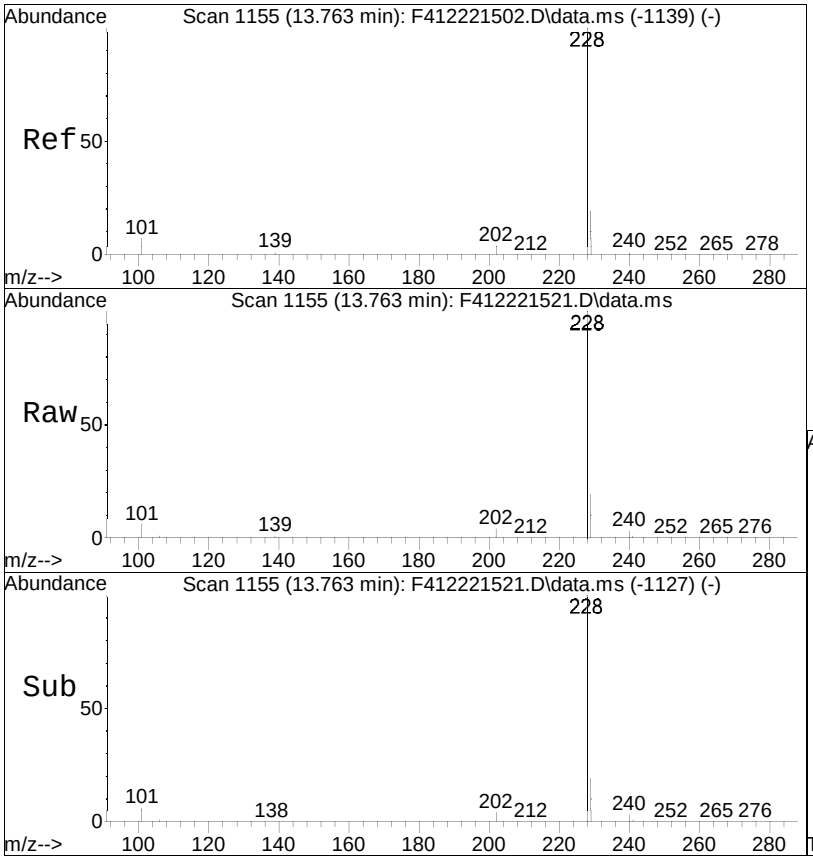


#26
Pyrene
Concen: 414.44 ng/mL
RT: 12.126 min Scan# 919
Delta R.T. -0.004 min
Lab File: F412221521.D
Acq: 23 Dec 2015 1:02 am

Tgt Ion:202 Resp: 86476

Ion	Ratio	Lower	Upper
202	100		
101	11.5	10.1	15.1

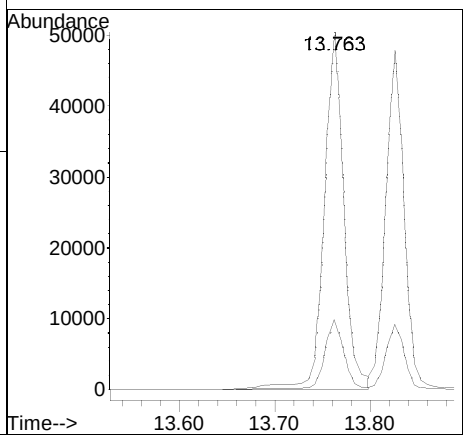


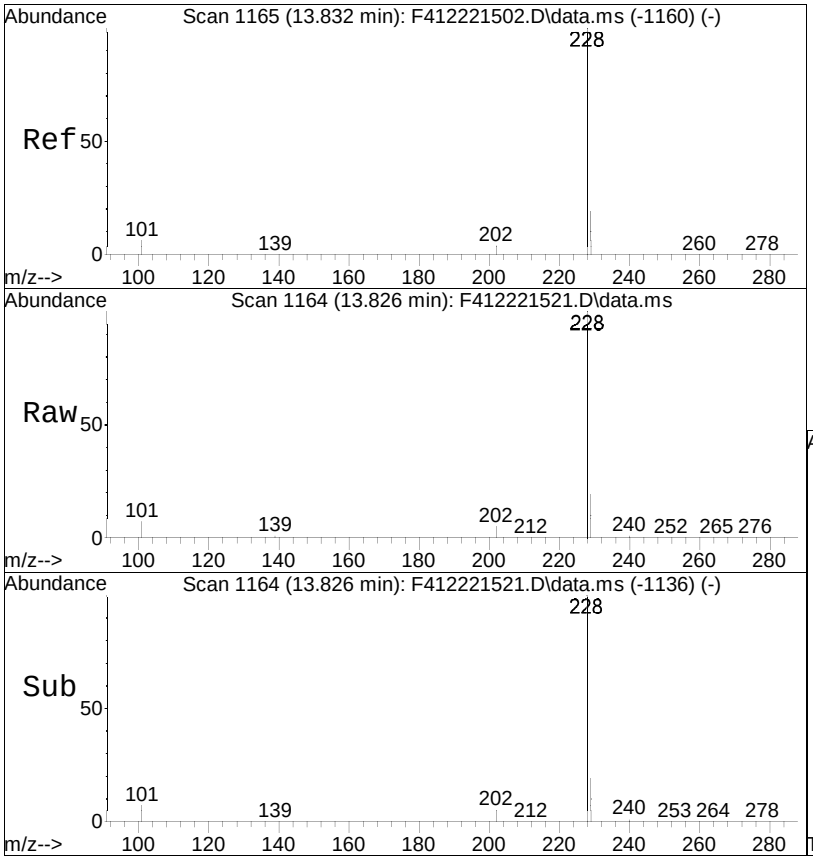


#27
Benz[a]anthracene
Concen: 434.09 ng/mL
RT: 13.763 min Scan# 1155
Delta R.T. -0.004 min
Lab File: F412221521.D
Acq: 23 Dec 2015 1:02 am

Tgt Ion:228 Resp: 71960

Ion	Ratio	Lower	Upper
228	100		
229	19.5	15.2	22.8

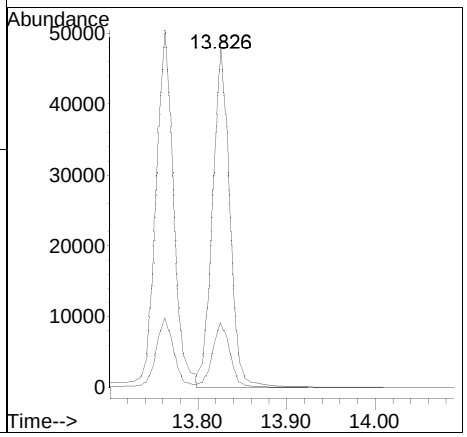


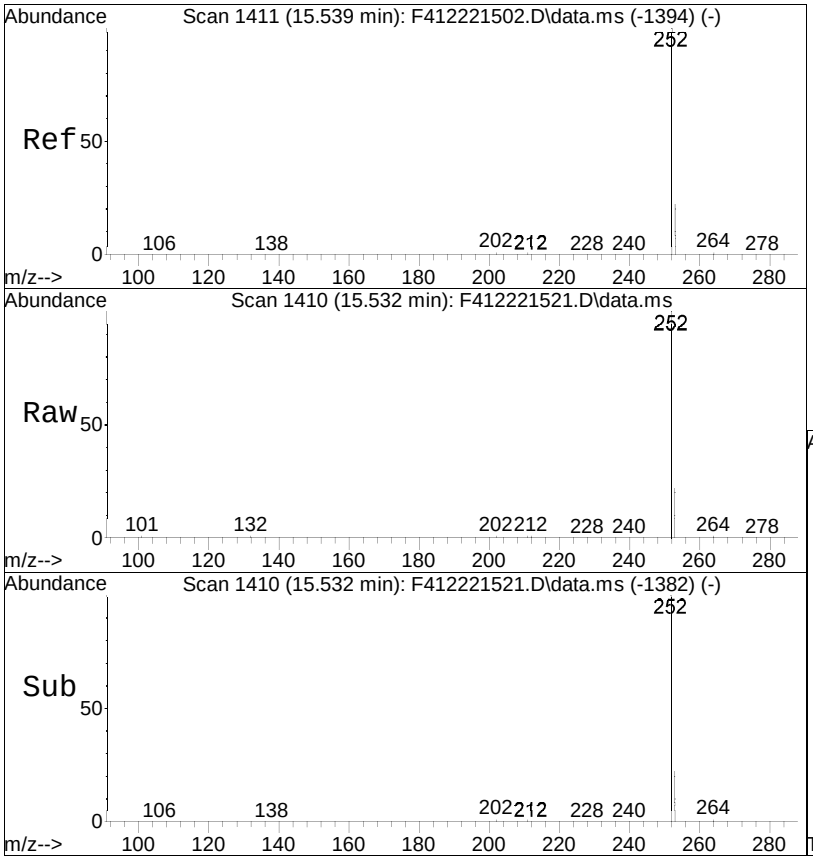


#28
Chrysene
Concen: 395.98 ng/mL
RT: 13.826 min Scan# 1164
Delta R.T. -0.004 min
Lab File: F412221521.D
Acq: 23 Dec 2015 1:02 am

Tgt Ion:228 Resp: 64203

Ion	Ratio	Lower	Upper
228	100		
229	19.2	15.0	22.6

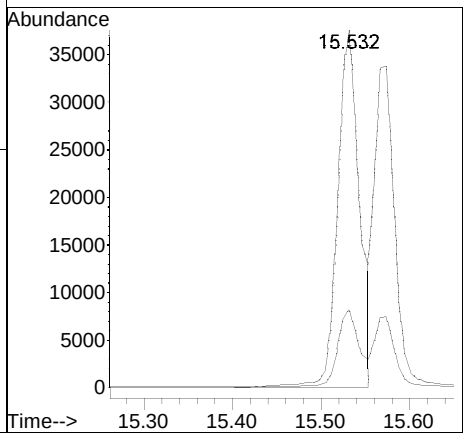


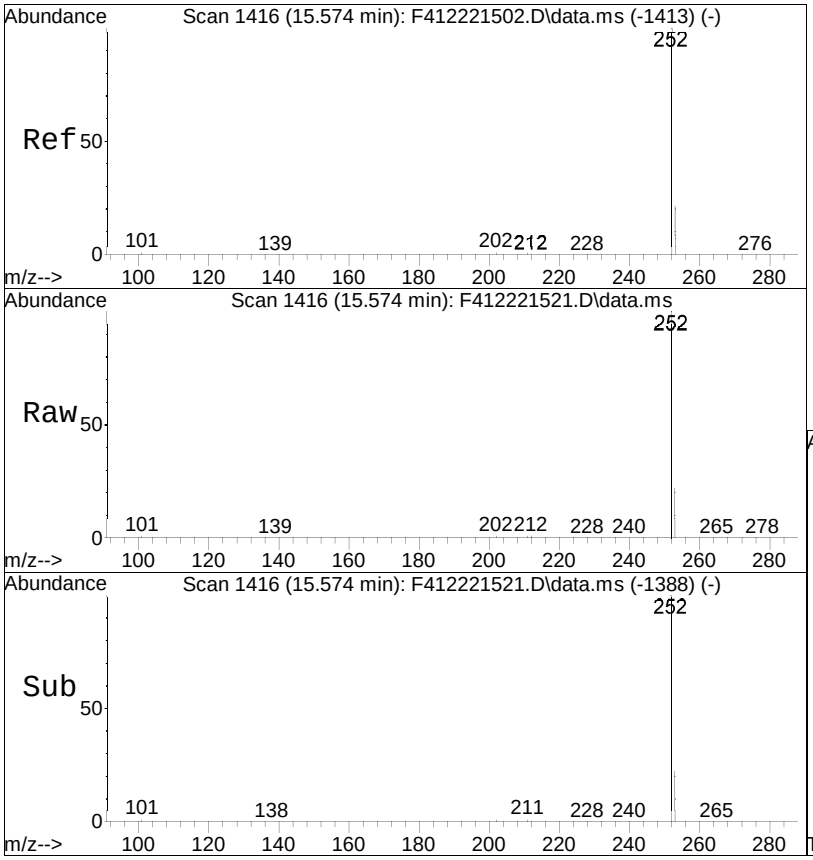


#32
Benzo[b]fluoranthene
Concen: 377.63 ng/mL
RT: 15.532 min Scan# 1410
Delta R.T. -0.004 min
Lab File: F412221521.D
Acq: 23 Dec 2015 1:02 am

Tgt Ion:252 Resp: 64296

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7

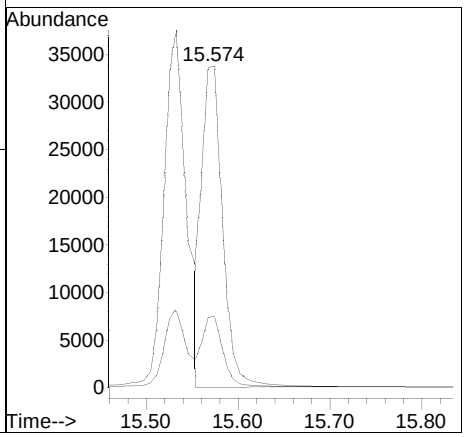


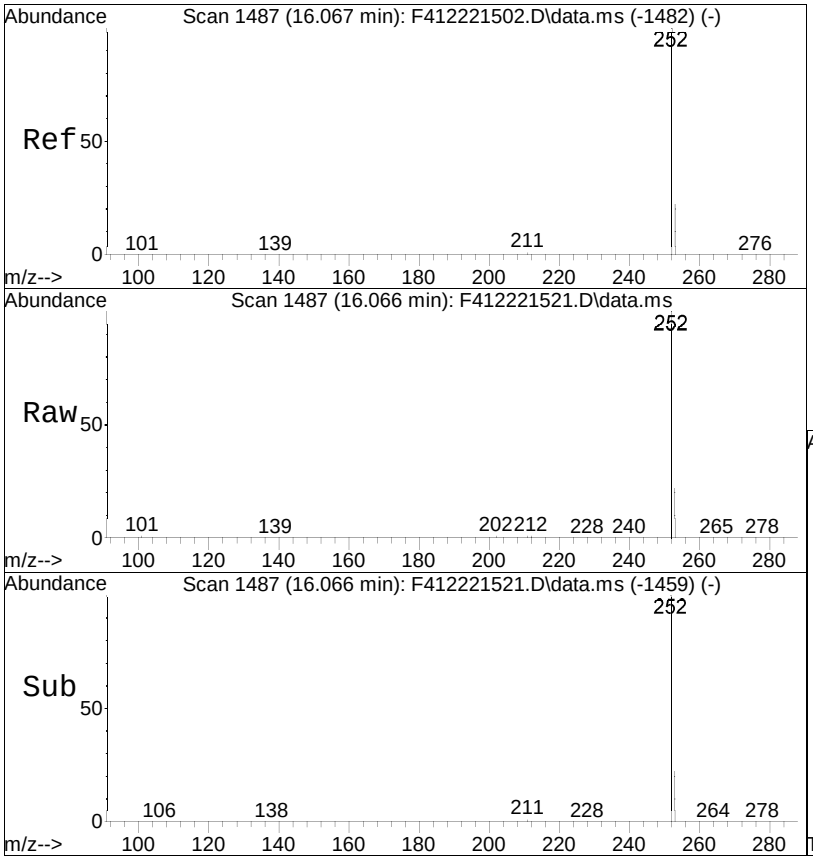


#33
Benzo[k]fluoranthene
Concen: 384.49 ng/mL
RT: 15.574 min Scan# 1416
Delta R.T. -0.004 min
Lab File: F412221521.D
Acq: 23 Dec 2015 1:02 am

Tgt Ion:252 Resp: 53203

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8

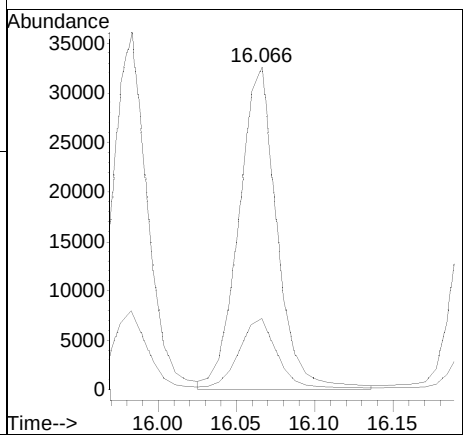


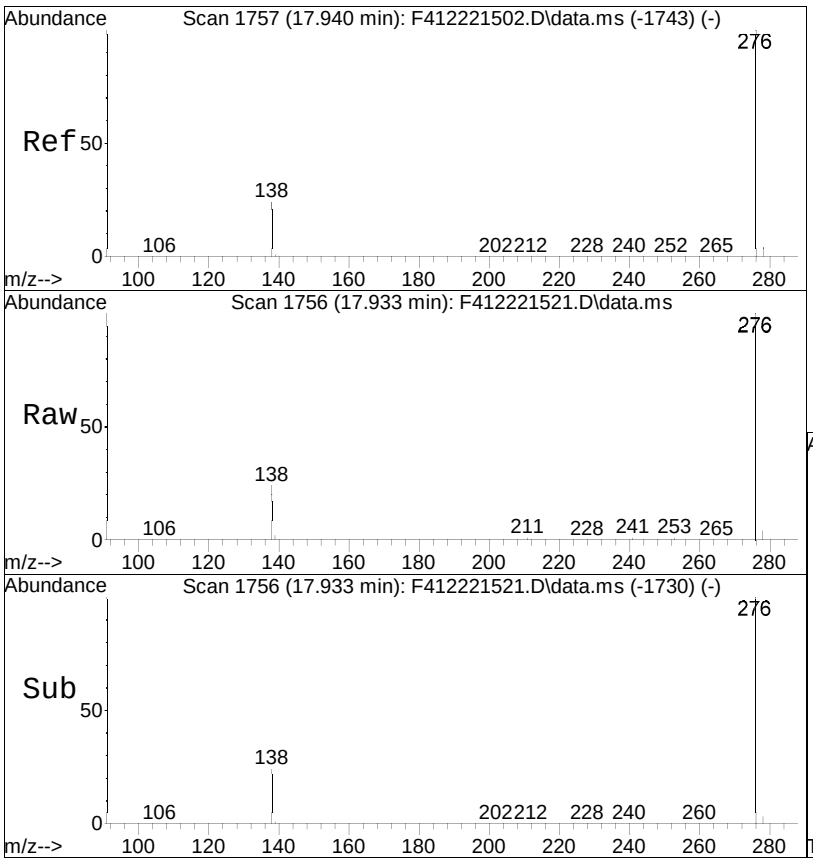


#35
Benzo[a]pyrene
Concen: 362.29 ng/mL M4
RT: 16.066 min Scan# 1487
Delta R.T. -0.004 min
Lab File: F412221521.D
Acq: 23 Dec 2015 1:02 am

Tgt Ion:252 Resp: 54794

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.3	25.9

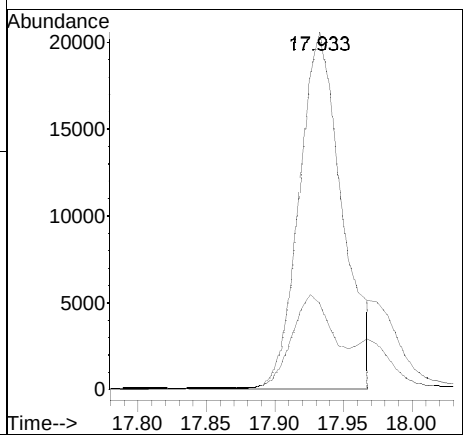


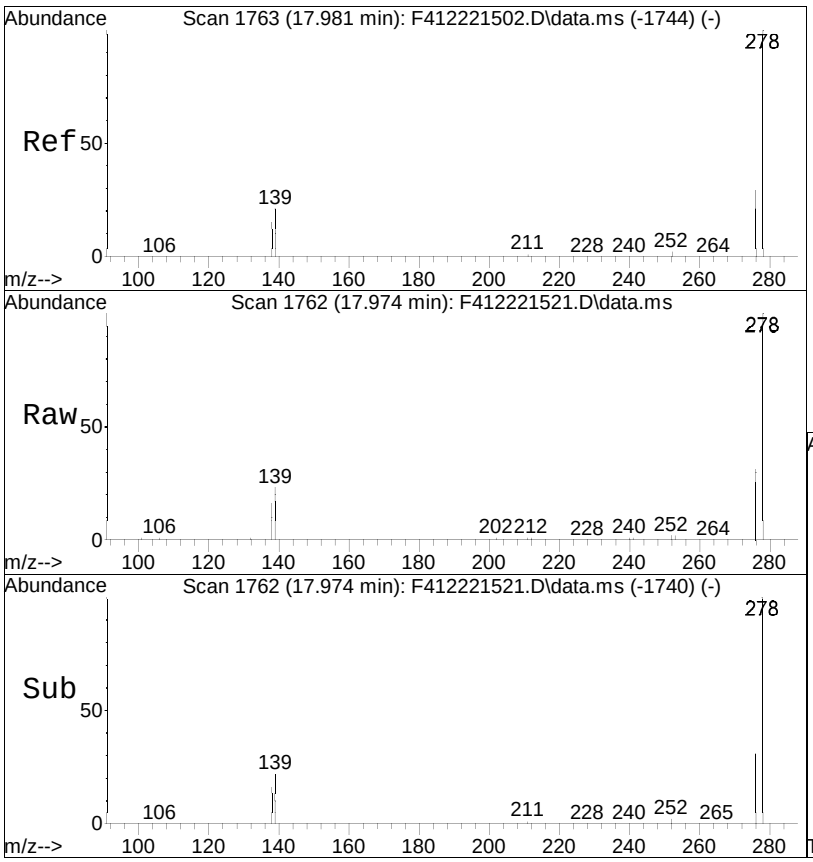


#37
Indeno[1,2,3-cd]pyrene
Concen: 337.32 ng/mL M4
RT: 17.933 min Scan# 1756
Delta R.T. -0.011 min
Lab File: F412221521.D
Acq: 23 Dec 2015 1:02 am

Tgt Ion:276 Resp: 44618

Ion	Ratio	Lower	Upper
276	100		
138	24.4	20.3	30.5

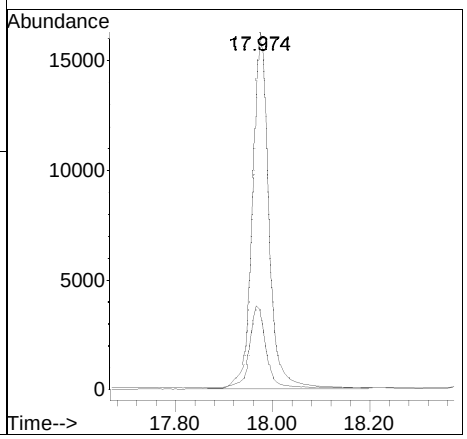


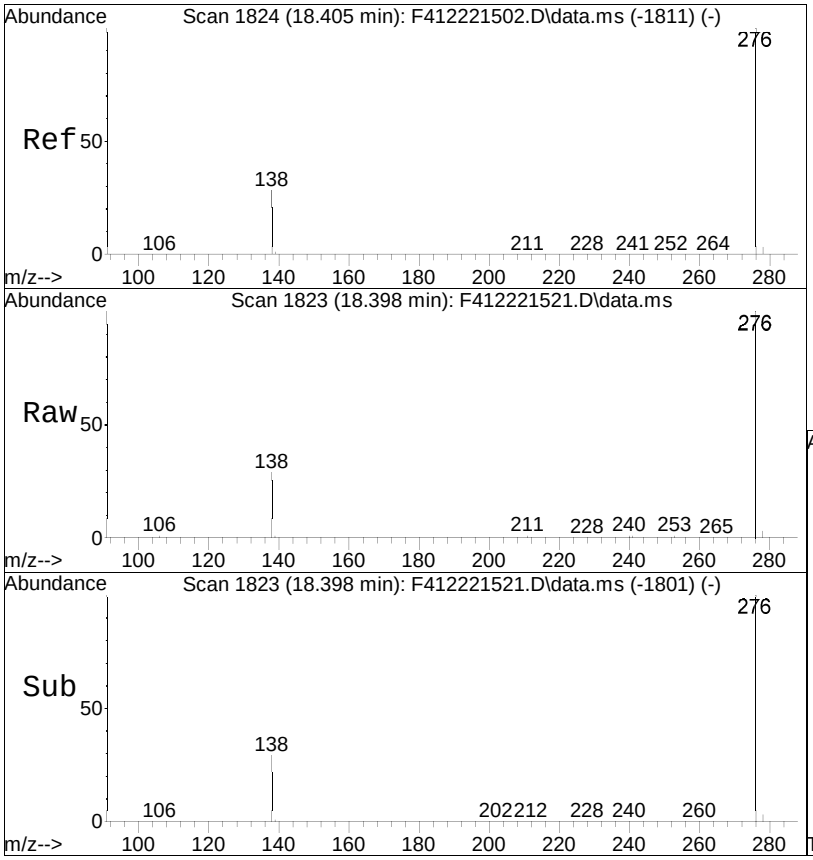


#38
Dibenz[a,h]anthracene
Concen: 280.13 ng/mL
RT: 17.974 min Scan# 1762
Delta R.T. -0.011 min
Lab File: F412221521.D
Acq: 23 Dec 2015 1:02 am

Tgt Ion:278 Resp: 38083

Ion	Ratio	Lower	Upper
278	100		
139	22.6	16.3	24.5

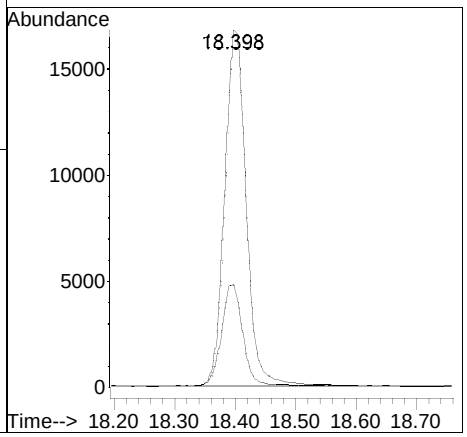




#39
Benzo[g,h,i]perylene
Concen: 285.09 ng/mL
RT: 18.398 min Scan# 1823
Delta R.T. -0.011 min
Lab File: F412221521.D
Acq: 23 Dec 2015 1:02 am

Tgt Ion:276 Resp: 40483

Ion	Ratio	Lower	Upper
276	100		
138	29.0	20.2	30.4



Sample Preparation

ORGANIC ELN REPORT

Workgroup: WG851972

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** 0000113719
Surrogate Type: 8270SIM **Lot #:** MSAG74
Spike Type: 8270SIM **Lot #:** MSAG64
Spike Verify by: N/A
Lims Spikelot: A2-SIMSPK

Additional Reagents/Stds

Glass Wool	11414001
Na2SO4	0000116741

Conc.Method: Buchi
Solvent Type: DCM
Lot #: 0000113719

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction: Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Concentration: Conc Date	Analyst	Final Vol ml	Conc Unit
WG851972-1 BLANK	12/22/15 06:30	Brian Anderson	1000	7	.1		12/22/15 08:52	Brian Anderson	1	BUCHI 2
	Shared QC with WG851974. BA 12/22/15									
WG851972-2 LCS	12/22/15 06:30	Brian Anderson	1000	7	.1	.1	12/22/15 09:00	Brian Anderson	1	BUCHI 2
WG851972-3 LCSD	12/22/15 06:30	Brian Anderson	1000	7	.1	.1	12/22/15 09:00	Brian Anderson	1	BUCHI 2
WG851972-4 MS	12/22/15 06:30	Brian Anderson	940	7	.1	.1	12/22/15 09:00	Brian Anderson	1	BUCHI 2
WG851972-5 MSD	12/22/15 06:30	Brian Anderson	900	7	.1	.1	12/22/15 09:00	Brian Anderson	1	BUCHI 2
L1533592-01 WATER	12/22/15 06:30	Brian Anderson	970	7	.1		12/22/15 09:00	Brian Anderson	1	BUCHI 2

Reported: 12-JAN-16 01:40 PM

ORGANIC ELN REPORT

Workgroup: WG851972

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L1533592-02 WATER	12/22/15 06:30	Brian Anderson	980	7	.1		12/22/15 09:00	Brian Anderson	1	BUCHI 2
L1533592-03 WATER	12/22/15 06:30	Brian Anderson	920	7	.1		12/22/15 09:00	Brian Anderson	1	BUCHI 2
L1533592-04 WATER	12/22/15 06:30	Brian Anderson	1000	7	.1		12/22/15 09:00	Brian Anderson	1	BUCHI 2
L1533592-05 WATER	12/22/15 06:30	Brian Anderson	1000	7	.1		12/22/15 09:00	Brian Anderson	1	BUCHI 2
L1533592-06 WATER	12/22/15 06:30	Brian Anderson	990	7	.1		12/22/15 09:00	Brian Anderson	1	BUCHI 2
L1533592-07 WATER	12/22/15 06:30	Brian Anderson	1000	7	.1		12/22/15 09:00	Brian Anderson	1	BUCHI 2
L1533592-09 WATER	12/22/15 06:30	Brian Anderson	960	7	.1		12/22/15 09:00	Brian Anderson	1	BUCHI 2
L1533592-10 WATER	12/22/15 06:30	Brian Anderson	990	7	.1		12/22/15 09:00	Brian Anderson	1	BUCHI 2
L1533592-11 WATER	12/22/15 06:30	Brian Anderson	990	7	.1		12/22/15 09:00	Brian Anderson	1	BUCHI 2
L1533592-12 WATER	12/22/15 06:30	Brian Anderson	1000	7	.1		12/22/15 09:00	Brian Anderson	1	BUCHI 2

Reported: 12-JAN-16 01:40 PM

GC/MS 8260
Analysis

Initial Calibration

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 07-NOV-2015 19:08
End Cal Date : 07-NOV-2015 22:27
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\liq8260C.m
Cal Date : 08-Nov-2015 12:24 pduczmalewski

Calibration File Names:
Level 1: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A04.D
Level 2: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A05.D
Level 3: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A06.D
Level 4: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A07.D
Level 6: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A08.D
Level 8: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A09.D
Level 10: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A10.D
Level 11: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A03.D

Compound	5.0000 Level 1 / 2000.0000 Level 10	20.0000 Level 2 / 2.0000 Level 11	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2
1 dichlorodifluoromethane	0.16801	0.19934	0.17543	0.19558	0.19125	0.20710					
	0.21882	+++++					AVRG		0.19365		9.05617
2 chloromethane	0.17312	0.22352	0.19882	0.20243	0.18739	0.19728					
	0.20177	+++++					AVRG		0.19776		7.77163
3 vinyl chloride	0.24798	0.28509	0.24585	0.25983	0.25005	0.25767					
	0.26560	0.22357					AVRG		0.25445		6.95296

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 07-NOV-2015 19:08
End Cal Date : 07-NOV-2015 22:27
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\liq8260C.m
Cal Date : 08-Nov-2015 12:24 pduczmalewski

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
4 bromomethane	1255	3791	17999	70192	244142	473769						
	999640	+++++					QUAD	0.23815	4.49657	-0.21214	0.99822	
5 chloroethane	0.25573	0.30797	0.27101	0.27792	0.29382	0.25875						
	0.20196	+++++					AVRG		0.26674		12.76624	
6 trichlorofluoromethane	0.51723	0.65095	0.55658	0.59929	0.59794	0.66682						
	0.72121	+++++					AVRG		0.61572		11.24543	
7 ethyl ether	0.18598	0.20003	0.20780	0.19721	0.19339	0.19615						
	0.20216	+++++					AVRG		0.19753		3.49367	
8 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
9 1,1,-dichloroethene	0.31129	0.36626	0.32264	0.33193	0.33286	0.35593						
	0.38562	+++++					AVRG		0.34379		7.66418	
10 carbon disulfide	1.18482	1.06146	0.88518	0.92448	0.94656	1.02323						
	1.11955	+++++					AVRG		1.02075		10.69407	

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 07-NOV-2015 19:08
End Cal Date : 07-NOV-2015 22:27
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\liq8260C.m
Cal Date : 08-Nov-2015 12:24 pduczmalewski

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
11 freon-113	0.29942	0.36587	0.31711	0.33887	0.34133	0.37188						
	0.41126	+++++					AVRG		0.34939		10.65801	
12 iodomethane	+++++	4298	27200	121586	402089	712998						
	1393456	+++++					WLINR	0.19409	0.41171		0.99291	<-
15 methylene chloride	0.19621	0.22050	0.20688	0.21452	0.20921	0.21843						
	0.23112	+++++					AVRG		0.21384		5.21165	
16 acetone	1869	2345	5473	13370	35007	58230						
	104748	+++++					WLINR	-0.44241	0.03139		0.99954	<-
17 trans-1,2-dichloroethene	0.19093	0.21955	0.19807	0.20623	0.20611	0.22070						
	0.24170	+++++					AVRG		0.21190		7.99157	
14 Isopropyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
18 Methyl Acetate	0.07865	0.08458	0.09400	0.09129	0.09021	0.09258						
	0.09275	+++++					AVRG		0.08915		6.22972	

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 07-NOV-2015 19:08
End Cal Date : 07-NOV-2015 22:27
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\liq8260C.m
Cal Date : 08-Nov-2015 12:24 pduczmalewski

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
19 methyl tert butyl ether	0.41599	0.45714	0.47449	0.49048	0.49343	0.51355						
	0.54079	+++++					AVRG		0.48369		8.29770	
13 acrolein	27.00000	168	1851	5834	17458	29525						
	53552	+++++					WLINR	0.05251	0.01647		0.99915	<-
20 Tert-Butyl Alcohol	0.01088	0.01099	0.00903	0.00920	0.00840	0.00964						
	0.00939	+++++					AVRG		0.00965		9.97214	<-
21 Diisopropyl Ether	0.56521	0.60838	0.62237	0.64707	0.64845	0.67608						
	0.71503	+++++					AVRG		0.64037		7.53130	
22 1,1-dichloroethane	0.33289	0.37377	0.37201	0.38340	0.37708	0.39964						
	0.42655	+++++					AVRG		0.38076		7.49853	
23 halothane	0.12630	0.16204	0.15459	0.17286	0.17411	0.18608						
	0.20460	+++++					AVRG		0.16865		14.68115	
24 acrylonitrile	+++++	0.04434	0.04826	0.04987	0.05020	0.05136						
	0.05186	+++++					AVRG		0.04932		5.56256	<-

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Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\liq8260C.m
Cal Date : 08-Nov-2015 12:24 pduczmalewski

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2
	2000.0000 Level 10	2.0000 Level 11									
25 Ethyl-Tert-Butyl-Ether	0.49414	0.51417	0.55641	0.58572	0.59554	0.62649					
	0.67028	+++++					AVRG		0.57754		10.67456
26 vinyl acetate	0.36735	0.40805	0.45685	0.46502	0.47598	0.48590					
	0.50625	+++++					AVRG		0.45220		10.66584
27 cis-1,2-dichloroethene	0.22176	0.26173	0.24021	0.25042	0.24735	0.25750					
	0.27572	+++++					AVRG		0.25067		6.81803
28 2,2-dichloropropane	0.23759	0.29640	0.28855	0.32045	0.31863	0.33952					
	0.36068	+++++					AVRG		0.30883		12.88597
29 bromochloromethane	0.09827	0.10703	0.11574	0.12268	0.12234	0.12655					
	0.13726	+++++					AVRG		0.11855		10.87439
30 Cyclohexane	0.27172	0.28280	0.27145	0.31632	0.32172	0.35092					
	0.38952	+++++					AVRG		0.31492		14.02052
31 chloroform	0.38516	0.39851	0.40290	0.41757	0.40642	0.42282					
	0.44529	+++++					AVRG		0.41124		4.72809

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Cal Date : 08-Nov-2015 12:24 pduczmalewski

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
32 Ethyl Acetate	0.14312	0.14580	0.14502	0.14730	0.14601	0.14805						
	0.14975	+++++					AVRG		0.14644		1.47330	
33 carbontetrachloride	0.24715	0.32641	0.28459	0.32765	0.33194	0.36487						
	0.40307	+++++					AVRG		0.32652		15.52465	
34 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
35 tetrahydrofuran	+++++	0.03514	0.05018	0.05118	0.05059	0.05051						
	0.04965	+++++					AVRG		0.04788		13.06996	<-
37 1,1,1-trichloroethane	0.27255	0.35792	0.33269	0.36118	0.35627	0.38417						
	0.41238	+++++					AVRG		0.35388		12.36040	
38 2-butanone	1235	2242	8198	22949	63395	106489						
	196528	+++++					WLINR	-0.12301	0.05945		0.99940	
39 1,1-dichloropropene	0.24600	0.28478	0.25771	0.29218	0.28932	0.30875						
	0.33112	+++++					AVRG		0.28712		10.05005	

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Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
40 benzene	0.79851	0.88609	0.83759	0.87698	0.87493	0.91909						
	0.99691	+++++					AVRG		0.88430		7.08888	
41 Tertiary-Amyl Methyl Ether	0.44270	0.44190	0.49562	0.52468	0.53427	0.55284						
	0.59073	+++++					AVRG		0.51182		10.85157	
43 1,2-dichloroethane	0.24814	0.26704	0.28482	0.28967	0.27827	0.28340						
	0.29388	+++++					AVRG		0.27789		5.64316	
44 2-methyl-2-butanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
45 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
47 methyl cyclohexane	0.25952	0.31911	0.29890	0.34216	0.35269	0.39073						
	0.45195	+++++					AVRG		0.34501		18.21613	
48 trichloroethene	0.19917	0.23932	0.22767	0.24367	0.25065	0.27049						
	0.31039	+++++					AVRG		0.24877		14.01386	

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Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
49 Hexane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
50 dibromomethane	0.08392	0.12668	0.13935	0.14066	0.13840	0.14332						
	0.14993	+++++					AVRG		0.13175		16.85517	
52 1,2-dichloropropane	0.17873	0.21117	0.21183	0.22024	0.21797	0.22686						
	0.23777	+++++					AVRG		0.21494		8.56995	
53 bromodichloromethane	0.23809	0.28746	0.30887	0.33250	0.32571	0.33845						
	0.35583	+++++					AVRG		0.31242		12.60399	
184 methyl-methylacrylate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
51 4-penten-2-ol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
54 1,4-Dioxane	0.00070	0.00079	0.00114	0.00122	0.00108	0.00110						
	0.00109	+++++					AVRG		0.00102		18.99503	<-

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Compound	5.0000 Level 1 / 2000.0000 Level 10	20.0000 Level 2 / 2.0000 Level 11	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
55 2-Pentanone	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	
56 2-Chloroethylvinyl ether	0.06925 / 0.11477	0.10435 / +++++	0.11212	0.11575	0.11168	0.11380	AVRG		0.10596		15.67752	
57 cis-1,3-dichloropropene	0.25523 / 0.40502	0.29817 / +++++	0.34035	0.36363	0.36458	0.38259	AVRG		0.34422		15.00868	
59 toluene	0.64310 / 0.77935	0.72883 / +++++	0.68794	0.69523	0.69234	0.71819	AVRG		0.70643		5.95968	
60 4-methyl-2-pentanone	+++++ / 0.05938	0.04197 / +++++	0.04814	0.05394	0.05529	0.05815	AVRG		0.05281		12.51643	<-
61 tetrachloroethene	0.28095 / 0.36083	0.32669 / +++++	0.27817	0.31188	0.30674	0.32353	AVRG		0.31269		9.10748	
62 trans-1,3-dichloropropene	0.28525 / 0.39738	0.32891 / +++++	0.36803	0.39064	0.38013	0.38251	AVRG		0.36184		11.19443	

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Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
63 4-methyl-2-pentanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	
64 Methyl Isothiocyanate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	
65 ethyl-methacrylate	0.20384	0.24603	0.28982	0.30936	0.31047	0.31711						
	0.33357	+++++					AVRG		0.28717		16.03860	
66 1,1,2-trichloroethane	0.15487	0.19384	0.19350	0.19364	0.18701	0.18928						
	0.20103	+++++					AVRG		0.18760		8.04089	
67 chlorodibromomethane	0.23241	0.24725	0.28914	0.30190	0.30134	0.30539						
	0.31852	+++++					AVRG		0.28514		11.36451	
68 1,3-dichloropropane	0.31811	0.35877	0.38140	0.38973	0.36523	0.36385						
	0.36888	+++++					AVRG		0.36371		6.27234	
69 Heptane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

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Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2
	2000.0000 Level 10	2.0000 Level 11									
70 1,2-dibromoethane	0.20363	0.22005	0.22512	0.23454	0.22678	0.22355					
	0.22705	+++++					AVRG		0.22296		4.30513
71 2-hexanone	0.10160	0.10653	0.11668	0.11981	0.11504	0.11241					
	0.11000	+++++					AVRG		0.11172		5.58821
73 chlorobenzene	0.78937	0.83071	0.82334	0.85192	0.83695	0.86157					
	0.94077	+++++					AVRG		0.84781		5.54744
74 ethyl benzene	1.25634	1.40620	1.34077	1.42219	1.43337	1.47595					
	1.61048	+++++					AVRG		1.42076		7.75550
75 1,1,1,2-tetrachloroethane	0.23241	0.28165	0.29668	0.31418	0.30671	0.31564					
	0.33462	+++++					AVRG		0.29741		11.11634
76 p/m xylene	0.45279	0.53291	0.52085	0.57397	0.59533	0.65269					
	0.77856	+++++					AVRG		0.58673		17.95172
77 o xylene	0.43893	0.50815	0.50989	0.55807	0.58563	0.63877					
	0.76024	+++++					AVRG		0.57138		18.34330

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Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2
	2000.0000 Level 10	2.0000 Level 11									
78 styrene	0.69175	0.82326	0.90019	0.97527	1.04001	1.13459					
	+++++	+++++					AVRG		0.92751		17.04850
79 bromoform	388	2486	15509	55814	182386	315743					
	657339	+++++					WLINR	0.04203	0.37202		0.99789
80 isopropylbenzene	2.45232	2.72588	2.48500	2.63169	2.64619	2.79503					
	2.88631	+++++					AVRG		2.66035		5.91428
82 bromobenzene	0.62352	0.63525	0.62863	0.64952	0.62907	0.65382					
	0.66077	+++++					AVRG		0.64008		2.26039
83 n-propylbenzene	2.77748	3.05974	2.84639	3.06744	3.07582	3.24564					
	3.36339	+++++					AVRG		3.06227		6.69527
84 1,4-dichloro-2-butane	0.62044	0.65370	0.69219	0.67928	0.65130	0.64303					
	0.60884	+++++					AVRG		0.64983		4.56043
85 1,1,2,2,-tetrachloroethane	0.47324	0.49063	0.52651	0.51568	0.48334	0.47828					
	0.44938	+++++					AVRG		0.48815		5.34266

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Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
86 4-ethyltoluene	2.33061	2.72338	2.62351	2.82126	2.87711	3.06100						
	3.27734	+++++					AVRG		2.81632		10.82691	
87 Butyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
88 2-chlorotoluene	1.71588	1.82909	1.73438	1.80682	1.75524	1.79713						
	1.80708	+++++					AVRG		1.77795		2.40080	
89 1,3,5-trimethybenzene	1.92636	2.05057	2.03676	2.16105	2.18362	2.33789						
	2.53627	+++++					AVRG		2.17608		9.45004	
90 1,2,3-trichloropropane	0.32208	0.39129	0.39693	0.38618	0.39534	0.40373						
	0.40640	+++++					AVRG		0.38599		7.51641	
91 trans-1,4-dichloro-2-butene	+++++	0.10976	0.14847	0.14741	0.13667	0.13637						
	0.12520	+++++					AVRG		0.13398		10.90119	
92 4-chorotoluene	1.64030	1.78153	1.77906	1.84297	1.77966	1.86760						
	1.91182	+++++					AVRG		1.80042		4.84292	

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Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2
	2000.0000 Level 10	2.0000 Level 11									
93 tert-butylbenzene	1.80376	2.07989	1.98782	2.18267	2.23644	2.43538					
	2.66740	+++++					AVRG		2.19905		13.02103
94 1,2,4-trimethylbenzene	1.81870	1.98825	1.95441	2.07734	2.07466	2.17004					
	2.30489	+++++					AVRG		2.05547		7.61438
95 sec-butylbenzene	2.23833	2.51363	2.36245	2.60306	2.59953	2.77487					
	2.93975	+++++					AVRG		2.57594		9.19574
96 p-isopropyltoluene	1.77256	1.99151	1.91978	2.16630	2.23686	2.41474					
	2.63798	+++++					AVRG		2.16282		13.81221
97 1,3-dichlorobenzene	1.15036	1.21252	1.19620	1.25778	1.25063	1.30479					
	1.37633	+++++					AVRG		1.24980		5.95611
99 1,4-dichlorobenzene	1.16047	1.22837	1.20975	1.25818	1.23610	1.30070					
	1.37356	+++++					AVRG		1.25245		5.46967
100 p-Diethylbenzene	1.10335	1.17604	1.15005	1.30419	1.34763	1.45979					
	1.61479	+++++					AVRG		1.30798		14.06249

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Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2
	2000.0000 Level 10	2.0000 Level 11									
101 n-butylbenzene	1.57703	1.66612	1.60260	1.80059	1.81555	1.93695					
	2.05853	+++++					AVRG		1.77962		9.98725
102 1,2-dichlorobenzene	1.06204	1.05921	1.08133	1.12935	1.10281	1.15870					
	1.20500	+++++					AVRG		1.11406		4.83506
103 1,2,4,5-tetramethylbenzene	1.51551	1.62650	1.72636	1.93406	1.92126	2.03788					
	2.16444	+++++					AVRG		1.84657		12.57181
104 1,2-dibromo-3-chloropropane	0.11556	0.15276	0.18075	0.18666	0.18214	0.18885					
	0.19260	+++++					AVRG		0.17133		16.25611
105 1,3,5-trichlorobenzene	0.48642	0.58813	0.58486	0.63335	0.63006	0.66492					
	0.72822	+++++					AVRG		0.61656		12.21258
106 hexachlorobutadiene	228	1764	8675	32654	95942	170130					
	367573	+++++					WLINR	0.03186	0.20456		0.99651
107 1,2,4-trichlorobenzene	0.47456	0.41724	0.47581	0.52135	0.51165	0.53646					
	0.57447	+++++					AVRG		0.50165		10.14174

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Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
108 naphthalene	1.01459	1.05031	1.20944	1.29525	1.29764	1.31769						
	1.29090	+++++					AVRG		1.21083		10.48854	
109 1,2,3-trichlorobenzene	0.36207	0.37099	0.41633	0.44972	0.44337	0.47076						
	0.48795	+++++					AVRG		0.42874		11.21019	
185 n-butanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
186 Camphor	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
187 chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
188 Pentachloroethane	686	3295	20449	70605	225468	396945						
	839053	+++++					WLINR	0.03304	0.47018		0.99713	
$ 36 dibromofluoromethane	0.26485	0.26840	0.27287	0.27226	0.27934	0.27986						
	0.28823	0.26157					AVRG		0.27342		3.20227	

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Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\liq8260C.m
Cal Date : 08-Nov-2015 12:24 pduczmalewski

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2
	2000.0000 Level 10	2.0000 Level 11									
$ 42 1,2-dichloroethane-d4	0.29048	0.29173	0.29419	0.29764	0.29966	0.30142					
	0.30998	0.28677					AVRG		0.29648		2.47246
$ 58 toluene-d8	1.28875	1.28326	1.25433	1.23611	1.18285	1.13730					
	1.11753	1.25917					AVRG		1.21991		5.40385
$ 81 4-bromofluorobenzene	0.88384	0.86474	0.80366	0.80838	0.77998	0.75790					
	0.68970	0.88047					AVRG		0.80858		8.30014

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 07-NOV-2015 19:08
End Cal Date : 07-NOV-2015 22:27
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\liq8260C.m
Cal Date : 08-Nov-2015 12:24 pduczmalewski

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Alpha Analytical Labs

BFB method - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\BFB1107A.D
Lab Smp Id: BFB TUNE Client Smp ID: BFB TUNE
Inj Date : 07-NOV-2015 18:03
Operator : PD Inst ID: Voa108.i
Smp Info : wg838608-1, bfb
Misc Info : wg838608
Comment   :
Method   : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\bfb.m
Meth Date : 09-Sep-2013 13:25 Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 BFB						CAS #: 460-00-4		
4.354	4.602	(0.000)	95	68976			100.00- 100.00	100.00
4.354	4.602	(0.000)	50	15636			15.00- 40.00	22.67
4.354	4.602	(0.000)	75	39000			30.00- 60.00	56.54
4.354	4.602	(0.000)	96	4698			5.00- 9.00	6.81
4.354	4.602	(0.000)	173	790			0.00- 2.00	1.36
4.354	4.602	(0.000)	174	58088			50.00- 100.00	84.21
4.354	4.602	(0.000)	175	4454			5.00- 9.00	7.67
4.354	4.602	(0.000)	176	56528			95.00- 101.00	97.31
4.354	4.602	(0.000)	177	3976			5.00- 9.00	7.03

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\BFB1107A.D

Date : 07-NOV-2015 18:03

Client ID: BFB TUNE

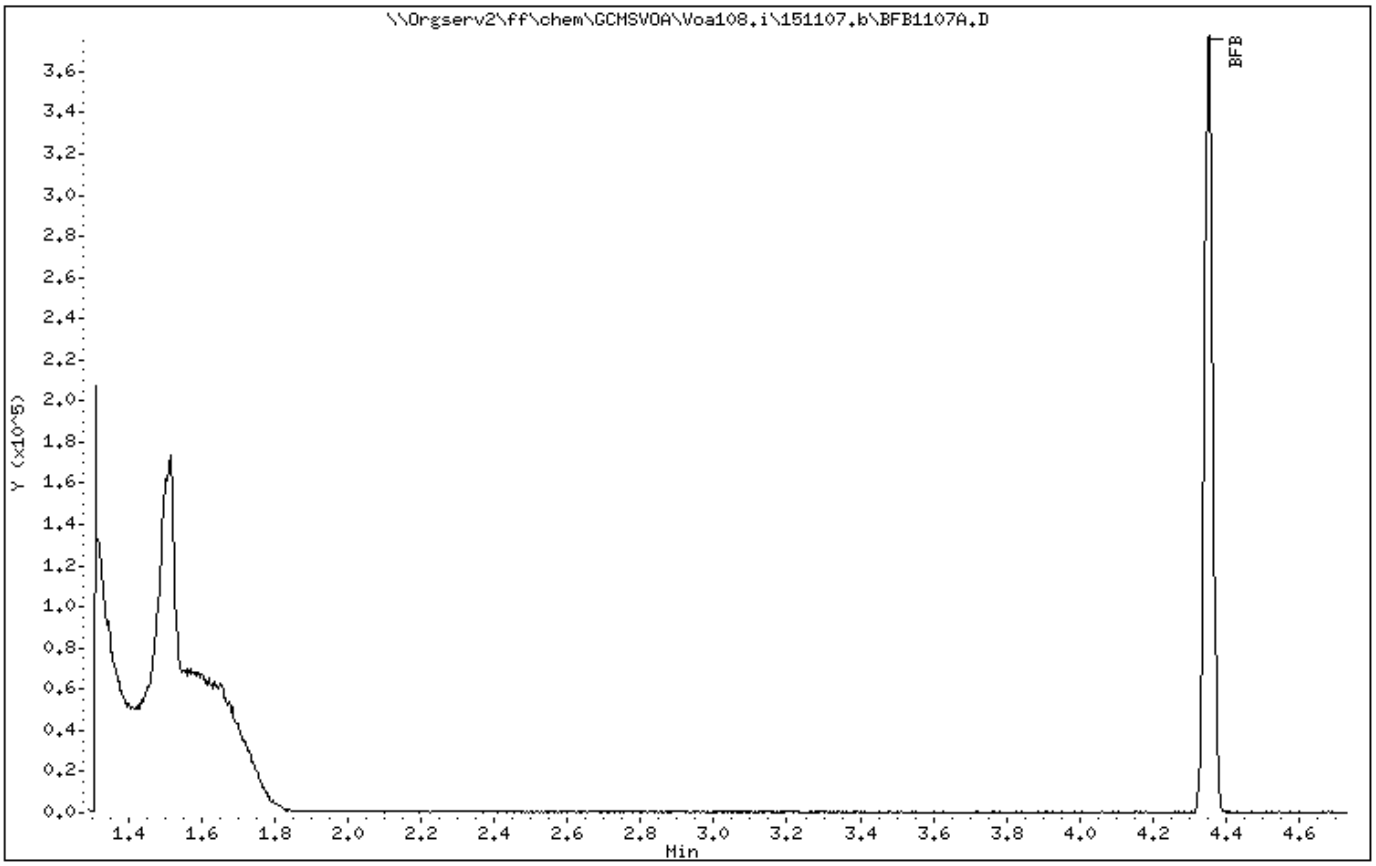
Instrument: Voa108.i

Sample Info: wg838608-1, bfb

Operator: PD

Column phase:

Column diameter: 0.18



Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\BFB1107A.D

Date : 07-NOV-2015 18:03

Client ID: BFB TUNE

Instrument: Voa108.i

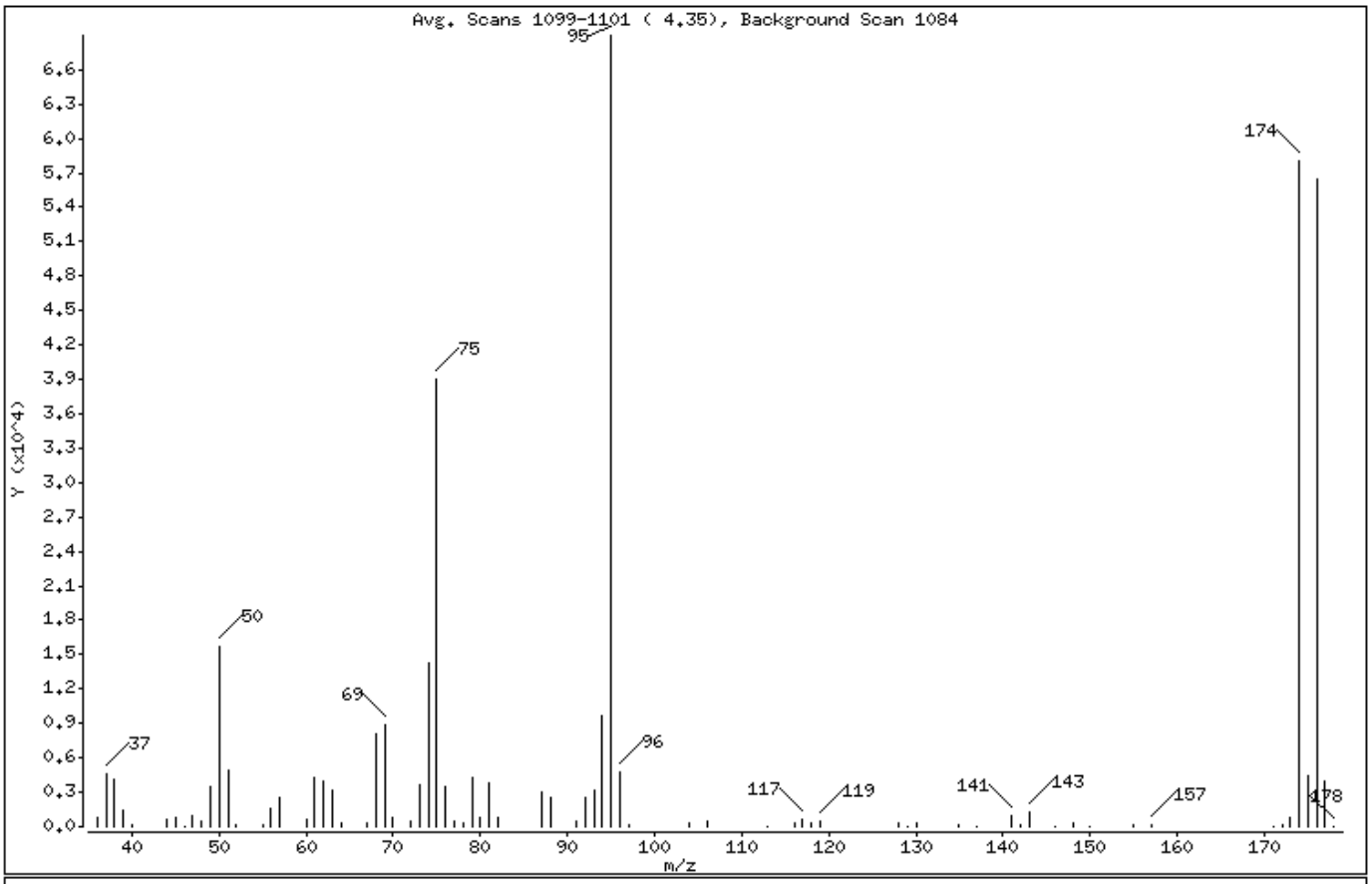
Sample Info: wg838608-1, bfb

Operator: PD

Column phase:

Column diameter: 0.18

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.67
75	30.00 - 60.00% of mass 95	56.54
96	5.00 - 9.00% of mass 95	6.81
173	Less than 2.00% of mass 174	1.15 (1.36)
174	50.00 - 100.00% of mass 95	84.21
175	5.00 - 9.00% of mass 174	6.46 (7.67)
176	95.00 - 101.00% of mass 174	81.95 (97.31)
177	5.00 - 9.00% of mass 176	5.76 (7.03)

Date : 07-NOV-2015 18:03

Client ID: BFB TUNE Instrument: Voa108.i

Sample Info: wg838608-1, bfb

Operator: PD

Column phase: Column diameter: 0.18

Data File: BFB1107A.D
Spectrum: Avg. Scans 1099-1101 (4.35), Background Scan 1084
Location of Maximum: 95.00
Number of points: 74

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	747	62.00	3981	88.00	2498	137.00	71
37.00	4555	63.00	3223	91.00	403	141.00	986
38.00	4066	64.00	248	92.00	2527	142.00	118
39.00	1506	67.00	286	93.00	3234	143.00	1198
40.00	96	68.00	8062	94.00	9605	146.00	70
44.00	643	69.00	8845	95.00	68976	148.00	269
45.00	794	70.00	716	96.00	4698	150.00	58
46.00	53	72.00	429	97.00	182	155.00	128
47.00	997	73.00	3606	104.00	340	157.00	138
48.00	409	74.00	14325	106.00	430	171.00	62
49.00	3534	75.00	39000	113.00	50	172.00	150
50.00	15636	76.00	3523	116.00	309	173.00	790
51.00	4838	77.00	458	117.00	704	174.00	58088
52.00	205	78.00	357	118.00	329	175.00	4454
55.00	226	79.00	4228	119.00	436	176.00	56528
56.00	1660	80.00	833	128.00	330	177.00	3976
57.00	2544	81.00	3838	129.00	68	178.00	62
60.00	680	82.00	751	130.00	321		
61.00	4291	87.00	2988	135.00	114		

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A03.D
Lab Smp Id:
Inj Date : 07-NOV-2015 19:08
Operator : PD Inst ID: Voa108.i
Smp Info : wg838608-2, ical l11
Misc Info : wg838608,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\liq8260C.m
Meth Date : 08-Nov-2015 13:43 Voa108.i Quant Type: ISTD
Cal Date : 07-NOV-2015 22:27 Cal File: 1107A10.D
Als bottle: 3 Calibration Sample, Level: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: vcl.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	3 vinyl chloride	62	1.931	1.931	(0.319)	579	2.00000	1.757	
$	36 dibromofluoromethane	113	5.255	5.255	(0.867)	33870	100.000	95.663	
$	42 1,2-dichloroethane-d4	65	5.782	5.782	(0.954)	37134	100.000	96.725	
*	46 flourobenzene	96	6.058	6.058	(1.000)	129489	100.000		
$	58 toluene-d8	98	7.748	7.748	(0.808)	125517	100.000	103.218	
*	72 chlorobenzene-d5	117	9.588	9.588	(1.000)	99682	100.000		
$	81 4-bromofluorobenzene	95	11.072	11.072	(0.902)	42222	100.000	108.890	
*	98 1,4-dichlorobenzene-d4	152	12.271	12.271	(1.000)	47954	100.000		

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Calibration Date: 08-NOV-2015
Lab File ID: 1107A03.D
Calibration Time: 01:46
Lab Smp Id:
Analysis Type: VOA
Level: LOW
Quant Type: ISTD
Sample Type: WATER
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\liq8260C.m
Misc Info: wg838608,ical

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

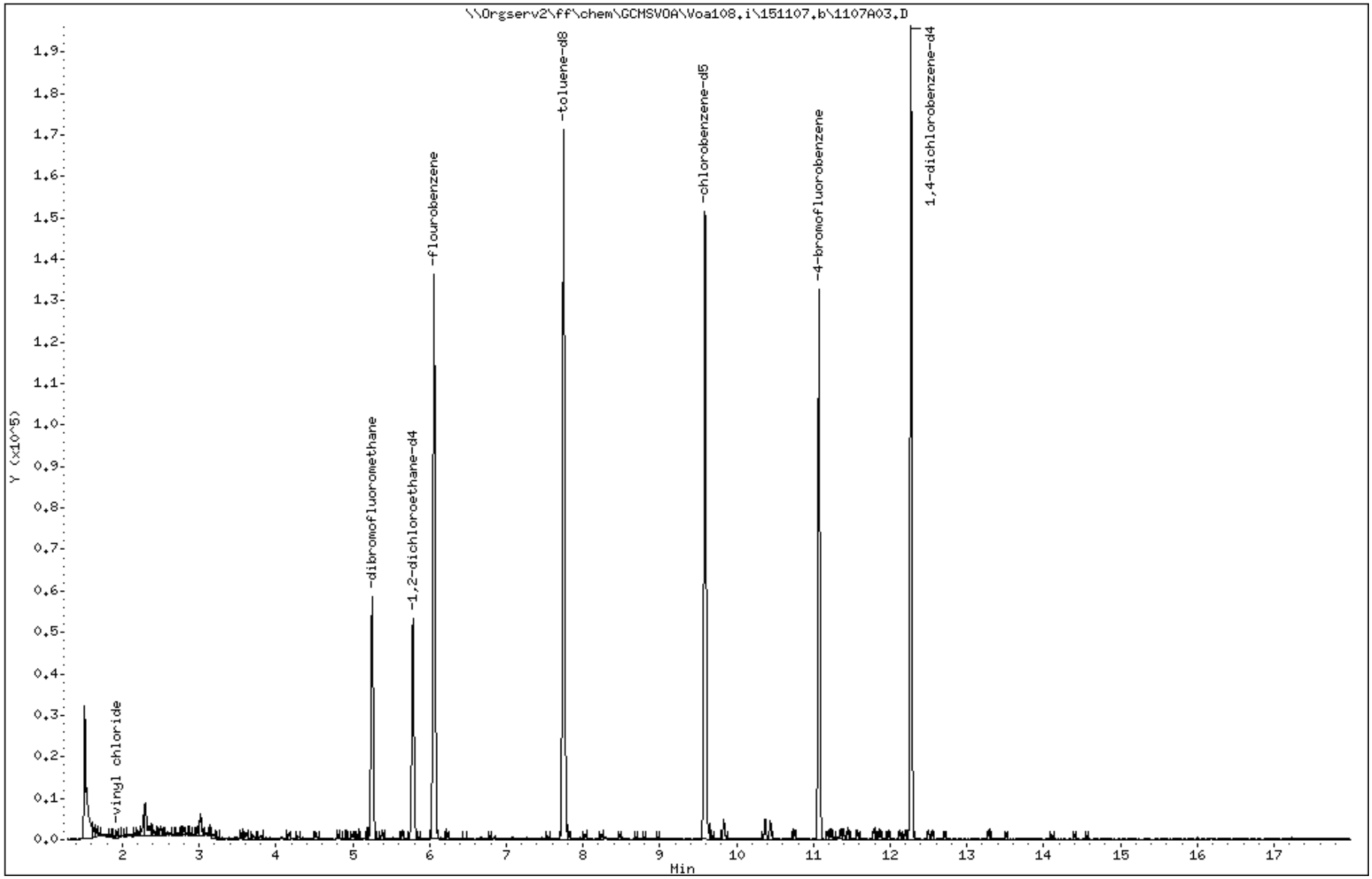
		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
46 flourobenzene	119738	59869	239476	129489	8.14
72 chlorobenzene-d5	96275	48138	192550	99682	3.54
98 1,4-dichlorobenze	50723	25362	101446	47954	-5.46

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
46 flourobenzene	6.06	5.56	6.56	6.06	-0.04
72 chlorobenzene-d5	9.59	9.09	10.09	9.59	0.03
98 1,4-dichlorobenze	12.27	11.77	12.77	12.27	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A03.D
Date : 07-NOV-2015 19:08
Client ID:
Sample Info: wg838608-2, ical l11
Purge Volume: 10.0
Column phase:

Instrument: Voa108.i
Operator: PD
Column diameter: 0.18



Alpha Analytical Labs

Manual Integration

Sample Info	: wg838608-2, ical l11 wg838608,ical		
Instrument ID	: Voa108.i		
Method	: liq8260C.m		
File	: 1107A03.D		
Injection Date	: 07-NOV-2015 19:08		
Quantitation	: ISTD	Integrator : HP RTE	
Dilution Factor	: 1.00	Sample Type: CALIB_11	

There are no manual integrations in this file.

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A04.D
Lab Smp Id:
Inj Date : 07-NOV-2015 19:36
Operator : PD Inst ID: Voa108.i
Smp Info : wg838608-3, ical l1
Misc Info : wg838608,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\liq8260C.m
Meth Date : 08-Nov-2015 13:43 Voa108.i Quant Type: ISTD
Cal Date : 07-NOV-2015 19:08 Cal File: 1107A03.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve+acro.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	1.660	1.660	(0.274)	1019	5.00000	4.338	
2	chloromethane	50	1.847	1.847	(0.305)	1050	5.00000	4.377	
3	vinyl chloride	62	1.930	1.930	(0.319)	1504	5.00000	4.872	
4	bromomethane	94	2.246	2.246	(0.371)	1255	5.00000	28.464(QM)	M1
5	chloroethane	64	2.357	2.357	(0.389)	1551	5.00000	4.793(M)	M1
6	trichlorofluoromethane	101	2.499	2.499	(0.413)	3137	5.00000	4.200(Q)	
7	ethyl ether	74	2.800	2.800	(0.462)	1128	5.00000	4.707(QM)	M1
9	1,1,-dichloroethene	96	2.987	2.987	(0.493)	1888	5.00000	4.527(M)	M1
10	carbon disulfide	76	3.021	3.021	(0.499)	7186	5.00000	5.803	
11	freon-113	101	3.032	3.032	(0.501)	1816	5.00000	4.284(M)	M1
12	iodomethane	142	3.143	3.143	(0.519)	781	5.00000	20.973(QM)	M2
15	methylene chloride	84	3.553	3.553	(0.587)	1190	5.00000	4.587(QM)	M1
16	acetone	43	3.612	3.612	(0.596)	1869	5.00000	4.837(M)	M2
17	trans-1,2-dichloroethene	96	3.696	3.696	(0.610)	1158	5.00000	4.505(QM)	M1
18	Methyl Acetate	43	3.726	3.726	(0.615)	477	5.00000	4.410(QM)	M2
13	acrolein	56	3.322	3.322	(0.548)	27	5.00000	6.602(QM)	M2
19	methyl tert butyl ether	73	3.807	3.807	(0.629)	2523	5.00000	4.300(M)	M1
20	Tert-Butyl Alcohol	59	3.916	3.916	(0.646)	330	25.0000	28.201	
21	Diisopropyl Ether	45	4.170	4.170	(0.688)	3428	5.00000	4.413(QM)	M1
22	1,1-dichloroethane	63	4.292	4.292	(0.709)	2019	5.00000	4.371(QM)	M1
23	halothane	117	4.351	4.351	(0.718)	766	5.00000	3.744(M)	M1
24	acrylonitrile	53	4.354	4.354	(0.719)	146	5.00000	2.440(QM)	M2
25	Ethyl-Tert-Butyl-Ether	59	4.513	4.513	(0.745)	2997	5.00000	4.278(M)	M1
26	vinyl acetate	43	4.529	4.529	(0.748)	2228	5.00000	4.061(M)	M2
27	cis-1,2-dichloroethene	96	4.808	4.808	(0.794)	1345	5.00000	4.423(QM)	M1
28	2,2-dichloropropane	77	4.917	4.917	(0.812)	1441	5.00000	3.846(M)	M2
30	Cyclohexane	56	4.998	4.998	(0.825)	1648	5.00000	4.314(QM)	M1
29	bromochloromethane	128	5.001	5.001	(0.826)	596	5.00000	4.144(QM)	M1

			QUANT SIG					AMOUNTS		
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	31	chloroform	83	5.076	5.076	(0.838)	2336	5.00000	4.682(QM)	M1
	32	Ethyl Acetate	43	5.190	5.190	(0.857)	868	5.00000	4.886(M)	M2
	33	carbontetrachloride	117	5.190	5.190	(0.857)	1499	5.00000	3.784(QM)	M1
	35	tetrahydrofuran	42	5.224	5.224	(0.862)	61	5.00000	1.050(QM)	M2
$	36	dibromofluoromethane	113	5.254	5.254	(0.867)	32127	100.000	96.865	
	37	1,1,1-trichloroethane	97	5.274	5.274	(0.871)	1653	5.00000	3.850(QM)	M1
	38	2-butanone	43	5.383	5.383	(0.889)	1235	5.00000	4.826(M)	M2
	39	1,1-dichloropropene	75	5.386	5.386	(0.889)	1492	5.00000	4.283(QM)	M1
	40	benzene	78	5.642	5.642	(0.931)	4843	5.00000	4.514(M)	M1
	41	Tertiary-Amyl Methyl Ether	73	5.748	5.748	(0.949)	2685	5.00000	4.324(M)	M1
$	42	1,2-dichloroethane-d4	65	5.782	5.782	(0.954)	35235	100.000	97.973	
	43	1,2-dichloroethane	62	5.860	5.860	(0.967)	1505	5.00000	4.464(M)	M2
*	46	flourobenzene	96	6.058	6.058	(1.000)	121301	100.000		
	47	methyl cyclohexane	83	6.217	6.217	(1.026)	1574	5.00000	3.761(QM)	M1
	48	trichloroethene	95	6.228	6.228	(1.028)	1208	5.00000	4.003(QM)	M1
	50	dibromomethane	93	6.674	6.674	(1.102)	509	5.00000	3.184(QM)	M1
	52	1,2-dichloropropane	63	6.788	6.788	(1.121)	1084	5.00000	4.157(M)	M2
	53	bromodichloromethane	83	6.850	6.850	(1.131)	1444	5.00000	3.810(QM)	M2
	54	1,4-Dioxane	88	7.067	7.067	(1.167)	854	1000.00	692.175	
	56	2-Chloroethylvinyl ether	63	7.477	7.477	(1.234)	420	5.00000	3.267(QM)	M1
	57	cis-1,3-dichloropropene	75	7.544	7.544	(1.245)	1548	5.00000	3.707(QM)	M2
$	58	toluene-d8	98	7.745	7.745	(0.808)	119998	100.000	105.642	
	59	toluene	92	7.803	7.803	(0.814)	2994	5.00000	4.551(QM)	M1
	61	tetrachloroethene	166	8.244	8.244	(0.860)	1308	5.00000	4.492(QM)	M1
	60	4-methyl-2-pentanone	58	8.261	8.261	(1.364)	68	5.00000	1.061(QM)	M2
	62	trans-1,3-dichloropropene	75	8.294	8.294	(0.865)	1328	5.00000	3.941(M)	M1
	65	ethyl-methacrylate	69	8.484	8.484	(0.885)	949	5.00000	3.549(QM)	M1
	66	1,1,2-trichloroethane	83	8.478	8.478	(0.884)	721	5.00000	4.127(QM)	M1
	67	chlorodibromomethane	129	8.687	8.687	(0.906)	1082	5.00000	4.075(QM)	M2
	68	1,3-dichloropropane	76	8.796	8.796	(0.917)	1481	5.00000	4.373(QM)	M2
	70	1,2-dibromoethane	107	8.972	8.972	(0.936)	948	5.00000	4.566(QM)	M2
	71	2-hexanone	43	9.256	9.256	(0.965)	473	5.00000	4.546(QM)	M2
*	72	chlorobenzene-d5	117	9.588	9.588	(1.000)	93112	100.000		
	73	chlorobenzene	112	9.608	9.608	(1.002)	3675	5.00000	4.655(QM)	M1
	74	ethyl benzene	91	9.652	9.652	(1.007)	5849	5.00000	4.421(M)	M1
	75	1,1,1,2-tetrachloroethane	131	9.683	9.683	(1.010)	1082	5.00000	3.907(QM)	M1
	76	p/m xylene	106	9.833	9.833	(1.026)	4216	10.0000	7.717(M)	M1
	77	o xylene	106	10.369	10.369	(1.081)	4087	10.0000	7.681(M)	M1
	78	styrene	104	10.441	10.441	(1.089)	6441	10.0000	7.458	
	79	bromoform	173	10.472	10.472	(0.853)	388	5.00000	6.494(QM)	M2
	80	isopropylbenzene	105	10.748	10.748	(0.876)	5581	5.00000	4.609	
$	81	4-bromofluorobenzene	95	11.074	11.074	(0.903)	40229	100.000	109.307	
	82	bromobenzene	156	11.183	11.183	(0.911)	1419	5.00000	4.870(QM)	M1
	83	n-propylbenzene	91	11.222	11.222	(0.915)	6321	5.00000	4.535	
	84	1,4-dichloro-2-butane	55	11.247	11.247	(0.917)	1412	5.00000	4.773(M)	M1
	85	1,1,2,2,-tetrachloroethane	83	11.317	11.317	(0.922)	1077	5.00000	4.847(QM)	M2
	86	4-ethyltoluene	105	11.356	11.356	(0.925)	5304	5.00000	4.137	
	88	2-chlorotoluene	91	11.387	11.387	(0.928)	3905	5.00000	4.825	
	89	1,3,5-trimethybenzene	105	11.445	11.445	(0.933)	4384	5.00000	4.426	
	90	1,2,3-trichloropropane	75	11.454	11.454	(0.933)	733	5.00000	4.172(QM)	M2
	91	trans-1,4-dichloro-2-butene	53	11.507	11.507	(0.938)	136	5.00000	2.230(QM)	M2
	92	4-chorotoluene	91	11.579	11.579	(0.944)	3733	5.00000	4.555(M)	M1
	93	tert-butylbenzene	119	11.783	11.783	(0.960)	4105	5.00000	4.101(Q)	
	94	1,2,4-trimethylbenzene	105	11.861	11.861	(0.967)	4139	5.00000	4.424(QM)	M1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	95 sec-butylbenzene	105	11.975	11.975	(0.976)	5094	5.00000	4.344	
	96 p-isopropyltoluene	119	12.128	12.128	(0.988)	4034	5.00000	4.097	
	97 1,3-dichlorobenzene	146	12.198	12.198	(0.994)	2618	5.00000	4.602(QM)	M1
*	98 1,4-dichlorobenzene-d4	152	12.271	12.271	(1.000)	45516	100.000		
	99 1,4-dichlorobenzene	146	12.287	12.287	(1.001)	2641	5.00000	4.632(Q)	
	100 p-Diethylbenzene	119	12.499	12.499	(1.019)	2511	5.00000	4.217	
	101 n-butylbenzene	91	12.552	12.552	(1.023)	3589	5.00000	4.430(QM)	M1
	102 1,2-dichlorobenzene	146	12.706	12.706	(1.035)	2417	5.00000	4.766	
	103 1,2,4,5-tetramethylbenzene	119	13.286	13.286	(1.083)	3449	5.00000	4.103	
	104 1,2-dibromo-3-chloropropane	75	13.517	13.517	(1.102)	263	5.00000	3.372(QM)	M2
	105 1,3,5-trichlorobenzene	180	13.503	13.503	(1.100)	1107	5.00000	3.944(Q)	
	106 hexachlorobutadiene	225	14.075	14.075	(1.147)	228	5.00000	5.634(QM)	M2
	107 1,2,4-trichlorobenzene	180	14.106	14.106	(1.150)	1080	5.00000	4.729	
	108 naphthalene	128	14.407	14.407	(1.174)	2309	5.00000	4.189	
	109 1,2,3-trichlorobenzene	180	14.571	14.571	(1.187)	824	5.00000	4.222(QM)	M1
	188 Pentachloroethane	167	11.811	11.811	(0.963)	686	5.00000	6.509(QM)	M1

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Calibration Date: 08-NOV-2015
Lab File ID: 1107A04.D
Calibration Time: 01:46
Lab Smp Id:
Analysis Type: VOA
Level: LOW
Quant Type: ISTD
Sample Type: WATER
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\liq8260C.m
Misc Info: wg838608,ical

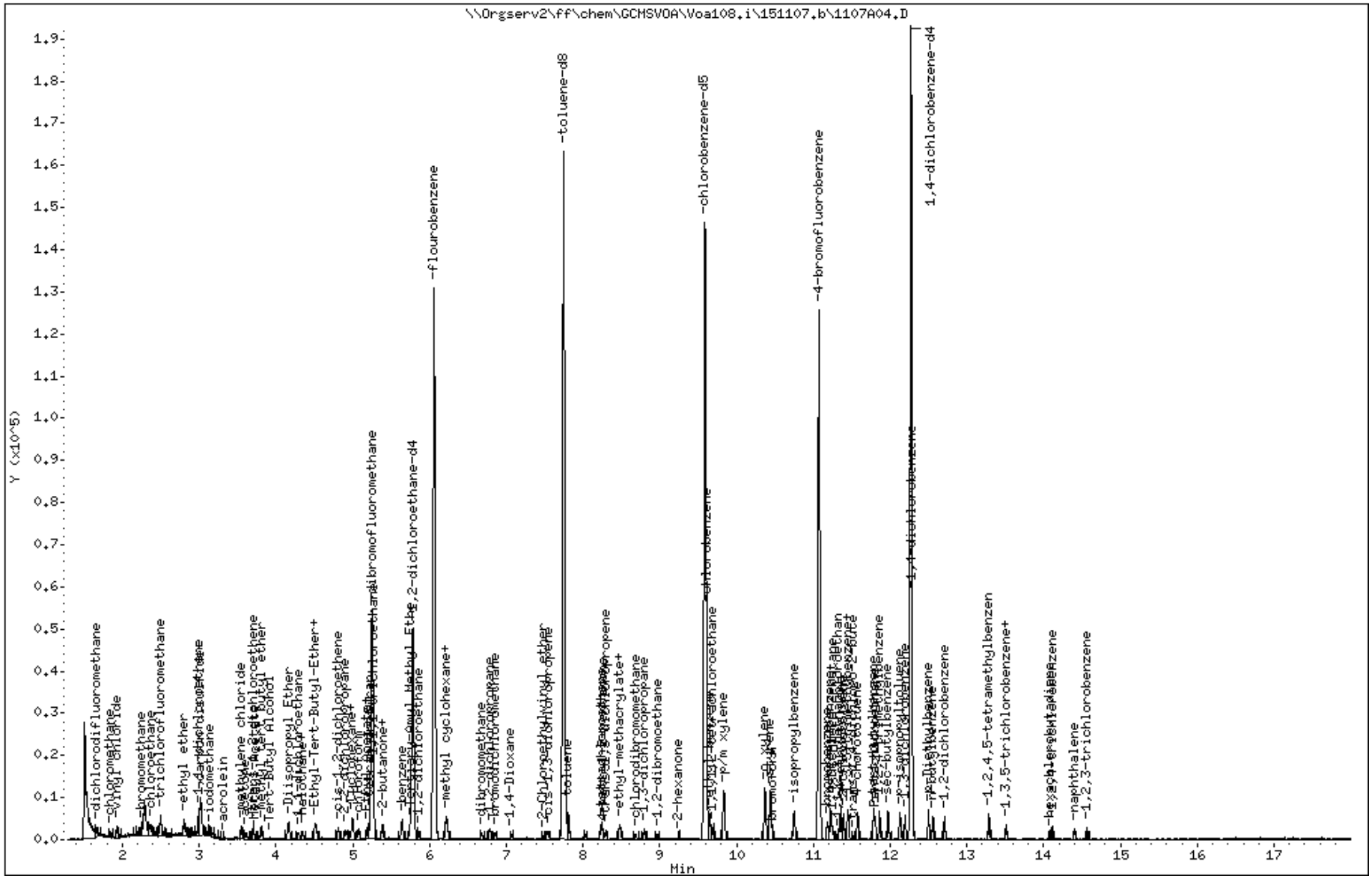
Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
46 flourobenzene	119738	59869	239476	121301	1.31
72 chlorobenzene-d5	96275	48138	192550	93112	-3.29
98 1,4-dichlorobenze	50723	25362	101446	45516	-10.27

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
46 flourobenzene	6.06	5.56	6.56	6.06	-0.05
72 chlorobenzene-d5	9.59	9.09	10.09	9.59	0.03
98 1,4-dichlorobenze	12.27	11.77	12.77	12.27	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A04.D
Date : 07-NOV-2015 19:36
Client ID:
Instrument: Voa108.i
Sample Info: wg838608-3, ical l1
Purge Volume: 10.0
Operator: PD
Column phase:
Column diameter: 0.18



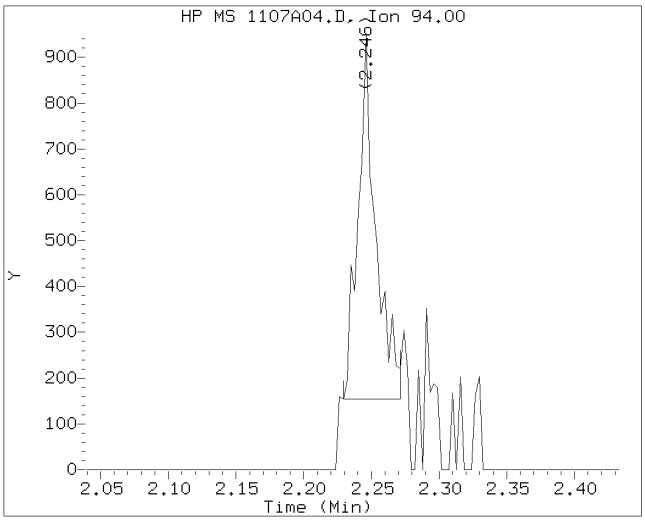
Alpha Analytical Labs

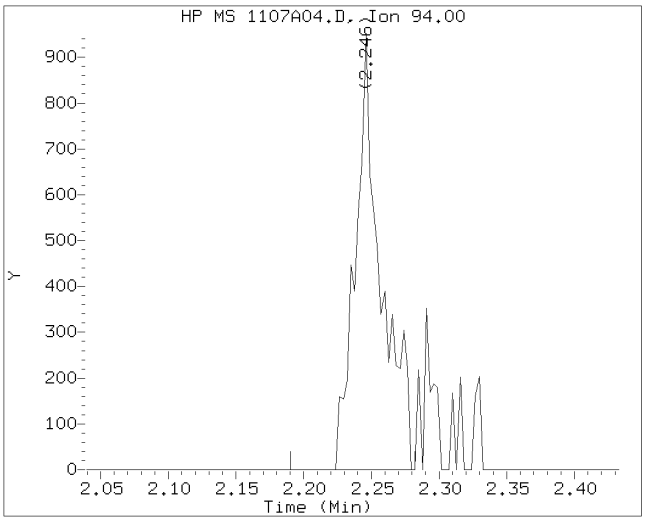
Manual Integration

Sample Info : wg838608-3, ical l1
wg838608,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 4: bromomethane

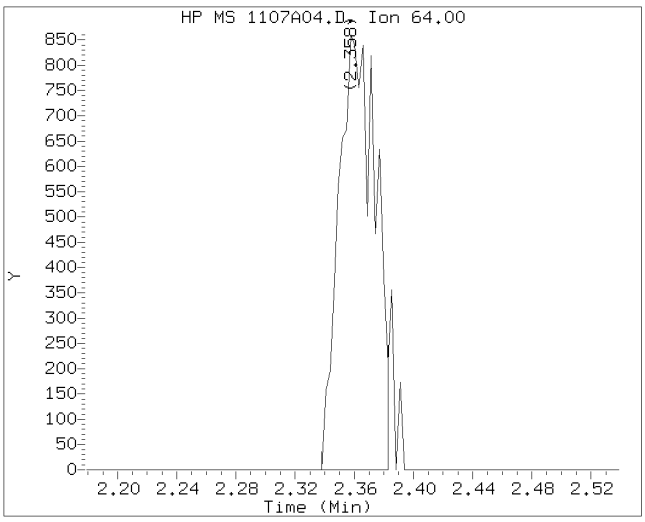


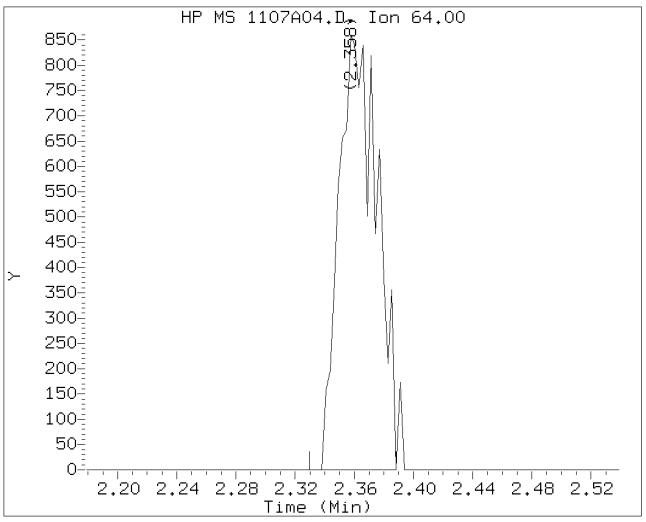


Original Peak Response = 729 Manual Peak Response = 1255 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 5: chloroethane





Original Peak Response = 1492 Manual Peak Response = 1551 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

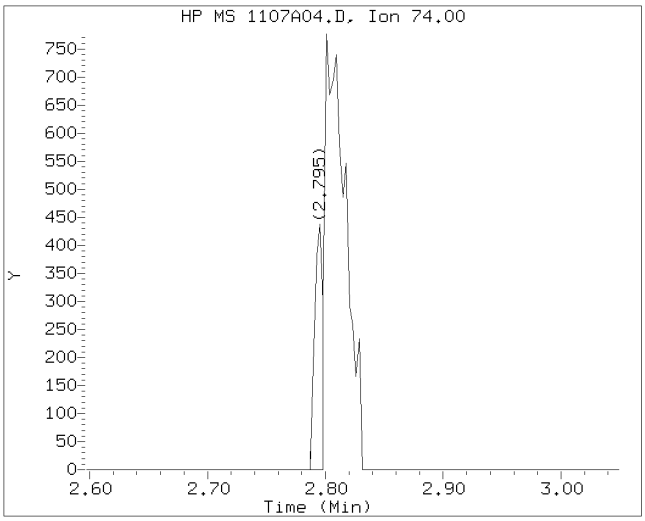
Alpha Analytical Labs

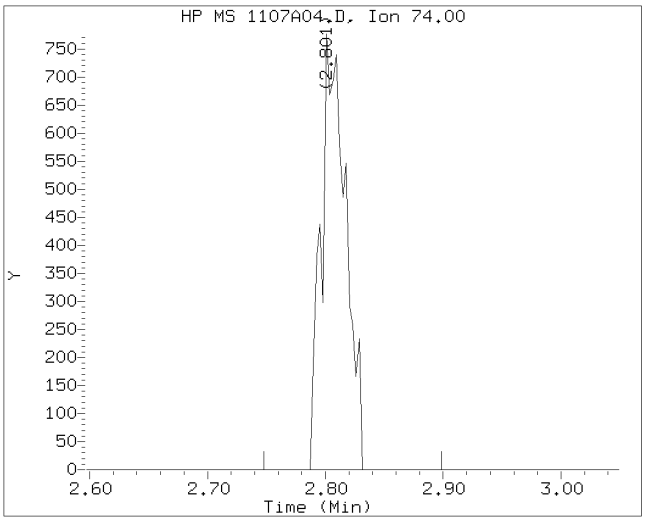
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 7: ethyl ether

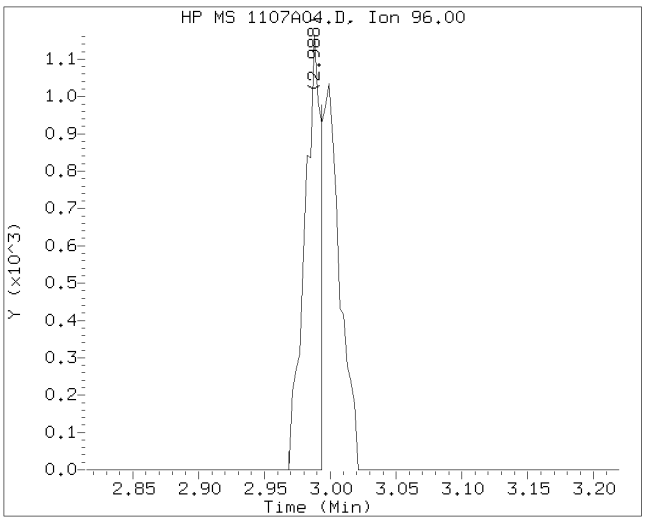


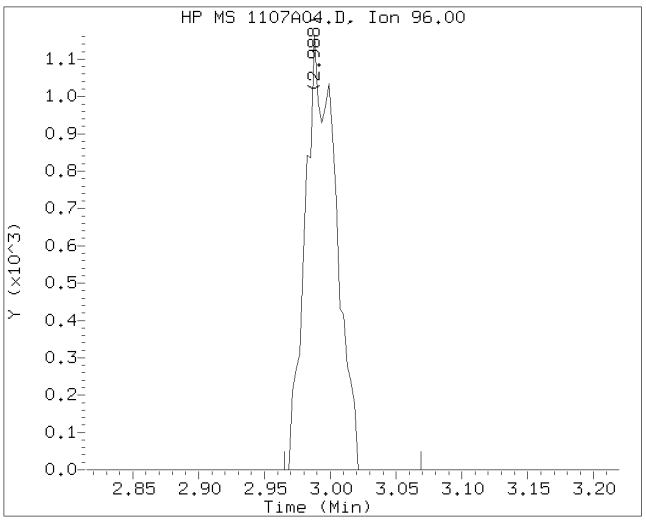


Original Peak Response = 218 Manual Peak Response = 1128 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 9: 1,1,-dichloroethene





Original Peak Response = 1025 Manual Peak Response = 1888 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

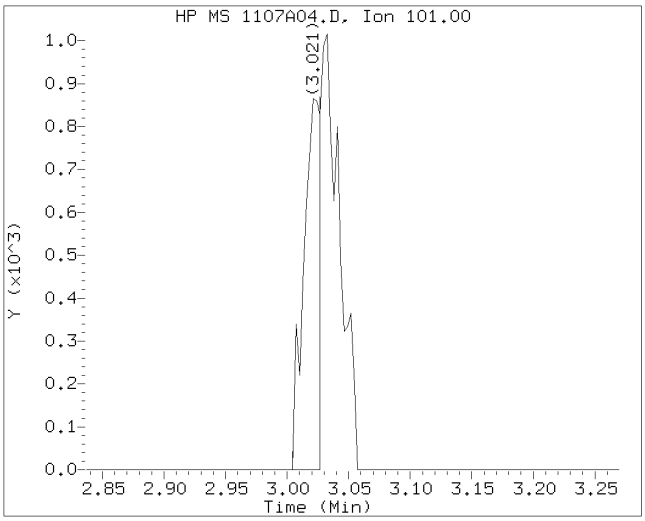
Alpha Analytical Labs

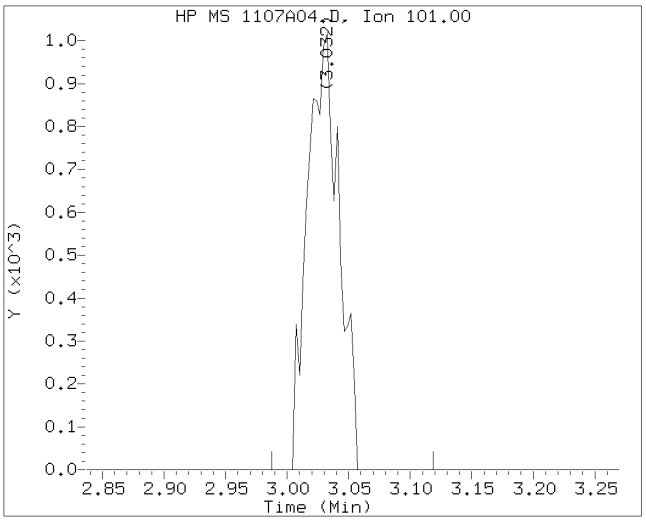
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 11: freon-113

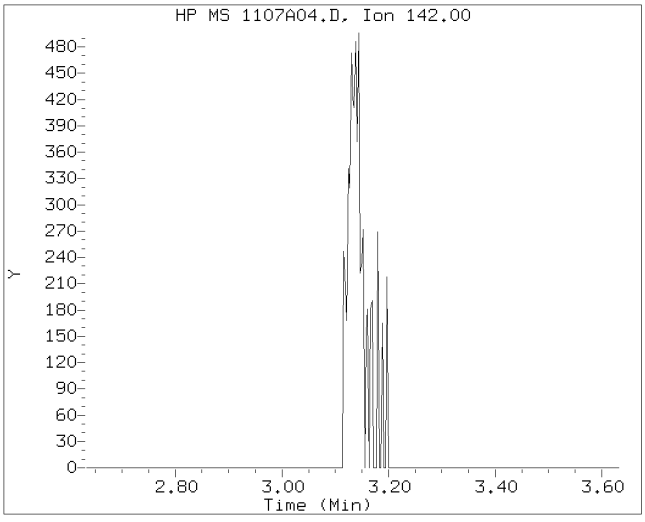


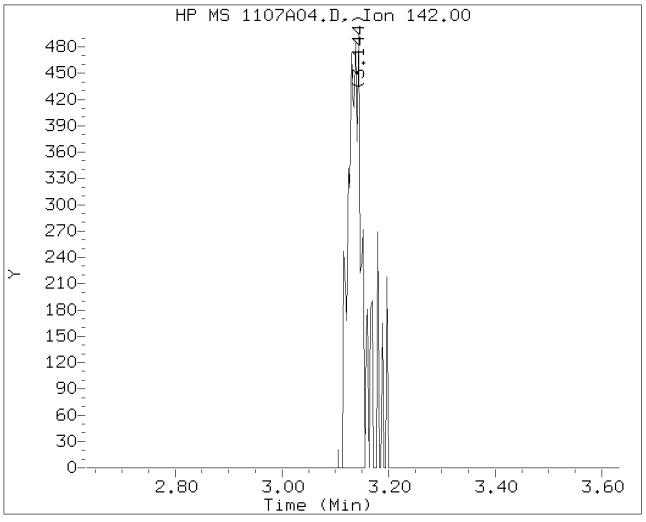


Original Peak Response = 823 Manual Peak Response = 1816 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 12: iodomethane





Original Peak Response = 0 Manual Peak Response = 781 M2

M2 = Peak not found by automatic integration algorithm.

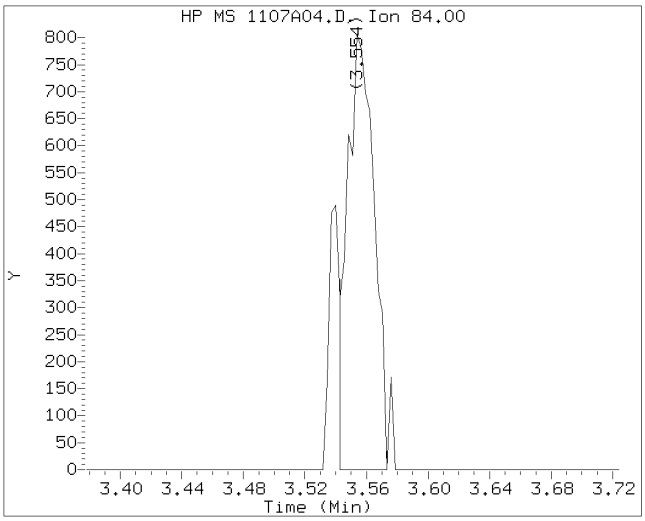
Alpha Analytical Labs

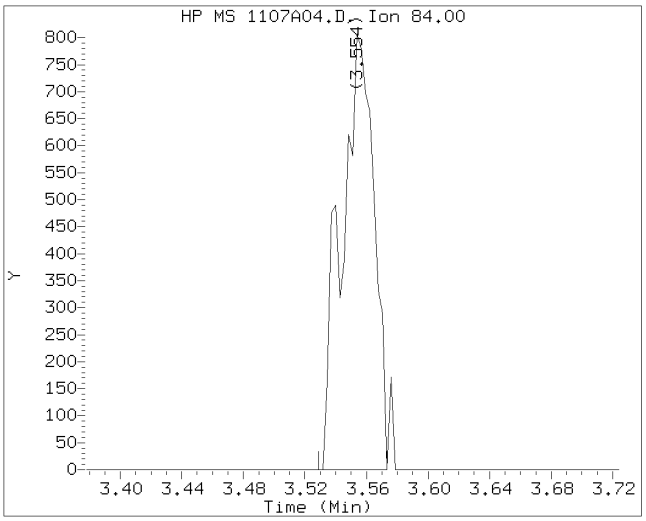
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 15: methylene chloride

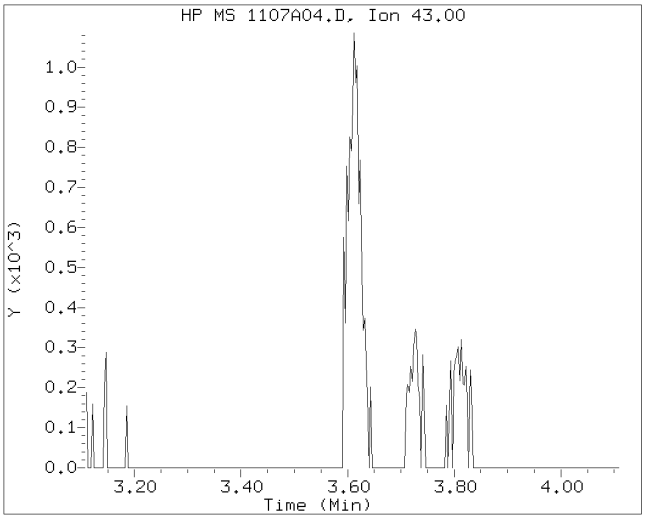


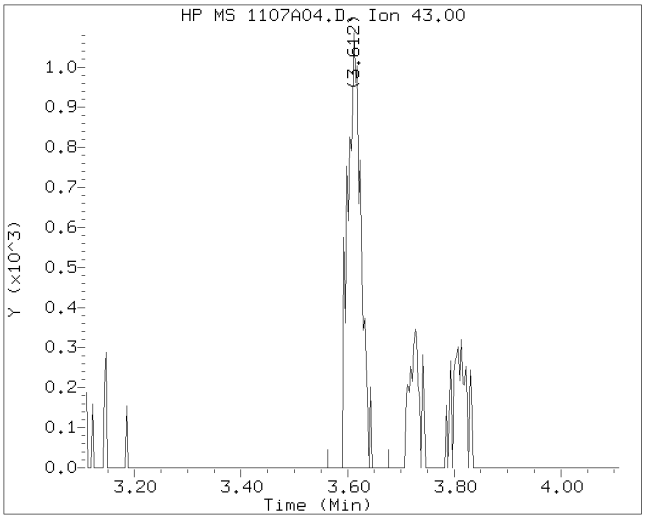


Original Peak Response = 1000 Manual Peak Response = 1190 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 16: acetone





Original Peak Response = 0 Manual Peak Response = 1869 M2

M2 = Peak not found by automatic integration algorithm.

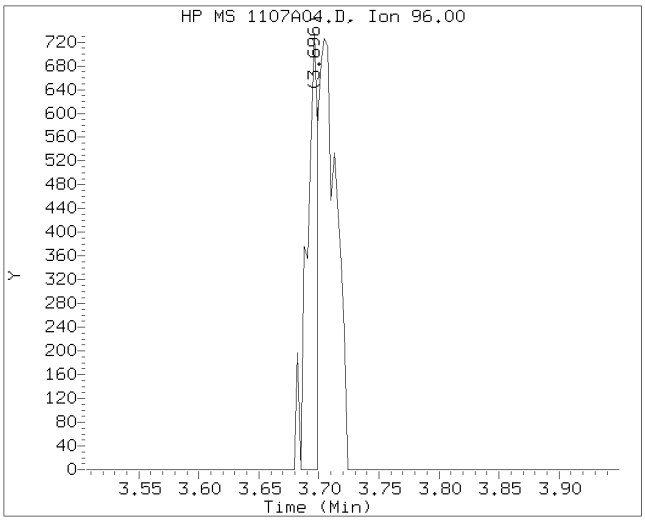
Alpha Analytical Labs

Manual Integration

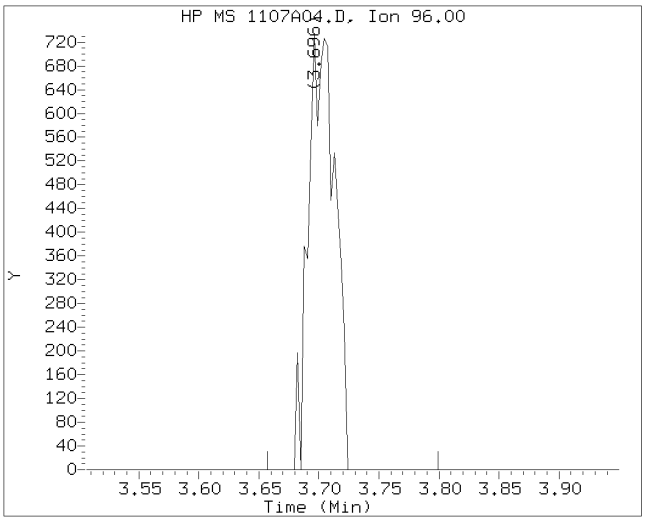
Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 17: trans-1,2-dichloroethene



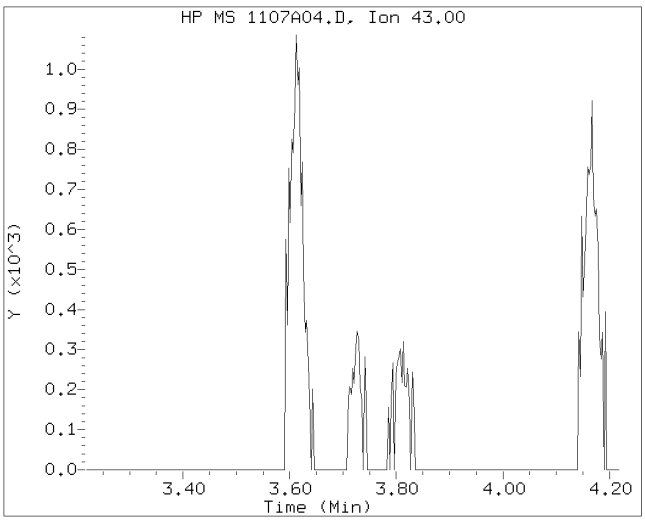
Original Peak Response = 432



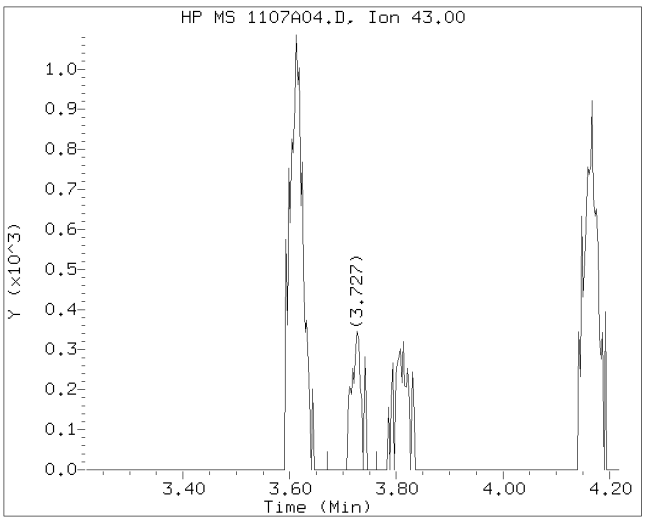
Manual Peak Response = 1158 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 18: Methyl Acetate



Original Peak Response = 0



Manual Peak Response = 477 M2

M2 = Peak not found by automatic integration algorithm.

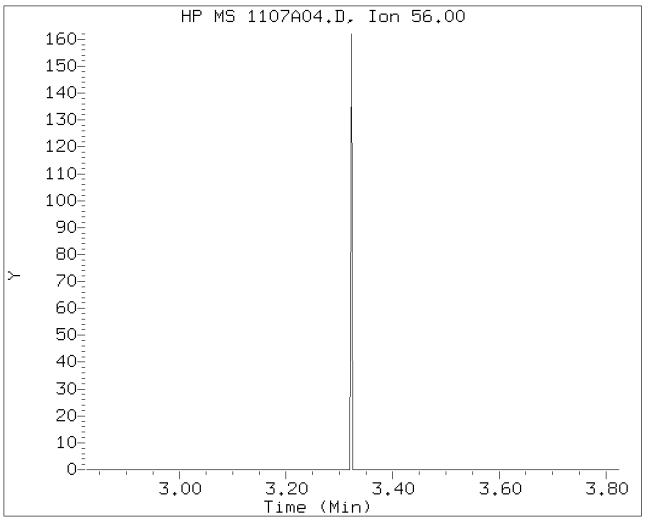
Alpha Analytical Labs

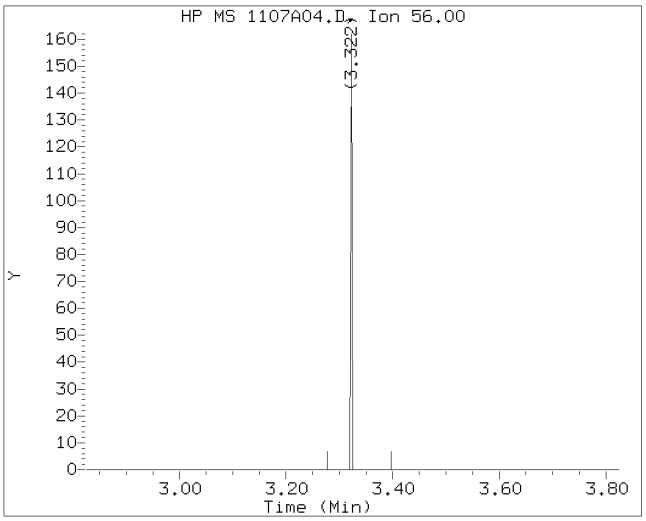
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 13: acrolein

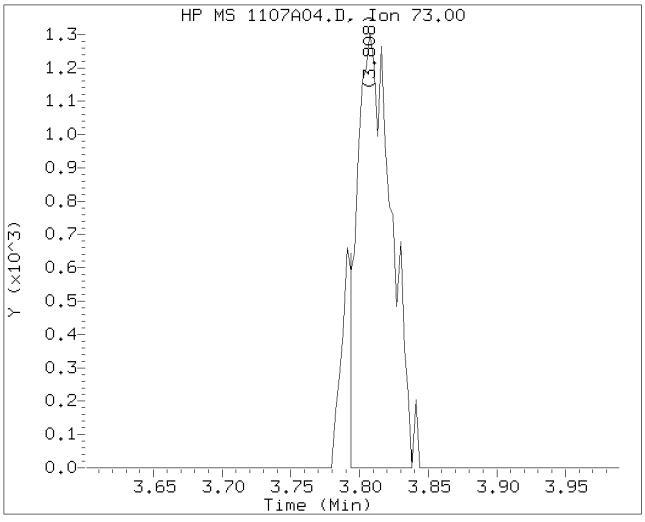


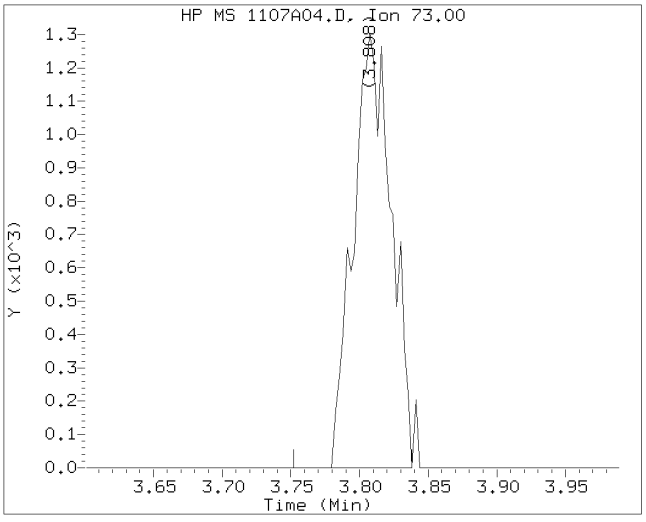


Original Peak Response = 0 Manual Peak Response = 27 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 19: methyl tert butyl ether





Original Peak Response = 2270 Manual Peak Response = 2523 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

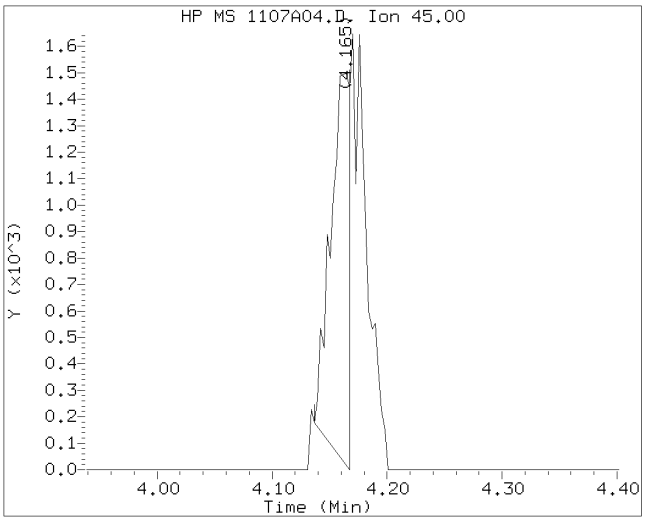
Alpha Analytical Labs

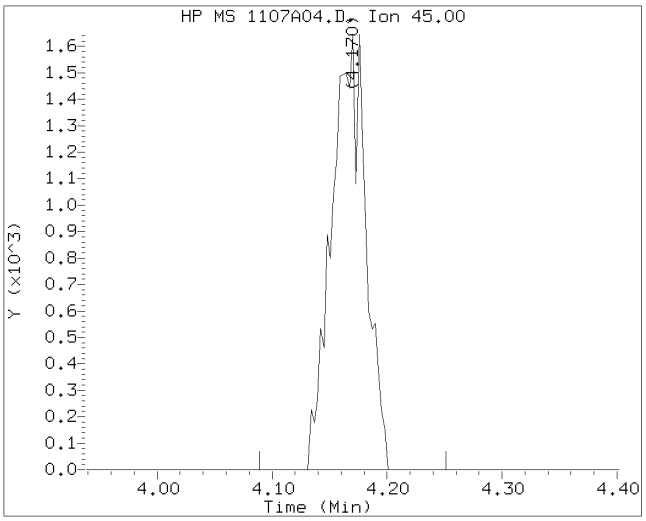
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 21: Diisopropyl Ether

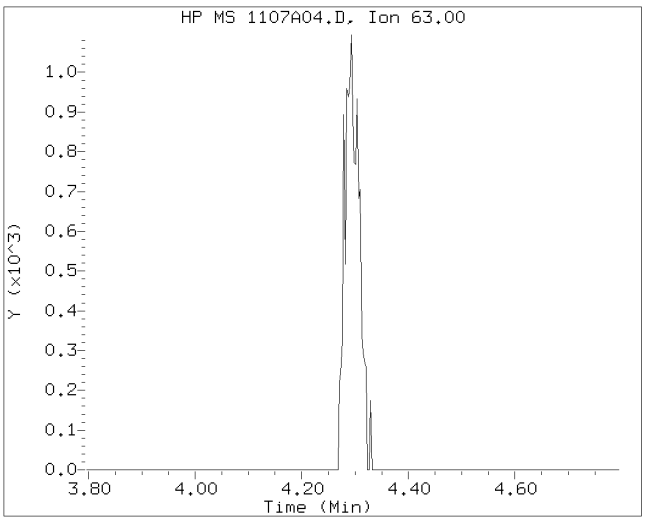


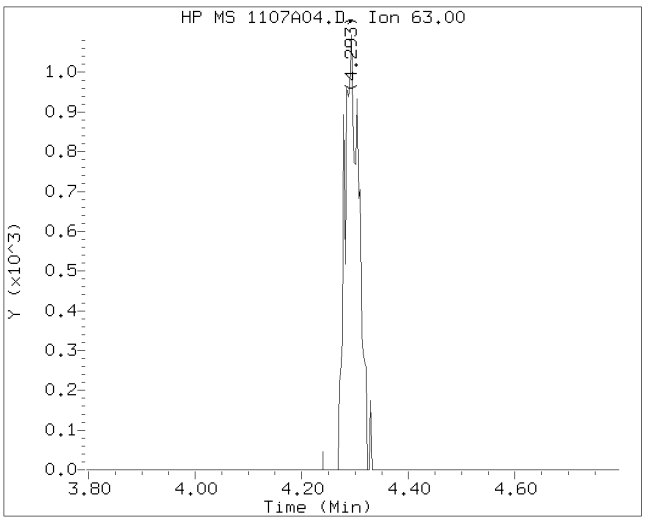


Original Peak Response = 1707 Manual Peak Response = 3428 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 22: 1,1-dichloroethane





Original Peak Response = 0 Manual Peak Response = 2019 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

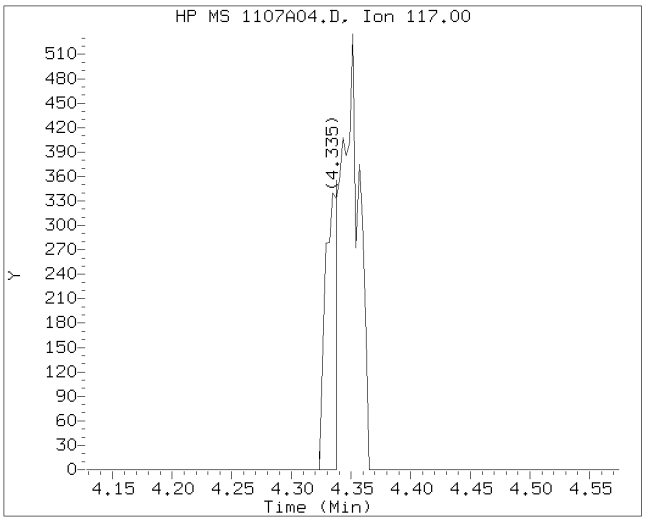
Alpha Analytical Labs

Manual Integration

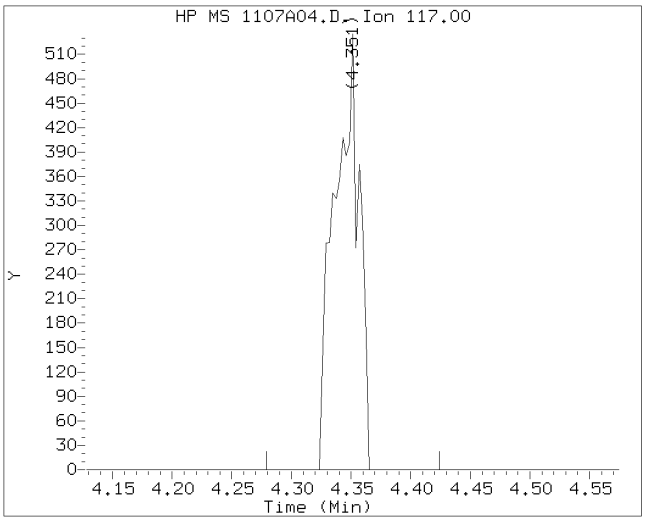
Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 23: halothane



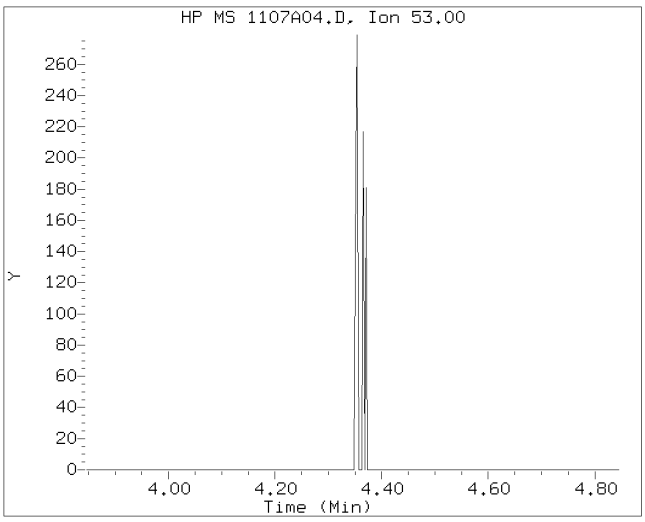
Original Peak Response = 231



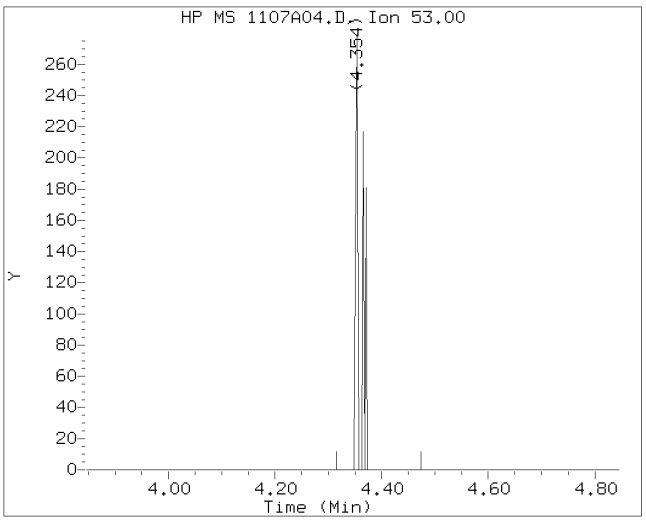
Manual Peak Response = 766 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 24: acrylonitrile



Original Peak Response = 0



Manual Peak Response = 146 M2

M2 = Peak not found by automatic integration algorithm.

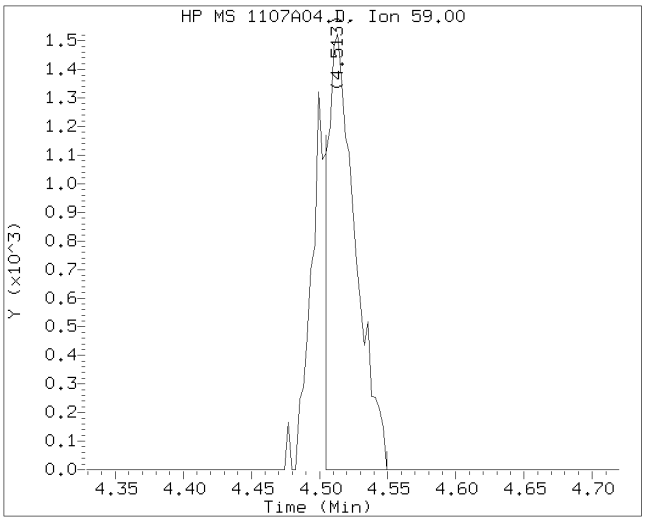
Alpha Analytical Labs

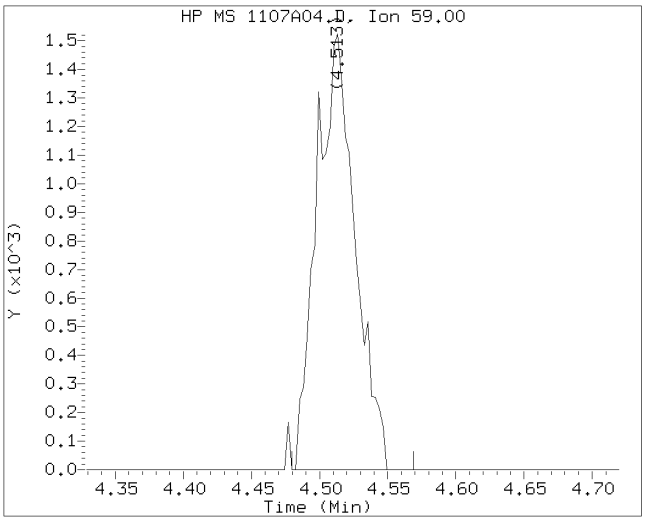
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 25: Ethyl-Tert-Butyl-Ether

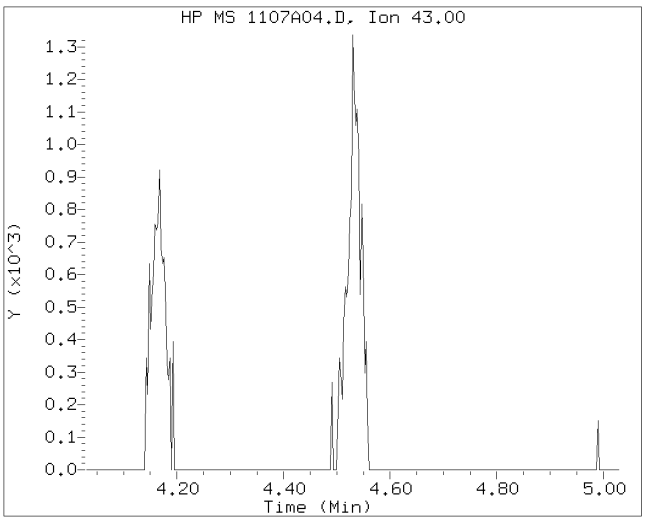


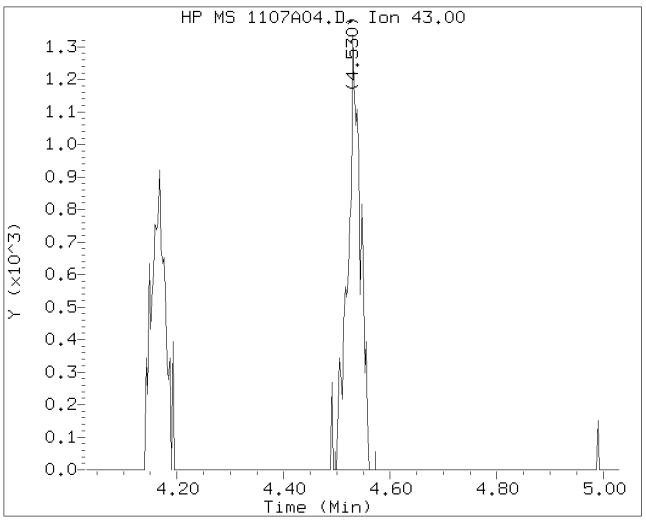


Original Peak Response = 2179 Manual Peak Response = 2997 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 26: vinyl acetate





Original Peak Response = 0 Manual Peak Response = 2228 M2

M2 = Peak not found by automatic integration algorithm.

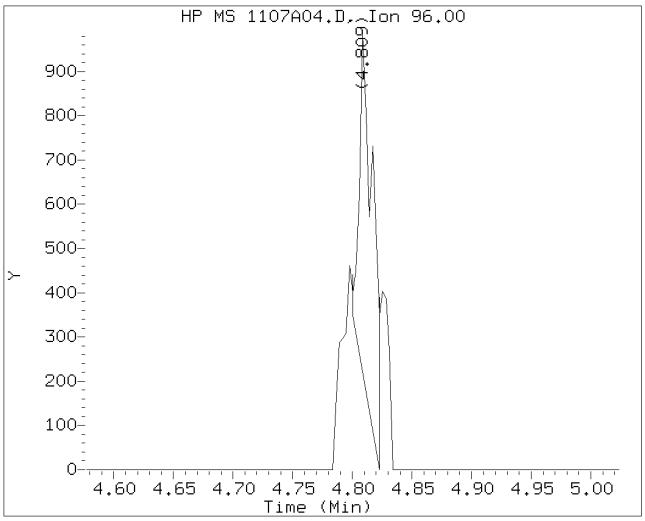
Alpha Analytical Labs

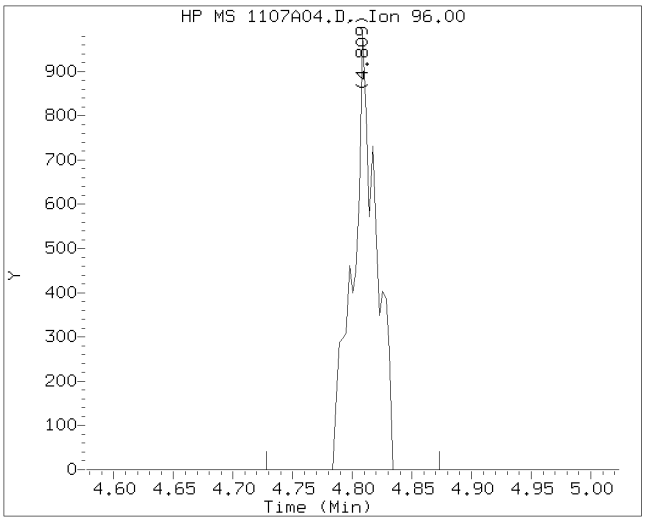
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 27: cis-1,2-dichloroethene

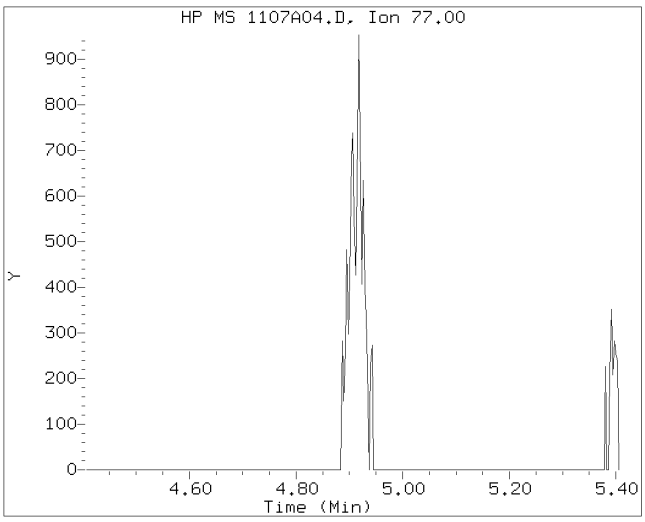


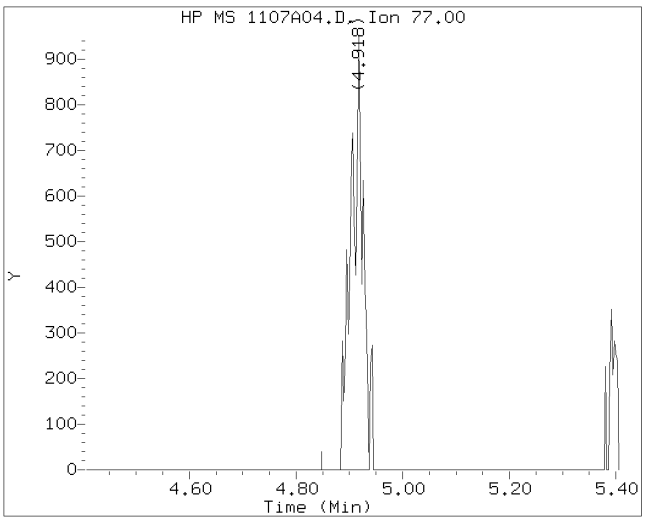


Original Peak Response = 651 Manual Peak Response = 1345 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 28: 2,2-dichloropropane





Original Peak Response = 0 Manual Peak Response = 1441 M2

M2 = Peak not found by automatic integration algorithm.

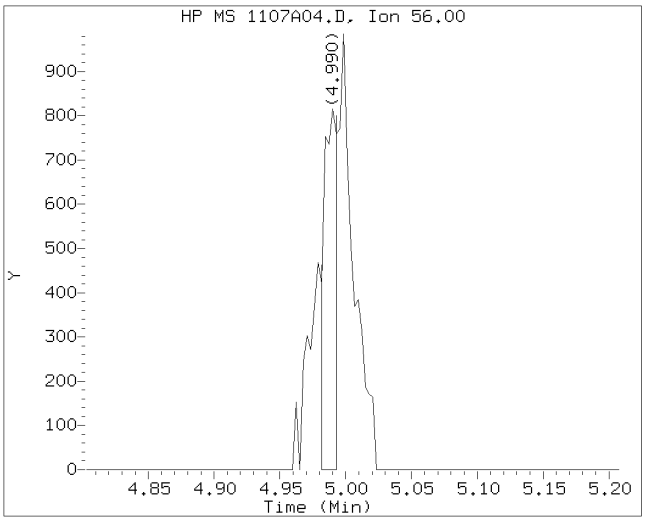
Alpha Analytical Labs

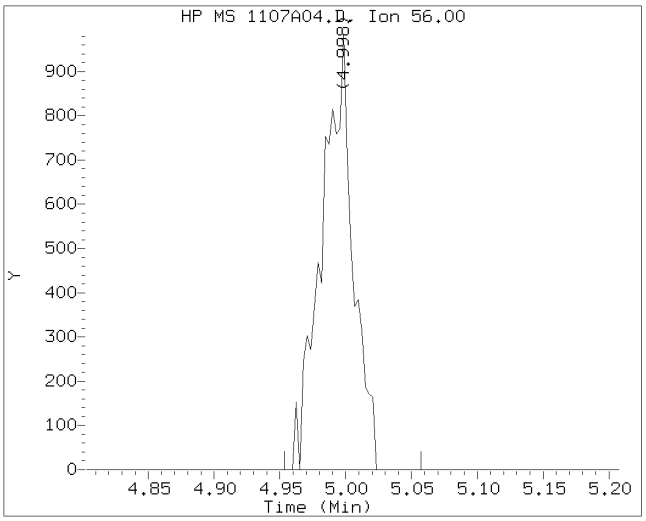
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 30: Cyclohexane

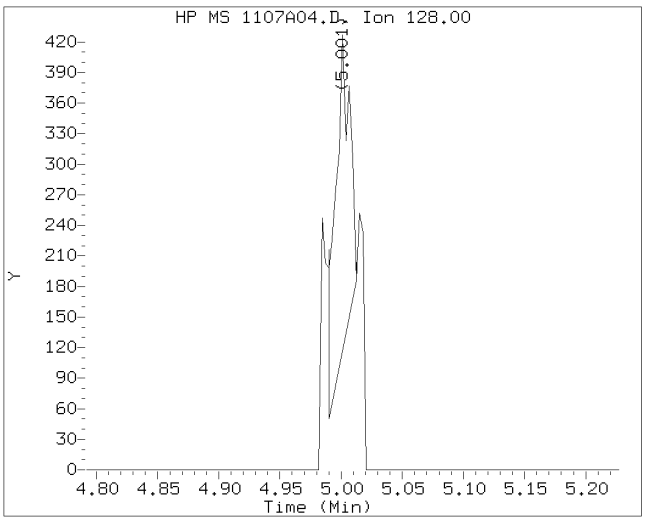


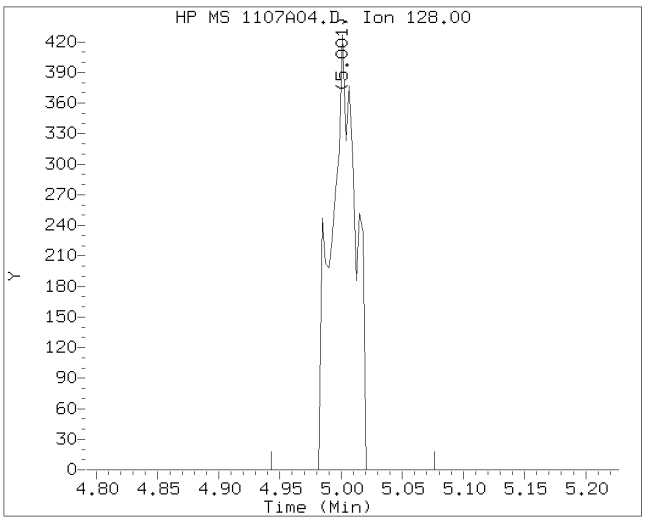


Original Peak Response = 583 Manual Peak Response = 1648 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 29: bromochloromethane





Original Peak Response = 262 Manual Peak Response = 596 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

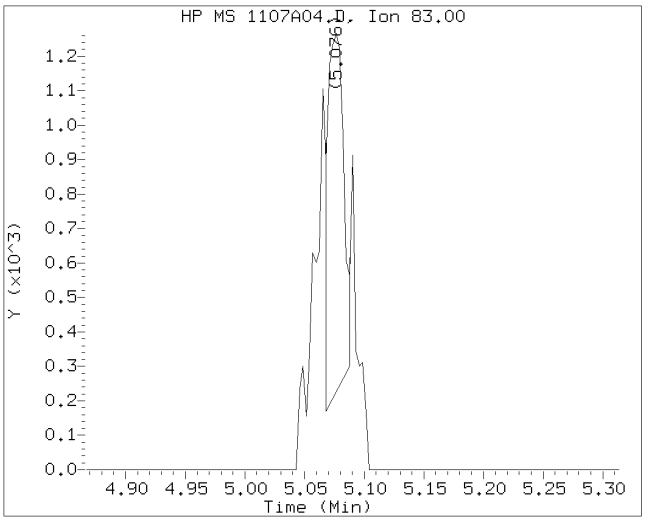
Alpha Analytical Labs

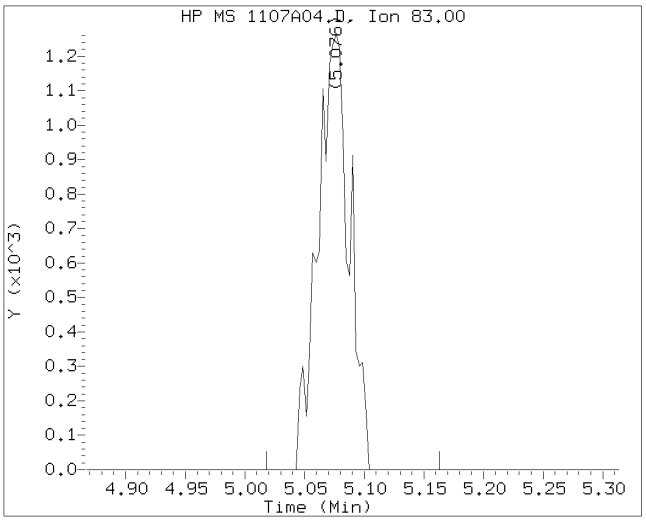
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 31: chloroform

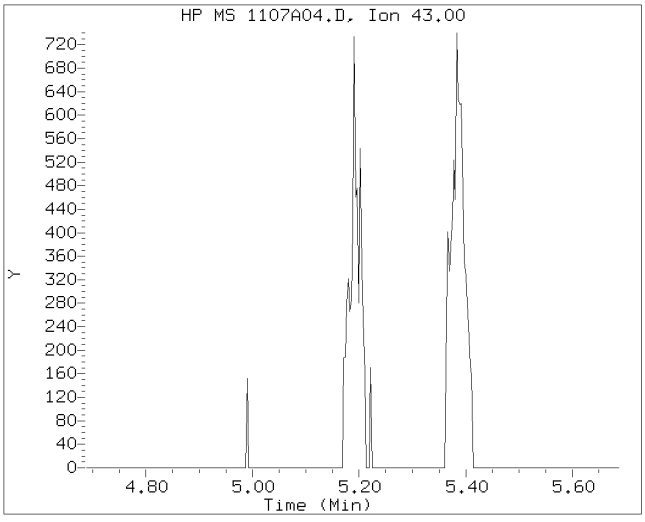


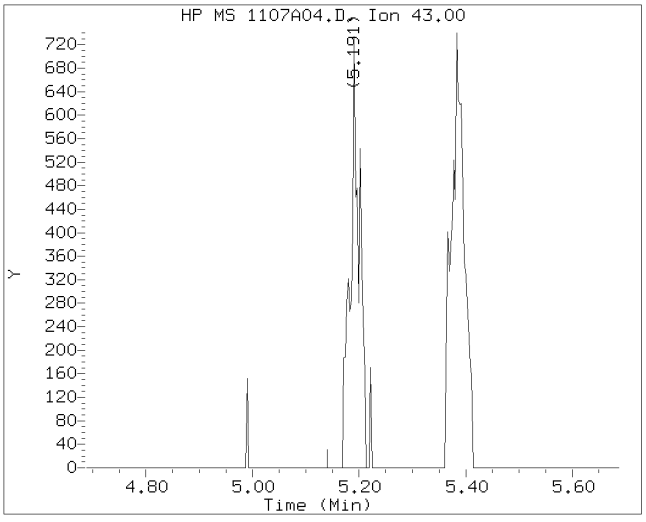


Original Peak Response = 1012 Manual Peak Response = 2336 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 32: Ethyl Acetate





Original Peak Response = 0 Manual Peak Response = 868 M2

M2 = Peak not found by automatic integration algorithm.

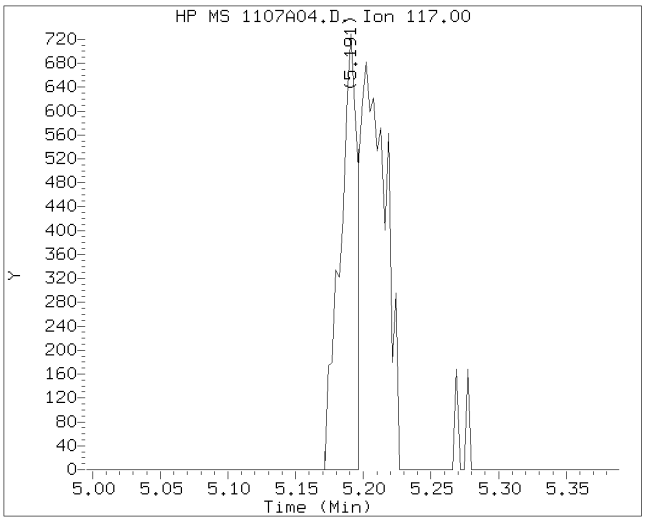
Alpha Analytical Labs

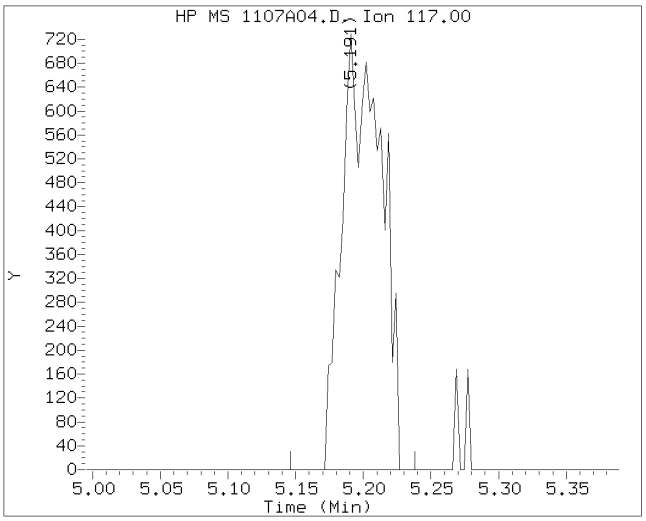
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 33: carbontetrachloride

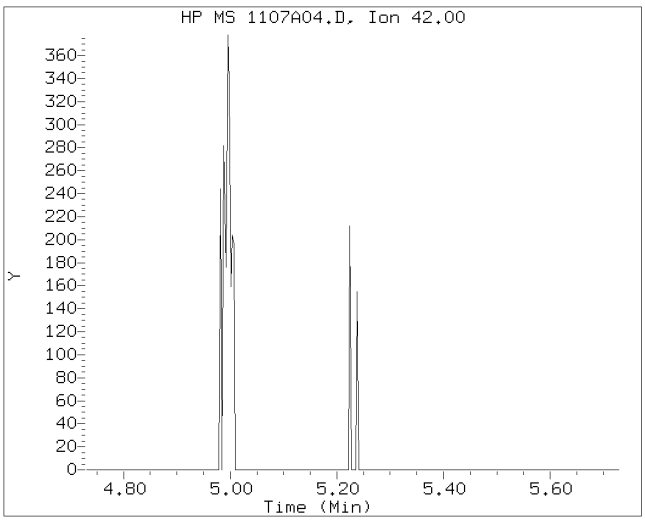


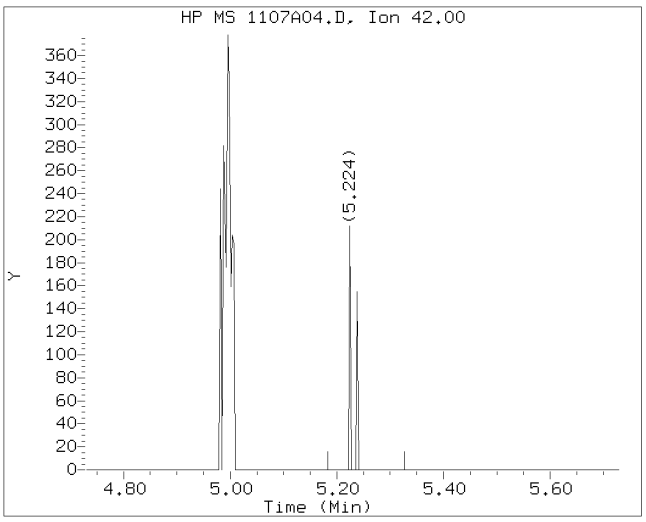


Original Peak Response = 651 Manual Peak Response = 1499 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 35: tetrahydrofuran





Original Peak Response = 0 Manual Peak Response = 61 M2

M2 = Peak not found by automatic integration algorithm.

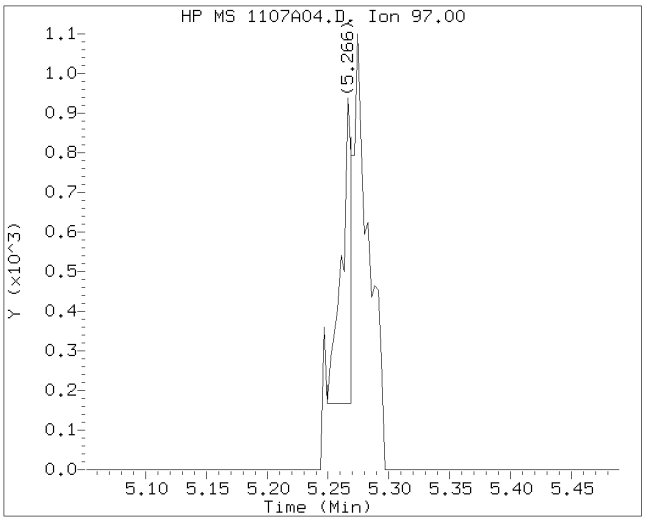
Alpha Analytical Labs

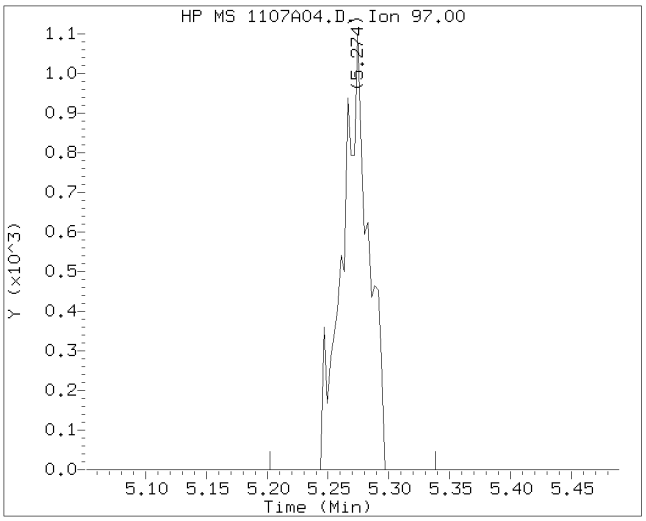
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 37: 1,1,1-trichloroethane

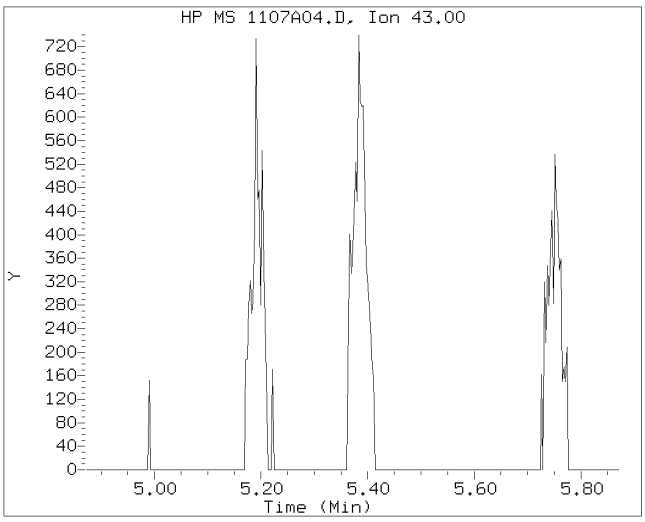


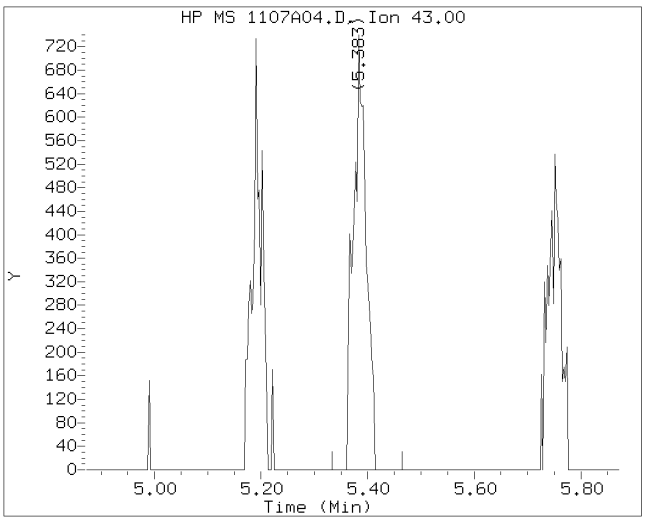


Original Peak Response = 440 Manual Peak Response = 1653 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 38: 2-butanone





Original Peak Response = 0 Manual Peak Response = 1235 M2

M2 = Peak not found by automatic integration algorithm.

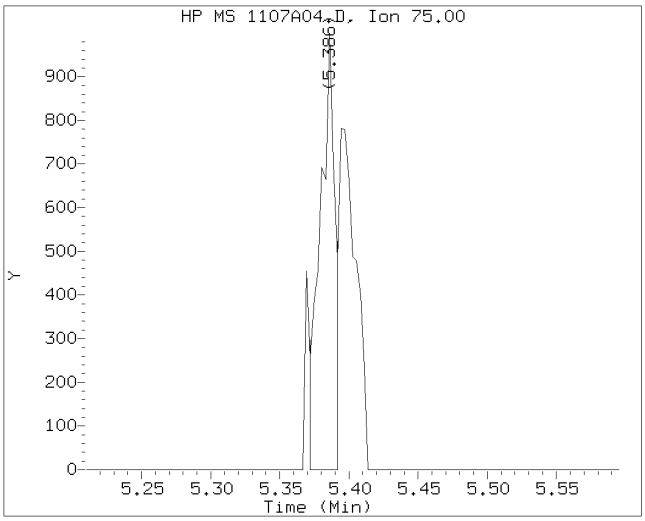
Alpha Analytical Labs

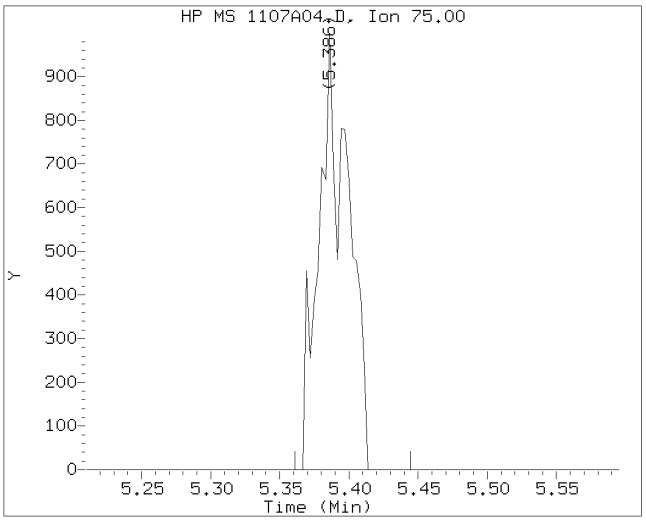
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 39: 1,1-dichloropropene

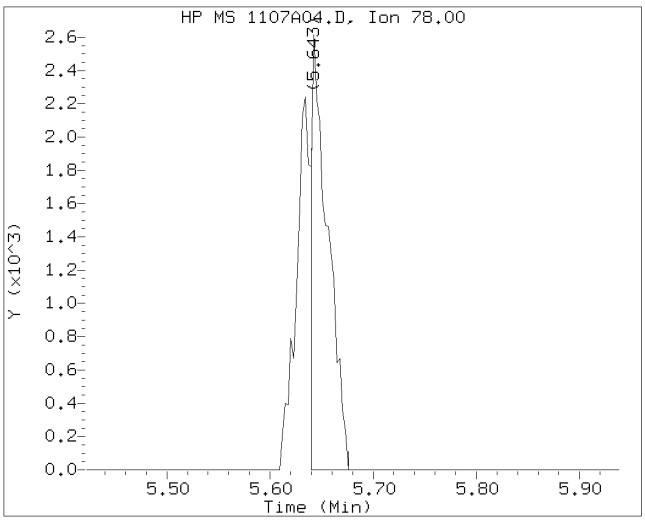


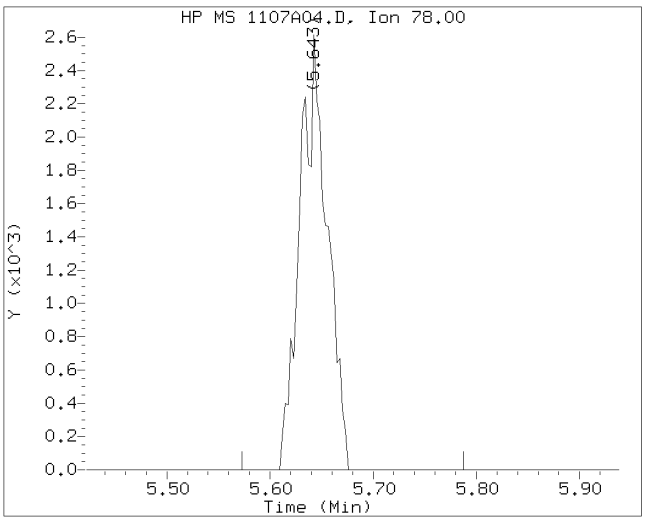


Original Peak Response = 777 Manual Peak Response = 1492 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 40: benzene





Original Peak Response = 2950 Manual Peak Response = 4843 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

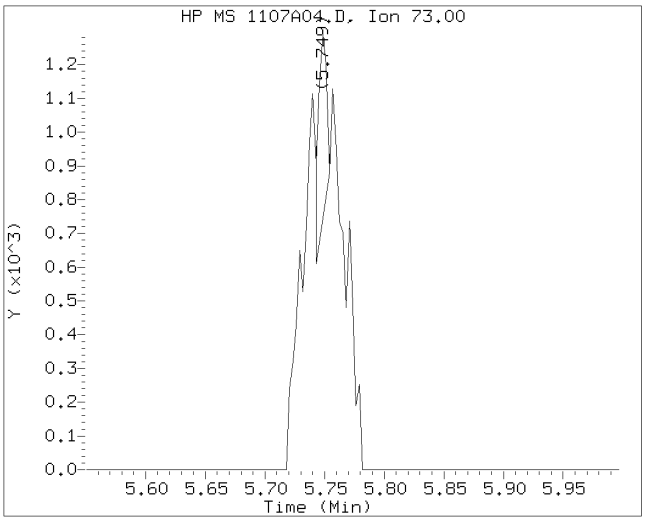
Alpha Analytical Labs

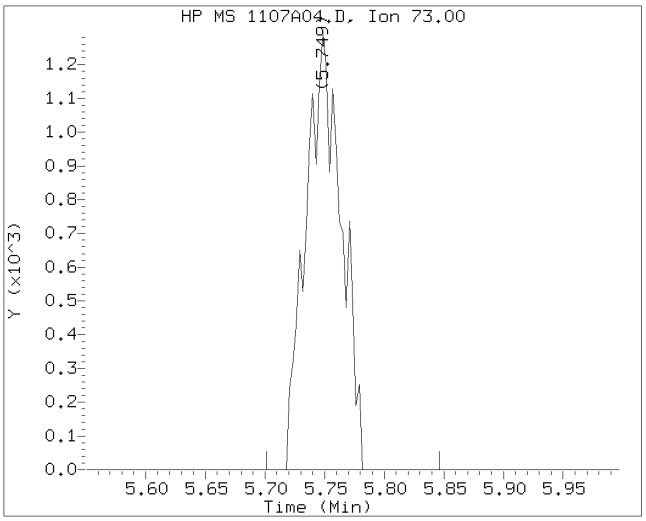
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 41: Tertiary-Amyl Methyl Ether

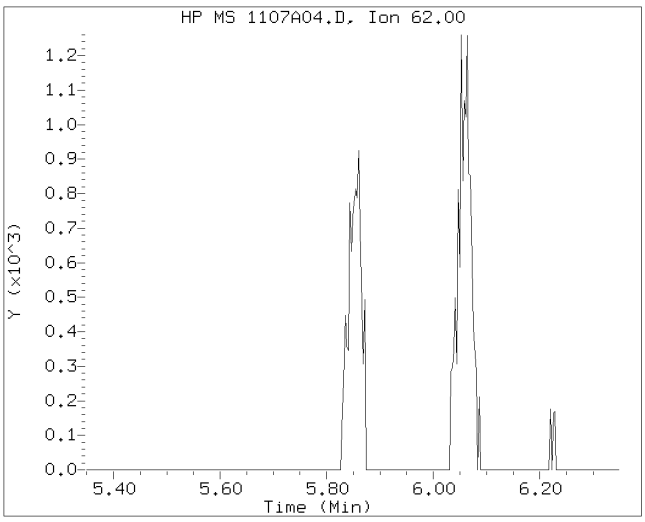


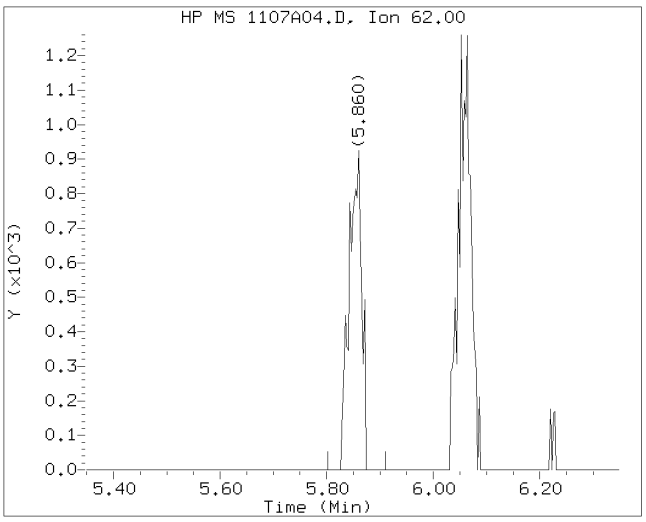


Original Peak Response = 282 Manual Peak Response = 2685 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 43: 1,2-dichloroethane





Original Peak Response = 0 Manual Peak Response = 1505 M2

M2 = Peak not found by automatic integration algorithm.

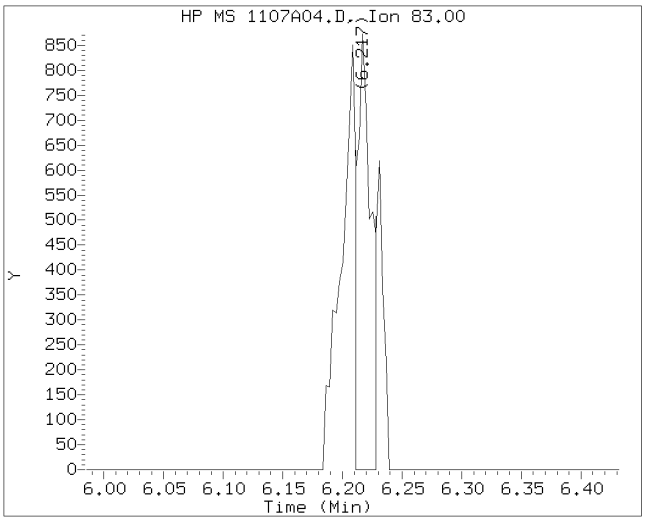
Alpha Analytical Labs

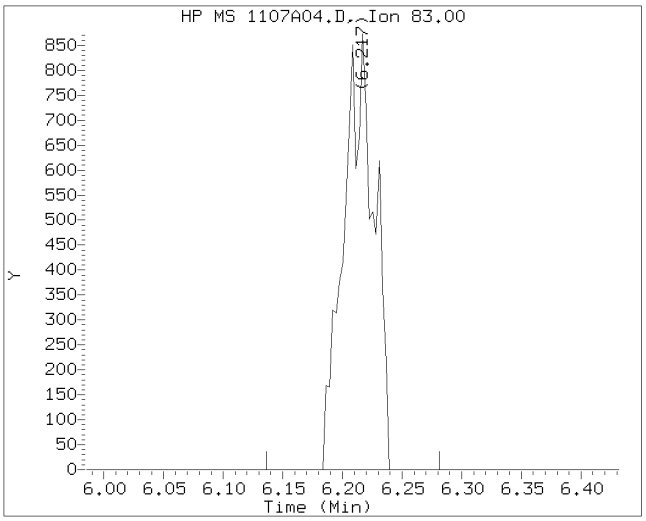
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 47: methyl cyclohexane

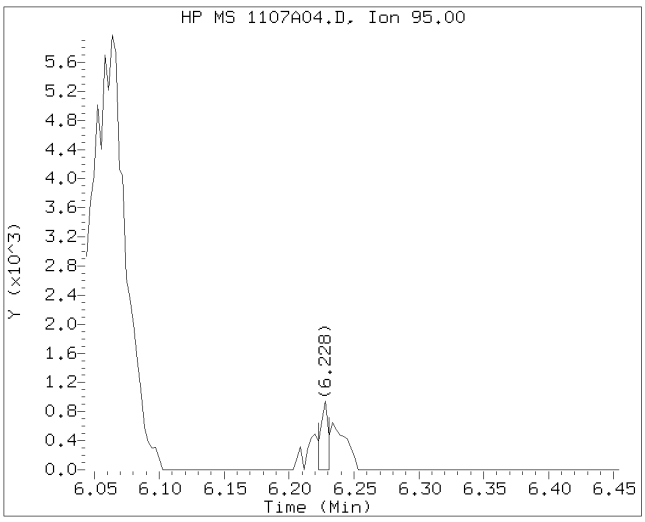


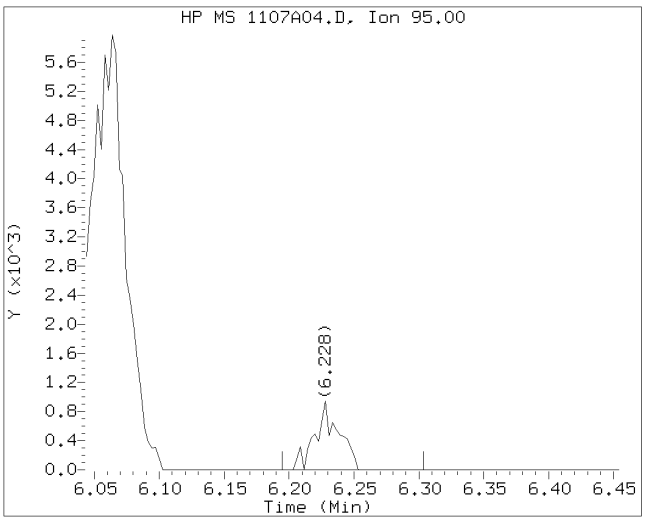


Original Peak Response = 728 Manual Peak Response = 1574 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 48: trichloroethene





Original Peak Response = 413 Manual Peak Response = 1208 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

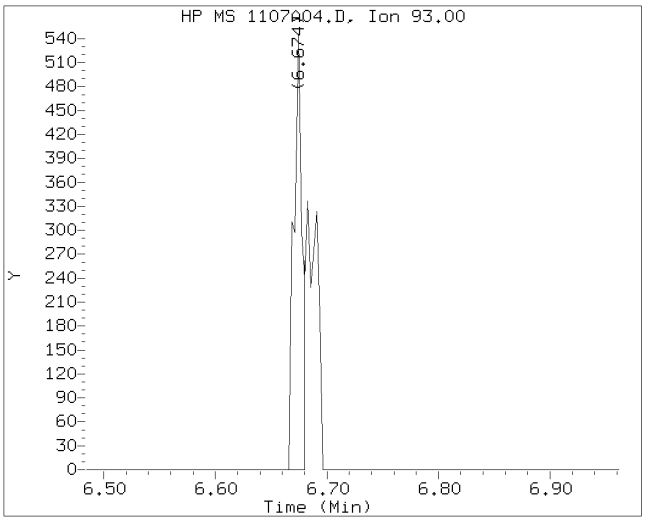
Alpha Analytical Labs

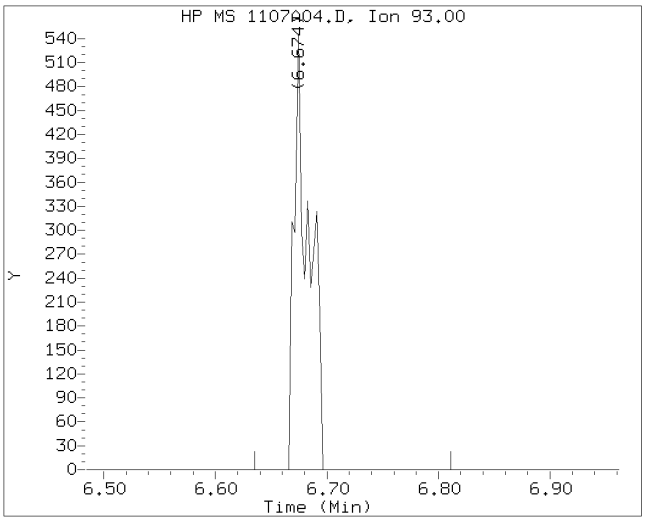
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 50: dibromomethane

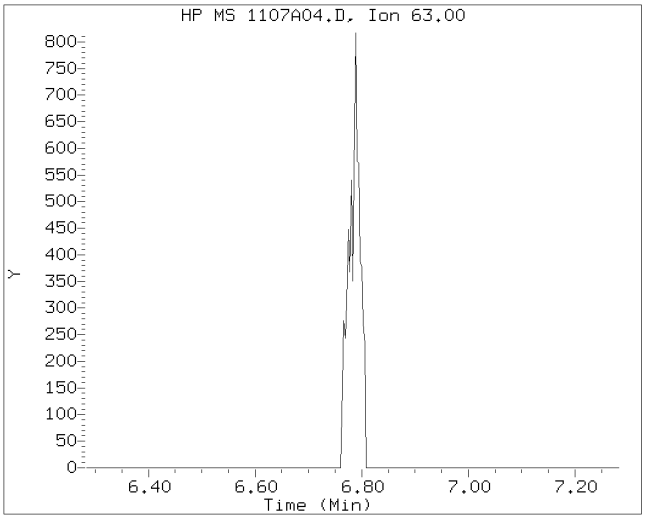


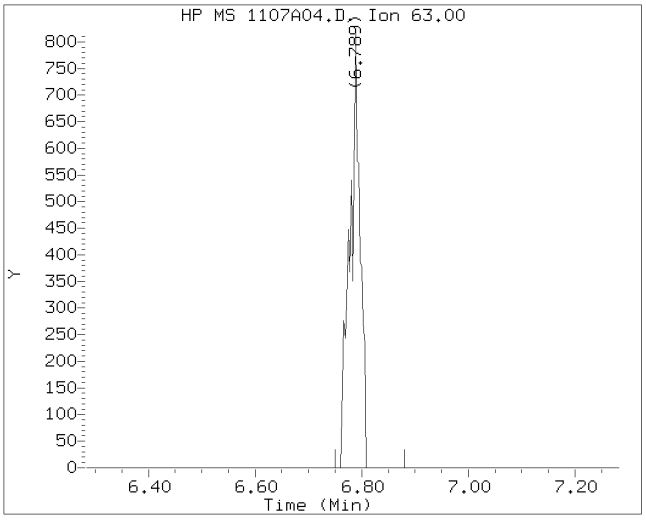


Original Peak Response = 283 Manual Peak Response = 509 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 52: 1,2-dichloropropane





Original Peak Response = 0 Manual Peak Response = 1084 M2

M2 = Peak not found by automatic integration algorithm.

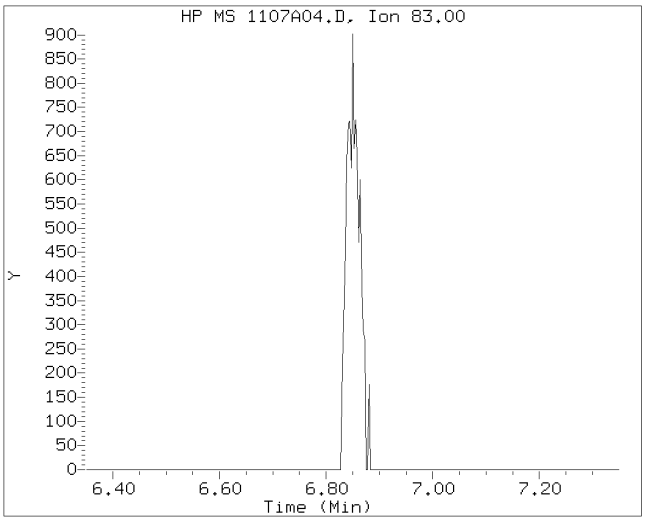
Alpha Analytical Labs

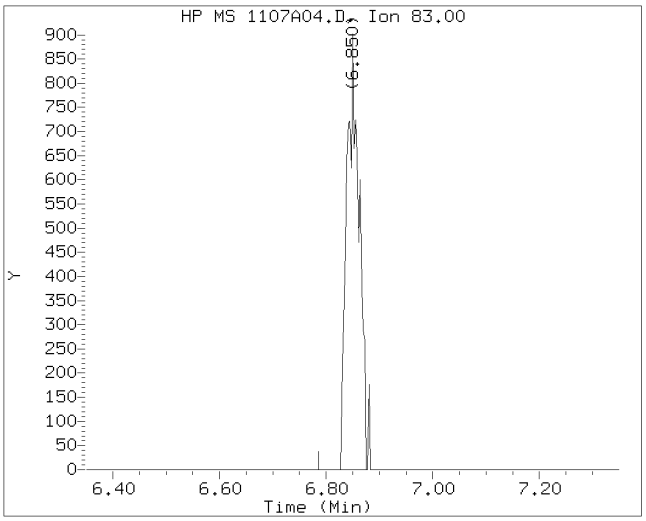
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 53: bromodichloromethane

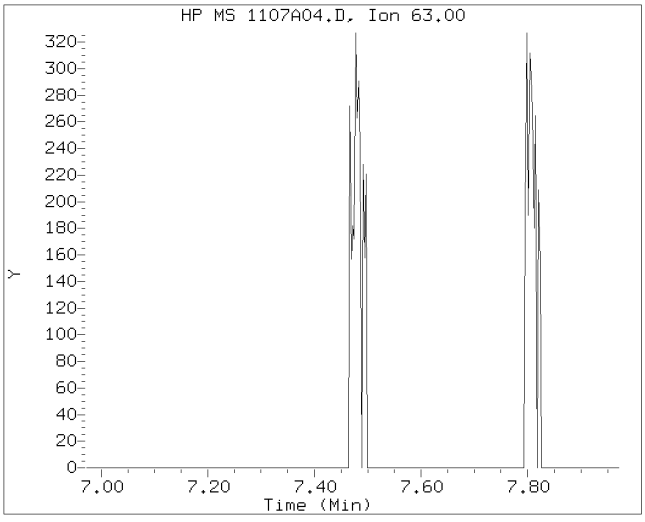


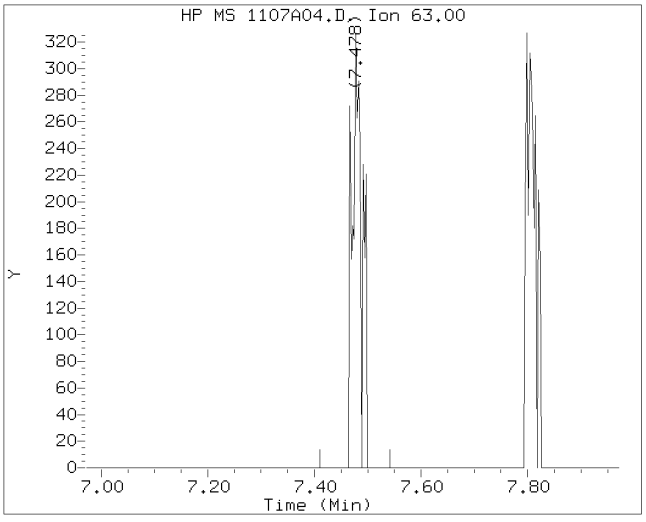


Original Peak Response = 0 Manual Peak Response = 1444 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 56: 2-Chloroethylvinyl ether





Original Peak Response = 0 Manual Peak Response = 420 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

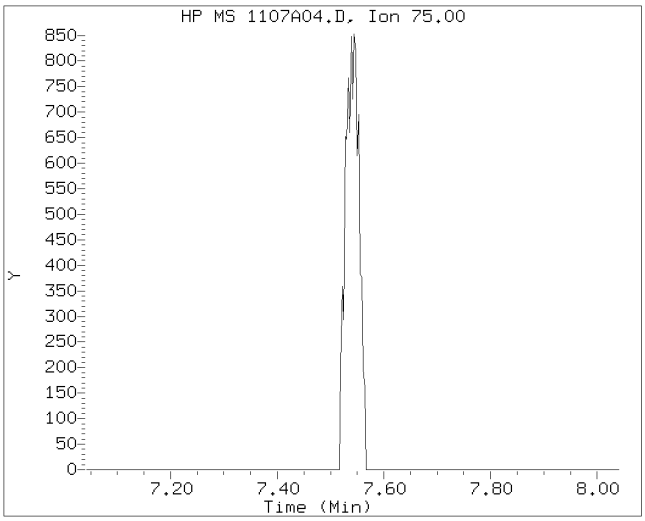
Alpha Analytical Labs

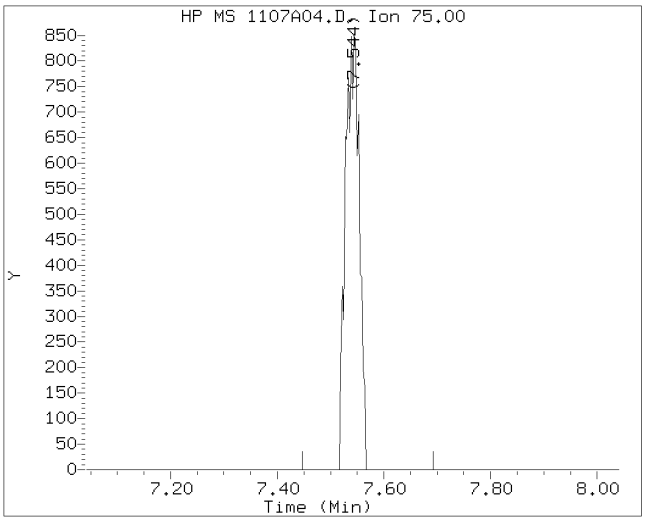
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 57: cis-1,3-dichloropropene

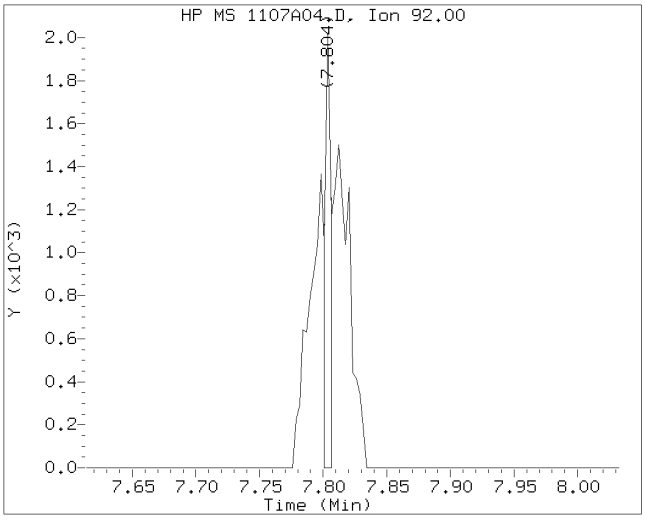


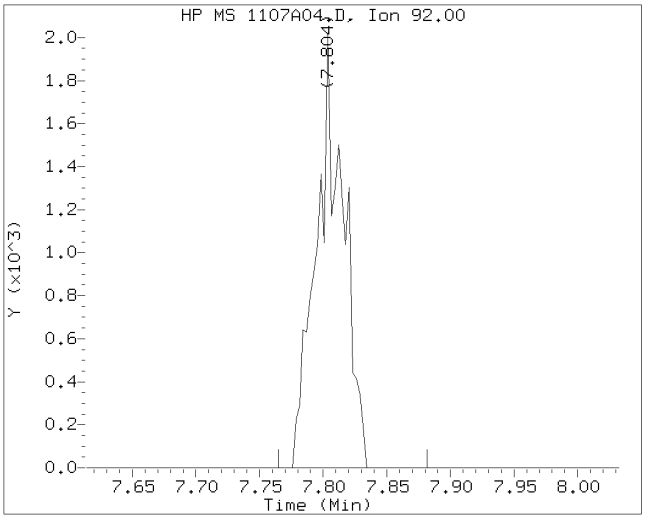


Original Peak Response = 0 Manual Peak Response = 1548 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 59: toluene





Original Peak Response = 708 Manual Peak Response = 2994 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

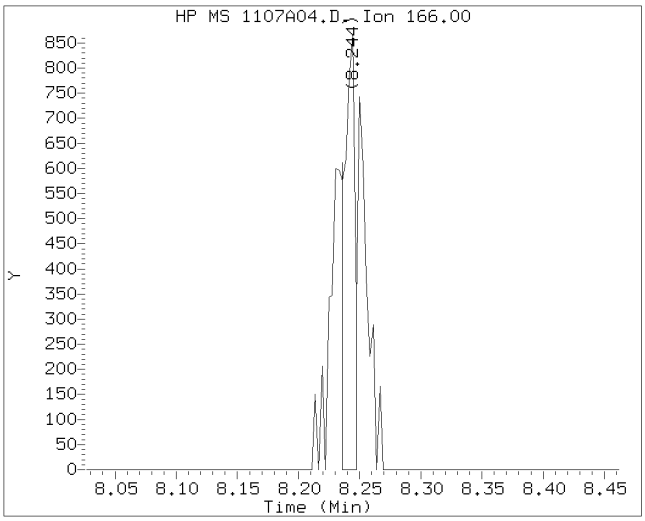
Alpha Analytical Labs

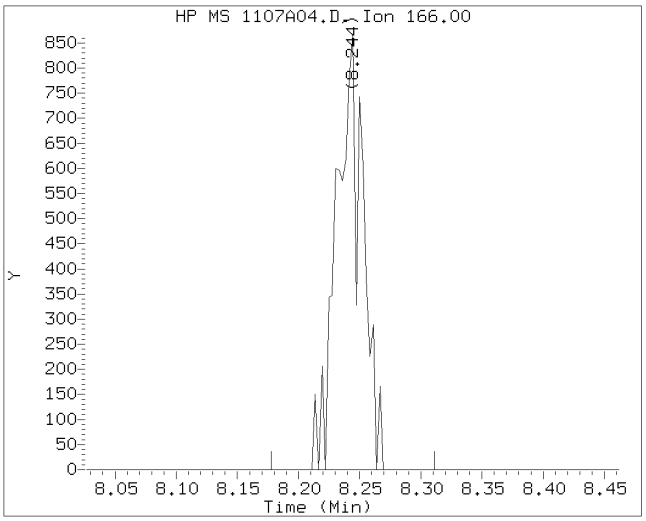
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 61: tetrachloroethene

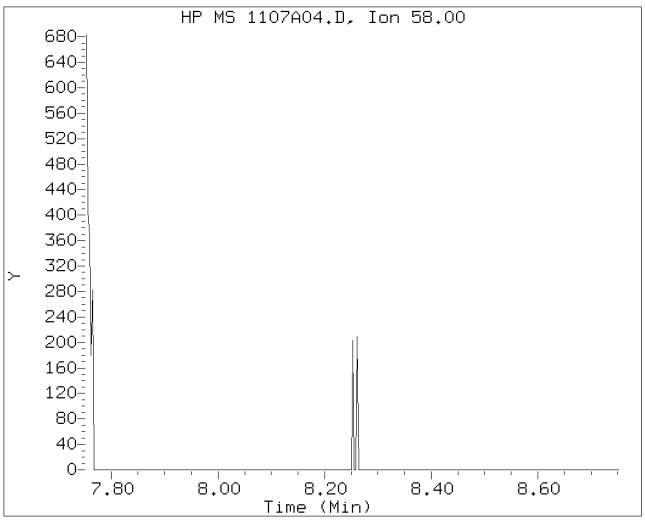


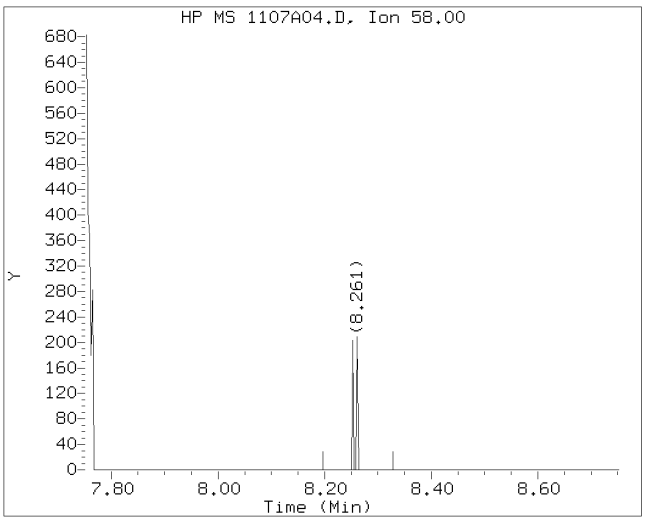


Original Peak Response = 530 Manual Peak Response = 1308 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 60: 4-methyl-2-pentanone





Original Peak Response = 0 Manual Peak Response = 68 M2

M2 = Peak not found by automatic integration algorithm.

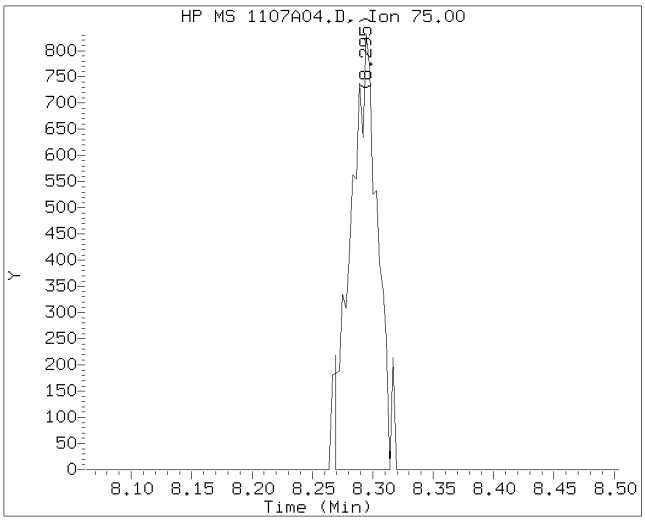
Alpha Analytical Labs

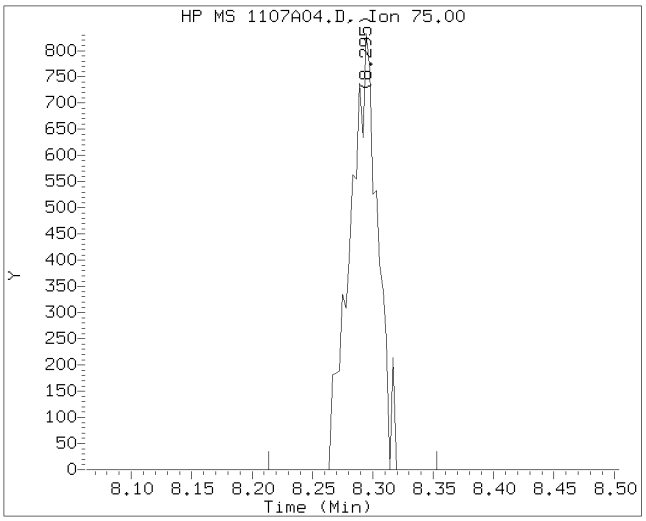
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 62: trans-1,3-dichloropropene

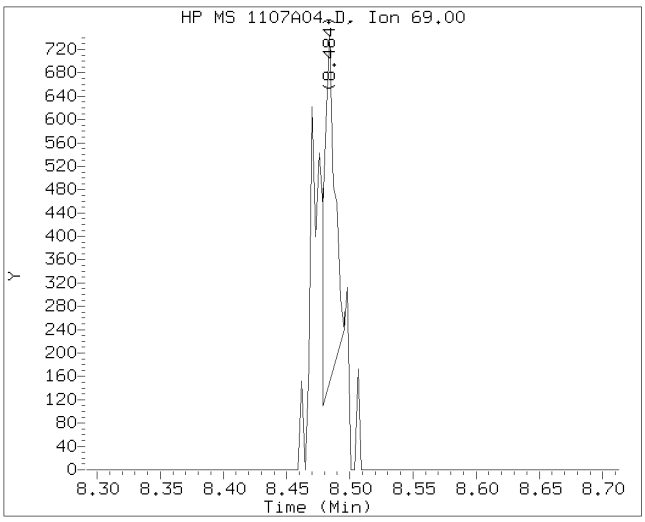


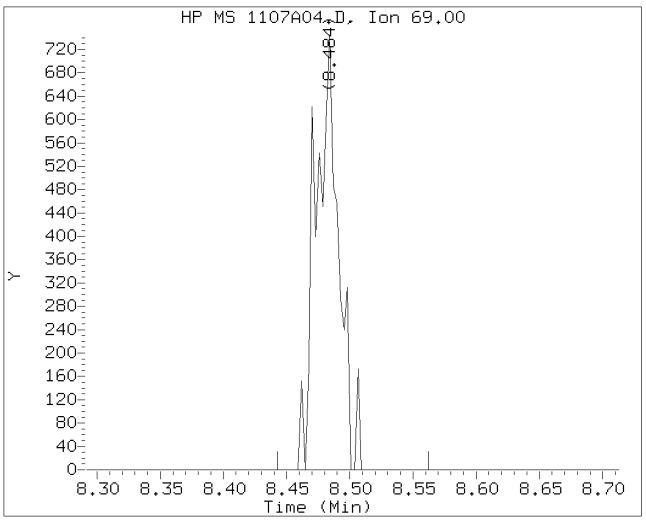


Original Peak Response = 1262 Manual Peak Response = 1328 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 65: ethyl-methacrylate





Original Peak Response = 346 Manual Peak Response = 949 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

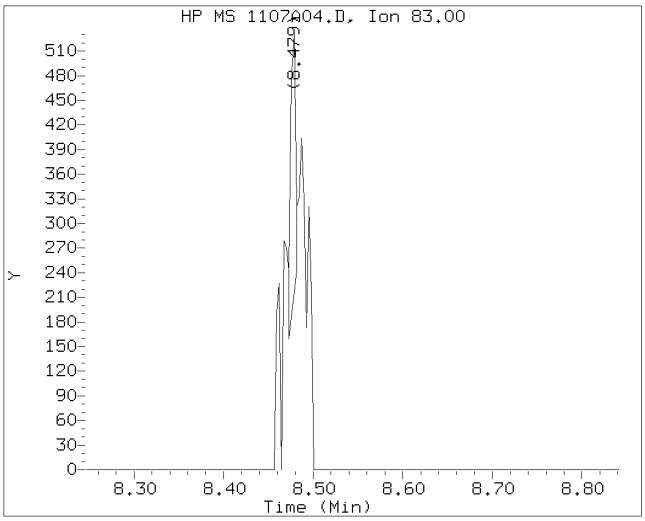
Alpha Analytical Labs

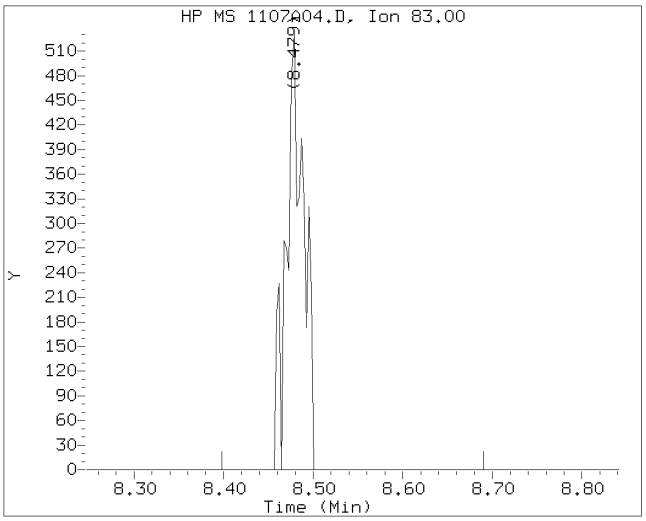
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 66: 1,1,2-trichloroethane

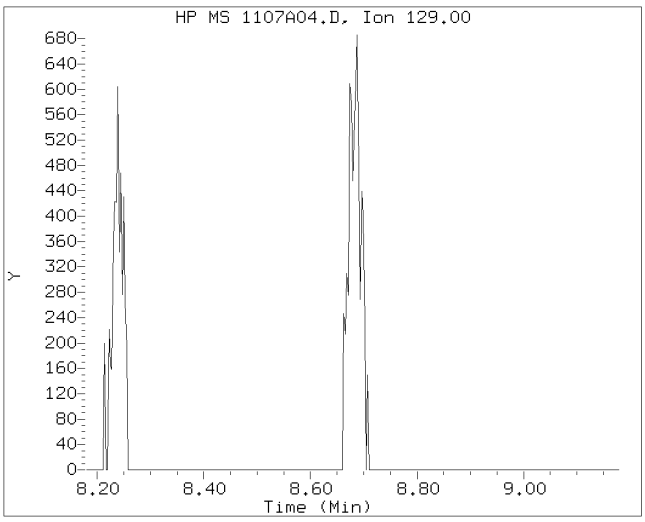


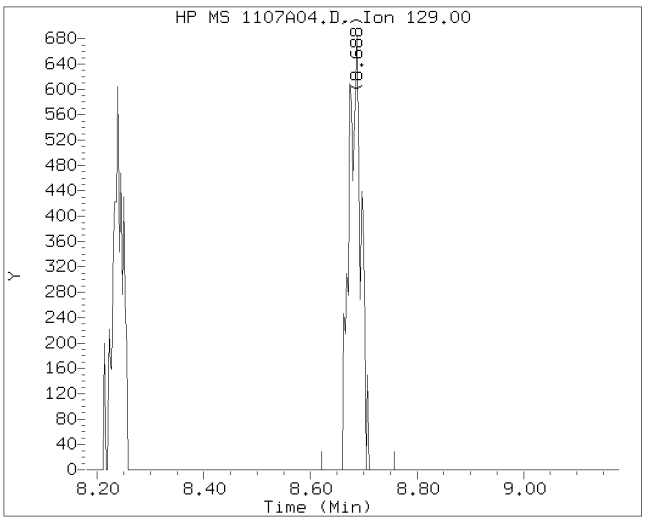


Original Peak Response = 127 Manual Peak Response = 721 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 67: chlorodibromomethane





Original Peak Response = 0 Manual Peak Response = 1082 M2

M2 = Peak not found by automatic integration algorithm.

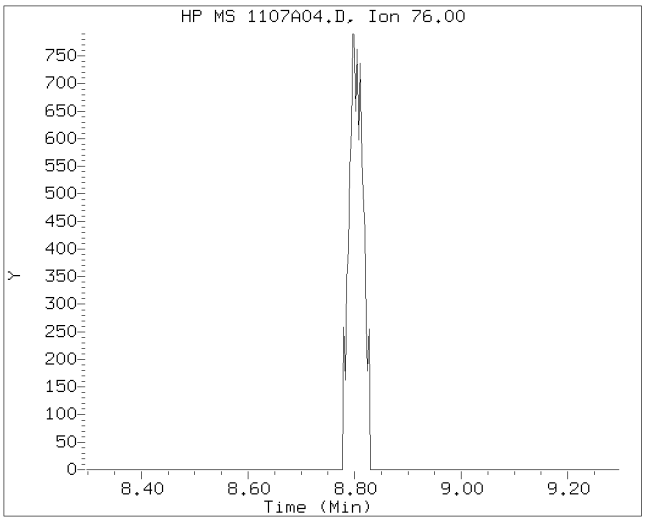
Alpha Analytical Labs

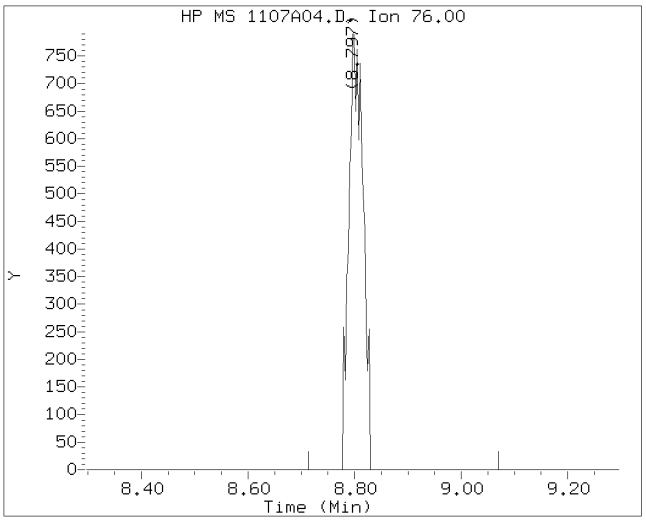
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 68: 1,3-dichloropropane

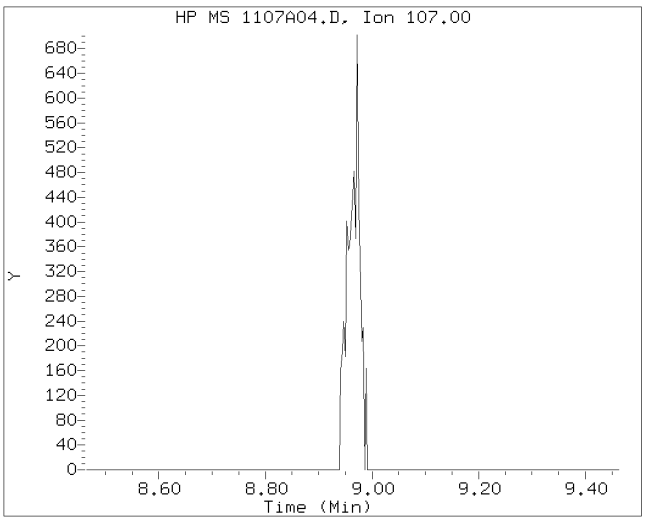


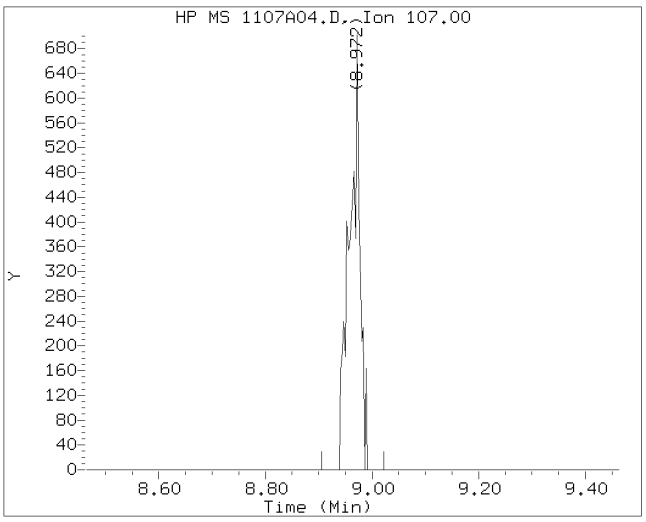


Original Peak Response = 0 Manual Peak Response = 1481 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 70: 1,2-dibromoethane





Original Peak Response = 0 Manual Peak Response = 948 M2

M2 = Peak not found by automatic integration algorithm.

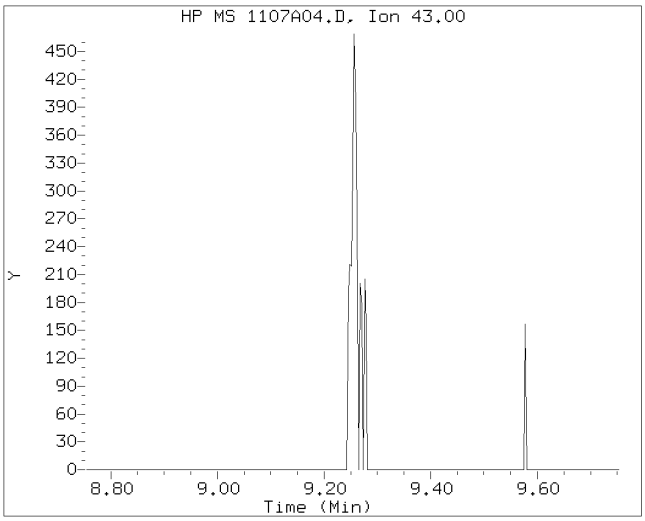
Alpha Analytical Labs

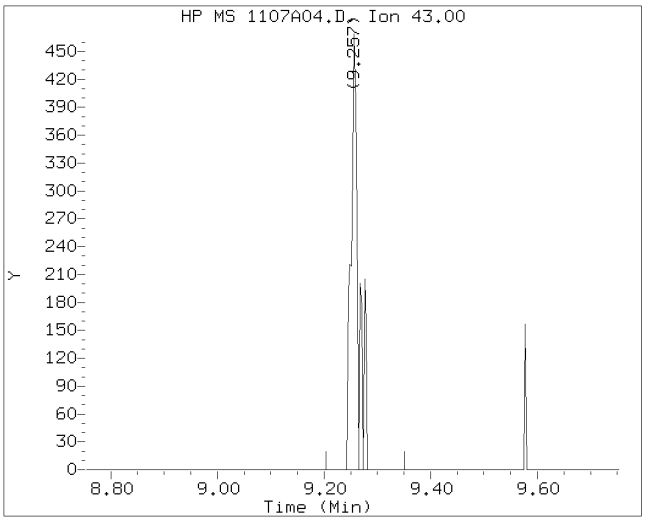
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 71: 2-hexanone

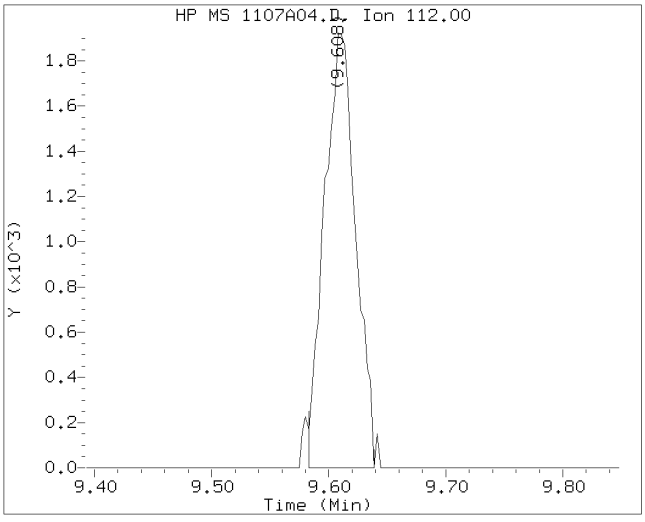


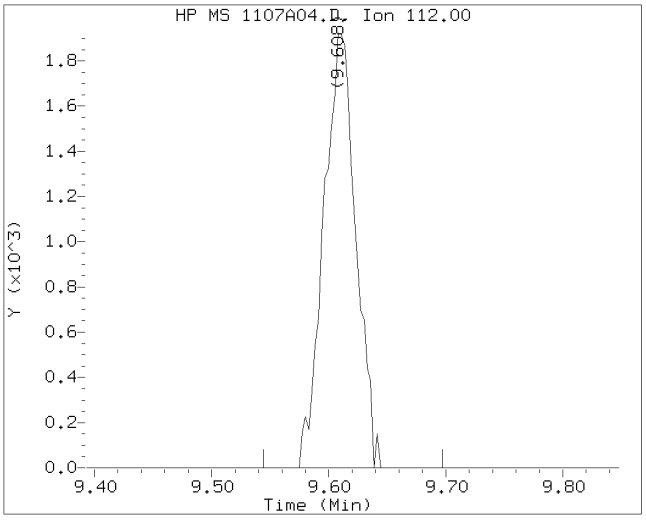


Original Peak Response = 0 Manual Peak Response = 473 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 73: chlorobenzene





Original Peak Response = 3585 Manual Peak Response = 3675 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

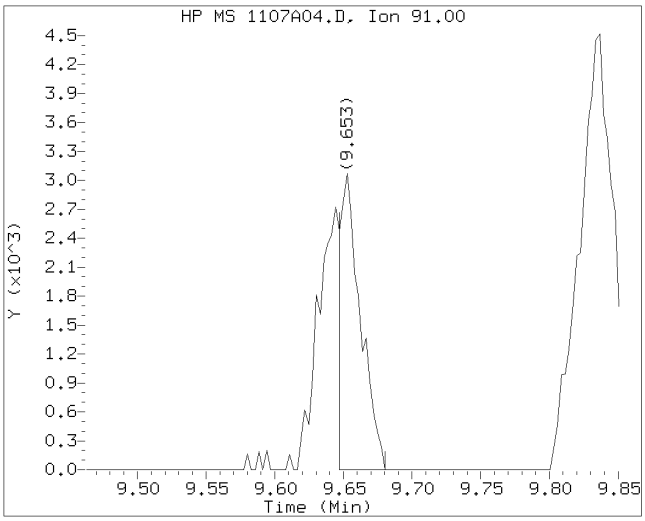
Alpha Analytical Labs

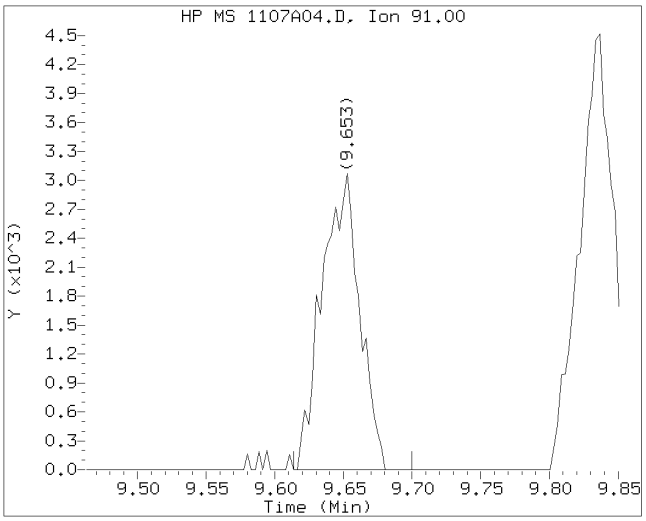
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 74: ethyl benzene

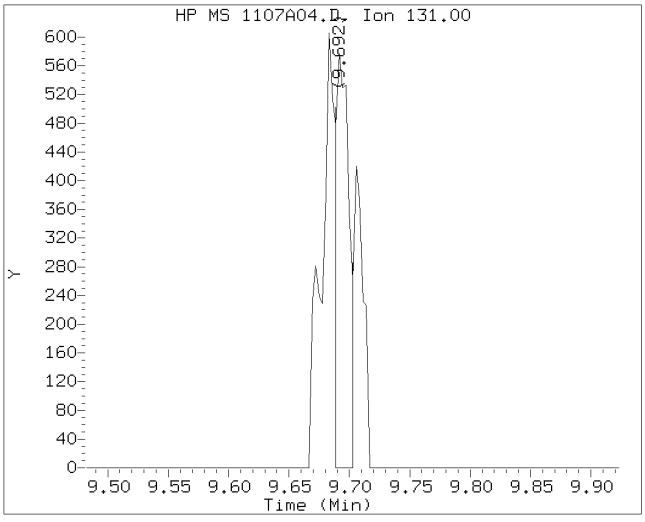


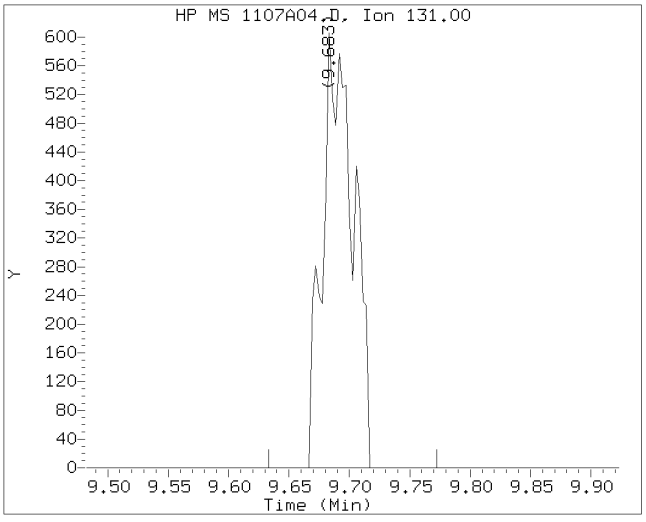


Original Peak Response = 3260 Manual Peak Response = 5849 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 75: 1,1,1,2-tetrachloroethane





Original Peak Response = 457 Manual Peak Response = 1082 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

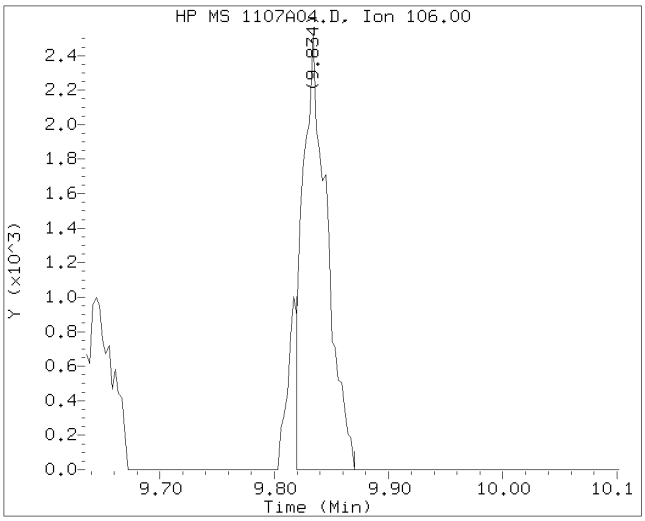
Alpha Analytical Labs

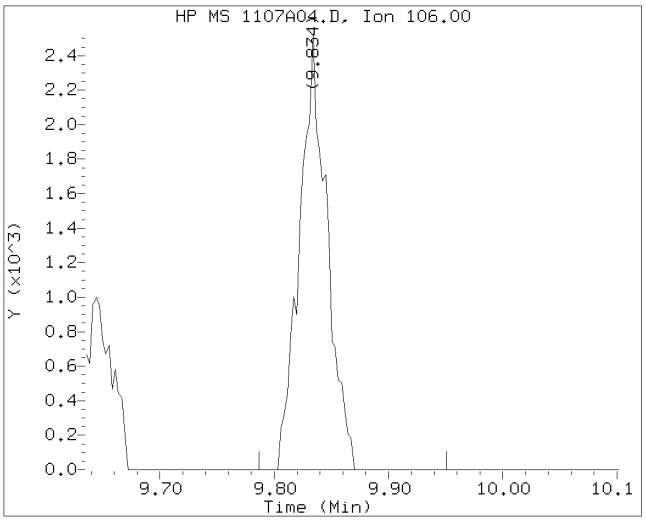
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 76: p/m xylene

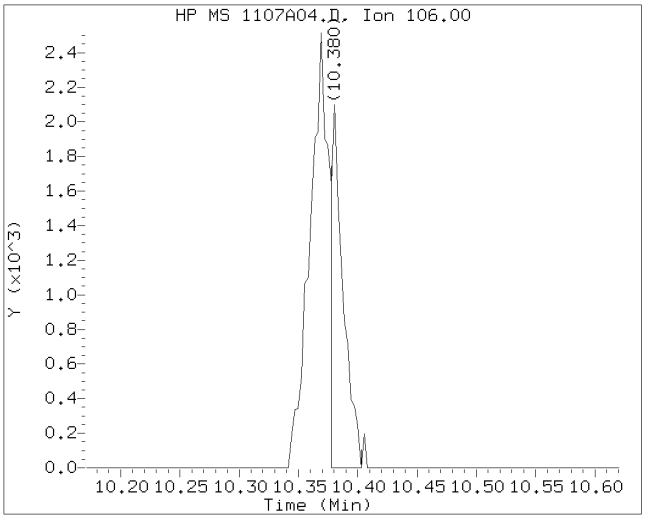


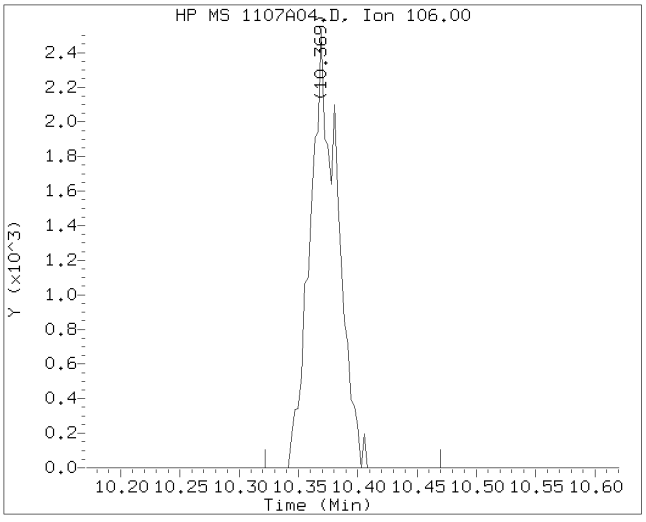


Original Peak Response = 3752 Manual Peak Response = 4216 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 77: o xylene





Original Peak Response = 1508 Manual Peak Response = 4087 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

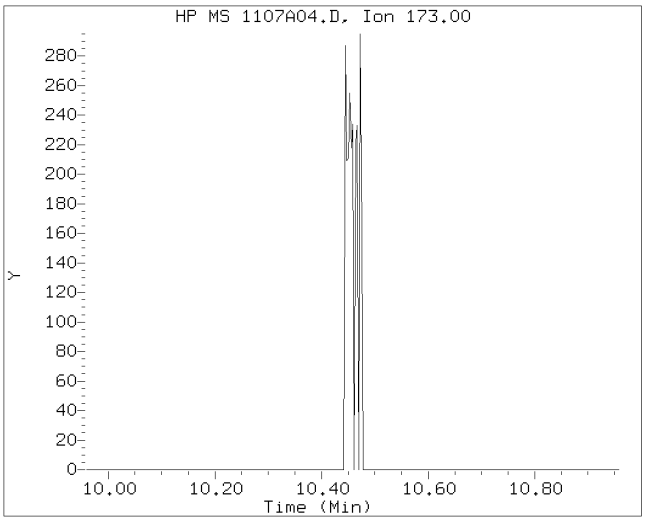
Alpha Analytical Labs

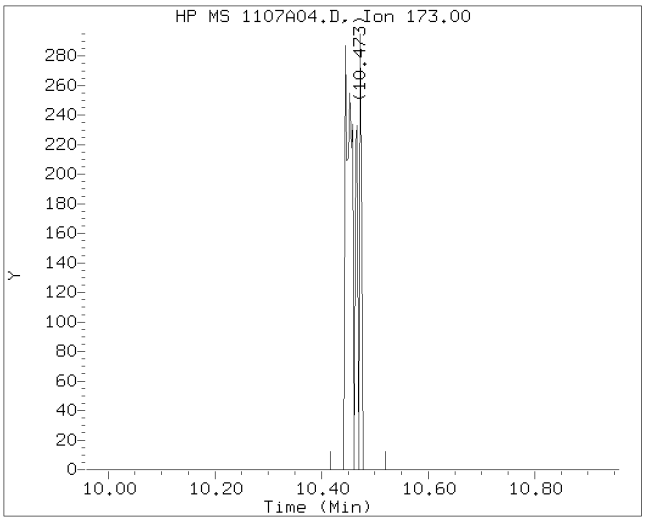
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 79: bromoform

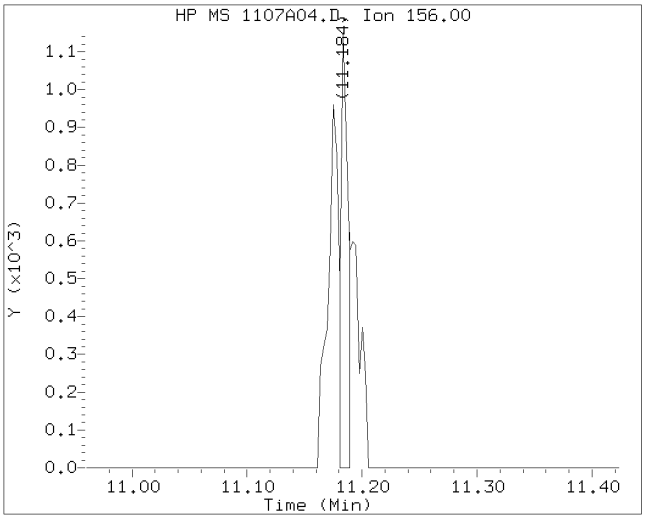


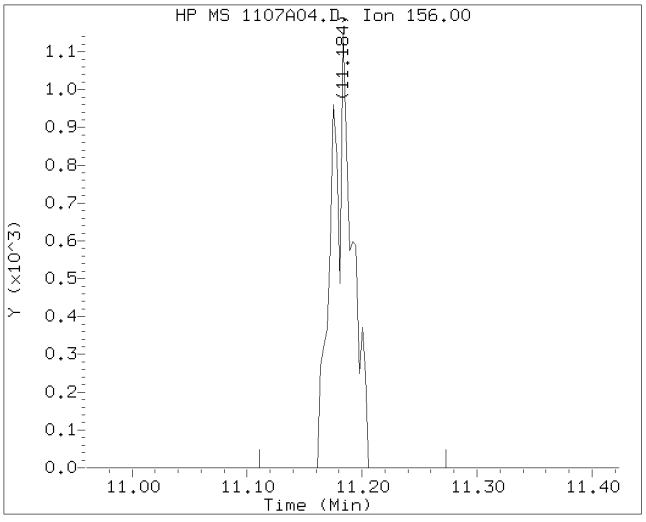


Original Peak Response = 0 Manual Peak Response = 388 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 82: bromobenzene





Original Peak Response = 519 Manual Peak Response = 1419 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

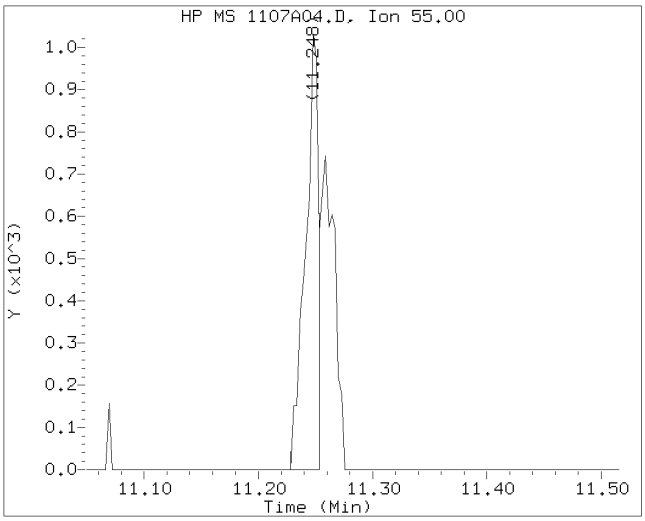
Alpha Analytical Labs

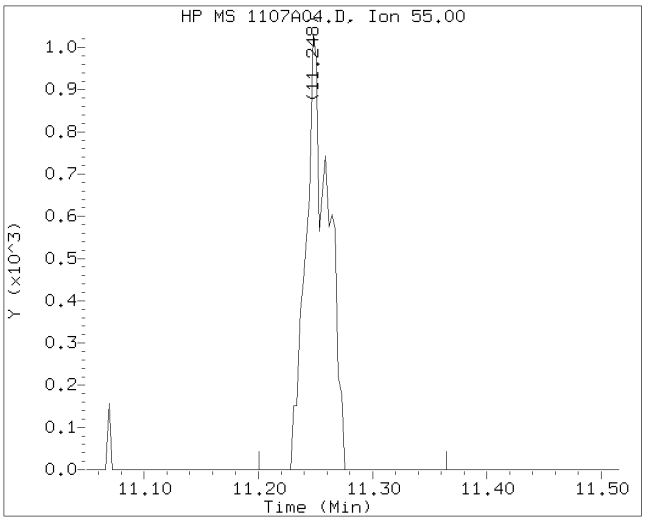
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 84: 1,4-dichloro-2-butane

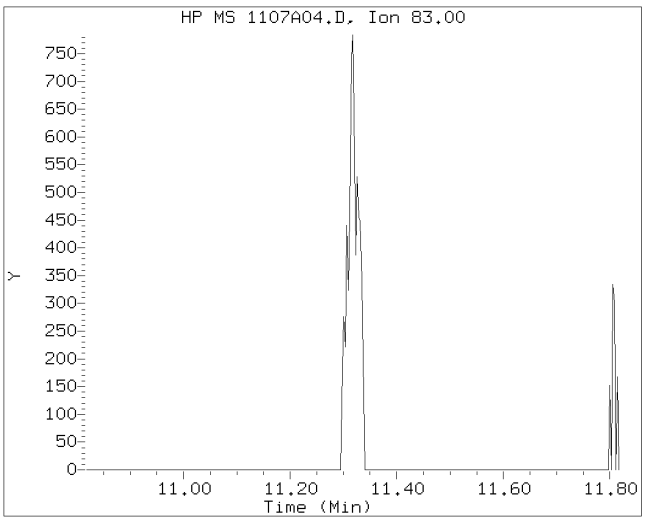


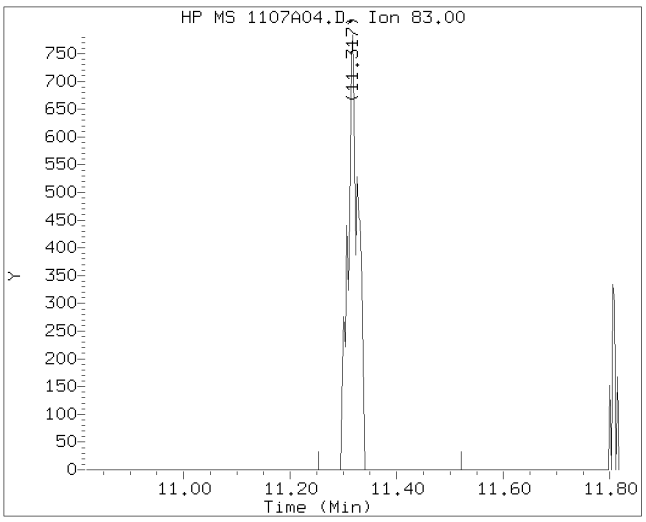


Original Peak Response = 819 Manual Peak Response = 1412 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 85: 1,1,2,2,-tetrachloroethane





Original Peak Response = 0 Manual Peak Response = 1077 M2

M2 = Peak not found by automatic integration algorithm.

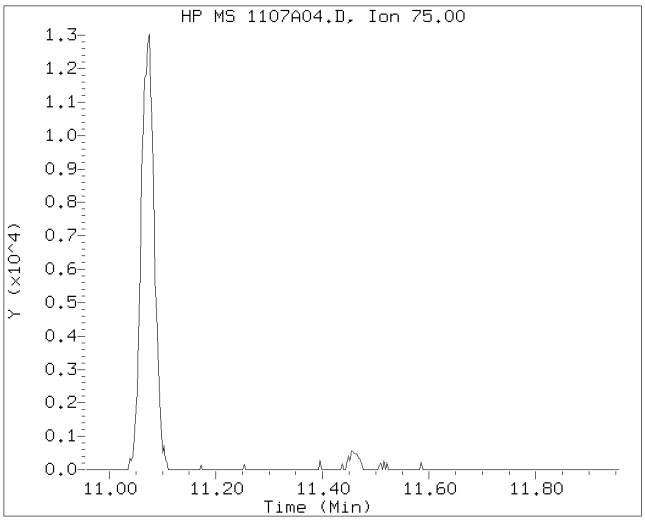
Alpha Analytical Labs

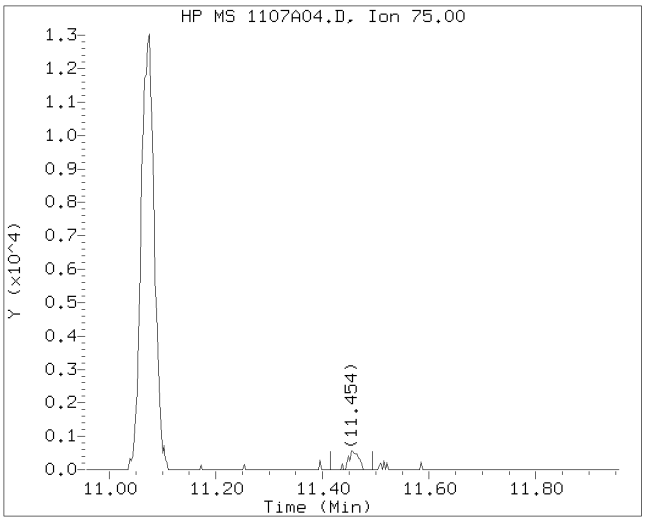
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 90: 1,2,3-trichloropropane

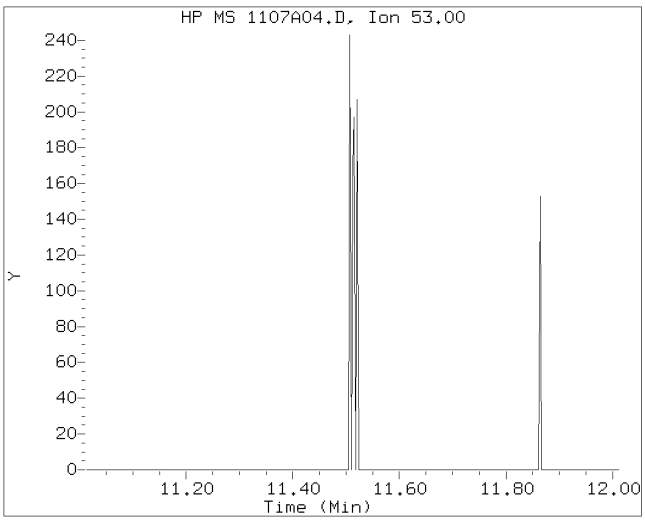


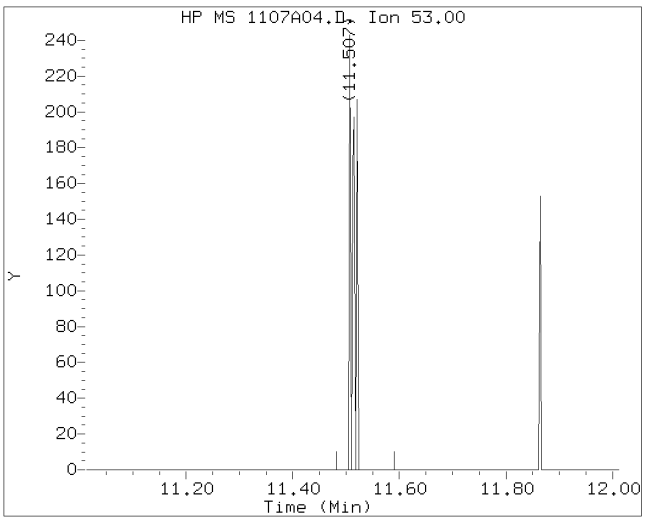


Original Peak Response = 0 Manual Peak Response = 733 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 91: trans-1,4-dichloro-2-butene





Original Peak Response = 0 Manual Peak Response = 136 M2

M2 = Peak not found by automatic integration algorithm.

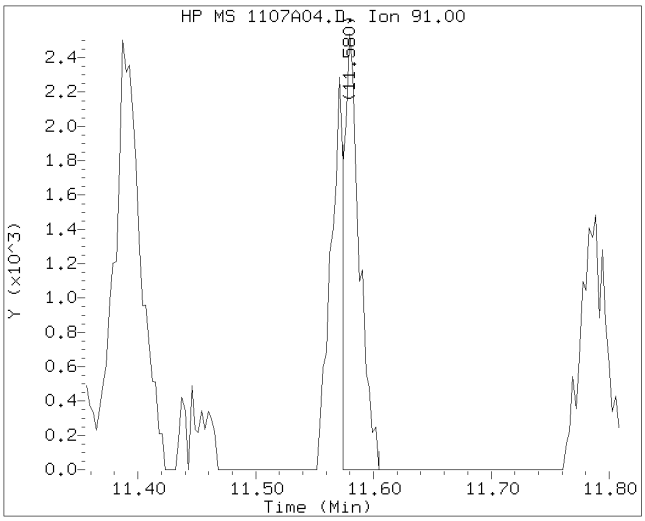
Alpha Analytical Labs

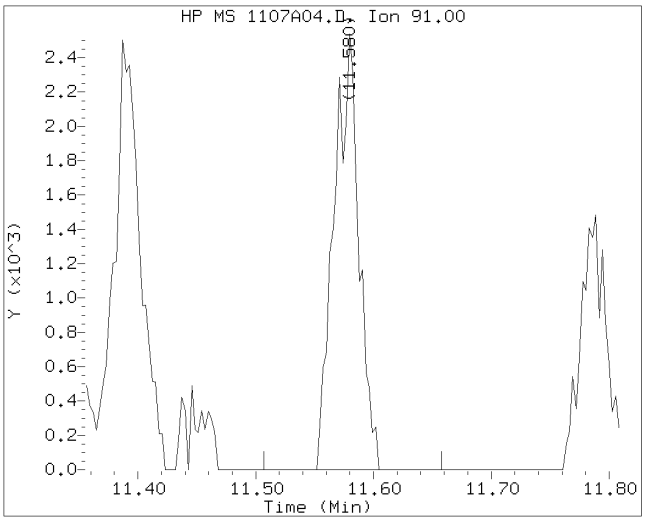
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 92: 4-chorotoluene

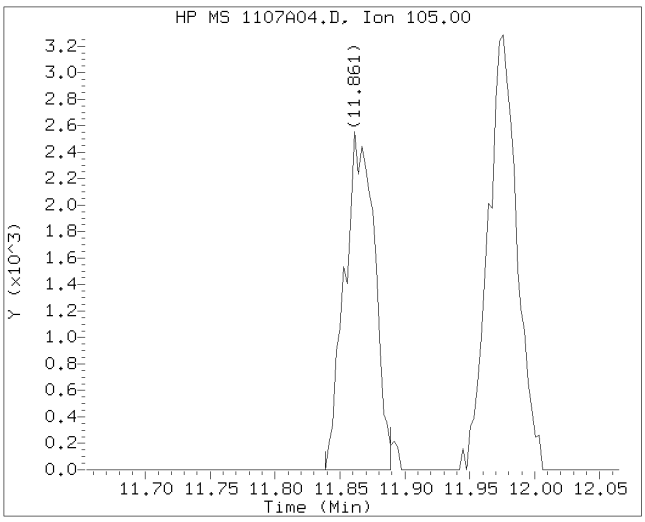


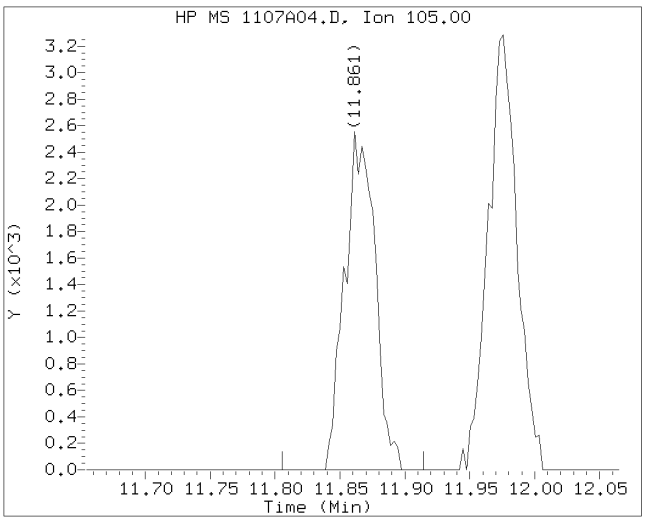


Original Peak Response = 2366 Manual Peak Response = 3733 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 94: 1,2,4-trimethylbenzene





Original Peak Response = 4073 Manual Peak Response = 4139 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

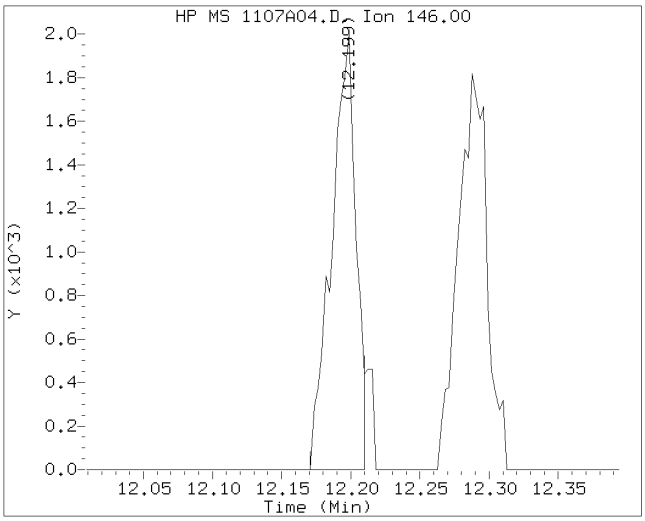
Alpha Analytical Labs

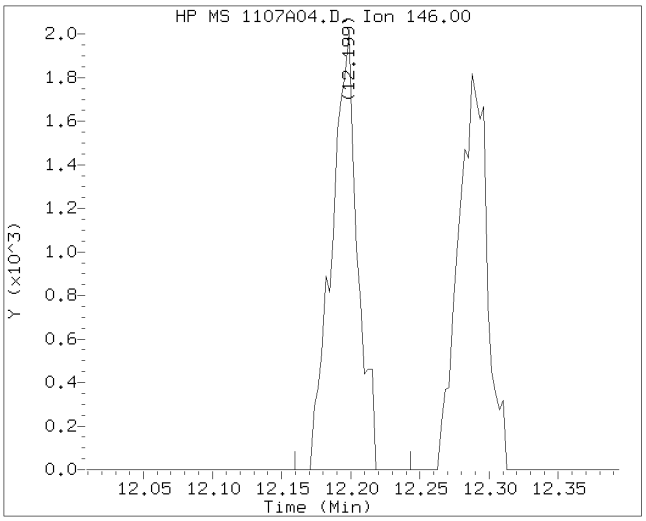
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 97: 1,3-dichlorobenzene

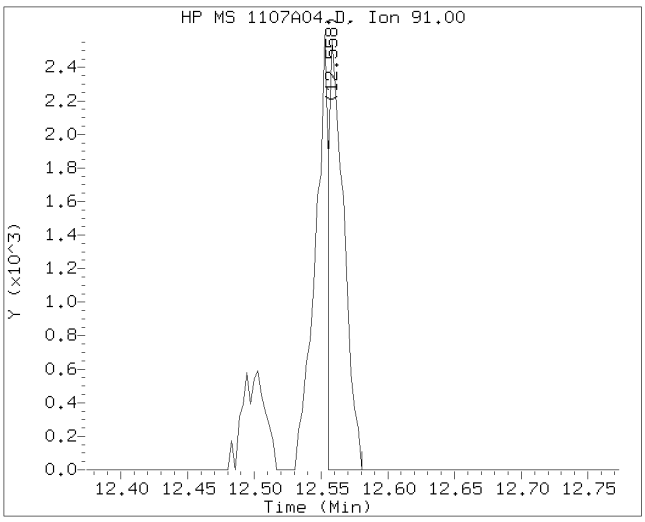


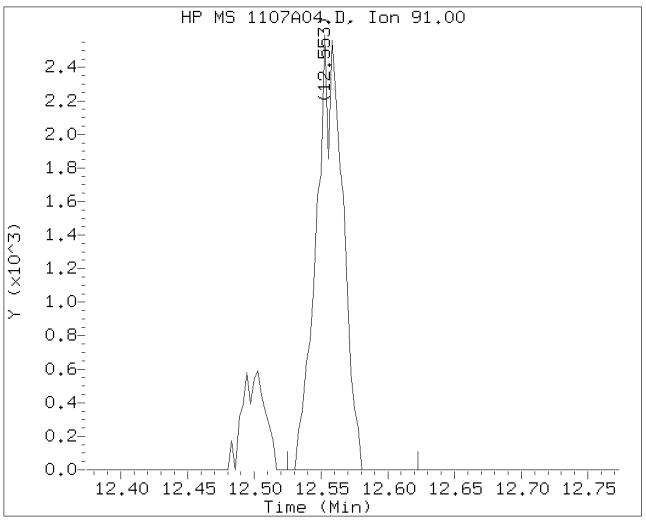


Original Peak Response = 2464 Manual Peak Response = 2618 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 101: n-butylbenzene





Original Peak Response = 2066 Manual Peak Response = 3589 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

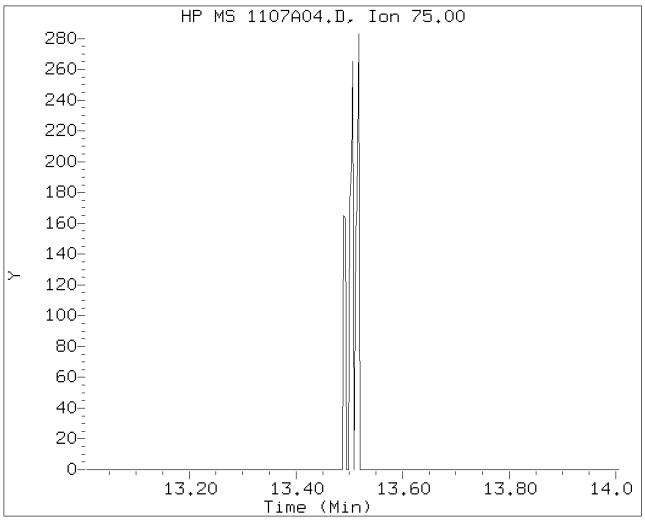
Alpha Analytical Labs

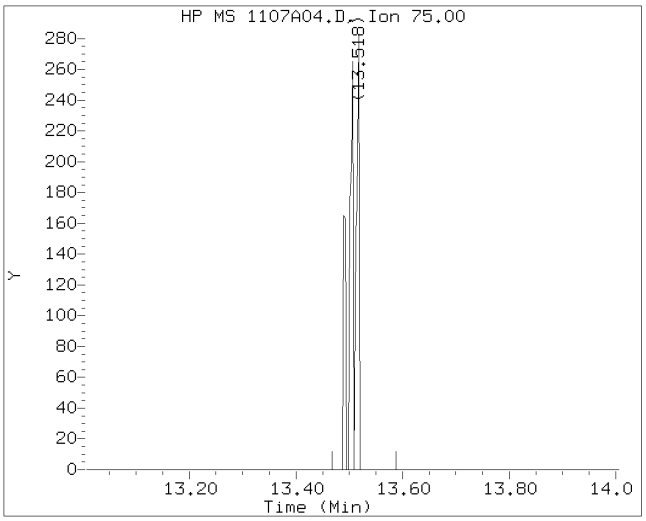
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 104: 1,2-dibromo-3-chloropropane

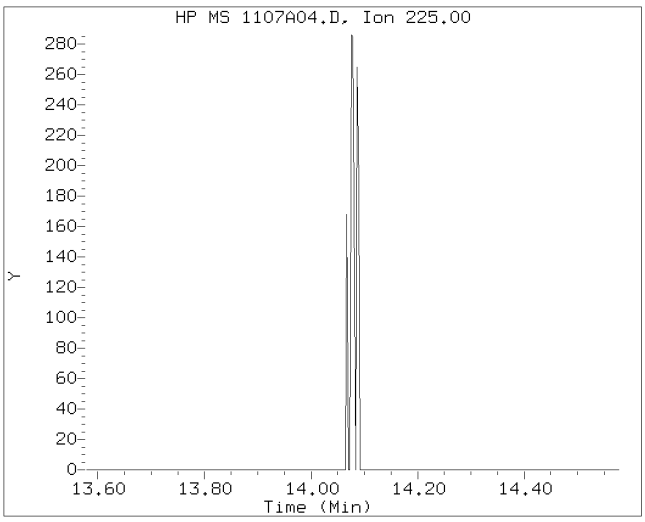


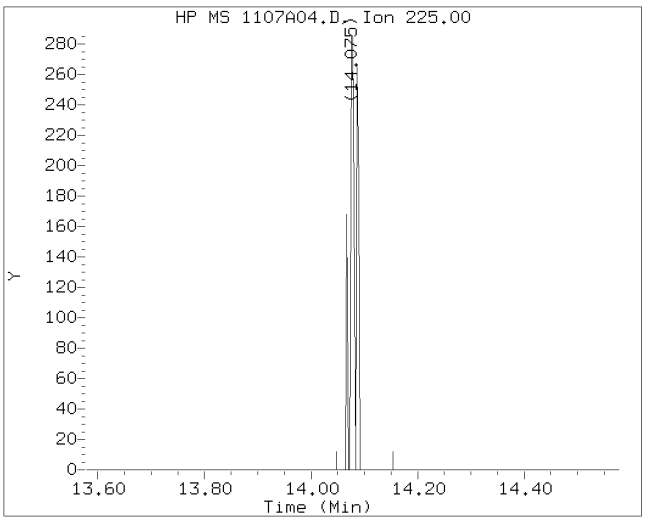


Original Peak Response = 0 Manual Peak Response = 263 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 106: hexachlorobutadiene





Original Peak Response = 0 Manual Peak Response = 228 M2

M2 = Peak not found by automatic integration algorithm.

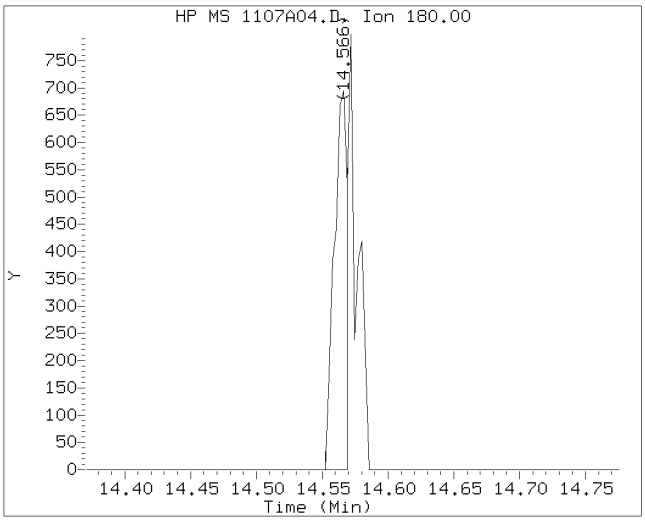
Alpha Analytical Labs

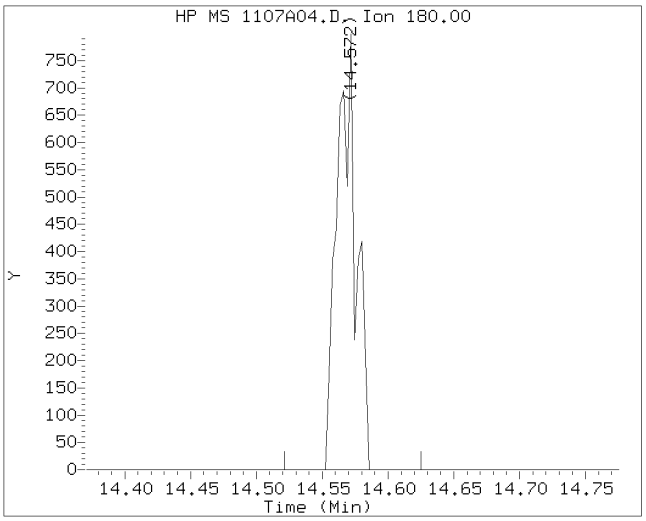
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A04.D
Injection Date : 07-NOV-2015 19:36
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 109: 1,2,3-trichlorobenzene

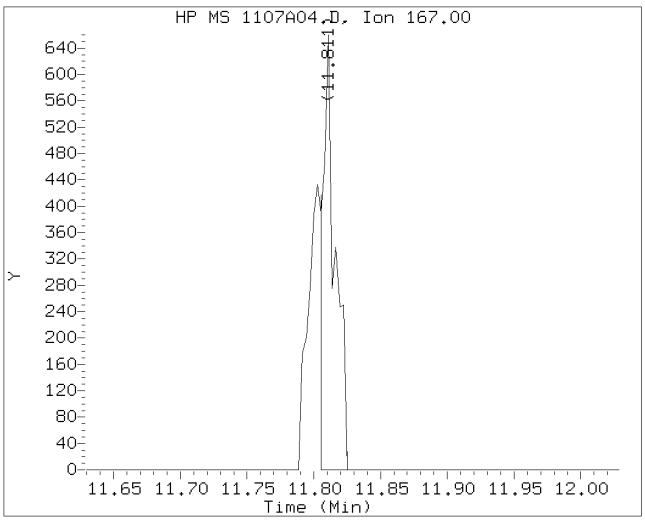


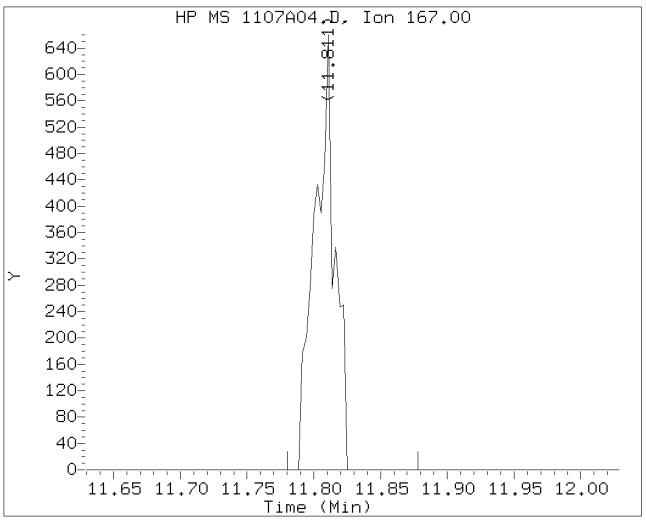


Original Peak Response = 482 Manual Peak Response = 824 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 188: Pentachloroethane





Original Peak Response = 439 Manual Peak Response = 686 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A05.D
Lab Smp Id:
Inj Date : 07-NOV-2015 20:05
Operator : PD Inst ID: Voa108.i
Smp Info : wg838608-4, ical l2
Misc Info : wg838608,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\liq8260C.m
Meth Date : 08-Nov-2015 13:44 Voa108.i Quant Type: ISTD
Cal Date : 07-NOV-2015 19:36 Cal File: 1107A04.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve+acro.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	1.657	1.657	(0.274)	4617	20.0000	20.587	
2	chloromethane	50	1.844	1.844	(0.304)	5177	20.0000	22.604(M)	M1
3	vinyl chloride	62	1.928	1.928	(0.318)	6603	20.0000	22.407(Q)	
4	bromomethane	94	2.240	2.240	(0.370)	3791	20.0000	38.511(Q)	
5	chloroethane	64	2.360	2.360	(0.390)	7133	20.0000	23.091(M)	M1
6	trichlorofluoromethane	101	2.499	2.499	(0.413)	15077	20.0000	21.144(Q)	
7	ethyl ether	74	2.806	2.806	(0.463)	4633	20.0000	20.252(Q)	
9	1,1,-dichloroethene	96	2.993	2.993	(0.494)	8483	20.0000	21.307	
10	carbon disulfide	76	3.018	3.018	(0.498)	24585	20.0000	20.797	
11	freon-113	101	3.032	3.032	(0.501)	8474	20.0000	20.943(M)	M1
12	iodomethane	142	3.130	3.130	(0.517)	4298	20.0000	28.423(M)	M1
15	methylene chloride	84	3.559	3.559	(0.588)	5107	20.0000	20.622(QM)	M1
16	acetone	43	3.609	3.609	(0.596)	2345	20.0000	20.257(M)	M2
17	trans-1,2-dichloroethene	96	3.701	3.701	(0.611)	5085	20.0000	20.721(Q)	
18	Methyl Acetate	43	3.729	3.729	(0.616)	1959	20.0000	18.974(M)	M2
13	acrolein	56	3.328	3.328	(0.549)	168	20.0000	14.060(M)	M2
19	methyl tert butyl ether	73	3.813	3.813	(0.629)	10588	20.0000	18.902(M)	M1
20	Tert-Butyl Alcohol	59	3.908	3.908	(0.645)	1273	100.000	113.951	
21	Diisopropyl Ether	45	4.170	4.170	(0.688)	14091	20.0000	19.001(Q)	
22	1,1-dichloroethane	63	4.290	4.290	(0.708)	8657	20.0000	19.632	
23	halothane	117	4.348	4.348	(0.718)	3753	20.0000	19.215(M)	M1
24	acrylonitrile	53	4.354	4.354	(0.719)	1027	20.0000	17.982(QM)	M1
25	Ethyl-Tert-Butyl-Ether	59	4.513	4.513	(0.745)	11909	20.0000	17.805	
26	vinyl acetate	43	4.530	4.530	(0.748)	9451	20.0000	18.047(M)	M1
27	cis-1,2-dichloroethene	96	4.806	4.806	(0.793)	6062	20.0000	20.882(Q)	
28	2,2-dichloropropane	77	4.912	4.912	(0.811)	6865	20.0000	19.194(M)	M1
30	Cyclohexane	56	4.995	4.995	(0.825)	6550	20.0000	17.959(QM)	M1
29	bromochloromethane	128	5.001	5.001	(0.826)	2479	20.0000	18.056(QM)	M1

			QUANT SIG					AMOUNTS		
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	31	chloroform	83	5.076	5.076	(0.838)	9230	20.0000	19.380(QM)	M1
	32	Ethyl Acetate	43	5.190	5.190	(0.857)	3377	20.0000	19.913(M)	M1
	33	carbontetrachloride	117	5.202	5.202	(0.859)	7560	20.0000	19.992(QM)	M1
	35	tetrahydrofuran	42	5.232	5.232	(0.864)	814	20.0000	14.681(M)	M2
$	36	dibromofluoromethane	113	5.252	5.252	(0.867)	31083	100.000	98.164	
	37	1,1,1-trichloroethane	97	5.269	5.269	(0.870)	8290	20.0000	20.228(QM)	M1
	38	2-butanone	43	5.383	5.383	(0.889)	2242	20.0000	20.266(M)	M1
	39	1,1-dichloropropene	75	5.394	5.394	(0.890)	6596	20.0000	19.837(QM)	M1
	40	benzene	78	5.642	5.642	(0.931)	20523	20.0000	20.040(M)	M1
	41	Tertiary-Amyl Methyl Ether	73	5.748	5.748	(0.949)	10235	20.0000	17.267	
$	42	1,2-dichloroethane-d4	65	5.782	5.782	(0.954)	33784	100.000	98.395	
	43	1,2-dichloroethane	62	5.854	5.854	(0.966)	6185	20.0000	19.219	
*	46	flourobenzene	96	6.058	6.058	(1.000)	115807	100.000		
	47	methyl cyclohexane	83	6.214	6.214	(1.026)	7391	20.0000	18.498(M)	M1
	48	trichloroethene	95	6.225	6.225	(1.028)	5543	20.0000	19.240(Q)	
	50	dibromomethane	93	6.677	6.677	(1.102)	2934	20.0000	19.229(M)	M1
	52	1,2-dichloropropane	63	6.786	6.786	(1.120)	4891	20.0000	19.649(M)	M2
	53	bromodichloromethane	83	6.844	6.844	(1.130)	6658	20.0000	18.402(Q)	
	54	1,4-Dioxane	88	7.067	7.067	(1.167)	3644	4000.00	3093.613(QM)	M1
	56	2-Chloroethylvinyl ether	63	7.474	7.474	(1.234)	2417	20.0000	19.697(M)	M1
	57	cis-1,3-dichloropropene	75	7.541	7.541	(1.245)	6906	20.0000	17.324(QM)	M1
$	58	toluene-d8	98	7.745	7.745	(0.808)	115819	100.000	105.192	
	59	toluene	92	7.809	7.809	(0.814)	13156	20.0000	20.634(QM)	M1
	61	tetrachloroethene	166	8.238	8.238	(0.859)	5897	20.0000	20.895(QM)	M1
	60	4-methyl-2-pentanone	58	8.261	8.261	(1.364)	972	20.0000	15.892(QM)	M1
	62	trans-1,3-dichloropropene	75	8.294	8.294	(0.865)	5937	20.0000	18.179(M)	M1
	65	ethyl-methacrylate	69	8.481	8.481	(0.885)	4441	20.0000	17.134(M)	M1
	66	1,1,2-trichloroethane	83	8.470	8.470	(0.883)	3499	20.0000	20.665(M)	M1
	67	chlorodibromomethane	129	8.682	8.682	(0.905)	4463	20.0000	17.342(QM)	M1
	68	1,3-dichloropropane	76	8.805	8.805	(0.918)	6476	20.0000	19.728(M)	M1
	70	1,2-dibromoethane	107	8.963	8.963	(0.935)	3972	20.0000	19.738(M)	M2
	71	2-hexanone	43	9.262	9.262	(0.966)	1923	20.0000	19.070(M)	M2
*	72	chlorobenzene-d5	117	9.588	9.588	(1.000)	90254	100.000		
	73	chlorobenzene	112	9.605	9.605	(1.002)	14995	20.0000	19.596(QM)	M1
	74	ethyl benzene	91	9.649	9.649	(1.006)	25383	20.0000	19.795	
	75	1,1,1,2-tetrachloroethane	131	9.691	9.691	(1.011)	5084	20.0000	18.940(Q)	
	76	p/m xylene	106	9.831	9.831	(1.025)	19239	40.0000	36.331(M)	M1
	77	o xylene	106	10.372	10.372	(1.082)	18345	40.0000	35.573	
	78	styrene	104	10.439	10.439	(1.089)	29721	40.0000	35.504(M)	M1
	79	bromoform	173	10.461	10.461	(0.853)	2486	20.0000	18.713(M)	M2
	80	isopropylbenzene	105	10.748	10.748	(0.876)	25107	20.0000	20.492	
$	81	4-bromofluorobenzene	95	11.074	11.074	(0.903)	39824	100.000	106.945	
	82	bromobenzene	156	11.183	11.183	(0.912)	5851	20.0000	19.848(Q)	
	83	n-propylbenzene	91	11.225	11.225	(0.915)	28182	20.0000	19.983(M)	M1
	84	1,4-dichloro-2-butane	55	11.250	11.250	(0.917)	6021	20.0000	20.119(M)	M1
	85	1,1,2,2,-tetrachloroethane	83	11.317	11.317	(0.922)	4519	20.0000	20.101(Q)	
	86	4-ethyltoluene	105	11.353	11.353	(0.925)	25084	20.0000	19.340	
	88	2-chlorotoluene	91	11.392	11.392	(0.929)	16847	20.0000	20.575	
	89	1,3,5-trimethybenzene	105	11.454	11.454	(0.934)	18887	20.0000	18.846	
	90	1,2,3-trichloropropane	75	11.459	11.459	(0.934)	3604	20.0000	20.274(QM)	M1
	91	trans-1,4-dichloro-2-butene	53	11.515	11.515	(0.939)	1011	20.0000	16.385(QM)	M1
	92	4-chorotoluene	91	11.574	11.574	(0.943)	16409	20.0000	19.790	
	93	tert-butylbenzene	119	11.786	11.786	(0.961)	19157	20.0000	18.916(Q)	
	94	1,2,4-trimethylbenzene	105	11.864	11.864	(0.967)	18313	20.0000	19.345(Q)	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	95 sec-butylbenzene	105	11.975	11.975	(0.976)	23152	20.0000	19.516	
	96 p-isopropyltoluene	119	12.129	12.129	(0.989)	18343	20.0000	18.415	
	97 1,3-dichlorobenzene	146	12.193	12.193	(0.994)	11168	20.0000	19.403(Q)	
*	98 1,4-dichlorobenzene-d4	152	12.268	12.268	(1.000)	46053	100.000		
	99 1,4-dichlorobenzene	146	12.285	12.285	(1.001)	11314	20.0000	19.615(Q)	
	100 p-Diethylbenzene	119	12.497	12.497	(1.019)	10832	20.0000	17.982	
	101 n-butylbenzene	91	12.555	12.555	(1.023)	15346	20.0000	18.724(Q)	
	102 1,2-dichlorobenzene	146	12.706	12.706	(1.036)	9756	20.0000	19.015	
	103 1,2,4,5-tetramethylbenzene	119	13.286	13.286	(1.083)	14981	20.0000	17.616	
	104 1,2-dibromo-3-chloropropane	75	13.501	13.501	(1.100)	1407	20.0000	17.832(QM)	M1
	105 1,3,5-trichlorobenzene	180	13.509	13.509	(1.101)	5417	20.0000	19.077(QM)	M1
	106 hexachlorobutadiene	225	14.072	14.072	(1.147)	1764	20.0000	21.911(QM)	M1
	107 1,2,4-trichlorobenzene	180	14.103	14.103	(1.150)	3843	20.0000	16.634(Q)	
	108 naphthalene	128	14.404	14.404	(1.174)	9674	20.0000	17.348	
	109 1,2,3-trichlorobenzene	180	14.569	14.569	(1.188)	3417	20.0000	17.305(Q)	
	188 Pentachloroethane	167	11.808	11.808	(0.962)	3295	20.0000	18.521(Q)	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Calibration Date: 08-NOV-2015
Lab File ID: 1107A05.D
Calibration Time: 01:46
Lab Smp Id:
Analysis Type: VOA
Level: LOW
Quant Type: ISTD
Sample Type: WATER
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\liq8260C.m
Misc Info: wg838608,ical

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

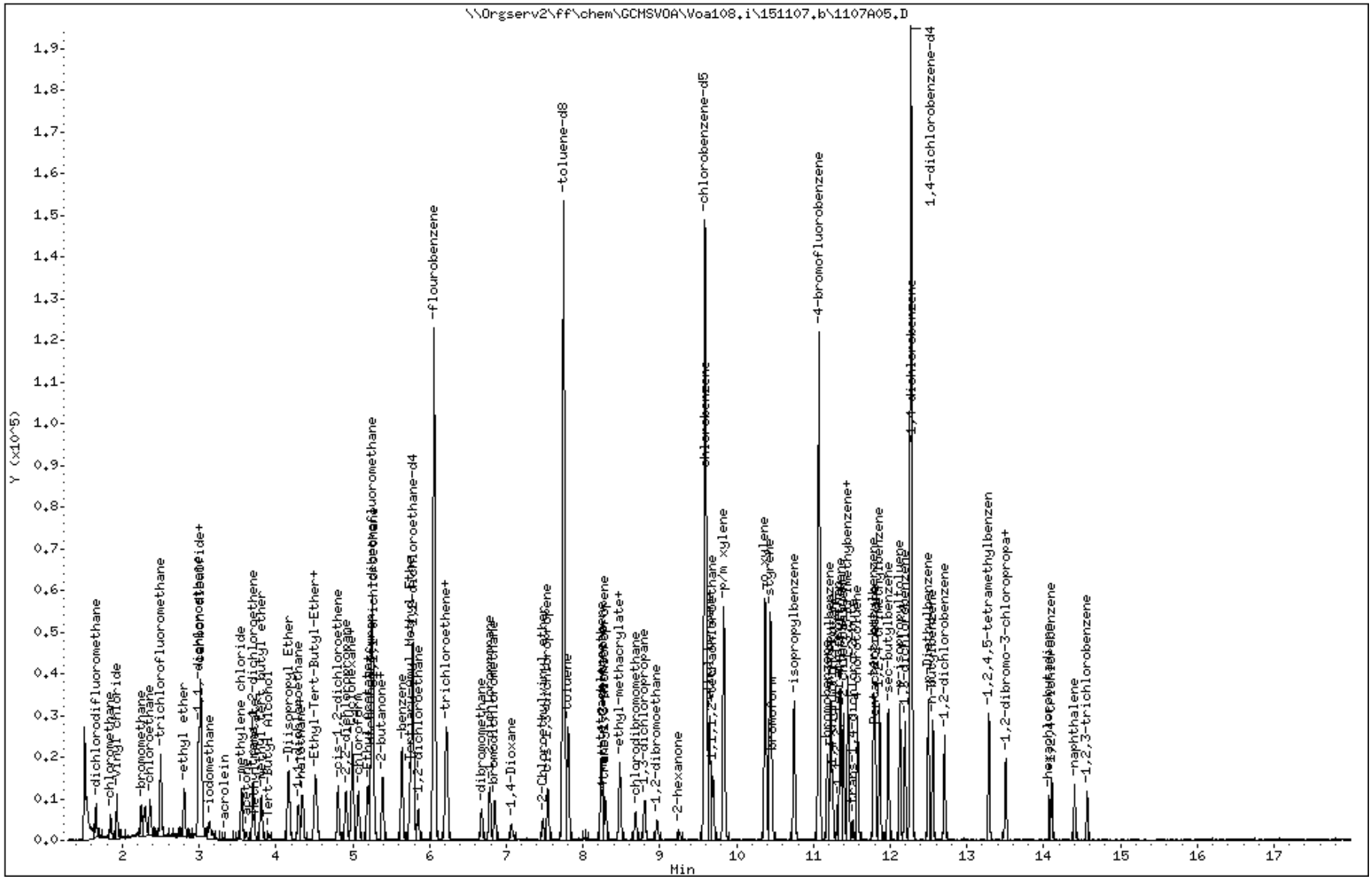
		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
46 flourobenzene	119738	59869	239476	115807	-3.28
72 chlorobenzene-d5	96275	48138	192550	90254	-6.25
98 1,4-dichlorobenze	50723	25362	101446	46053	-9.21

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
46 flourobenzene	6.06	5.56	6.56	6.06	-0.05
72 chlorobenzene-d5	9.59	9.09	10.09	9.59	0.03
98 1,4-dichlorobenze	12.27	11.77	12.77	12.27	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A05.D
Date : 07-NOV-2015 20:05
Client ID:
Sample Info: wg838608-4, ical l2
Purge Volume: 10.0
Column phase:

Instrument: Voa108.i
Operator: PD
Column diameter: 0.18



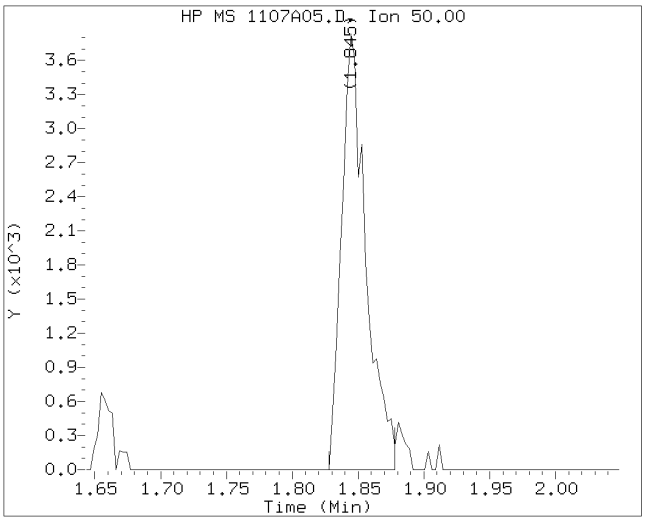
Alpha Analytical Labs

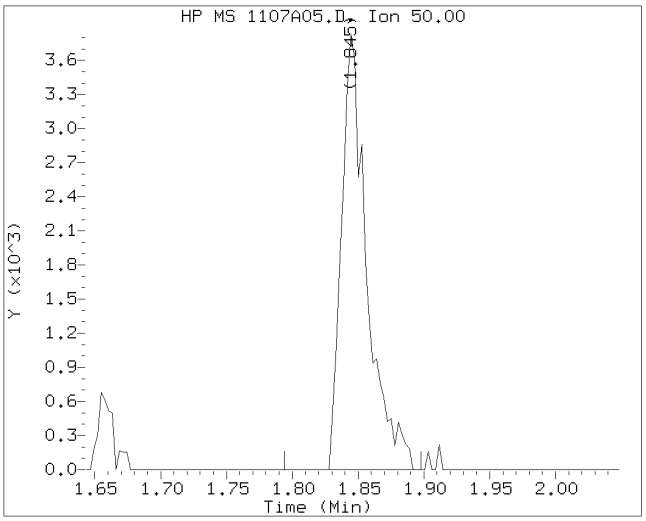
Manual Integration

Sample Info : wg838608-4, ical l2
wg838608,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A05.D
Injection Date : 07-NOV-2015 20:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 2: chloromethane

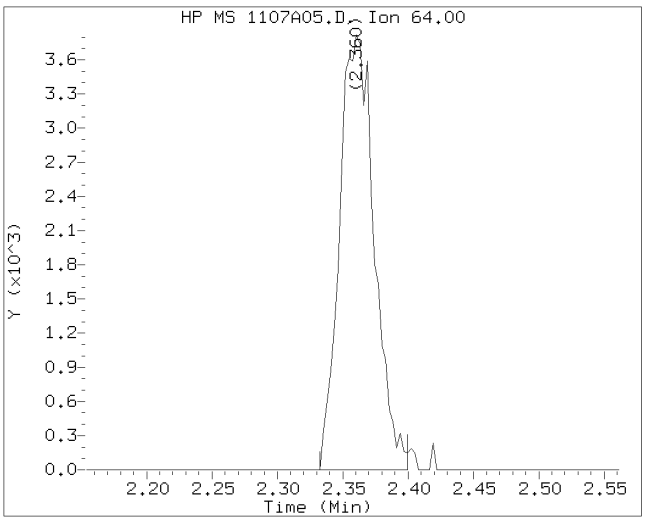


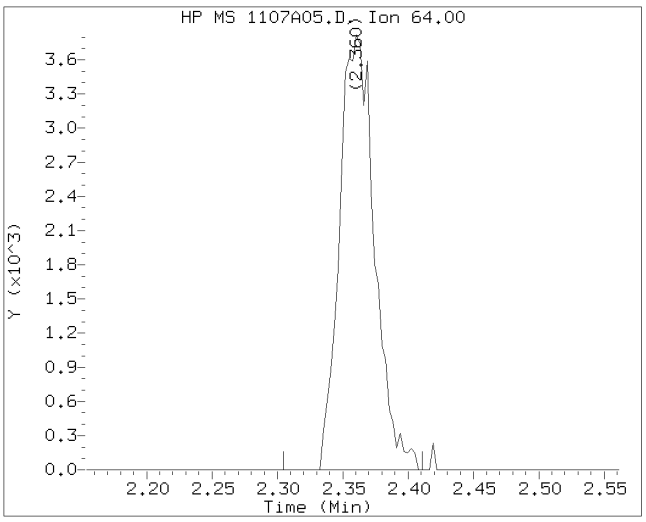


Original Peak Response = 4988 Manual Peak Response = 5177 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 5: chloroethane





Original Peak Response = 7075 Manual Peak Response = 7133 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

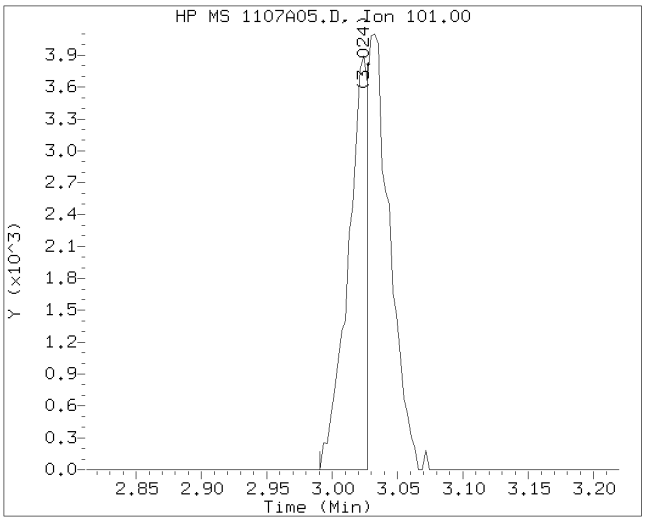
Alpha Analytical Labs

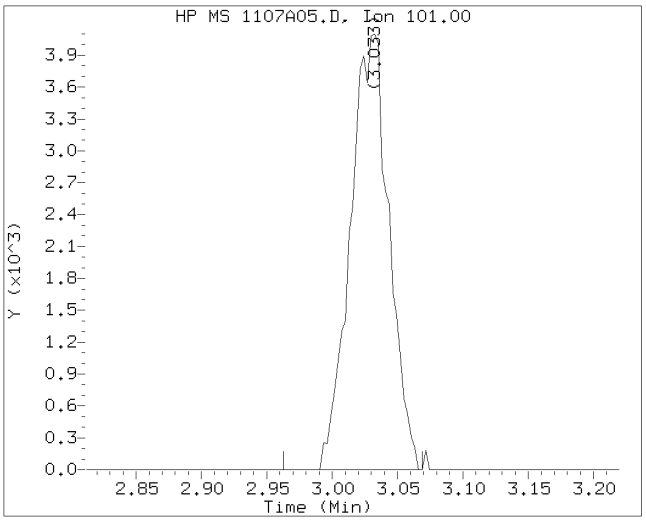
Manual Integration

Sample Info : ICAL L2
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A05.D
Injection Date : 07-NOV-2015 20:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 11: freon-113

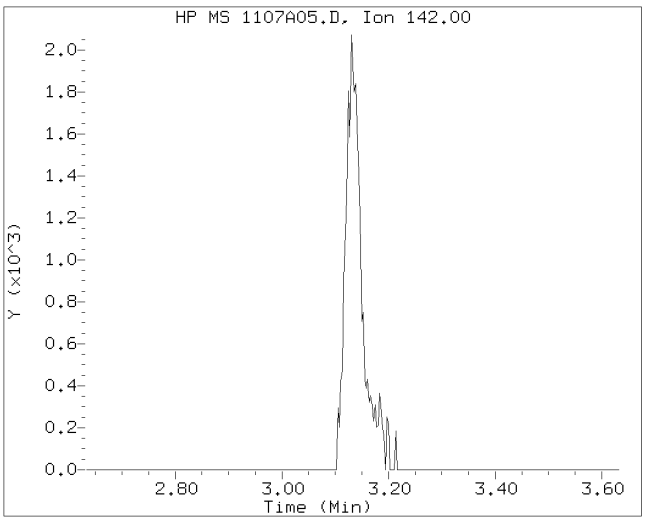


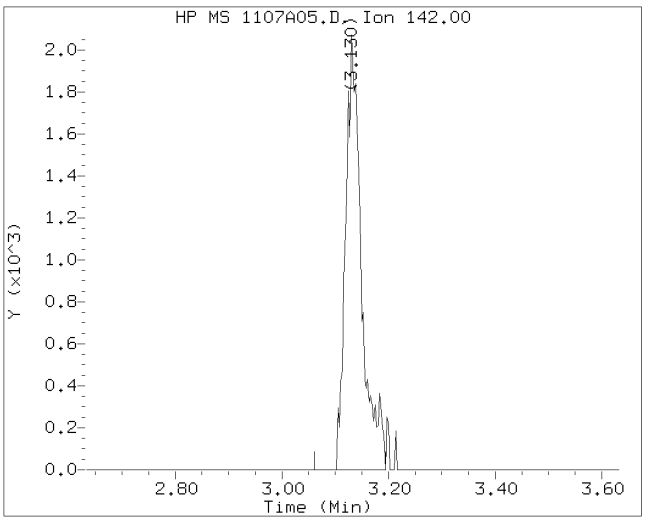


Original Peak Response = 4118 Manual Peak Response = 8474 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 12: iodomethane





Original Peak Response = 0 Manual Peak Response = 4298 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

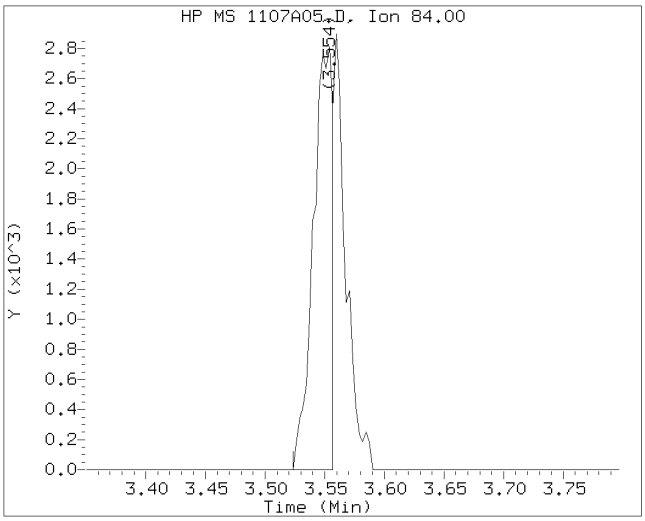
Alpha Analytical Labs

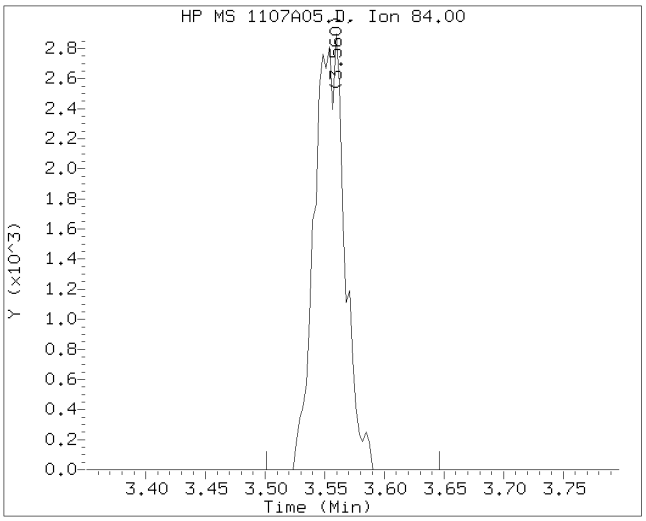
Manual Integration

Sample Info : ICAL L2
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A05.D
Injection Date : 07-NOV-2015 20:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 15: methylene chloride

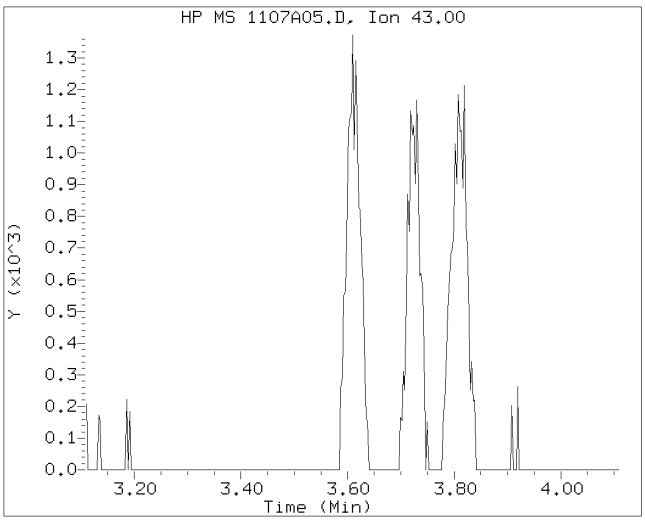


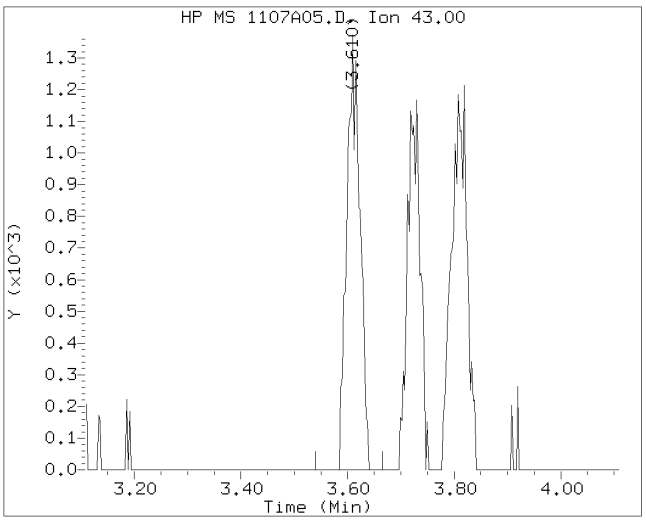


Original Peak Response = 3198 Manual Peak Response = 5107 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 16: acetone





Original Peak Response = 0 Manual Peak Response = 2345 M2

M2 = Peak not found by automatic integration algorithm.

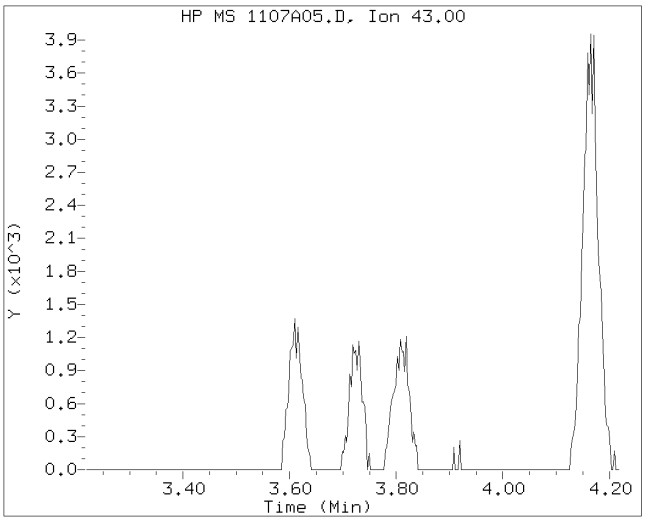
Alpha Analytical Labs

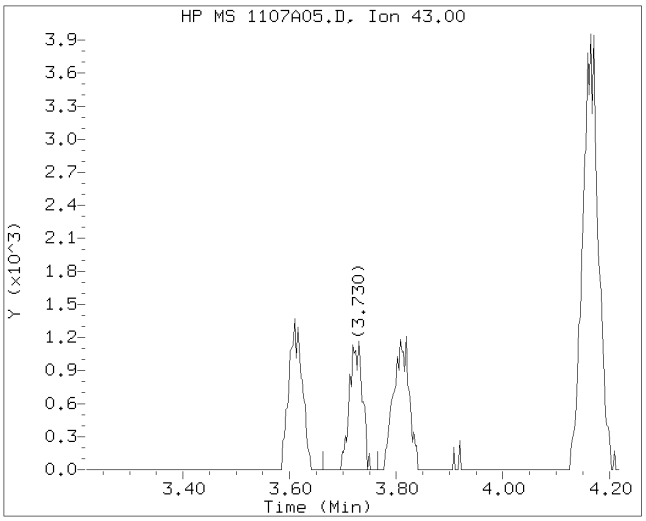
Manual Integration

Sample Info : ICAL L2
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A05.D
Injection Date : 07-NOV-2015 20:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 18: Methyl Acetate

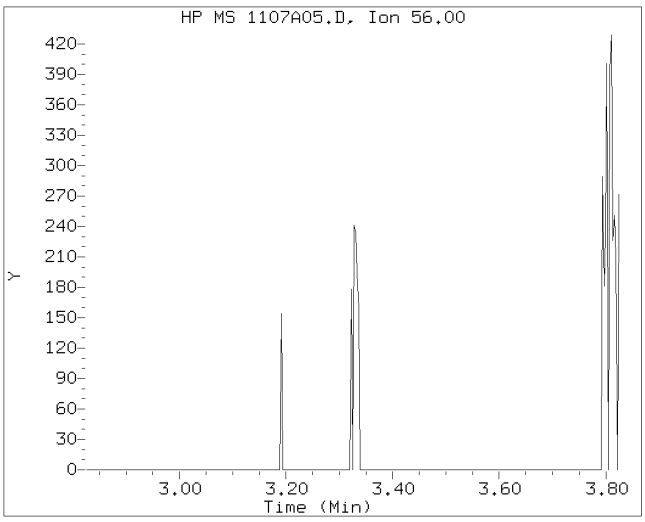


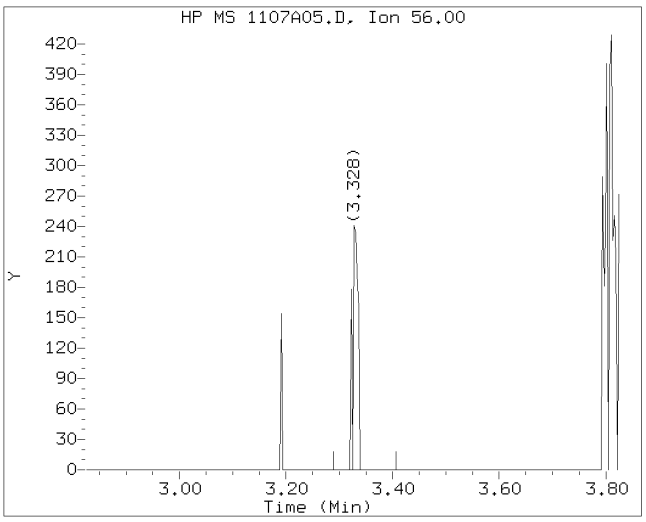


Original Peak Response = 0 Manual Peak Response = 1959 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 13: acrolein





Original Peak Response = 0 Manual Peak Response = 168 M2

M2 = Peak not found by automatic integration algorithm.

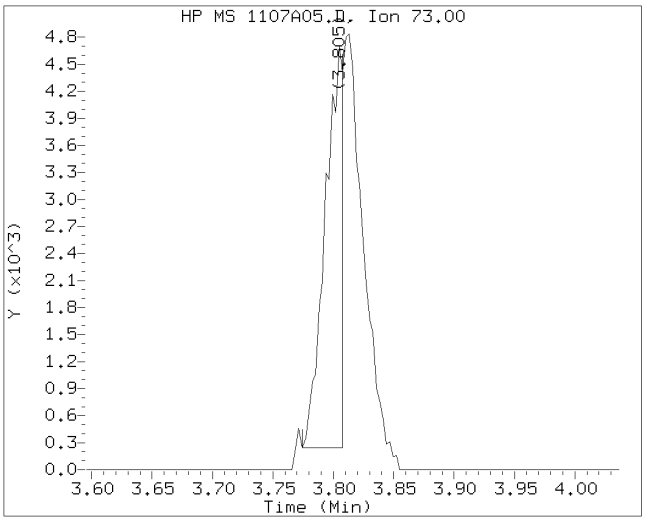
Alpha Analytical Labs

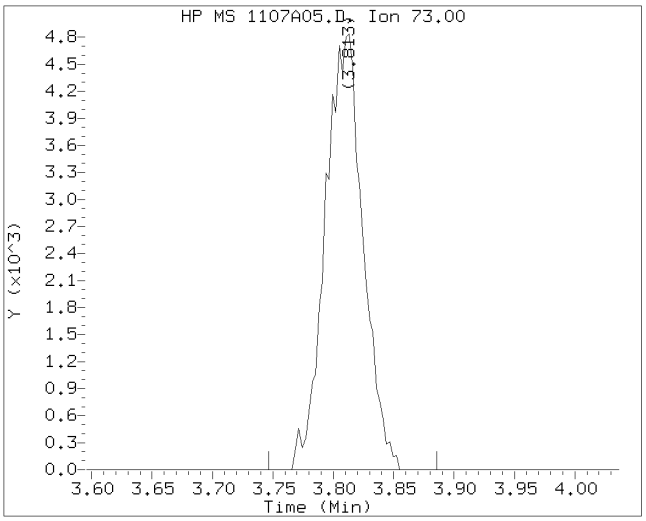
Manual Integration

Sample Info : ICAL L2
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A05.D
Injection Date : 07-NOV-2015 20:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 19: methyl tert butyl ether

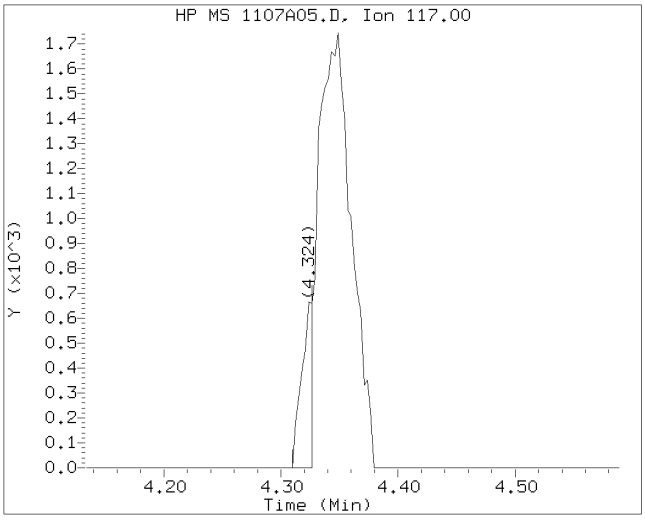


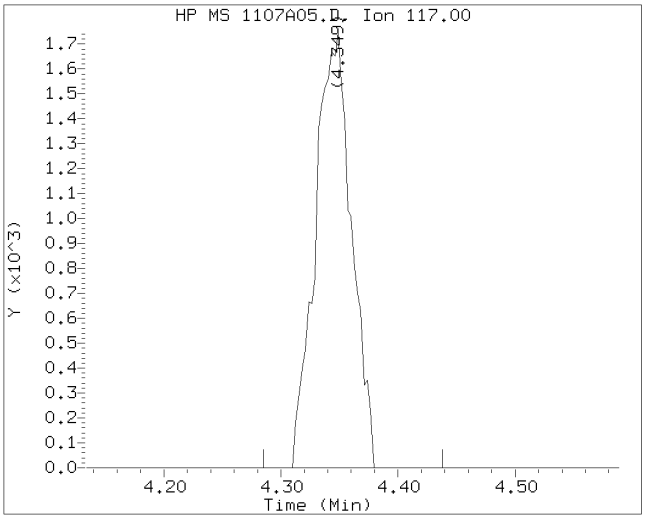


Original Peak Response = 4647 Manual Peak Response = 10588 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 23: halothane





Original Peak Response = 447 Manual Peak Response = 3753 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

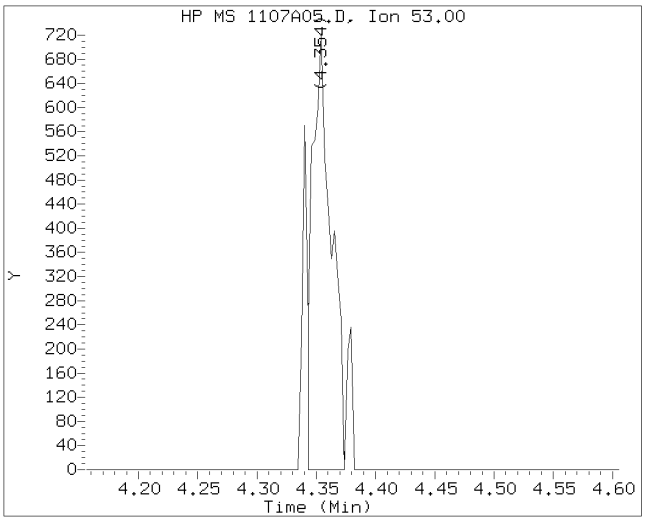
Alpha Analytical Labs

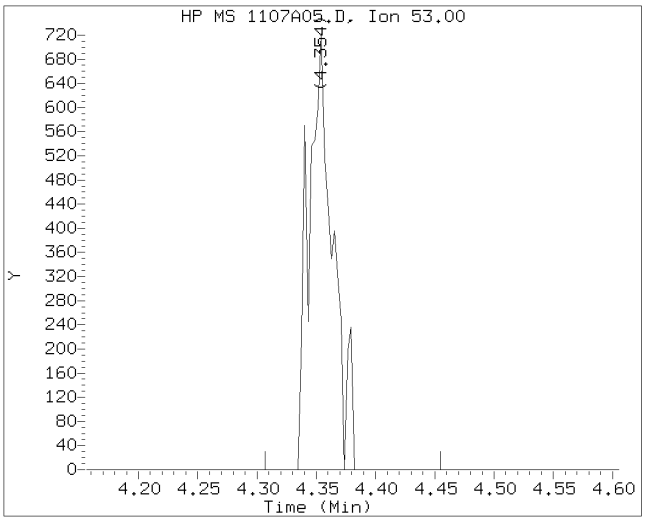
Manual Integration

Sample Info : ICAL L2
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A05.D
Injection Date : 07-NOV-2015 20:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 24: acrylonitrile

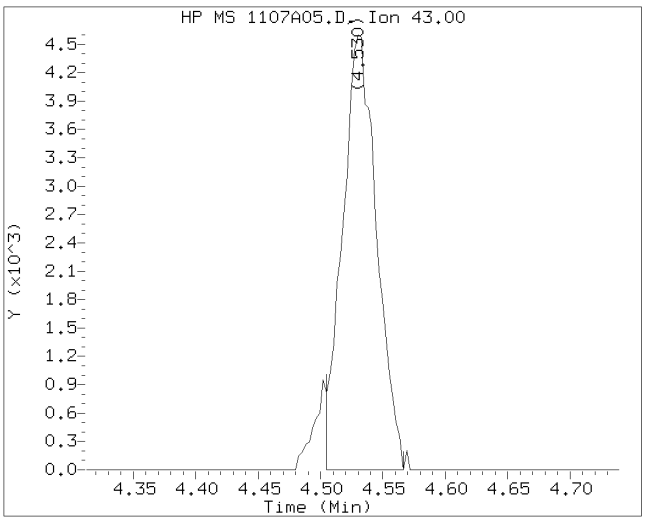


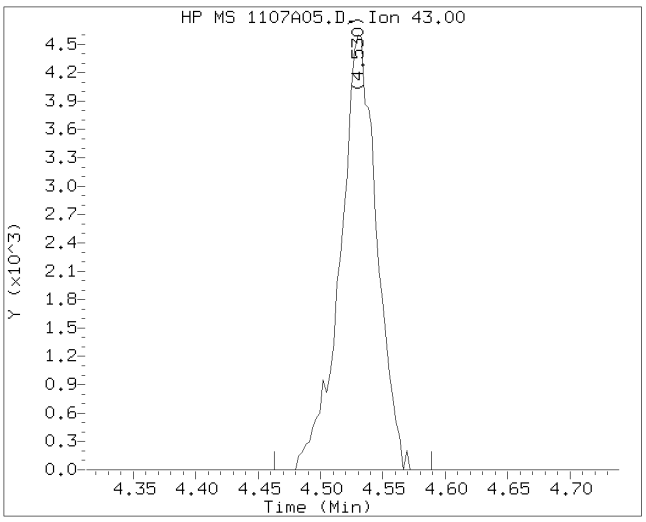


Original Peak Response = 822 Manual Peak Response = 1027 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 26: vinyl acetate





Original Peak Response = 8841 Manual Peak Response = 9451 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

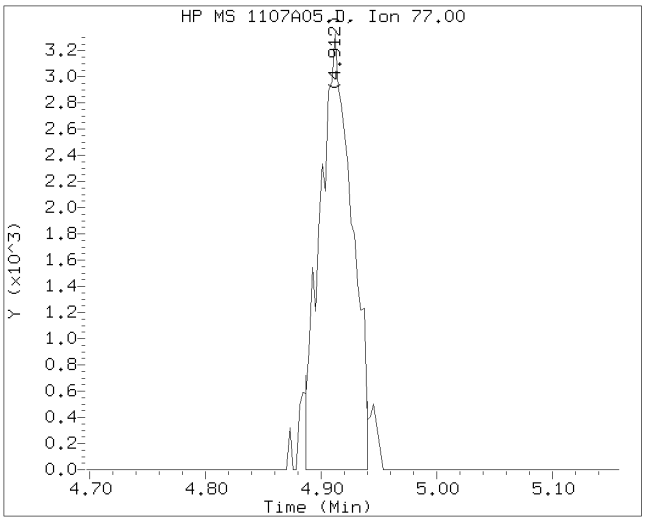
Alpha Analytical Labs

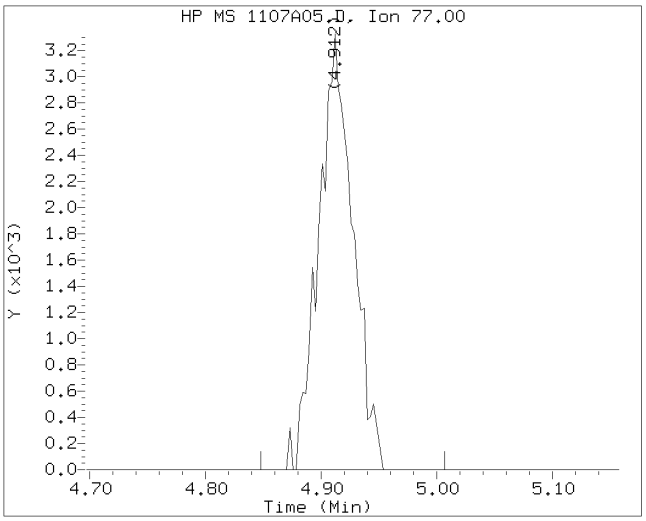
Manual Integration

Sample Info : ICAL L2
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A05.D
Injection Date : 07-NOV-2015 20:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 28: 2,2-dichloropropane

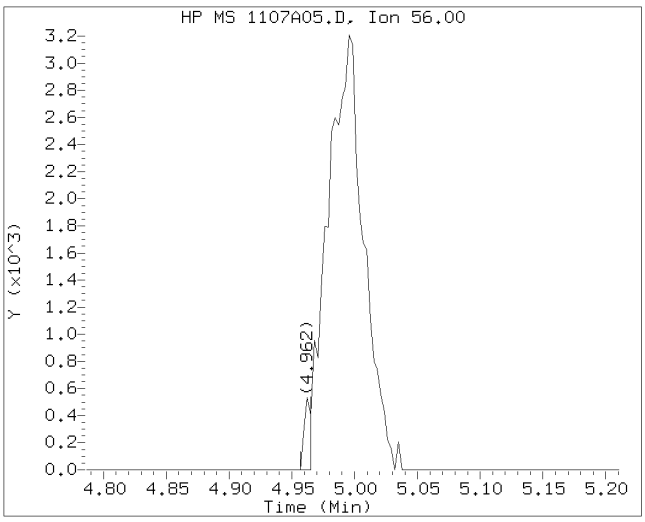


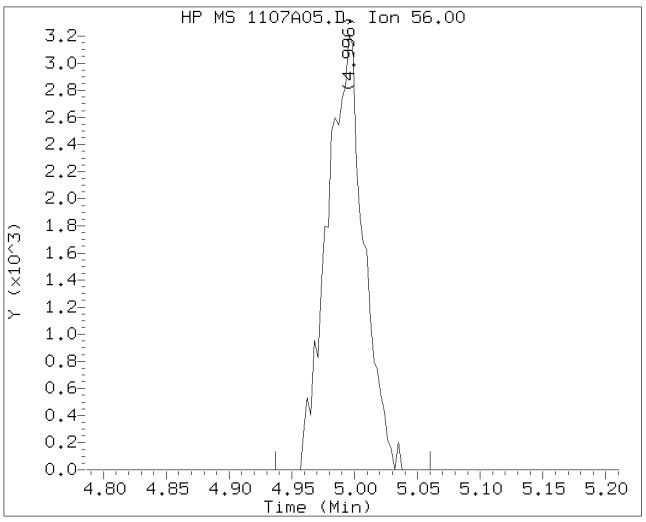


Original Peak Response = 6398 Manual Peak Response = 6865 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 30: Cyclohexane





Original Peak Response = 209 Manual Peak Response = 6550 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

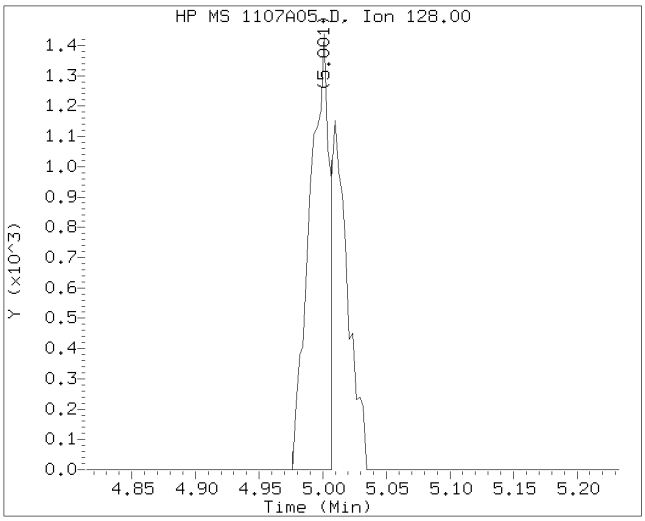
Alpha Analytical Labs

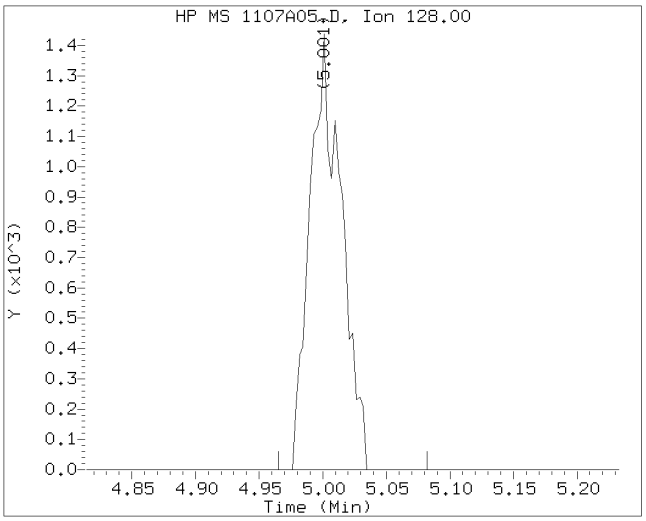
Manual Integration

Sample Info : ICAL L2
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A05.D
Injection Date : 07-NOV-2015 20:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 29: bromochloromethane

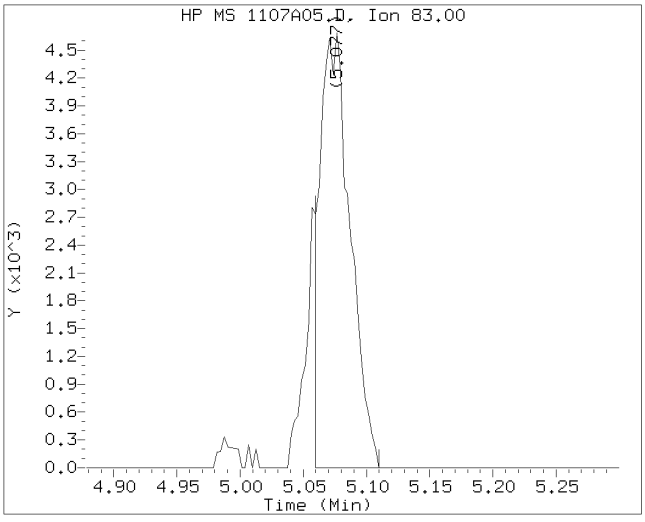


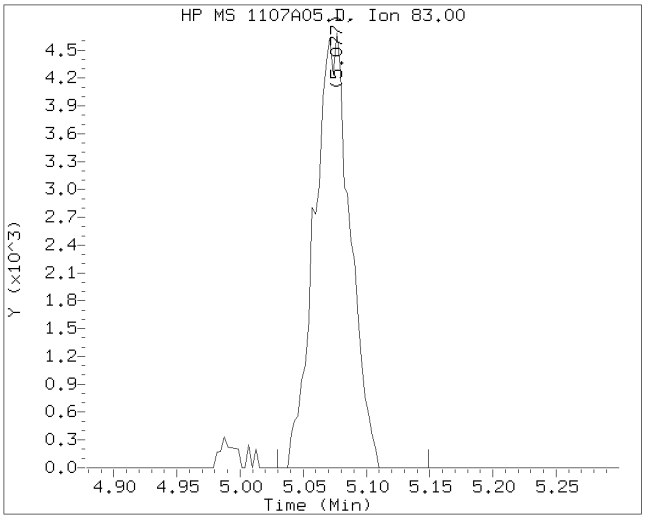


Original Peak Response = 1584 Manual Peak Response = 2479 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 31: chloroform





Original Peak Response = 7914 Manual Peak Response = 9230 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

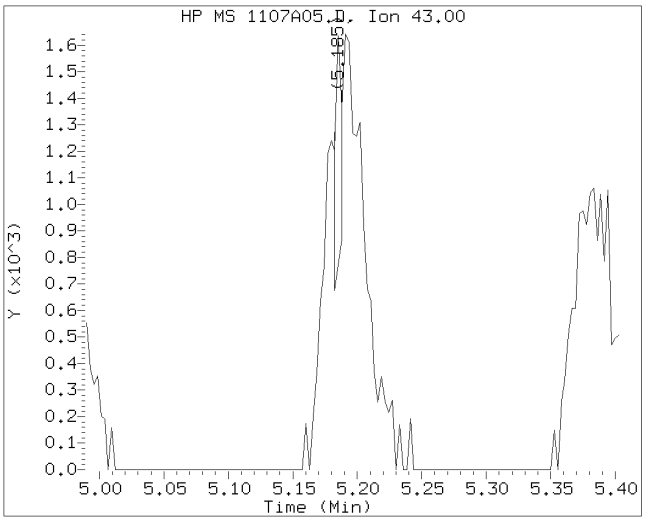
Alpha Analytical Labs

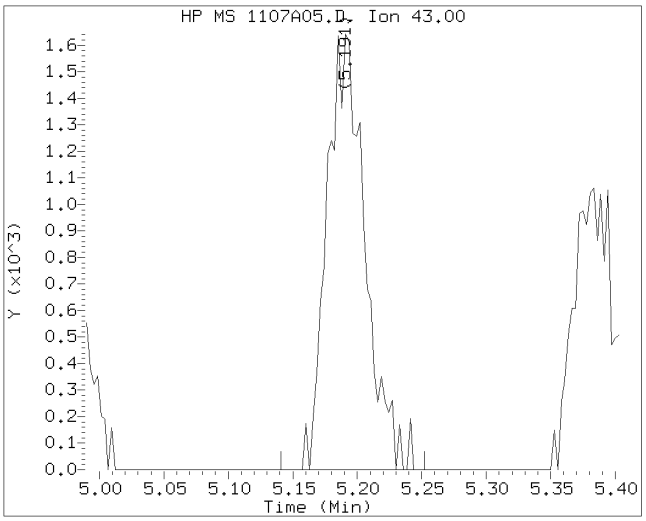
Manual Integration

Sample Info : ICAL L2
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A05.D
Injection Date : 07-NOV-2015 20:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 32: Ethyl Acetate

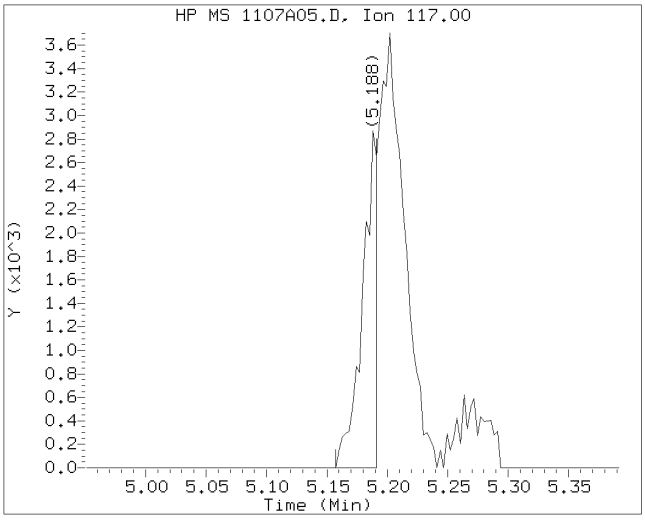


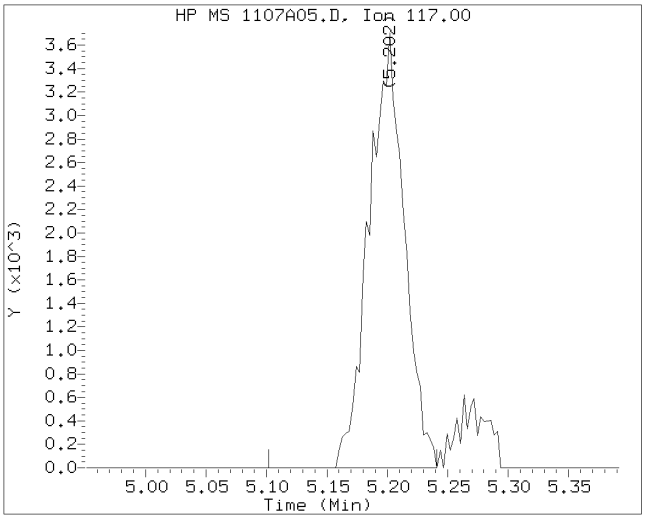


Original Peak Response = 315 Manual Peak Response = 3377 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 33: carbontetrachloride





Original Peak Response = 2422 Manual Peak Response = 7560 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

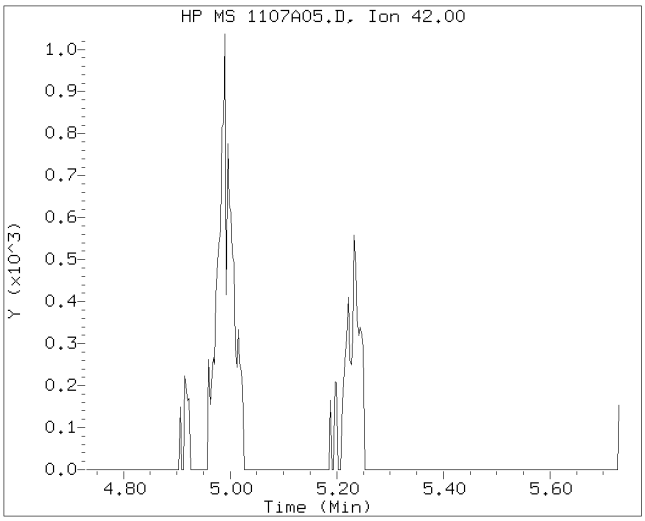
Alpha Analytical Labs

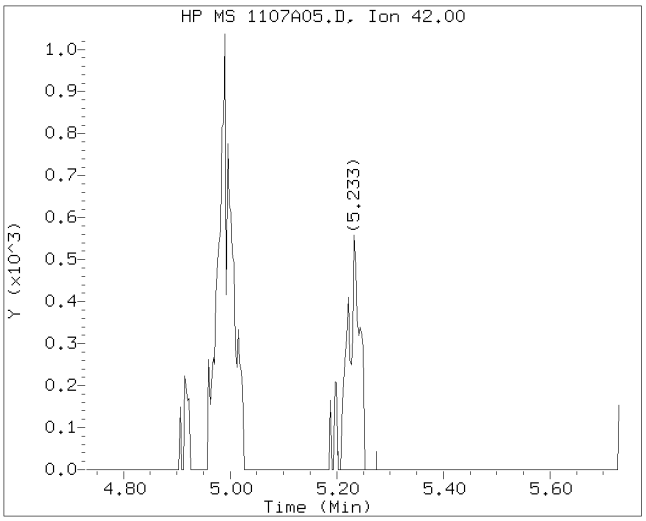
Manual Integration

Sample Info : ICAL L2
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A05.D
Injection Date : 07-NOV-2015 20:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 35: tetrahydrofuran

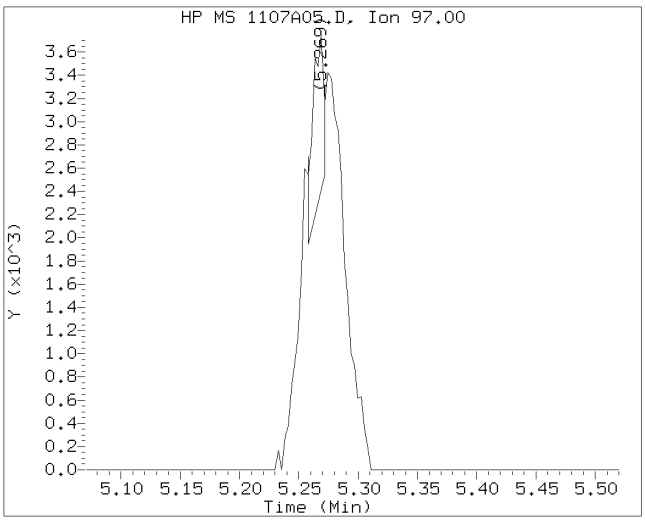


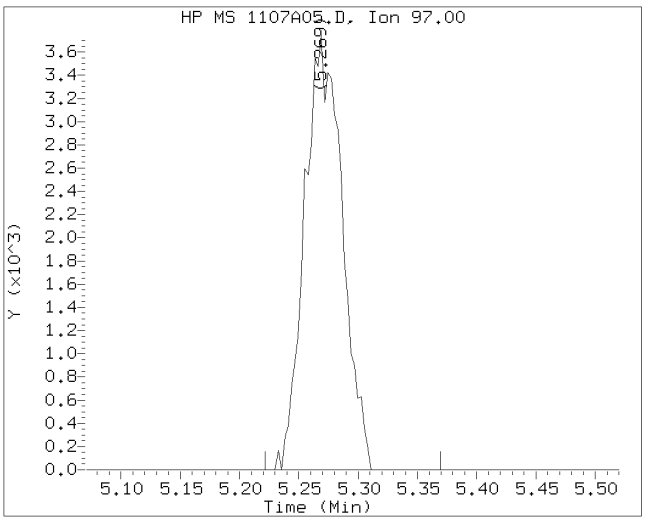


Original Peak Response = 0 Manual Peak Response = 814 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 37: 1,1,1-trichloroethane





Original Peak Response = 972 Manual Peak Response = 8290 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

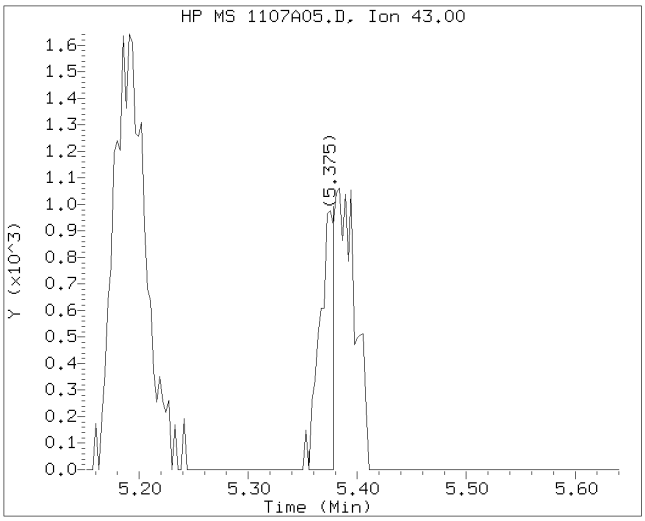
Alpha Analytical Labs

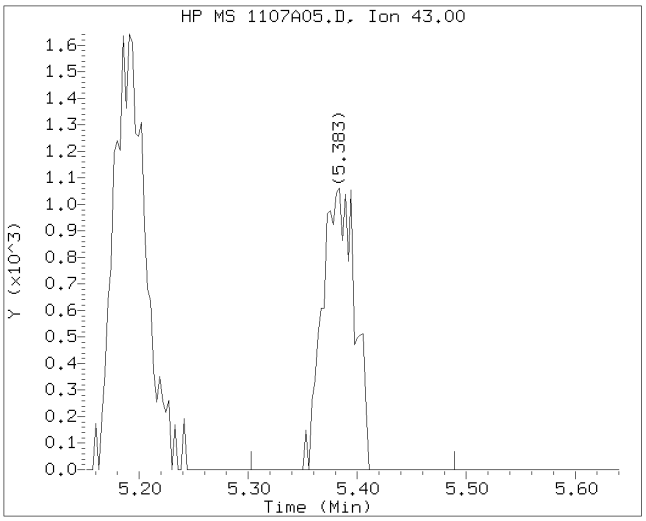
Manual Integration

Sample Info : ICAL L2
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A05.D
Injection Date : 07-NOV-2015 20:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 38: 2-butanone

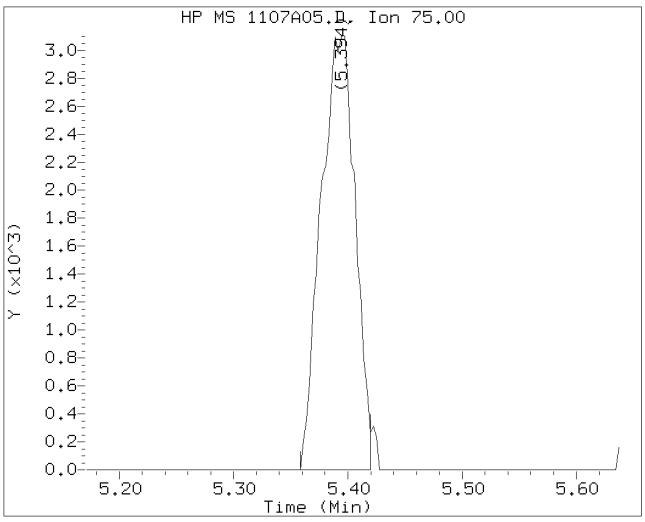


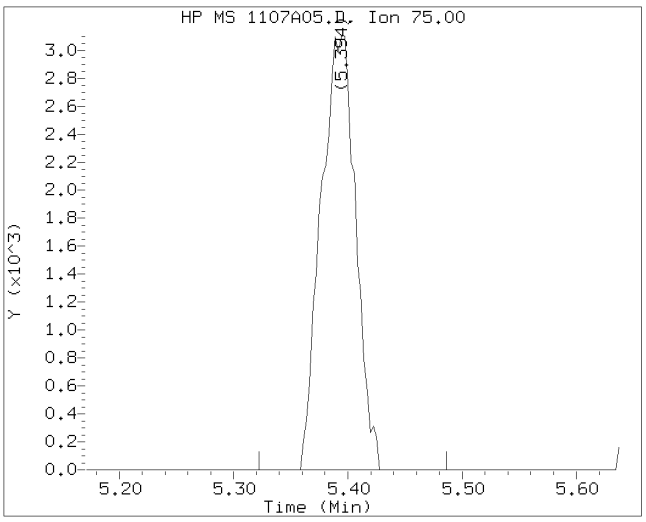


Original Peak Response = 867 Manual Peak Response = 2242 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 39: 1,1-dichloropropene





Original Peak Response = 6504 Manual Peak Response = 6596 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

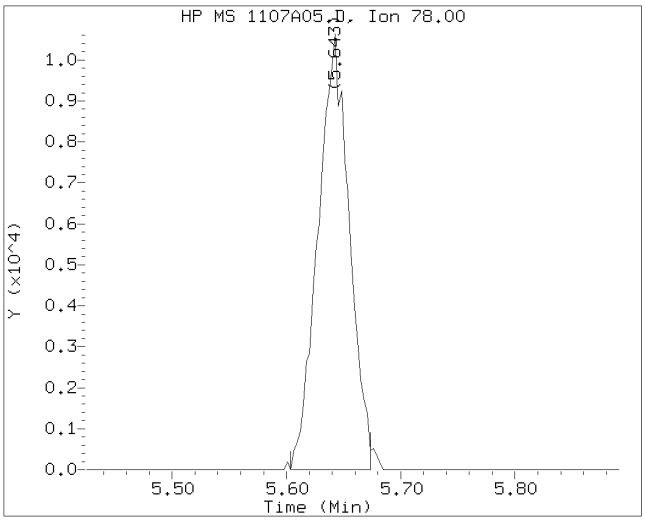
Alpha Analytical Labs

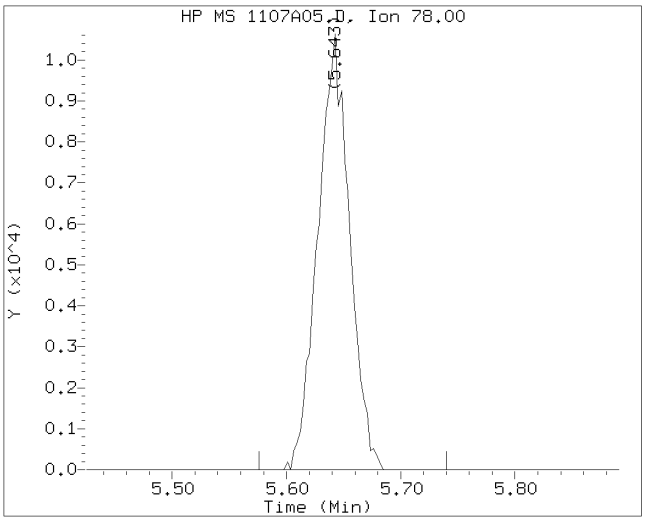
Manual Integration

Sample Info : ICAL L2
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A05.D
Injection Date : 07-NOV-2015 20:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 40: benzene

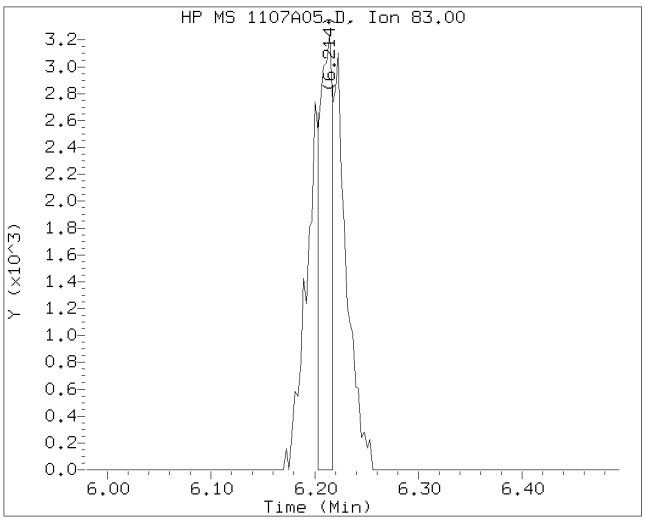


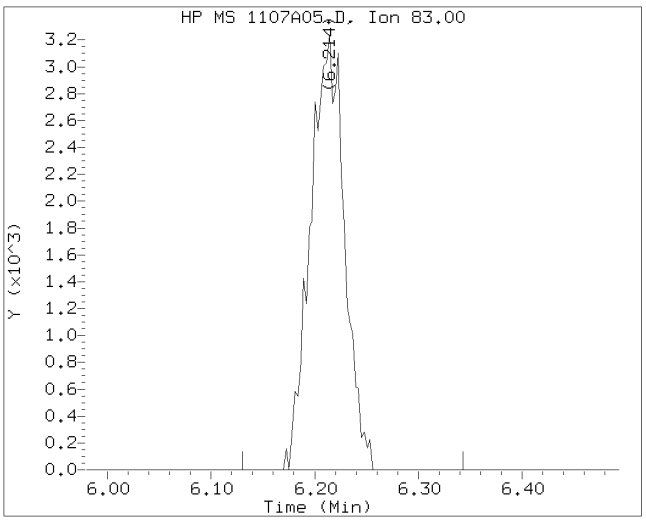


Original Peak Response = 20310 Manual Peak Response = 20523 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 47: methyl cyclohexane





Original Peak Response = 2896 Manual Peak Response = 7391 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

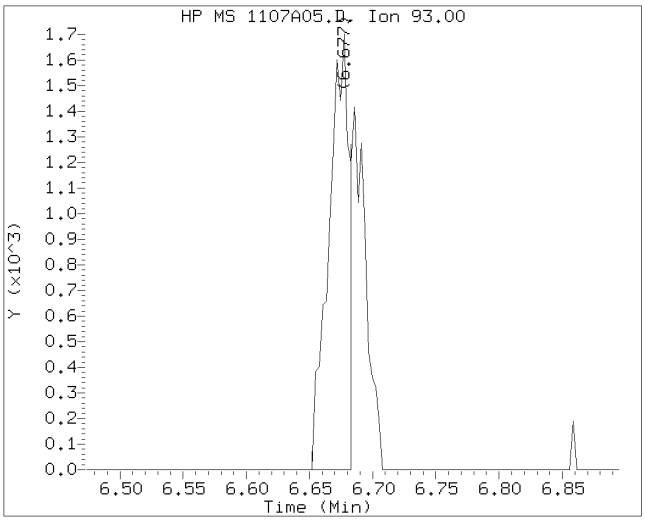
Alpha Analytical Labs

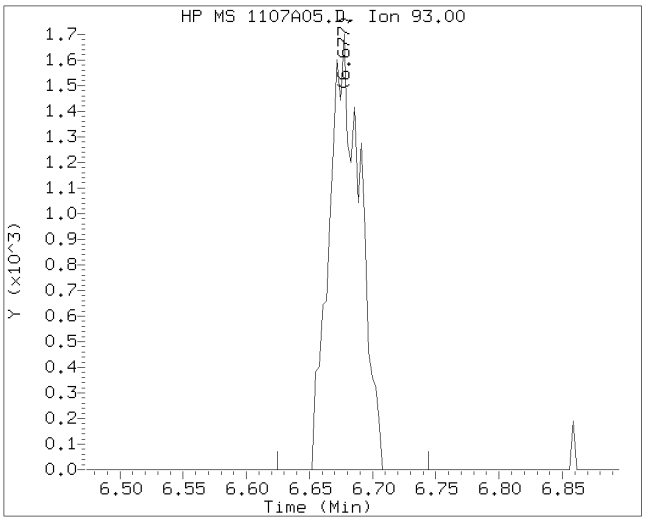
Manual Integration

Sample Info : ICAL L2
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A05.D
Injection Date : 07-NOV-2015 20:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 50: dibromomethane

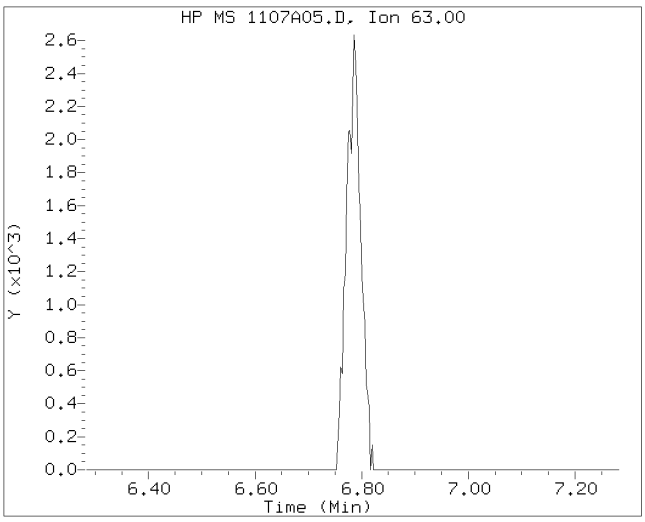


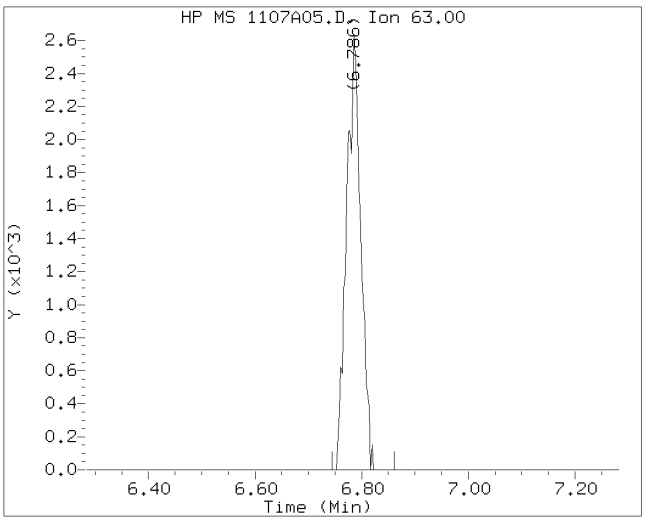


Original Peak Response = 1927 Manual Peak Response = 2934 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 52: 1,2-dichloropropane





Original Peak Response = 0 Manual Peak Response = 4891 M2

M2 = Peak not found by automatic integration algorithm.

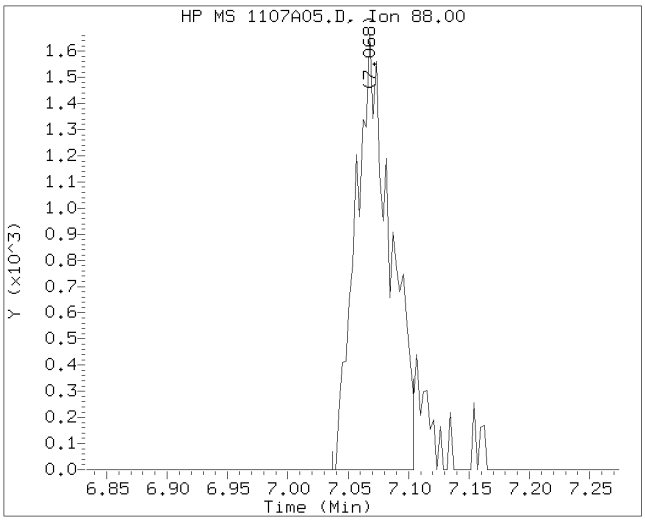
Alpha Analytical Labs

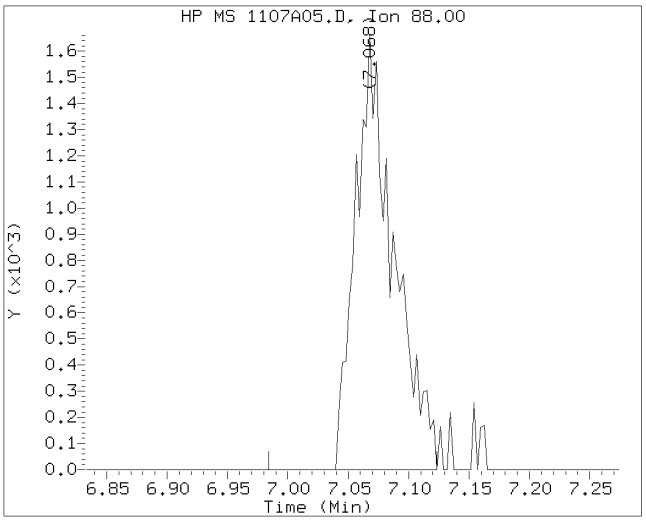
Manual Integration

Sample Info : ICAL L2
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A05.D
Injection Date : 07-NOV-2015 20:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 54: 1,4-Dioxane

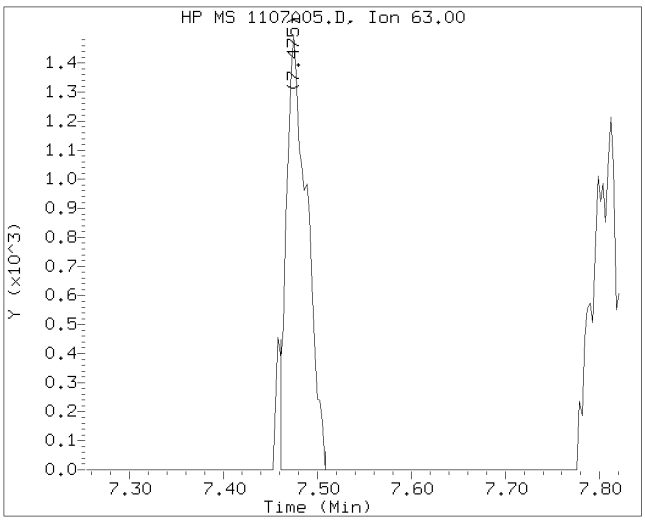


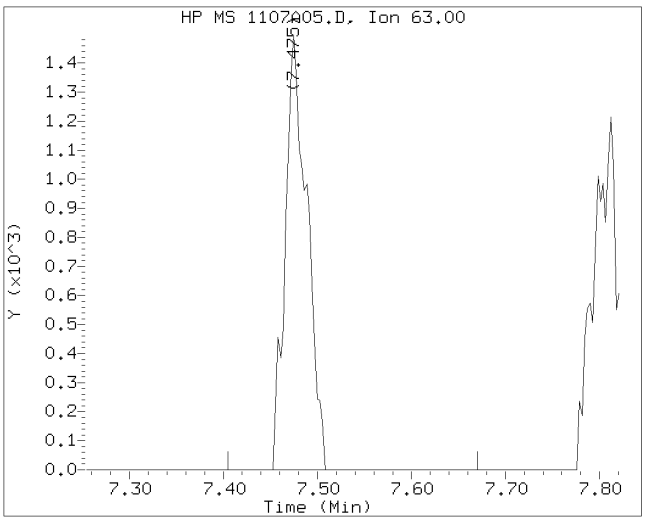


Original Peak Response = 3377 Manual Peak Response = 3644 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 56: 2-Chloroethylvinyl ether





Original Peak Response = 2303 Manual Peak Response = 2417 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

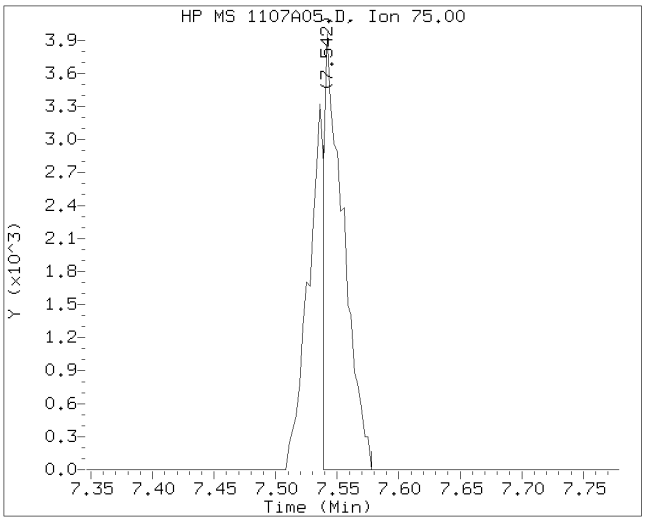
Alpha Analytical Labs

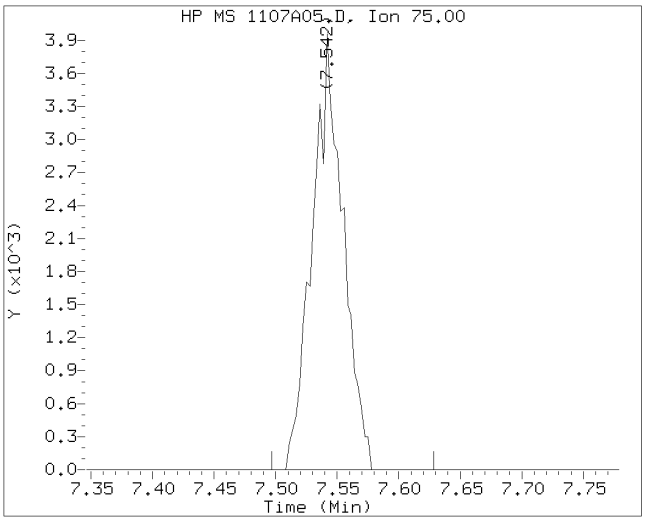
Manual Integration

Sample Info : ICAL L2
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A05.D
Injection Date : 07-NOV-2015 20:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 57: cis-1,3-dichloropropene

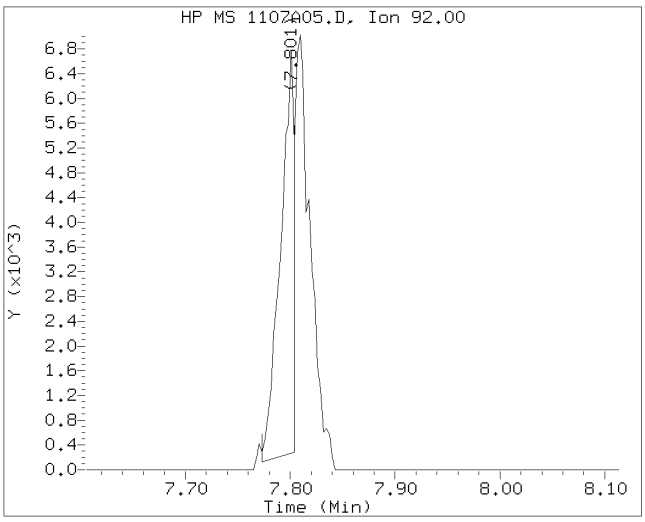


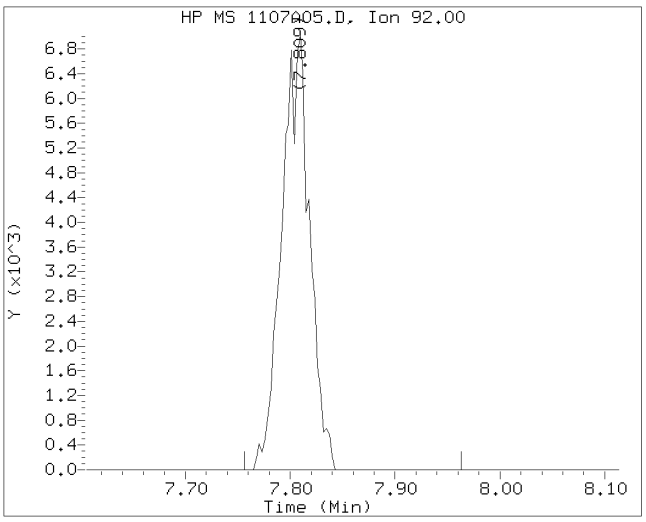


Original Peak Response = 4417 Manual Peak Response = 6906 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 59: toluene





Original Peak Response = 5986 Manual Peak Response = 13156 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

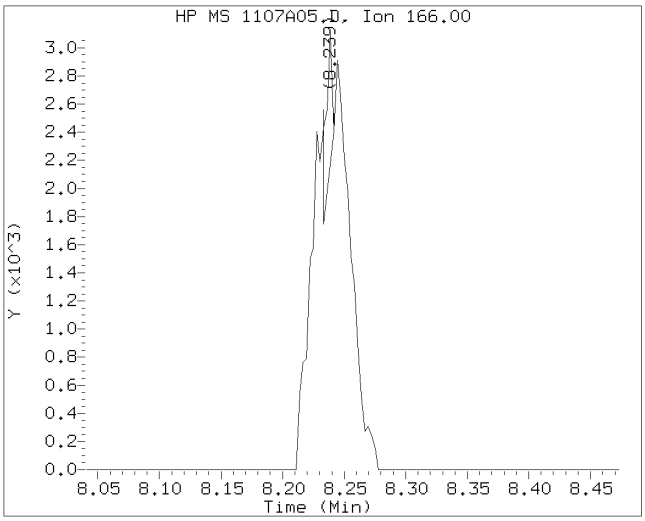
Alpha Analytical Labs

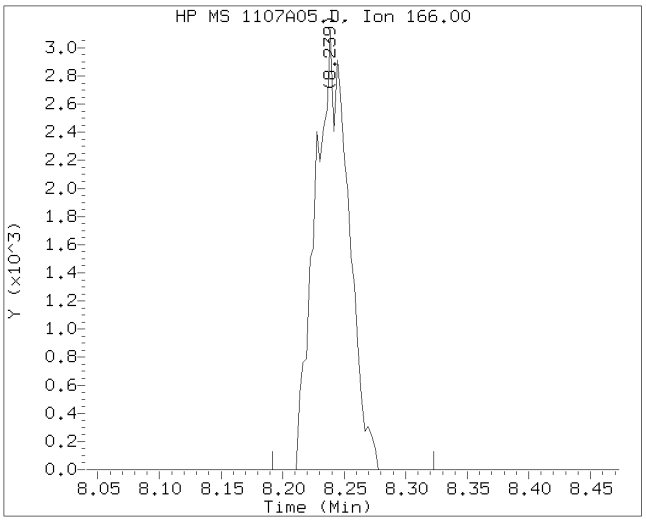
Manual Integration

Sample Info : ICAL L2
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A05.D
Injection Date : 07-NOV-2015 20:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 61: tetrachloroethene

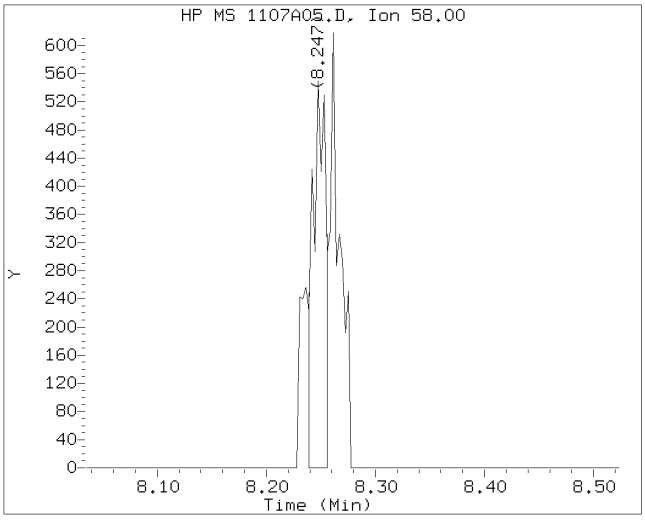


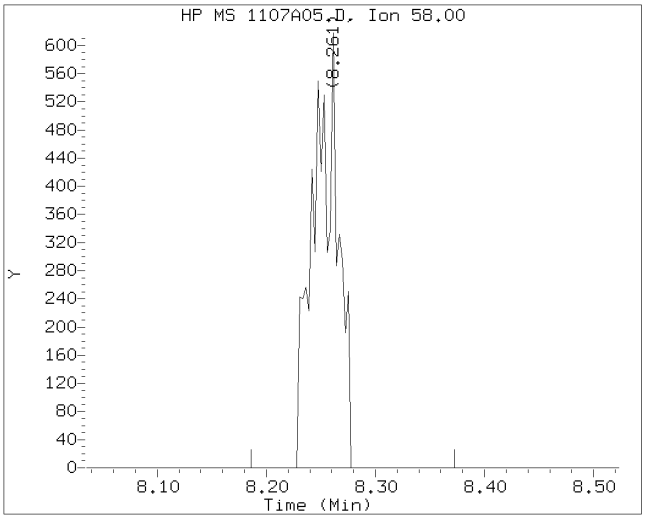


Original Peak Response = 366 Manual Peak Response = 5897 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 60: 4-methyl-2-pentanone





Original Peak Response = 462 Manual Peak Response = 972 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

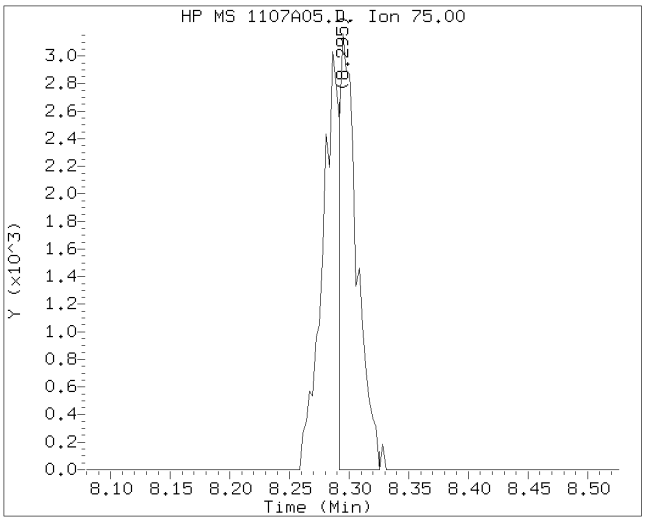
Alpha Analytical Labs

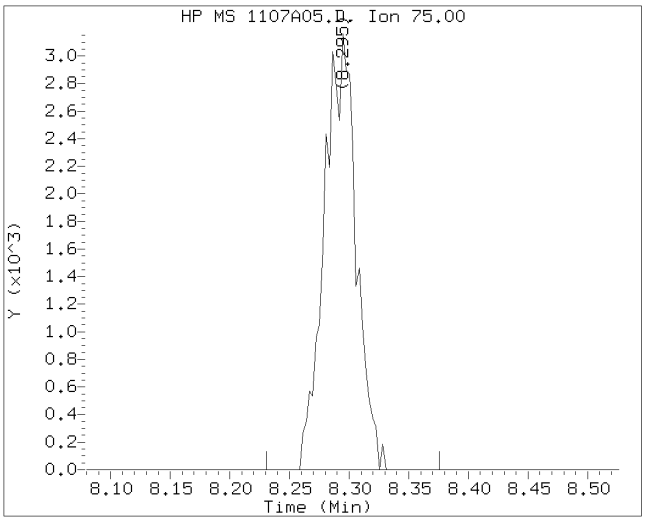
Manual Integration

Sample Info : ICAL L2
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A05.D
Injection Date : 07-NOV-2015 20:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 62: trans-1,3-dichloropropene

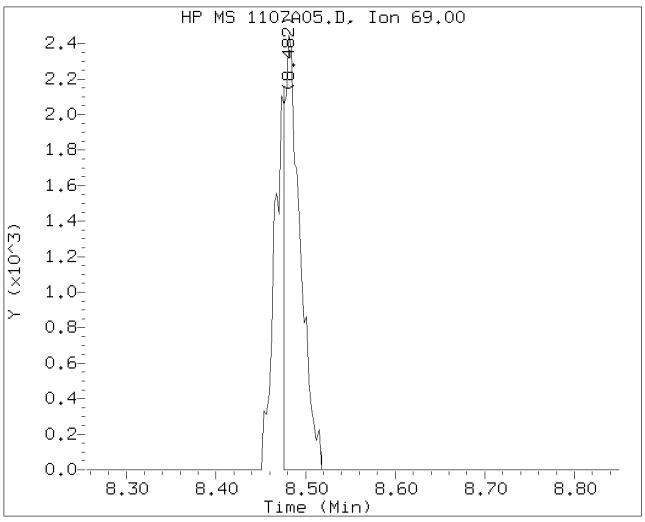


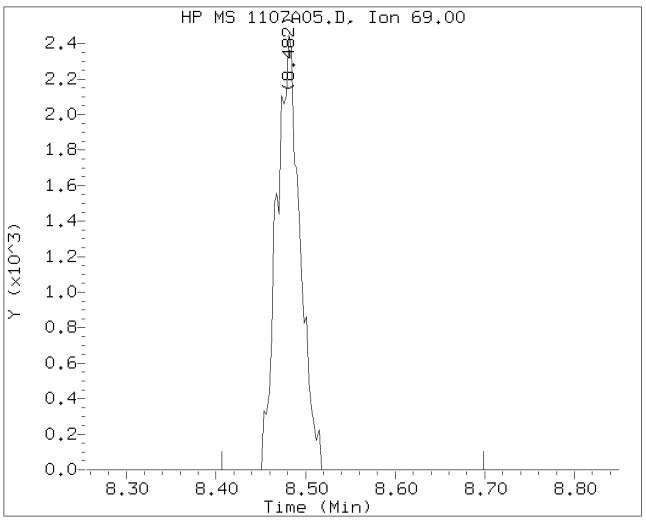


Original Peak Response = 3267 Manual Peak Response = 5937 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 65: ethyl-methacrylate





Original Peak Response = 3031 Manual Peak Response = 4441 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

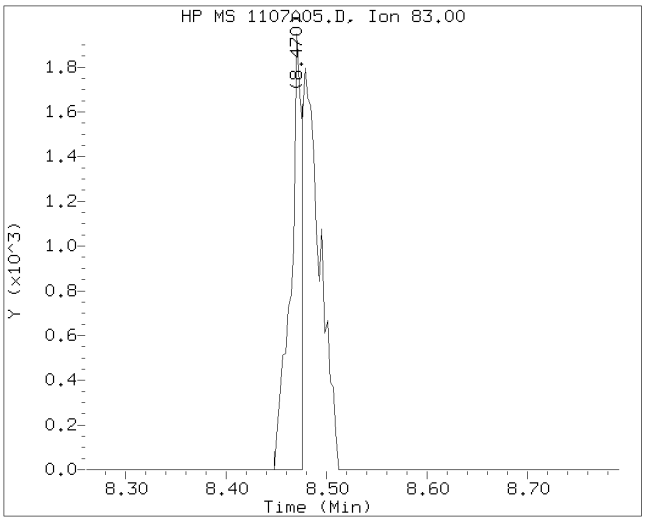
Alpha Analytical Labs

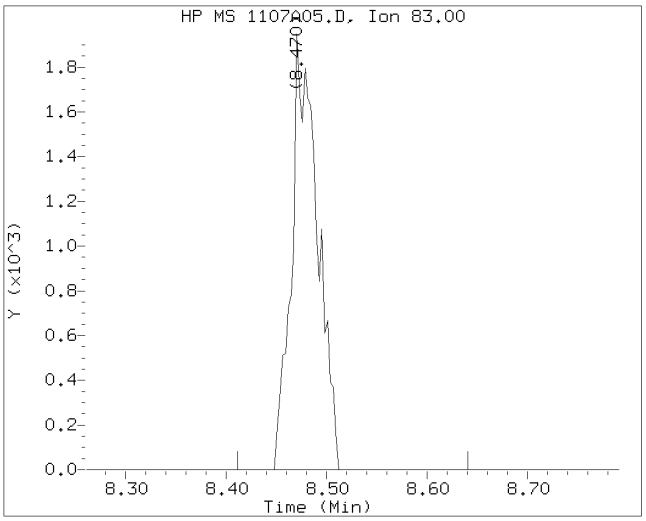
Manual Integration

Sample Info : ICAL L2
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A05.D
Injection Date : 07-NOV-2015 20:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 66: 1,1,2-trichloroethane

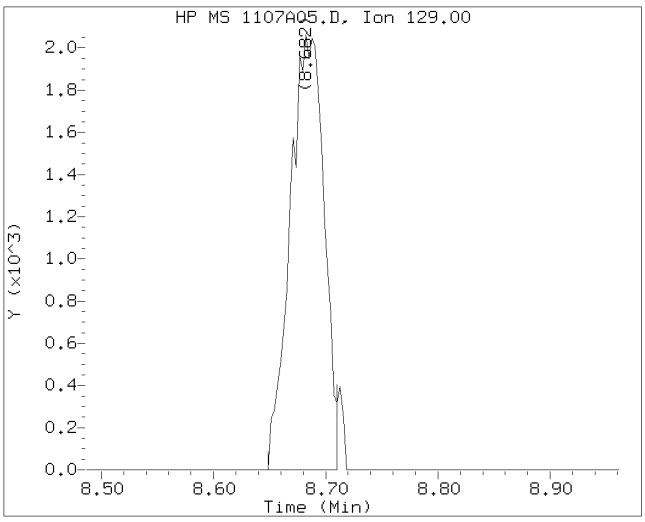


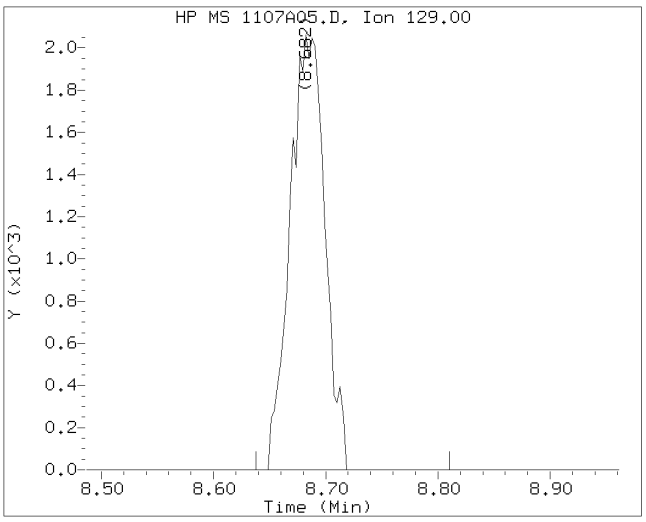


Original Peak Response = 1541 Manual Peak Response = 3499 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 67: chlorodibromomethane





Original Peak Response = 4356 Manual Peak Response = 4463 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

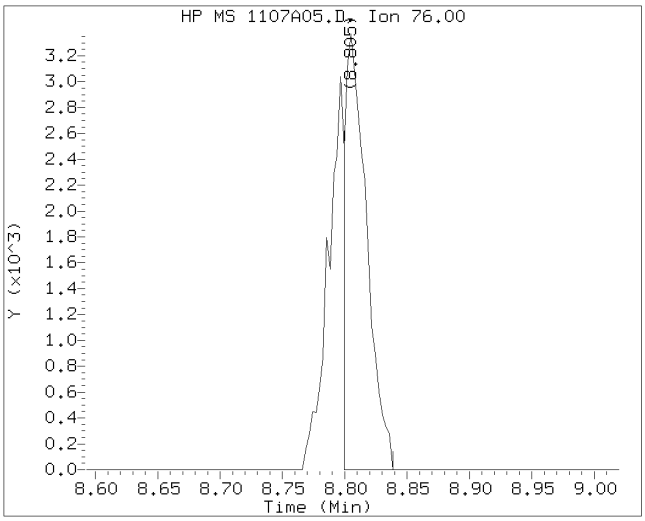
Alpha Analytical Labs

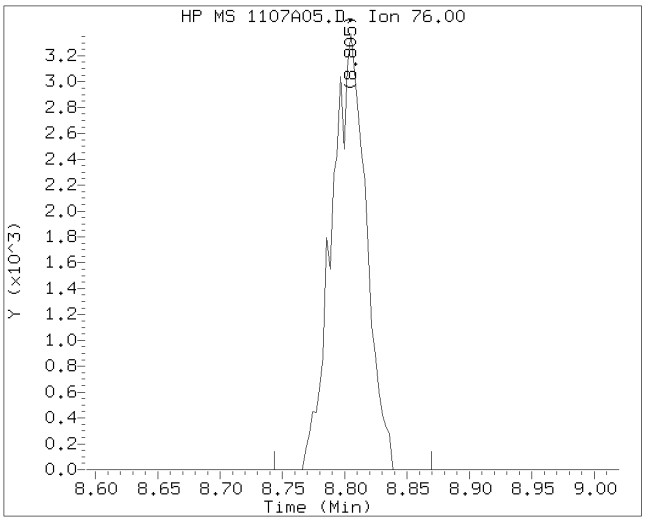
Manual Integration

Sample Info : ICAL L2
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A05.D
Injection Date : 07-NOV-2015 20:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 68: 1,3-dichloropropane

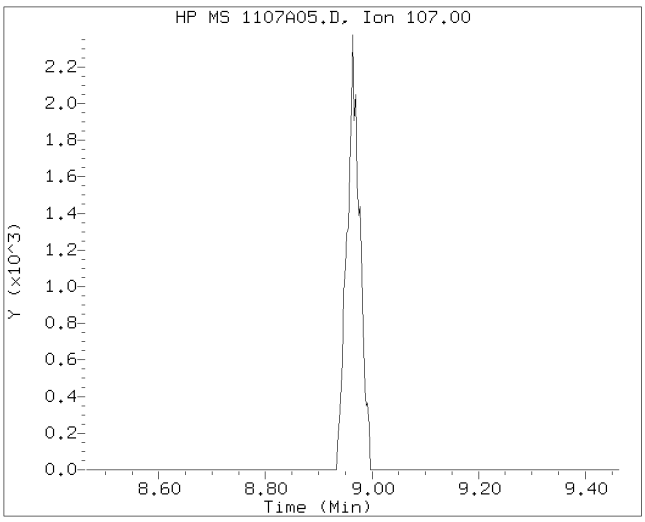


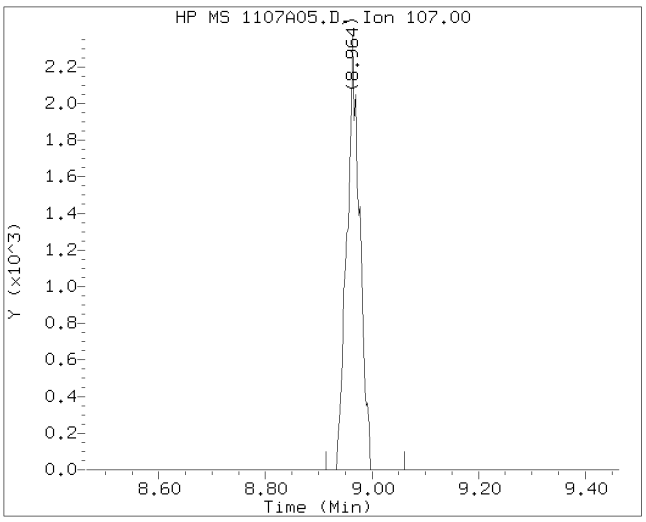


Original Peak Response = 4140 Manual Peak Response = 6476 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 70: 1,2-dibromoethane





Original Peak Response = 0 Manual Peak Response = 3972 M2

M2 = Peak not found by automatic integration algorithm.

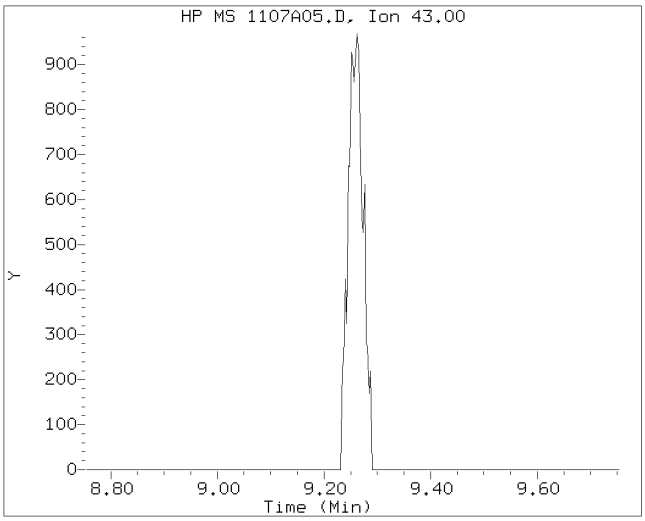
Alpha Analytical Labs

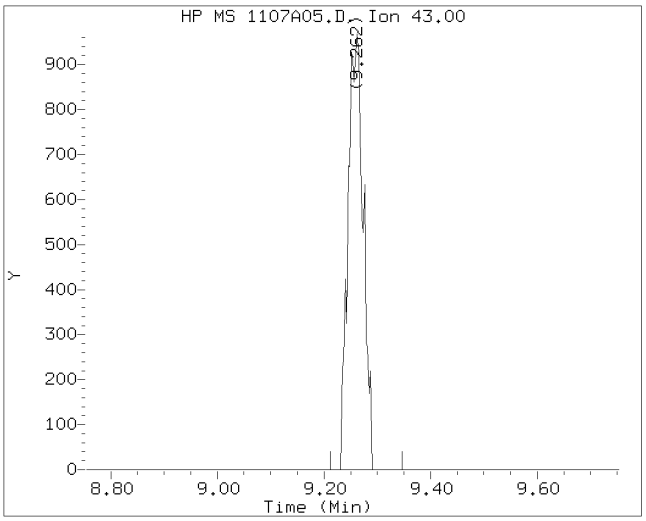
Manual Integration

Sample Info : ICAL L2
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A05.D
Injection Date : 07-NOV-2015 20:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 71: 2-hexanone

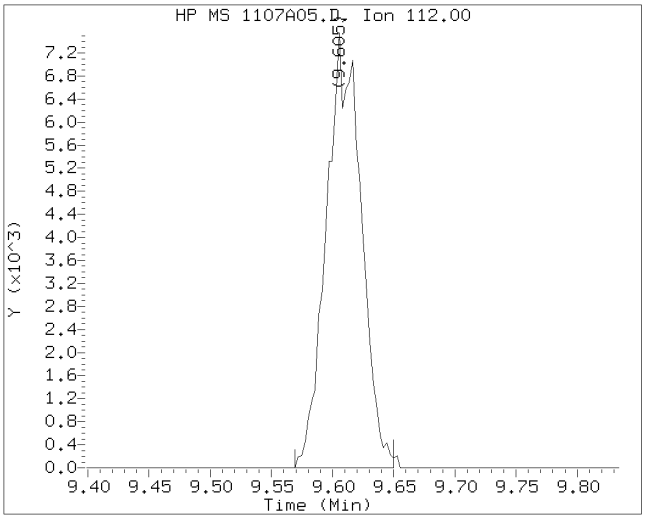


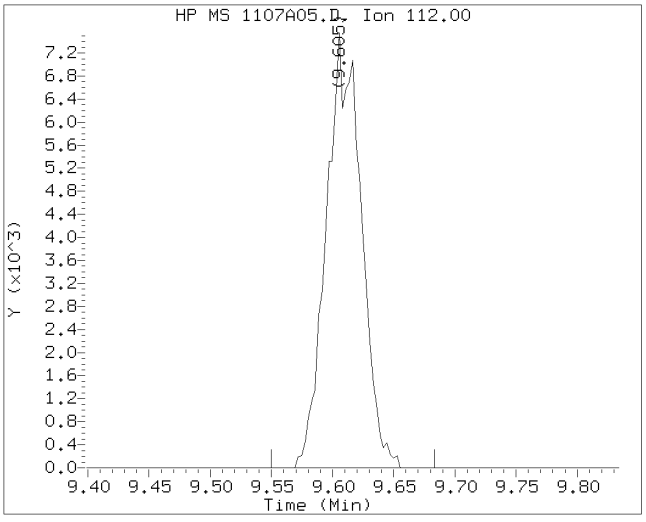


Original Peak Response = 0 Manual Peak Response = 1923 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 73: chlorobenzene





Original Peak Response = 14960 Manual Peak Response = 14995 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

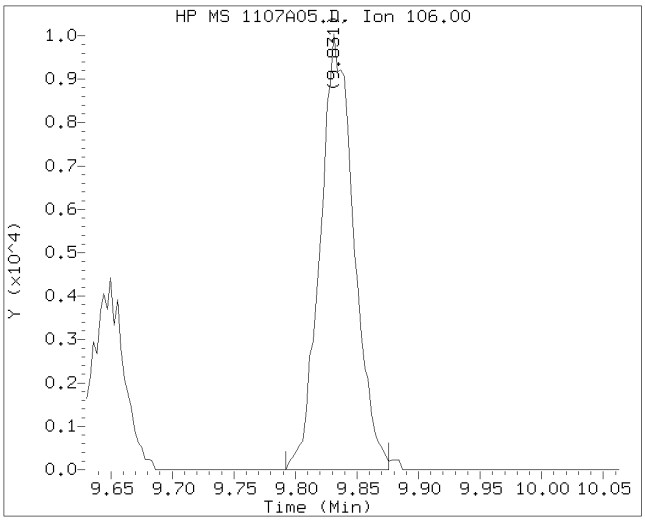
Alpha Analytical Labs

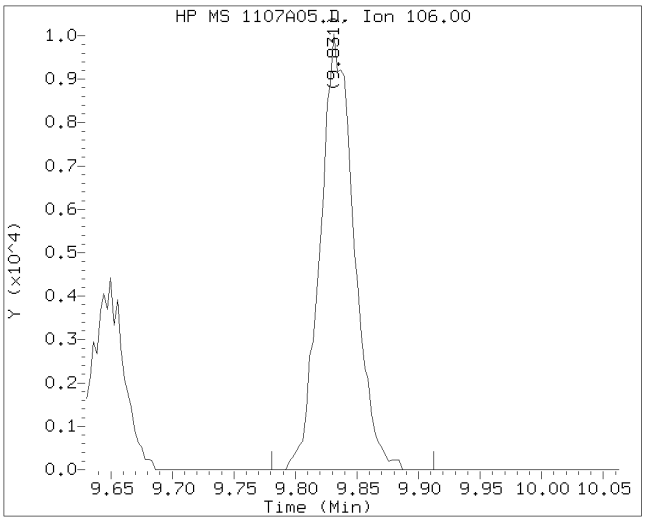
Manual Integration

Sample Info : ICAL L2
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A05.D
Injection Date : 07-NOV-2015 20:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 76: p/m xylene

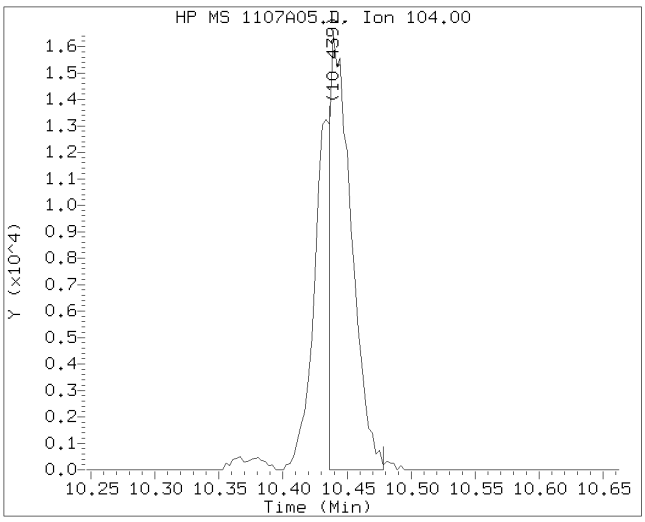


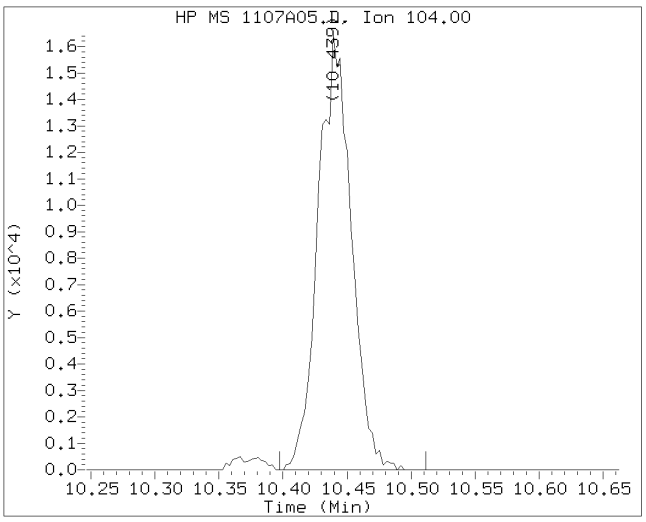


Original Peak Response = 19129 Manual Peak Response = 19239 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 78: styrene





Original Peak Response = 19727 Manual Peak Response = 29721 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

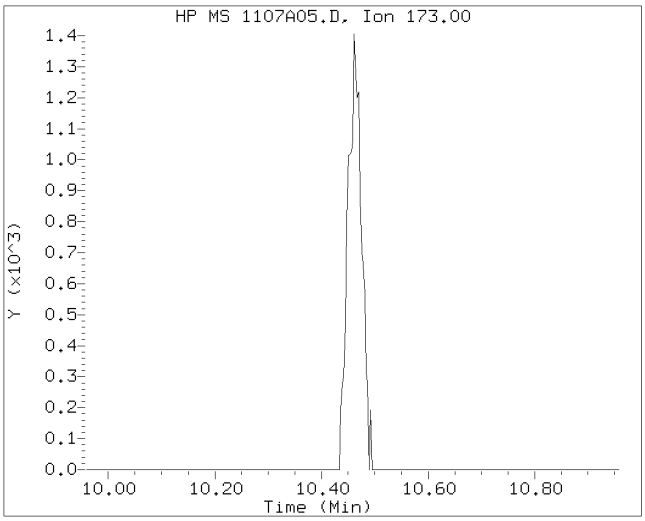
Alpha Analytical Labs

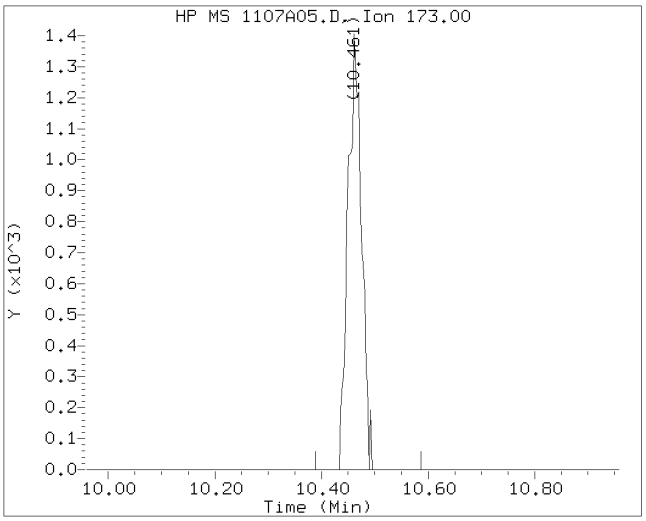
Manual Integration

Sample Info : ICAL L2
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A05.D
Injection Date : 07-NOV-2015 20:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 79: bromoform

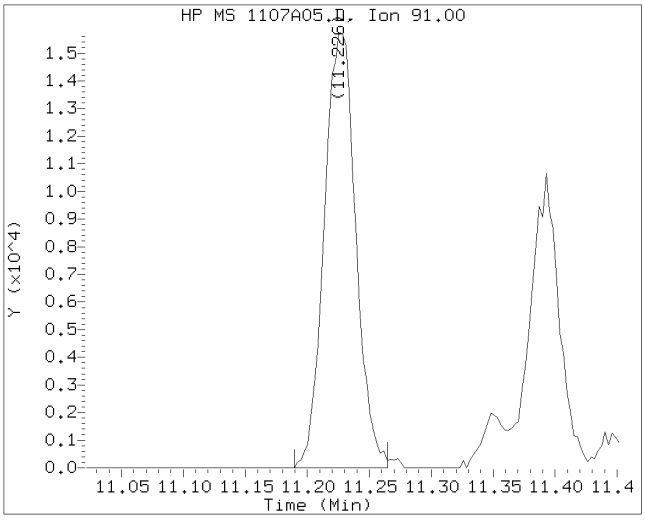


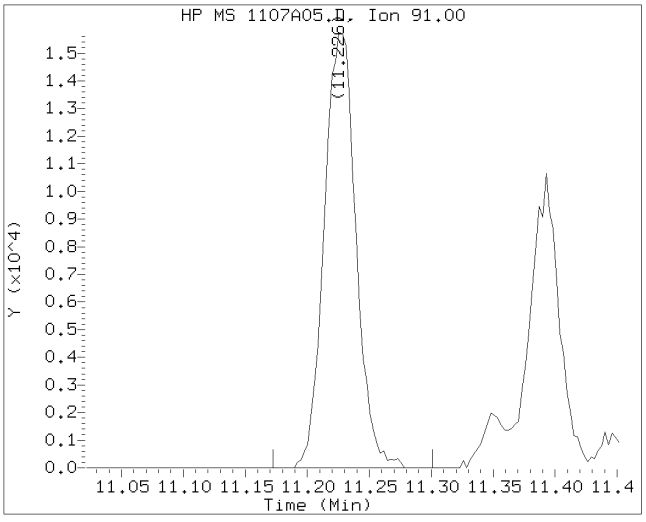


Original Peak Response = 0 Manual Peak Response = 2486 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 83: n-propylbenzene





Original Peak Response = 27989 Manual Peak Response = 28182 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

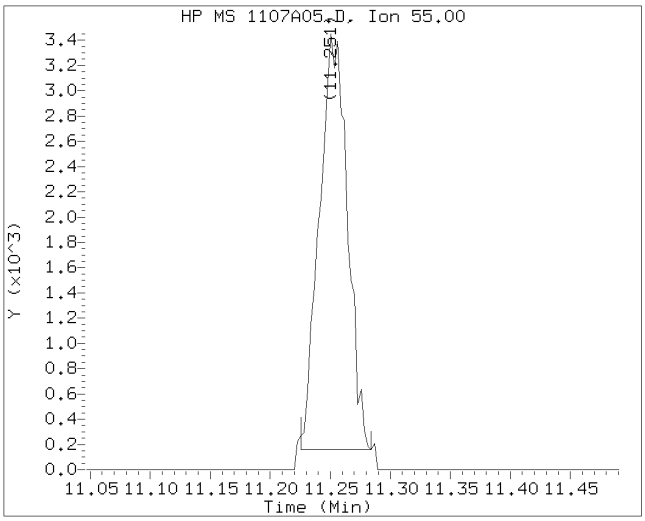
Alpha Analytical Labs

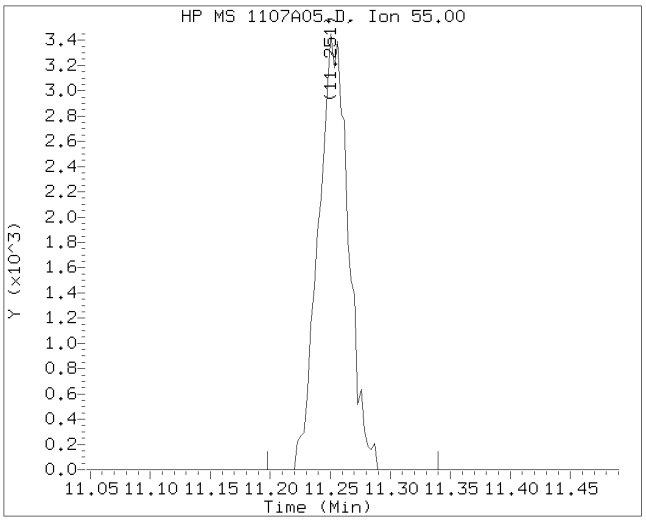
Manual Integration

Sample Info : ICAL L2
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A05.D
Injection Date : 07-NOV-2015 20:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 84: 1,4-dichloro-2-butane

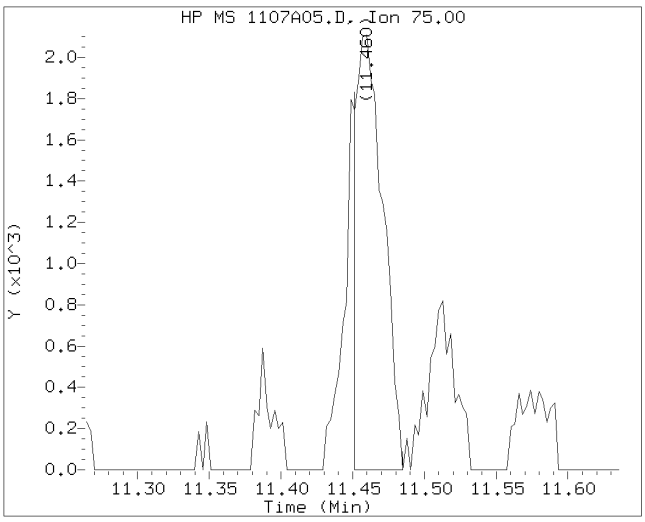


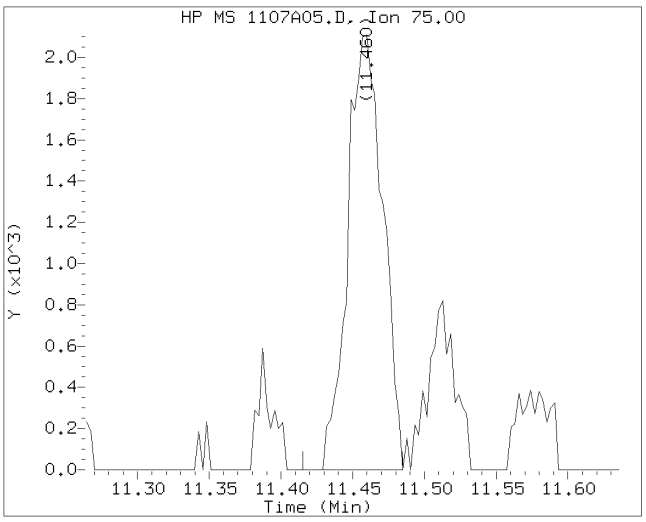


Original Peak Response = 5357 Manual Peak Response = 6021 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 90: 1,2,3-trichloropropane





Original Peak Response = 2831 Manual Peak Response = 3604 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

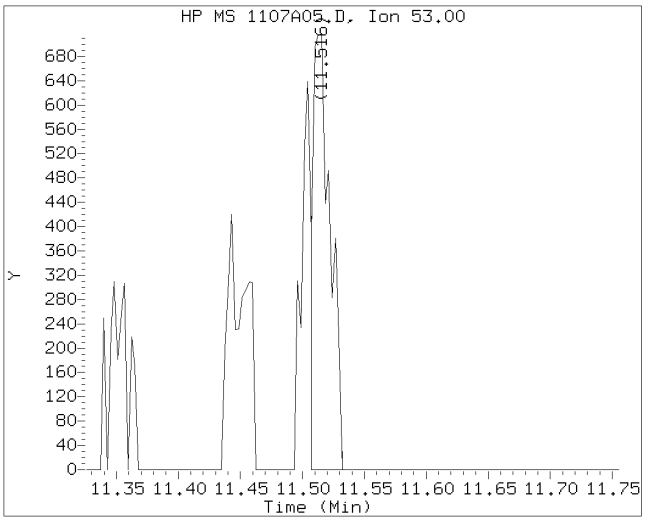
Alpha Analytical Labs

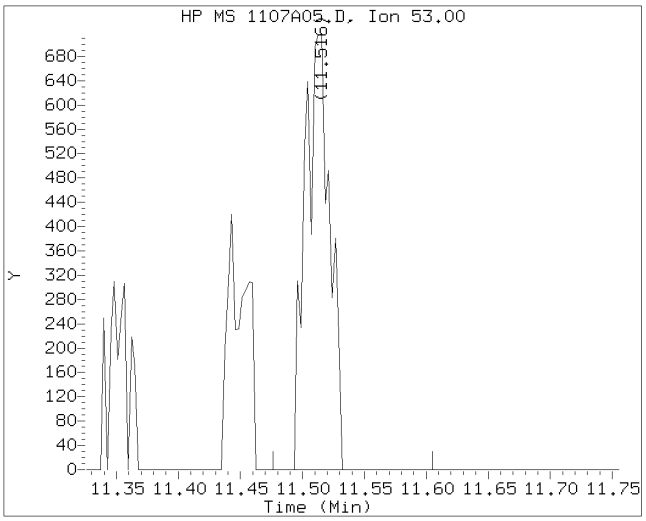
Manual Integration

Sample Info : ICAL L2
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A05.D
Injection Date : 07-NOV-2015 20:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 91: trans-1,4-dichloro-2-butene

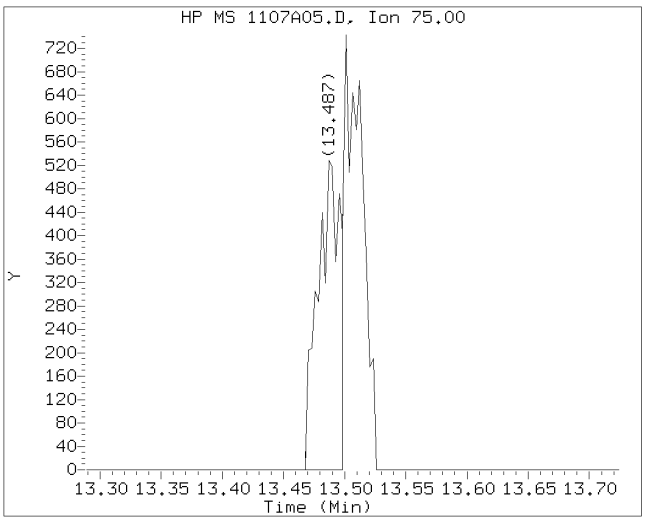


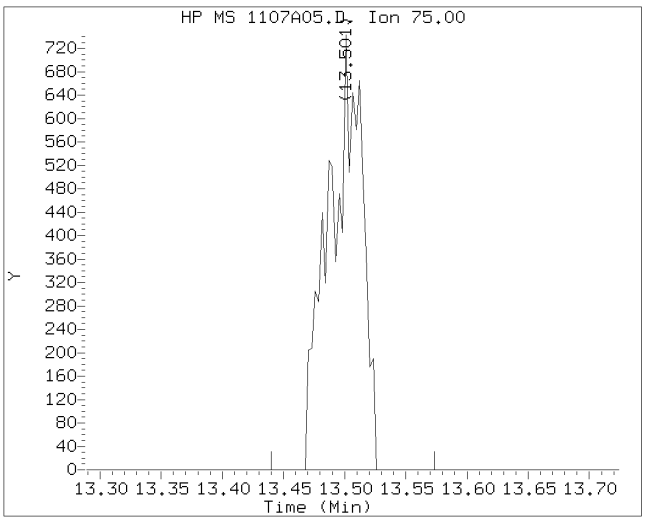


Original Peak Response = 724 Manual Peak Response = 1011 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 104: 1,2-dibromo-3-chloropropane





Original Peak Response = 676 Manual Peak Response = 1407 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

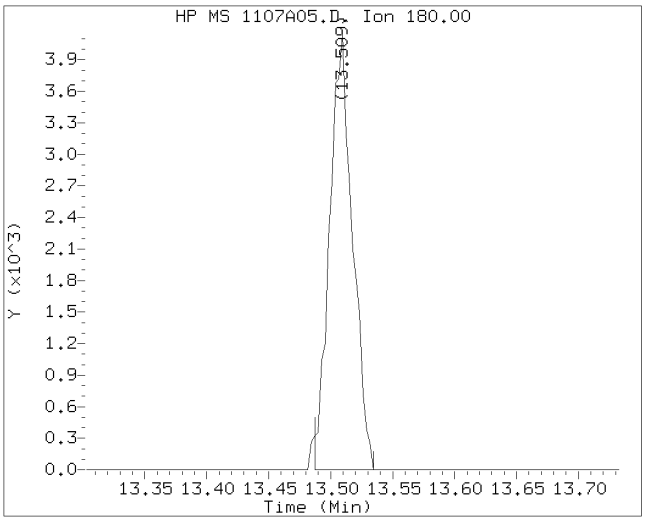
Alpha Analytical Labs

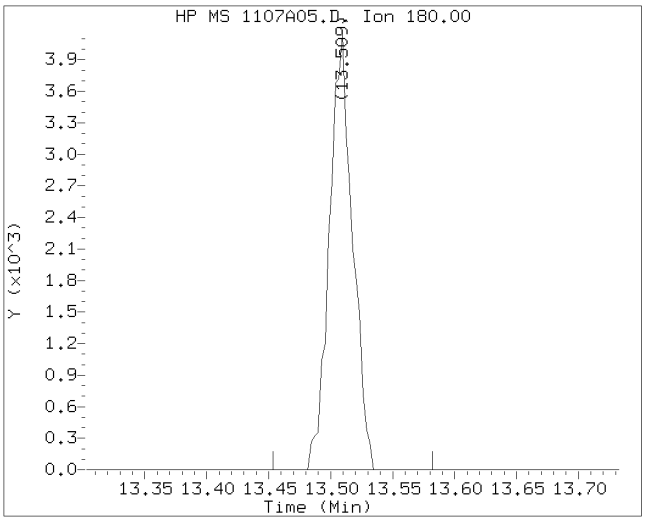
Manual Integration

Sample Info : ICAL L2
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A05.D
Injection Date : 07-NOV-2015 20:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 105: 1,3,5-trichlorobenzene

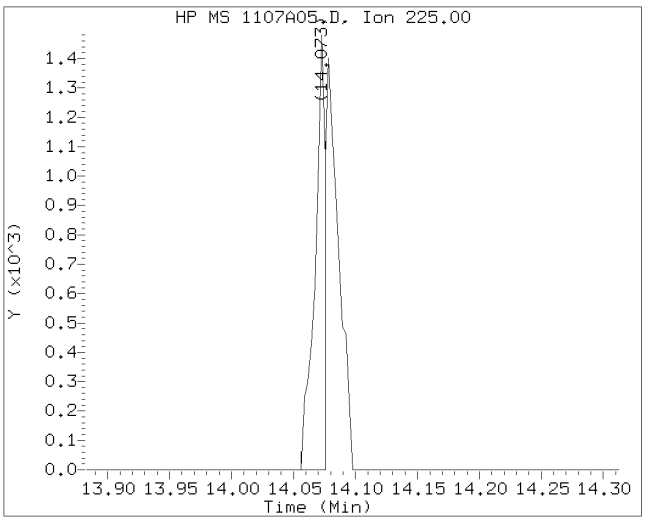


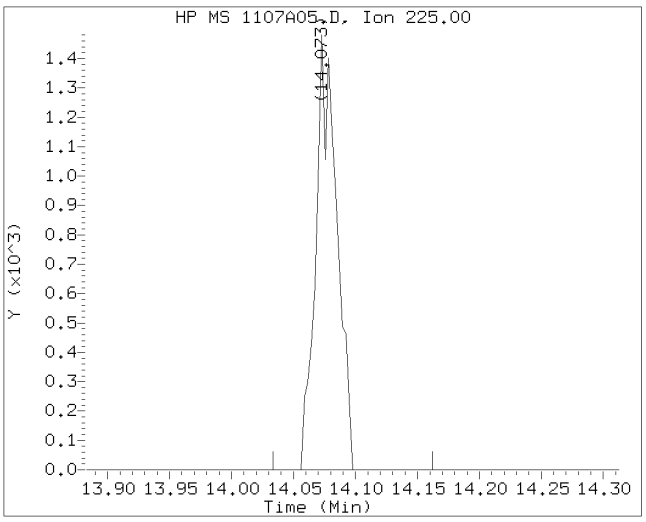


Original Peak Response = 5372 Manual Peak Response = 5417 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 106: hexachlorobutadiene





Original Peak Response = 856 Manual Peak Response = 1764 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A06.D
Lab Smp Id:
Inj Date : 07-NOV-2015 20:34
Operator : PD Inst ID: Voa108.i
Smp Info : wg838608-5, ical l3
Misc Info : wg838608,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\liq8260C.m
Meth Date : 08-Nov-2015 13:44 Voa108.i Quant Type: ISTD
Cal Date : 07-NOV-2015 20:05 Cal File: 1107A05.D
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve+acro.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

						AMOUNTS		
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1 dichlorodifluoromethane	85	1.660	1.660	(0.274)	20650	100.000	90.594(M)	M1
2 chloromethane	50	1.847	1.847	(0.305)	23403	100.000	100.535(M)	M1
3 vinyl chloride	62	1.928	1.928	(0.318)	28938	100.000	96.617	
4 bromomethane	94	2.243	2.243	(0.370)	17999	100.000	92.076(M)	M1
5 chloroethane	64	2.360	2.360	(0.390)	31900	100.000	101.601(M)	M1
6 trichlorofluoromethane	101	2.499	2.499	(0.413)	65514	100.000	90.395	
7 ethyl ether	74	2.809	2.809	(0.464)	24460	100.000	105.199	
9 1,1,-dichloroethene	96	2.993	2.993	(0.494)	37977	100.000	93.847	
10 carbon disulfide	76	3.018	3.018	(0.498)	104193	100.000	86.718	
11 freon-113	101	3.029	3.029	(0.500)	37326	100.000	90.759(Q)	
12 iodomethane	142	3.132	3.132	(0.517)	27200	100.000	75.536(Q)	
15 methylene chloride	84	3.554	3.554	(0.587)	24351	100.000	96.745	
16 acetone	43	3.612	3.612	(0.596)	5473	100.000	103.861(M)	M1
17 trans-1,2-dichloroethene	96	3.704	3.704	(0.612)	23315	100.000	93.476(Q)	
18 Methyl Acetate	43	3.726	3.726	(0.615)	11064	100.000	105.434(Q)	
13 acrolein	56	3.325	3.325	(0.549)	1851	100.000	100.746(M)	M1
19 methyl tert butyl ether	73	3.807	3.807	(0.629)	55851	100.000	98.096	
20 Tert-Butyl Alcohol	59	3.910	3.910	(0.646)	5313	500.000	467.907	
21 Diisopropyl Ether	45	4.167	4.167	(0.688)	73258	100.000	97.189	
22 1,1-dichloroethane	63	4.293	4.293	(0.709)	43788	100.000	97.699(QM)	M1
23 halothane	117	4.348	4.348	(0.718)	18197	100.000	91.664	
24 acrylonitrile	53	4.351	4.351	(0.718)	5680	100.000	97.849(QM)	M1
25 Ethyl-Tert-Butyl-Ether	59	4.510	4.510	(0.745)	65494	100.000	96.342	
26 vinyl acetate	43	4.532	4.532	(0.748)	53775	100.000	101.028	
27 cis-1,2-dichloroethene	96	4.811	4.811	(0.794)	28275	100.000	95.827(M)	M1
28 2,2-dichloropropane	77	4.912	4.912	(0.811)	33965	100.000	93.433	
30 Cyclohexane	56	4.992	4.992	(0.824)	31952	100.000	86.196	
29 bromochloromethane	128	5.004	5.004	(0.826)	13624	100.000	97.631(Q)	

			QUANT SIG					AMOUNTS		
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	31	chloroform	83	5.073	5.073	(0.838)	47425	100.000	97.973	
	32	Ethyl Acetate	43	5.196	5.196	(0.858)	17070	100.000	99.033(M)	M1
	33	carbontetrachloride	117	5.199	5.199	(0.858)	33498	100.000	87.155(Q)	
	35	tetrahydrofuran	42	5.232	5.232	(0.864)	5907	100.000	104.819(Q)	
$	36	dibromofluoromethane	113	5.249	5.249	(0.867)	32119	100.000	99.797(M)	M1
	37	1,1,1-trichloroethane	97	5.274	5.274	(0.871)	39160	100.000	94.011	
	38	2-butanone	43	5.380	5.380	(0.888)	8198	100.000	104.860(Q)	
	39	1,1-dichloropropene	75	5.388	5.388	(0.890)	30334	100.000	89.754	
	40	benzene	78	5.639	5.639	(0.931)	98591	100.000	94.717	
	41	Tertiary-Amyl Methyl Ether	73	5.748	5.748	(0.949)	58338	100.000	96.834	
$	42	1,2-dichloroethane-d4	65	5.784	5.784	(0.955)	34629	100.000	99.228	
	43	1,2-dichloroethane	62	5.854	5.854	(0.966)	33526	100.000	102.495	
*	46	flourobenzene	96	6.058	6.058	(1.000)	117708	100.000		
	47	methyl cyclohexane	83	6.214	6.214	(1.026)	35183	100.000	86.636(Q)	
	48	trichloroethene	95	6.231	6.231	(1.029)	26799	100.000	91.520(Q)	
	50	dibromomethane	93	6.674	6.674	(1.102)	16403	100.000	105.769(Q)	
	52	1,2-dichloropropane	63	6.786	6.786	(1.120)	24934	100.000	98.553	
	53	bromodichloromethane	83	6.852	6.852	(1.131)	36357	100.000	98.866	
	54	1,4-Dioxane	88	7.070	7.070	(1.167)	6699	5000.00	5595.340(M)	M1
	56	2-Chloroethylvinyl ether	63	7.477	7.477	(1.234)	13197	100.000	105.810(M)	M1
	57	cis-1,3-dichloropropene	75	7.544	7.544	(1.245)	40062	100.000	98.874	
$	58	toluene-d8	98	7.745	7.745	(0.808)	117523	100.000	102.821	
	59	toluene	92	7.803	7.803	(0.814)	64456	100.000	97.383	
	61	tetrachloroethene	166	8.241	8.241	(0.860)	26063	100.000	88.962(Q)	
	60	4-methyl-2-pentanone	58	8.255	8.255	(1.363)	5667	100.000	91.162(QM)	M1
	62	trans-1,3-dichloropropene	75	8.294	8.294	(0.865)	34482	100.000	101.711	
	65	ethyl-methacrylate	69	8.478	8.478	(0.884)	27154	100.000	100.921(QM)	M1
	66	1,1,2-trichloroethane	83	8.478	8.478	(0.884)	18130	100.000	103.148(Q)	
	67	chlorodibromomethane	129	8.685	8.685	(0.906)	27091	100.000	101.405(Q)	
	68	1,3-dichloropropane	76	8.802	8.802	(0.918)	35735	100.000	104.864(Q)	
	70	1,2-dibromoethane	107	8.958	8.958	(0.934)	21092	100.000	100.967(Q)	
	71	2-hexanone	43	9.256	9.256	(0.965)	10932	100.000	104.435(QM)	M1
*	72	chlorobenzene-d5	117	9.588	9.588	(1.000)	93694	100.000		
	73	chlorobenzene	112	9.608	9.608	(1.002)	77142	100.000	97.114	
	74	ethyl benzene	91	9.644	9.644	(1.006)	125622	100.000	94.370	
	75	1,1,1,2-tetrachloroethane	131	9.694	9.694	(1.011)	27797	100.000	99.753(Q)	
	76	p/m xylene	106	9.834	9.834	(1.026)	97601	200.000	177.543	
	77	o xylene	106	10.372	10.372	(1.082)	95548	200.000	178.476	
	78	styrene	104	10.439	10.439	(1.089)	168684	200.000	194.107	
	79	bromoform	173	10.461	10.461	(0.853)	15509	100.000	86.915(Q)	
	80	isopropylbenzene	105	10.745	10.745	(0.876)	125249	100.000	93.408	
$	81	4-bromofluorobenzene	95	11.069	11.069	(0.902)	40506	100.000	99.390	
	82	bromobenzene	156	11.180	11.180	(0.911)	31684	100.000	98.210	
	83	n-propylbenzene	91	11.228	11.228	(0.915)	143464	100.000	92.950	
	84	1,4-dichloro-2-butane	55	11.250	11.250	(0.917)	34888	100.000	106.520	
	85	1,1,2,2,-tetrachloroethane	83	11.317	11.317	(0.922)	26537	100.000	107.857	
	86	4-ethyltoluene	105	11.348	11.348	(0.925)	132230	100.000	93.153	
	88	2-chlorotoluene	91	11.390	11.390	(0.928)	87416	100.000	97.549	
	89	1,3,5-trimethybenzene	105	11.448	11.448	(0.933)	102657	100.000	93.598	
	90	1,2,3-trichloropropane	75	11.459	11.459	(0.934)	20006	100.000	102.832	
	91	trans-1,4-dichloro-2-butene	53	11.510	11.510	(0.938)	7483	100.000	110.813(Q)	
	92	4-chorotoluene	91	11.576	11.576	(0.943)	89668	100.000	98.813	
	93	tert-butylbenzene	119	11.788	11.788	(0.961)	100190	100.000	90.394	
	94	1,2,4-trimethylbenzene	105	11.864	11.864	(0.967)	98506	100.000	95.083	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
95	sec-butylbenzene	105	11.972	11.972	(0.976)	119072	100.000	91.711	
96	p-isopropyltoluene	119	12.126	12.126	(0.988)	96761	100.000	88.763	
97	1,3-dichlorobenzene	146	12.193	12.193	(0.994)	60291	100.000	95.711	
* 98	1,4-dichlorobenzene-d4	152	12.271	12.271	(1.000)	50402	100.000		
99	1,4-dichlorobenzene	146	12.288	12.288	(1.001)	60974	100.000	96.591	
100	p-Diethylbenzene	119	12.497	12.497	(1.018)	57965	100.000	87.926	
101	n-butylbenzene	91	12.555	12.555	(1.023)	80774	100.000	90.052	
102	1,2-dichlorobenzene	146	12.706	12.706	(1.035)	54501	100.000	97.061	
103	1,2,4,5-tetramethylbenzene	119	13.289	13.289	(1.083)	87012	100.000	93.489	
104	1,2-dibromo-3-chloropropane	75	13.501	13.501	(1.100)	9110	100.000	105.496(QM)	M1
105	1,3,5-trichlorobenzene	180	13.506	13.506	(1.101)	29478	100.000	94.857	
106	hexachlorobutadiene	225	14.078	14.078	(1.147)	8675	100.000	87.327(Q)	
107	1,2,4-trichlorobenzene	180	14.109	14.109	(1.150)	23982	100.000	94.849(Q)	
108	naphthalene	128	14.401	14.401	(1.174)	60958	100.000	99.884	
109	1,2,3-trichlorobenzene	180	14.566	14.566	(1.187)	20984	100.000	97.105	
188	Pentachloroethane	167	11.805	11.805	(0.962)	20449	100.000	89.593(Q)	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

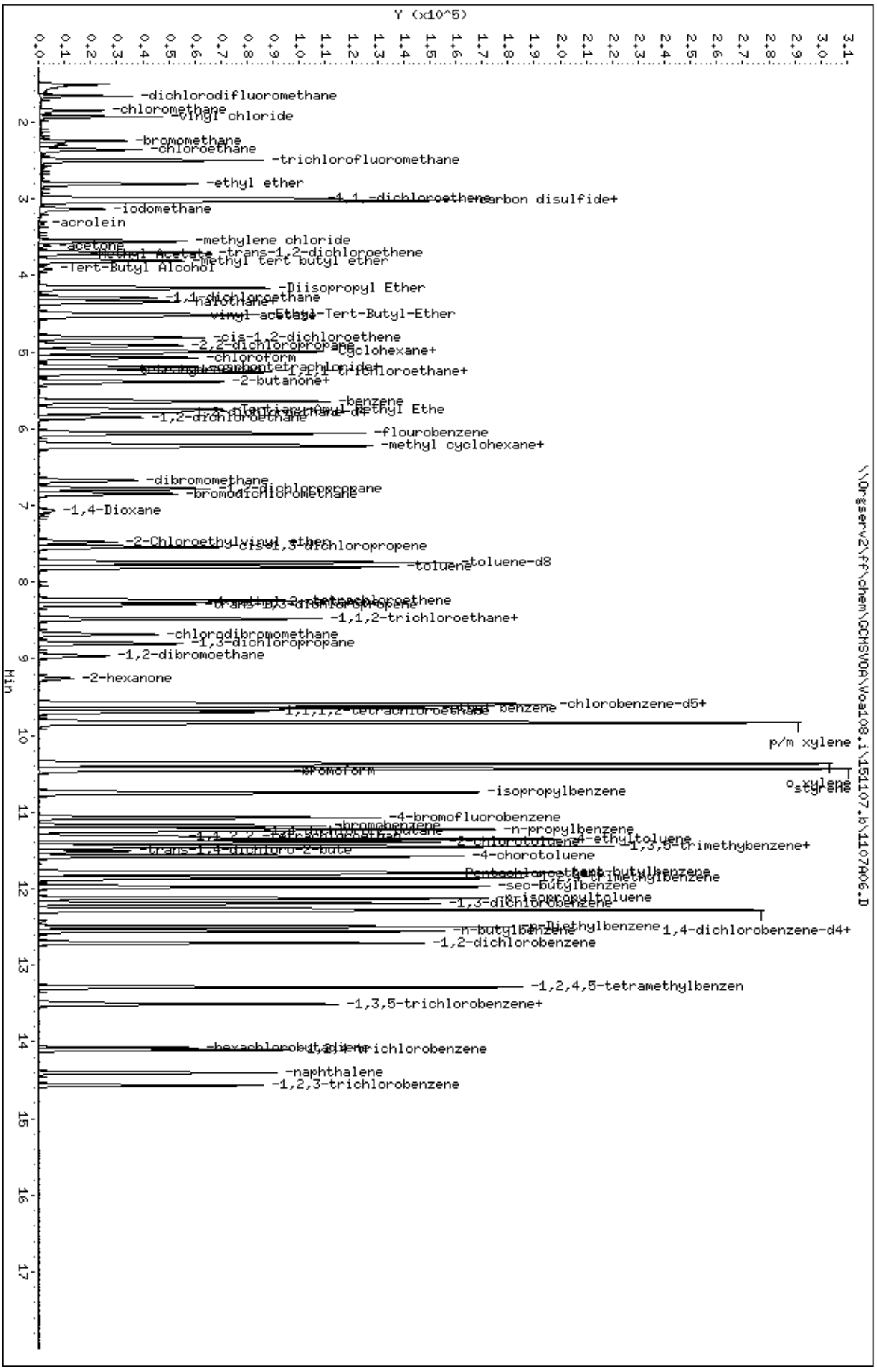
Instrument ID: Voa108.i
Calibration Date: 07-NOV-2015
Lab File ID: 1107A06.D
Calibration Time: 20:34
Lab Smp Id:
Analysis Type: VOA
Level: LOW
Quant Type: ISTD
Sample Type: WATER
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\liq8260C.m
Misc Info: wg838608,ical

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
46 flourobenzene	119738	59869	239476	117708	-1.70
72 chlorobenzene-d5	96275	48138	192550	93694	-2.68
98 1,4-dichlorobenze	50723	25362	101446	50402	-0.63

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
46 flourobenzene	6.06	5.56	6.56	6.06	-0.05
72 chlorobenzene-d5	9.59	9.09	10.09	9.59	0.03
98 1,4-dichlorobenze	12.27	11.77	12.77	12.27	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A06.D
Date : 07-NOV-2015 20:34
Client ID:
Sample Info: ws838608-5, ical 13
Purge Volume: 10.0
Column phase:
Instrument: Voa108.i
Operator: PD
Column diameter: 0.18

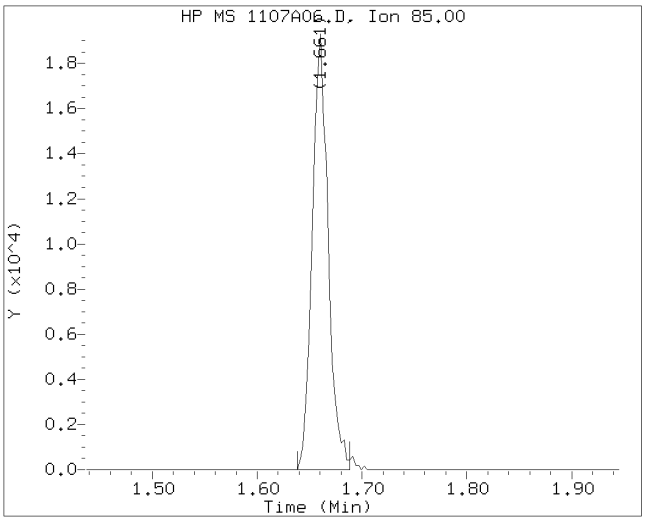
Alpha Analytical Labs

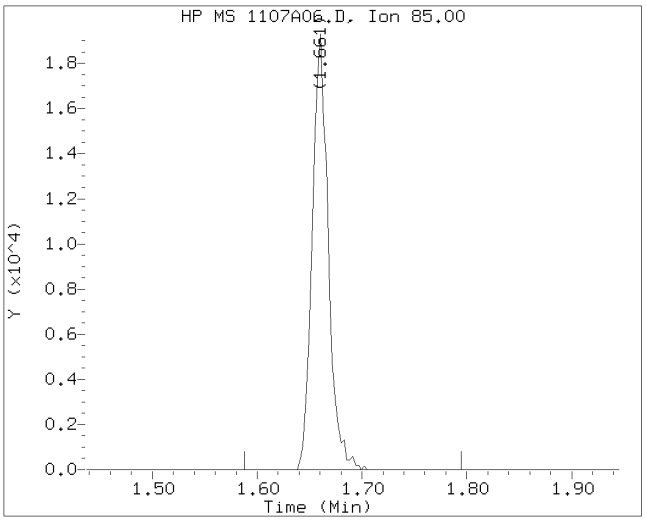
Manual Integration

Sample Info : wg838608-5, ical l3
wg838608,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A06.D
Injection Date : 07-NOV-2015 20:34
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_3

Compound # 1: dichlorodifluoromethane

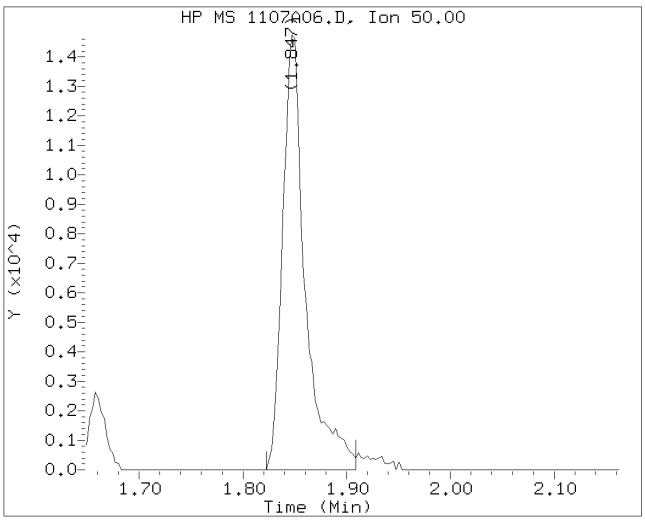


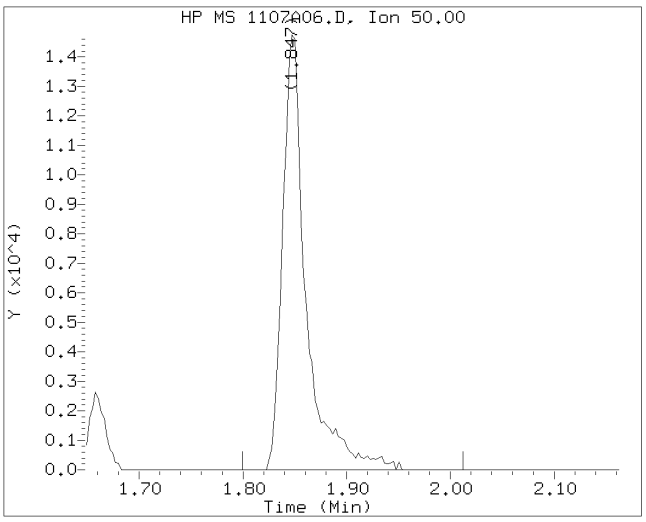


Original Peak Response = 20458 Manual Peak Response = 20650 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 2: chloromethane





Original Peak Response = 22562 Manual Peak Response = 23403 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

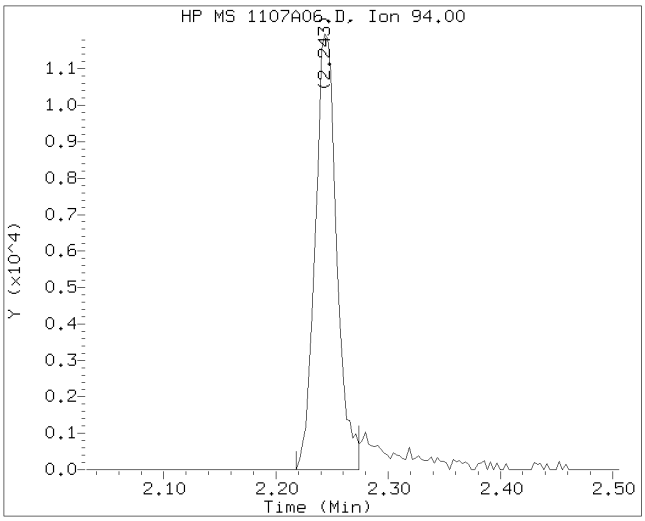
Alpha Analytical Labs

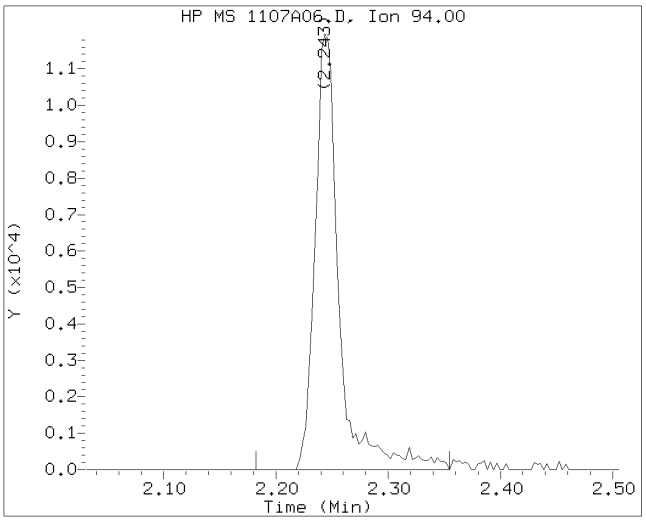
Manual Integration

Sample Info : ICAL L3
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A06.D
Injection Date : 07-NOV-2015 20:34
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_3

Compound # 4: bromomethane

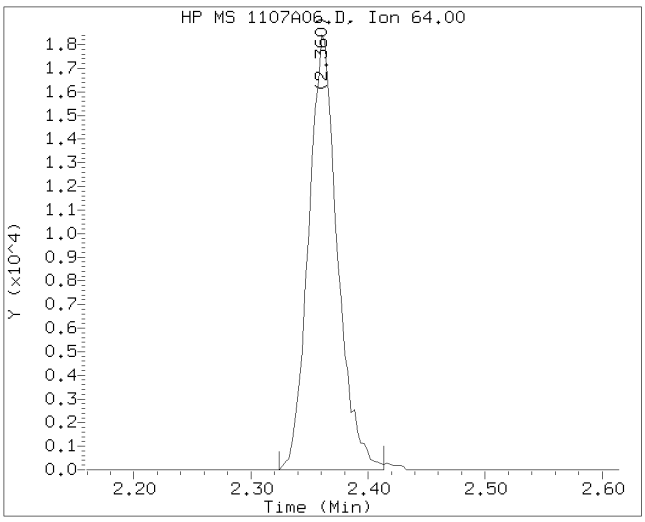


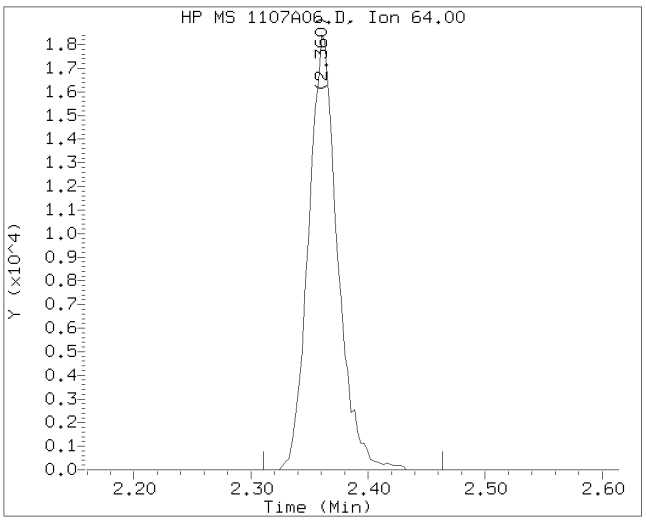


Original Peak Response = 15994 Manual Peak Response = 17999 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 5: chloroethane





Original Peak Response = 31703 Manual Peak Response = 31900 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

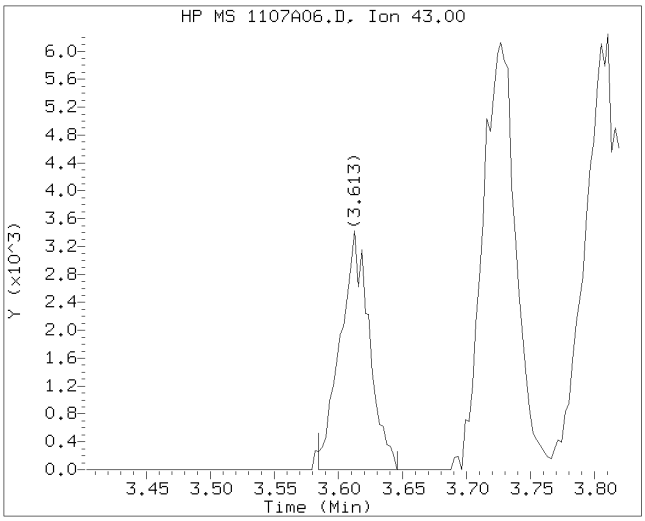
Alpha Analytical Labs

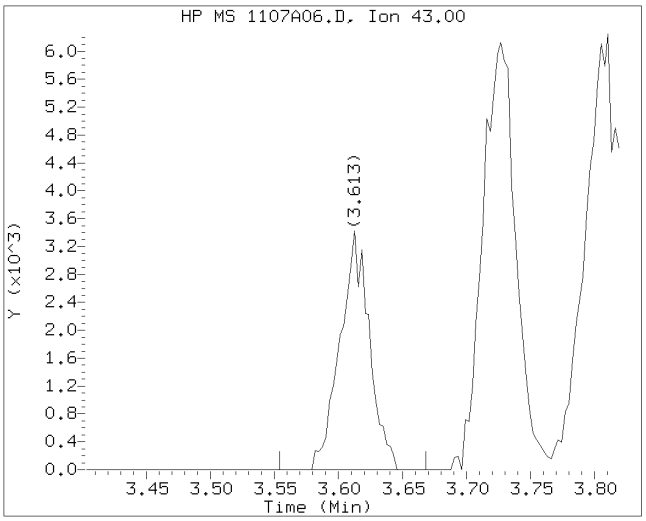
Manual Integration

Sample Info : ICAL L3
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A06.D
Injection Date : 07-NOV-2015 20:34
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_3

Compound # 16: acetone

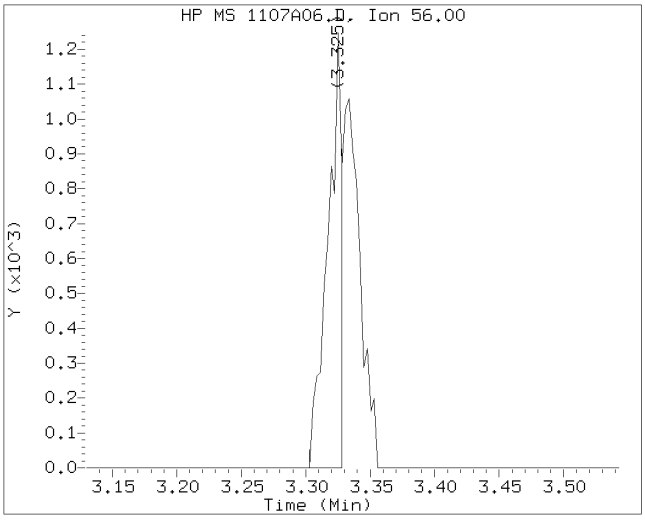


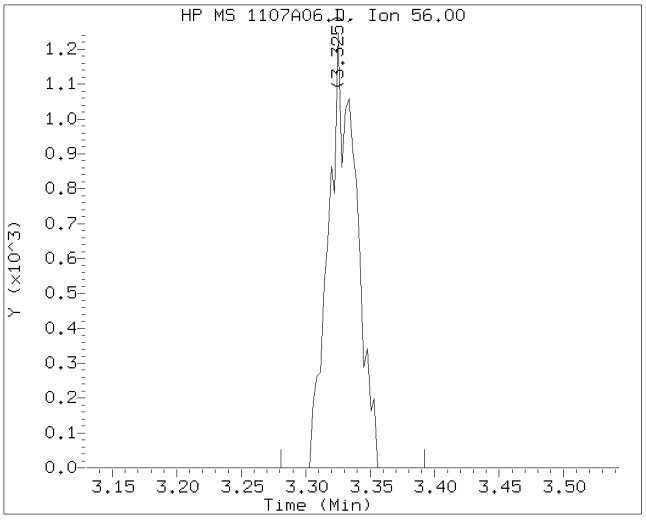


Original Peak Response = 5427 Manual Peak Response = 5473 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 13: acrolein





Original Peak Response = 946 Manual Peak Response = 1851 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

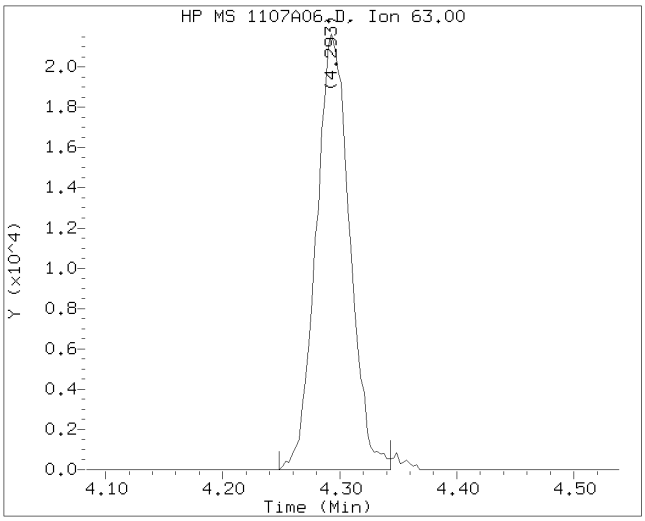
Alpha Analytical Labs

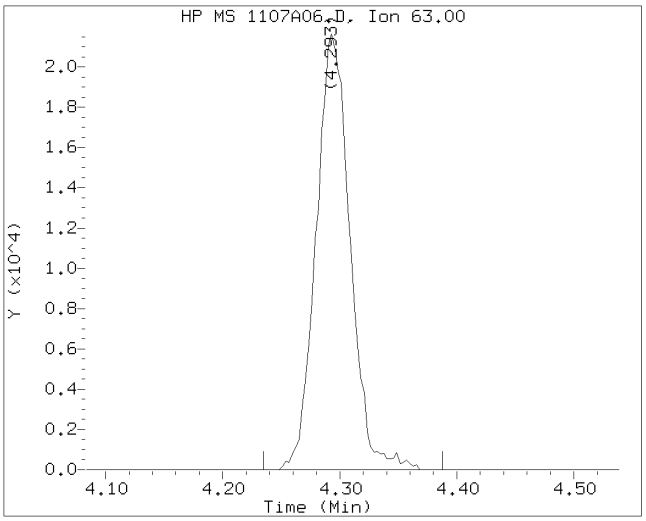
Manual Integration

Sample Info : ICAL L3
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A06.D
Injection Date : 07-NOV-2015 20:34
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_3

Compound # 22: 1,1-dichloroethane

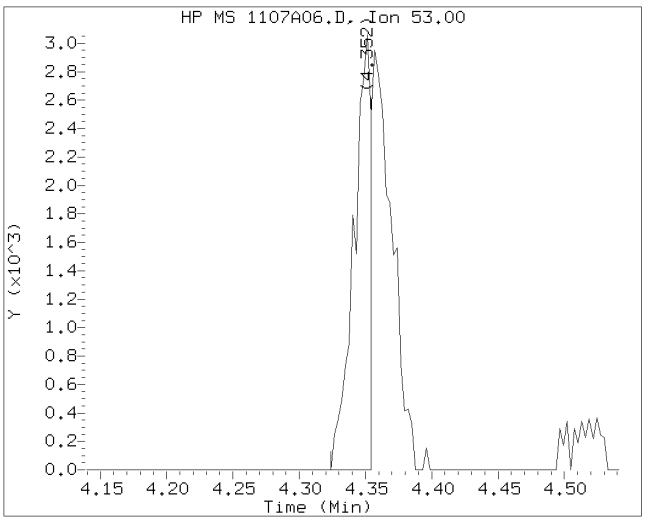


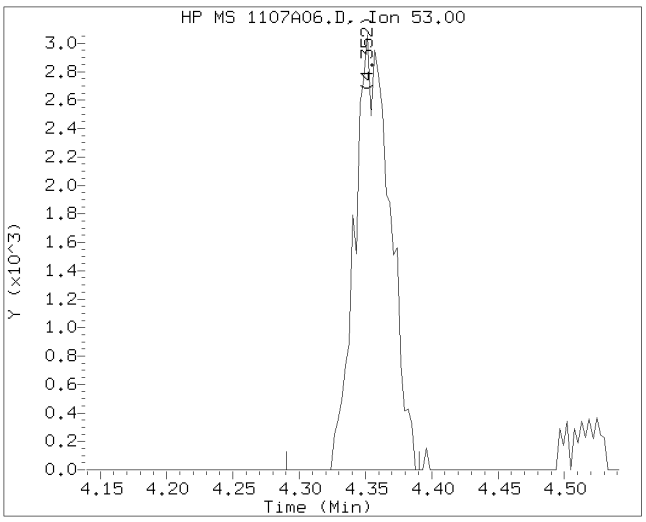


Original Peak Response = 43242 Manual Peak Response = 43788 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 24: acrylonitrile





Original Peak Response = 2827 Manual Peak Response = 5680 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

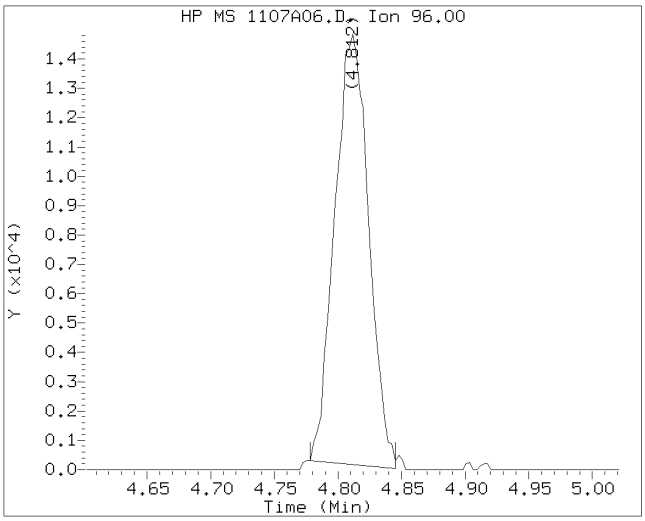
Alpha Analytical Labs

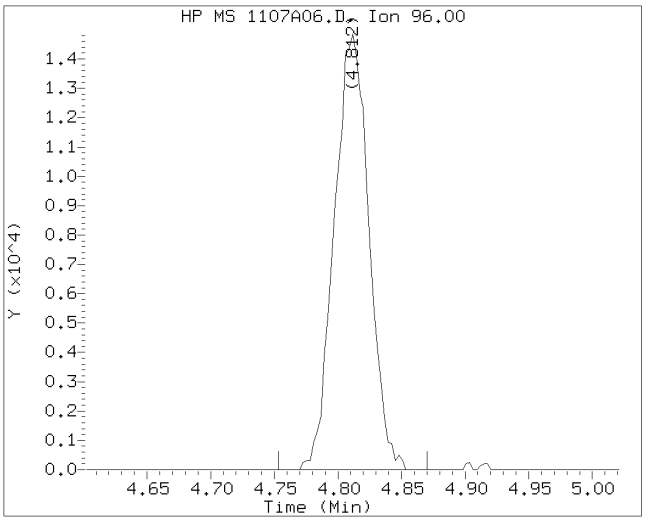
Manual Integration

Sample Info : ICAL L3
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A06.D
Injection Date : 07-NOV-2015 20:34
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_3

Compound # 27: cis-1,2-dichloroethene

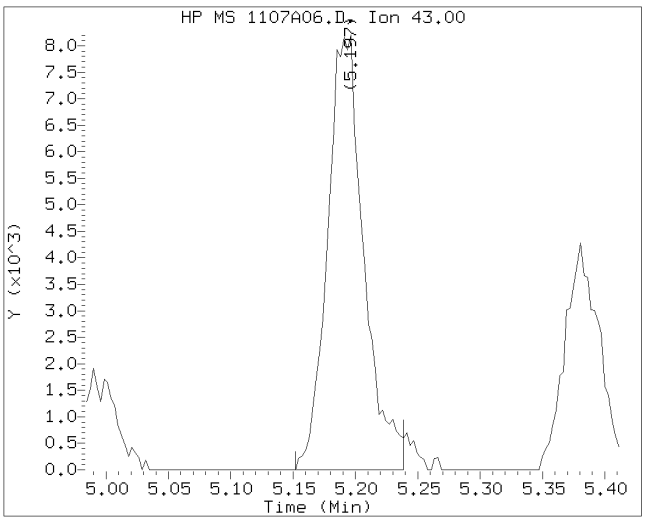


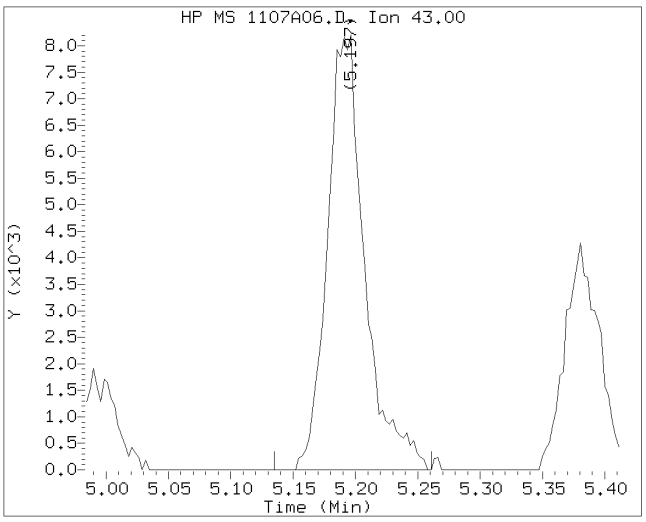


Original Peak Response = 27310 Manual Peak Response = 28275 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 32: Ethyl Acetate





Original Peak Response = 16657 Manual Peak Response = 17070 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

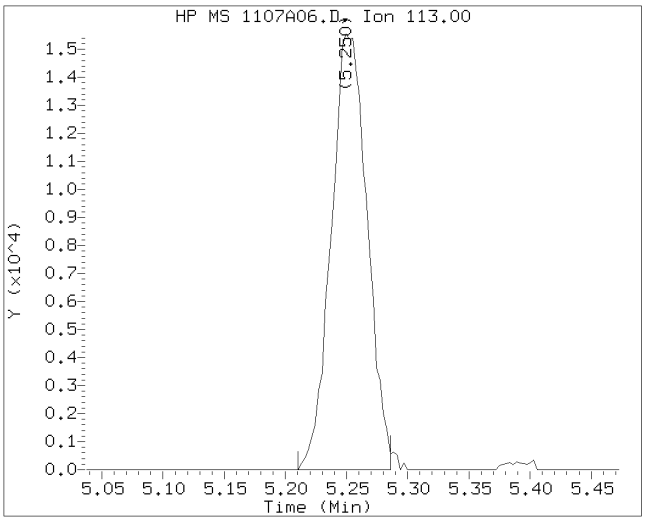
Alpha Analytical Labs

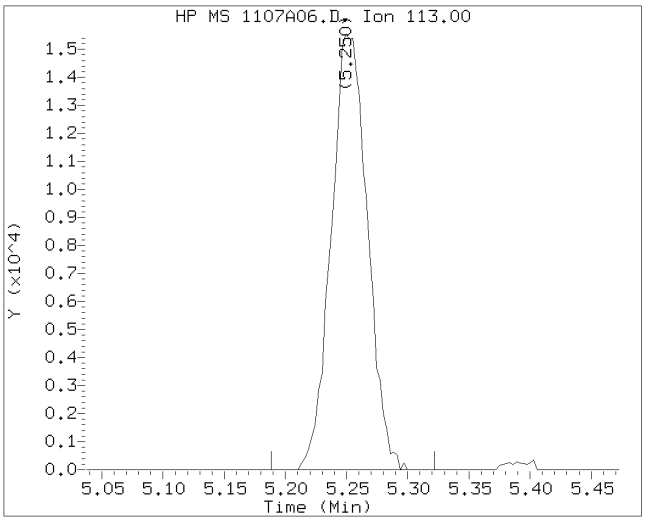
Manual Integration

Sample Info : ICAL L3
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A06.D
Injection Date : 07-NOV-2015 20:34
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_3

Compound # 36: dibromofluoromethane

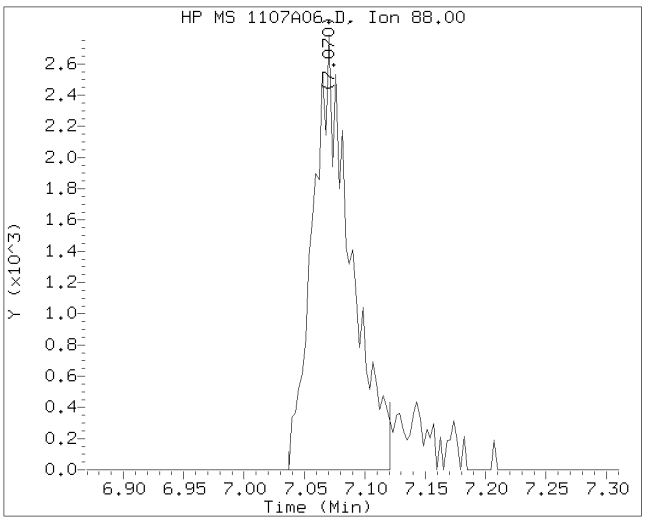


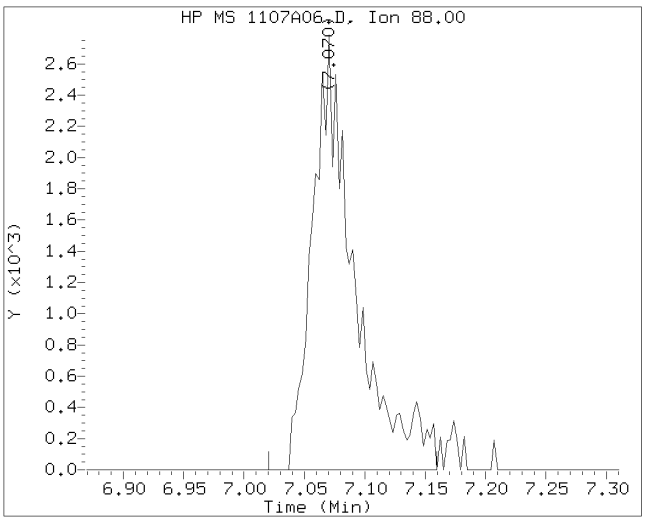


Original Peak Response = 31881 Manual Peak Response = 32119 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 54: 1,4-Dioxane





Original Peak Response = 6087 Manual Peak Response = 6699 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

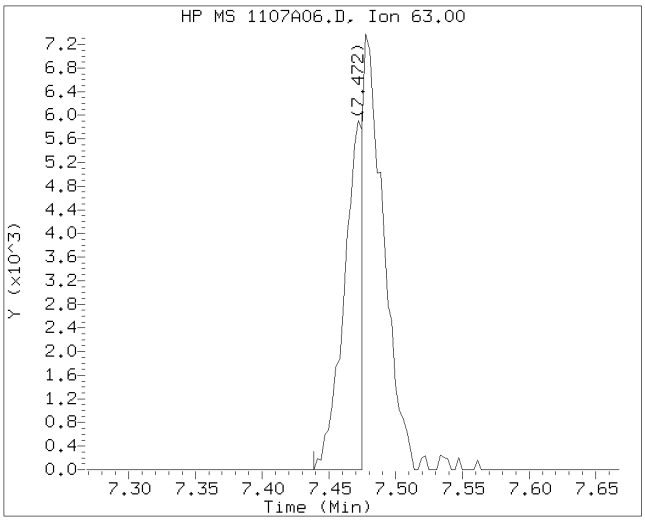
Alpha Analytical Labs

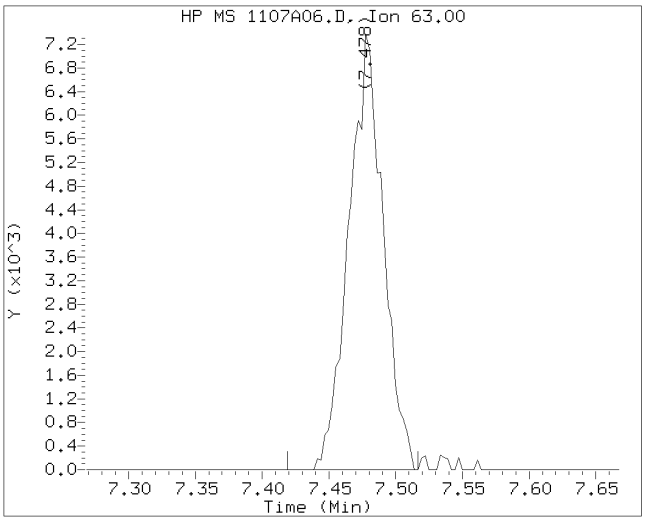
Manual Integration

Sample Info : ICAL L3
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A06.D
Injection Date : 07-NOV-2015 20:34
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_3

Compound # 56: 2-Chloroethylvinyl ether

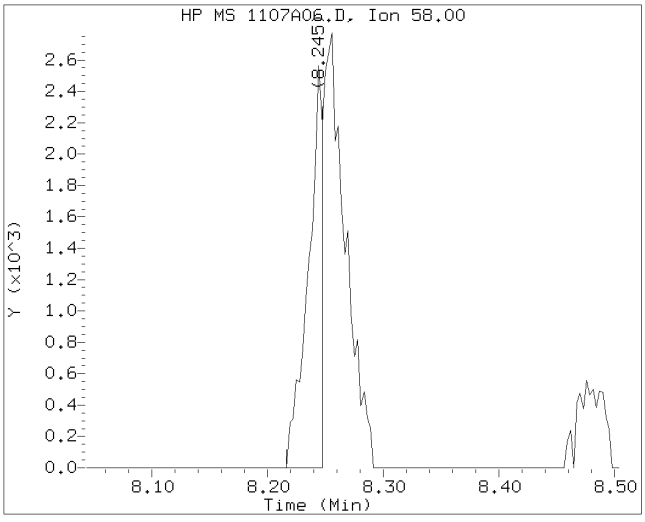


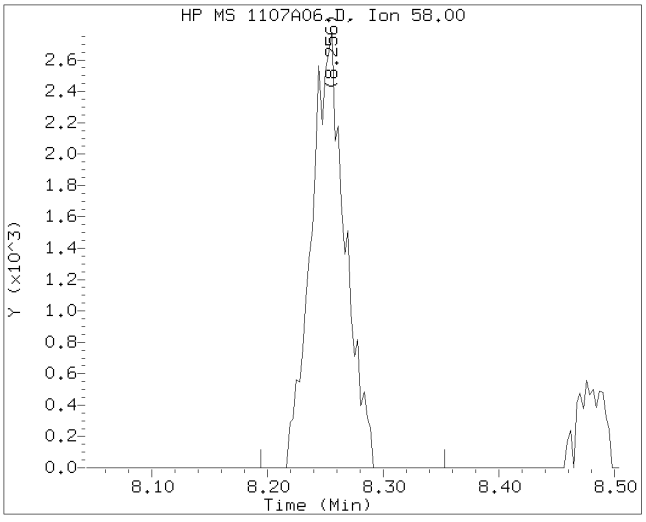


Original Peak Response = 5835 Manual Peak Response = 13197 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 60: 4-methyl-2-pentanone





Original Peak Response = 2195 Manual Peak Response = 5667 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

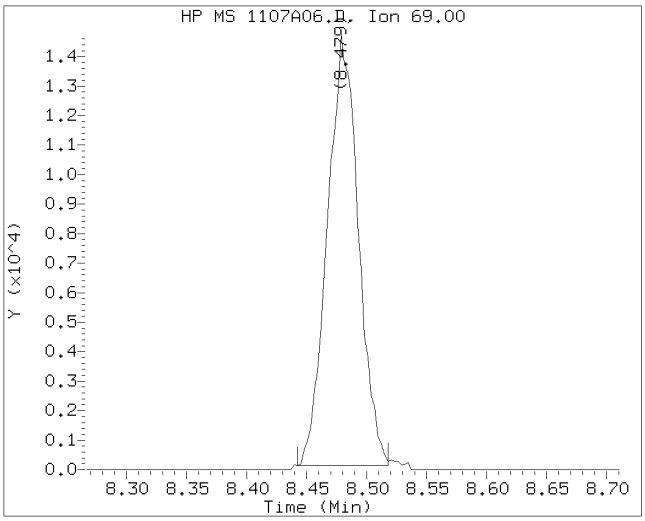
Alpha Analytical Labs

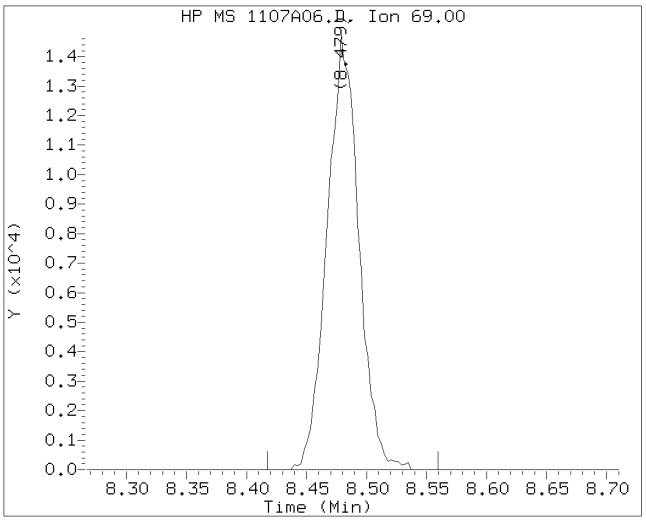
Manual Integration

Sample Info : ICAL L3
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A06.D
Injection Date : 07-NOV-2015 20:34
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_3

Compound # 65: ethyl-methacrylate

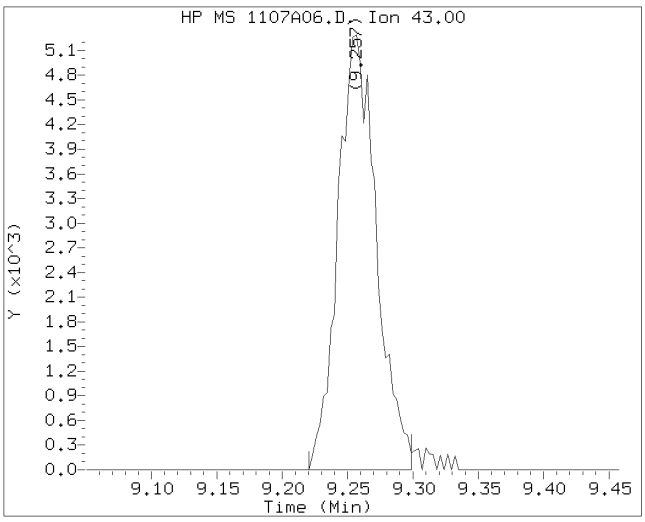


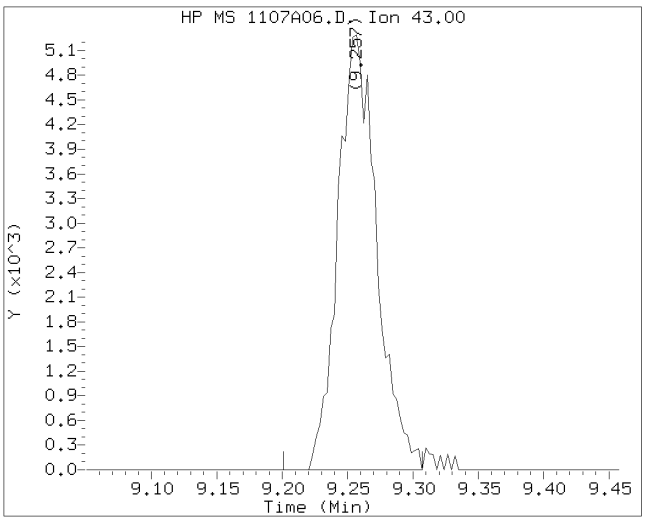


Original Peak Response = 26155 Manual Peak Response = 27154 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 71: 2-hexanone





Original Peak Response = 10849 Manual Peak Response = 10932 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

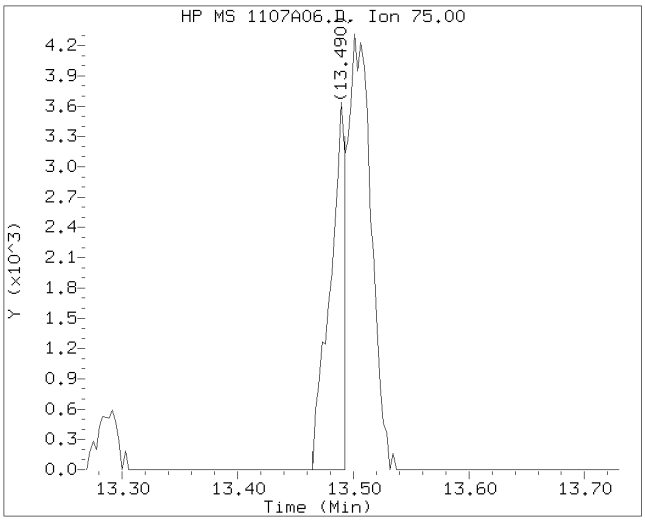
Alpha Analytical Labs

Manual Integration

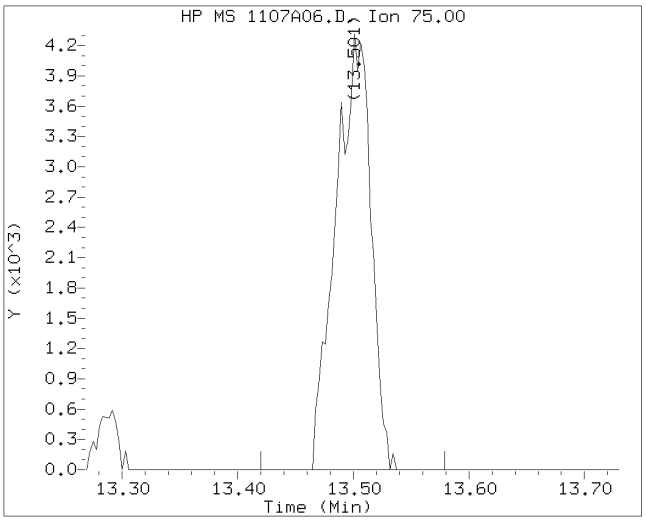
Sample Info : ICAL L3
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A06.D
Injection Date : 07-NOV-2015 20:34
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_3

Compound # 104: 1,2-dibromo-3-chloropropane



Original Peak Response = 3292



Manual Peak Response = 9110 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A07.D
Lab Smp Id:
Inj Date : 07-NOV-2015 21:02
Operator : PD Inst ID: Voa108.i
Smp Info : wg838608-6, ical l4
Misc Info : wg838608,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\liq8260C.m
Meth Date : 08-Nov-2015 13:44 Voa108.i Quant Type: ISTD
Cal Date : 07-NOV-2015 20:34 Cal File: 1107A06.D
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve+acro.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	1.657	1.657	(0.274)	72076	300.000	302.986	
2	chloromethane	50	1.844	1.844	(0.304)	74603	300.000	307.084(M)	M1
3	vinyl chloride	62	1.925	1.925	(0.318)	95755	300.000	306.336	
4	bromomethane	94	2.243	2.243	(0.370)	70192	300.000	273.819(M)	M1
5	chloroethane	64	2.354	2.354	(0.389)	102423	300.000	312.578(M)	M1
6	trichlorofluoromethane	101	2.497	2.497	(0.412)	220859	300.000	291.997	
7	ethyl ether	74	2.803	2.803	(0.463)	72678	300.000	299.509	
9	1,1,-dichloroethene	96	2.987	2.987	(0.493)	122326	300.000	289.649(Q)	
10	carbon disulfide	76	3.015	3.015	(0.498)	340700	300.000	271.704	
11	freon-113	101	3.026	3.026	(0.499)	124884	300.000	290.965	
12	iodomethane	142	3.132	3.132	(0.517)	121586	300.000	259.814(M)	M1
15	methylene chloride	84	3.554	3.554	(0.586)	79059	300.000	300.964(Q)	
16	acetone	43	3.607	3.607	(0.595)	13370	300.000	302.432	
17	trans-1,2-dichloroethene	96	3.701	3.701	(0.611)	76001	300.000	291.969	
18	Methyl Acetate	43	3.724	3.724	(0.614)	33642	300.000	307.188	
13	acrolein	56	3.328	3.328	(0.549)	5834	300.000	293.649(QM)	M1
19	methyl tert butyl ether	73	3.807	3.807	(0.628)	180756	300.000	304.206	
20	Tert-Butyl Alcohol	59	3.908	3.908	(0.645)	16951	1500.00	1430.433	
21	Diisopropyl Ether	45	4.161	4.161	(0.687)	238465	300.000	303.137	
22	1,1-dichloroethane	63	4.290	4.290	(0.708)	141296	300.000	302.079	
23	halothane	117	4.346	4.346	(0.717)	63704	300.000	307.481	
24	acrylonitrile	53	4.357	4.357	(0.719)	18380	300.000	303.394	
25	Ethyl-Tert-Butyl-Ether	59	4.510	4.510	(0.744)	215855	300.000	304.248	
26	vinyl acetate	43	4.532	4.532	(0.748)	171376	300.000	308.507	
27	cis-1,2-dichloroethene	96	4.811	4.811	(0.794)	92286	300.000	299.693	
28	2,2-dichloropropane	77	4.909	4.909	(0.810)	118097	300.000	311.286	
30	Cyclohexane	56	4.992	4.992	(0.824)	116574	300.000	301.332	
29	bromochloromethane	128	5.004	5.004	(0.826)	45210	300.000	310.437	

			QUANT SIG					AMOUNTS		
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	31	chloroform	83	5.073	5.073	(0.837)	153888	300.000	304.620	
	32	Ethyl Acetate	43	5.193	5.193	(0.857)	54285	300.000	301.771(M)	M1
	33	carbontetrachloride	117	5.199	5.199	(0.858)	120751	300.000	301.037	
	35	tetrahydrofuran	42	5.232	5.232	(0.863)	18861	300.000	320.694(M)	M1
$	36	dibromofluoromethane	113	5.255	5.255	(0.867)	33445	100.000	99.573	
	37	1,1,1-trichloroethane	97	5.271	5.271	(0.870)	133108	300.000	306.192	
	38	2-butanone	43	5.377	5.377	(0.887)	22949	300.000	301.961	
	39	1,1-dichloropropene	75	5.391	5.391	(0.890)	107676	300.000	305.279	
	40	benzene	78	5.639	5.639	(0.931)	323194	300.000	297.515	
	41	Tertiary-Amyl Methyl Ether	73	5.745	5.745	(0.948)	193363	300.000	307.540	
$	42	1,2-dichloroethane-d4	65	5.782	5.782	(0.954)	36563	100.000	100.389	
	43	1,2-dichloroethane	62	5.851	5.851	(0.965)	106753	300.000	312.719	
*	46	flourobenzene	96	6.061	6.061	(1.000)	122844	100.000		
	47	methyl cyclohexane	83	6.208	6.208	(1.024)	126096	300.000	297.521	
	48	trichloroethene	95	6.231	6.231	(1.028)	89802	300.000	293.859	
	50	dibromomethane	93	6.677	6.677	(1.102)	51838	300.000	320.285(Q)	
	52	1,2-dichloropropane	63	6.786	6.786	(1.120)	81165	300.000	307.397	
	53	bromodichloromethane	83	6.852	6.852	(1.131)	122536	300.000	319.282	
	54	1,4-Dioxane	88	7.067	7.067	(1.166)	9015	6000.00	7214.966(M)	M1
	56	2-Chloroethylvinyl ether	63	7.477	7.477	(1.234)	42657	300.000	327.715	
	57	cis-1,3-dichloropropene	75	7.541	7.541	(1.244)	134008	300.000	316.909	
$	58	toluene-d8	98	7.748	7.748	(0.808)	125156	100.000	101.327	
	59	toluene	92	7.803	7.803	(0.814)	211175	300.000	295.244	
	61	tetrachloroethene	166	8.238	8.238	(0.859)	94735	300.000	299.231(Q)	
	60	4-methyl-2-pentanone	58	8.250	8.250	(1.361)	19877	300.000	306.384(Q)	
	62	trans-1,3-dichloropropene	75	8.291	8.291	(0.865)	118658	300.000	323.885	
	65	ethyl-methacrylate	69	8.478	8.478	(0.885)	93967	300.000	323.177	
	66	1,1,2-trichloroethane	83	8.475	8.475	(0.884)	58819	300.000	309.670	
	67	chlorodibromomethane	129	8.685	8.685	(0.906)	91703	300.000	317.641	
	68	1,3-dichloropropane	76	8.805	8.805	(0.919)	118380	300.000	321.461	
	70	1,2-dibromoethane	107	8.963	8.963	(0.935)	71242	300.000	315.585(Q)	
	71	2-hexanone	43	9.254	9.254	(0.965)	36393	300.000	321.722	
*	72	chlorobenzene-d5	117	9.585	9.585	(1.000)	101250	100.000		
	73	chlorobenzene	112	9.608	9.608	(1.002)	258772	300.000	301.457	
	74	ethyl benzene	91	9.647	9.647	(1.006)	431990	300.000	300.302	
	75	1,1,1,2-tetrachloroethane	131	9.694	9.694	(1.011)	95431	300.000	316.910	
	76	p/m xylene	106	9.831	9.831	(1.026)	348689	600.000	586.956	
	77	o xylene	106	10.372	10.372	(1.082)	339028	600.000	586.019	
	78	styrene	104	10.439	10.439	(1.089)	592474	600.000	630.892	
	79	bromoform	173	10.461	10.461	(0.853)	55814	300.000	272.931	
	80	isopropylbenzene	105	10.748	10.748	(0.876)	440782	300.000	296.768	
$	81	4-bromofluorobenzene	95	11.072	11.072	(0.902)	45132	100.000	99.975	
	82	bromobenzene	156	11.180	11.180	(0.911)	108788	300.000	304.423	
	83	n-propylbenzene	91	11.225	11.225	(0.915)	513766	300.000	300.506	
	84	1,4-dichloro-2-butane	55	11.253	11.253	(0.917)	113772	300.000	313.596	
	85	1,1,2,2,-tetrachloroethane	83	11.317	11.317	(0.922)	86371	300.000	316.917	
	86	4-ethyltoluene	105	11.351	11.351	(0.925)	472532	300.000	300.526	
	88	2-chlorotoluene	91	11.390	11.390	(0.928)	302625	300.000	304.872	
	89	1,3,5-trimethybenzene	105	11.448	11.448	(0.933)	361955	300.000	297.929	
	90	1,2,3-trichloropropane	75	11.459	11.459	(0.934)	64682	300.000	300.147	
	91	trans-1,4-dichloro-2-butene	53	11.510	11.510	(0.938)	24689	300.000	330.065	
	92	4-chorotoluene	91	11.576	11.576	(0.943)	308679	300.000	307.089	
	93	tert-butylbenzene	119	11.786	11.786	(0.960)	365576	300.000	297.765	
	94	1,2,4-trimethylbenzene	105	11.864	11.864	(0.967)	347934	300.000	303.192	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
95	sec-butylbenzene	105	11.975	11.975	(0.976)	435986	300.000	303.157	
96	p-isopropyltoluene	119	12.126	12.126	(0.988)	362834	300.000	300.483	
97	1,3-dichlorobenzene	146	12.193	12.193	(0.994)	210666	300.000	301.915	
* 98	1,4-dichlorobenzene-d4	152	12.271	12.271	(1.000)	55830	100.000	(Q)	
99	1,4-dichlorobenzene	146	12.285	12.285	(1.001)	210733	300.000	301.373	
100	p-Diethylbenzene	119	12.497	12.497	(1.018)	218439	300.000	299.131	
101	n-butylbenzene	91	12.555	12.555	(1.023)	301581	300.000	303.534	
102	1,2-dichlorobenzene	146	12.709	12.709	(1.036)	189155	300.000	304.116	
103	1,2,4,5-tetramethylbenzene	119	13.286	13.286	(1.083)	323936	300.000	314.213	
104	1,2-dibromo-3-chloropropane	75	13.506	13.506	(1.101)	31263	300.000	326.836(M)	M1
105	1,3,5-trichlorobenzene	180	13.506	13.506	(1.101)	106079	300.000	308.165	
106	hexachlorobutadiene	225	14.078	14.078	(1.147)	32654	300.000	289.114	
107	1,2,4-trichlorobenzene	180	14.103	14.103	(1.149)	87321	300.000	311.781	
108	naphthalene	128	14.401	14.401	(1.174)	216941	300.000	320.915	
109	1,2,3-trichlorobenzene	180	14.566	14.566	(1.187)	75324	300.000	314.680	
188	Pentachloroethane	167	11.805	11.805	(0.962)	70605	300.000	272.273	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Lab File ID: 1107A07.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\liq8260C.m
Misc Info: wg838608,ical

Calibration Date: 07-NOV-2015
Calibration Time: 20:34
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

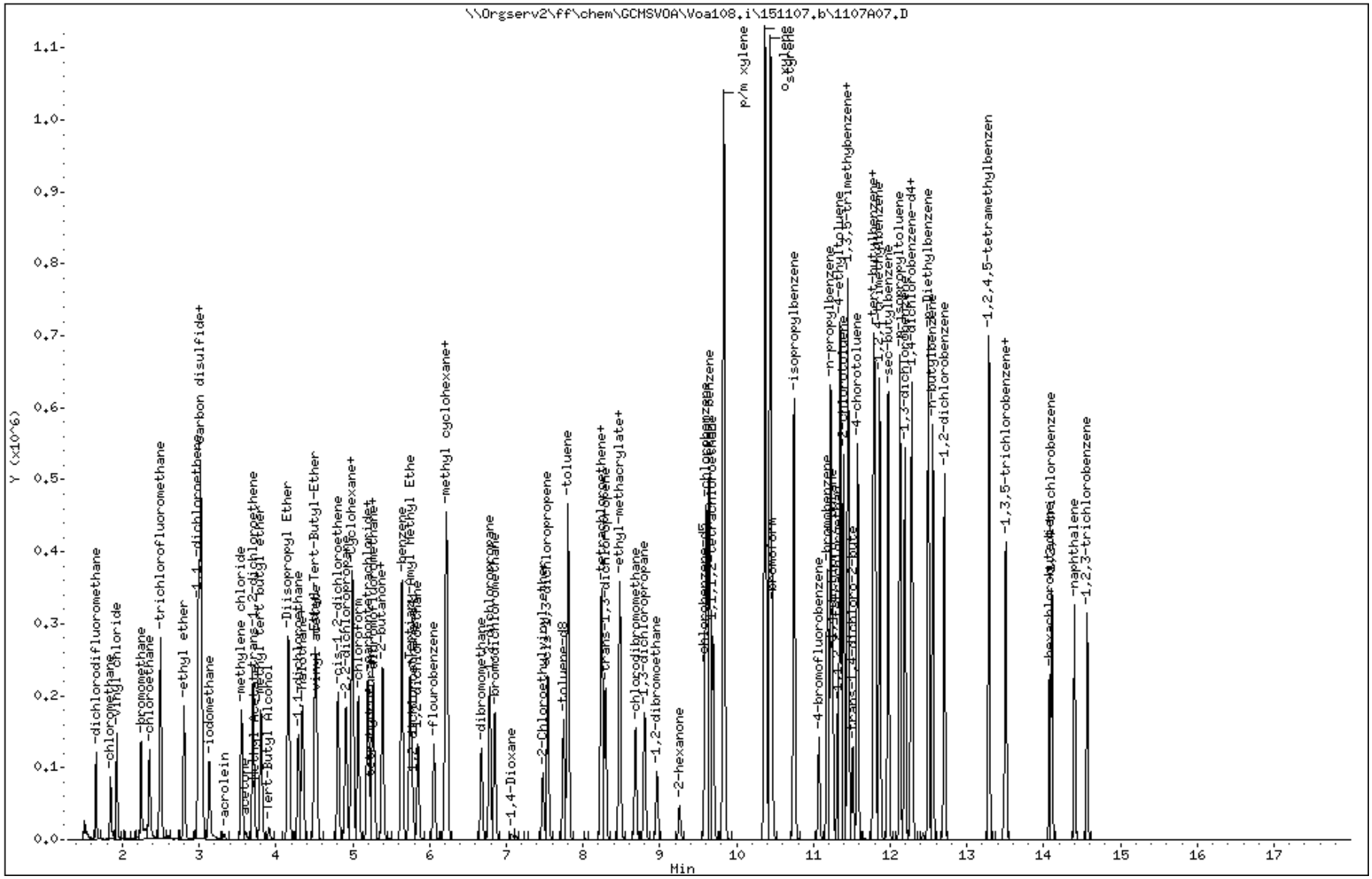
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	119738	59869	239476	122844	2.59
72 chlorobenzene-d5	96275	48138	192550	101250	5.17
98 1,4-dichlorobenze	50723	25362	101446	55830	10.07

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	6.06	5.56	6.56	6.06	0.00
72 chlorobenzene-d5	9.59	9.09	10.09	9.59	0.00
98 1,4-dichlorobenze	12.27	11.77	12.77	12.27	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A07.D
Date : 07-NOV-2015 21:02
Client ID:
Sample Info: wg838608-6, ical l4
Purge Volume: 10.0
Column phase:

Instrument: Voa108.i
Operator: PD
Column diameter: 0.18



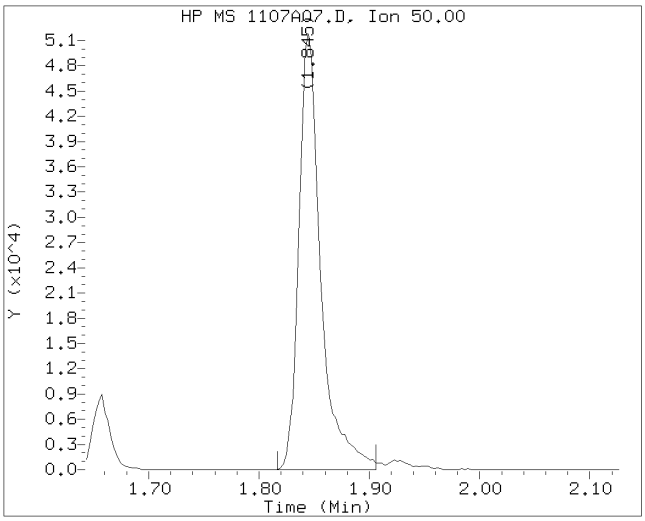
Alpha Analytical Labs

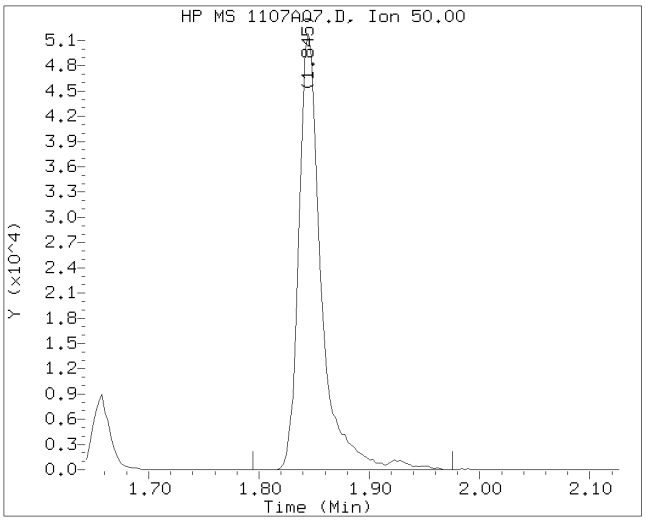
Manual Integration

Sample Info : wg838608-6, ical l4
wg838608,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A07.D
Injection Date : 07-NOV-2015 21:02
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_4

Compound # 2: chloromethane

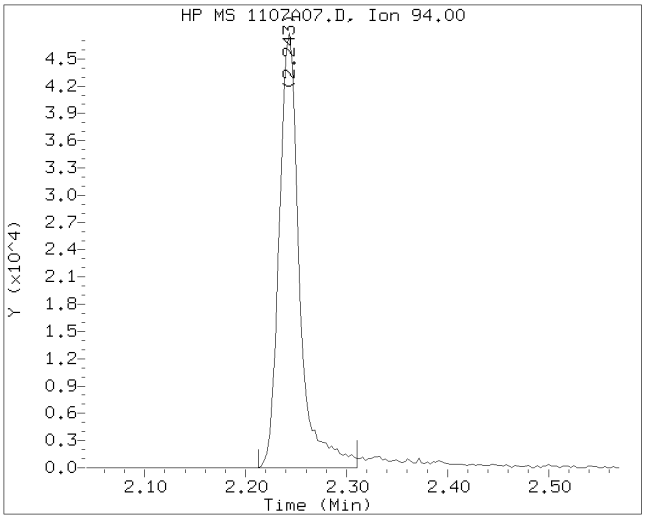


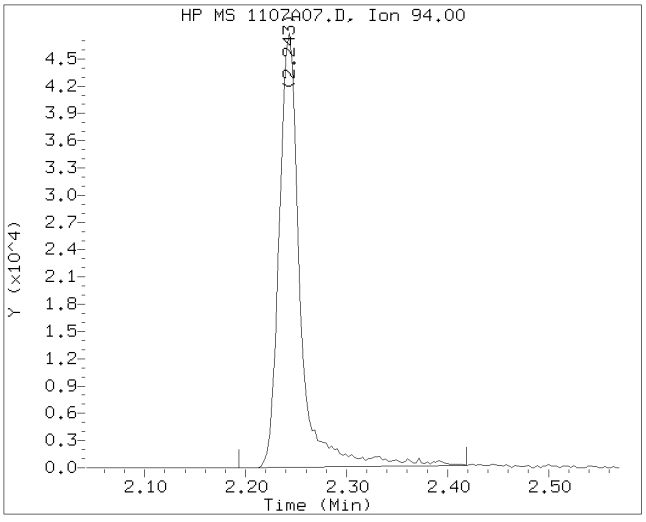


Original Peak Response = 72504 Manual Peak Response = 74603 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 4: bromomethane





Original Peak Response = 67434 Manual Peak Response = 70192 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

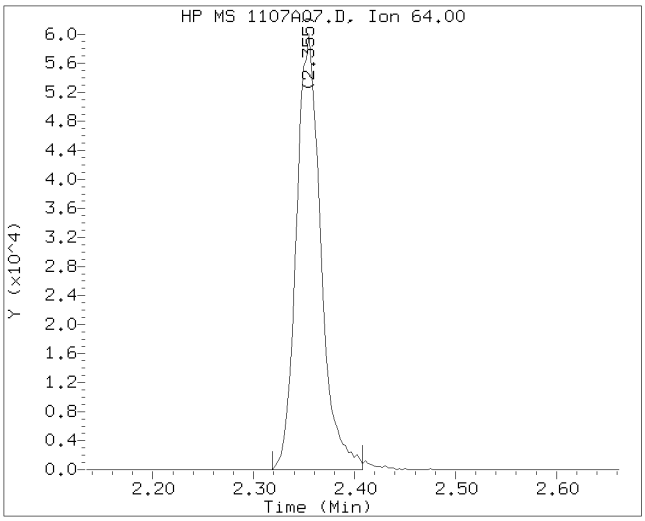
Alpha Analytical Labs

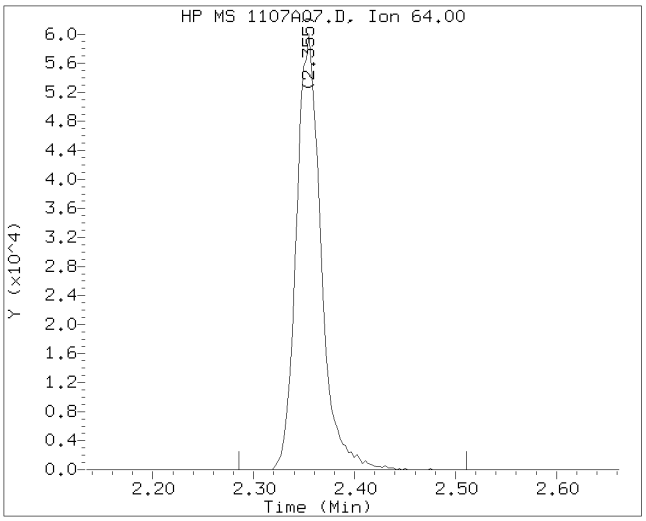
Manual Integration

Sample Info : ICAL L4
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A07.D
Injection Date : 07-NOV-2015 21:02
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_4

Compound # 5: chloroethane

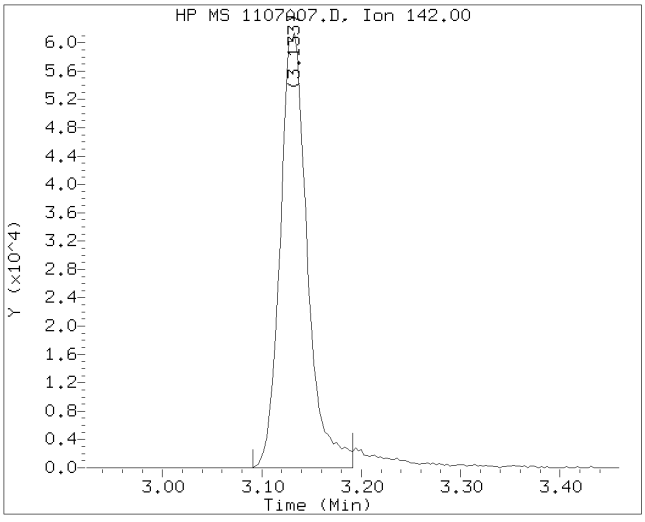


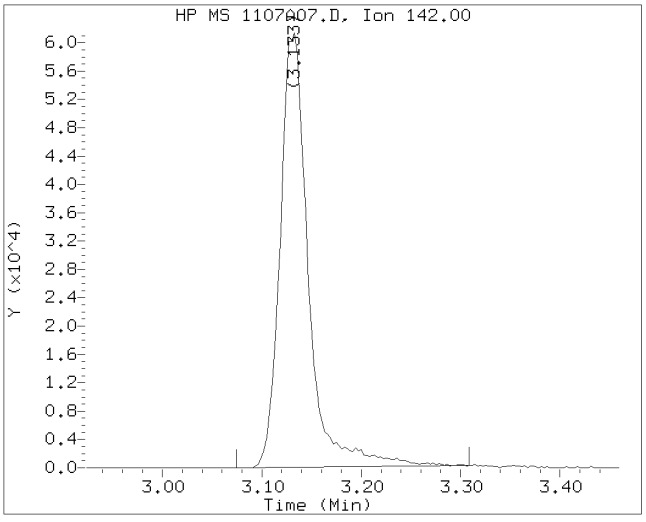


Original Peak Response = 101367 Manual Peak Response = 102423 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 12: iodomethane





Original Peak Response = 117061 Manual Peak Response = 121586 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

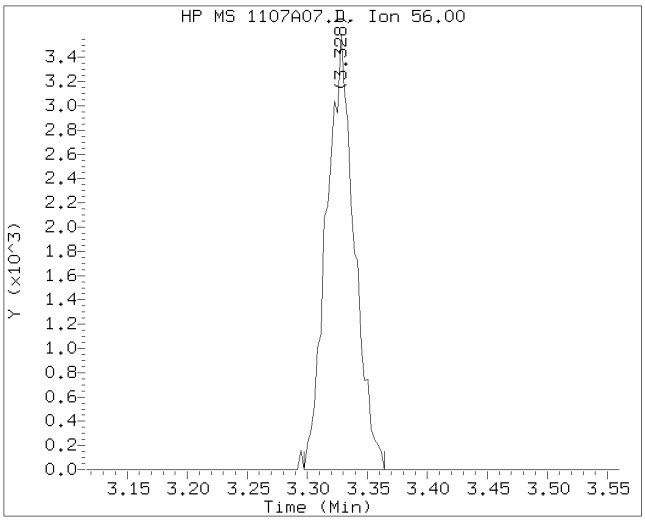
Alpha Analytical Labs

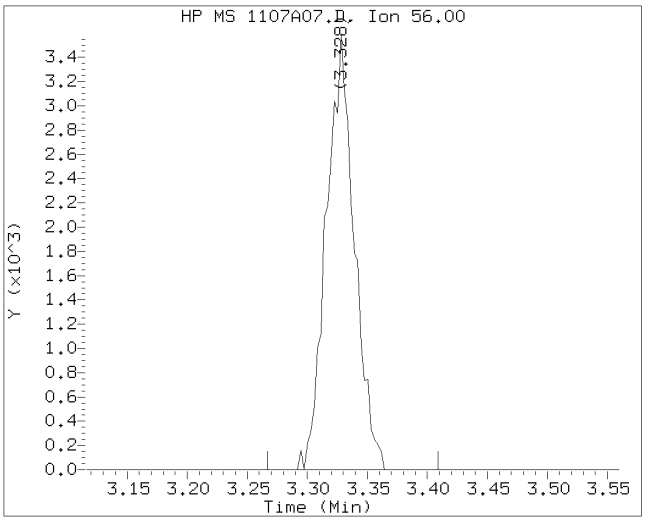
Manual Integration

Sample Info : ICAL L4
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A07.D
Injection Date : 07-NOV-2015 21:02
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_4

Compound # 13: acrolein

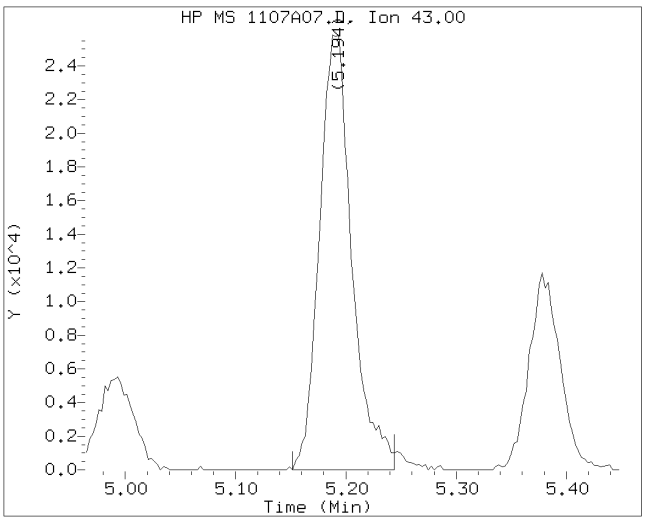


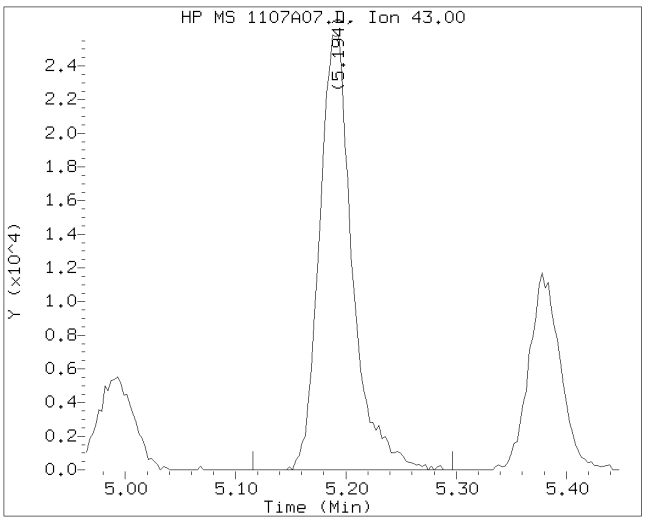


Original Peak Response = 5808 Manual Peak Response = 5834 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 32: Ethyl Acetate





Original Peak Response = 53248 Manual Peak Response = 54285 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

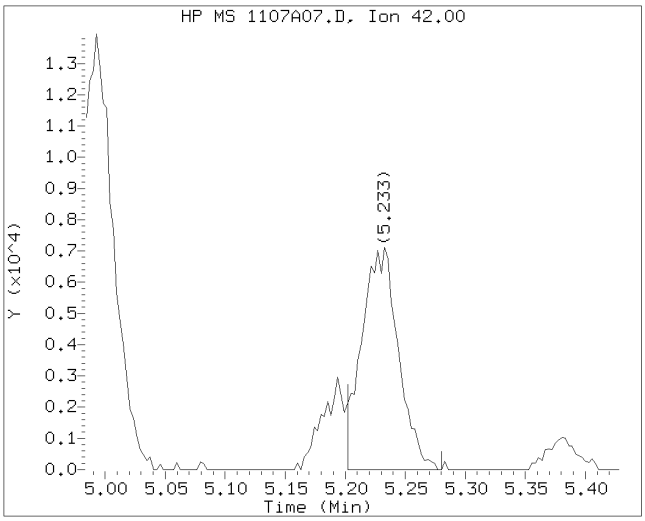
Alpha Analytical Labs

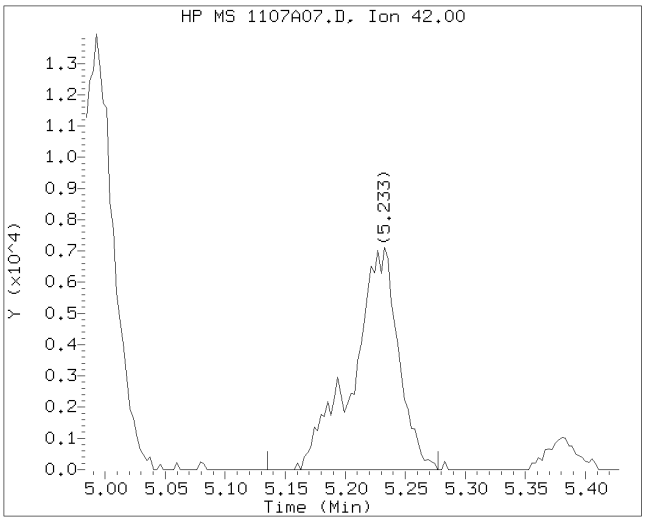
Manual Integration

Sample Info : ICAL L4
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A07.D
Injection Date : 07-NOV-2015 21:02
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_4

Compound # 35: tetrahydrofuran

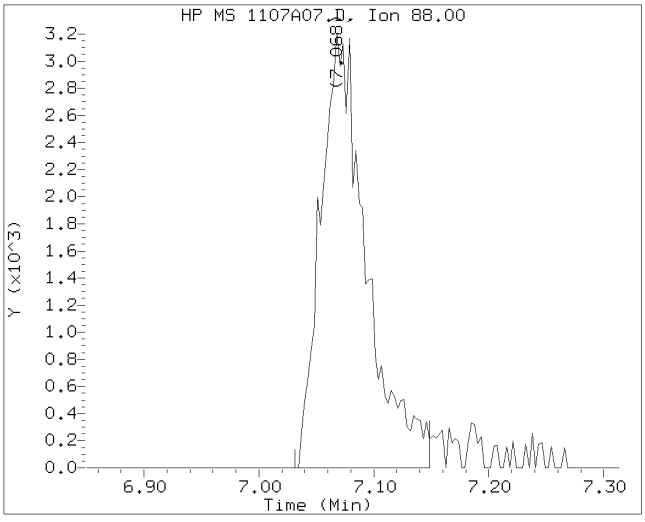


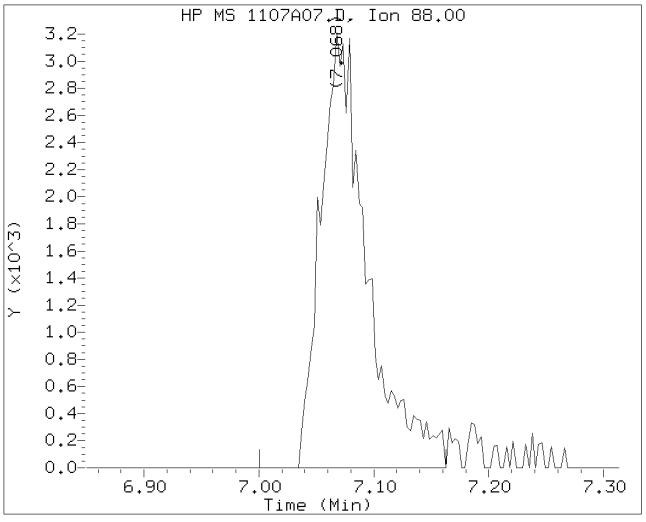


Original Peak Response = 15284 Manual Peak Response = 18861 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 54: 1,4-Dioxane





Original Peak Response = 8850 Manual Peak Response = 9015 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

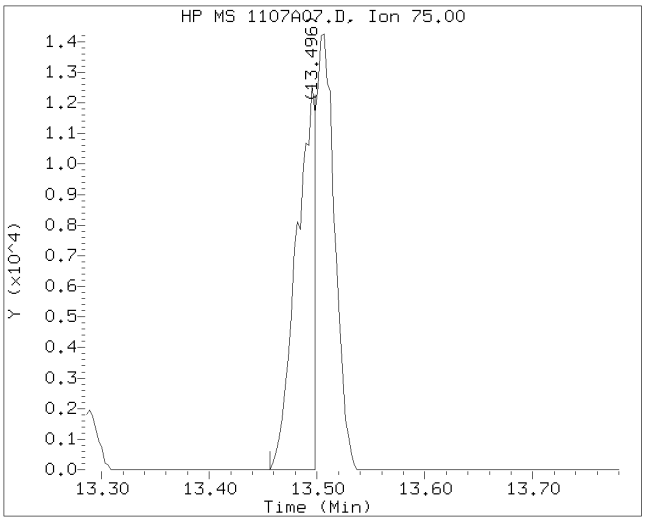
Alpha Analytical Labs

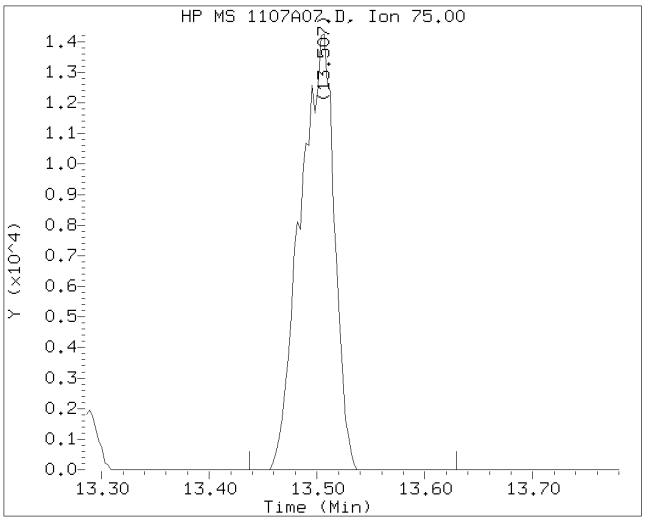
Manual Integration

Sample Info : ICAL L4
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A07.D
Injection Date : 07-NOV-2015 21:02
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_4

Compound # 104: 1,2-dibromo-3-chloropropane





Original Peak Response = 15649 Manual Peak Response = 31263 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A08.D
Lab Smp Id:
Inj Date : 07-NOV-2015 21:31
Operator : PD Inst ID: Voa108.i
Smp Info : wg838608-7, ical l6
Misc Info : wg838608,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\liq8260C.m
Meth Date : 08-Nov-2015 13:44 Voa108.i Quant Type: ISTD
Cal Date : 07-NOV-2015 21:02 Cal File: 1107A07.D
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve+acro.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	1.657	1.657	(0.273)	210835	800.000	790.108	
2	chloromethane	50	1.844	1.844	(0.304)	206576	800.000	758.040(M)	M1
3	vinyl chloride	62	1.925	1.925	(0.318)	275647	800.000	786.144	
4	bromomethane	94	2.240	2.240	(0.370)	244142	800.000	753.898(M)	M1
5	chloroethane	64	2.346	2.346	(0.387)	323903	800.000	881.225(M)	M1
6	trichlorofluoromethane	101	2.491	2.491	(0.411)	659160	800.000	776.902	
7	ethyl ether	74	2.803	2.803	(0.463)	213185	800.000	783.204	
9	1,1,-dichloroethene	96	2.990	2.990	(0.493)	366938	800.000	774.565(Q)	
10	carbon disulfide	76	3.015	3.015	(0.498)	1043468	800.000	741.848	
11	freon-113	101	3.024	3.024	(0.499)	376281	800.000	781.550	
12	iodomethane	142	3.130	3.130	(0.516)	402089	800.000	728.159	
15	methylene chloride	84	3.553	3.553	(0.586)	230629	800.000	782.688	
16	acetone	43	3.612	3.612	(0.596)	35007	800.000	764.956	
17	trans-1,2-dichloroethene	96	3.701	3.701	(0.611)	227214	800.000	778.152	
18	Methyl Acetate	43	3.724	3.724	(0.614)	99451	800.000	809.550	
13	acrolein	56	3.328	3.328	(0.549)	17458	800.000	774.613(Q)	
19	methyl tert butyl ether	73	3.804	3.804	(0.628)	543949	800.000	816.102	
20	Tert-Butyl Alcohol	59	3.913	3.913	(0.646)	46278	4000.00	3481.433	
21	Diisopropyl Ether	45	4.164	4.164	(0.687)	714844	800.000	810.098	
22	1,1-dichloroethane	63	4.292	4.292	(0.708)	415687	800.000	792.260	
23	halothane	117	4.343	4.343	(0.717)	191933	800.000	825.872	
24	acrylonitrile	53	4.354	4.354	(0.718)	55343	800.000	814.397	
25	Ethyl-Tert-Butyl-Ether	59	4.510	4.510	(0.744)	656515	800.000	824.940	
26	vinyl acetate	43	4.529	4.529	(0.747)	524708	800.000	842.062	
27	cis-1,2-dichloroethene	96	4.808	4.808	(0.793)	272680	800.000	789.416	
28	2,2-dichloropropane	77	4.911	4.911	(0.810)	351258	800.000	825.390	
30	Cyclohexane	56	4.987	4.987	(0.823)	354658	800.000	817.267	
29	bromochloromethane	128	5.004	5.004	(0.826)	134861	800.000	825.537	

			QUANT SIG					AMOUNTS		
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	31	chloroform	83	5.073	5.073	(0.837)	448028	800.000	790.624	
	32	Ethyl Acetate	43	5.190	5.190	(0.856)	160964	800.000	797.698	
	33	carbontetrachloride	117	5.199	5.199	(0.858)	365928	800.000	813.273	
	35	tetrahydrofuran	42	5.227	5.227	(0.862)	55771	800.000	845.368(M)	M1
$	36	dibromofluoromethane	113	5.255	5.255	(0.867)	38492	100.000	102.162	
	37	1,1,1-trichloroethane	97	5.271	5.271	(0.870)	392744	800.000	805.398	
	38	2-butanone	43	5.380	5.380	(0.888)	63395	800.000	761.617(Q)	
	39	1,1-dichloropropene	75	5.388	5.388	(0.889)	318943	800.000	806.125	
	40	benzene	78	5.642	5.642	(0.931)	964513	800.000	791.527	
	41	Tertiary-Amyl Methyl Ether	73	5.748	5.748	(0.948)	588966	800.000	835.083	
$	42	1,2-dichloroethane-d4	65	5.782	5.782	(0.954)	41292	100.000	101.070	
	43	1,2-dichloroethane	62	5.848	5.848	(0.965)	306764	800.000	801.106	
*	46	flourobenzene	96	6.060	6.060	(1.000)	137798	100.000		
	47	methyl cyclohexane	83	6.214	6.214	(1.025)	388798	800.000	817.810	
	48	trichloroethene	95	6.228	6.228	(1.028)	276308	800.000	806.043	
	50	dibromomethane	93	6.679	6.679	(1.102)	152570	800.000	840.368	
	52	1,2-dichloropropane	63	6.785	6.785	(1.120)	240282	800.000	811.268	
	53	bromodichloromethane	83	6.850	6.850	(1.130)	359062	800.000	834.050	
	54	1,4-Dioxane	88	7.067	7.067	(1.166)	11923	8000.00	8506.779(M)	M1
	56	2-Chloroethylvinyl ether	63	7.477	7.477	(1.234)	123113	800.000	843.183	
	57	cis-1,3-dichloropropene	75	7.541	7.541	(1.244)	401912	800.000	847.317	
$	58	toluene-d8	98	7.748	7.748	(0.808)	139489	100.000	96.962	
	59	toluene	92	7.803	7.803	(0.814)	653156	800.000	784.045	
	61	tetrachloroethene	166	8.241	8.241	(0.859)	289377	800.000	784.778	
	60	4-methyl-2-pentanone	58	8.249	8.249	(1.361)	60956	800.000	837.612	
	62	trans-1,3-dichloropropene	75	8.291	8.291	(0.865)	358615	800.000	840.442	
	65	ethyl-methacrylate	69	8.478	8.478	(0.884)	292899	800.000	864.906	
	66	1,1,2-trichloroethane	83	8.478	8.478	(0.884)	176425	800.000	797.495	
	67	chlorodibromomethane	129	8.685	8.685	(0.906)	284282	800.000	845.452	
	68	1,3-dichloropropane	76	8.804	8.804	(0.918)	344559	800.000	803.341	
	70	1,2-dibromoethane	107	8.963	8.963	(0.935)	213950	800.000	813.726	
	71	2-hexanone	43	9.256	9.256	(0.965)	108527	800.000	823.733	
*	72	chlorobenzene-d5	117	9.591	9.591	(1.000)	117926	100.000		
	73	chlorobenzene	112	9.608	9.608	(1.002)	789587	800.000	789.758	
	74	ethyl benzene	91	9.647	9.647	(1.006)	1352256	800.000	807.104	
	75	1,1,1,2-tetrachloroethane	131	9.691	9.691	(1.010)	289356	800.000	825.022	
	76	p/m xylene	106	9.833	9.833	(1.025)	1123272	1600.00	1623.445	
	77	o xylene	106	10.374	10.374	(1.082)	1104973	1600.00	1639.886	
	78	styrene	104	10.441	10.441	(1.089)	1962315	1600.00	1794.072	
	79	bromoform	173	10.461	10.461	(0.853)	182386	800.000	763.313	
	80	isopropylbenzene	105	10.751	10.751	(0.876)	1367214	800.000	795.743	
$	81	4-bromofluorobenzene	95	11.069	11.069	(0.902)	50374	100.000	96.462	
	82	bromobenzene	156	11.183	11.183	(0.911)	325024	800.000	786.240	
	83	n-propylbenzene	91	11.225	11.225	(0.915)	1589189	800.000	803.538	
	84	1,4-dichloro-2-butane	55	11.253	11.253	(0.917)	336506	800.000	801.809	
	85	1,1,2,2,-tetrachloroethane	83	11.317	11.317	(0.922)	249727	800.000	792.112	
	86	4-ethyltoluene	105	11.350	11.350	(0.925)	1486524	800.000	817.270	
	88	2-chlorotoluene	91	11.392	11.392	(0.928)	906885	800.000	789.785	
	89	1,3,5-trimethybenzene	105	11.451	11.451	(0.933)	1128216	800.000	802.773	
	90	1,2,3-trichloropropane	75	11.459	11.459	(0.934)	204260	800.000	819.365	
	91	trans-1,4-dichloro-2-butene	53	11.512	11.512	(0.938)	70614	800.000	816.075	
	92	4-chorotoluene	91	11.576	11.576	(0.943)	919502	800.000	790.776	
	93	tert-butylbenzene	119	11.785	11.785	(0.960)	1155504	800.000	813.600	
	94	1,2,4-trimethylbenzene	105	11.864	11.864	(0.967)	1071918	800.000	807.468	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	95 sec-butylbenzene	105	11.972	11.972	(0.976)	1343102	800.000	807.323	
	96 p-isopropyltoluene	119	12.128	12.128	(0.988)	1155722	800.000	827.385	
	97 1,3-dichlorobenzene	146	12.193	12.193	(0.994)	646168	800.000	800.532	
*	98 1,4-dichlorobenzene-d4	152	12.271	12.271	(1.000)	64584	100.000	(Q)	
	99 1,4-dichlorobenzene	146	12.287	12.287	(1.001)	638660	800.000	789.560	
	100 p-Diethylbenzene	119	12.497	12.497	(1.018)	696283	800.000	824.252	
	101 n-butylbenzene	91	12.555	12.555	(1.023)	938042	800.000	816.148	
	102 1,2-dichlorobenzene	146	12.709	12.709	(1.036)	569790	800.000	791.917	
	103 1,2,4,5-tetramethylbenzene	119	13.286	13.286	(1.083)	992662	800.000	832.358	
	104 1,2-dibromo-3-chloropropane	75	13.506	13.506	(1.101)	94105	800.000	850.463	
	105 1,3,5-trichlorobenzene	180	13.509	13.509	(1.101)	325536	800.000	817.515	
	106 hexachlorobutadiene	225	14.078	14.078	(1.147)	95942	800.000	729.413	
	107 1,2,4-trichlorobenzene	180	14.103	14.103	(1.149)	264357	800.000	815.953	
	108 naphthalene	128	14.401	14.401	(1.174)	670453	800.000	857.353	
	109 1,2,3-trichlorobenzene	180	14.566	14.566	(1.187)	229077	800.000	827.295	
	188 Pentachloroethane	167	11.805	11.805	(0.962)	225468	800.000	745.803	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Lab File ID: 1107A08.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\liq8260C.m
Misc Info: wg838608,ical

Calibration Date: 07-NOV-2015
Calibration Time: 20:34
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	119738	59869	239476	137798	15.08
72 chlorobenzene-d5	96275	48138	192550	117926	22.49
98 1,4-dichlorobenze	50723	25362	101446	64584	27.33

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	6.06	5.56	6.56	6.06	-0.00
72 chlorobenzene-d5	9.59	9.09	10.09	9.59	0.06
98 1,4-dichlorobenze	12.27	11.77	12.77	12.27	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A08.D

Date : 07-NOV-2015 21:31

Client ID:

Instrument: Voa108.i

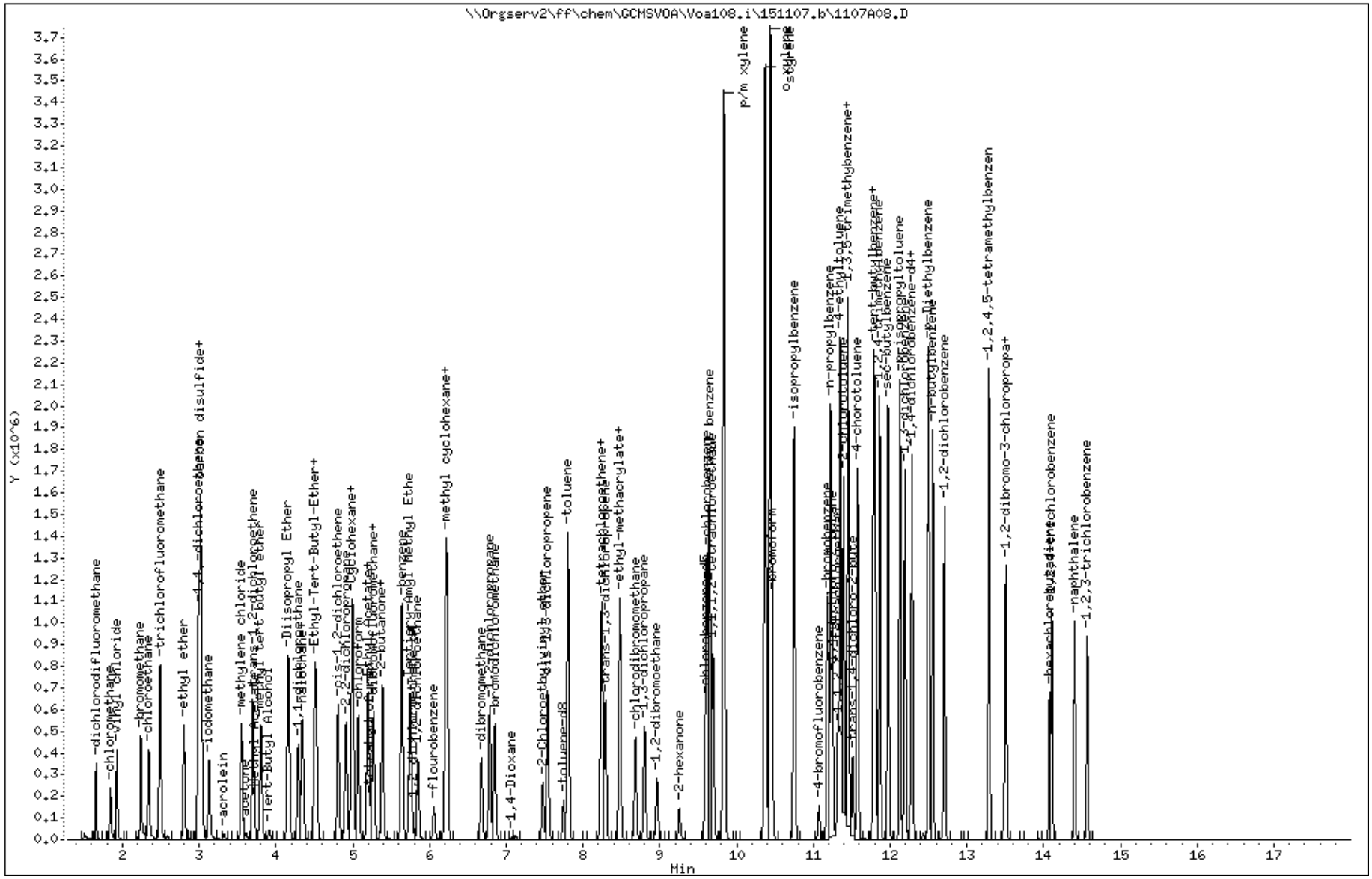
Sample Info: wg838608-7, ical 16

Purge Volume: 10.0

Operator: PD

Column phase:

Column diameter: 0.18



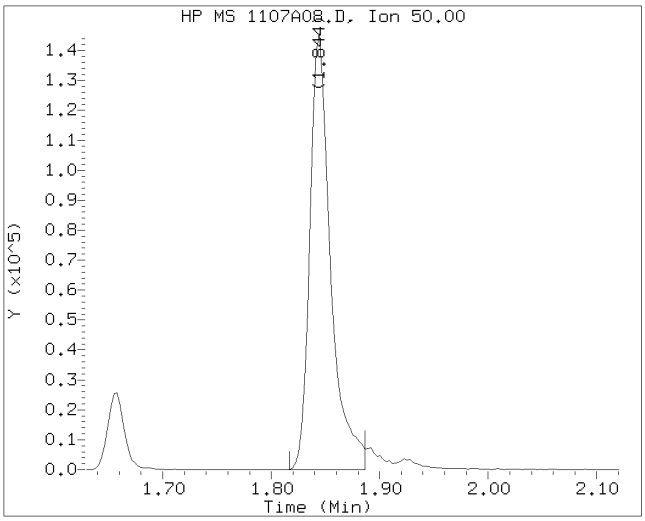
Alpha Analytical Labs

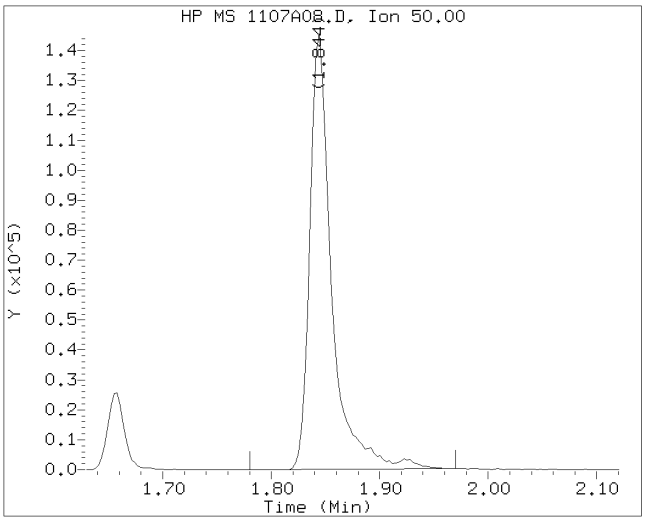
Manual Integration

Sample Info : wg838608-7, ical l6
wg838608,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A08.D
Injection Date : 07-NOV-2015 21:31
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_6

Compound # 2: chloromethane

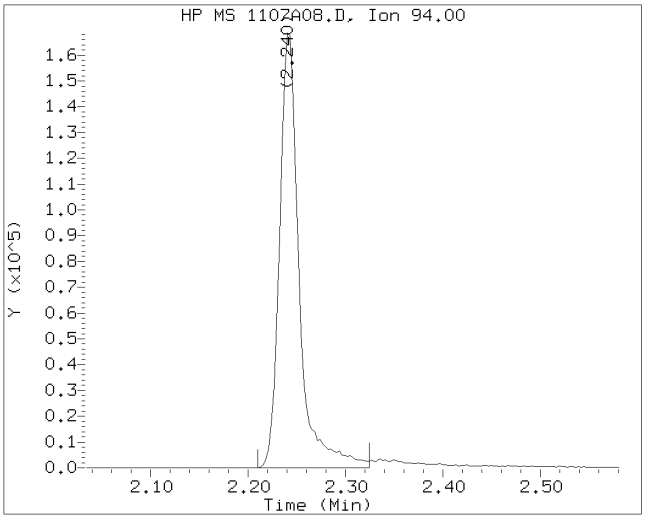


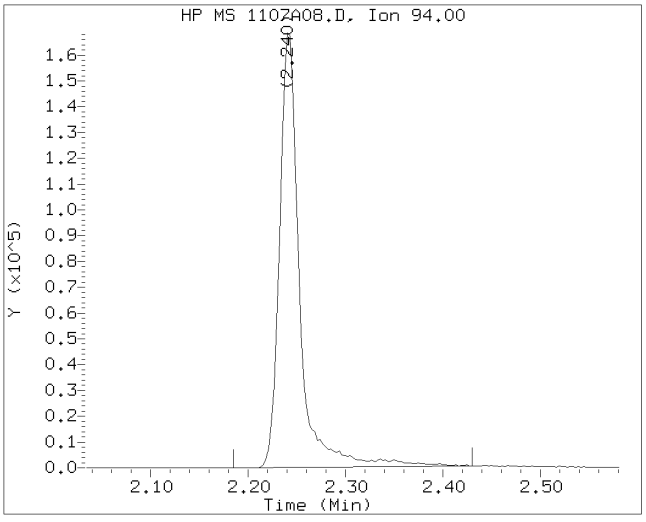


Original Peak Response = 196207 Manual Peak Response = 206576 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 4: bromomethane





Original Peak Response = 238751 Manual Peak Response = 244142 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

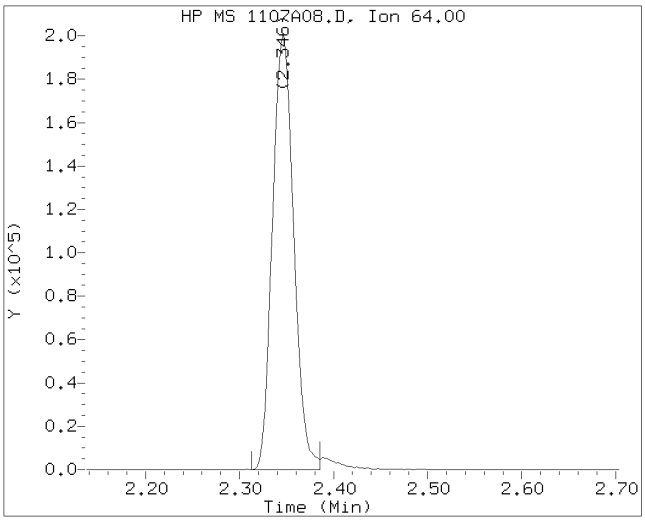
Alpha Analytical Labs

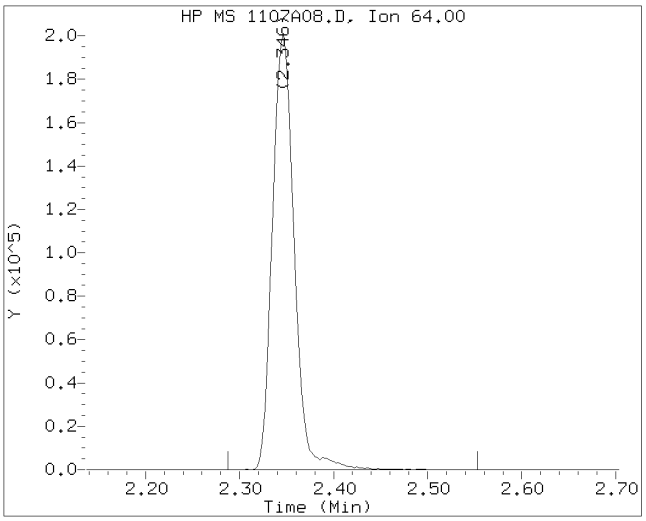
Manual Integration

Sample Info : ICAL L6
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A08.D
Injection Date : 07-NOV-2015 21:31
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_6

Compound # 5: chloroethane

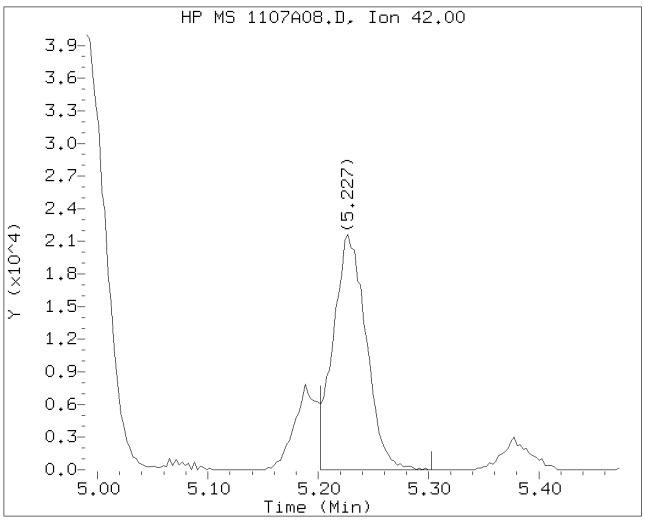


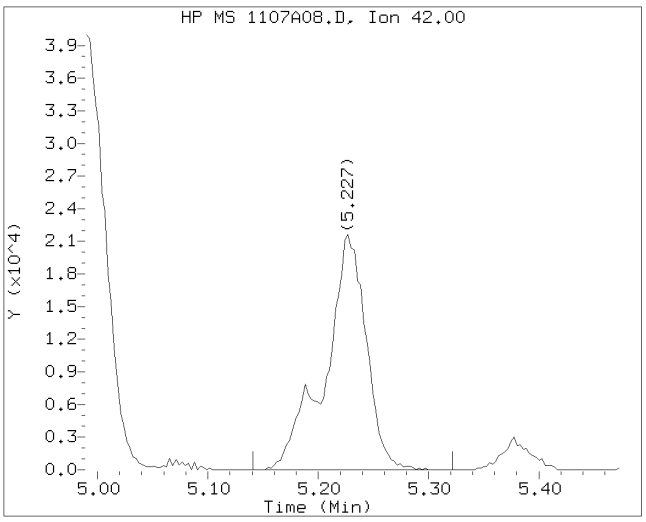


Original Peak Response = 315343 Manual Peak Response = 323903 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 35: tetrahydrofuran





Original Peak Response = 45157 Manual Peak Response = 55771 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

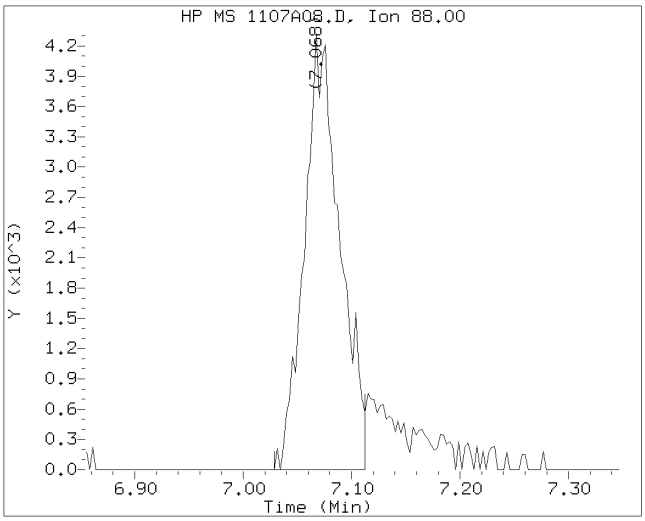
Alpha Analytical Labs

Manual Integration

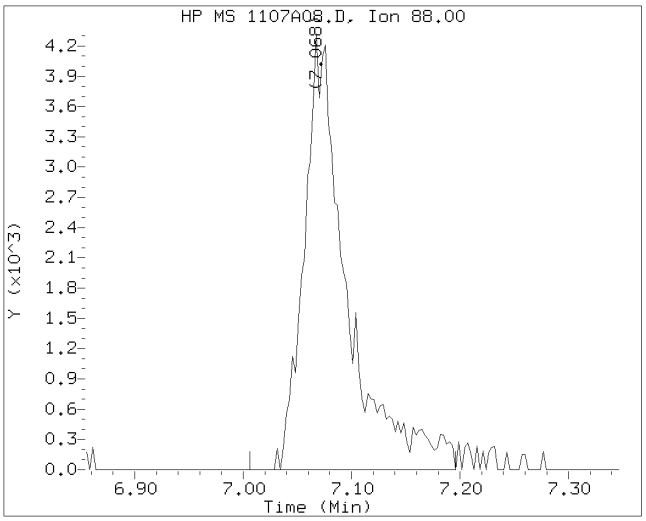
Sample Info : ICAL L6
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A08.D
Injection Date : 07-NOV-2015 21:31
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_6

Compound # 54: 1,4-Dioxane



Original Peak Response = 9920



Manual Peak Response = 11923 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A09.D
Lab Smp Id:
Inj Date : 07-NOV-2015 21:59
Operator : PD Inst ID: Voa108.i
Smp Info : wg838608-8, ical l8
Misc Info : wg838608,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\liq8260C.m
Meth Date : 08-Nov-2015 13:44 Voa108.i Quant Type: ISTD
Cal Date : 07-NOV-2015 21:31 Cal File: 1107A08.D
Als bottle: 9 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve+acro.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	1.655	1.655	(0.273)	367464	1200.00	1283.385	
2	chloromethane	50	1.841	1.841	(0.304)	350032	1200.00	1197.066(M)	M1
3	vinyl chloride	62	1.922	1.922	(0.318)	457181	1200.00	1215.164	
4	bromomethane	94	2.237	2.237	(0.370)	473769	1200.00	1246.811(M)	M1
5	chloroethane	64	2.338	2.338	(0.386)	459105	1200.00	1164.078(M)	M1
6	trichlorofluoromethane	101	2.483	2.483	(0.410)	1183131	1200.00	1299.590	
7	ethyl ether	74	2.801	2.801	(0.463)	348030	1200.00	1191.607	
9	1,1,-dichloroethene	96	2.985	2.985	(0.493)	631531	1200.00	1242.390	
10	carbon disulfide	76	3.010	3.010	(0.497)	1815509	1200.00	1202.908	
11	freon-113	101	3.021	3.021	(0.499)	659828	1200.00	1277.243	
12	iodomethane	142	3.127	3.127	(0.516)	712998	1200.00	1190.680	
15	methylene chloride	84	3.548	3.548	(0.586)	387555	1200.00	1225.762	
16	acetone	43	3.607	3.607	(0.596)	58230	1200.00	1210.183	
17	trans-1,2-dichloroethene	96	3.699	3.699	(0.611)	391584	1200.00	1249.834	
18	Methyl Acetate	43	3.718	3.718	(0.614)	164263	1200.00	1246.156	
13	acrolein	56	3.322	3.322	(0.549)	29525	1200.00	1217.871(TQ)	
19	methyl tert butyl ether	73	3.805	3.805	(0.628)	911185	1200.00	1274.064	
20	Tert-Butyl Alcohol	59	3.913	3.913	(0.646)	85536	6000.00	5996.951	
21	Diisopropyl Ether	45	4.159	4.159	(0.687)	1199561	1200.00	1266.914	
22	1,1-dichloroethane	63	4.290	4.290	(0.708)	709085	1200.00	1259.500	
23	halothane	117	4.343	4.343	(0.717)	330162	1200.00	1324.001	
24	acrylonitrile	53	4.354	4.354	(0.719)	91128	1200.00	1249.751	
25	Ethyl-Tert-Butyl-Ether	59	4.510	4.510	(0.745)	1111582	1200.00	1301.719	
26	vinyl acetate	43	4.530	4.530	(0.748)	862123	1200.00	1289.418	
27	cis-1,2-dichloroethene	96	4.808	4.808	(0.794)	456887	1200.00	1232.706	
28	2,2-dichloropropane	77	4.909	4.909	(0.811)	602417	1200.00	1319.253	
30	Cyclohexane	56	4.990	4.990	(0.824)	622632	1200.00	1337.162	
29	bromochloromethane	128	4.998	4.998	(0.825)	224532	1200.00	1280.934	

			QUANT SIG					AMOUNTS		
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	31	chloroform	83	5.071	5.071	(0.837)	750202	1200.00	1233.789	
	32	Ethyl Acetate	43	5.188	5.188	(0.857)	262685	1200.00	1213.230	
	33	carbontetrachloride	117	5.199	5.199	(0.859)	647381	1200.00	1340.907	
	35	tetrahydrofuran	42	5.230	5.230	(0.864)	89622	1200.00	1266.048	
$	36	dibromofluoromethane	113	5.252	5.252	(0.867)	41380	100.000	102.355	
	37	1,1,1-trichloroethane	97	5.266	5.266	(0.870)	681638	1200.00	1302.725	
	38	2-butanone	43	5.377	5.377	(0.888)	106489	1200.00	1199.253	
	39	1,1-dichloropropene	75	5.386	5.386	(0.889)	547816	1200.00	1290.394	
	40	benzene	78	5.639	5.639	(0.931)	1630729	1200.00	1247.204	
	41	Tertiary-Amyl Methyl Ether	73	5.748	5.748	(0.949)	980905	1200.00	1296.178	
$	42	1,2-dichloroethane-d4	65	5.779	5.779	(0.954)	44567	100.000	101.664	
	43	1,2-dichloroethane	62	5.851	5.851	(0.966)	502833	1200.00	1223.791	
*	46	flourobenzene	96	6.055	6.055	(1.000)	147858	100.000		
	47	methyl cyclohexane	83	6.211	6.211	(1.026)	693270	1200.00	1359.030	
	48	trichloroethene	95	6.225	6.225	(1.028)	479927	1200.00	1304.783	
	50	dibromomethane	93	6.674	6.674	(1.102)	254290	1200.00	1305.352	
	52	1,2-dichloropropane	63	6.783	6.783	(1.120)	402525	1200.00	1266.584	
	53	bromodichloromethane	83	6.850	6.850	(1.131)	600515	1200.00	1300.004	
	54	1,4-Dioxane	88	7.073	7.073	(1.168)	19443	12000.0	12928.286(M)	M1
	56	2-Chloroethylvinyl ether	63	7.477	7.477	(1.235)	201918	1200.00	1288.816	
	57	cis-1,3-dichloropropene	75	7.541	7.541	(1.245)	678822	1200.00	1333.733	
$	58	toluene-d8	98	7.745	7.745	(0.808)	147804	100.000	93.227	
	59	toluene	92	7.803	7.803	(0.814)	1120041	1200.00	1219.985	
	61	tetrachloroethene	166	8.238	8.238	(0.859)	504563	1200.00	1241.637	
	60	4-methyl-2-pentanone	58	8.252	8.252	(1.363)	103167	1200.00	1321.191	
	62	trans-1,3-dichloropropene	75	8.291	8.291	(0.865)	596540	1200.00	1268.573	
	65	ethyl-methacrylate	69	8.478	8.478	(0.884)	494542	1200.00	1325.106	
	66	1,1,2-trichloroethane	83	8.478	8.478	(0.884)	295185	1200.00	1210.762	
	67	chlorodibromomethane	129	8.682	8.682	(0.905)	476260	1200.00	1285.228	
	68	1,3-dichloropropane	76	8.802	8.802	(0.918)	567440	1200.00	1200.474	
	70	1,2-dibromoethane	107	8.961	8.961	(0.934)	348626	1200.00	1203.156	
	71	2-hexanone	43	9.256	9.256	(0.965)	175300	1200.00	1207.333	
*	72	chlorobenzene-d5	117	9.591	9.591	(1.000)	129961	100.000		
	73	chlorobenzene	112	9.608	9.608	(1.002)	1343643	1200.00	1219.480	
	74	ethyl benzene	91	9.647	9.647	(1.006)	2301796	1200.00	1246.619	
	75	1,1,1,2-tetrachloroethane	131	9.694	9.694	(1.011)	492244	1200.00	1273.533	
	76	p/m xylene	106	9.836	9.836	(1.026)	2035781	2400.00	2669.810	
	77	o xylene	106	10.375	10.375	(1.082)	1992366	2400.00	2683.043	
	78	styrene	104	10.444	10.444	(1.089)	3538873	2400.00	2935.842	
	79	bromoform	173	10.464	10.464	(0.853)	315743	1200.00	1195.878	
	80	isopropylbenzene	105	10.751	10.751	(0.876)	2388812	1200.00	1260.751	
$	81	4-bromofluorobenzene	95	11.072	11.072	(0.902)	53979	100.000	93.731	
	82	bromobenzene	156	11.183	11.183	(0.911)	558794	1200.00	1225.751	
	83	n-propylbenzene	91	11.228	11.228	(0.915)	2773928	1200.00	1271.854	
	84	1,4-dichloro-2-butane	55	11.253	11.253	(0.917)	549575	1200.00	1187.451	
	85	1,1,2,2,-tetrachloroethane	83	11.320	11.320	(0.922)	408768	1200.00	1175.733	
	86	4-ethyltoluene	105	11.353	11.353	(0.925)	2616125	1200.00	1304.256	
	88	2-chlorotoluene	91	11.392	11.392	(0.928)	1535941	1200.00	1212.947	
	89	1,3,5-trimethybenzene	105	11.451	11.451	(0.933)	1998114	1200.00	1289.234	
	90	1,2,3-trichloropropane	75	11.457	11.457	(0.933)	345056	1200.00	1255.147	
	91	trans-1,4-dichloro-2-butene	53	11.512	11.512	(0.938)	116548	1200.00	1221.392	
	92	4-chorotoluene	91	11.576	11.576	(0.943)	1596172	1200.00	1244.776	
	93	tert-butylbenzene	119	11.788	11.788	(0.960)	2081432	1200.00	1328.962	
	94	1,2,4-trimethylbenzene	105	11.867	11.867	(0.967)	1854652	1200.00	1266.884	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	95 sec-butylbenzene	105	11.975	11.975	(0.976)	2371580	1200.00	1292.668	
	96 p-isopropyltoluene	119	12.129	12.129	(0.988)	2063791	1200.00	1339.772	
	97 1,3-dichlorobenzene	146	12.193	12.193	(0.993)	1115156	1200.00	1252.795	
*	98 1,4-dichlorobenzene-d4	152	12.274	12.274	(1.000)	71222	100.000	(Q)	
	99 1,4-dichlorobenzene	146	12.288	12.288	(1.001)	1111658	1200.00	1246.228	
	100 p-Diethylbenzene	119	12.500	12.500	(1.018)	1247633	1200.00	1339.282	
	101 n-butylbenzene	91	12.558	12.558	(1.023)	1655441	1200.00	1306.084	
	102 1,2-dichlorobenzene	146	12.709	12.709	(1.035)	990303	1200.00	1248.083	
	103 1,2,4,5-tetramethylbenzene	119	13.286	13.286	(1.082)	1741701	1200.00	1324.320	
	104 1,2-dibromo-3-chloropropane	75	13.506	13.506	(1.100)	161401	1200.00	1322.696(M)	M1
	105 1,3,5-trichlorobenzene	180	13.509	13.509	(1.101)	568279	1200.00	1294.104	
	106 hexachlorobutadiene	225	14.078	14.078	(1.147)	170130	1200.00	1170.951	
	107 1,2,4-trichlorobenzene	180	14.106	14.106	(1.149)	458493	1200.00	1283.270	
	108 naphthalene	128	14.404	14.404	(1.174)	1126185	1200.00	1305.906	
	109 1,2,3-trichlorobenzene	180	14.566	14.566	(1.187)	402342	1200.00	1317.605	
	188 Pentachloroethane	167	11.805	11.805	(0.962)	396945	1200.00	1188.669	

QC Flag Legend

T - Target compound detected outside RT window.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Lab File ID: 1107A09.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\liq8260C.m
Misc Info: wg838608,ical

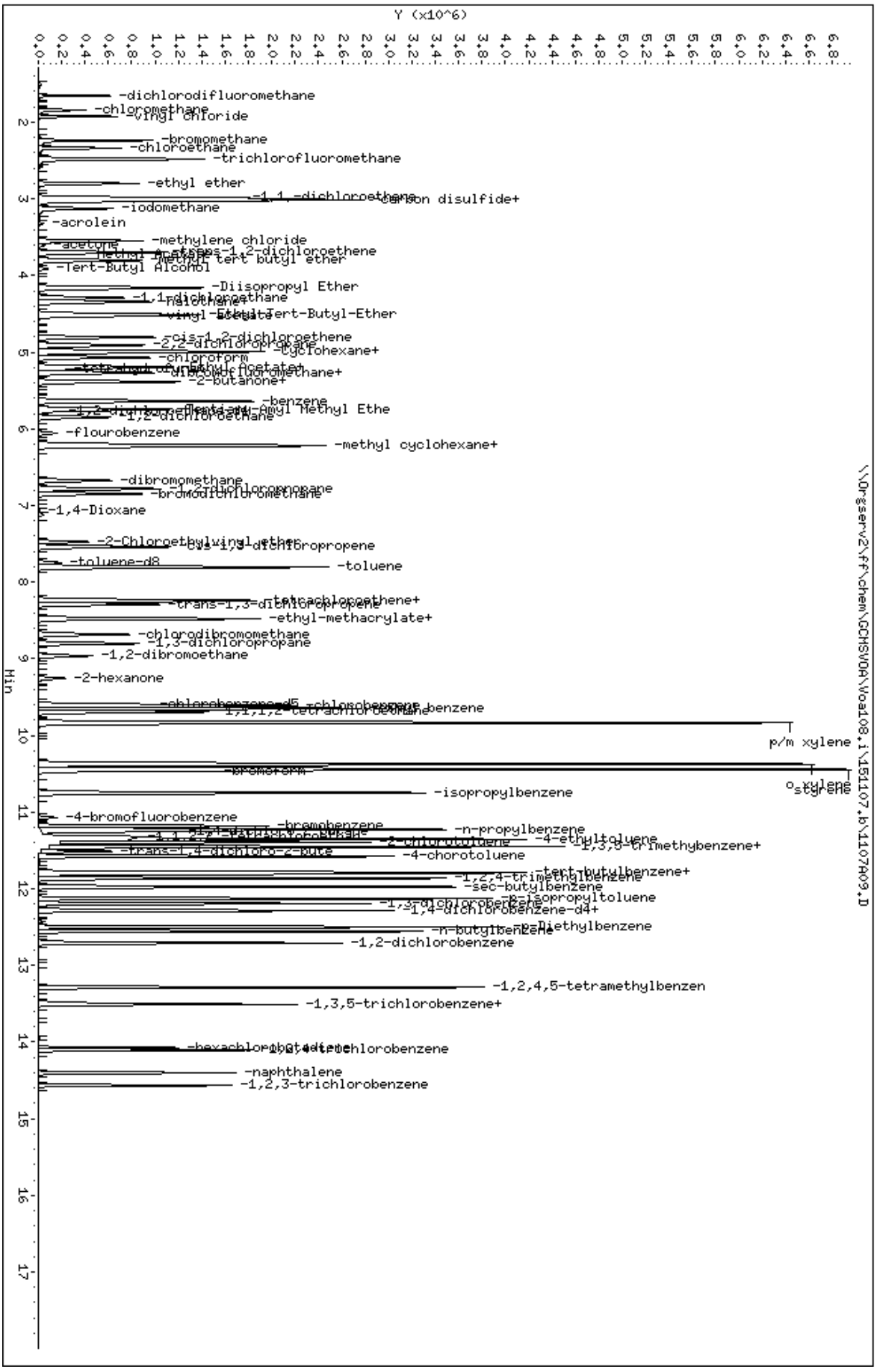
Calibration Date: 07-NOV-2015
Calibration Time: 20:34
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	119738	59869	239476	147858	23.48
72 chlorobenzene-d5	96275	48138	192550	129961	34.99
98 1,4-dichlorobenze	50723	25362	101446	71222	40.41

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	6.06	5.56	6.56	6.06	-0.09
72 chlorobenzene-d5	9.59	9.09	10.09	9.59	0.06
98 1,4-dichlorobenze	12.27	11.77	12.77	12.27	0.05

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



\\Orgserv2\ff\chem\GCHSWOA\Woa108.i\151107.b\1107A09.D

Data File: \\Orgserv2\ff\chem\GCHSWOA\Woa108.i\151107.b\1107A09.D
Date : 07-NOV-2015 21:59
Client ID:
Sample Info: ug838608-8, ical 18
Purge Volume: 10.0
Column phase:

Instrument: Woa108.i
Operator: PD
Column diameter: 0.18

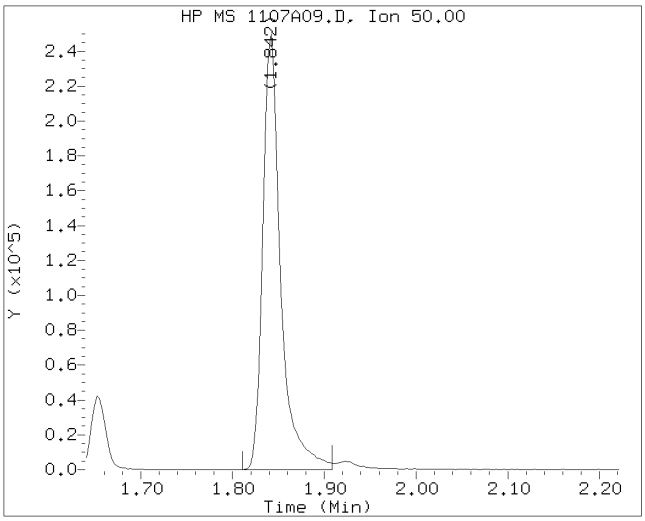
Alpha Analytical Labs

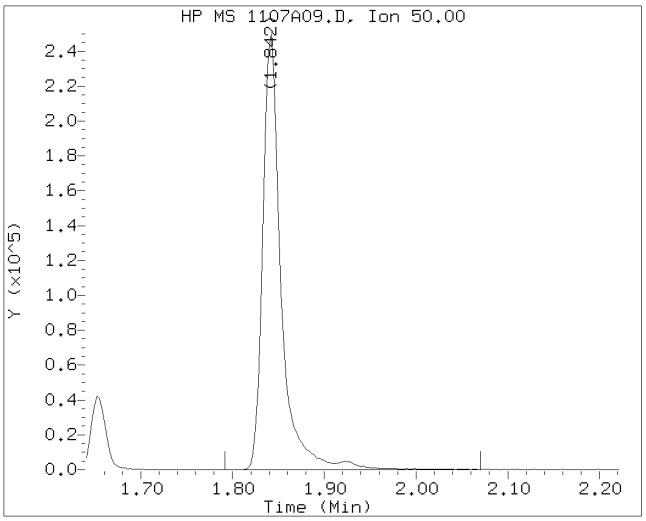
Manual Integration

Sample Info : wg838608-8, ical l8
wg838608,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A09.D
Injection Date : 07-NOV-2015 21:59
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_8

Compound # 2: chloromethane

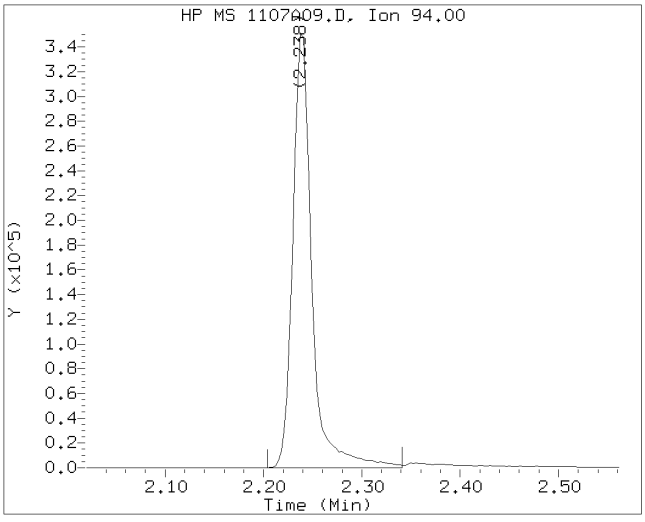


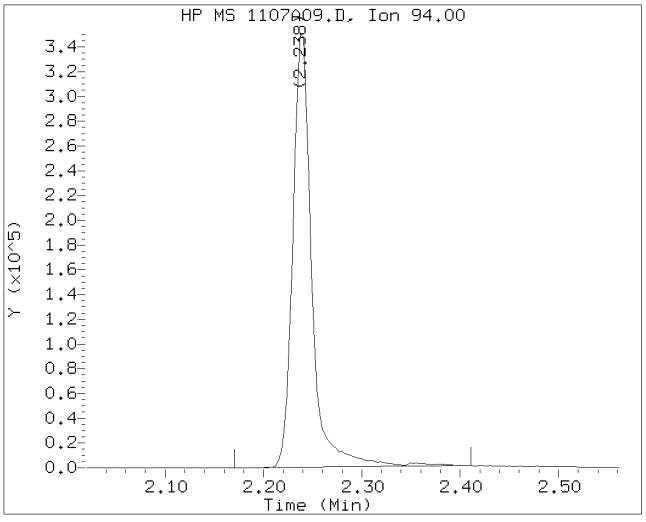


Original Peak Response = 340696 Manual Peak Response = 350032 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 4: bromomethane





Original Peak Response = 475517 Manual Peak Response = 473769 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

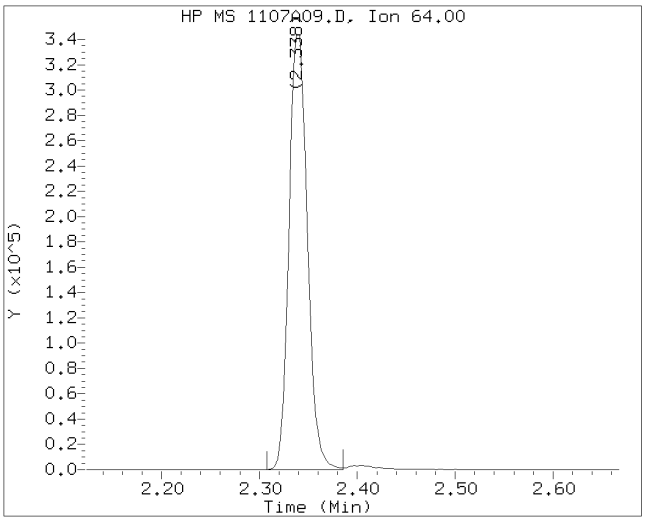
Alpha Analytical Labs

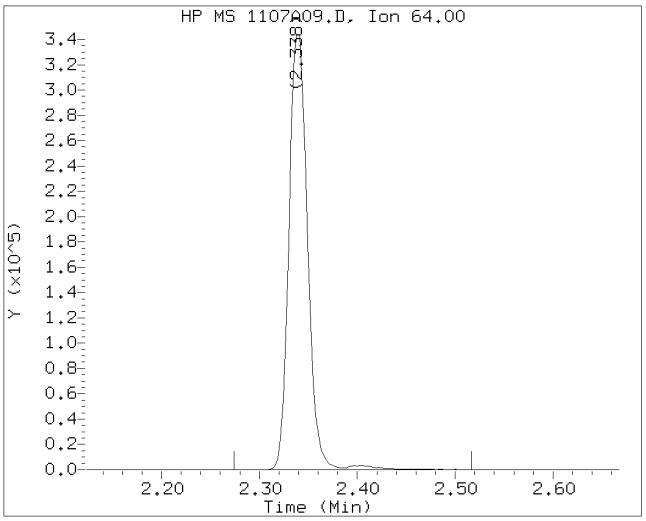
Manual Integration

Sample Info : ICAL L8
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A09.D
Injection Date : 07-NOV-2015 21:59
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_8

Compound # 5: chloroethane

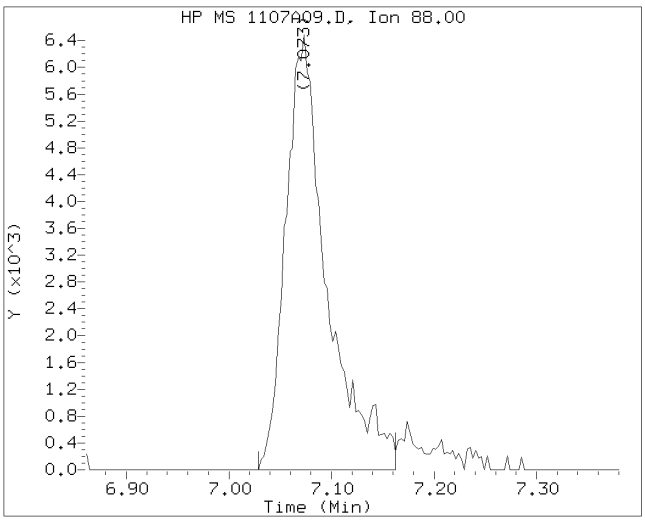


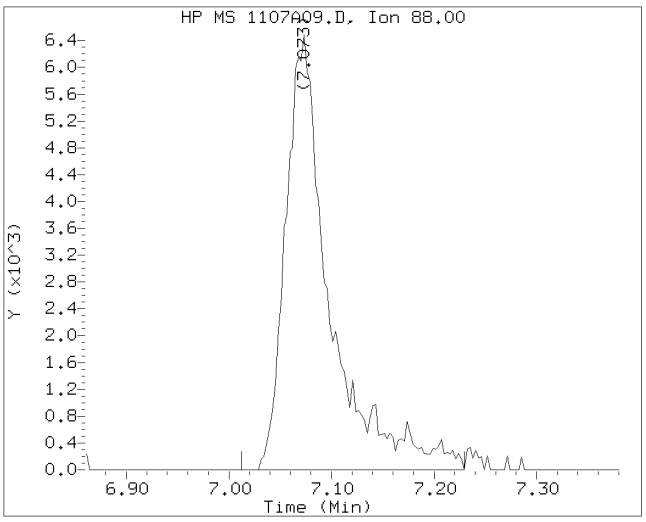


Original Peak Response = 450351 Manual Peak Response = 459105 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 54: 1,4-Dioxane





Original Peak Response = 18150 Manual Peak Response = 19443 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

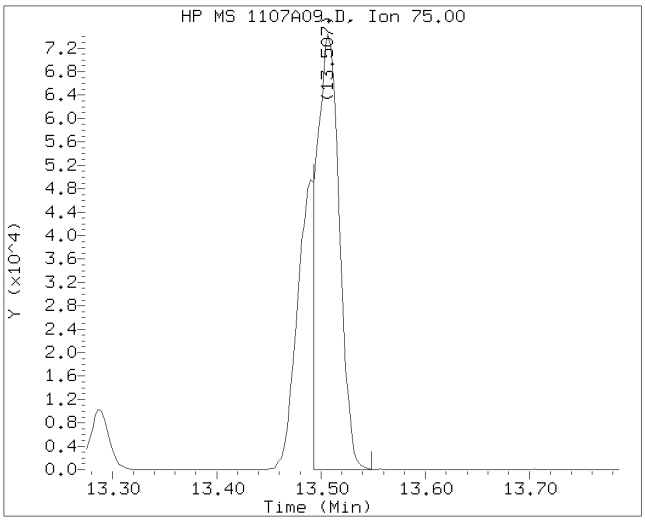
Alpha Analytical Labs

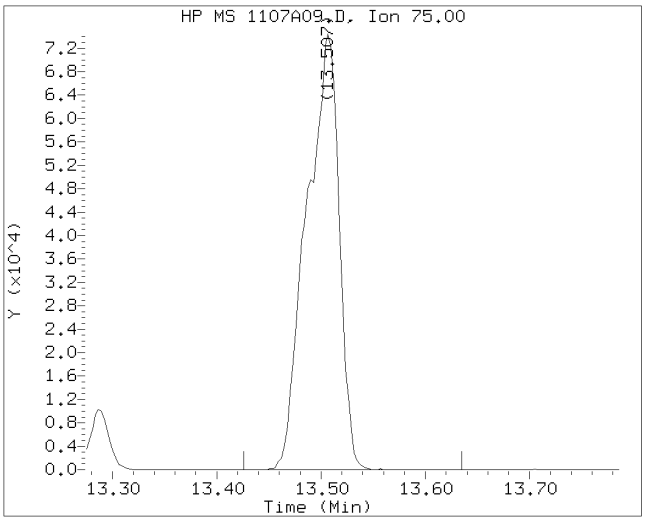
Manual Integration

Sample Info : ICAL L8
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A09.D
Injection Date : 07-NOV-2015 21:59
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_8

Compound # 104: 1,2-dibromo-3-chloropropane





Original Peak Response = 113812 Manual Peak Response = 161401 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A10.D
Lab Smp Id:
Inj Date : 07-NOV-2015 22:27
Operator : PD Inst ID: Voa108.i
Smp Info : wg838608-9, ical l10
Misc Info : wg838608,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\liq8260C.m
Meth Date : 08-Nov-2015 13:44 Voa108.i Quant Type: ISTD
Cal Date : 07-NOV-2015 21:59 Cal File: 1107A09.D
Als bottle: 10 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve+acro.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	1.652	1.652	(0.273)	708543	2000.00	2259.933(A)	
2	chloromethane	50	1.838	1.838	(0.304)	653358	2000.00	2040.558(AM)	M1
3	vinyl chloride	62	1.922	1.922	(0.317)	860040	2000.00	2087.627(A)	
4	bromomethane	94	2.237	2.237	(0.369)	999640	2000.00	1991.417	
5	chloroethane	64	2.335	2.335	(0.385)	653977	2000.00	1514.327(M)	M1
6	trichlorofluoromethane	101	2.474	2.474	(0.409)	2335338	2000.00	2342.667(A)	
7	ethyl ether	74	2.801	2.801	(0.462)	654624	2000.00	2046.896(A)	
9	1,1,-dichloroethene	96	2.982	2.982	(0.492)	1248660	2000.00	2243.338(A)	
10	carbon disulfide	76	3.007	3.007	(0.496)	3625183	2000.00	2193.569(A)	
11	freon-113	101	3.018	3.018	(0.498)	1331694	2000.00	2354.153(A)	
12	iodomethane	142	3.124	3.124	(0.516)	1393456	2000.00	2109.906(A)	
15	methylene chloride	84	3.548	3.548	(0.586)	748374	2000.00	2161.618(A)	
16	acetone	43	3.609	3.609	(0.596)	104748	2000.00	2016.535(A)	
17	trans-1,2-dichloroethene	96	3.696	3.696	(0.610)	782648	2000.00	2281.294(A)	
18	Methyl Acetate	43	3.718	3.718	(0.614)	300326	2000.00	2080.716(A)	
13	acrolein	56	3.325	3.325	(0.549)	53552	2000.00	2013.870(TAQ)	
19	methyl tert butyl ether	73	3.802	3.802	(0.628)	1751106	2000.00	2236.065(A)	
20	Tert-Butyl Alcohol	59	3.916	3.916	(0.646)	151985	10000.0	9731.270	
21	Diisopropyl Ether	45	4.159	4.159	(0.687)	2315315	2000.00	2233.171(A)	
22	1,1-dichloroethane	63	4.290	4.290	(0.708)	1381217	2000.00	2240.521(A)	
23	halothane	117	4.340	4.340	(0.716)	662495	2000.00	2426.225(A)	
24	acrylonitrile	53	4.354	4.354	(0.719)	167928	2000.00	2103.207(A)	
25	Ethyl-Tert-Butyl-Ether	59	4.507	4.507	(0.744)	2170408	2000.00	2321.157(A)	
26	vinyl acetate	43	4.527	4.527	(0.747)	1639293	2000.00	2239.073(A)	
27	cis-1,2-dichloroethene	96	4.806	4.806	(0.793)	892806	2000.00	2199.860(A)	
28	2,2-dichloropropane	77	4.909	4.909	(0.810)	1167907	2000.00	2335.751(A)	
30	Cyclohexane	56	4.990	4.990	(0.824)	1261309	2000.00	2473.782(A)	
29	bromochloromethane	128	4.998	4.998	(0.825)	444450	2000.00	2315.574(A)	

			QUANT SIG					AMOUNTS		
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	31	chloroform	83	5.068	5.068	(0.837)	1441870	2000.00	2165.590(A)	
	32	Ethyl Acetate	43	5.188	5.188	(0.856)	484892	2000.00	2045.221(A)	
	33	carbontetrachloride	117	5.196	5.196	(0.858)	1305161	2000.00	2468.825(A)	
	35	tetrahydrofuran	42	5.227	5.227	(0.863)	160763	2000.00	2074.001(A)	
$	36	dibromofluoromethane	113	5.252	5.252	(0.867)	46666	100.000	105.416	
	37	1,1,1-trichloroethane	97	5.266	5.266	(0.869)	1335314	2000.00	2330.610(A)	
	38	2-butanone	43	5.380	5.380	(0.888)	196528	2000.00	2029.671(A)	
	39	1,1-dichloropropene	75	5.386	5.386	(0.889)	1072198	2000.00	2306.481(A)	
	40	benzene	78	5.637	5.637	(0.930)	3228081	2000.00	2254.694(A)	
	41	Tertiary-Amyl Methyl Ether	73	5.748	5.748	(0.949)	1912843	2000.00	2308.364(A)	
$	42	1,2-dichloroethane-d4	65	5.779	5.779	(0.954)	50187	100.000	104.552	
	43	1,2-dichloroethane	62	5.849	5.849	(0.965)	951591	2000.00	2115.053(A)	
*	46	flourobenzene	96	6.058	6.058	(1.000)	161904	100.000		
	47	methyl cyclohexane	83	6.214	6.214	(1.026)	1463441	2000.00	2619.927(A)	
	48	trichloroethene	95	6.225	6.225	(1.028)	1005061	2000.00	2495.415(A)	
	50	dibromomethane	93	6.677	6.677	(1.102)	485485	2000.00	2275.944(A)	
	52	1,2-dichloropropane	63	6.786	6.786	(1.120)	769921	2000.00	2212.456(A)	
	53	bromodichloromethane	83	6.847	6.847	(1.130)	1152212	2000.00	2277.930(A)	
	54	1,4-Dioxane	88	7.073	7.073	(1.168)	35312	20000.0	21443.084(AM)	M1
	56	2-Chloroethylvinyl ether	63	7.477	7.477	(1.234)	371620	2000.00	2166.219(A)	
	57	cis-1,3-dichloropropene	75	7.541	7.541	(1.245)	1311497	2000.00	2353.248(A)	
$	58	toluene-d8	98	7.748	7.748	(0.808)	160920	100.000	91.607	
	59	toluene	92	7.806	7.806	(0.814)	2244470	2000.00	2206.466(A)	
	61	tetrachloroethene	166	8.238	8.238	(0.859)	1039159	2000.00	2307.937(A)	
	60	4-methyl-2-pentanone	58	8.250	8.250	(1.362)	192289	2000.00	2248.882(A)	
	62	trans-1,3-dichloropropene	75	8.291	8.291	(0.864)	1144434	2000.00	2196.490(A)	
	65	ethyl-methacrylate	69	8.481	8.481	(0.884)	960661	2000.00	2323.167(A)	
	66	1,1,2-trichloroethane	83	8.478	8.478	(0.884)	578945	2000.00	2143.208(A)	
	67	chlorodibromomethane	129	8.685	8.685	(0.905)	917321	2000.00	2234.190(A)	
	68	1,3-dichloropropane	76	8.805	8.805	(0.918)	1062333	2000.00	2028.412(A)	
	70	1,2-dibromoethane	107	8.963	8.963	(0.934)	653894	2000.00	2036.725(A)	
	71	2-hexanone	43	9.256	9.256	(0.965)	316779	2000.00	1969.084	
*	72	chlorobenzene-d5	117	9.594	9.594	(1.000)	143996	100.000		
	73	chlorobenzene	112	9.610	9.610	(1.002)	2709341	2000.00	2219.305(A)	
	74	ethyl benzene	91	9.649	9.649	(1.006)	4638054	2000.00	2267.073(A)	
	75	1,1,1,2-tetrachloroethane	131	9.697	9.697	(1.011)	963667	2000.00	2250.191(A)	
	76	p/m xylene	106	9.836	9.836	(1.025)	4484393	4000.00	5307.814(A)	
	77	o xylene	106	10.377	10.377	(1.082)	4378881	4000.00	5322.117(A)	
	78	styrene	104	10.447	10.447	(1.089)	7851449	4000.00	5878.685(A)	
	79	bromoform	173	10.464	10.464	(0.852)	657339	2000.00	2071.796(A)	
	80	isopropylbenzene	105	10.751	10.751	(0.876)	4933286	2000.00	2169.876(A)	
$	81	4-bromofluorobenzene	95	11.072	11.072	(0.902)	58942	100.000	85.297	
	82	bromobenzene	156	11.183	11.183	(0.911)	1129390	2000.00	2064.647(A)	
	83	n-propylbenzene	91	11.228	11.228	(0.915)	5748705	2000.00	2196.662(A)	
	84	1,4-dichloro-2-butane	55	11.256	11.256	(0.917)	1040625	2000.00	1873.848	
	85	1,1,2,2,-tetrachloroethane	83	11.323	11.323	(0.922)	768084	2000.00	1841.161	
	86	4-ethyltoluene	105	11.353	11.353	(0.925)	5601631	2000.00	2327.396(A)	
	88	2-chlorotoluene	91	11.395	11.395	(0.928)	3088654	2000.00	2032.768(A)	
	89	1,3,5-trimethybenzene	105	11.454	11.454	(0.933)	4334993	2000.00	2331.049(A)	
	90	1,2,3-trichloropropane	75	11.459	11.459	(0.933)	694621	2000.00	2105.738(A)	
	91	trans-1,4-dichloro-2-butene	53	11.515	11.515	(0.938)	213986	2000.00	1868.904	
	92	4-chorotoluene	91	11.579	11.579	(0.943)	3267684	2000.00	2123.748(A)	
	93	tert-butylbenzene	119	11.791	11.791	(0.960)	4559117	2000.00	2425.954(A)	
	94	1,2,4-trimethylbenzene	105	11.866	11.866	(0.967)	3939521	2000.00	2242.690(A)	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
	95 sec-butylbenzene	105	11.975	11.975	(0.975)	5024625	2000.00	2282.466(A)	
	96 p-isopropyltoluene	119	12.131	12.131	(0.988)	4508839	2000.00	2439.391(A)	
	97 1,3-dichlorobenzene	146	12.195	12.195	(0.993)	2352419	2000.00	2202.472(A)	
*	98 1,4-dichlorobenzene-d4	152	12.276	12.276	(1.000)	85460	100.000	(Q)	
	99 1,4-dichlorobenzene	146	12.288	12.288	(1.001)	2347681	2000.00	2193.394(A)	
	100 p-Diethylbenzene	119	12.499	12.499	(1.018)	2760001	2000.00	2469.141(A)	
	101 n-butylbenzene	91	12.558	12.558	(1.023)	3518448	2000.00	2313.449(A)	
	102 1,2-dichlorobenzene	146	12.709	12.709	(1.035)	2059588	2000.00	2163.252(A)	
	103 1,2,4,5-tetramethylbenzene	119	13.289	13.289	(1.082)	3699455	2000.00	2344.275(A)	
	104 1,2-dibromo-3-chloropropane	75	13.509	13.509	(1.100)	329186	2000.00	2248.259(A)	
	105 1,3,5-trichlorobenzene	180	13.512	13.512	(1.101)	1244670	2000.00	2362.180(A)	
	106 hexachlorobutadiene	225	14.078	14.078	(1.147)	367573	2000.00	2105.849(A)	
	107 1,2,4-trichlorobenzene	180	14.106	14.106	(1.149)	981890	2000.00	2290.337(A)	
	108 naphthalene	128	14.404	14.404	(1.173)	2206404	2000.00	2132.253(A)	
	109 1,2,3-trichlorobenzene	180	14.569	14.569	(1.187)	834004	2000.00	2276.195(A)	
	188 Pentachloroethane	167	11.808	11.808	(0.962)	839053	2000.00	2091.458(A)	

QC Flag Legend

T - Target compound detected outside RT window.
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Lab File ID: 1107A10.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\liq8260C.m
Misc Info: wg838608,ical

Calibration Date: 07-NOV-2015
Calibration Time: 20:34
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

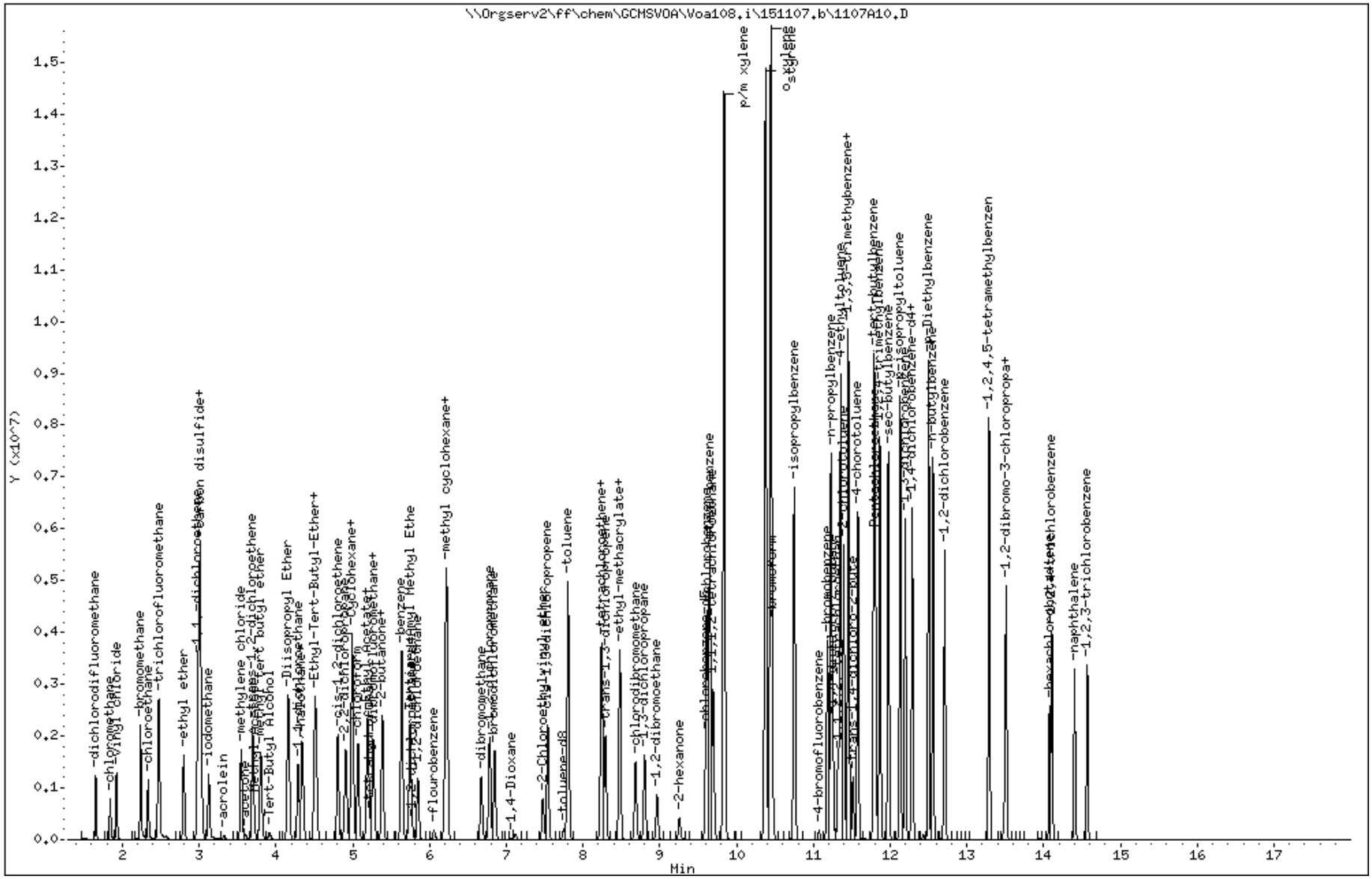
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	119738	59869	239476	161904	35.22
72 chlorobenzene-d5	96275	48138	192550	143996	49.57
98 1,4-dichlorobenze	50723	25362	101446	85460	68.48

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	6.06	5.56	6.56	6.06	-0.05
72 chlorobenzene-d5	9.59	9.09	10.09	9.59	0.09
98 1,4-dichlorobenze	12.27	11.77	12.77	12.28	0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A10.D
Date : 07-NOV-2015 22:27
Client ID:
Sample Info: wg838608-9, ical l10
Purge Volume: 10.0
Column phase:

Instrument: Voa108.i
Operator: PD
Column diameter: 0.18



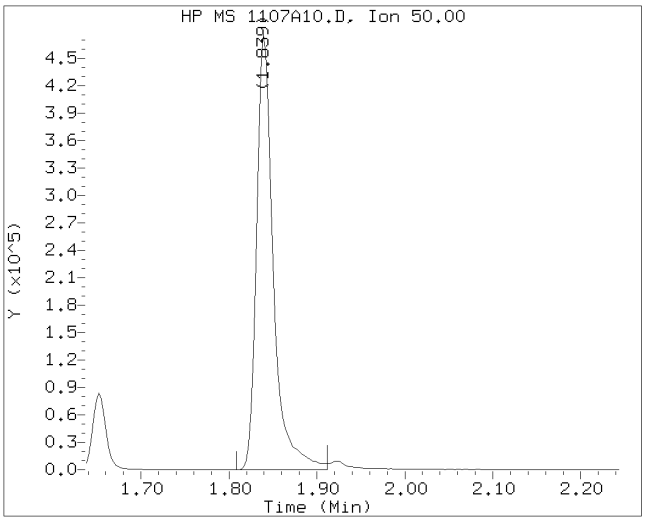
Alpha Analytical Labs

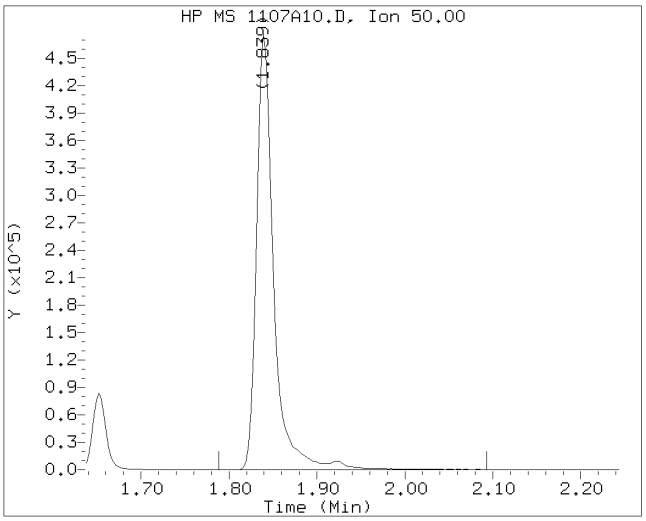
Manual Integration

Sample Info : wg838608-9, ical l10
wg838608,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A10.D
Injection Date : 07-NOV-2015 22:27
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_10

Compound # 2: chloromethane

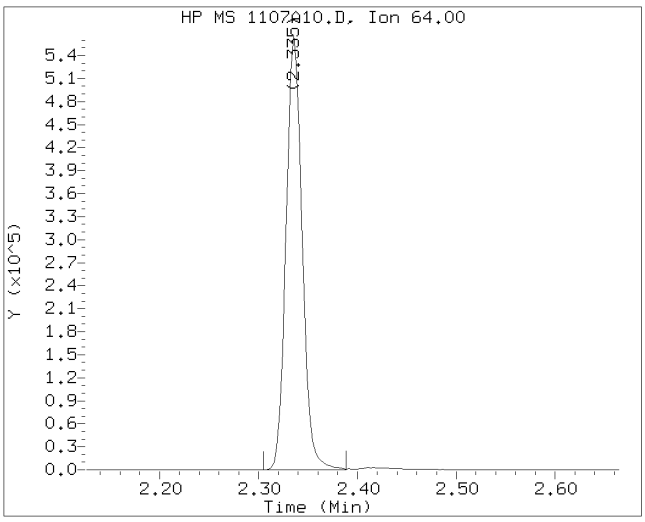


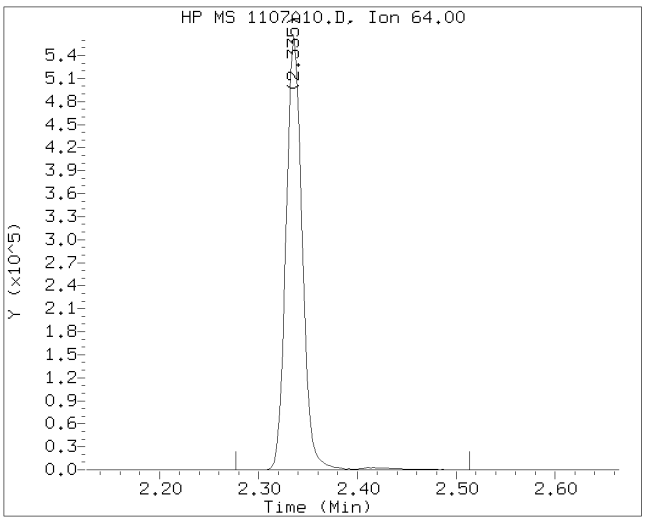


Original Peak Response = 637447 Manual Peak Response = 653358 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 5: chloroethane





Original Peak Response = 645785 Manual Peak Response = 653977 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

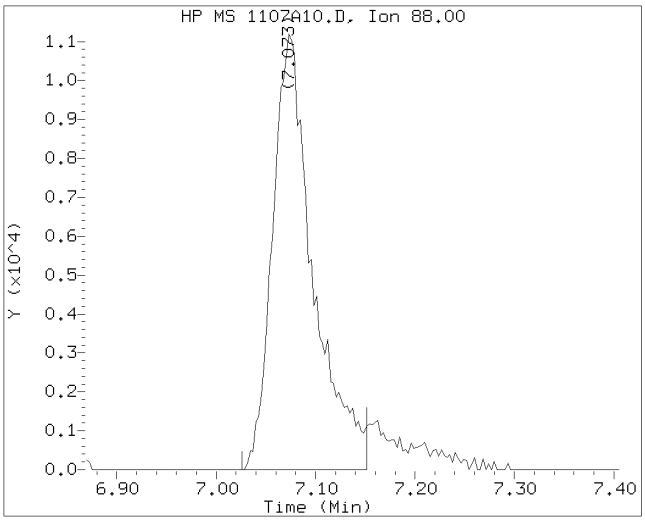
Alpha Analytical Labs

Manual Integration

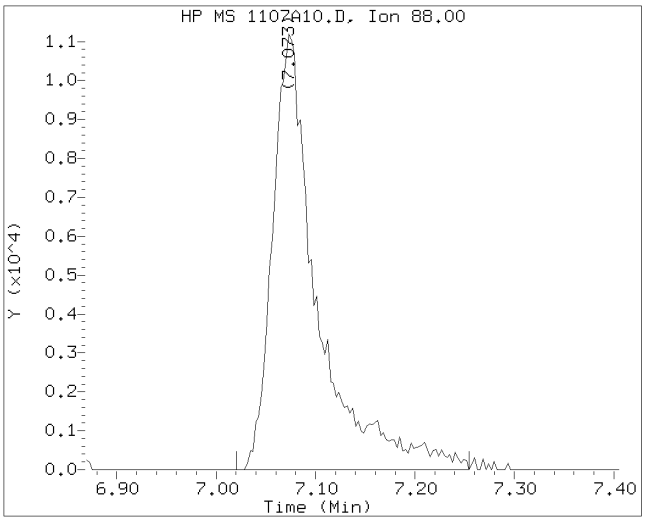
Sample Info : ICAL L10
wg,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A10.D
Injection Date : 07-NOV-2015 22:27
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_10

Compound # 54: 1,4-Dioxane



Original Peak Response = 31679



Manual Peak Response = 35312 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Initial Calibration Verification

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Voa108.i Injection Date: 08-NOV-2015 01:46
Lab File ID: 1107A17.D Init. Cal. Date(s): 07-NOV-2015 07-NOV-2015
Analysis Type: WATER Init. Cal. Times: 19:08 22:27
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\liq8260C.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 dichlorodifluoromethane	0.19365	0.25670	0.25670	0.050	32.56124	20.00000	Averaged	<-
2 chloromethane	0.19776	0.25213	0.25213	0.050	27.49303	20.00000	Averaged	<-
3 vinyl chloride	0.25445	0.31305	0.31305	0.050	23.02852	20.00000	Averaged	<-
4 bromomethane	100	119	0.21385	0.050	19.00402	20.00000	Quadratic	
5 chloroethane	0.26674	0.31539	0.31539	0.050	18.23908	20.00000	Averaged	
6 trichlorofluoromethane	0.61572	0.72435	0.72435	0.050	17.64294	20.00000	Averaged	
7 ethyl ether	0.19753	0.19308	0.19308	0.050	-2.25410	20.00000	Averaged	
9 1,1,-dichloroethene	0.34379	0.36303	0.36303	0.050	5.59803	20.00000	Averaged	
10 carbon disulfide	1.02075	0.82230	0.82230	0.050	-19.44153	20.00000	Averaged	
11 freon-113	0.34939	0.34829	0.34829	0.050	-0.31413	20.00000	Averaged	
12 iodomethane	100	76.66872	0.23574	0.050	-23.33128	20.00000	Wt Linear	<-
15 methylene chloride	0.21384	0.21779	0.21779	0.050	1.84982	20.00000	Averaged	
16 acetone	100	84.21909	0.04033	0.050	-15.78091	20.00000	Wt Linear	<-
17 trans-1,2-dichloroethene	0.21190	0.22150	0.22150	0.050	4.53138	20.00000	Averaged	
18 Methyl Acetate	0.08915	0.10527	0.10527	0.050	18.08331	20.00000	Averaged	
13 acrolein	100	45.01277	0.00655	0.050	-54.98723	20.00000	Wt Linear	<-
19 methyl tert butyl ether	0.48369	0.44919	0.44919	0.050	-7.13356	20.00000	Averaged	
20 Tert-Butyl Alcohol	0.00965	0.00919	0.00919	0.050	-4.71514	20.00000	Averaged	<-
21 Diisopropyl Ether	0.64037	0.61681	0.61681	0.050	-3.67976	20.00000	Averaged	
22 1,1-dichloroethane	0.38076	0.39398	0.39398	0.050	3.47023	20.00000	Averaged	
23 halothane	0.16865	0.16683	0.16683	0.050	-1.08031	20.00000	Averaged	
24 acrylonitrile	0.04932	0.04264	0.04264	0.050	-13.53003	20.00000	Averaged	<-
25 Ethyl-Tert-Butyl-Ether	0.57754	0.54160	0.54160	0.050	-6.22246	20.00000	Averaged	
26 vinyl acetate	0.45220	0.37590	0.37590	0.050	-16.87403	20.00000	Averaged	
27 cis-1,2-dichloroethene	0.25067	0.25737	0.25737	0.050	2.67247	20.00000	Averaged	
28 2,2-dichloropropane	0.30883	0.28749	0.28749	0.050	-6.90952	20.00000	Averaged	
30 Cyclohexane	0.31492	0.32981	0.32981	0.050	4.72823	20.00000	Averaged	
29 bromochloromethane	0.11855	0.12406	0.12406	0.050	4.64876	20.00000	Averaged	
31 chloroform	0.41124	0.43164	0.43164	0.050	4.96196	20.00000	Averaged	
32 Ethyl Acetate	0.14644	0.12445	0.12445	0.050	-15.01615	20.00000	Averaged	
33 carbontetrachloride	0.32652	0.33770	0.33770	0.050	3.42113	20.00000	Averaged	
35 tetrahydrofuran	0.04788	0.04517	0.04517	0.050	-5.64489	20.00000	Averaged	<-
$ 36 dibromofluoromethane	0.27342	0.27508	0.27508	0.050	0.60756	30.00000	Averaged	
37 1,1,1-trichloroethane	0.35388	0.37919	0.37919	0.050	7.15106	20.00000	Averaged	
38 2-butanone	100	89.12029	0.06029	0.050	-10.87971	20.00000	Wt Linear	
39 1,1-dichloropropene	0.28712	0.32574	0.32574	0.050	13.44845	20.00000	Averaged	
40 benzene	0.88430	0.89567	0.89567	0.050	1.28613	20.00000	Averaged	
41 Tertiary-Amyl Methyl Ether	0.51182	0.46691	0.46691	0.050	-8.77439	20.00000	Averaged	
$ 42 1,2-dichloroethane-d4	0.29648	0.28318	0.28318	0.050	-4.48797	30.00000	Averaged	
43 1,2-dichloroethane	0.27789	0.29690	0.29690	0.050	6.84056	20.00000	Averaged	
47 methyl cyclohexane	0.34501	0.36876	0.36876	0.050	6.88326	20.00000	Averaged	
48 trichloroethene	0.24877	0.25385	0.25385	0.050	2.04519	20.00000	Averaged	

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Voa108.i Injection Date: 08-NOV-2015 01:46
Lab File ID: 1107A17.D Init. Cal. Date(s): 07-NOV-2015 07-NOV-2015
Analysis Type: WATER Init. Cal. Times: 19:08 22:27
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\liq8260C.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
50 dibromomethane	0.13175	0.14067	0.14067	0.050	6.77183	20.00000	Averaged	
52 1,2-dichloropropane	0.21494	0.22603	0.22603	0.050	5.15891	20.00000	Averaged	
53 bromodichloromethane	0.31242	0.32462	0.32462	0.050	3.90516	20.00000	Averaged	
54 1,4-Dioxane	0.00102	0.00112	0.00112	0.050	10.04242	20.00000	Averaged	<-
56 2-Chloroethylvinyl ether	0.10596	0.10196	0.10196	0.050	-3.77818	20.00000	Averaged	
57 cis-1,3-dichloropropene	0.34422	0.35548	0.35548	0.050	3.26864	20.00000	Averaged	
$ 58 toluene-d8	1.21991	1.25207	1.25207	0.050	2.63608	30.00000	Averaged	
59 toluene	0.70643	0.74291	0.74291	0.050	5.16524	20.00000	Averaged	
61 tetrachloroethene	0.31269	0.32786	0.32786	0.050	4.85395	20.00000	Averaged	
60 4-methyl-2-pentanone	0.05281	0.04797	0.04797	0.050	-9.16520	20.00000	Averaged	<-
62 trans-1,3-dichloropropene	0.36184	0.36377	0.36377	0.050	0.53479	20.00000	Averaged	
65 ethyl-methacrylate	0.28717	0.26758	0.26758	0.050	-6.82275	20.00000	Averaged	
66 1,1,2-trichloroethane	0.18760	0.19291	0.19291	0.050	2.83069	20.00000	Averaged	
67 chlorodibromomethane	0.28514	0.29666	0.29666	0.050	4.04211	20.00000	Averaged	
68 1,3-dichloropropane	0.36371	0.39640	0.39640	0.050	8.98706	20.00000	Averaged	
70 1,2-dibromoethane	0.22296	0.23255	0.23255	0.050	4.30298	20.00000	Averaged	
71 2-hexanone	0.11172	0.11142	0.11142	0.050	-0.27062	20.00000	Averaged	
73 chlorobenzene	0.84781	0.85743	0.85743	0.050	1.13517	20.00000	Averaged	
74 ethyl benzene	1.42076	1.47393	1.47393	0.050	3.74286	20.00000	Averaged	
75 1,1,1,2-tetrachloroethane	0.29741	0.31562	0.31562	0.050	6.12137	20.00000	Averaged	
76 p/m xylene	0.58673	0.57588	0.57588	0.050	-1.84879	20.00000	Averaged	
77 o xylene	0.57138	0.56664	0.56664	0.050	-0.83080	20.00000	Averaged	
78 styrene	0.92751	0.96116	0.96116	0.050	3.62821	20.00000	Averaged	
79 bromoform	100	90.41465	0.32072	0.050	-9.58535	20.00000	Wt Linear	
80 isopropylbenzene	2.66035	2.75143	2.75143	0.050	3.42386	20.00000	Averaged	
$ 81 4-bromofluorobenzene	0.80858	0.83806	0.83806	0.050	3.64557	30.00000	Averaged	
82 bromobenzene	0.64008	0.68296	0.68296	0.050	6.69962	20.00000	Averaged	
83 n-propylbenzene	3.06227	3.19656	3.19656	0.050	4.38518	20.00000	Averaged	
84 1,4-dichloro-2-butane	0.64983	0.67725	0.67725	0.050	4.21982	20.00000	Averaged	
85 1,1,2,2,-tetrachloroethane	0.48815	0.52834	0.52834	0.050	8.23301	20.00000	Averaged	
86 4-ethyltoluene	2.81632	2.77947	2.77947	0.050	-1.30832	20.00000	Averaged	
88 2-chlorotoluene	1.77795	1.88278	1.88278	0.050	5.89613	20.00000	Averaged	
89 1,3,5-trimethybenzene	2.17608	2.19932	2.19932	0.050	1.06806	20.00000	Averaged	
90 1,2,3-trichloropropane	0.38599	0.40433	0.40433	0.050	4.75121	20.00000	Averaged	
91 trans-1,4-dichloro-2-butene	0.13398	0.12661	0.12661	0.050	-5.50039	20.00000	Averaged	
92 4-chorotoluene	1.80042	1.86612	1.86612	0.050	3.64886	20.00000	Averaged	
93 tert-butylbenzene	2.19905	2.23991	2.23991	0.050	1.85809	20.00000	Averaged	
94 1,2,4-trimethylbenzene	2.05547	2.16969	2.16969	0.050	5.55671	20.00000	Averaged	
95 sec-butylbenzene	2.57594	2.65870	2.65870	0.050	3.21246	20.00000	Averaged	
96 p-isopropyltoluene	2.16282	2.14536	2.14536	0.050	-0.80737	20.00000	Averaged	
97 1,3-dichlorobenzene	1.24980	1.32662	1.32662	0.050	6.14615	20.00000	Averaged	
99 1,4-dichlorobenzene	1.25245	1.30759	1.30759	0.050	4.40299	20.00000	Averaged	
100 p-Diethylbenzene	1.30798	1.18479	1.18479	0.050	-9.41834	20.00000	Averaged	

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Voa108.i Injection Date: 08-NOV-2015 01:46
Lab File ID: 1107A17.D Init. Cal. Date(s): 07-NOV-2015 07-NOV-2015
Analysis Type: WATER Init. Cal. Times: 19:08 22:27
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\liq8260C.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
101 n-butylbenzene	1.77962	1.79816	1.79816	0.050	1.04148	20.00000	Averaged
102 1,2-dichlorobenzene	1.11406	1.17580	1.17580	0.050	5.54131	20.00000	Averaged
103 1,2,4,5-tetramethylbenzene	1.84657	1.81188	1.81188	0.050	-1.87872	20.00000	Averaged
104 1,2-dibromo-3-chloropropane	0.17133	0.18564	0.18564	0.050	8.35016	20.00000	Averaged
105 1,3,5-trichlorobenzene	0.61656	0.61972	0.61972	0.050	0.51168	20.00000	Averaged
106 hexachlorobutadiene	100	100	0.19845	0.050	0.20143	20.00000	Wt Linear
107 1,2,4-trichlorobenzene	0.50165	0.52195	0.52195	0.050	4.04725	20.00000	Averaged
108 naphthalene	1.21083	1.27183	1.27183	0.050	5.03778	20.00000	Averaged
109 1,2,3-trichlorobenzene	0.42874	0.45299	0.45299	0.050	5.65564	20.00000	Averaged
188 Pentachloroethane	100	93.58471	0.42448	0.050	-6.41529	20.00000	Wt Linear

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A17.D
Lab Smp Id:
Inj Date : 08-NOV-2015 01:46
Operator : PD Inst ID: Voa108.i
Smp Info : wg838608-10, icv
Misc Info : wg838608,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\liq8260C.m
Meth Date : 08-Nov-2015 13:47 Voa108.i Quant Type: ISTD
Cal Date : 07-NOV-2015 22:27 Cal File: 1107A10.D
Als bottle: 17 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve+acro.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	1.657	1.657	(0.274)	30737	100.000	132.561	
2	chloromethane	50	1.844	1.844	(0.304)	30190	100.000	127.493(M)	M1
3	vinyl chloride	62	1.928	1.928	(0.318)	37484	100.000	123.028	
4	bromomethane	94	2.243	2.243	(0.370)	25606	100.000	119.004(M)	M1
5	chloroethane	64	2.360	2.360	(0.389)	37764	100.000	118.239(M)	M1
6	trichlorofluoromethane	101	2.499	2.499	(0.412)	86732	100.000	117.642	
7	ethyl ether	74	2.803	2.803	(0.463)	23119	100.000	97.745	
9	1,1,-dichloroethene	96	2.993	2.993	(0.494)	43469	100.000	105.598	
10	carbon disulfide	76	3.018	3.018	(0.498)	98461	100.000	80.558	
11	freon-113	101	3.029	3.029	(0.500)	41704	100.000	99.685	
12	iodomethane	142	3.132	3.132	(0.517)	28227	100.000	76.668(M)	M1
15	methylene chloride	84	3.553	3.553	(0.586)	26078	100.000	101.849	
16	acetone	43	3.609	3.609	(0.596)	4829	100.000	84.219(M)	M1
17	trans-1,2-dichloroethene	96	3.701	3.701	(0.611)	26522	100.000	104.531	
18	Methyl Acetate	43	3.718	3.718	(0.614)	12605	100.000	118.083	
13	acrolein	56	3.325	3.325	(0.549)	784	100.000	45.012(TQM)	M1
19	methyl tert butyl ether	73	3.807	3.807	(0.628)	53785	100.000	92.866(M)	M1
20	Tert-Butyl Alcohol	59	3.902	3.902	(0.644)	5503	500.000	476.424	
21	Diisopropyl Ether	45	4.161	4.161	(0.687)	73855	100.000	96.320	
22	1,1-dichloroethane	63	4.295	4.295	(0.709)	47174	100.000	103.470(M)	M1
23	halothane	117	4.343	4.343	(0.717)	19976	100.000	98.919	
24	acrylonitrile	53	4.345	4.345	(0.717)	5106	100.000	86.469(M)	M1
25	Ethyl-Tert-Butyl-Ether	59	4.507	4.507	(0.744)	64850	100.000	93.777	
26	vinyl acetate	43	4.529	4.529	(0.747)	45009	100.000	83.125(M)	M1
27	cis-1,2-dichloroethene	96	4.803	4.803	(0.792)	30817	100.000	102.672	
28	2,2-dichloropropane	77	4.906	4.906	(0.810)	34424	100.000	93.090(M)	M1
30	Cyclohexane	56	4.995	4.995	(0.824)	39491	100.000	104.728	
29	bromochloromethane	128	4.998	4.998	(0.825)	14855	100.000	104.648	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	31 chloroform	83	5.070	5.070	(0.837)	51684	100.000	104.961	
	32 Ethyl Acetate	43	5.188	5.188	(0.856)	14901	100.000	84.983(M)	M1
	33 carbontetrachloride	117	5.199	5.199	(0.858)	40435	100.000	103.421	
	35 tetrahydrofuran	42	5.229	5.229	(0.863)	5409	100.000	94.355	
$	36 dibromofluoromethane	113	5.246	5.246	(0.866)	32938	100.000	100.607	
	37 1,1,1-trichloroethane	97	5.268	5.268	(0.869)	45403	100.000	107.151	
	38 2-butanone	43	5.372	5.372	(0.886)	7219	100.000	89.120	
	39 1,1-dichloropropene	75	5.388	5.388	(0.889)	39003	100.000	113.448(M)	M1
	40 benzene	78	5.637	5.637	(0.930)	107246	100.000	101.286	
	41 Tertiary-Amyl Methyl Ether	73	5.743	5.743	(0.948)	55907	100.000	91.225	
$	42 1,2-dichloroethane-d4	65	5.779	5.779	(0.954)	33907	100.000	95.512	
	43 1,2-dichloroethane	62	5.849	5.849	(0.965)	35550	100.000	106.840	
*	46 flourobenzene	96	6.060	6.060	(1.000)	119738	100.000		
	47 methyl cyclohexane	83	6.205	6.205	(1.024)	44154	100.000	106.883	
	48 trichloroethene	95	6.225	6.225	(1.027)	30396	100.000	102.045	
	50 dibromomethane	93	6.674	6.674	(1.101)	16844	100.000	106.771(M)	M1
	52 1,2-dichloropropane	63	6.783	6.783	(1.119)	27064	100.000	105.158	
	53 bromodichloromethane	83	6.850	6.850	(1.130)	38869	100.000	103.905	
	54 1,4-Dioxane	88	7.064	7.064	(1.166)	6701	5000.00	5502.121(M)	M1
	56 2-Chloroethylvinyl ether	63	7.472	7.472	(1.233)	12208	100.000	96.221	
	57 cis-1,3-dichloropropene	75	7.541	7.541	(1.244)	42564	100.000	103.268	
$	58 toluene-d8	98	7.742	7.742	(0.808)	120543	100.000	102.636	
	59 toluene	92	7.798	7.798	(0.814)	71524	100.000	105.165	
	61 tetrachloroethene	166	8.238	8.238	(0.859)	31565	100.000	104.853	
	60 4-methyl-2-pentanone	58	8.252	8.252	(1.362)	5744	100.000	90.834(M)	M1
	62 trans-1,3-dichloropropene	75	8.289	8.289	(0.865)	35022	100.000	100.534	
	65 ethyl-methacrylate	69	8.478	8.478	(0.885)	25761	100.000	93.177	
	66 1,1,2-trichloroethane	83	8.475	8.475	(0.884)	18572	100.000	102.830	
	67 chlorodibromomethane	129	8.679	8.679	(0.905)	28561	100.000	104.042	
	68 1,3-dichloropropane	76	8.796	8.796	(0.918)	38163	100.000	108.987	
	70 1,2-dibromoethane	107	8.963	8.963	(0.935)	22389	100.000	104.302(M)	M1
	71 2-hexanone	43	9.253	9.253	(0.965)	10727	100.000	99.729(M)	M1
*	72 chlorobenzene-d5	117	9.585	9.585	(1.000)	96275	100.000		
	73 chlorobenzene	112	9.608	9.608	(1.002)	82549	100.000	101.135	
	74 ethyl benzene	91	9.644	9.644	(1.006)	141903	100.000	103.742	
	75 1,1,1,2-tetrachloroethane	131	9.691	9.691	(1.011)	30386	100.000	106.121	
	76 p/m xylene	106	9.831	9.831	(1.026)	110886	200.000	196.302	
	77 o xylene	106	10.369	10.369	(1.082)	109106	200.000	198.338	
	78 styrene	104	10.436	10.436	(1.089)	185072	200.000	207.256	
	79 bromoform	173	10.458	10.458	(0.852)	16268	100.000	90.414	
	80 isopropylbenzene	105	10.745	10.745	(0.876)	139561	100.000	103.423	
$	81 4-bromofluorobenzene	95	11.072	11.072	(0.902)	42509	100.000	103.645	
	82 bromobenzene	156	11.180	11.180	(0.911)	34642	100.000	106.699	
	83 n-propylbenzene	91	11.225	11.225	(0.915)	162139	100.000	104.385	
	84 1,4-dichloro-2-butane	55	11.247	11.247	(0.917)	34352	100.000	104.219	
	85 1,1,2,2,-tetrachloroethane	83	11.317	11.317	(0.922)	26799	100.000	108.233	
	86 4-ethyltoluene	105	11.350	11.350	(0.925)	140983	100.000	98.691	
	88 2-chlorotoluene	91	11.390	11.390	(0.928)	95500	100.000	105.896	
	89 1,3,5-trimethybenzene	105	11.448	11.448	(0.933)	111556	100.000	101.068	
	90 1,2,3-trichloropropane	75	11.456	11.456	(0.934)	20509	100.000	104.751	
	91 trans-1,4-dichloro-2-butene	53	11.512	11.512	(0.938)	6422	100.000	94.499	
	92 4-chorotoluene	91	11.574	11.574	(0.943)	94655	100.000	103.648	
	93 tert-butylbenzene	119	11.783	11.783	(0.960)	113615	100.000	101.858	
	94 1,2,4-trimethylbenzene	105	11.864	11.864	(0.967)	110053	100.000	105.556	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
95	sec-butylbenzene	105	11.972	11.972	(0.976)	134857	100.000	103.212	
96	p-isopropyltoluene	119	12.126	12.126	(0.988)	108819	100.000	99.192	
97	1,3-dichlorobenzene	146	12.190	12.190	(0.994)	67290	100.000	106.146	
* 98	1,4-dichlorobenzene-d4	152	12.268	12.268	(1.000)	50723	100.000		
99	1,4-dichlorobenzene	146	12.285	12.285	(1.001)	66325	100.000	104.402	
100	p-Diethylbenzene	119	12.497	12.497	(1.019)	60096	100.000	90.581	
101	n-butylbenzene	91	12.552	12.552	(1.023)	91208	100.000	101.041	
102	1,2-dichlorobenzene	146	12.706	12.706	(1.036)	59640	100.000	105.541	
103	1,2,4,5-tetramethylbenzene	119	13.286	13.286	(1.083)	91904	100.000	98.121	
104	1,2-dibromo-3-chloropropane	75	13.506	13.506	(1.101)	9416	100.000	108.350(M)	M1
105	1,3,5-trichlorobenzene	180	13.509	13.509	(1.101)	31434	100.000	100.511	
106	hexachlorobutadiene	225	14.078	14.078	(1.148)	10066	100.000	100.201	
107	1,2,4-trichlorobenzene	180	14.106	14.106	(1.150)	26475	100.000	104.047	
108	naphthalene	128	14.404	14.404	(1.174)	64511	100.000	105.037	
109	1,2,3-trichlorobenzene	180	14.569	14.569	(1.188)	22977	100.000	105.655	
188	Pentachloroethane	167	11.805	11.805	(0.962)	21531	100.000	93.584	

QC Flag Legend

T - Target compound detected outside RT window.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Lab File ID: 1107A17.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\liq8260C.m
Misc Info: wg838608,ical

Calibration Date: 07-NOV-2015
Calibration Time: 20:34
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	117708	58854	235416	119738	1.72
72 chlorobenzene-d5	93694	46847	187388	96275	2.75
98 1,4-dichlorobenze	50402	25201	100804	50723	0.64

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	6.06	5.56	6.56	6.06	0.05
72 chlorobenzene-d5	9.59	9.09	10.09	9.59	-0.03
98 1,4-dichlorobenze	12.27	11.77	12.77	12.27	-0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A17.D

Date : 08-NOV-2015 01:46

Client ID:

Instrument: Voa108.i

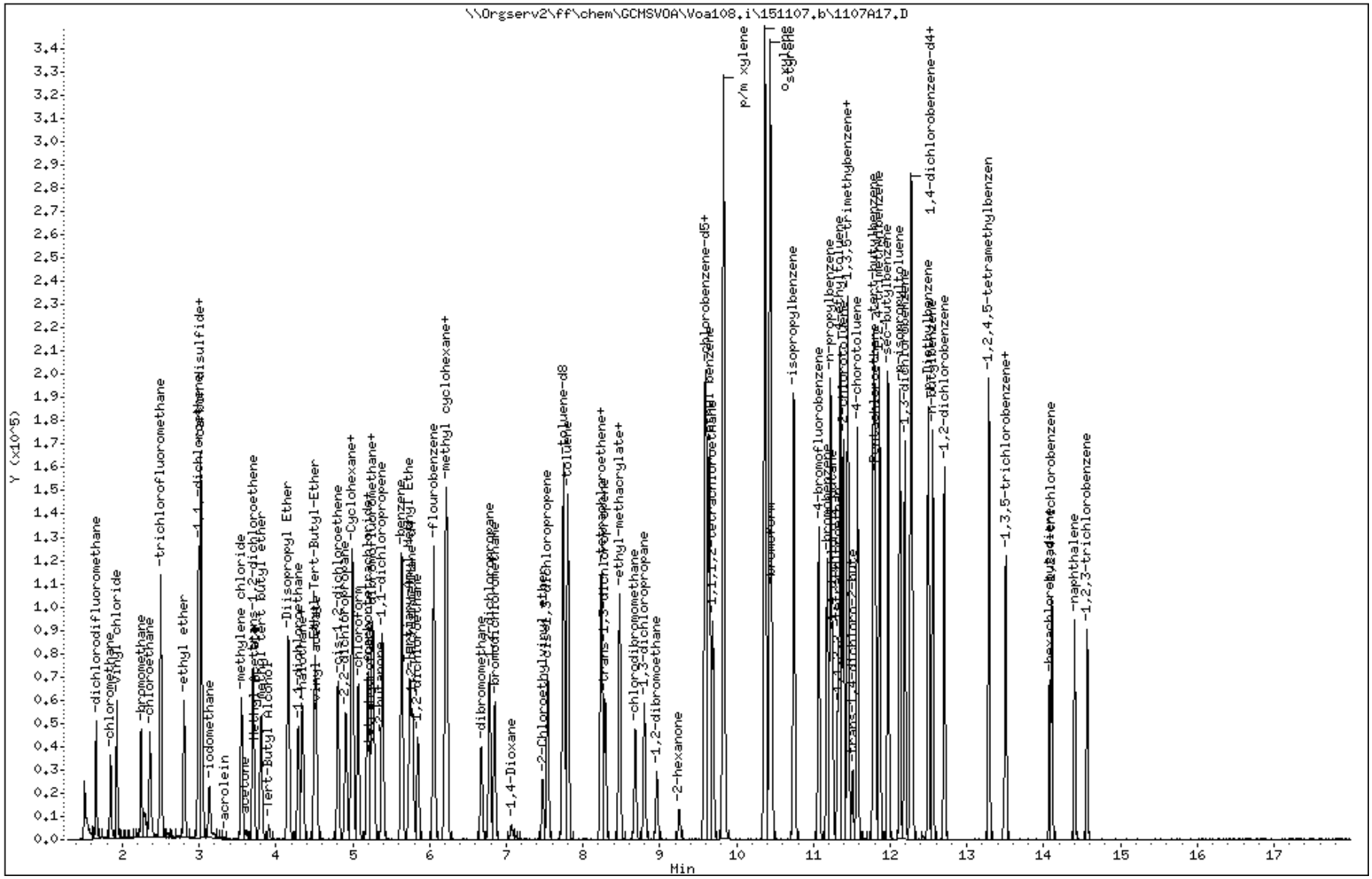
Sample Info: wg838608-10, icv

Purge Volume: 10.0

Operator: PD

Column phase:

Column diameter: 0.18



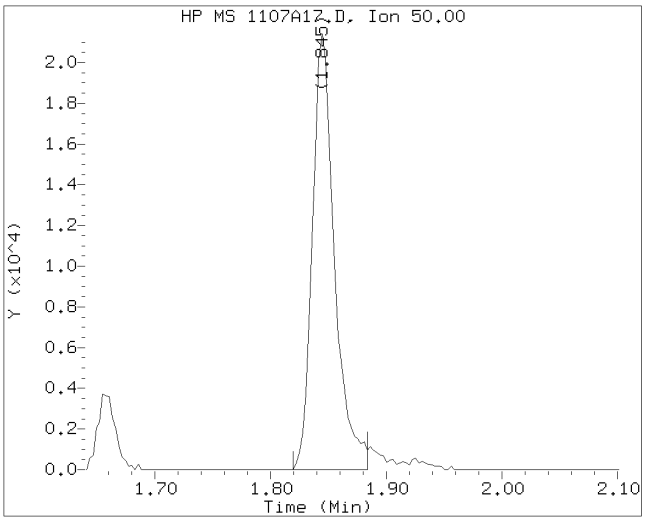
Alpha Analytical Labs

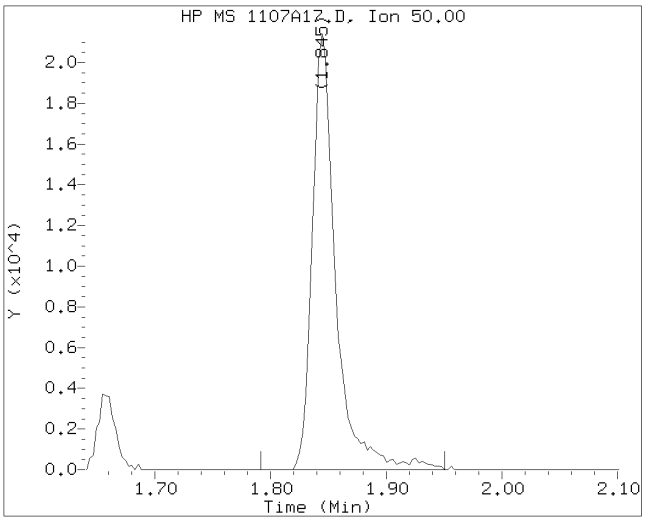
Manual Integration

Sample Info : wg838608-10, icv
wg838608,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A17.D
Injection Date : 08-NOV-2015 01:46
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 2: chloromethane

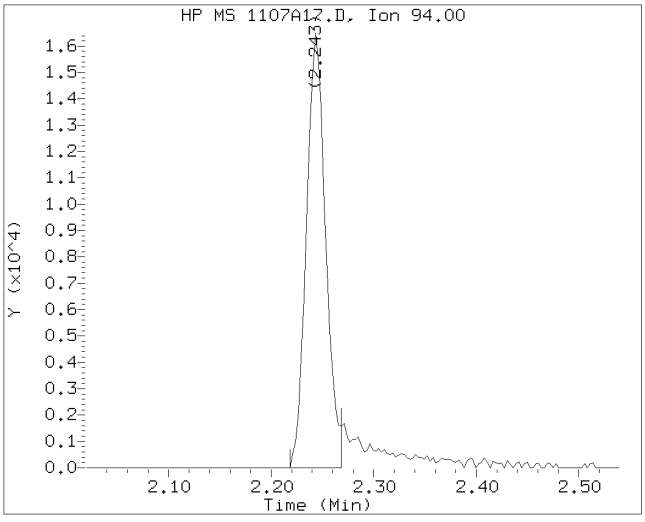


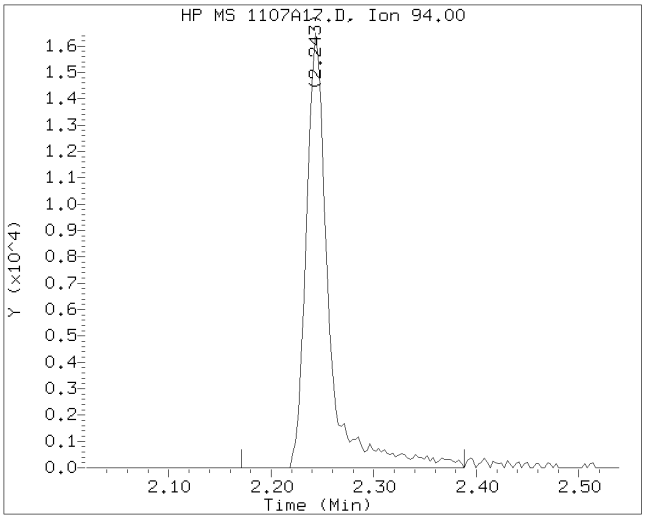


Original Peak Response = 28441 Manual Peak Response = 30190 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 4: bromomethane





Original Peak Response = 21663 Manual Peak Response = 25606 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

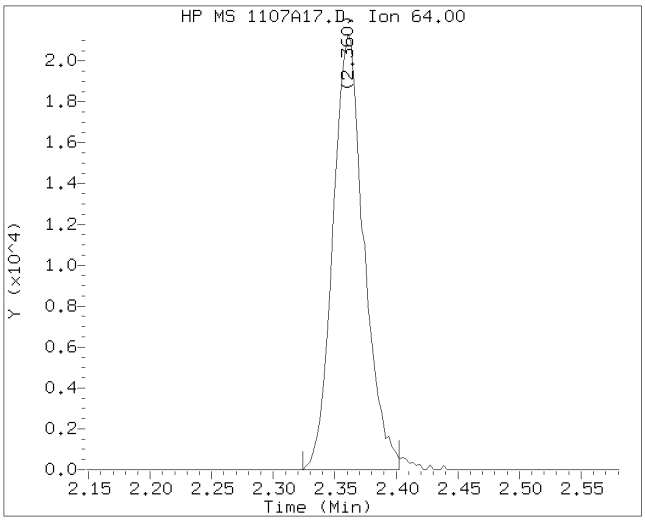
Alpha Analytical Labs

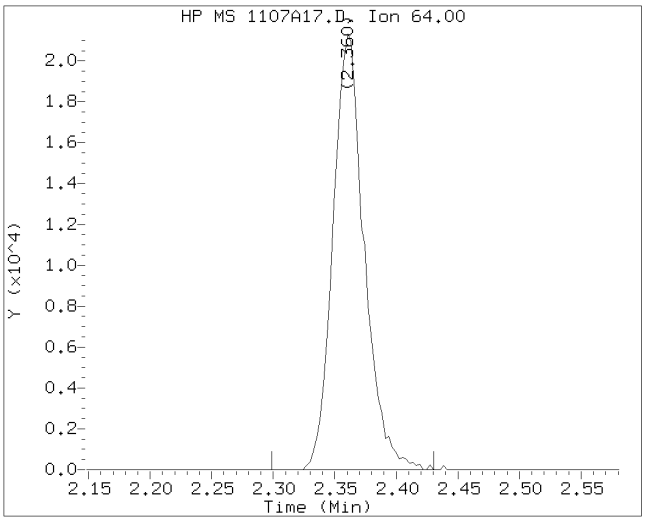
Manual Integration

Sample Info : wg838608-10, icv
wg838608,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A17.D
Injection Date : 08-NOV-2015 01:46
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 5: chloroethane

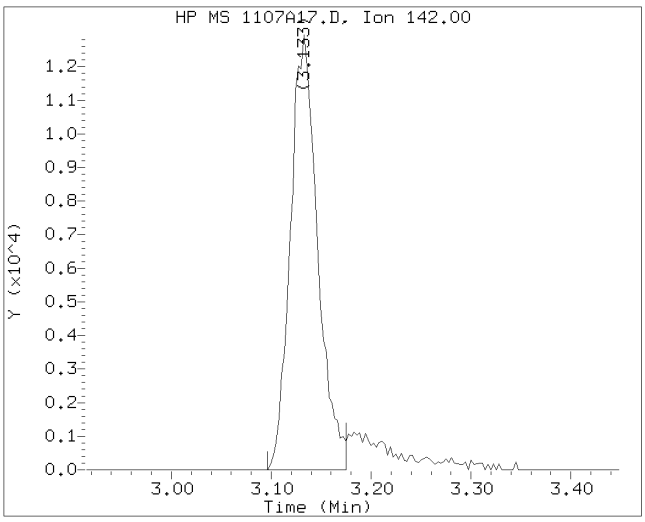


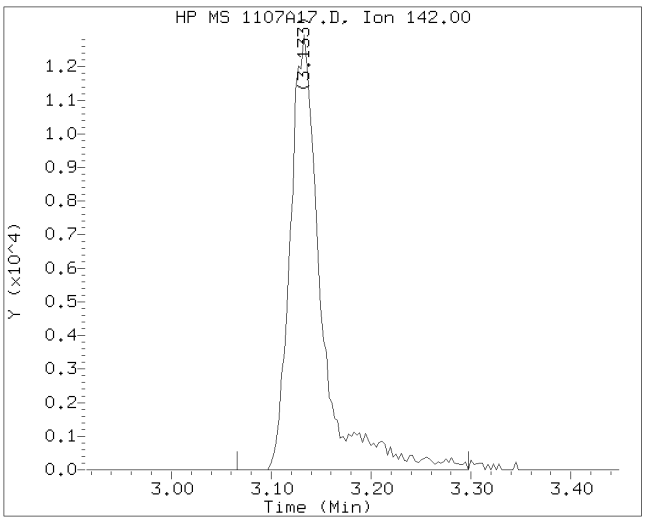


Original Peak Response = 37343 Manual Peak Response = 37764 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 12: iodomethane





Original Peak Response = 24607 Manual Peak Response = 28227 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

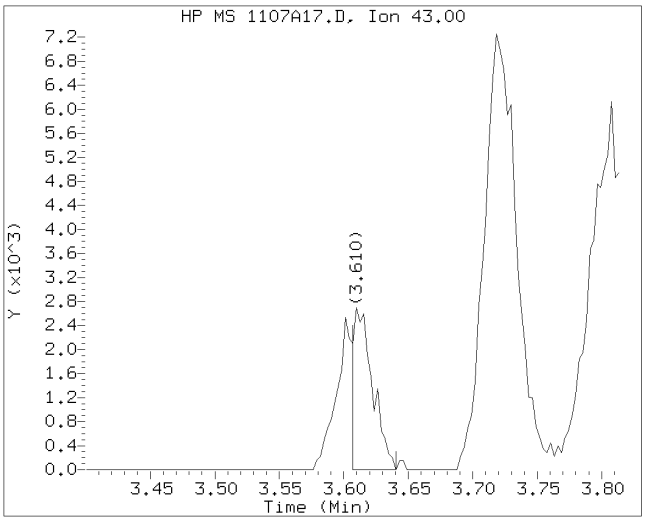
Alpha Analytical Labs

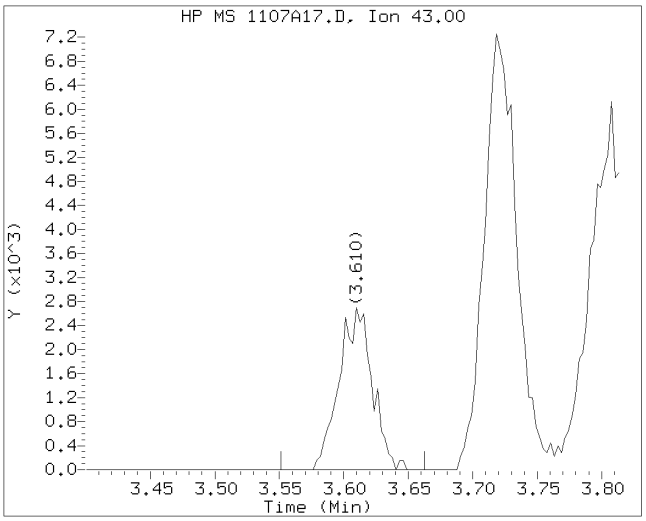
Manual Integration

Sample Info : wg838608-10, icv
wg838608,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A17.D
Injection Date : 08-NOV-2015 01:46
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 16: acetone

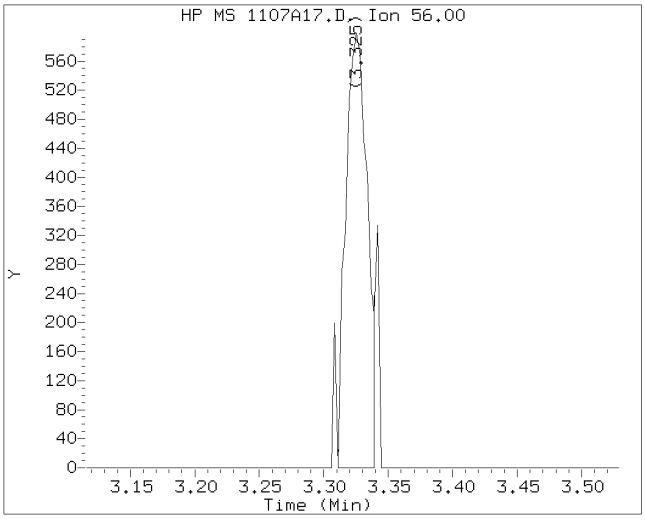


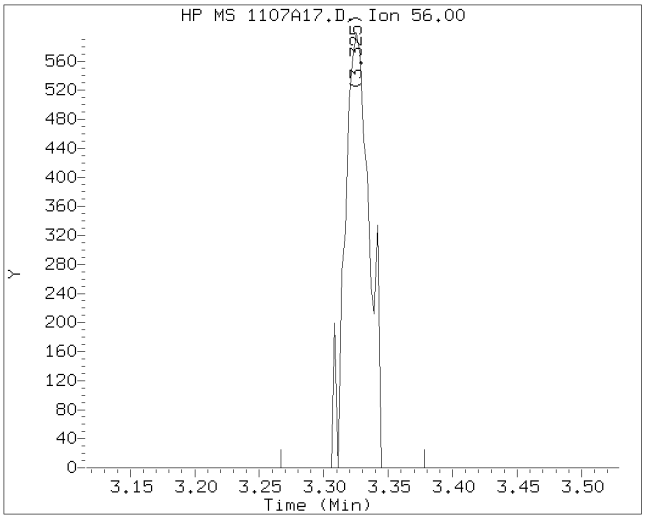


Original Peak Response = 2888 Manual Peak Response = 4829 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 13: acrolein





Original Peak Response = 694 Manual Peak Response = 784 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

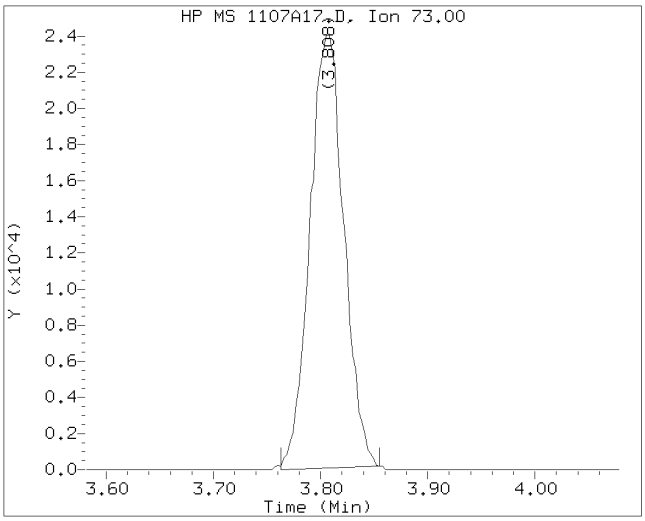
Alpha Analytical Labs

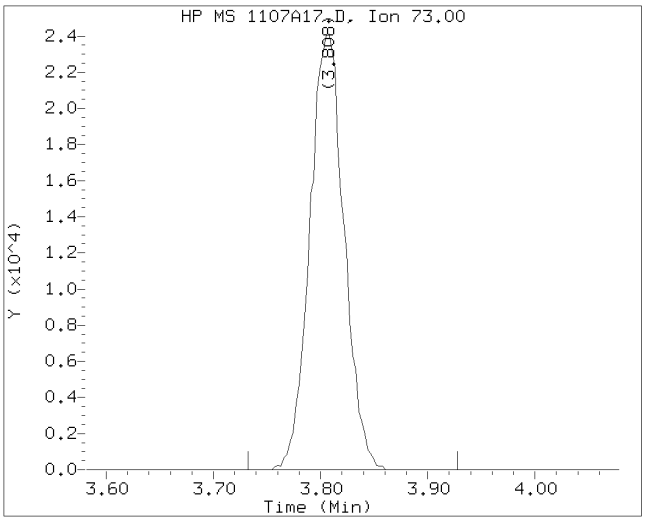
Manual Integration

Sample Info : wg838608-10, icv
wg838608,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A17.D
Injection Date : 08-NOV-2015 01:46
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 19: methyl tert butyl ether

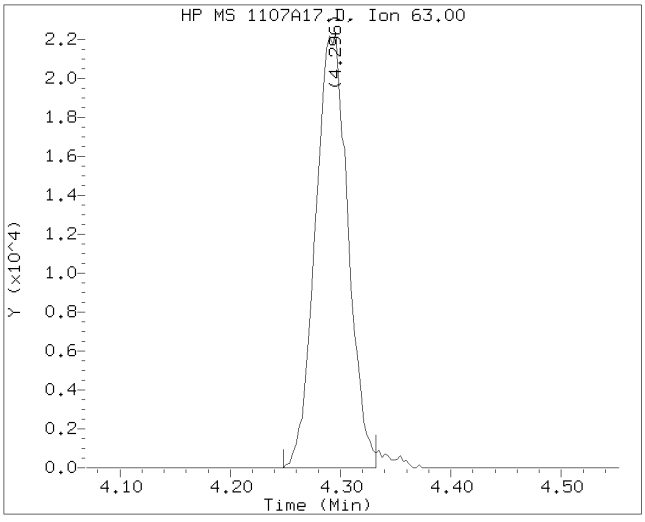


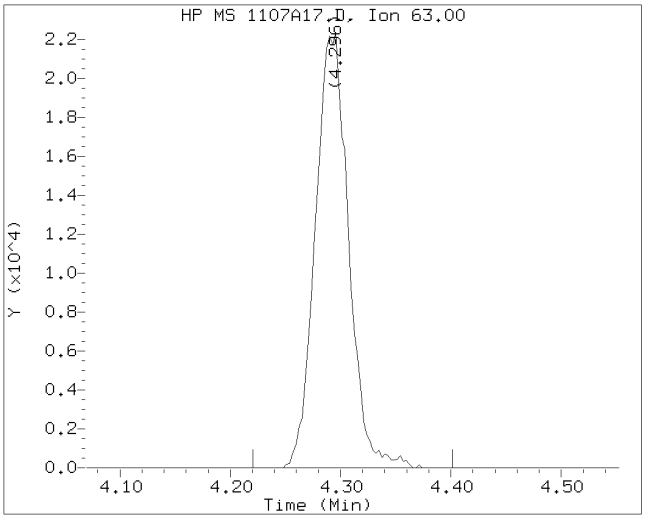


Original Peak Response = 53090 Manual Peak Response = 53785 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 22: 1,1-dichloroethane





Original Peak Response = 46215 Manual Peak Response = 47174 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

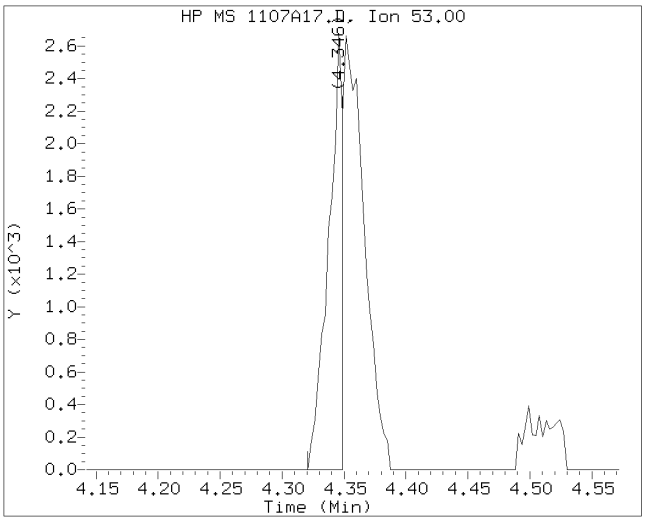
Alpha Analytical Labs

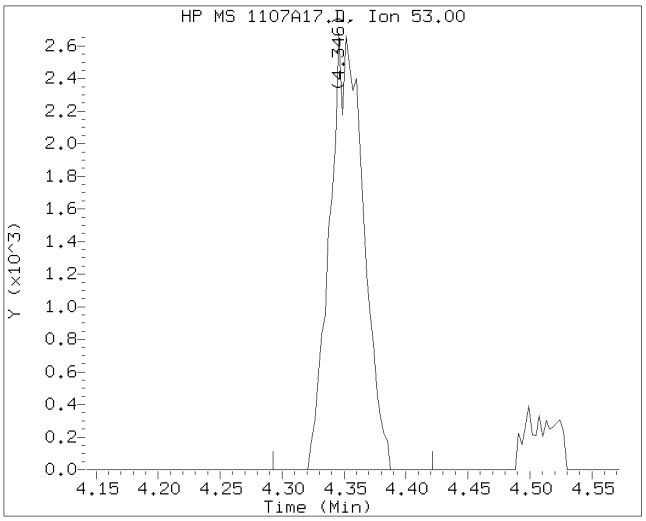
Manual Integration

Sample Info : wg838608-10, icv
wg838608,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A17.D
Injection Date : 08-NOV-2015 01:46
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 24: acrylonitrile

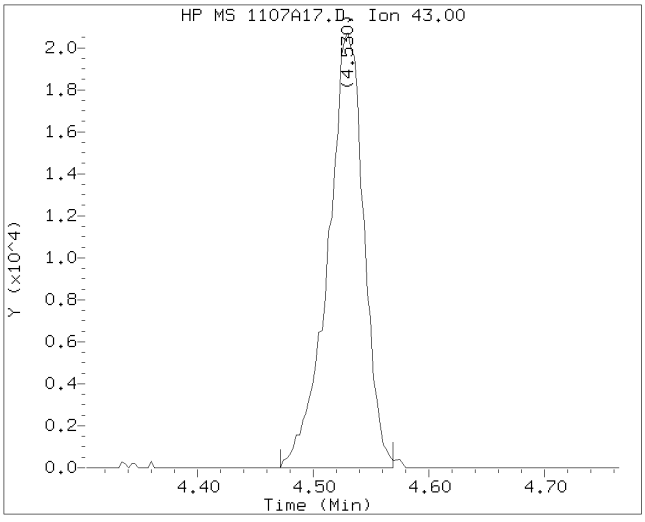


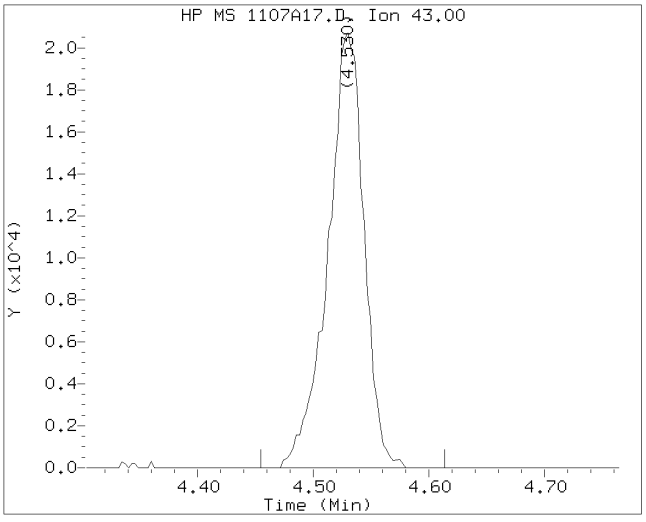


Original Peak Response = 2149 Manual Peak Response = 5106 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 26: vinyl acetate





Original Peak Response = 44843 Manual Peak Response = 45009 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

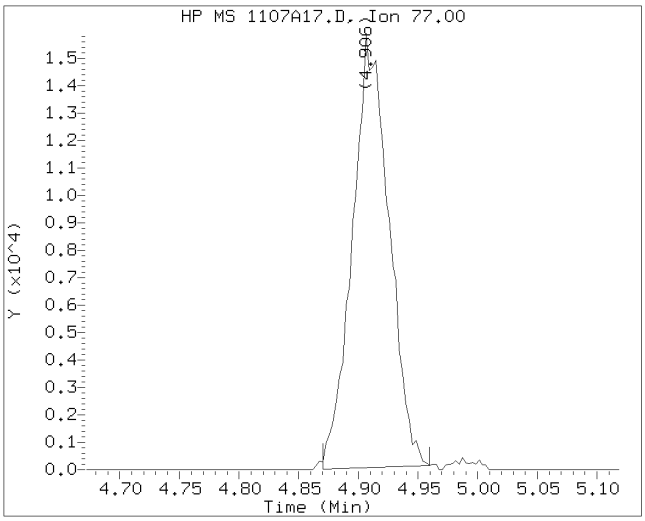
Alpha Analytical Labs

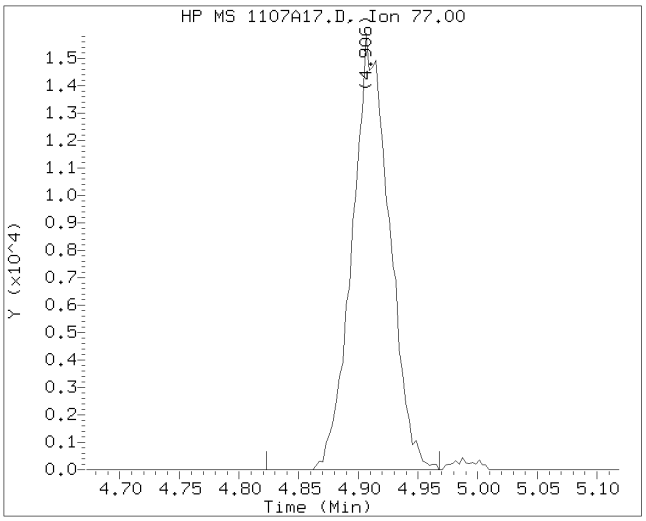
Manual Integration

Sample Info : wg838608-10, icv
wg838608,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A17.D
Injection Date : 08-NOV-2015 01:46
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 28: 2,2-dichloropropane

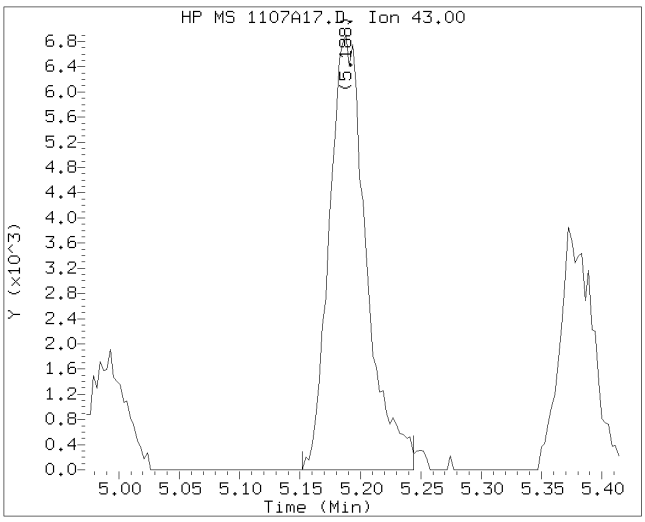


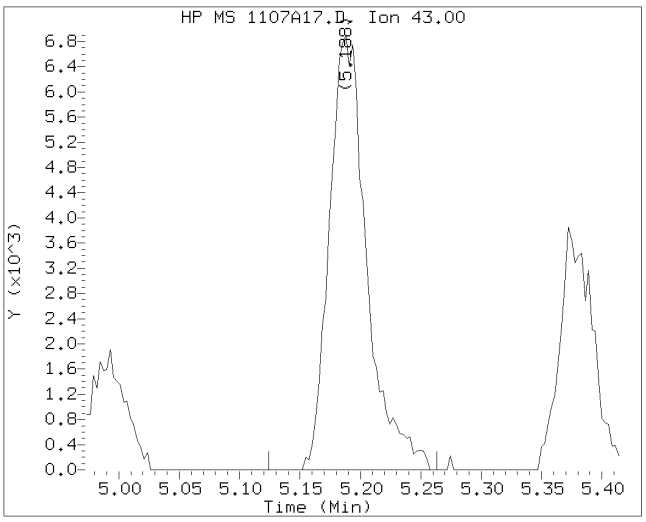


Original Peak Response = 33799 Manual Peak Response = 34424 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 32: Ethyl Acetate





Original Peak Response = 14721 Manual Peak Response = 14901 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

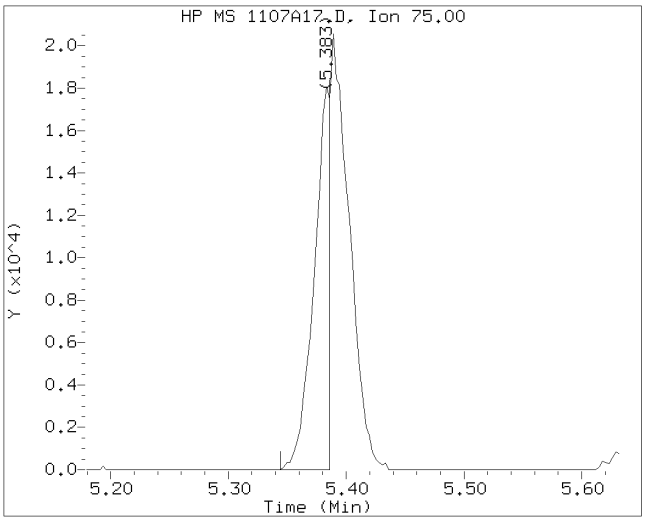
Alpha Analytical Labs

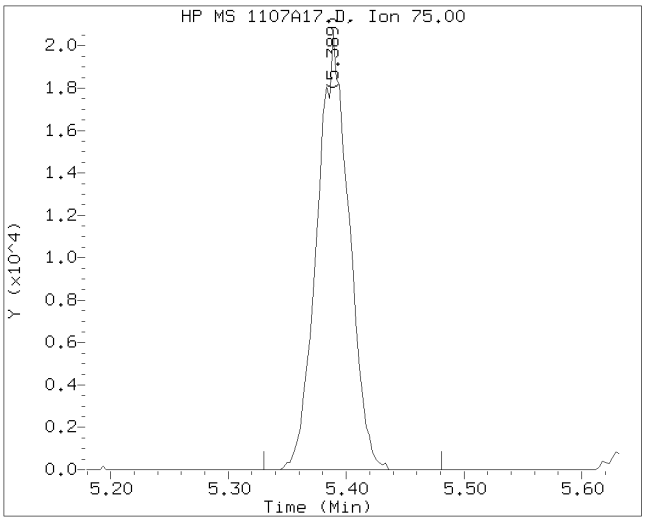
Manual Integration

Sample Info : wg838608-10, icv
wg838608,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A17.D
Injection Date : 08-NOV-2015 01:46
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 39: 1,1-dichloropropene

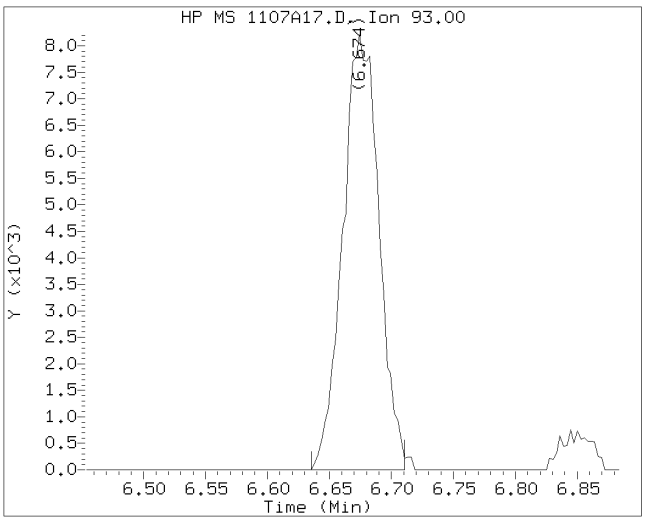


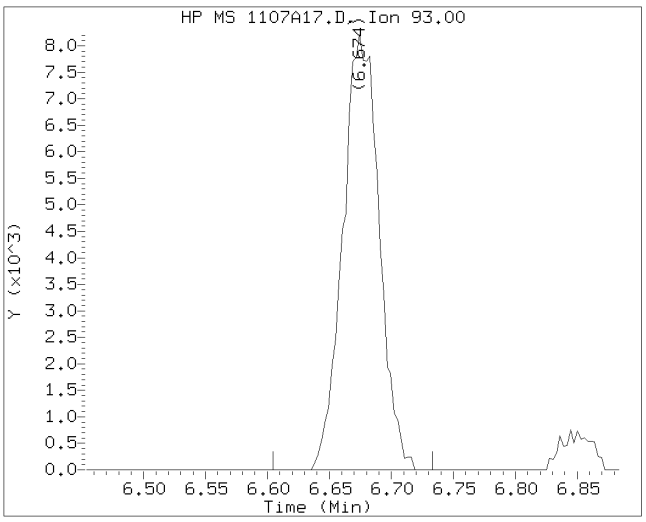


Original Peak Response = 17523 Manual Peak Response = 39003 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 50: dibromomethane





Original Peak Response = 16766 Manual Peak Response = 16844 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

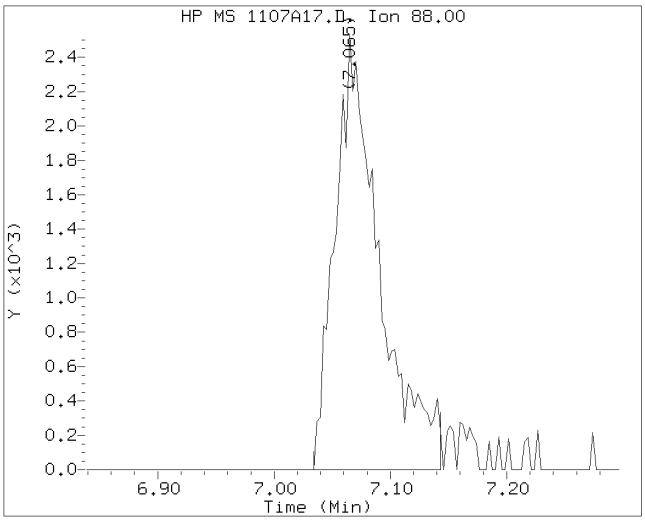
Alpha Analytical Labs

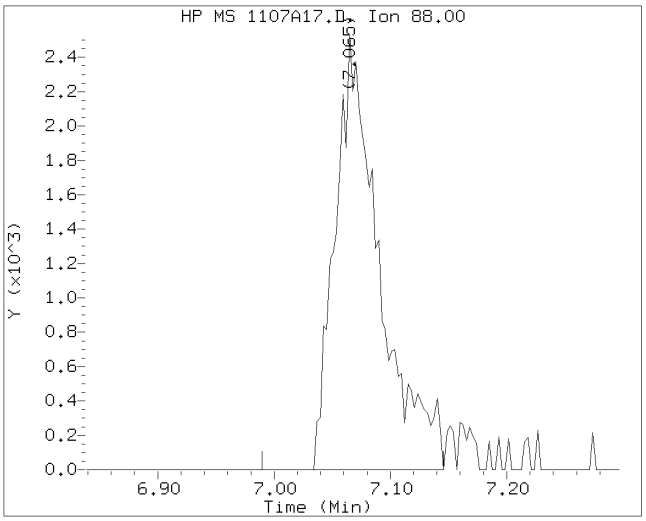
Manual Integration

Sample Info : wg838608-10, icv
wg838608,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A17.D
Injection Date : 08-NOV-2015 01:46
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 54: 1,4-Dioxane

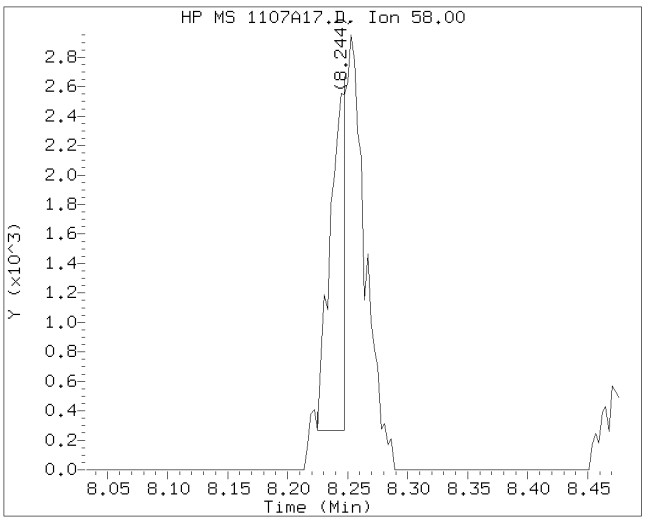


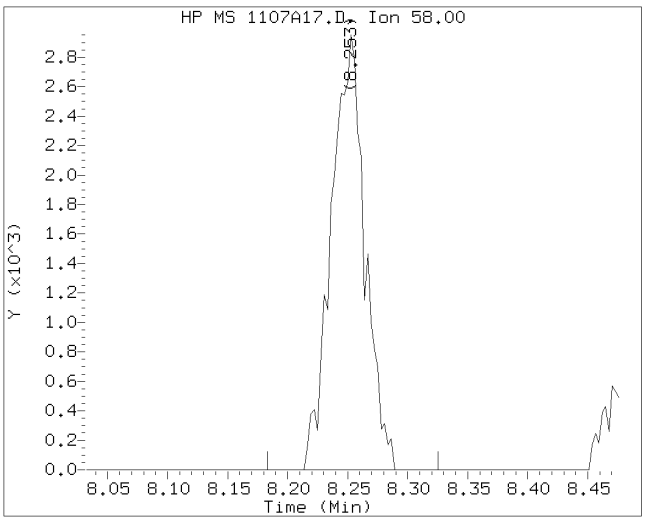


Original Peak Response = 6701 Manual Peak Response = 6701 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 60: 4-methyl-2-pentanone





Original Peak Response = 2021 Manual Peak Response = 5744 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

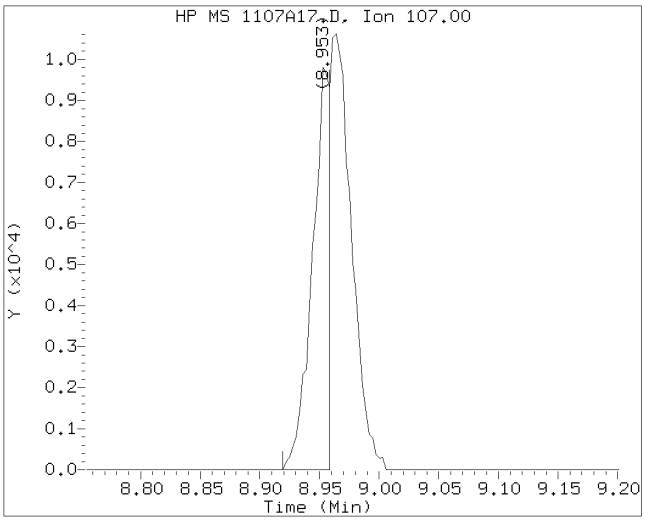
Alpha Analytical Labs

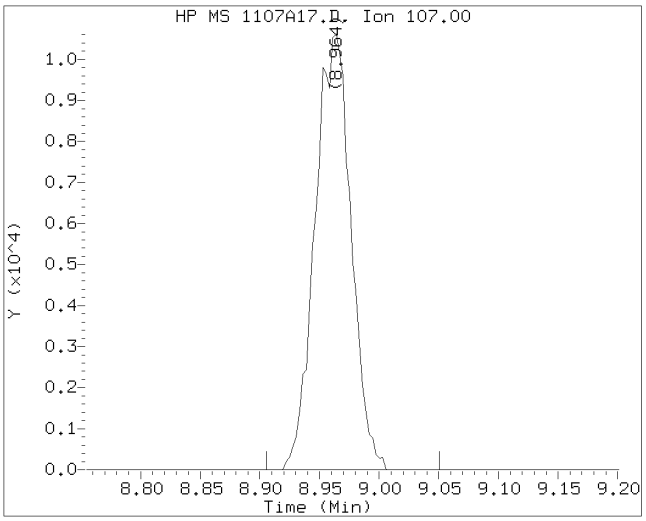
Manual Integration

Sample Info : wg838608-10, icv
wg838608,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A17.D
Injection Date : 08-NOV-2015 01:46
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 70: 1,2-dibromoethane

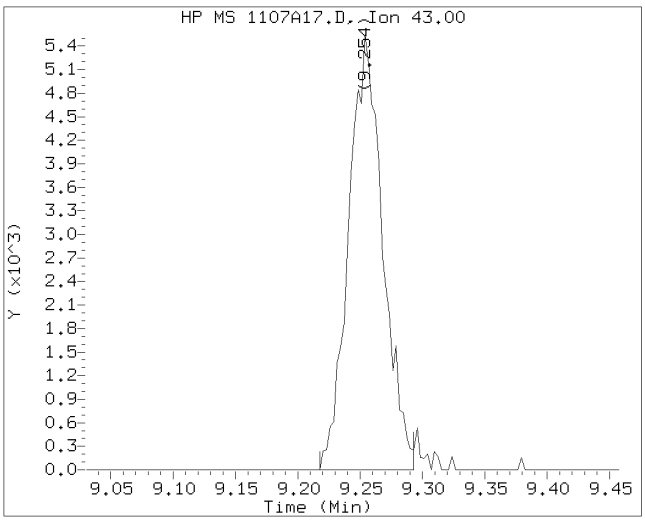


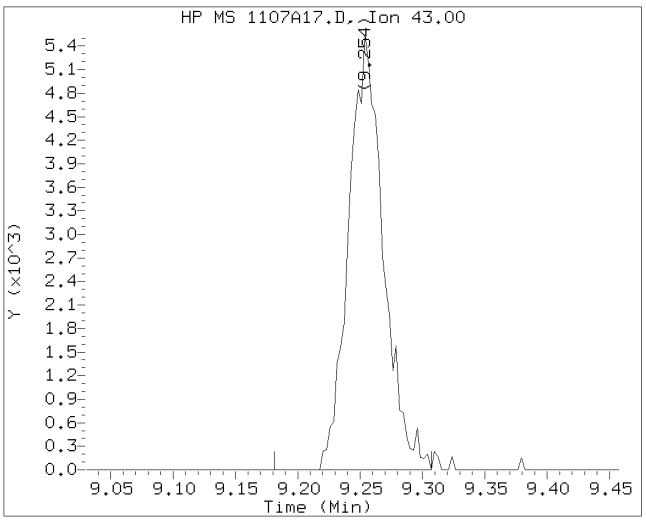


Original Peak Response = 10066 Manual Peak Response = 22389 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 71: 2-hexanone





Original Peak Response = 10554 Manual Peak Response = 10727 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

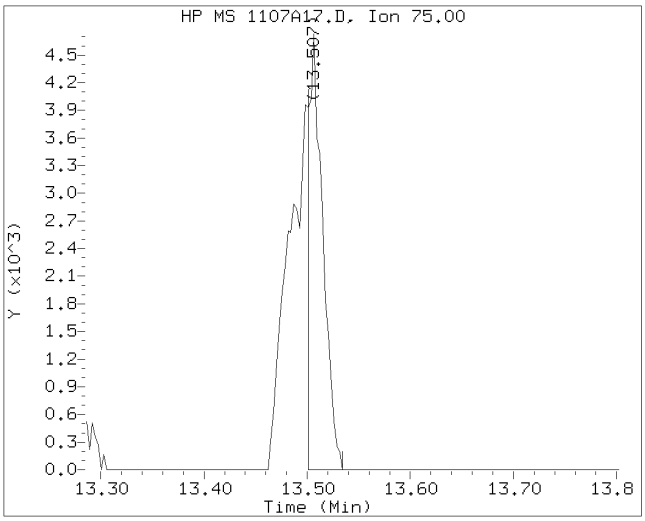
Alpha Analytical Labs

Manual Integration

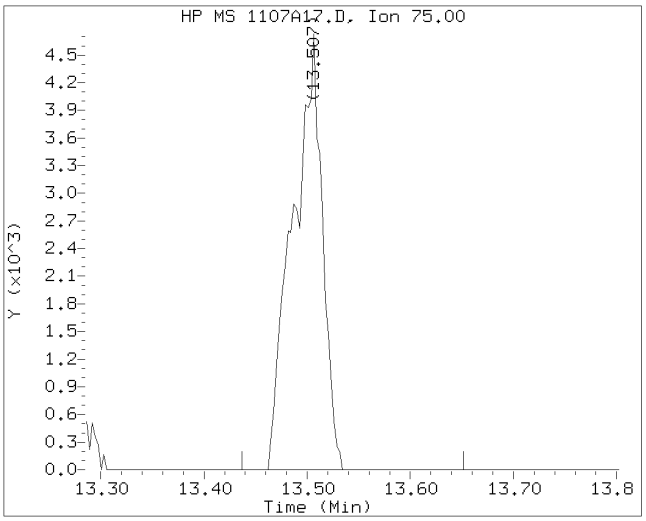
Sample Info : wg838608-10, icv
wg838608,ical

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1107A17.D
Injection Date : 08-NOV-2015 01:46
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 104: 1,2-dibromo-3-chloropropane



Original Peak Response = 4644



Manual Peak Response = 9416 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Work Group

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Jan 11 2016, 04:44 pm

Work Group: WG853951 for Department: 31 GC/MS - Volatiles

Created: 30-DEC-15 Due: Operator: PD

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1533584-01	NCB631PSWW-B-2015121	S	8260	WATER	DONE	U	1231	0105	2E	Vial-B
L1533584-02	NCB631PSWW-C-2015121	S	8260	WATER	DONE	U	1231	0105	2E	Vial-B
L1533584-03	NCB631PSWW-A-2015121	S	8260	WATER	DONE	U	1231	0105	2E	Vial-B
L1533584-04	BB009PSWW-A-20151217	S	8260	WATER	DONE	U	1231	0105	2E	Vial-B
L1533584-05	BB009PSWW-B-20151217	S	8260	WATER	DONE	U	1231	0105	2E	Vial-B
L1533588-01	O185PSWW-B-20151217	S	8260	WATER	DONE	U	1231	0105	2E	Vial-B
L1533588-02	MCL001PSWW-B-2015121	S	8260	WATER	DONE	U	1231	0105	2E	Vial-B
L1533588-03	MCL001PSWW-C-2015121	S	8260	WATER	DONE	U	1231	0105	2E	Vial-B
L1533588-04	O185PSWW-C-20151217	S	8260	WATER	DONE	U	1231	0105	2E	Vial-B
L1533588-05	PS-TB-20151217-17414	S	8260	WATER	DONE	U	1231	0105	2E	Vial-B
L1533588-06	MCL001PSWW-A-2015121	S	8260	WATER	DONE	U	1231	0105	2E	Vial-B
L1533588-07	O185PSWW-A-20151217	S	8260	WATER	DONE	U	1231	0105	2E	Vial-B
L1533592-07	DUP-20151217	S	8260	WATER	DONE	U	1231	0112	S0	Vial-B
L1533592-08	TRIP BLANK-20151217	S	8260	WATER	DONE	U	1231	0112	S0	Vial-B
L1533592-09	SW-3A-20151217	S	8260	WATER	DONE	U	1231	0112	S0	Vial-B
L1533592-10	SW-3B-20151217	S	8260	WATER	DONE	U	1231	0112	S0	Vial-B
L1533592-11	SW-3C-20151217	S	8260	WATER	DONE	U	1231	0112	S0	Vial-B
L1533592-12	EB20151217	S	8260	WATER	DONE	U	1231	0112	S0	Vial-B
WG853951-1	MS BFB Tune Standard	S	8260	WATER	DONE	U				
WG853951-10	Laboratory Method Bl	S	8260	WATER	DONE	U				
WG853951-2	Continuing Calibrati	S	8260	WATER	DONE	U				
WG853951-3	Laboratory Control S	S	8260	WATER	DONE	U				
WG853951-4	LCS Duplicate	S	8260	WATER	DONE	U				
WG853951-5	Laboratory Method Bl	S	8260	WATER	DONE	U				
WG853951-6	MS BFB Tune Standard	S	8260	WATER	DONE	U				
WG853951-7	Continuing Calibrati	S	8260	WATER	DONE	U				
WG853951-8	Laboratory Control S	S	8260	WATER	DONE	U				
WG853951-9	LCS Duplicate	S	8260	WATER	DONE	U				

Comments:

WG853951-4	WG853951-3
WG853951-9	WG853951-8

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Jan 11 2016, 04:44 pm

Work Group: WG854069 for Department: 31 GC/MS - Volatiles

Created: 30-DEC-15 Due: Operator:

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1533592-01	SW-1A-20151217	S	8260	WATER	DONE	U	1231	0112	S0	Vial-B
L1533592-02	SW-1B-20151217	S	8260	WATER	DONE	U	1231	0112	S0	Vial-B
L1533592-03	SW-1C-20151217	S	8260	WATER	DONE	U	1231	0112	S0	Vial-B
L1533592-04	SW-2A-20151217	S	8260	WATER	DONE	U	1231	0112	S0	Vial-B
L1533592-05	SW-2B-20151217	S	8260	WATER	DONE	U	1231	0112	S0	Vial-B
L1533592-06	SW-2C-20151217	S	8260	WATER	DONE	U	1231	0112	S0	Vial-B
WG854069-1	Laboratory Control S	S	8260	WATER	DONE	U				
WG854069-2	LCS Duplicate	S	8260	WATER	DONE	U				
WG854069-3	Laboratory Method Bl	S	8260	WATER	DONE	U				
WG854069-4	Matrix Spike	S	8260	WATER	DONE	U				
WG854069-5	Matrix Spike Duplica	S	8260	WATER	DONE	U				
WG854069-6	MS BFB Tune Standard	S	8260	WATER	DONE	U				
WG854069-7	Continuing Calibrati	S	8260	WATER	DONE	U				

Comments:

WG854069-2	WG854069-1
WG854069-4	L1533592-05
WG854069-5	L1533592-05

Sequence Logs

151107A **VOA108**

Inst: VOA108 BFB: V5368 Method GC: 8260
Initials: PD IS/SS: V5426 Autosampler: VOA108
Date: **11/07/15** ICAL: V5431, V5433, V5421 Concentrator: Default
Run: **A** ICV: V5435, V5419, V5430, V5418, V5420, V5422 QC:_____ Seq:_____

Vial	Data File	Sample	obs
1	BFB1107A	BFB TUNE	
1	1107A01	BLK	
2	1107A02	BLK	
3	1107A03	ICAL L11	
4	1107A04	ICAL L1	
5	1107A05	ICAL L2	
6	1107A06	ICAL L3	
7	1107A07	ICAL L4	
8	1107A08	ICAL L6	
9	1107A09	ICAL L8	
10	1107A10	ICAL L10	
11	1107A11	BLK	
12	1107A12	BLK	
13	1107A13	BLK	
14	1107A14	BLK	
15	1107A15	BLK	
16	1107A16	8260 ICV	
17	1107A17	8260 ICV	
18	1107A18	BLK	

Inst: VOA108 BFB: V5448 Method GC: 8260
Initials: PD IS/SS: V5506 Autosampler: VOA108
Date: **12/30/15** ICAL: V5431, V5433, V5421 Concentrator: Default
Run: **A** ICV: V5435, V5419, V5430, V5418, V5420, V5422 QC:_____ Seq:_____

Vial	Data File	Sample		obs
1	BFB1230A	BFB TUNE 07:05		
1	1230A01	8260 CCAL		
2	1230A02	8260 CCAL LCS		
3	1230A03	8260 CCAL LCSD		
4	1230A04	BLK		
5	1230A05	METHOD BLK		
6	1230A06	I1533584-01,31,10,,a	8260ANCHOR	pH<2
7	1230A07	I1533584-02,31,10,,a	8260ANCHOR	pH<2
8	1230A08	I1533584-03,31,10,,t	8260ANCHOR	pH<2
9	1230A09	I1533584-04,31,10,,t	8260ANCHOR	pH<2
10	1230A10	I1533584-05,31,10,,a	8260ANCHOR	pH<2
11	1230A11	I1533588-05,31,10,,a	8260ANCHOR	pH<2
12	1230A12	I1533588-01,31,10,,a	8260ANCHOR	pH<2
13	1230A13	I1533588-02,31,10,,a	8260ANCHOR	pH<2
14	1230A14	I1533588-03,31,10,,a	8260ANCHOR	pH<2
15	1230A15	I1533588-04,31,10,,a	8260ANCHOR	pH<2
16	1230A16	I1533588-06,31,10,,t	8260ANCHOR	pH<2
17	1230A17	I1533588-07,31,10,,t	8260ANCHOR	pH<2
18	1230A18	I1533592-05,31,10,,a	8260ANCHOR	pH<2
19	1230A19	I1533592-05MS,31,10,,a1	8260ANCHOR	pH<2
20	1230A20	I1533592-05MSD,31,10,,a2	8260ANCHOR	pH<2
21	1230A21	I1533592-01,31,10,,a	8260ANCHOR	pH<2
22	1230A22	I1533592-02,31,10,,a	8260ANCHOR	pH<2
23	1230A23	I1533592-03,31,10,,a	8260ANCHOR	pH<2
24	1230A24	I1533592-04,31,10,,a	8260ANCHOR	pH<2
25	1230A25	I1533592-06,31,10,,a	8260ANCHOR	pH<2
26	1230A26	I1533592-07,31,10,,a	8260ANCHOR	pH<2

Inst: VOA108 BFB: V5448 Method GC: 8260
Initials: MS IS/SS: V5506 Autosampler: VOA108
Date: **12/31/15** ICAL: V5431, V5433, V5421 Concentrator: Default
Run: **A** ICV: V5435, V5419, V5430, V5418, V5420, V5422 QC:_____ Seq:_____

Vial	Data File	Sample		obs
1	BFB1231B	BFB TUNE 09:21		
1	1231B01	8260 CCAL LCS		
2	1231B02	8260 CCAL LCSD		
3	1231B03	8260 CCAL		
4	1231B04	BLK		
5	1231B05	BLK		
6	1231B06	METHOD BLK		
7	1231B07	I1533584-05D,31,2,,c	8260ANCHOR	pH<2
8	1231B08	I1533592-07,31,10,,c	8260ANCHOR	pH<2
9	1231B09	I1533592-08,31,10,,a	8260ANCHOR	pH<2
10	1231B10	I1533592-09,31,10,,a	8260ANCHOR	pH<2
11	1231B11	I1533592-10,31,10,,a	8260ANCHOR	pH<2
12	1231B12	I1533592-11,31,10,,a	8260ANCHOR	pH<2
13	1231B13	I1533592-12,31,10,,a	8260ANCHOR	pH<2
14	1231B14	I1534105-01,31,10,,a	NJ/15	pH<2
15	1231B15	I1534105-02,31,10,,a	NJ/15	pH<2
16	1231B16	I1534105-03,31,10,,a	NJ/15	pH<2
17	1231B17	I1534105-04,31,10,,a	NJ/15	pH<2
18	1231B18	I1534105-05,31,10,,a	NJ/15	pH<2
19	1231B19	I1534105-06,31,10,,a	NJ/15	pH<2
20	1231B20	I1534105-07,31,10,,a	NJ/15	pH<2
21	1231B21	I1534105-08,31,10,,a	NJ/15	pH<2
22	1231B22	I1534105-09,31,10,,a	NJ/15	pH<2
23	1231B23	I1534105-10,31,10,,a	NJ/15	pH<2
24	1231B24	I1534105-11,31,10,,a	NJ/15	pH<2
25	1231B25	I1534140-01,31,10,,a	NJ/CHLFORM	pH<2
26	1231B26	I1534140-02,31,10,,a	NJ/CHLFORM	pH<2

Analytical Event

Continuing Calibration
BFB Tune

Alpha Analytical Labs

BFB method - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\BFB1230A.D
Lab Smp Id: BFB TUNE Client Smp ID: BFB TUNE
Inj Date : 30-DEC-2015 07:05
Operator : PD Inst ID: Voa108.i
Smp Info : wg854069-6, bfb
Misc Info : wg854069
Comment   :
Method   : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\bfb.m
Meth Date : 09-Sep-2013 13:25 Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 BFB						CAS #: 460-00-4		
4.345	4.602	(0.000)	95	51760			100.00- 100.00	100.00
4.345	4.602	(0.000)	50	10941			15.00- 40.00	21.14
4.345	4.602	(0.000)	75	26848			30.00- 60.00	51.87
4.345	4.602	(0.000)	96	3824			5.00- 9.00	7.39
4.345	4.602	(0.000)	173	741			0.00- 2.00	1.67
4.345	4.602	(0.000)	174	44264			50.00- 100.00	85.52
4.345	4.602	(0.000)	175	3607			5.00- 9.00	8.15
4.345	4.602	(0.000)	176	43544			95.00- 101.00	98.37
4.345	4.602	(0.000)	177	2773			5.00- 9.00	6.37

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\BFB1230A.D

Date : 30-DEC-2015 07:05

Client ID: BFB TUNE

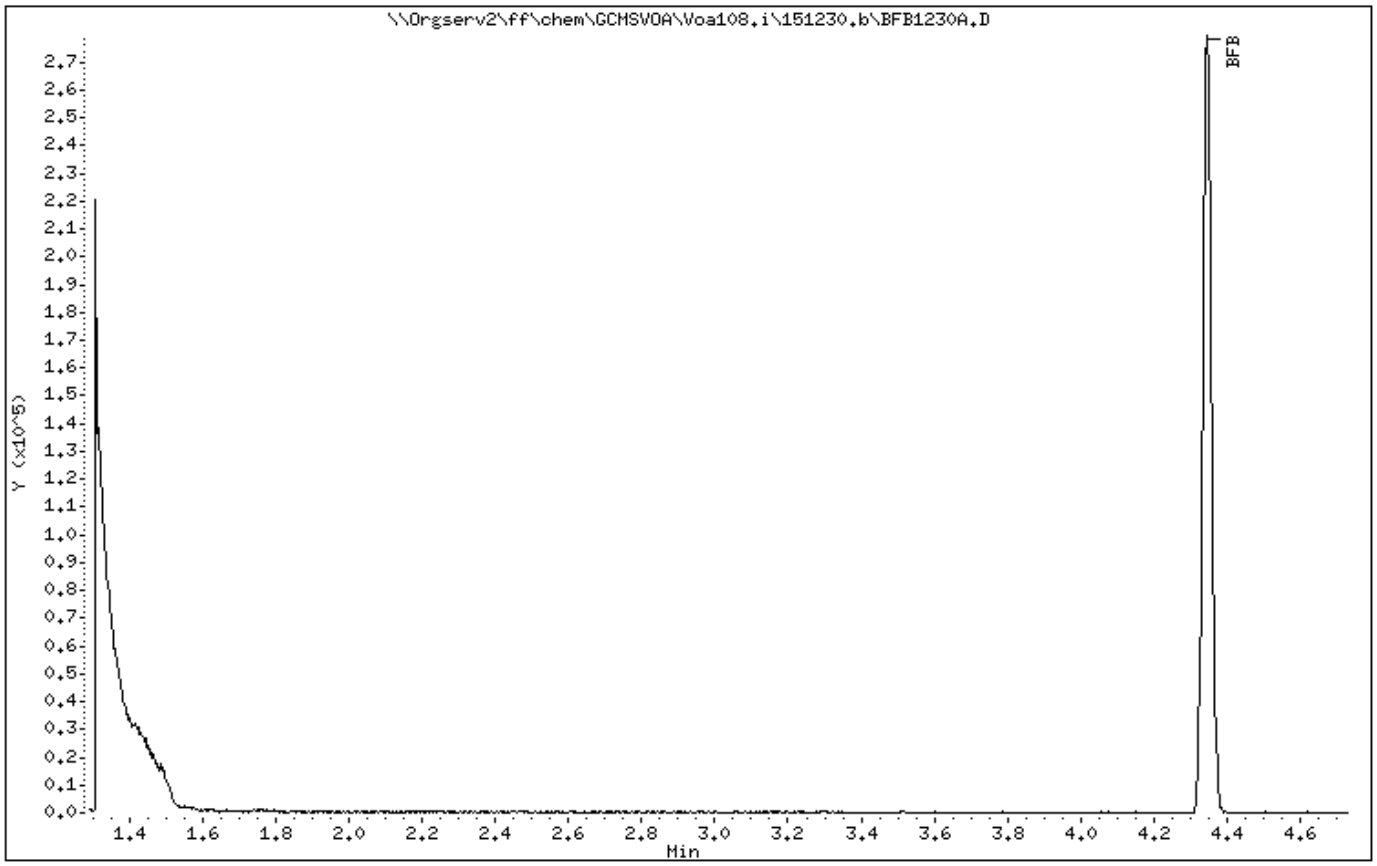
Instrument: Voa108.i

Sample Info: wg854069-6, bfb

Operator: PD

Column phase:

Column diameter: 0.18



Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\BFB1230A.D

Date : 30-DEC-2015 07:05

Client ID: BFB TUNE

Instrument: Voa108.i

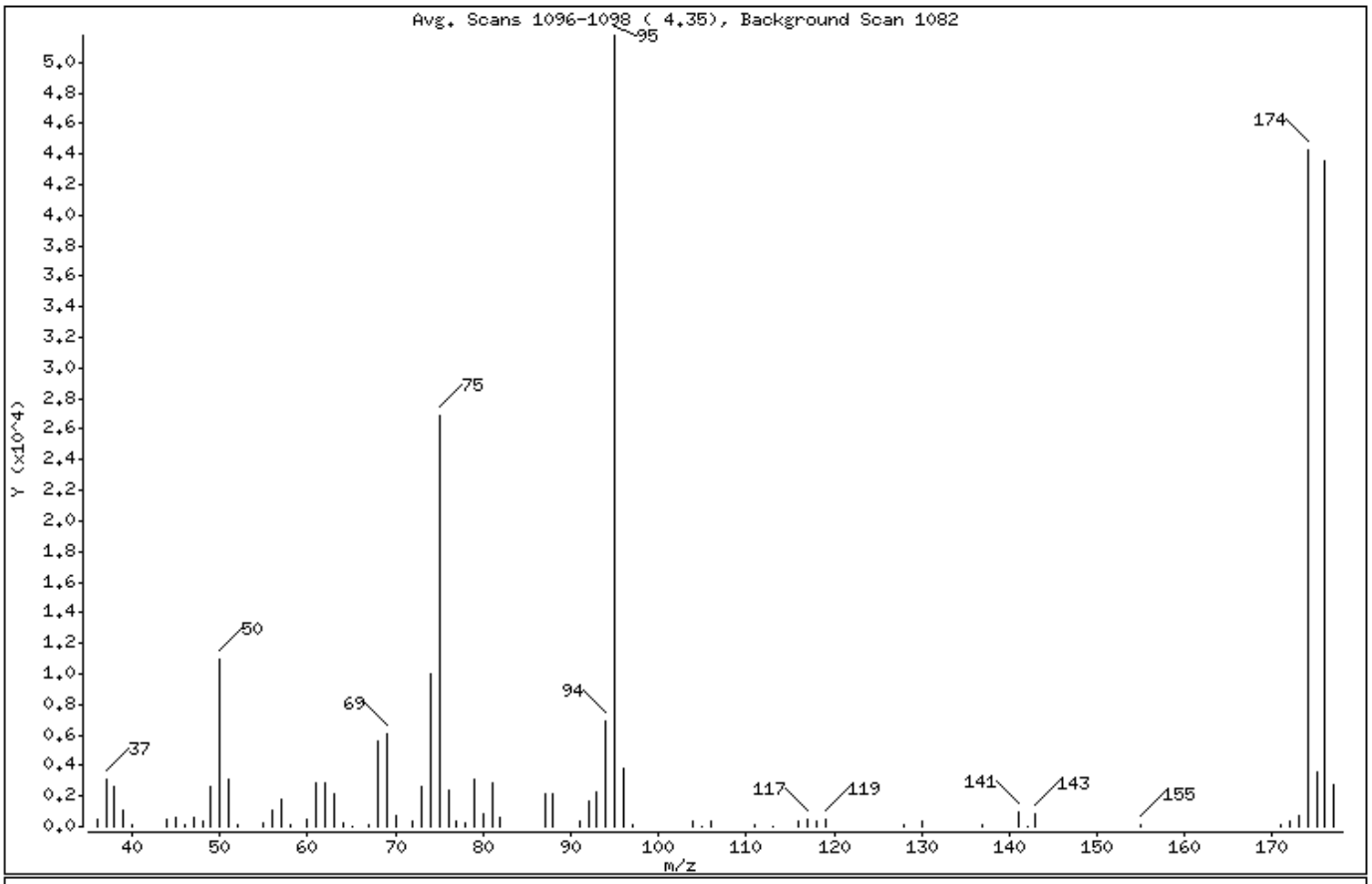
Sample Info: wg854069-6, bfb

Operator: PD

Column phase:

Column diameter: 0.18

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.14
75	30.00 - 60.00% of mass 95	51.87
96	5.00 - 9.00% of mass 95	7.39
173	Less than 2.00% of mass 174	1.43 (1.67)
174	50.00 - 100.00% of mass 95	85.52
175	5.00 - 9.00% of mass 174	6.97 (8.15)
176	95.00 - 101.00% of mass 174	84.13 (98.37)
177	5.00 - 9.00% of mass 176	5.36 (6.37)

Date : 30-DEC-2015 07:05

Client ID: BFB TUNE Instrument: Voa108.i

Sample Info: wg854069-6, bfb

Operator: PD

Column phase: Column diameter: 0.18

Data File: BFB1230A.D
Spectrum: Avg. Scans 1096-1098 (4.35), Background Scan 1082
Location of Maximum: 95.00
Number of points: 71

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	511	60.00	513	80.00	809	117.00	488
37.00	3145	61.00	2799	81.00	2905	118.00	298
38.00	2596	62.00	2884	82.00	652	119.00	471
39.00	1092	63.00	2131	87.00	2135	128.00	125
40.00	90	64.00	220	88.00	2187	130.00	328
44.00	534	65.00	51	91.00	395	137.00	61
45.00	607	67.00	112	92.00	1625	141.00	965
46.00	63	68.00	5645	93.00	2312	142.00	50
47.00	548	69.00	6085	94.00	6907	143.00	859
48.00	389	70.00	716	95.00	51760	155.00	72
49.00	2636	72.00	316	96.00	3824	171.00	68
50.00	10941	73.00	2633	97.00	62	172.00	352
51.00	3099	74.00	9944	104.00	305	173.00	741
52.00	64	75.00	26848	105.00	53	174.00	44264
55.00	229	76.00	2422	106.00	352	175.00	3607
56.00	1104	77.00	329	111.00	68	176.00	43544
57.00	1827	78.00	201	113.00	53	177.00	2773
58.00	61	79.00	3047	116.00	318		

Continuing Calibration

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Voa108.i Injection Date: 30-DEC-2015 07:52
Lab File ID: 1230A02.D Init. Cal. Date(s): 07-NOV-2015 07-NOV-2015
Analysis Type: WATER Init. Cal. Times: 19:08 22:27
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 dichlorodifluoromethane	0.19365	0.19039	0.19039	0.050	-1.68026	20.00000	Averaged	
2 chloromethane	0.19776	0.21770	0.21770	0.050	10.08022	20.00000	Averaged	
3 vinyl chloride	0.25445	0.23931	0.23931	0.050	-5.95312	20.00000	Averaged	
4 bromomethane	100	97.95404	0.16618	0.050	-2.04596	20.00000	Quadratic	
5 chloroethane	0.26674	0.19308	0.19308	0.050	-27.61342	20.00000	Averaged	<-
6 trichlorofluoromethane	0.61572	0.44972	0.44972	0.050	-26.96011	20.00000	Averaged	<-
9 1,1,-dichloroethene	0.34379	0.24519	0.24519	0.050	-28.67874	20.00000	Averaged	<-
11 freon-113	0.34939	0.24365	0.24365	0.050	-30.26479	20.00000	Averaged	<-
10 carbon disulfide	1.02075	0.66176	0.66176	0.050	-35.16917	20.00000	Averaged	<-
15 methylene chloride	0.21384	0.21435	0.21435	0.050	0.24202	20.00000	Averaged	
16 acetone	100	58.72989	0.03233	0.050	-41.27011	20.00000	Wt Linear	<-
17 trans-1,2-dichloroethene	0.21190	0.21898	0.21898	0.050	3.34348	20.00000	Averaged	
18 Methyl Acetate	0.08915	0.08459	0.08459	0.050	-5.11441	20.00000	Averaged	
19 methyl tert butyl ether	0.48369	0.43045	0.43045	0.050	-11.00829	20.00000	Averaged	
22 1,1-dichloroethane	0.38076	0.38760	0.38760	0.050	1.79592	20.00000	Averaged	
26 vinyl acetate	0.45220	0.42239	0.42239	0.050	-6.59210	20.00000	Averaged	
27 cis-1,2-dichloroethene	0.25067	0.24818	0.24818	0.050	-0.99501	20.00000	Averaged	
29 bromochloromethane	0.11855	0.12242	0.12242	0.050	3.26398	20.00000	Averaged	
30 Cyclohexane	0.31492	0.30568	0.30568	0.050	-2.93376	20.00000	Averaged	
31 chloroform	0.41124	0.40899	0.40899	0.050	-0.54619	20.00000	Averaged	
33 carbontetrachloride	0.32652	0.34398	0.34398	0.050	5.34671	20.00000	Averaged	
$ 36 dibromofluoromethane	0.27342	0.28255	0.28255	0.050	3.33665	30.00000	Averaged	
37 1,1,1-trichloroethane	0.35388	0.36714	0.36714	0.050	3.74605	20.00000	Averaged	
38 2-butanone	100	74.89683	0.05183	0.050	-25.10317	20.00000	Wt Linear	<-
40 benzene	0.88430	0.85411	0.85411	0.050	-3.41334	20.00000	Averaged	
$ 42 1,2-dichloroethane-d4	0.29648	0.27362	0.27362	0.050	-7.71281	30.00000	Averaged	
43 1,2-dichloroethane	0.27789	0.25964	0.25964	0.050	-6.56543	20.00000	Averaged	
47 methyl cyclohexane	0.34501	0.31752	0.31752	0.050	-7.96728	20.00000	Averaged	
48 trichloroethene	0.24877	0.24160	0.24160	0.050	-2.88126	20.00000	Averaged	
52 1,2-dichloropropane	0.21494	0.21488	0.21488	0.050	-0.02557	20.00000	Averaged	
53 bromodichloromethane	0.31242	0.29935	0.29935	0.050	-4.18308	20.00000	Averaged	
57 cis-1,3-dichloropropene	0.34422	0.33592	0.33592	0.050	-2.41313	20.00000	Averaged	
$ 58 toluene-d8	1.21991	1.24968	1.24968	0.050	2.43989	30.00000	Averaged	
59 toluene	0.70643	0.71414	0.71414	0.050	1.09214	20.00000	Averaged	
60 4-methyl-2-pentanone	0.05281	0.04143	0.04143	0.050	-21.54346	20.00000	Averaged	<-
61 tetrachloroethene	0.31269	0.32046	0.32046	0.050	2.48704	20.00000	Averaged	
62 trans-1,3-dichloropropene	0.36184	0.35311	0.35311	0.050	-2.41115	20.00000	Averaged	
66 1,1,2-trichloroethane	0.18760	0.18275	0.18275	0.050	-2.58073	20.00000	Averaged	
67 chlorodibromomethane	0.28514	0.29426	0.29426	0.050	3.19866	20.00000	Averaged	
70 1,2-dibromoethane	0.22296	0.21762	0.21762	0.050	-2.39378	20.00000	Averaged	
71 2-hexanone	0.11172	0.08511	0.08511	0.050	-23.81611	20.00000	Averaged	<-
73 chlorobenzene	0.84781	0.84093	0.84093	0.050	-0.81142	20.00000	Averaged	
74 ethyl benzene	1.42076	1.34104	1.34104	0.050	-5.61069	20.00000	Averaged	

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Voa108.i Injection Date: 30-DEC-2015 07:52
Lab File ID: 1230A02.D Init. Cal. Date(s): 07-NOV-2015 07-NOV-2015
Analysis Type: WATER Init. Cal. Times: 19:08 22:27
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
76 p/m xylene	0.58673	0.53600	0.53600	0.050	-8.64553	20.00000	Averaged
77 o xylene	0.57138	0.47536	0.47536	0.050	-16.80475	20.00000	Averaged
78 styrene	0.92751	0.80135	0.80135	0.050	-13.60200	20.00000	Averaged
79 bromoform	100	95.70415	0.34040	0.050	-4.29585	20.00000	Wt Linear
80 isopropylbenzene	2.66035	2.70864	2.70864	0.050	1.81529	20.00000	Averaged
$ 81 4-bromofluorobenzene	0.80858	0.85275	0.85275	0.050	5.46178	30.00000	Averaged
85 1,1,2,2,-tetrachloroethane	0.48815	0.50230	0.50230	0.050	2.89858	20.00000	Averaged
97 1,3-dichlorobenzene	1.24980	1.28682	1.28682	0.050	2.96220	20.00000	Averaged
99 1,4-dichlorobenzene	1.25245	1.25838	1.25838	0.050	0.47339	20.00000	Averaged
102 1,2-dichlorobenzene	1.11406	1.13410	1.13410	0.050	1.79871	20.00000	Averaged
104 1,2-dibromo-3-chloropropane	0.17133	0.15695	0.15695	0.050	-8.39138	20.00000	Averaged
107 1,2,4-trichlorobenzene	0.50165	0.45200	0.45200	0.050	-9.89712	20.00000	Averaged
109 1,2,3-trichlorobenzene	0.42874	0.39042	0.39042	0.050	-8.93876	20.00000	Averaged

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D
Lab Smp Id:
Inj Date : 30-DEC-2015 07:52
Operator : PD Inst ID: Voa108.i
Smp Info : wg854069-7, ccal
Misc Info : wg854069,ical11667
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Meth Date : 31-Dec-2015 07:23 Voa108.i Quant Type: ISTD
Cal Date : 07-NOV-2015 22:27 Cal File: 1107A10.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	1.649	1.649	(0.273)	22663	100.000	98.319	
	2 chloromethane	50	1.836	1.836	(0.303)	25913	100.000	110.080	
	3 vinyl chloride	62	1.919	1.919	(0.317)	28485	100.000	94.046	
	4 bromomethane	94	2.235	2.235	(0.369)	19781	100.000	97.954(M)	M1
	5 chloroethane	64	2.352	2.352	(0.389)	22983	100.000	72.386	
	6 trichlorofluoromethane	101	2.488	2.488	(0.411)	53531	100.000	73.039	
	9 1,1,-dichloroethene	96	2.982	2.982	(0.493)	29186	100.000	71.321(M)	M1
	11 freon-113	101	3.018	3.018	(0.499)	29002	100.000	69.735	
	10 carbon disulfide	76	3.007	3.007	(0.497)	78771	100.000	64.830	
	15 methylene chloride	84	3.545	3.545	(0.586)	25515	100.000	100.242	
	16 acetone	43	3.601	3.601	(0.595)	3848	100.000	58.729(M)	M1
	17 trans-1,2-dichloroethene	96	3.687	3.687	(0.610)	26066	100.000	103.343	
	18 Methyl Acetate	43	3.712	3.712	(0.614)	10069	100.000	94.885	
	19 methyl tert butyl ether	73	3.793	3.793	(0.627)	51237	100.000	88.991	
	22 1,1-dichloroethane	63	4.279	4.279	(0.707)	46137	100.000	101.795	
	26 vinyl acetate	43	4.518	4.518	(0.747)	50278	100.000	93.407	
	27 cis-1,2-dichloroethene	96	4.800	4.800	(0.793)	29541	100.000	99.004	
	29 bromochloromethane	128	4.992	4.992	(0.825)	14572	100.000	103.263	
	30 Cyclohexane	56	4.976	4.976	(0.823)	36386	100.000	97.066	
	31 chloroform	83	5.062	5.062	(0.837)	48683	100.000	99.453	
	33 carbontetrachloride	117	5.185	5.185	(0.857)	40945	100.000	105.346	
$	36 dibromofluoromethane	113	5.241	5.241	(0.866)	33632	100.000	103.336	
	37 1,1,1-trichloroethane	97	5.260	5.260	(0.870)	43701	100.000	103.746	
	38 2-butanone	43	5.369	5.369	(0.888)	6170	100.000	74.896(M)	M1
	40 benzene	78	5.631	5.631	(0.931)	101667	100.000	96.586	
$	42 1,2-dichloroethane-d4	65	5.768	5.768	(0.953)	32569	100.000	92.287	
	43 1,2-dichloroethane	62	5.837	5.837	(0.965)	30906	100.000	93.434	
*	46 flourobenzene	96	6.049	6.049	(1.000)	119032	100.000		

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
	47 methyl cyclohexane	83	6.200	6.200	(1.025)	37795	100.000	92.032(M)	M1
	48 trichloroethene	95	6.219	6.219	(1.028)	28758	100.000	97.118	
	52 1,2-dichloropropane	63	6.769	6.769	(1.119)	25578	100.000	99.974	
	53 bromodichloromethane	83	6.836	6.836	(1.130)	35632	100.000	95.816	
	57 cis-1,3-dichloropropene	75	7.530	7.530	(1.245)	39985	100.000	97.586	
$	58 toluene-d8	98	7.734	7.734	(0.808)	117737	100.000	102.439	
	59 toluene	92	7.792	7.792	(0.814)	67282	100.000	101.092	
	60 4-methyl-2-pentanone	58	8.233	8.233	(1.361)	4932	100.000	78.456(M)	M1
	61 tetrachloroethene	166	8.222	8.222	(0.859)	30192	100.000	102.487	
	62 trans-1,3-dichloropropene	75	8.275	8.275	(0.864)	33268	100.000	97.588	
	66 1,1,2-trichloroethane	83	8.464	8.464	(0.884)	17218	100.000	97.419	
	67 chlorodibromomethane	129	8.668	8.668	(0.905)	27723	100.000	103.198	
	70 1,2-dibromoethane	107	8.950	8.950	(0.935)	20503	100.000	97.606	
	71 2-hexanone	43	9.242	9.242	(0.965)	8019	100.000	76.183(M)	M1
*	72 chlorobenzene-d5	117	9.574	9.574	(1.000)	94214	100.000		
	73 chlorobenzene	112	9.594	9.594	(1.002)	79227	100.000	99.188	
	74 ethyl benzene	91	9.633	9.633	(1.006)	126345	100.000	94.389	
	76 p/m xylene	106	9.817	9.817	(1.025)	100998	200.000	182.708	
	77 o xylene	106	10.358	10.358	(1.082)	89572	200.000	166.390	
	78 styrene	104	10.425	10.425	(1.089)	150997	200.000	172.796	
	79 bromoform	173	10.450	10.450	(0.852)	15687	100.000	95.704(M)	M1
	80 isopropylbenzene	105	10.740	10.740	(0.876)	124825	100.000	101.815	
$	81 4-bromofluorobenzene	95	11.061	11.061	(0.902)	39298	100.000	105.461	
	85 1,1,2,2,-tetrachloroethane	83	11.309	11.309	(0.922)	23148	100.000	102.898	
	97 1,3-dichlorobenzene	146	12.190	12.190	(0.994)	59302	100.000	102.962	
*	98 1,4-dichlorobenzene-d4	152	12.265	12.265	(1.000)	46084	100.000		
	99 1,4-dichlorobenzene	146	12.282	12.282	(1.001)	57991	100.000	100.473	
	102 1,2-dichlorobenzene	146	12.700	12.700	(1.035)	52264	100.000	101.798	
	104 1,2-dibromo-3-chloropropane	75	13.498	13.498	(1.100)	7233	100.000	91.608(M)	M1
	107 1,2,4-trichlorobenzene	180	14.103	14.103	(1.150)	20830	100.000	90.102	
	109 1,2,3-trichlorobenzene	180	14.563	14.563	(1.187)	17992	100.000	91.061	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Lab File ID: 1230A02.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Misc Info: wg854069,ical11667

Calibration Date: 30-DEC-2015
Calibration Time: 07:24
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

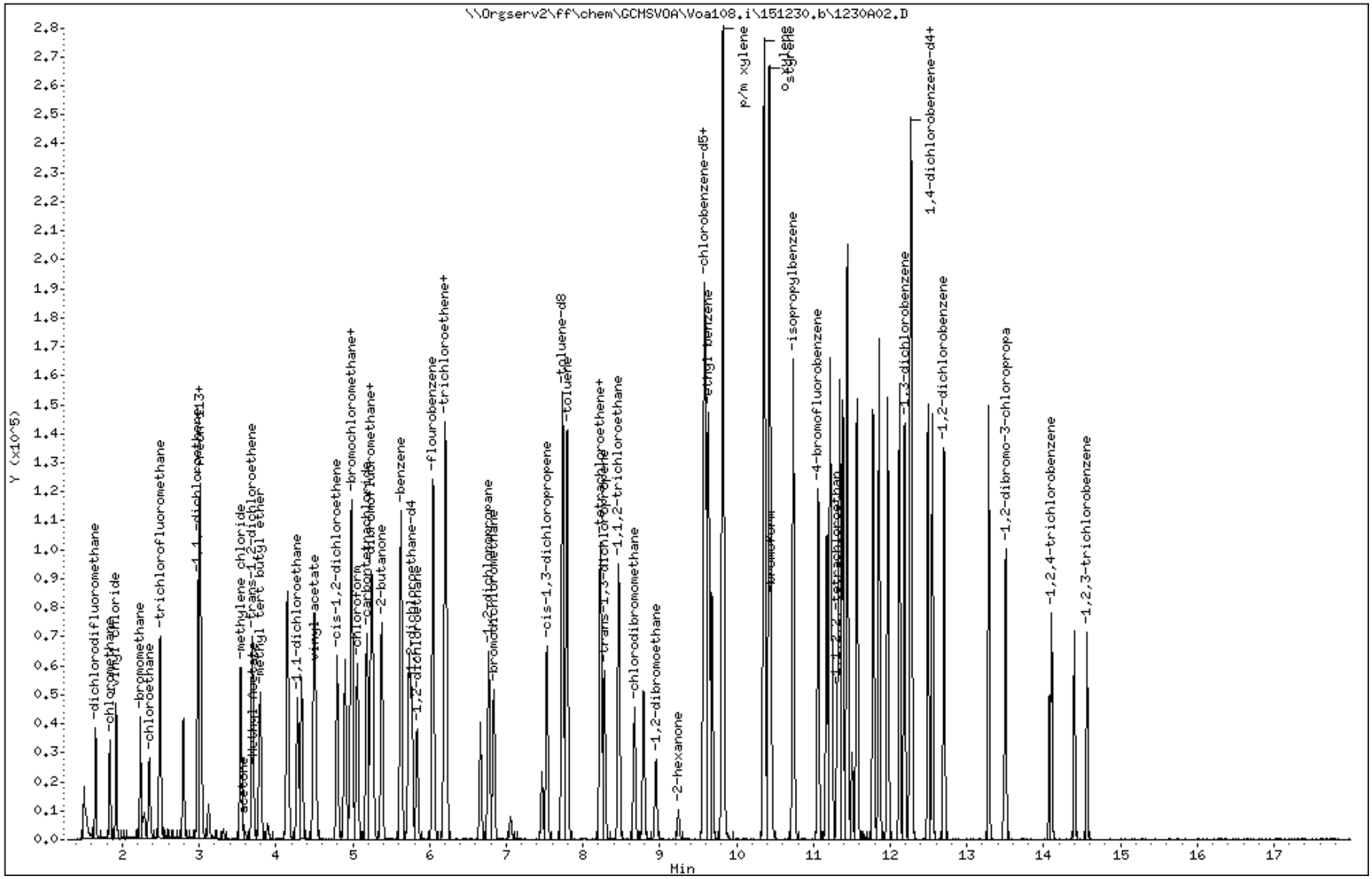
		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
46 flourobenzene	117708	58854	235416	119032	1.12
72 chlorobenzene-d5	93694	46847	187388	94214	0.55
98 1,4-dichlorobenze	50402	25201	100804	46084	-8.57

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D
Date : 30-DEC-2015 07:52
Client ID:
Sample Info: wg854069-7, ccal
Purge Volume: 10.0
Column phase:

Instrument: Voa108.i
Operator: PD
Column diameter: 0.18



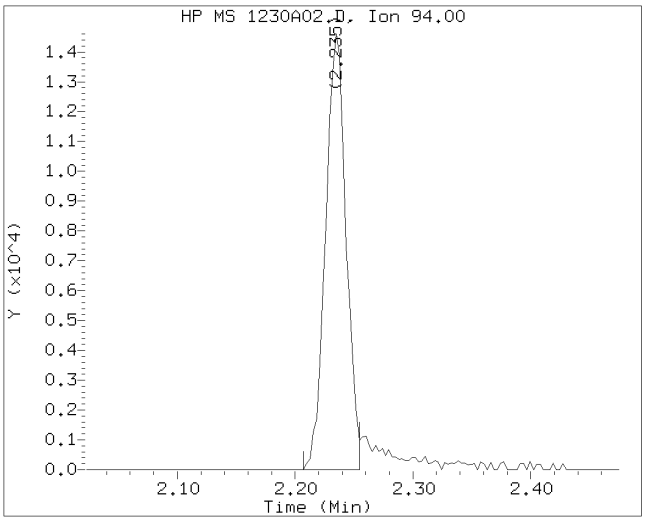
Alpha Analytical Labs

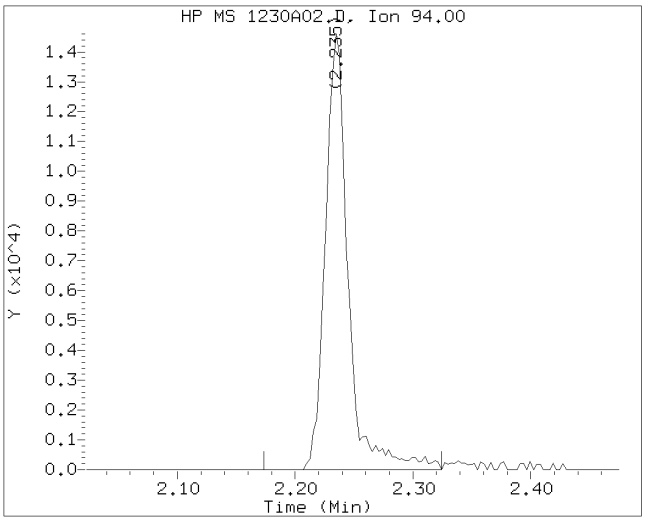
Manual Integration

Sample Info : wg854069-7, ccal
wg854069,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1230A02.D
Injection Date : 30-DEC-2015 07:52
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 4: bromomethane

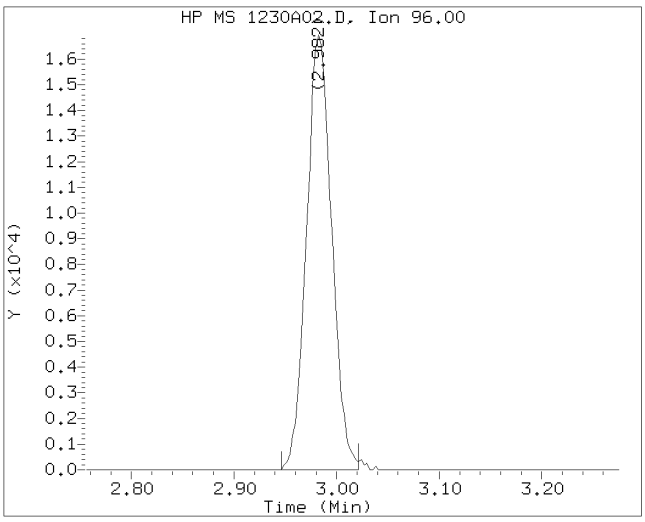


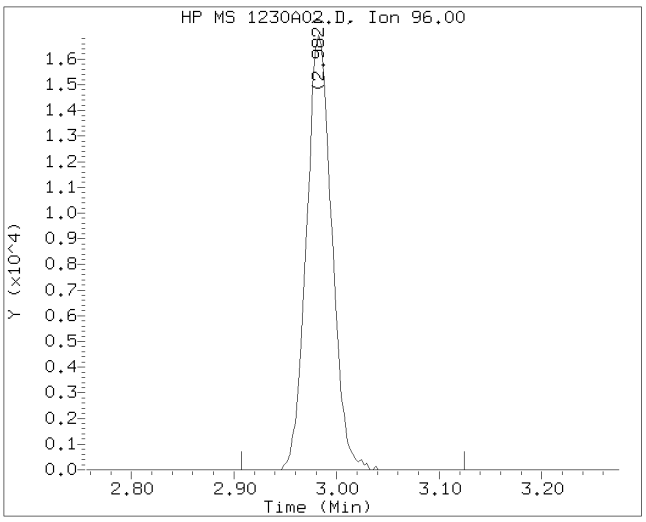


Original Peak Response = 17784 Manual Peak Response = 19781 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 9: 1,1,-dichloroethene





Original Peak Response = 29016 Manual Peak Response = 29186 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

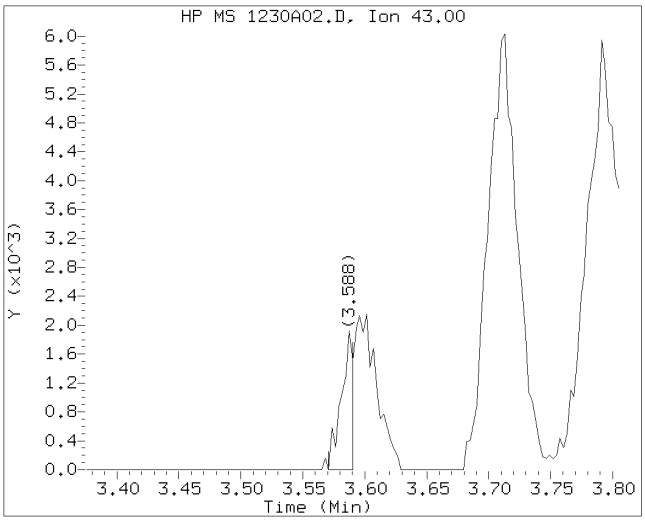
Alpha Analytical Labs

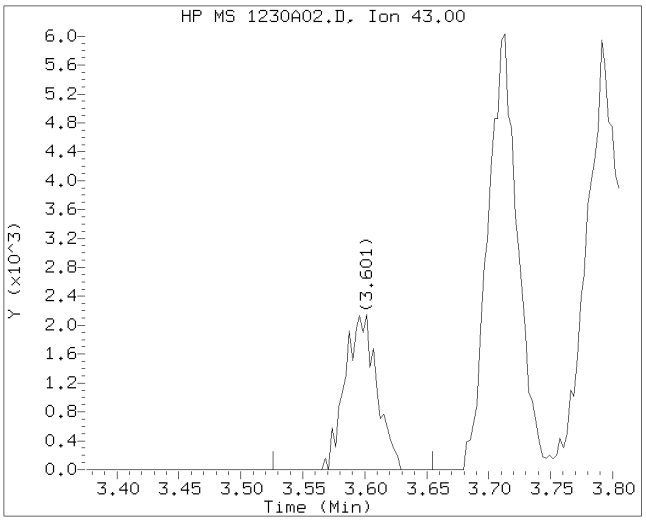
Manual Integration

Sample Info : wg854-1,31,10
wg854,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1230A02.D
Injection Date : 30-DEC-2015 07:52
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 16: acetone

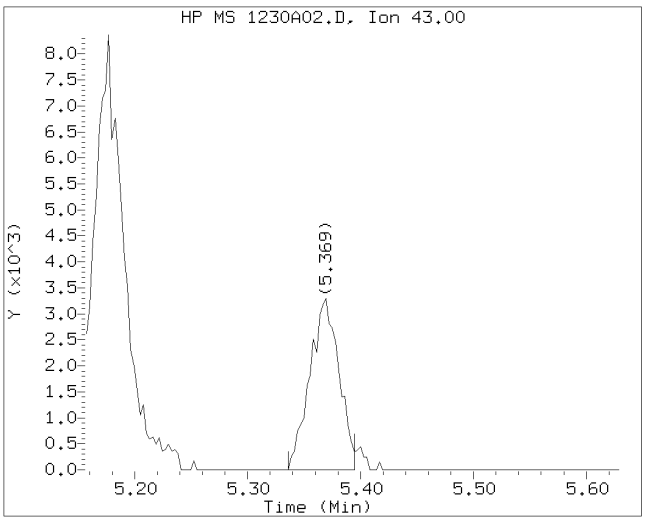


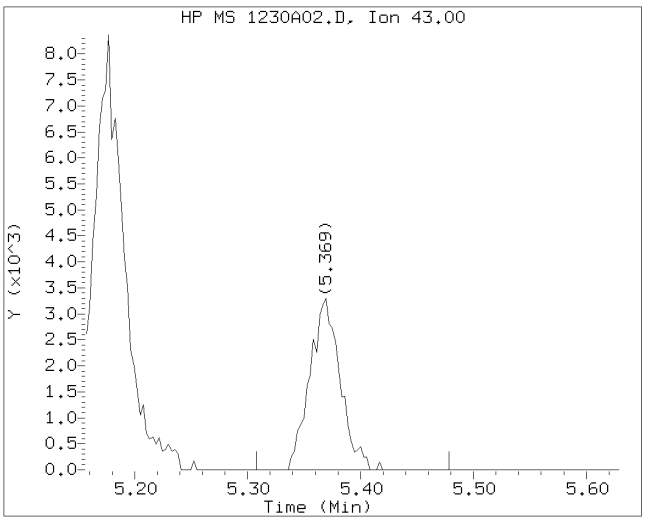


Original Peak Response = 1269 Manual Peak Response = 3848 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 38: 2-butanone





Original Peak Response = 5922 Manual Peak Response = 6170 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

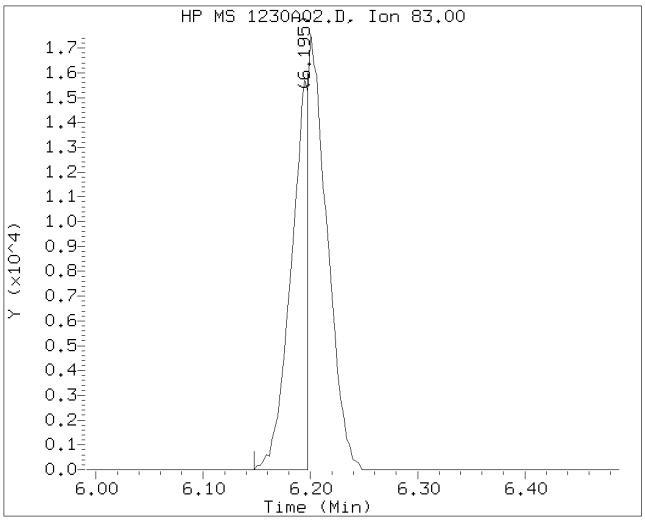
Alpha Analytical Labs

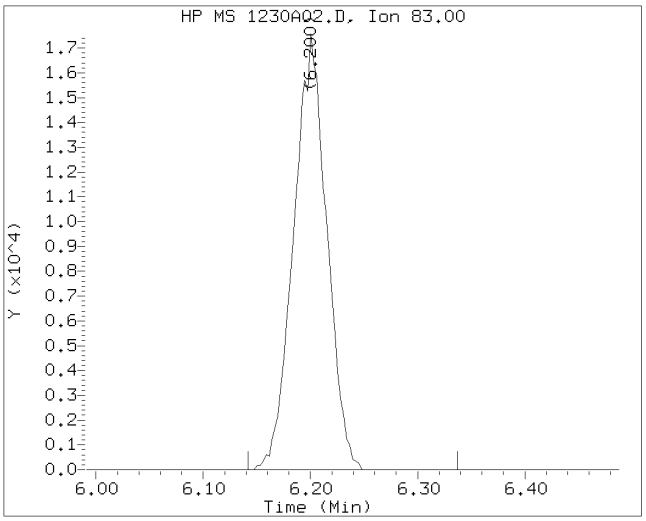
Manual Integration

Sample Info : wg854-1,31,10
wg854,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1230A02.D
Injection Date : 30-DEC-2015 07:52
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 47: methyl cyclohexane

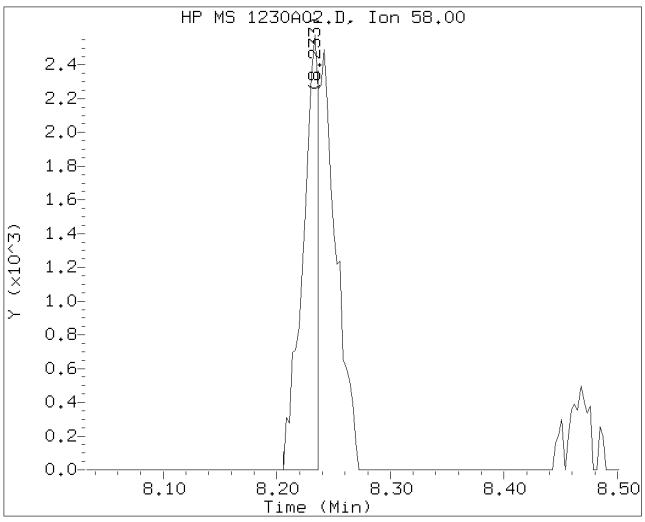


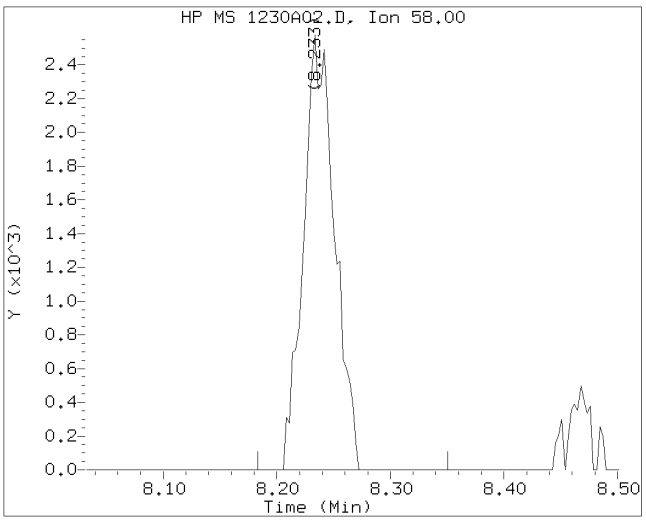


Original Peak Response = 17967 Manual Peak Response = 37795 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 60: 4-methyl-2-pentanone





Original Peak Response = 2450 Manual Peak Response = 4932 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

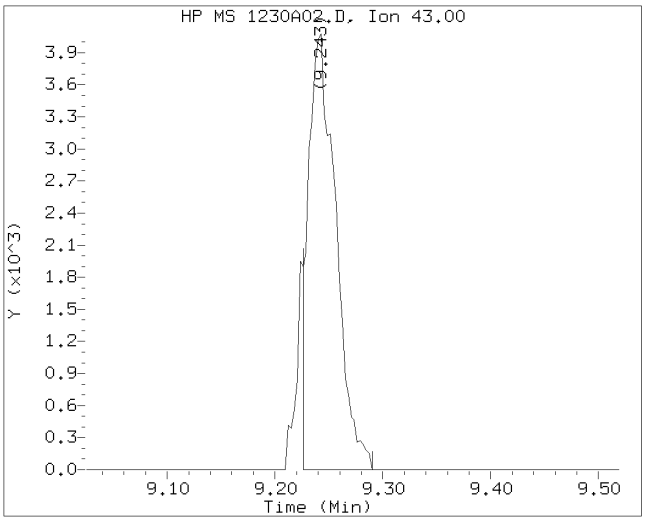
Alpha Analytical Labs

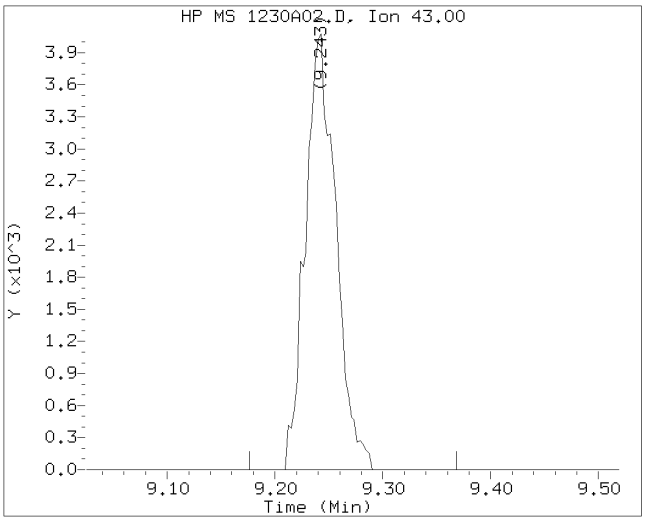
Manual Integration

Sample Info : wg854-1,31,10
wg854,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1230A02.D
Injection Date : 30-DEC-2015 07:52
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 71: 2-hexanone

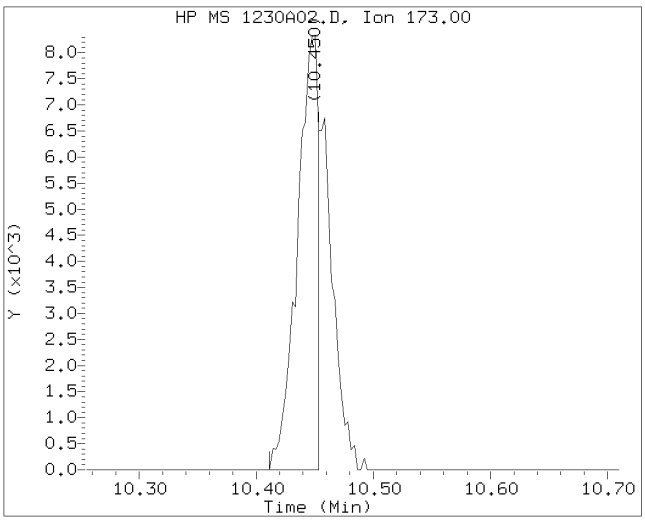


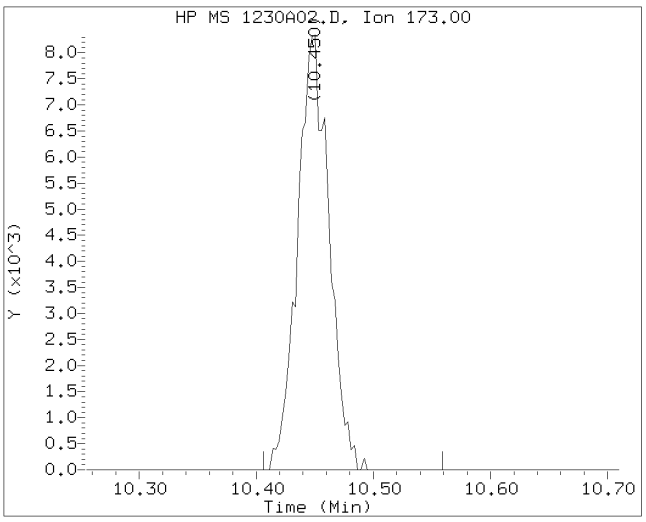


Original Peak Response = 7325 Manual Peak Response = 8019 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 79: bromoform





Original Peak Response = 10378 Manual Peak Response = 15687 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

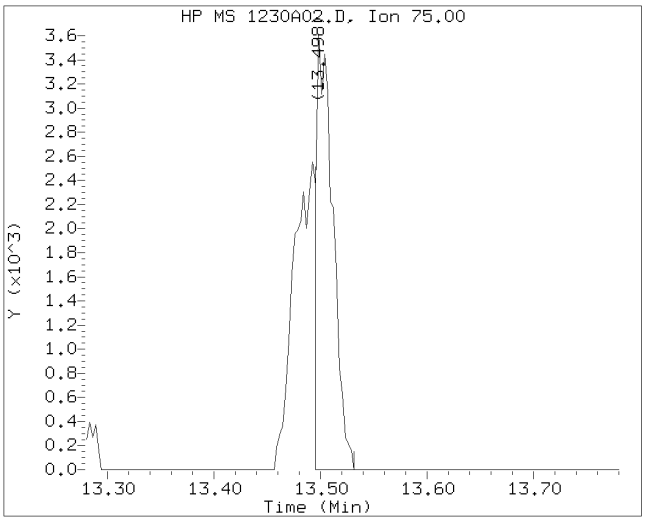
Alpha Analytical Labs

Manual Integration

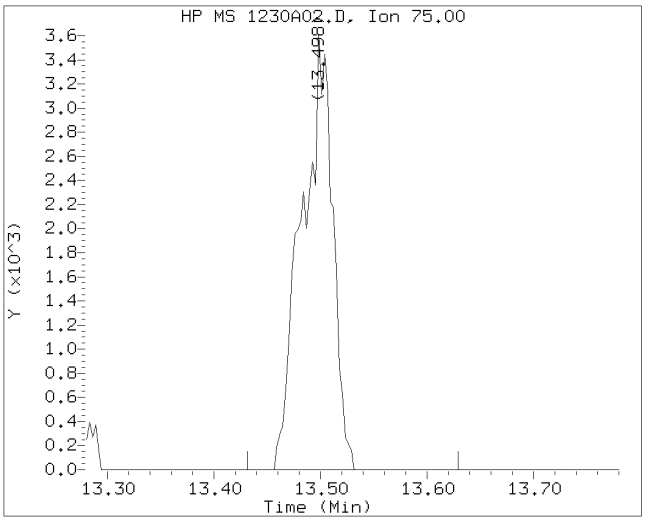
Sample Info : wg854-1,31,10
wg854,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1230A02.D
Injection Date : 30-DEC-2015 07:52
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 104: 1,2-dibromo-3-chloropropane



Original Peak Response = 3987



Manual Peak Response = 7233 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Sample Raw Data

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A18.D
Lab Smp Id:
Inj Date : 30-DEC-2015 15:22
Operator : PK Inst ID: Voa108.i
Smp Info : l1533592-05,31,10,,a
Misc Info : wg854069,ical11667
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Meth Date : 31-Dec-2015 07:23 Voa108.i Quant Type: ISTD
Cal Date : 07-NOV-2015 22:27 Cal File: 1107A10.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	Compound Not Detected.						
	2 chloromethane	50	Compound Not Detected.						
	3 vinyl chloride	62	Compound Not Detected.						
	4 bromomethane	94	Compound Not Detected.						
	5 chloroethane	64	Compound Not Detected.						
	6 trichlorofluoromethane	101	Compound Not Detected.						
	9 1,1,-dichloroethene	96	Compound Not Detected.						
	11 freon-113	101	Compound Not Detected.						
	10 carbon disulfide	76	Compound Not Detected.						
	15 methylene chloride	84	Compound Not Detected.						
	16 acetone	43	Compound Not Detected.						
	17 trans-1,2-dichloroethene	96	Compound Not Detected.						
	18 Methyl Acetate	43	Compound Not Detected.						
	19 methyl tert butyl ether	73	Compound Not Detected.						
	22 1,1-dichloroethane	63	Compound Not Detected.						
	26 vinyl acetate	43	Compound Not Detected.						
	27 cis-1,2-dichloroethene	96	Compound Not Detected.						
	29 bromochloromethane	128	Compound Not Detected.						
	30 Cyclohexane	56	Compound Not Detected.						
	31 chloroform	83	Compound Not Detected.						
	33 carbontetrachloride	117	Compound Not Detected.						
$	36 dibromofluoromethane	113	5.243	5.241	(0.866)	26683	104.581	10.458(M)	M1
	37 1,1,1-trichloroethane	97	Compound Not Detected.						
	38 2-butanone	43	Compound Not Detected.						
	40 benzene	78	Compound Not Detected.						
$	42 1,2-dichloroethane-d4	65	5.773	5.768	(0.954)	25979	93.9023	9.390	
	43 1,2-dichloroethane	62	Compound Not Detected.						
*	46 flourobenzene	96	6.052	6.049	(1.000)	93314	100.000		
	47 methyl cyclohexane	83	Compound Not Detected.						
	48 trichloroethene	95	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	52 1,2-dichloropropane	63	Compound Not Detected.						
	53 bromodichloromethane	83	Compound Not Detected.						
	57 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	58 toluene-d8	98	7.736	7.734	(0.808)	89644	101.980	10.198	
	59 toluene	92	Compound Not Detected.						
	60 4-methyl-2-pentanone	58	Compound Not Detected.						
	61 tetrachloroethene	166	Compound Not Detected.						
	62 trans-1,3-dichloropropene	75	Compound Not Detected.						
	66 1,1,2-trichloroethane	83	Compound Not Detected.						
	67 chlorodibromomethane	129	Compound Not Detected.						
	70 1,2-dibromoethane	107	Compound Not Detected.						
	71 2-hexanone	43	Compound Not Detected.						
*	72 chlorobenzene-d5	117	9.580	9.574	(1.000)	72057	100.000		
	73 chlorobenzene	112	Compound Not Detected.						
	74 ethyl benzene	91	Compound Not Detected.						
	76 p/m xylene	106	Compound Not Detected.						
	77 o xylene	106	Compound Not Detected.						
	78 styrene	104	Compound Not Detected.						
	79 bromoform	173	Compound Not Detected.						
	80 isopropylbenzene	105	Compound Not Detected.						
$	81 4-bromofluorobenzene	95	11.066	11.061	(0.902)	26737	99.9651	9.996	
	85 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
	97 1,3-dichlorobenzene	146	Compound Not Detected.						
*	98 1,4-dichlorobenzene-d4	152	12.268	12.265	(1.000)	33078	100.000		(Q)
	99 1,4-dichlorobenzene	146	Compound Not Detected.						
	102 1,2-dichlorobenzene	146	Compound Not Detected.						
	104 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	107 1,2,4-trichlorobenzene	180	Compound Not Detected.						
	109 1,2,3-trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Lab File ID: 1230A18.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PK
Method File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Misc Info: wg854069,ical11667

Calibration Date: 30-DEC-2015
Calibration Time: 07:52
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	119032	59516	238064	93314	-21.61
72 chlorobenzene-d5	94214	47107	188428	72057	-23.52
98 1,4-dichlorobenze	46084	23042	92168	33078	-28.22

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	6.05	5.55	6.55	6.05	0.04
72 chlorobenzene-d5	9.57	9.07	10.07	9.58	0.06
98 1,4-dichlorobenze	12.27	11.77	12.77	12.27	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

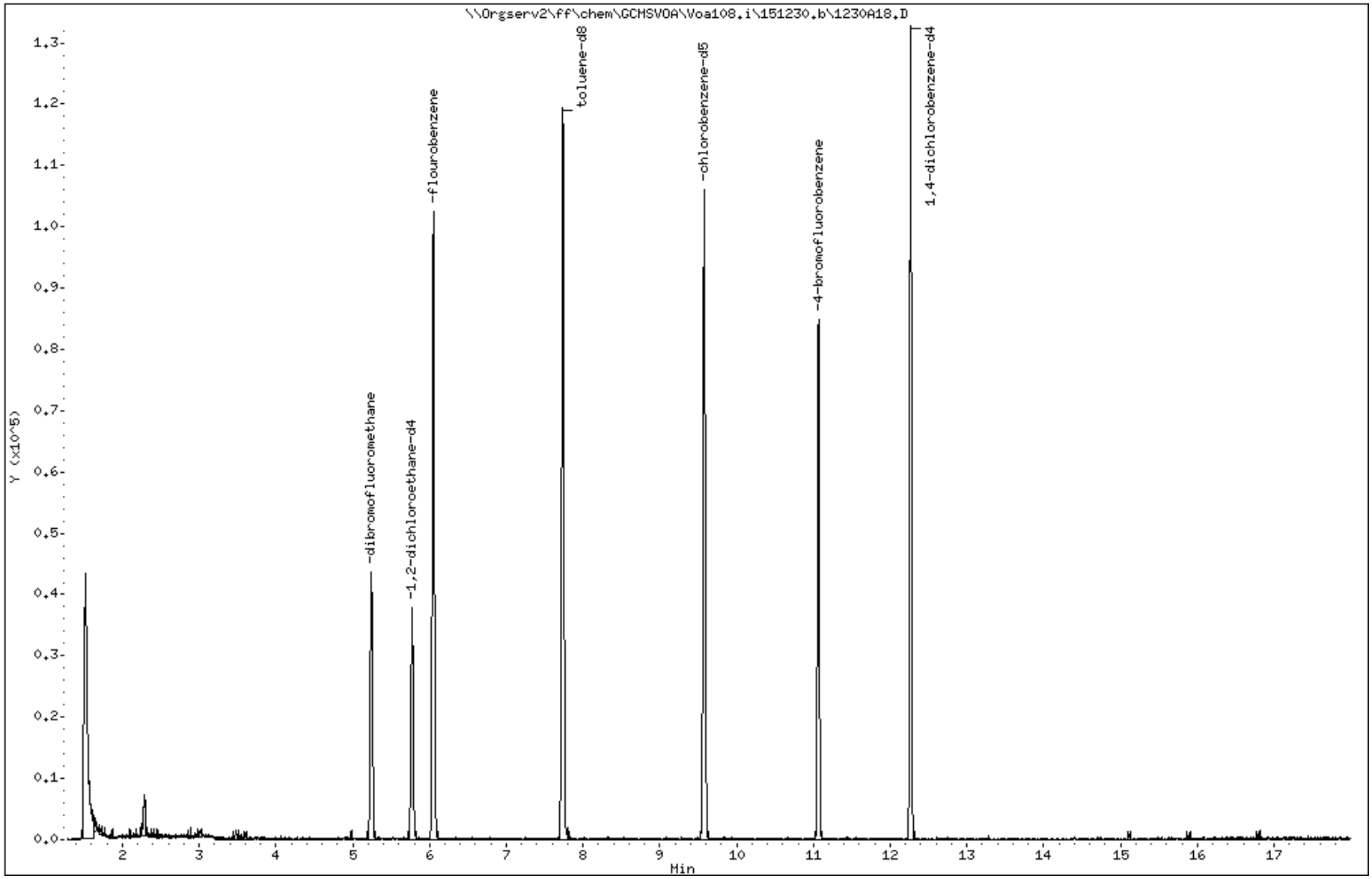
RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PK
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: newtcreek.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Misc Info: wg854069,ical11667

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 36 dibromofluorometha	100.000	104.581	104.58	70-130
$ 42 1,2-dichloroethane	100.000	93.902	93.90	70-130
$ 58 toluene-d8	100.000	101.980	101.98	70-130
$ 81 4-bromofluorobenze	100.000	99.965	99.97	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A18.D
Date : 30-DEC-2015 15:22
Client ID:
Sample Info: 11533592-05,31,10,,a
Purge Volume: 10.0
Column phase:

Instrument: Voa108.i
Operator: PK
Column diameter: 0.18



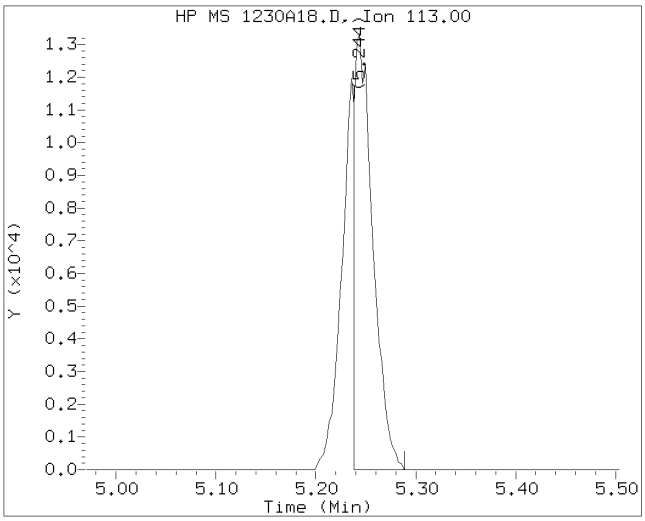
Alpha Analytical Labs

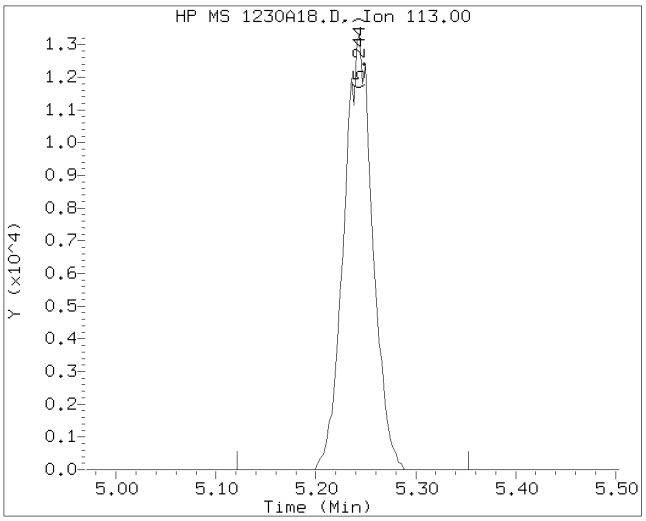
Manual Integration

Sample Info : l1533592-05,31,10,,a
wg854069,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1230A18.D
Injection Date : 30-DEC-2015 15:22
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

Compound # 36: dibromofluoromethane





Original Peak Response = 17504 Manual Peak Response = 26683 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A21.D
Lab Smp Id:
Inj Date : 30-DEC-2015 16:47
Operator : PK Inst ID: Voa108.i
Smp Info : l1533592-01,31,10,,a
Misc Info : wg854069,ical11667
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Meth Date : 31-Dec-2015 07:23 Voa108.i Quant Type: ISTD
Cal Date : 07-NOV-2015 22:27 Cal File: 1107A10.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	Compound Not Detected.						
	2 chloromethane	50	Compound Not Detected.						
	3 vinyl chloride	62	Compound Not Detected.						
	4 bromomethane	94	Compound Not Detected.						
	5 chloroethane	64	Compound Not Detected.						
	6 trichlorofluoromethane	101	Compound Not Detected.						
	9 1,1,-dichloroethene	96	Compound Not Detected.						
	11 freon-113	101	Compound Not Detected.						
	10 carbon disulfide	76	Compound Not Detected.						
	15 methylene chloride	84	Compound Not Detected.						
	16 acetone	43	Compound Not Detected.						
	17 trans-1,2-dichloroethene	96	Compound Not Detected.						
	18 Methyl Acetate	43	Compound Not Detected.						
	19 methyl tert butyl ether	73	Compound Not Detected.						
	22 1,1-dichloroethane	63	Compound Not Detected.						
	26 vinyl acetate	43	Compound Not Detected.						
	27 cis-1,2-dichloroethene	96	Compound Not Detected.						
	29 bromochloromethane	128	Compound Not Detected.						
	30 Cyclohexane	56	Compound Not Detected.						
	31 chloroform	83	Compound Not Detected.						
	33 carbontetrachloride	117	Compound Not Detected.						
$	36 dibromofluoromethane	113	5.241	5.241	(0.866)	26379	103.971	10.397	
	37 1,1,1-trichloroethane	97	Compound Not Detected.						
	38 2-butanone	43	Compound Not Detected.						
	40 benzene	78	Compound Not Detected.						
$	42 1,2-dichloroethane-d4	65	5.768	5.768	(0.953)	25917	94.2052	9.420	
	43 1,2-dichloroethane	62	Compound Not Detected.						
*	46 flourobenzene	96	6.049	6.049	(1.000)	92792	100.000		
	47 methyl cyclohexane	83	Compound Not Detected.						
	48 trichloroethene	95	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)		REVIEW CODE
	52 1,2-dichloropropane	63	Compound Not Detected.							
	53 bromodichloromethane	83	Compound Not Detected.							
	57 cis-1,3-dichloropropene	75	Compound Not Detected.							
$	58 toluene-d8	98	7.736	7.734	(0.808)	89811	103.438	10.343		
	59 toluene	92	Compound Not Detected.							
	60 4-methyl-2-pentanone	58	Compound Not Detected.							
	61 tetrachloroethene	166	Compound Not Detected.							
	62 trans-1,3-dichloropropene	75	Compound Not Detected.							
	66 1,1,2-trichloroethane	83	Compound Not Detected.							
	67 chlorodibromomethane	129	Compound Not Detected.							
	70 1,2-dibromoethane	107	Compound Not Detected.							
	71 2-hexanone	43	Compound Not Detected.							
*	72 chlorobenzene-d5	117	9.577	9.574	(1.000)	71174	100.000			
	73 chlorobenzene	112	Compound Not Detected.							
	74 ethyl benzene	91	Compound Not Detected.							
	76 p/m xylene	106	Compound Not Detected.							
	77 o xylene	106	Compound Not Detected.							
	78 styrene	104	Compound Not Detected.							
	79 bromoform	173	Compound Not Detected.							
	80 isopropylbenzene	105	Compound Not Detected.							
$	81 4-bromofluorobenzene	95	11.066	11.061	(0.902)	26675	101.192	10.119		
	85 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.							
	97 1,3-dichlorobenzene	146	Compound Not Detected.							
*	98 1,4-dichlorobenzene-d4	152	12.268	12.265	(1.000)	32601	100.000		(QM)	M1
	99 1,4-dichlorobenzene	146	Compound Not Detected.							
	102 1,2-dichlorobenzene	146	Compound Not Detected.							
	104 1,2-dibromo-3-chloropropane	75	Compound Not Detected.							
	107 1,2,4-trichlorobenzene	180	Compound Not Detected.							
	109 1,2,3-trichlorobenzene	180	Compound Not Detected.							

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Lab File ID: 1230A21.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PK
Method File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Misc Info: wg854069,ical11667

Calibration Date: 30-DEC-2015
Calibration Time: 07:52
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	119032	59516	238064	92792	-22.04
72 chlorobenzene-d5	94214	47107	188428	71174	-24.45
98 1,4-dichlorobenze	46084	23042	92168	32601	-29.26

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	6.05	5.55	6.55	6.05	-0.00
72 chlorobenzene-d5	9.57	9.07	10.07	9.58	0.03
98 1,4-dichlorobenze	12.27	11.77	12.77	12.27	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

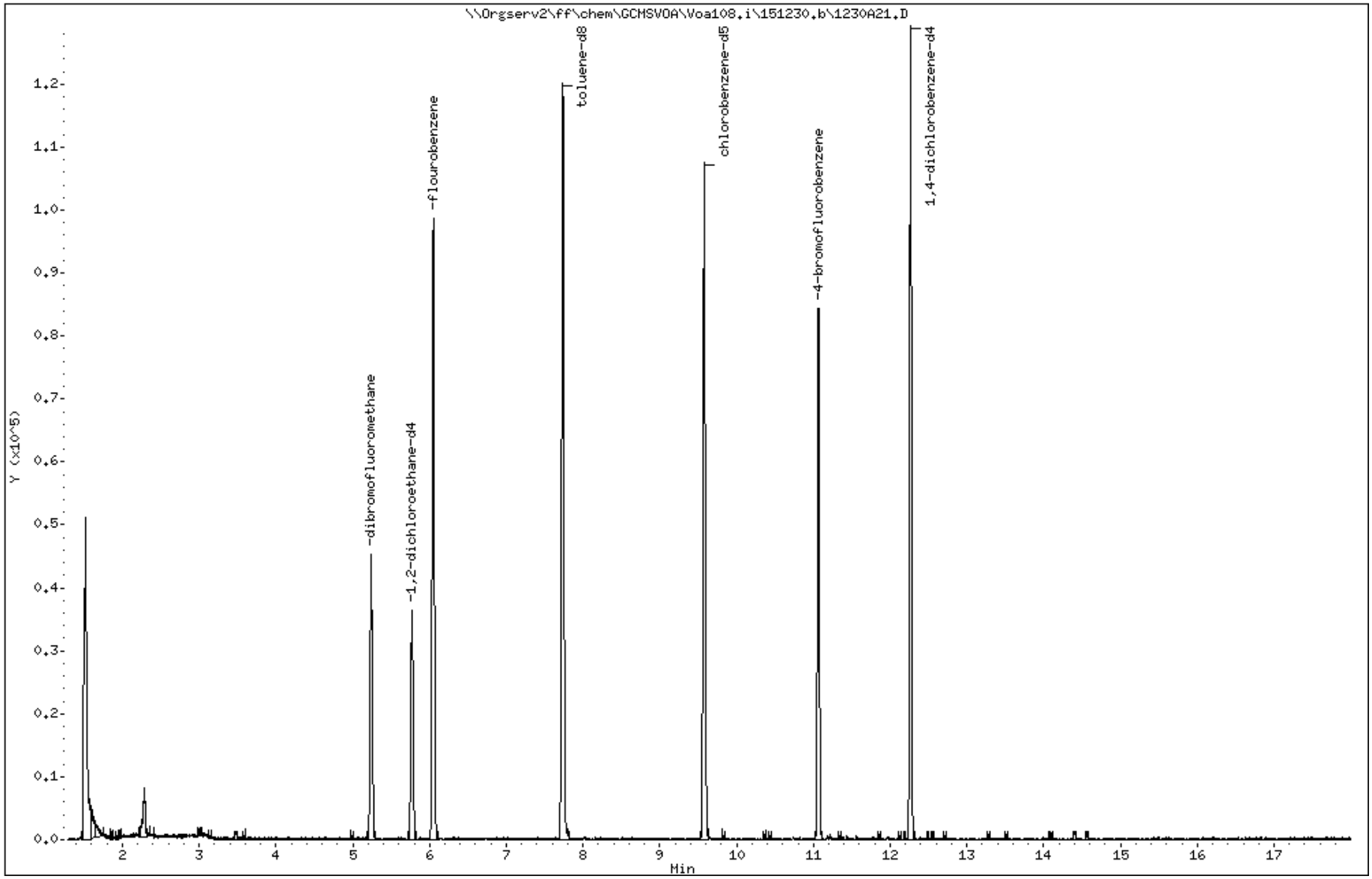
RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PK
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: newtcreek.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Misc Info: wg854069,ical11667

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 36 dibromofluorometha	100.000	103.971	103.97	70-130
$ 42 1,2-dichloroethane	100.000	94.205	94.21	70-130
$ 58 toluene-d8	100.000	103.437	103.44	70-130
$ 81 4-bromofluorobenze	100.000	101.192	101.19	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A21.D
Date : 30-DEC-2015 16:47
Client ID:
Sample Info: 11533592-01,31,10,,a
Purge Volume: 10.0
Column phase:

Instrument: Voa108.i
Operator: PK
Column diameter: 0.18



Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A22.D
Lab Smp Id:
Inj Date : 30-DEC-2015 17:15
Operator : PK Inst ID: Voa108.i
Smp Info : l1533592-02,31,10,,a
Misc Info : wg854069,ical11667
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Meth Date : 30-Dec-2015 19:52 mmay Quant Type: ISTD
Cal Date : 07-NOV-2015 22:27 Cal File: 1107A10.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: A1VOA1

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	Compound Not Detected.						
	2 chloromethane	50	Compound Not Detected.						
	3 vinyl chloride	62	Compound Not Detected.						
	4 bromomethane	94	Compound Not Detected.						
	5 chloroethane	64	Compound Not Detected.						
	6 trichlorofluoromethane	101	Compound Not Detected.						
	9 1,1,-dichloroethene	96	Compound Not Detected.						
	11 freon-113	101	Compound Not Detected.						
	10 carbon disulfide	76	Compound Not Detected.						
	15 methylene chloride	84	Compound Not Detected.						
	16 acetone	43	Compound Not Detected.						
	17 trans-1,2-dichloroethene	96	Compound Not Detected.						
	18 Methyl Acetate	43	Compound Not Detected.						
	19 methyl tert butyl ether	73	Compound Not Detected.						
	22 1,1-dichloroethane	63	Compound Not Detected.						
	26 vinyl acetate	43	Compound Not Detected.						
	27 cis-1,2-dichloroethene	96	Compound Not Detected.						
	29 bromochloromethane	128	Compound Not Detected.						
	30 Cyclohexane	56	Compound Not Detected.						
	31 chloroform	83	Compound Not Detected.						
	33 carbontetrachloride	117	Compound Not Detected.						
$	36 dibromofluoromethane	113	5.238	5.241	(0.866)	25647	104.106	10.410	
	37 1,1,1-trichloroethane	97	Compound Not Detected.						
	38 2-butanone	43	Compound Not Detected.						
	40 benzene	78	Compound Not Detected.						
$	42 1,2-dichloroethane-d4	65	5.768	5.768	(0.953)	25156	94.1711	9.417	
	43 1,2-dichloroethane	62	Compound Not Detected.						
*	46 flourobenzene	96	6.049	6.049	(1.000)	90100	100.000		
	47 methyl cyclohexane	83	Compound Not Detected.						
	48 trichloroethene	95	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	52 1,2-dichloropropane	63	Compound Not Detected.						
	53 bromodichloromethane	83	Compound Not Detected.						
	57 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	58 toluene-d8	98	7.734	7.734	(0.808)	87444	102.914	10.291	
	59 toluene	92	Compound Not Detected.						
	60 4-methyl-2-pentanone	58	Compound Not Detected.						
	61 tetrachloroethene	166	Compound Not Detected.						
	62 trans-1,3-dichloropropene	75	Compound Not Detected.						
	66 1,1,2-trichloroethane	83	Compound Not Detected.						
	67 chlorodibromomethane	129	Compound Not Detected.						
	70 1,2-dibromoethane	107	Compound Not Detected.						
	71 2-hexanone	43	Compound Not Detected.						
*	72 chlorobenzene-d5	117	9.574	9.574	(1.000)	69651	100.000		
	73 chlorobenzene	112	Compound Not Detected.						
	74 ethyl benzene	91	Compound Not Detected.						
	76 p/m xylene	106	Compound Not Detected.						
	77 o xylene	106	Compound Not Detected.						
	78 styrene	104	Compound Not Detected.						
	79 bromoform	173	Compound Not Detected.						
	80 isopropylbenzene	105	Compound Not Detected.						
$	81 4-bromofluorobenzene	95	11.066	11.061	(0.902)	25491	101.059	10.105	
	85 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
	97 1,3-dichlorobenzene	146	Compound Not Detected.						
*	98 1,4-dichlorobenzene-d4	152	12.268	12.265	(1.000)	31195	100.000		
	99 1,4-dichlorobenzene	146	Compound Not Detected.						
	102 1,2-dichlorobenzene	146	Compound Not Detected.						
	104 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	107 1,2,4-trichlorobenzene	180	Compound Not Detected.						
	109 1,2,3-trichlorobenzene	180	Compound Not Detected.						

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Lab File ID: 1230A22.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PK
Method File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Misc Info: wg854069,ical11667

Calibration Date: 30-DEC-2015
Calibration Time: 07:52
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	119032	59516	238064	90100	-24.31
72 chlorobenzene-d5	94214	47107	188428	69651	-26.07
98 1,4-dichlorobenze	46084	23042	92168	31195	-32.31

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	6.05	5.55	6.55	6.05	0.00
72 chlorobenzene-d5	9.57	9.07	10.07	9.57	0.00
98 1,4-dichlorobenze	12.27	11.77	12.77	12.27	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

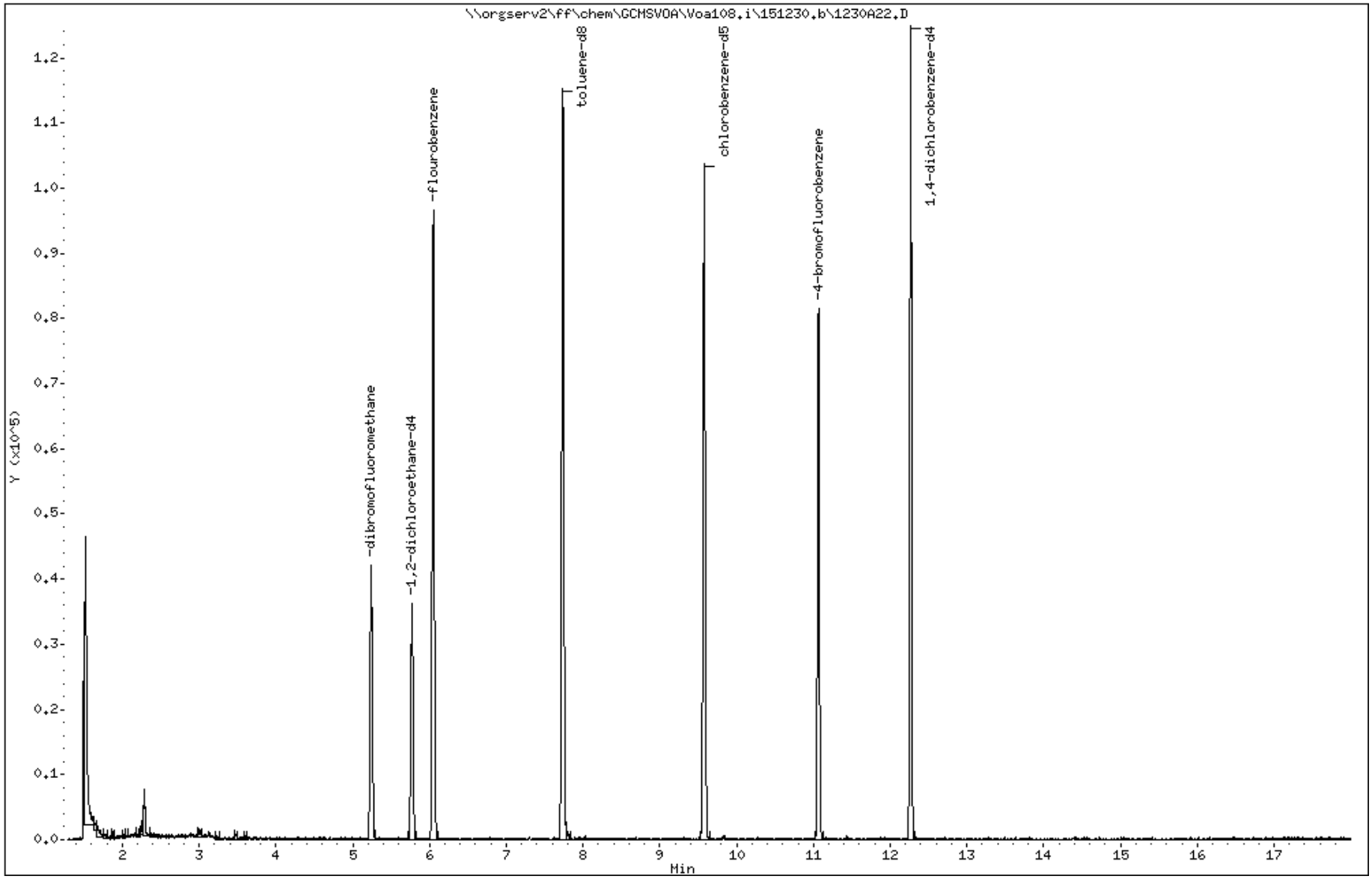
RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PK
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: newtcreek.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Misc Info: wg854069,ical11667

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 36 dibromofluorometha	100.000	104.106	104.11	70-130
$ 42 1,2-dichloroethane	100.000	94.171	94.17	70-130
$ 58 toluene-d8	100.000	102.913	102.91	70-130
$ 81 4-bromofluorobenze	100.000	101.059	101.06	70-130

Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A22.D
Date : 30-DEC-2015 17:15
Client ID:
Sample Info: 11533592-02,31,10,,a
Purge Volume: 10.0
Column phase:

Instrument: Voa108.i
Operator: PK
Column diameter: 0.18



Manual Integration

Sample Info : l1533592-02,31,10,,a
wg854069,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1230A22.D
Injection Date : 30-DEC-2015 17:15
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

There are no manual integrations in this file.

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A23.D
Lab Smp Id:
Inj Date : 30-DEC-2015 17:43
Operator : PK Inst ID: Voa108.i
Smp Info : l1533592-03,31,10,,a
Misc Info : wg854069,ical11667
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Meth Date : 30-Dec-2015 19:52 mmay Quant Type: ISTD
Cal Date : 07-NOV-2015 22:27 Cal File: 1107A10.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: A1VOA1

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	Compound Not Detected.						
	2 chloromethane	50	Compound Not Detected.						
	3 vinyl chloride	62	Compound Not Detected.						
	4 bromomethane	94	Compound Not Detected.						
	5 chloroethane	64	Compound Not Detected.						
	6 trichlorofluoromethane	101	Compound Not Detected.						
	9 1,1,-dichloroethene	96	Compound Not Detected.						
	11 freon-113	101	Compound Not Detected.						
	10 carbon disulfide	76	Compound Not Detected.						
	15 methylene chloride	84	Compound Not Detected.						
	16 acetone	43	Compound Not Detected.						
	17 trans-1,2-dichloroethene	96	Compound Not Detected.						
	18 Methyl Acetate	43	Compound Not Detected.						
	19 methyl tert butyl ether	73	Compound Not Detected.						
	22 1,1-dichloroethane	63	Compound Not Detected.						
	26 vinyl acetate	43	Compound Not Detected.						
	27 cis-1,2-dichloroethene	96	Compound Not Detected.						
	29 bromochloromethane	128	Compound Not Detected.						
	30 Cyclohexane	56	Compound Not Detected.						
	31 chloroform	83	Compound Not Detected.						
	33 carbontetrachloride	117	Compound Not Detected.						
$	36 dibromofluoromethane	113	5.243	5.241	(0.867)	24345	105.520	10.552	
	37 1,1,1-trichloroethane	97	Compound Not Detected.						
	38 2-butanone	43	Compound Not Detected.						
	40 benzene	78	Compound Not Detected.						
$	42 1,2-dichloroethane-d4	65	5.768	5.768	(0.954)	23764	94.9906	9.499	
	43 1,2-dichloroethane	62	Compound Not Detected.						
*	46 flourobenzene	96	6.046	6.049	(1.000)	84380	100.000		
	47 methyl cyclohexane	83	Compound Not Detected.						
	48 trichloroethene	95	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	52 1,2-dichloropropane	63	Compound Not Detected.						
	53 bromodichloromethane	83	Compound Not Detected.						
	57 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	58 toluene-d8	98	7.736	7.734	(0.808)	81971	104.106	10.410	
	59 toluene	92	Compound Not Detected.						
	60 4-methyl-2-pentanone	58	Compound Not Detected.						
	61 tetrachloroethene	166	Compound Not Detected.						
	62 trans-1,3-dichloropropene	75	Compound Not Detected.						
	66 1,1,2-trichloroethane	83	Compound Not Detected.						
	67 chlorodibromomethane	129	Compound Not Detected.						
	70 1,2-dibromoethane	107	Compound Not Detected.						
	71 2-hexanone	43	Compound Not Detected.						
*	72 chlorobenzene-d5	117	9.577	9.574	(1.000)	64544	100.000		
	73 chlorobenzene	112	Compound Not Detected.						
	74 ethyl benzene	91	Compound Not Detected.						
	76 p/m xylene	106	Compound Not Detected.						
	77 o xylene	106	Compound Not Detected.						
	78 styrene	104	Compound Not Detected.						
	79 bromoform	173	Compound Not Detected.						
	80 isopropylbenzene	105	Compound Not Detected.						
$	81 4-bromofluorobenzene	95	11.066	11.061	(0.902)	23759	101.134	10.113	
	85 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
	97 1,3-dichlorobenzene	146	Compound Not Detected.						
*	98 1,4-dichlorobenzene-d4	152	12.268	12.265	(1.000)	29054	100.000		
	99 1,4-dichlorobenzene	146	Compound Not Detected.						
	102 1,2-dichlorobenzene	146	Compound Not Detected.						
	104 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	107 1,2,4-trichlorobenzene	180	Compound Not Detected.						
	109 1,2,3-trichlorobenzene	180	Compound Not Detected.						

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Lab File ID: 1230A23.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PK
Method File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Misc Info: wg854069,ical11667

Calibration Date: 30-DEC-2015
Calibration Time: 07:52
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	119032	59516	238064	84380	-29.11
72 chlorobenzene-d5	94214	47107	188428	64544	-31.49
98 1,4-dichlorobenze	46084	23042	92168	29054	-36.95

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	6.05	5.55	6.55	6.05	-0.05
72 chlorobenzene-d5	9.57	9.07	10.07	9.58	0.03
98 1,4-dichlorobenze	12.27	11.77	12.77	12.27	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

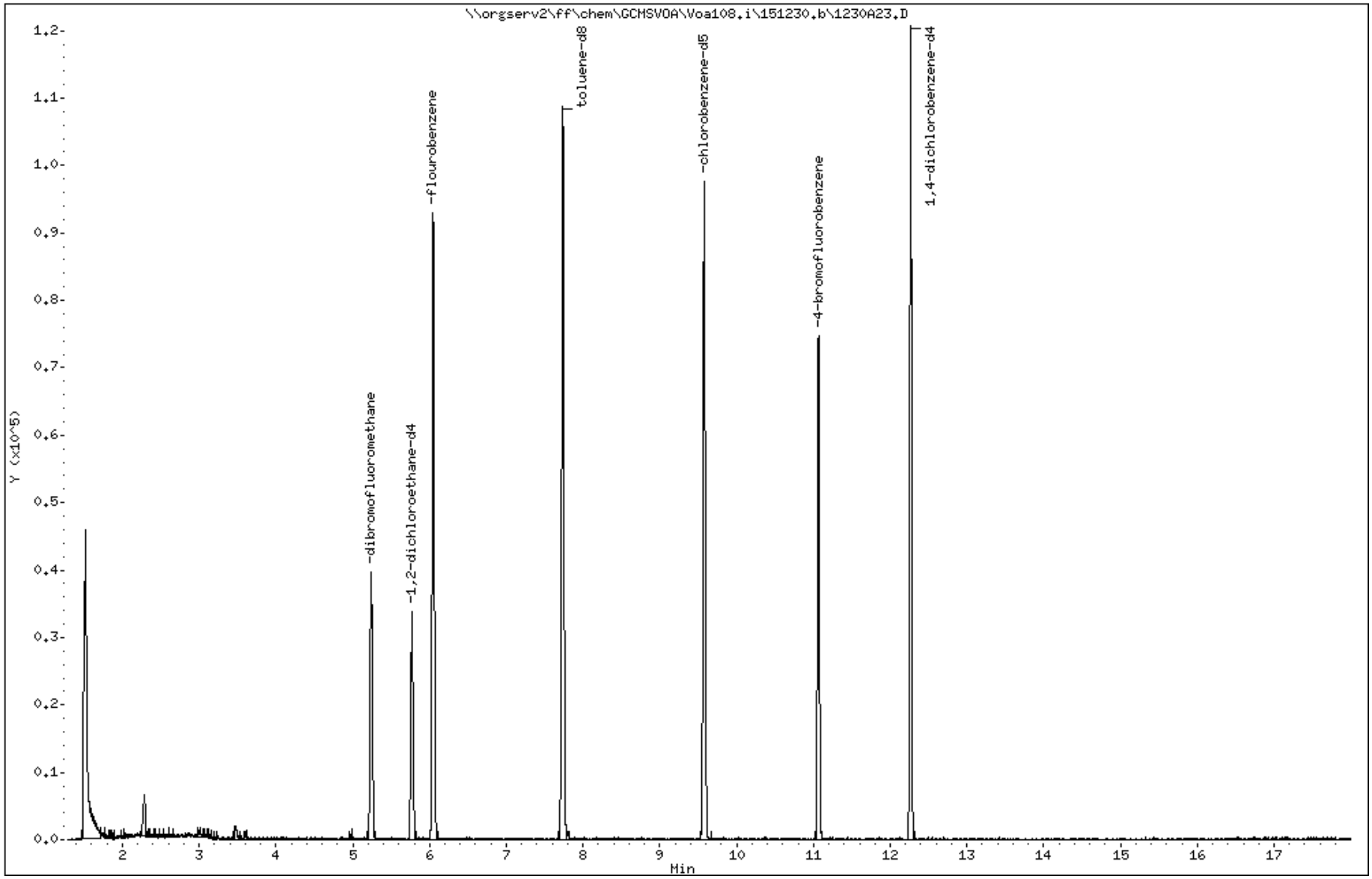
RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PK
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: newtcreek.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Misc Info: wg854069,ical11667

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 36 dibromofluorometha	100.000	105.520	105.52	70-130
$ 42 1,2-dichloroethane	100.000	94.990	94.99	70-130
$ 58 toluene-d8	100.000	104.106	104.11	70-130
$ 81 4-bromofluorobenze	100.000	101.133	101.13	70-130

Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A23.D
Date : 30-DEC-2015 17:43
Client ID:
Sample Info: 11533592-03,31,10,,a
Purge Volume: 10.0
Column phase:

Instrument: Voa108.i
Operator: PK
Column diameter: 0.18



Manual Integration

Sample Info : l1533592-03,31,10,,a
wg854069,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1230A23.D
Injection Date : 30-DEC-2015 17:43
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

There are no manual integrations in this file.

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A24.D
Lab Smp Id:
Inj Date : 30-DEC-2015 18:11
Operator : PK Inst ID: Voa108.i
Smp Info : l1533592-04,31,10,,a
Misc Info : wg854069,ical11667
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Meth Date : 30-Dec-2015 19:52 mmay Quant Type: ISTD
Cal Date : 07-NOV-2015 22:27 Cal File: 1107A10.D
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: A1VOA1

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	Compound Not Detected.						
	2 chloromethane	50	Compound Not Detected.						
	3 vinyl chloride	62	Compound Not Detected.						
	4 bromomethane	94	Compound Not Detected.						
	5 chloroethane	64	Compound Not Detected.						
	6 trichlorofluoromethane	101	Compound Not Detected.						
	9 1,1,-dichloroethene	96	Compound Not Detected.						
	11 freon-113	101	Compound Not Detected.						
	10 carbon disulfide	76	Compound Not Detected.						
	15 methylene chloride	84	Compound Not Detected.						
	16 acetone	43	Compound Not Detected.						
	17 trans-1,2-dichloroethene	96	Compound Not Detected.						
	18 Methyl Acetate	43	Compound Not Detected.						
	19 methyl tert butyl ether	73	Compound Not Detected.						
	22 1,1-dichloroethane	63	Compound Not Detected.						
	26 vinyl acetate	43	Compound Not Detected.						
	27 cis-1,2-dichloroethene	96	Compound Not Detected.						
	29 bromochloromethane	128	Compound Not Detected.						
	30 Cyclohexane	56	Compound Not Detected.						
	31 chloroform	83	Compound Not Detected.						
	33 carbontetrachloride	117	Compound Not Detected.						
$	36 dibromofluoromethane	113	5.238	5.241	(0.866)	24053	106.066	10.606	
	37 1,1,1-trichloroethane	97	Compound Not Detected.						
	38 2-butanone	43	Compound Not Detected.						
	40 benzene	78	Compound Not Detected.						
$	42 1,2-dichloroethane-d4	65	5.768	5.768	(0.953)	23808	96.8199	9.681	
	43 1,2-dichloroethane	62	Compound Not Detected.						
*	46 flourobenzene	96	6.049	6.049	(1.000)	82939	100.000		
	47 methyl cyclohexane	83	Compound Not Detected.						
	48 trichloroethene	95	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	52 1,2-dichloropropane	63	Compound Not Detected.						
	53 bromodichloromethane	83	Compound Not Detected.						
	57 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	58 toluene-d8	98	7.734	7.734	(0.807)	81277	103.252	10.325	
	59 toluene	92	7.792	7.792	(0.813)	781	1.71334	0.171(aQM)	M1
	60 4-methyl-2-pentanone	58	Compound Not Detected.						
	61 tetrachloroethene	166	Compound Not Detected.						
	62 trans-1,3-dichloropropene	75	Compound Not Detected.						
	66 1,1,2-trichloroethane	83	Compound Not Detected.						
	67 chlorodibromomethane	129	Compound Not Detected.						
	70 1,2-dibromoethane	107	Compound Not Detected.						
	71 2-hexanone	43	Compound Not Detected.						
*	72 chlorobenzene-d5	117	9.580	9.574	(1.000)	64527	100.000		
	73 chlorobenzene	112	Compound Not Detected.						
	74 ethyl benzene	91	Compound Not Detected.						
	76 p/m xylene	106	Compound Not Detected.						
	77 o xylene	106	Compound Not Detected.						
	78 styrene	104	Compound Not Detected.						
	79 bromoform	173	Compound Not Detected.						
	80 isopropylbenzene	105	Compound Not Detected.						
$	81 4-bromofluorobenzene	95	11.066	11.061	(0.902)	23972	100.792	10.079	
	85 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
	97 1,3-dichlorobenzene	146	Compound Not Detected.						
*	98 1,4-dichlorobenzene-d4	152	12.268	12.265	(1.000)	29414	100.000		
	99 1,4-dichlorobenzene	146	Compound Not Detected.						
	102 1,2-dichlorobenzene	146	Compound Not Detected.						
	104 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	107 1,2,4-trichlorobenzene	180	Compound Not Detected.						
	109 1,2,3-trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Lab File ID: 1230A24.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PK
Method File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Misc Info: wg854069,ical11667

Calibration Date: 30-DEC-2015
Calibration Time: 07:52
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	119032	59516	238064	82939	-30.32
72 chlorobenzene-d5	94214	47107	188428	64527	-31.51
98 1,4-dichlorobenze	46084	23042	92168	29414	-36.17

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	6.05	5.55	6.55	6.05	-0.00
72 chlorobenzene-d5	9.57	9.07	10.07	9.58	0.06
98 1,4-dichlorobenze	12.27	11.77	12.77	12.27	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

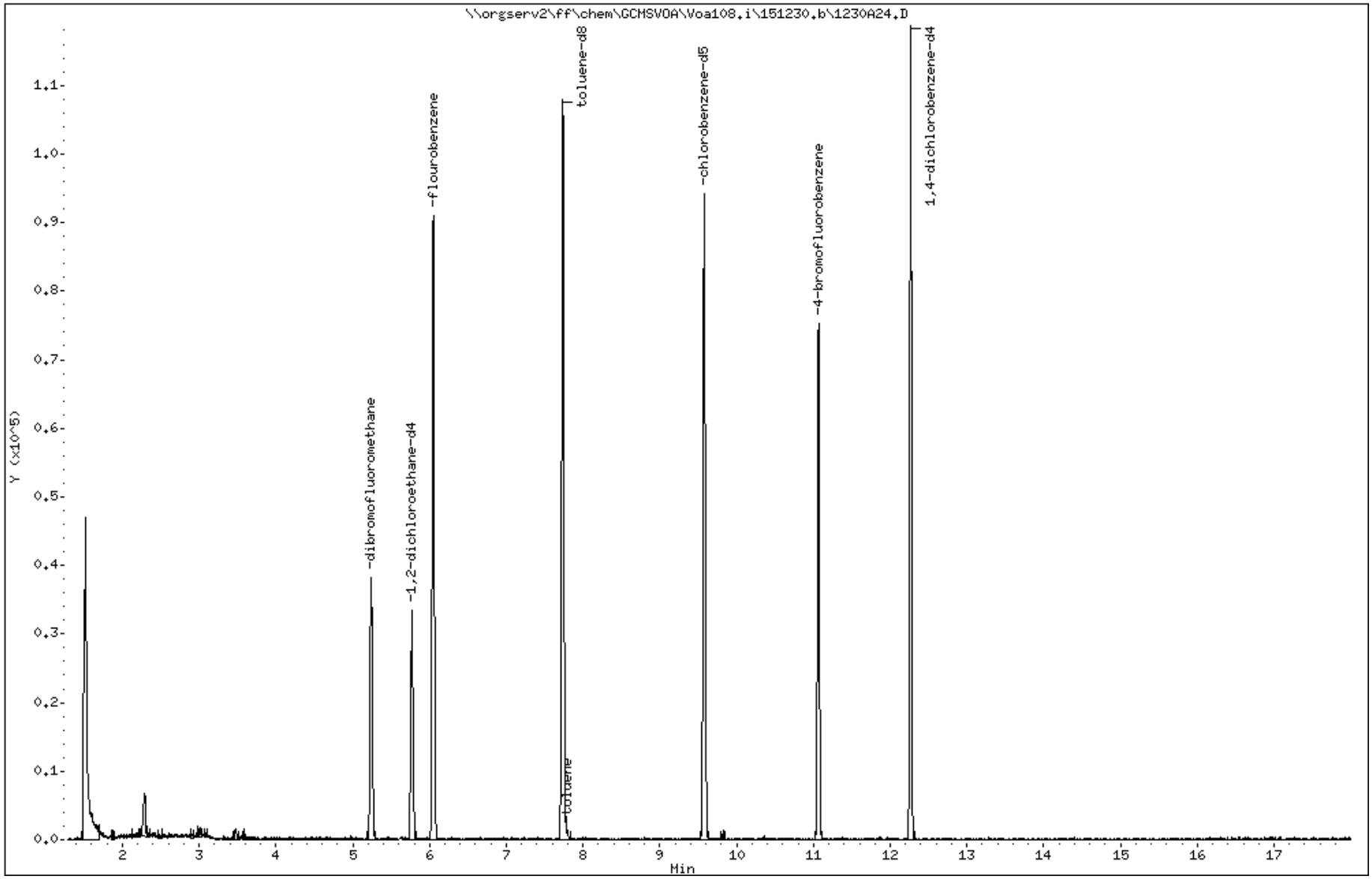
RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PK
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: newtcreek.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Misc Info: wg854069,ical11667

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 36 dibromofluorometha	100.000	106.065	106.07	70-130
$ 42 1,2-dichloroethane	100.000	96.819	96.82	70-130
$ 58 toluene-d8	100.000	103.251	103.25	70-130
$ 81 4-bromofluorobenze	100.000	100.791	100.79	70-130

Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A24.D
Date : 30-DEC-2015 18:11
Client ID:
Sample Info: 11533592-04,31,10,,a
Purge Volume: 10.0
Column phase:

Instrument: Voa108.i
Operator: PK
Column diameter: 0.18



Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A24.D

Date : 30-DEC-2015 18:11

Client ID:

Instrument: Voa108.i

Sample Info: 11533592-04,31,10,,a

Purge Volume: 10.0

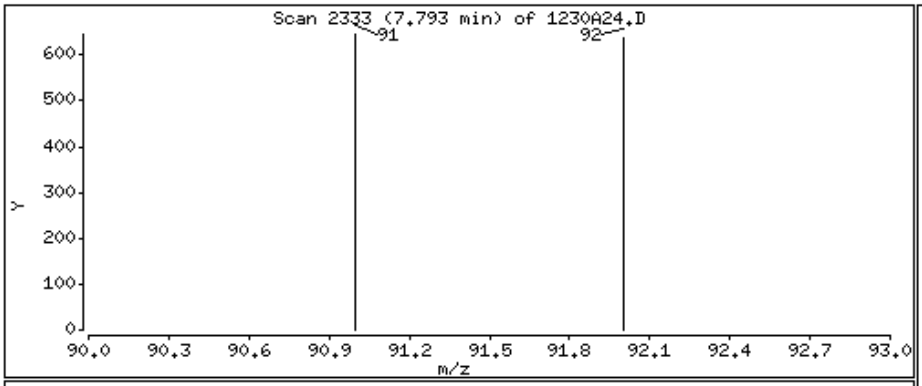
Operator: PK

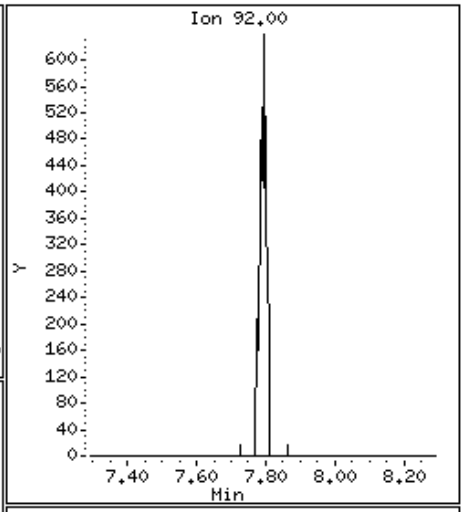
Column phase:

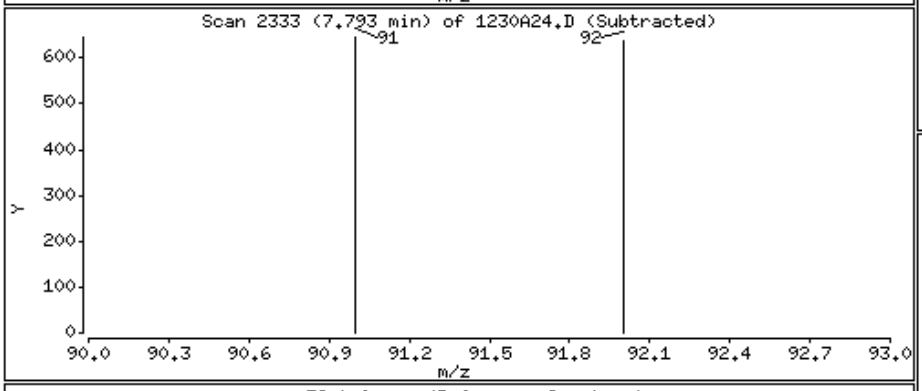
Column diameter: 0.18

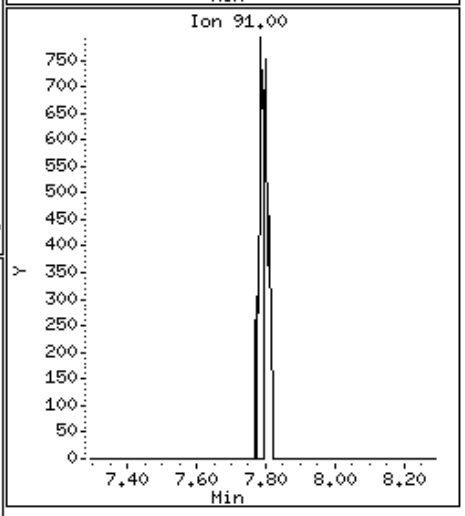
59 toluene

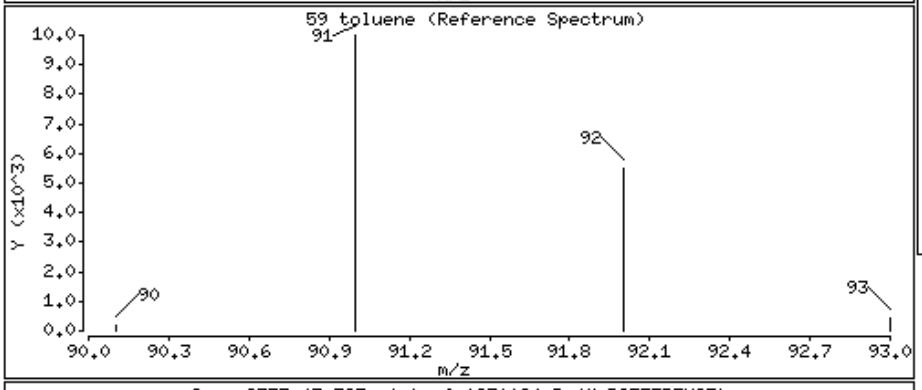
Concentration: 0.171 ngs

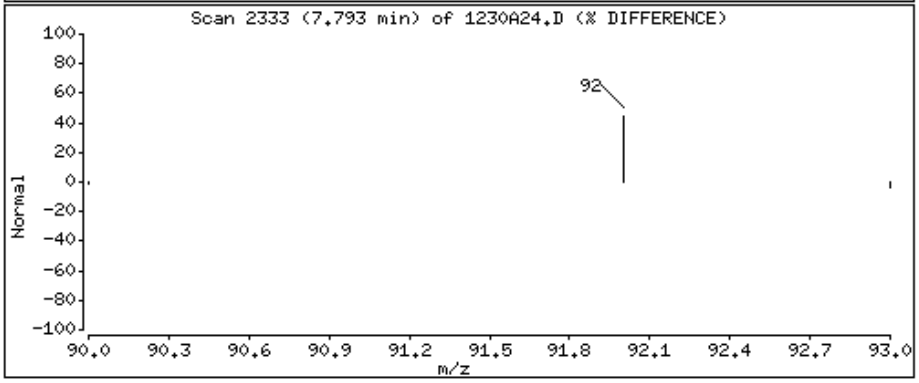










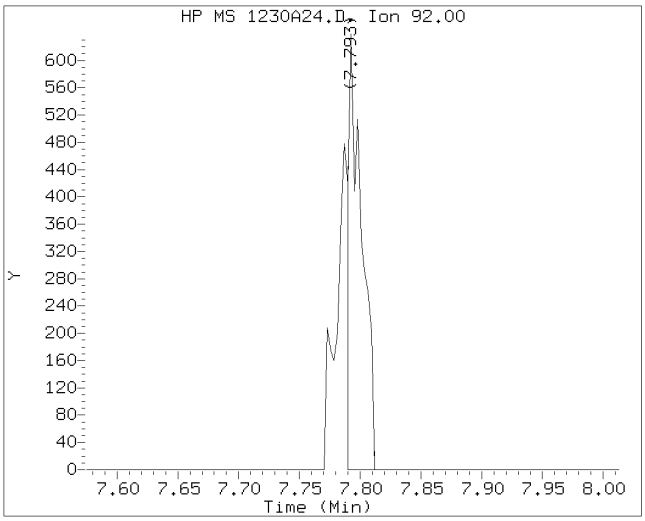


Manual Integration

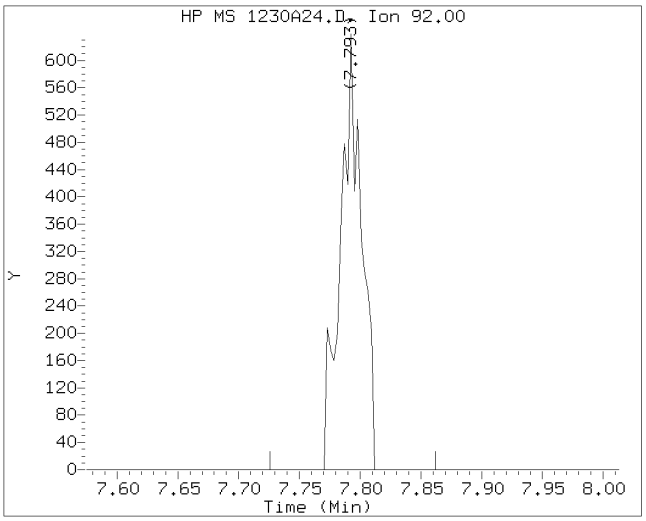
Sample Info : l1533592-04,31,10,,a
wg854069,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1230A24.D
Injection Date : 30-DEC-2015 18:11
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

Compound # 59: toluene



Original Peak Response = 514



Manual Peak Response = 781 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A25.D
Lab Smp Id:
Inj Date : 30-DEC-2015 18:40
Operator : PK Inst ID: Voa108.i
Smp Info : l1533592-06,31,10,,a
Misc Info : wg854069,ical11667
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Meth Date : 30-Dec-2015 19:52 mmay Quant Type: ISTD
Cal Date : 07-NOV-2015 22:27 Cal File: 1107A10.D
Als bottle: 25
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: A1VOA1

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	Compound Not Detected.						
	2 chloromethane	50	Compound Not Detected.						
	3 vinyl chloride	62	Compound Not Detected.						
	4 bromomethane	94	Compound Not Detected.						
	5 chloroethane	64	Compound Not Detected.						
	6 trichlorofluoromethane	101	Compound Not Detected.						
	9 1,1,-dichloroethene	96	Compound Not Detected.						
	11 freon-113	101	Compound Not Detected.						
	10 carbon disulfide	76	Compound Not Detected.						
	15 methylene chloride	84	Compound Not Detected.						
	16 acetone	43	Compound Not Detected.						
	17 trans-1,2-dichloroethene	96	Compound Not Detected.						
	18 Methyl Acetate	43	Compound Not Detected.						
	19 methyl tert butyl ether	73	Compound Not Detected.						
	22 1,1-dichloroethane	63	Compound Not Detected.						
	26 vinyl acetate	43	Compound Not Detected.						
	27 cis-1,2-dichloroethene	96	Compound Not Detected.						
	29 bromochloromethane	128	Compound Not Detected.						
	30 Cyclohexane	56	Compound Not Detected.						
	31 chloroform	83	Compound Not Detected.						
	33 carbontetrachloride	117	Compound Not Detected.						
$	36 dibromofluoromethane	113	5.238	5.241	(0.866)	23094	106.696	10.669	
	37 1,1,1-trichloroethane	97	Compound Not Detected.						
	38 2-butanone	43	Compound Not Detected.						
	40 benzene	78	Compound Not Detected.						
$	42 1,2-dichloroethane-d4	65	5.773	5.768	(0.954)	22358	95.2614	9.526	
	43 1,2-dichloroethane	62	Compound Not Detected.						
*	46 flourobenzene	96	6.049	6.049	(1.000)	79162	100.000		
	47 methyl cyclohexane	83	Compound Not Detected.						
	48 trichloroethene	95	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	52 1,2-dichloropropane	63	Compound Not Detected.						
	53 bromodichloromethane	83	Compound Not Detected.						
	57 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	58 toluene-d8	98	7.734	7.734	(0.807)	77244	102.536	10.253	
	59 toluene	92	Compound Not Detected.						
	60 4-methyl-2-pentanone	58	Compound Not Detected.						
	61 tetrachloroethene	166	Compound Not Detected.						
	62 trans-1,3-dichloropropene	75	Compound Not Detected.						
	66 1,1,2-trichloroethane	83	Compound Not Detected.						
	67 chlorodibromomethane	129	Compound Not Detected.						
	70 1,2-dibromoethane	107	Compound Not Detected.						
	71 2-hexanone	43	Compound Not Detected.						
*	72 chlorobenzene-d5	117	9.580	9.574	(1.000)	61753	100.000		
	73 chlorobenzene	112	Compound Not Detected.						
	74 ethyl benzene	91	Compound Not Detected.						
	76 p/m xylene	106	Compound Not Detected.						
	77 o xylene	106	Compound Not Detected.						
	78 styrene	104	Compound Not Detected.						
	79 bromoform	173	Compound Not Detected.						
	80 isopropylbenzene	105	Compound Not Detected.						
$	81 4-bromofluorobenzene	95	11.066	11.061	(0.902)	21972	100.908	10.090	
	85 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
	97 1,3-dichlorobenzene	146	Compound Not Detected.						
*	98 1,4-dichlorobenzene-d4	152	12.268	12.265	(1.000)	26929	100.000		
	99 1,4-dichlorobenzene	146	Compound Not Detected.						
	102 1,2-dichlorobenzene	146	Compound Not Detected.						
	104 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	107 1,2,4-trichlorobenzene	180	Compound Not Detected.						
	109 1,2,3-trichlorobenzene	180	Compound Not Detected.						

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Lab File ID: 1230A25.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PK
Method File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Misc Info: wg854069,ical11667

Calibration Date: 30-DEC-2015
Calibration Time: 07:52
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	119032	59516	238064	79162	-33.50
72 chlorobenzene-d5	94214	47107	188428	61753	-34.45
98 1,4-dichlorobenze	46084	23042	92168	26929	-41.57

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	6.05	5.55	6.55	6.05	-0.00
72 chlorobenzene-d5	9.57	9.07	10.07	9.58	0.06
98 1,4-dichlorobenze	12.27	11.77	12.77	12.27	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

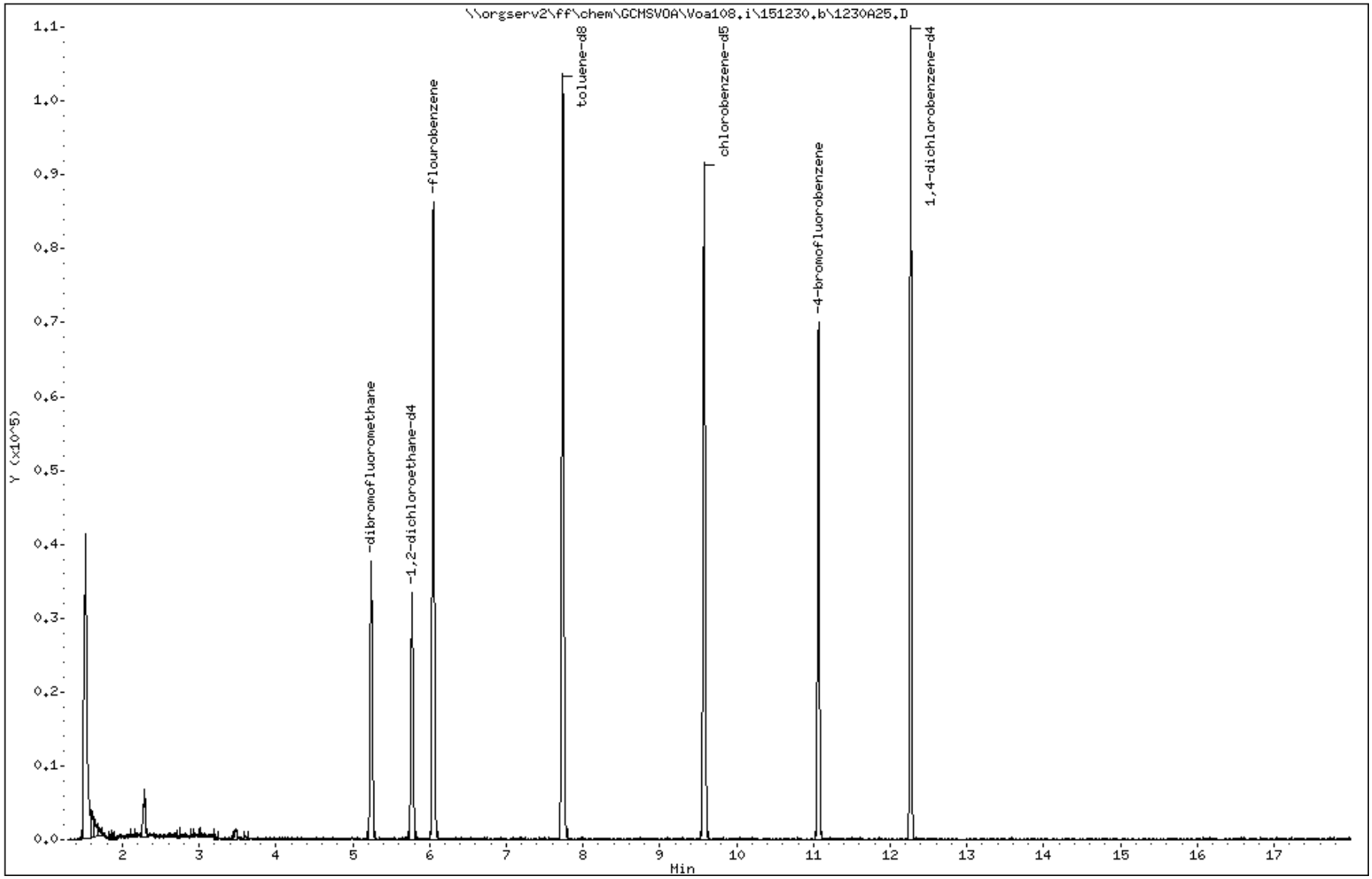
RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PK
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: newtcreek.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Misc Info: wg854069,ical11667

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 36 dibromofluorometha	100.000	106.695	106.70	70-130
$ 42 1,2-dichloroethane	100.000	95.261	95.26	70-130
$ 58 toluene-d8	100.000	102.536	102.54	70-130
$ 81 4-bromofluorobenze	100.000	100.907	100.91	70-130

Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A25.D
Date : 30-DEC-2015 18:40
Client ID:
Sample Info: 11533592-06,31,10,,a
Purge Volume: 10.0
Column phase:

Instrument: Voa108.i
Operator: PK
Column diameter: 0.18



Manual Integration

Sample Info : l1533592-06,31,10,,a
wg854069,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1230A25.D
Injection Date : 30-DEC-2015 18:40
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

There are no manual integrations in this file.

Method Blank
Raw Data

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A05.D
Lab Smp Id:
Inj Date : 30-DEC-2015 09:17
Operator : PD Inst ID: Voa108.i
Smp Info : wg854069-3,31,10
Misc Info : wg854069,ical1667
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Meth Date : 30-Dec-2015 19:52 mmay Quant Type: ISTD
Cal Date : 07-NOV-2015 22:27 Cal File: 1107A10.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: A1VOA1

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	Compound Not Detected.						
	2 chloromethane	50	Compound Not Detected.						
	3 vinyl chloride	62	Compound Not Detected.						
	4 bromomethane	94	Compound Not Detected.						
	5 chloroethane	64	Compound Not Detected.						
	6 trichlorofluoromethane	101	Compound Not Detected.						
	9 1,1,-dichloroethene	96	Compound Not Detected.						
	11 freon-113	101	Compound Not Detected.						
	10 carbon disulfide	76	Compound Not Detected.						
	15 methylene chloride	84	Compound Not Detected.						
	16 acetone	43	Compound Not Detected.						
	17 trans-1,2-dichloroethene	96	Compound Not Detected.						
	18 Methyl Acetate	43	Compound Not Detected.						
	19 methyl tert butyl ether	73	Compound Not Detected.						
	22 1,1-dichloroethane	63	Compound Not Detected.						
	26 vinyl acetate	43	Compound Not Detected.						
	27 cis-1,2-dichloroethene	96	Compound Not Detected.						
	29 bromochloromethane	128	Compound Not Detected.						
	30 Cyclohexane	56	Compound Not Detected.						
	31 chloroform	83	Compound Not Detected.						
	33 carbontetrachloride	117	Compound Not Detected.						
$	36 dibromofluoromethane	113	5.243	5.241	(0.867)	27424	106.365	10.636	
	37 1,1,1-trichloroethane	97	Compound Not Detected.						
	38 2-butanone	43	Compound Not Detected.						
	40 benzene	78	Compound Not Detected.						
$	42 1,2-dichloroethane-d4	65	5.770	5.768	(0.954)	26261	93.9321	9.393	
	43 1,2-dichloroethane	62	Compound Not Detected.						
*	46 flourobenzene	96	6.049	6.049	(1.000)	94297	100.000		
	47 methyl cyclohexane	83	Compound Not Detected.						
	48 trichloroethene	95	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	52 1,2-dichloropropane	63	Compound Not Detected.						
	53 bromodichloromethane	83	Compound Not Detected.						
	57 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	58 toluene-d8	98	7.736	7.734	(0.808)	92209	103.084	10.308	
	59 toluene	92	Compound Not Detected.						
	60 4-methyl-2-pentanone	58	Compound Not Detected.						
	61 tetrachloroethene	166	Compound Not Detected.						
	62 trans-1,3-dichloropropene	75	Compound Not Detected.						
	66 1,1,2-trichloroethane	83	Compound Not Detected.						
	67 chlorodibromomethane	129	Compound Not Detected.						
	70 1,2-dibromoethane	107	Compound Not Detected.						
	71 2-hexanone	43	Compound Not Detected.						
*	72 chlorobenzene-d5	117	9.577	9.574	(1.000)	73325	100.000		
	73 chlorobenzene	112	Compound Not Detected.						
	74 ethyl benzene	91	Compound Not Detected.						
	76 p/m xylene	106	Compound Not Detected.						
	77 o xylene	106	Compound Not Detected.						
	78 styrene	104	Compound Not Detected.						
	79 bromoform	173	Compound Not Detected.						
	80 isopropylbenzene	105	Compound Not Detected.						
$	81 4-bromofluorobenzene	95	11.063	11.061	(0.902)	27591	112.657	11.265	
	85 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
	97 1,3-dichlorobenzene	146	Compound Not Detected.						
*	98 1,4-dichlorobenzene-d4	152	12.265	12.265	(1.000)	30289	100.000		
	99 1,4-dichlorobenzene	146	Compound Not Detected.						
	102 1,2-dichlorobenzene	146	Compound Not Detected.						
	104 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	107 1,2,4-trichlorobenzene	180	Compound Not Detected.						
	109 1,2,3-trichlorobenzene	180	Compound Not Detected.						

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Lab File ID: 1230A05.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Misc Info: wg854069,ical11667

Calibration Date: 30-DEC-2015
Calibration Time: 07:52
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
46 flourobenzene	119032	59516	238064	94297	-20.78
72 chlorobenzene-d5	94214	47107	188428	73325	-22.17
98 1,4-dichlorobenze	46084	23042	92168	30289	-34.27

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
46 flourobenzene	6.05	5.55	6.55	6.05	-0.00
72 chlorobenzene-d5	9.57	9.07	10.07	9.58	0.03
98 1,4-dichlorobenze	12.27	11.77	12.77	12.27	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

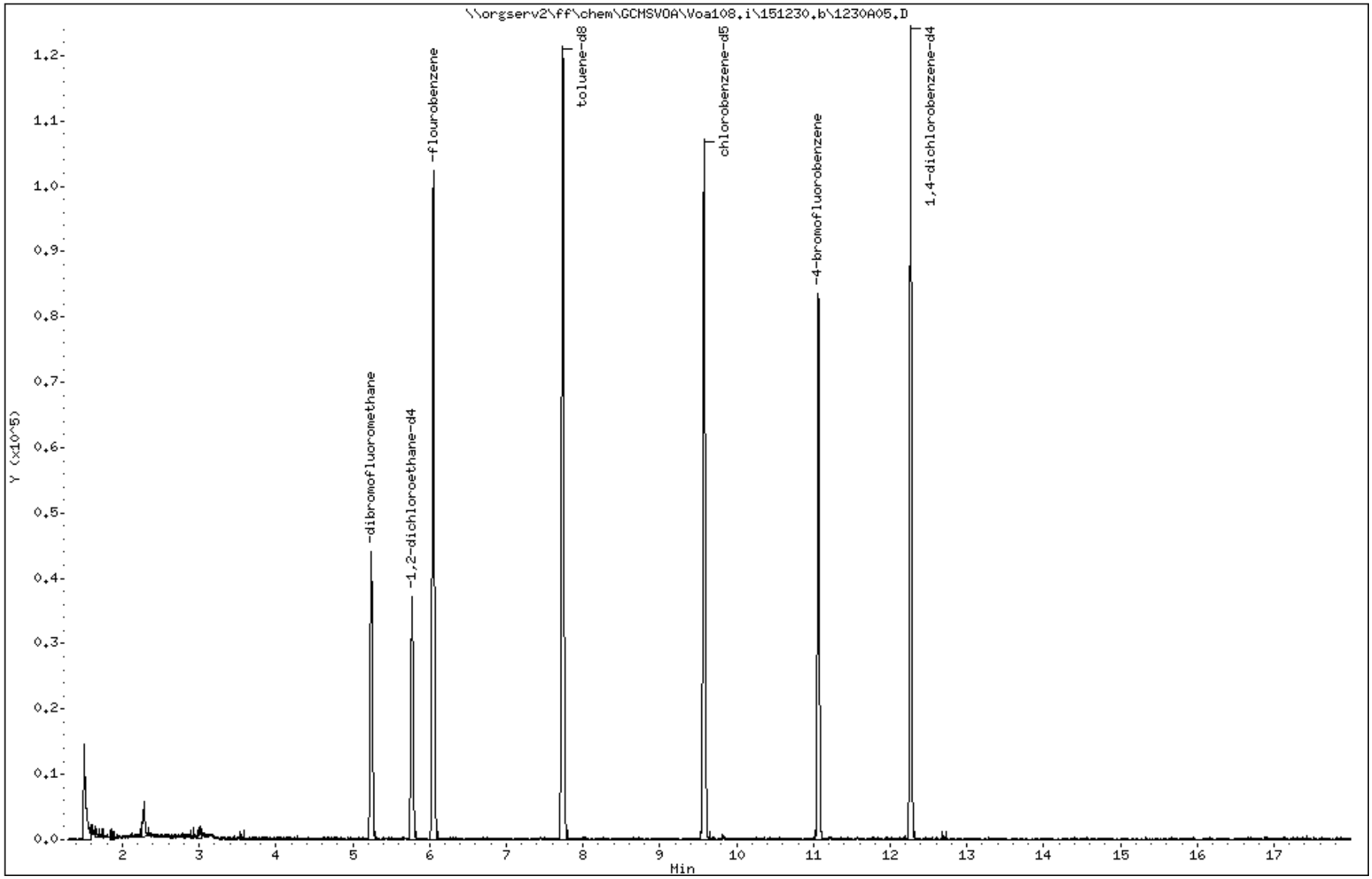
RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: newtcreek.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Misc Info: wg854069,ical11667

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 36 dibromofluorometha	100.000	106.364	106.36	70-130
$ 42 1,2-dichloroethane	100.000	93.932	93.93	70-130
$ 58 toluene-d8	100.000	103.084	103.08	70-130
$ 81 4-bromofluorobenze	100.000	112.656	112.66	70-130

Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A05.D
Date : 30-DEC-2015 09:17
Client ID:
Sample Info: wg854069-3,31,10
Purge Volume: 10.0
Column phase:

Instrument: Voa108.i
Operator: PD
Column diameter: 0.18



Manual Integration

Sample Info : wg854069-3,31,10
wg854069,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1230A05.D
Injection Date : 30-DEC-2015 09:17
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

There are no manual integrations in this file.

Analytical Event

Continuing Calibration
BFB Tune

Alpha Analytical Labs

BFB method - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\BFB1231B.D
Lab Smp Id: BFB TUNE Client Smp ID: BFB TUNE
Inj Date : 31-DEC-2015 09:21
Operator : ms Inst ID: Voa108.i
Smp Info : wg853951-6, bfb
Misc Info : wg853951
Comment   :
Method   : \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\bfb.m
Meth Date : 09-Sep-2013 13:25 Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: VIRTUALXP-38517

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 BFB						CAS #: 460-00-4		
4.357	4.602	(0.000)	95	46512			100.00- 100.00	100.00
4.357	4.602	(0.000)	50	9623			15.00- 40.00	20.69
4.357	4.602	(0.000)	75	23400			30.00- 60.00	50.31
4.357	4.602	(0.000)	96	2918			5.00- 9.00	6.27
4.357	4.602	(0.000)	173	668			0.00- 2.00	1.62
4.357	4.602	(0.000)	174	41136			50.00- 100.00	88.44
4.357	4.602	(0.000)	175	3206			5.00- 9.00	7.79
4.357	4.602	(0.000)	176	39160			95.00- 101.00	95.20
4.357	4.602	(0.000)	177	2598			5.00- 9.00	6.63

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\BFB1231B.D

Date : 31-DEC-2015 09:21

Client ID: BFB TUNE

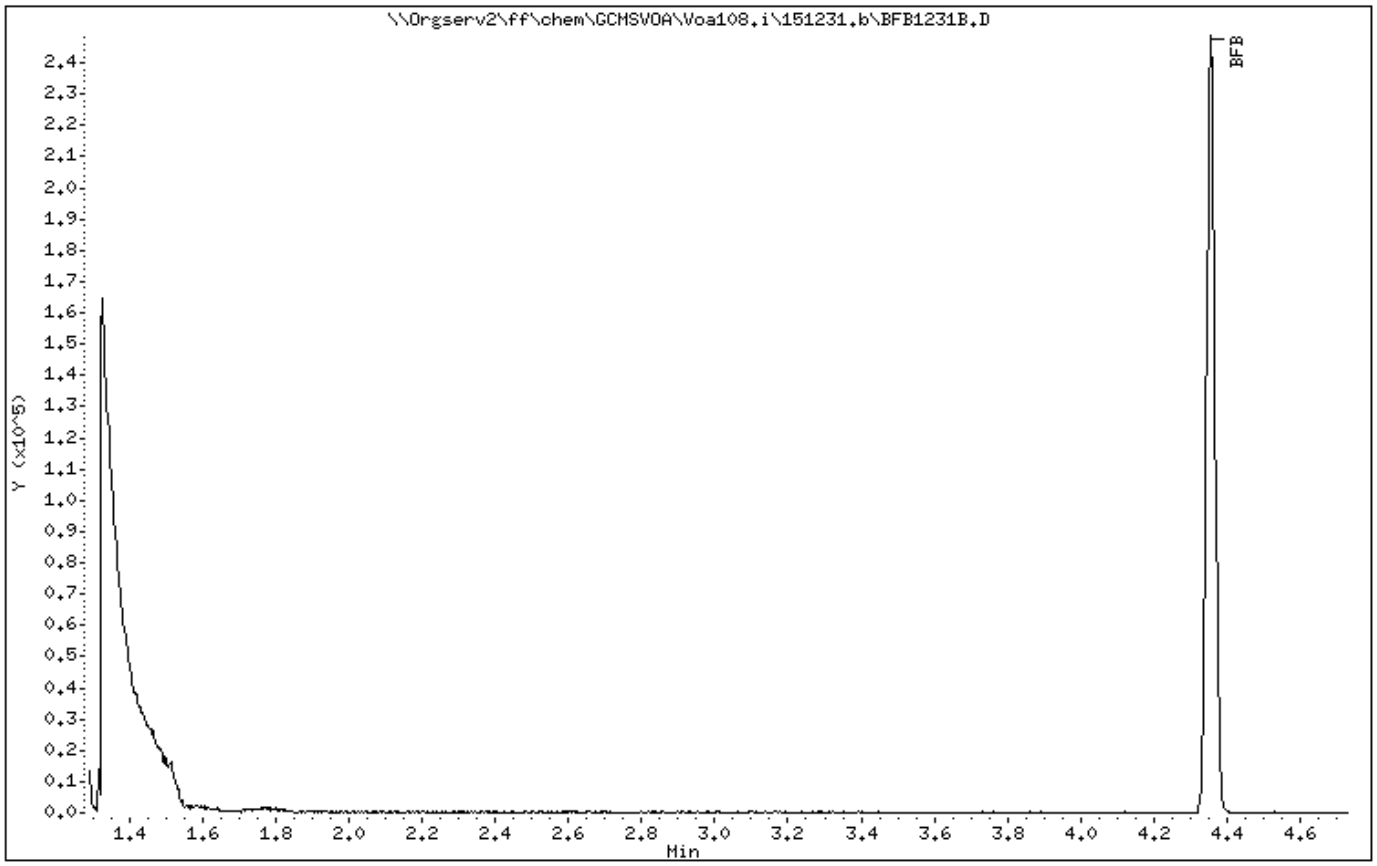
Instrument: Voa108.i

Sample Info: wg853951-6, bfb

Operator: ms

Column phase:

Column diameter: 0.18



Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\BFB1231B.D

Date : 31-DEC-2015 09:21

Client ID: BFB TUNE

Instrument: Voa108.i

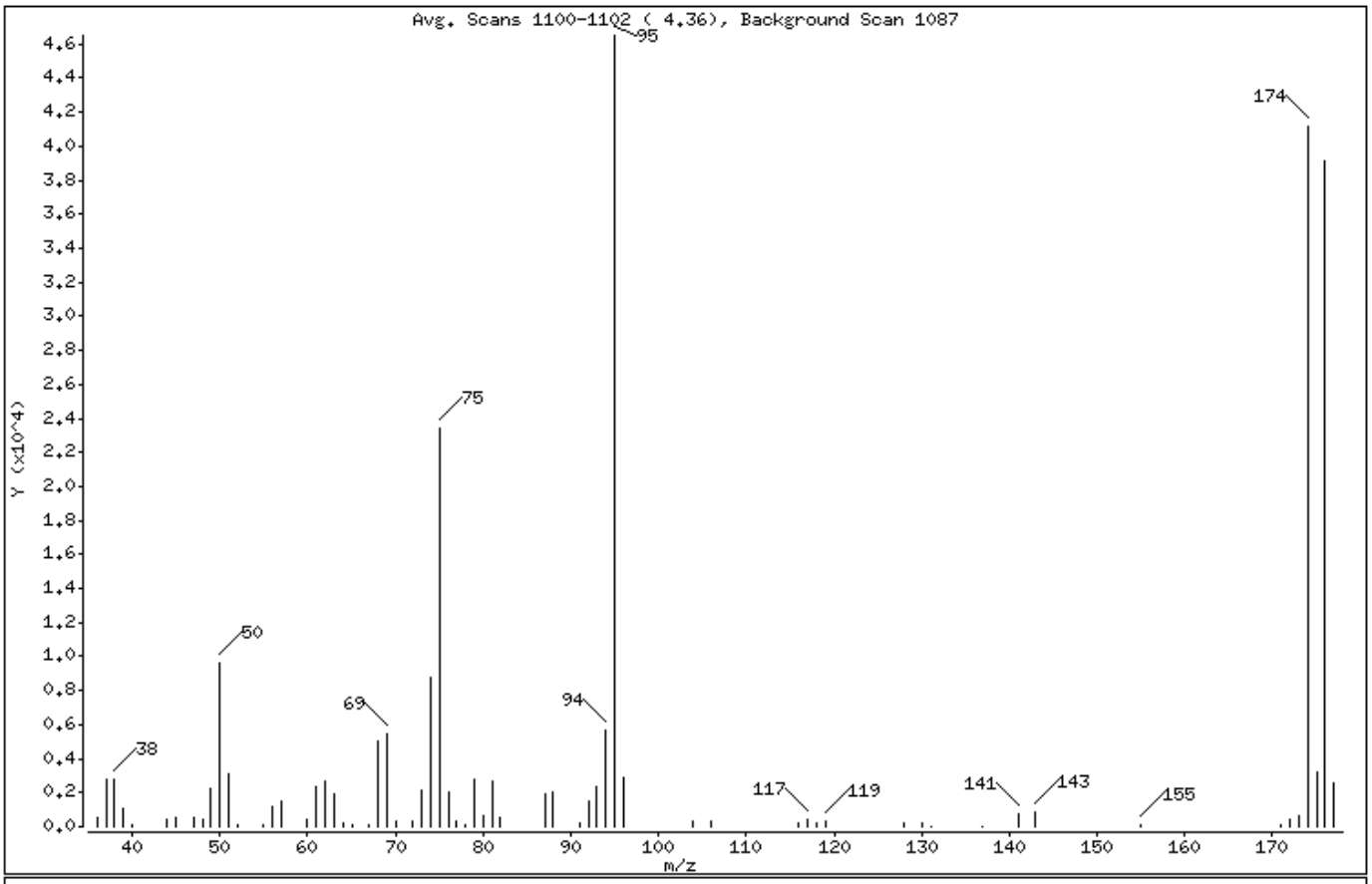
Sample Info: wg853951-6, bfb

Operator: ms

Column phase:

Column diameter: 0.18

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.69
75	30.00 - 60.00% of mass 95	50.31
96	5.00 - 9.00% of mass 95	6.27
173	Less than 2.00% of mass 174	1.44 (1.62)
174	50.00 - 100.00% of mass 95	88.44
175	5.00 - 9.00% of mass 174	6.89 (7.79)
176	95.00 - 101.00% of mass 174	84.19 (95.20)
177	5.00 - 9.00% of mass 176	5.59 (6.63)

Date : 31-DEC-2015 09:21

Client ID: BFB TUNE Instrument: Voa108.i

Sample Info: wg853951-6, bfb

Operator: ms

Column phase: Column diameter: 0.18

Data File: BFB1231B.D
Spectrum: Avg. Scans 1100-1102 (4.36), Background Scan 1087
Location of Maximum: 95.00
Number of points: 65

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	524	61.00	2400	80.00	595	128.00	253
37.00	2767	62.00	2623	81.00	2682	130.00	223
38.00	2775	63.00	1975	82.00	545	131.00	53
39.00	1037	64.00	203	87.00	1928	137.00	53
40.00	78	65.00	117	88.00	2003	141.00	717
44.00	469	67.00	61	91.00	266	143.00	857
45.00	533	68.00	5044	92.00	1539	155.00	61
47.00	503	69.00	5408	93.00	2341	171.00	87
48.00	407	70.00	372	94.00	5634	172.00	387
49.00	2268	72.00	336	95.00	46512	173.00	668
50.00	9623	73.00	2176	96.00	2918	174.00	41136
51.00	3054	74.00	8813	104.00	292	175.00	3206
52.00	119	75.00	23400	106.00	311	176.00	39160
55.00	102	76.00	2028	116.00	202	177.00	2598
56.00	1155	77.00	343	117.00	395		
57.00	1478	78.00	142	118.00	233		
60.00	437	79.00	2768	119.00	363		

Continuing Calibration

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Voa108.i Injection Date: 31-DEC-2015 09:40
Lab File ID: 1231B01.D Init. Cal. Date(s): 07-NOV-2015 07-NOV-2015
Analysis Type: WATER Init. Cal. Times: 19:08 22:27
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 dichlorodifluoromethane	0.19365	0.21807	0.21807	0.050	12.61335	20.00000	Averaged	
2 chloromethane	0.19776	0.24742	0.24742	0.050	25.11022	20.00000	Averaged	<-
3 vinyl chloride	0.25445	0.24812	0.24812	0.050	-2.48918	20.00000	Averaged	
4 bromomethane	100	80.56426	0.12697	0.050	-19.43574	20.00000	Quadratic	
5 chloroethane	0.26674	0.21020	0.21020	0.050	-21.19709	20.00000	Averaged	<-
6 trichlorofluoromethane	0.61572	0.46913	0.46913	0.050	-23.80744	20.00000	Averaged	<-
7 ethyl ether	0.19753	0.13104	0.13104	0.050	-33.66157	20.00000	Averaged	<-
9 1,1,-dichloroethene	0.34379	0.25347	0.25347	0.050	-26.27031	20.00000	Averaged	<-
10 carbon disulfide	1.02075	0.68259	0.68259	0.050	-33.12892	20.00000	Averaged	<-
11 freon-113	0.34939	0.25766	0.25766	0.050	-26.25387	20.00000	Averaged	<-
12 iodomethane	100	57.28584	0.15594	0.050	-42.71416	20.00000	Wt Linear	<-
15 methylene chloride	0.21384	0.21887	0.21887	0.050	2.35164	20.00000	Averaged	
16 acetone	100	74.95770	0.03742	0.050	-25.04230	20.00000	Wt Linear	<-
17 trans-1,2-dichloroethene	0.21190	0.22034	0.22034	0.050	3.98600	20.00000	Averaged	
18 Methyl Acetate	0.08915	0.10213	0.10213	0.050	14.55888	20.00000	Averaged	
13 acrolein	100	174	0.02783	0.050	74.23519	20.00000	Wt Linear	<-
19 methyl tert butyl ether	0.48369	0.43282	0.43282	0.050	-10.51701	20.00000	Averaged	
20 Tert-Butyl Alcohol	0.00965	0.01182	0.01182	0.050	22.57852	20.00000	Averaged	<-
21 Diisopropyl Ether	0.64037	0.65123	0.65123	0.050	1.69610	20.00000	Averaged	
22 1,1-dichloroethane	0.38076	0.39625	0.39625	0.050	4.06599	20.00000	Averaged	
23 halothane	0.16865	0.17980	0.17980	0.050	6.60775	20.00000	Averaged	
24 acrylonitrile	0.04932	0.05341	0.05341	0.050	8.31084	20.00000	Averaged	<-
25 Ethyl-Tert-Butyl-Ether	0.57754	0.54435	0.54435	0.050	-5.74612	20.00000	Averaged	
26 vinyl acetate	0.45220	0.45581	0.45581	0.050	0.79743	20.00000	Averaged	
27 cis-1,2-dichloroethene	0.25067	0.23915	0.23915	0.050	-4.59634	20.00000	Averaged	
28 2,2-dichloropropane	0.30883	0.33881	0.33881	0.050	9.70639	20.00000	Averaged	
30 Cyclohexane	0.31492	0.32085	0.32085	0.050	1.88216	20.00000	Averaged	
29 bromochloromethane	0.11855	0.12449	0.12449	0.050	5.00672	20.00000	Averaged	
31 chloroform	0.41124	0.40725	0.40725	0.050	-0.97027	20.00000	Averaged	
32 Ethyl Acetate	0.14644	0.15214	0.15214	0.050	3.89321	20.00000	Averaged	
33 carbontetrachloride	0.32652	0.34027	0.34027	0.050	4.20904	20.00000	Averaged	
35 tetrahydrofuran	0.04788	0.05159	0.05159	0.050	7.75891	20.00000	Averaged	<-
$ 36 dibromofluoromethane	0.27342	0.28966	0.28966	0.050	5.93737	30.00000	Averaged	
37 1,1,1-trichloroethane	0.35388	0.36813	0.36813	0.050	4.02582	20.00000	Averaged	
38 2-butanone	100	93.72968	0.06303	0.050	-6.27032	20.00000	Wt Linear	
39 1,1-dichloropropene	0.28712	0.28871	0.28871	0.050	0.55242	20.00000	Averaged	
40 benzene	0.88430	0.86981	0.86981	0.050	-1.63798	20.00000	Averaged	
41 Tertiary-Amyl Methyl Ether	0.51182	0.44052	0.44052	0.050	-13.93021	20.00000	Averaged	
$ 42 1,2-dichloroethane-d4	0.29648	0.28132	0.28132	0.050	-5.11341	30.00000	Averaged	
43 1,2-dichloroethane	0.27789	0.27465	0.27465	0.050	-1.16393	20.00000	Averaged	
47 methyl cyclohexane	0.34501	0.31020	0.31020	0.050	-10.08844	20.00000	Averaged	
48 trichloroethene	0.24877	0.24408	0.24408	0.050	-1.88500	20.00000	Averaged	

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Voa108.i Injection Date: 31-DEC-2015 09:40
Lab File ID: 1231B01.D Init. Cal. Date(s): 07-NOV-2015 07-NOV-2015
Analysis Type: WATER Init. Cal. Times: 19:08 22:27
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
50 dibromomethane	0.13175	0.13393	0.13393	0.050	1.65006	20.00000	Averaged	
52 1,2-dichloropropane	0.21494	0.21476	0.21476	0.050	-0.08275	20.00000	Averaged	
53 bromodichloromethane	0.31242	0.29325	0.29325	0.050	-6.13463	20.00000	Averaged	
54 1,4-Dioxane	0.00102	0.00110	0.00110	0.050	8.59315	20.00000	Averaged	<-
56 2-Chloroethylvinyl ether	0.10596	0.09470	0.09470	0.050	-10.62480	20.00000	Averaged	
57 cis-1,3-dichloropropene	0.34422	0.32344	0.32344	0.050	-6.03724	20.00000	Averaged	
$ 58 toluene-d8	1.21991	1.26169	1.26169	0.050	3.42476	30.00000	Averaged	
59 toluene	0.70643	0.71570	0.71570	0.050	1.31266	20.00000	Averaged	
61 tetrachloroethene	0.31269	0.31488	0.31488	0.050	0.70301	20.00000	Averaged	
60 4-methyl-2-pentanone	0.05281	0.04220	0.04220	0.050	-20.08576	20.00000	Averaged	<-
62 trans-1,3-dichloropropene	0.36184	0.35808	0.35808	0.050	-1.03693	20.00000	Averaged	
65 ethyl-methacrylate	0.28717	0.22796	0.22796	0.050	-20.61801	20.00000	Averaged	<-
66 1,1,2-trichloroethane	0.18760	0.18440	0.18440	0.050	-1.70348	20.00000	Averaged	
67 chlorodibromomethane	0.28514	0.29429	0.29429	0.050	3.21244	20.00000	Averaged	
68 1,3-dichloropropane	0.36371	0.36755	0.36755	0.050	1.05713	20.00000	Averaged	
70 1,2-dibromoethane	0.22296	0.22852	0.22852	0.050	2.49609	20.00000	Averaged	
71 2-hexanone	0.11172	0.09868	0.09868	0.050	-11.67131	20.00000	Averaged	
73 chlorobenzene	0.84781	0.84425	0.84425	0.050	-0.41902	20.00000	Averaged	
74 ethyl benzene	1.42076	1.32338	1.32338	0.050	-6.85416	20.00000	Averaged	
75 1,1,1,2-tetrachloroethane	0.29741	0.30665	0.30665	0.050	3.10490	20.00000	Averaged	
76 p/m xylene	0.58673	0.53623	0.53623	0.050	-8.60727	20.00000	Averaged	
77 o xylene	0.57138	0.49100	0.49100	0.050	-14.06863	20.00000	Averaged	
78 styrene	0.92751	0.81275	0.81275	0.050	-12.37336	20.00000	Averaged	
79 bromoform	100	86.03486	0.30443	0.050	-13.96514	20.00000	Wt Linear	
80 isopropylbenzene	2.66035	2.49871	2.49871	0.050	-6.07578	20.00000	Averaged	
$ 81 4-bromofluorobenzene	0.80858	0.76531	0.76531	0.050	-5.35190	30.00000	Averaged	
82 bromobenzene	0.64008	0.62846	0.62846	0.050	-1.81528	20.00000	Averaged	
83 n-propylbenzene	3.06227	2.79967	2.79967	0.050	-8.57545	20.00000	Averaged	
84 1,4-dichloro-2-butane	0.64983	0.65070	0.65070	0.050	0.13389	20.00000	Averaged	
85 1,1,2,2,-tetrachloroethane	0.48815	0.52082	0.52082	0.050	6.69182	20.00000	Averaged	
86 4-ethyltoluene	2.81632	2.31295	2.31295	0.050	-17.87302	20.00000	Averaged	
88 2-chlorotoluene	1.77795	1.71012	1.71012	0.050	-3.81473	20.00000	Averaged	
89 1,3,5-trimethybenzene	2.17608	1.99535	1.99535	0.050	-8.30494	20.00000	Averaged	
90 1,2,3-trichloropropane	0.38599	0.38175	0.38175	0.050	-1.09986	20.00000	Averaged	
91 trans-1,4-dichloro-2-butene	0.13398	0.13322	0.13322	0.050	-0.56416	20.00000	Averaged	
92 4-chorotoluene	1.80042	1.69756	1.69756	0.050	-5.71305	20.00000	Averaged	
93 tert-butylbenzene	2.19905	1.55724	1.55724	0.050	-29.18566	20.00000	Averaged	<-
94 1,2,4-trimethylbenzene	2.05547	1.86708	1.86708	0.050	-9.16512	20.00000	Averaged	
95 sec-butylbenzene	2.57594	2.25731	2.25731	0.050	-12.36972	20.00000	Averaged	
96 p-isopropyltoluene	2.16282	1.75204	1.75204	0.050	-18.99300	20.00000	Averaged	
97 1,3-dichlorobenzene	1.24980	1.19640	1.19640	0.050	-4.27281	20.00000	Averaged	
99 1,4-dichlorobenzene	1.25245	1.19987	1.19987	0.050	-4.19776	20.00000	Averaged	
100 p-Diethylbenzene	1.30798	0.88370	0.88370	0.050	-32.43759	20.00000	Averaged	<-

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Voa108.i Injection Date: 31-DEC-2015 09:40
Lab File ID: 1231B01.D Init. Cal. Date(s): 07-NOV-2015 07-NOV-2015
Analysis Type: WATER Init. Cal. Times: 19:08 22:27
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
101 n-butylbenzene	1.77962	1.47653	1.47653	0.050	-17.03145	20.00000	Averaged	
102 1,2-dichlorobenzene	1.11406	1.09708	1.09708	0.050	-1.52477	20.00000	Averaged	
103 1,2,4,5-tetramethylbenzene	1.84657	1.30979	1.30979	0.050	-29.06914	20.00000	Averaged	<-
104 1,2-dibromo-3-chloropropane	0.17133	0.16278	0.16278	0.050	-4.98865	20.00000	Averaged	
105 1,3,5-trichlorobenzene	0.61656	0.52725	0.52725	0.050	-14.48585	20.00000	Averaged	
106 hexachlorobutadiene	100	74.42860	0.14573	0.050	-25.57140	20.00000	Wt Linear	<-
107 1,2,4-trichlorobenzene	0.50165	0.43977	0.43977	0.050	-12.33516	20.00000	Averaged	
108 naphthalene	1.21083	1.09258	1.09258	0.050	-9.76568	20.00000	Averaged	
109 1,2,3-trichlorobenzene	0.42874	0.39035	0.39035	0.050	-8.95427	20.00000	Averaged	
188 Pentachloroethane	++++	++++	0.00000	0.050	++++	20.00000	Wt Linear	<-

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D
Lab Smp Id:
Inj Date : 31-DEC-2015 09:40
Operator : PD Inst ID: Voa108.i
Smp Info : wg853951-7, ccal
Misc Info : wg853951,ical11667
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Meth Date : 31-Dec-2015 13:17 Voa108.i Quant Type: ISTD
Cal Date : 07-NOV-2015 22:27 Cal File: 1107A10.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve+acro.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	1.655	1.655	(0.273)	20932	100.000	112.613	
2	chloromethane	50	1.841	1.841	(0.304)	23749	100.000	125.110(M)	M1
3	vinyl chloride	62	1.925	1.925	(0.318)	23816	100.000	97.510	
4	bromomethane	94	2.240	2.240	(0.370)	12187	100.000	80.564(M)	M1
5	chloroethane	64	2.357	2.357	(0.390)	20176	100.000	78.802	
6	trichlorofluoromethane	101	2.497	2.497	(0.413)	45030	100.000	76.192	
7	ethyl ether	74	2.798	2.798	(0.462)	12578	100.000	66.338	
9	1,1,-dichloroethene	96	2.987	2.987	(0.494)	24330	100.000	73.729	
10	carbon disulfide	76	3.013	3.013	(0.498)	65519	100.000	66.871	
11	freon-113	101	3.024	3.024	(0.500)	24732	100.000	73.746	
12	iodomethane	142	3.127	3.127	(0.517)	14968	100.000	57.285(M)	M1
15	methylene chloride	84	3.548	3.548	(0.586)	21008	100.000	102.351	
16	acetone	43	3.601	3.601	(0.595)	3592	100.000	74.957	
17	trans-1,2-dichloroethene	96	3.699	3.699	(0.611)	21150	100.000	103.986	
18	Methyl Acetate	43	3.715	3.715	(0.614)	9803	100.000	114.558	
13	acrolein	56	3.319	3.319	(0.548)	2671	100.000	174.235(TQM)	M1
19	methyl tert butyl ether	73	3.799	3.799	(0.628)	41545	100.000	89.482	
20	Tert-Butyl Alcohol	59	3.905	3.905	(0.645)	5675	500.000	612.892	
21	Diisopropyl Ether	45	4.159	4.159	(0.687)	62509	100.000	101.696	
22	1,1-dichloroethane	63	4.284	4.284	(0.708)	38034	100.000	104.065(M)	M1
23	halothane	117	4.337	4.337	(0.717)	17258	100.000	106.607	
24	acrylonitrile	53	4.351	4.351	(0.719)	5127	100.000	108.310	
25	Ethyl-Tert-Butyl-Ether	59	4.504	4.504	(0.744)	52250	100.000	94.253	
26	vinyl acetate	43	4.524	4.524	(0.748)	43751	100.000	100.797	
27	cis-1,2-dichloroethene	96	4.803	4.803	(0.794)	22955	100.000	95.403	
28	2,2-dichloropropane	77	4.900	4.900	(0.810)	32521	100.000	109.706	
30	Cyclohexane	56	4.981	4.981	(0.823)	30797	100.000	101.882	
29	bromochloromethane	128	4.995	4.995	(0.825)	11949	100.000	105.006	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	31 chloroform	83	5.062	5.062	(0.836)	39090	100.000	99.029	
	32 Ethyl Acetate	43	5.185	5.185	(0.857)	14603	100.000	103.893(M)	M1
	33 carbontetrachloride	117	5.196	5.196	(0.859)	32661	100.000	104.209	
	35 tetrahydrofuran	42	5.221	5.221	(0.863)	4952	100.000	107.758	
$	36 dibromofluoromethane	113	5.246	5.246	(0.867)	27803	100.000	105.937	
	37 1,1,1-trichloroethane	97	5.269	5.269	(0.871)	35335	100.000	104.025	
	38 2-butanone	43	5.372	5.372	(0.888)	6050	100.000	93.729(M)	M1
	39 1,1-dichloropropene	75	5.383	5.383	(0.889)	27712	100.000	100.552	
	40 benzene	78	5.634	5.634	(0.931)	83490	100.000	98.362	
	41 Tertiary-Amyl Methyl Ether	73	5.745	5.745	(0.949)	42284	100.000	86.069	
$	42 1,2-dichloroethane-d4	65	5.776	5.776	(0.954)	27003	100.000	94.886	
	43 1,2-dichloroethane	62	5.843	5.843	(0.965)	26363	100.000	98.836	
*	46 flourobenzene	96	6.052	6.052	(1.000)	95986	100.000		
	47 methyl cyclohexane	83	6.203	6.203	(1.025)	29775	100.000	89.911	
	48 trichloroethene	95	6.225	6.225	(1.029)	23428	100.000	98.115	
	50 dibromomethane	93	6.674	6.674	(1.103)	12855	100.000	101.650(M)	M1
	52 1,2-dichloropropane	63	6.777	6.777	(1.120)	20614	100.000	99.917	
	53 bromodichloromethane	83	6.844	6.844	(1.131)	28148	100.000	93.865(M)	M2
	54 1,4-Dioxane	88	7.064	7.064	(1.167)	5301	5000.00	5429.657	
	56 2-Chloroethylvinyl ether	63	7.472	7.472	(1.235)	9090	100.000	89.375	
	57 cis-1,3-dichloropropene	75	7.533	7.533	(1.245)	31046	100.000	93.962	
$	58 toluene-d8	98	7.739	7.739	(0.808)	94189	100.000	103.424	
	59 toluene	92	7.795	7.795	(0.814)	53429	100.000	101.312	
	61 tetrachloroethene	166	8.233	8.233	(0.859)	23507	100.000	100.703	
	60 4-methyl-2-pentanone	58	8.247	8.247	(1.363)	4051	100.000	79.914	
	62 trans-1,3-dichloropropene	75	8.283	8.283	(0.865)	26732	100.000	98.963	
	65 ethyl-methacrylate	69	8.470	8.470	(0.884)	17018	100.000	79.381	
	66 1,1,2-trichloroethane	83	8.473	8.473	(0.884)	13766	100.000	98.296	
	67 chlorodibromomethane	129	8.674	8.674	(0.905)	21970	100.000	103.212	
	68 1,3-dichloropropane	76	8.791	8.791	(0.918)	27439	100.000	101.057	
	70 1,2-dibromoethane	107	8.952	8.952	(0.935)	17060	100.000	102.496	
	71 2-hexanone	43	9.248	9.248	(0.965)	7367	100.000	88.328	
*	72 chlorobenzene-d5	117	9.580	9.580	(1.000)	74653	100.000		
	73 chlorobenzene	112	9.602	9.602	(1.002)	63026	100.000	99.580	
	74 ethyl benzene	91	9.636	9.636	(1.006)	98794	100.000	93.145	
	75 1,1,1,2-tetrachloroethane	131	9.680	9.680	(1.010)	22892	100.000	103.104	
	76 p/m xylene	106	9.822	9.822	(1.025)	80062	200.000	182.785	
	77 o xylene	106	10.363	10.363	(1.082)	73309	200.000	171.862	
	78 styrene	104	10.430	10.430	(1.089)	121348	200.000	175.253	
	79 bromoform	173	10.453	10.453	(0.852)	11926	100.000	86.034(M)	M2
	80 isopropylbenzene	105	10.743	10.743	(0.876)	97887	100.000	93.924	
$	81 4-bromofluorobenzene	95	11.069	11.069	(0.902)	29981	100.000	94.648(M)	M1
	82 bromobenzene	156	11.178	11.178	(0.911)	24620	100.000	98.184	
	83 n-propylbenzene	91	11.220	11.220	(0.915)	109677	100.000	91.424	
	84 1,4-dichloro-2-butane	55	11.245	11.245	(0.917)	25491	100.000	100.133	
	85 1,1,2,2,-tetrachloroethane	83	11.314	11.314	(0.922)	20403	100.000	106.691	
	86 4-ethyltoluene	105	11.345	11.345	(0.925)	90610	100.000	82.126	
	88 2-chlorotoluene	91	11.387	11.387	(0.928)	66994	100.000	96.185	
	89 1,3,5-trimethybenzene	105	11.443	11.443	(0.933)	78168	100.000	91.695	
	90 1,2,3-trichloropropane	75	11.451	11.451	(0.933)	14955	100.000	98.900	
	91 trans-1,4-dichloro-2-butene	53	11.507	11.507	(0.938)	5219	100.000	99.435(M)	M1
	92 4-chorotoluene	91	11.574	11.574	(0.943)	66502	100.000	94.286	
	93 tert-butylbenzene	119	11.780	11.780	(0.960)	61005	100.000	70.814	
	94 1,2,4-trimethylbenzene	105	11.861	11.861	(0.967)	73143	100.000	90.834	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
95	sec-butylbenzene	105	11.972	11.972	(0.976)	88430	100.000	87.630	
96	p-isopropyltoluene	119	12.126	12.126	(0.988)	68636	100.000	81.007	
97	1,3-dichlorobenzene	146	12.193	12.193	(0.994)	46869	100.000	95.727	
* 98	1,4-dichlorobenzene-d4	152	12.268	12.268	(1.000)	39175	100.000		
99	1,4-dichlorobenzene	146	12.282	12.282	(1.001)	47005	100.000	95.802	
100	p-Diethylbenzene	119	12.497	12.497	(1.019)	34619	100.000	67.562	
101	n-butylbenzene	91	12.555	12.555	(1.023)	57843	100.000	82.968	
102	1,2-dichlorobenzene	146	12.706	12.706	(1.036)	42978	100.000	98.475	
103	1,2,4,5-tetramethylbenzene	119	13.289	13.289	(1.083)	51311	100.000	70.930	
104	1,2-dibromo-3-chloropropane	75	13.506	13.506	(1.101)	6377	100.000	95.011(M)	M1
105	1,3,5-trichlorobenzene	180	13.509	13.509	(1.101)	20655	100.000	85.514	
106	hexachlorobutadiene	225	14.078	14.078	(1.148)	5709	100.000	74.428	
107	1,2,4-trichlorobenzene	180	14.106	14.106	(1.150)	17228	100.000	87.664	
108	naphthalene	128	14.404	14.404	(1.174)	42802	100.000	90.234	
109	1,2,3-trichlorobenzene	180	14.569	14.569	(1.188)	15292	100.000	91.045	
188	Pentachloroethane	167	Compound Not Detected.						

QC Flag Legend

T - Target compound detected outside RT window.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Lab File ID: 1231B01.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Misc Info: wg853951,ical11667

Calibration Date: 31-DEC-2015
Calibration Time: 09:40
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

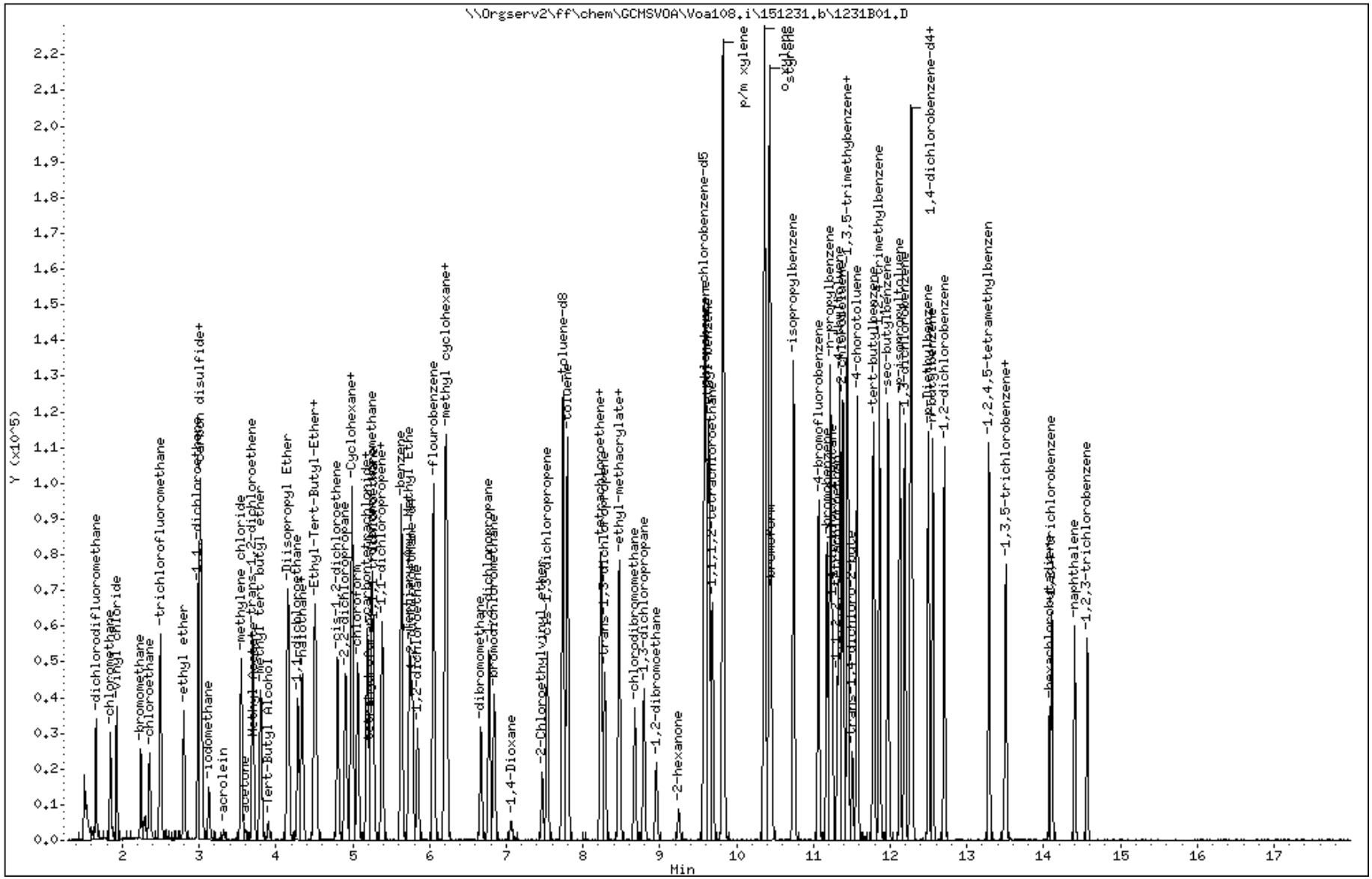
		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
46 flourobenzene	117708	58854	235416	95986	-18.45
72 chlorobenzene-d5	93694	46847	187388	74653	-20.32
98 1,4-dichlorobenze	50402	25201	100804	39175	-22.27

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D
Date : 31-DEC-2015 09:40
Client ID:
Sample Info: wg853951-7, ccal
Purge Volume: 10.0
Column phase:

Instrument: Voa108.i
Operator: PD
Column diameter: 0.18



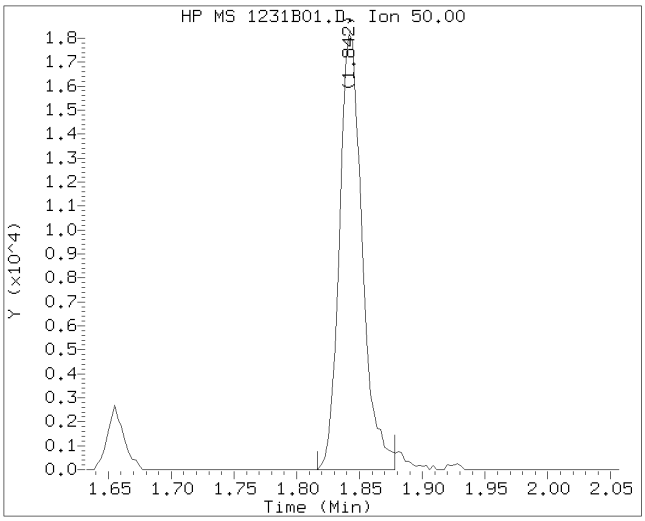
Alpha Analytical Labs

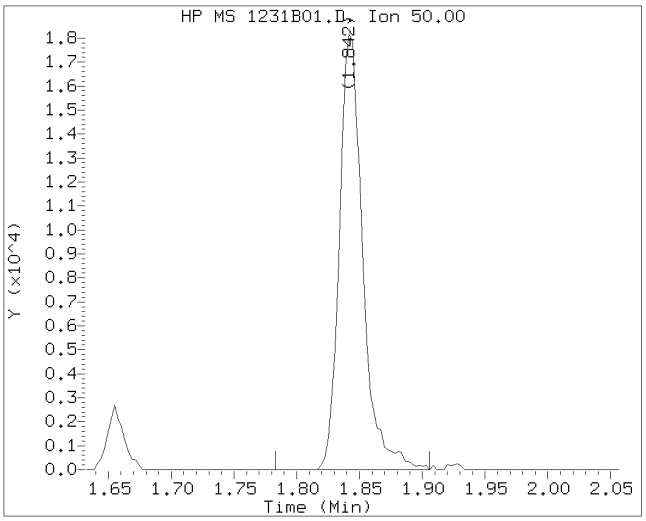
Manual Integration

Sample Info : wg853951-7, ccal
wg853951,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1231B01.D
Injection Date : 31-DEC-2015 09:40
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 2: chloromethane

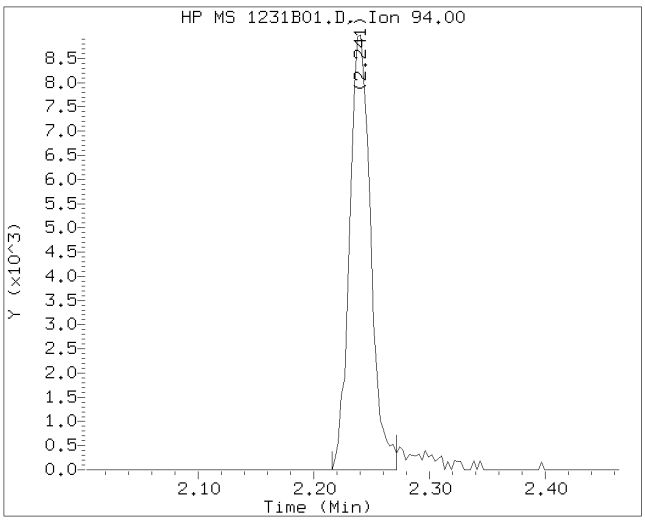


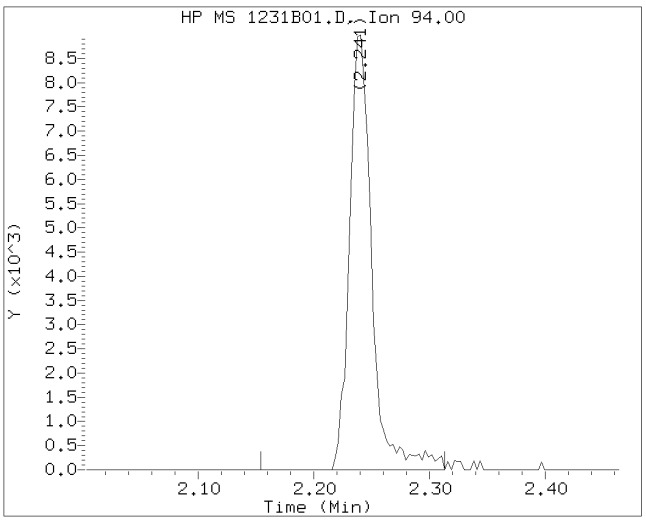


Original Peak Response = 23233 Manual Peak Response = 23749 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 4: bromomethane





Original Peak Response = 11482 Manual Peak Response = 12187 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

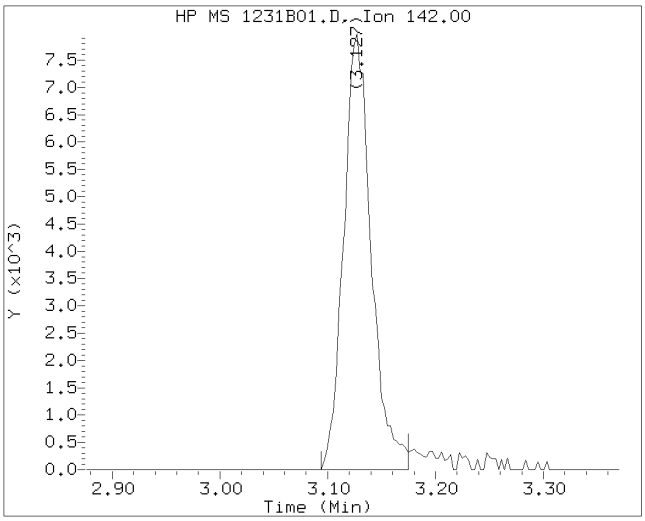
Alpha Analytical Labs

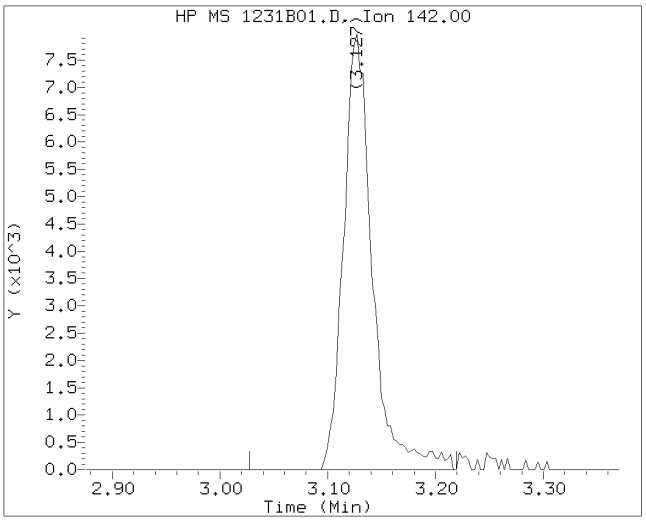
Manual Integration

Sample Info : wg854-1,31,10
wg854,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1231B01.D
Injection Date : 31-DEC-2015 09:40
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 12: iodomethane

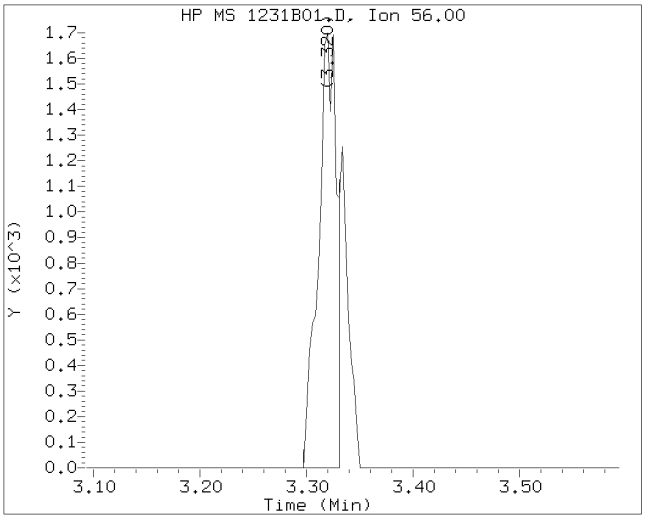


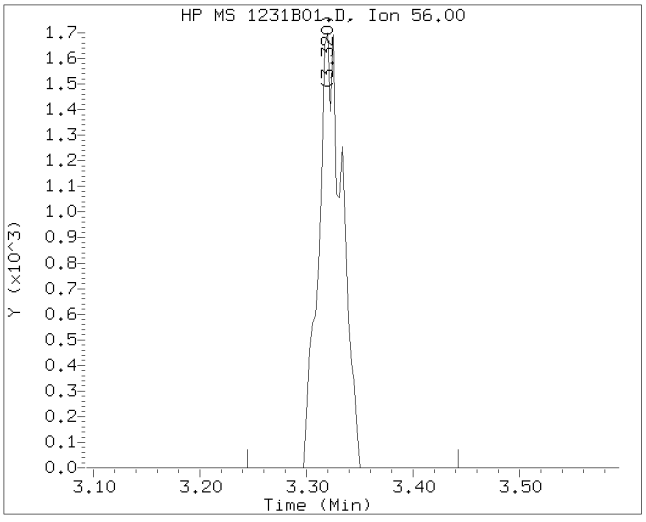


Original Peak Response = 14319 Manual Peak Response = 14968 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 13: acrolein





Original Peak Response = 2060 Manual Peak Response = 2671 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

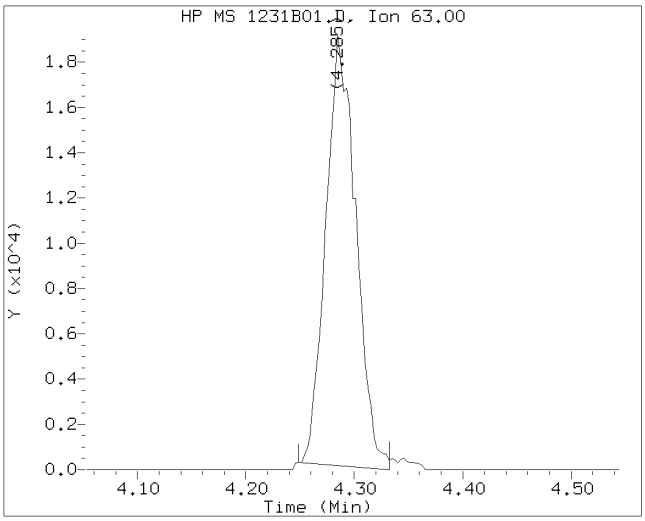
Alpha Analytical Labs

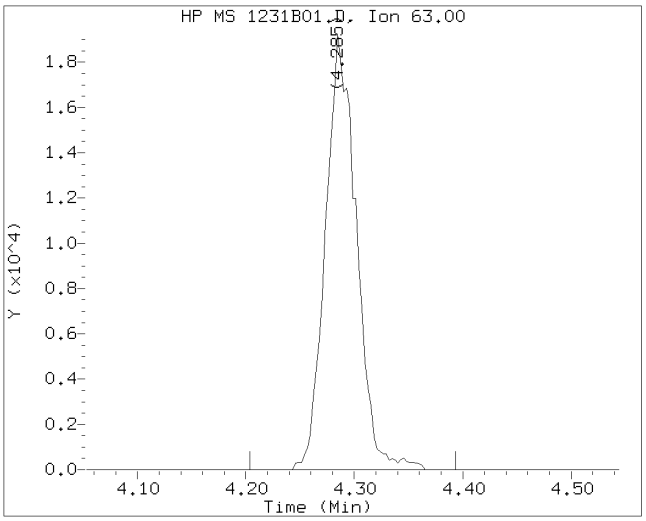
Manual Integration

Sample Info : wg854-1,31,10
wg854,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1231B01.D
Injection Date : 31-DEC-2015 09:40
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 22: 1,1-dichloroethane

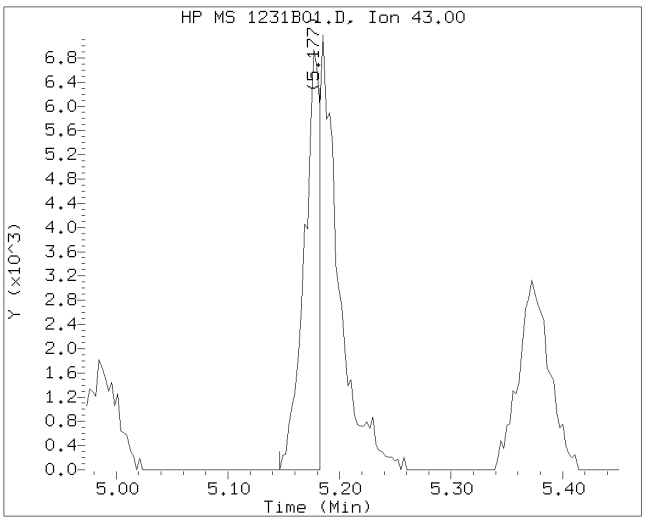


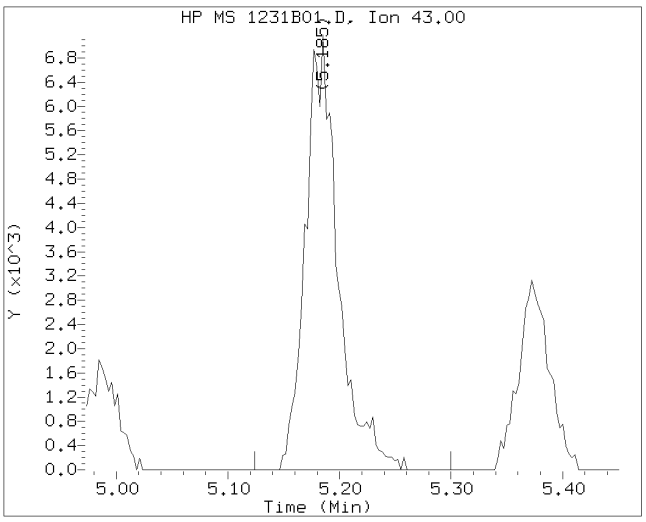


Original Peak Response = 36496 Manual Peak Response = 38034 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 32: Ethyl Acetate





Original Peak Response = 6944 Manual Peak Response = 14603 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

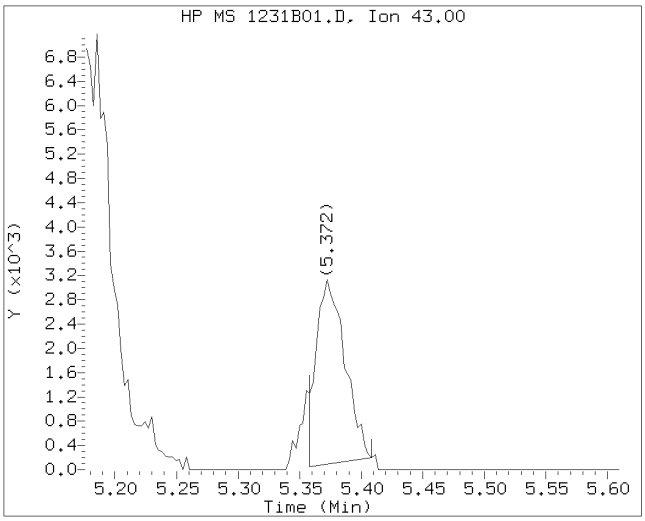
Alpha Analytical Labs

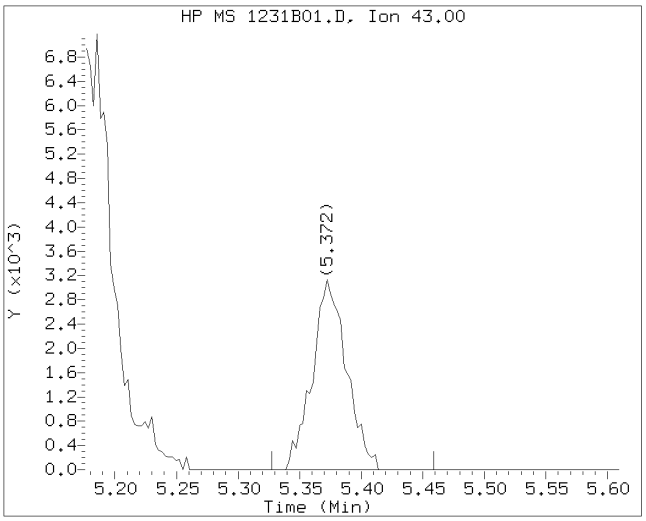
Manual Integration

Sample Info : wg854-1,31,10
wg854,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1231B01.D
Injection Date : 31-DEC-2015 09:40
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 38: 2-butanone

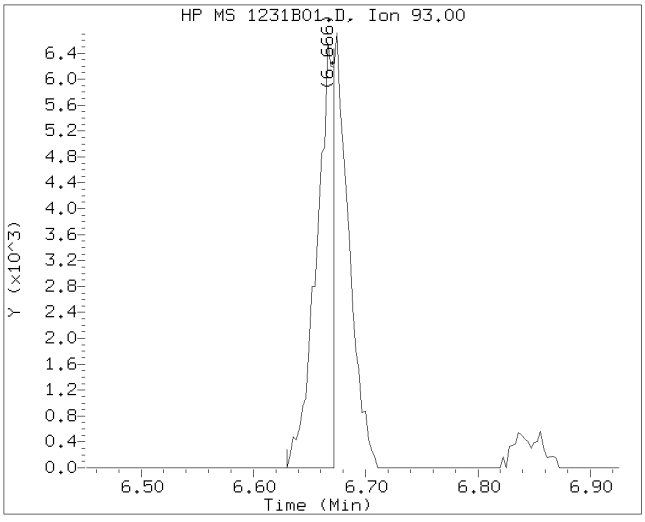


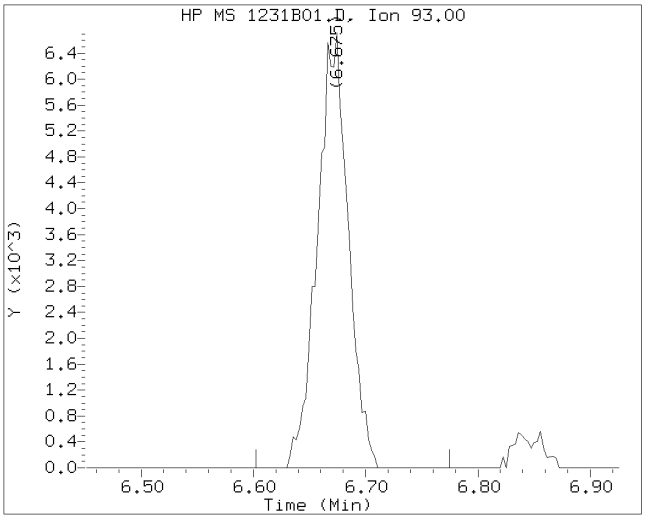


Original Peak Response = 4969 Manual Peak Response = 6050 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 50: dibromomethane





Original Peak Response = 7306 Manual Peak Response = 12855 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

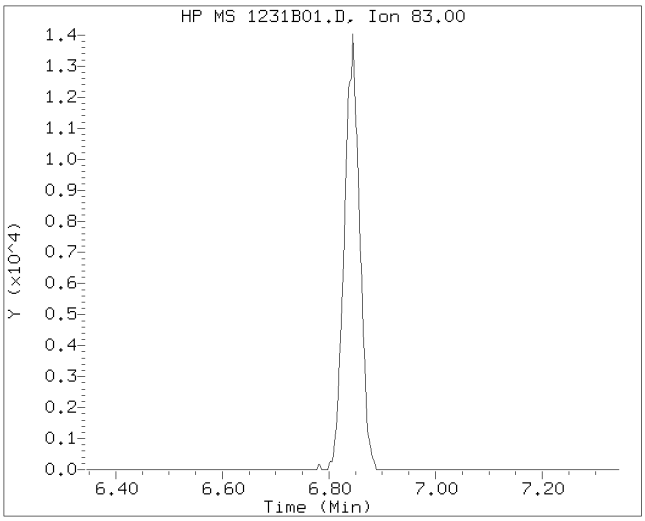
Alpha Analytical Labs

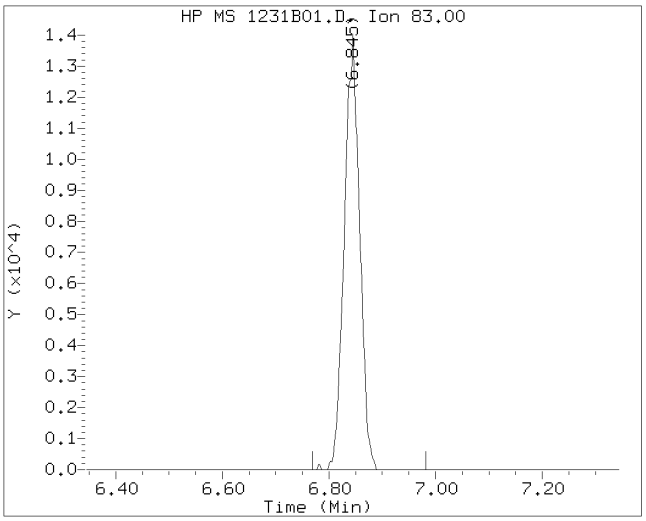
Manual Integration

Sample Info : wg854-1,31,10
wg854,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1231B01.D
Injection Date : 31-DEC-2015 09:40
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 53: bromodichloromethane

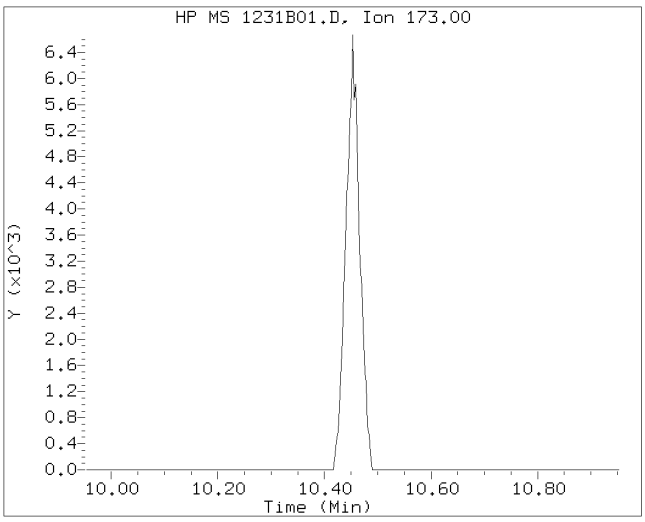


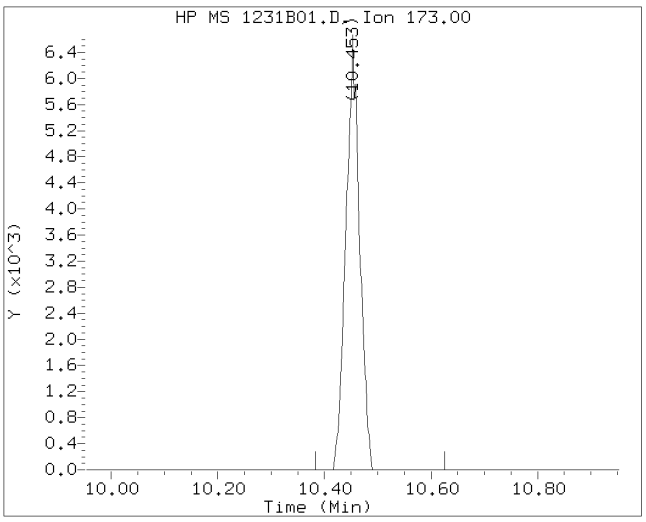


Original Peak Response = 0 Manual Peak Response = 28148 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 79: bromoform





Original Peak Response = 0 Manual Peak Response = 11926 M2

M2 = Peak not found by automatic integration algorithm.

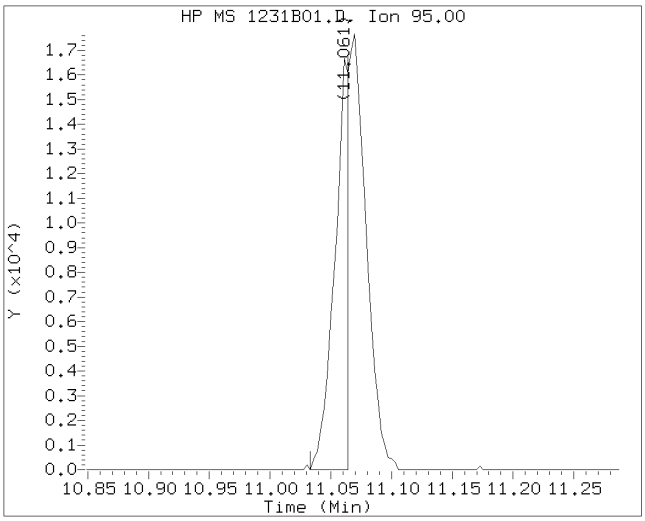
Alpha Analytical Labs

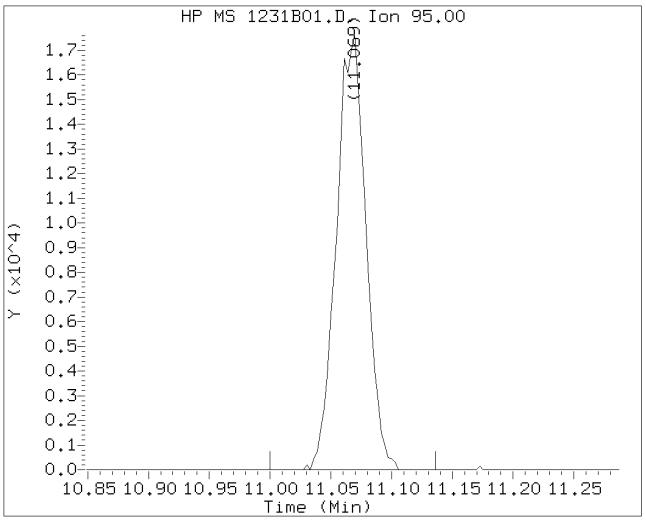
Manual Integration

Sample Info : wg854-1,31,10
wg854,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1231B01.D
Injection Date : 31-DEC-2015 09:40
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 81: 4-bromofluorobenzene

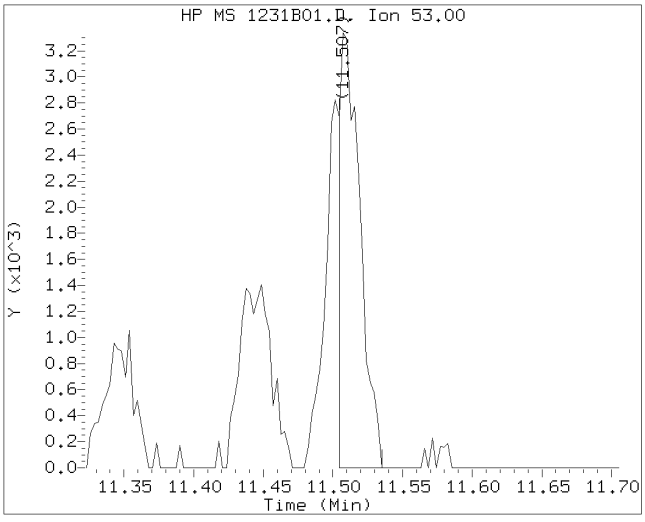


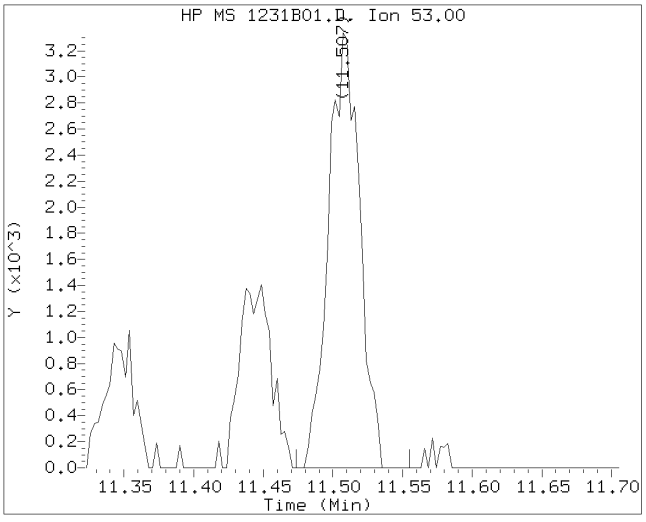


Original Peak Response = 13325 Manual Peak Response = 29981 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 91: trans-1,4-dichloro-2-butene





Original Peak Response = 3519 Manual Peak Response = 5219 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

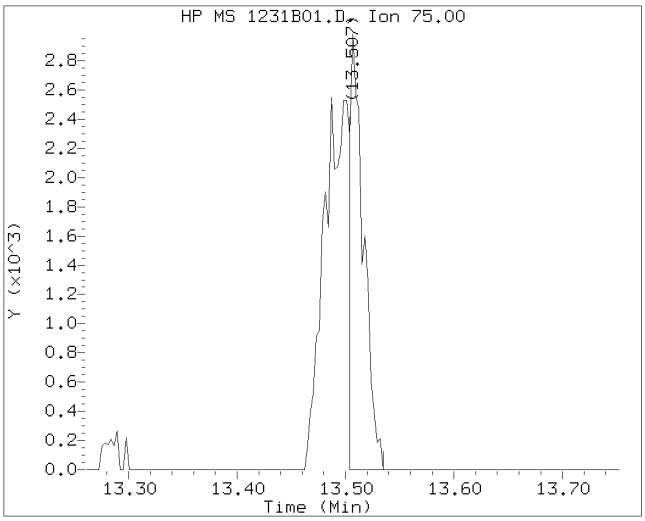
Alpha Analytical Labs

Manual Integration

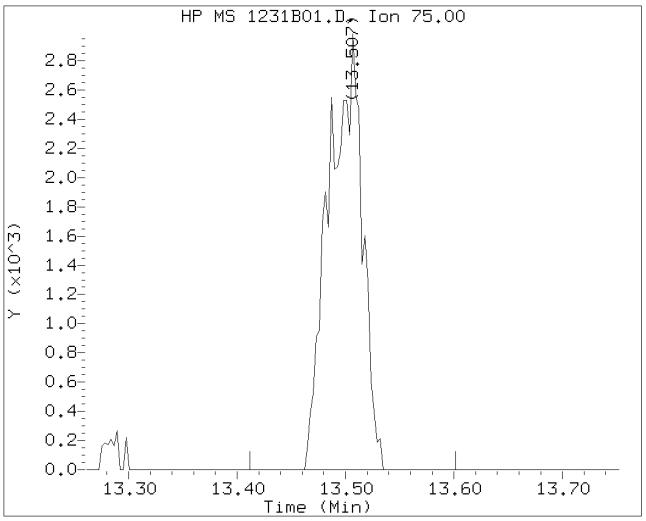
Sample Info : wg854-1,31,10
wg854,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1231B01.D
Injection Date : 31-DEC-2015 09:40
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 104: 1,2-dibromo-3-chloropropane



Original Peak Response = 2677



Manual Peak Response = 6377 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Sample Raw Data

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B08.D
Lab Smp Id:
Inj Date : 31-DEC-2015 12:47
Operator : PD Inst ID: Voa108.i
Smp Info : l1533592-07,31,10,,c
Misc Info : wg853951,ical11667
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Meth Date : 31-Dec-2015 13:17 Voa108.i Quant Type: ISTD
Cal Date : 07-NOV-2015 22:27 Cal File: 1107A10.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	Compound Not Detected.						
	2 chloromethane	50	Compound Not Detected.						
	3 vinyl chloride	62	Compound Not Detected.						
	4 bromomethane	94	Compound Not Detected.						
	5 chloroethane	64	Compound Not Detected.						
	6 trichlorofluoromethane	101	Compound Not Detected.						
	9 1,1,-dichloroethene	96	Compound Not Detected.						
	11 freon-113	101	Compound Not Detected.						
	10 carbon disulfide	76	Compound Not Detected.						
	15 methylene chloride	84	Compound Not Detected.						
	16 acetone	43	Compound Not Detected.						
	17 trans-1,2-dichloroethene	96	Compound Not Detected.						
	18 Methyl Acetate	43	Compound Not Detected.						
	19 methyl tert butyl ether	73	Compound Not Detected.						
	22 1,1-dichloroethane	63	Compound Not Detected.						
	26 vinyl acetate	43	Compound Not Detected.						
	27 cis-1,2-dichloroethene	96	Compound Not Detected.						
	29 bromochloromethane	128	Compound Not Detected.						
	30 Cyclohexane	56	Compound Not Detected.						
	31 chloroform	83	Compound Not Detected.						
	33 carbontetrachloride	117	Compound Not Detected.						
$	36 dibromofluoromethane	113	5.243	5.246	(0.866)	21065	105.254	10.525	
	37 1,1,1-trichloroethane	97	Compound Not Detected.						
	38 2-butanone	43	Compound Not Detected.						
	40 benzene	78	Compound Not Detected.						
$	42 1,2-dichloroethane-d4	65	5.773	5.776	(0.954)	20748	95.6070	9.560	
	43 1,2-dichloroethane	62	Compound Not Detected.						
*	46 flourobenzene	96	6.052	6.052	(1.000)	73196	100.000		
	47 methyl cyclohexane	83	Compound Not Detected.						
	48 trichloroethene	95	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	52 1,2-dichloropropane	63	Compound Not Detected.						
	53 bromodichloromethane	83	Compound Not Detected.						
	57 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	58 toluene-d8	98	7.739	7.739	(0.808)	70512	103.045	10.304	
	59 toluene	92	Compound Not Detected.						
	60 4-methyl-2-pentanone	58	Compound Not Detected.						
	61 tetrachloroethene	166	Compound Not Detected.						
	62 trans-1,3-dichloropropene	75	Compound Not Detected.						
	66 1,1,2-trichloroethane	83	Compound Not Detected.						
	67 chlorodibromomethane	129	Compound Not Detected.						
	70 1,2-dibromoethane	107	Compound Not Detected.						
	71 2-hexanone	43	Compound Not Detected.						
*	72 chlorobenzene-d5	117	9.577	9.580	(1.000)	56093	100.000		
	73 chlorobenzene	112	Compound Not Detected.						
	74 ethyl benzene	91	Compound Not Detected.						
	76 p/m xylene	106	Compound Not Detected.						
	77 o xylene	106	Compound Not Detected.						
	78 styrene	104	Compound Not Detected.						
	79 bromoform	173	Compound Not Detected.						
	80 isopropylbenzene	105	Compound Not Detected.						
$	81 4-bromofluorobenzene	95	11.066	11.069	(0.902)	20301	103.559	10.355	
	85 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
	97 1,3-dichlorobenzene	146	Compound Not Detected.						
*	98 1,4-dichlorobenzene-d4	152	12.268	12.268	(1.000)	24244	100.000		
	99 1,4-dichlorobenzene	146	Compound Not Detected.						
	102 1,2-dichlorobenzene	146	Compound Not Detected.						
	104 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	107 1,2,4-trichlorobenzene	180	Compound Not Detected.						
	109 1,2,3-trichlorobenzene	180	Compound Not Detected.						

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Lab File ID: 1231B08.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Misc Info: wg853951,ical11667

Calibration Date: 31-DEC-2015
Calibration Time: 09:40
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	95986	47993	191972	73196	-23.74
72 chlorobenzene-d5	74653	37327	149306	56093	-24.86
98 1,4-dichlorobenze	39175	19588	78350	24244	-38.11

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	6.05	5.55	6.55	6.05	-0.00
72 chlorobenzene-d5	9.58	9.08	10.08	9.58	-0.03
98 1,4-dichlorobenze	12.27	11.77	12.77	12.27	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

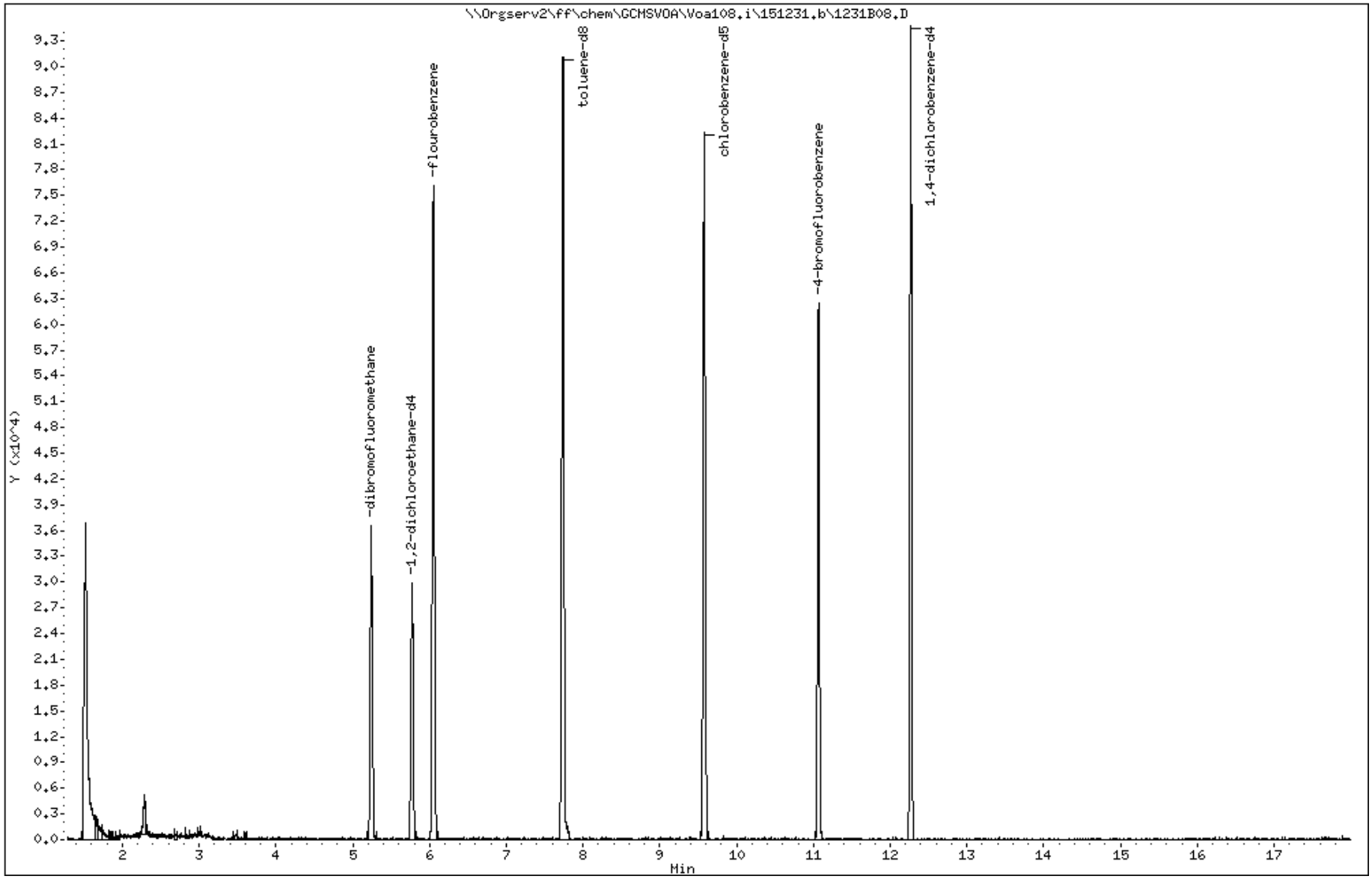
RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Misc Info: wg853951,ical11667

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 36 dibromofluorometha	100.000	105.254	105.25	70-130
$ 42 1,2-dichloroethane	100.000	95.606	95.61	70-130
$ 58 toluene-d8	100.000	103.044	103.04	70-130
$ 81 4-bromofluorobenze	100.000	103.559	103.56	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B08.D
Date : 31-DEC-2015 12:47
Client ID:
Sample Info: 11533592-07,31,10,,c
Purge Volume: 10.0
Column phase:

Instrument: Voa108.i
Operator: PD
Column diameter: 0.18



Manual Integration

Sample Info : l1533592-07,31,10,,c
wg853951,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1231B08.D
Injection Date : 31-DEC-2015 12:47
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

There are no manual integrations in this file.

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B09.D
Lab Smp Id:
Inj Date : 31-DEC-2015 13:15
Operator : PD Inst ID: Voa108.i
Smp Info : l1533592-08,31,10,,a
Misc Info : wg853951,ical11667
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Meth Date : 31-Dec-2015 13:17 Voa108.i Quant Type: ISTD
Cal Date : 07-NOV-2015 22:27 Cal File: 1107A10.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: VIRTUALXP-38517

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	Compound Not Detected.						
	2 chloromethane	50	Compound Not Detected.						
	3 vinyl chloride	62	Compound Not Detected.						
	4 bromomethane	94	Compound Not Detected.						
	5 chloroethane	64	Compound Not Detected.						
	6 trichlorofluoromethane	101	Compound Not Detected.						
	9 1,1,-dichloroethene	96	Compound Not Detected.						
	11 freon-113	101	Compound Not Detected.						
	10 carbon disulfide	76	Compound Not Detected.						
	15 methylene chloride	84	Compound Not Detected.						
	16 acetone	43	Compound Not Detected.						
	17 trans-1,2-dichloroethene	96	Compound Not Detected.						
	18 Methyl Acetate	43	Compound Not Detected.						
	19 methyl tert butyl ether	73	Compound Not Detected.						
	22 1,1-dichloroethane	63	Compound Not Detected.						
	26 vinyl acetate	43	Compound Not Detected.						
	27 cis-1,2-dichloroethene	96	Compound Not Detected.						
	29 bromochloromethane	128	Compound Not Detected.						
	30 Cyclohexane	56	Compound Not Detected.						
	31 chloroform	83	Compound Not Detected.						
	33 carbontetrachloride	117	Compound Not Detected.						
$	36 dibromofluoromethane	113	5.238	5.246	(0.865)	21100	107.596	10.759	
	37 1,1,1-trichloroethane	97	Compound Not Detected.						
	38 2-butanone	43	Compound Not Detected.						
	40 benzene	78	Compound Not Detected.						
$	42 1,2-dichloroethane-d4	65	5.771	5.776	(0.953)	20775	97.6988	9.769	
	43 1,2-dichloroethane	62	Compound Not Detected.						
*	46 flourobenzene	96	6.052	6.052	(1.000)	71722	100.000		
	47 methyl cyclohexane	83	Compound Not Detected.						
	48 trichloroethene	95	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	52 1,2-dichloropropane	63	Compound Not Detected.						
	53 bromodichloromethane	83	Compound Not Detected.						
	57 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	58 toluene-d8	98	7.739	7.739	(0.808)	68233	100.760	10.075	
	59 toluene	92	Compound Not Detected.						
	60 4-methyl-2-pentanone	58	Compound Not Detected.						
	61 tetrachloroethene	166	Compound Not Detected.						
	62 trans-1,3-dichloropropene	75	Compound Not Detected.						
	66 1,1,2-trichloroethane	83	Compound Not Detected.						
	67 chlorodibromomethane	129	Compound Not Detected.						
	70 1,2-dibromoethane	107	Compound Not Detected.						
	71 2-hexanone	43	Compound Not Detected.						
*	72 chlorobenzene-d5	117	9.580	9.580	(1.000)	55511	100.000		
	73 chlorobenzene	112	Compound Not Detected.						
	74 ethyl benzene	91	Compound Not Detected.						
	76 p/m xylene	106	Compound Not Detected.						
	77 o xylene	106	Compound Not Detected.						
	78 styrene	104	Compound Not Detected.						
	79 bromoform	173	Compound Not Detected.						
	80 isopropylbenzene	105	Compound Not Detected.						
$	81 4-bromofluorobenzene	95	11.066	11.069	(0.902)	19999	104.945	10.494	
	85 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
	97 1,3-dichlorobenzene	146	Compound Not Detected.						
*	98 1,4-dichlorobenzene-d4	152	12.268	12.268	(1.000)	23568	100.000		
	99 1,4-dichlorobenzene	146	Compound Not Detected.						
	102 1,2-dichlorobenzene	146	Compound Not Detected.						
	104 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	107 1,2,4-trichlorobenzene	180	Compound Not Detected.						
	109 1,2,3-trichlorobenzene	180	Compound Not Detected.						

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Lab File ID: 1231B09.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Misc Info: wg853951,ical11667

Calibration Date: 31-DEC-2015
Calibration Time: 09:40
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	95986	47993	191972	71722	-25.28
72 chlorobenzene-d5	74653	37327	149306	55511	-25.64
98 1,4-dichlorobenze	39175	19588	78350	23568	-39.84

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	6.05	5.55	6.55	6.05	0.00
72 chlorobenzene-d5	9.58	9.08	10.08	9.58	0.00
98 1,4-dichlorobenze	12.27	11.77	12.77	12.27	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

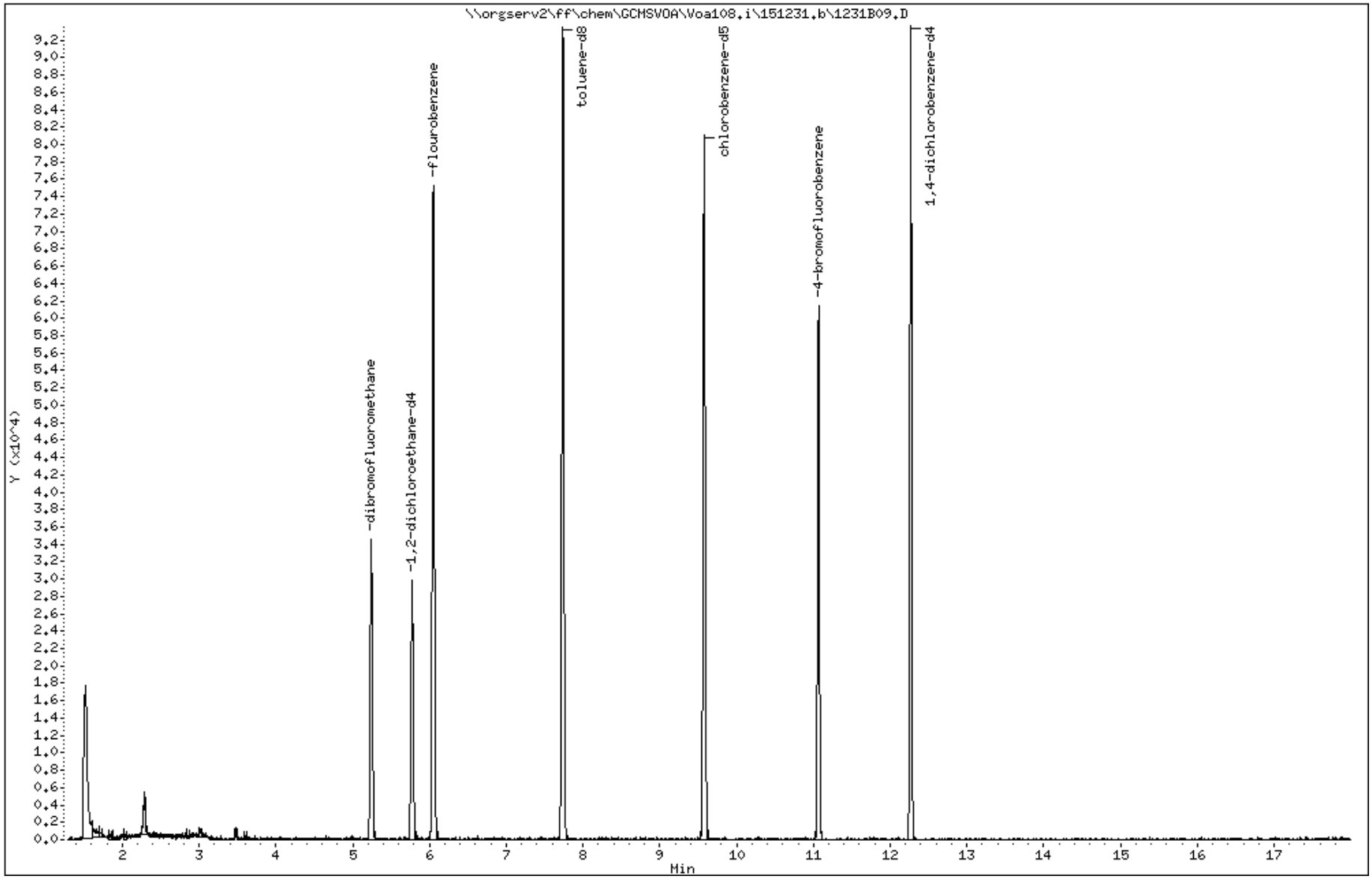
Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Misc Info: wg853951,ical11667

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 36 dibromofluorometha	100.000	107.595	107.60	70-130
$ 42 1,2-dichloroethane	100.000	97.698	97.70	70-130
$ 58 toluene-d8	100.000	100.759	100.76	70-130
$ 81 4-bromofluorobenze	100.000	104.944	104.94	70-130

Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B09.D
Date : 31-DEC-2015 13:15
Client ID:
Instrument: Voa108.i
Sample Info: 11533592-08,31,10,,a
Purge Volume: 10.0
Operator: PD
Column phase:
Column diameter: 0.18



Manual Integration

Sample Info : l1533592-08,31,10,,a
wg853951,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1231B09.D
Injection Date : 31-DEC-2015 13:15
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

There are no manual integrations in this file.

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B10.D
Lab Smp Id:
Inj Date : 31-DEC-2015 13:44
Operator : MS Inst ID: Voa108.i
Smp Info : l1533592-09,31,10,,a
Misc Info : wg853951,ical11667
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Meth Date : 31-Dec-2015 13:17 Voa108.i Quant Type: ISTD
Cal Date : 07-NOV-2015 22:27 Cal File: 1107A10.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: VIRTUALXP-38517

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	Compound Not Detected.						
	2 chloromethane	50	Compound Not Detected.						
	3 vinyl chloride	62	Compound Not Detected.						
	4 bromomethane	94	Compound Not Detected.						
	5 chloroethane	64	Compound Not Detected.						
	6 trichlorofluoromethane	101	Compound Not Detected.						
	9 1,1,-dichloroethene	96	Compound Not Detected.						
	11 freon-113	101	Compound Not Detected.						
	10 carbon disulfide	76	Compound Not Detected.						
	15 methylene chloride	84	Compound Not Detected.						
	16 acetone	43	Compound Not Detected.						
	17 trans-1,2-dichloroethene	96	Compound Not Detected.						
	18 Methyl Acetate	43	Compound Not Detected.						
	19 methyl tert butyl ether	73	Compound Not Detected.						
	22 1,1-dichloroethane	63	Compound Not Detected.						
	26 vinyl acetate	43	Compound Not Detected.						
	27 cis-1,2-dichloroethene	96	Compound Not Detected.						
	29 bromochloromethane	128	Compound Not Detected.						
	30 Cyclohexane	56	Compound Not Detected.						
	31 chloroform	83	Compound Not Detected.						
	33 carbontetrachloride	117	Compound Not Detected.						
$	36 dibromofluoromethane	113	5.241	5.246	(0.866)	19991	105.925	10.592	
	37 1,1,1-trichloroethane	97	Compound Not Detected.						
	38 2-butanone	43	Compound Not Detected.						
	40 benzene	78	Compound Not Detected.						
$	42 1,2-dichloroethane-d4	65	5.771	5.776	(0.953)	19613	95.8395	9.583	
	43 1,2-dichloroethane	62	Compound Not Detected.						
*	46 flourobenzene	96	6.052	6.052	(1.000)	69024	100.000		
	47 methyl cyclohexane	83	Compound Not Detected.						
	48 trichloroethene	95	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	52 1,2-dichloropropane	63	Compound Not Detected.						
	53 bromodichloromethane	83	Compound Not Detected.						
	57 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	58 toluene-d8	98	7.737	7.739	(0.808)	67444	103.311	10.331	
	59 toluene	92	Compound Not Detected.						
	60 4-methyl-2-pentanone	58	Compound Not Detected.						
	61 tetrachloroethene	166	Compound Not Detected.						
	62 trans-1,3-dichloropropene	75	Compound Not Detected.						
	66 1,1,2-trichloroethane	83	Compound Not Detected.						
	67 chlorodibromomethane	129	Compound Not Detected.						
	70 1,2-dibromoethane	107	Compound Not Detected.						
	71 2-hexanone	43	Compound Not Detected.						
*	72 chlorobenzene-d5	117	9.577	9.580	(1.000)	53514	100.000		
	73 chlorobenzene	112	Compound Not Detected.						
	74 ethyl benzene	91	Compound Not Detected.						
	76 p/m xylene	106	Compound Not Detected.						
	77 o xylene	106	Compound Not Detected.						
	78 styrene	104	Compound Not Detected.						
	79 bromoform	173	Compound Not Detected.						
	80 isopropylbenzene	105	Compound Not Detected.						
$	81 4-bromofluorobenzene	95	11.066	11.069	(0.902)	18283	97.4912	9.749	
	85 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
	97 1,3-dichlorobenzene	146	Compound Not Detected.						
*	98 1,4-dichlorobenzene-d4	152	12.268	12.268	(1.000)	23193	100.000		
	99 1,4-dichlorobenzene	146	Compound Not Detected.						
	102 1,2-dichlorobenzene	146	Compound Not Detected.						
	104 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	107 1,2,4-trichlorobenzene	180	Compound Not Detected.						
	109 1,2,3-trichlorobenzene	180	Compound Not Detected.						

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Lab File ID: 1231B10.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: MS
Method File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Misc Info: wg853951,ical11667

Calibration Date: 31-DEC-2015
Calibration Time: 09:40
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	95986	47993	191972	69024	-28.09
72 chlorobenzene-d5	74653	37327	149306	53514	-28.32
98 1,4-dichlorobenze	39175	19588	78350	23193	-40.80

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	6.05	5.55	6.55	6.05	-0.00
72 chlorobenzene-d5	9.58	9.08	10.08	9.58	-0.03
98 1,4-dichlorobenze	12.27	11.77	12.77	12.27	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

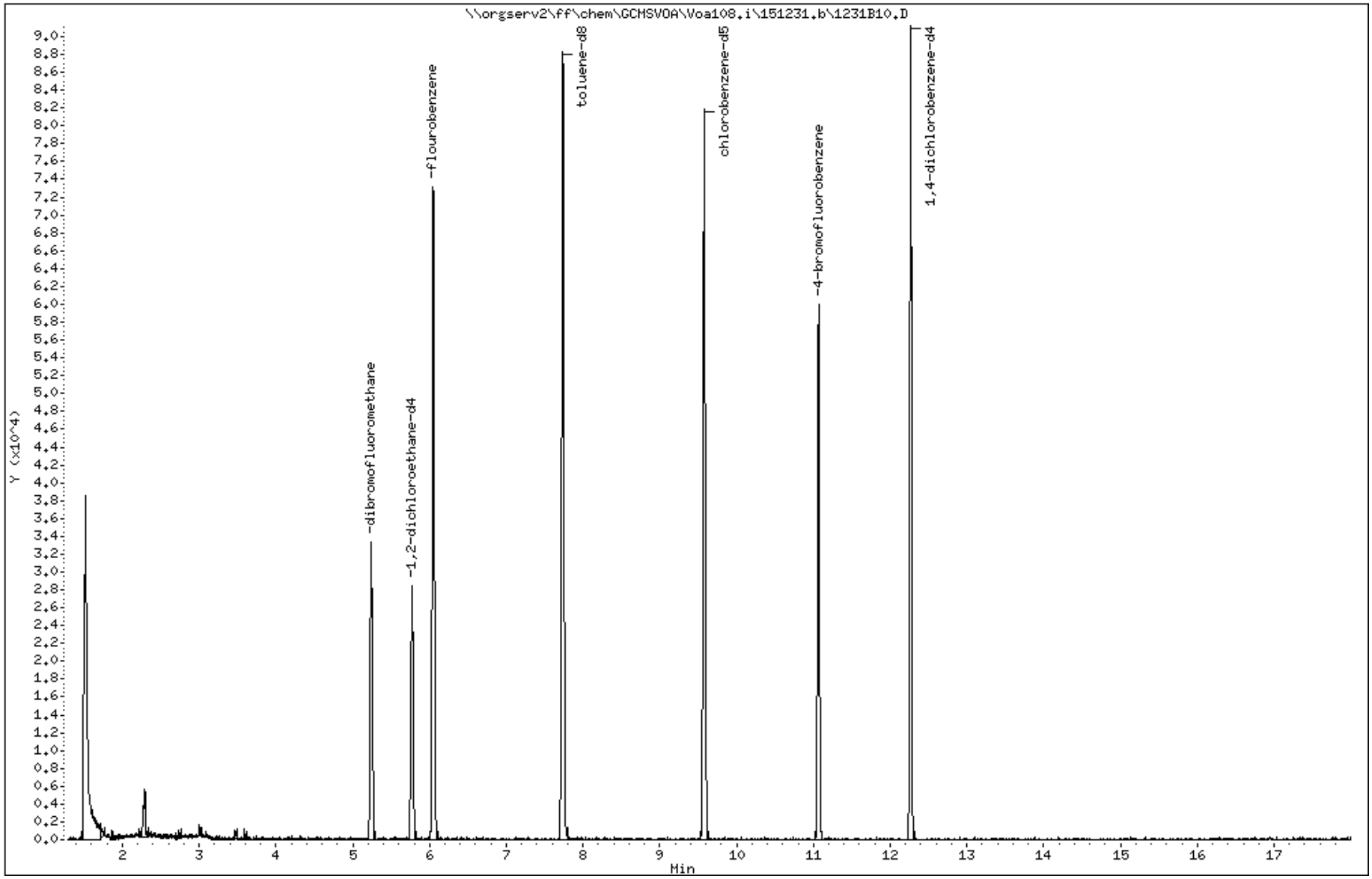
RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: MS
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Misc Info: wg853951,ical11667

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 36 dibromofluorometha	100.000	105.925	105.93	70-130
$ 42 1,2-dichloroethane	100.000	95.839	95.84	70-130
$ 58 toluene-d8	100.000	103.311	103.31	70-130
$ 81 4-bromofluorobenze	100.000	97.491	97.49	70-130

Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B10.D
Date : 31-DEC-2015 13:44
Client ID:
Sample Info: 11533592-09,31,10,,a
Purge Volume: 10.0
Column phase:

Instrument: Voa108.i
Operator: MS
Column diameter: 0.18



Manual Integration

Sample Info : l1533592-09,31,10,,a
wg853951,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1231B10.D
Injection Date : 31-DEC-2015 13:44
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

There are no manual integrations in this file.

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B11.D
Lab Smp Id:
Inj Date : 31-DEC-2015 14:12
Operator : MS Inst ID: Voa108.i
Smp Info : l1533592-10,31,10,,a
Misc Info : wg853951,ical11667
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Meth Date : 31-Dec-2015 13:17 Voa108.i Quant Type: ISTD
Cal Date : 07-NOV-2015 22:27 Cal File: 1107A10.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: VIRTUALXP-38517

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	Compound Not Detected.						
	2 chloromethane	50	Compound Not Detected.						
	3 vinyl chloride	62	Compound Not Detected.						
	4 bromomethane	94	Compound Not Detected.						
	5 chloroethane	64	Compound Not Detected.						
	6 trichlorofluoromethane	101	Compound Not Detected.						
	9 1,1,-dichloroethene	96	Compound Not Detected.						
	11 freon-113	101	Compound Not Detected.						
	10 carbon disulfide	76	Compound Not Detected.						
	15 methylene chloride	84	Compound Not Detected.						
	16 acetone	43	Compound Not Detected.						
	17 trans-1,2-dichloroethene	96	Compound Not Detected.						
	18 Methyl Acetate	43	Compound Not Detected.						
	19 methyl tert butyl ether	73	Compound Not Detected.						
	22 1,1-dichloroethane	63	Compound Not Detected.						
	26 vinyl acetate	43	Compound Not Detected.						
	27 cis-1,2-dichloroethene	96	Compound Not Detected.						
	29 bromochloromethane	128	Compound Not Detected.						
	30 Cyclohexane	56	Compound Not Detected.						
	31 chloroform	83	Compound Not Detected.						
	33 carbontetrachloride	117	Compound Not Detected.						
$	36 dibromofluoromethane	113	5.243	5.246	(0.867)	19932	106.034	10.603(M)	M1
	37 1,1,1-trichloroethane	97	Compound Not Detected.						
	38 2-butanone	43	Compound Not Detected.						
	40 benzene	78	Compound Not Detected.						
$	42 1,2-dichloroethane-d4	65	5.768	5.776	(0.954)	19554	95.9320	9.593	
	43 1,2-dichloroethane	62	Compound Not Detected.						
*	46 flourobenzene	96	6.047	6.052	(1.000)	68750	100.000		
	47 methyl cyclohexane	83	Compound Not Detected.						
	48 trichloroethene	95	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	52 1,2-dichloropropane	63	Compound Not Detected.						
	53 bromodichloromethane	83	Compound Not Detected.						
	57 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	58 toluene-d8	98	7.736	7.739	(0.808)	66778	102.561	10.256	
	59 toluene	92	Compound Not Detected.						
	60 4-methyl-2-pentanone	58	Compound Not Detected.						
	61 tetrachloroethene	166	Compound Not Detected.						
	62 trans-1,3-dichloropropene	75	Compound Not Detected.						
	66 1,1,2-trichloroethane	83	Compound Not Detected.						
	67 chlorodibromomethane	129	Compound Not Detected.						
	70 1,2-dibromoethane	107	Compound Not Detected.						
	71 2-hexanone	43	Compound Not Detected.						
*	72 chlorobenzene-d5	117	9.580	9.580	(1.000)	53373	100.000		
	73 chlorobenzene	112	Compound Not Detected.						
	74 ethyl benzene	91	Compound Not Detected.						
	76 p/m xylene	106	Compound Not Detected.						
	77 o xylene	106	Compound Not Detected.						
	78 styrene	104	Compound Not Detected.						
	79 bromoform	173	Compound Not Detected.						
	80 isopropylbenzene	105	Compound Not Detected.						
$	81 4-bromofluorobenzene	95	11.069	11.069	(0.902)	18736	103.066	10.306	
	85 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
	97 1,3-dichlorobenzene	146	Compound Not Detected.						
*	98 1,4-dichlorobenzene-d4	152	12.265	12.268	(1.000)	22482	100.000		
	99 1,4-dichlorobenzene	146	Compound Not Detected.						
	102 1,2-dichlorobenzene	146	Compound Not Detected.						
	104 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	107 1,2,4-trichlorobenzene	180	Compound Not Detected.						
	109 1,2,3-trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Lab File ID: 1231B11.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: MS
Method File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Misc Info: wg853951,ical11667

Calibration Date: 31-DEC-2015
Calibration Time: 09:40
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	95986	47993	191972	68750	-28.37
72 chlorobenzene-d5	74653	37327	149306	53373	-28.51
98 1,4-dichlorobenze	39175	19588	78350	22482	-42.61

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	6.05	5.55	6.55	6.05	-0.09
72 chlorobenzene-d5	9.58	9.08	10.08	9.58	-0.00
98 1,4-dichlorobenze	12.27	11.77	12.77	12.27	-0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

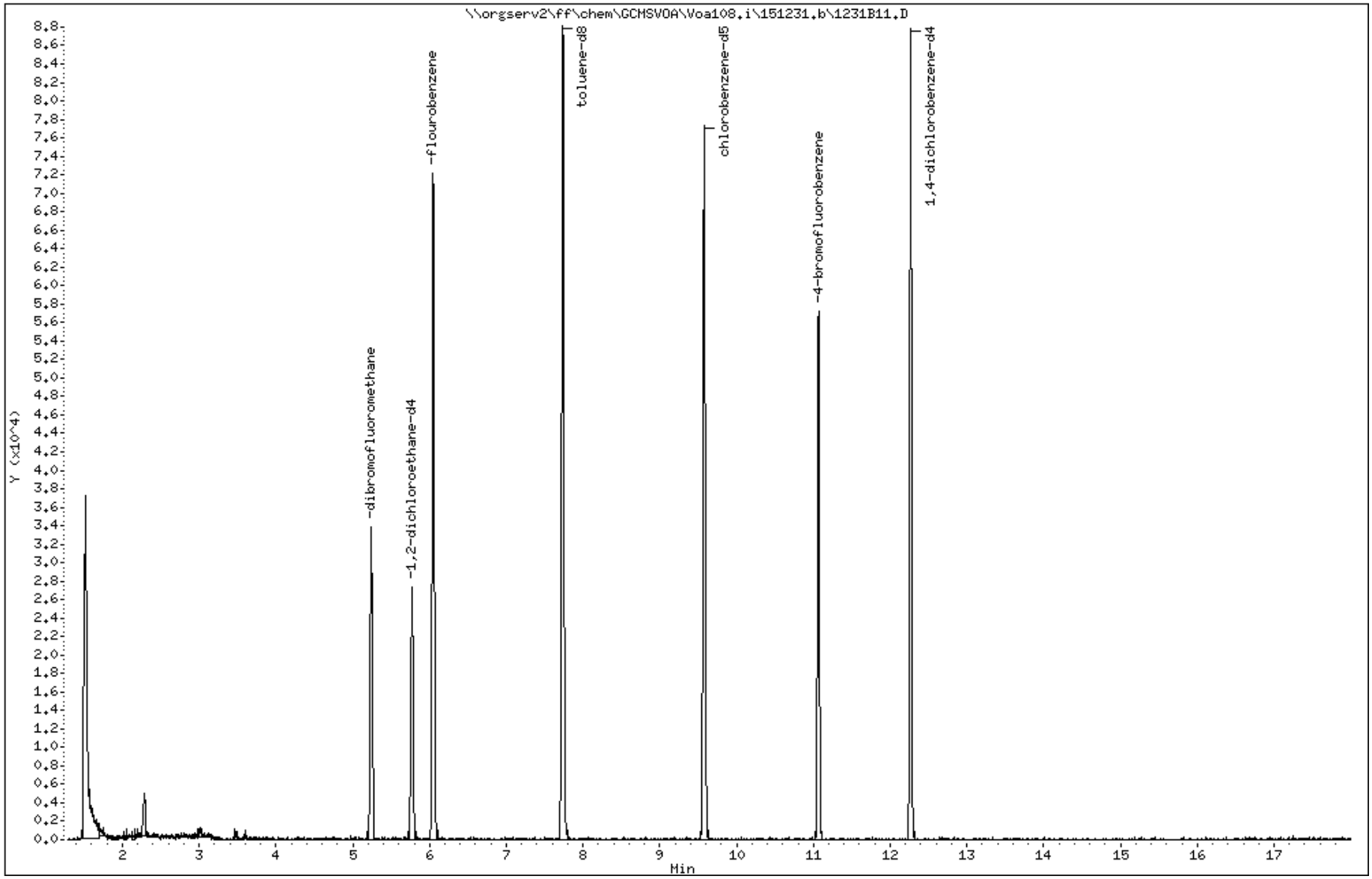
RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: MS
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Misc Info: wg853951,ical11667

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 36 dibromofluorometha	100.000	106.033	106.03	70-130
$ 42 1,2-dichloroethane	100.000	95.932	95.93	70-130
$ 58 toluene-d8	100.000	102.561	102.56	70-130
$ 81 4-bromofluorobenze	100.000	103.066	103.07	70-130

Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B11.D
Date : 31-DEC-2015 14:12
Client ID:
Sample Info: 11533592-10,31,10,,a
Purge Volume: 10.0
Column phase:

Instrument: Voa108.i
Operator: MS
Column diameter: 0.18



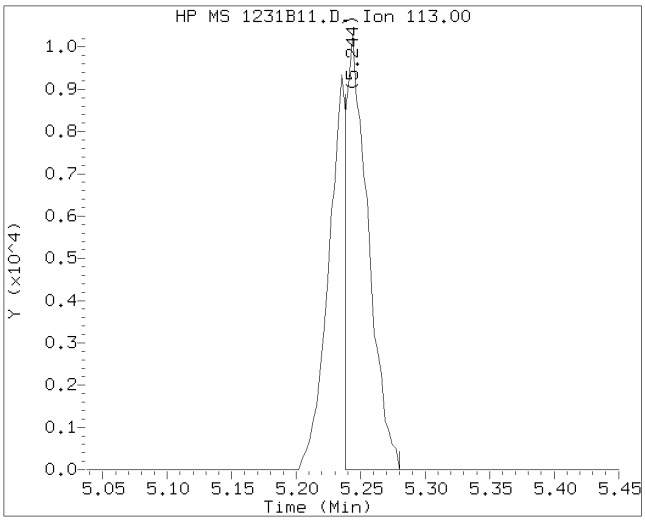
Alpha Analytical Labs

Manual Integration

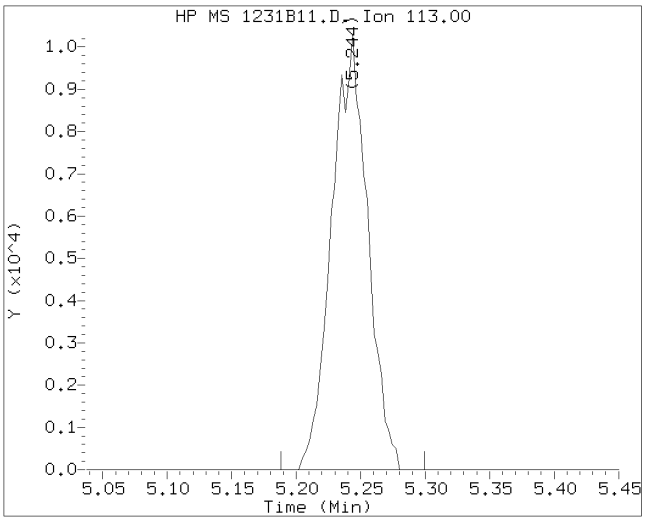
Sample Info : l1533592-10,31,10,,a
wg853951,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1231B11.D
Injection Date : 31-DEC-2015 14:12
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

Compound # 36: dibromofluoromethane



Original Peak Response = 12455



Manual Peak Response = 19932 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B12.D
Lab Smp Id:
Inj Date : 31-DEC-2015 14:40
Operator : MS Inst ID: Voa108.i
Smp Info : l1533592-11,31,10,,a
Misc Info : wg853951,ical11667
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Meth Date : 31-Dec-2015 13:17 Voa108.i Quant Type: ISTD
Cal Date : 07-NOV-2015 22:27 Cal File: 1107A10.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: VIRTUALXP-38517

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	Compound Not Detected.						
	2 chloromethane	50	Compound Not Detected.						
	3 vinyl chloride	62	Compound Not Detected.						
	4 bromomethane	94	Compound Not Detected.						
	5 chloroethane	64	Compound Not Detected.						
	6 trichlorofluoromethane	101	Compound Not Detected.						
	9 1,1,-dichloroethene	96	Compound Not Detected.						
	11 freon-113	101	Compound Not Detected.						
	10 carbon disulfide	76	Compound Not Detected.						
	15 methylene chloride	84	Compound Not Detected.						
	16 acetone	43	Compound Not Detected.						
	17 trans-1,2-dichloroethene	96	Compound Not Detected.						
	18 Methyl Acetate	43	Compound Not Detected.						
	19 methyl tert butyl ether	73	Compound Not Detected.						
	22 1,1-dichloroethane	63	Compound Not Detected.						
	26 vinyl acetate	43	Compound Not Detected.						
	27 cis-1,2-dichloroethene	96	Compound Not Detected.						
	29 bromochloromethane	128	Compound Not Detected.						
	30 Cyclohexane	56	Compound Not Detected.						
	31 chloroform	83	Compound Not Detected.						
	33 carbontetrachloride	117	Compound Not Detected.						
$	36 dibromofluoromethane	113	5.238	5.246	(0.866)	19890	108.333	10.833	
	37 1,1,1-trichloroethane	97	Compound Not Detected.						
	38 2-butanone	43	Compound Not Detected.						
	40 benzene	78	Compound Not Detected.						
$	42 1,2-dichloroethane-d4	65	5.776	5.776	(0.955)	18992	95.3964	9.539	
	43 1,2-dichloroethane	62	Compound Not Detected.						
*	46 flourobenzene	96	6.049	6.052	(1.000)	67149	100.000		
	47 methyl cyclohexane	83	Compound Not Detected.						
	48 trichloroethene	95	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	52 1,2-dichloropropane	63	Compound Not Detected.						
	53 bromodichloromethane	83	Compound Not Detected.						
	57 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	58 toluene-d8	98	7.737	7.739	(0.808)	65194	101.852	10.185	
	59 toluene	92	Compound Not Detected.						
	60 4-methyl-2-pentanone	58	Compound Not Detected.						
	61 tetrachloroethene	166	Compound Not Detected.						
	62 trans-1,3-dichloropropene	75	Compound Not Detected.						
	66 1,1,2-trichloroethane	83	Compound Not Detected.						
	67 chlorodibromomethane	129	Compound Not Detected.						
	70 1,2-dibromoethane	107	Compound Not Detected.						
	71 2-hexanone	43	Compound Not Detected.						
*	72 chlorobenzene-d5	117	9.577	9.580	(1.000)	52470	100.000		
	73 chlorobenzene	112	Compound Not Detected.						
	74 ethyl benzene	91	Compound Not Detected.						
	76 p/m xylene	106	Compound Not Detected.						
	77 o xylene	106	Compound Not Detected.						
	78 styrene	104	Compound Not Detected.						
	79 bromoform	173	Compound Not Detected.						
	80 isopropylbenzene	105	Compound Not Detected.						
$	81 4-bromofluorobenzene	95	11.069	11.069	(0.902)	17943	105.254	10.525	
	85 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
	97 1,3-dichlorobenzene	146	Compound Not Detected.						
*	98 1,4-dichlorobenzene-d4	152	12.268	12.268	(1.000)	21083	100.000		
	99 1,4-dichlorobenzene	146	Compound Not Detected.						
	102 1,2-dichlorobenzene	146	Compound Not Detected.						
	104 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	107 1,2,4-trichlorobenzene	180	Compound Not Detected.						
	109 1,2,3-trichlorobenzene	180	Compound Not Detected.						

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Lab File ID: 1231B12.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: MS
Method File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Misc Info: wg853951,ical11667

Calibration Date: 31-DEC-2015
Calibration Time: 09:40
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	95986	47993	191972	67149	-30.04
72 chlorobenzene-d5	74653	37327	149306	52470	-29.71
98 1,4-dichlorobenze	39175	19588	78350	21083	-46.18

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	6.05	5.55	6.55	6.05	-0.05
72 chlorobenzene-d5	9.58	9.08	10.08	9.58	-0.03
98 1,4-dichlorobenze	12.27	11.77	12.77	12.27	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

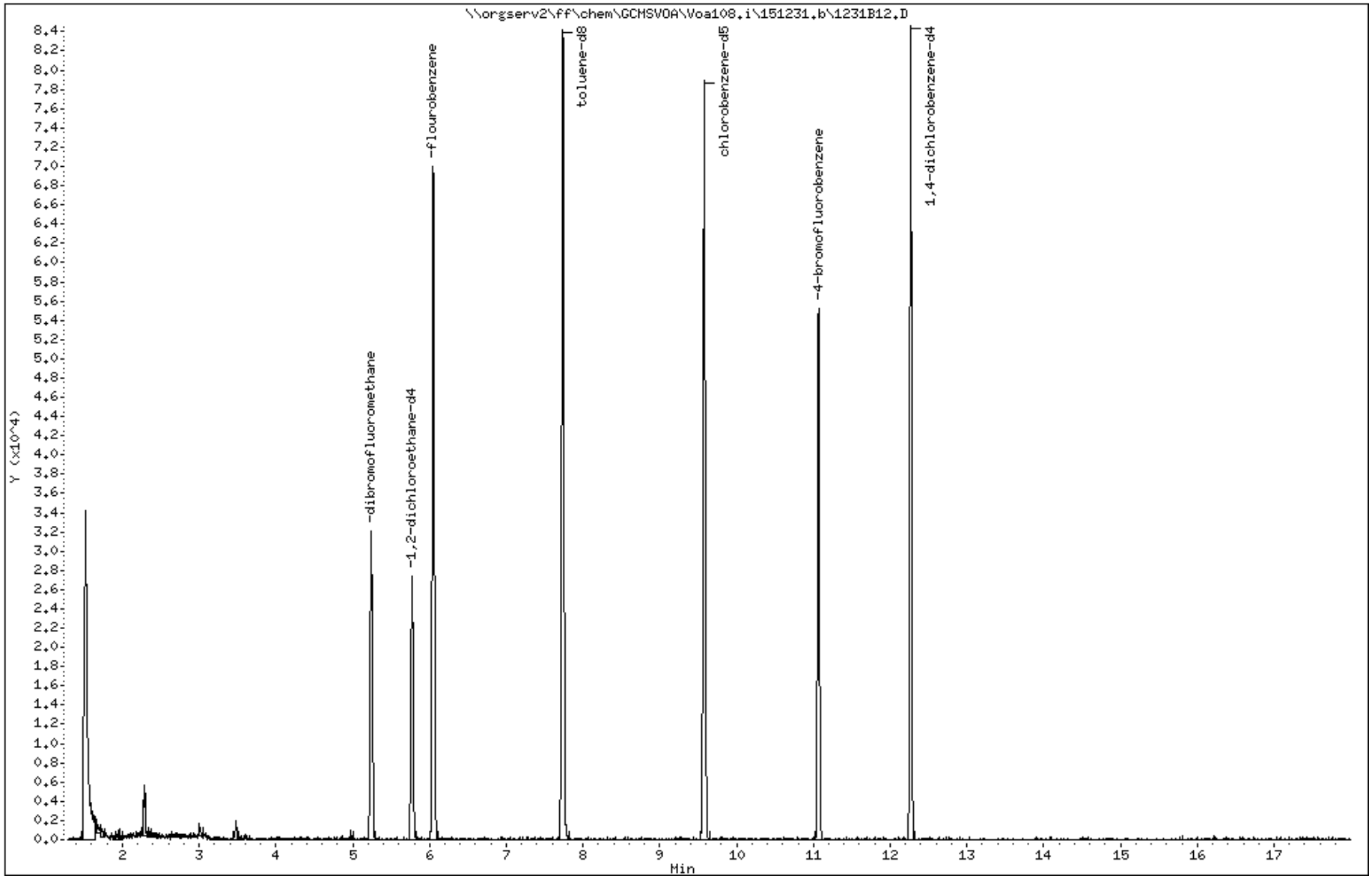
RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: MS
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Misc Info: wg853951,ical11667

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 36 dibromofluorometha	100.000	108.332	108.33	70-130
$ 42 1,2-dichloroethane	100.000	95.396	95.40	70-130
$ 58 toluene-d8	100.000	101.851	101.85	70-130
$ 81 4-bromofluorobenze	100.000	105.253	105.25	70-130

Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B12.D
Date : 31-DEC-2015 14:40
Client ID:
Sample Info: 11533592-11,31,10,,a
Purge Volume: 10.0
Column phase:

Instrument: Voa108.i
Operator: MS
Column diameter: 0.18



Manual Integration

Sample Info : l1533592-11,31,10,,a
wg853951,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1231B12.D
Injection Date : 31-DEC-2015 14:40
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

There are no manual integrations in this file.

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B13.D
Lab Smp Id:
Inj Date : 31-DEC-2015 15:08
Operator : MS Inst ID: Voa108.i
Smp Info : l1533592-12,31,10,,a
Misc Info : wg853951,ical11667
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Meth Date : 31-Dec-2015 13:17 Voa108.i Quant Type: ISTD
Cal Date : 07-NOV-2015 22:27 Cal File: 1107A10.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: VIRTUALXP-38517

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	Compound Not Detected.						
	2 chloromethane	50	Compound Not Detected.						
	3 vinyl chloride	62	Compound Not Detected.						
	4 bromomethane	94	Compound Not Detected.						
	5 chloroethane	64	Compound Not Detected.						
	6 trichlorofluoromethane	101	Compound Not Detected.						
	9 1,1,-dichloroethene	96	Compound Not Detected.						
	11 freon-113	101	Compound Not Detected.						
	10 carbon disulfide	76	Compound Not Detected.						
	15 methylene chloride	84	Compound Not Detected.						
	16 acetone	43	3.598	3.601	(0.595)	3891	145.099	14.509	
	17 trans-1,2-dichloroethene	96	Compound Not Detected.						
	18 Methyl Acetate	43	Compound Not Detected.						
	19 methyl tert butyl ether	73	Compound Not Detected.						
	22 1,1-dichloroethane	63	Compound Not Detected.						
	26 vinyl acetate	43	Compound Not Detected.						
	27 cis-1,2-dichloroethene	96	Compound Not Detected.						
	29 bromochloromethane	128	Compound Not Detected.						
	30 Cyclohexane	56	Compound Not Detected.						
	31 chloroform	83	Compound Not Detected.						
	33 carbontetrachloride	117	Compound Not Detected.						
$	36 dibromofluoromethane	113	5.243	5.246	(0.867)	19835	110.824	11.082	
	37 1,1,1-trichloroethane	97	Compound Not Detected.						
	38 2-butanone	43	Compound Not Detected.						
	40 benzene	78	Compound Not Detected.						
$	42 1,2-dichloroethane-d4	65	5.776	5.776	(0.955)	18824	96.9951	9.699	
	43 1,2-dichloroethane	62	Compound Not Detected.						
*	46 flourobenzene	96	6.049	6.052	(1.000)	65458	100.000		
	47 methyl cyclohexane	83	Compound Not Detected.						
	48 trichloroethene	95	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	52 1,2-dichloropropane	63	Compound Not Detected.						
	53 bromodichloromethane	83	Compound Not Detected.						
	57 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	58 toluene-d8	98	7.736	7.739	(0.808)	63573	100.666	10.066	
	59 toluene	92	7.789	7.795	(0.813)	1842	5.03689	0.503(aQ)	
	60 4-methyl-2-pentanone	58	Compound Not Detected.						
	61 tetrachloroethene	166	Compound Not Detected.						
	62 trans-1,3-dichloropropene	75	Compound Not Detected.						
	66 1,1,2-trichloroethane	83	Compound Not Detected.						
	67 chlorodibromomethane	129	Compound Not Detected.						
	70 1,2-dibromoethane	107	Compound Not Detected.						
	71 2-hexanone	43	Compound Not Detected.						
*	72 chlorobenzene-d5	117	9.580	9.580	(1.000)	51768	100.000		
	73 chlorobenzene	112	Compound Not Detected.						
	74 ethyl benzene	91	Compound Not Detected.						
	76 p/m xylene	106	Compound Not Detected.						
	77 o xylene	106	Compound Not Detected.						
	78 styrene	104	Compound Not Detected.						
	79 bromoform	173	Compound Not Detected.						
	80 isopropylbenzene	105	Compound Not Detected.						
$	81 4-bromofluorobenzene	95	11.066	11.069	(0.902)	18329	103.540	10.354	
	85 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
	97 1,3-dichlorobenzene	146	Compound Not Detected.						
*	98 1,4-dichlorobenzene-d4	152	12.268	12.268	(1.000)	21893	100.000		
	99 1,4-dichlorobenzene	146	Compound Not Detected.						
	102 1,2-dichlorobenzene	146	Compound Not Detected.						
	104 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	107 1,2,4-trichlorobenzene	180	Compound Not Detected.						
	109 1,2,3-trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Lab File ID: 1231B13.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: MS
Method File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Misc Info: wg853951,ical11667

Calibration Date: 31-DEC-2015
Calibration Time: 09:40
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	95986	47993	191972	65458	-31.80
72 chlorobenzene-d5	74653	37327	149306	51768	-30.66
98 1,4-dichlorobenze	39175	19588	78350	21893	-44.11

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	6.05	5.55	6.55	6.05	-0.05
72 chlorobenzene-d5	9.58	9.08	10.08	9.58	-0.00
98 1,4-dichlorobenze	12.27	11.77	12.77	12.27	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

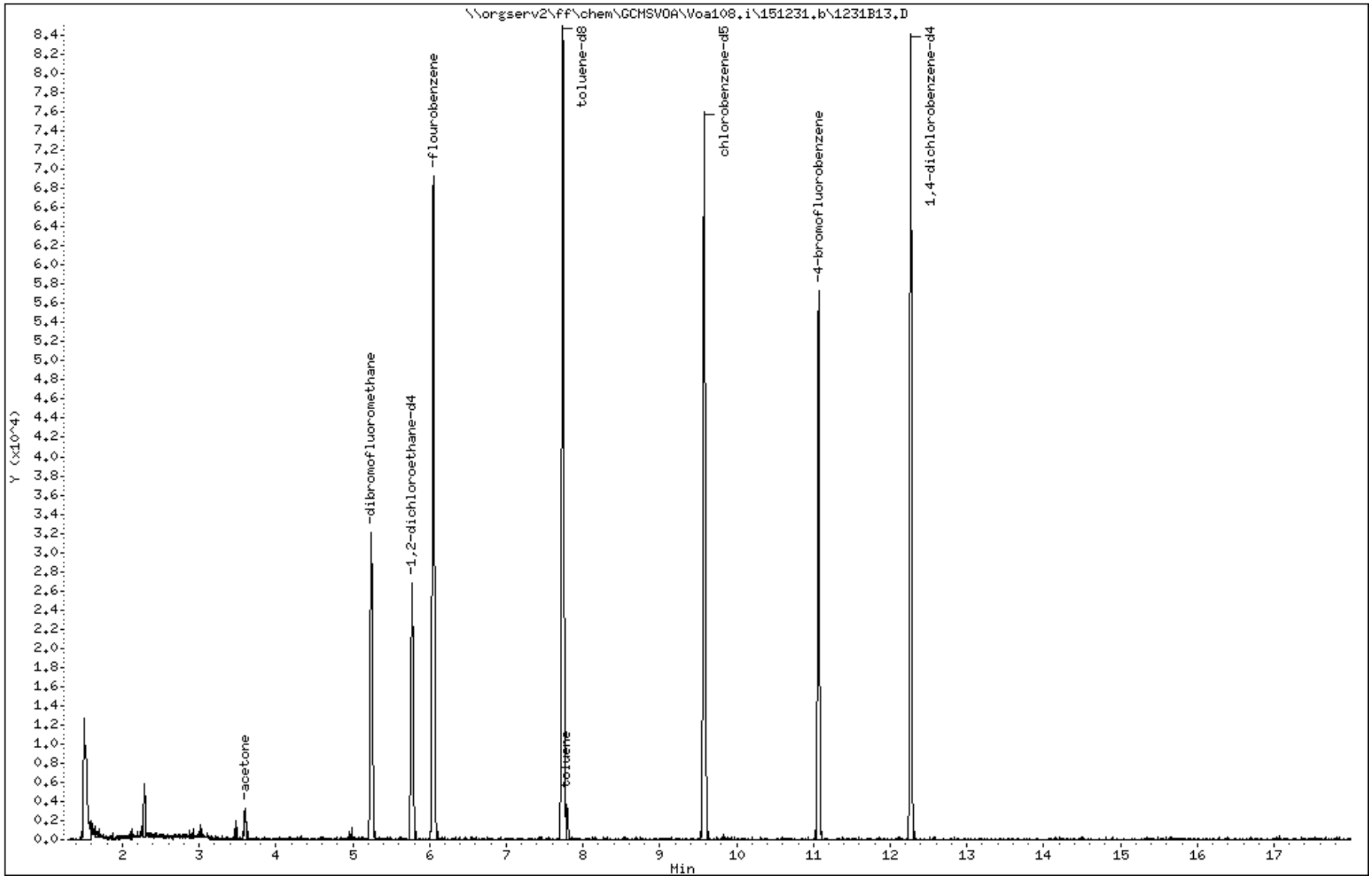
Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: MS
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Misc Info: wg853951,ical11667

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 36 dibromofluorometha	100.000	110.824	110.82	70-130
$ 42 1,2-dichloroethane	100.000	96.995	97.00	70-130
$ 58 toluene-d8	100.000	100.666	100.67	70-130
$ 81 4-bromofluorobenze	100.000	103.540	103.54	70-130

Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B13.D
Date : 31-DEC-2015 15:08
Client ID:
Instrument: Voa108.i
Sample Info: 11533592-12,31,10,,a
Purge Volume: 10.0
Operator: MS
Column phase:
Column diameter: 0.18



Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B13.D

Date : 31-DEC-2015 15:08

Client ID:

Instrument: Voa108.i

Sample Info: 11533592-12,31,10,,a

Purge Volume: 10.0

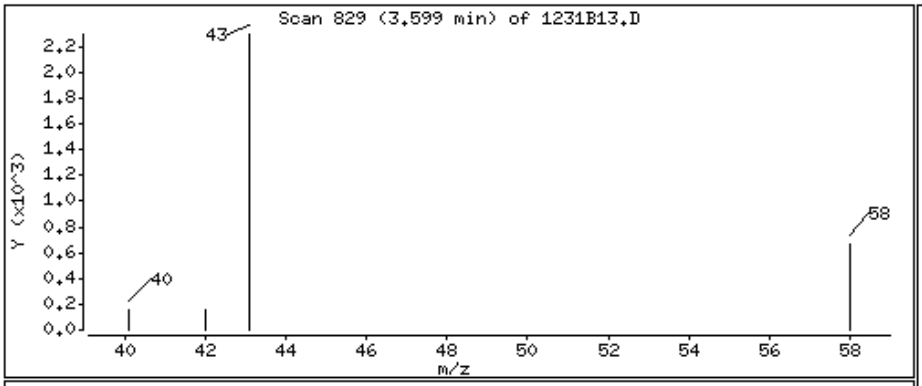
Operator: MS

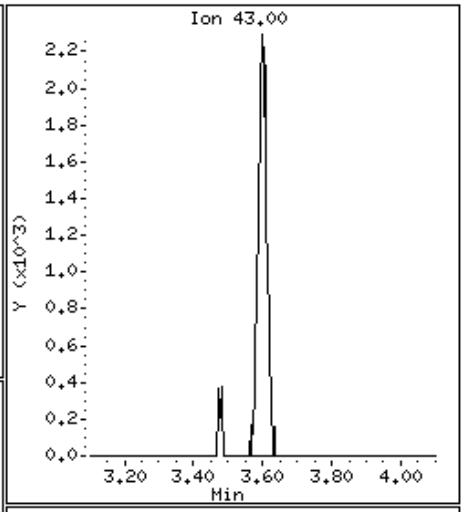
Column phase:

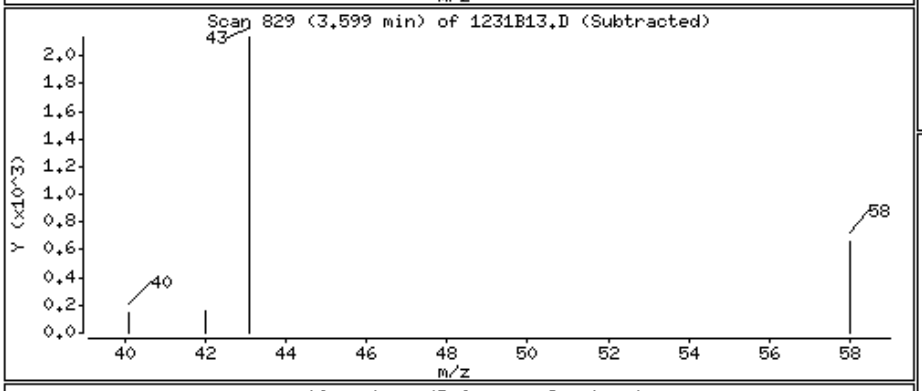
Column diameter: 0.18

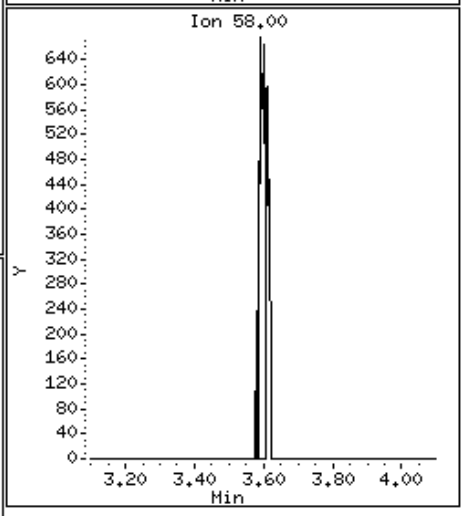
16 acetone

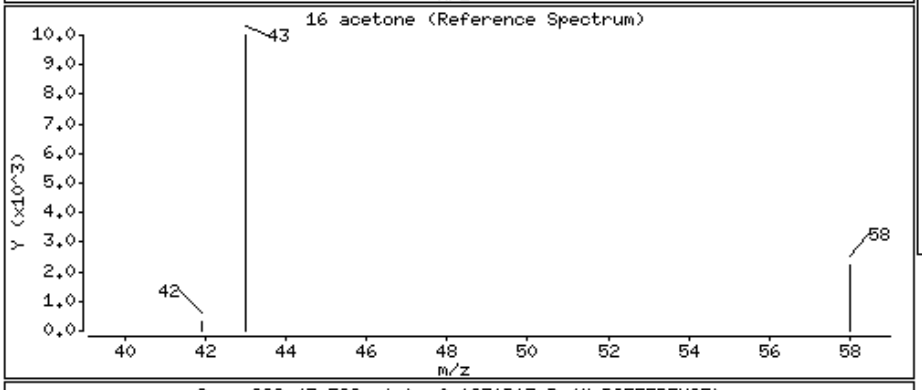
Concentration: 14.509 ngs

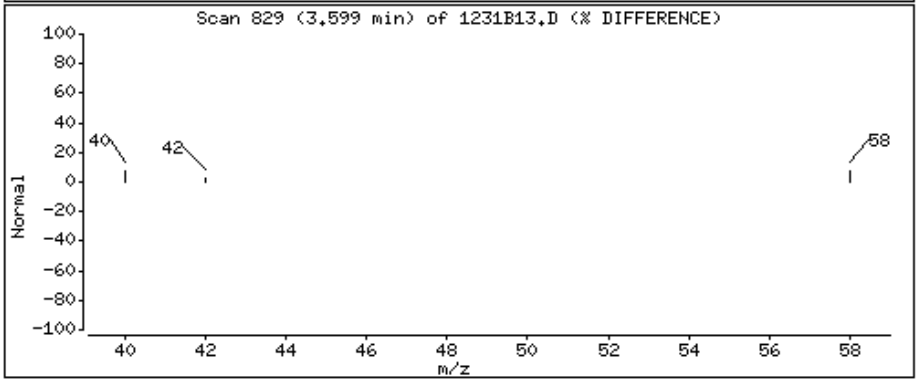












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B13.D

Date : 31-DEC-2015 15:08

Client ID:

Instrument: Voa108.i

Sample Info: 11533592-12,31,10,,a

Purge Volume: 10.0

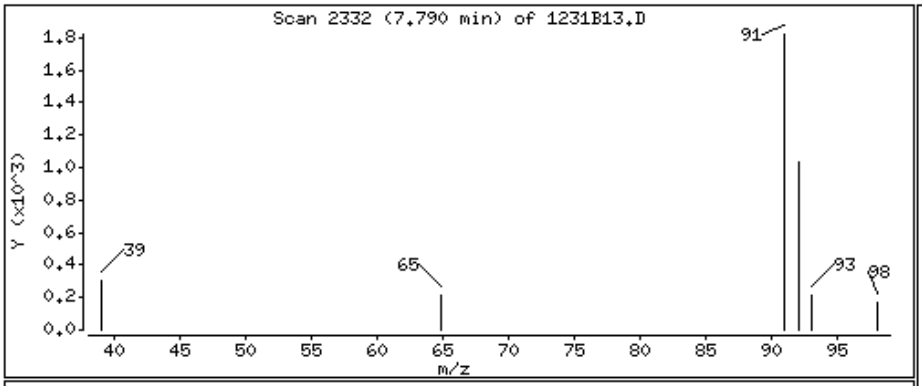
Operator: MS

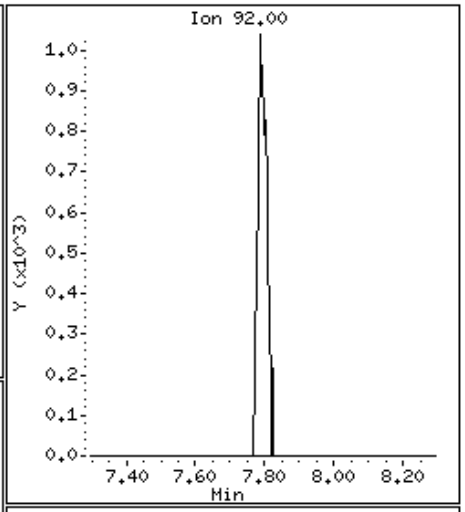
Column phase:

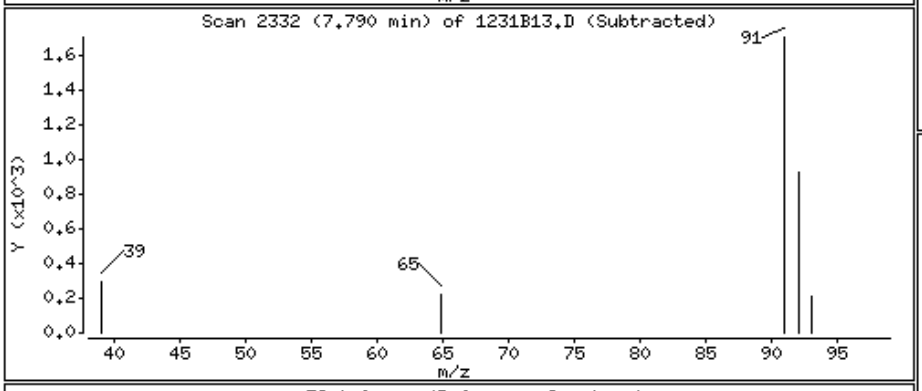
Column diameter: 0.18

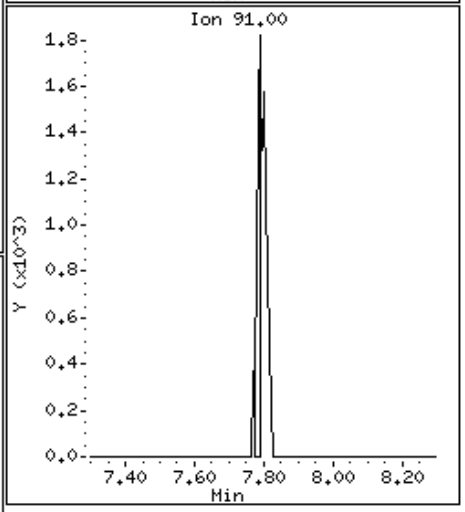
59 toluene

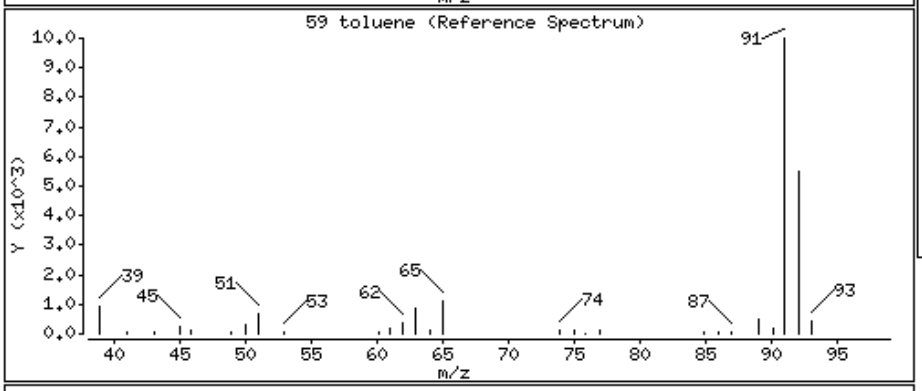
Concentration: 0.503 ngs

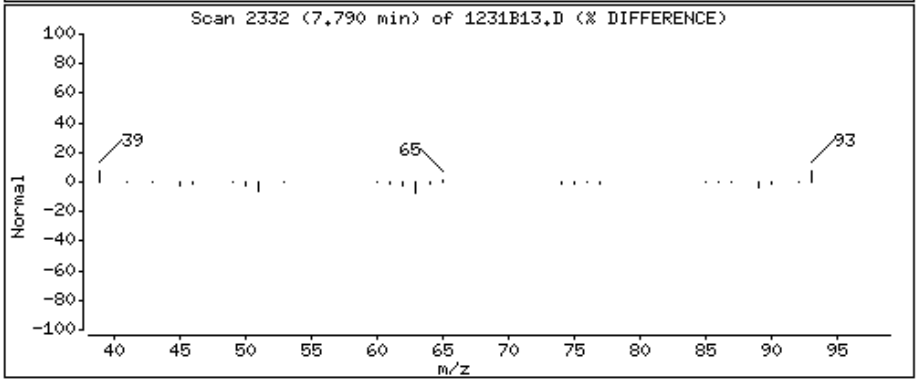












Manual Integration

Sample Info : l1533592-12,31,10,,a
wg853951,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1231B13.D
Injection Date : 31-DEC-2015 15:08
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

There are no manual integrations in this file.

Method Blank
Raw Data

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B06.D
Lab Smp Id:
Inj Date : 31-DEC-2015 11:51
Operator : PD Inst ID: Voa108.i
Smp Info : wg853951-10,31,10
Misc Info : wg853951,ical11667
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Meth Date : 31-Dec-2015 13:17 Voa108.i Quant Type: ISTD
Cal Date : 07-NOV-2015 22:27 Cal File: 1107A10.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	Compound Not Detected.						
	2 chloromethane	50	Compound Not Detected.						
	3 vinyl chloride	62	Compound Not Detected.						
	4 bromomethane	94	Compound Not Detected.						
	5 chloroethane	64	Compound Not Detected.						
	6 trichlorofluoromethane	101	Compound Not Detected.						
	9 1,1,-dichloroethene	96	Compound Not Detected.						
	11 freon-113	101	Compound Not Detected.						
	10 carbon disulfide	76	Compound Not Detected.						
	15 methylene chloride	84	Compound Not Detected.						
	16 acetone	43	Compound Not Detected.						
	17 trans-1,2-dichloroethene	96	Compound Not Detected.						
	18 Methyl Acetate	43	Compound Not Detected.						
	19 methyl tert butyl ether	73	Compound Not Detected.						
	22 1,1-dichloroethane	63	Compound Not Detected.						
	26 vinyl acetate	43	Compound Not Detected.						
	27 cis-1,2-dichloroethene	96	Compound Not Detected.						
	29 bromochloromethane	128	Compound Not Detected.						
	30 Cyclohexane	56	Compound Not Detected.						
	31 chloroform	83	Compound Not Detected.						
	33 carbontetrachloride	117	Compound Not Detected.						
$	36 dibromofluoromethane	113	5.238	5.246	(0.866)	22712	105.428	10.542	
	37 1,1,1-trichloroethane	97	Compound Not Detected.						
	38 2-butanone	43	Compound Not Detected.						
	40 benzene	78	Compound Not Detected.						
$	42 1,2-dichloroethane-d4	65	5.776	5.776	(0.955)	22544	96.5086	9.650	
	43 1,2-dichloroethane	62	Compound Not Detected.						
*	46 flourobenzene	96	6.049	6.052	(1.000)	78789	100.000		
	47 methyl cyclohexane	83	Compound Not Detected.						
	48 trichloroethene	95	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	52 1,2-dichloropropane	63	Compound Not Detected.						
	53 bromodichloromethane	83	Compound Not Detected.						
	57 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	58 toluene-d8	98	7.739	7.739	(0.808)	76334	102.457	10.245	
	59 toluene	92	Compound Not Detected.						
	60 4-methyl-2-pentanone	58	Compound Not Detected.						
	61 tetrachloroethene	166	Compound Not Detected.						
	62 trans-1,3-dichloropropene	75	Compound Not Detected.						
	66 1,1,2-trichloroethane	83	Compound Not Detected.						
	67 chlorodibromomethane	129	Compound Not Detected.						
	70 1,2-dibromoethane	107	Compound Not Detected.						
	71 2-hexanone	43	Compound Not Detected.						
*	72 chlorobenzene-d5	117	9.577	9.580	(1.000)	61073	100.000		
	73 chlorobenzene	112	Compound Not Detected.						
	74 ethyl benzene	91	Compound Not Detected.						
	76 p/m xylene	106	Compound Not Detected.						
	77 o xylene	106	Compound Not Detected.						
	78 styrene	104	Compound Not Detected.						
	79 bromoform	173	Compound Not Detected.						
	80 isopropylbenzene	105	Compound Not Detected.						
$	81 4-bromofluorobenzene	95	11.066	11.069	(0.902)	21860	102.927	10.292	
	85 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
	97 1,3-dichlorobenzene	146	Compound Not Detected.						
*	98 1,4-dichlorobenzene-d4	152	12.268	12.268	(1.000)	26266	100.000		
	99 1,4-dichlorobenzene	146	Compound Not Detected.						
	102 1,2-dichlorobenzene	146	Compound Not Detected.						
	104 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	107 1,2,4-trichlorobenzene	180	Compound Not Detected.						
	109 1,2,3-trichlorobenzene	180	Compound Not Detected.						

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Lab File ID: 1231B06.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Misc Info: wg853951,ical11667

Calibration Date: 31-DEC-2015
Calibration Time: 09:40
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	95986	47993	191972	78789	-17.92
72 chlorobenzene-d5	74653	37327	149306	61073	-18.19
98 1,4-dichlorobenze	39175	19588	78350	26266	-32.95

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	6.05	5.55	6.55	6.05	-0.05
72 chlorobenzene-d5	9.58	9.08	10.08	9.58	-0.03
98 1,4-dichlorobenze	12.27	11.77	12.77	12.27	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

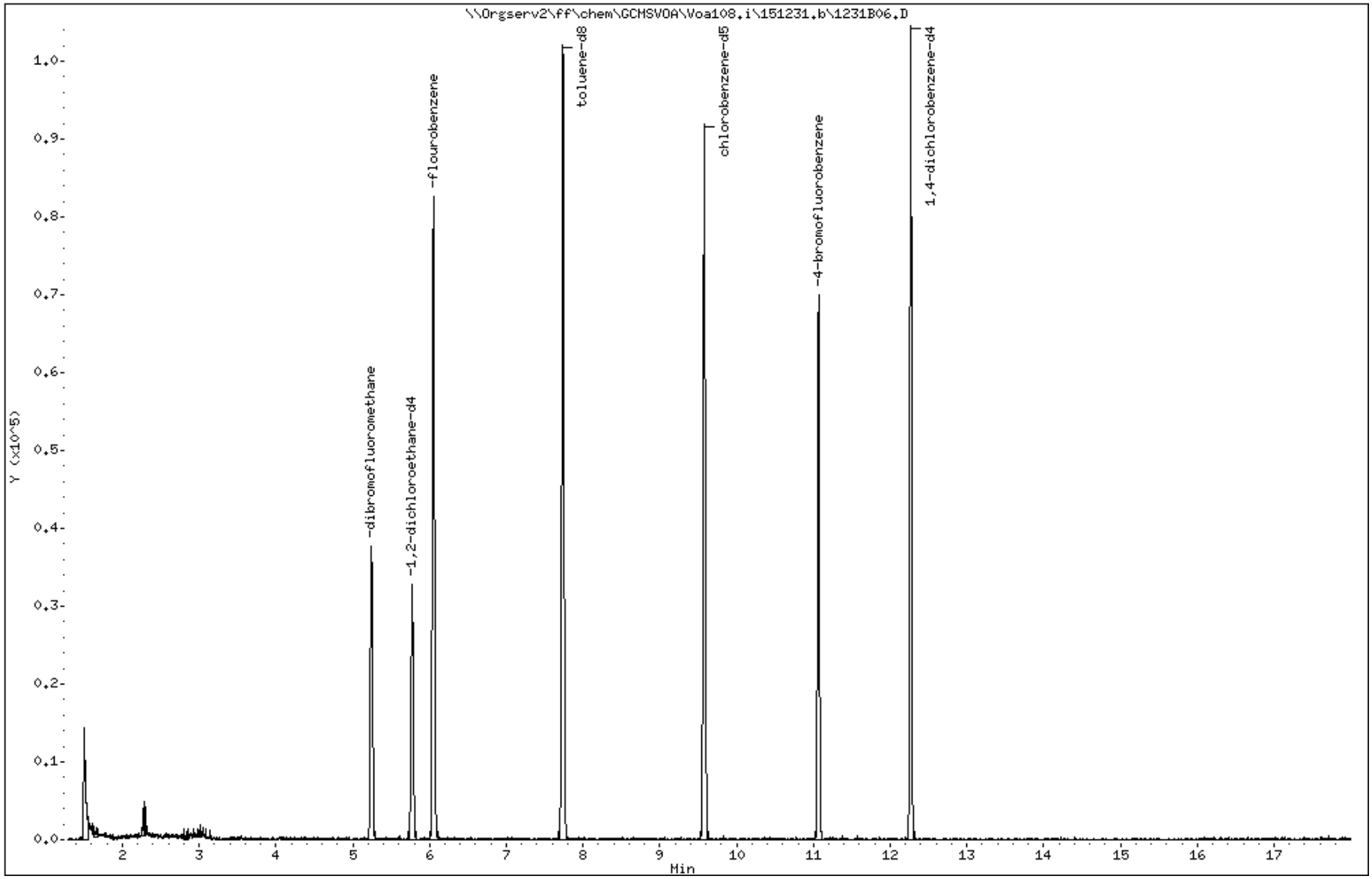
Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Misc Info: wg853951,ical11667

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 36 dibromofluorometha	100.000	105.427	105.43	70-130
$ 42 1,2-dichloroethane	100.000	96.508	96.51	70-130
$ 58 toluene-d8	100.000	102.456	102.46	70-130
$ 81 4-bromofluorobenze	100.000	102.927	102.93	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B06.D
Date : 31-DEC-2015 11:51
Client ID:
Sample Info: wg853951-10,31,10
Purge Volume: 10.0
Column phase:

Instrument: Voa108.i

Operator: PD
Column diameter: 0.18



Manual Integration

Sample Info : wg853951-10,31,10
wg853951,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1231B06.D
Injection Date : 31-DEC-2015 11:51
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

There are no manual integrations in this file.

Batch Quality Control

LCS Raw Data

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D
Lab Smp Id:
Inj Date : 30-DEC-2015 07:52
Operator : PD Inst ID: Voa108.i
Smp Info : wg854069-1,31,10
Misc Info : wg854069,ical11667
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Meth Date : 30-Dec-2015 19:52 mmay Quant Type: ISTD
Cal Date : 07-NOV-2015 22:27 Cal File: 1107A10.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: A1VOA1

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	1.649	1.649	(0.273)	22663	98.3197	9.831	
	2 chloromethane	50	1.836	1.836	(0.303)	25913	110.080	11.008	
	3 vinyl chloride	62	1.919	1.919	(0.317)	28485	94.0469	9.404	
	4 bromomethane	94	2.235	2.235	(0.369)	19781	97.9540	9.795(M)	M1
	5 chloroethane	64	2.352	2.352	(0.389)	22983	72.3866	7.238	
	6 trichlorofluoromethane	101	2.488	2.488	(0.411)	53531	73.0399	7.303	
	9 1,1,-dichloroethene	96	2.982	2.982	(0.493)	29186	71.3213	7.132(M)	M1
	11 freon-113	101	3.018	3.018	(0.499)	29002	69.7352	6.973(R)	
	10 carbon disulfide	76	3.007	3.007	(0.497)	78771	64.8308	6.483	
	15 methylene chloride	84	3.545	3.545	(0.586)	25515	100.242	10.024	
	16 acetone	43	3.601	3.601	(0.595)	3848	58.7299	5.872(M)	M1
	17 trans-1,2-dichloroethene	96	3.687	3.687	(0.610)	26066	103.343	10.334	
	18 Methyl Acetate	43	3.712	3.712	(0.614)	10069	94.8856	9.488	
	19 methyl tert butyl ether	73	3.793	3.793	(0.627)	51237	88.9917	8.899	
	22 1,1-dichloroethane	63	4.279	4.279	(0.707)	46137	101.796	10.179	
	26 vinyl acetate	43	4.518	4.518	(0.747)	50278	93.4079	9.340	
	27 cis-1,2-dichloroethene	96	4.800	4.800	(0.793)	29541	99.0050	9.900	
	29 bromochloromethane	128	4.992	4.992	(0.825)	14572	103.264	10.326	
	30 Cyclohexane	56	4.976	4.976	(0.823)	36386	97.0662	9.706	
	31 chloroform	83	5.062	5.062	(0.837)	48683	99.4538	9.945	
	33 carbontetrachloride	117	5.185	5.185	(0.857)	40945	105.347	10.534	
$	36 dibromofluoromethane	113	5.241	5.241	(0.866)	33632	103.337	10.333	
	37 1,1,1-trichloroethane	97	5.260	5.260	(0.870)	43701	103.746	10.374	
	38 2-butanone	43	5.369	5.369	(0.888)	6170	74.8968	7.489(M)	M1
	40 benzene	78	5.631	5.631	(0.931)	101667	96.5867	9.658	
$	42 1,2-dichloroethane-d4	65	5.768	5.768	(0.953)	32569	92.2872	9.228	
	43 1,2-dichloroethane	62	5.837	5.837	(0.965)	30906	93.4346	9.343	
*	46 flourobenzene	96	6.049	6.049	(1.000)	119032	100.000		

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	47 methyl cyclohexane	83	6.200	6.200	(1.025)	37795	92.0327	9.203(M)	M1
	48 trichloroethene	95	6.219	6.219	(1.028)	28758	97.1187	9.711	
	52 1,2-dichloropropane	63	6.769	6.769	(1.119)	25578	99.9744	9.997	
	53 bromodichloromethane	83	6.836	6.836	(1.130)	35632	95.8169	9.581	
	57 cis-1,3-dichloropropene	75	7.530	7.530	(1.245)	39985	97.5869	9.758	
$	58 toluene-d8	98	7.734	7.734	(0.808)	117737	102.440	10.243	
	59 toluene	92	7.792	7.792	(0.814)	67282	101.092	10.109	
	60 4-methyl-2-pentanone	58	8.233	8.233	(1.361)	4932	78.4565	7.845(M)	M1
	61 tetrachloroethene	166	8.222	8.222	(0.859)	30192	102.487	10.248	
	62 trans-1,3-dichloropropene	75	8.275	8.275	(0.864)	33268	97.5889	9.758	
	66 1,1,2-trichloroethane	83	8.464	8.464	(0.884)	17218	97.4193	9.741	
	67 chlorodibromomethane	129	8.668	8.668	(0.905)	27723	103.199	10.319	
	70 1,2-dibromoethane	107	8.950	8.950	(0.935)	20503	97.6062	9.760	
	71 2-hexanone	43	9.242	9.242	(0.965)	8019	76.1839	7.618(M)	M1
*	72 chlorobenzene-d5	117	9.574	9.574	(1.000)	94214	100.000		
	73 chlorobenzene	112	9.594	9.594	(1.002)	79227	99.1886	9.918	
	74 ethyl benzene	91	9.633	9.633	(1.006)	126345	94.3893	9.438	
	76 p/m xylene	106	9.817	9.817	(1.025)	100998	182.709	18.270	
	77 o xylene	106	10.358	10.358	(1.082)	89572	166.391	16.639	
	78 styrene	104	10.425	10.425	(1.089)	150997	172.796	17.279	
	79 bromoform	173	10.450	10.450	(0.852)	15687	95.7042	9.570(M)	M1
	80 isopropylbenzene	105	10.740	10.740	(0.876)	124825	101.815	10.181	
$	81 4-bromofluorobenzene	95	11.061	11.061	(0.902)	39298	105.462	10.546	
	85 1,1,2,2,-tetrachloroethane	83	11.309	11.309	(0.922)	23148	102.899	10.289	
	97 1,3-dichlorobenzene	146	12.190	12.190	(0.994)	59302	102.962	10.296	
*	98 1,4-dichlorobenzene-d4	152	12.265	12.265	(1.000)	46084	100.000		
	99 1,4-dichlorobenzene	146	12.282	12.282	(1.001)	57991	100.473	10.047	
	102 1,2-dichlorobenzene	146	12.700	12.700	(1.035)	52264	101.799	10.179	
	104 1,2-dibromo-3-chloropropane	75	13.498	13.498	(1.100)	7233	91.6086	9.160(M)	M1
	107 1,2,4-trichlorobenzene	180	14.103	14.103	(1.150)	20830	90.1029	9.010	
	109 1,2,3-trichlorobenzene	180	14.563	14.563	(1.187)	17992	91.0612	9.106	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Lab File ID: 1230A02.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Misc Info: wg854069,ical11667

Calibration Date: 30-DEC-2015
Calibration Time: 07:52
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
46 flourobenzene	119032	59516	238064	119032	0.00
72 chlorobenzene-d5	94214	47107	188428	94214	0.00
98 1,4-dichlorobenze	46084	23042	92168	46084	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
46 flourobenzene	6.05	5.55	6.55	6.05	0.00
72 chlorobenzene-d5	9.57	9.07	10.07	9.57	0.00
98 1,4-dichlorobenze	12.27	11.77	12.77	12.27	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: LCS
SpikeList File: newtcreek.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Misc Info: wg854069,ical11667

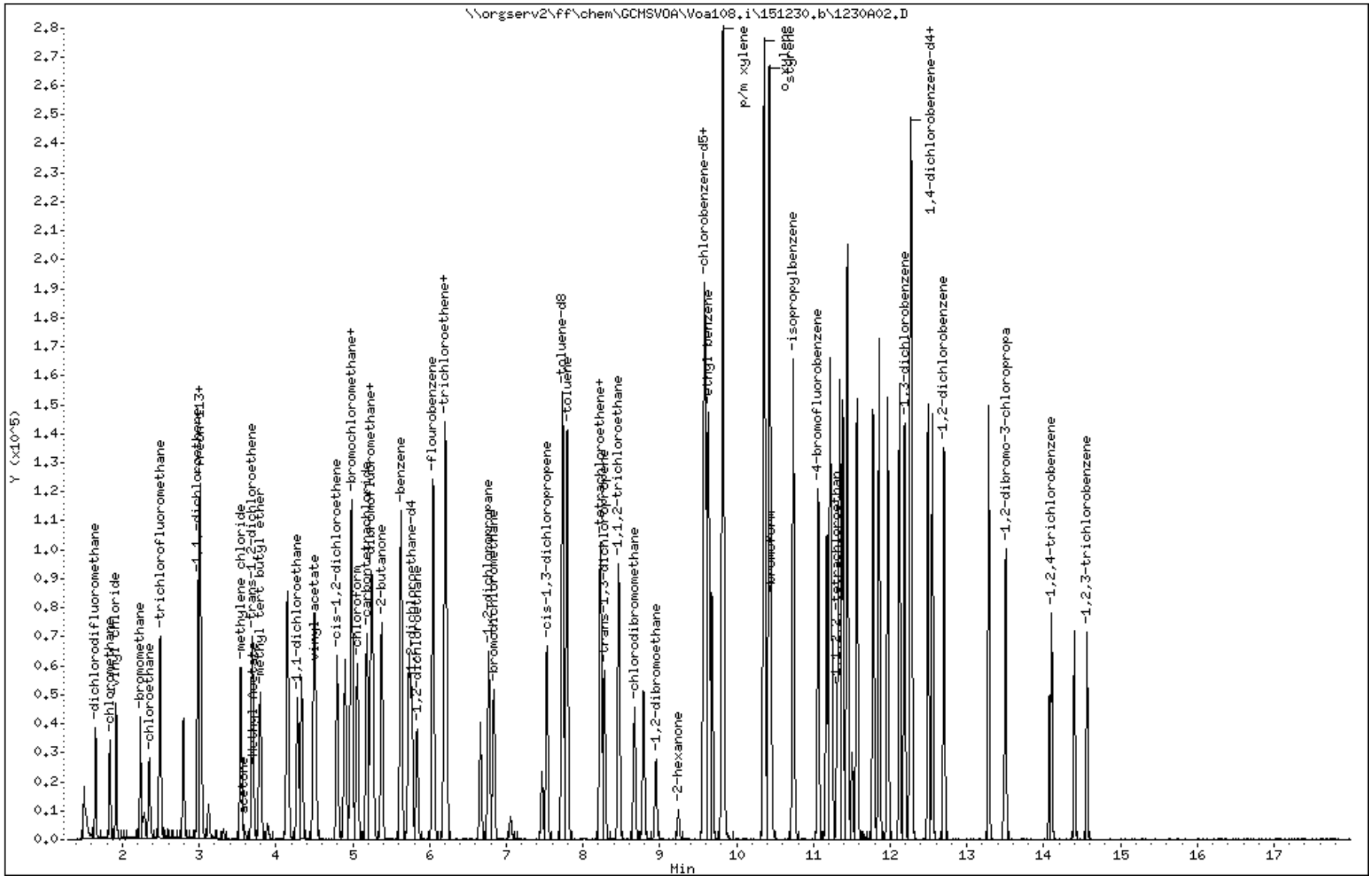
SPIKE	COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
1	dichlorodifluorome	100.000	98.319	98.32	36-147
2	chloromethane	100.000	110.080	110.08	64-130
3	vinyl chloride	100.000	94.046	94.05	55-140
4	bromomethane	100.000	97.954	97.95	39-139
5	chloroethane	100.000	72.386	72.39	55-138
6	trichlorofluoromet	100.000	73.039	73.04	62-150
9	1,1,-dichloroethen	100.000	71.321	71.32	61-145
10	carbon disulfide	100.000	64.830	64.83	51-121
11	freon-113	100.000	69.735	69.74*	70-130
15	methylene chloride	100.000	100.242	100.24	74-121
16	acetone	100.000	58.729	58.73	58-148
17	trans-1,2-dichloro	100.000	103.343	103.34	75-125
18	Methyl Acetate	100.000	94.885	94.89	70-130
19	methyl tert butyl	100.000	88.991	88.99	63-112
22	1,1-dichloroethane	100.000	101.795	101.80	73-119
26	vinyl acetate	100.000	93.407	93.41	83-124
27	cis-1,2-dichloroet	100.000	99.004	99.00	75-125
29	bromochloromethane	100.000	103.263	103.26	74-123
30	Cyclohexane	100.000	97.066	97.07	70-130
31	chloroform	100.000	99.453	99.45	75-125
33	carbontetrachlorid	100.000	105.346	105.35	63-132
37	1,1,1-trichloroeth	100.000	103.746	103.75	67-123
38	2-butanone	100.000	74.896	74.90	63-138
40	benzene	100.000	96.586	96.59	76-127
43	1,2-dichloroethane	100.000	93.434	93.43	71-125
48	trichloroethene	100.000	97.118	97.12	71-120
47	methyl cyclohexane	100.000	92.032	92.03	70-130
52	1,2-dichloropropan	100.000	99.974	99.97	70-120
53	bromodichlorometha	100.000	95.816	95.82	67-121
57	cis-1,3-dichloropr	100.000	97.586	97.59	75-125
59	toluene	100.000	101.092	101.09	76-125
60	4-methyl-2-pentano	100.000	78.456	78.46	59-126
61	tetrachloroethene	100.000	102.487	102.49	70-130
62	trans-1,3-dichloro	100.000	97.588	97.59	75-125
66	1,1,2-trichloroeth	100.000	97.419	97.42	70-125
67	chlorodibromometha	100.000	103.198	103.20	63-119
70	1,2-dibromoethane	100.000	97.606	97.61	70-119
71	2-hexanone	100.000	76.183	76.18	57-128
73	chlorobenzene	100.000	99.188	99.19	75-130
74	ethyl benzene	100.000	94.389	94.39	79-118

SPIKE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
76 p/m xylene	200.000	182.708	91.35	75-125
77 o xylene	200.000	166.390	83.20	75-125
78 styrene	200.000	172.796	86.40	70-122
79 bromoform	100.000	95.704	95.70	54-136
80 isopropylbenzene	100.000	101.815	101.82	73-122
85 1,1,2,2,-tetrachlo	100.000	102.898	102.90	67-124
97 1,3-dichlorobenzen	100.000	102.962	102.96	75-125
99 1,4-dichlorobenzen	100.000	100.473	100.47	75-125
102 1,2-dichlorobenzen	100.000	101.798	101.80	75-125
104 1,2-dibromo-3-chlo	100.000	91.608	91.61	41-144
107 1,2,4-trichloroben	100.000	90.102	90.10	75-125
109 1,2,3-trichloroben	100.000	91.061	91.06	75-125

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 36 dibromofluorometha	100.000	103.336	103.34	70-130
$ 42 1,2-dichloroethane	100.000	92.287	92.29	70-130
$ 58 toluene-d8	100.000	102.439	102.44	70-130
$ 81 4-bromofluorobenze	100.000	105.461	105.46	70-130

Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D
Date : 30-DEC-2015 07:52
Client ID:
Sample Info: wg854069-1,31,10
Purge Volume: 10.0
Column phase:

Instrument: Voa108.i
Operator: PD
Column diameter: 0.18



Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

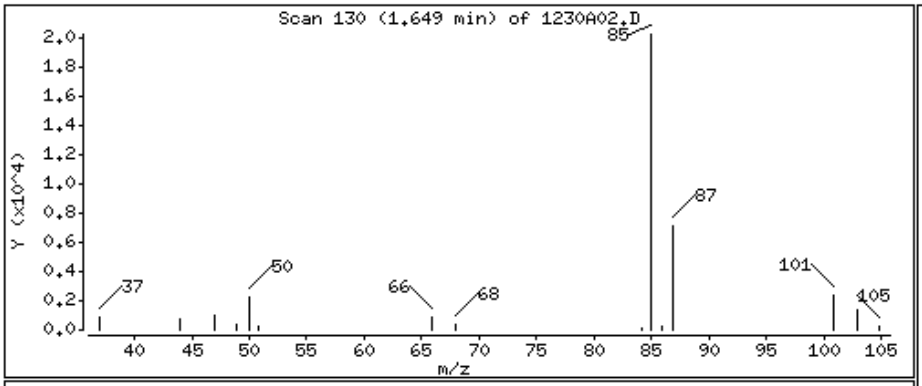
Operator: PD

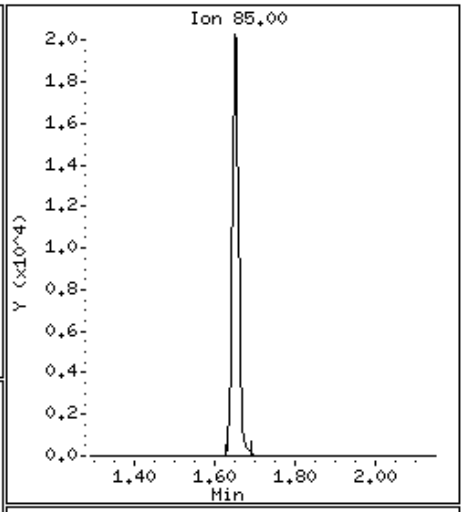
Column phase:

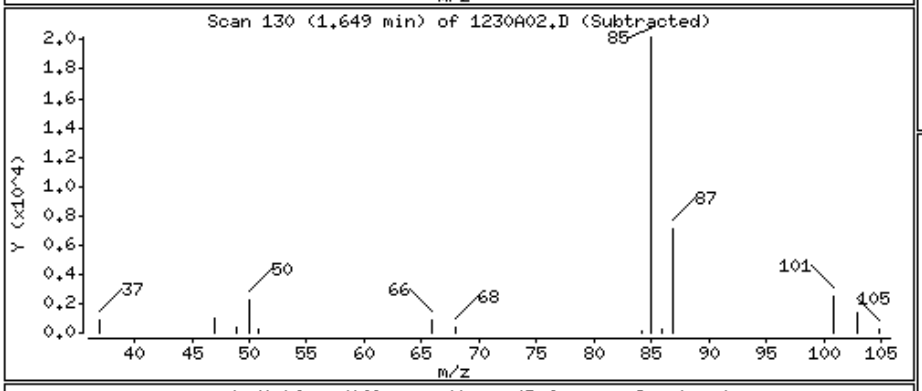
Column diameter: 0.18

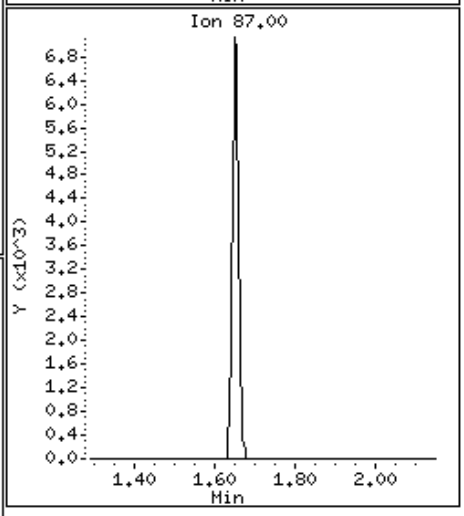
1 dichlorodifluoromethane

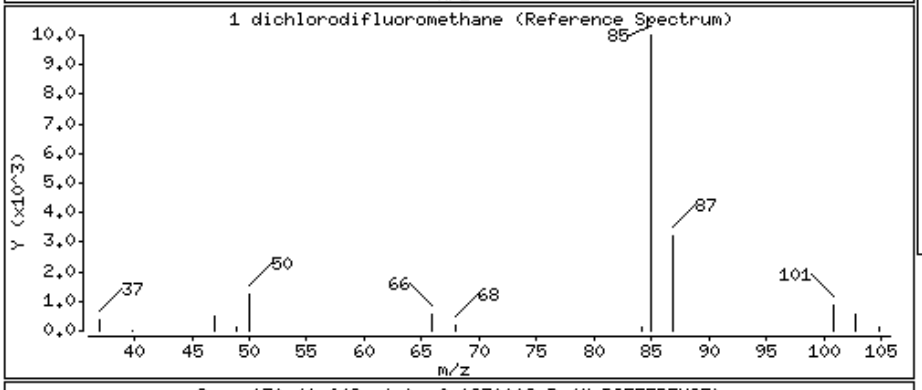
Concentration: 9.831 ngs

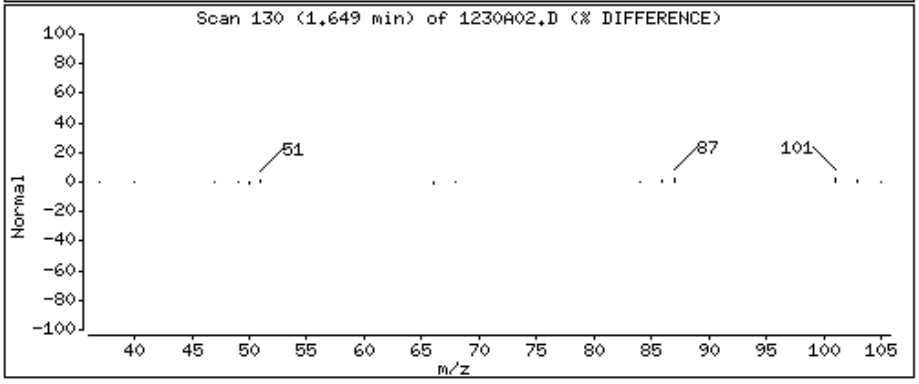












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Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

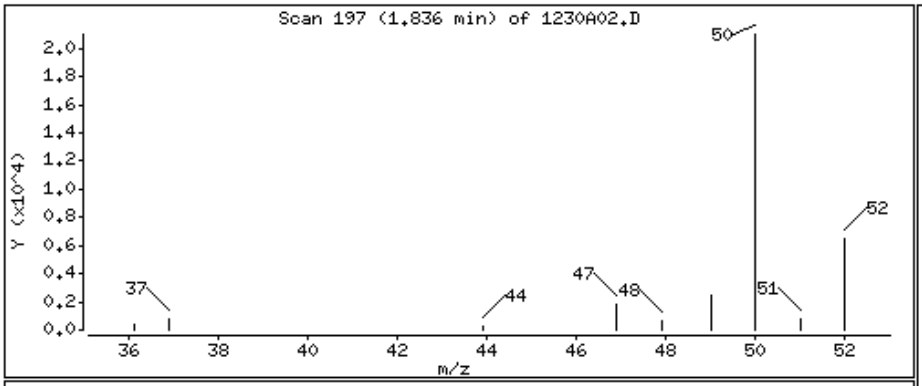
Operator: PD

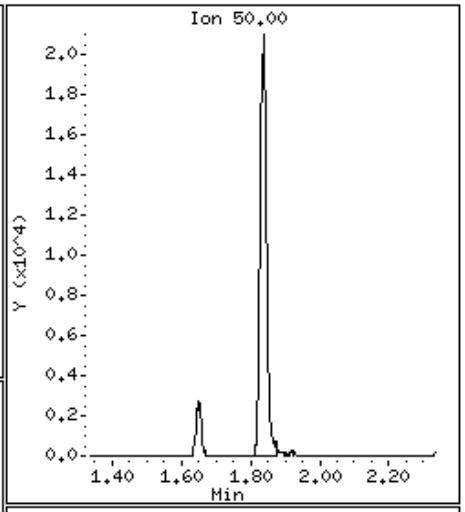
Column phase:

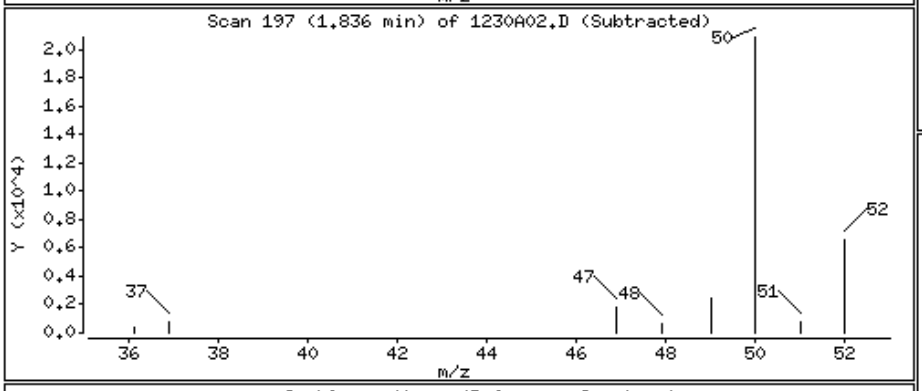
Column diameter: 0.18

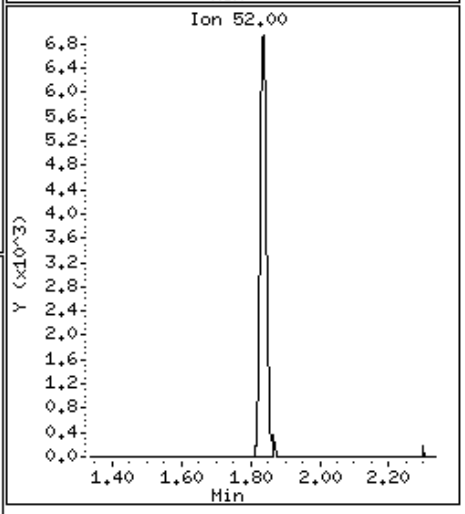
2 chloromethane

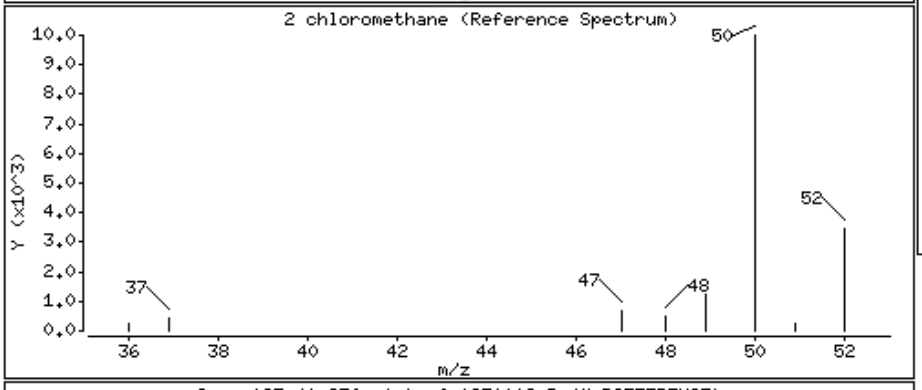
Concentration: 11.008 ngs

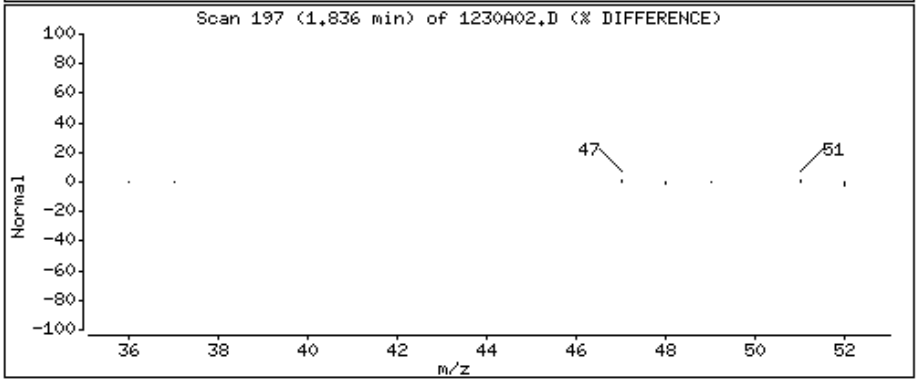












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

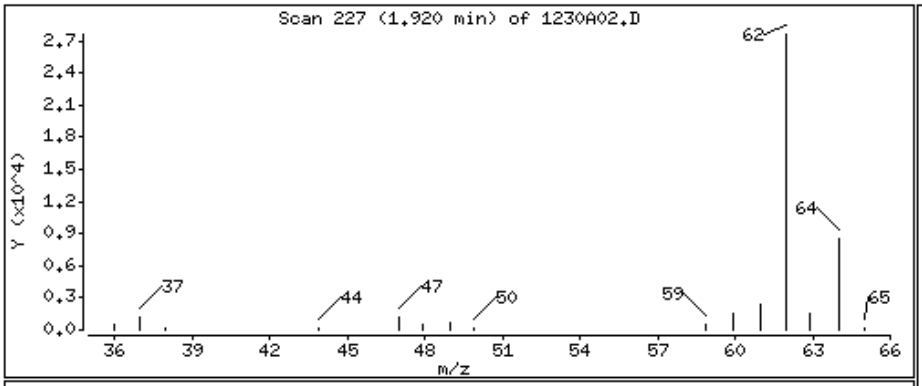
Operator: PD

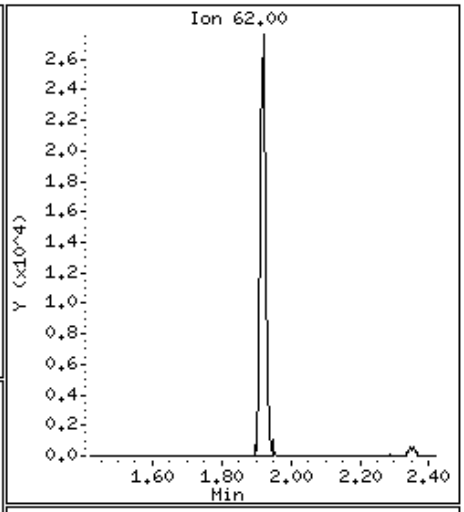
Column phase:

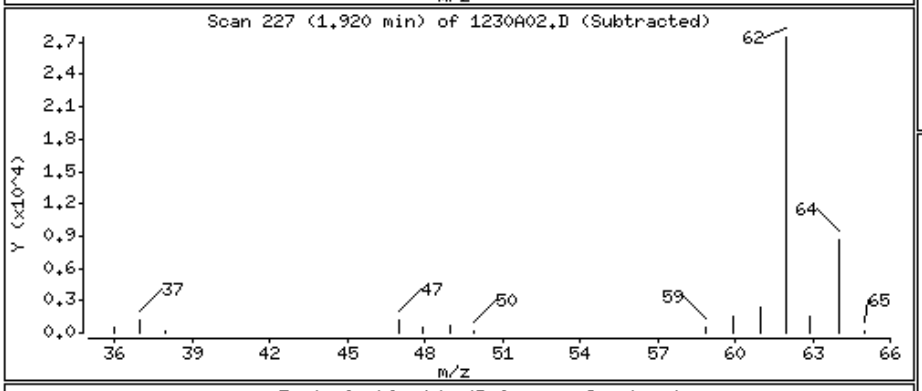
Column diameter: 0.18

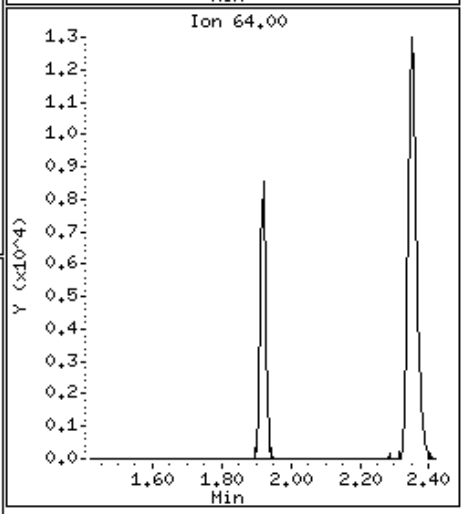
3 vinyl chloride

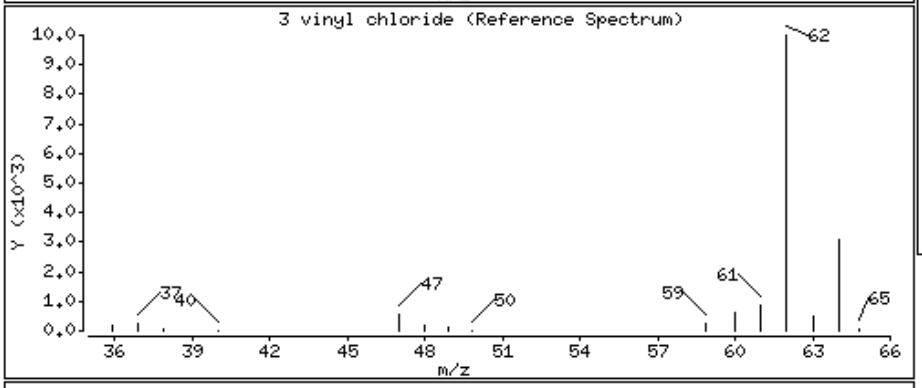
Concentration: 9.404 ngs

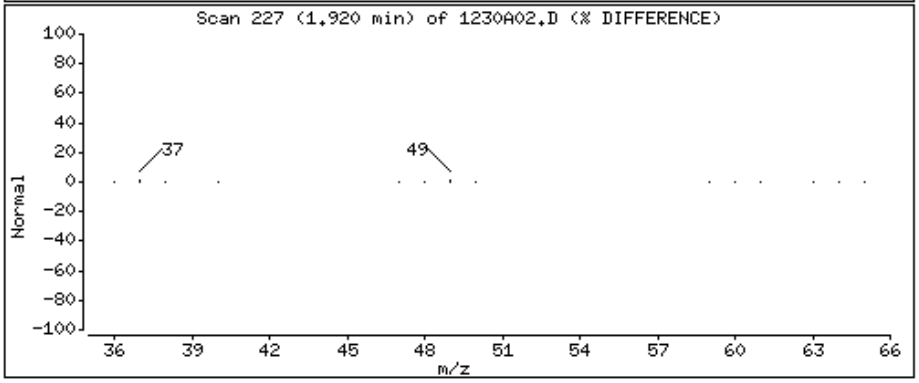












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

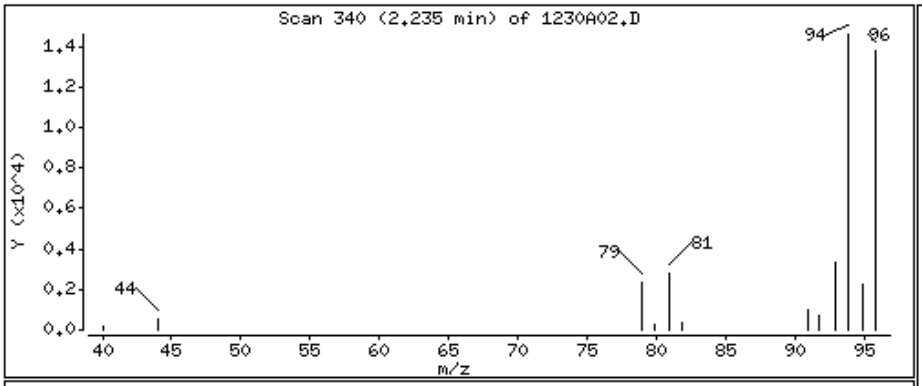
Operator: PD

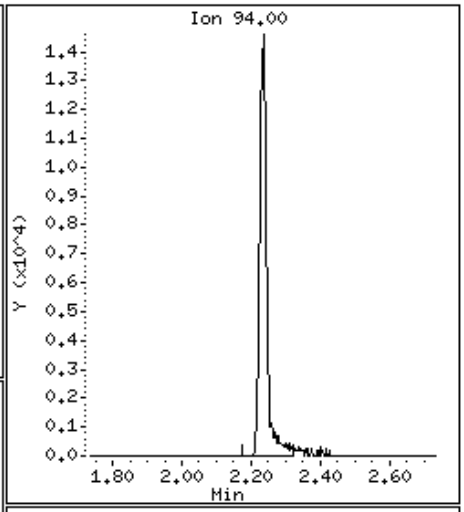
Column phase:

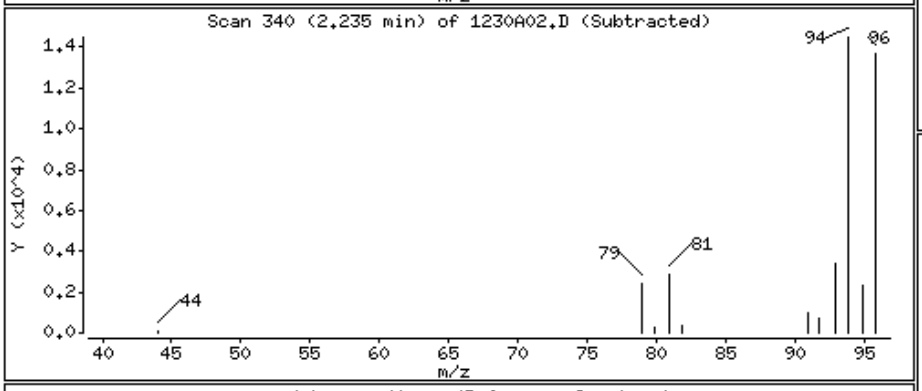
Column diameter: 0.18

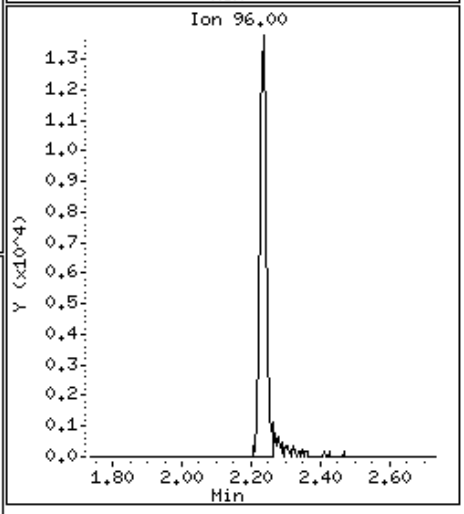
4 bromomethane

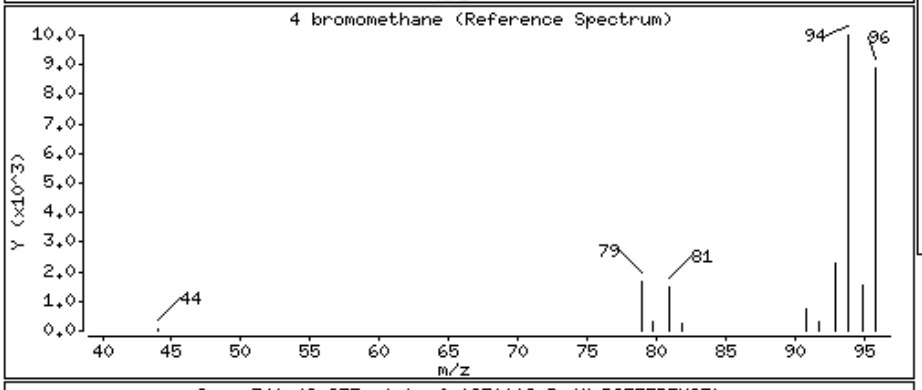
Concentration: 9.795 ngs

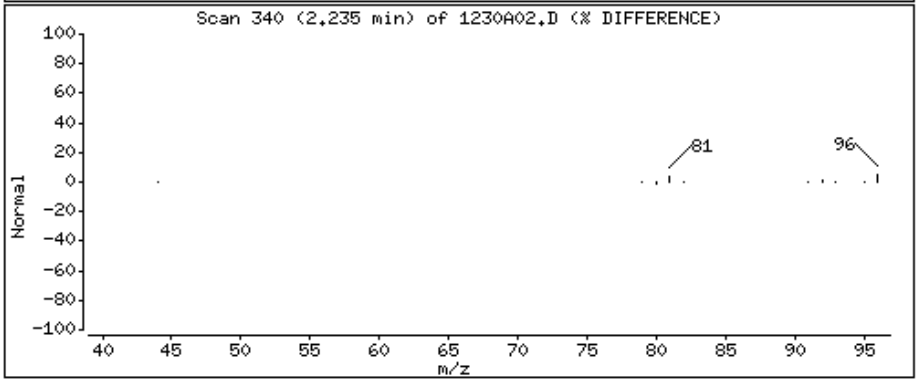












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

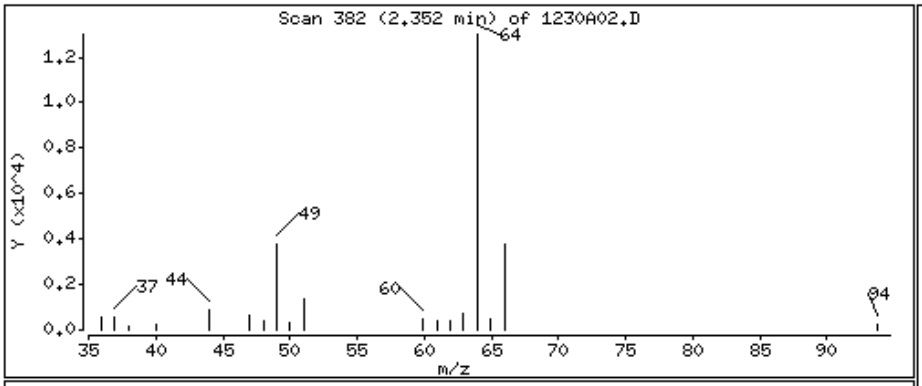
Operator: PD

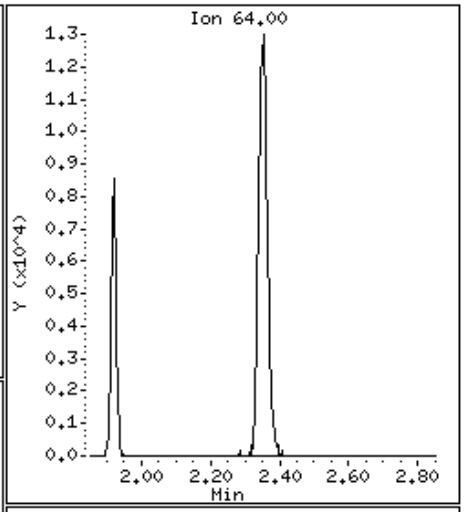
Column phase:

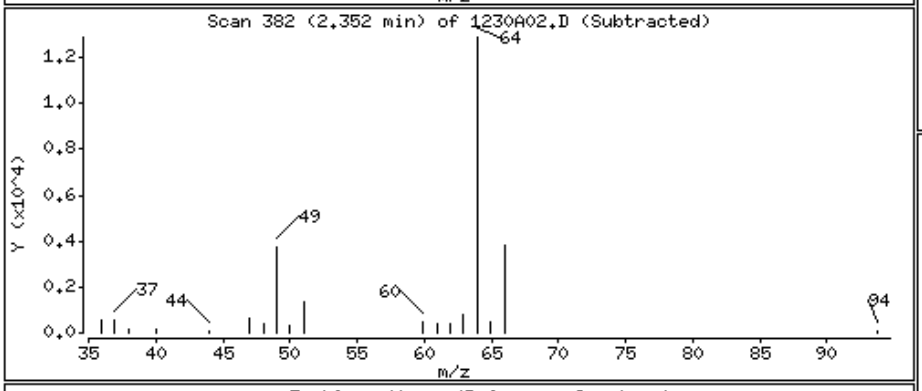
Column diameter: 0.18

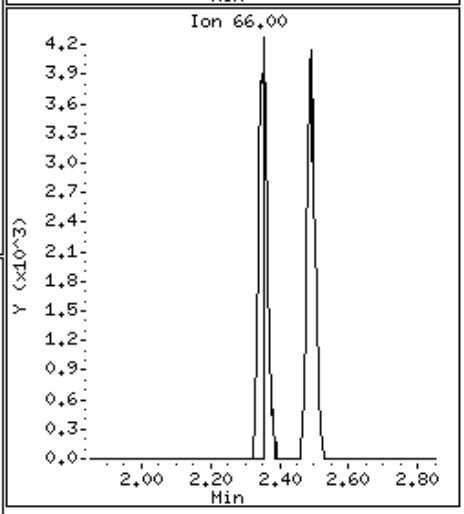
5 chloroethane

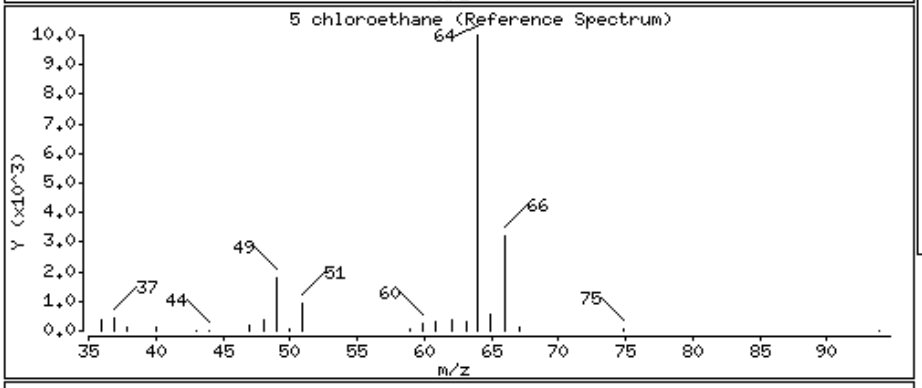
Concentration: 7.238 ngs

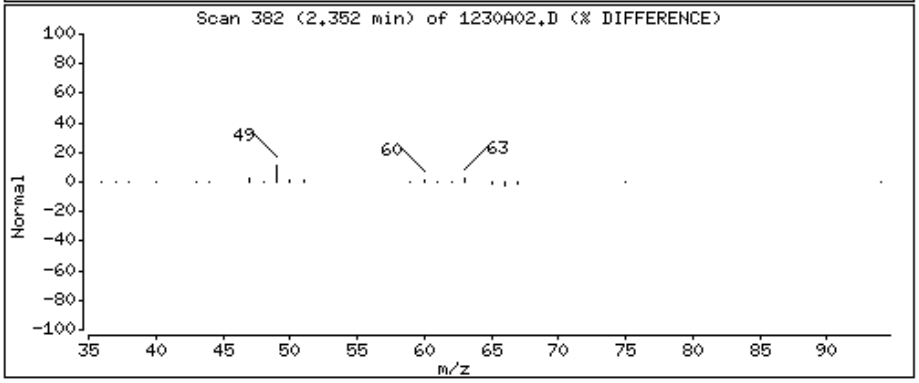












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

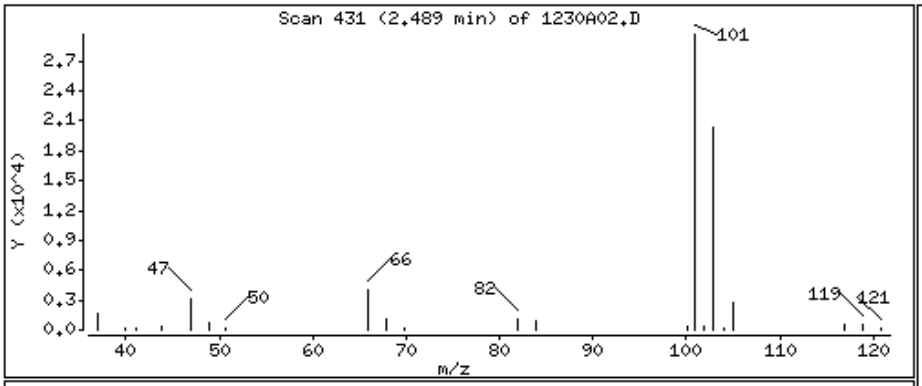
Operator: PD

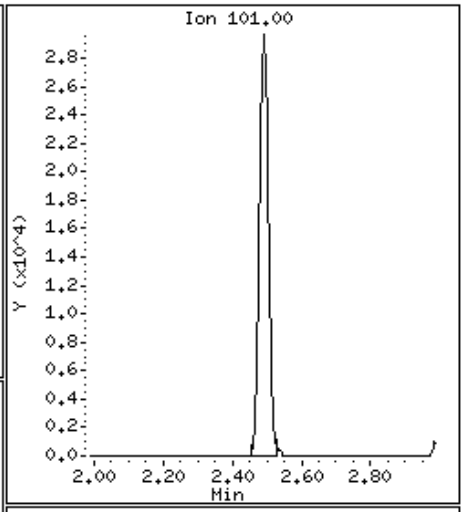
Column phase:

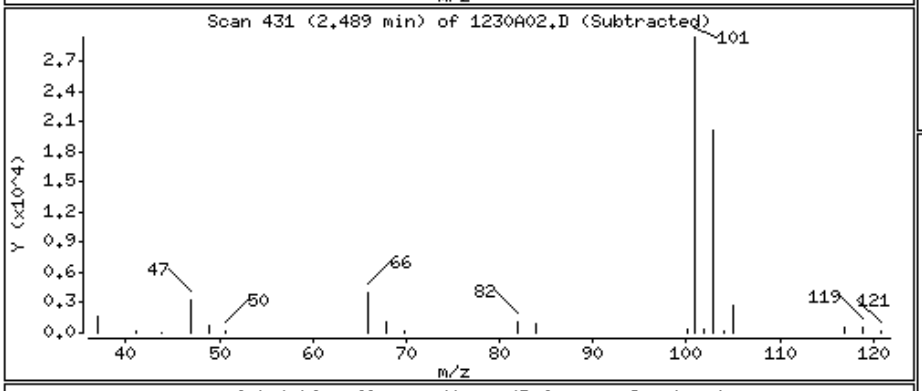
Column diameter: 0.18

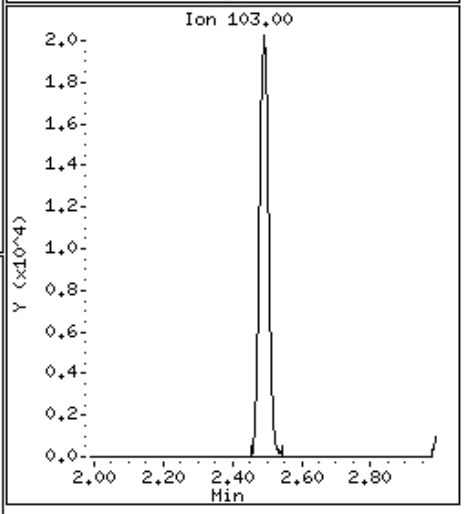
6 trichlorofluoromethane

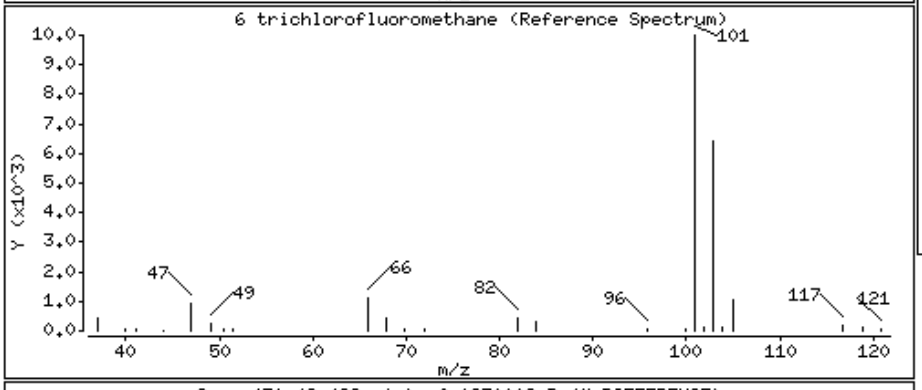
Concentration: 7.303 ngs

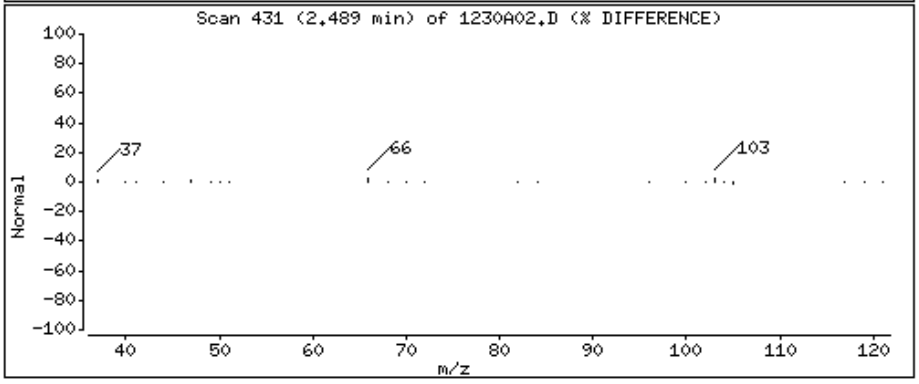












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

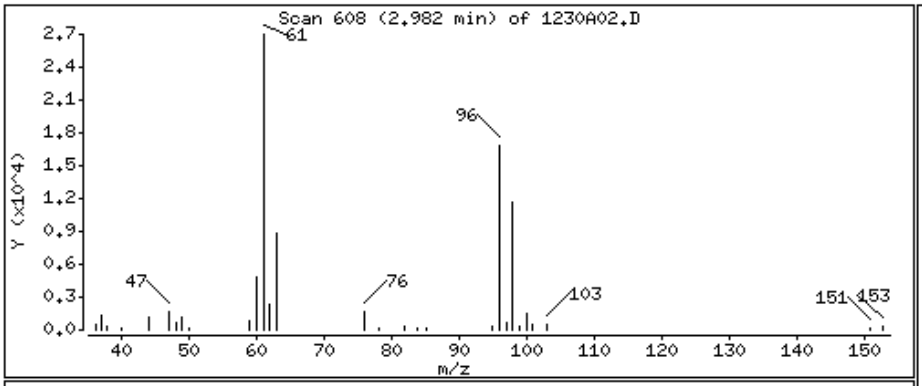
Operator: PD

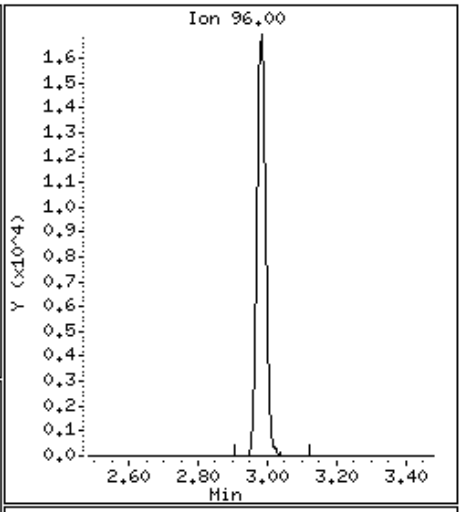
Column phase:

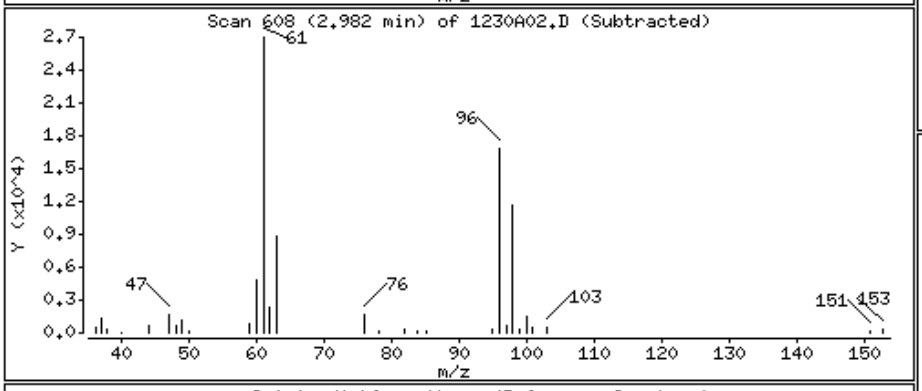
Column diameter: 0.18

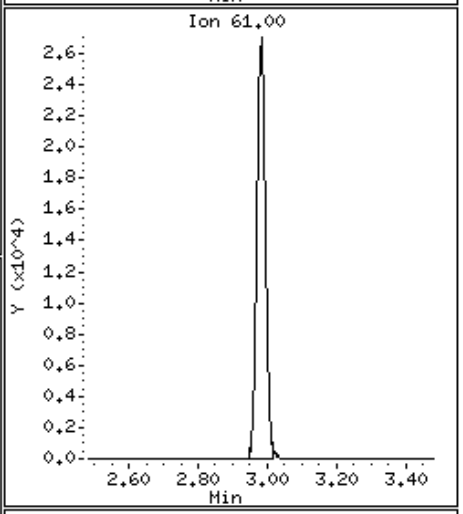
9 1,1,-dichloroethene

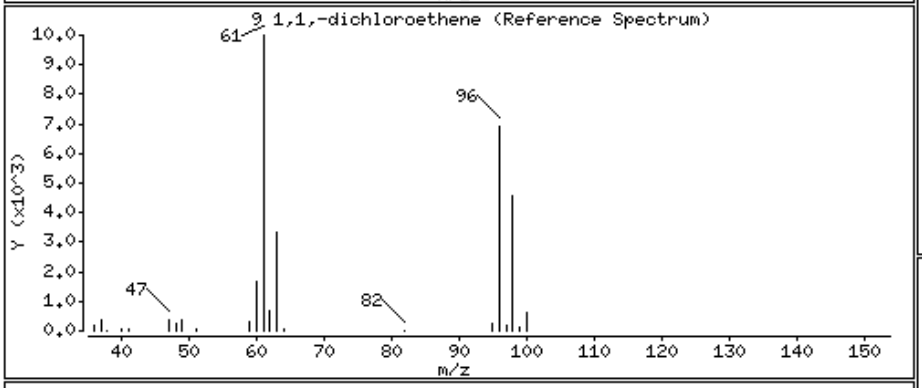
Concentration: 7.132 ngs

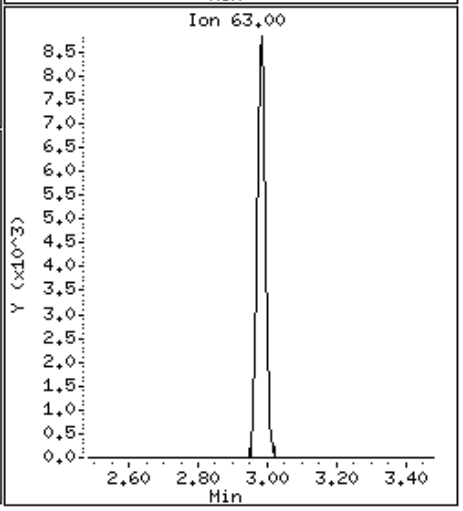


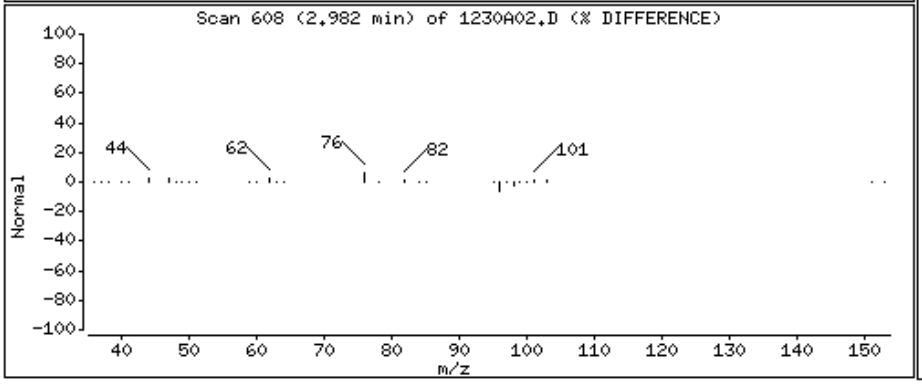












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

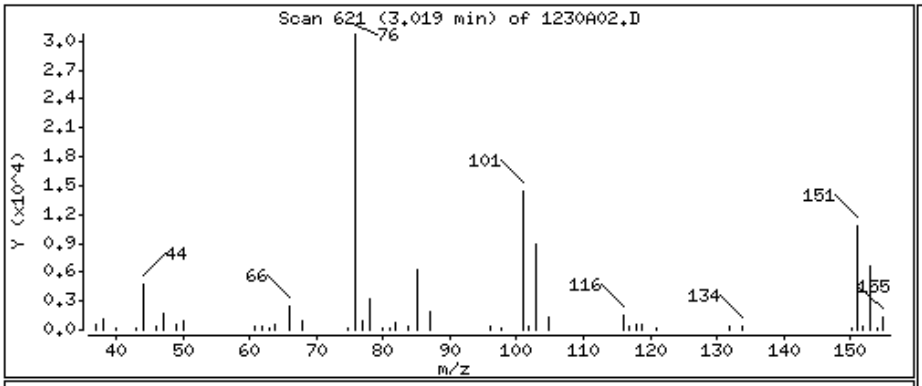
Operator: PD

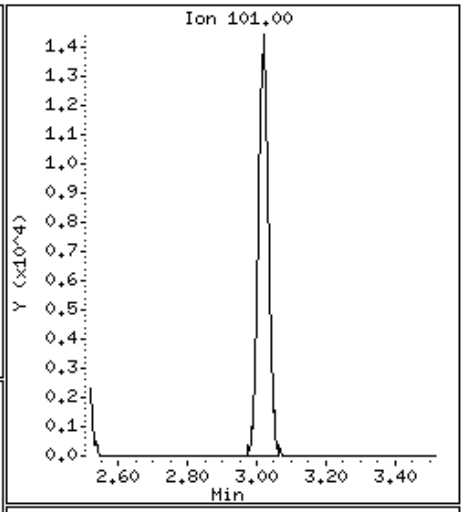
Column phase:

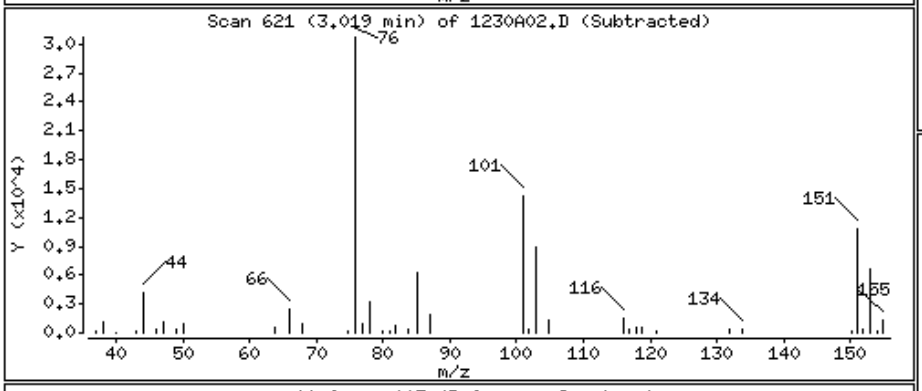
Column diameter: 0.18

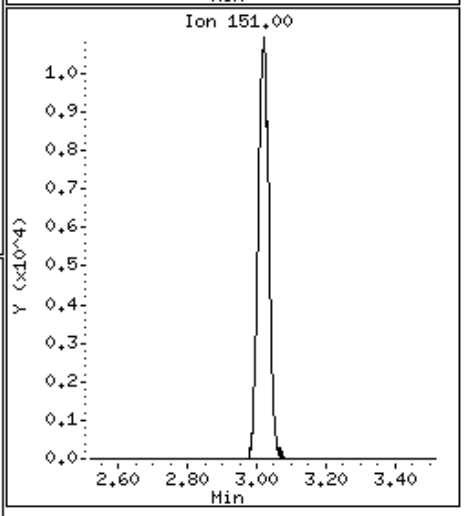
11 freon-113

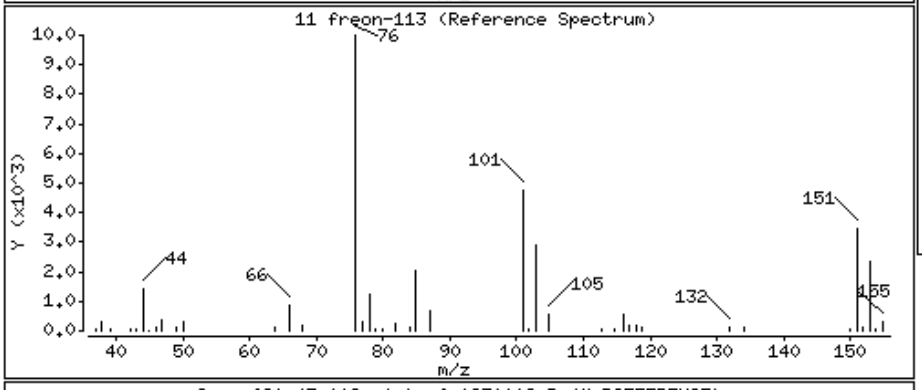
Concentration: 6.973 ngs

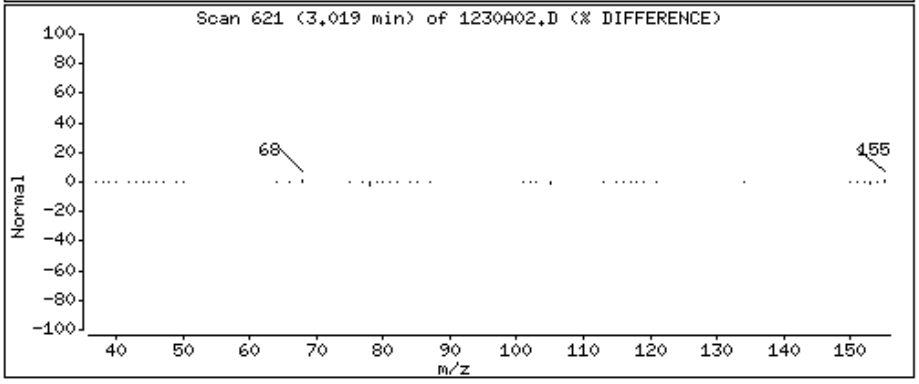












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

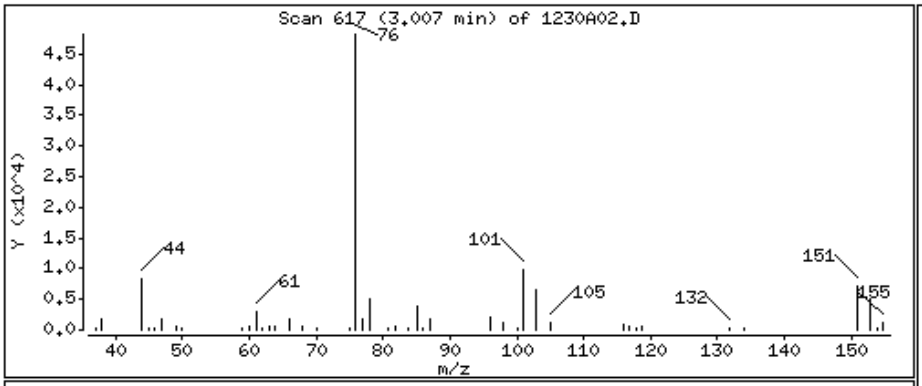
Operator: PD

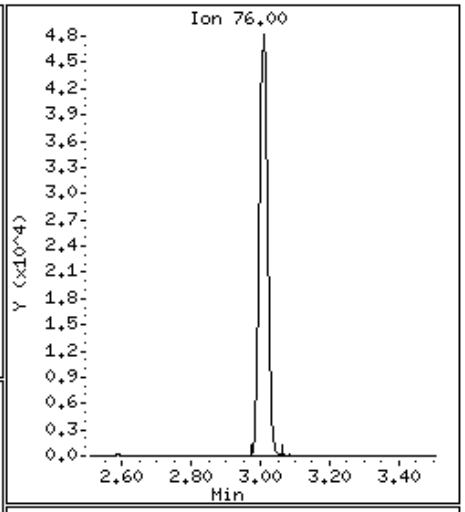
Column phase:

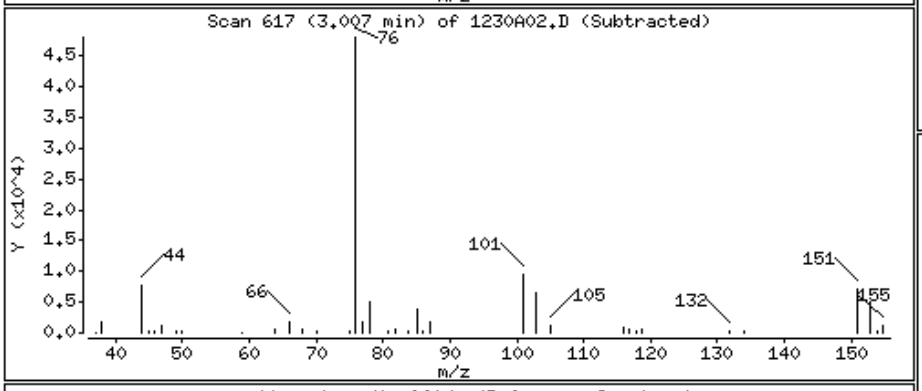
Column diameter: 0.18

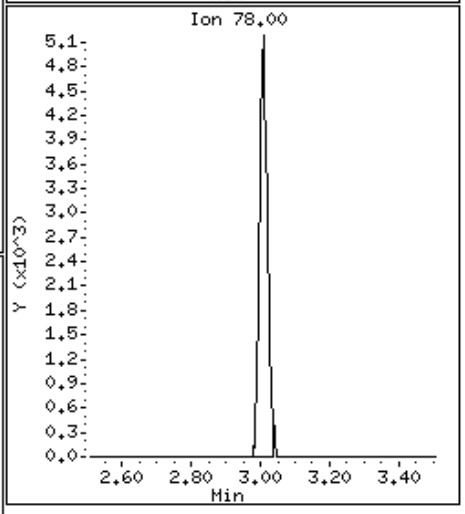
10 carbon disulfide

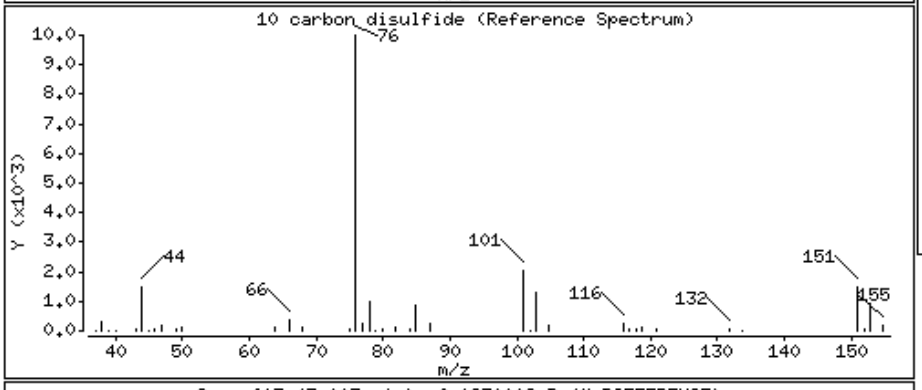
Concentration: 6.483 ngs

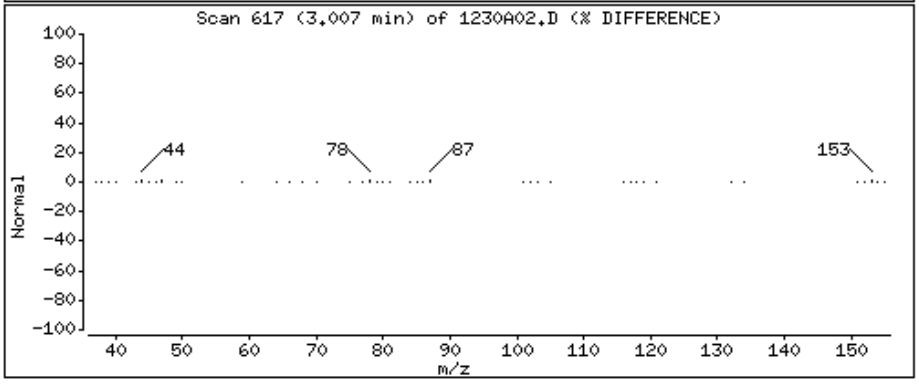












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

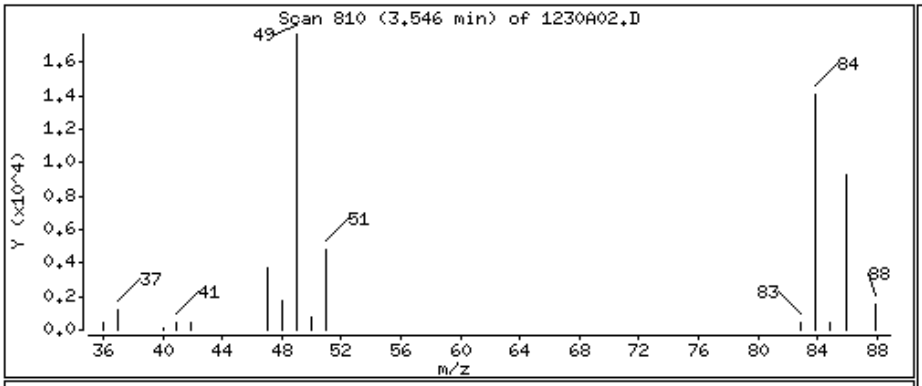
Operator: PD

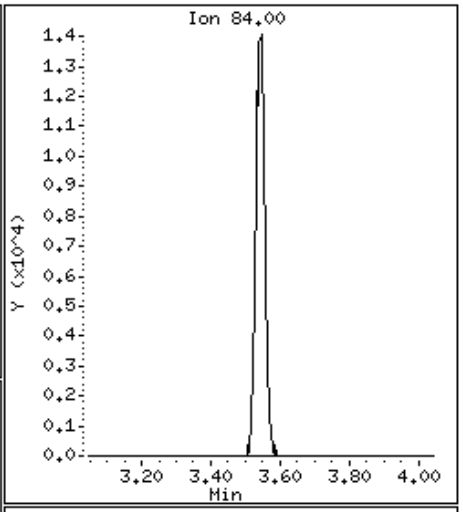
Column phase:

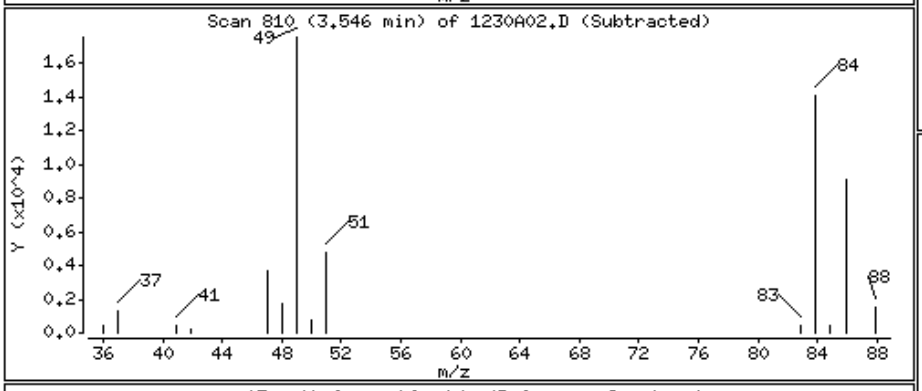
Column diameter: 0.18

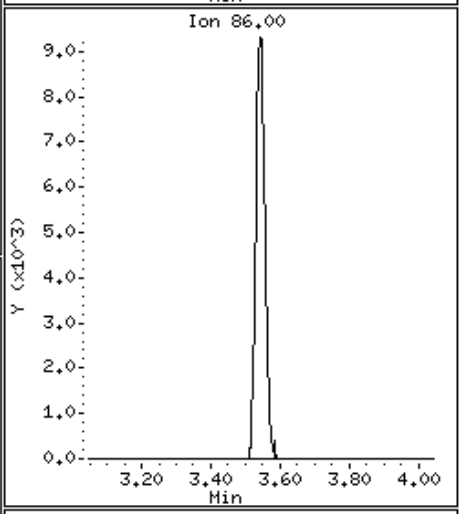
15 methylene chloride

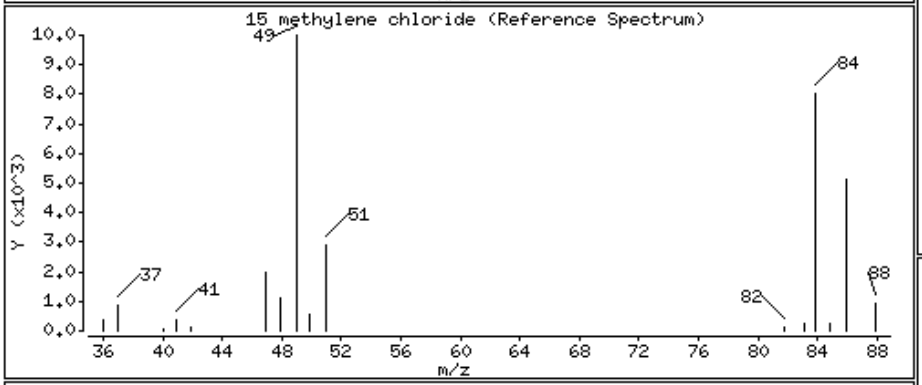
Concentration: 10.024 ngs

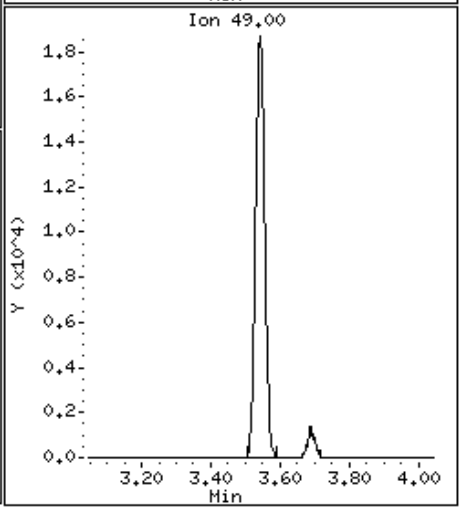


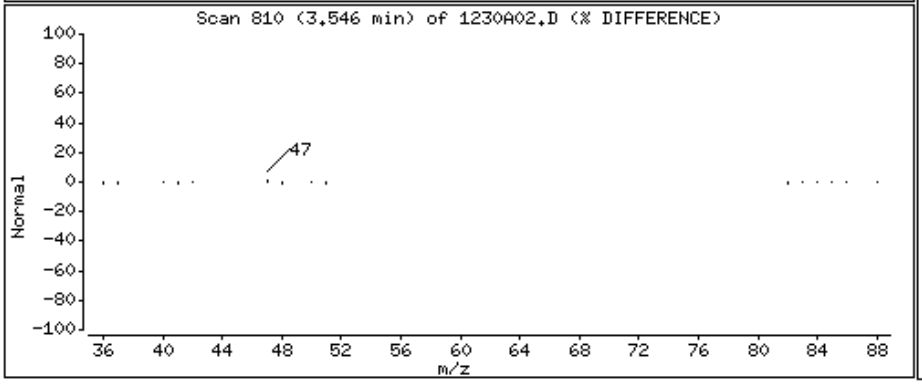












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

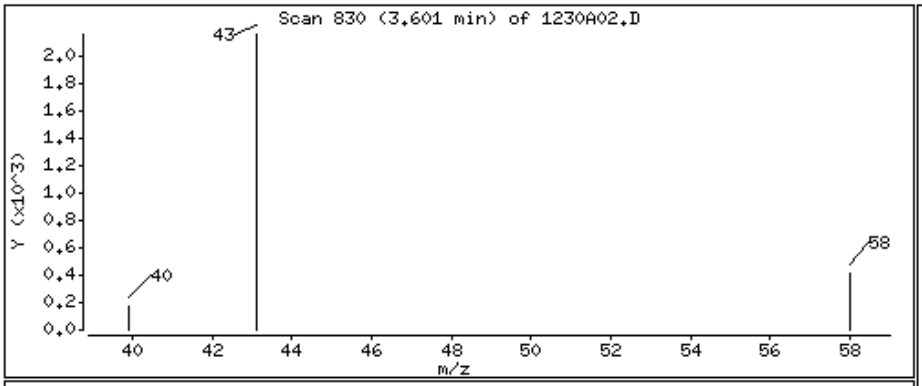
Operator: PD

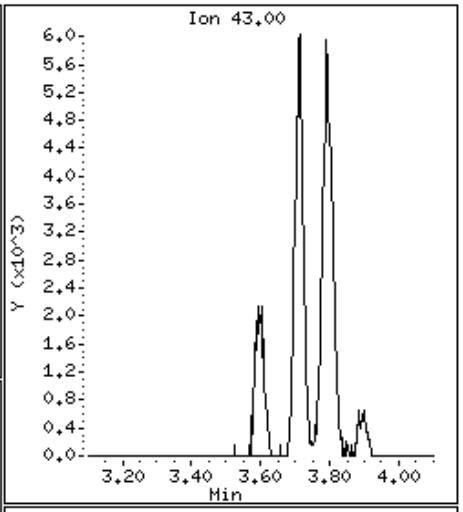
Column phase:

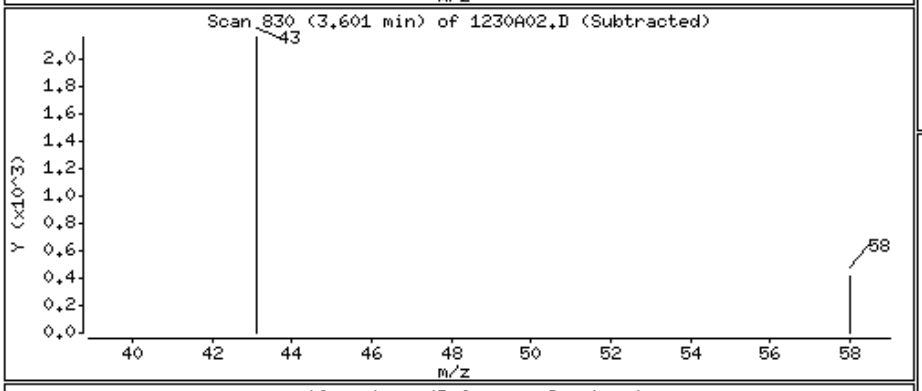
Column diameter: 0.18

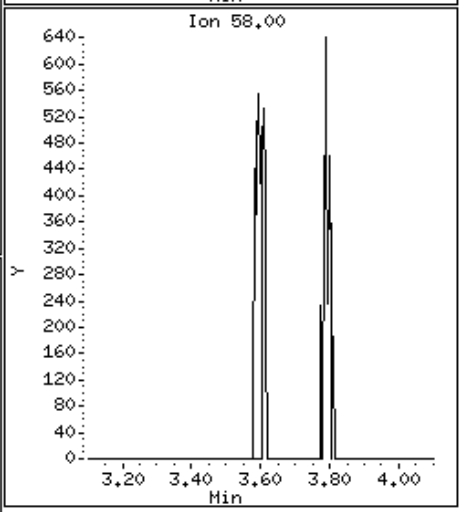
16 acetone

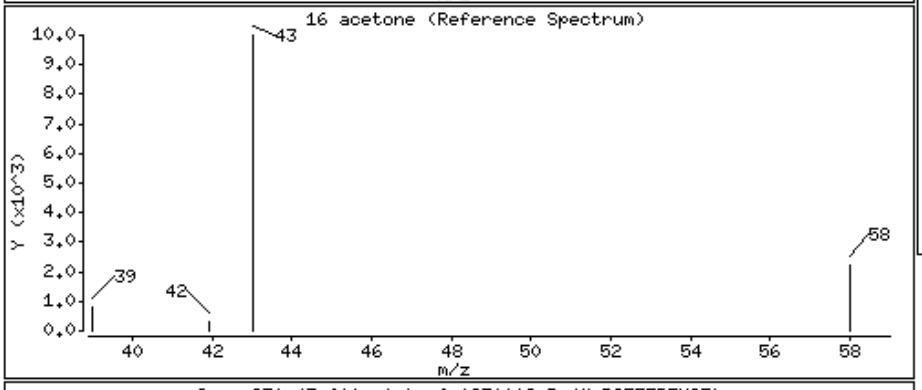
Concentration: 5.872 ngs

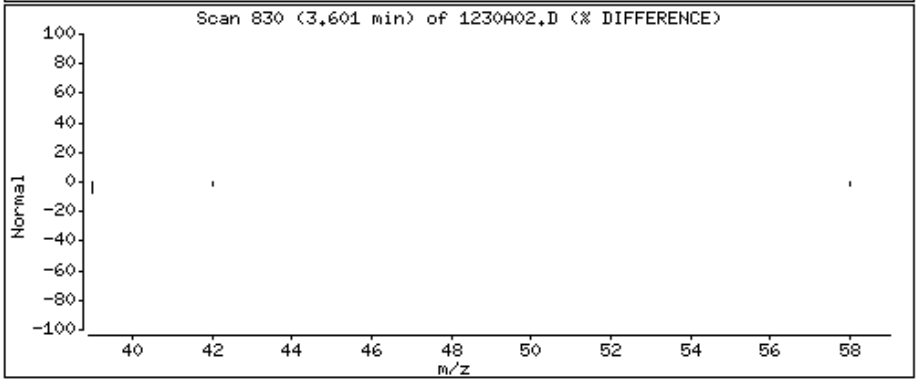












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

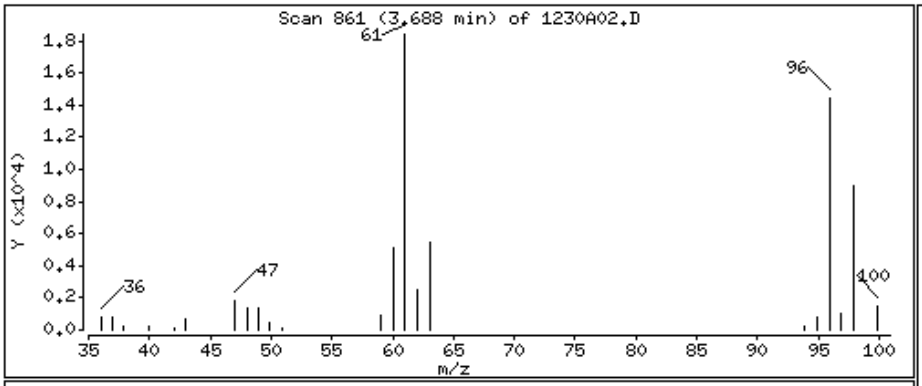
Operator: PD

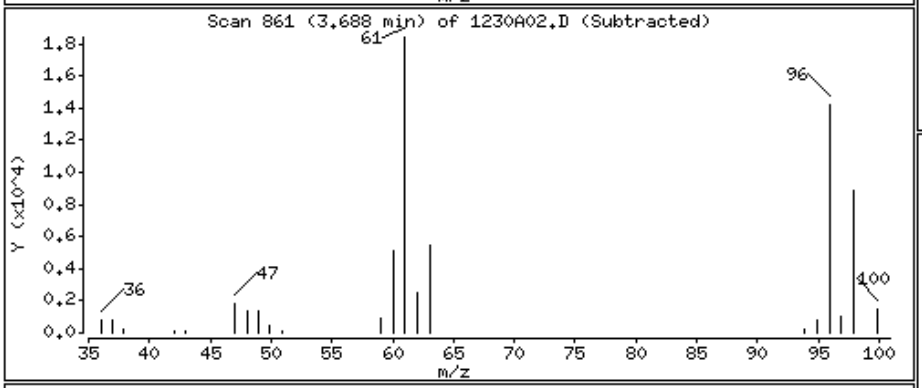
Column phase:

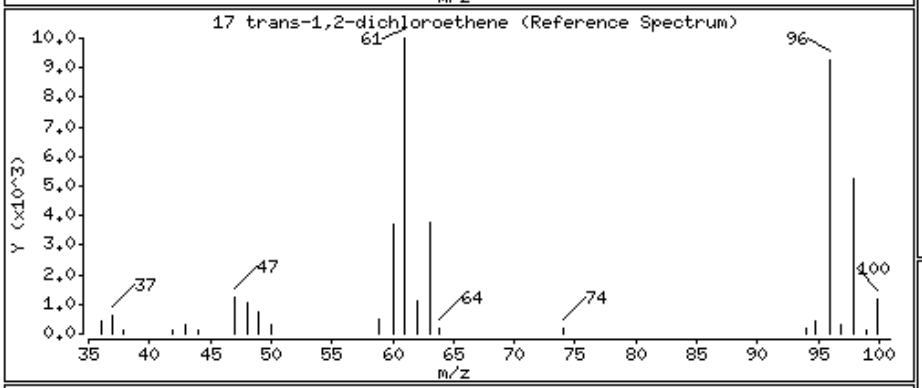
Column diameter: 0.18

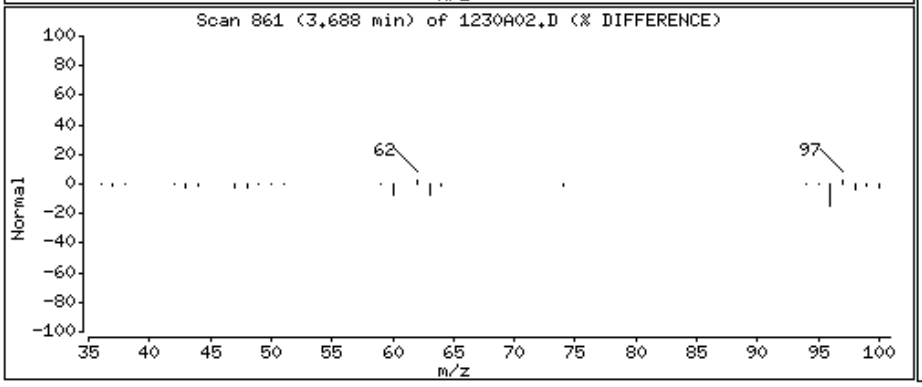
17 trans-1,2-dichloroethene

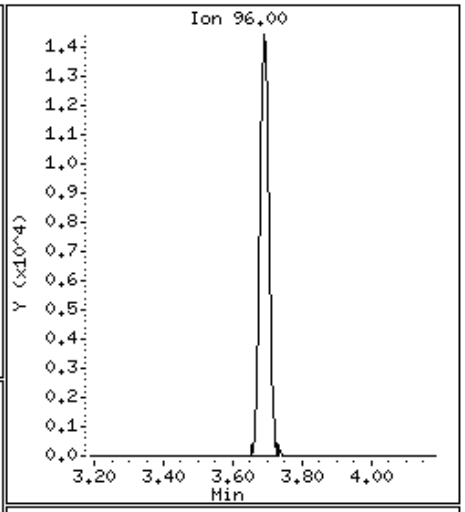
Concentration: 10.334 ngs

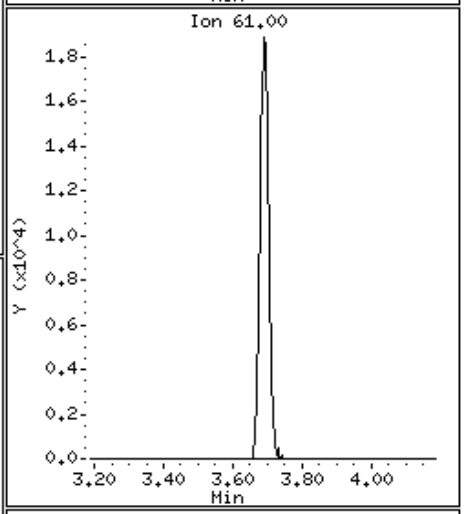


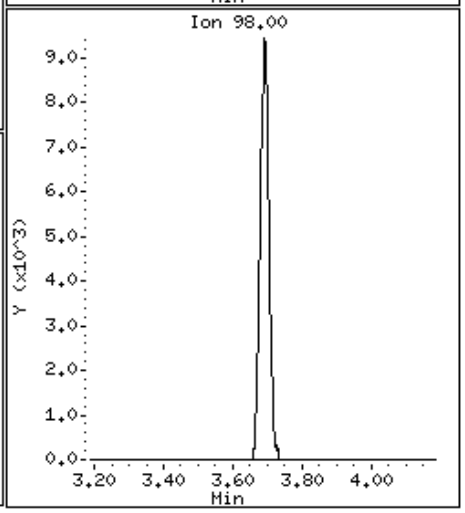












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

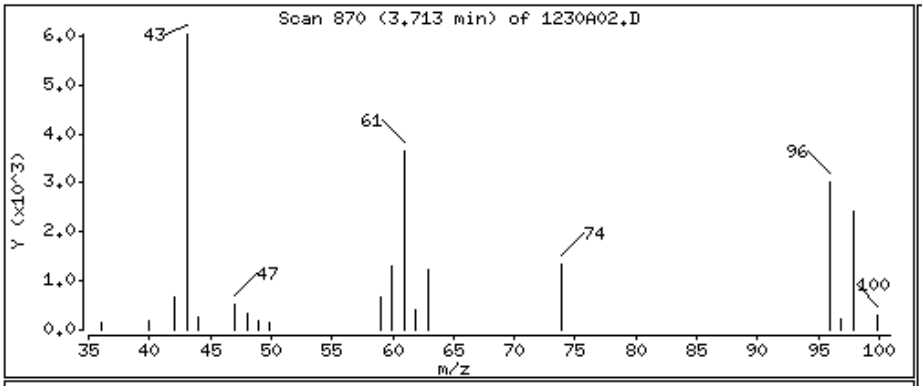
Operator: PD

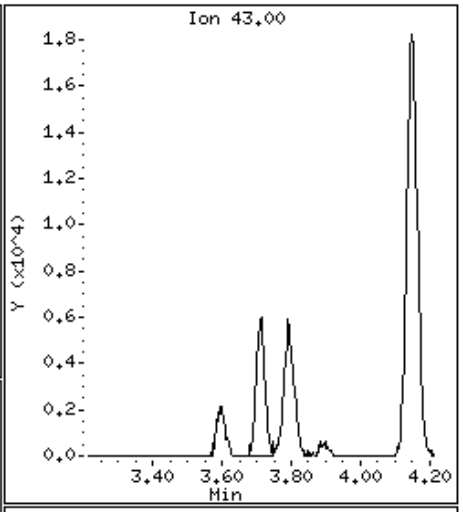
Column phase:

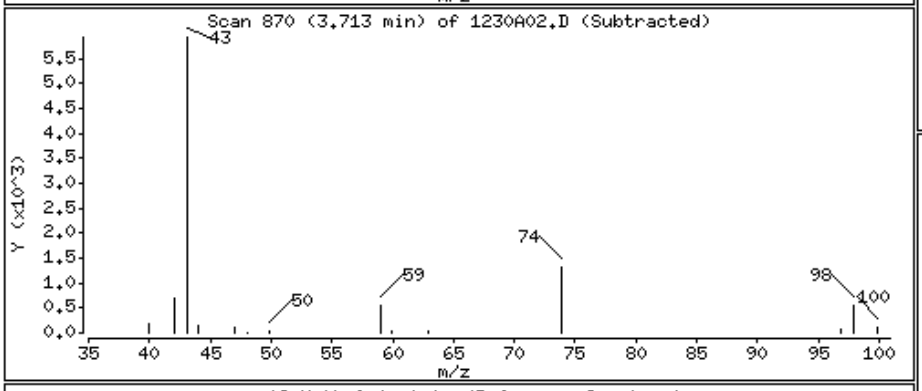
Column diameter: 0.18

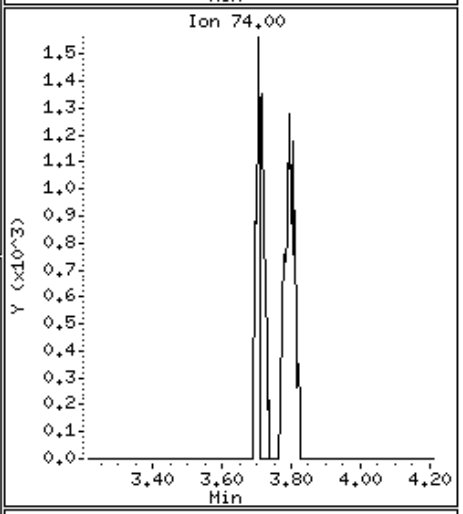
18 Methyl Acetate

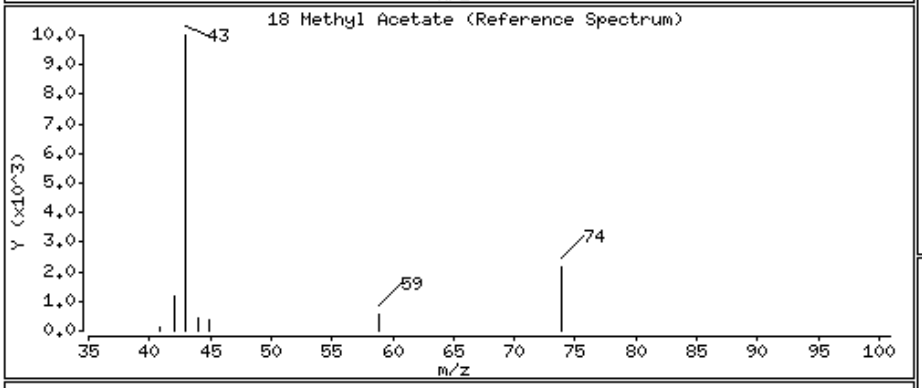
Concentration: 9.488 ngs

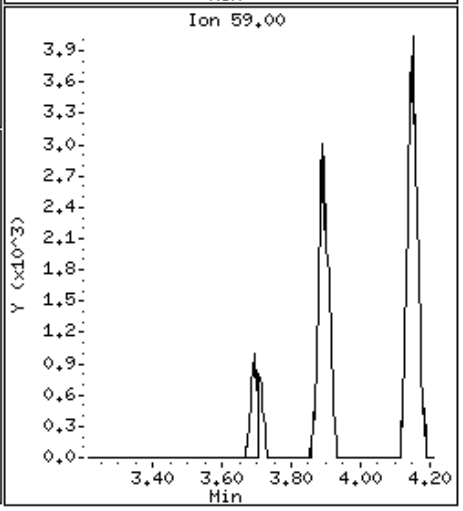


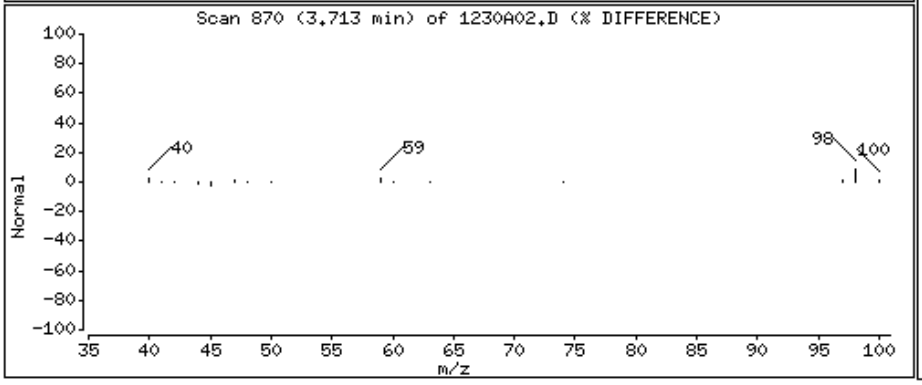












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

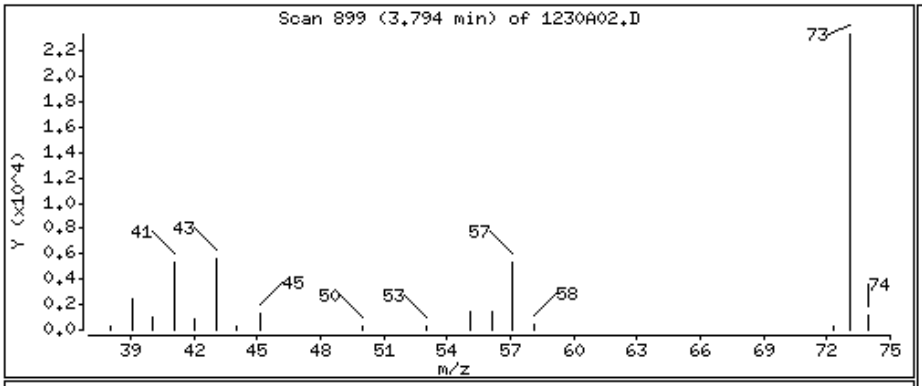
Operator: PD

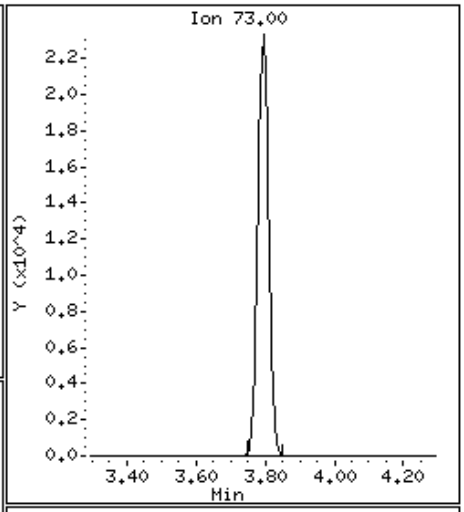
Column phase:

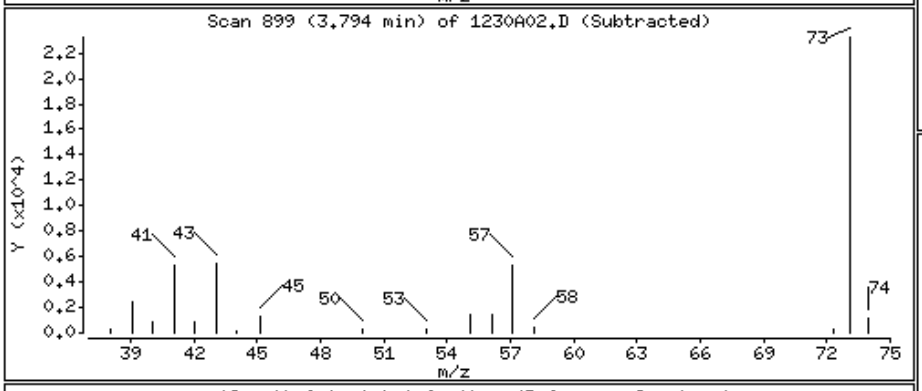
Column diameter: 0.18

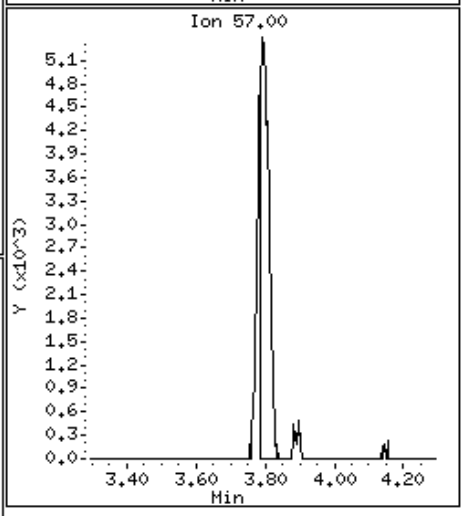
19 methyl tert butyl ether

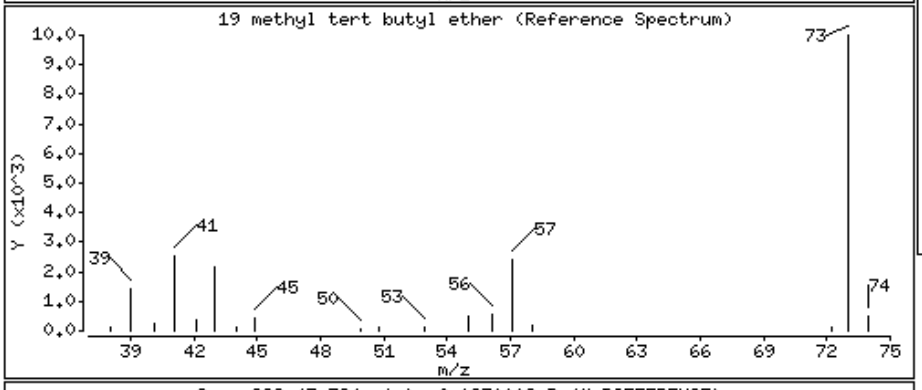
Concentration: 8.899 ngs

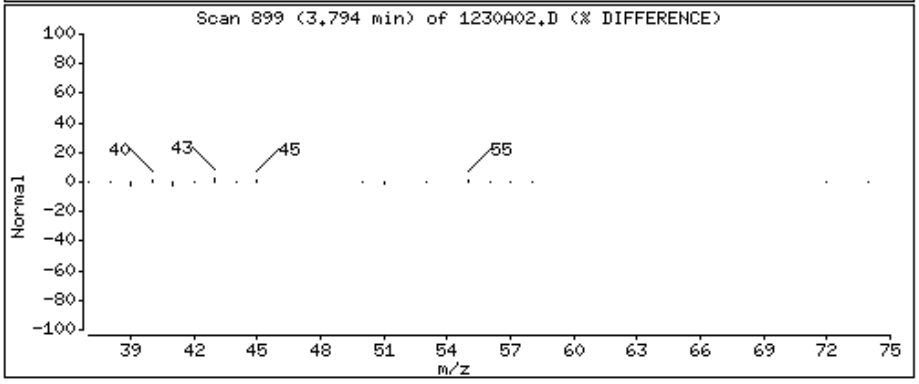












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

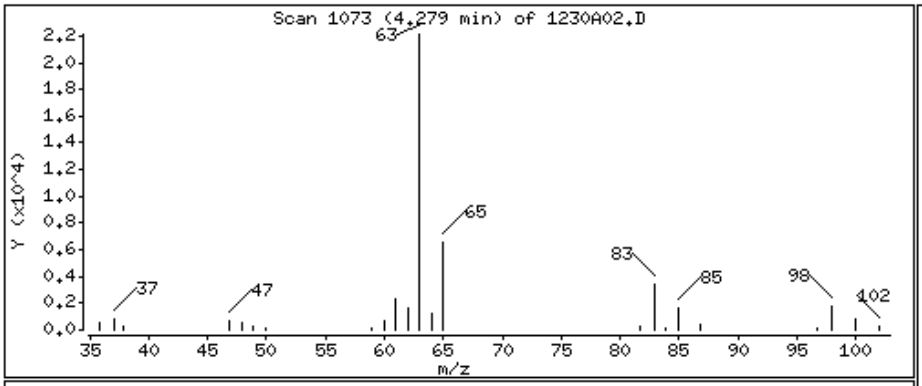
Operator: PD

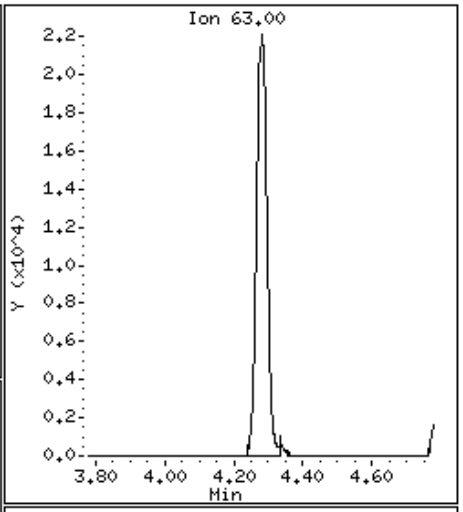
Column phase:

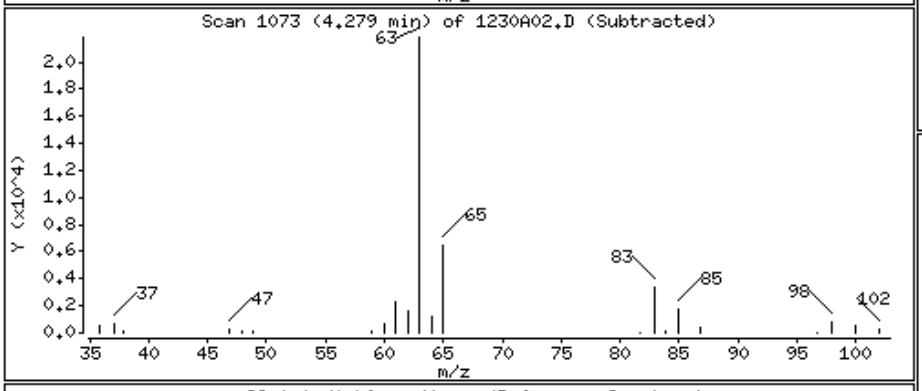
Column diameter: 0.18

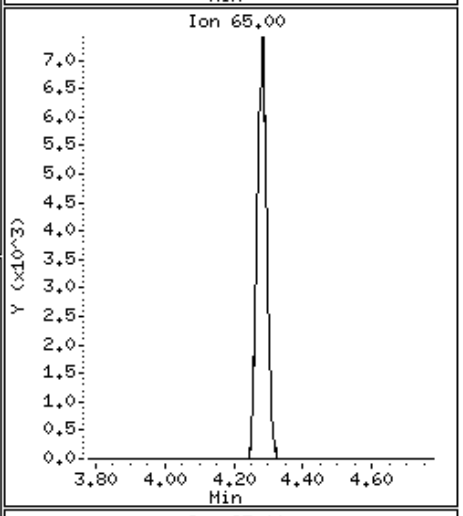
22 1,1-dichloroethane

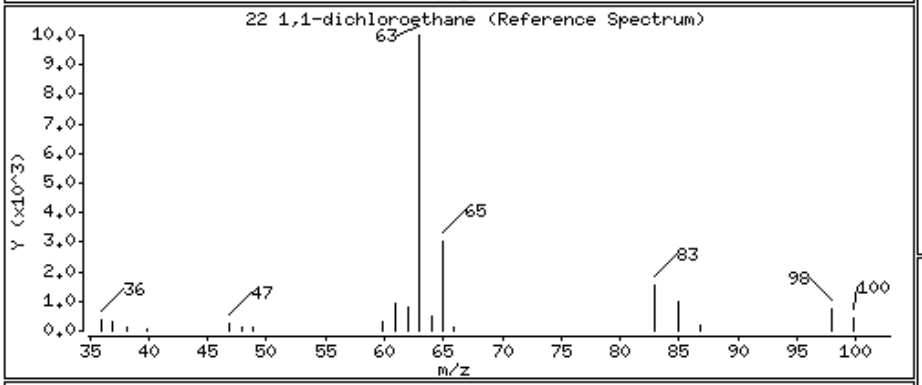
Concentration: 10.179 ngs

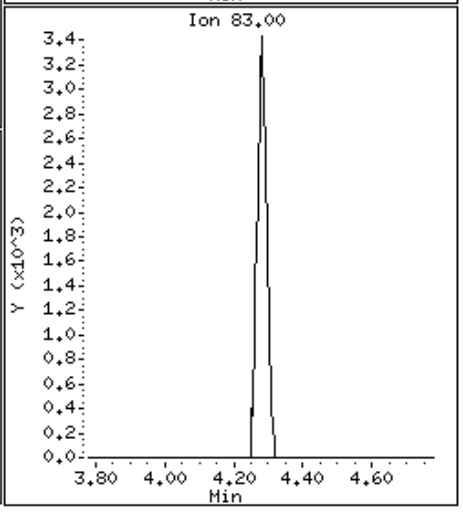


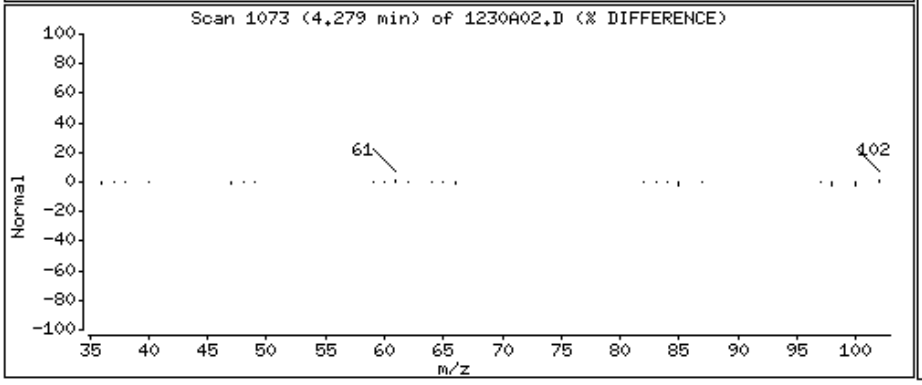












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

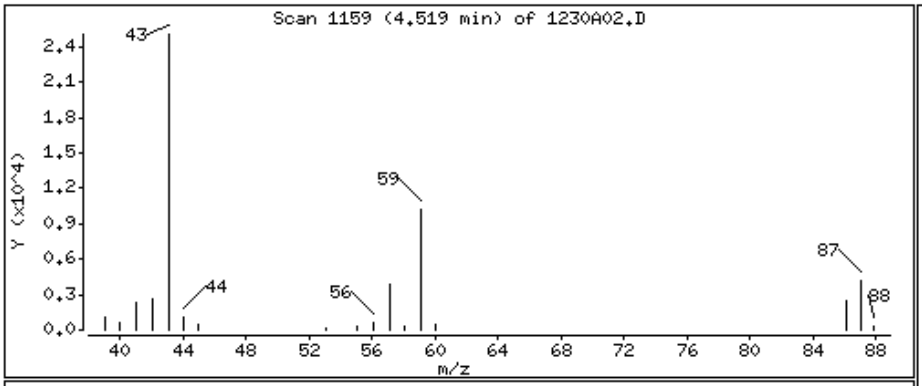
Operator: PD

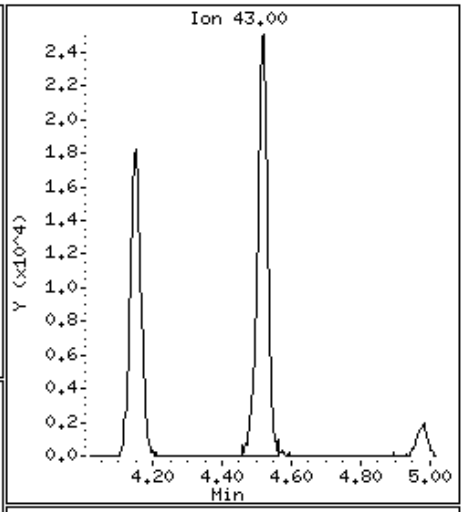
Column phase:

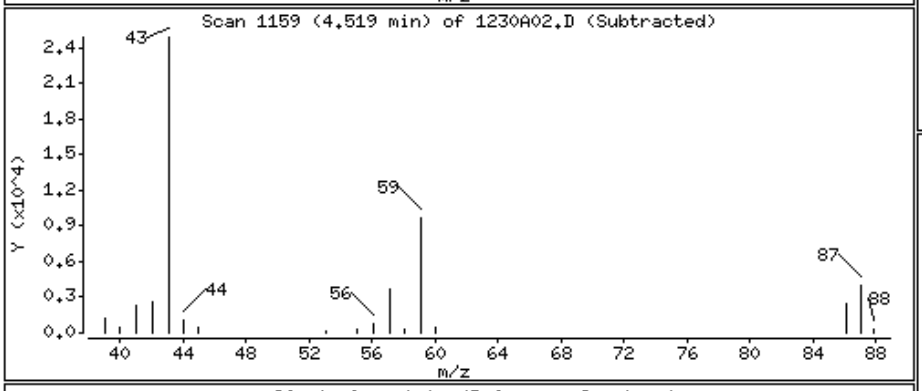
Column diameter: 0.18

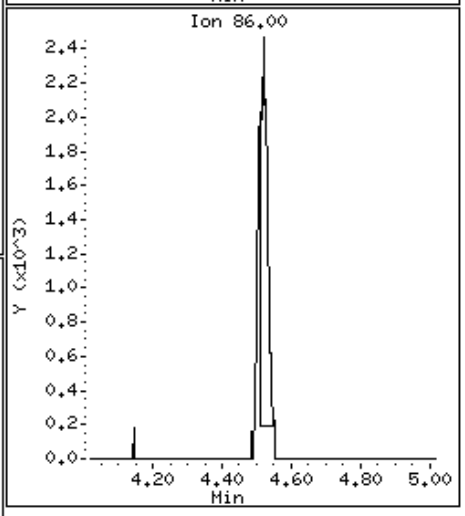
26 vinyl acetate

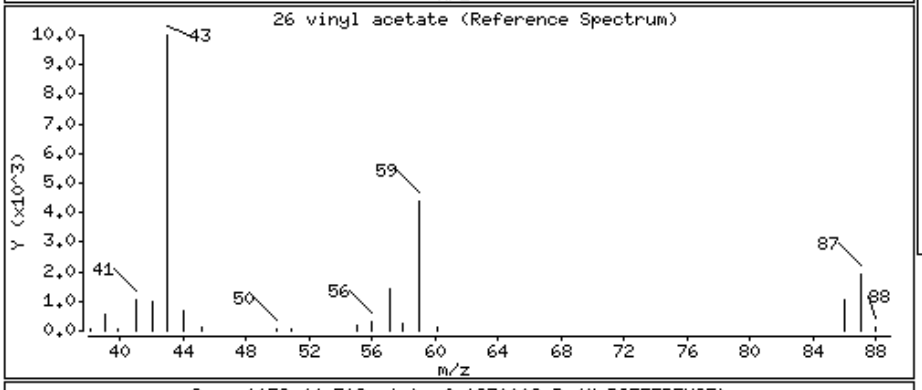
Concentration: 9.340 ngs

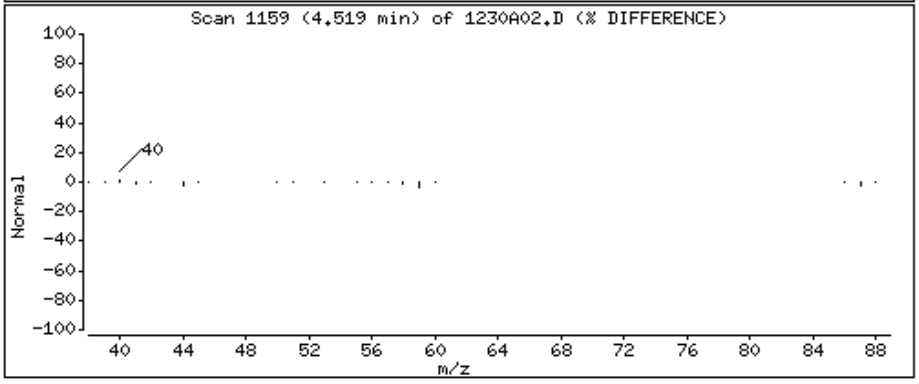












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

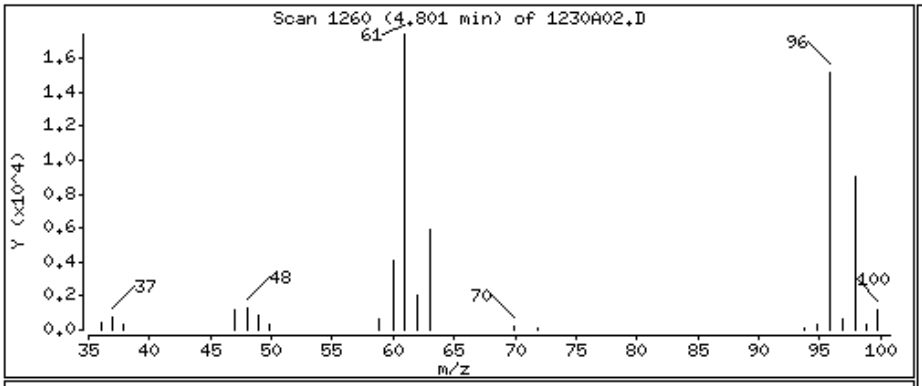
Operator: PD

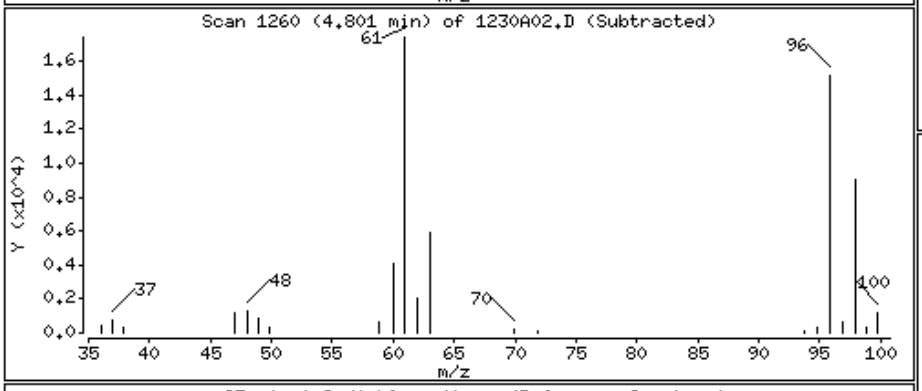
Column phase:

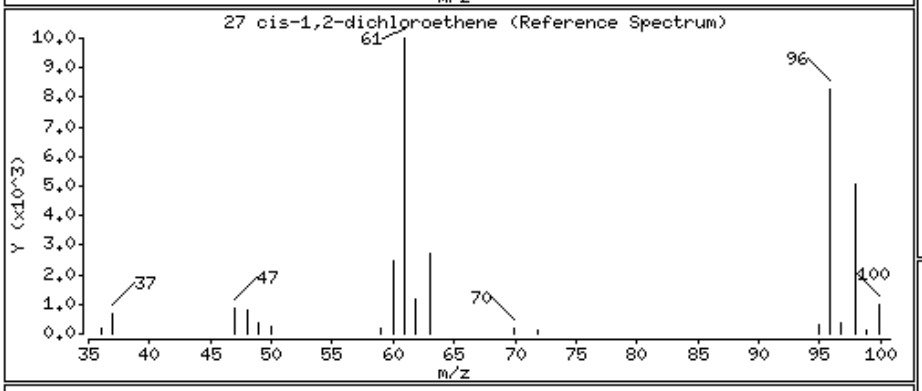
Column diameter: 0.18

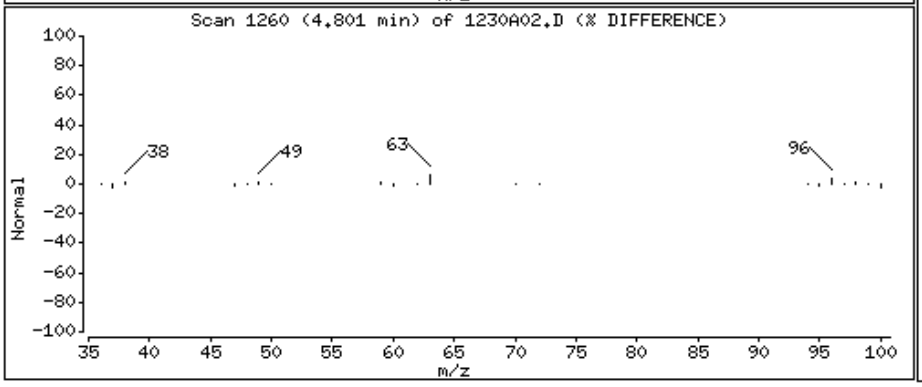
27 cis-1,2-dichloroethene

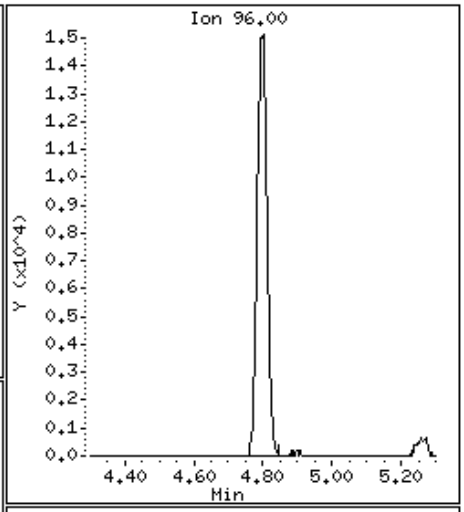
Concentration: 9.900 ngs

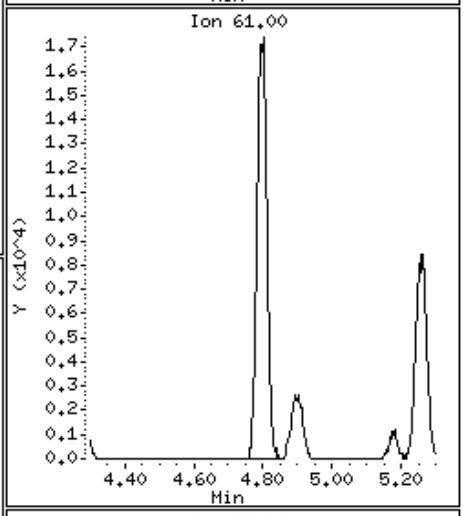


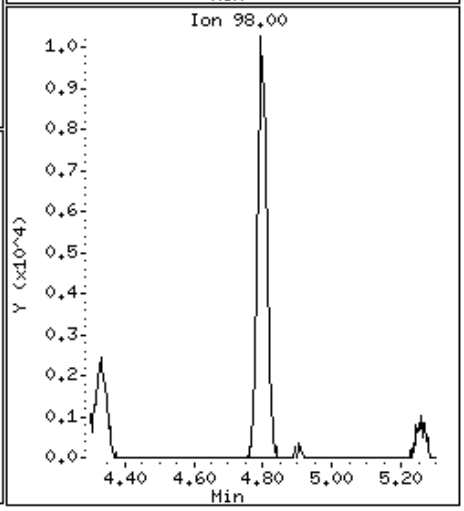












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

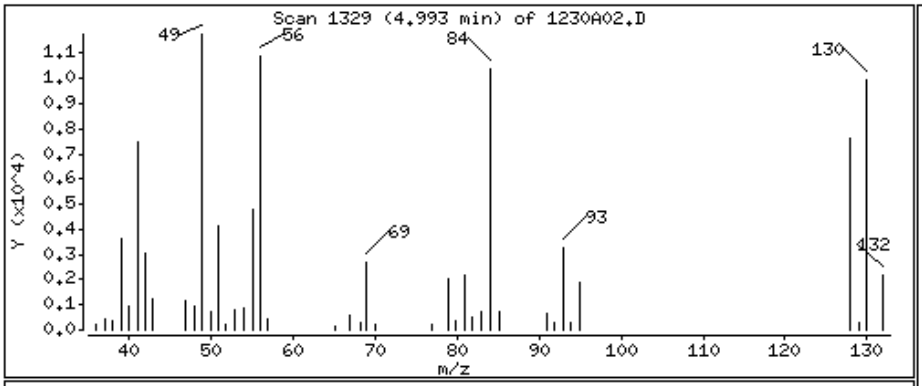
Operator: PD

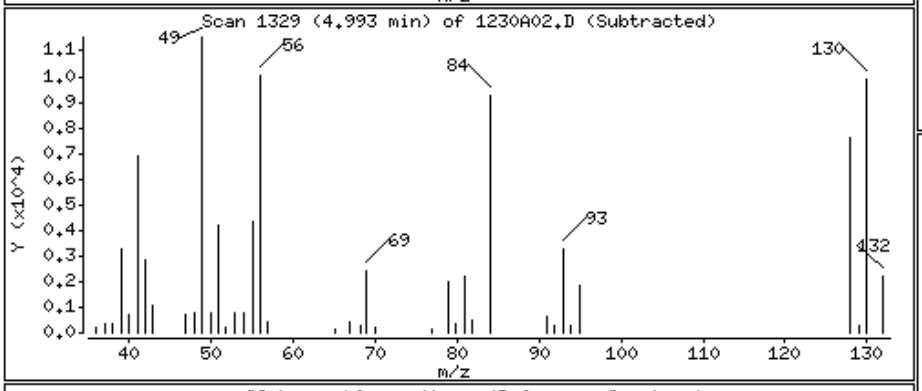
Column phase:

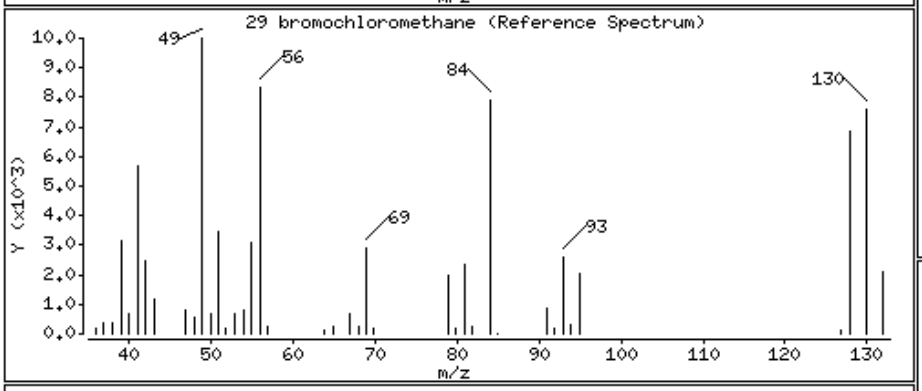
Column diameter: 0.18

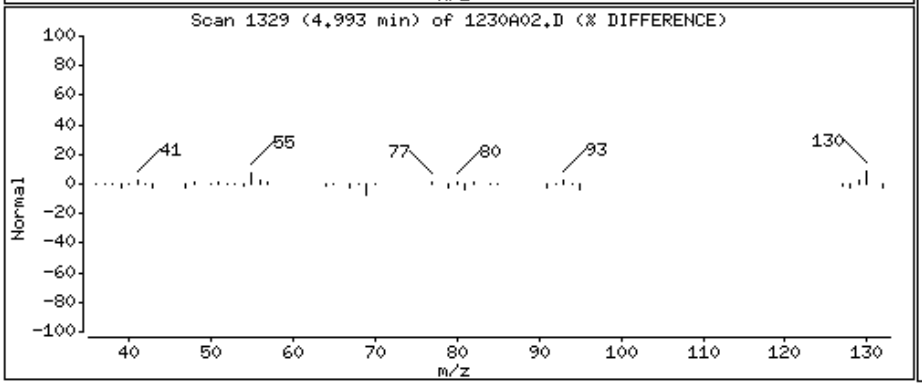
29 bromochloromethane

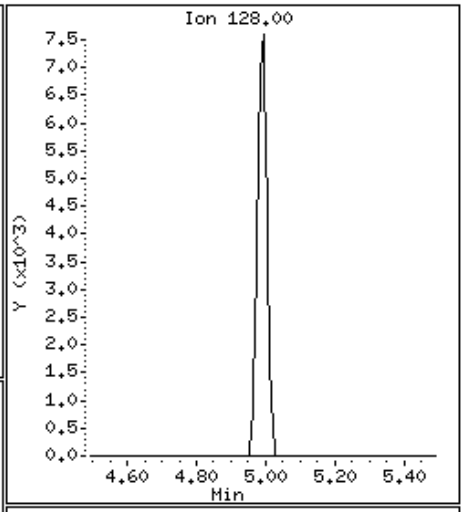
Concentration: 10.326 ngs

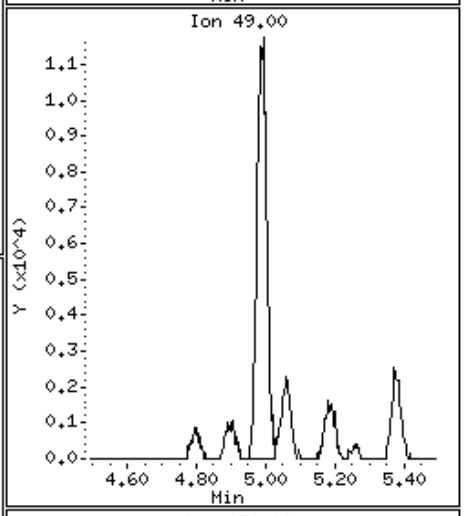


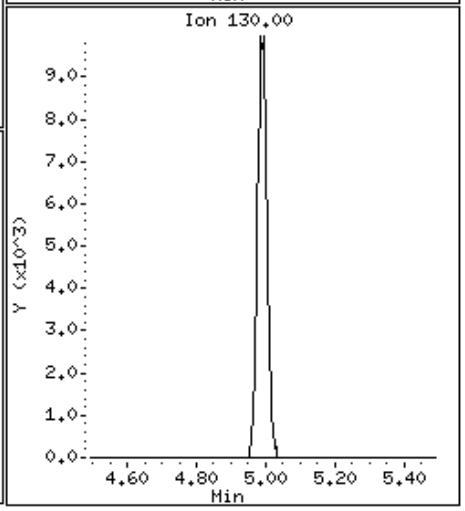












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

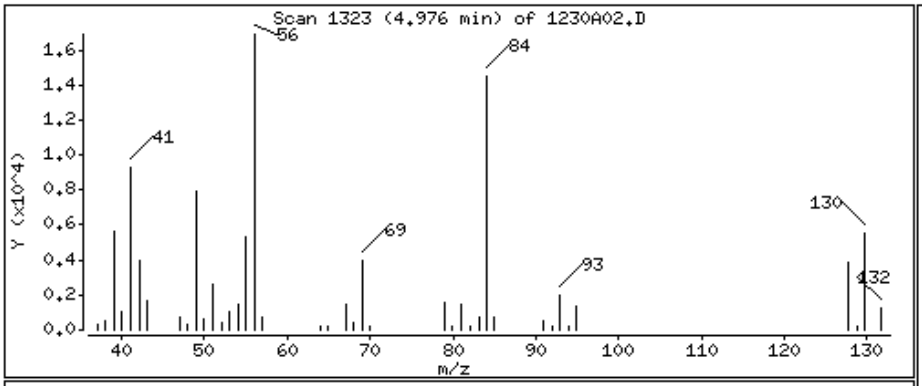
Operator: PD

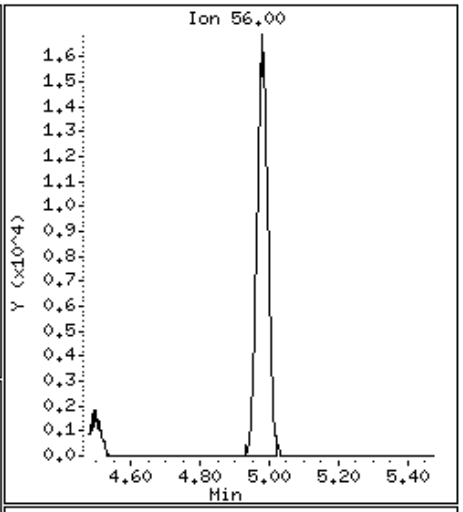
Column phase:

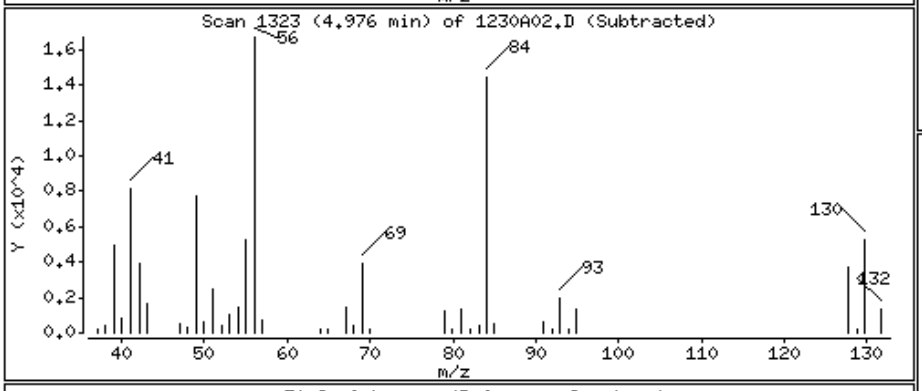
Column diameter: 0.18

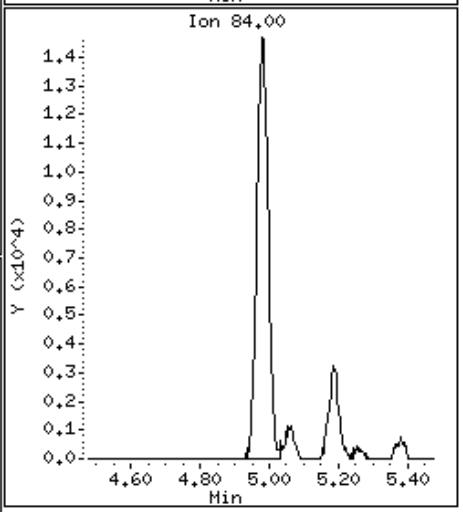
30 Cyclohexane

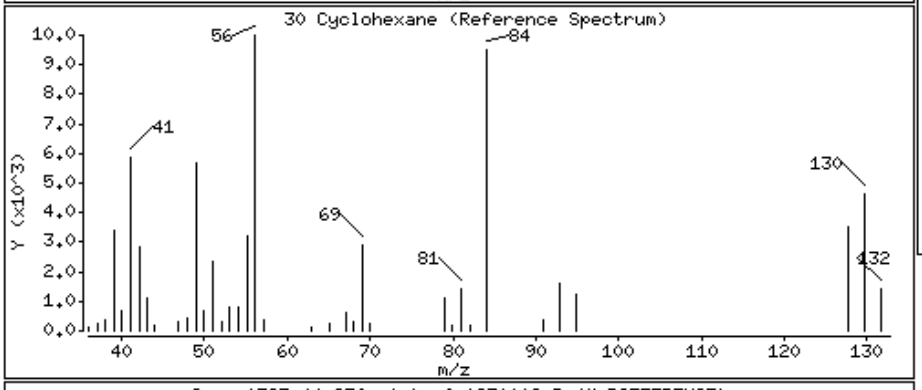
Concentration: 9.706 ngs

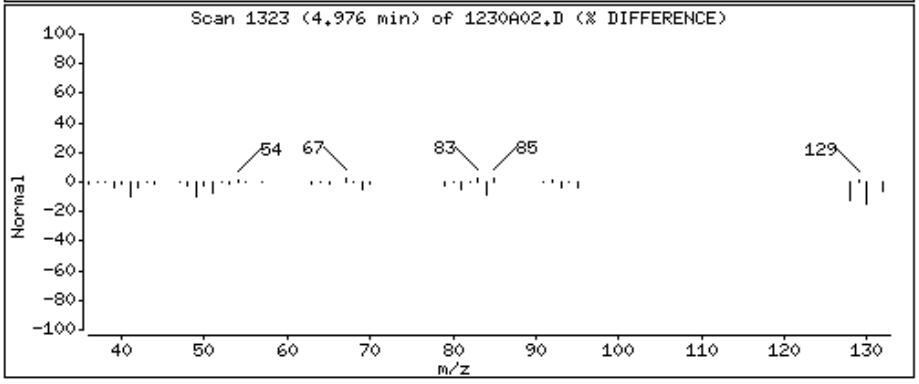












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

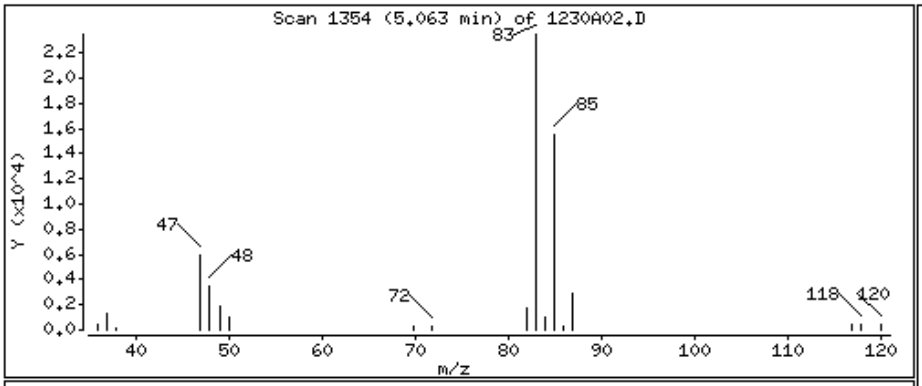
Operator: PD

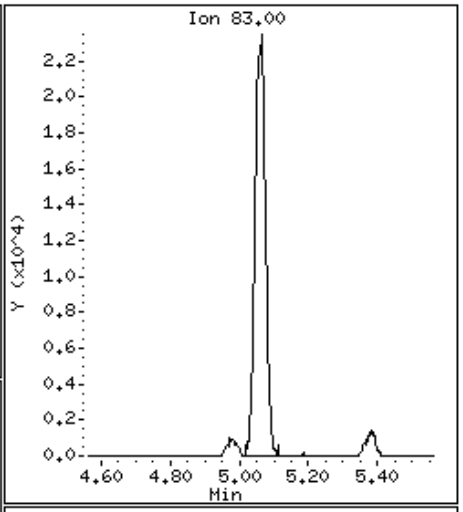
Column phase:

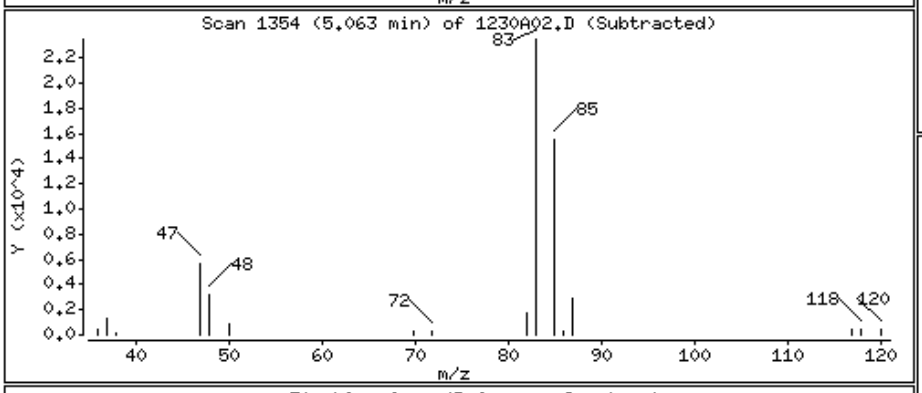
Column diameter: 0.18

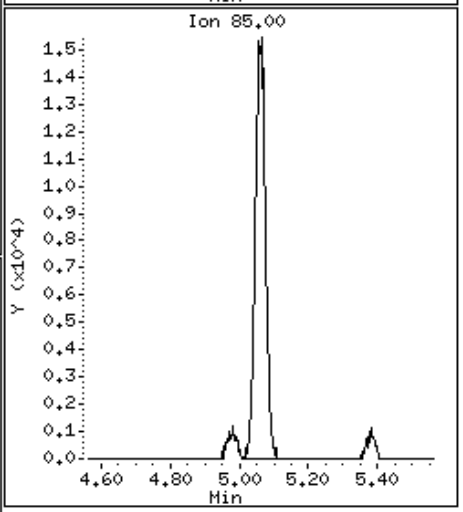
31 chloroform

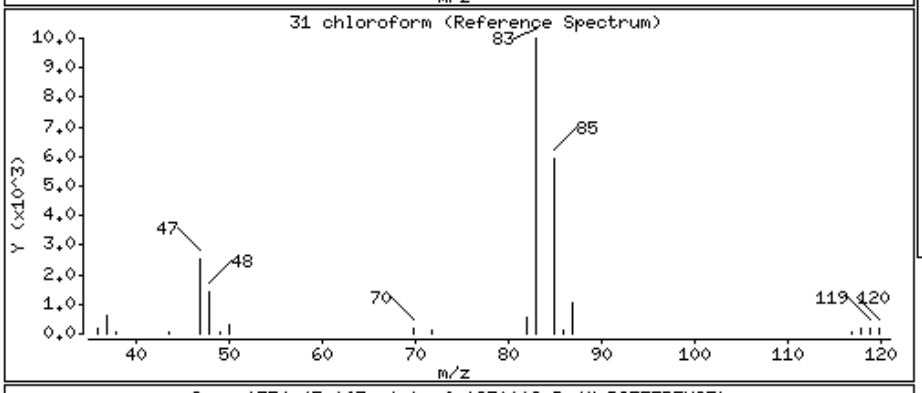
Concentration: 9.945 ngs

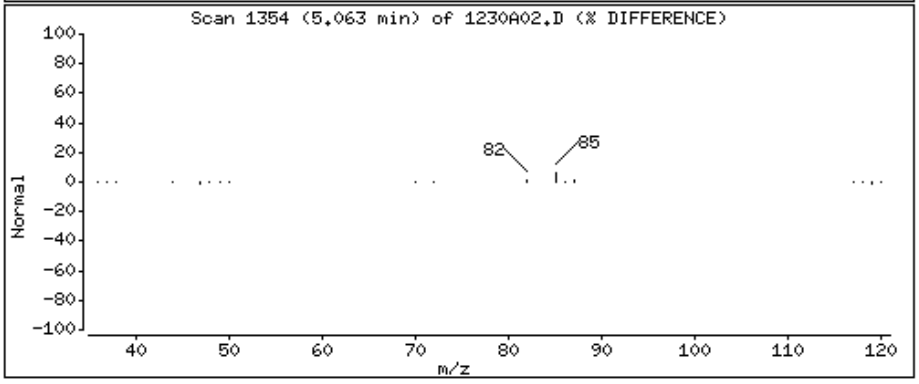












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

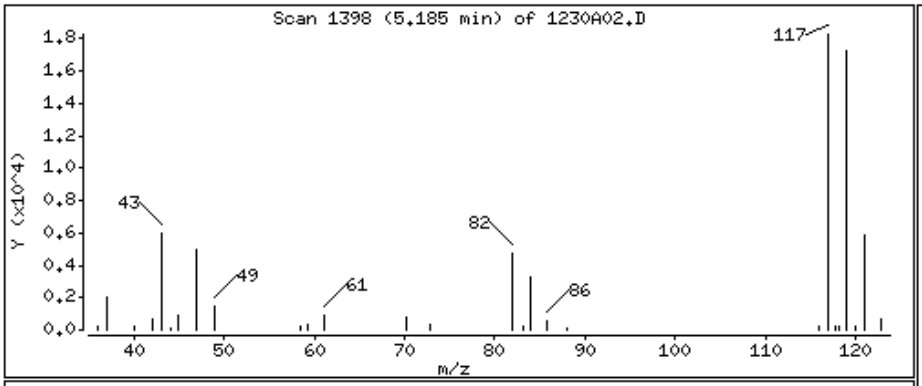
Operator: PD

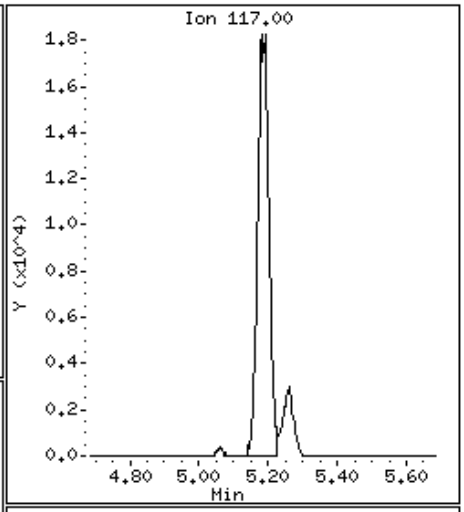
Column phase:

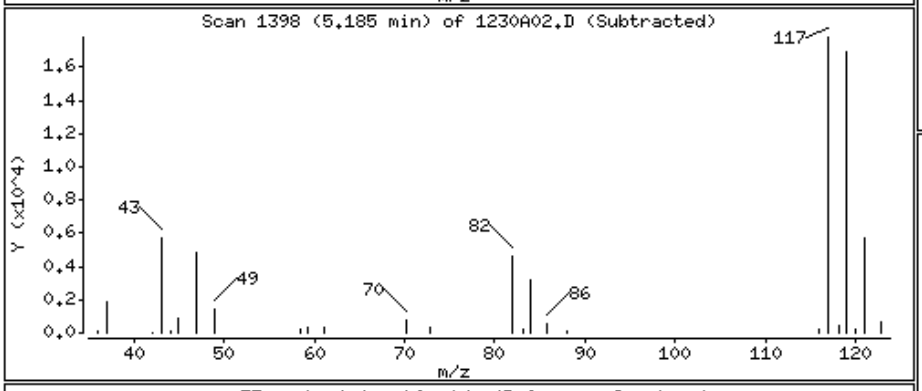
Column diameter: 0.18

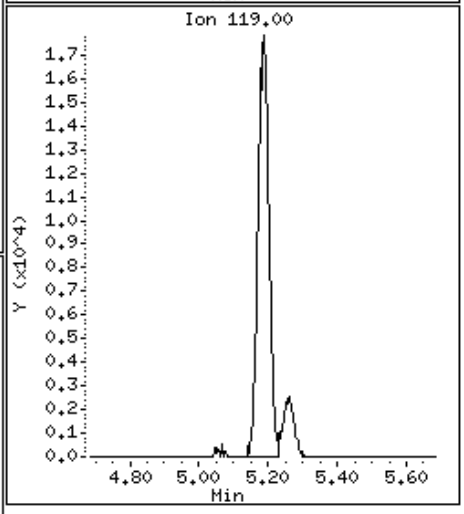
33 carbontetrachloride

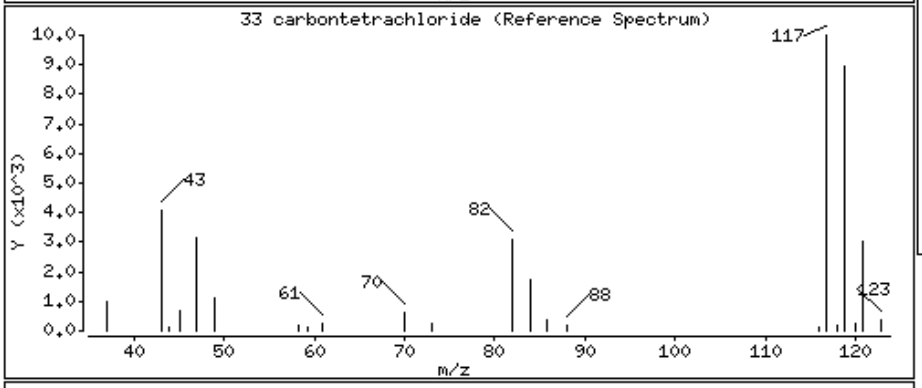
Concentration: 10.534 ngs

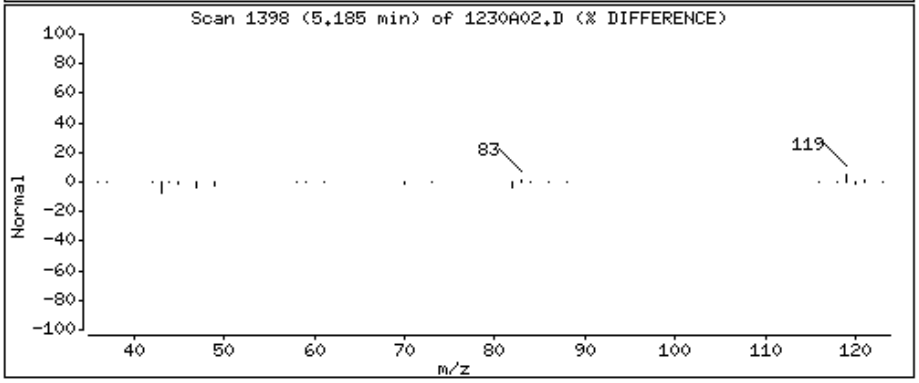












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

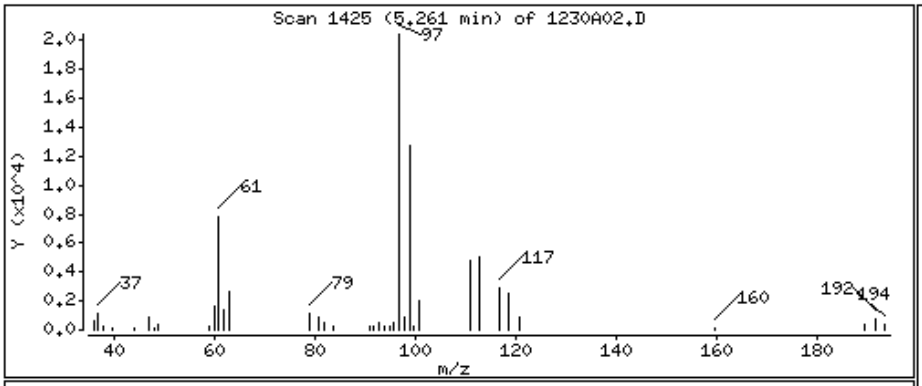
Operator: PD

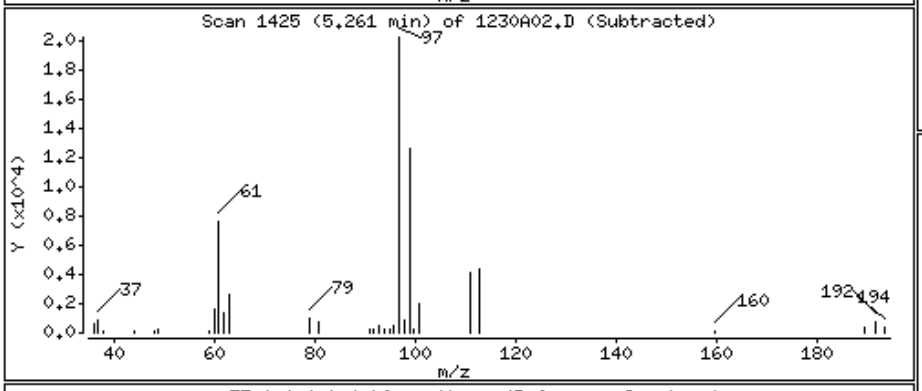
Column phase:

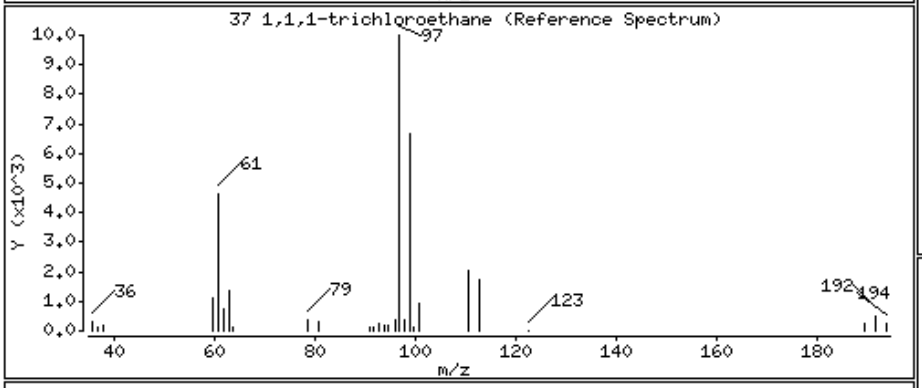
Column diameter: 0.18

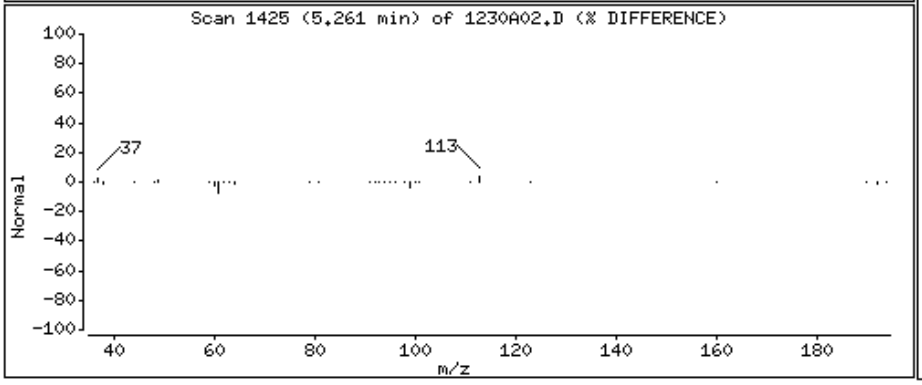
37 1,1,1-trichloroethane

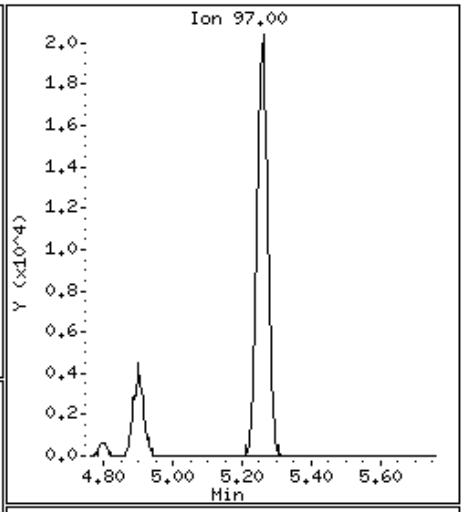
Concentration: 10.374 ngs

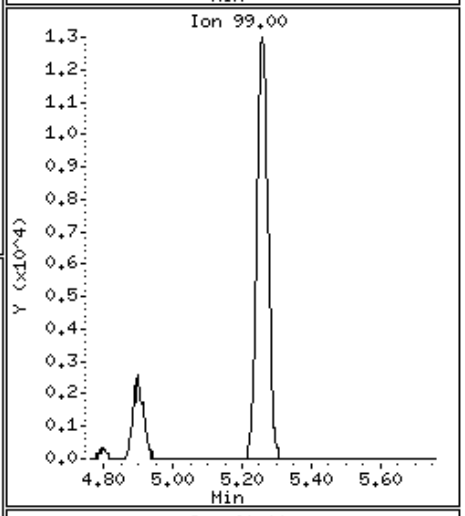


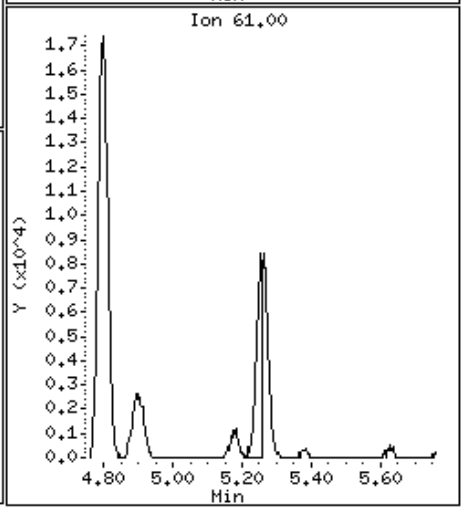












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

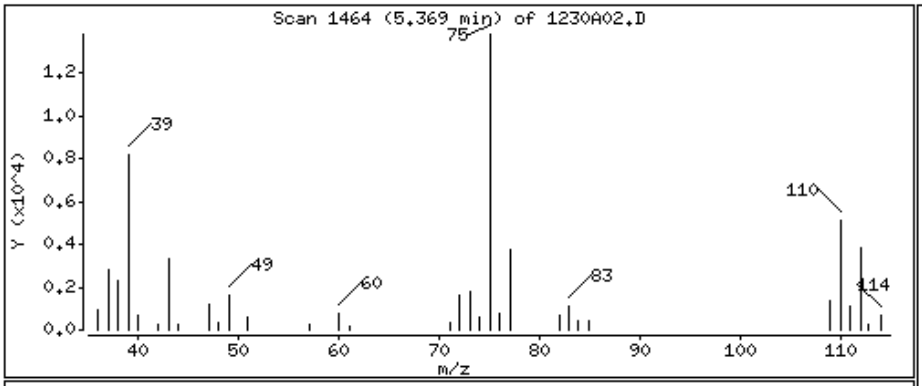
Operator: PD

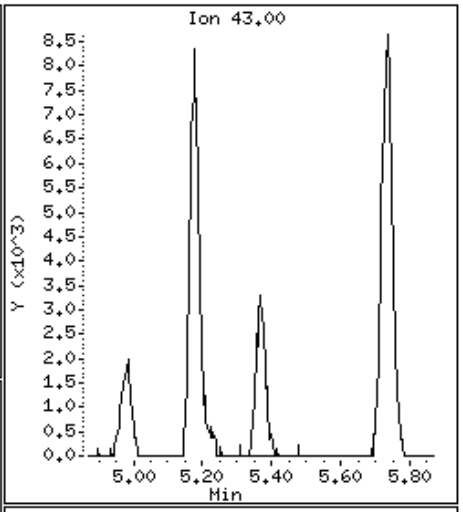
Column phase:

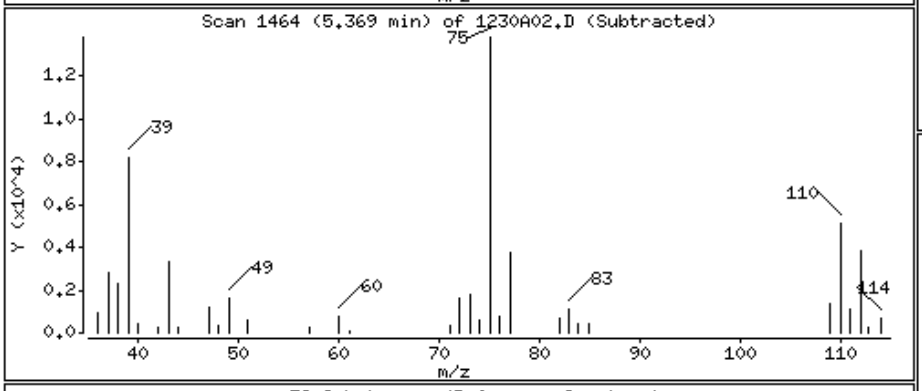
Column diameter: 0.18

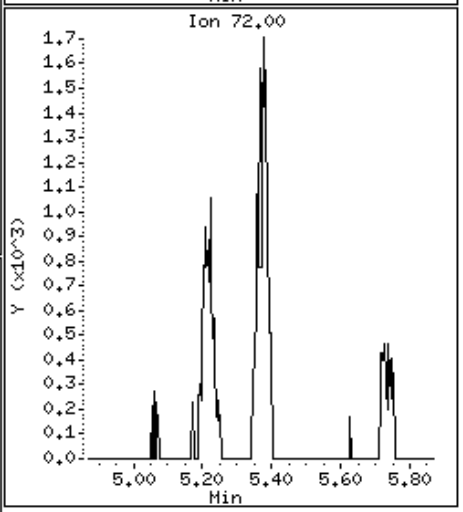
38 2-butanone

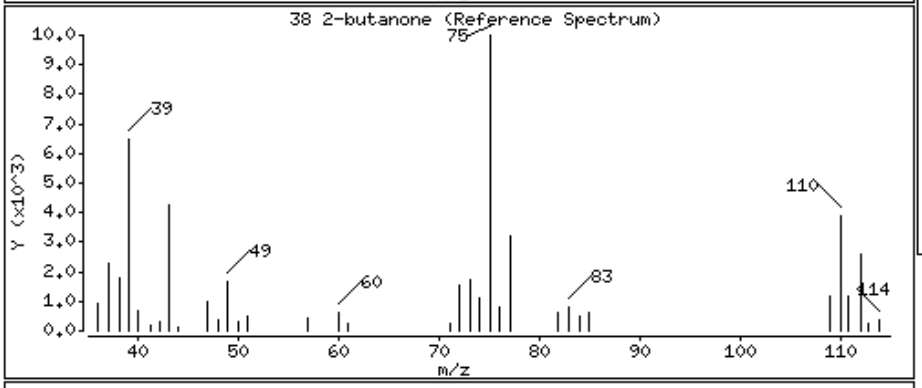
Concentration: 7.489 ngs

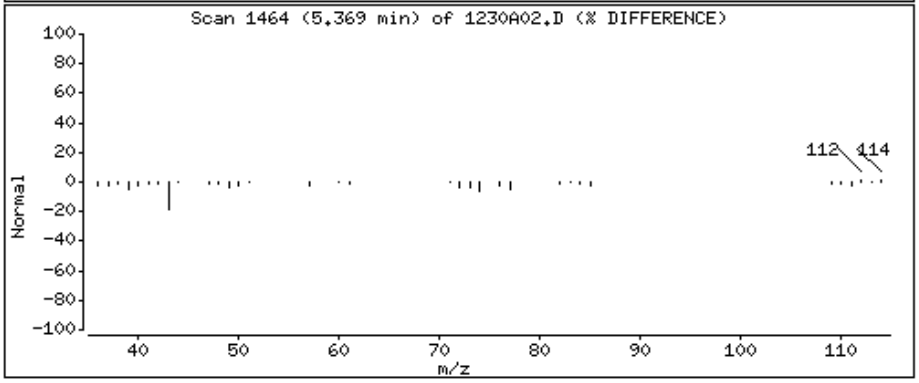












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

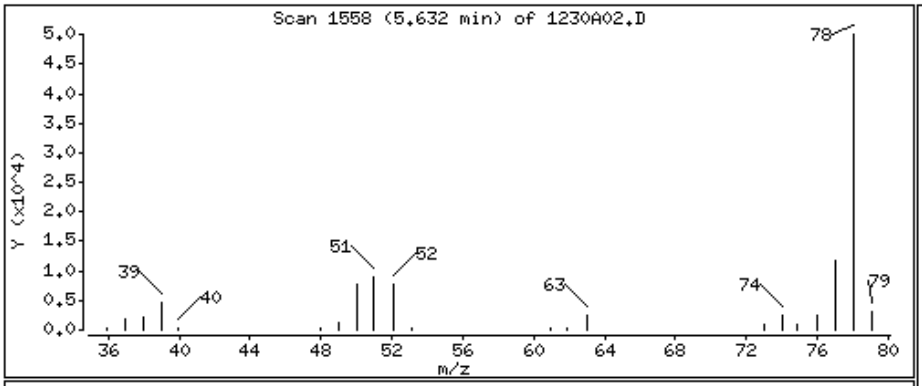
Operator: PD

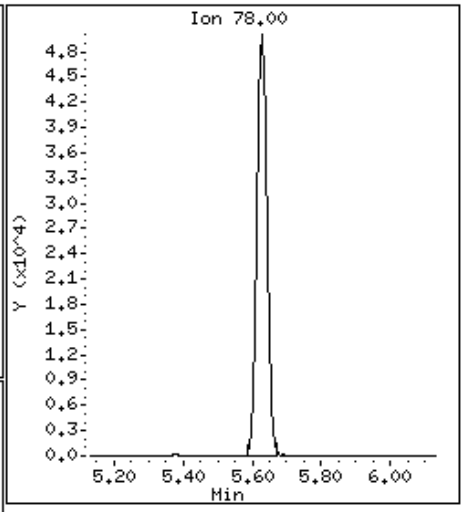
Column phase:

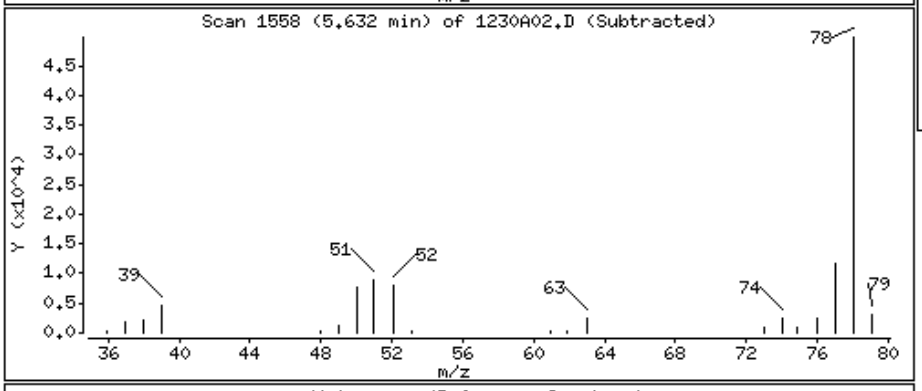
Column diameter: 0.18

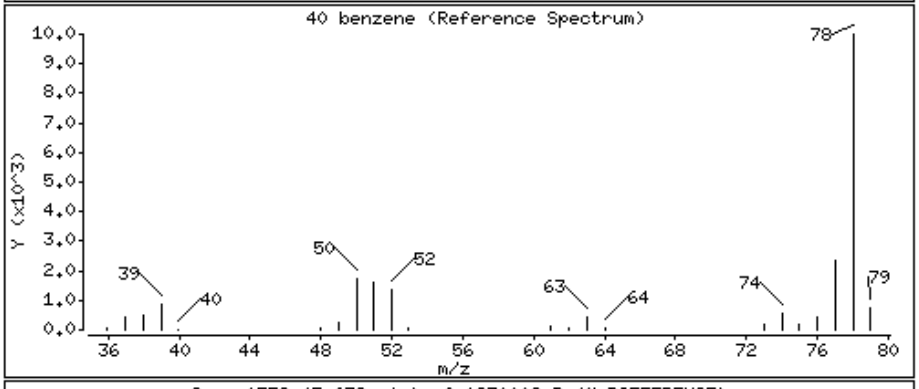
40 benzene

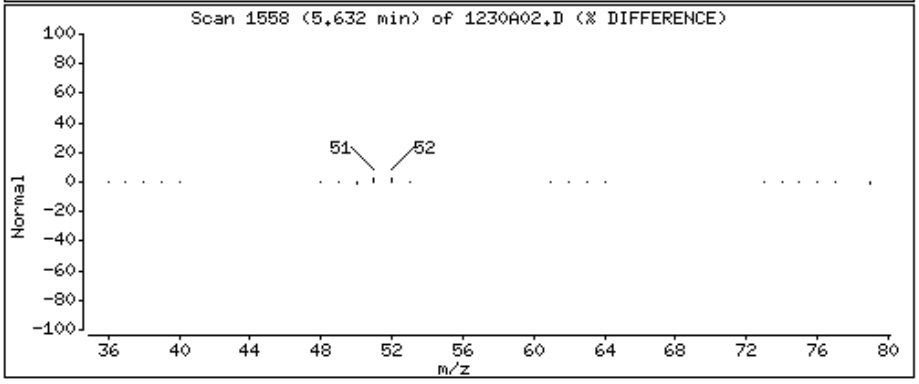
Concentration: 9.658 ngs











Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

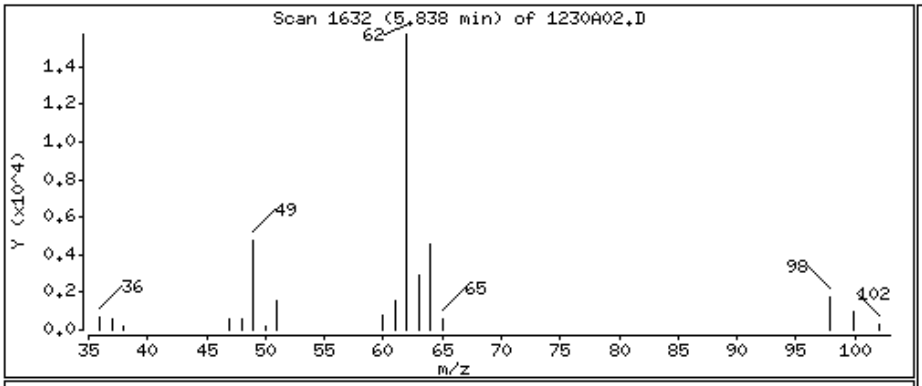
Operator: PD

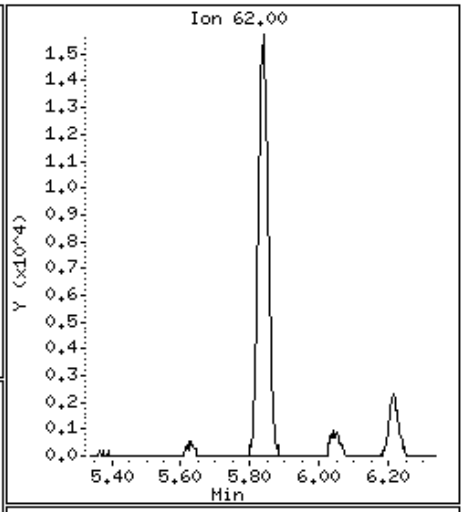
Column phase:

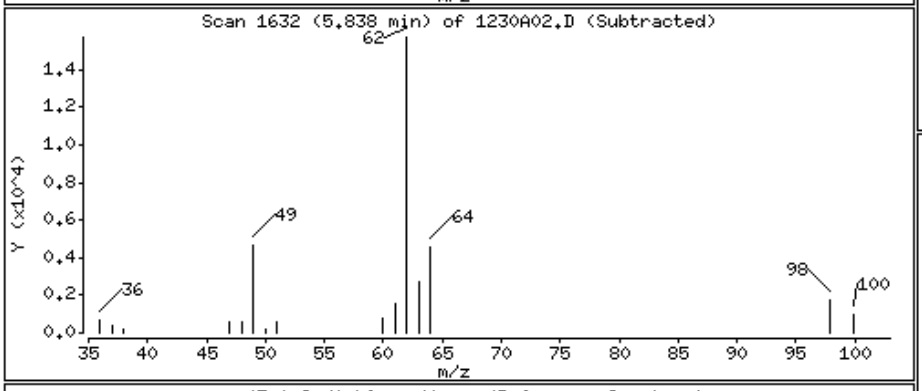
Column diameter: 0.18

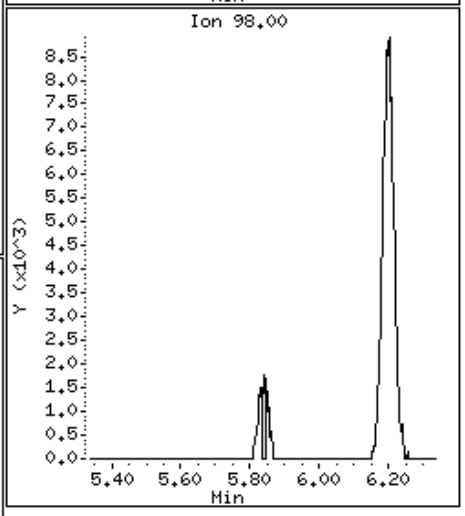
43 1,2-dichloroethane

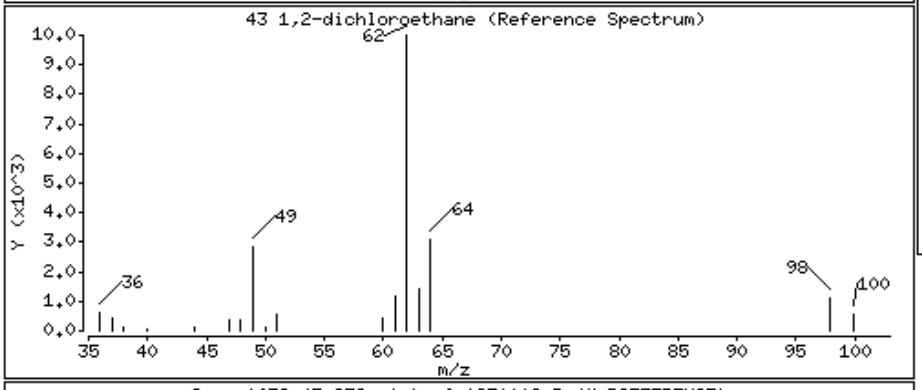
Concentration: 9.343 ngs

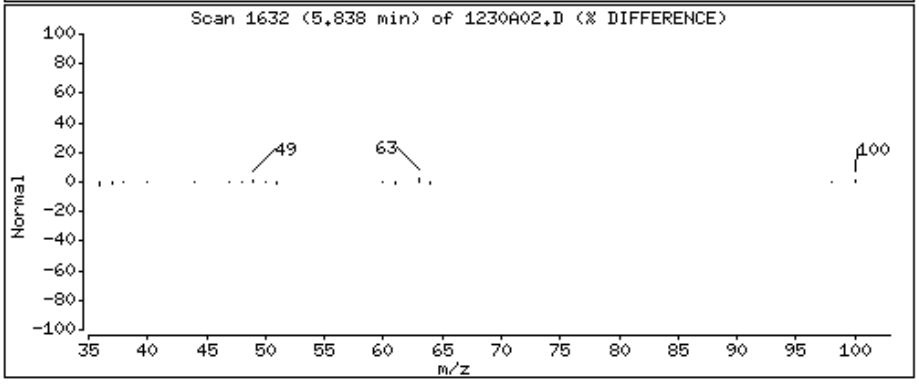












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

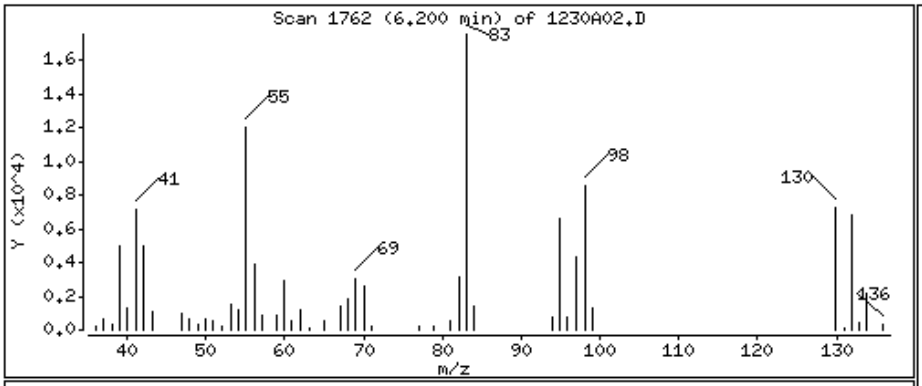
Operator: PD

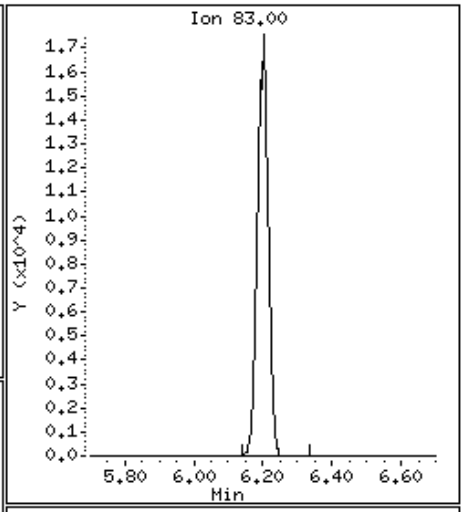
Column phase:

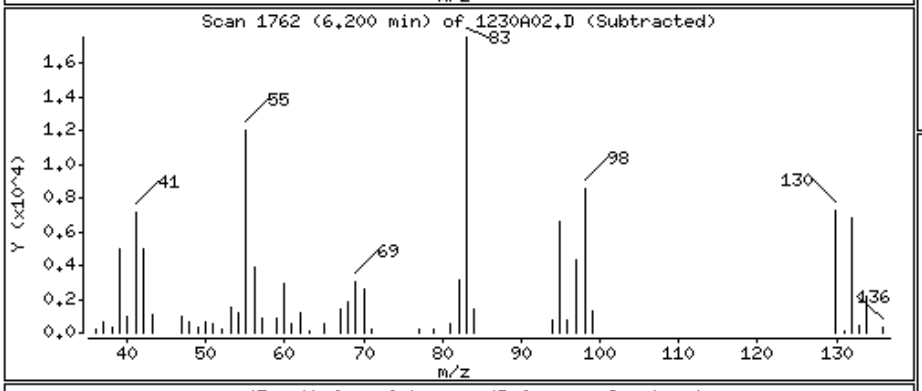
Column diameter: 0.18

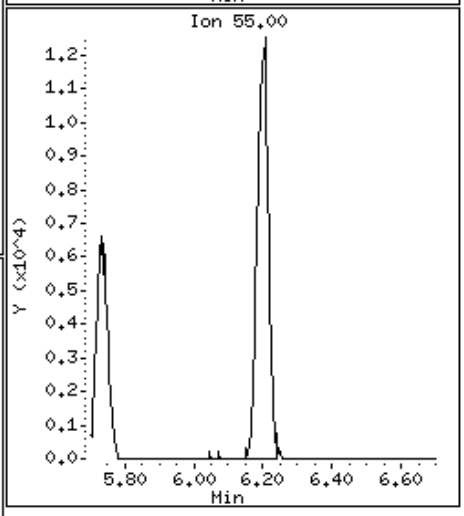
47 methyl cyclohexane

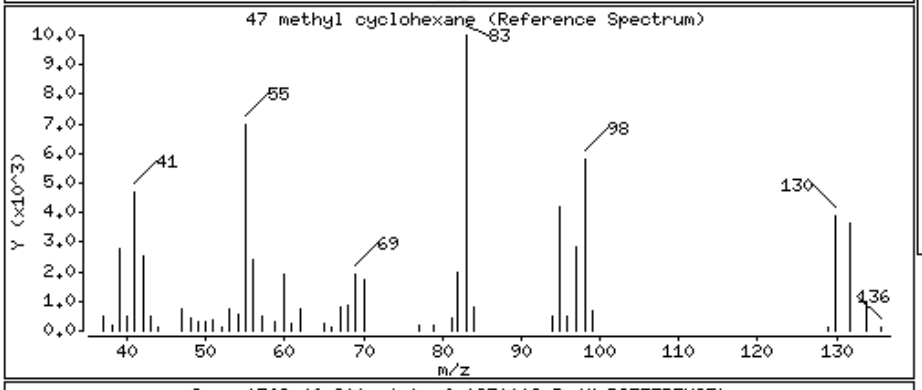
Concentration: 9.203 ngs

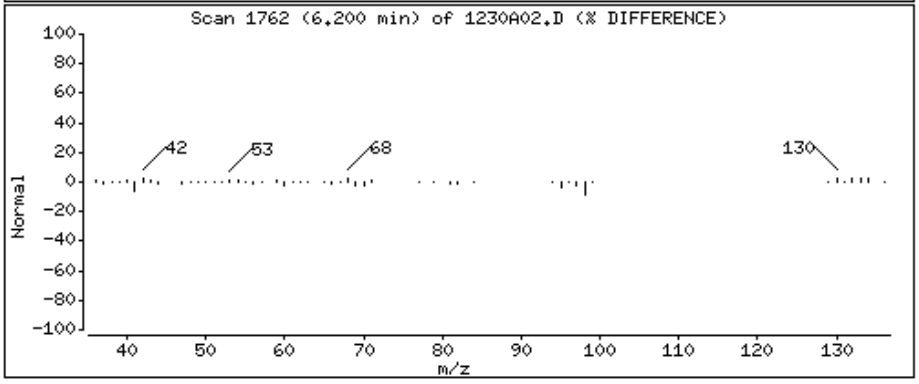












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

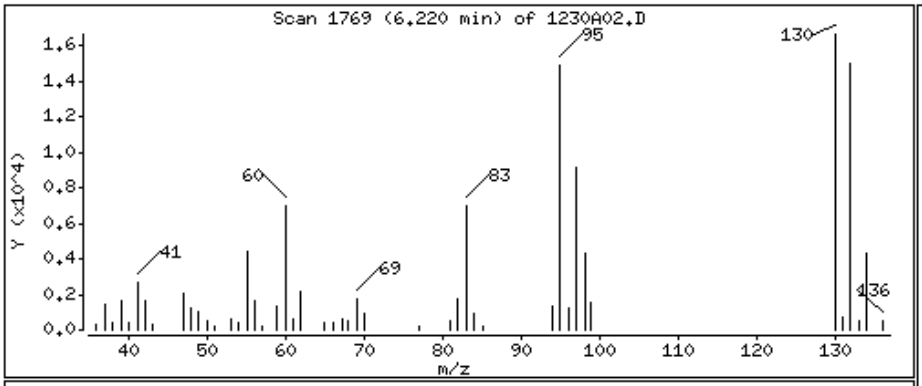
Operator: PD

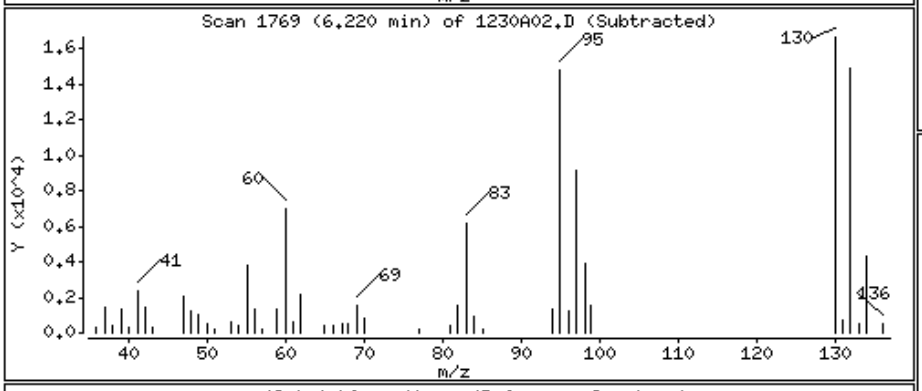
Column phase:

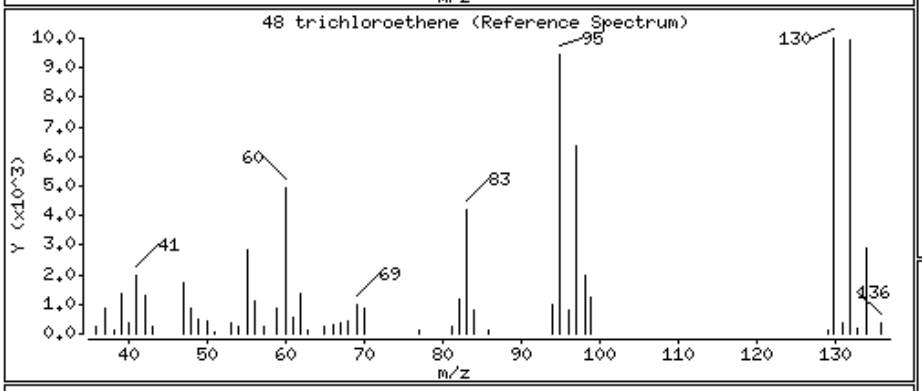
Column diameter: 0.18

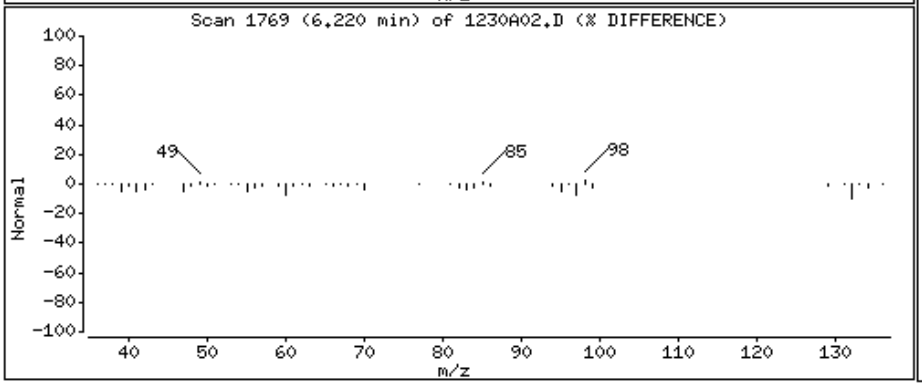
48 trichloroethene

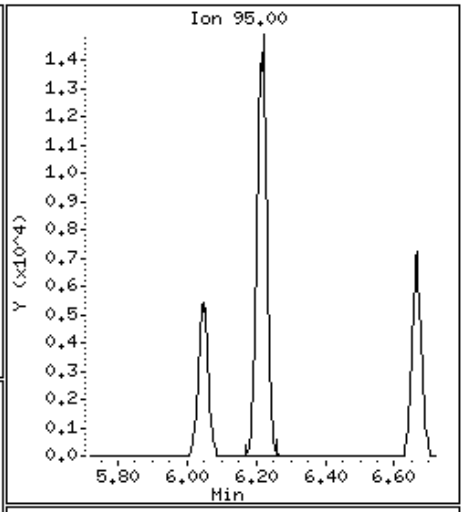
Concentration: 9.711 ngs

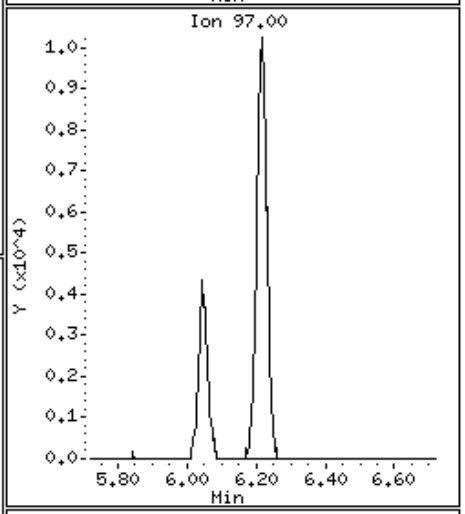


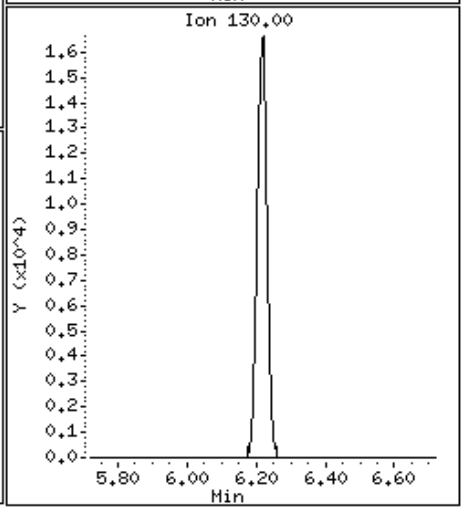












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

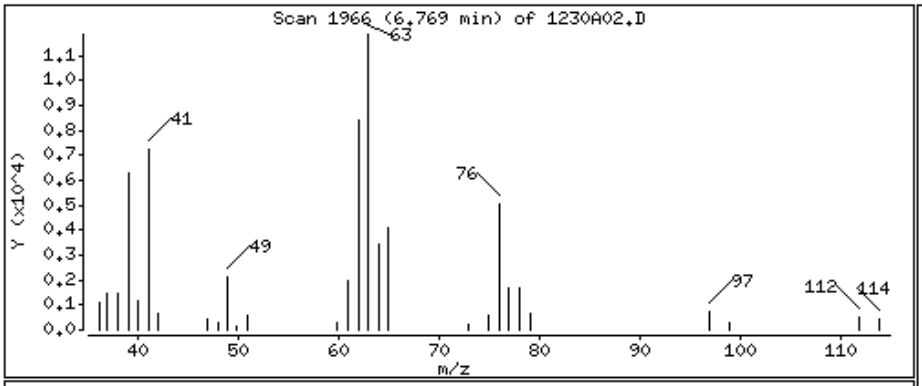
Operator: PD

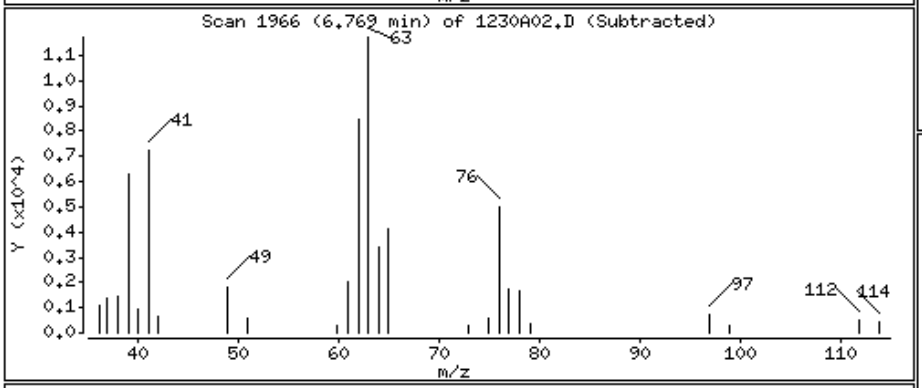
Column phase:

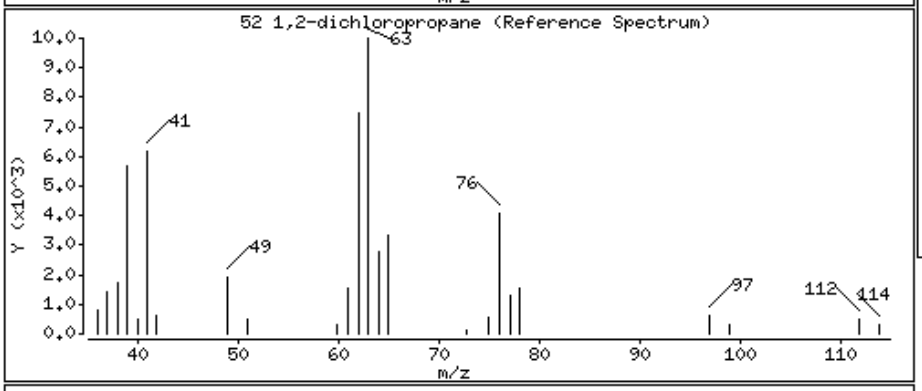
Column diameter: 0.18

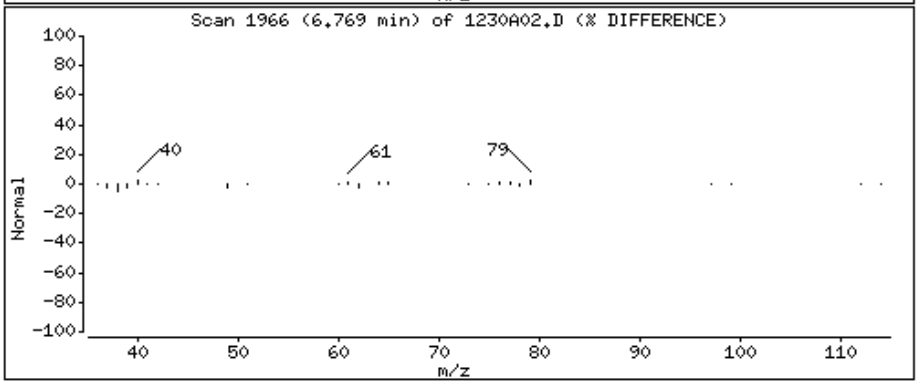
52 1,2-dichloropropane

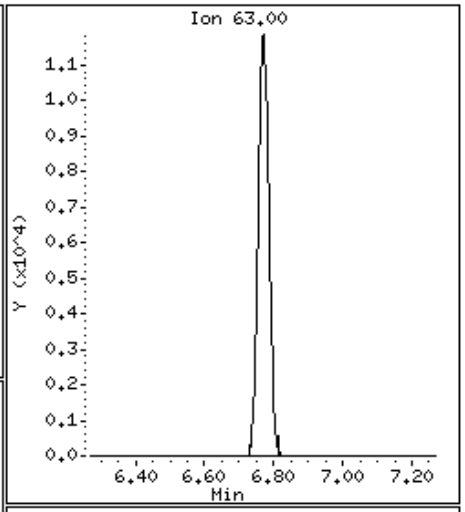
Concentration: 9.997 ngs

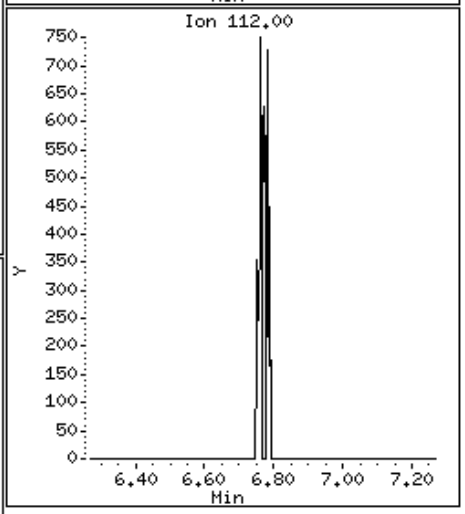












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

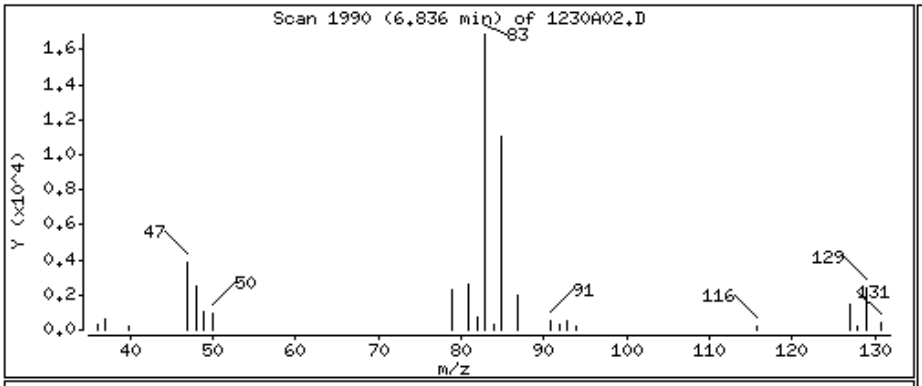
Operator: PD

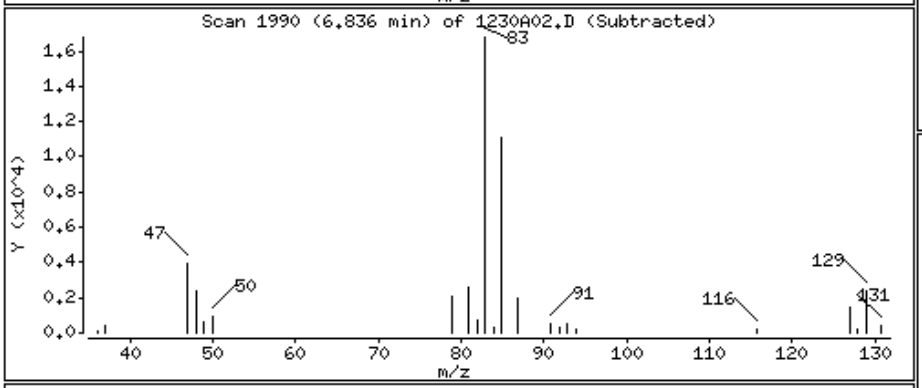
Column phase:

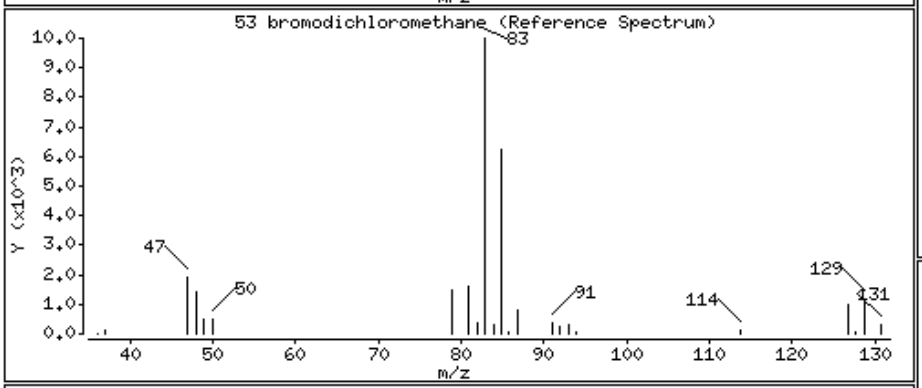
Column diameter: 0.18

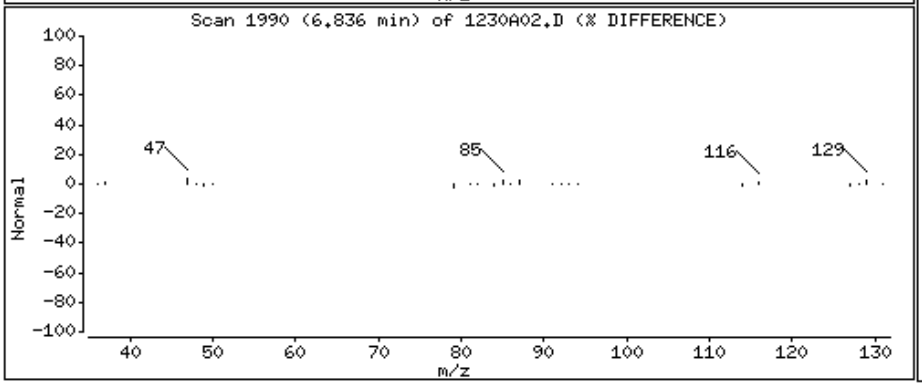
53 bromodichloromethane

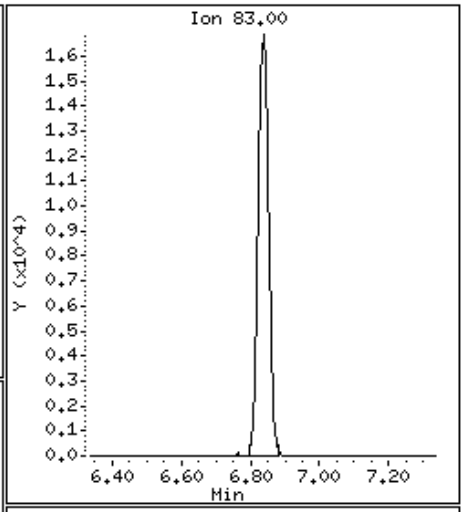
Concentration: 9.581 ngs

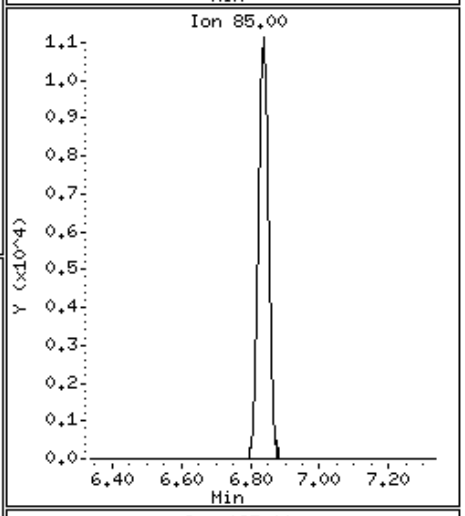


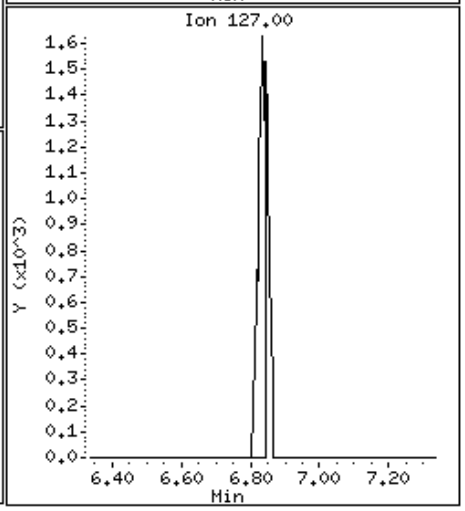












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

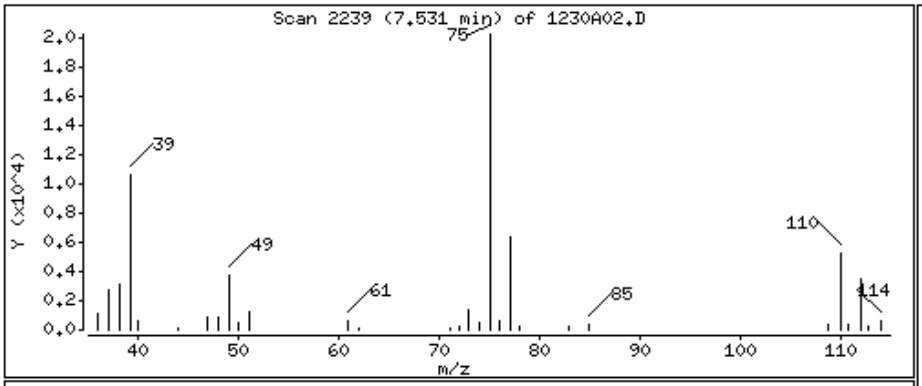
Operator: PD

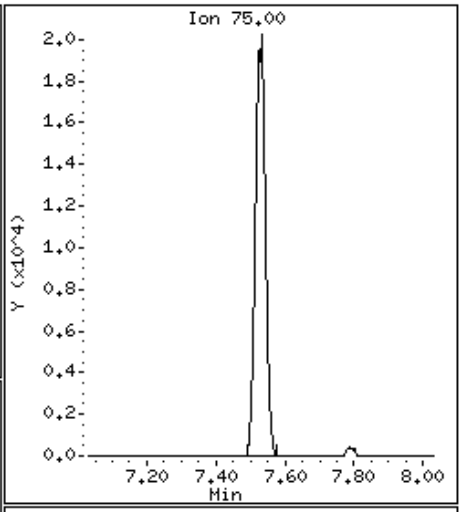
Column phase:

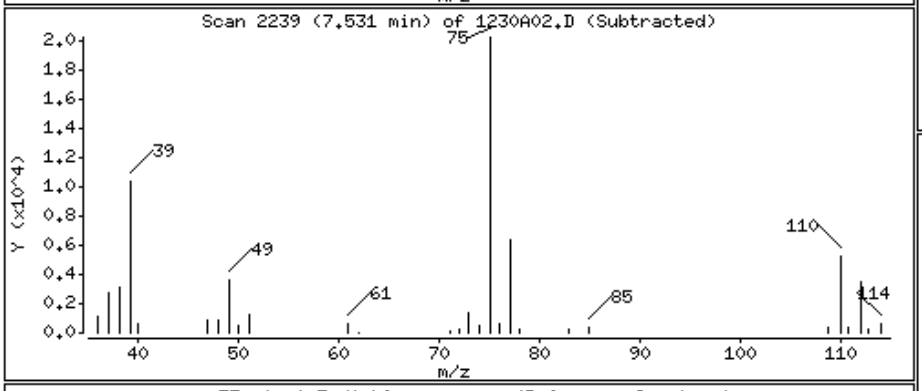
Column diameter: 0.18

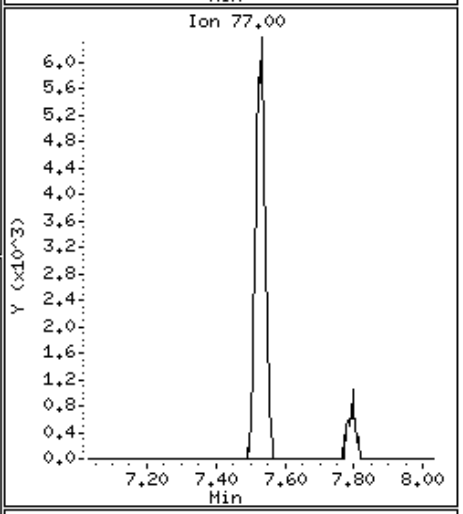
57 cis-1,3-dichloropropene

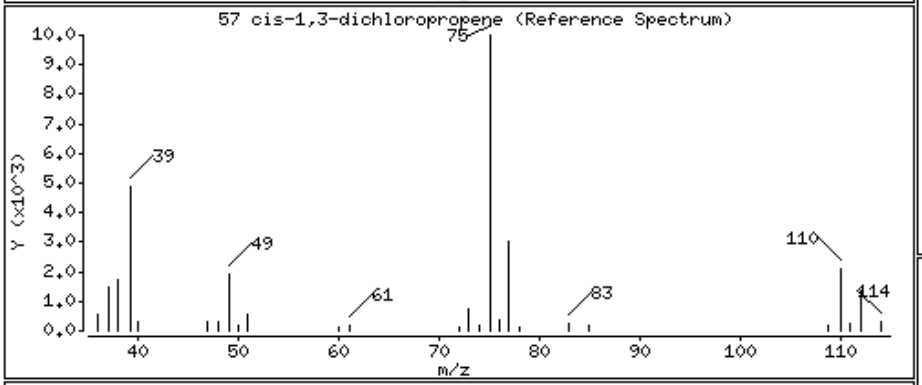
Concentration: 9.758 ngs

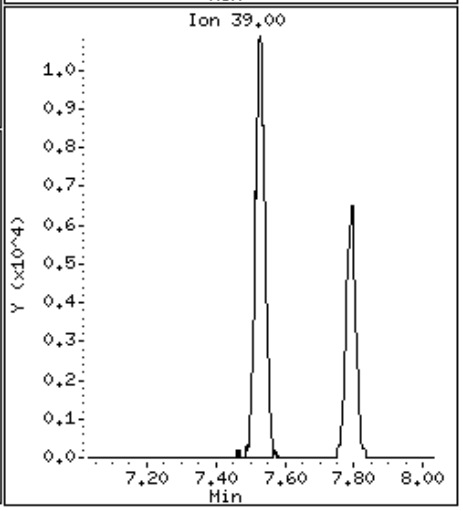


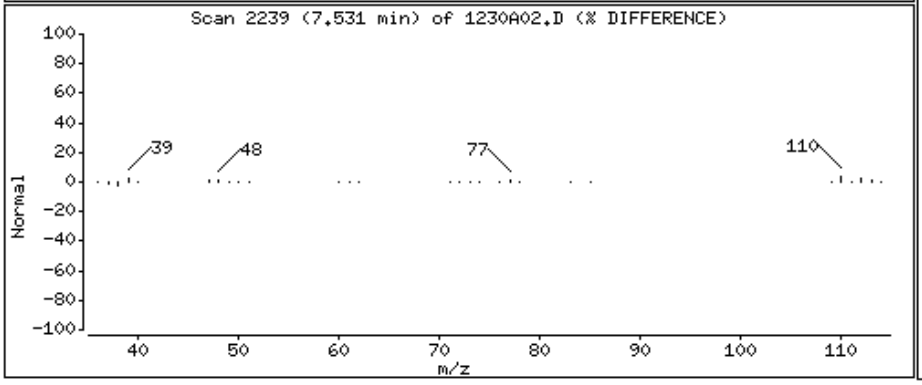












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

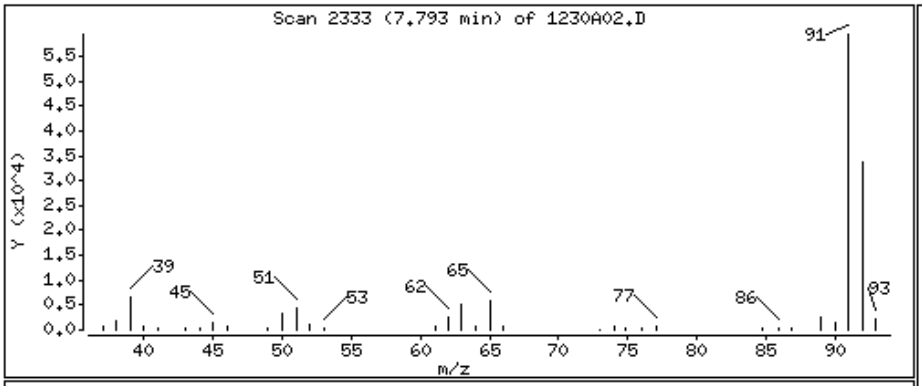
Operator: PD

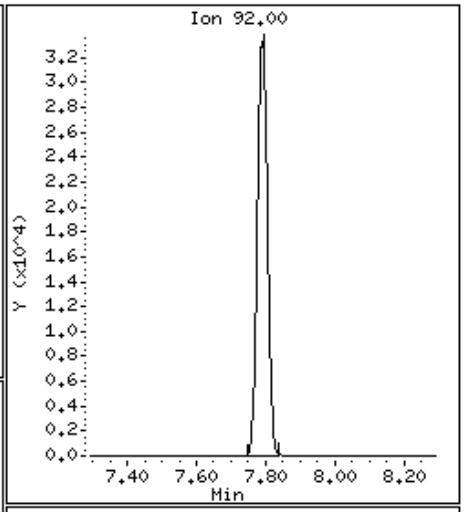
Column phase:

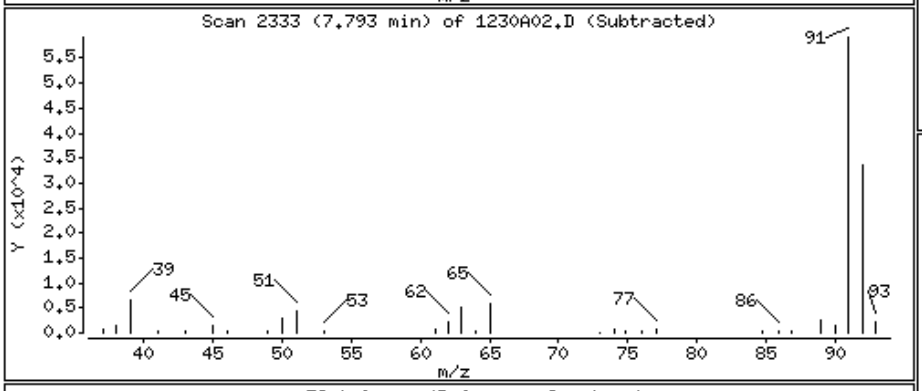
Column diameter: 0.18

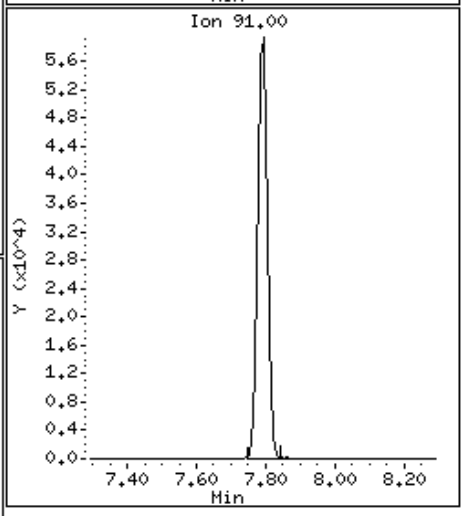
59 toluene

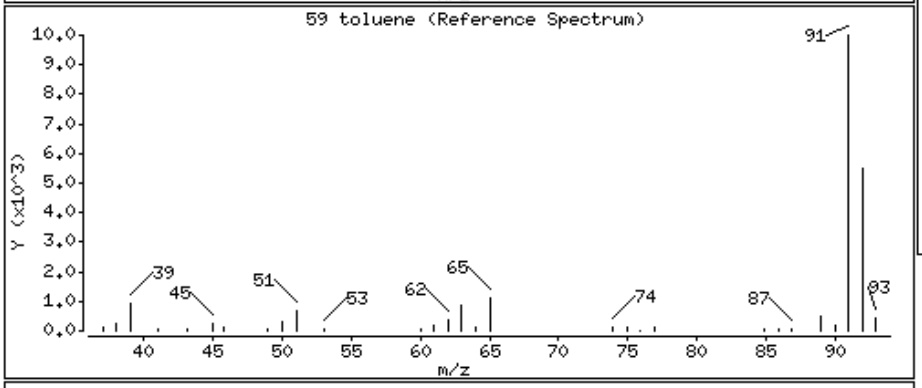
Concentration: 10.109 ngs

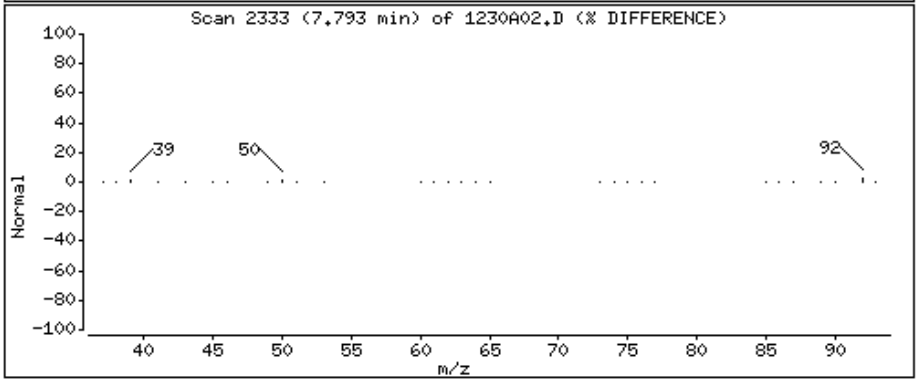












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

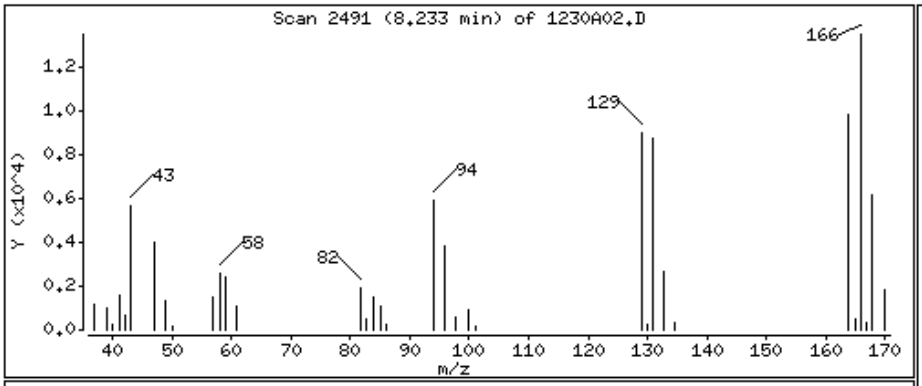
Operator: PD

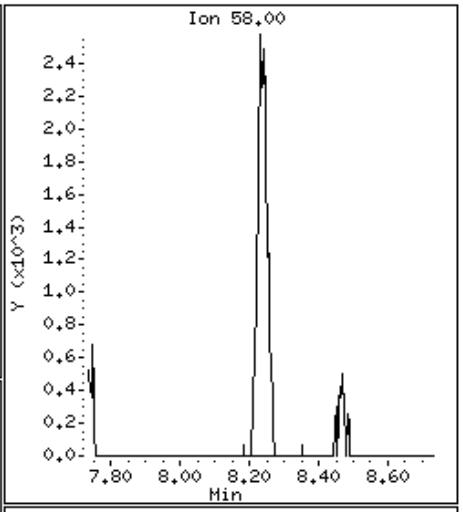
Column phase:

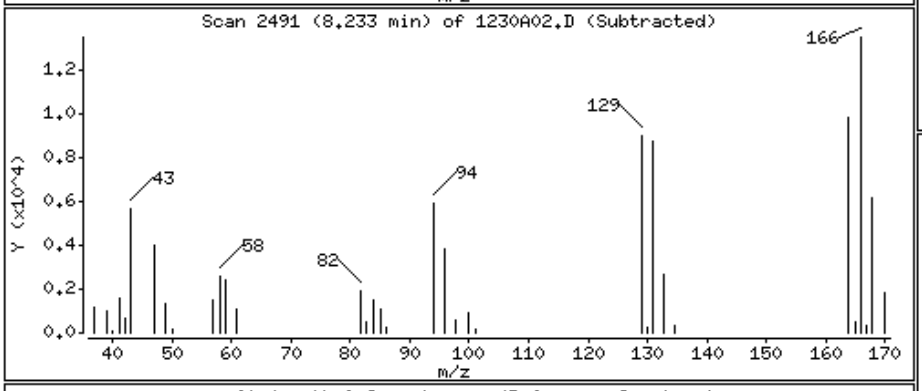
Column diameter: 0.18

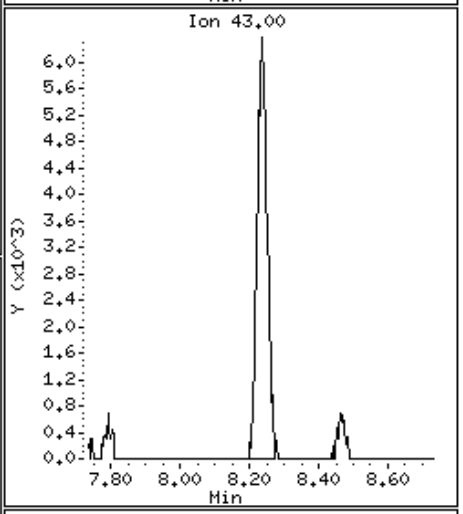
60 4-methyl-2-pentanone

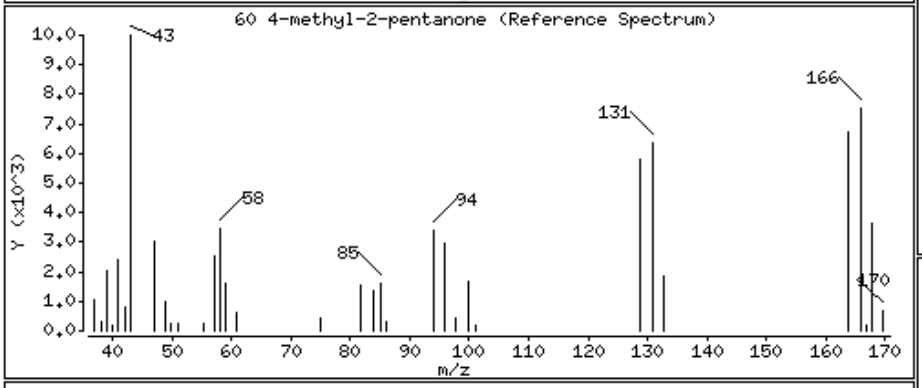
Concentration: 7.845 ngs

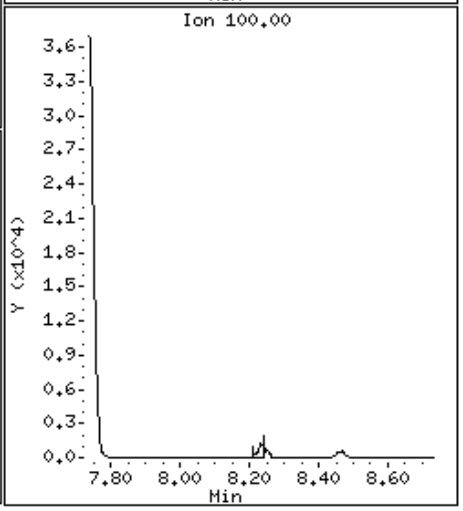


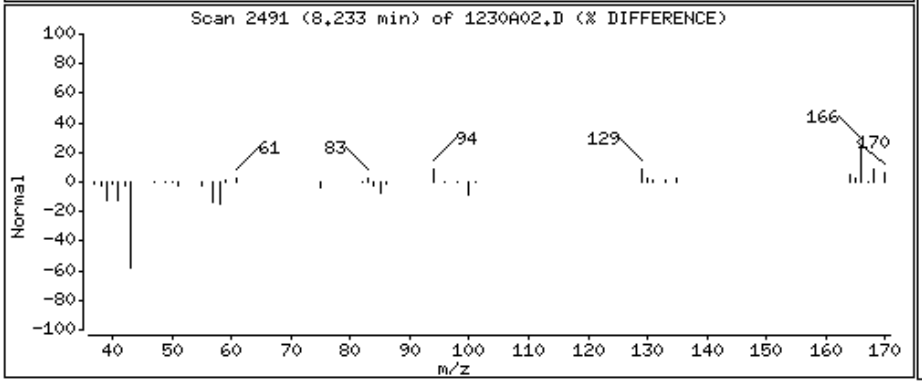












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

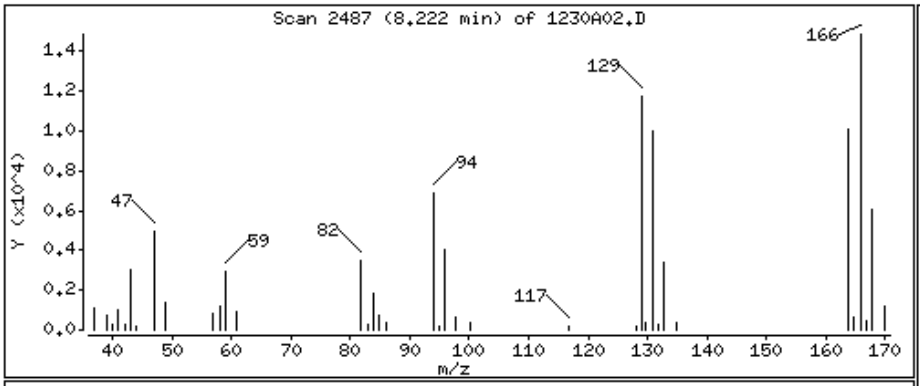
Operator: PD

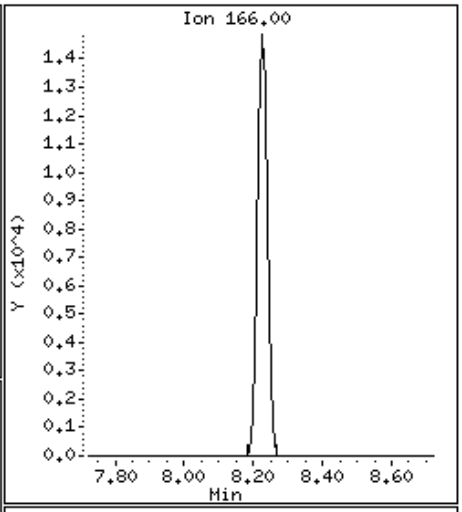
Column phase:

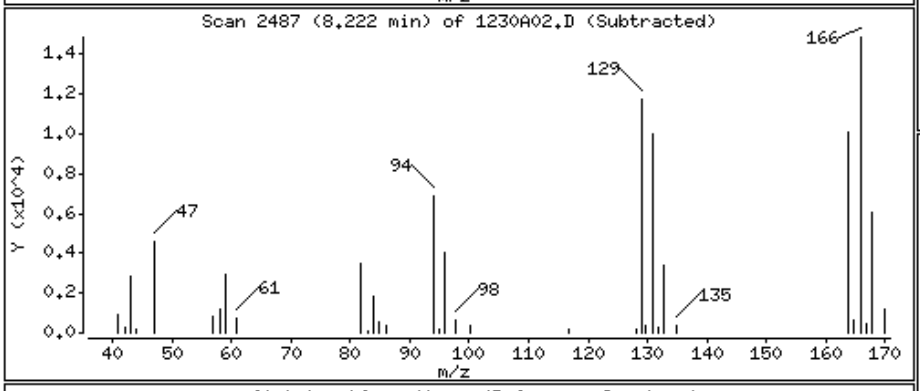
Column diameter: 0.18

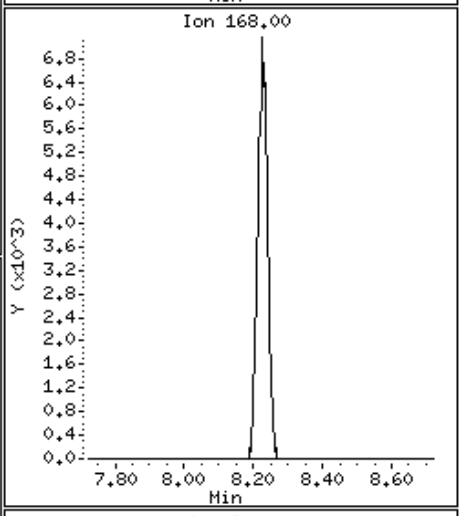
61 tetrachloroethene

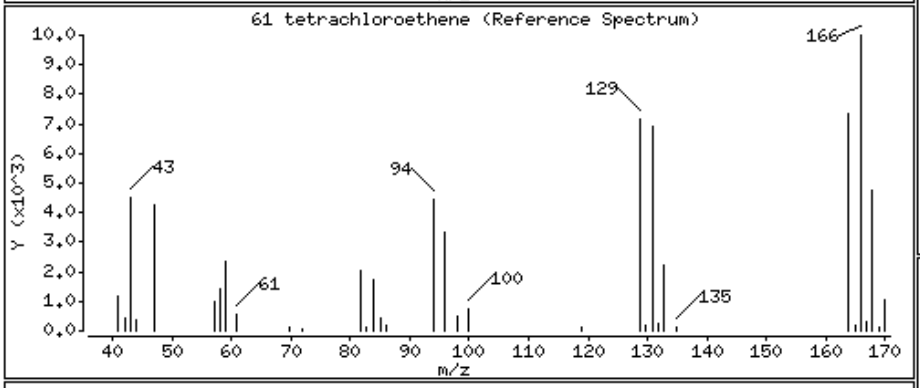
Concentration: 10.248 ngs

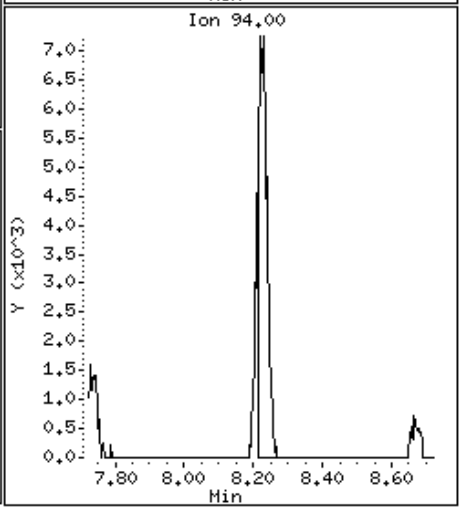


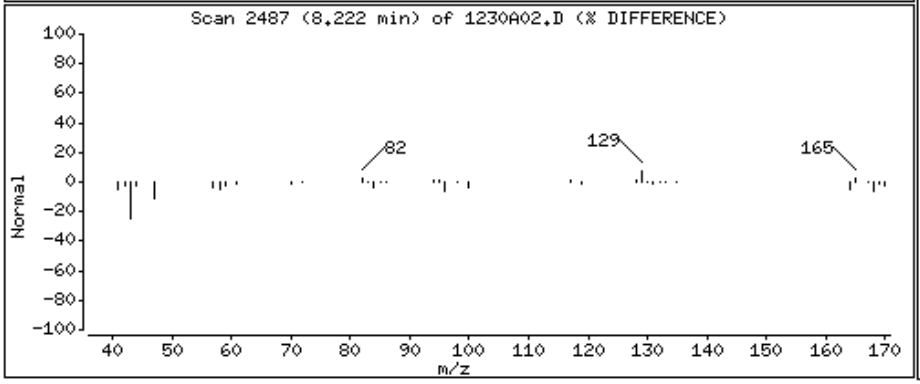












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

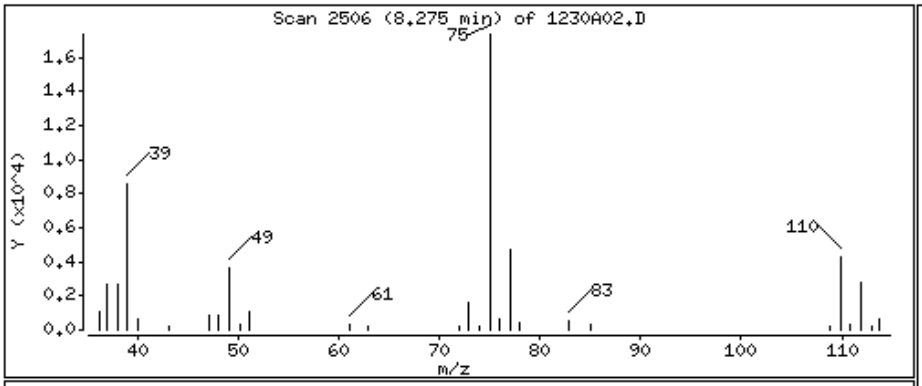
Operator: PD

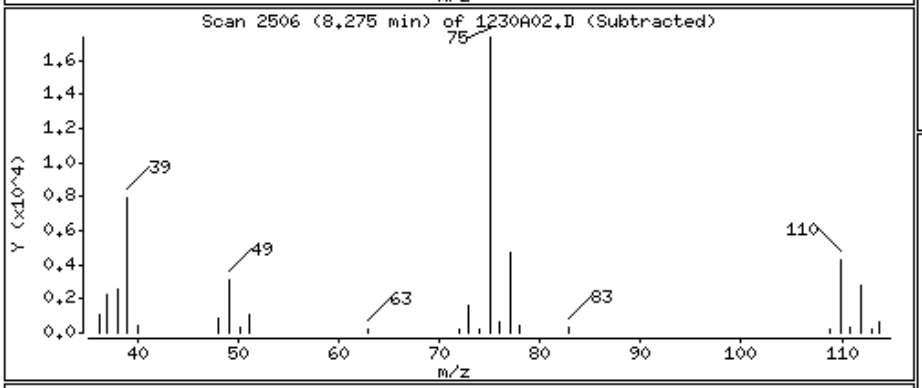
Column phase:

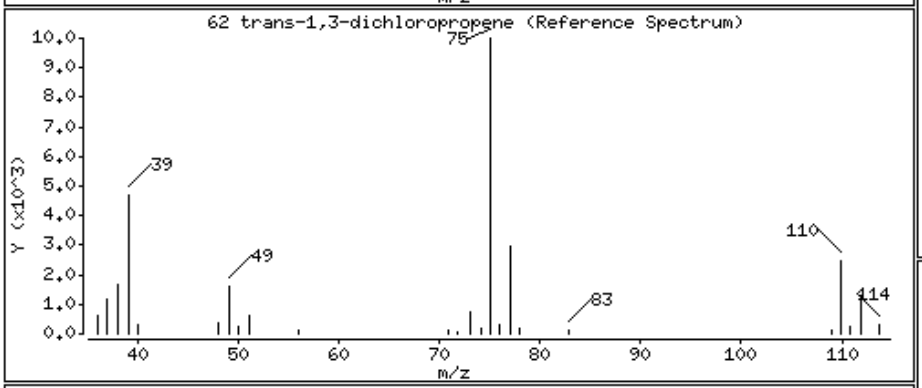
Column diameter: 0.18

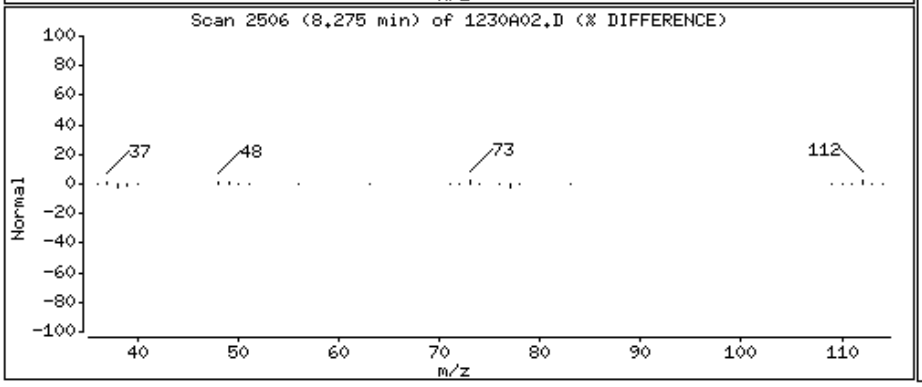
62 trans-1,3-dichloropropene

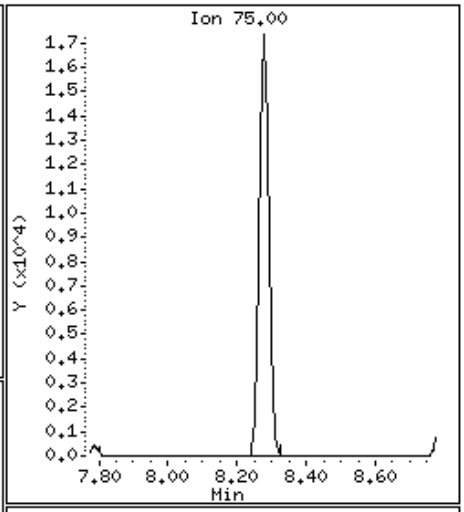
Concentration: 9.758 ngs

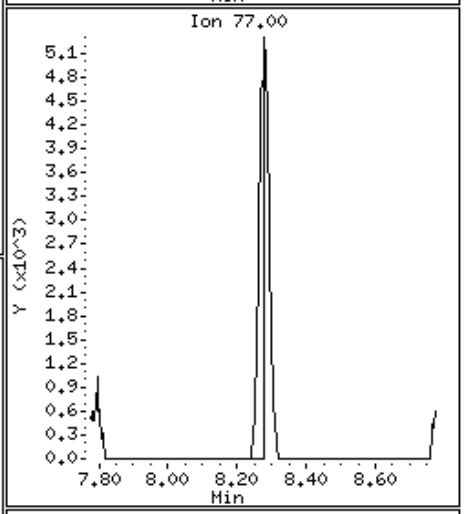


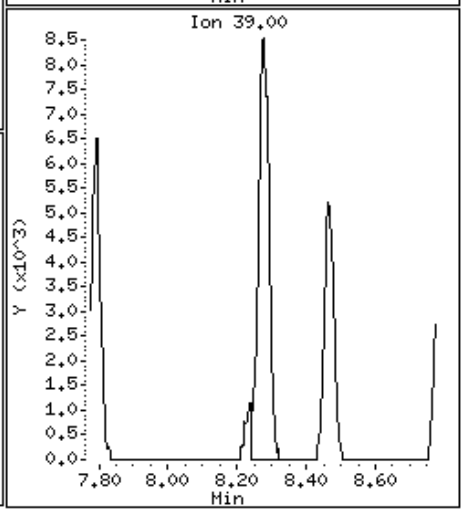












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

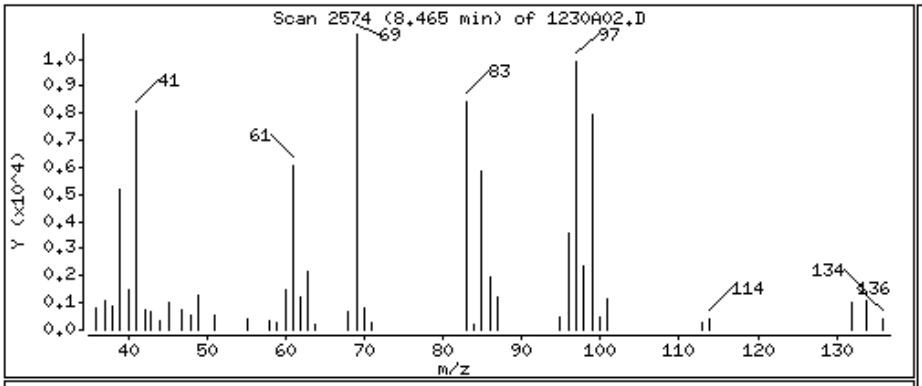
Operator: PD

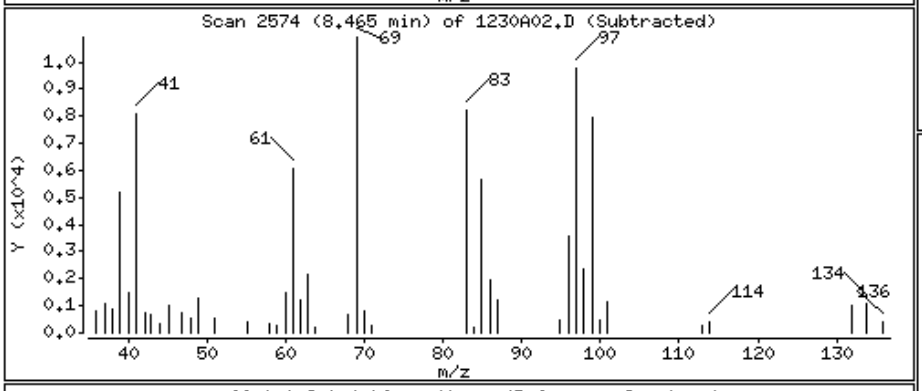
Column phase:

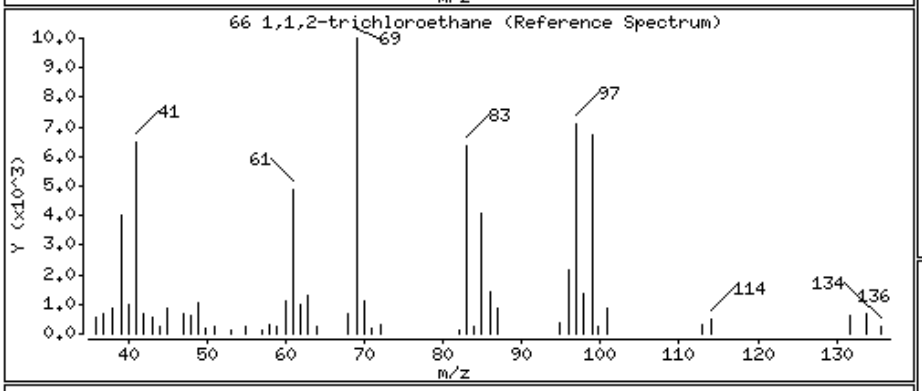
Column diameter: 0.18

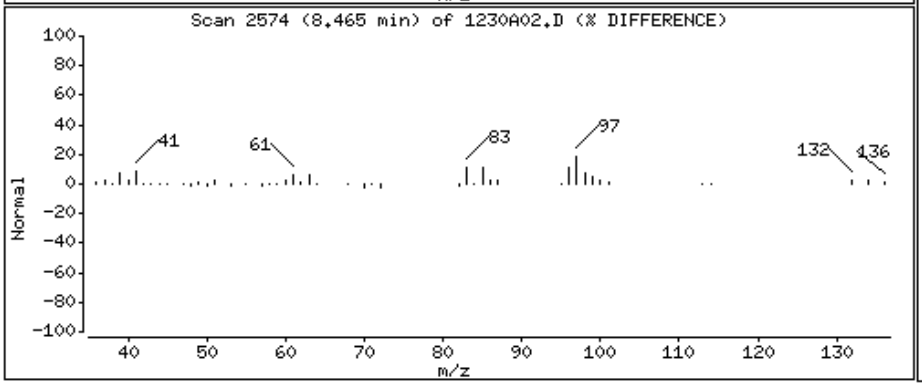
66 1,1,2-trichloroethane

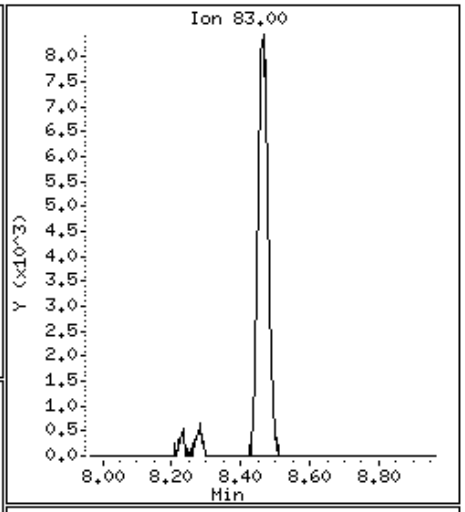
Concentration: 9.741 ngs

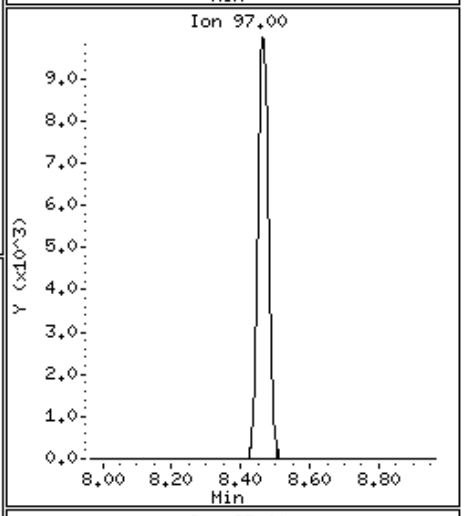


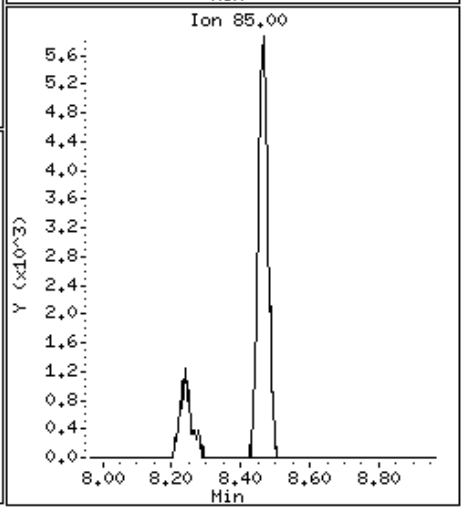












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

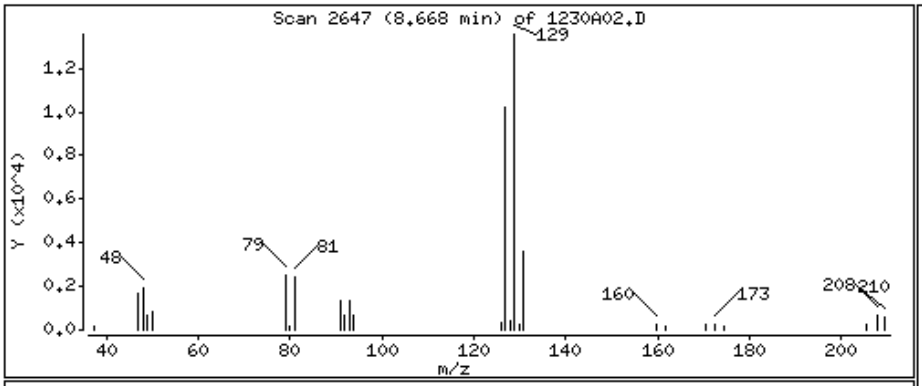
Operator: PD

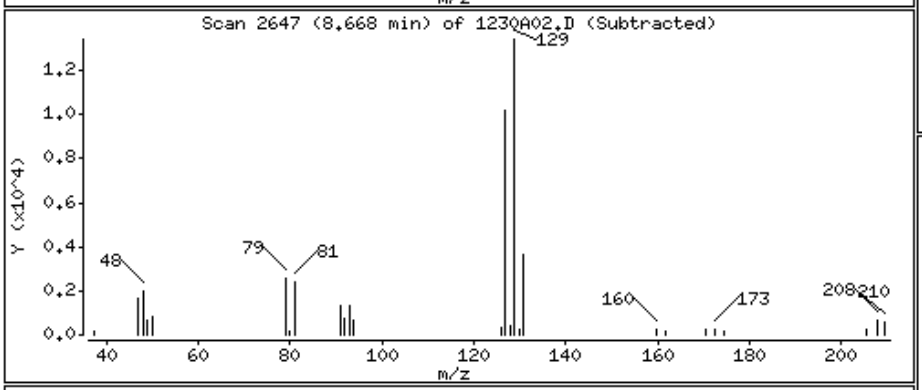
Column phase:

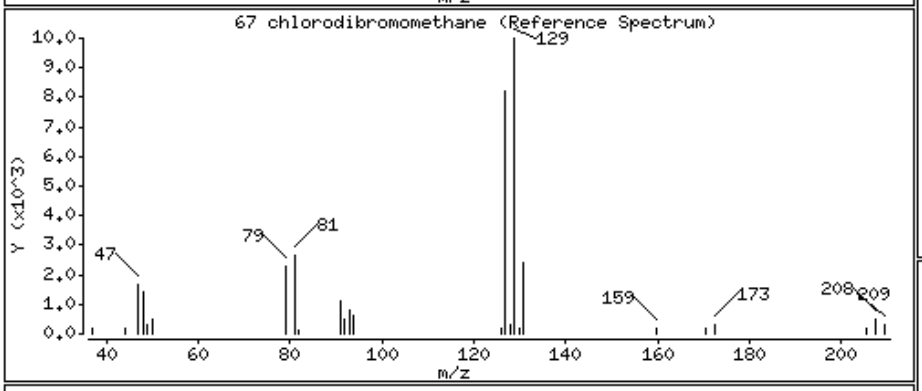
Column diameter: 0.18

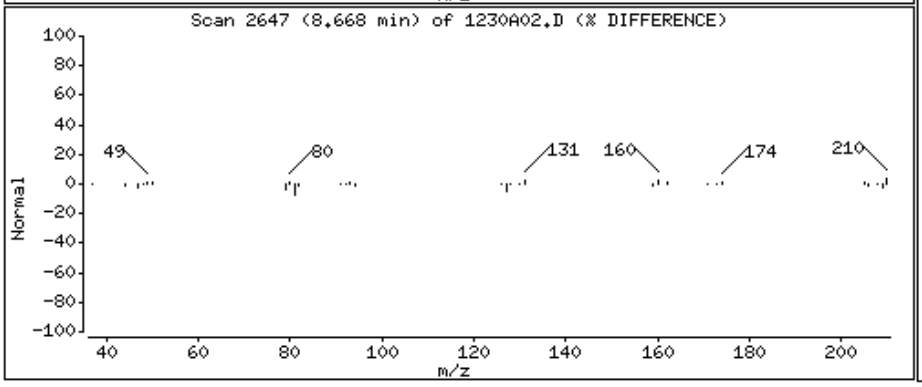
67 chlorodibromomethane

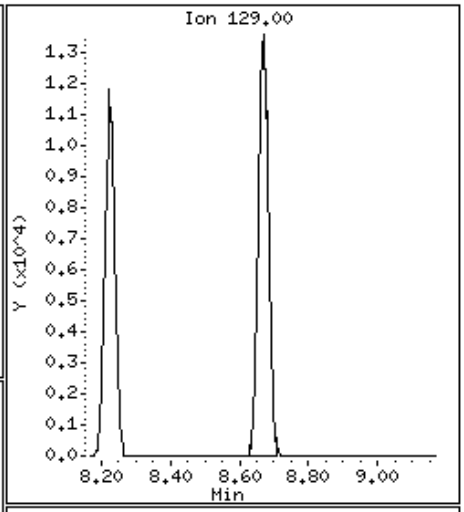
Concentration: 10.319 ngs

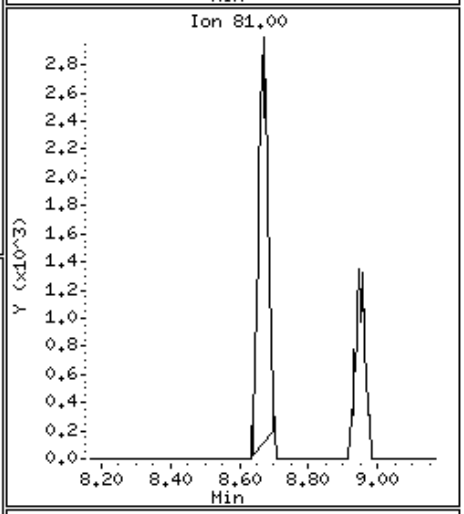


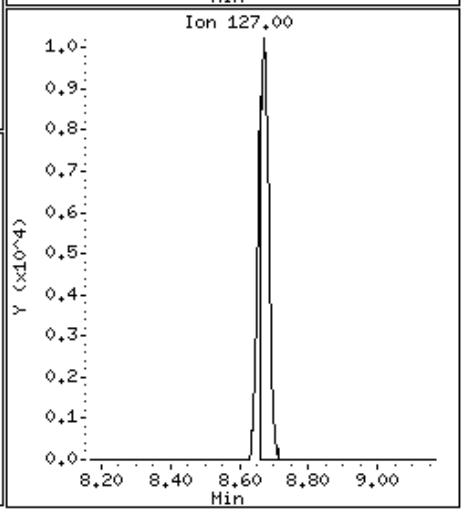












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

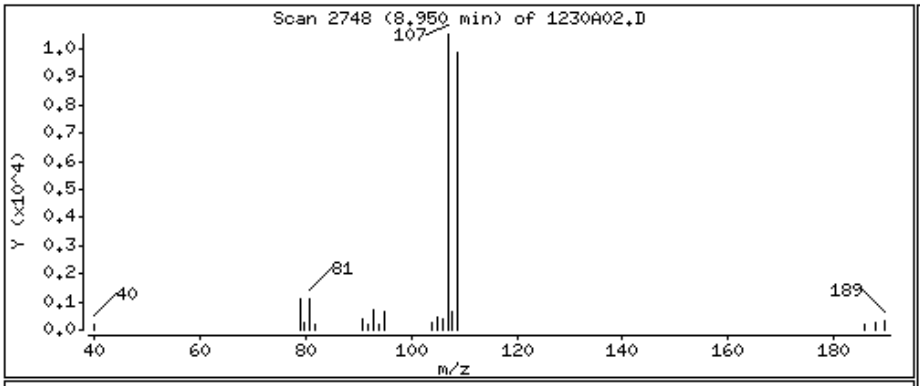
Operator: PD

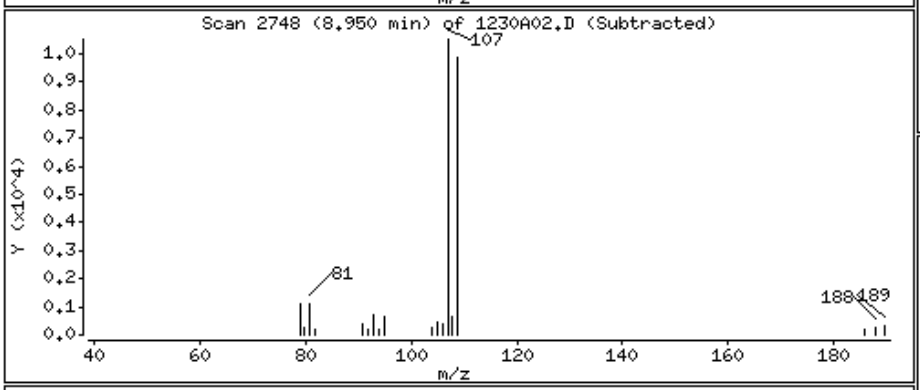
Column phase:

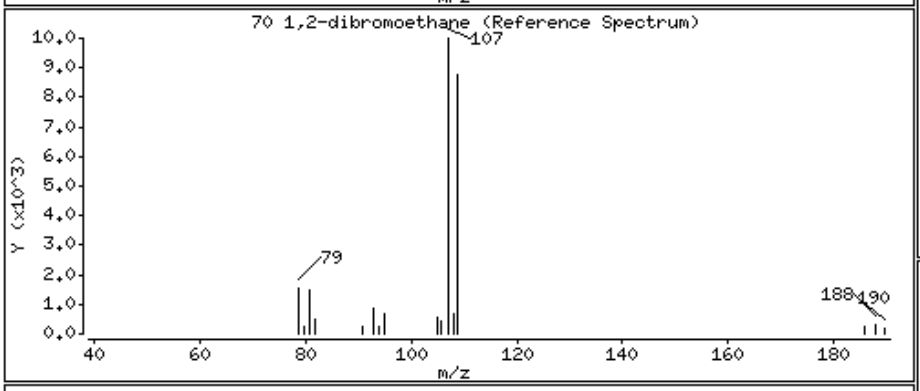
Column diameter: 0.18

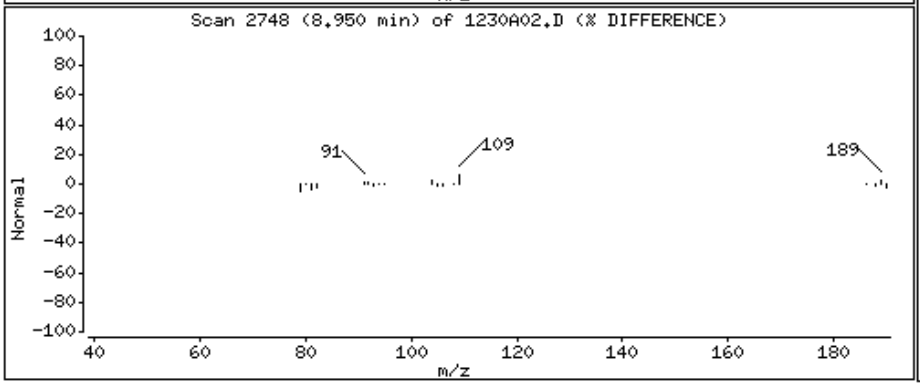
70 1,2-dibromoethane

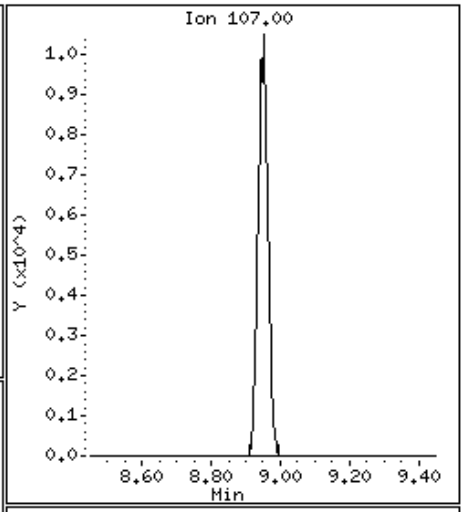
Concentration: 9.760 ngs

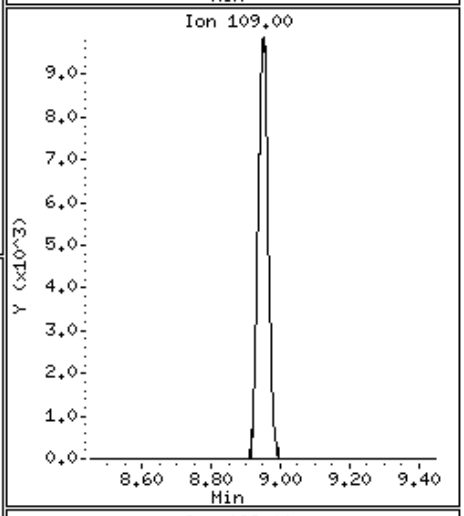


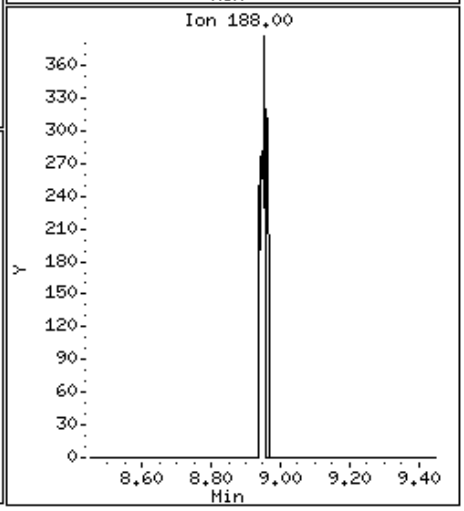












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

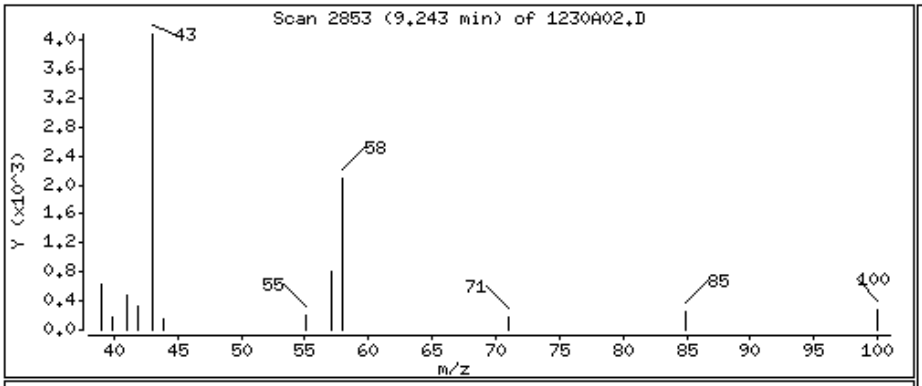
Operator: PD

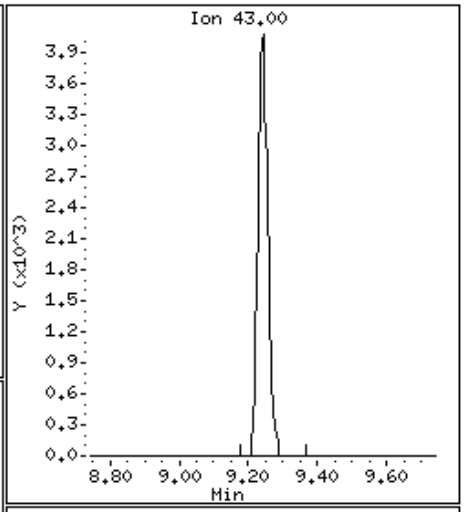
Column phase:

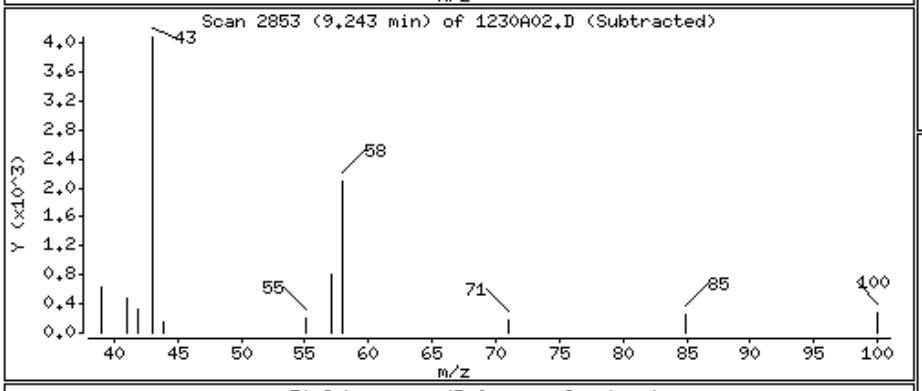
Column diameter: 0.18

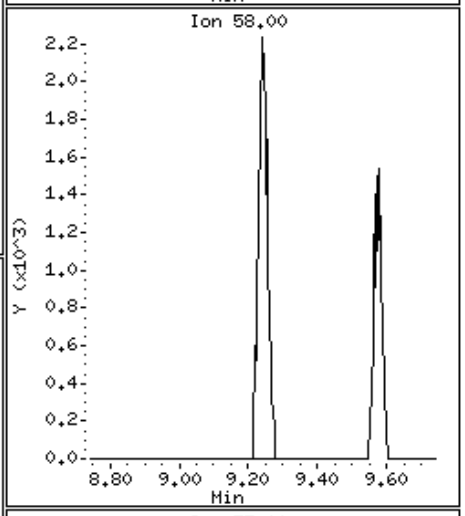
71 2-hexanone

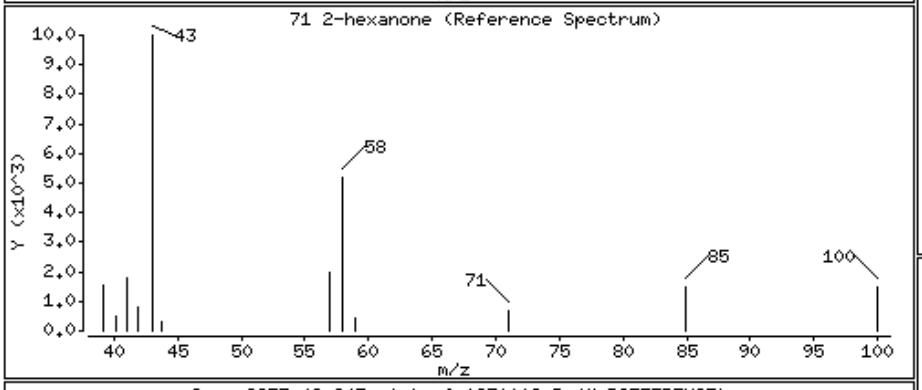
Concentration: 7.618 ngs

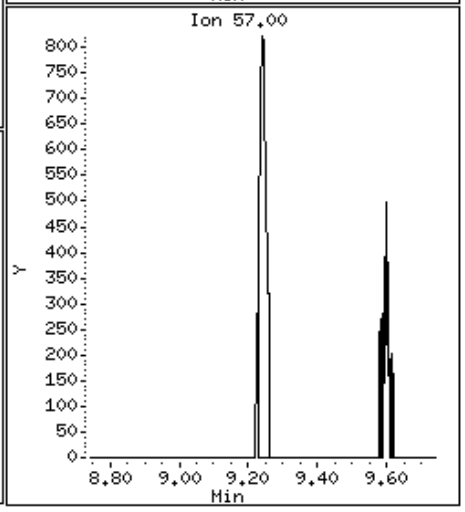


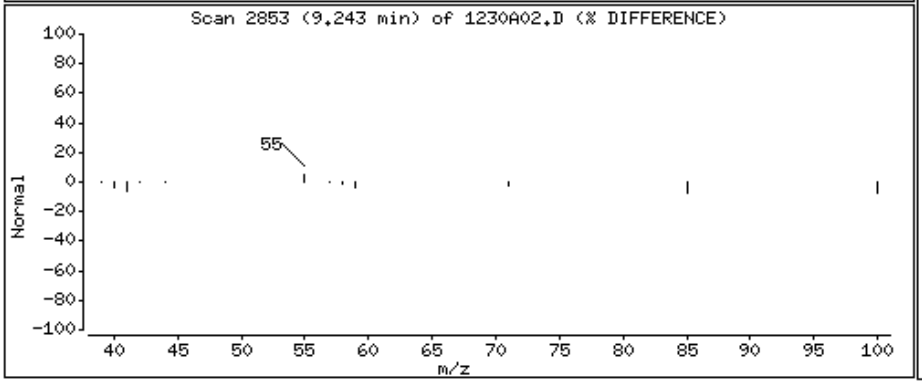












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

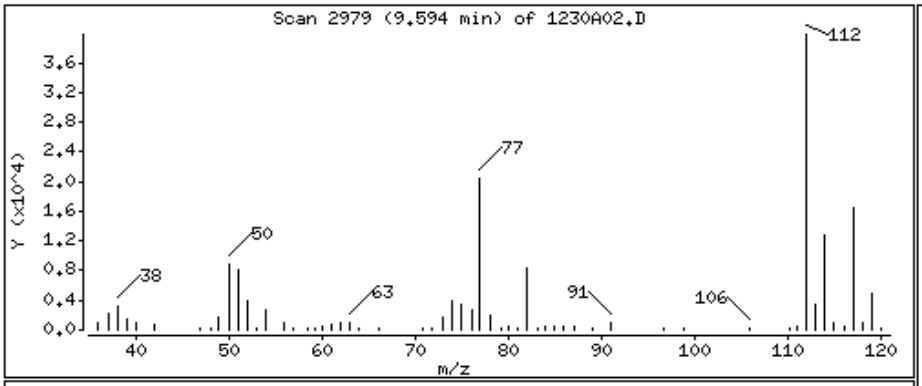
Operator: PD

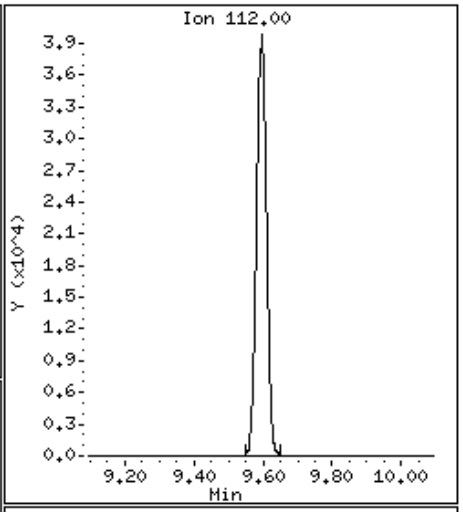
Column phase:

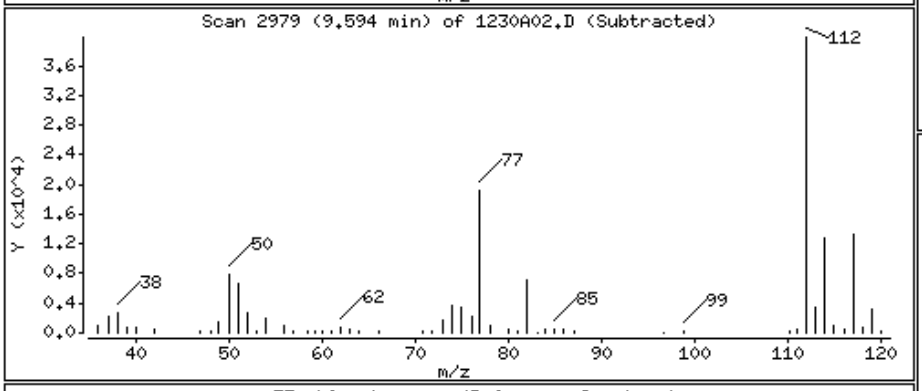
Column diameter: 0.18

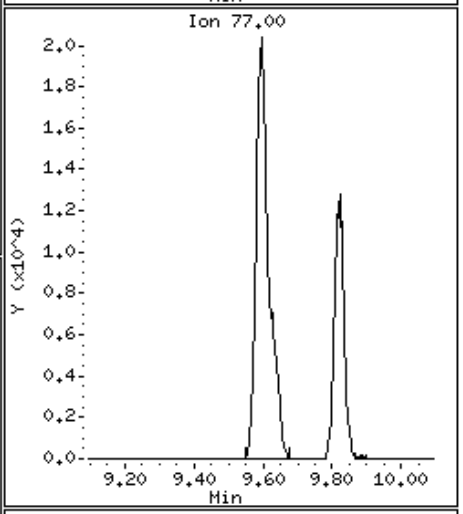
73 chlorobenzene

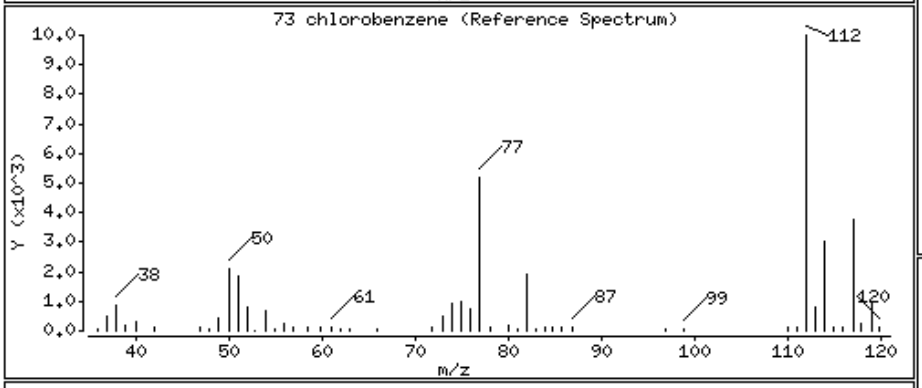
Concentration: 9.918 ngs

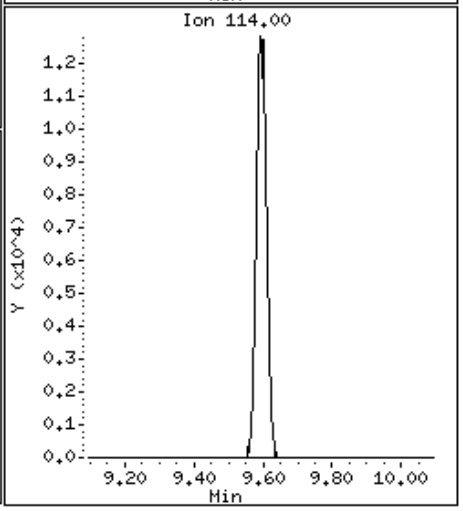


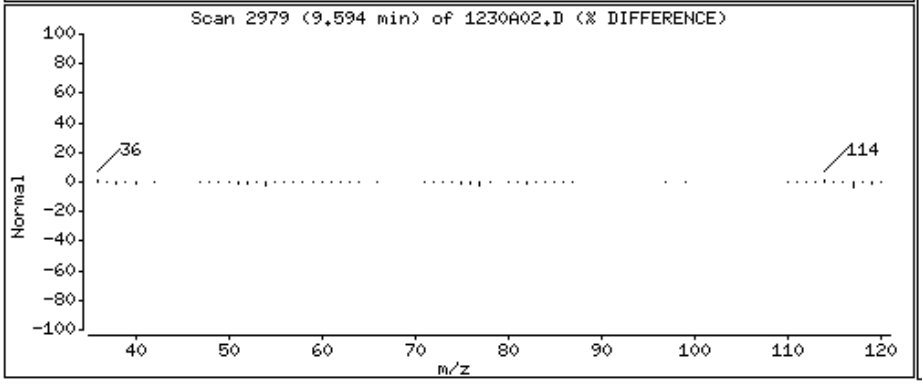












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

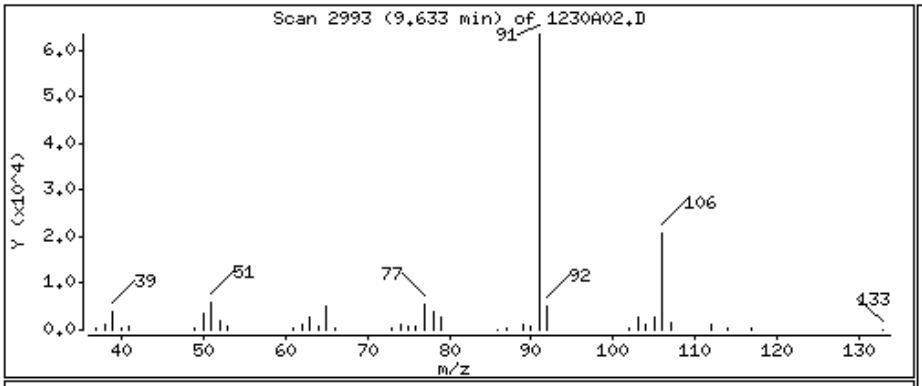
Operator: PD

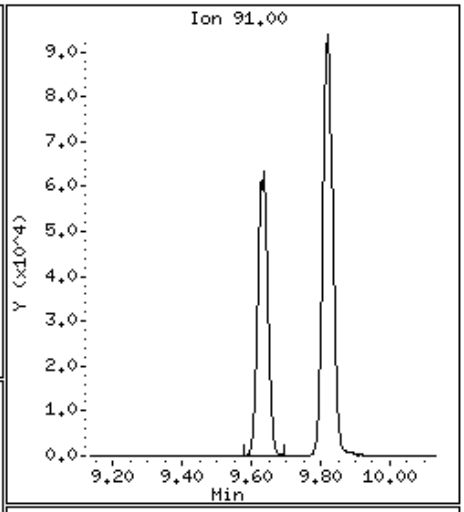
Column phase:

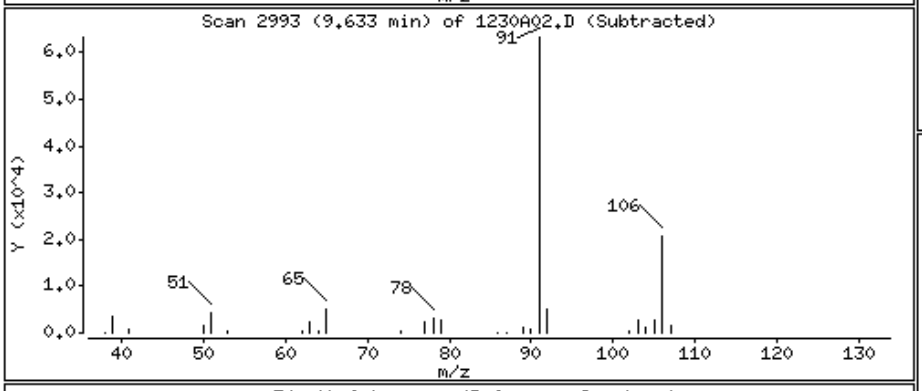
Column diameter: 0.18

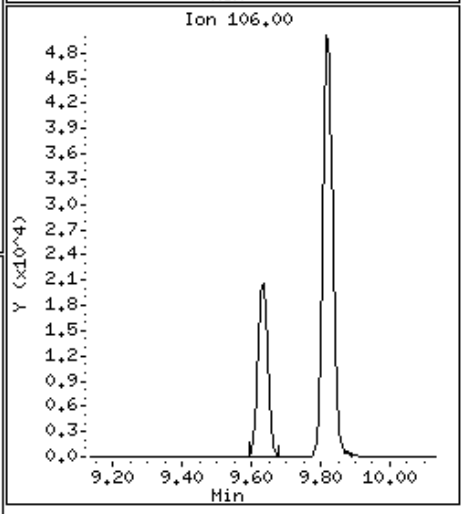
74 ethyl benzene

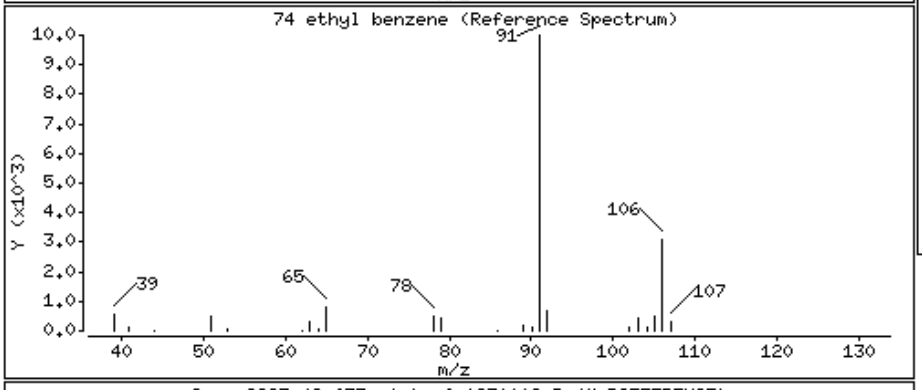
Concentration: 9.438 ngs

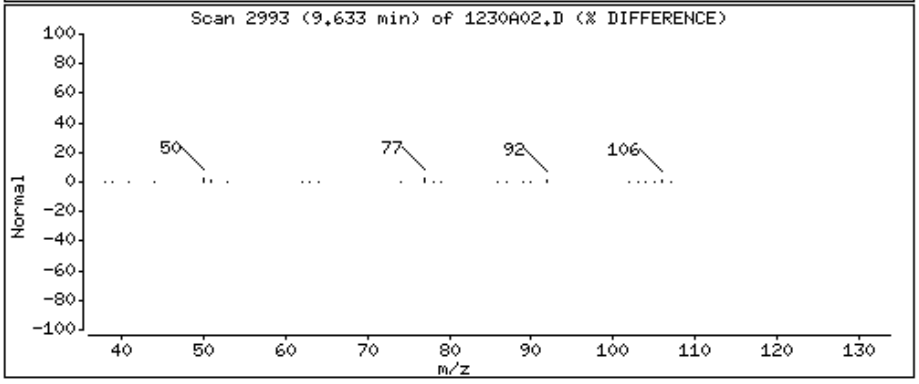












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

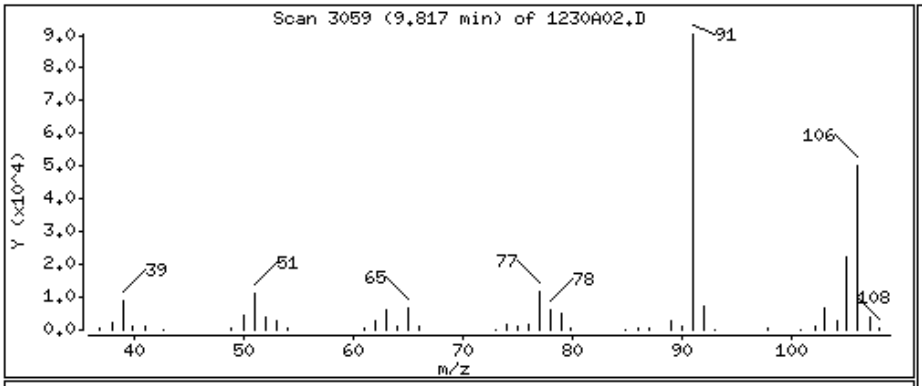
Operator: PD

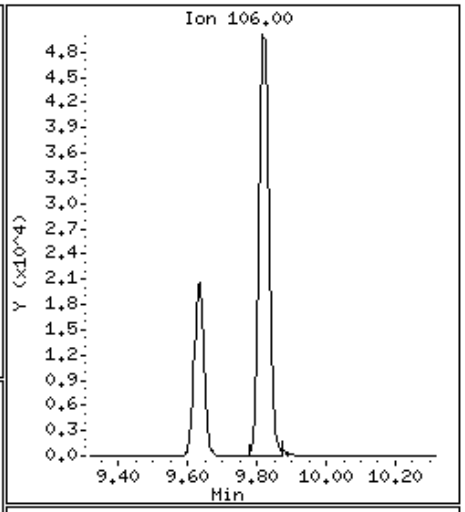
Column phase:

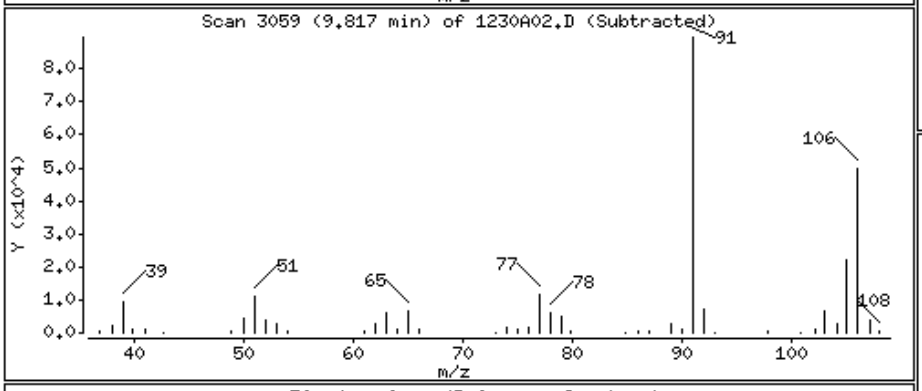
Column diameter: 0.18

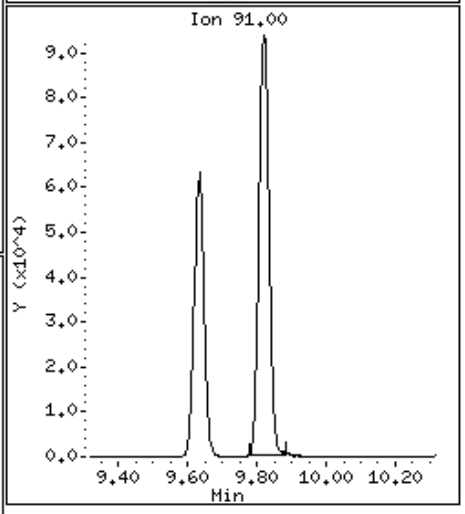
76 p/m xylene

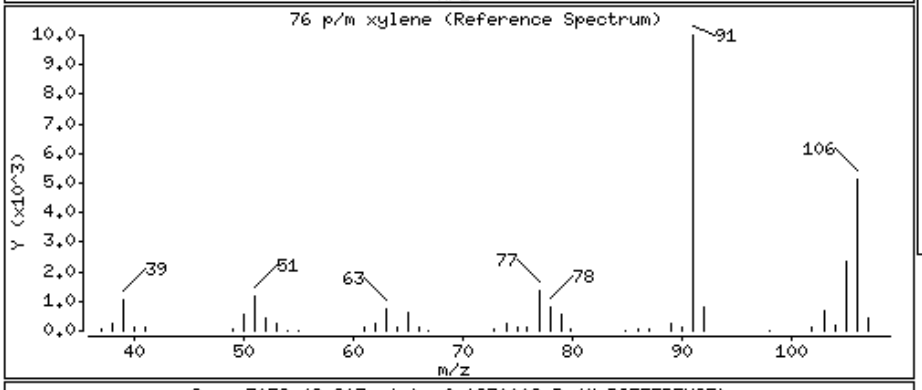
Concentration: 18.270 ngs

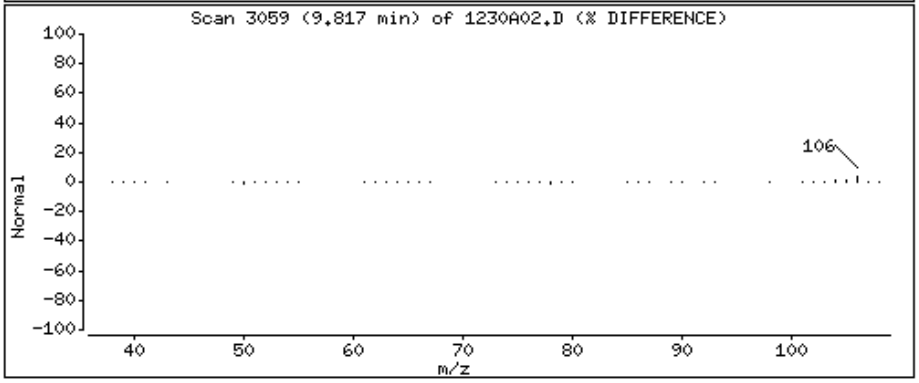












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

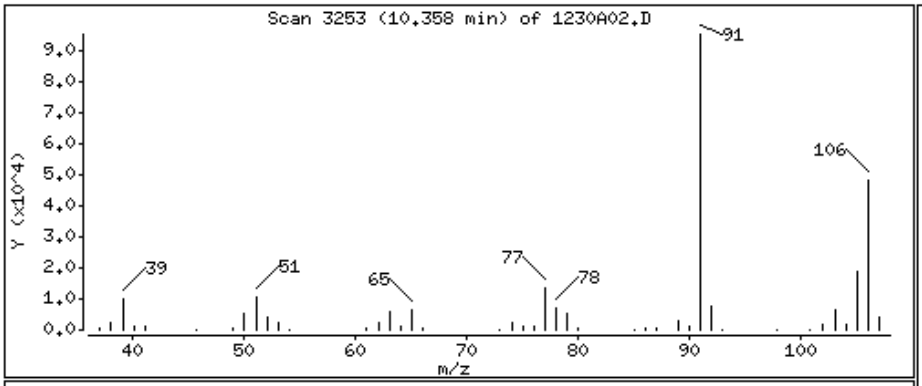
Operator: PD

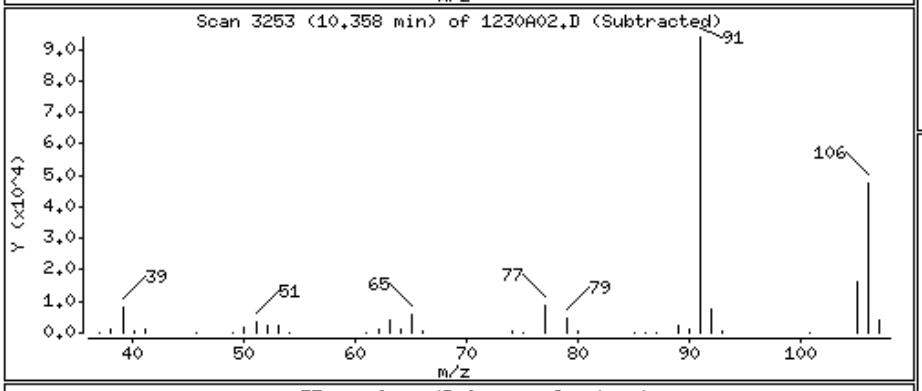
Column phase:

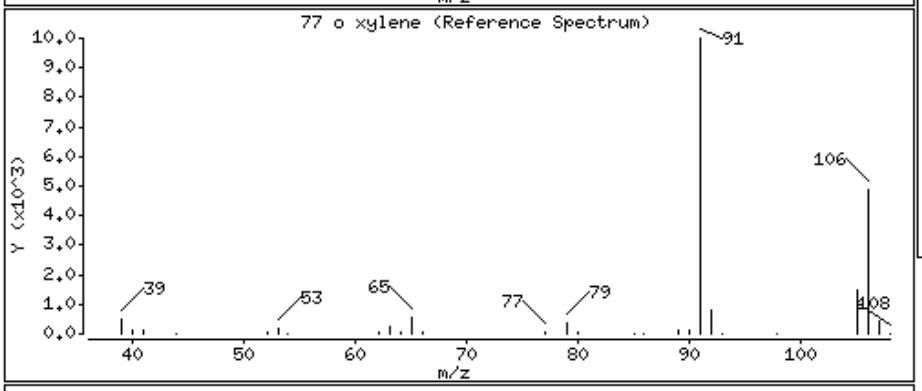
Column diameter: 0.18

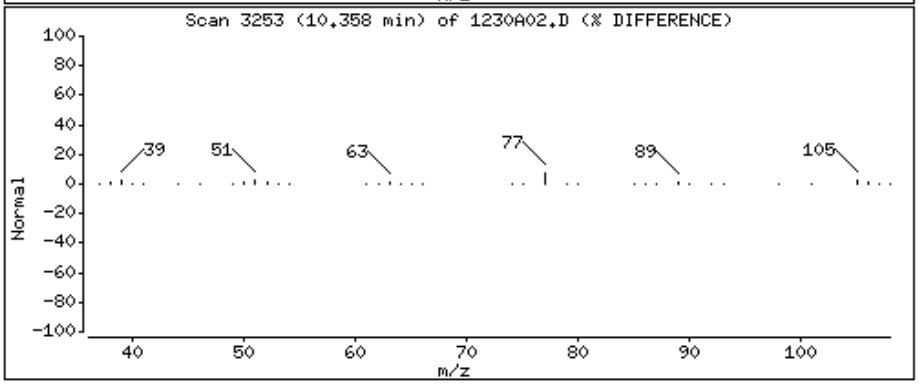
77 o xylene

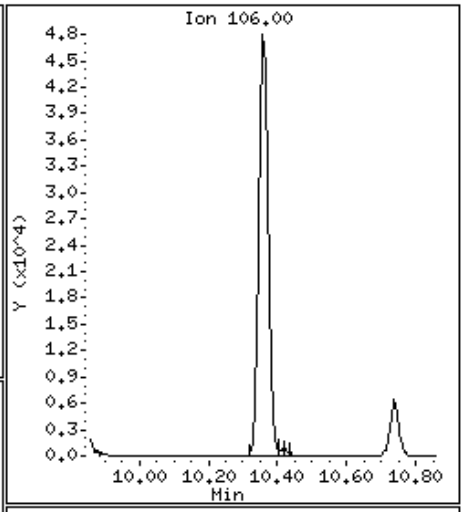
Concentration: 16.639 ngs

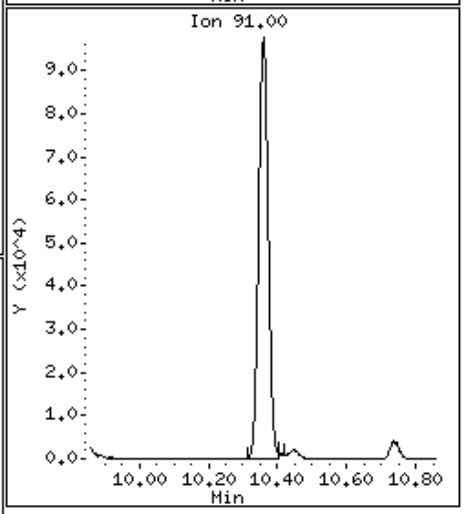












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

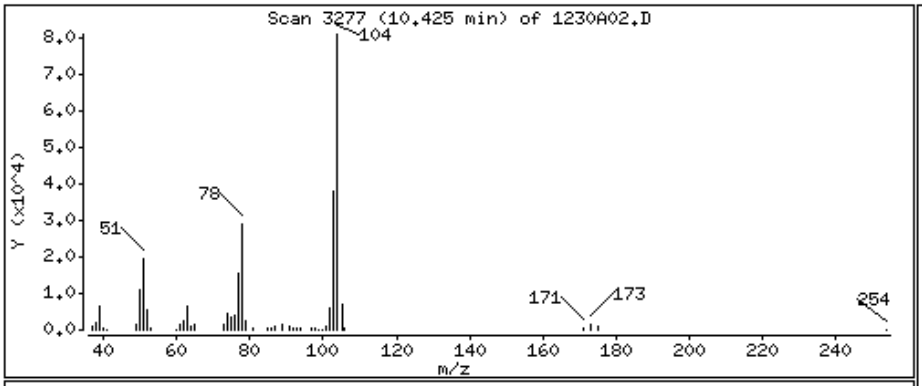
Operator: PD

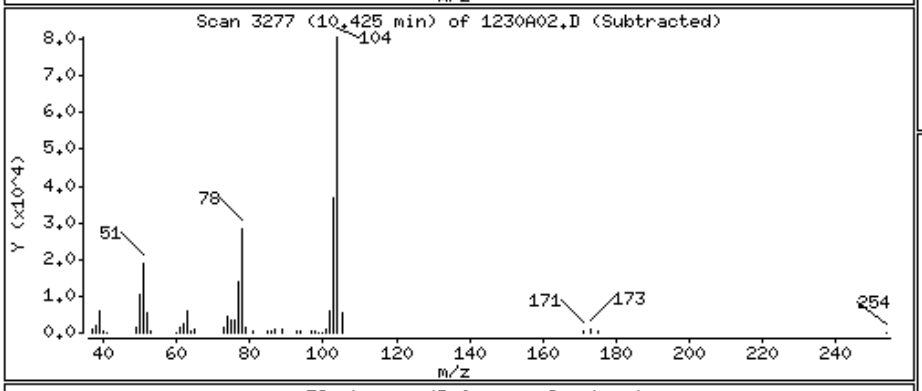
Column phase:

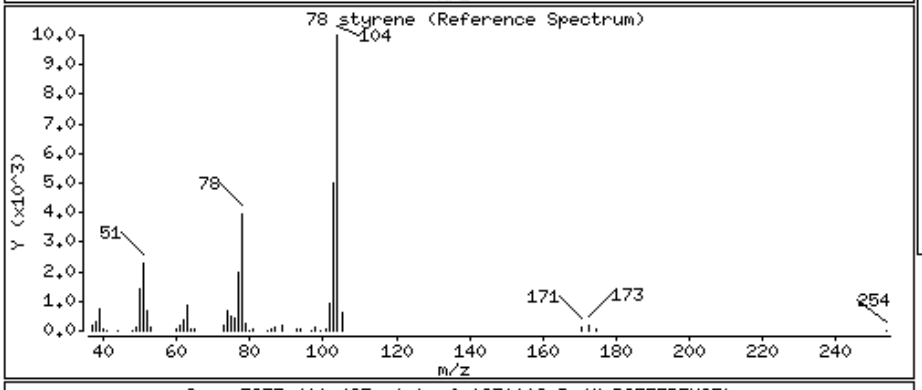
Column diameter: 0.18

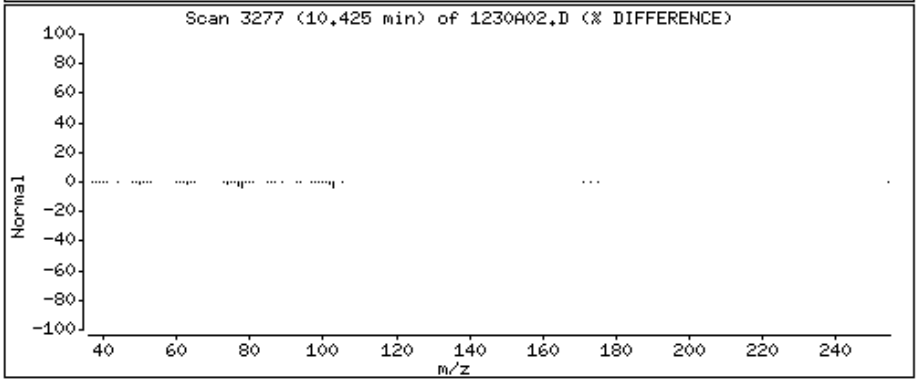
78 styrene

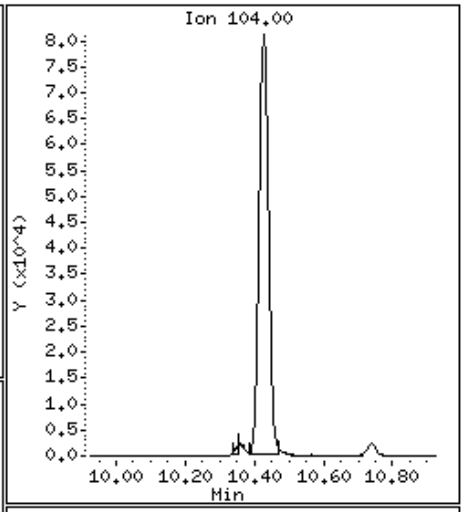
Concentration: 17.279 ngs

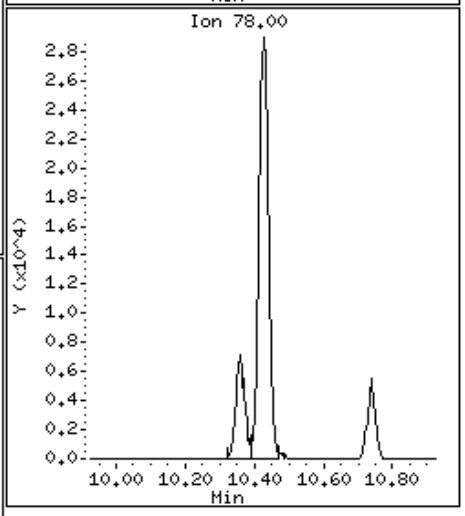












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

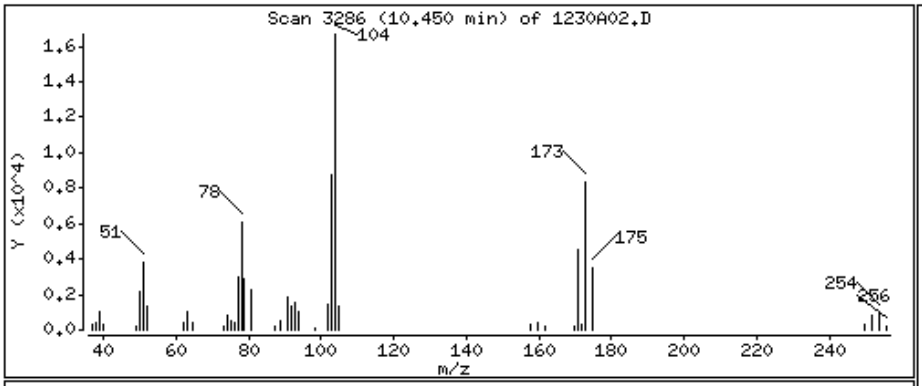
Operator: PD

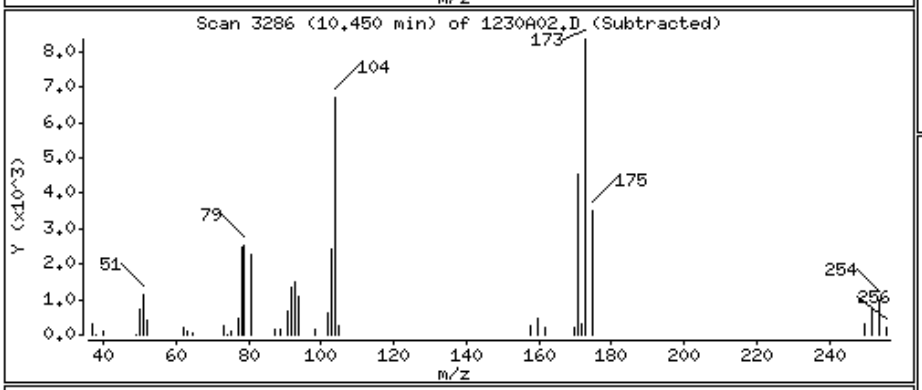
Column phase:

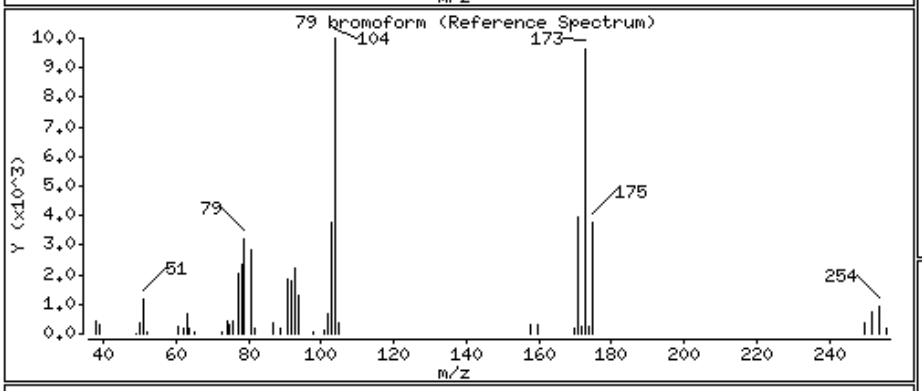
Column diameter: 0.18

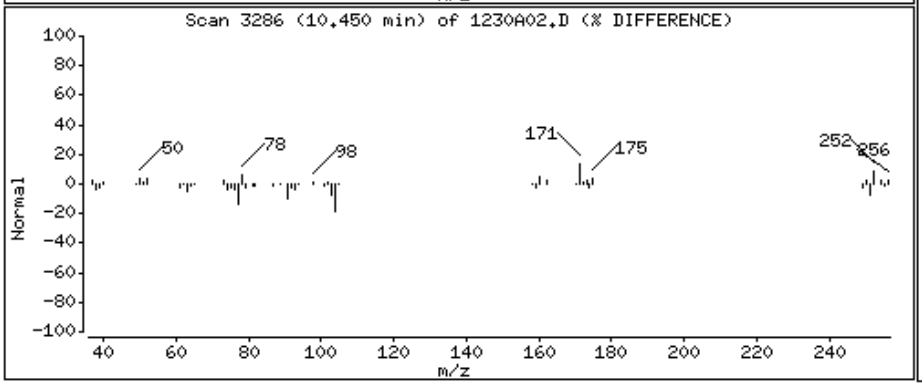
79 bromoform

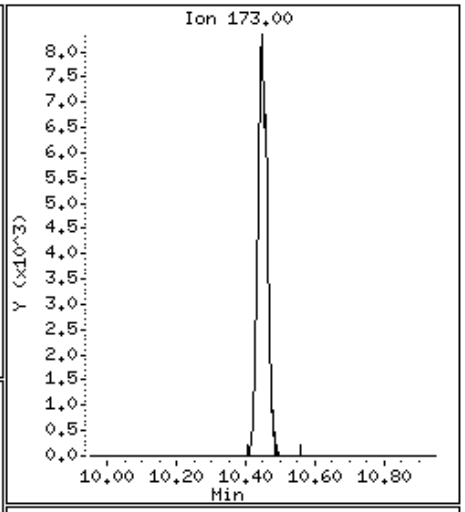
Concentration: 9.570 ngs

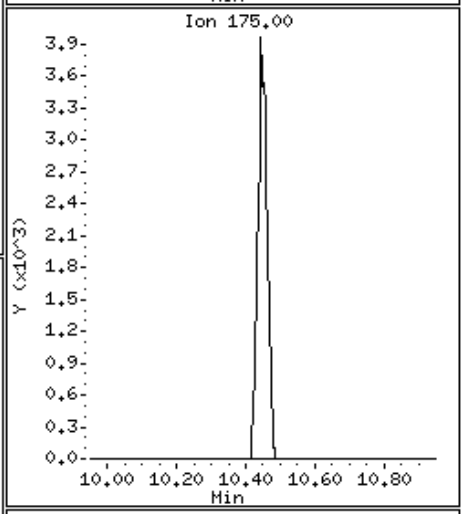


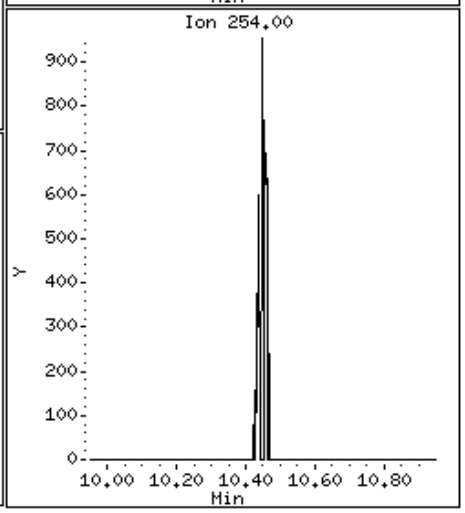












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

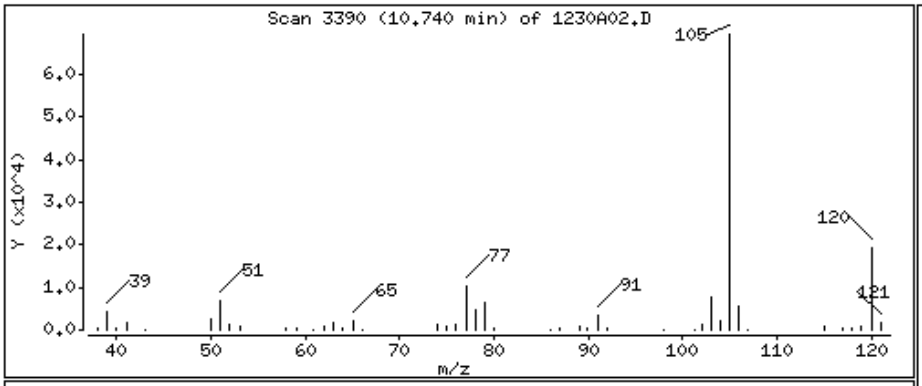
Operator: PD

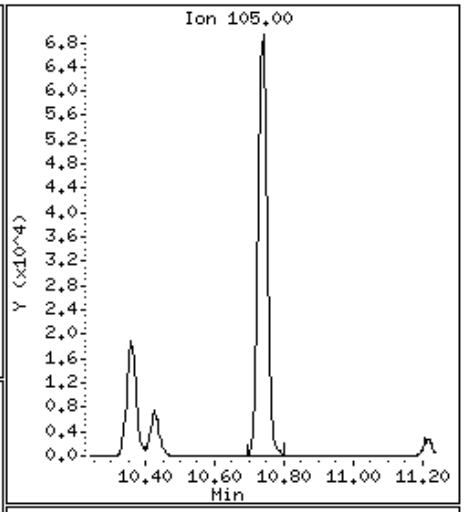
Column phase:

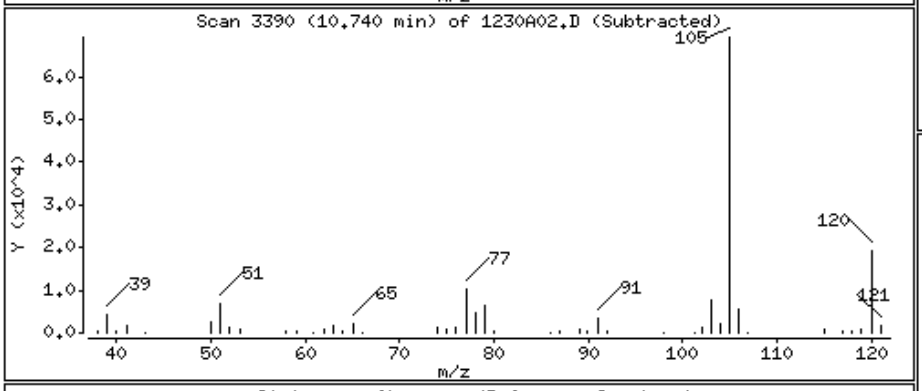
Column diameter: 0.18

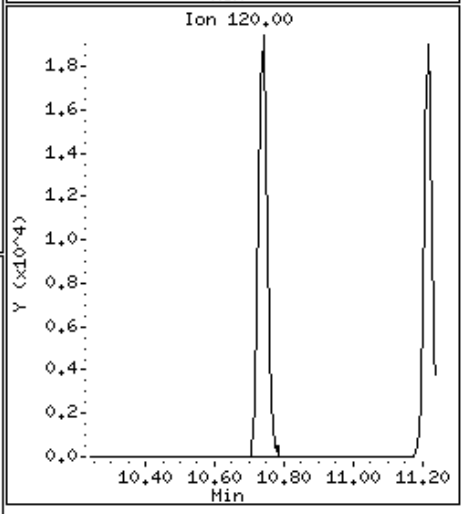
80 isopropylbenzene

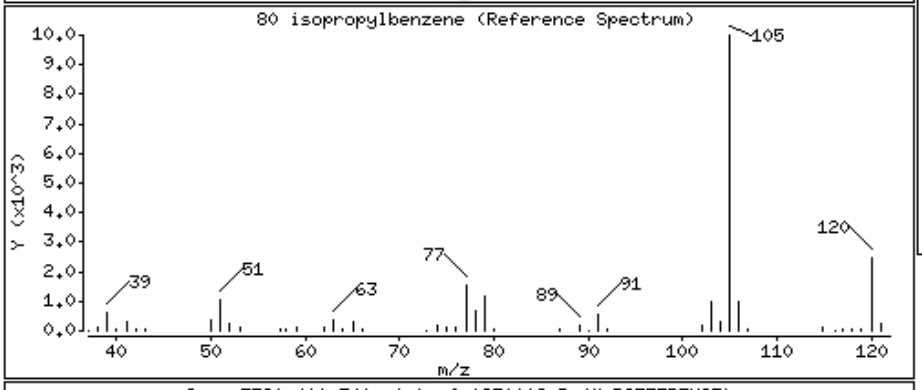
Concentration: 10.181 ngs

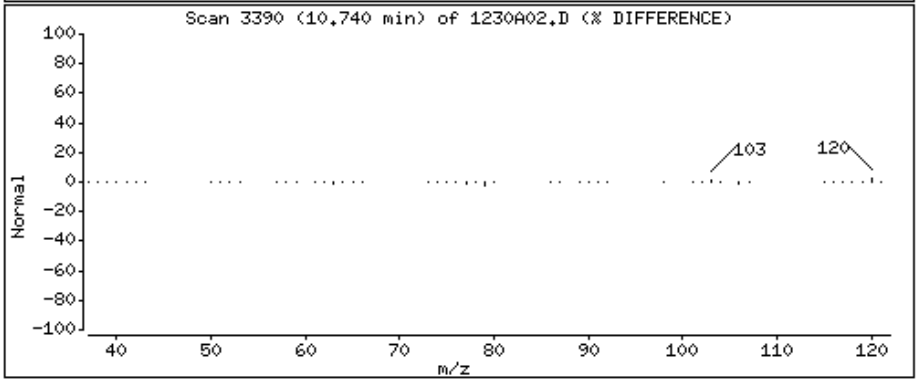












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

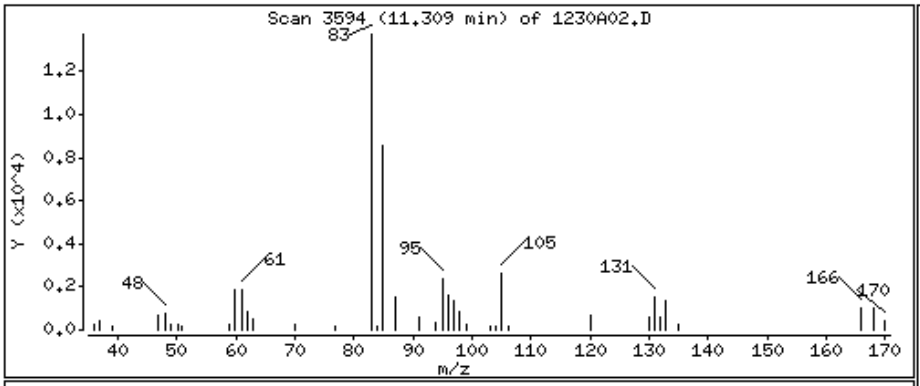
Operator: PD

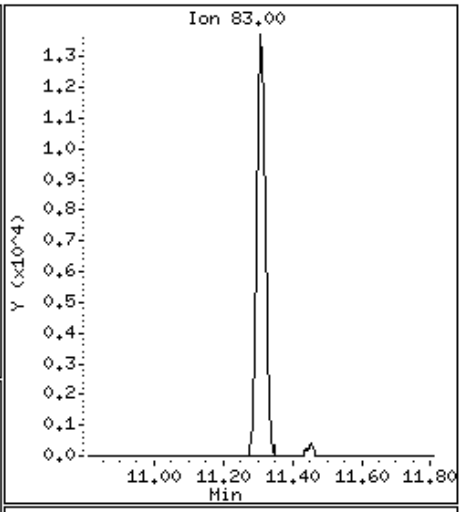
Column phase:

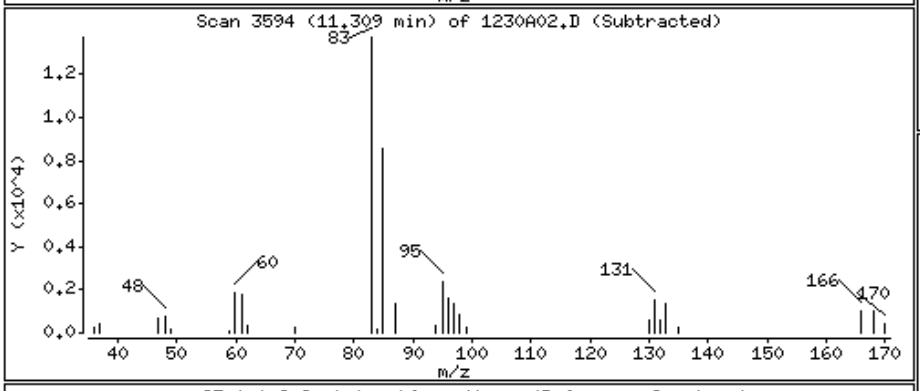
Column diameter: 0.18

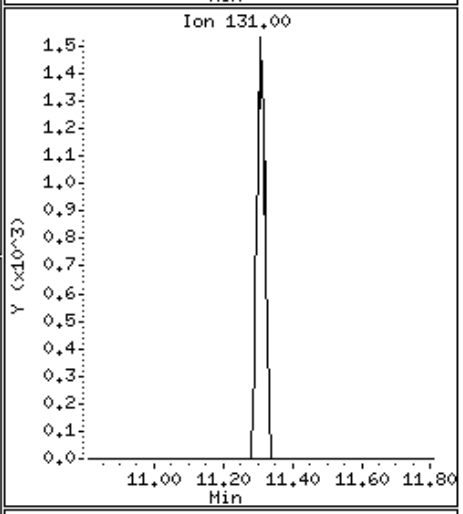
85 1,1,2,2,-tetrachloroethane

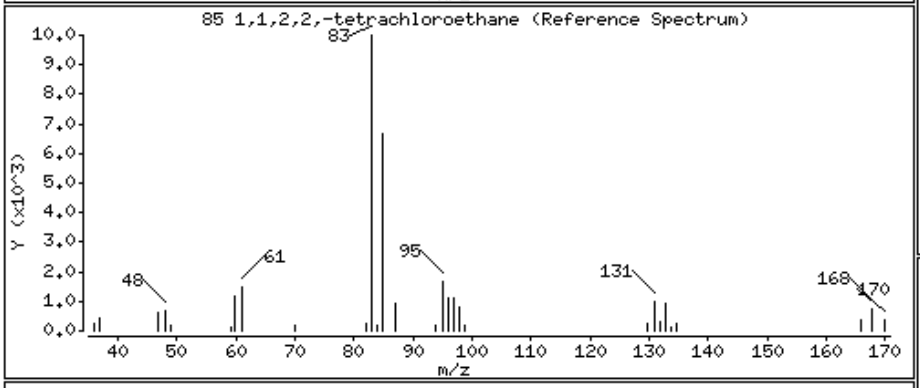
Concentration: 10.289 ngs

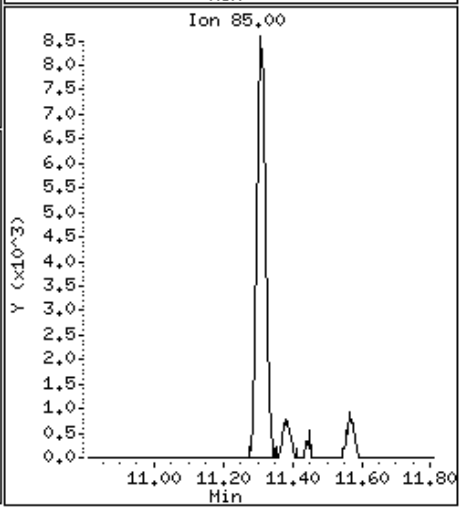


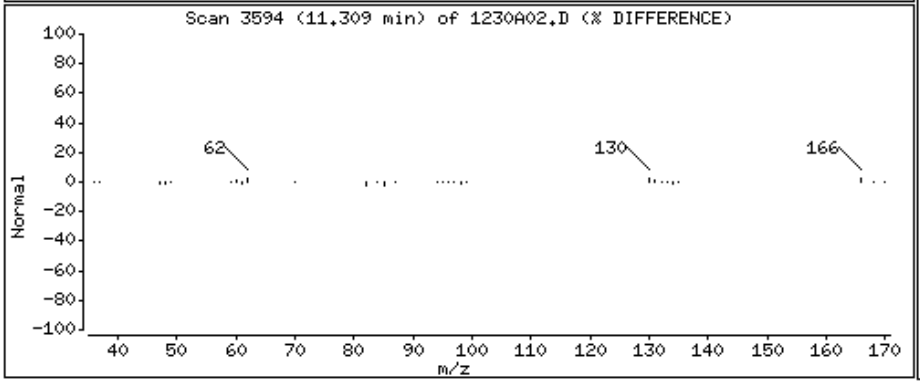












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

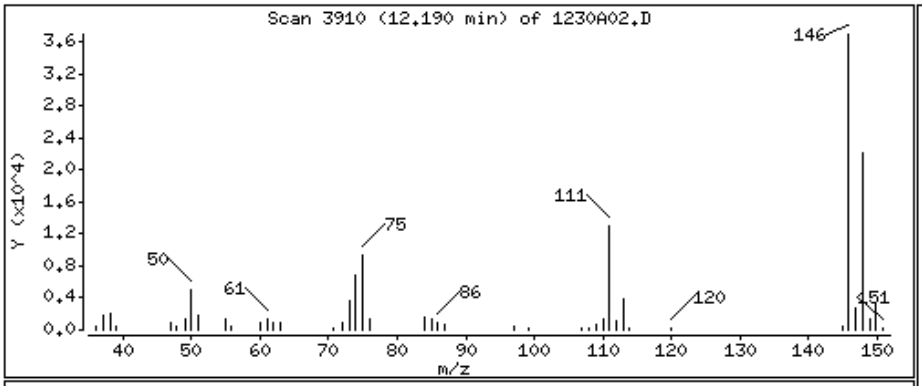
Operator: PD

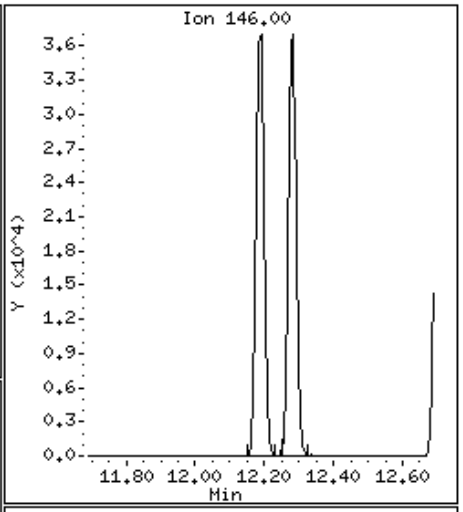
Column phase:

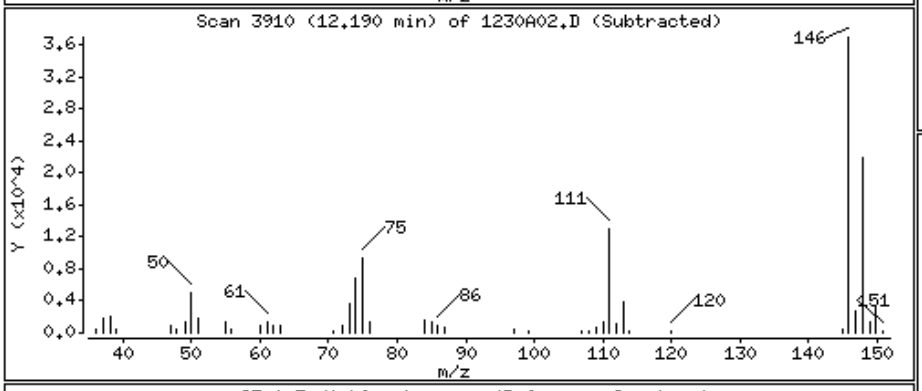
Column diameter: 0.18

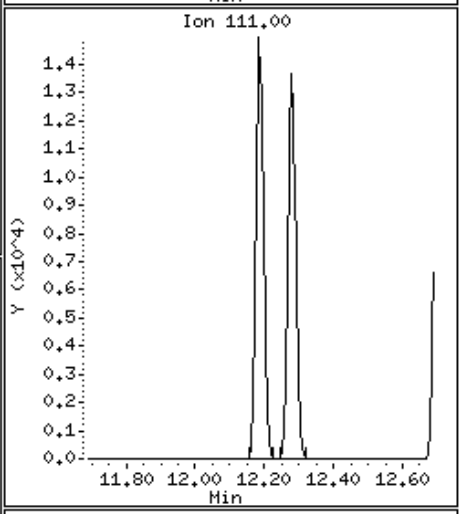
97 1,3-dichlorobenzene

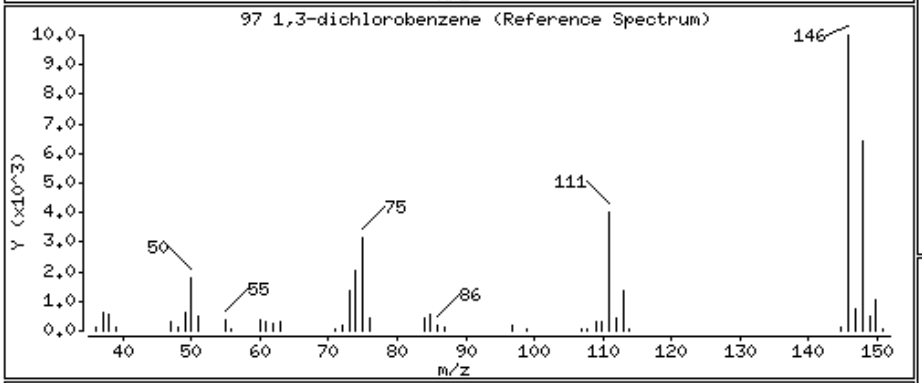
Concentration: 10.296 ngs

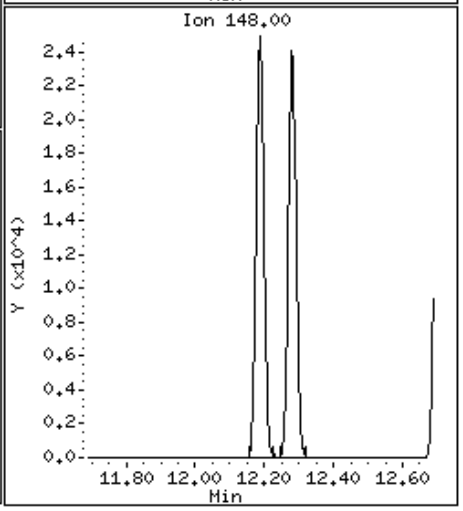


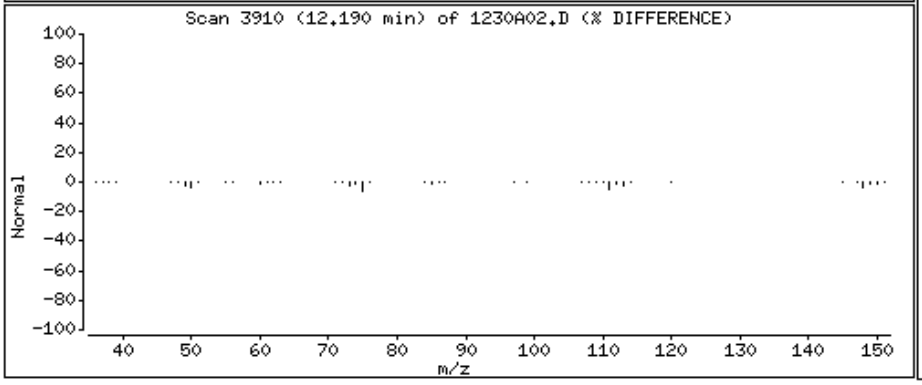












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

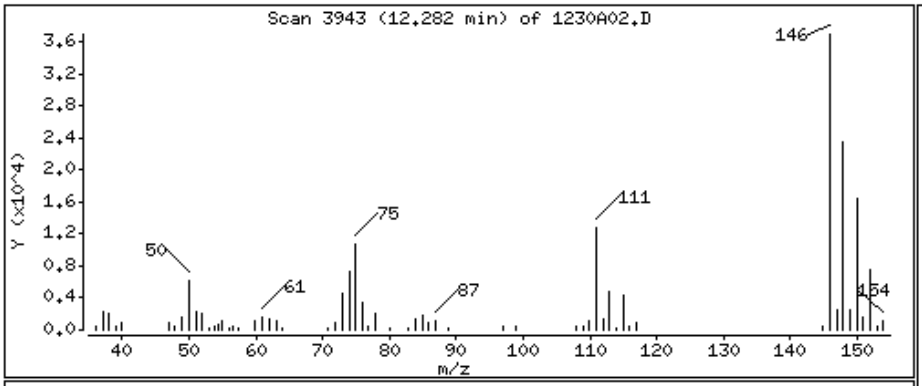
Operator: PD

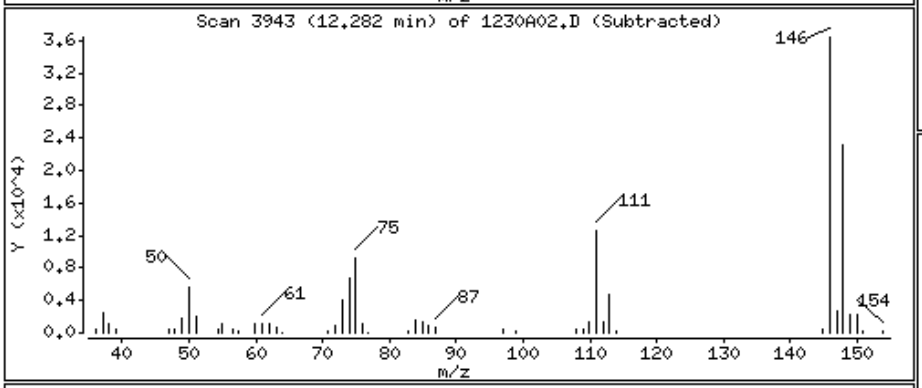
Column phase:

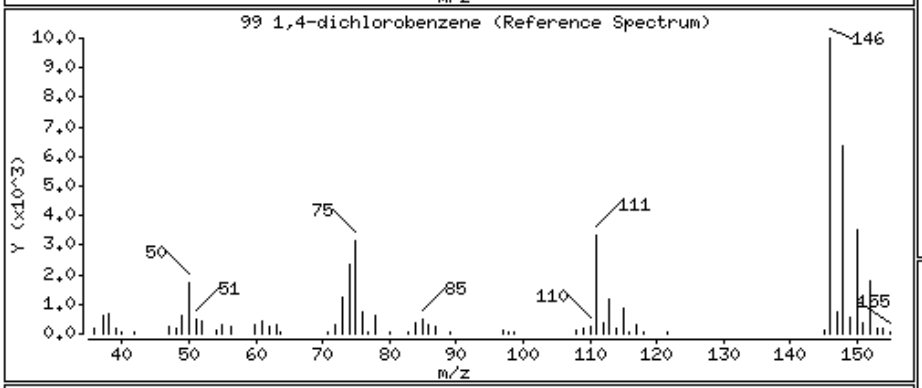
Column diameter: 0.18

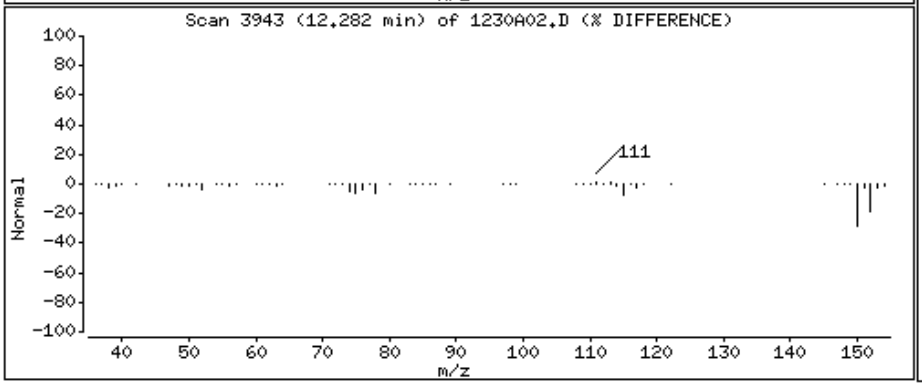
99 1,4-dichlorobenzene

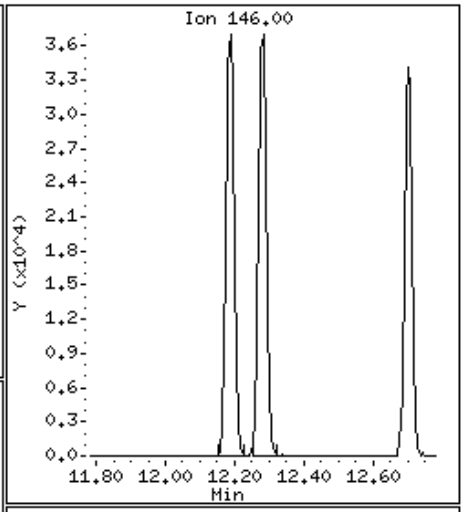
Concentration: 10.047 ngs

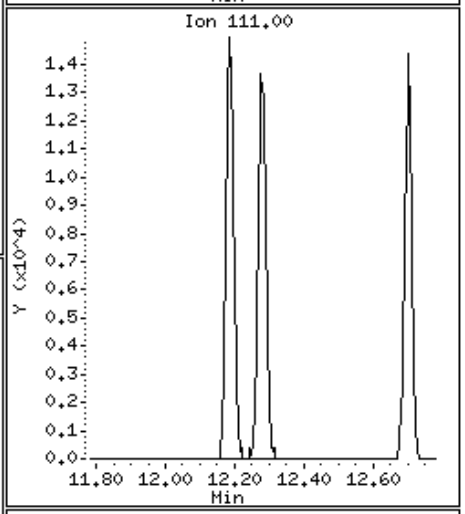


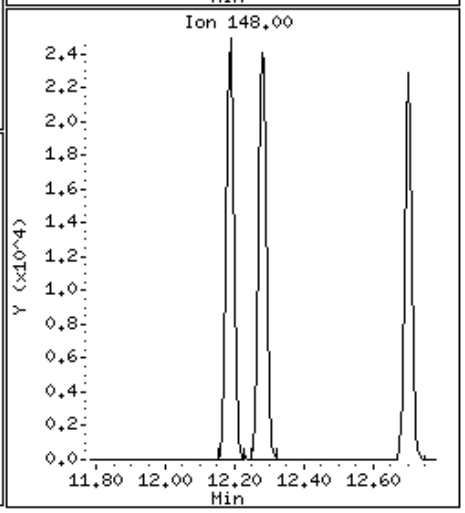












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

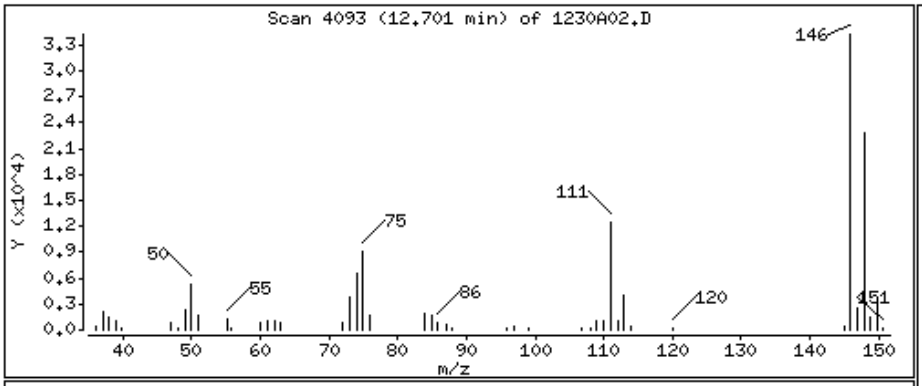
Operator: PD

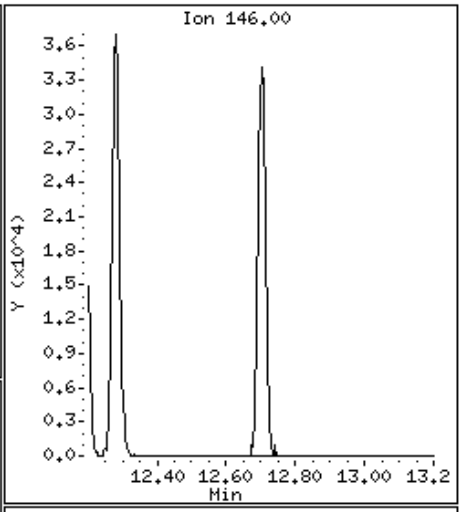
Column phase:

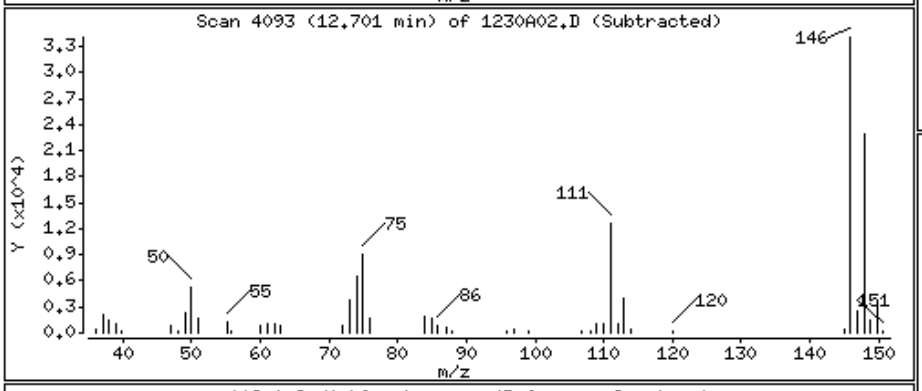
Column diameter: 0.18

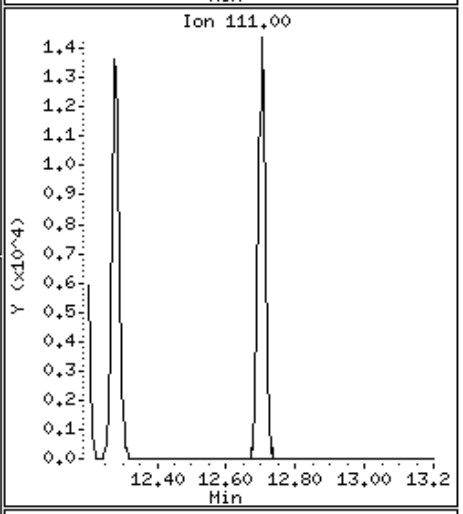
102 1,2-dichlorobenzene

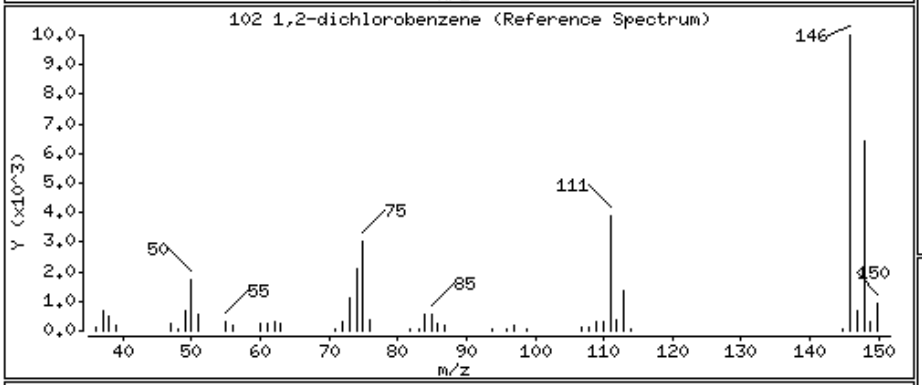
Concentration: 10.179 ngs

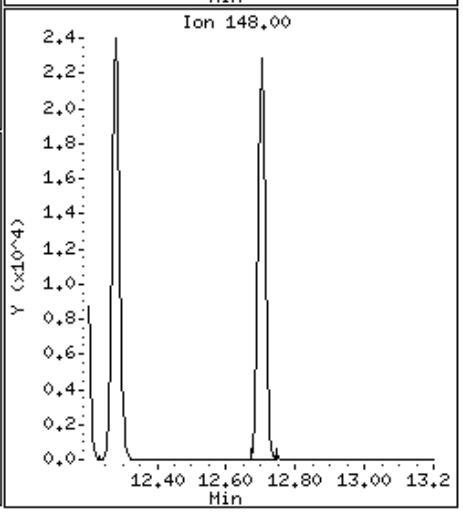


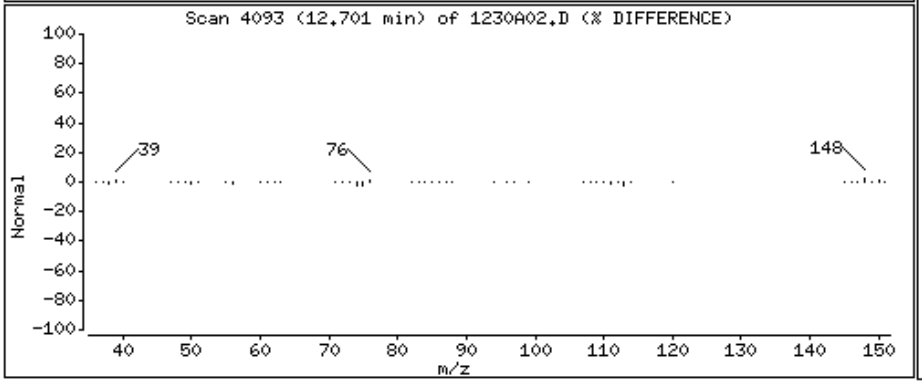












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

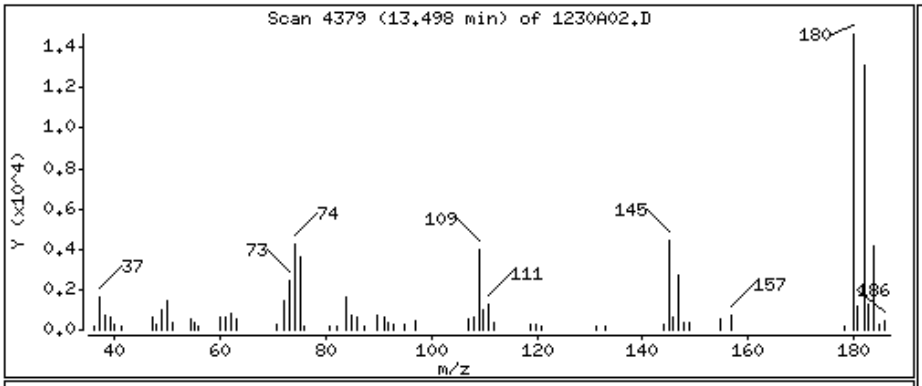
Operator: PD

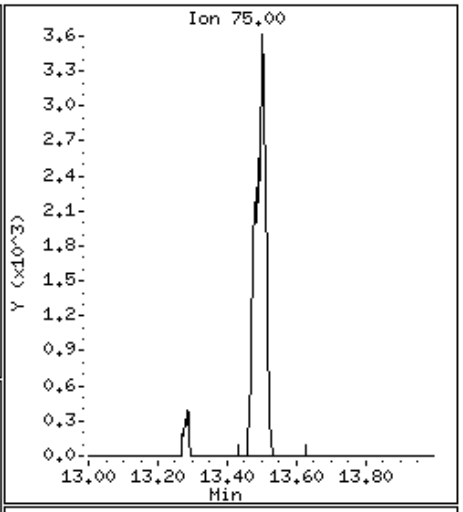
Column phase:

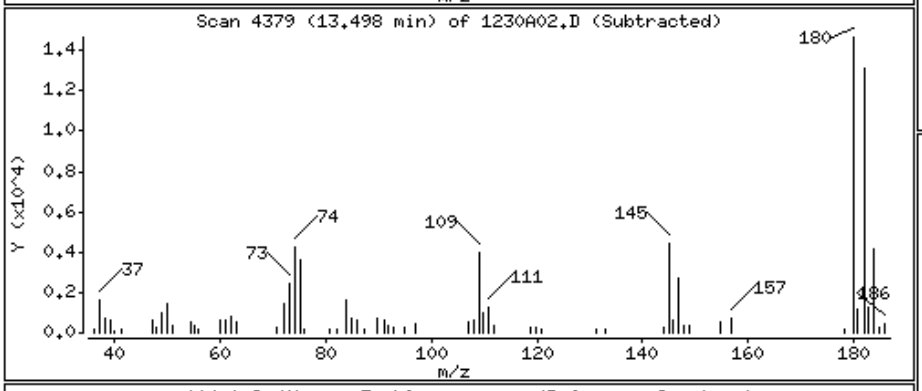
Column diameter: 0.18

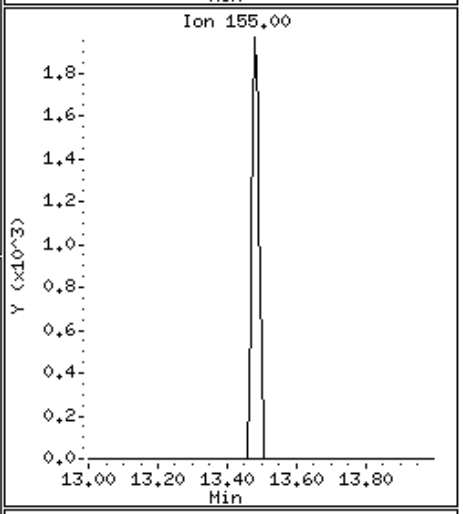
104 1,2-dibromo-3-chloropropane

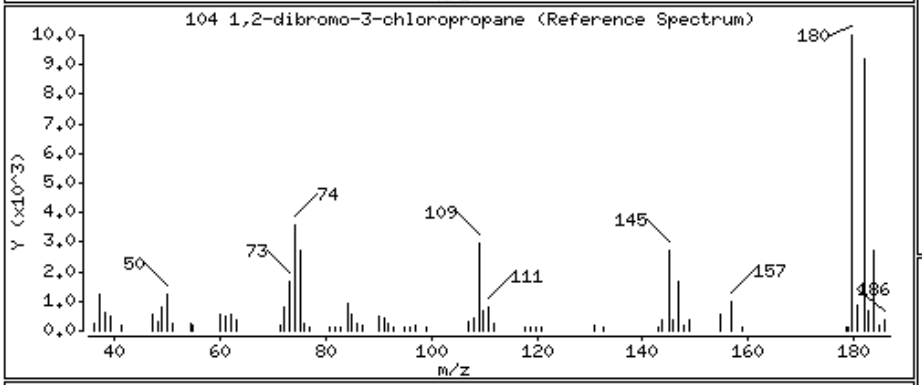
Concentration: 9.160 ngs

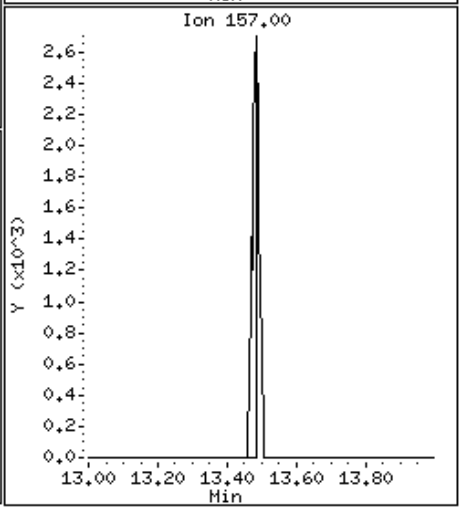


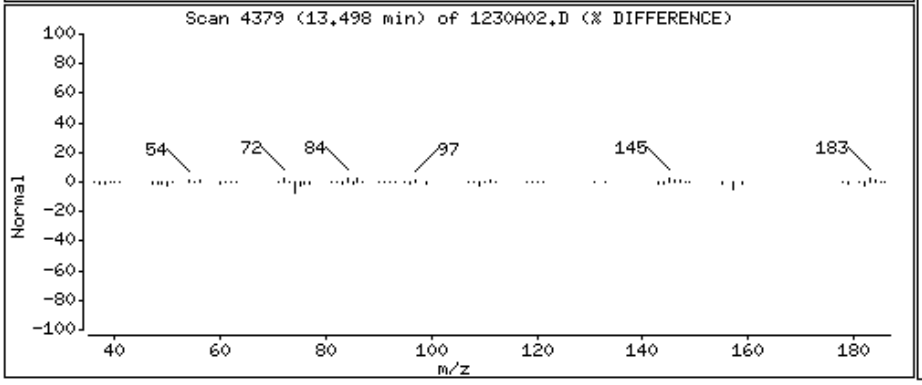












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

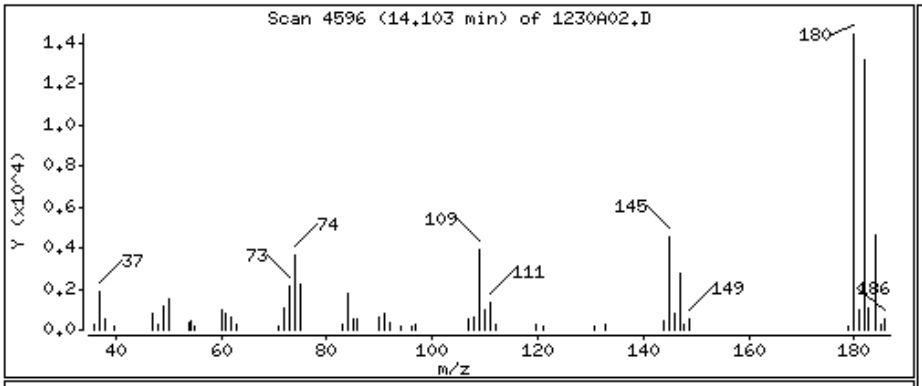
Operator: PD

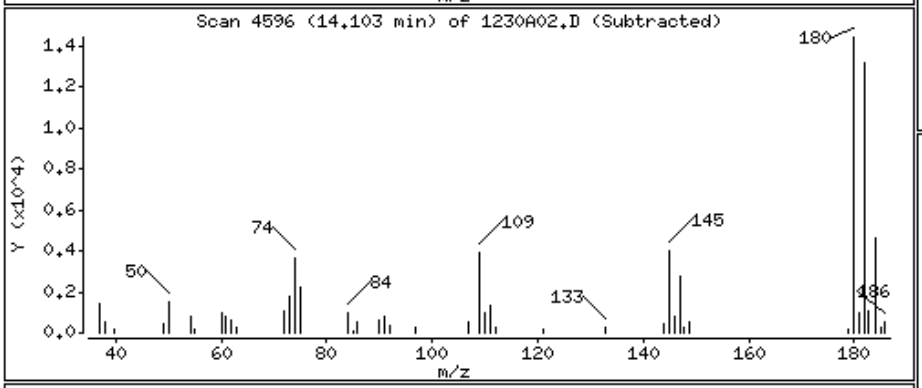
Column phase:

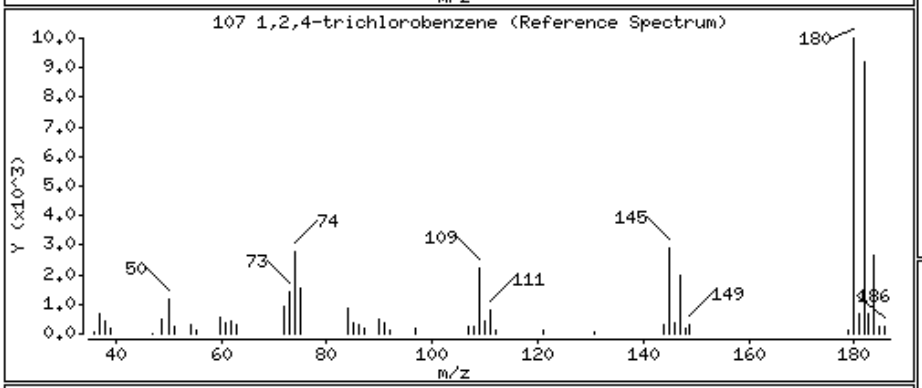
Column diameter: 0.18

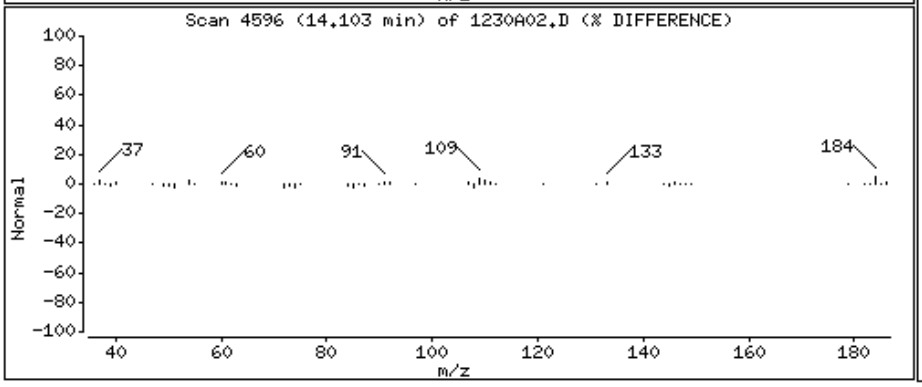
107 1,2,4-trichlorobenzene

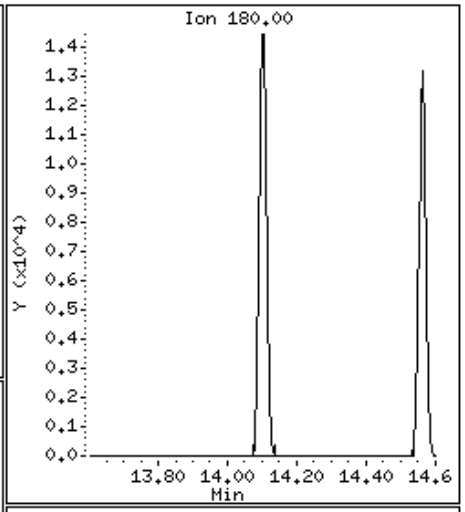
Concentration: 9.010 ngs

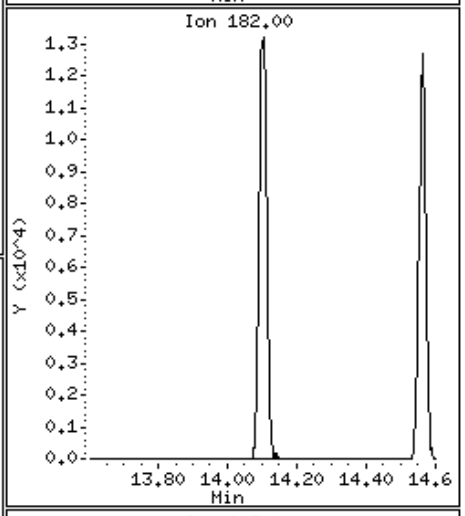


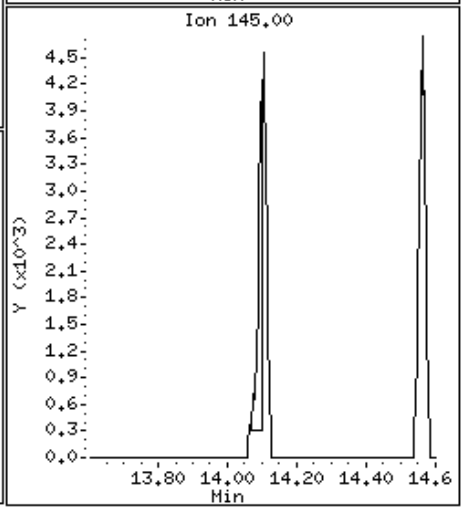












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A02.D

Date : 30-DEC-2015 07:52

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-1,31,10

Purge Volume: 10.0

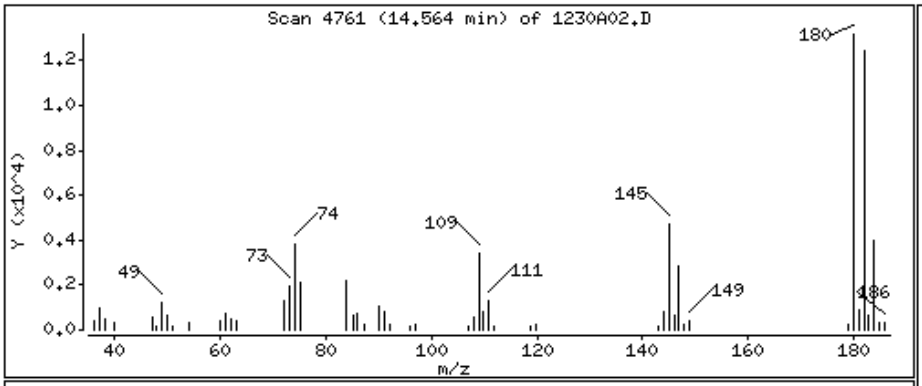
Operator: PD

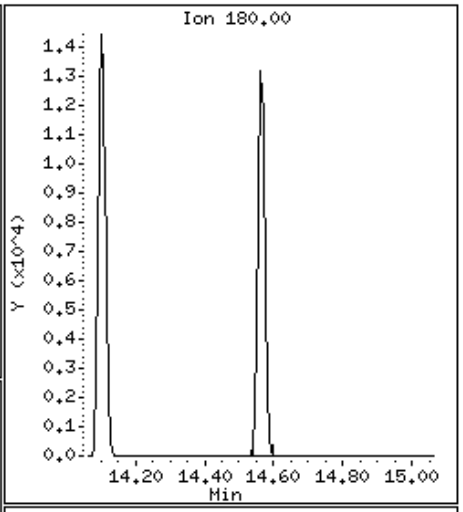
Column phase:

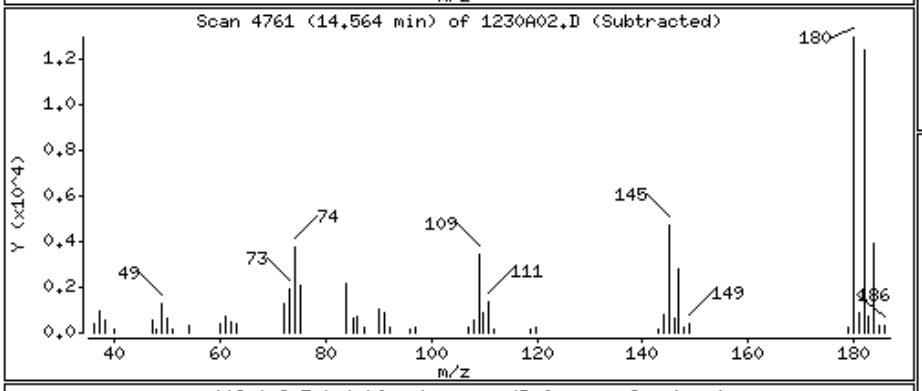
Column diameter: 0.18

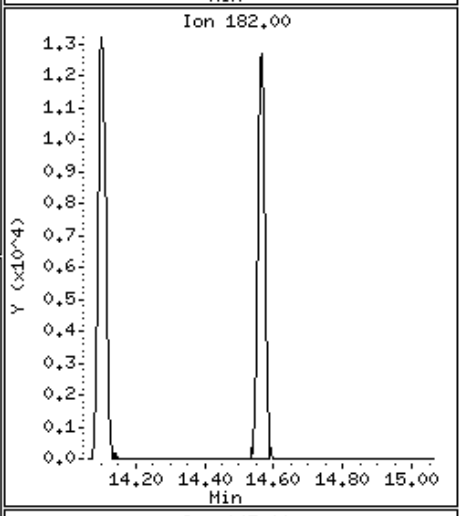
109 1,2,3-trichlorobenzene

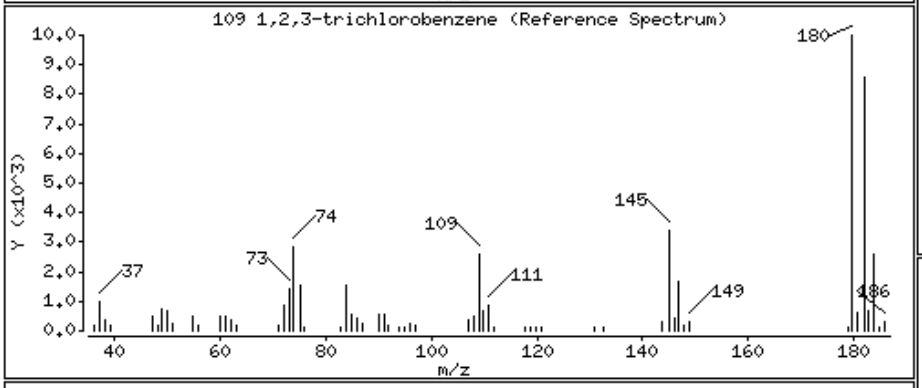
Concentration: 9.106 ngs

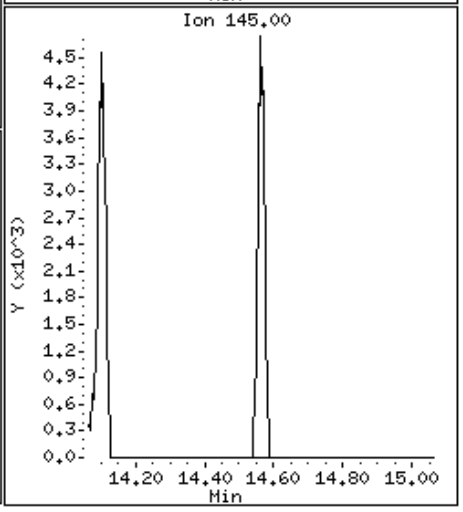


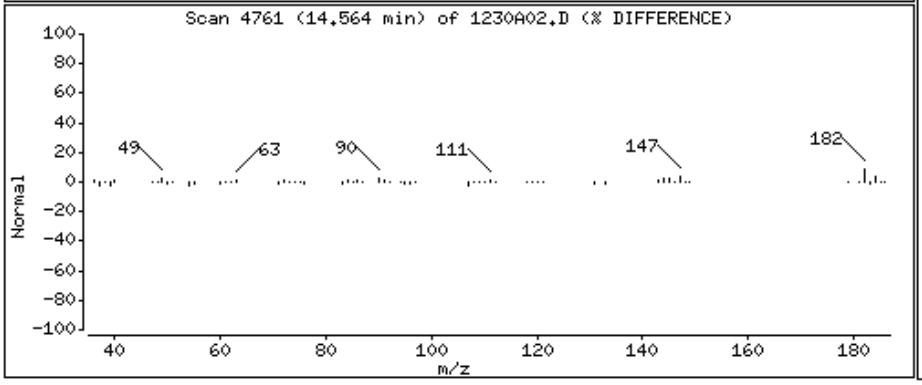












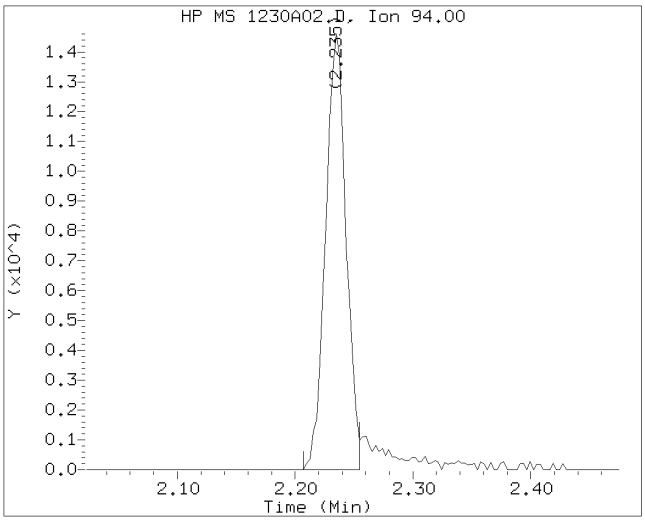
Alpha Analytical Labs

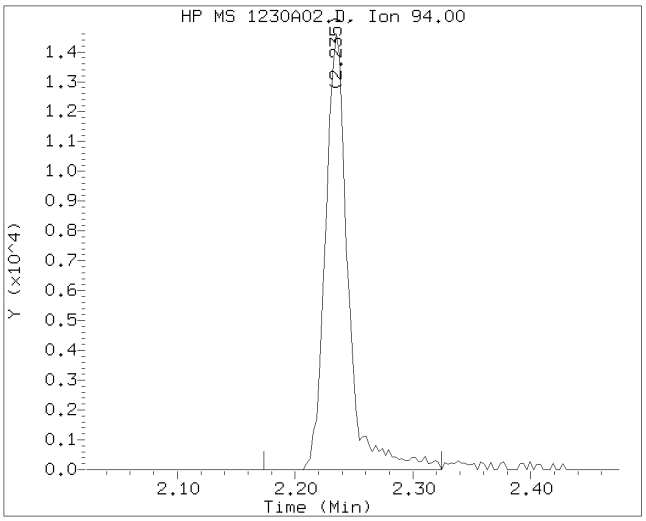
Manual Integration

Sample Info : wg854069-1,31,10
wg854069,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1230A02.D
Injection Date : 30-DEC-2015 07:52
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: LCS

Compound # 4: bromomethane

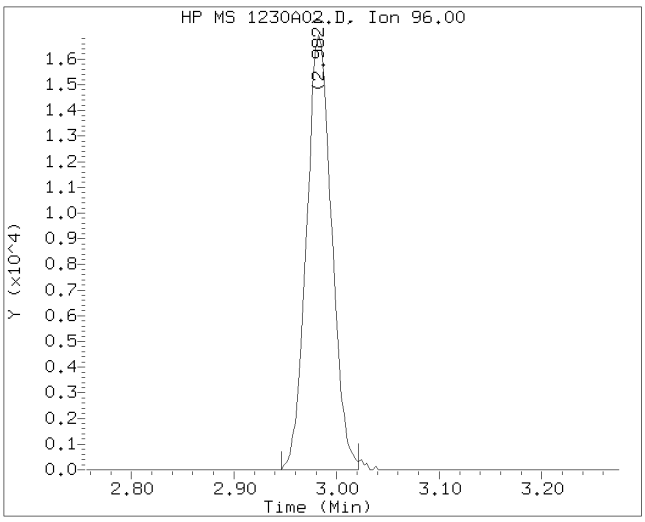


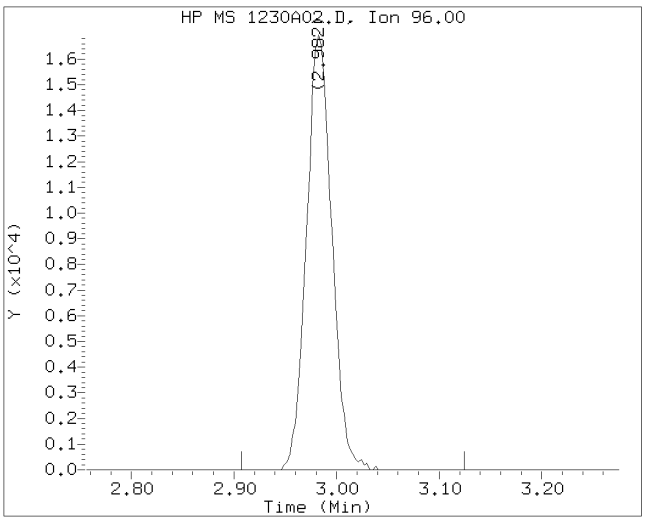


Original Peak Response = 17784 Manual Peak Response = 19781 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 9: 1,1,-dichloroethene





Original Peak Response = 29016 Manual Peak Response = 29186 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

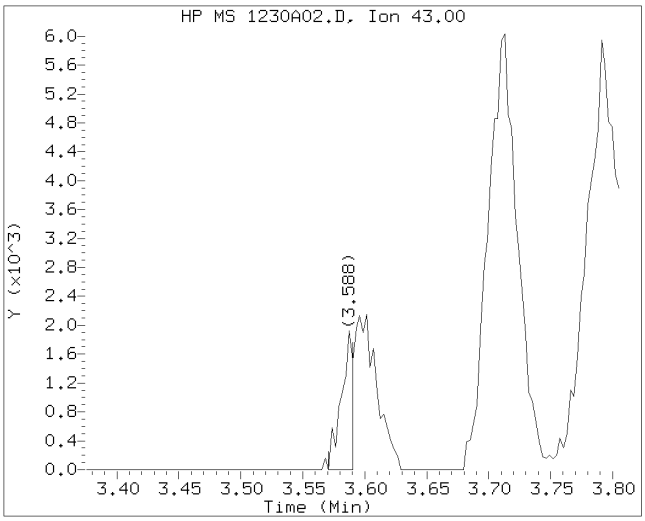
Alpha Analytical Labs

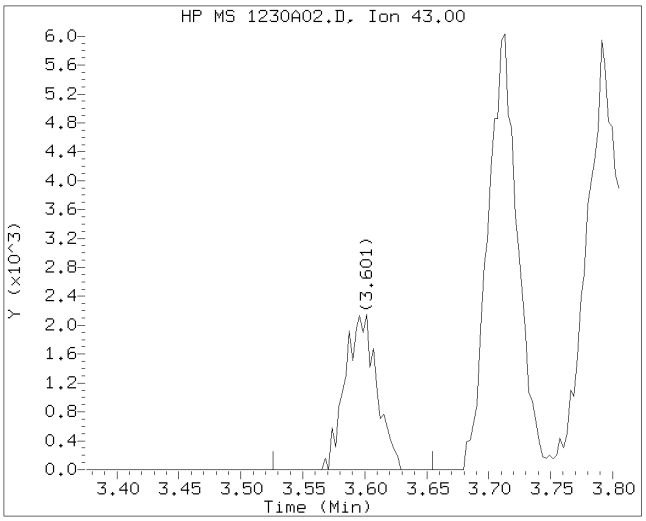
Manual Integration

Sample Info : wg854-1,31,10
wg854,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1230A02.D
Injection Date : 30-DEC-2015 07:52
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 16: acetone

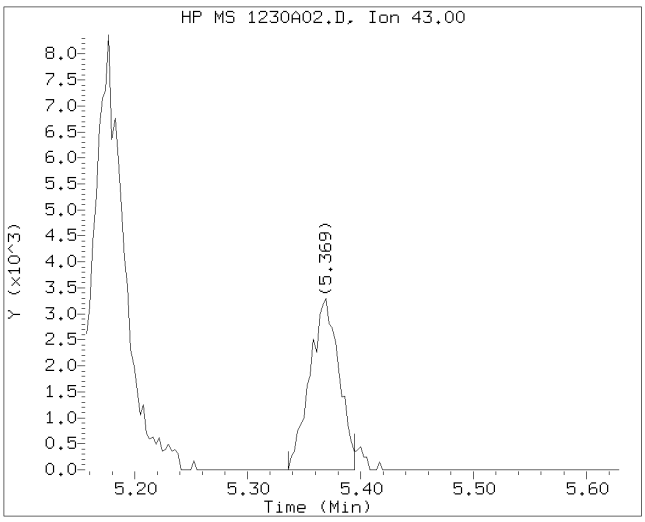


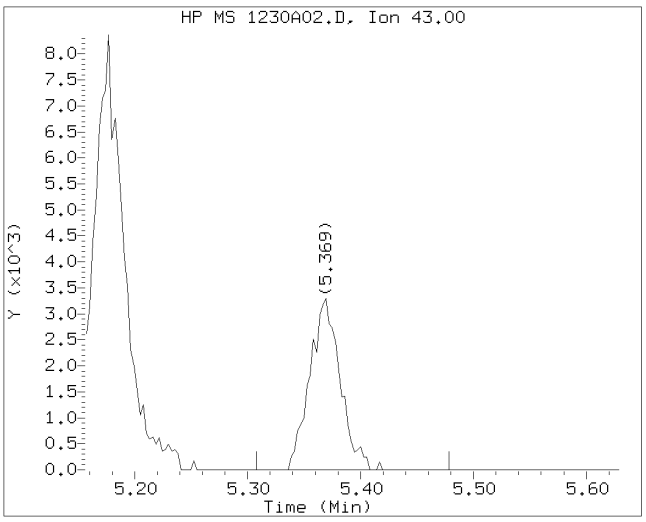


Original Peak Response = 1269 Manual Peak Response = 3848 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 38: 2-butanone





Original Peak Response = 5922 Manual Peak Response = 6170 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

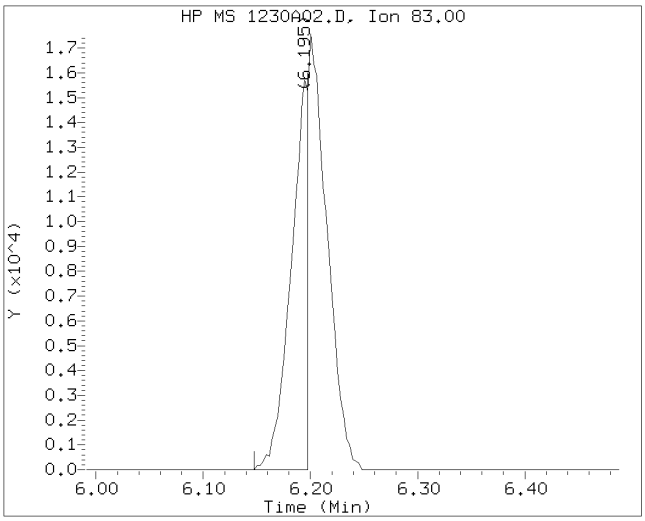
Alpha Analytical Labs

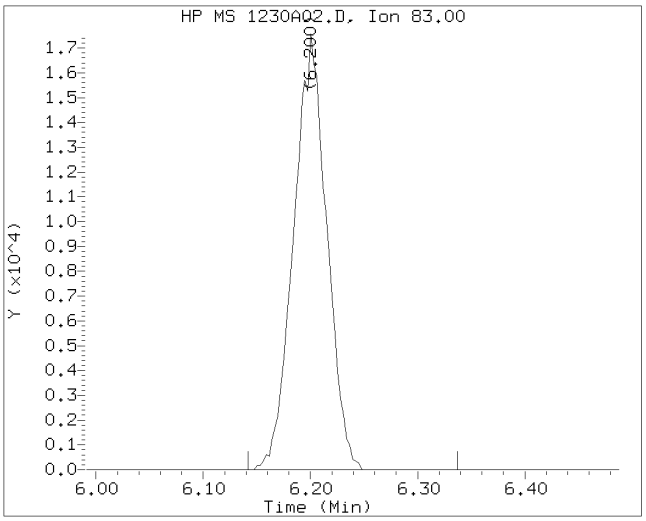
Manual Integration

Sample Info : wg854-1,31,10
wg854,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1230A02.D
Injection Date : 30-DEC-2015 07:52
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 47: methyl cyclohexane

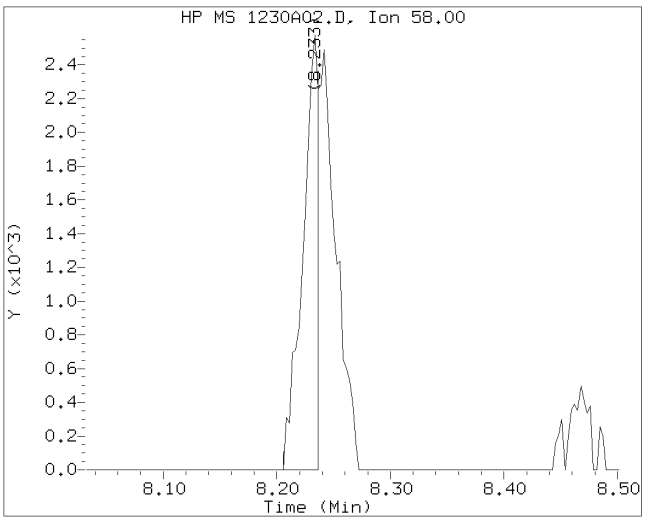


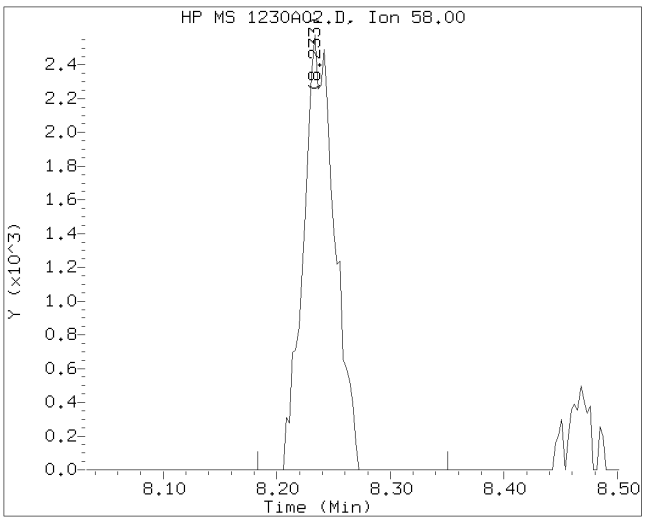


Original Peak Response = 17967 Manual Peak Response = 37795 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 60: 4-methyl-2-pentanone





Original Peak Response = 2450 Manual Peak Response = 4932 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

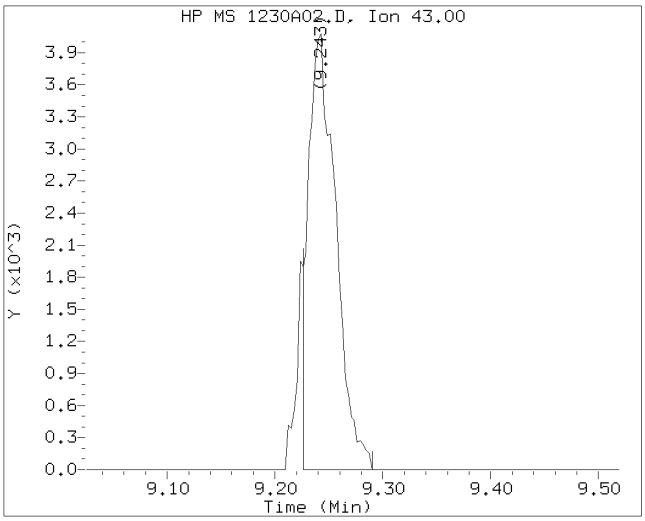
Alpha Analytical Labs

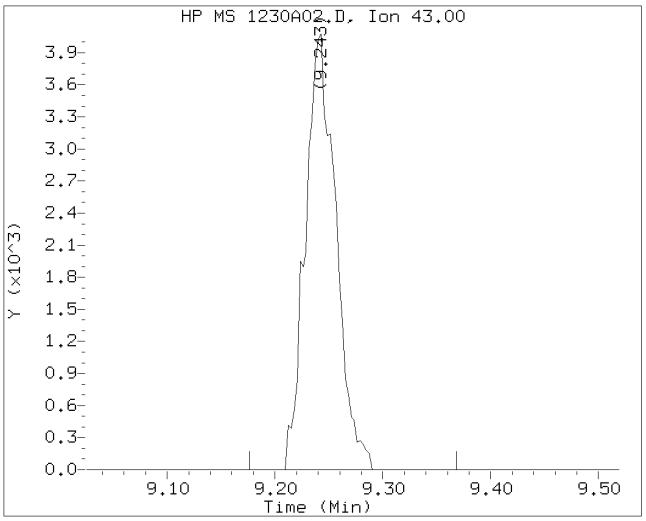
Manual Integration

Sample Info : wg854-1,31,10
wg854,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1230A02.D
Injection Date : 30-DEC-2015 07:52
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 71: 2-hexanone

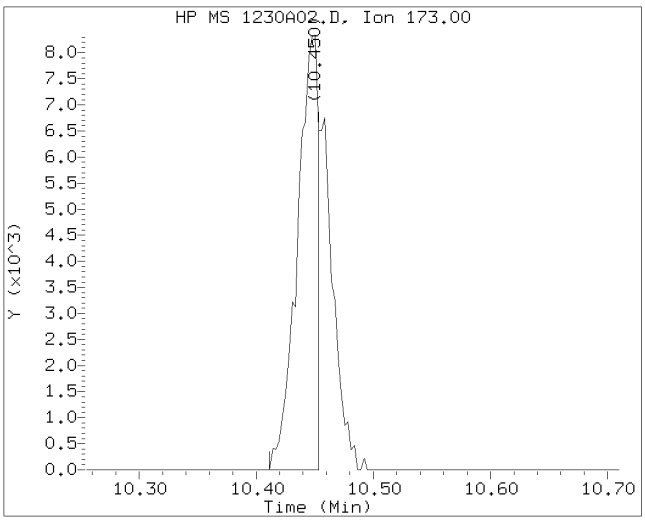


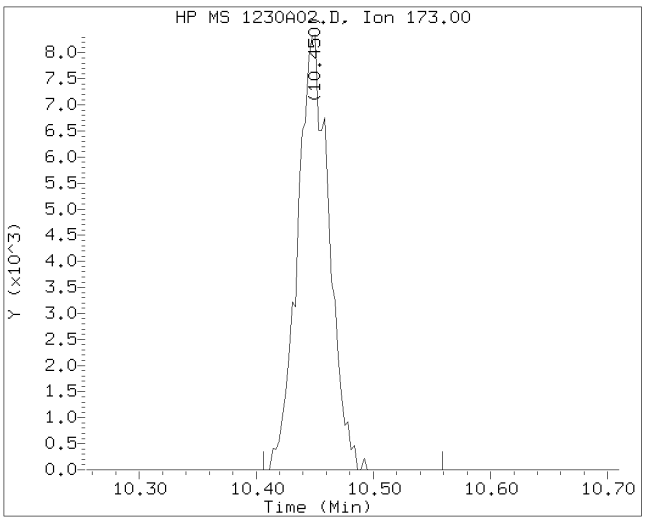


Original Peak Response = 7325 Manual Peak Response = 8019 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 79: bromoform





Original Peak Response = 10378 Manual Peak Response = 15687 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

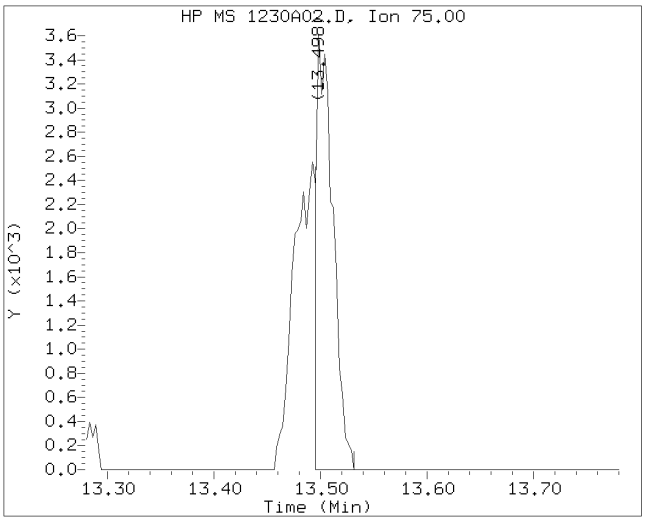
Alpha Analytical Labs

Manual Integration

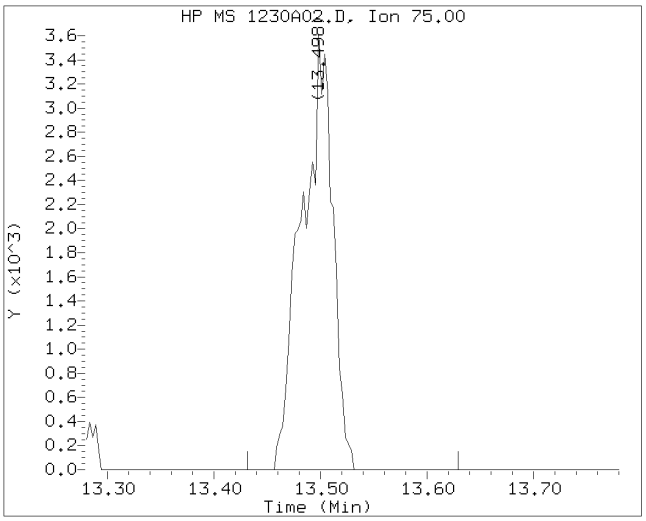
Sample Info : wg854-1,31,10
wg854,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1230A02.D
Injection Date : 30-DEC-2015 07:52
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 104: 1,2-dibromo-3-chloropropane



Original Peak Response = 3987



Manual Peak Response = 7233 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D
Lab Smp Id:
Inj Date : 31-DEC-2015 09:40
Operator : PD Inst ID: Voa108.i
Smp Info : wg853951-8,31,10
Misc Info : wg853951,ical11667
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Meth Date : 31-Dec-2015 13:17 Voa108.i Quant Type: ISTD
Cal Date : 07-NOV-2015 22:27 Cal File: 1107A10.D
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	1.655	1.655	(0.273)	20932	112.613	11.261	
	2 chloromethane	50	1.841	1.841	(0.304)	23749	125.110	12.511(M)	M1
	3 vinyl chloride	62	1.925	1.925	(0.318)	23816	97.5108	9.751	
	4 bromomethane	94	2.240	2.240	(0.370)	12187	80.5643	8.056(M)	M1
	5 chloroethane	64	2.357	2.357	(0.390)	20176	78.8029	7.880	
	6 trichlorofluoromethane	101	2.497	2.497	(0.413)	45030	76.1926	7.619	
	9 1,1,-dichloroethene	96	2.987	2.987	(0.494)	24330	73.7297	7.372	
	11 freon-113	101	3.024	3.024	(0.500)	24732	73.7461	7.374	
	10 carbon disulfide	76	3.013	3.013	(0.498)	65519	66.8711	6.687	
	15 methylene chloride	84	3.548	3.548	(0.586)	21008	102.352	10.235	
	16 acetone	43	3.601	3.601	(0.595)	3592	74.9577	7.495	
	17 trans-1,2-dichloroethene	96	3.699	3.699	(0.611)	21150	103.986	10.398	
	18 Methyl Acetate	43	3.715	3.715	(0.614)	9803	114.559	11.455	
	19 methyl tert butyl ether	73	3.799	3.799	(0.628)	41545	89.4830	8.948	
	22 1,1-dichloroethane	63	4.284	4.284	(0.708)	38034	104.066	10.406(M)	M1
	26 vinyl acetate	43	4.524	4.524	(0.748)	43751	100.797	10.079	
	27 cis-1,2-dichloroethene	96	4.803	4.803	(0.794)	22955	95.4037	9.540	
	29 bromochloromethane	128	4.995	4.995	(0.825)	11949	105.007	10.500	
	30 Cyclohexane	56	4.981	4.981	(0.823)	30797	101.882	10.188	
	31 chloroform	83	5.062	5.062	(0.836)	39090	99.0297	9.902	
	33 carbontetrachloride	117	5.196	5.196	(0.859)	32661	104.209	10.420	
$	36 dibromofluoromethane	113	5.246	5.246	(0.867)	27803	105.937	10.593	
	37 1,1,1-trichloroethane	97	5.269	5.269	(0.871)	35335	104.026	10.402	
	38 2-butanone	43	5.372	5.372	(0.888)	6050	93.7297	9.372(M)	M1
	40 benzene	78	5.634	5.634	(0.931)	83490	98.3620	9.836	
$	42 1,2-dichloroethane-d4	65	5.776	5.776	(0.954)	27003	94.8866	9.488	
	43 1,2-dichloroethane	62	5.843	5.843	(0.965)	26363	98.8361	9.883	
*	46 flourobenzene	96	6.052	6.052	(1.000)	95986	100.000		

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	47 methyl cyclohexane	83	6.203	6.203	(1.025)	29775	89.9116	8.991	
	48 trichloroethene	95	6.225	6.225	(1.029)	23428	98.1150	9.811	
	52 1,2-dichloropropane	63	6.777	6.777	(1.120)	20614	99.9172	9.991	
	53 bromodichloromethane	83	6.844	6.844	(1.131)	28148	93.8654	9.386(M)	M2
	57 cis-1,3-dichloropropene	75	7.533	7.533	(1.245)	31046	93.9628	9.396	
$	58 toluene-d8	98	7.739	7.739	(0.808)	94189	103.425	10.342	
	59 toluene	92	7.795	7.795	(0.814)	53429	101.313	10.131	
	60 4-methyl-2-pentanone	58	8.247	8.247	(1.363)	4051	79.9142	7.991	
	61 tetrachloroethene	166	8.233	8.233	(0.859)	23507	100.703	10.070	
	62 trans-1,3-dichloropropene	75	8.283	8.283	(0.865)	26732	98.9631	9.896	
	66 1,1,2-trichloroethane	83	8.473	8.473	(0.884)	13766	98.2965	9.829	
	67 chlorodibromomethane	129	8.674	8.674	(0.905)	21970	103.212	10.321	
	70 1,2-dibromoethane	107	8.952	8.952	(0.935)	17060	102.496	10.249	
	71 2-hexanone	43	9.248	9.248	(0.965)	7367	88.3287	8.832	
*	72 chlorobenzene-d5	117	9.580	9.580	(1.000)	74653	100.000		
	73 chlorobenzene	112	9.602	9.602	(1.002)	63026	99.5810	9.958	
	74 ethyl benzene	91	9.636	9.636	(1.006)	98794	93.1458	9.314	
	76 p/m xylene	106	9.822	9.822	(1.025)	80062	182.785	18.278	
	77 o xylene	106	10.363	10.363	(1.082)	73309	171.863	17.186	
	78 styrene	104	10.430	10.430	(1.089)	121348	175.253	17.525	
	79 bromoform	173	10.453	10.453	(0.852)	11926	86.0349	8.603(M)	M2
	80 isopropylbenzene	105	10.743	10.743	(0.876)	97887	93.9242	9.392	
$	81 4-bromofluorobenzene	95	11.069	11.069	(0.902)	29981	94.6481	9.464(M)	M1
	85 1,1,2,2,-tetrachloroethane	83	11.314	11.314	(0.922)	20403	106.692	10.669	
	97 1,3-dichlorobenzene	146	12.193	12.193	(0.994)	46869	95.7272	9.572	
*	98 1,4-dichlorobenzene-d4	152	12.268	12.268	(1.000)	39175	100.000		
	99 1,4-dichlorobenzene	146	12.282	12.282	(1.001)	47005	95.8022	9.580	
	102 1,2-dichlorobenzene	146	12.706	12.706	(1.036)	42978	98.4752	9.847	
	104 1,2-dibromo-3-chloropropane	75	13.506	13.506	(1.101)	6377	95.0113	9.501(M)	M1
	107 1,2,4-trichlorobenzene	180	14.106	14.106	(1.150)	17228	87.6648	8.766	
	109 1,2,3-trichlorobenzene	180	14.569	14.569	(1.188)	15292	91.0457	9.104	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Lab File ID: 1231B01.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Misc Info: wg853951,ical11667

Calibration Date: 31-DEC-2015
Calibration Time: 09:40
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	95986	47993	191972	95986	0.00
72 chlorobenzene-d5	74653	37327	149306	74653	0.00
98 1,4-dichlorobenze	39175	19588	78350	39175	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	6.05	5.55	6.55	6.05	0.00
72 chlorobenzene-d5	9.58	9.08	10.08	9.58	0.00
98 1,4-dichlorobenze	12.27	11.77	12.77	12.27	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: LCS
SpikeList File: newtcreek.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Misc Info: wg853951,ical11667

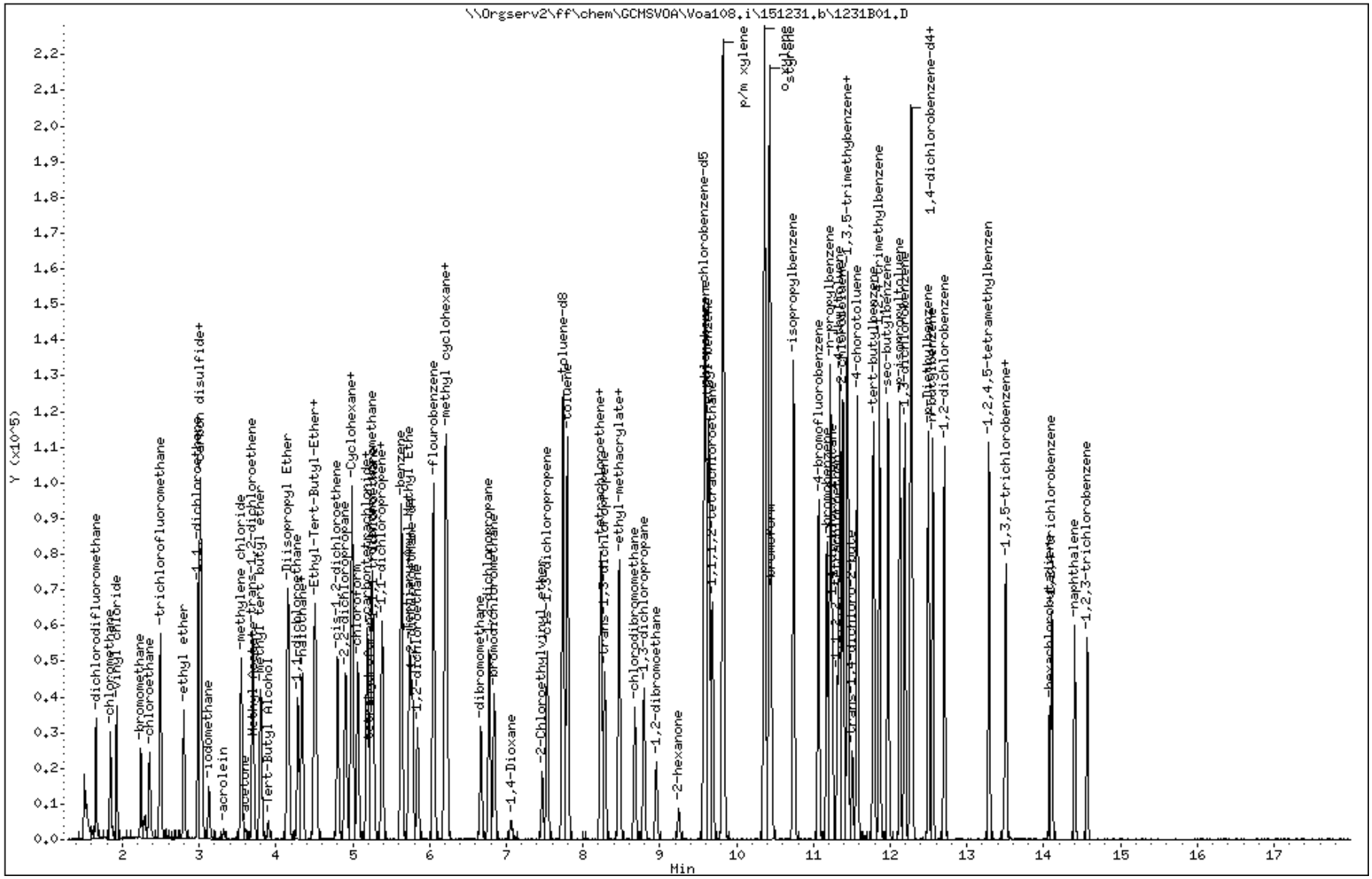
SPIKE	COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
1	dichlorodifluorome	100.000	112.613	112.61	36-147
2	chloromethane	100.000	125.110	125.11	64-130
3	vinyl chloride	100.000	97.510	97.51	55-140
4	bromomethane	100.000	80.564	80.56	39-139
5	chloroethane	100.000	78.802	78.80	55-138
6	trichlorofluoromet	100.000	76.192	76.19	62-150
9	1,1,-dichloroethen	100.000	73.729	73.73	61-145
10	carbon disulfide	100.000	66.871	66.87	51-121
11	freon-113	100.000	73.746	73.75	70-130
15	methylene chloride	100.000	102.351	102.35	74-121
16	acetone	100.000	74.957	74.96	58-148
17	trans-1,2-dichloro	100.000	103.986	103.99	75-125
18	Methyl Acetate	100.000	114.558	114.56	70-130
19	methyl tert butyl	100.000	89.482	89.48	63-112
22	1,1-dichloroethane	100.000	104.065	104.07	73-119
26	vinyl acetate	100.000	100.797	100.80	83-124
27	cis-1,2-dichloroet	100.000	95.403	95.40	75-125
29	bromochloromethane	100.000	105.006	105.01	74-123
30	Cyclohexane	100.000	101.882	101.88	70-130
31	chloroform	100.000	99.029	99.03	75-125
33	carbontetrachlorid	100.000	104.209	104.21	63-132
37	1,1,1-trichloroeth	100.000	104.025	104.03	67-123
38	2-butanone	100.000	93.729	93.73	63-138
40	benzene	100.000	98.362	98.36	76-127
43	1,2-dichloroethane	100.000	98.836	98.84	71-125
48	trichloroethene	100.000	98.115	98.12	71-120
47	methyl cyclohexane	100.000	89.911	89.91	70-130
52	1,2-dichloropropan	100.000	99.917	99.92	70-120
53	bromodichlorometha	100.000	93.865	93.87	67-121
57	cis-1,3-dichloropr	100.000	93.962	93.96	75-125
59	toluene	100.000	101.312	101.31	76-125
60	4-methyl-2-pentano	100.000	79.914	79.91	59-126
61	tetrachloroethene	100.000	100.703	100.70	70-130
62	trans-1,3-dichloro	100.000	98.963	98.96	75-125
66	1,1,2-trichloroeth	100.000	98.296	98.30	70-125
67	chlorodibromometha	100.000	103.212	103.21	63-119
70	1,2-dibromoethane	100.000	102.496	102.50	70-119
71	2-hexanone	100.000	88.328	88.33	57-128
73	chlorobenzene	100.000	99.580	99.58	75-130
74	ethyl benzene	100.000	93.145	93.15	79-118

SPIKE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
76 p/m xylene	200.000	182.785	91.39	75-125
77 o xylene	200.000	171.862	85.93	75-125
78 styrene	200.000	175.253	87.63	70-122
79 bromoform	100.000	86.034	86.03	54-136
80 isopropylbenzene	100.000	93.924	93.92	73-122
85 1,1,2,2,-tetrachlo	100.000	106.691	106.69	67-124
97 1,3-dichlorobenzen	100.000	95.727	95.73	75-125
99 1,4-dichlorobenzen	100.000	95.802	95.80	75-125
102 1,2-dichlorobenzen	100.000	98.475	98.48	75-125
104 1,2-dibromo-3-chlo	100.000	95.011	95.01	41-144
107 1,2,4-trichloroben	100.000	87.664	87.66	75-125
109 1,2,3-trichloroben	100.000	91.045	91.05	75-125

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 36 dibromofluorometha	100.000	105.937	105.94	70-130
$ 42 1,2-dichloroethane	100.000	94.886	94.89	70-130
$ 58 toluene-d8	100.000	103.424	103.42	70-130
$ 81 4-bromofluorobenze	100.000	94.648	94.65	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D
Date : 31-DEC-2015 09:40
Client ID:
Sample Info: wg853951-8,31,10
Purge Volume: 10.0
Column phase:

Instrument: Voa108.i
Operator: PD
Column diameter: 0.18



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Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

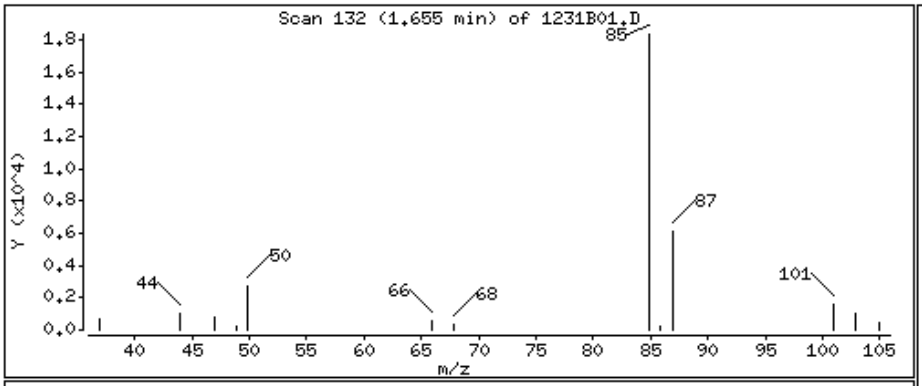
Operator: PD

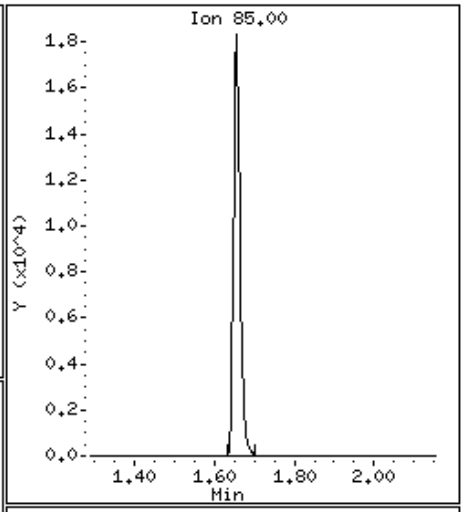
Column phase:

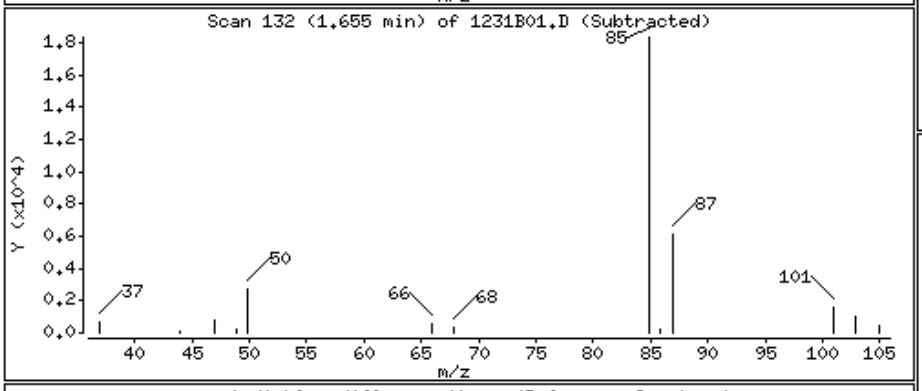
Column diameter: 0.18

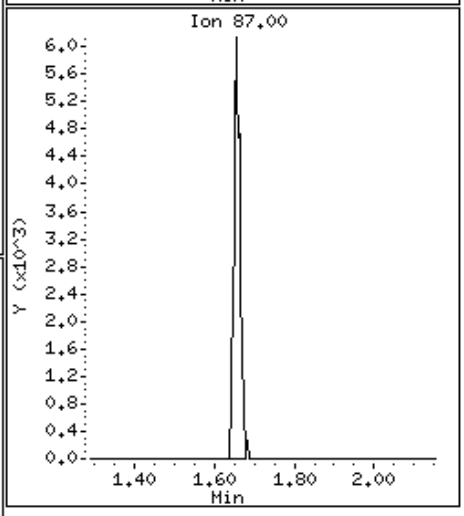
1 dichlorodifluoromethane

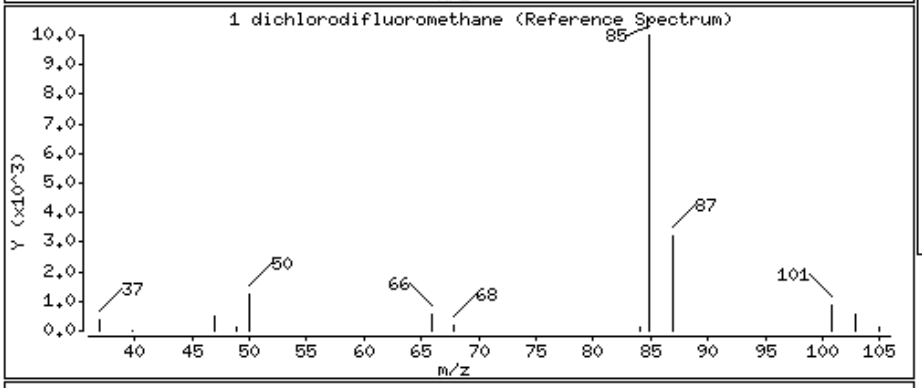
Concentration: 112.613 ngs

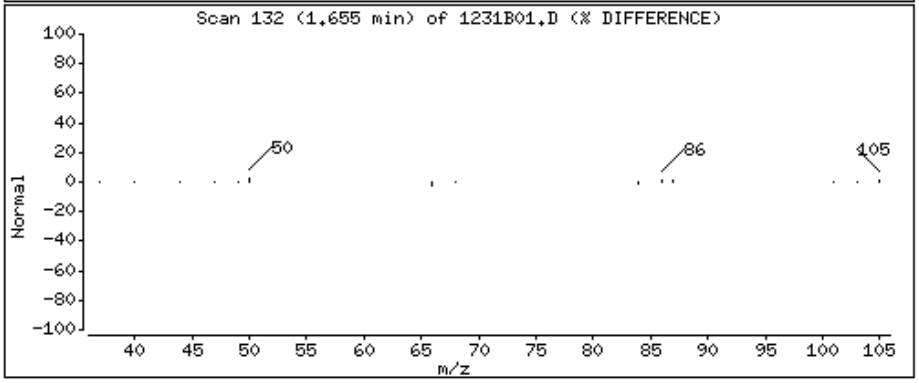












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Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

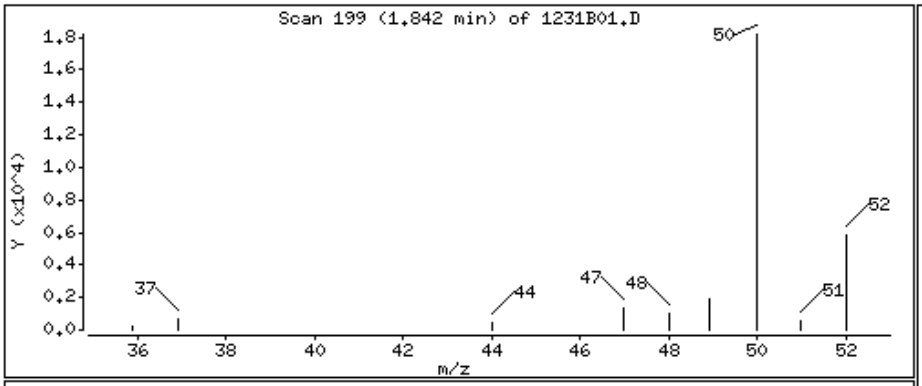
Operator: PD

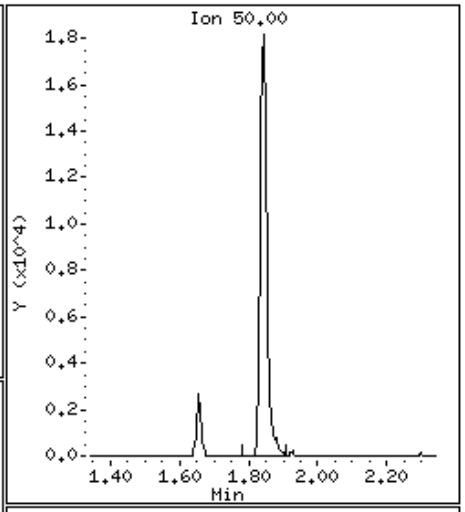
Column phase:

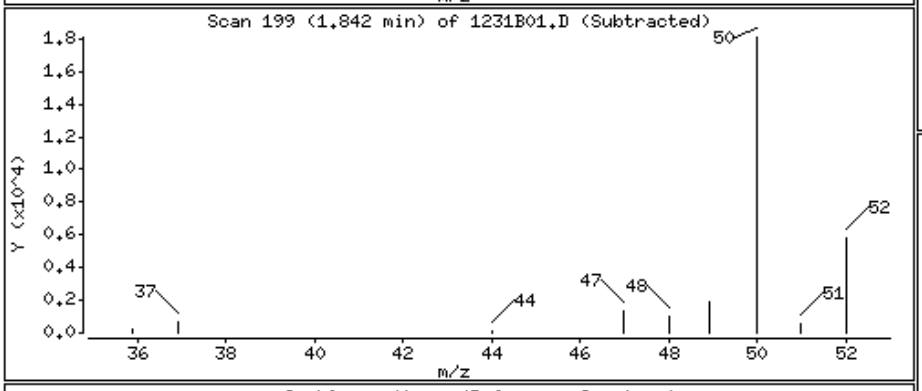
Column diameter: 0.18

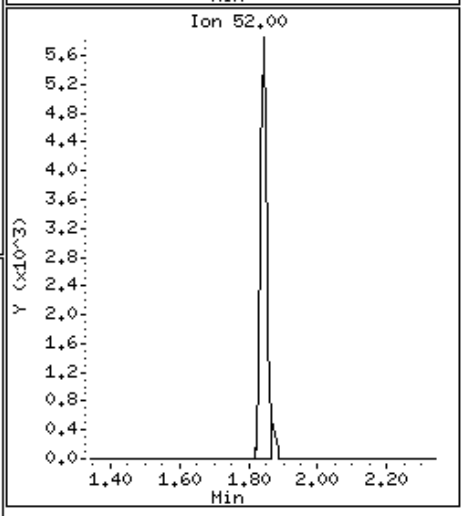
2 chloromethane

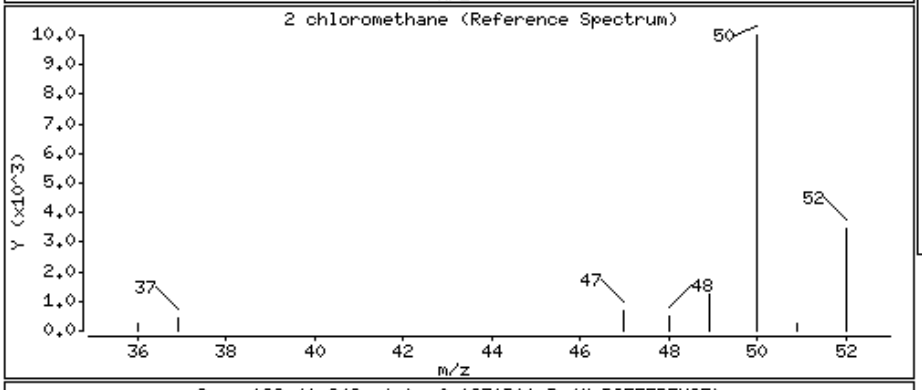
Concentration: 125.110 ngs

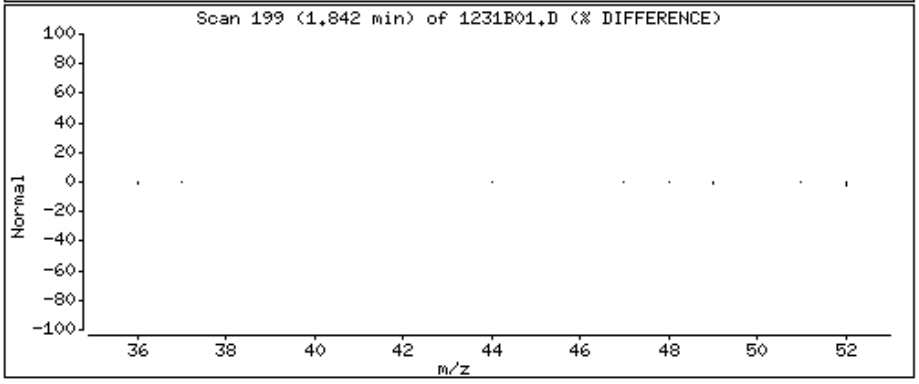












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Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

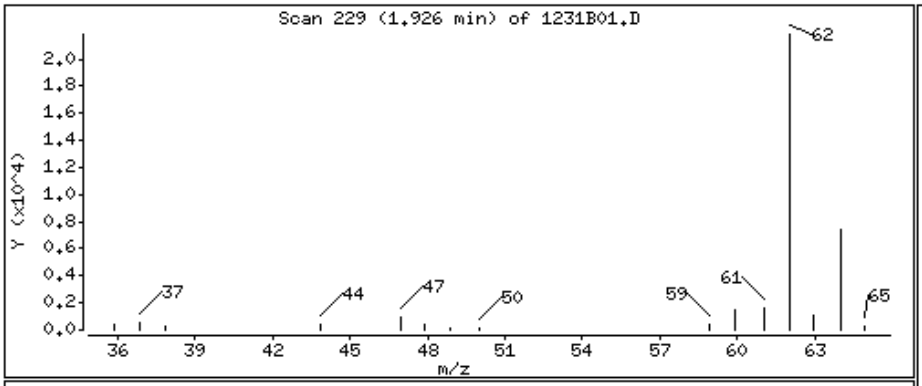
Operator: PD

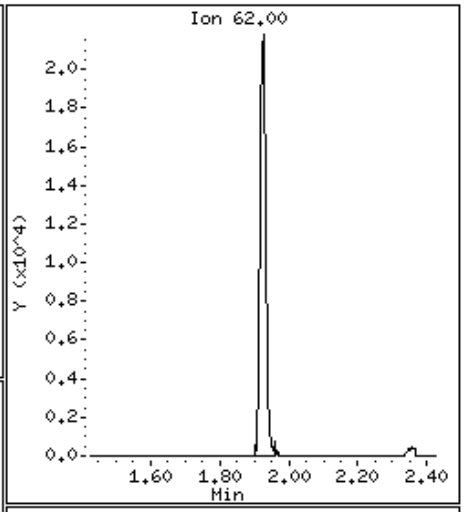
Column phase:

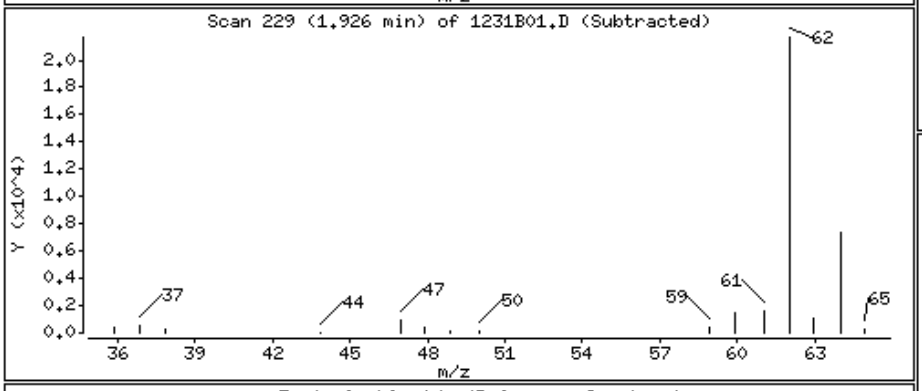
Column diameter: 0.18

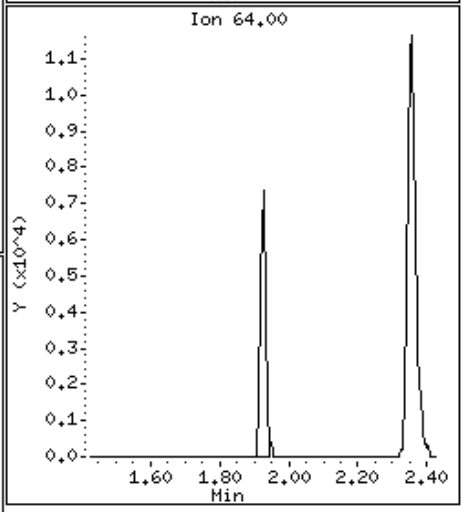
3 vinyl chloride

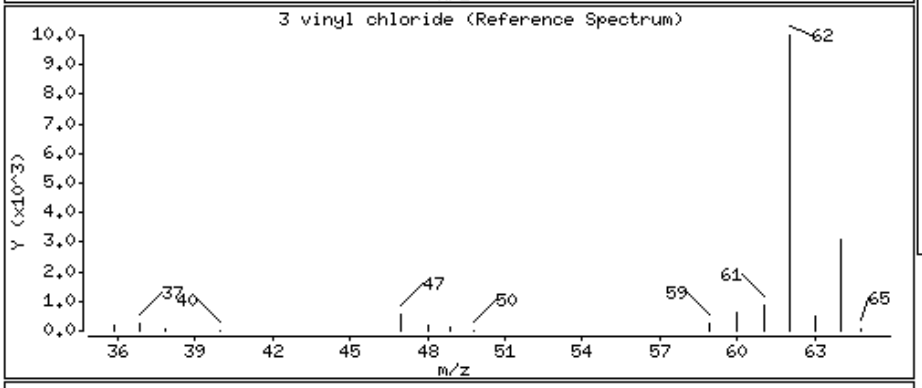
Concentration: 97.510 ngs

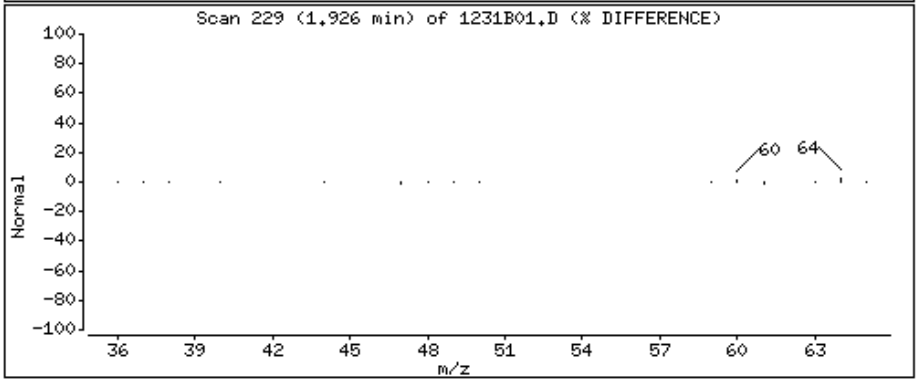












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

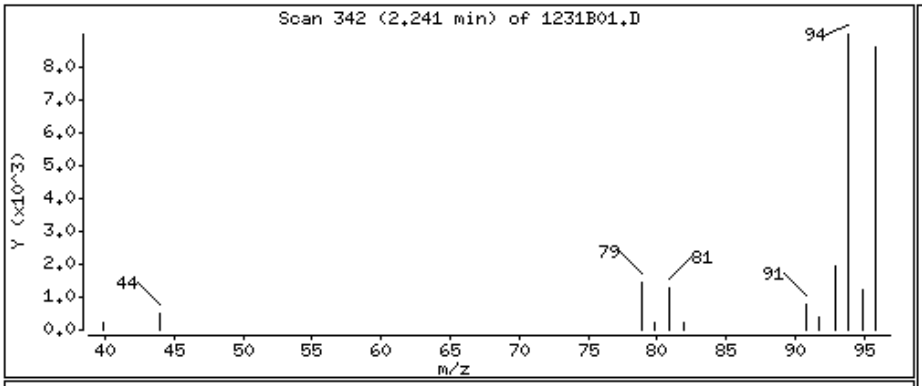
Operator: PD

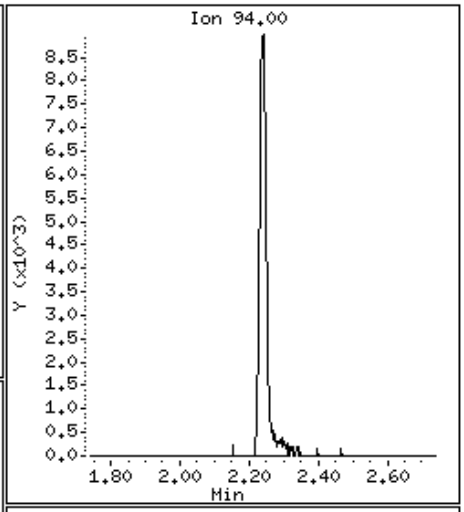
Column phase:

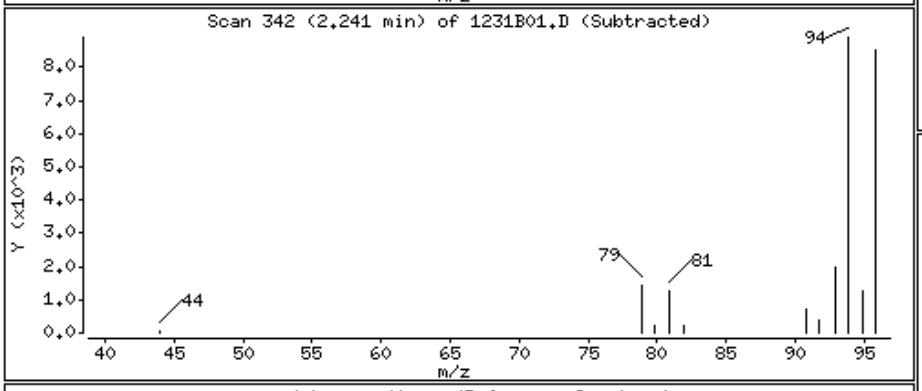
Column diameter: 0.18

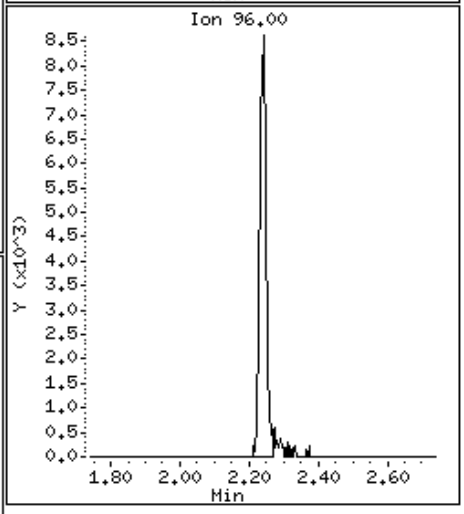
4 bromomethane

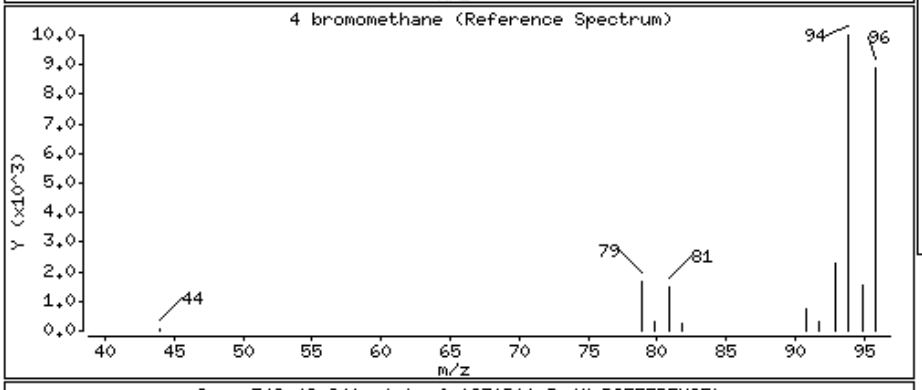
Concentration: 80.564 ngs

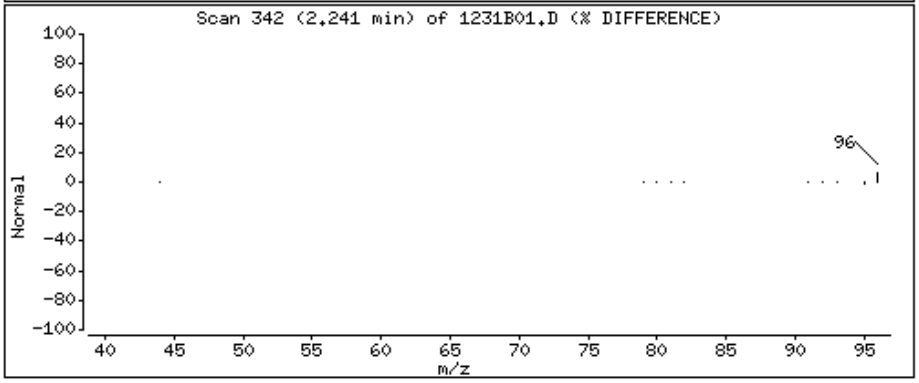












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

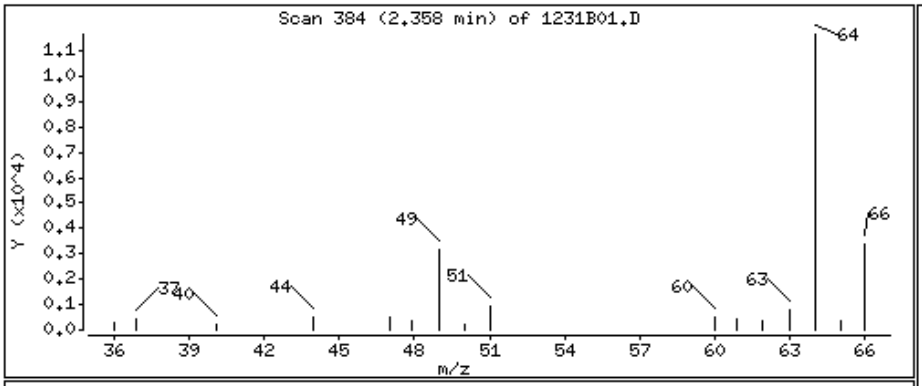
Operator: PD

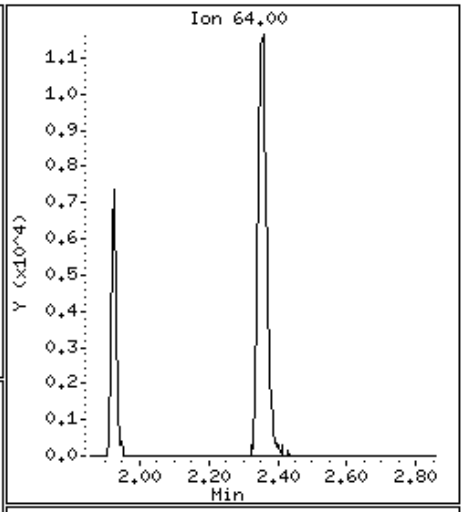
Column phase:

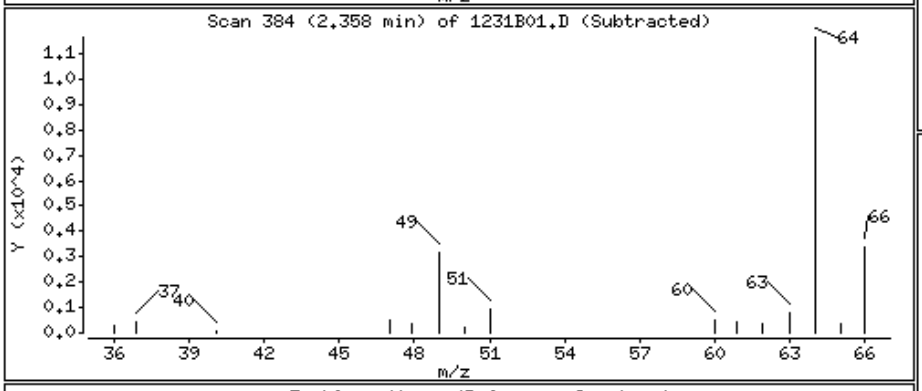
Column diameter: 0.18

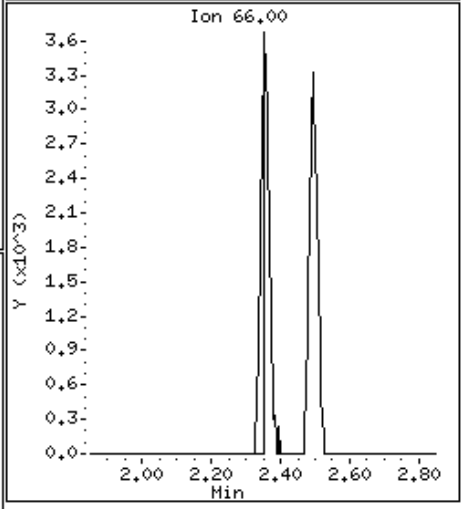
5 chloroethane

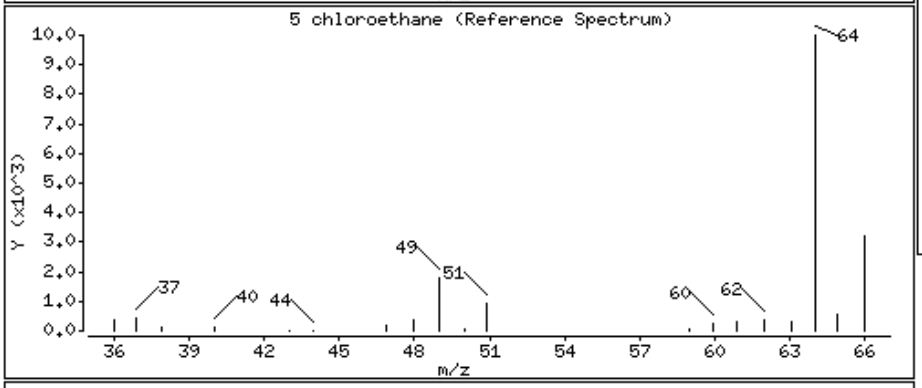
Concentration: 78.802 ngs

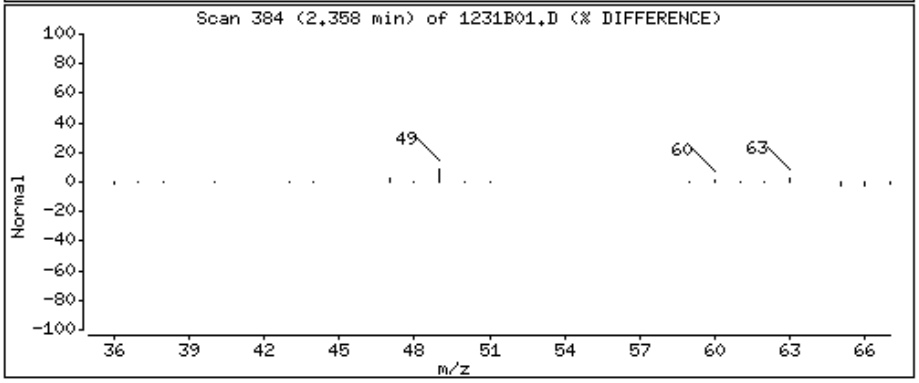












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

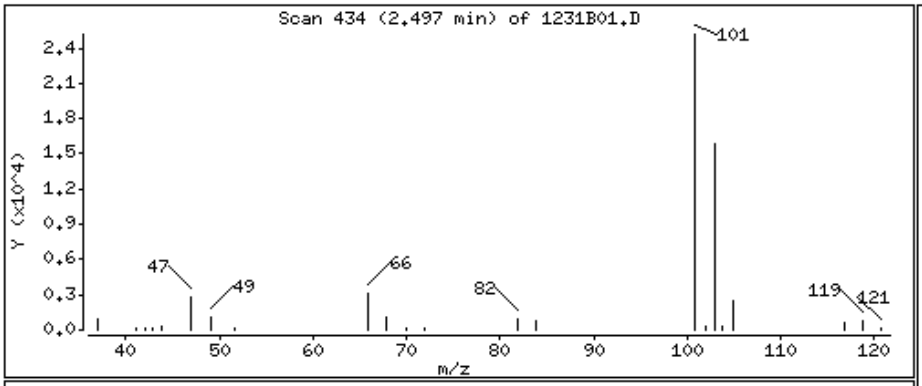
Operator: PD

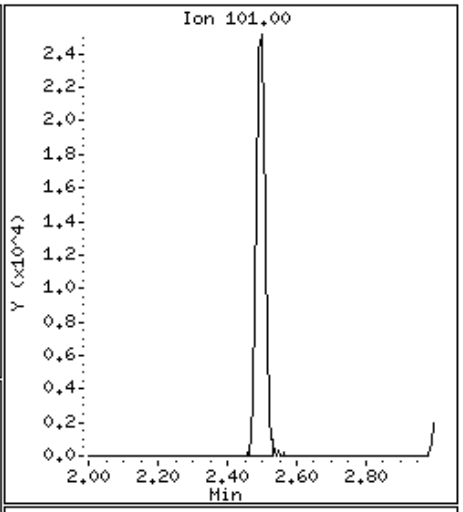
Column phase:

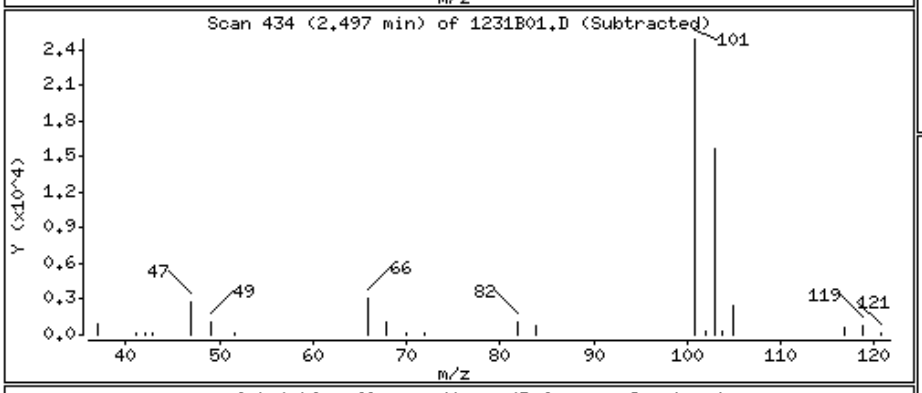
Column diameter: 0.18

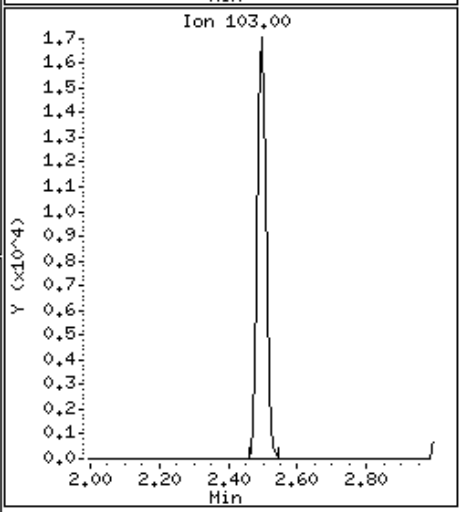
6 trichlorofluoromethane

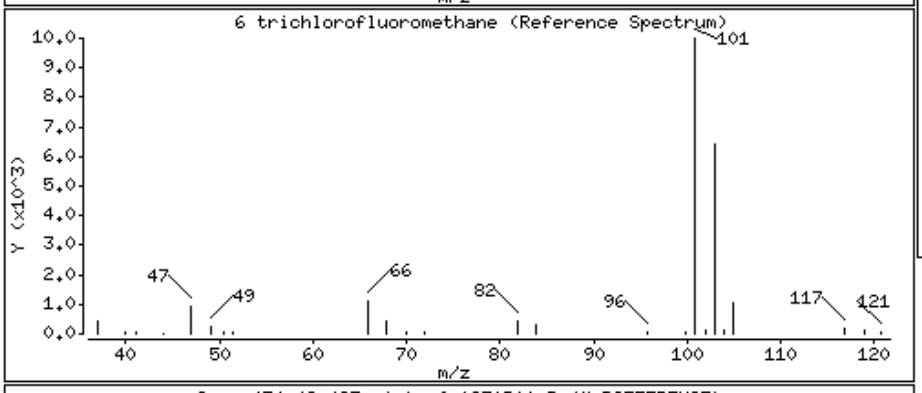
Concentration: 76.192 ngs

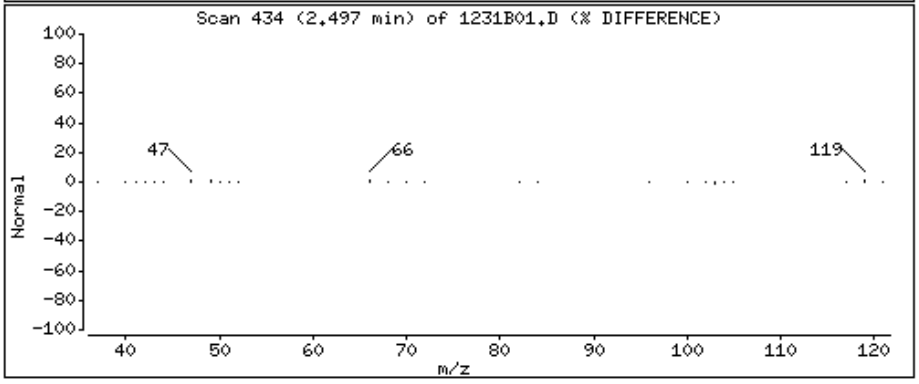












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

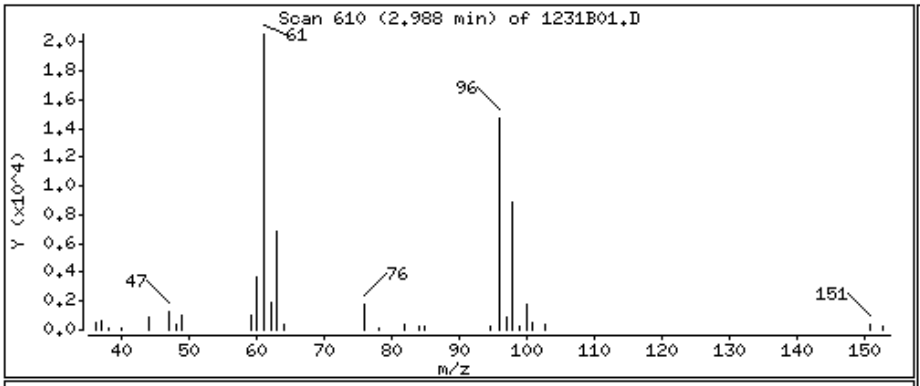
Operator: PD

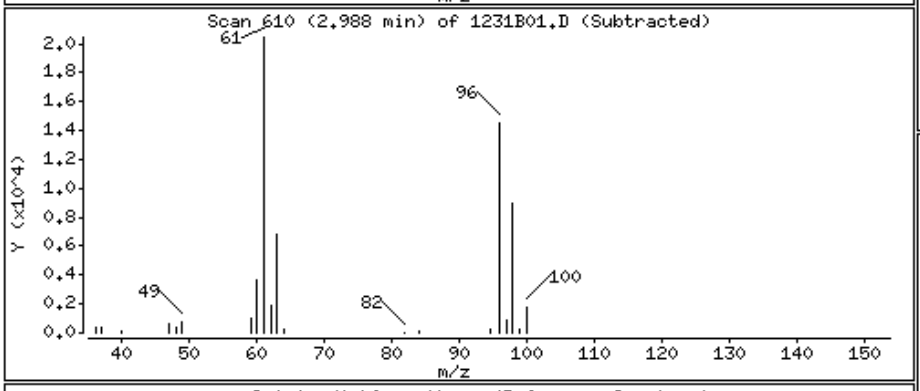
Column phase:

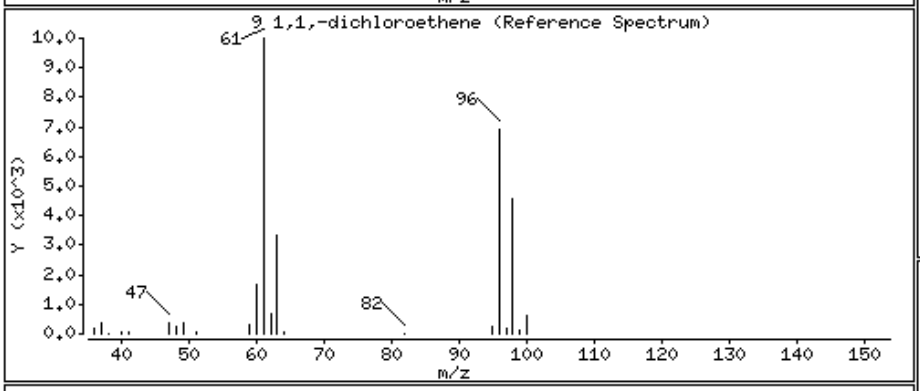
Column diameter: 0.18

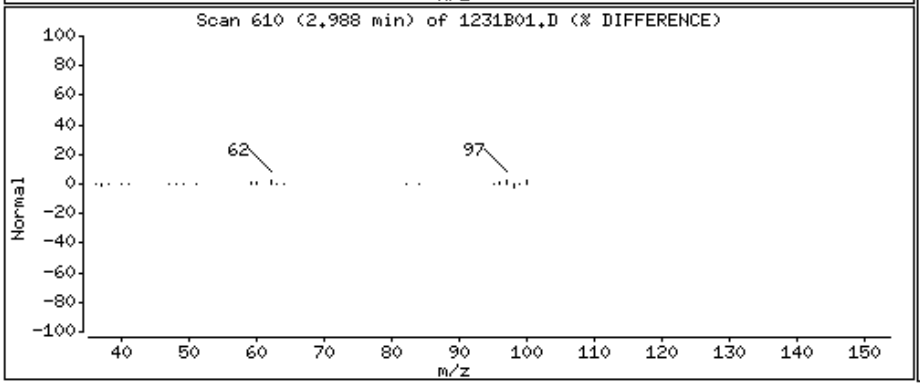
9 1,1,-dichloroethene

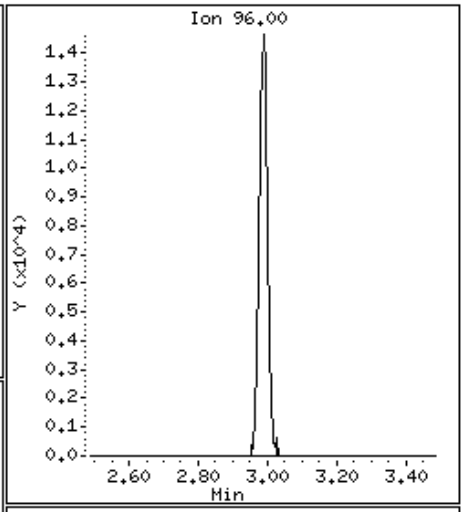
Concentration: 73.729 ngs

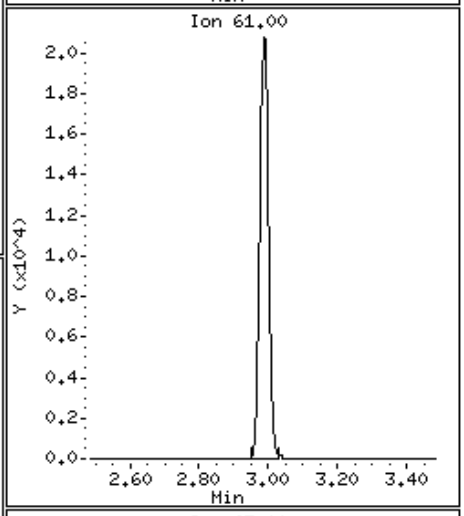


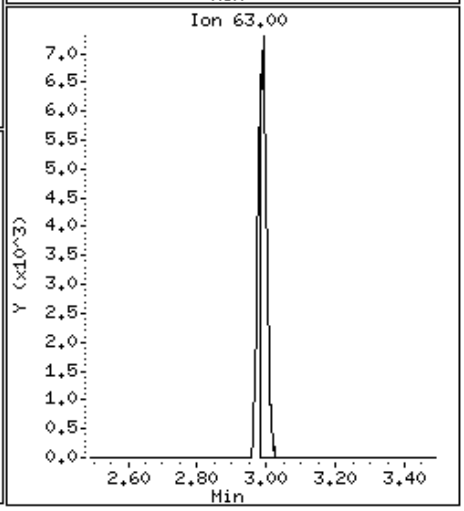












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

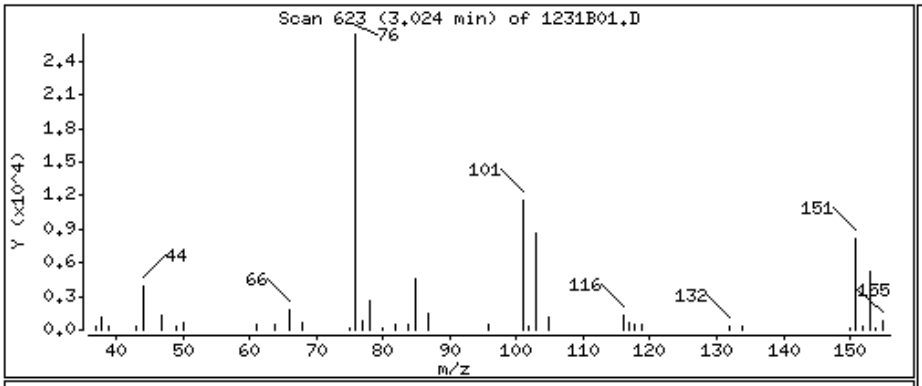
Operator: PD

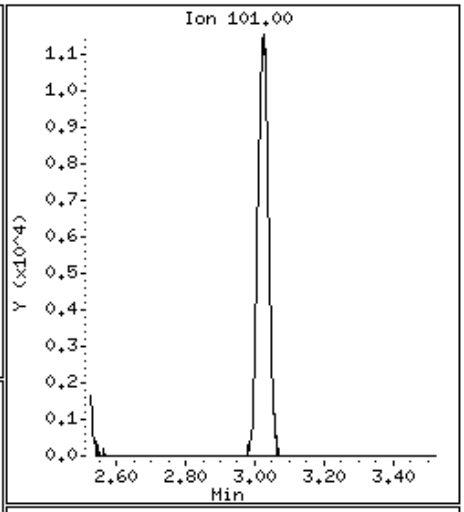
Column phase:

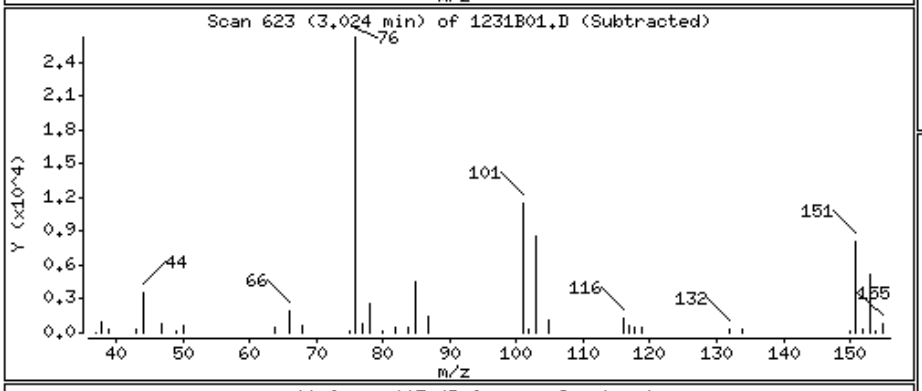
Column diameter: 0.18

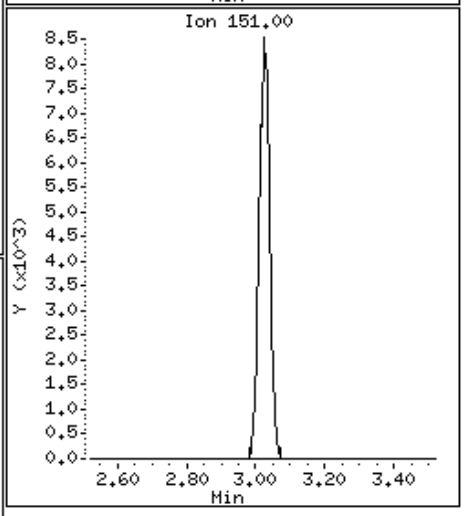
11 freon-113

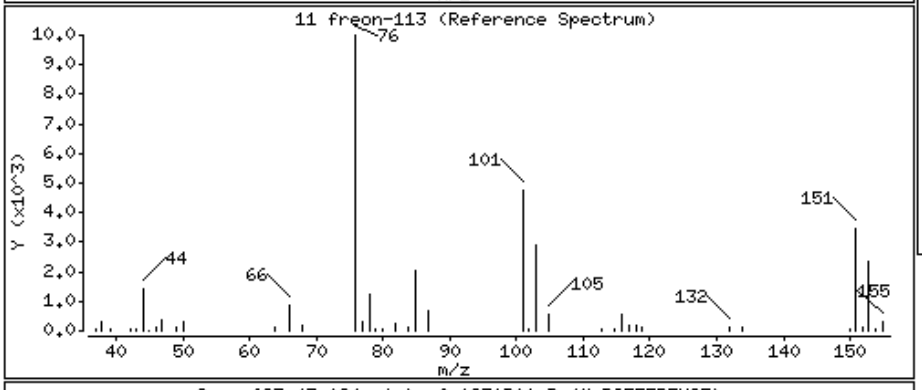
Concentration: 73.746 ngs

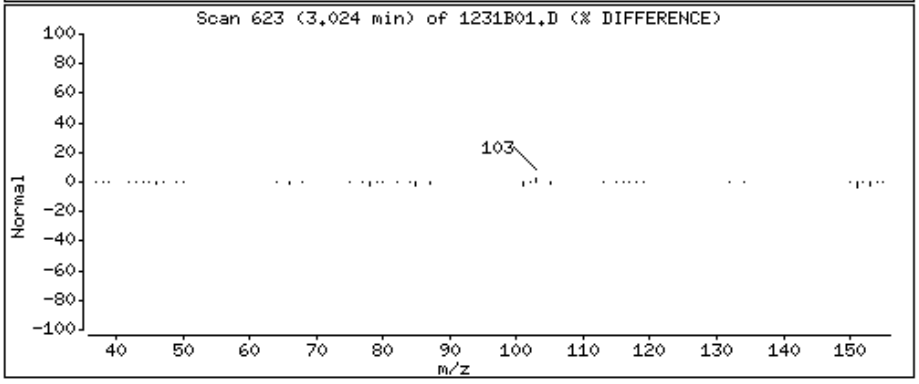












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

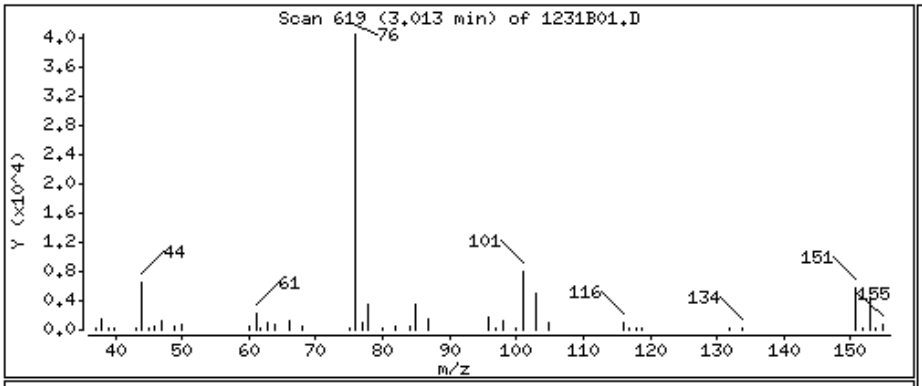
Operator: PD

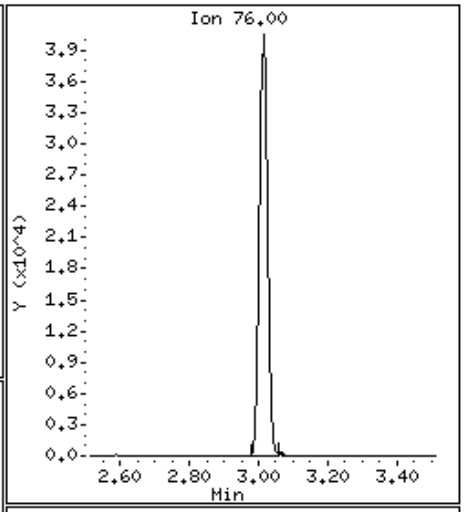
Column phase:

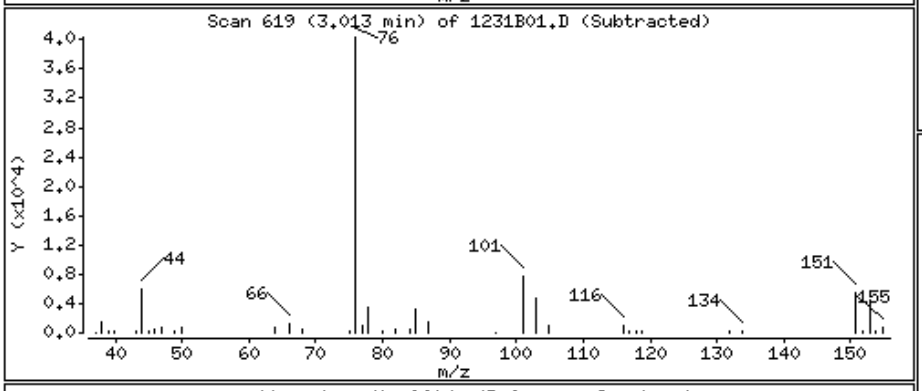
Column diameter: 0.18

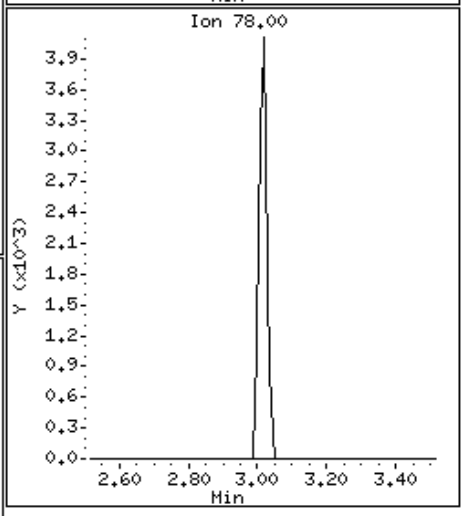
10 carbon disulfide

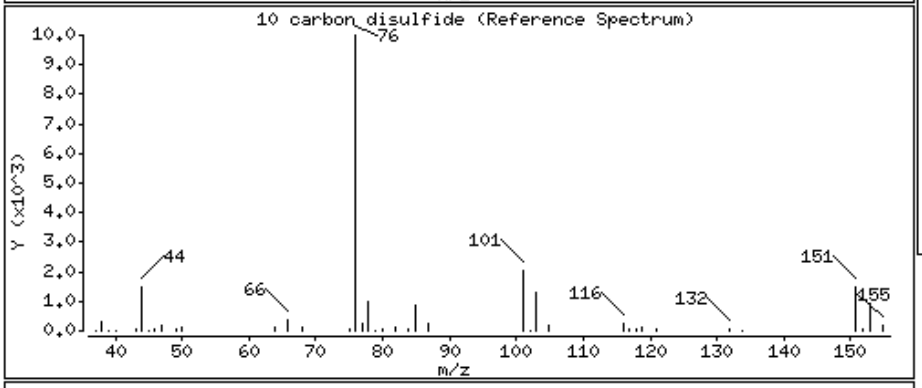
Concentration: 66.871 ngs

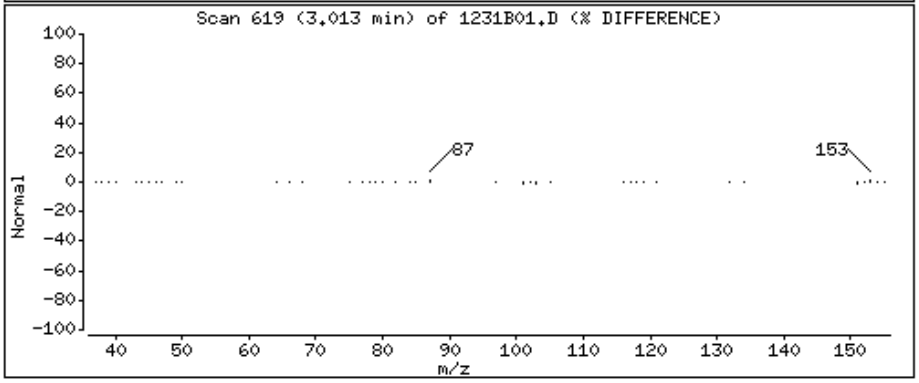












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

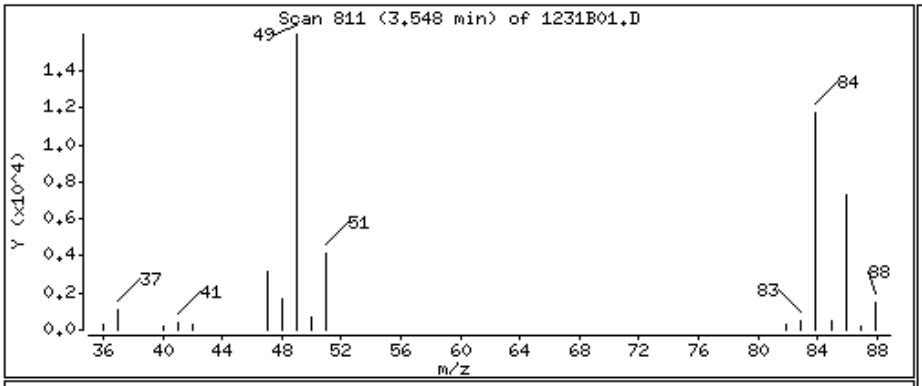
Operator: PD

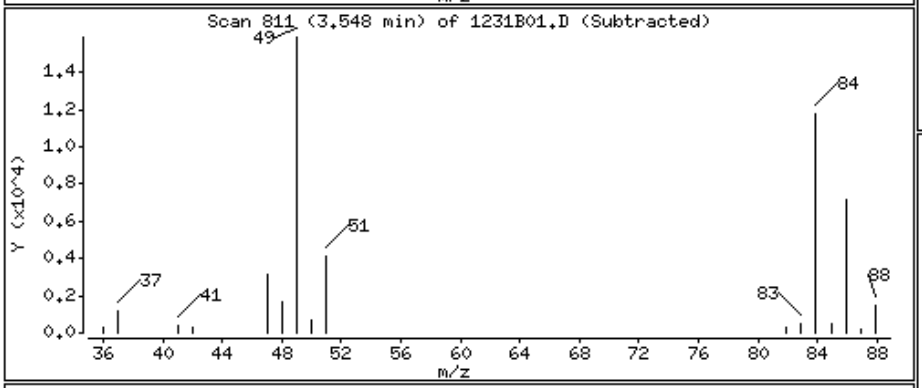
Column phase:

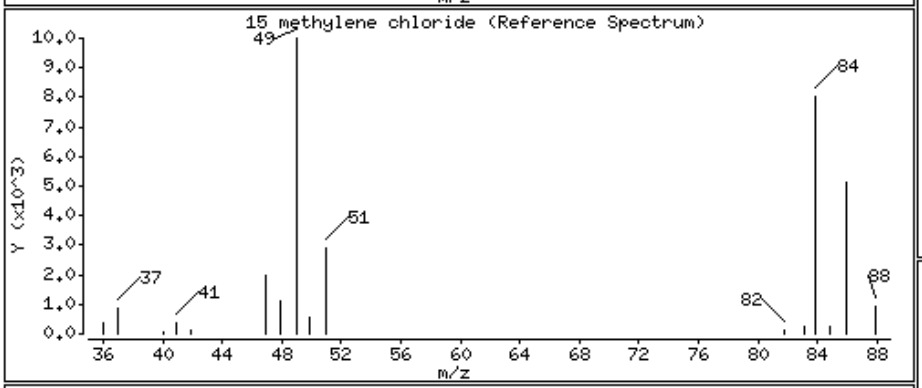
Column diameter: 0.18

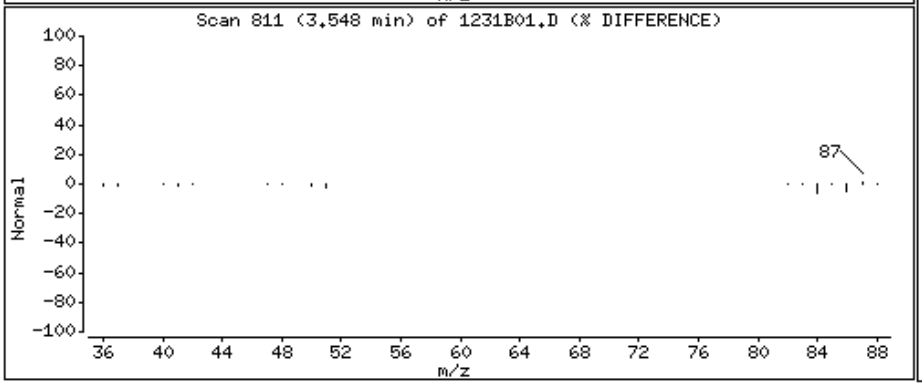
15 methylene chloride

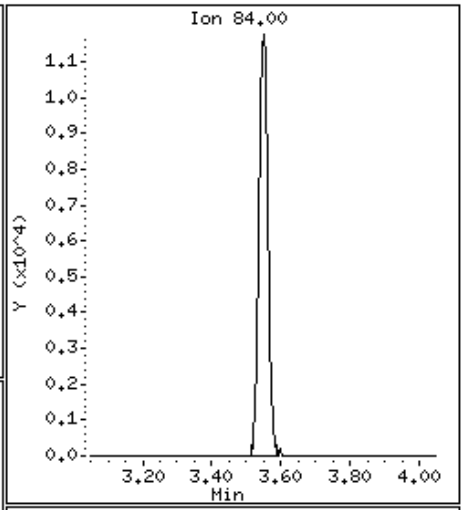
Concentration: 102.351 ngs

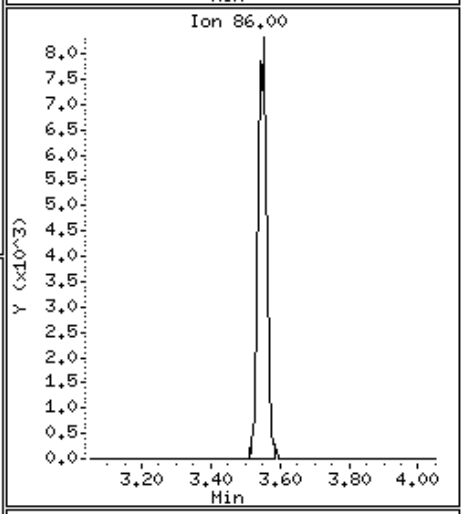


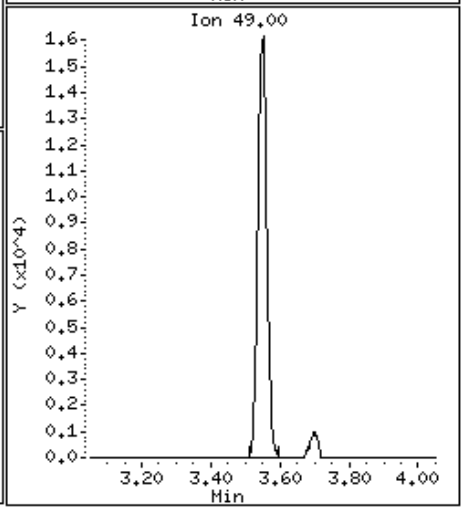












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

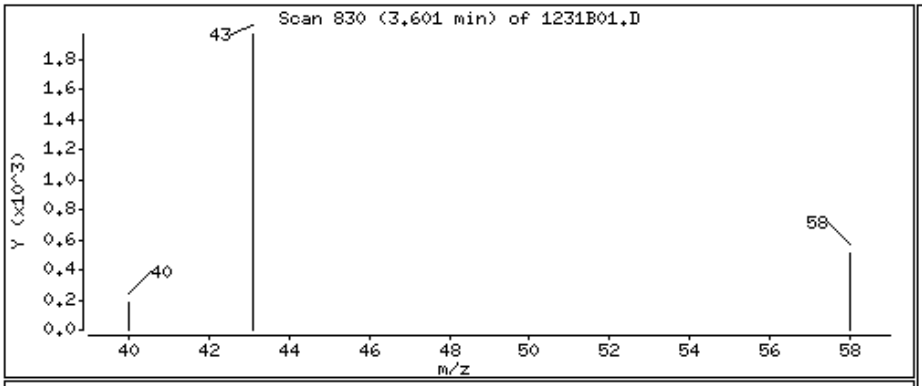
Operator: PD

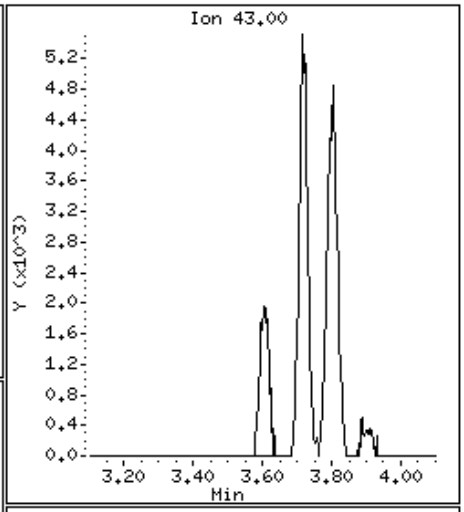
Column phase:

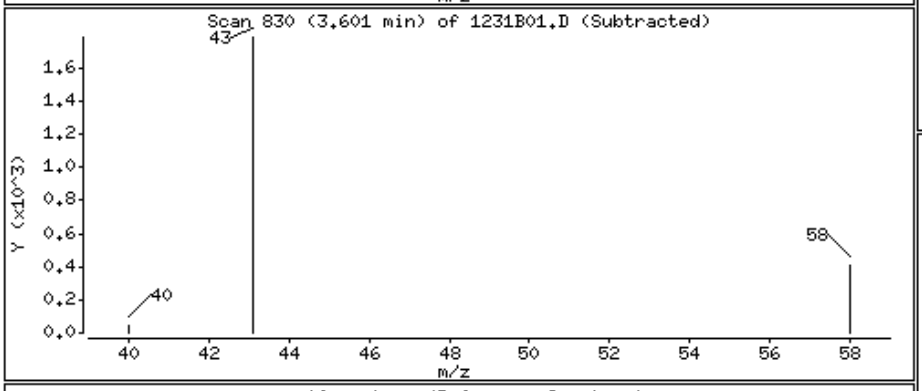
Column diameter: 0.18

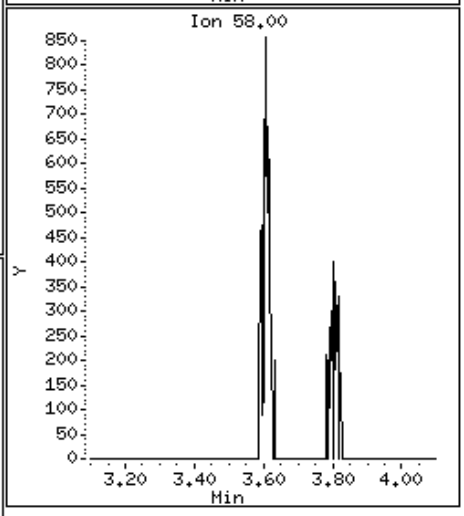
16 acetone

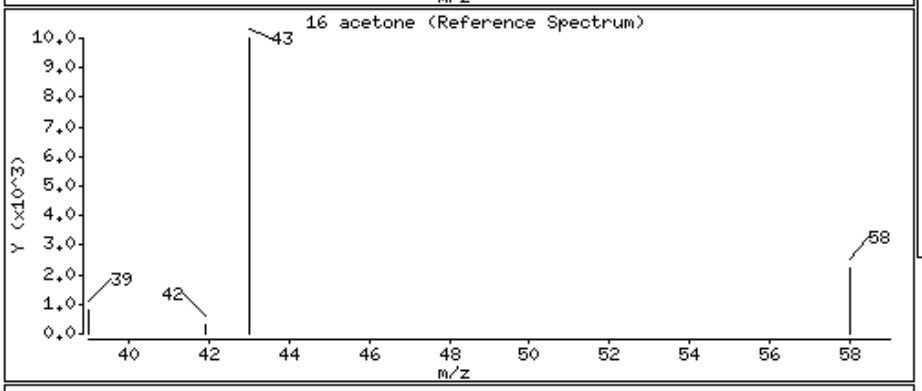
Concentration: 74.957 ngs

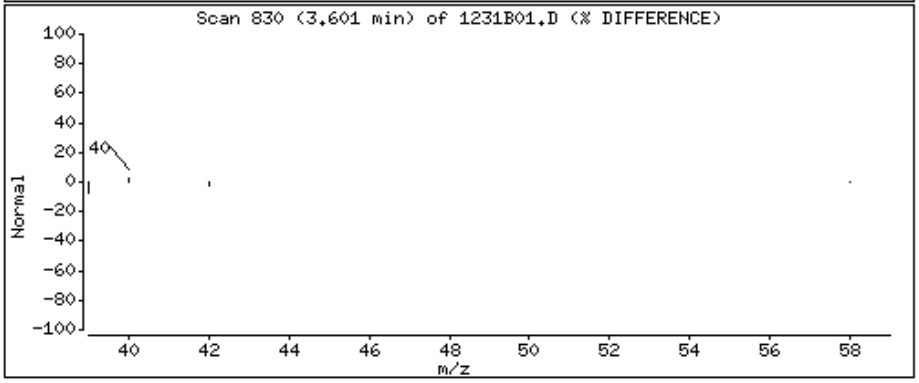












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

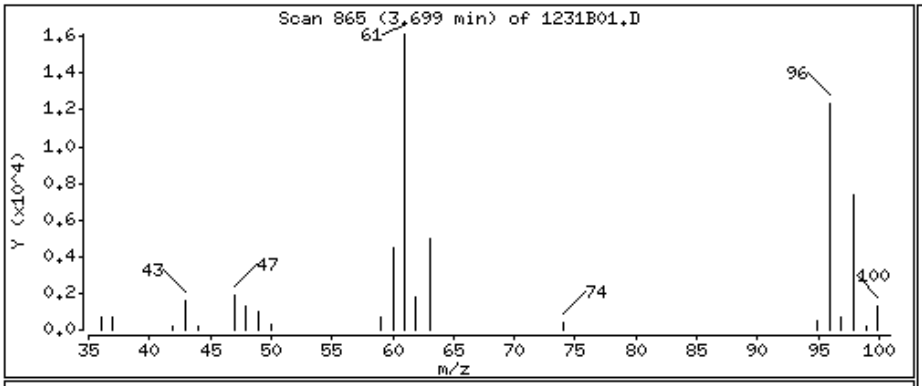
Operator: PD

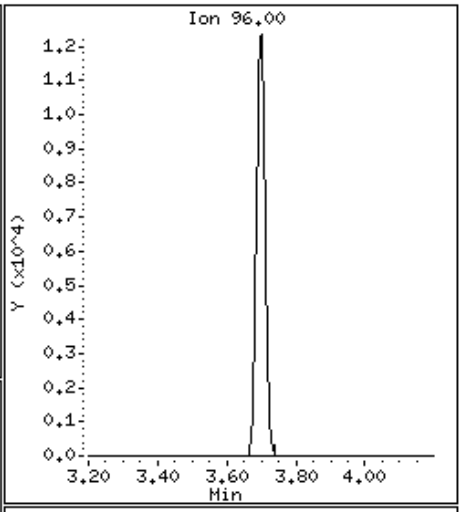
Column phase:

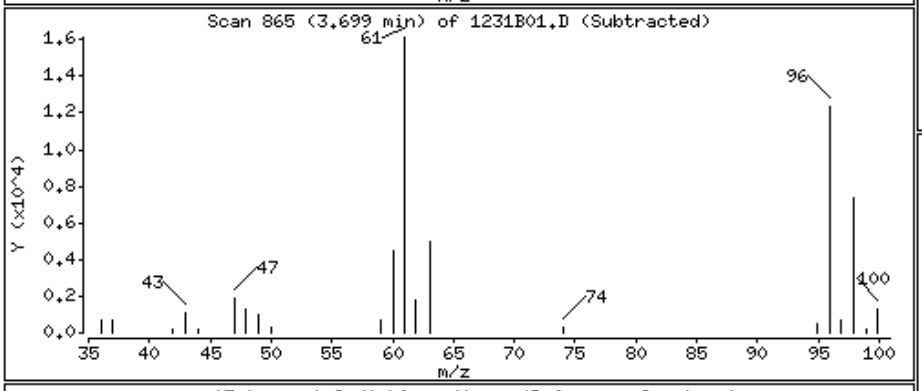
Column diameter: 0.18

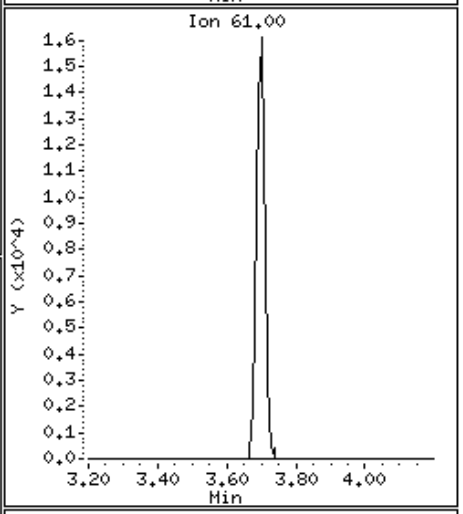
17 trans-1,2-dichloroethene

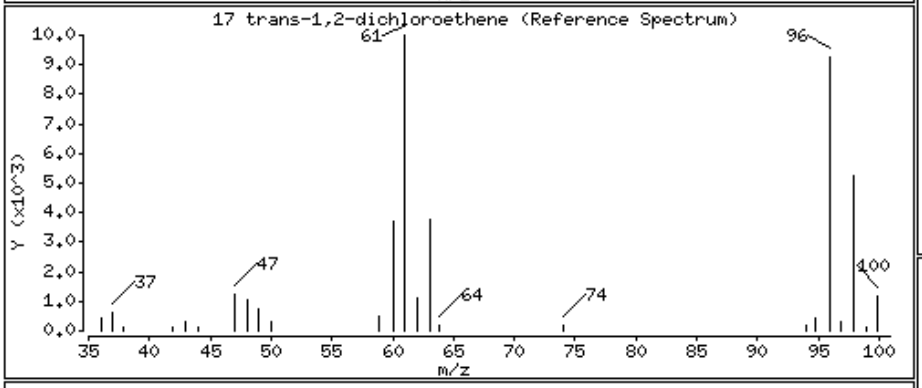
Concentration: 103.986 ngs

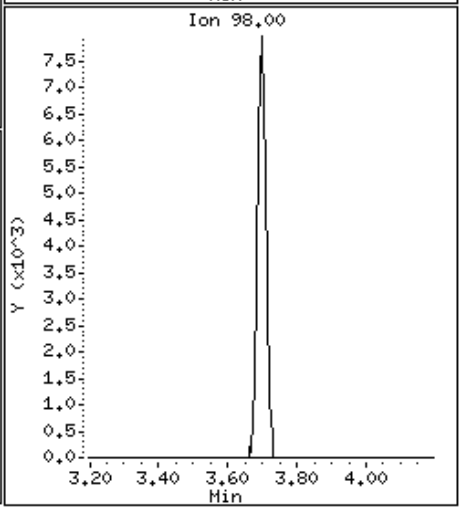


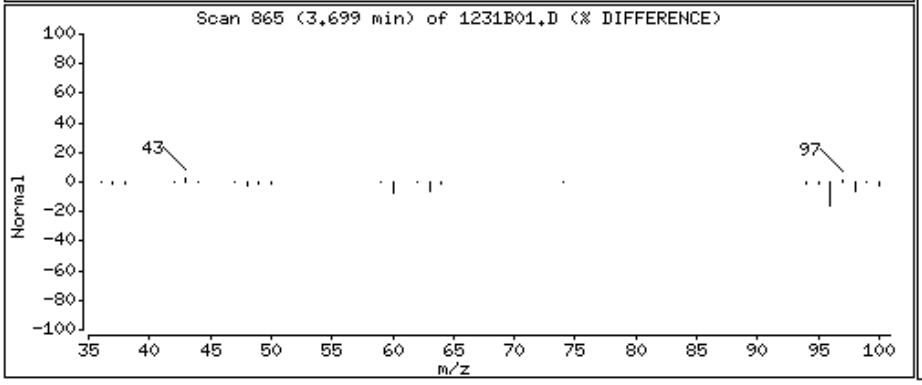












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

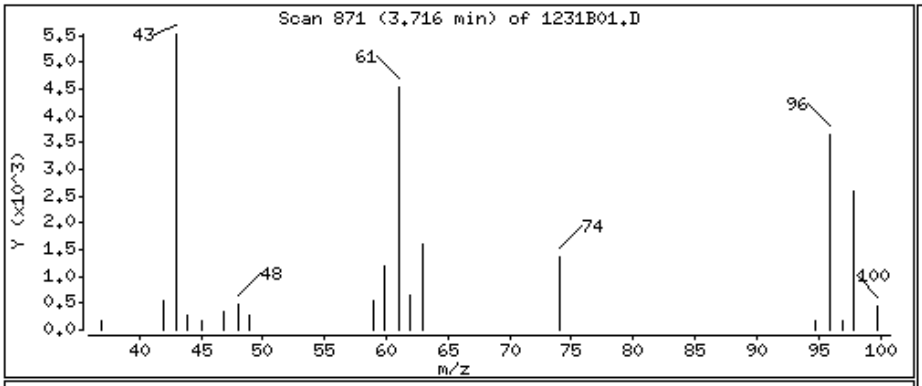
Operator: PD

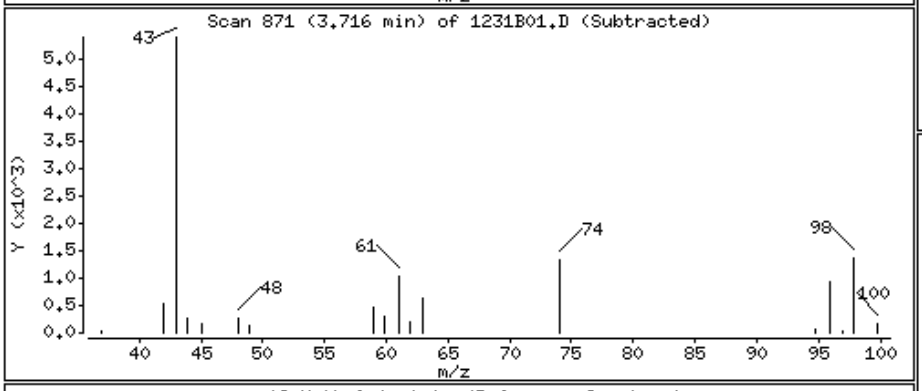
Column phase:

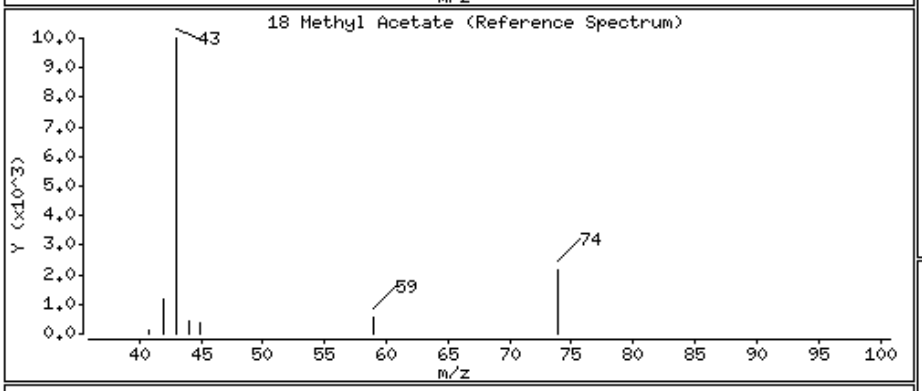
Column diameter: 0.18

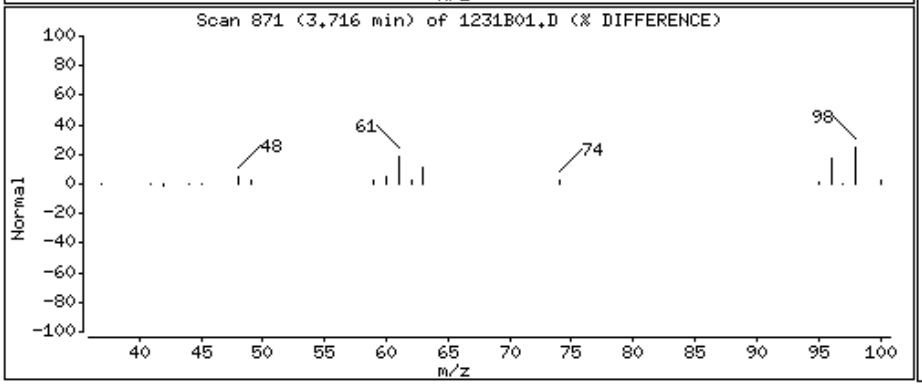
18 Methyl Acetate

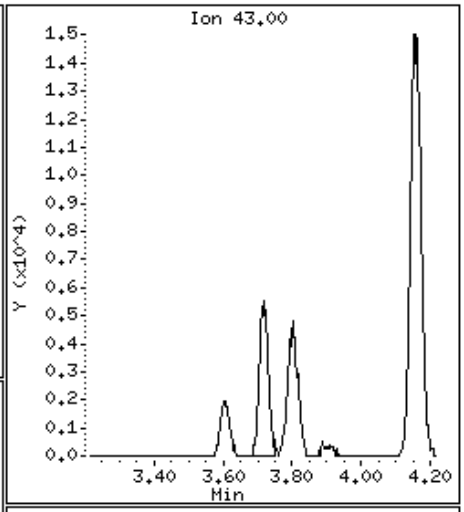
Concentration: 114.558 ngs

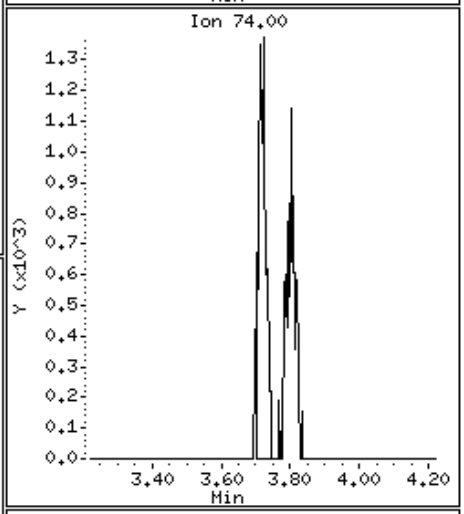


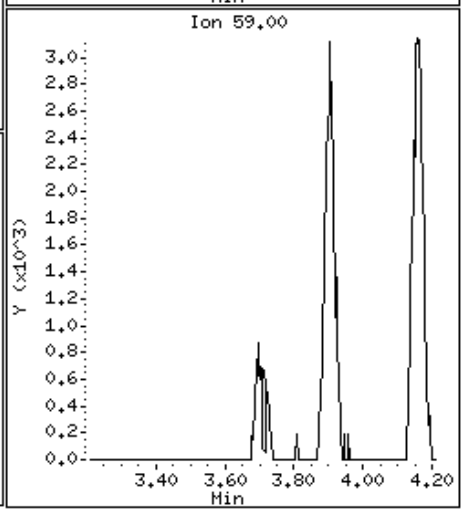












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

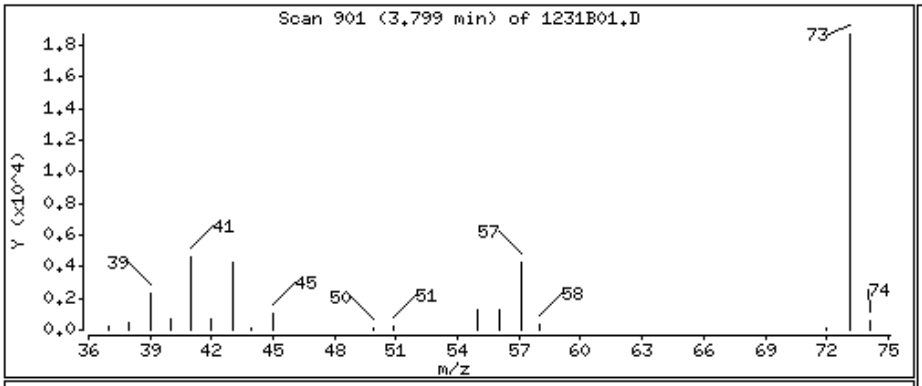
Operator: PD

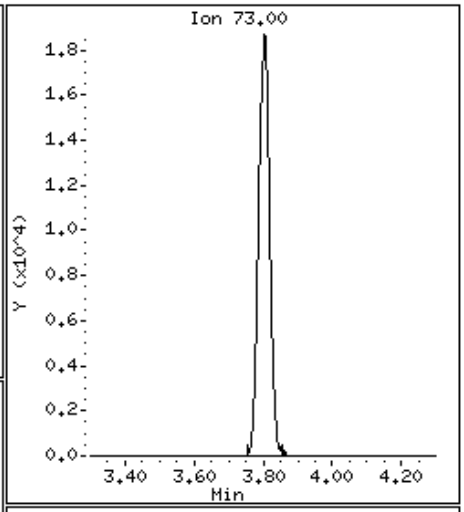
Column phase:

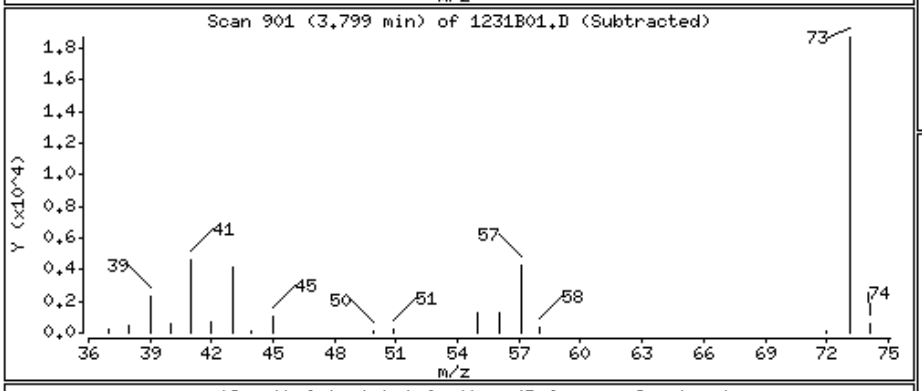
Column diameter: 0.18

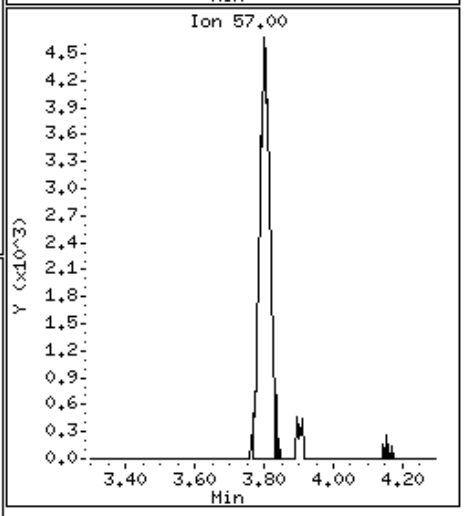
19 methyl tert butyl ether

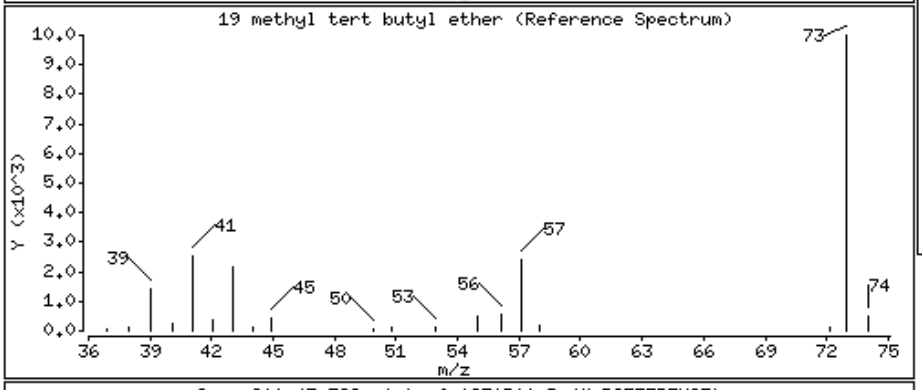
Concentration: 89.482 ngs

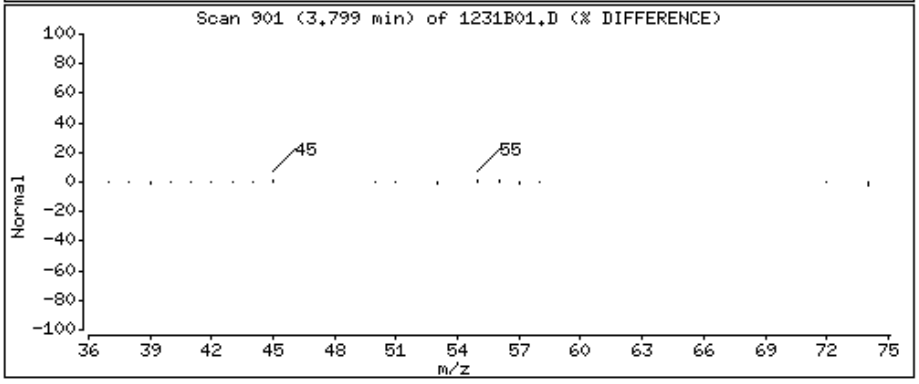












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

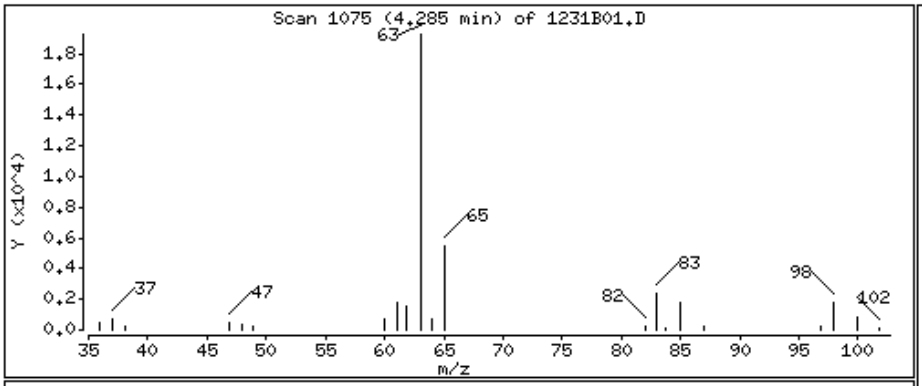
Operator: PD

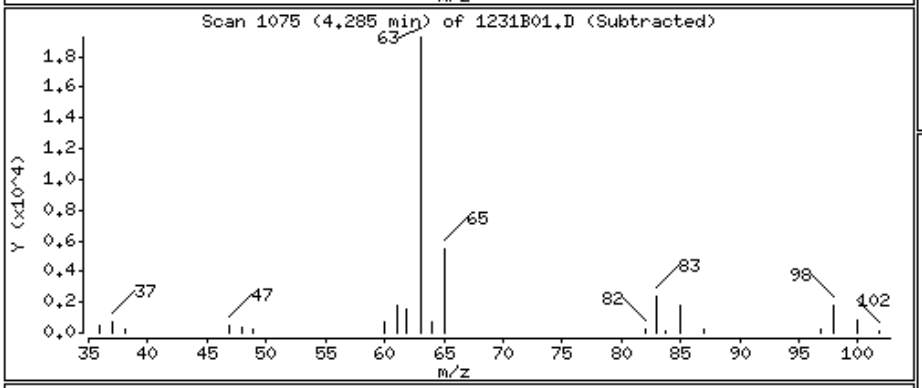
Column phase:

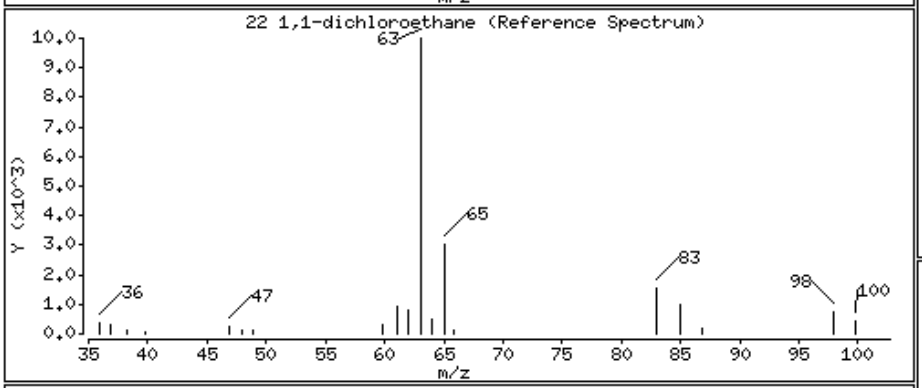
Column diameter: 0.18

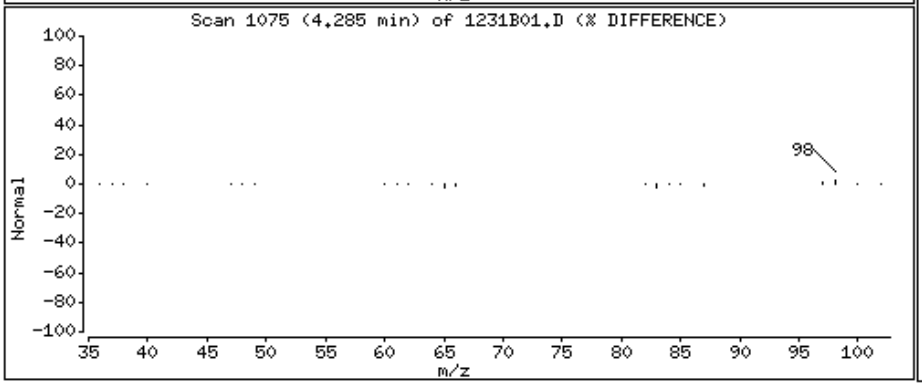
22 1,1-dichloroethane

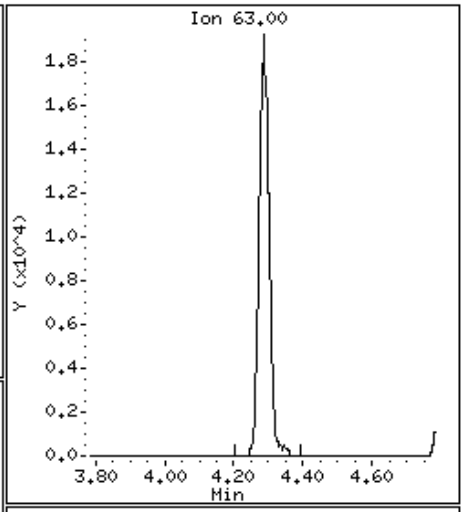
Concentration: 104.065 ngs

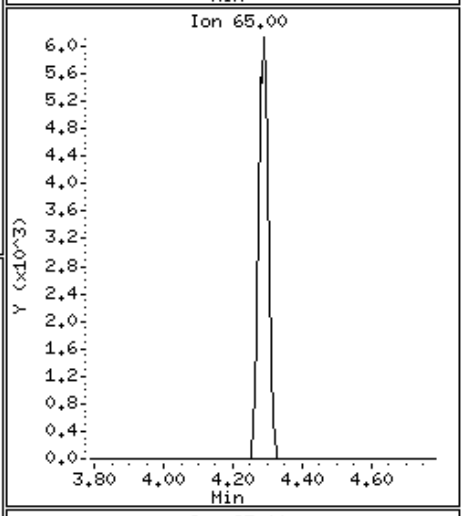


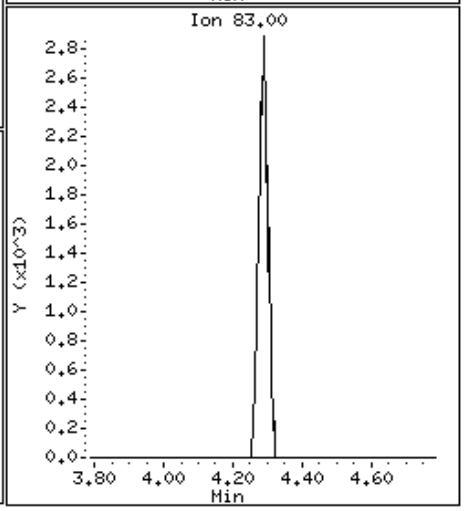












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

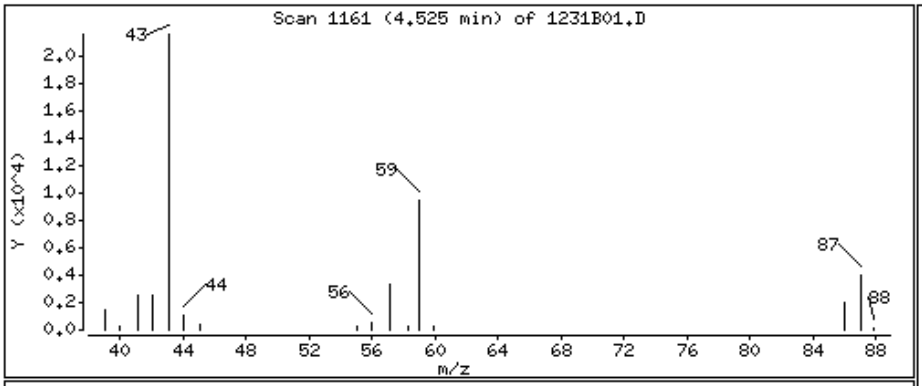
Operator: PD

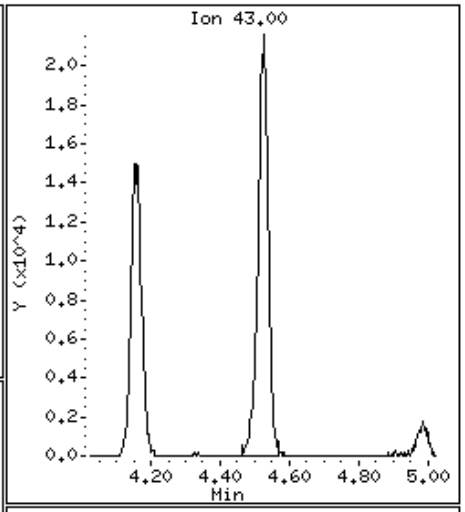
Column phase:

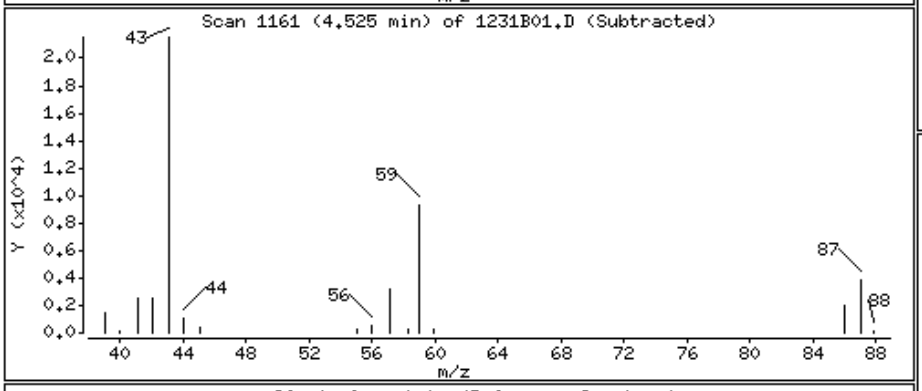
Column diameter: 0.18

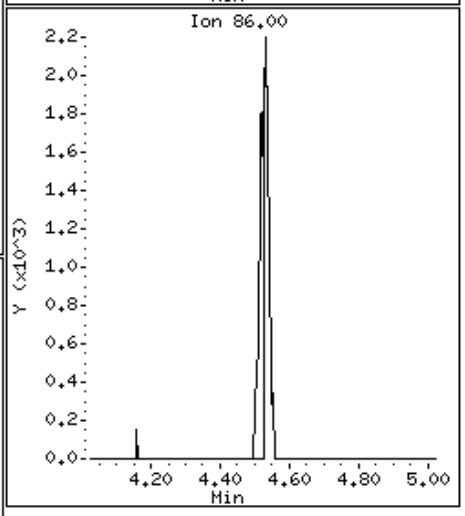
26 vinyl acetate

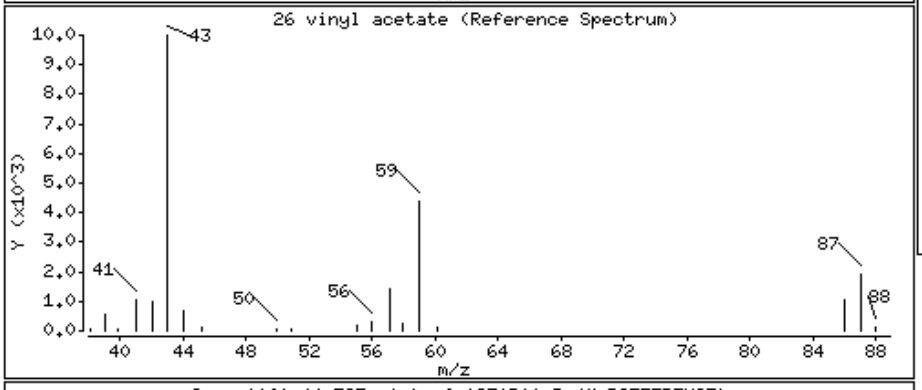
Concentration: 100.797 ngs

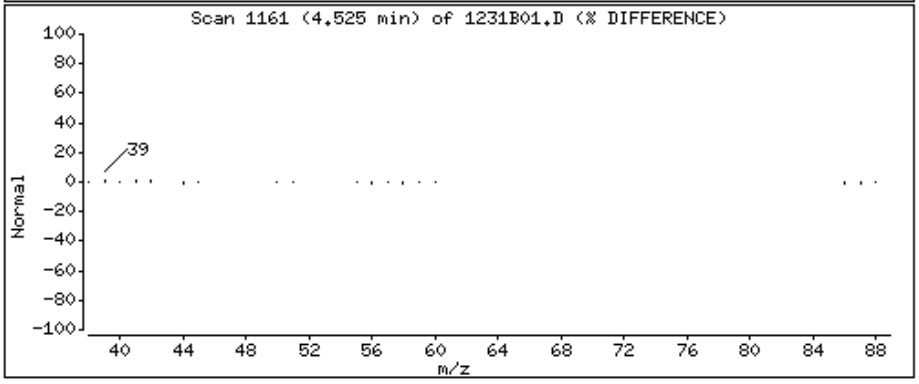












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

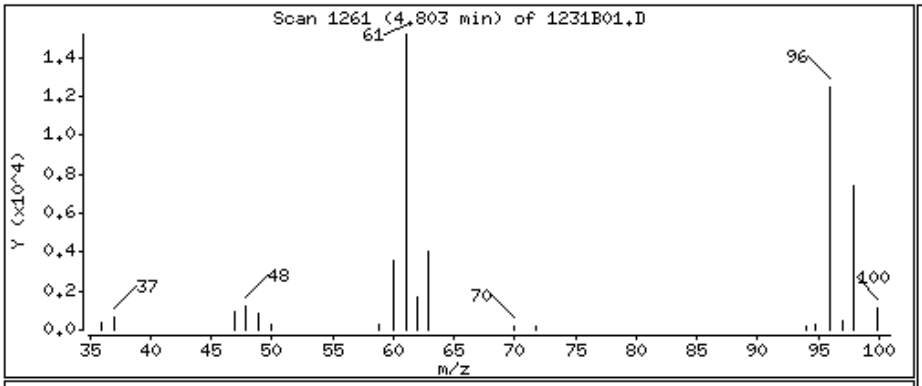
Operator: PD

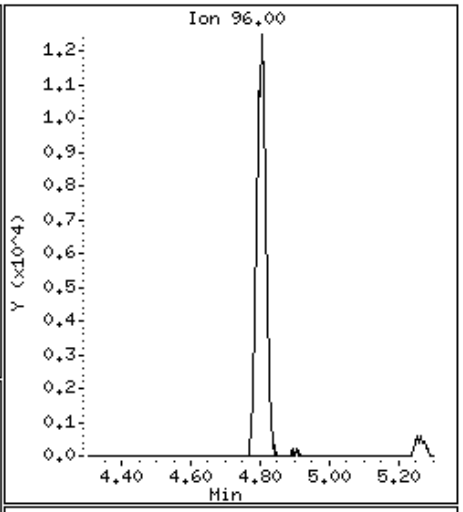
Column phase:

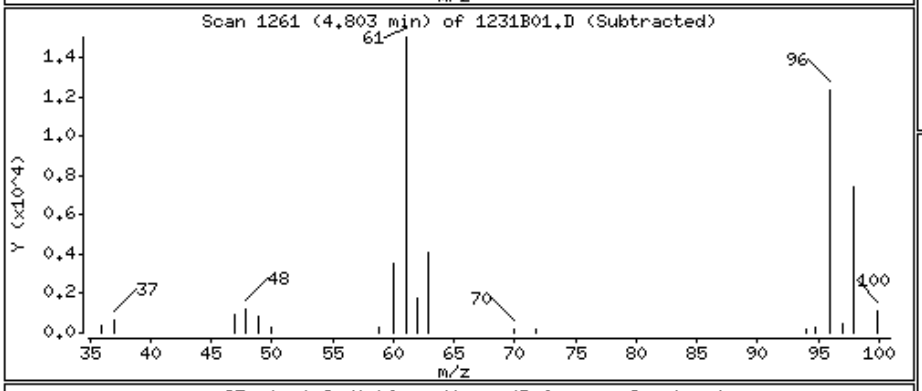
Column diameter: 0.18

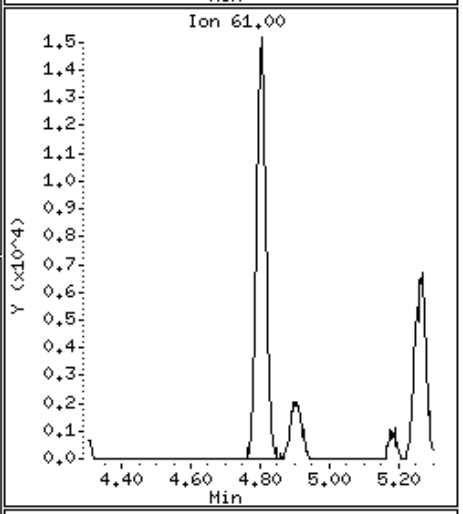
27 cis-1,2-dichloroethene

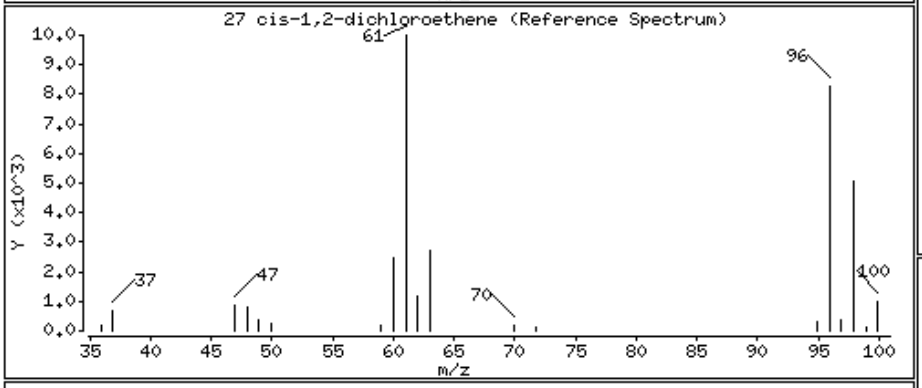
Concentration: 95.403 ngs

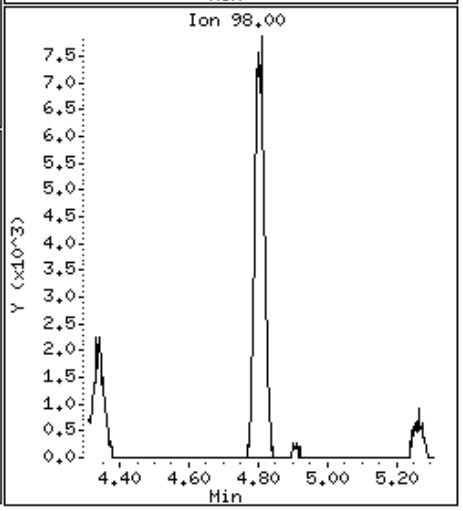


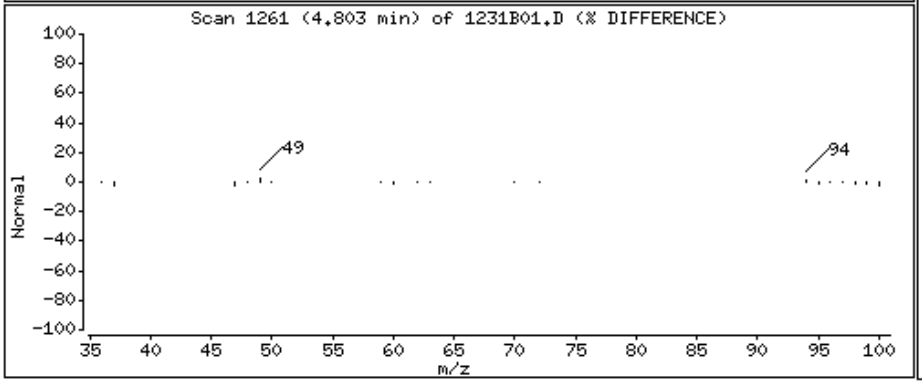












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

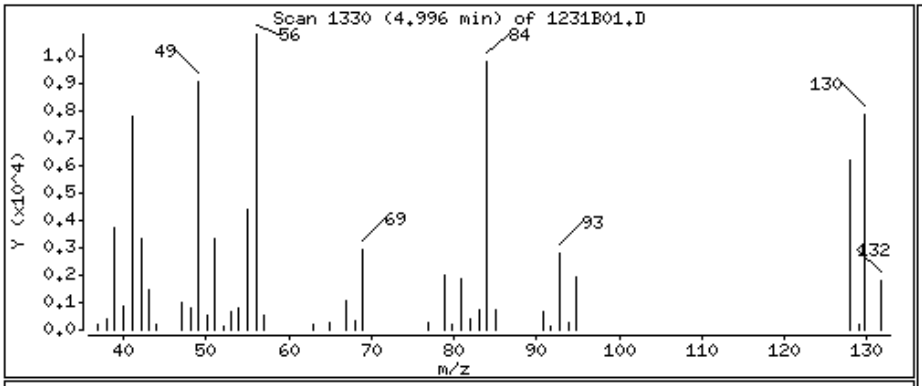
Operator: PD

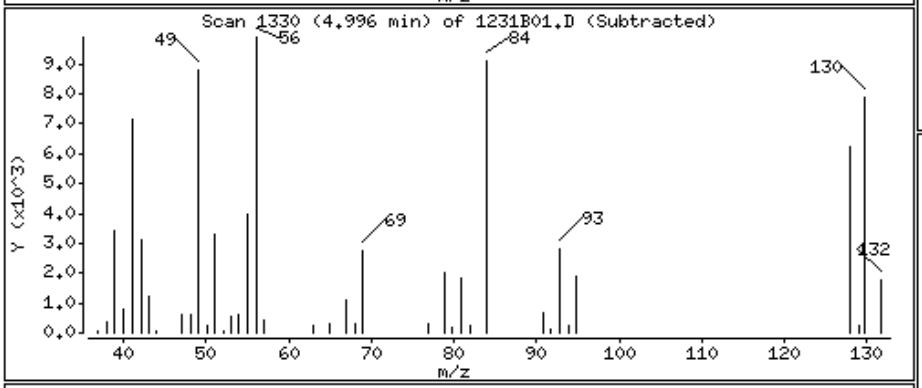
Column phase:

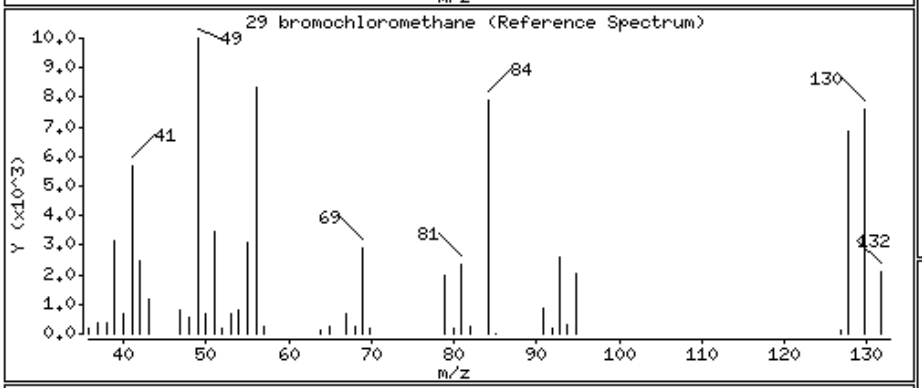
Column diameter: 0.18

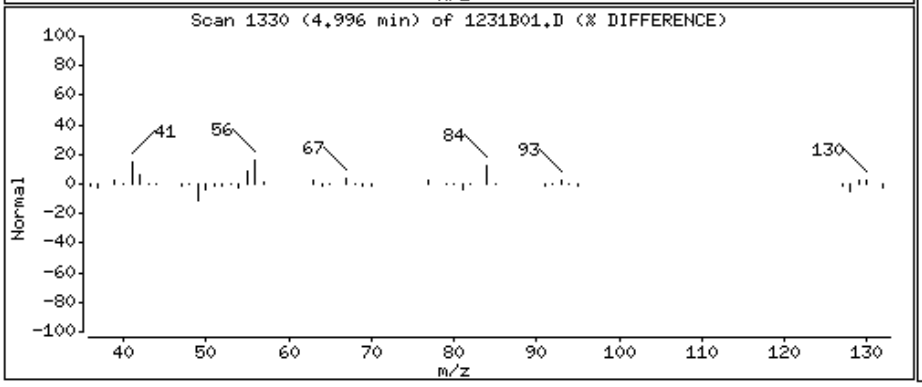
29 bromochloromethane

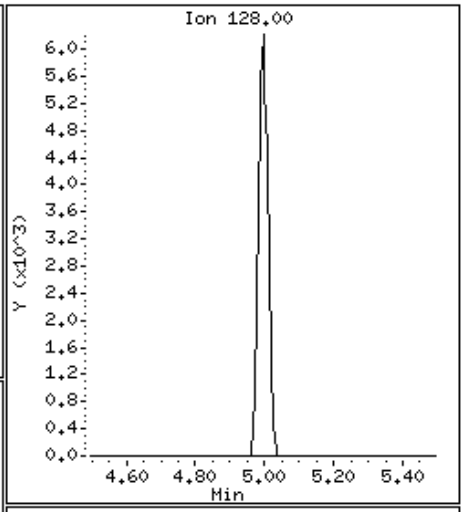
Concentration: 105.006 ngs

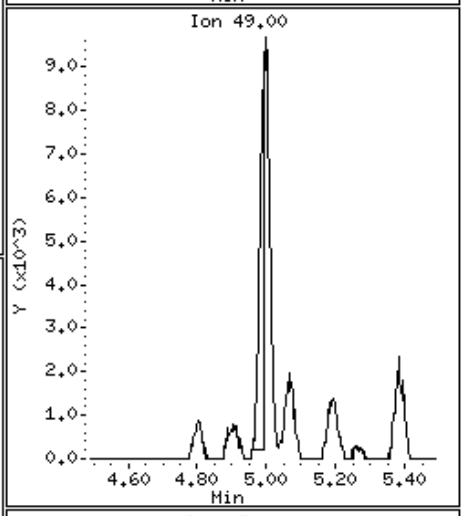


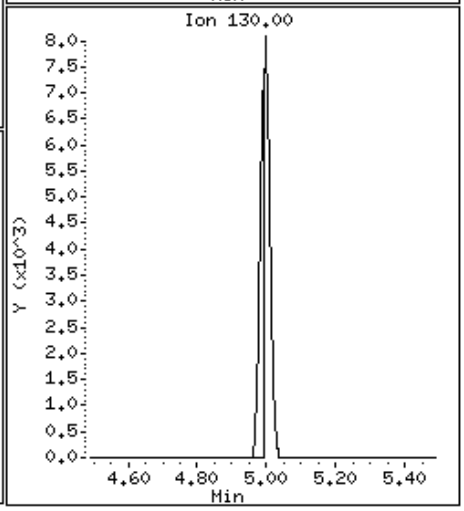












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

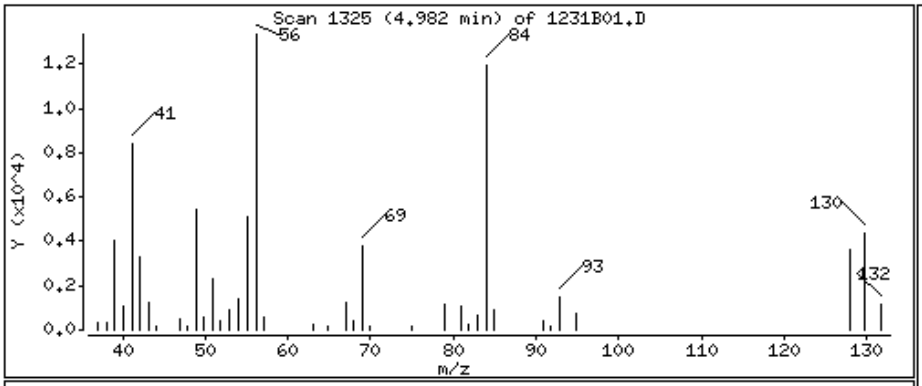
Operator: PD

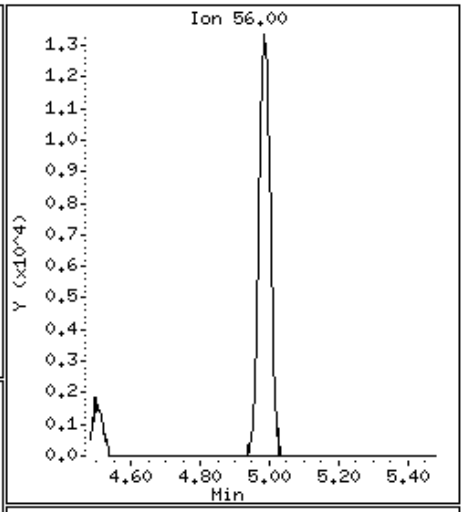
Column phase:

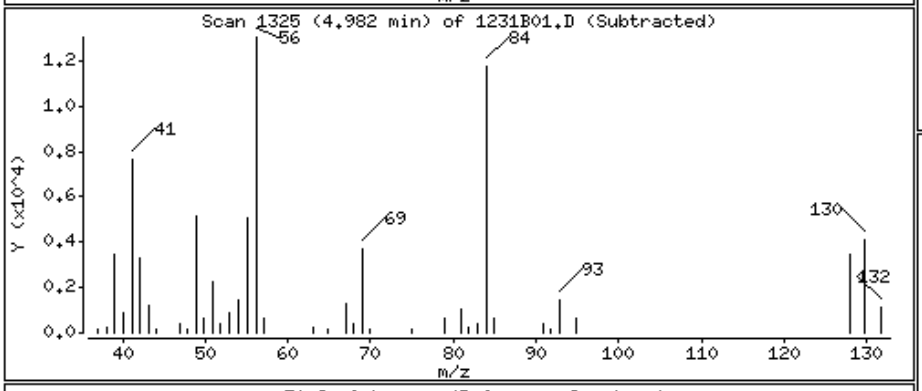
Column diameter: 0.18

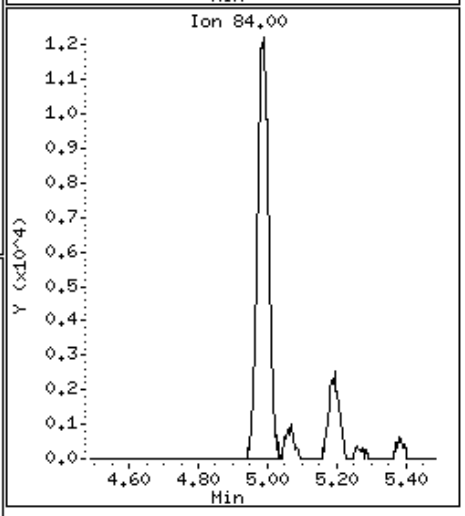
30 Cyclohexane

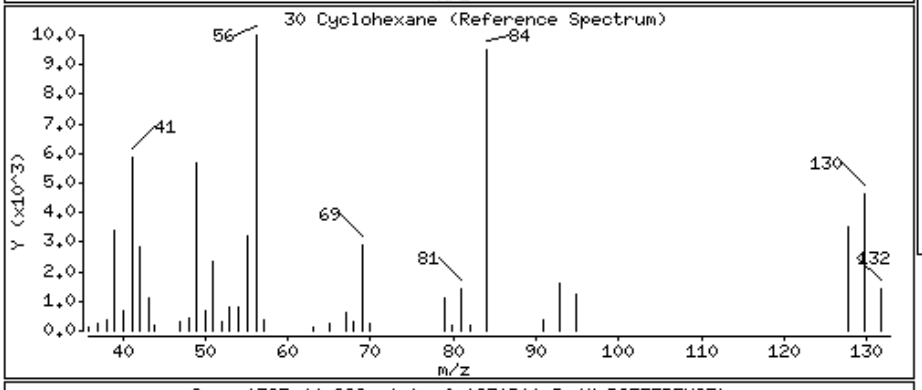
Concentration: 101.882 ngs

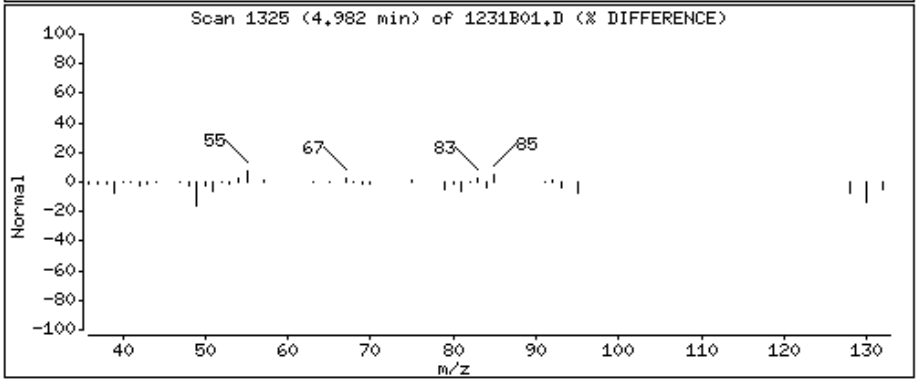












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

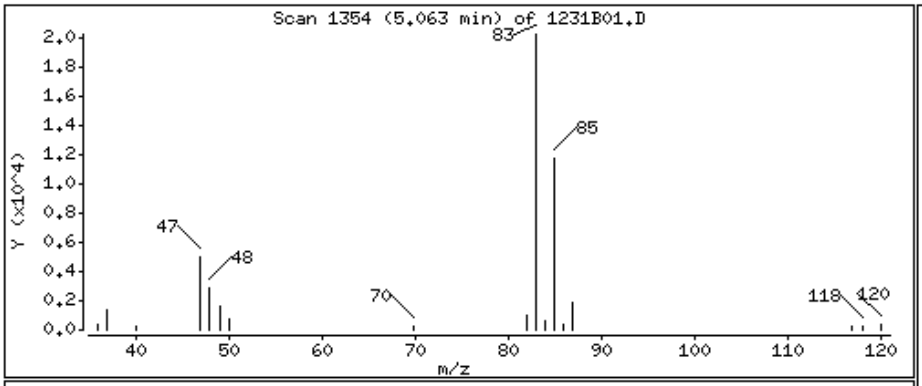
Operator: PD

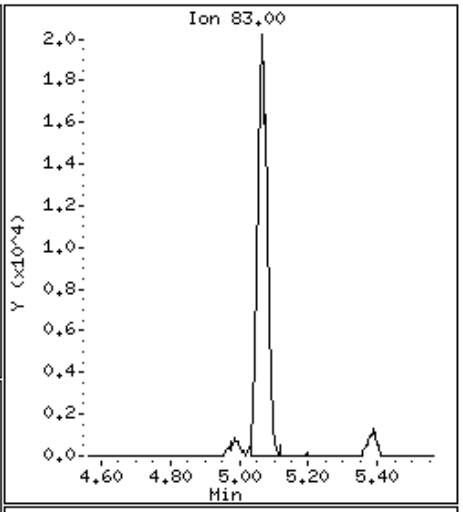
Column phase:

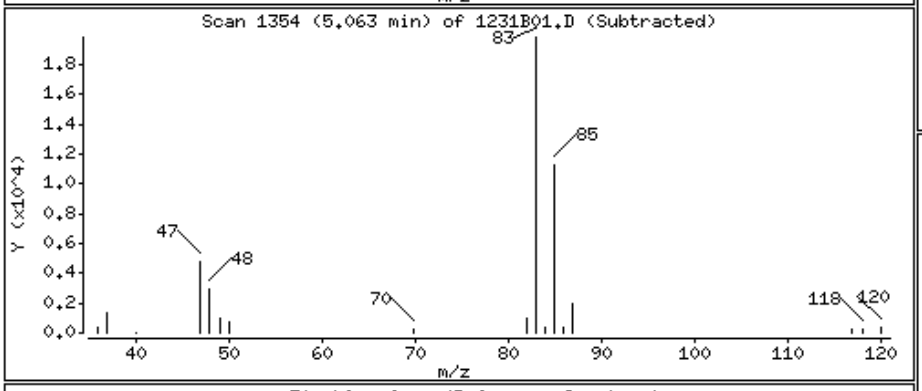
Column diameter: 0.18

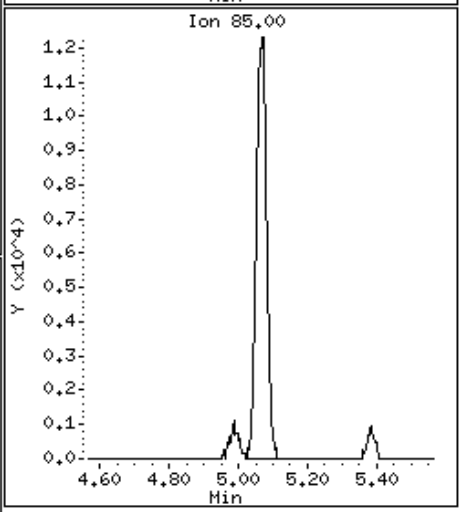
31 chloroform

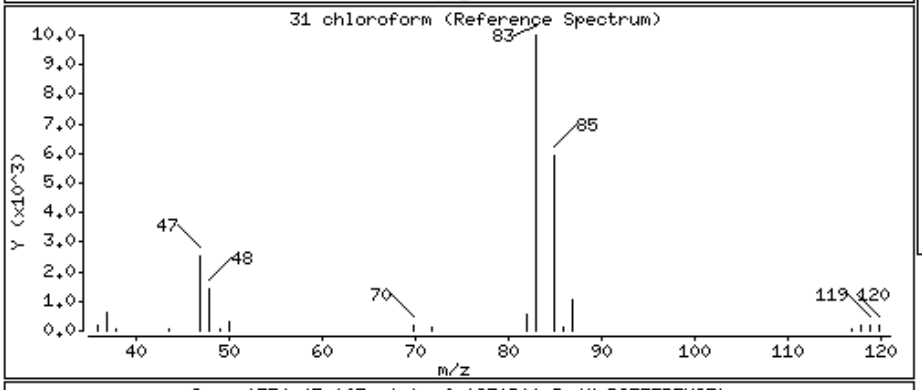
Concentration: 99.029 ngs

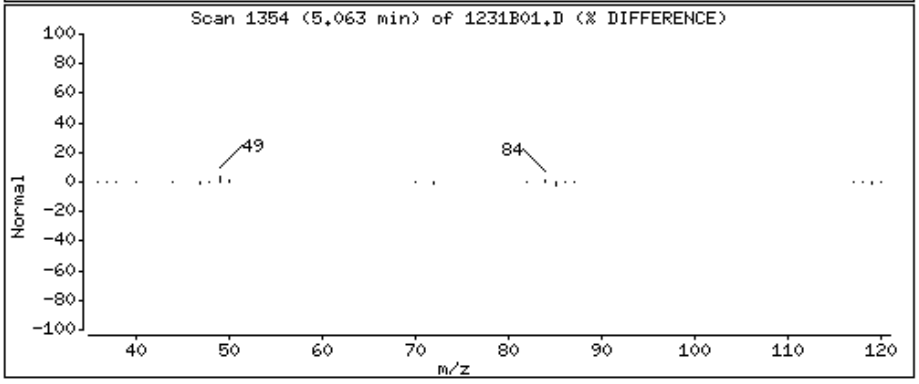












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

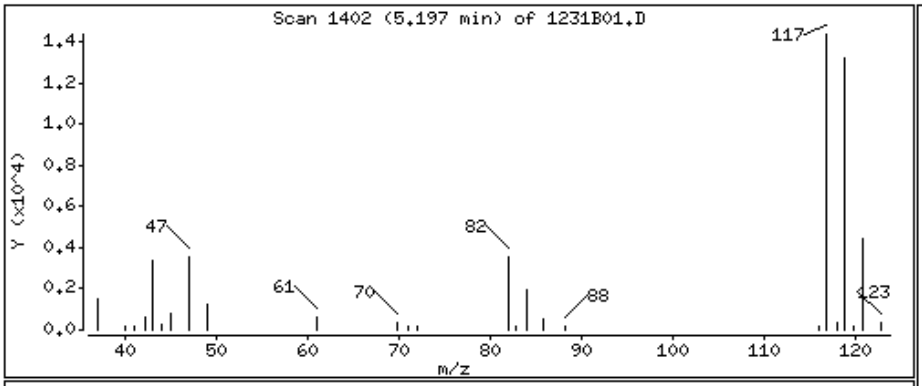
Operator: PD

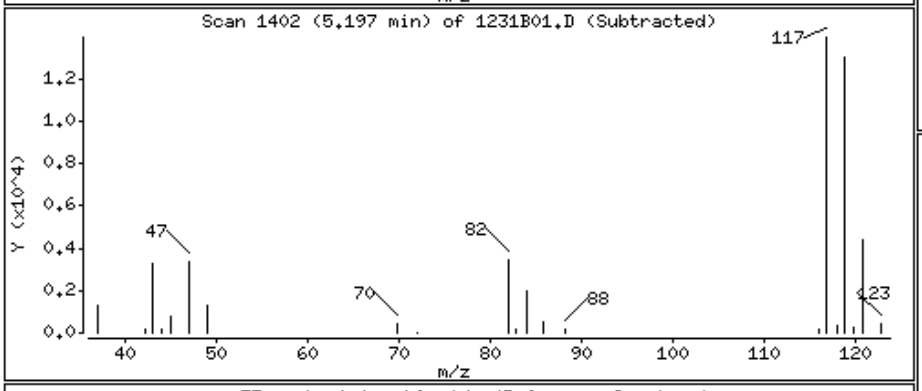
Column phase:

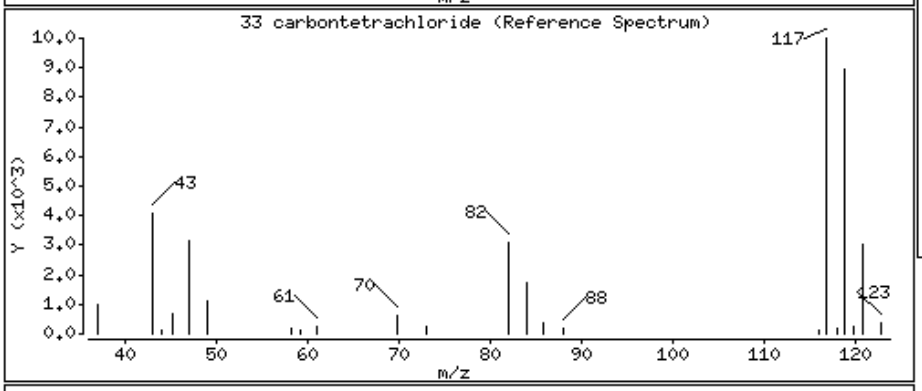
Column diameter: 0.18

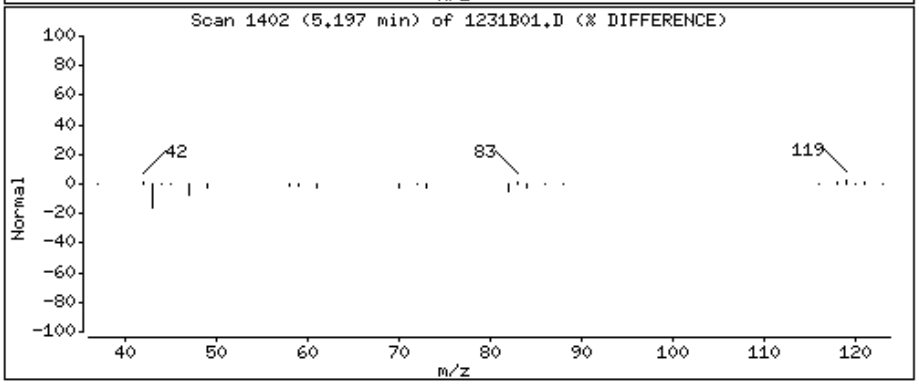
33 carbontetrachloride

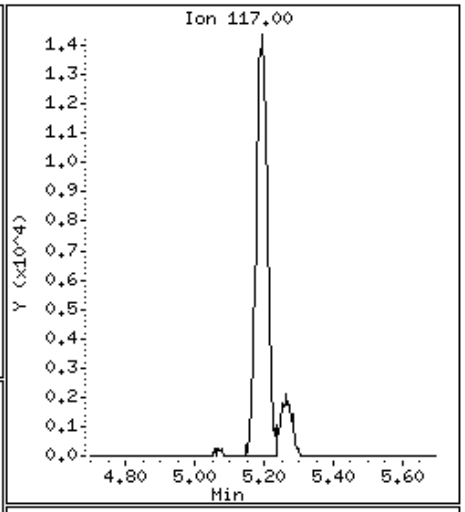
Concentration: 104.209 ngs

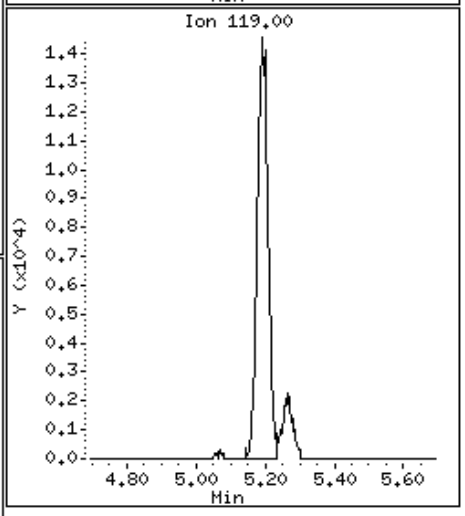












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

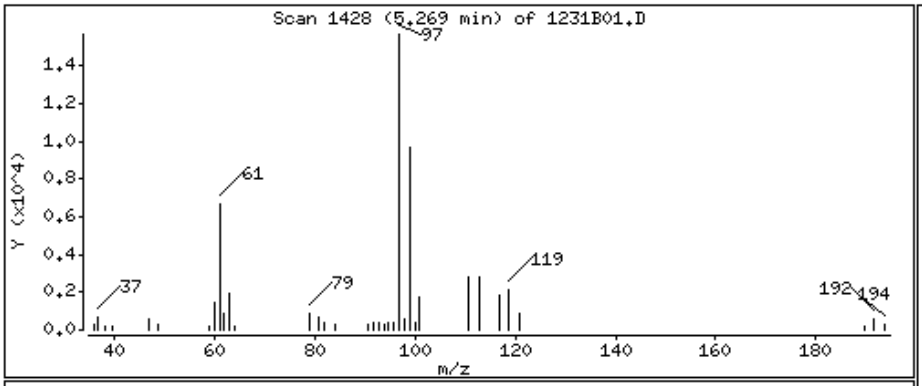
Operator: PD

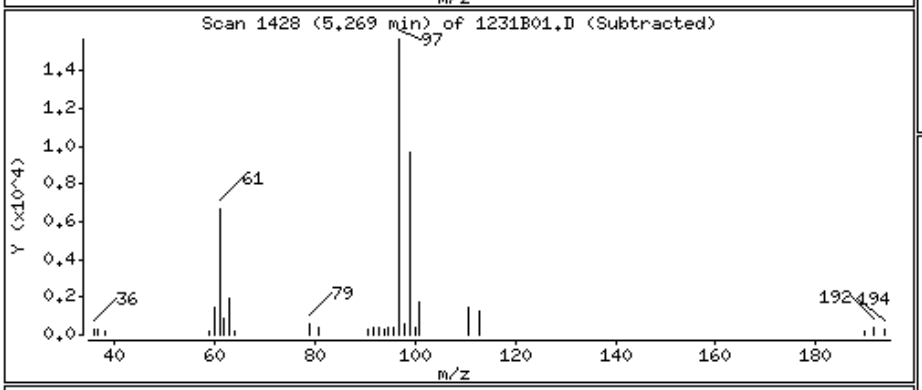
Column phase:

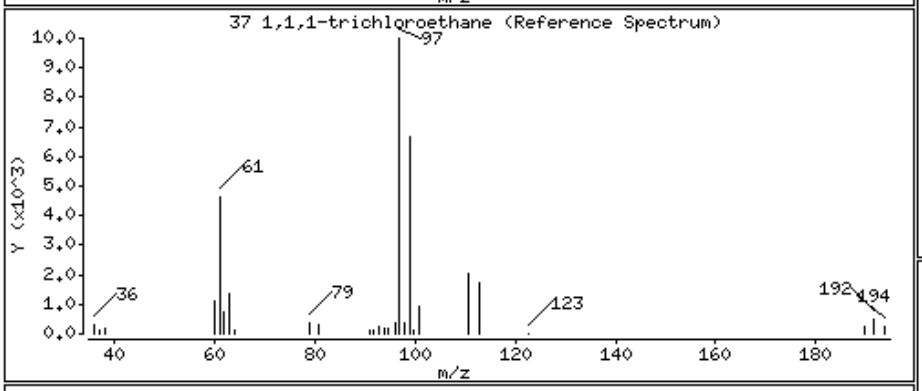
Column diameter: 0.18

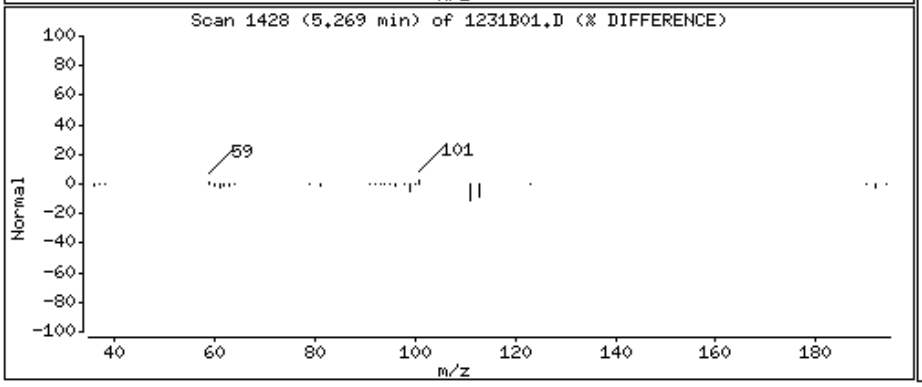
37 1,1,1-trichloroethane

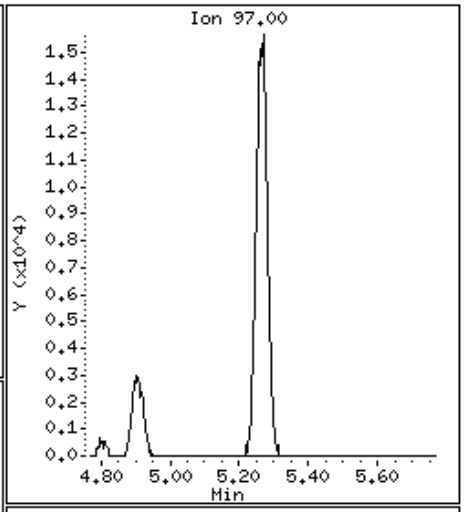
Concentration: 104.025 ngs

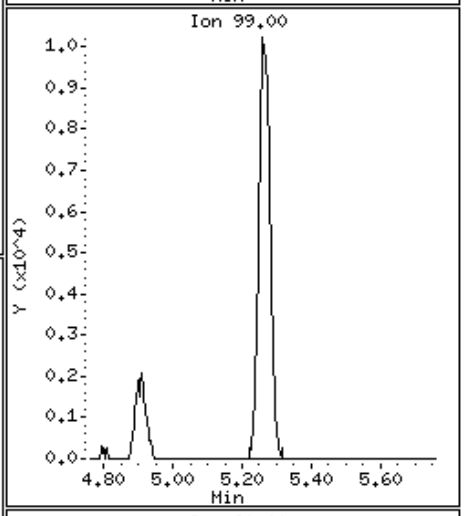


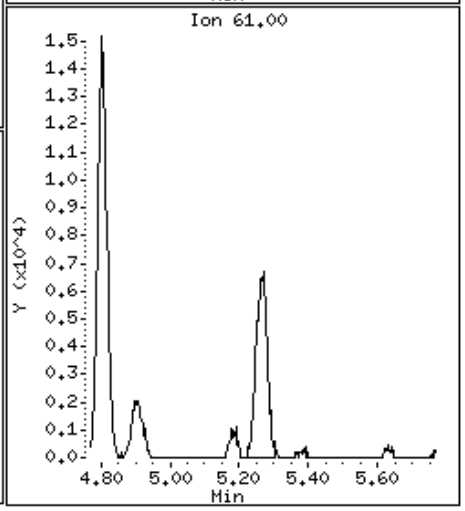












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

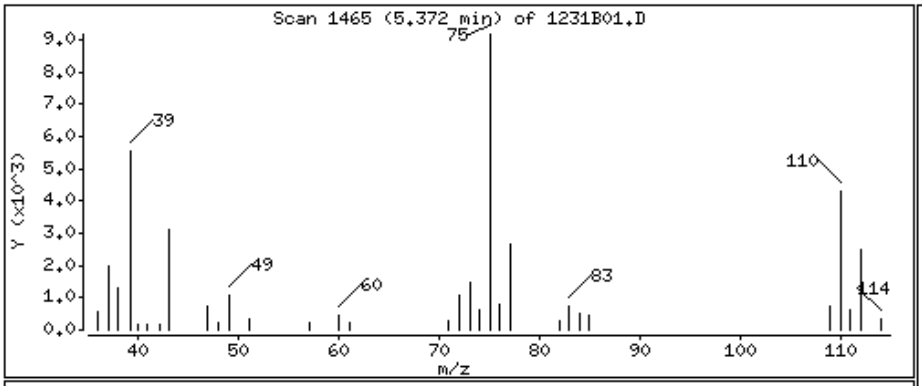
Operator: PD

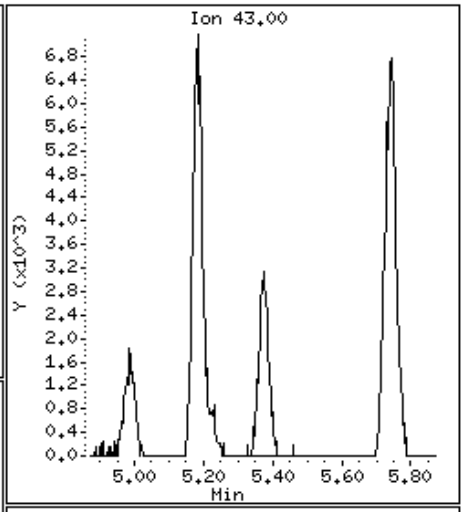
Column phase:

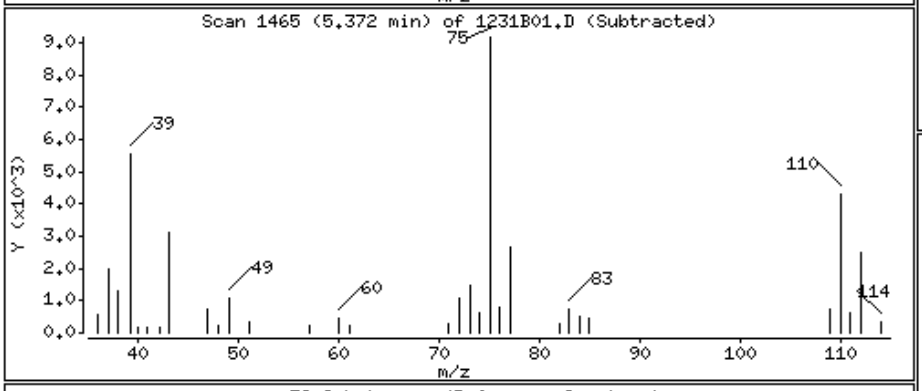
Column diameter: 0.18

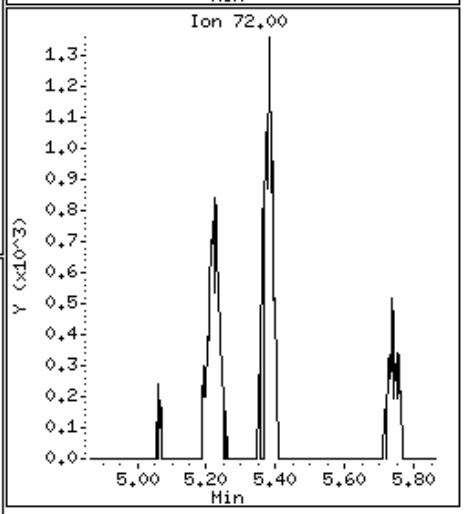
38 2-butanone

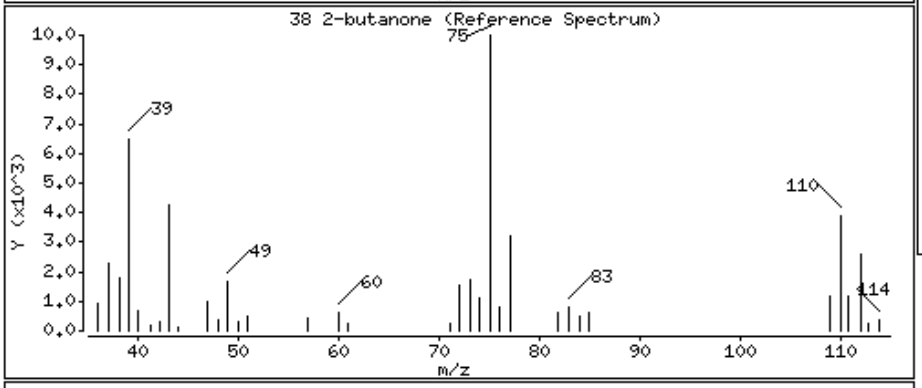
Concentration: 93.729 ngs

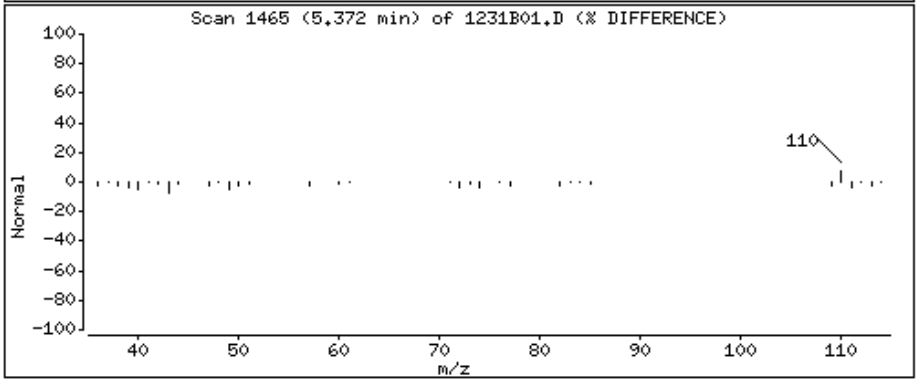












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

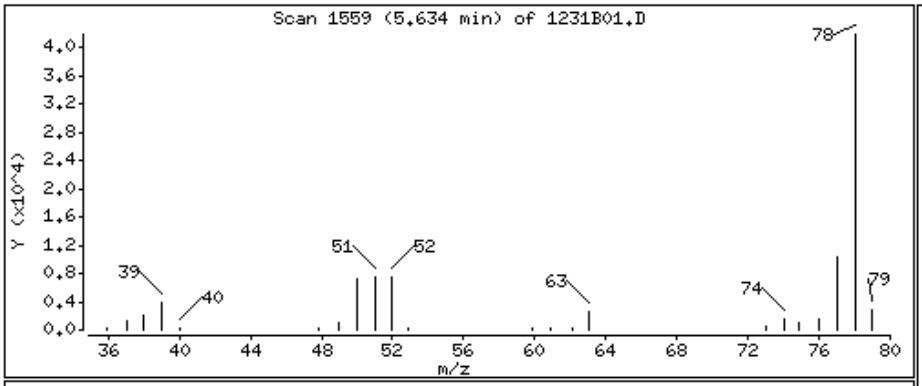
Operator: PD

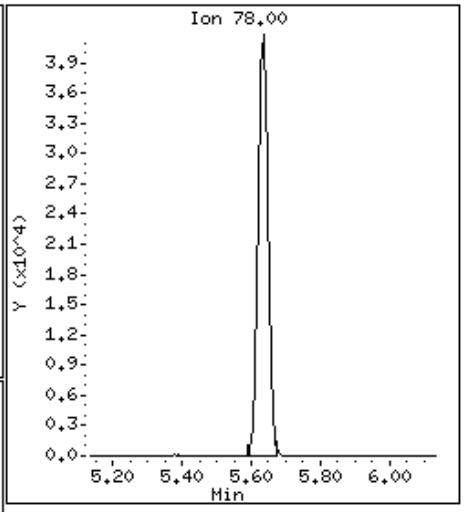
Column phase:

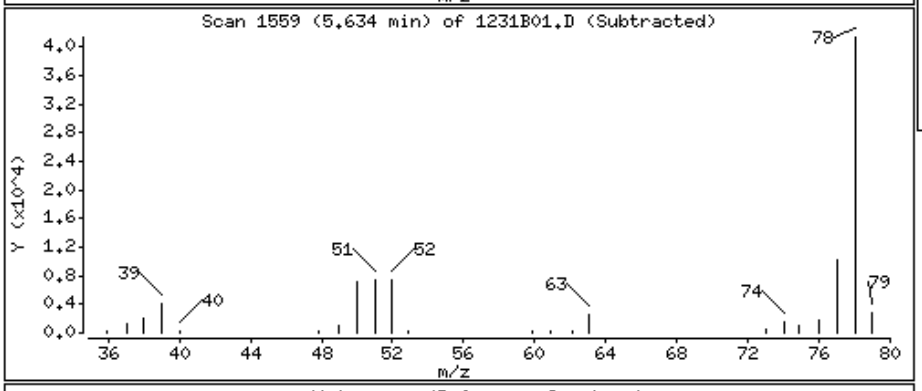
Column diameter: 0.18

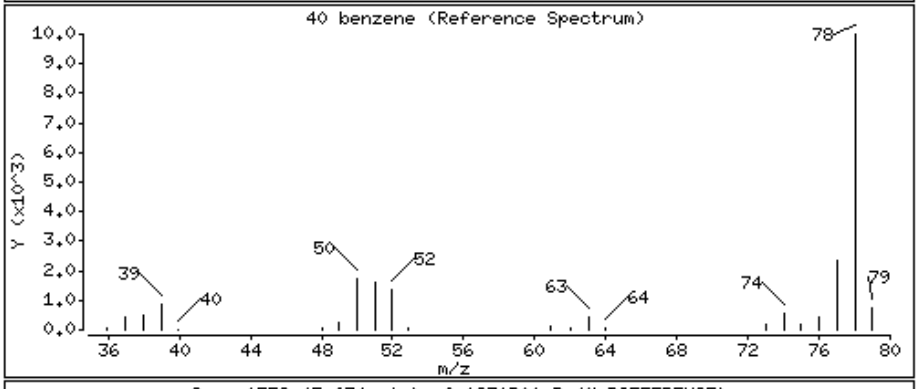
40 benzene

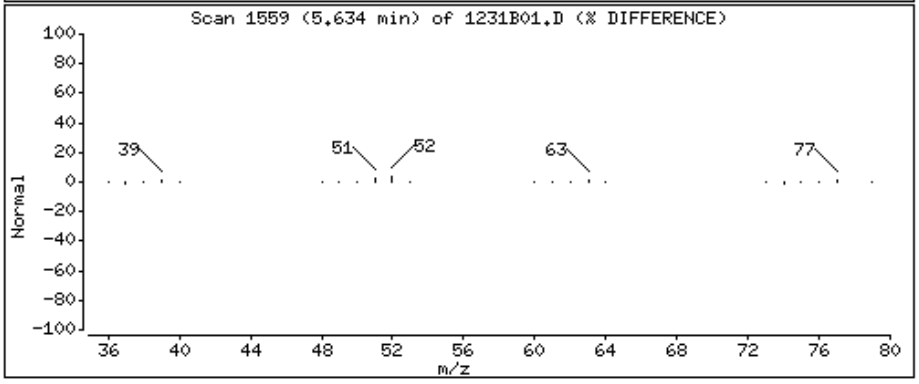
Concentration: 98.362 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

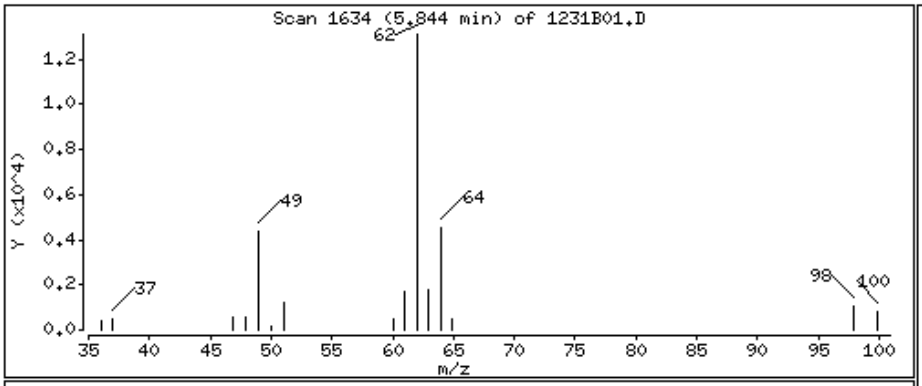
Operator: PD

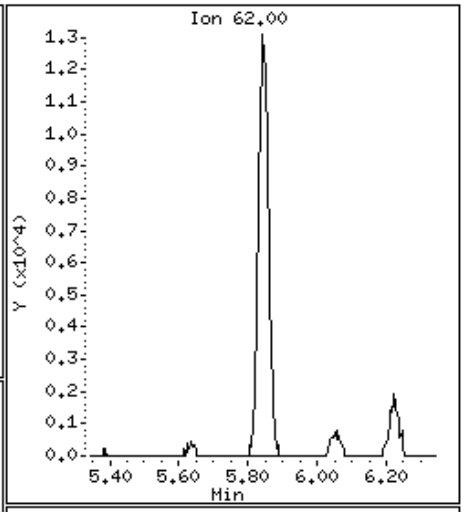
Column phase:

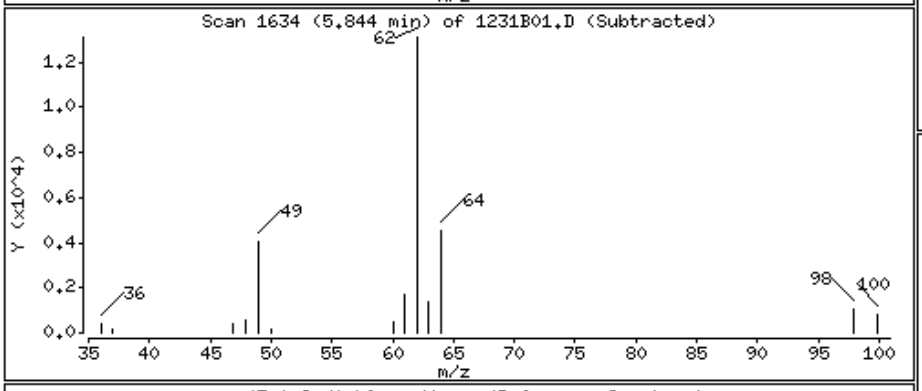
Column diameter: 0.18

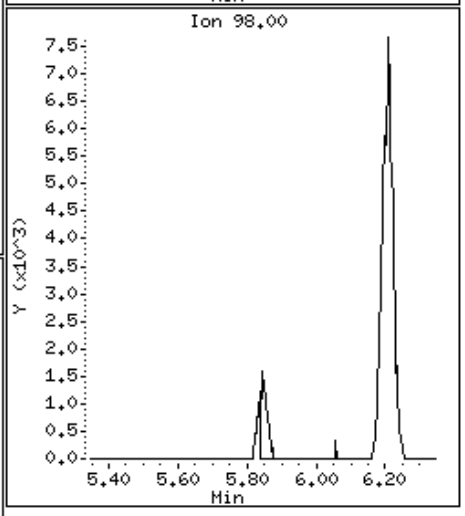
43 1,2-dichloroethane

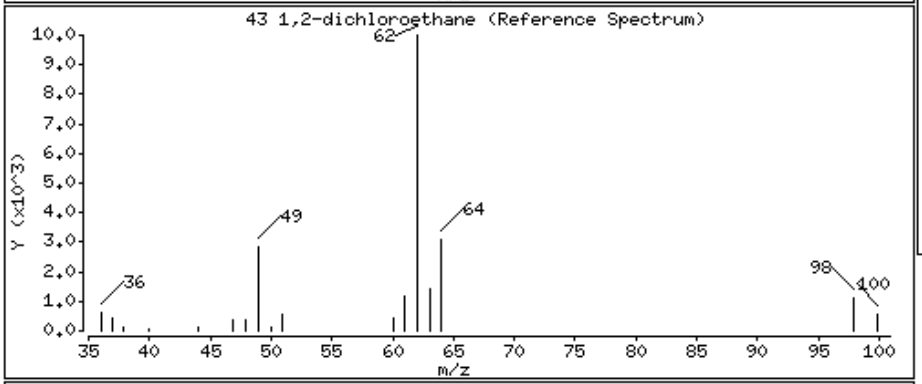
Concentration: 98.836 ngs

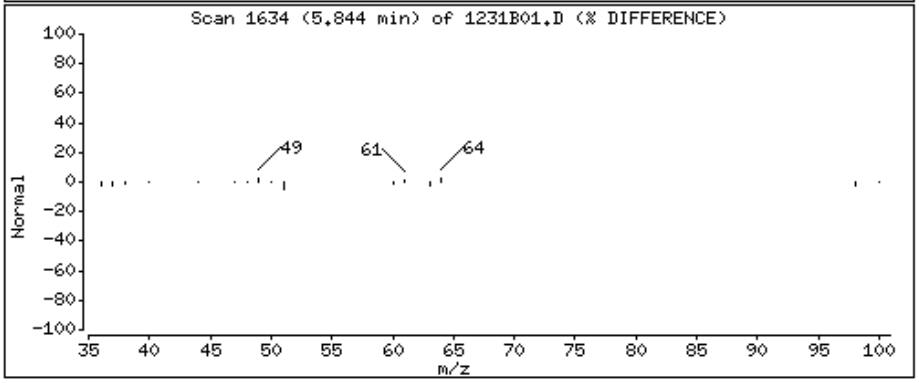












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

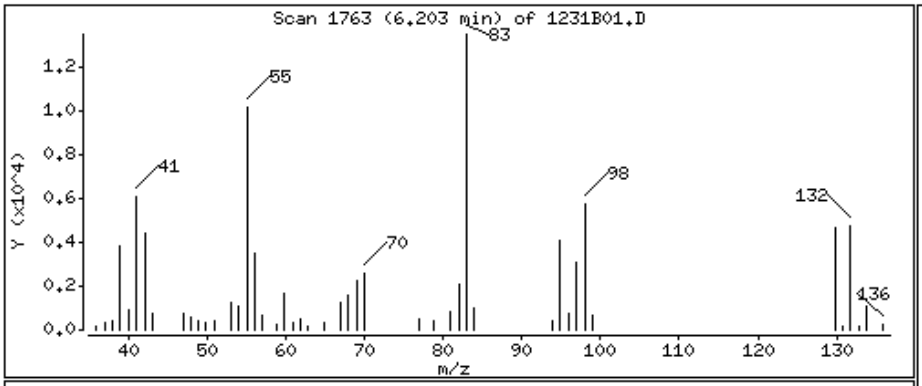
Operator: PD

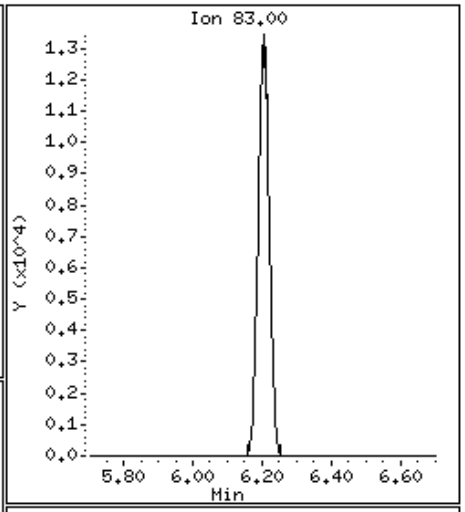
Column phase:

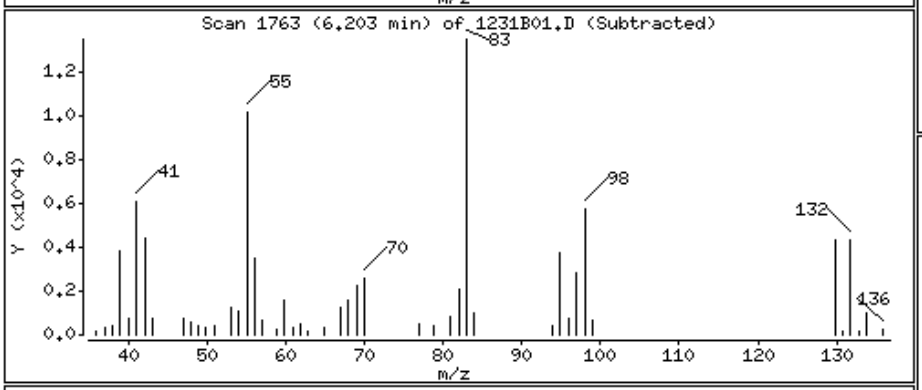
Column diameter: 0.18

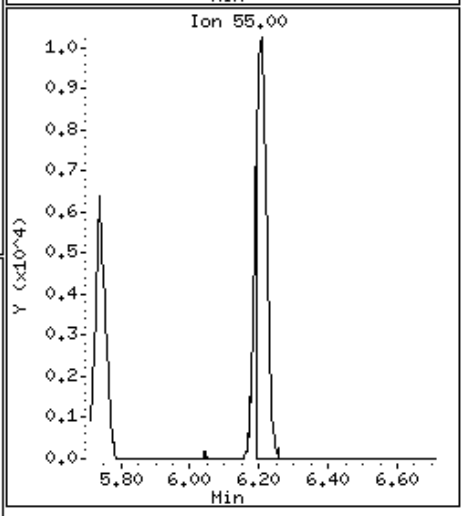
47 methyl cyclohexane

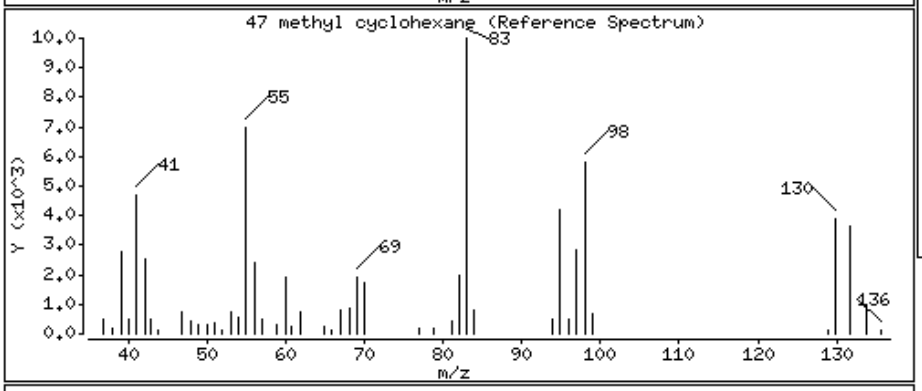
Concentration: 89.911 ngs

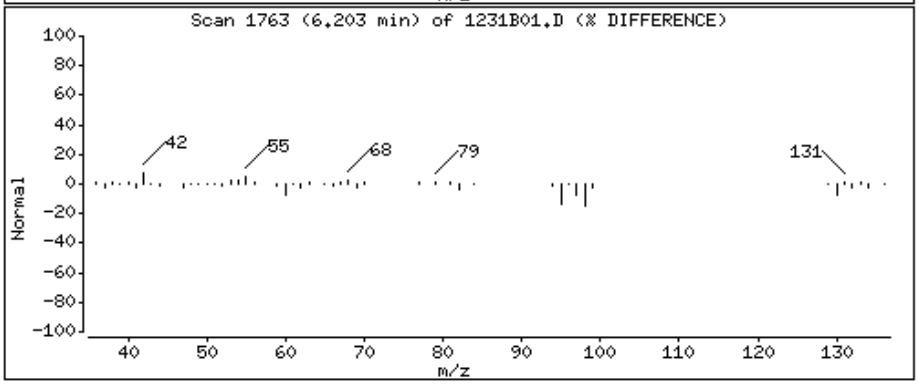












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

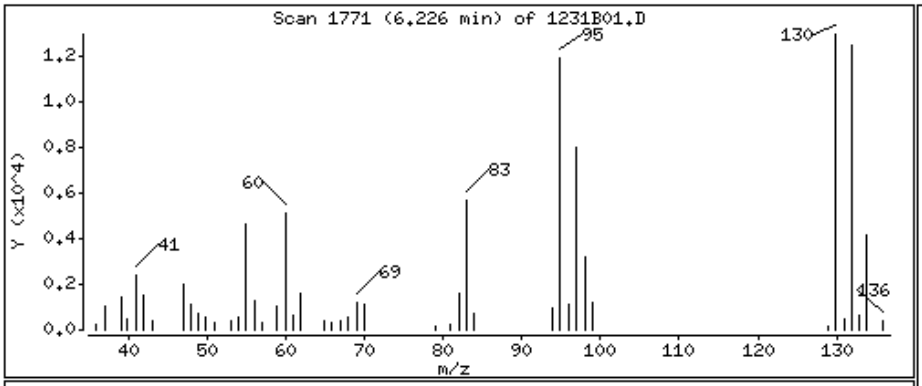
Operator: PD

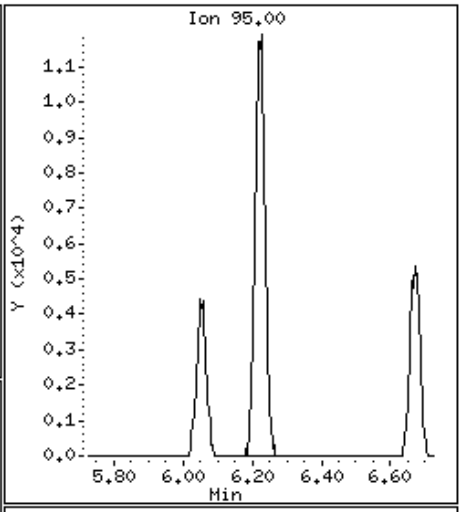
Column phase:

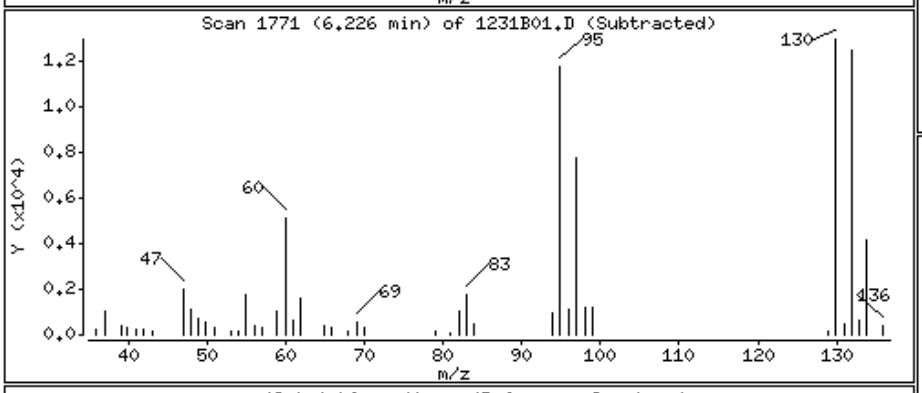
Column diameter: 0.18

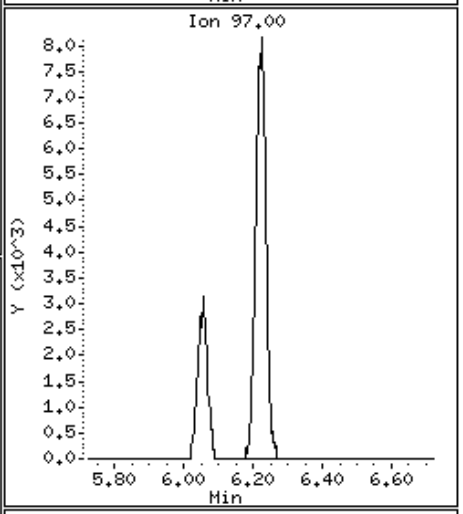
48 trichloroethene

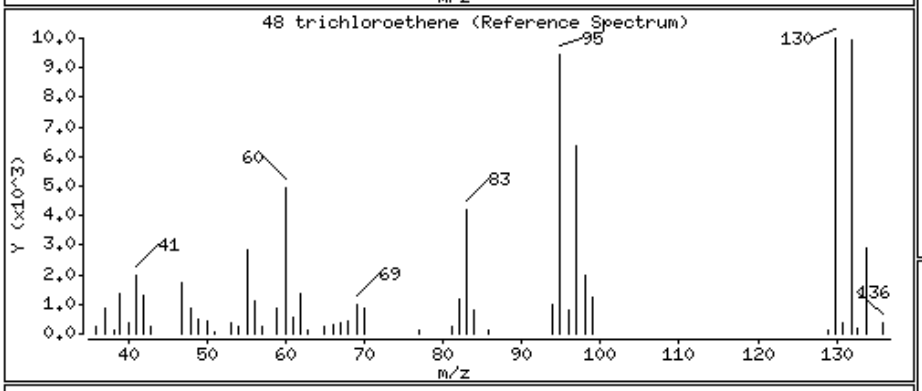
Concentration: 98.115 ngs

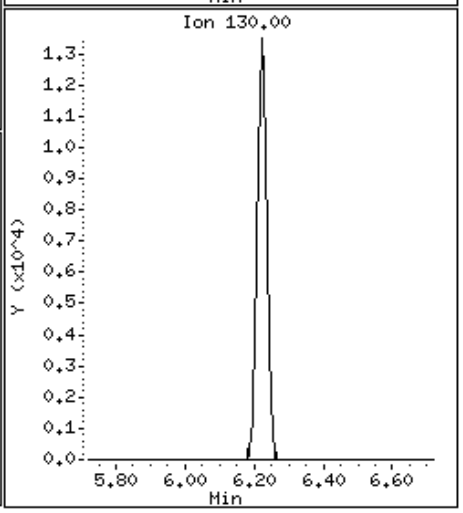


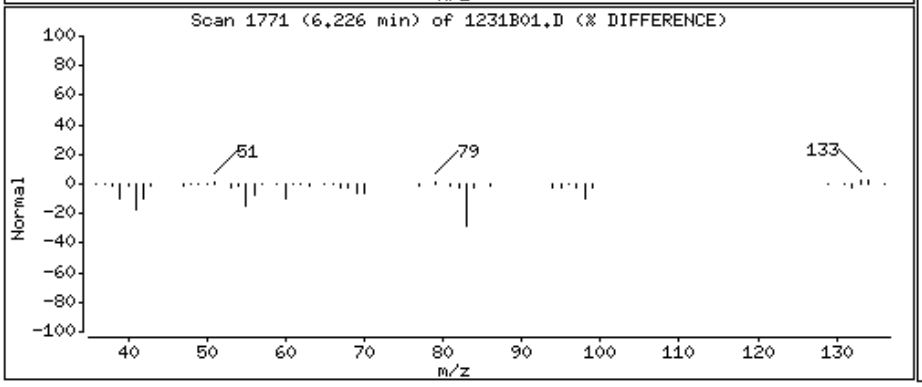












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

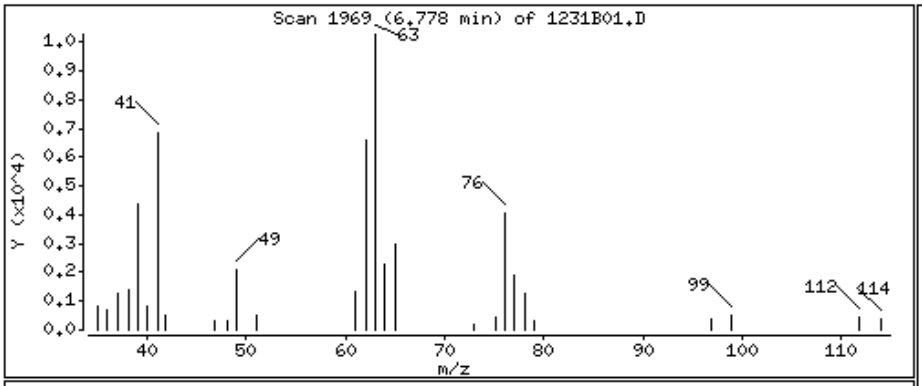
Operator: PD

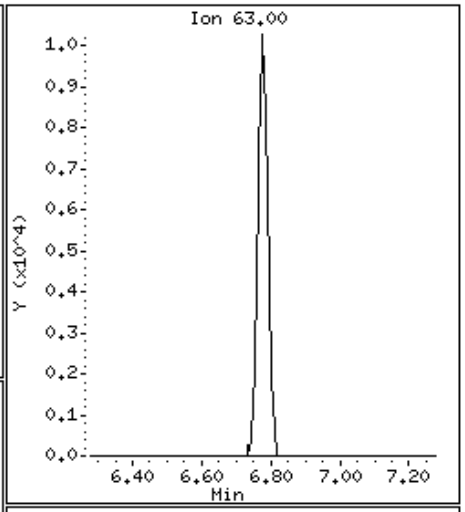
Column phase:

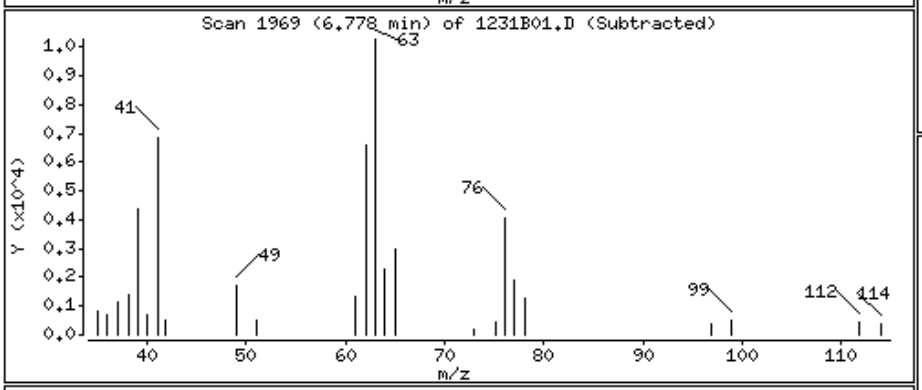
Column diameter: 0.18

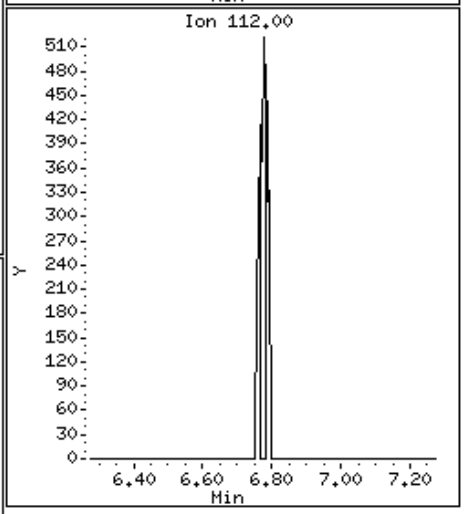
52 1,2-dichloropropane

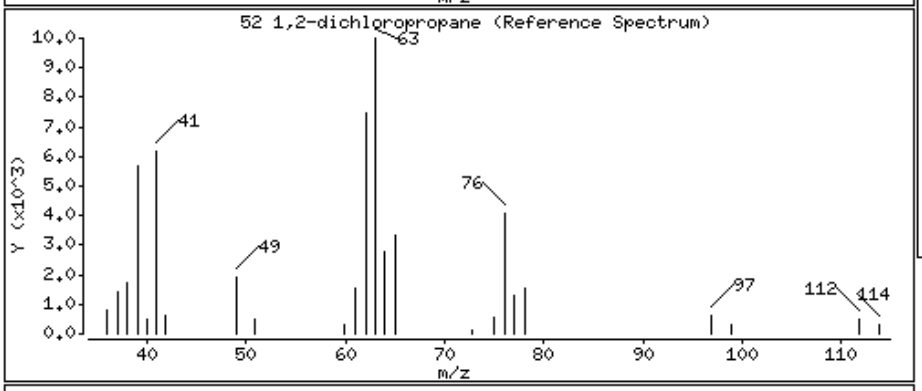
Concentration: 99.917 ngs

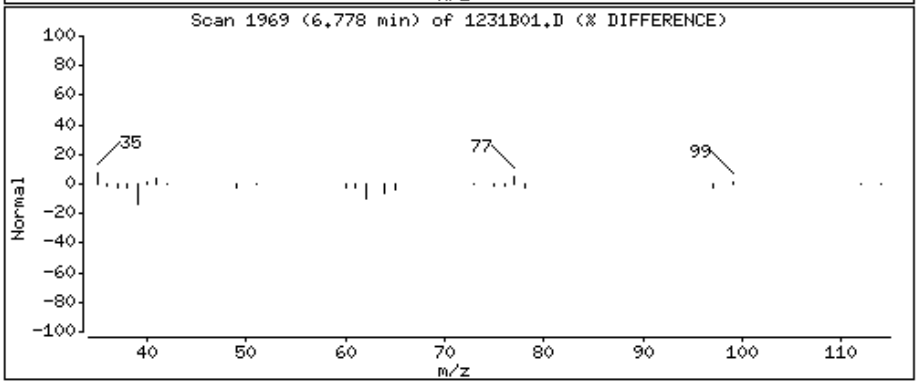












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

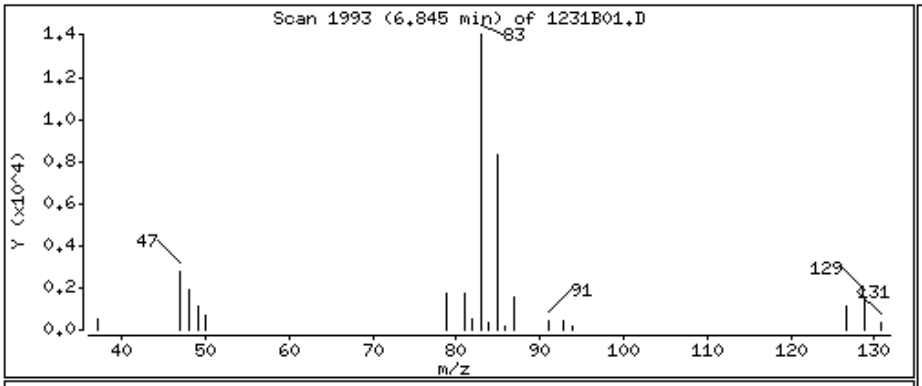
Operator: PD

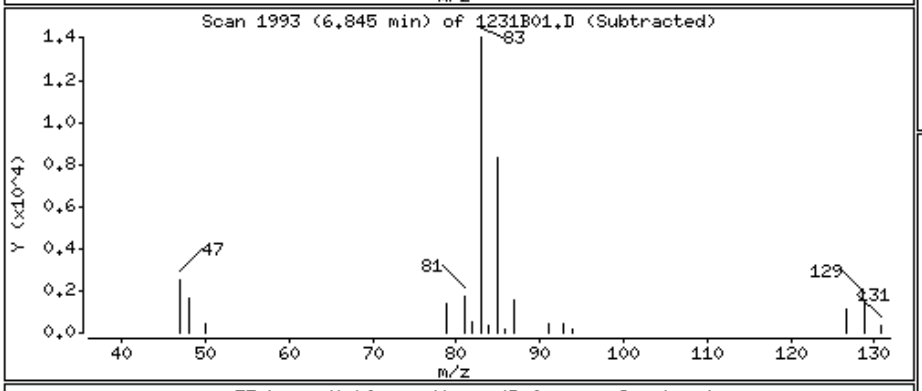
Column phase:

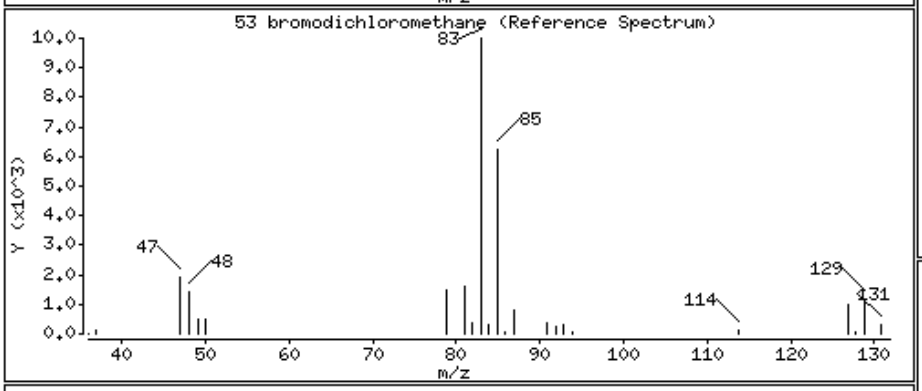
Column diameter: 0.18

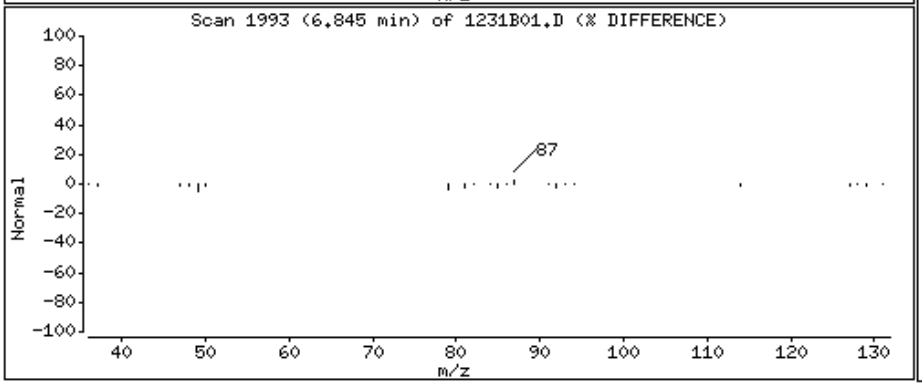
53 bromodichloromethane

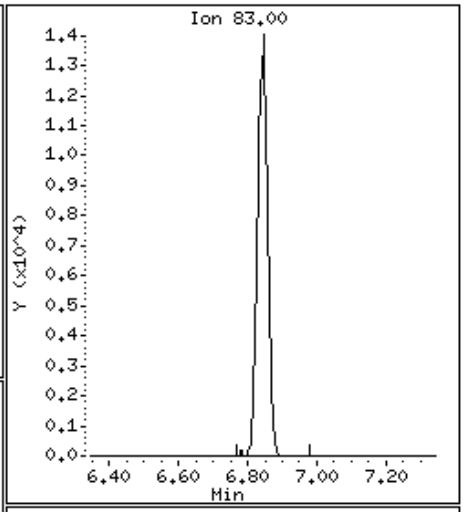
Concentration: 93.865 ngs

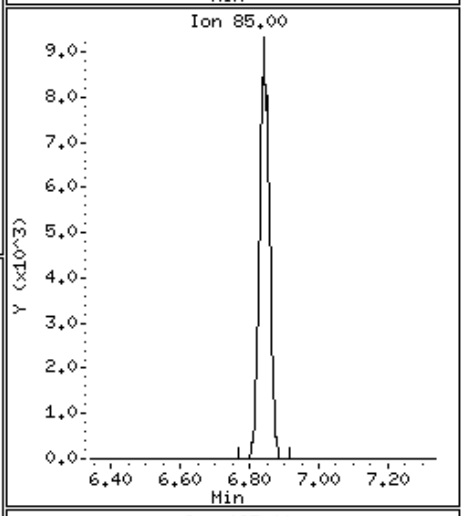


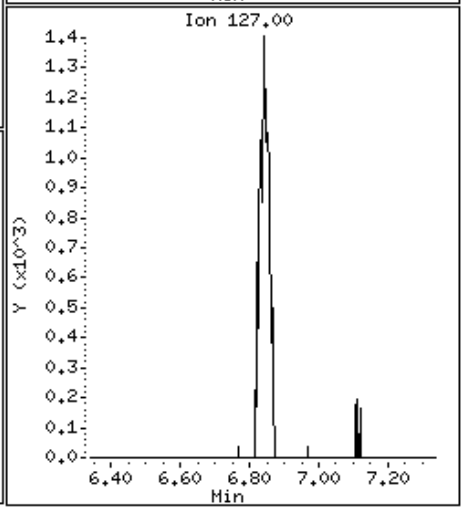












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

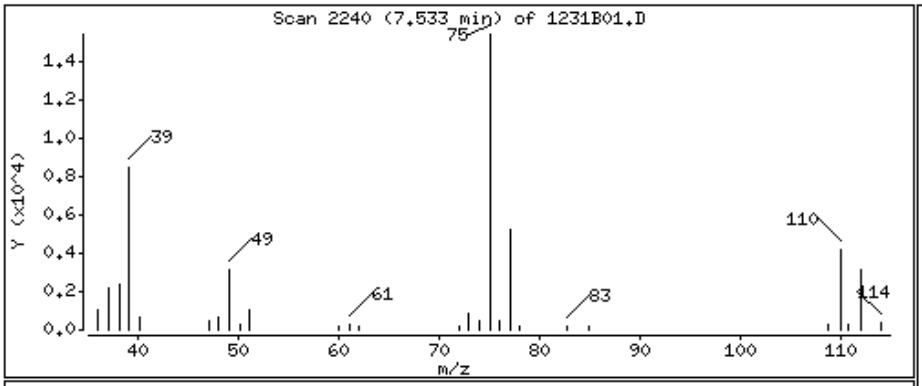
Operator: PD

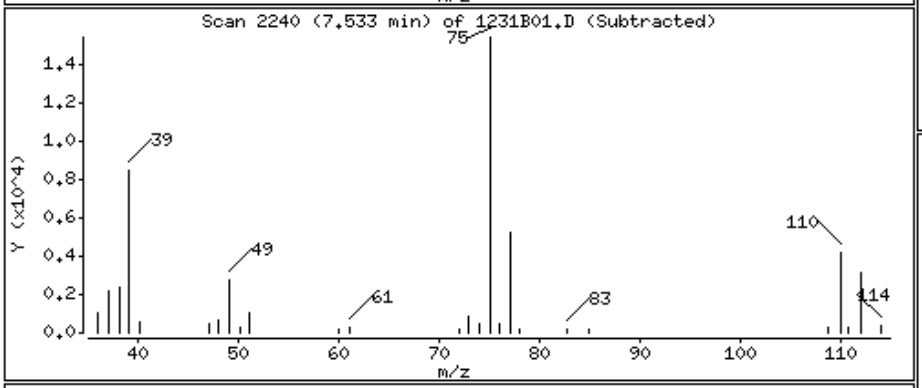
Column phase:

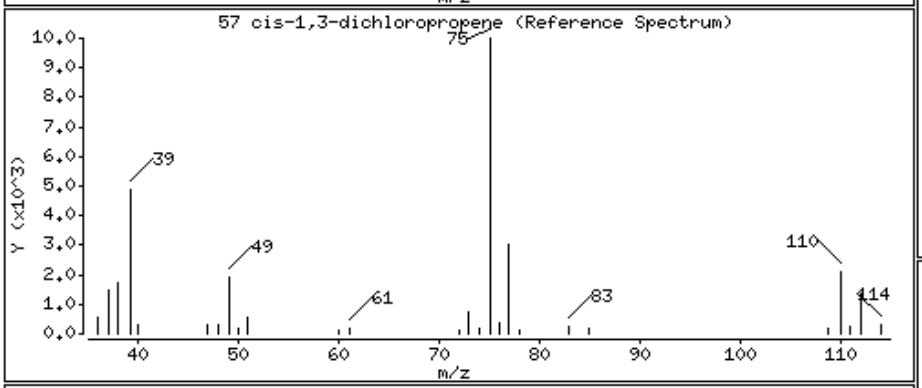
Column diameter: 0.18

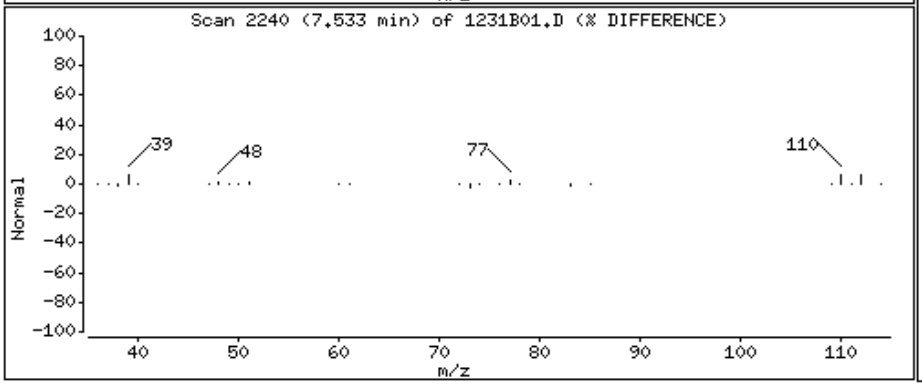
57 cis-1,3-dichloropropene

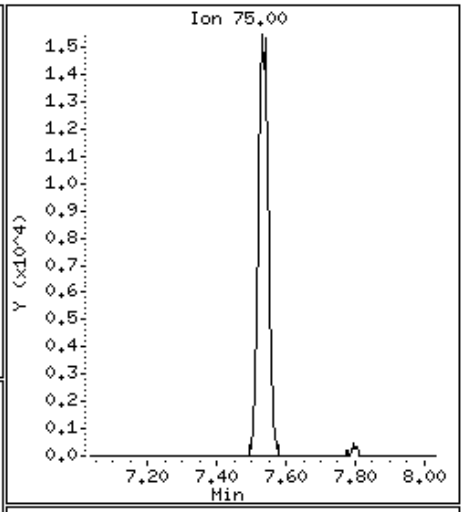
Concentration: 93.962 ngs

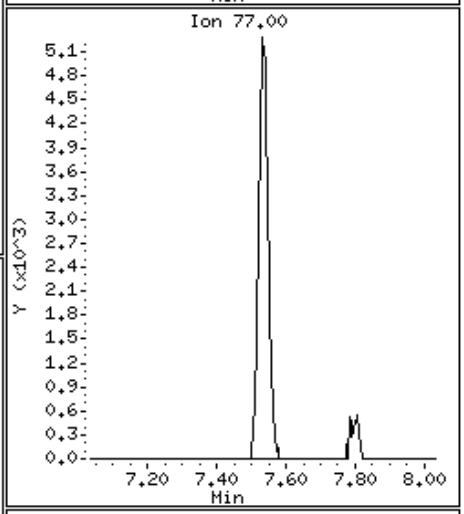


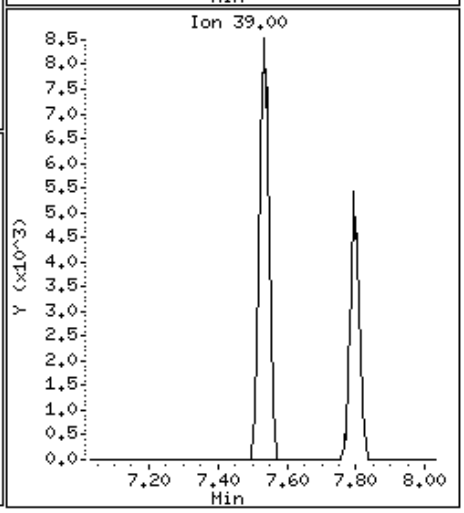












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

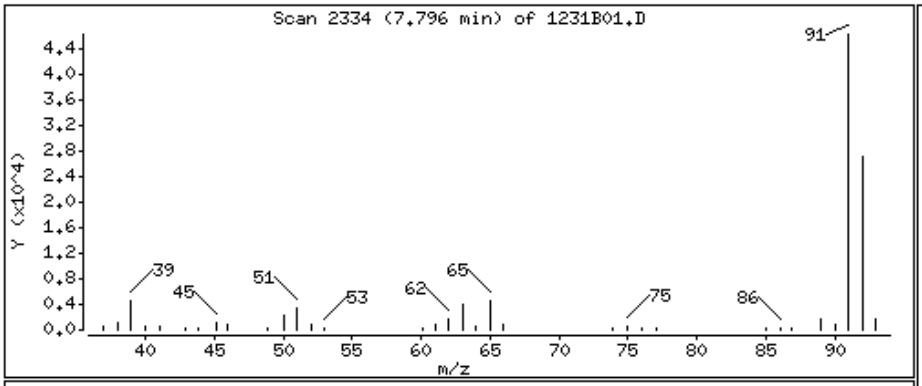
Operator: PD

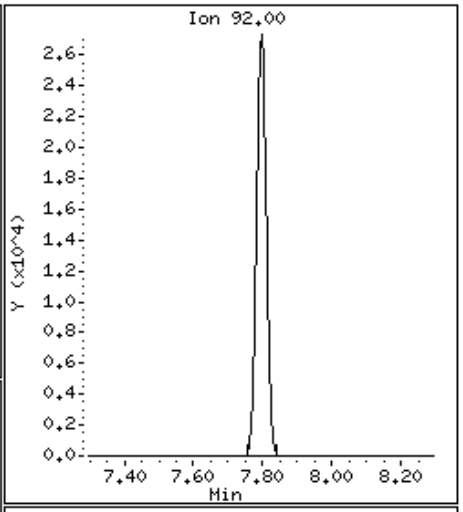
Column phase:

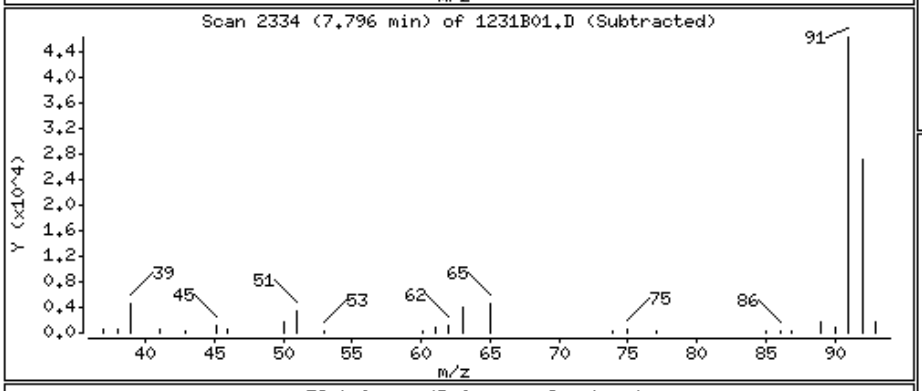
Column diameter: 0.18

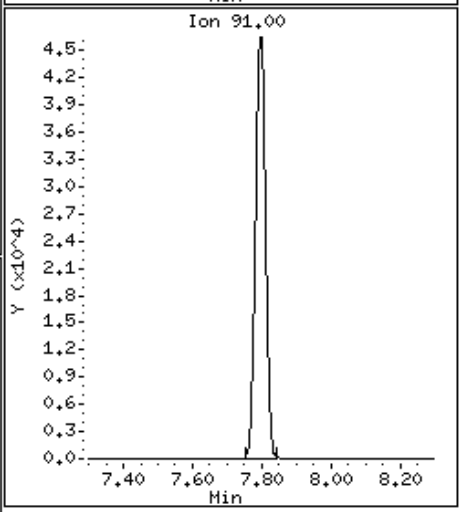
59 toluene

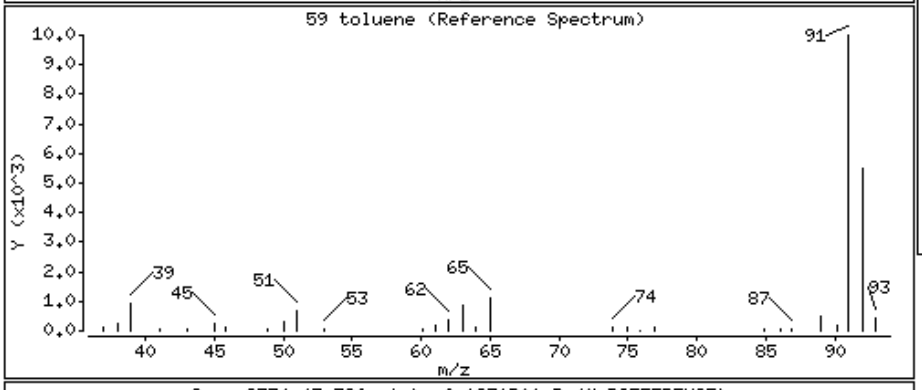
Concentration: 101.312 ngs

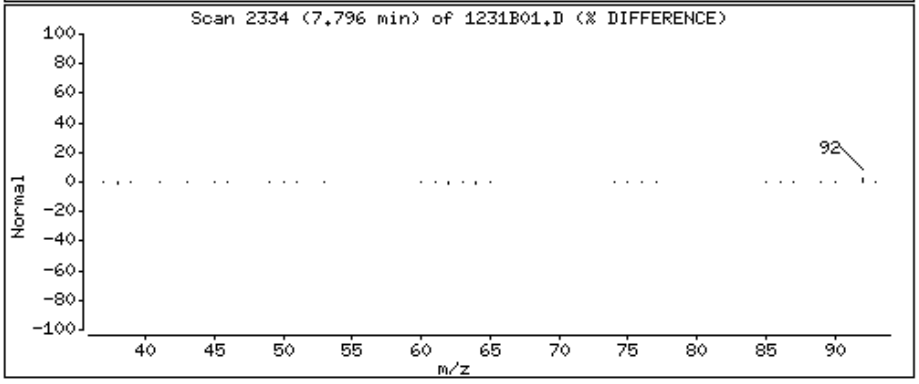












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

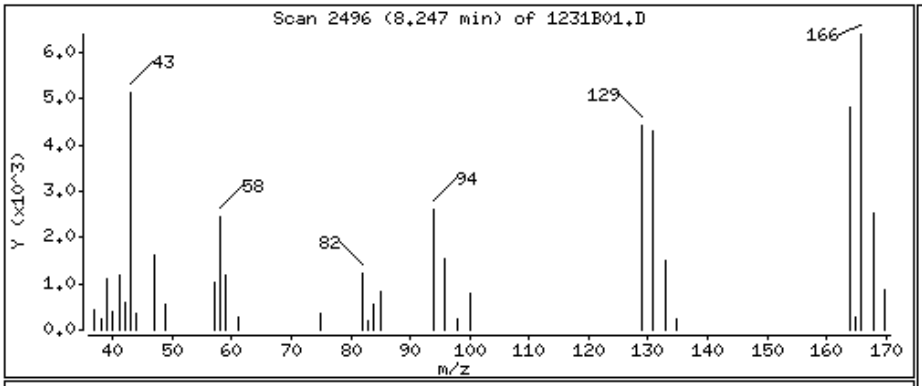
Operator: PD

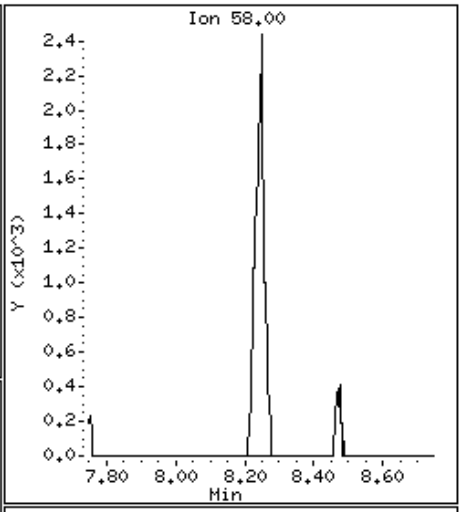
Column phase:

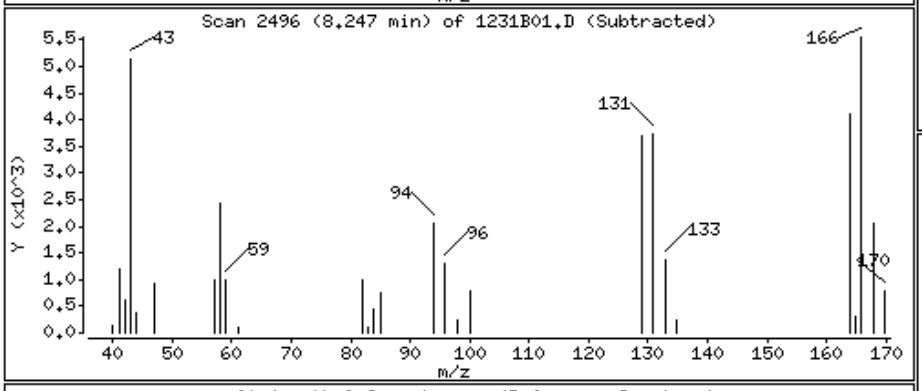
Column diameter: 0.18

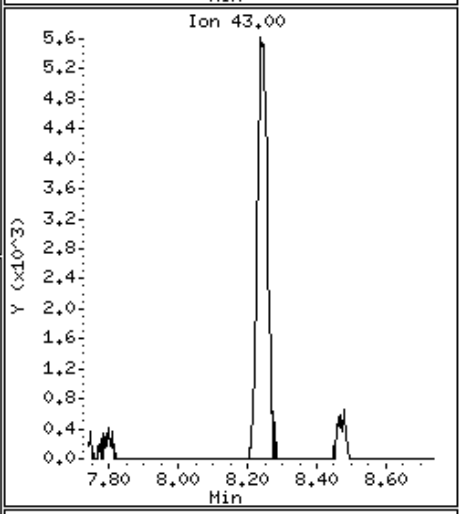
60 4-methyl-2-pentanone

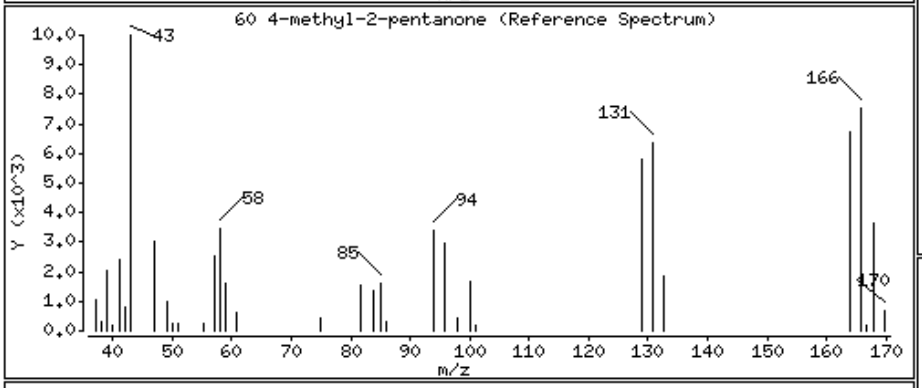
Concentration: 79.914 ngs

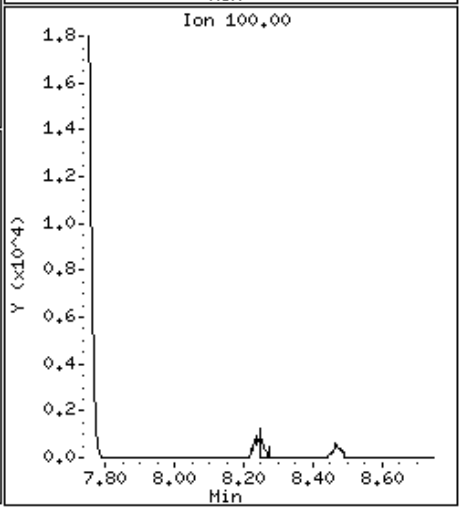


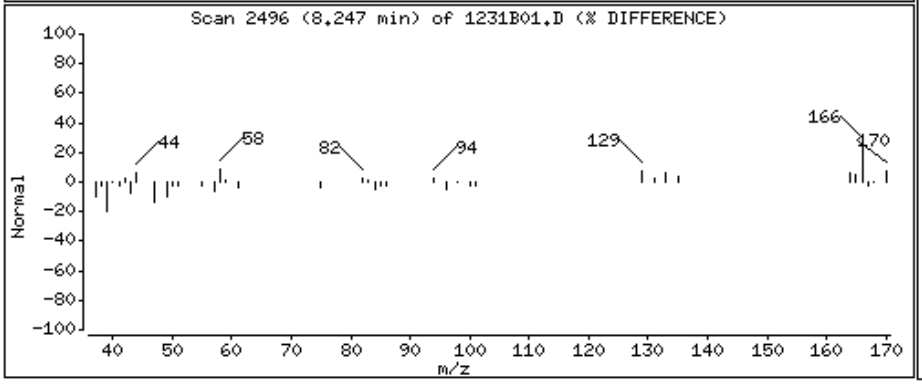












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

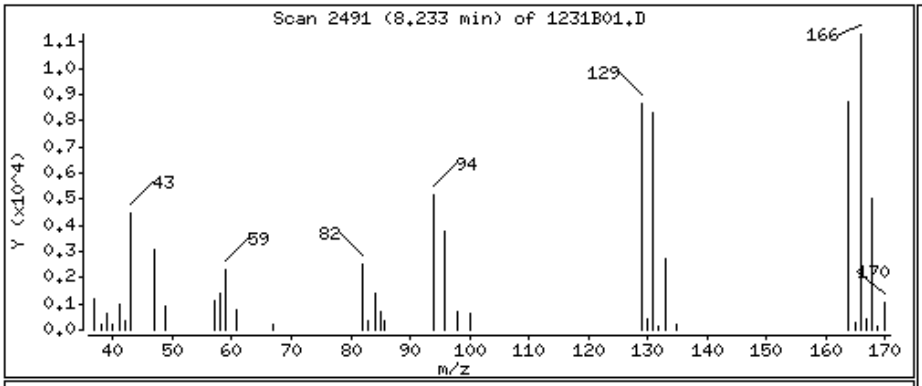
Operator: PD

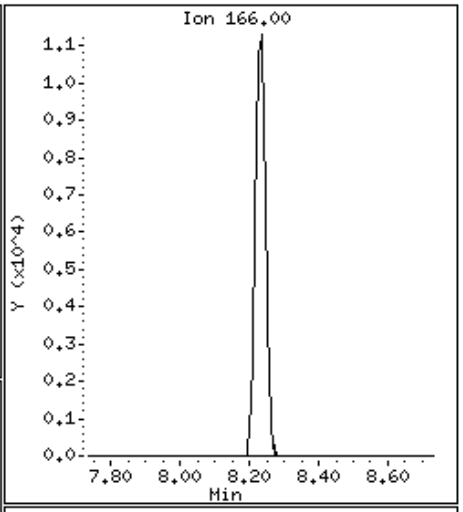
Column phase:

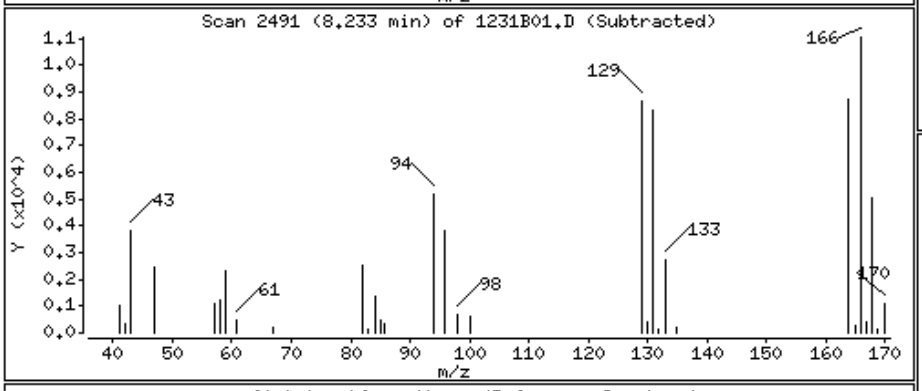
Column diameter: 0.18

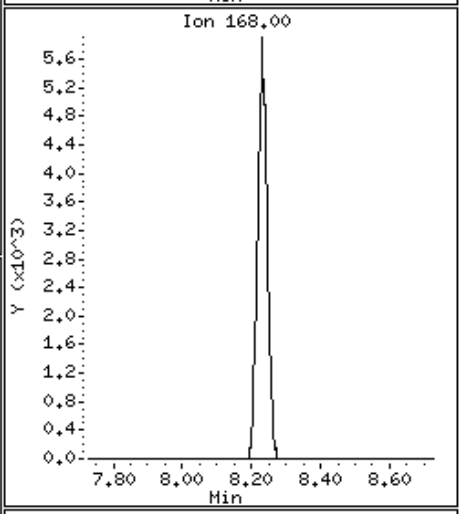
61 tetrachloroethene

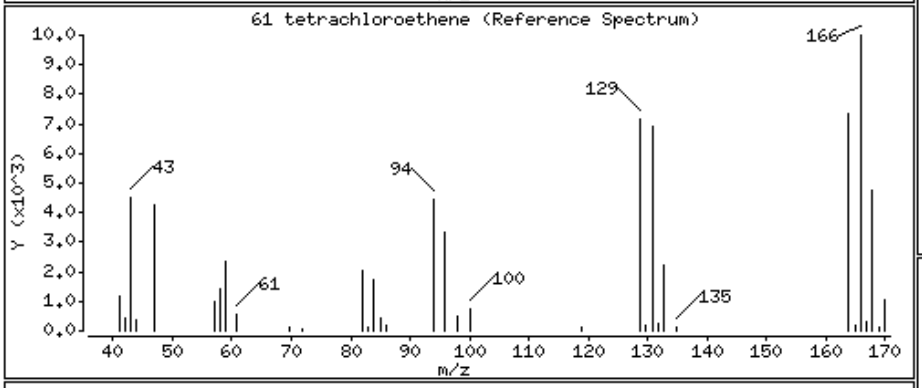
Concentration: 100.703 ngs

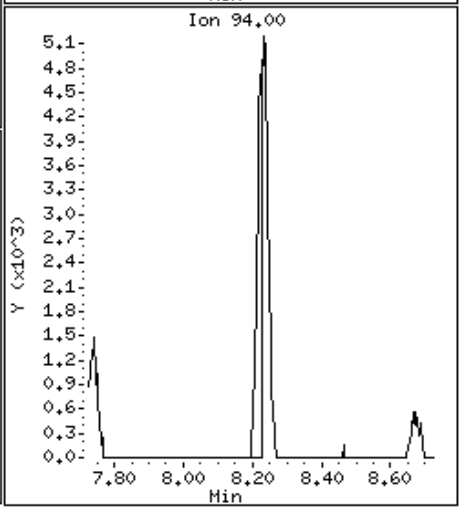


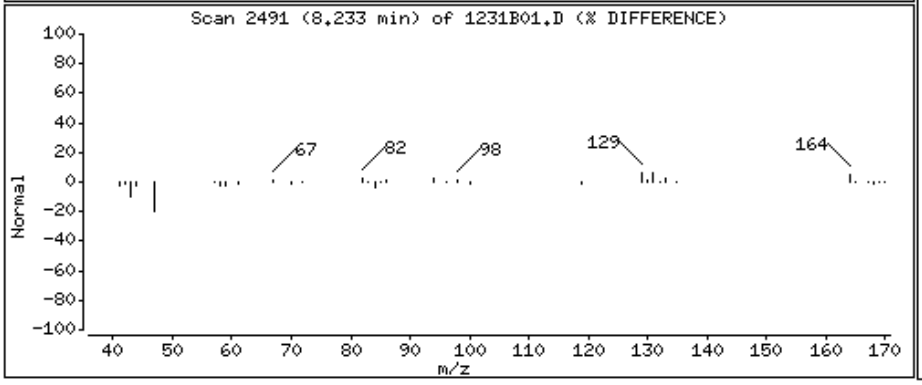












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

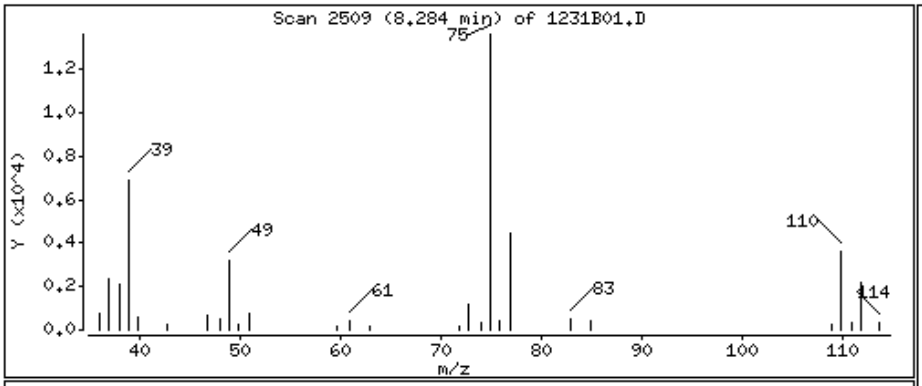
Operator: PD

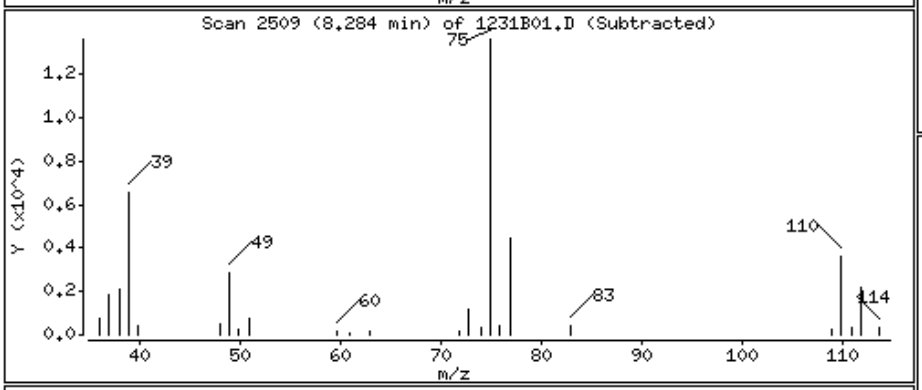
Column phase:

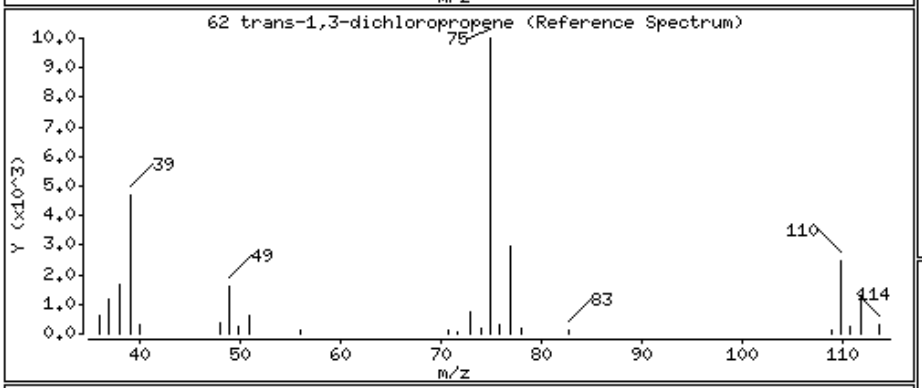
Column diameter: 0.18

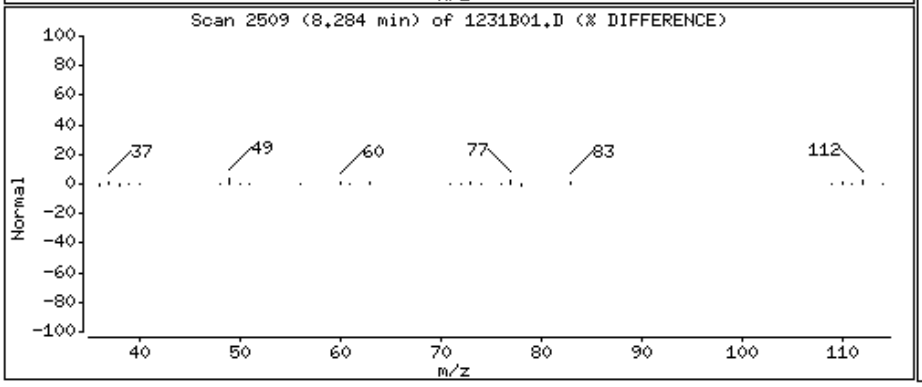
62 trans-1,3-dichloropropene

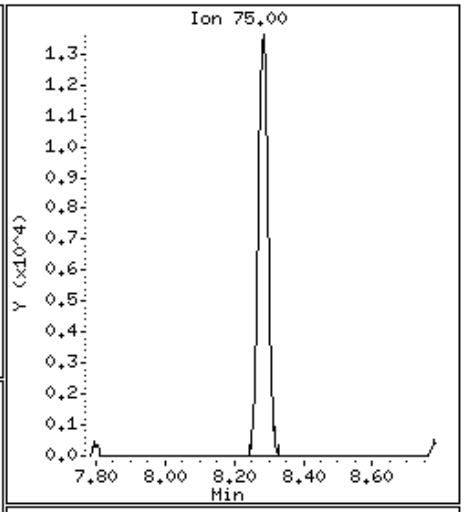
Concentration: 98.963 ngs

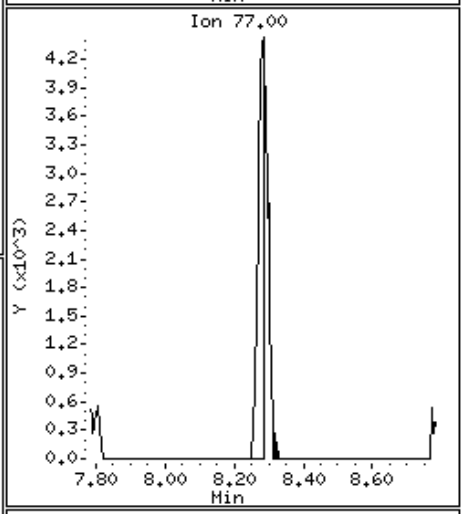


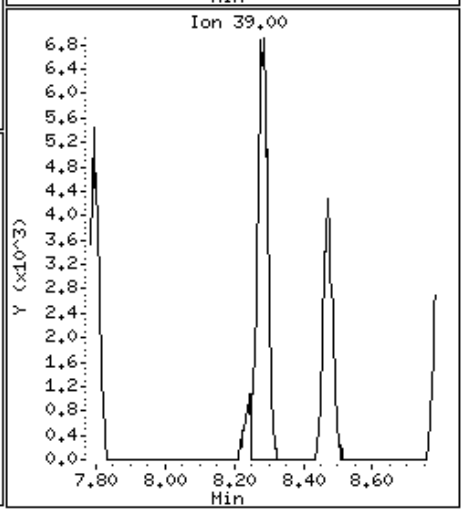












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

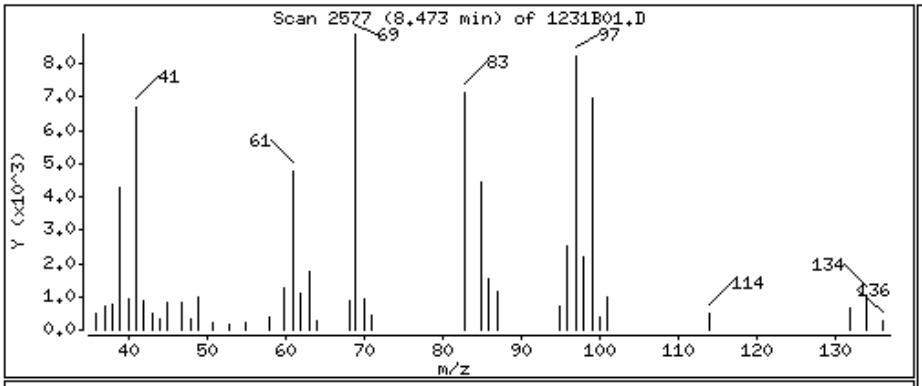
Operator: PD

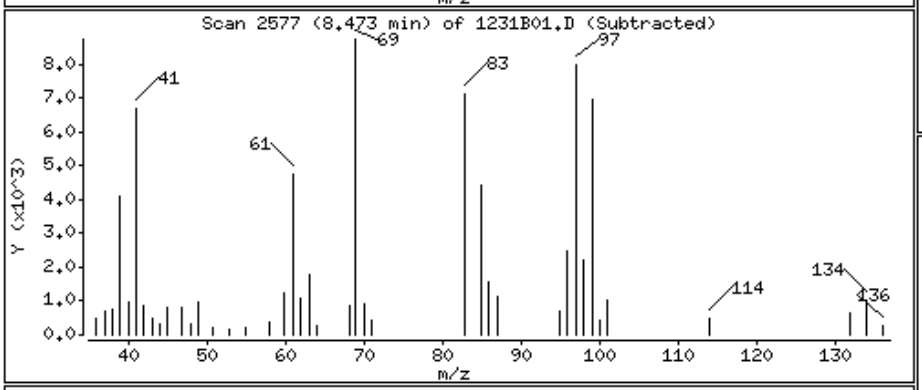
Column phase:

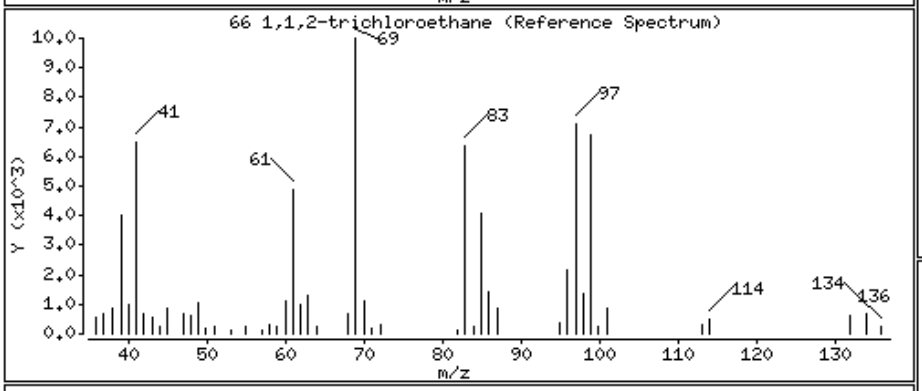
Column diameter: 0.18

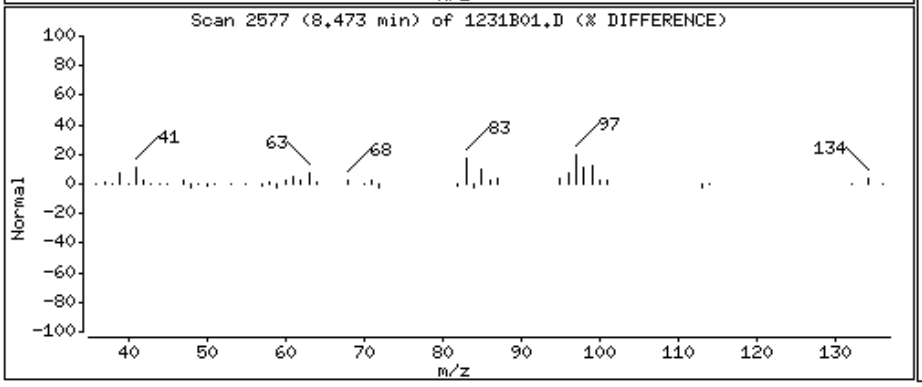
66 1,1,2-trichloroethane

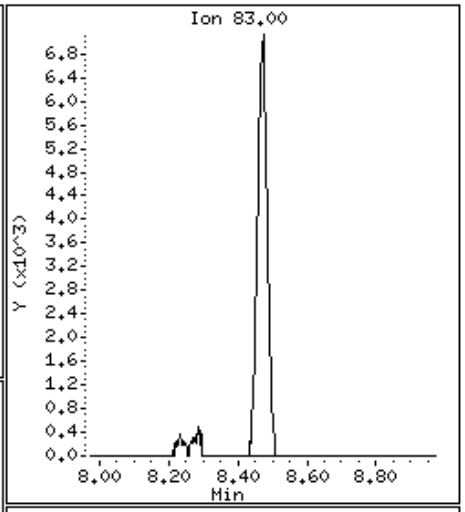
Concentration: 98.296 ngs

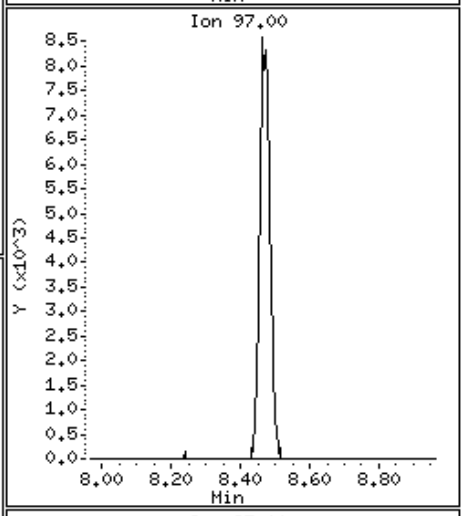


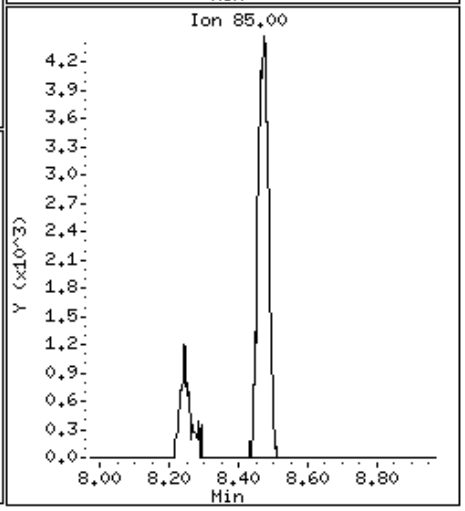












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

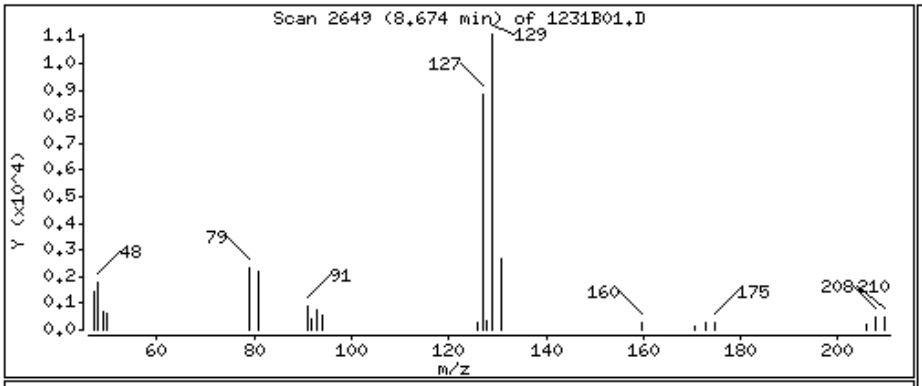
Operator: PD

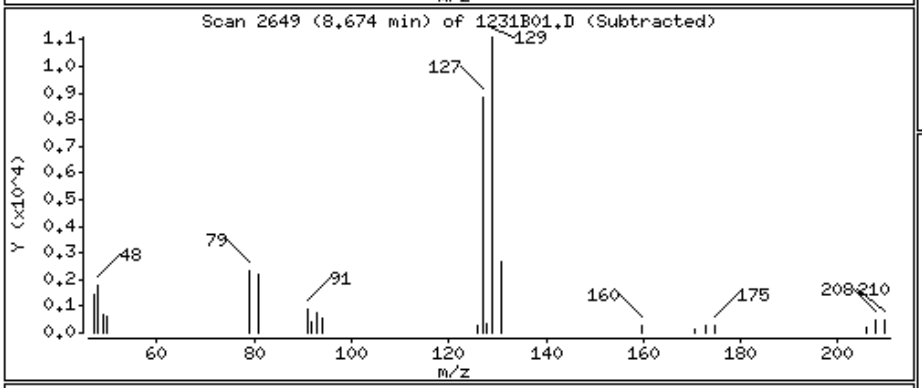
Column phase:

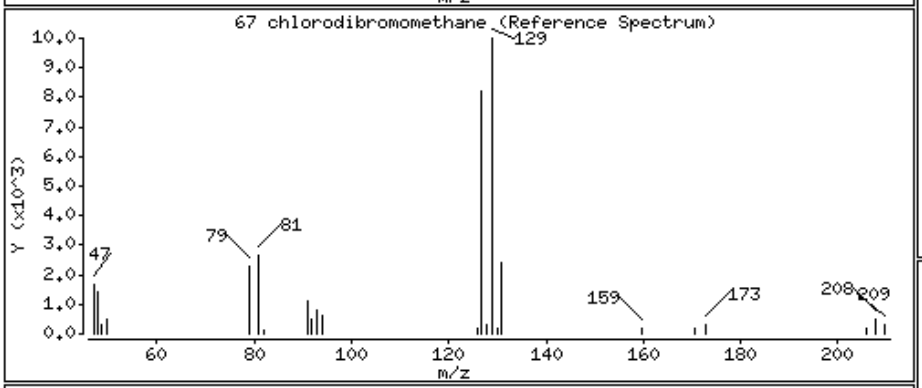
Column diameter: 0.18

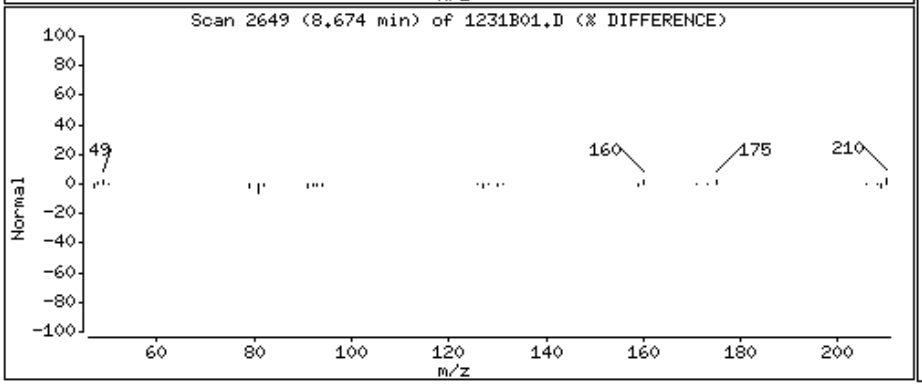
67 chlorodibromomethane

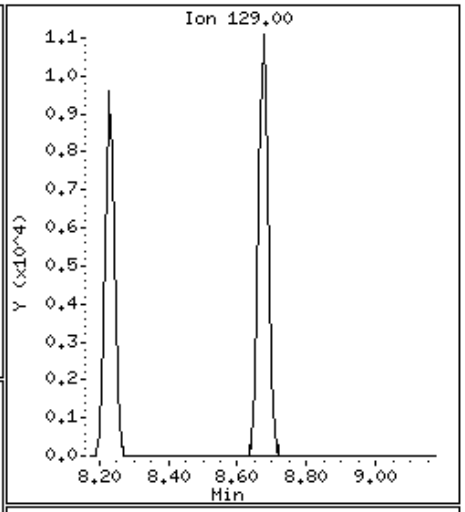
Concentration: 103.212 ngs

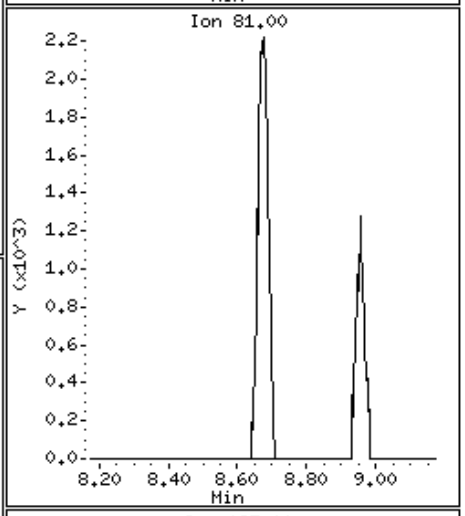


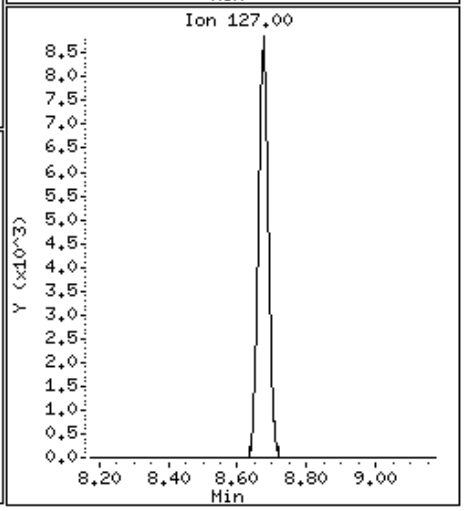












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

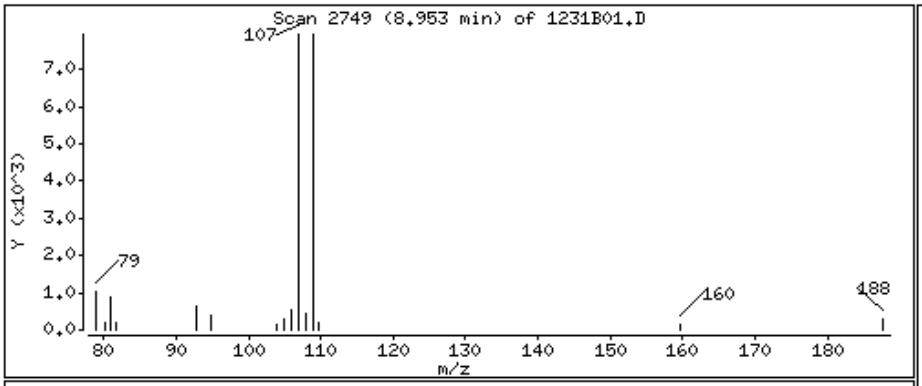
Operator: PD

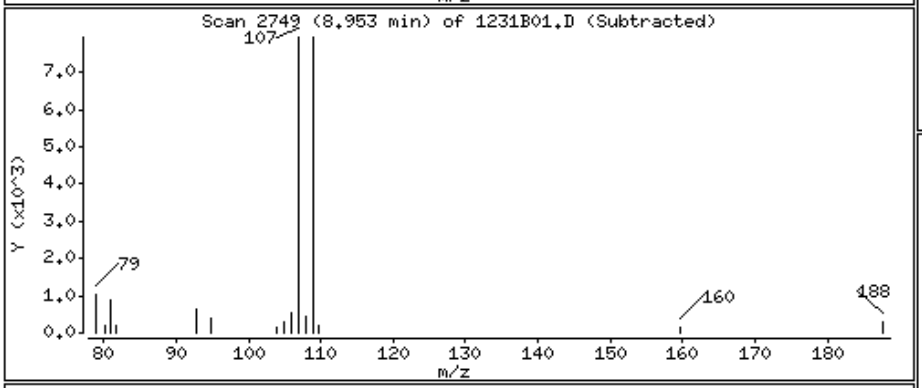
Column phase:

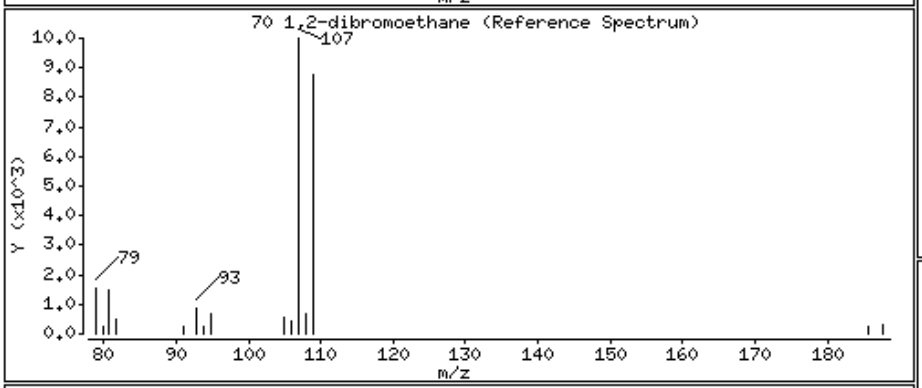
Column diameter: 0.18

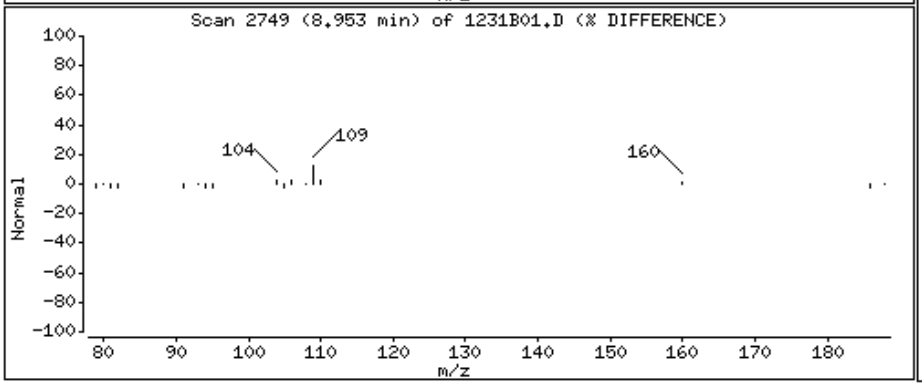
70 1,2-dibromoethane

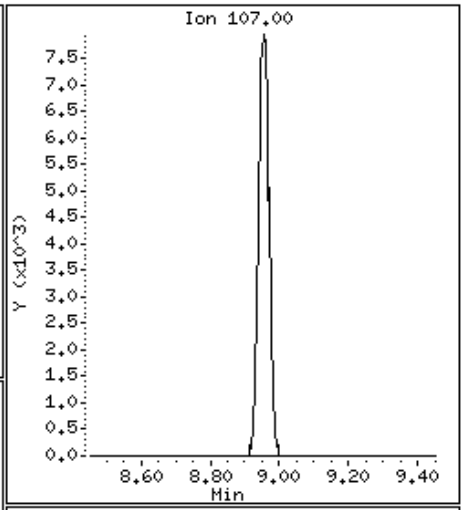
Concentration: 102.496 ngs

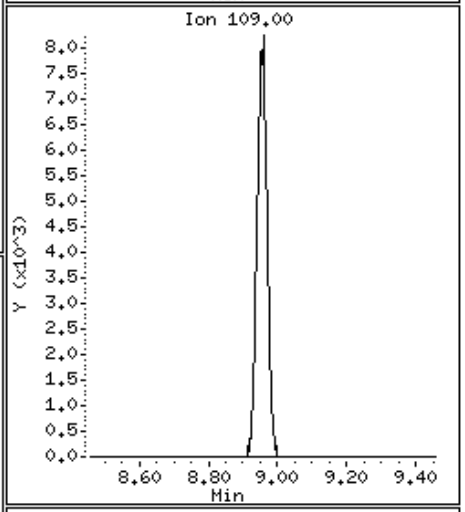


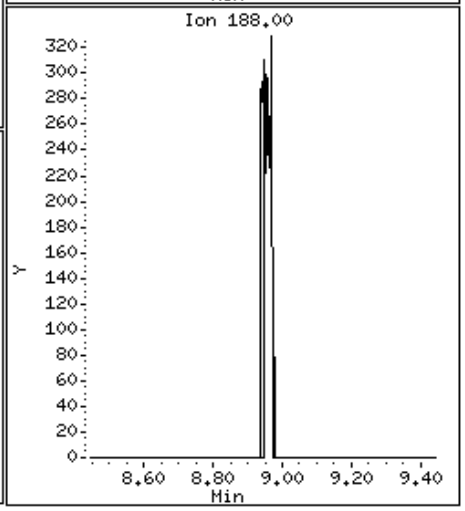












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

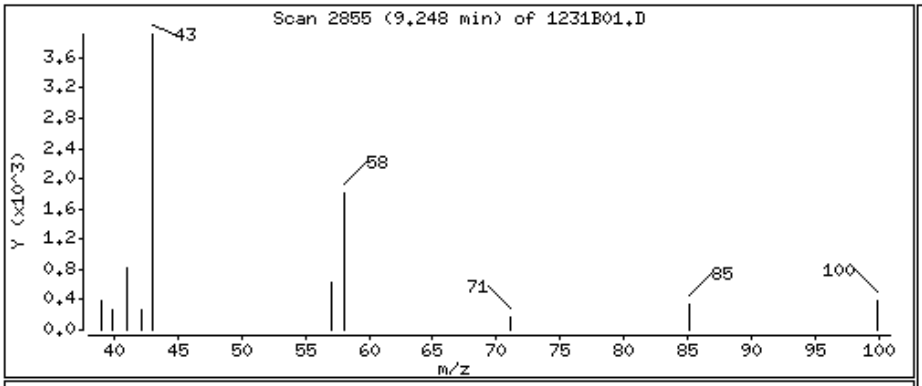
Operator: PD

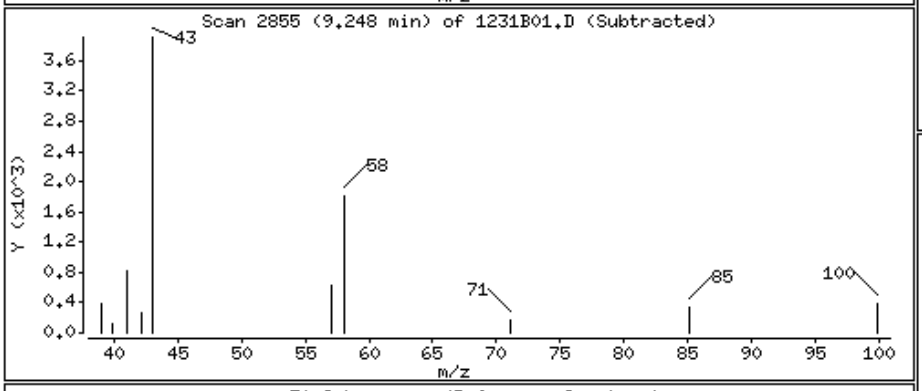
Column phase:

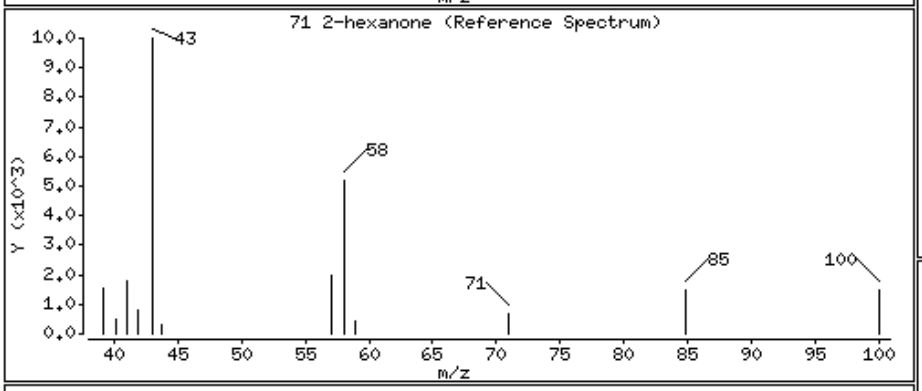
Column diameter: 0.18

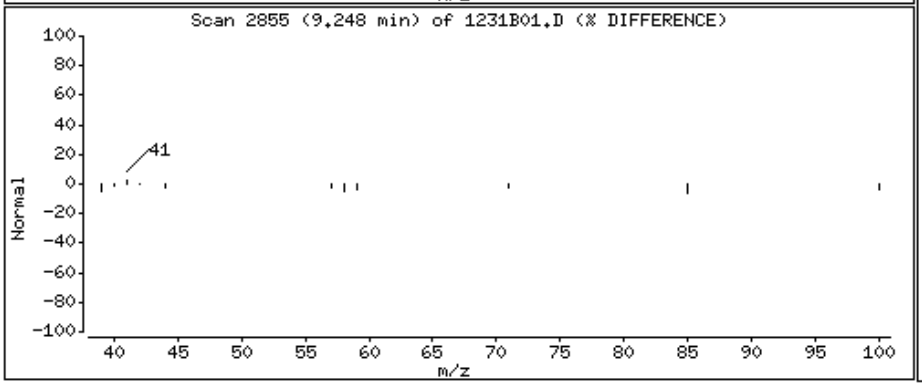
71 2-hexanone

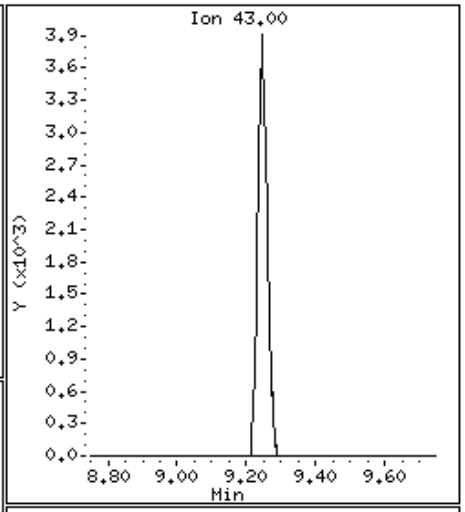
Concentration: 88.328 ngs

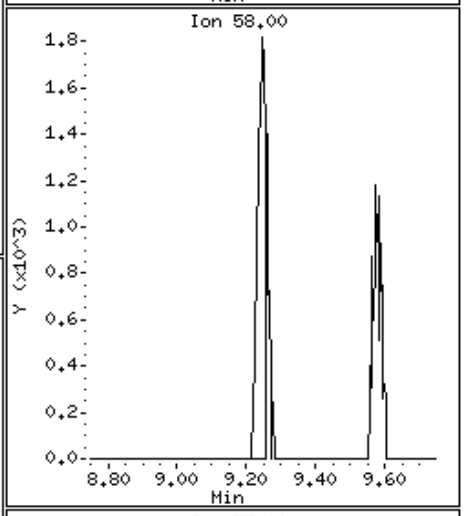


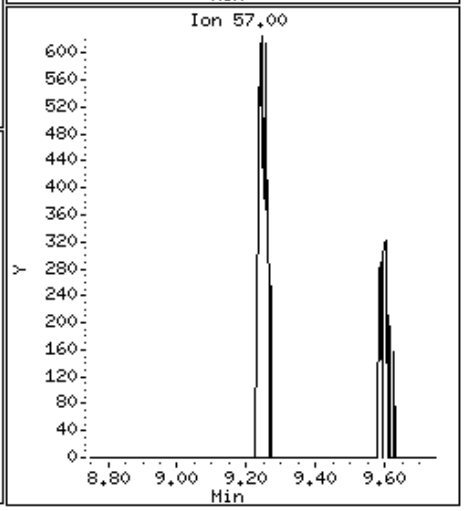












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

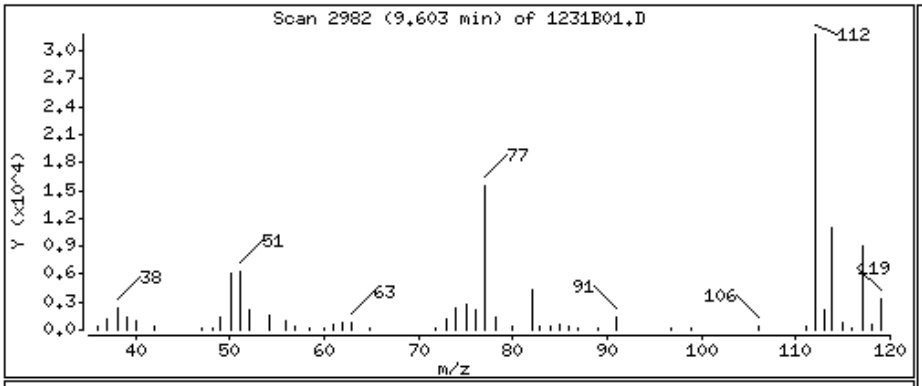
Operator: PD

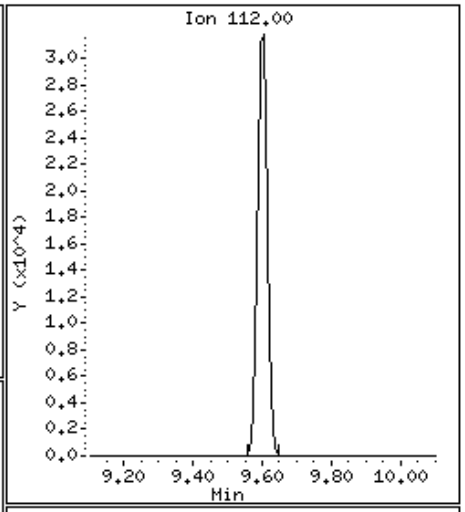
Column phase:

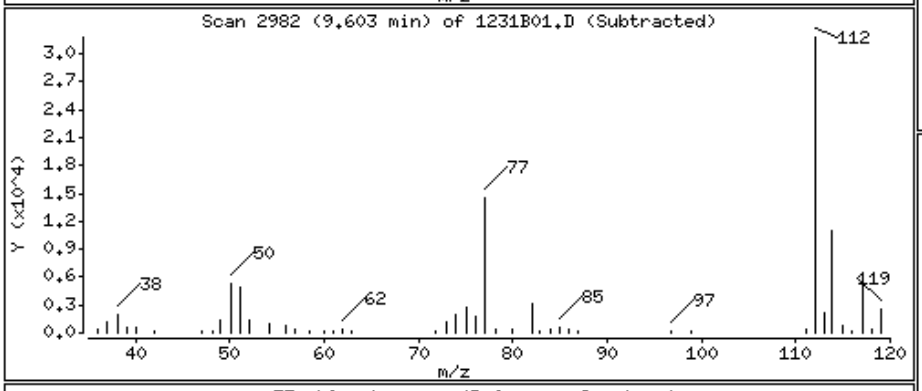
Column diameter: 0.18

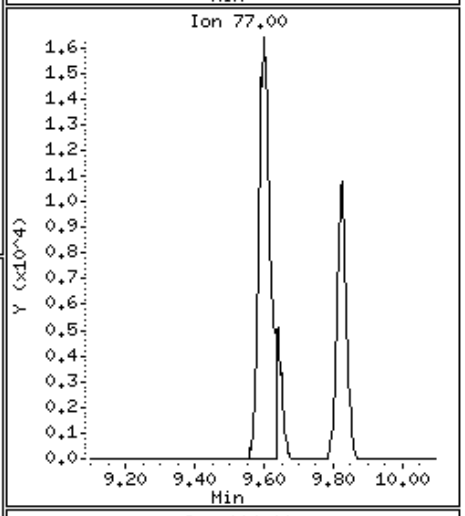
73 chlorobenzene

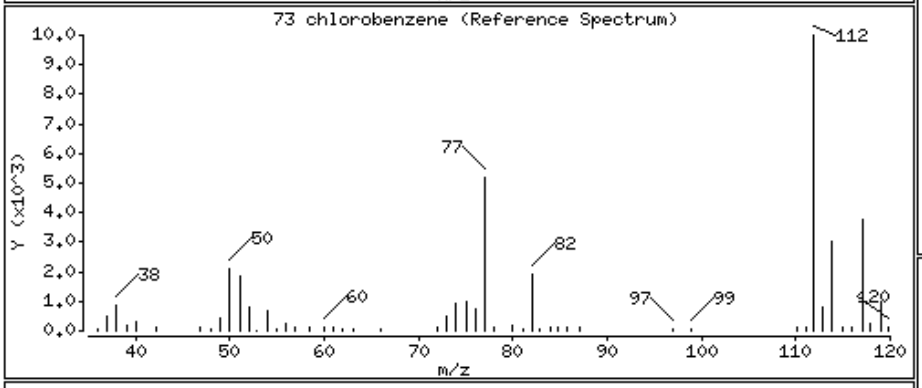
Concentration: 99.580 ngs

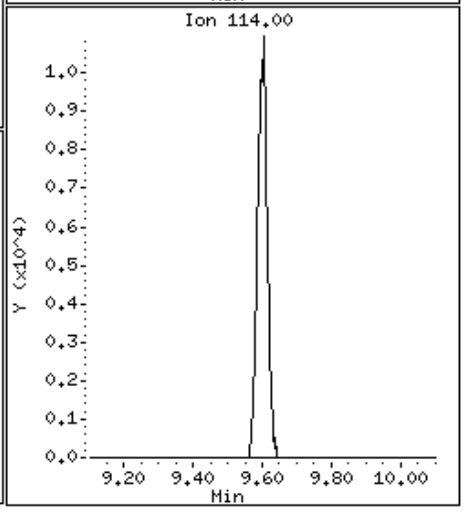


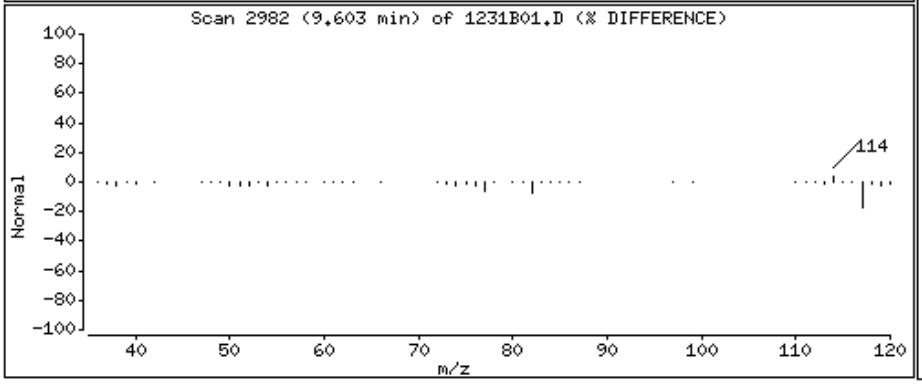












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

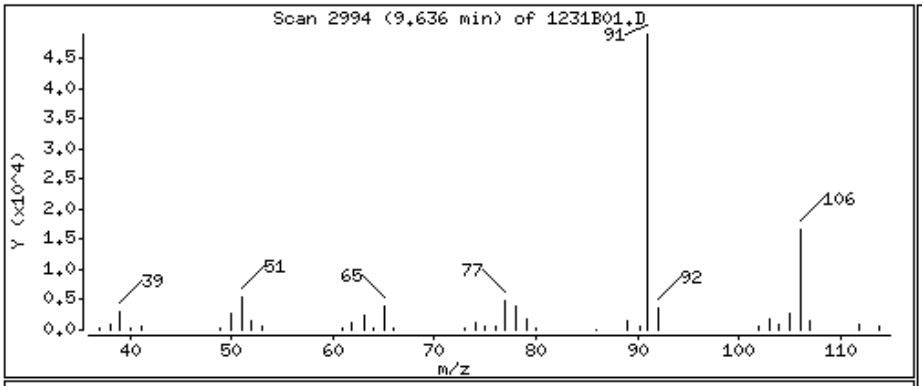
Operator: PD

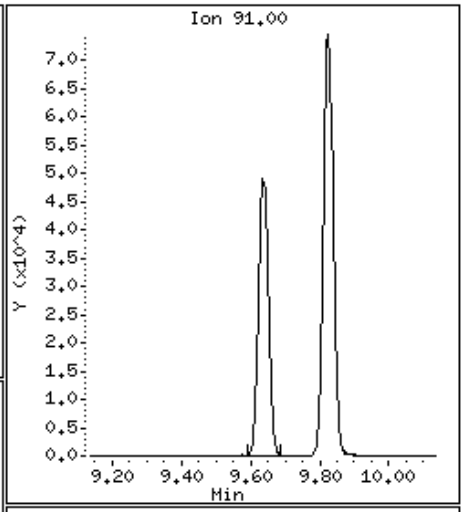
Column phase:

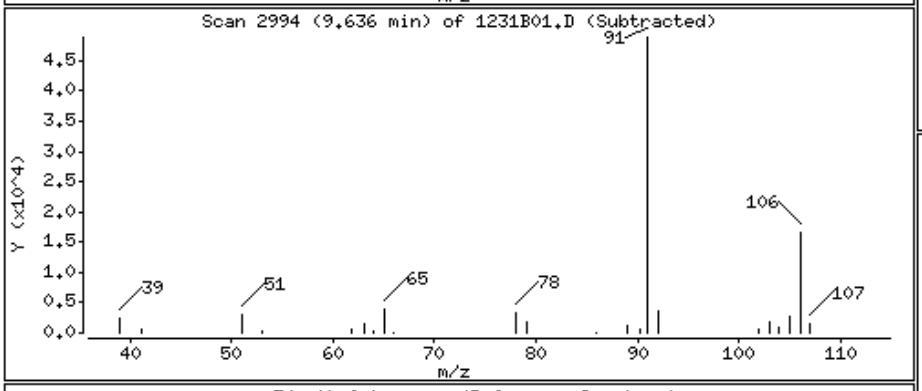
Column diameter: 0.18

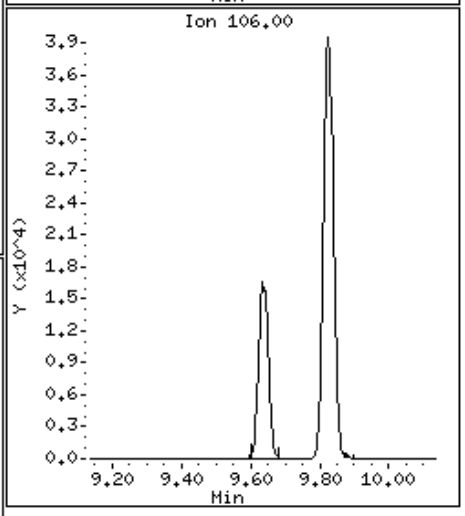
74 ethyl benzene

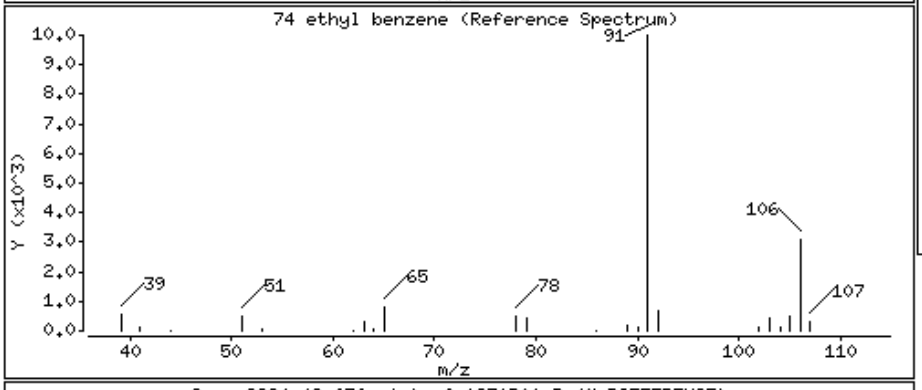
Concentration: 93.145 ngs

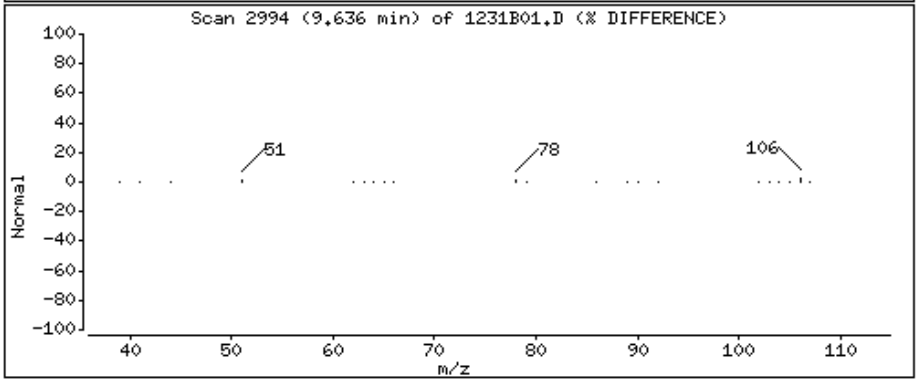












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

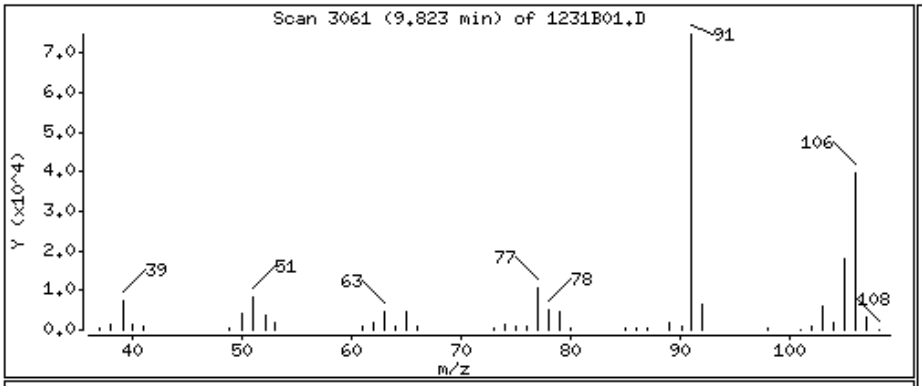
Operator: PD

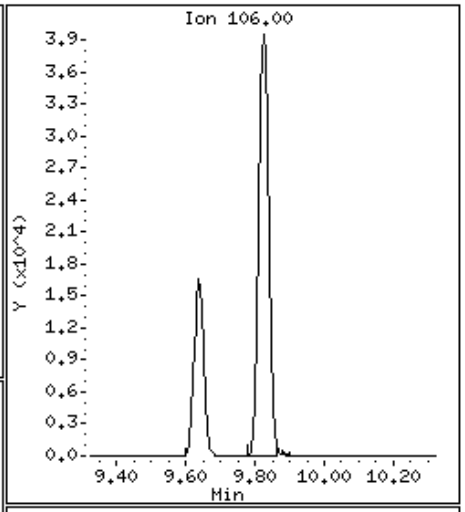
Column phase:

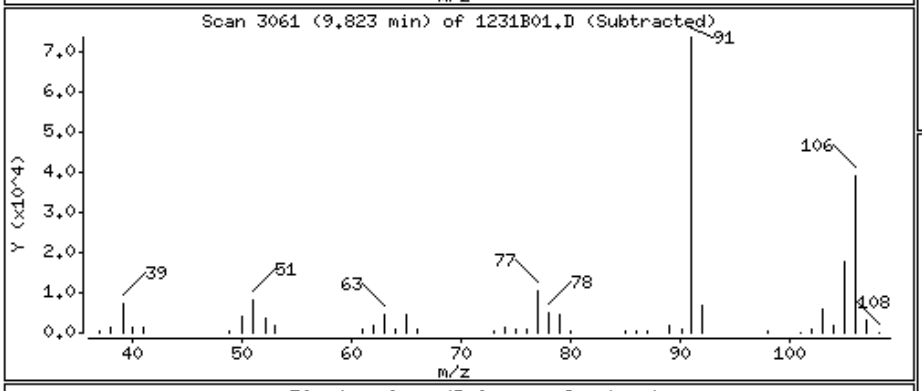
Column diameter: 0.18

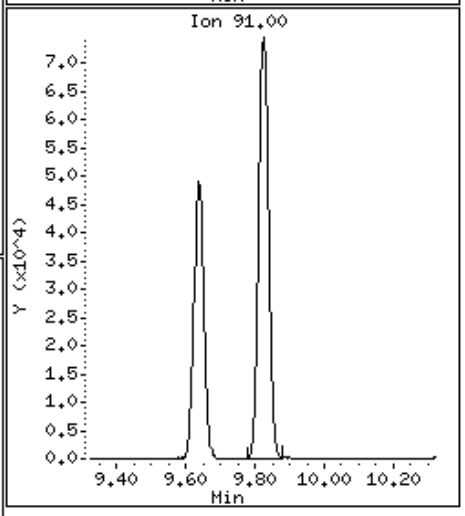
76 p/m xylene

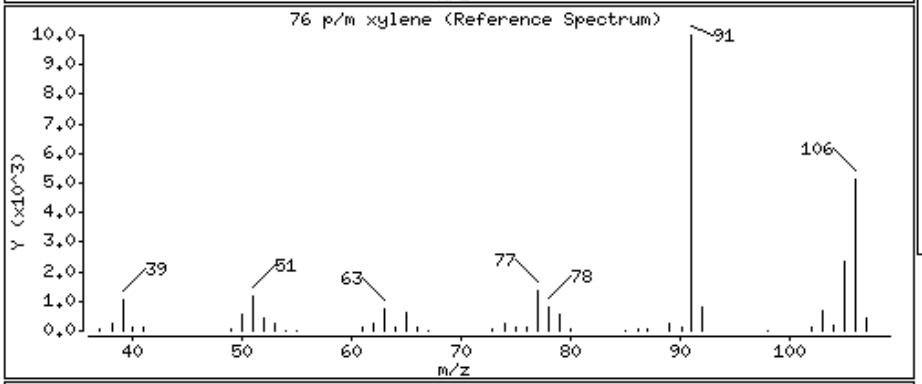
Concentration: 182.785 ngs

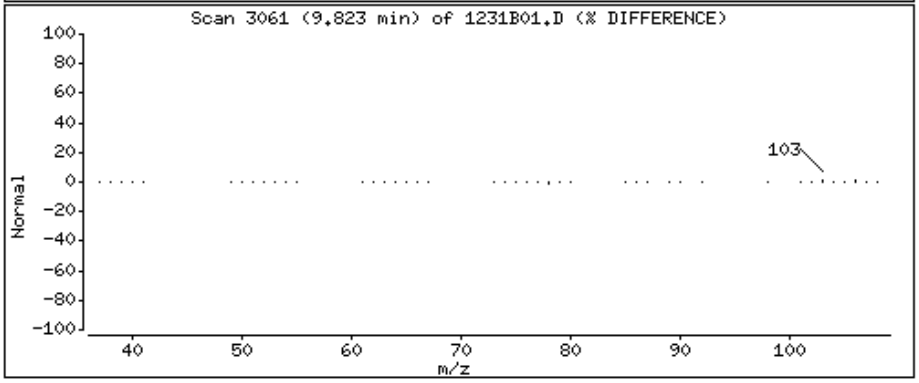












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

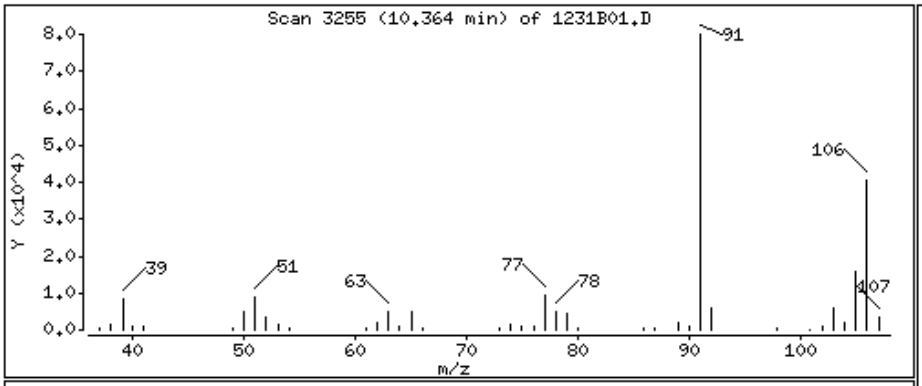
Operator: PD

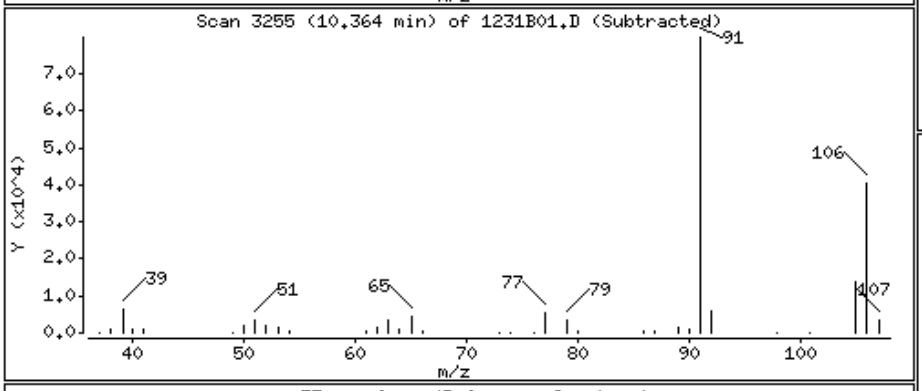
Column phase:

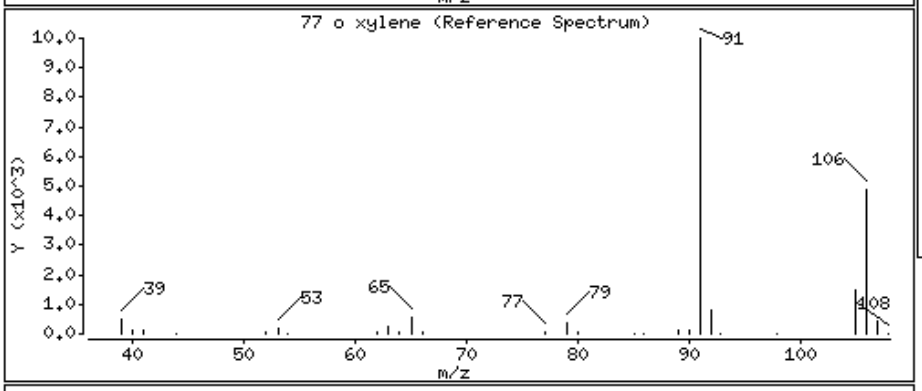
Column diameter: 0.18

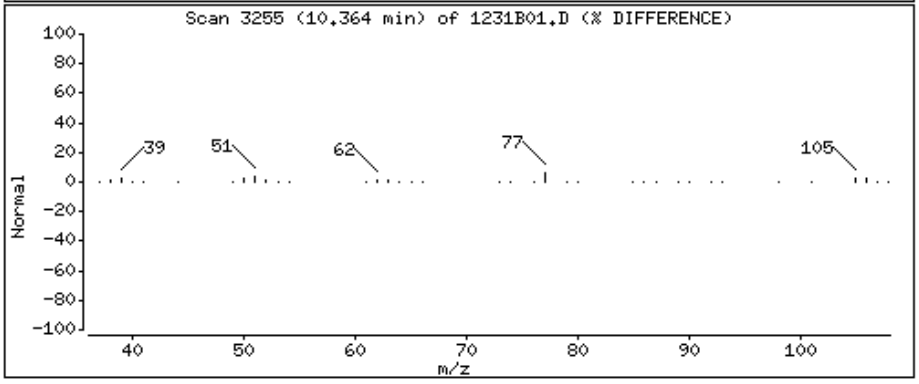
77 o xylene

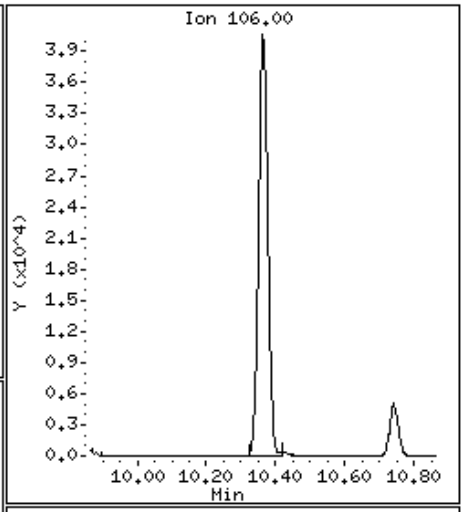
Concentration: 171.862 ngs

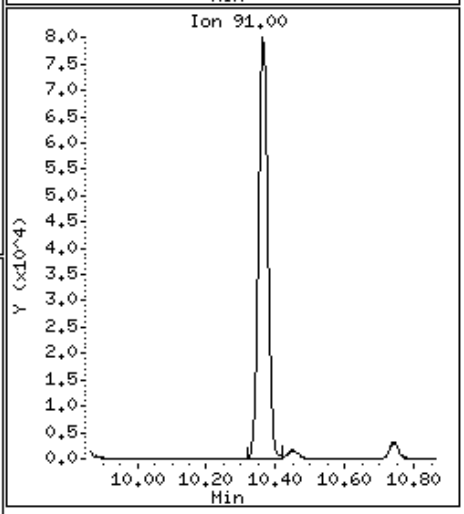












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

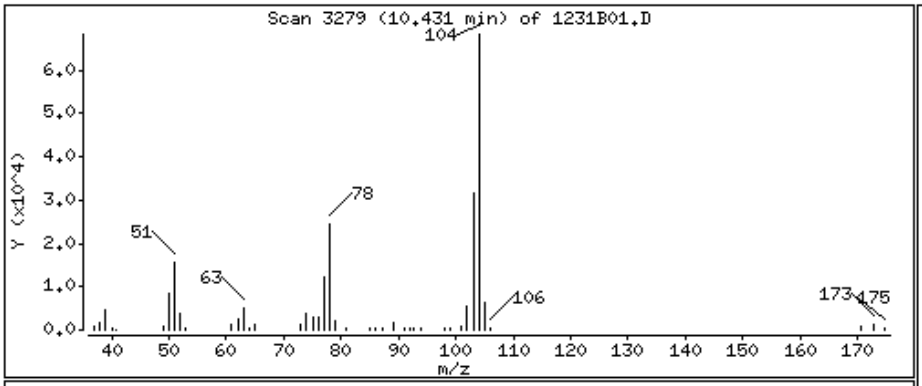
Operator: PD

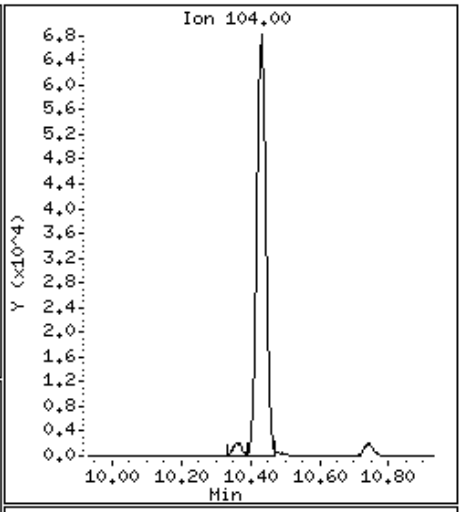
Column phase:

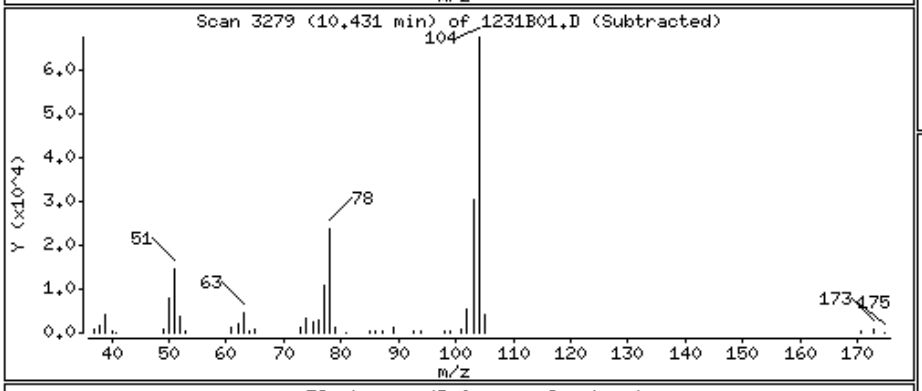
Column diameter: 0.18

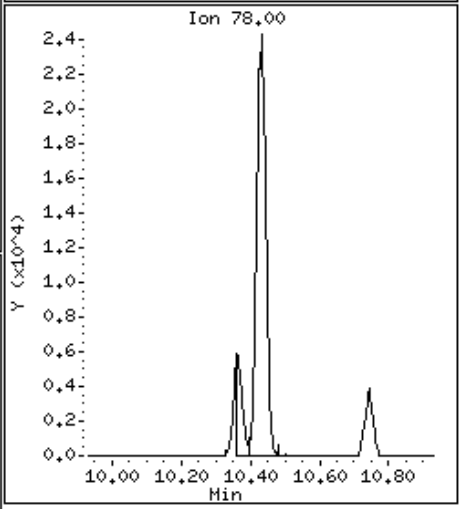
78 styrene

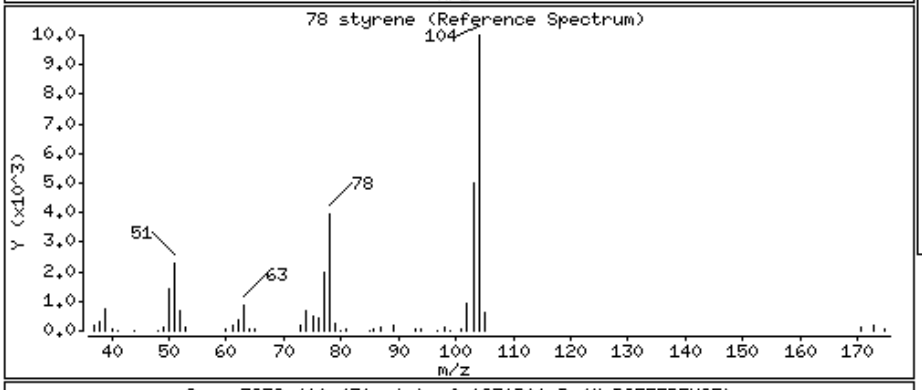
Concentration: 175.253 ngs

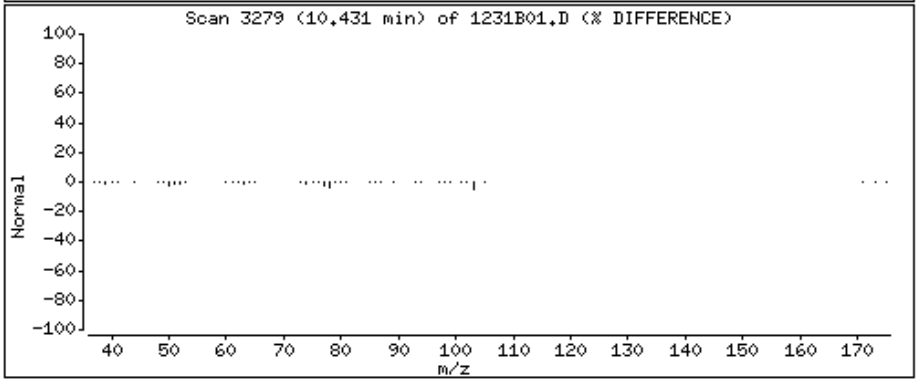












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

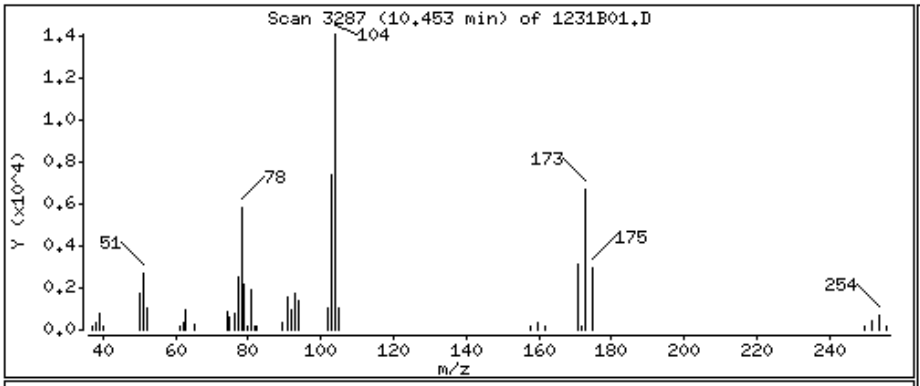
Operator: PD

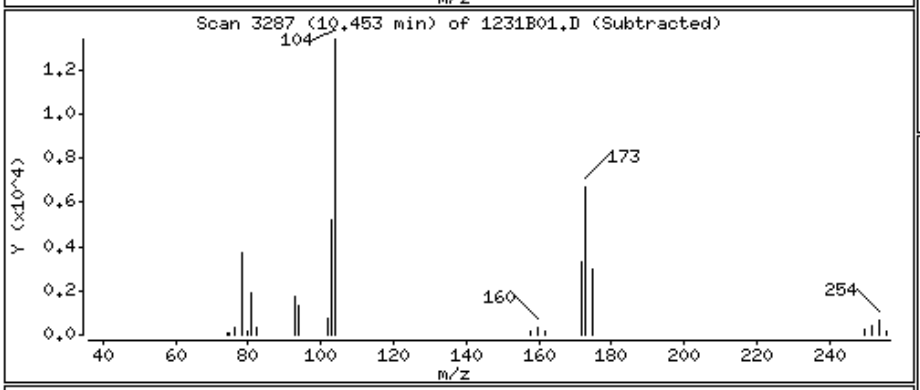
Column phase:

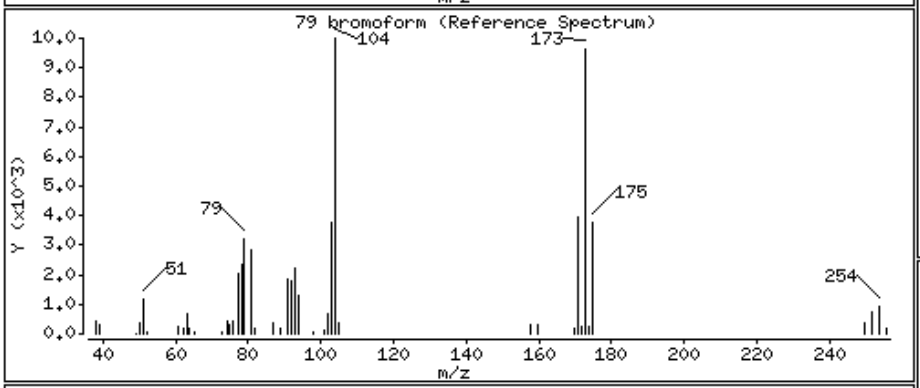
Column diameter: 0.18

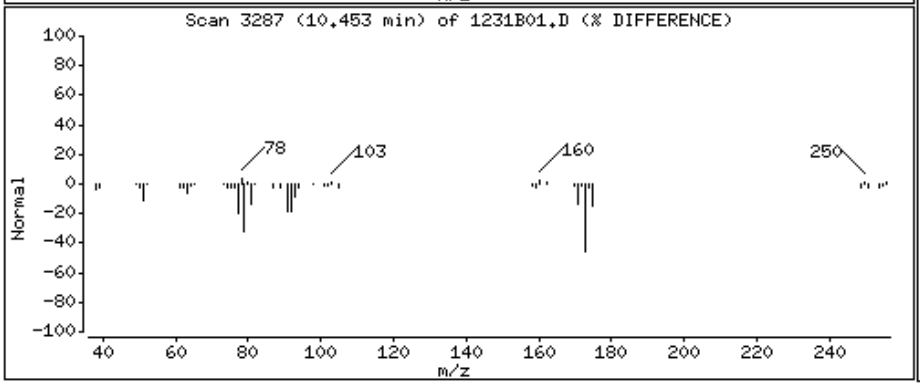
79 bromoform

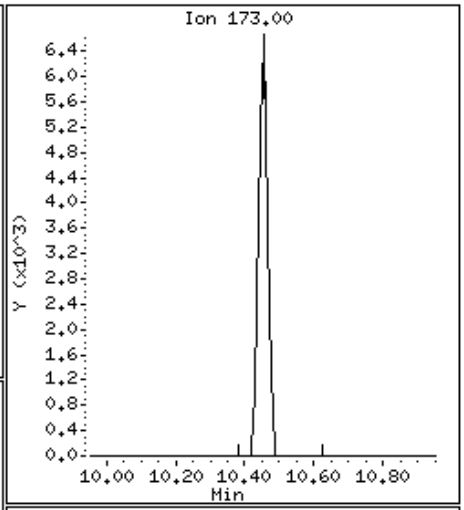
Concentration: 86.034 ngs

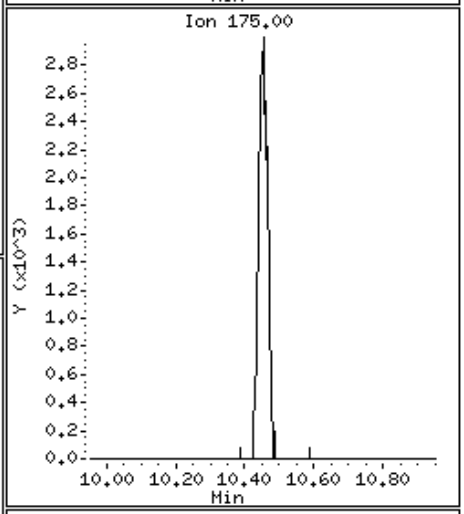


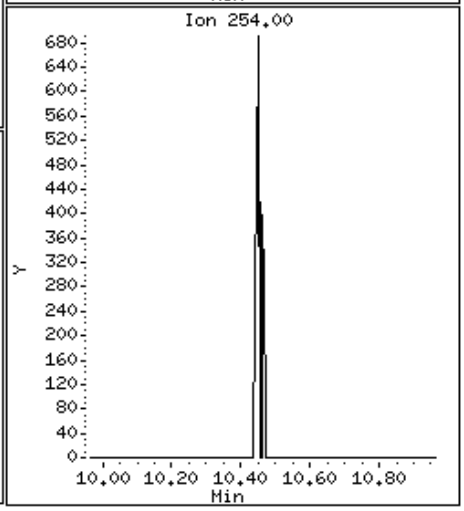












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

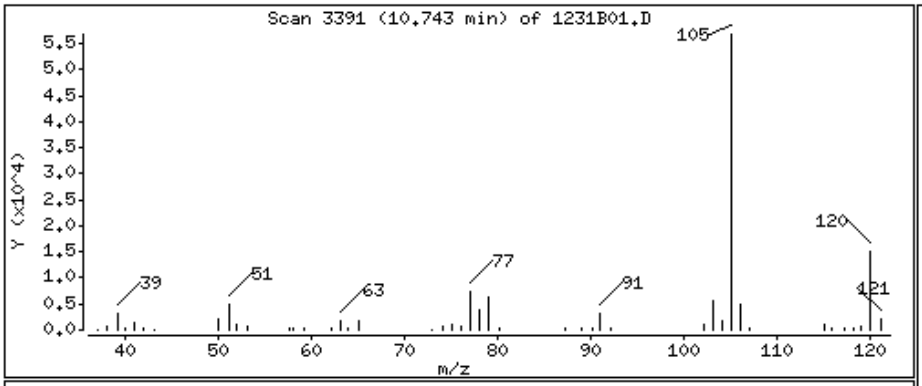
Operator: PD

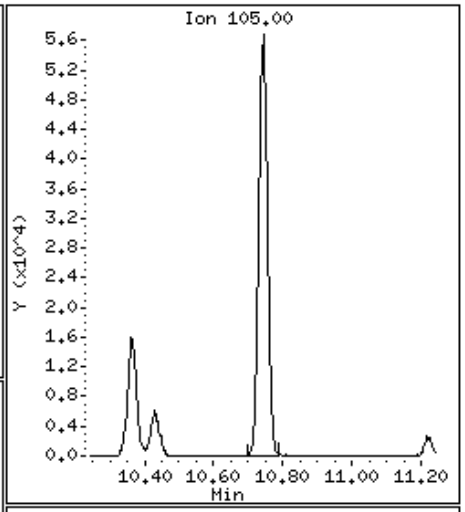
Column phase:

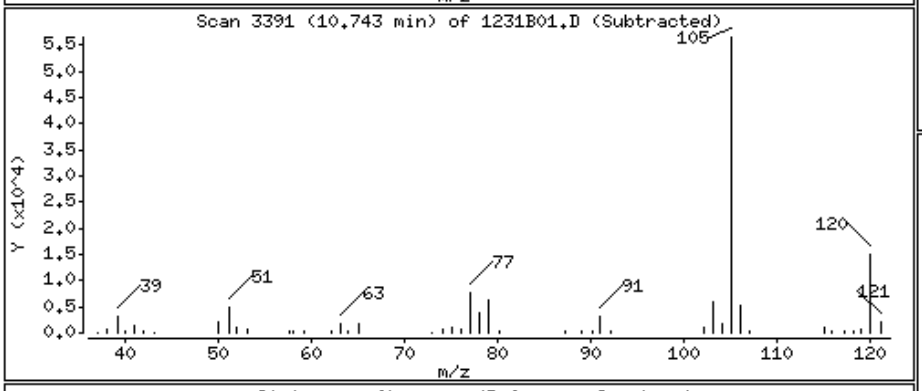
Column diameter: 0.18

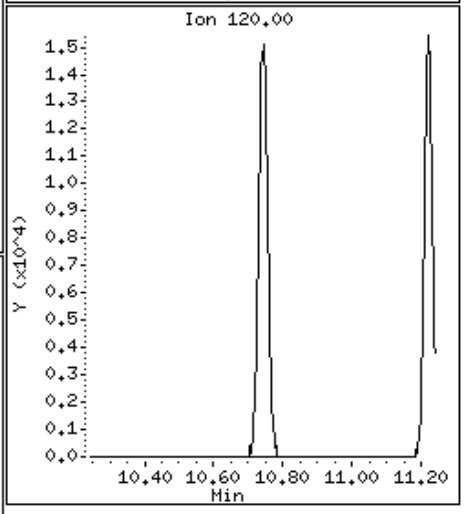
80 isopropylbenzene

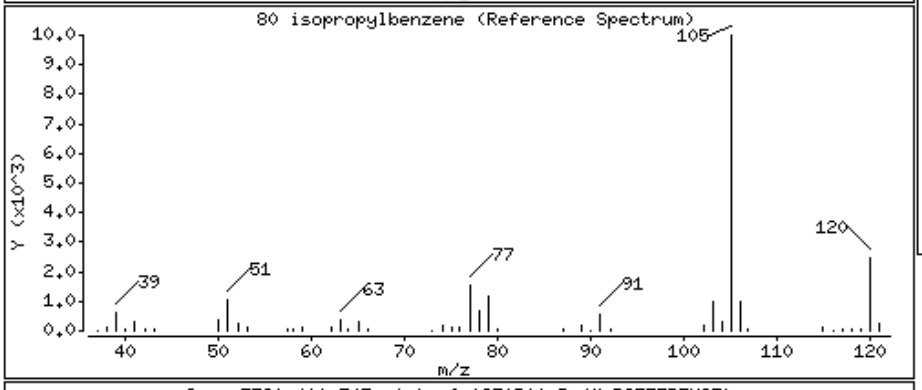
Concentration: 93.924 ngs

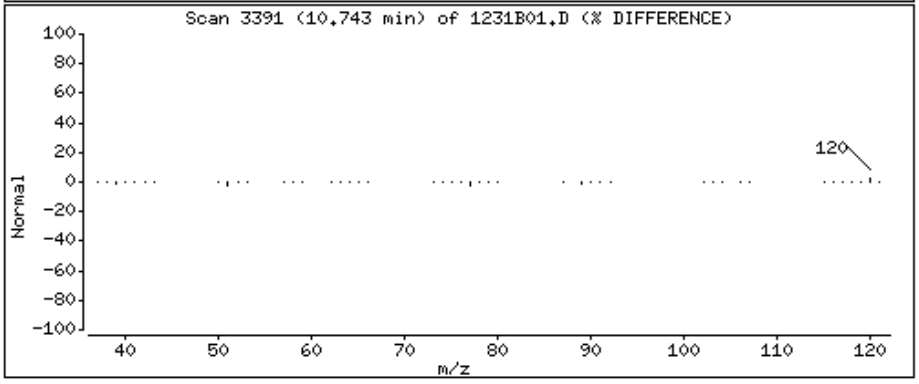












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

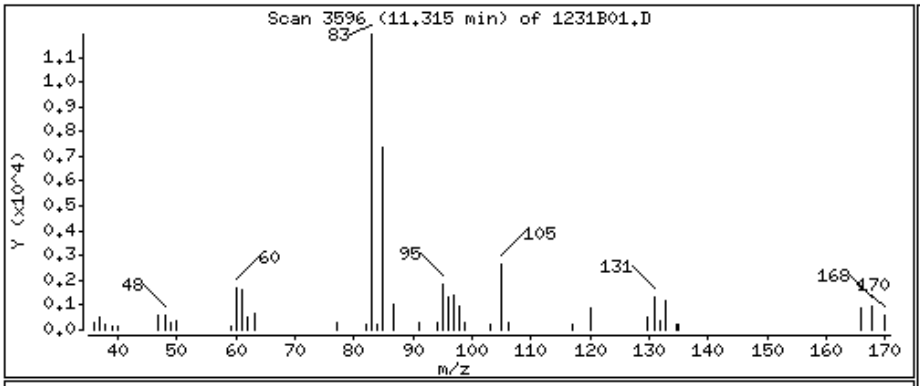
Operator: PD

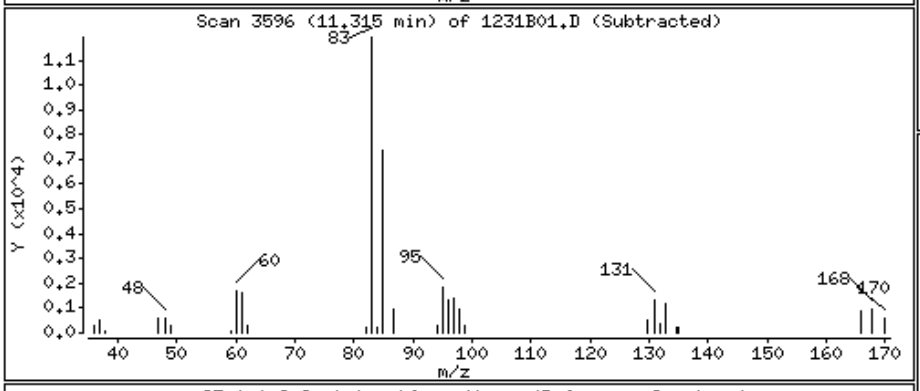
Column phase:

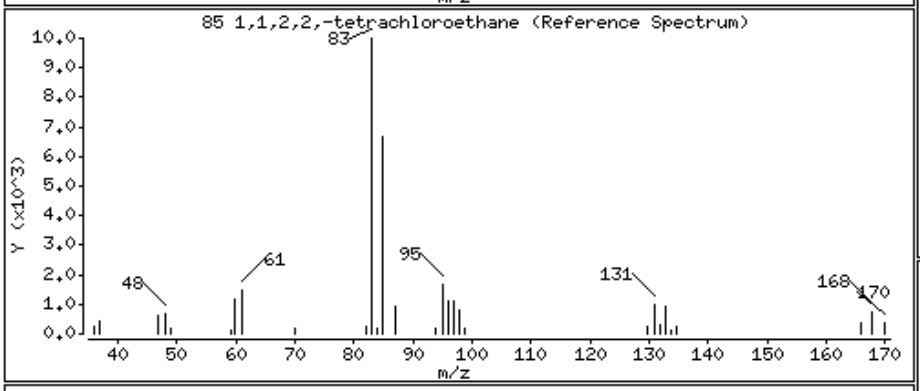
Column diameter: 0.18

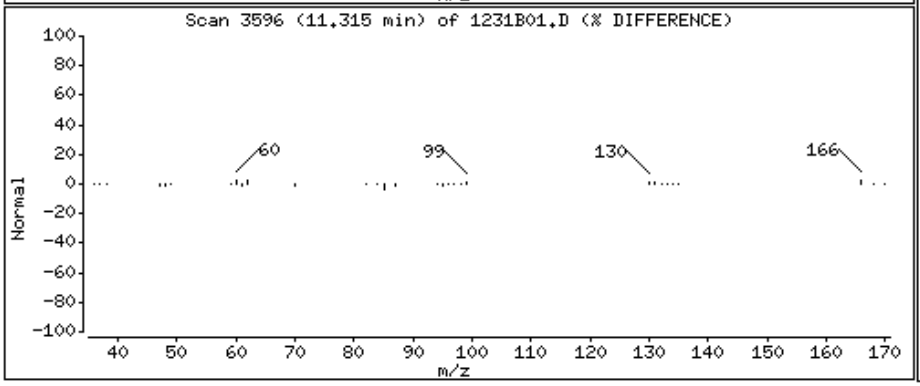
85 1,1,2,2,-tetrachloroethane

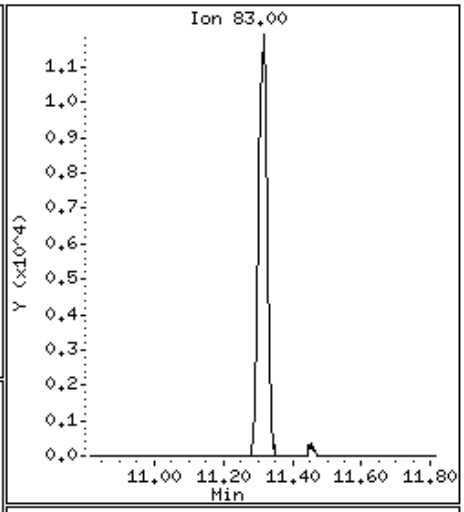
Concentration: 106.691 ngs

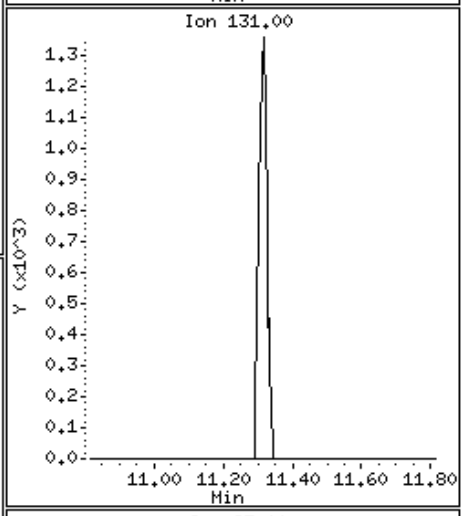


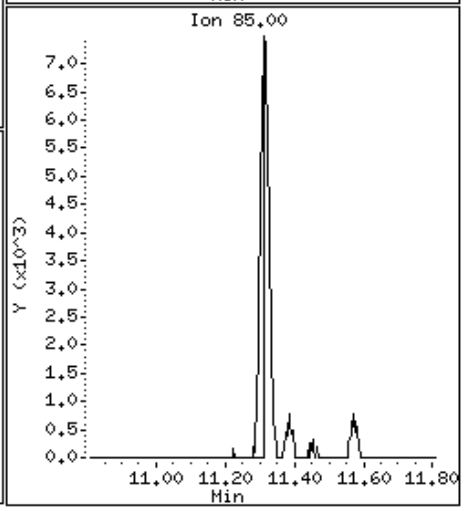












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

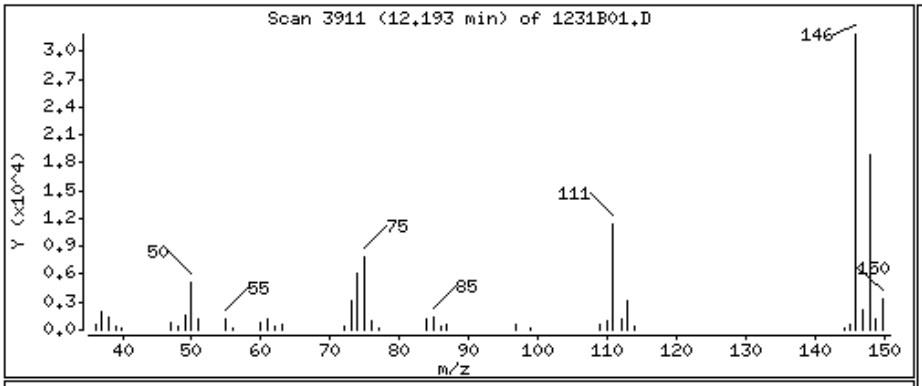
Operator: PD

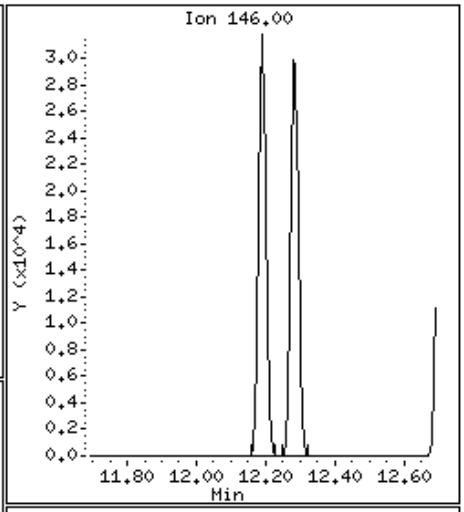
Column phase:

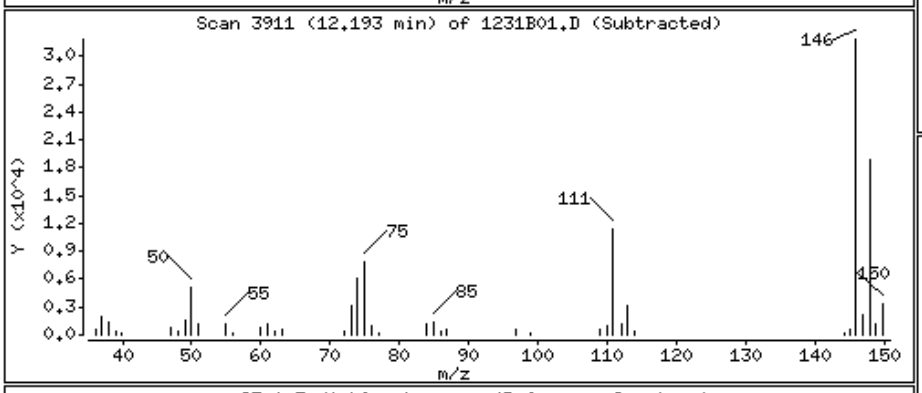
Column diameter: 0.18

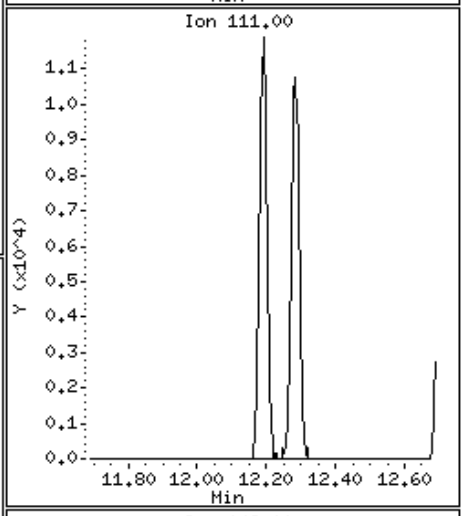
97 1,3-dichlorobenzene

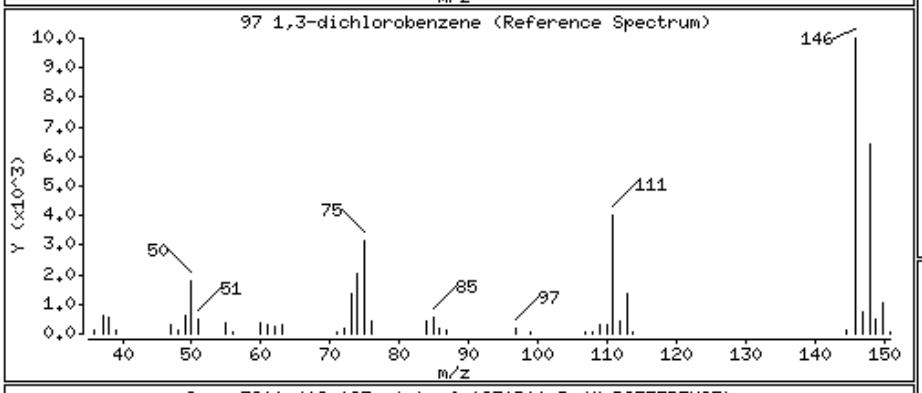
Concentration: 95.727 ngs

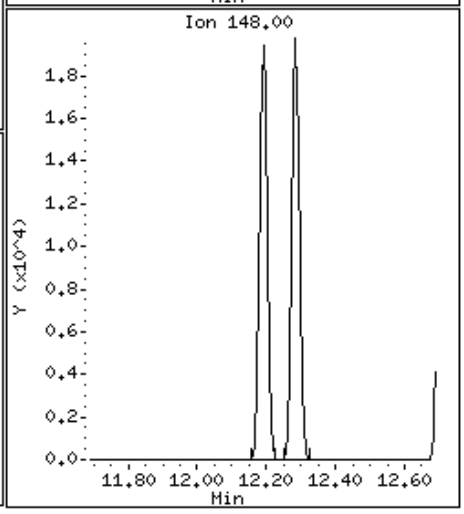


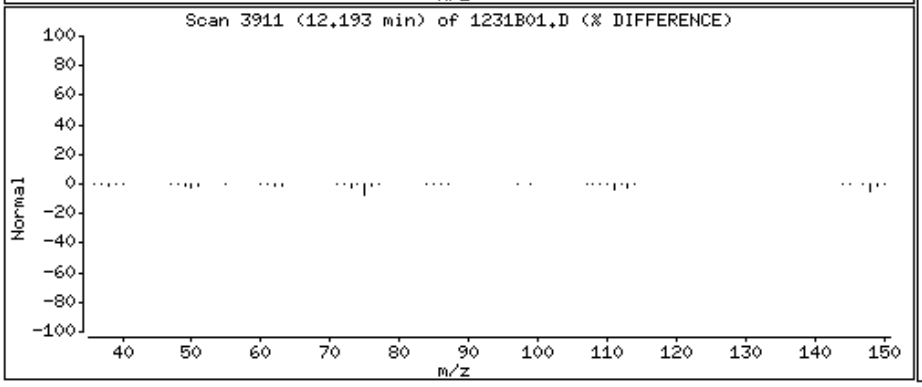












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

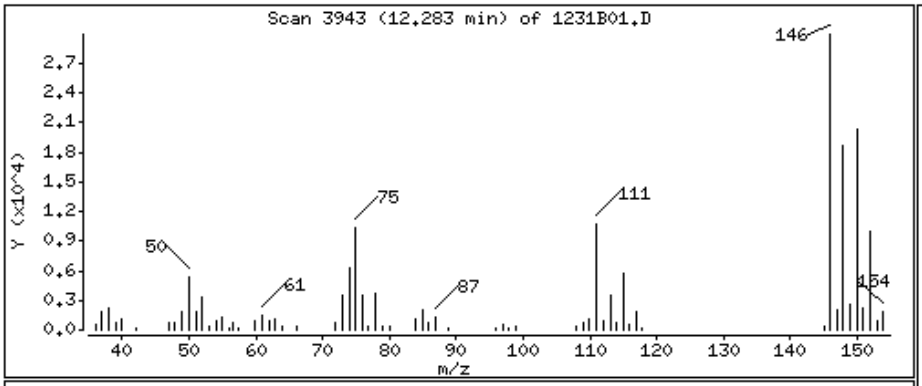
Operator: PD

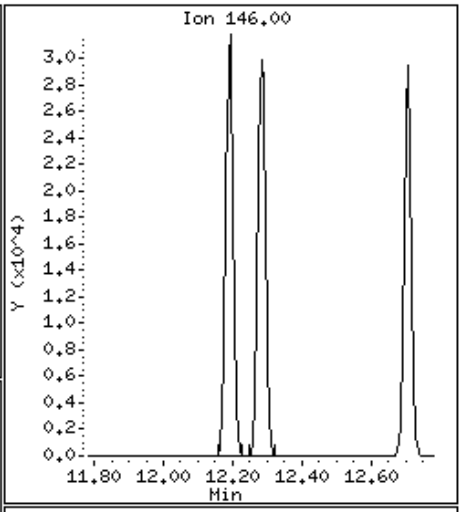
Column phase:

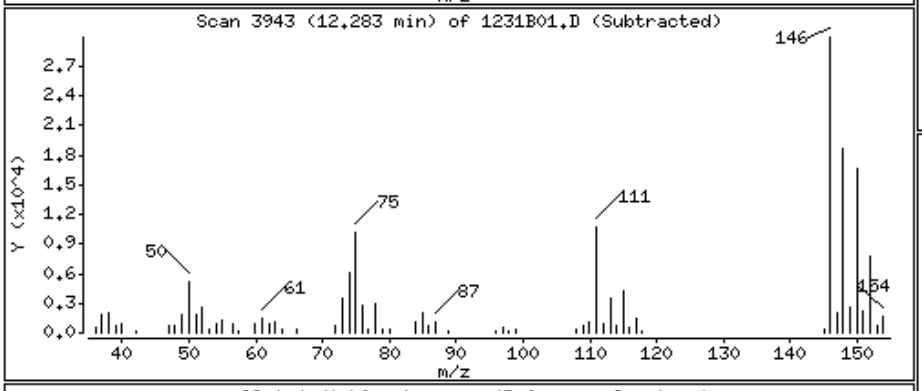
Column diameter: 0.18

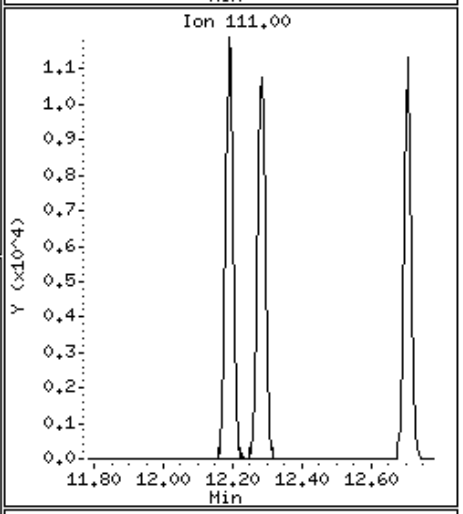
99 1,4-dichlorobenzene

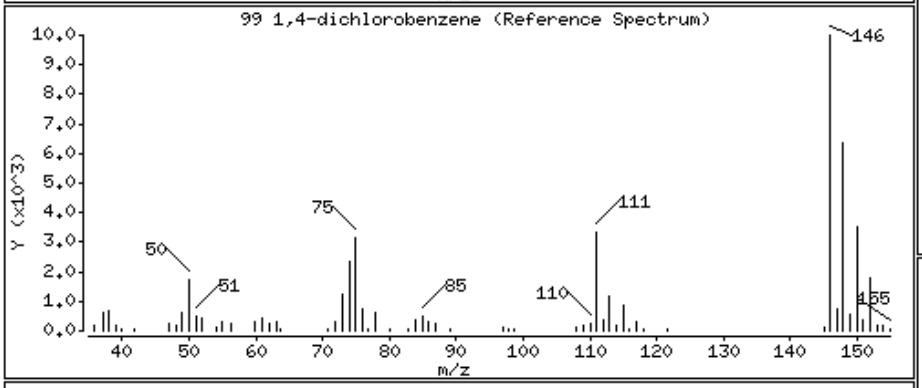
Concentration: 95.802 ngs

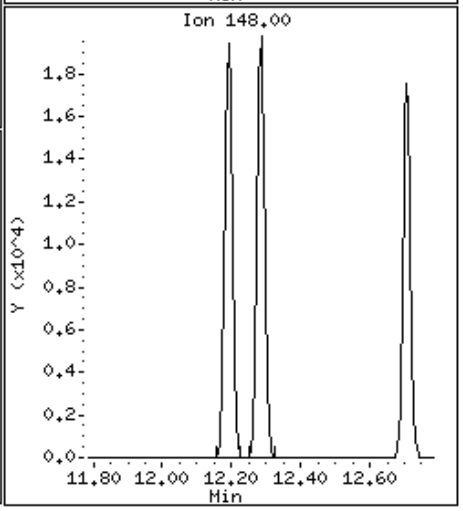


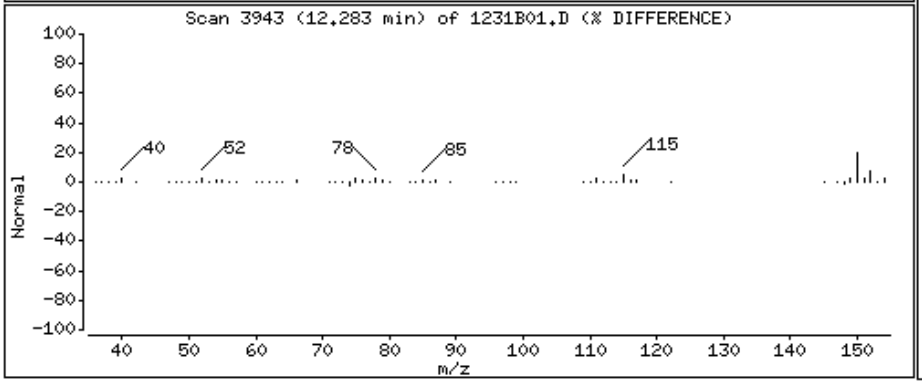












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

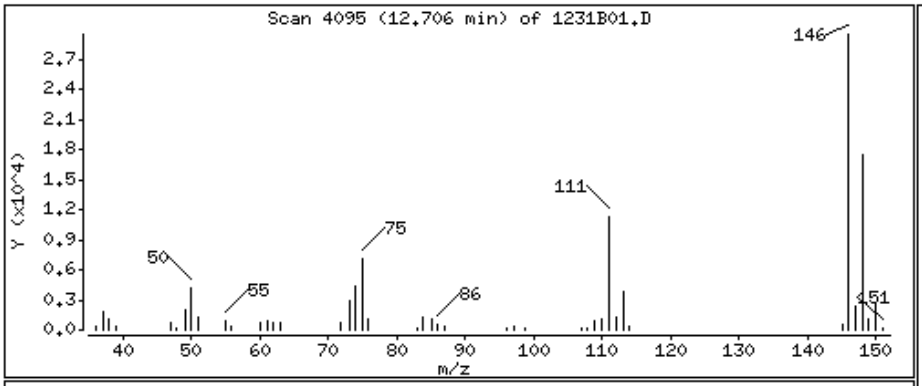
Operator: PD

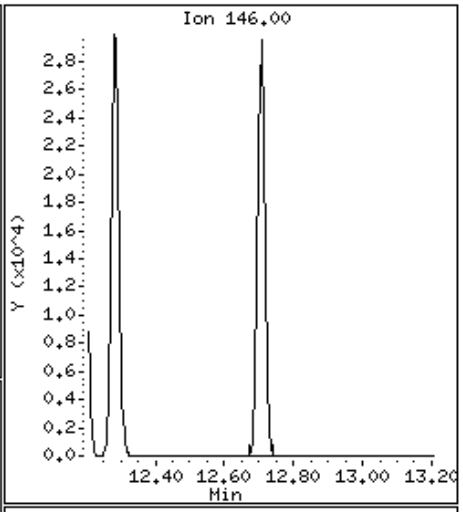
Column phase:

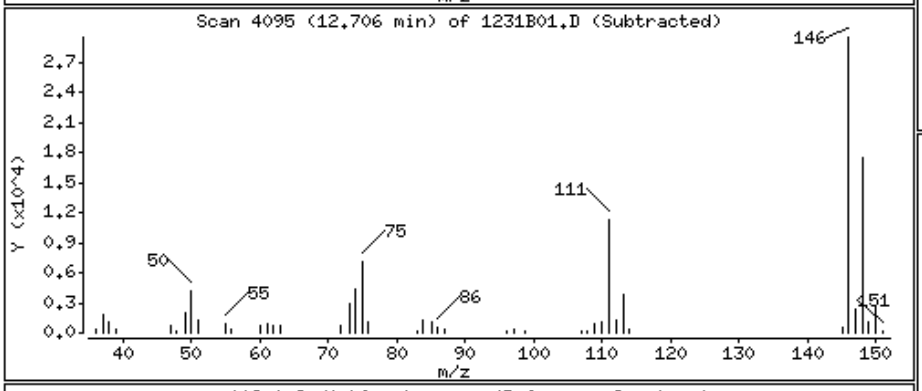
Column diameter: 0.18

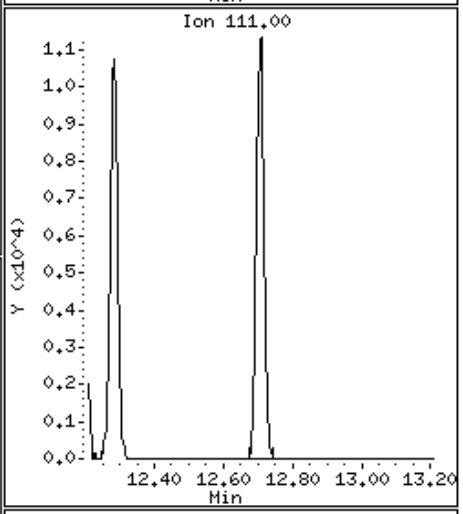
102 1,2-dichlorobenzene

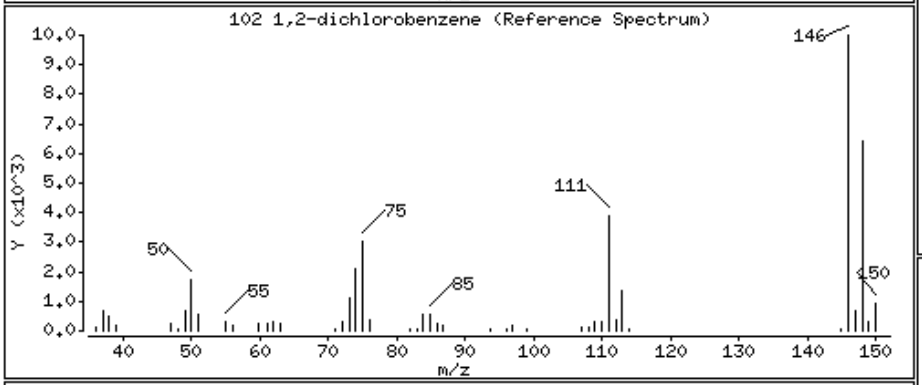
Concentration: 98.475 ngs

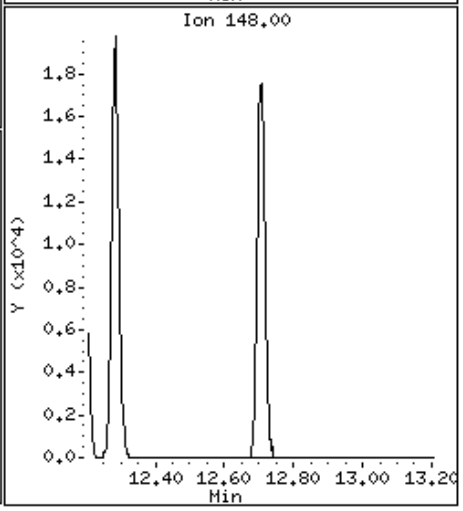


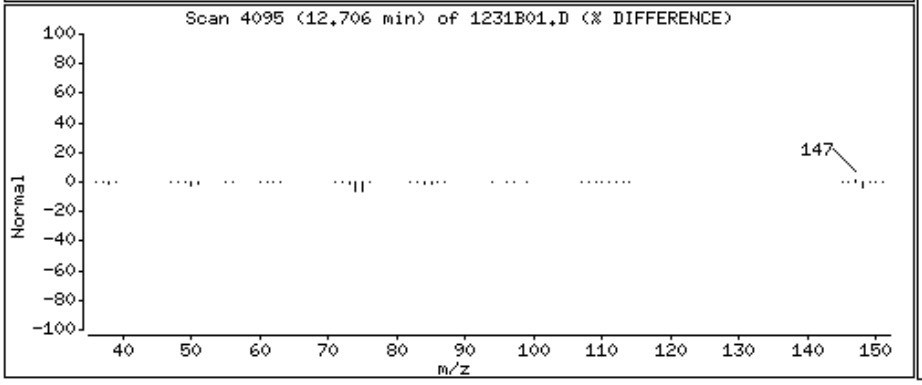












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

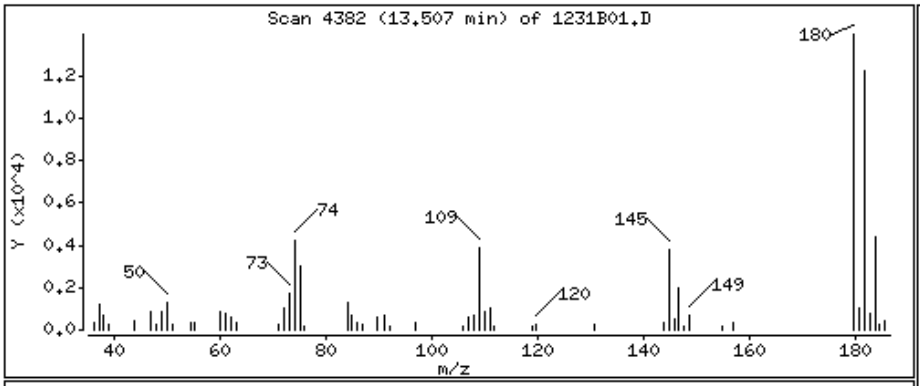
Operator: PD

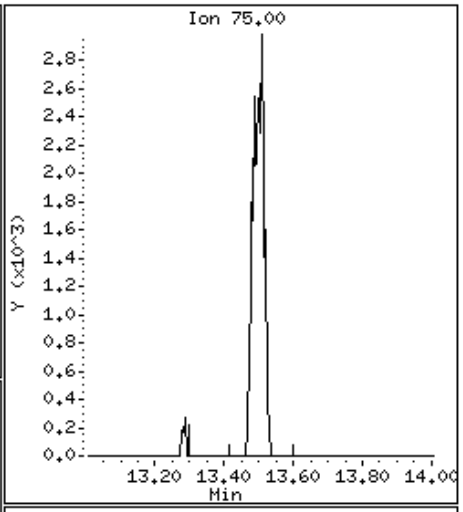
Column phase:

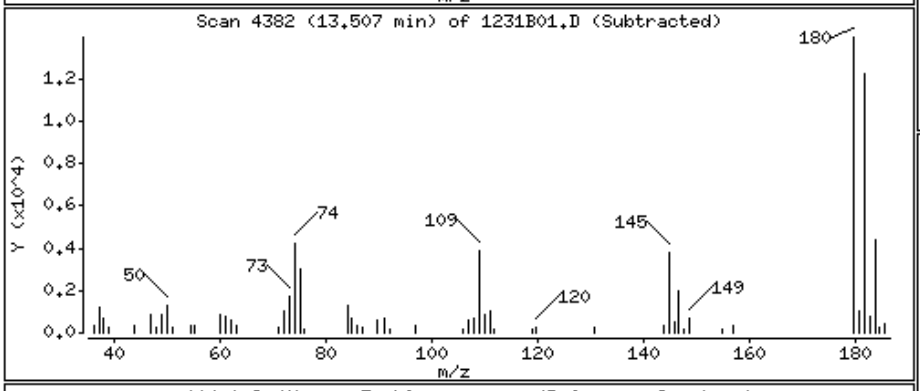
Column diameter: 0.18

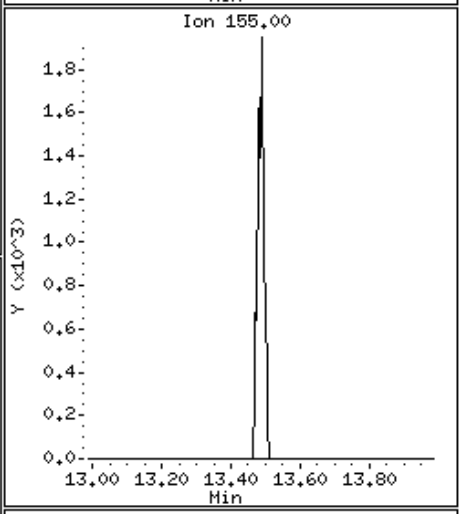
104 1,2-dibromo-3-chloropropane

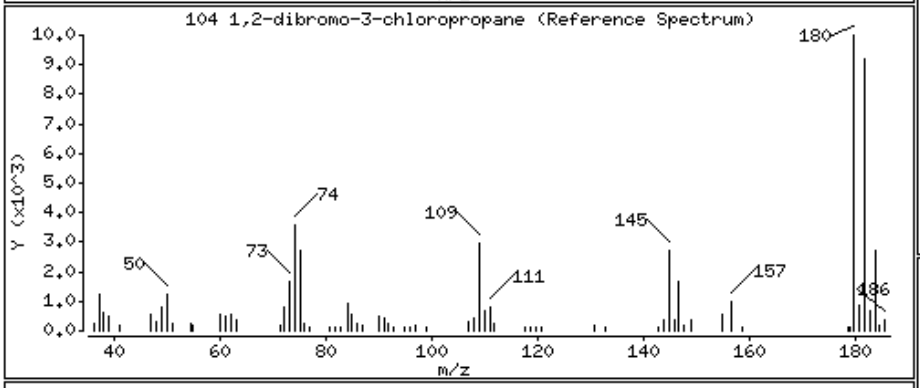
Concentration: 95.011 ngs

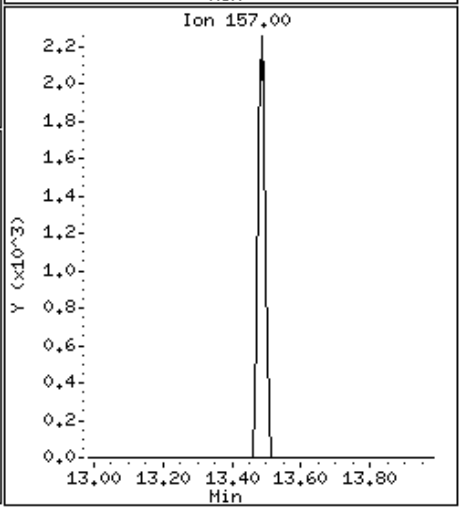


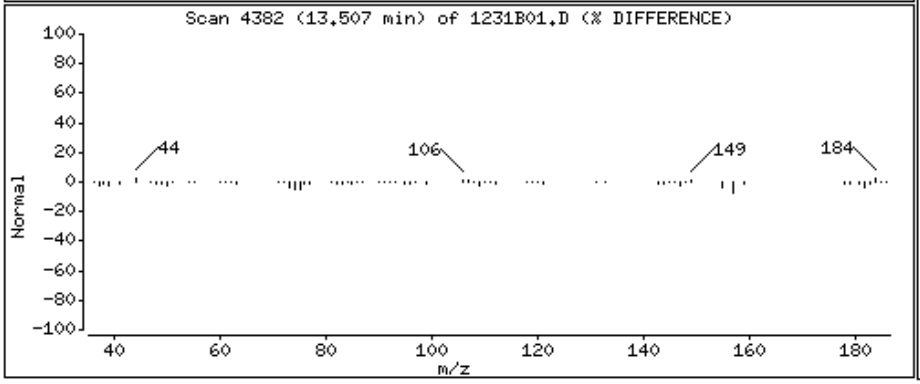












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

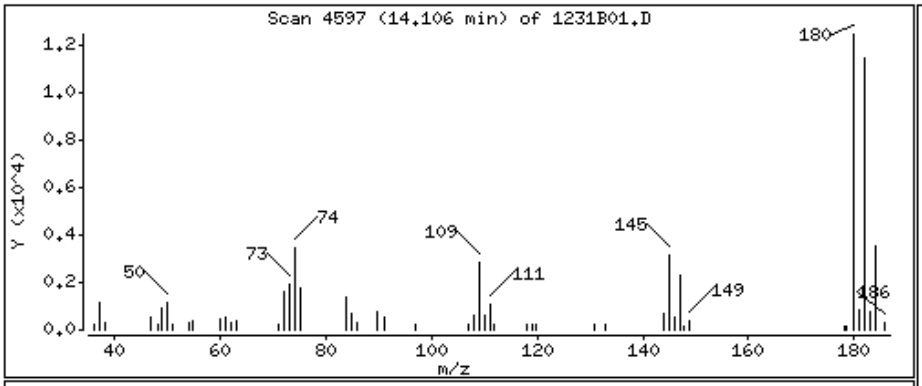
Operator: PD

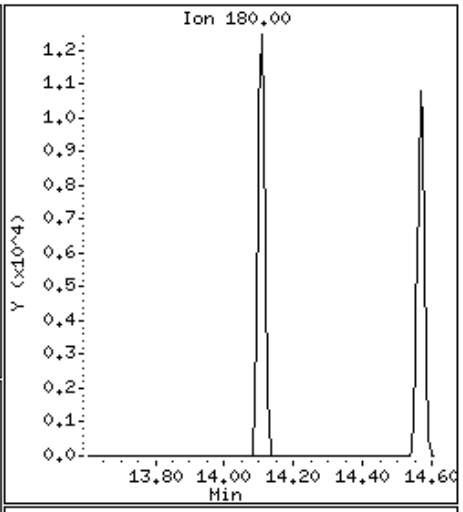
Column phase:

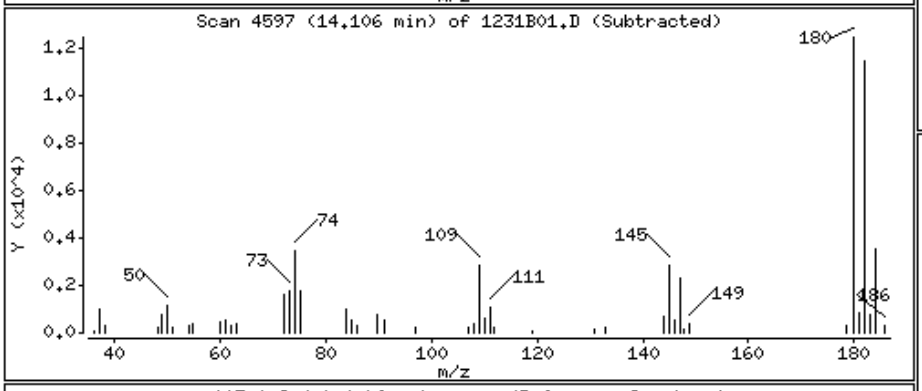
Column diameter: 0.18

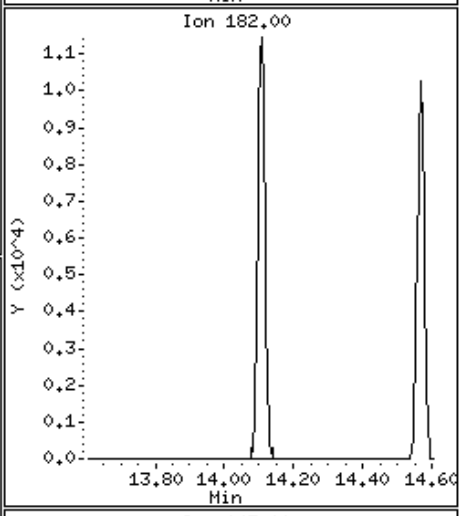
107 1,2,4-trichlorobenzene

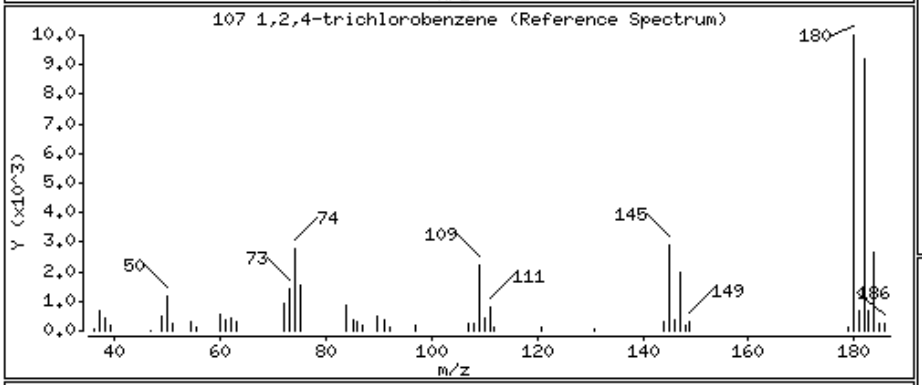
Concentration: 87.664 ngs

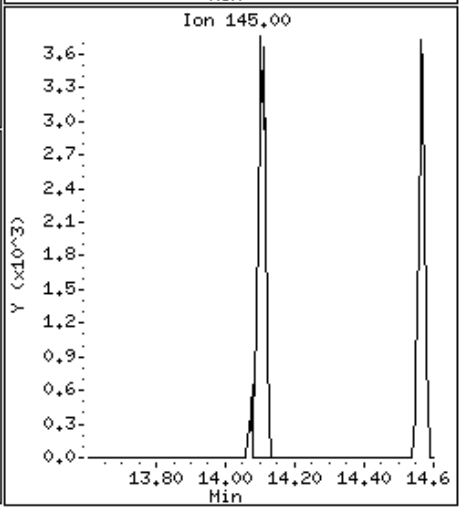


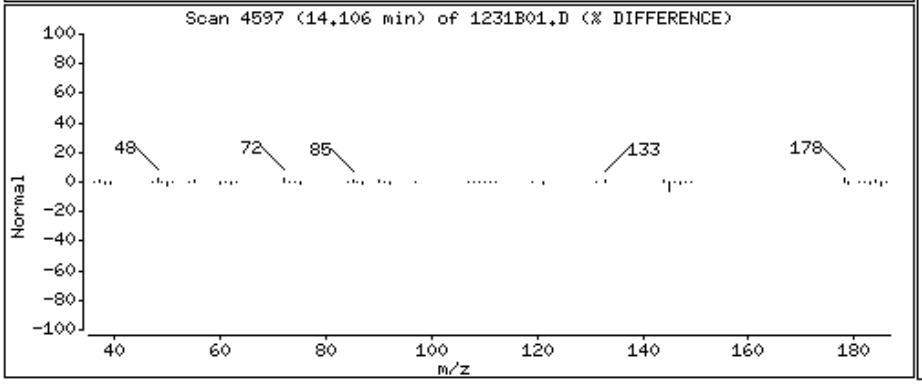












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B01.D

Date : 31-DEC-2015 09:40

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-8,31,10

Purge Volume: 10.0

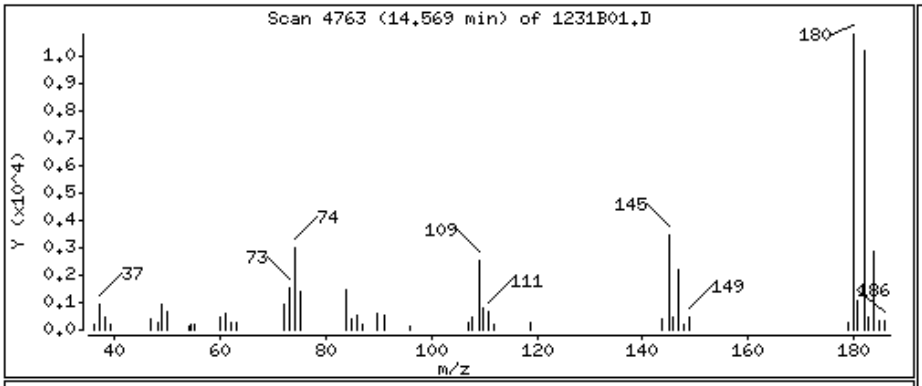
Operator: PD

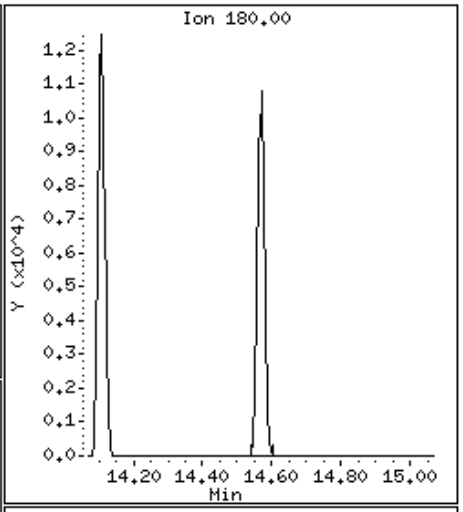
Column phase:

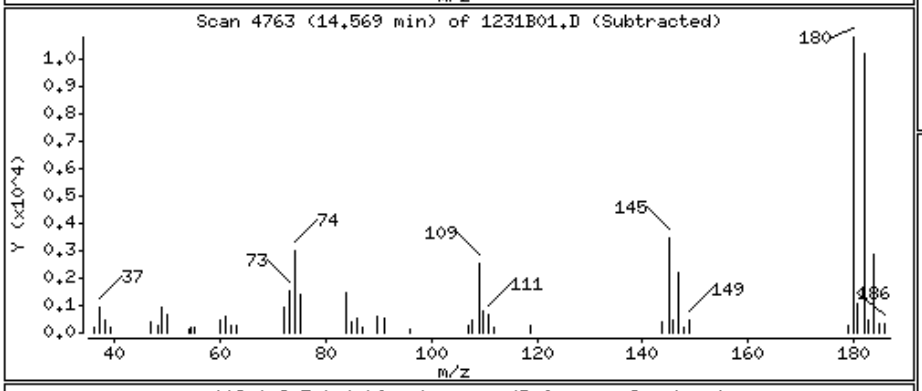
Column diameter: 0.18

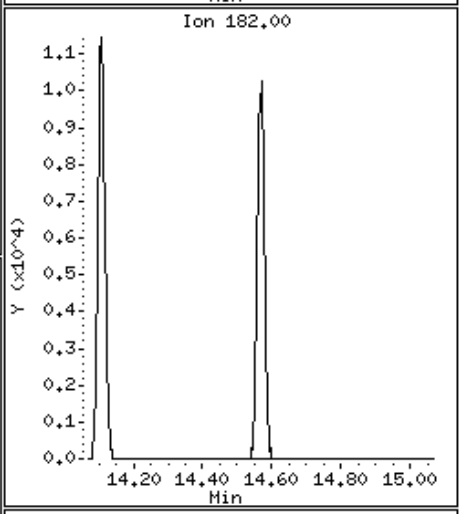
109 1,2,3-trichlorobenzene

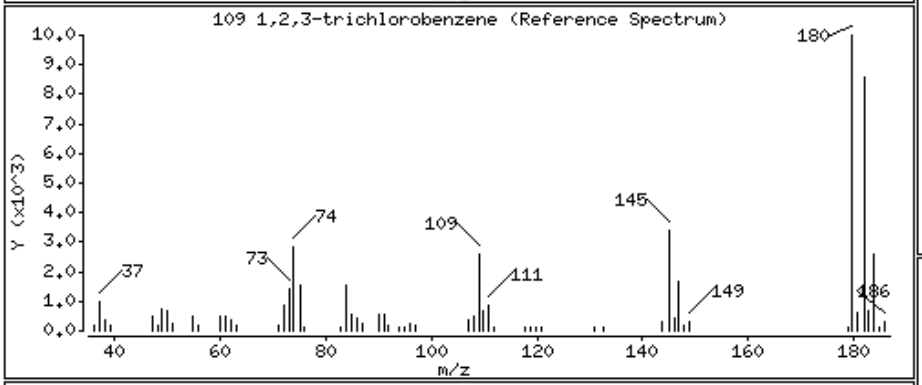
Concentration: 91.045 ngs

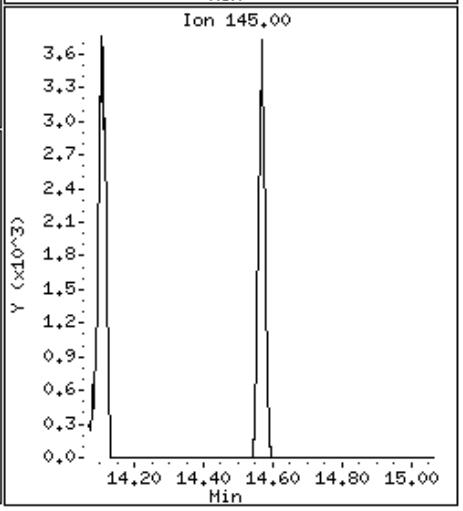


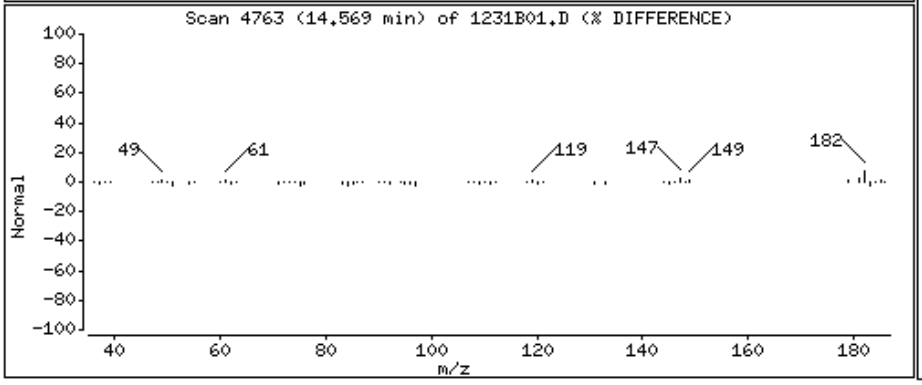












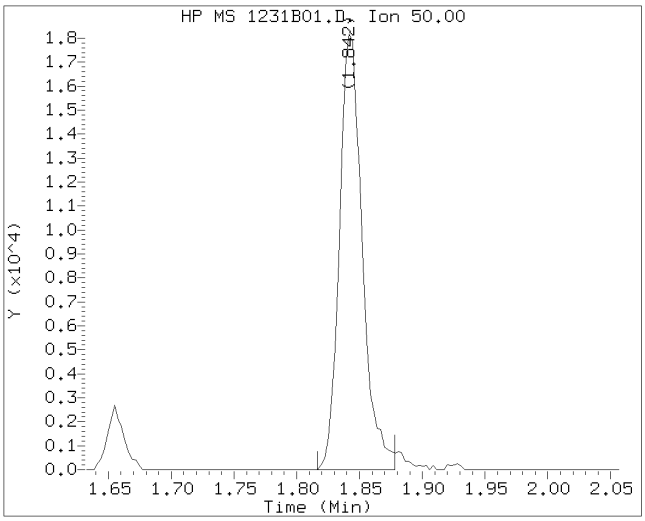
Alpha Analytical Labs

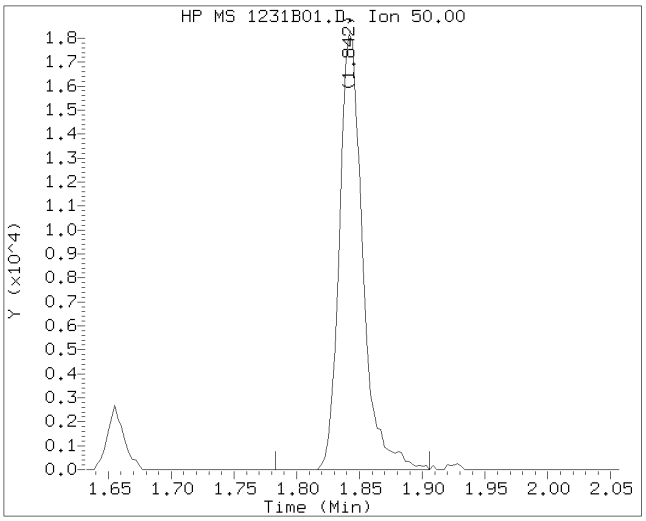
Manual Integration

Sample Info : wg853951-8,31,10
wg853951,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1231B01.D
Injection Date : 31-DEC-2015 09:40
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: LCS

Compound # 2: chloromethane

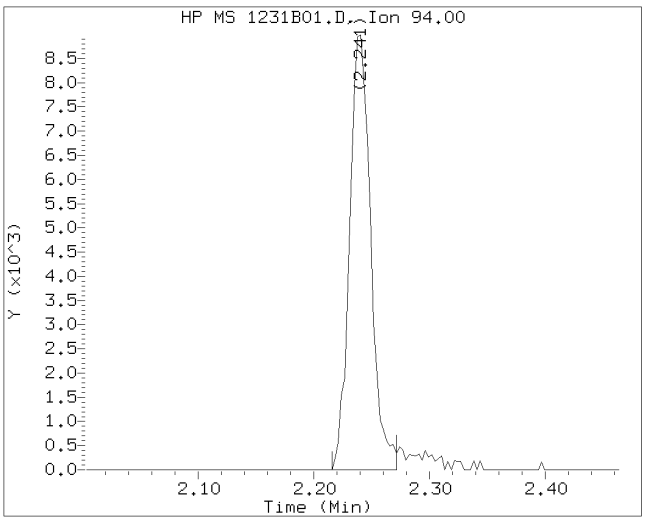


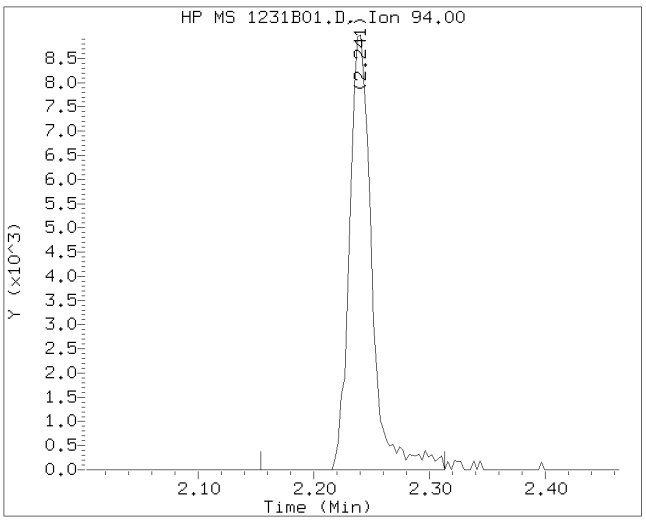


Original Peak Response = 23233 Manual Peak Response = 23749 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 4: bromomethane





Original Peak Response = 11482 Manual Peak Response = 12187 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

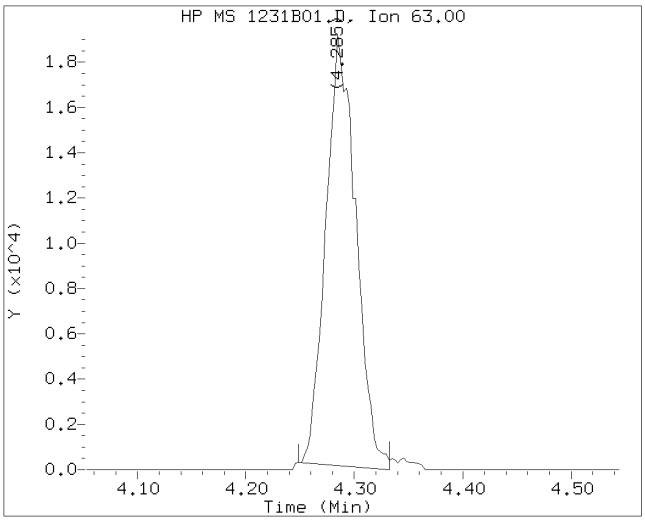
Alpha Analytical Labs

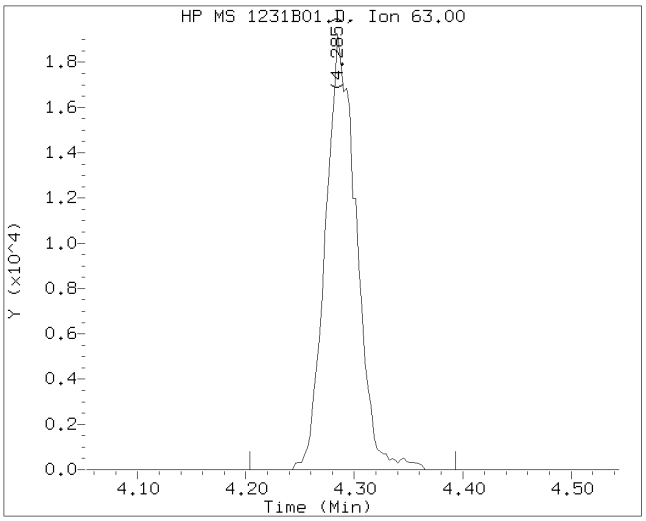
Manual Integration

Sample Info : wg854-1,31,10
wg854,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1231B01.D
Injection Date : 31-DEC-2015 09:40
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 22: 1,1-dichloroethane

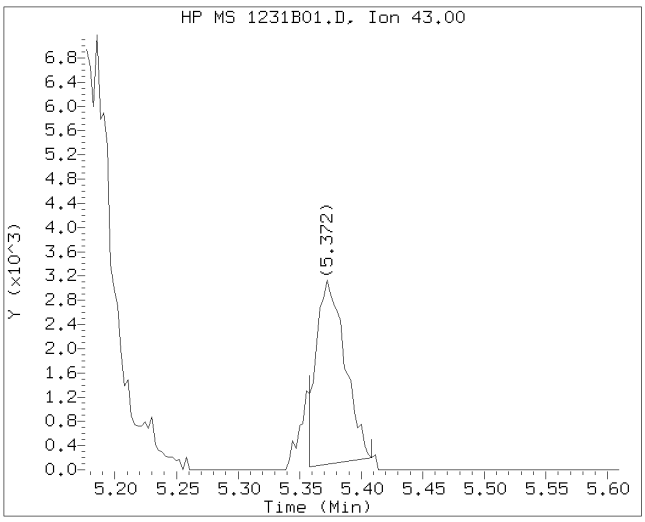


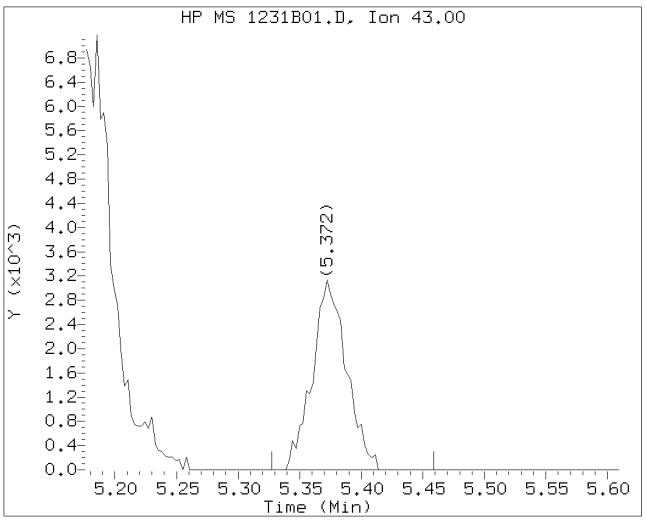


Original Peak Response = 36496 Manual Peak Response = 38034 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 38: 2-butanone





Original Peak Response = 4969 Manual Peak Response = 6050 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

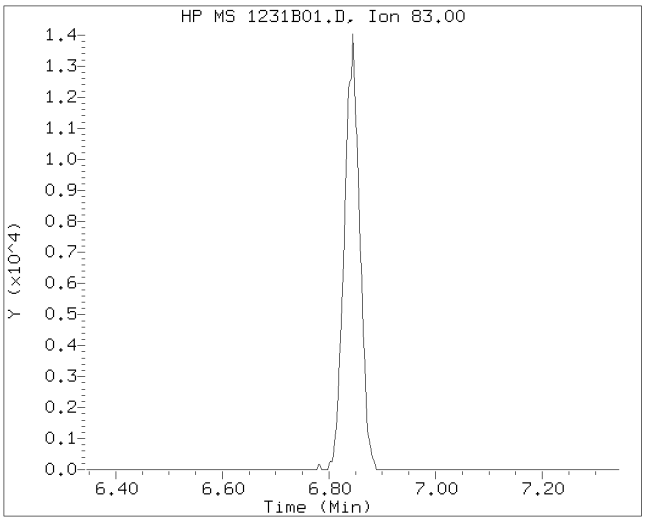
Alpha Analytical Labs

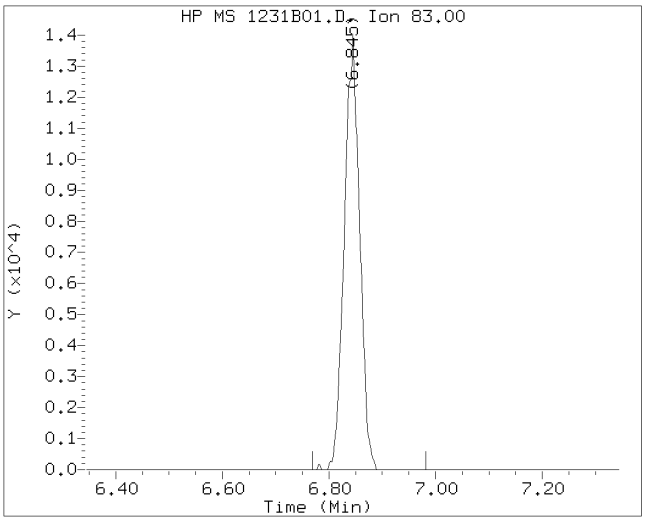
Manual Integration

Sample Info : wg854-1,31,10
wg854,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1231B01.D
Injection Date : 31-DEC-2015 09:40
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 53: bromodichloromethane

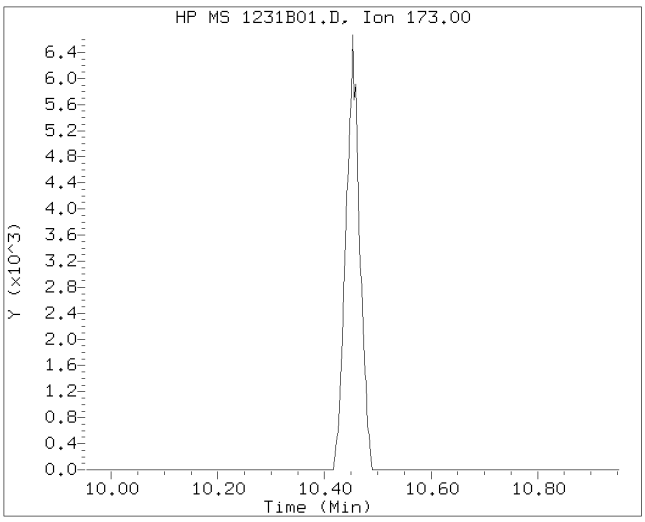


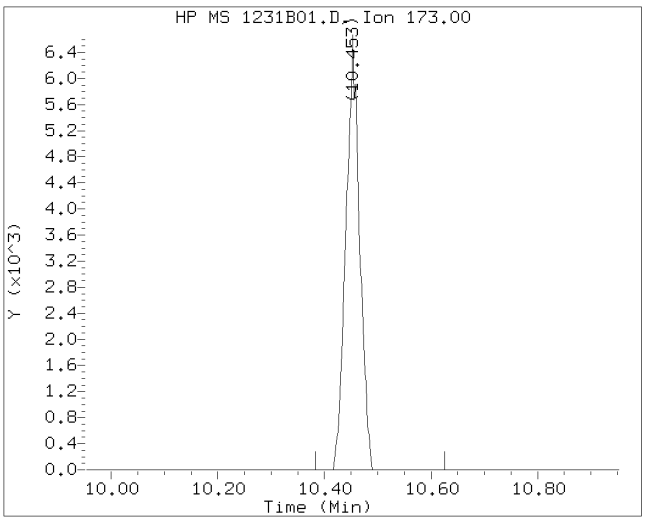


Original Peak Response = 0 Manual Peak Response = 28148 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 79: bromoform





Original Peak Response = 0 Manual Peak Response = 11926 M2

M2 = Peak not found by automatic integration algorithm.

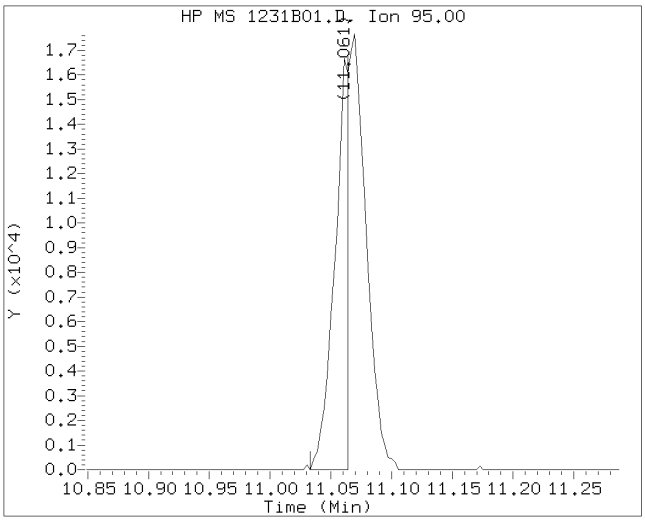
Alpha Analytical Labs

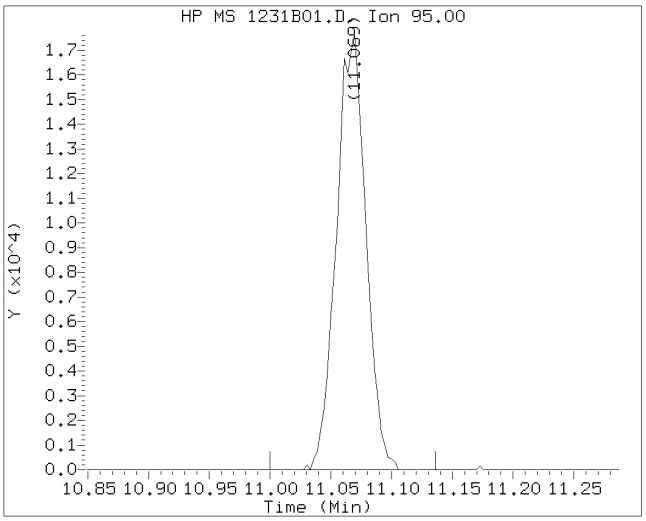
Manual Integration

Sample Info : wg854-1,31,10
wg854,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1231B01.D
Injection Date : 31-DEC-2015 09:40
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 81: 4-bromofluorobenzene

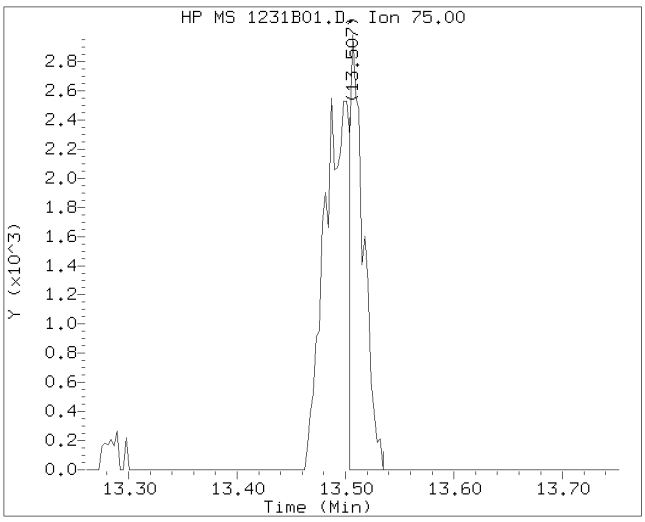


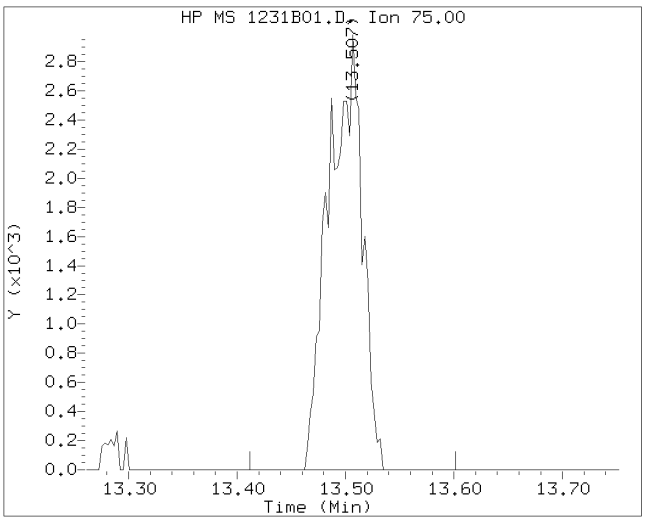


Original Peak Response = 13325 Manual Peak Response = 29981 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 104: 1,2-dibromo-3-chloropropane





Original Peak Response = 2677 Manual Peak Response = 6377 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

LCS Duplicate Raw Data

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D
Lab Smp Id:
Inj Date : 30-DEC-2015 08:20
Operator : PD Inst ID: Voa108.i
Smp Info : wg854069-2,31,10
Misc Info : wg854069,ical11667
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Meth Date : 30-Dec-2015 19:52 mmay Quant Type: ISTD
Cal Date : 07-NOV-2015 22:27 Cal File: 1107A10.D
Als bottle: 3 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: A1VOA1

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	1.652	1.649	(0.273)	21924	100.984	10.098	
	2 chloromethane	50	1.836	1.836	(0.304)	25046	112.963	11.296	
	3 vinyl chloride	62	1.919	1.919	(0.317)	27259	95.5533	9.555	
	4 bromomethane	94	2.235	2.235	(0.370)	17870	94.9480	9.494	
	5 chloroethane	64	2.349	2.352	(0.389)	22126	73.9881	7.398	
	6 trichlorofluoromethane	101	2.488	2.488	(0.412)	52513	76.0728	7.607	
	9 1,1,-dichloroethene	96	2.982	2.982	(0.493)	28331	73.5045	7.350	
	11 freon-113	101	3.018	3.018	(0.499)	29020	74.0848	7.408	
	10 carbon disulfide	76	3.007	3.007	(0.497)	75612	66.0714	6.607	
	15 methylene chloride	84	3.540	3.545	(0.585)	24982	104.205	10.420	
	16 acetone	43	3.601	3.601	(0.596)	3848	65.0847	6.508(M)	M2
	17 trans-1,2-dichloroethene	96	3.690	3.687	(0.610)	25645	107.949	10.794	
	18 Methyl Acetate	43	3.713	3.712	(0.614)	10446	104.513	10.451	
	19 methyl tert butyl ether	73	3.793	3.793	(0.627)	50122	92.4277	9.242	
	22 1,1-dichloroethane	63	4.284	4.279	(0.709)	45064	105.565	10.556	
	26 vinyl acetate	43	4.518	4.518	(0.747)	48409	95.4860	9.548	
	27 cis-1,2-dichloroethene	96	4.800	4.800	(0.794)	28410	101.091	10.109	
	29 bromochloromethane	128	4.990	4.992	(0.825)	14202	106.853	10.685	
	30 Cyclohexane	56	4.979	4.976	(0.823)	35928	101.759	10.175(Q)	
	31 chloroform	83	5.062	5.062	(0.837)	46553	100.972	10.097	
	33 carbontetrachloride	117	5.188	5.185	(0.858)	39778	108.660	10.866	
$	36 dibromofluoromethane	113	5.238	5.241	(0.866)	31642	103.222	10.322	
	37 1,1,1-trichloroethane	97	5.257	5.260	(0.869)	43693	110.129	11.012(Q)	
	38 2-butanone	43	5.369	5.369	(0.888)	6129	79.6630	7.966(M)	M1
	40 benzene	78	5.628	5.631	(0.931)	97698	98.5441	9.854	
$	42 1,2-dichloroethane-d4	65	5.771	5.768	(0.954)	30725	92.4350	9.243	
	43 1,2-dichloroethane	62	5.840	5.837	(0.966)	31698	101.743	10.174(M)	M1
*	46 flourobenzene	96	6.047	6.049	(1.000)	112113	100.000		

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	47 methyl cyclohexane	83	6.203	6.200	(1.026)	36669	94.8014	9.480(Q)	
	48 trichloroethene	95	6.220	6.219	(1.029)	27697	99.3081	9.930	
	52 1,2-dichloropropane	63	6.772	6.769	(1.120)	24698	102.492	10.249	
	53 bromodichloromethane	83	6.839	6.836	(1.131)	35148	100.348	10.034	
	57 cis-1,3-dichloropropene	75	7.530	7.530	(1.245)	38841	100.645	10.064	
$	58 toluene-d8	98	7.734	7.734	(0.808)	113126	102.442	10.244	
	59 toluene	92	7.790	7.792	(0.814)	66565	104.094	10.409	
	60 4-methyl-2-pentanone	58	8.236	8.233	(1.362)	4842	81.7784	8.177(M)	M1
	61 tetrachloroethene	166	8.227	8.222	(0.859)	28788	101.707	10.170	
	62 trans-1,3-dichloropropene	75	8.280	8.275	(0.865)	33193	101.340	10.134	
	66 1,1,2-trichloroethane	83	8.462	8.464	(0.884)	16816	99.0253	9.902(Q)	
	67 chlorodibromomethane	129	8.674	8.668	(0.906)	27128	105.102	10.510(Q)	
	70 1,2-dibromoethane	107	8.947	8.950	(0.934)	20360	100.879	10.087	
	71 2-hexanone	43	9.245	9.242	(0.966)	7933	78.4407	7.844(M)	M1
*	72 chlorobenzene-d5	117	9.574	9.574	(1.000)	90522	100.000		
	73 chlorobenzene	112	9.597	9.594	(1.002)	78439	102.207	10.220	
	74 ethyl benzene	91	9.636	9.633	(1.006)	121872	94.7611	9.476	
	76 p/m xylene	106	9.820	9.817	(1.026)	97434	183.450	18.345	
	77 o xylene	106	10.361	10.358	(1.082)	89036	172.141	17.214	
	78 styrene	104	10.430	10.425	(1.089)	149697	178.295	17.829	
	79 bromoform	173	10.450	10.450	(0.852)	15150	93.9210	9.392	
	80 isopropylbenzene	105	10.740	10.740	(0.876)	121074	100.263	10.026	
$	81 4-bromofluorobenzene	95	11.063	11.061	(0.902)	37351	101.767	10.176	
	85 1,1,2,2,-tetrachloroethane	83	11.309	11.309	(0.922)	23435	105.765	10.576	
	97 1,3-dichlorobenzene	146	12.187	12.190	(0.994)	56535	99.6567	9.965	
*	98 1,4-dichlorobenzene-d4	152	12.265	12.265	(1.000)	45391	100.000		
	99 1,4-dichlorobenzene	146	12.279	12.282	(1.001)	57193	100.604	10.060	
	102 1,2-dichlorobenzene	146	12.703	12.700	(1.036)	50703	100.266	10.026	
	104 1,2-dibromo-3-chloropropane	75	13.501	13.498	(1.101)	7602	97.7521	9.775(M)	M1
	107 1,2,4-trichlorobenzene	180	14.103	14.103	(1.150)	20347	89.3573	8.935	
	109 1,2,3-trichlorobenzene	180	14.566	14.563	(1.188)	17999	92.4875	9.248	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Lab File ID: 1230A03.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Misc Info: wg854069,ical11667

Calibration Date: 30-DEC-2015
Calibration Time: 07:52
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	119032	59516	238064	112113	-5.81
72 chlorobenzene-d5	94214	47107	188428	90522	-3.92
98 1,4-dichlorobenze	46084	23042	92168	45391	-1.50

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	6.05	5.55	6.55	6.05	-0.05
72 chlorobenzene-d5	9.57	9.07	10.07	9.57	0.00
98 1,4-dichlorobenze	12.27	11.77	12.77	12.27	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: LCSD
SpikeList File: newtcreek.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Misc Info: wg854069,ical11667

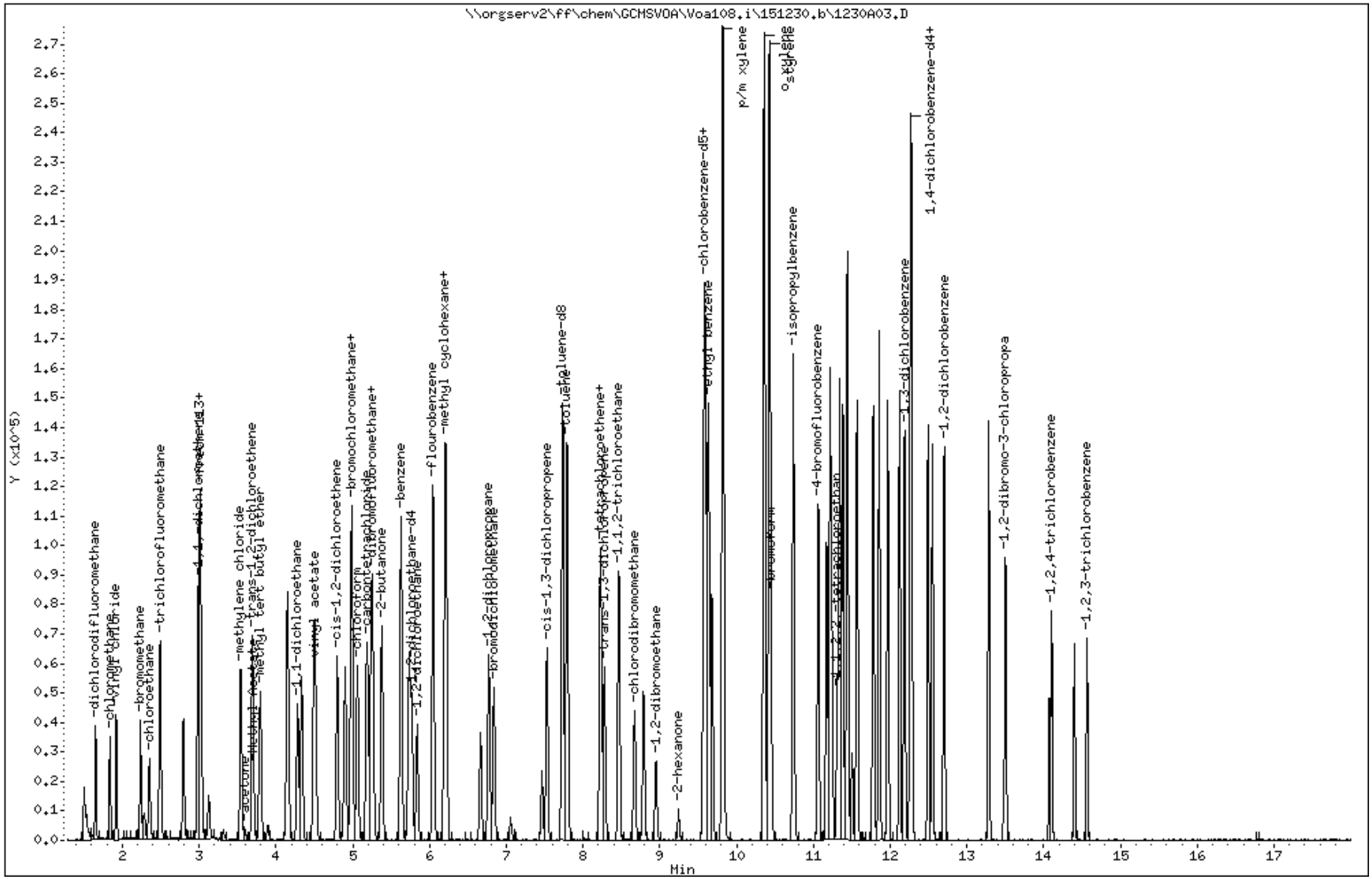
SPIKE	COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
1	dichlorodifluorome	100.000	100.983	100.98	36-147
2	chloromethane	100.000	112.963	112.96	64-130
3	vinyl chloride	100.000	95.553	95.55	55-140
4	bromomethane	100.000	94.948	94.95	39-139
5	chloroethane	100.000	73.988	73.99	55-138
6	trichlorofluoromet	100.000	76.072	76.07	62-150
9	1,1,-dichloroethen	100.000	73.504	73.50	61-145
10	carbon disulfide	100.000	66.071	66.07	51-121
11	freon-113	100.000	74.084	74.08	70-130
15	methylene chloride	100.000	104.205	104.21	74-121
16	acetone	100.000	65.084	65.08	58-148
17	trans-1,2-dichloro	100.000	107.949	107.95	75-125
18	Methyl Acetate	100.000	104.513	104.51	70-130
19	methyl tert butyl	100.000	92.427	92.43	63-112
22	1,1-dichloroethane	100.000	105.564	105.56	73-119
26	vinyl acetate	100.000	95.485	95.49	83-124
27	cis-1,2-dichloroet	100.000	101.090	101.09	75-125
29	bromochloromethane	100.000	106.853	106.85	74-123
30	Cyclohexane	100.000	101.759	101.76	70-130
31	chloroform	100.000	100.971	100.97	75-125
33	carbontetrachlorid	100.000	108.660	108.66	63-132
37	1,1,1-trichloroeth	100.000	110.128	110.13	67-123
38	2-butanone	100.000	79.662	79.66	63-138
40	benzene	100.000	98.544	98.54	76-127
43	1,2-dichloroethane	100.000	101.742	101.74	71-125
48	trichloroethene	100.000	99.308	99.31	71-120
47	methyl cyclohexane	100.000	94.801	94.80	70-130
52	1,2-dichloropropan	100.000	102.492	102.49	70-120
53	bromodichlorometha	100.000	100.348	100.35	67-121
57	cis-1,3-dichloropr	100.000	100.645	100.65	75-125
59	toluene	100.000	104.094	104.09	76-125
60	4-methyl-2-pentano	100.000	81.778	81.78	59-126
61	tetrachloroethene	100.000	101.706	101.71	70-130
62	trans-1,3-dichloro	100.000	101.340	101.34	75-125
66	1,1,2-trichloroeth	100.000	99.025	99.03	70-125
67	chlorodibromometha	100.000	105.102	105.10	63-119
70	1,2-dibromoethane	100.000	100.878	100.88	70-119
71	2-hexanone	100.000	78.440	78.44	57-128
73	chlorobenzene	100.000	102.207	102.21	75-130
74	ethyl benzene	100.000	94.761	94.76	79-118

SPIKE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
76 p/m xylene	200.000	183.450	91.73	75-125
77 o xylene	200.000	172.140	86.07	75-125
78 styrene	200.000	178.295	89.15	70-122
79 bromoform	100.000	93.921	93.92	54-136
80 isopropylbenzene	100.000	100.263	100.26	73-122
85 1,1,2,2,-tetrachlo	100.000	105.764	105.76	67-124
97 1,3-dichlorobenzen	100.000	99.656	99.66	75-125
99 1,4-dichlorobenzen	100.000	100.603	100.60	75-125
102 1,2-dichlorobenzen	100.000	100.266	100.27	75-125
104 1,2-dibromo-3-chlo	100.000	97.752	97.75	41-144
107 1,2,4-trichloroben	100.000	89.357	89.36	75-125
109 1,2,3-trichloroben	100.000	92.487	92.49	75-125

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 36 dibromofluorometha	100.000	103.222	103.22	70-130
$ 42 1,2-dichloroethane	100.000	92.435	92.44	70-130
$ 58 toluene-d8	100.000	102.442	102.44	70-130
$ 81 4-bromofluorobenze	100.000	101.767	101.77	70-130

Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D
Date : 30-DEC-2015 08:20
Client ID:
Sample Info: wg854069-2,31,10
Purge Volume: 10.0
Column phase:

Instrument: Voa108.i
Operator: PD
Column diameter: 0.18



Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

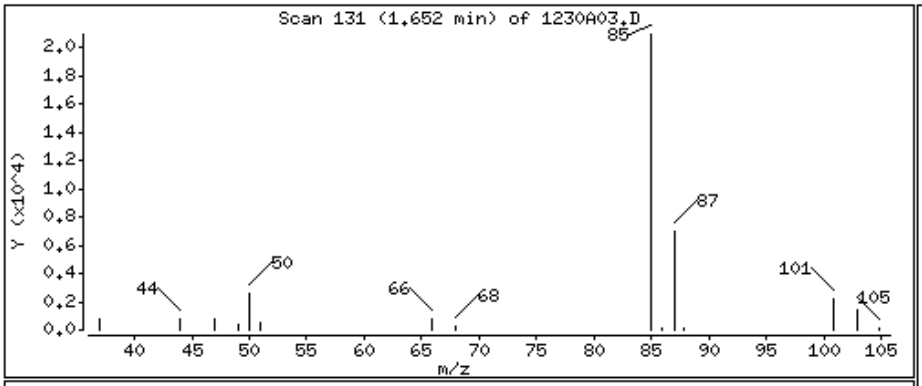
Operator: PD

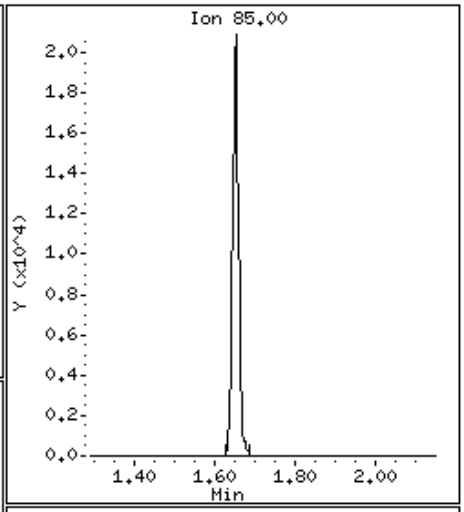
Column phase:

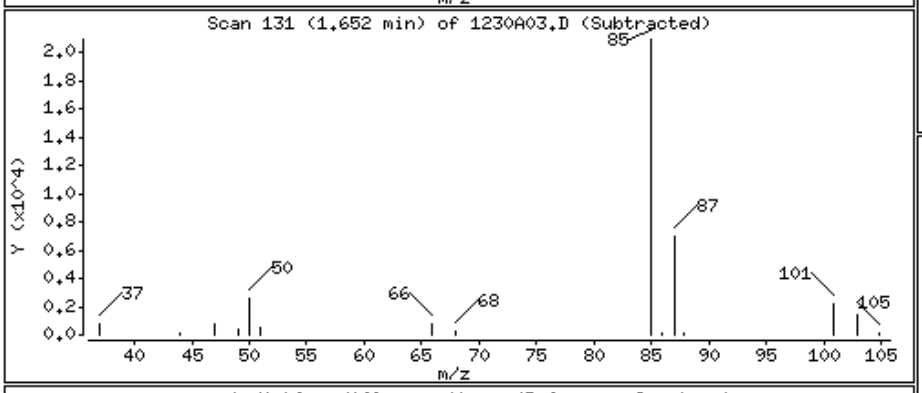
Column diameter: 0.18

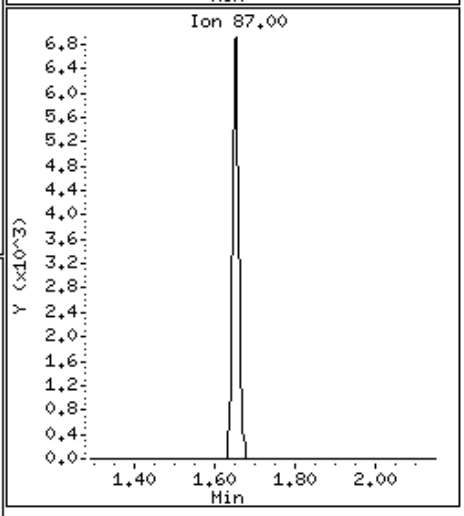
1 dichlorodifluoromethane

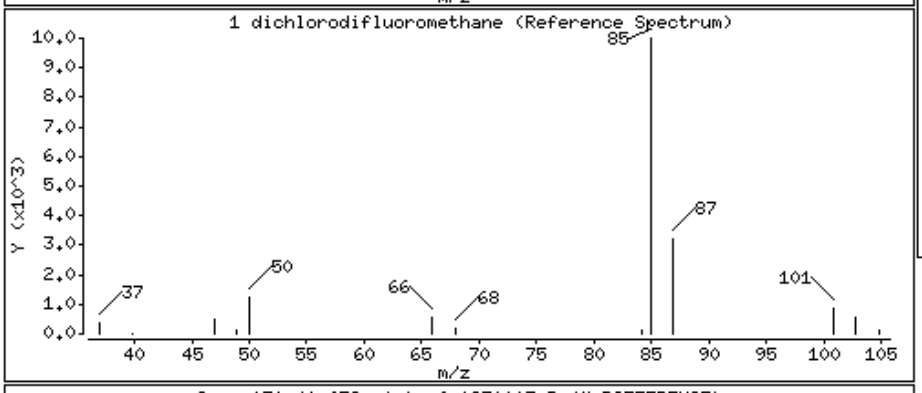
Concentration: 10.098 ngs

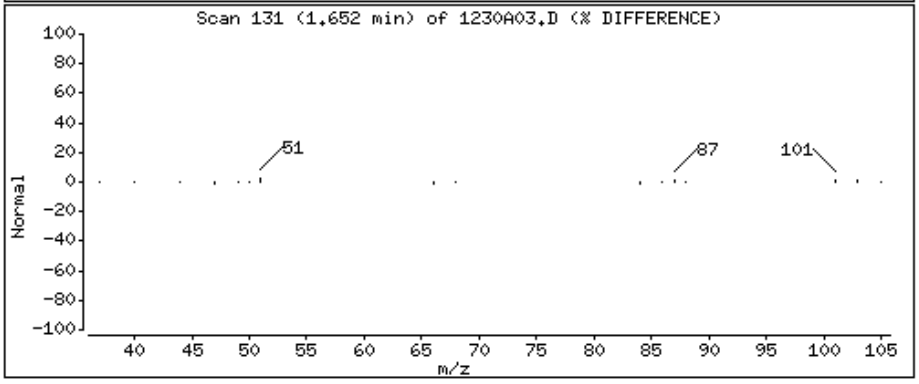












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

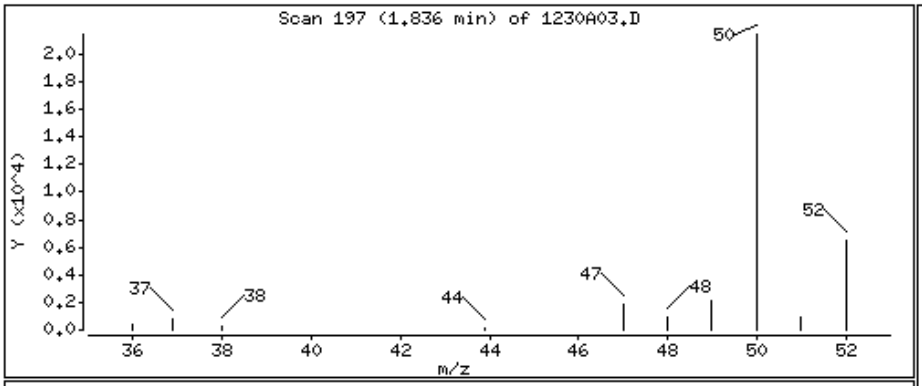
Operator: PD

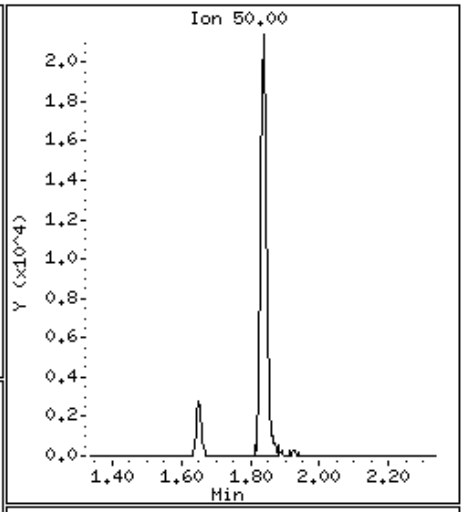
Column phase:

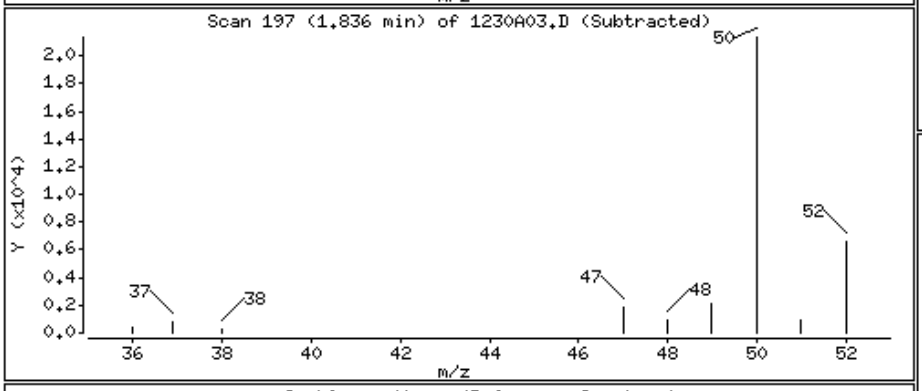
Column diameter: 0.18

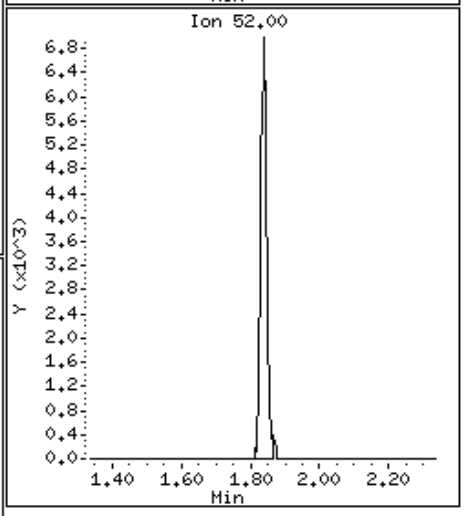
2 chloromethane

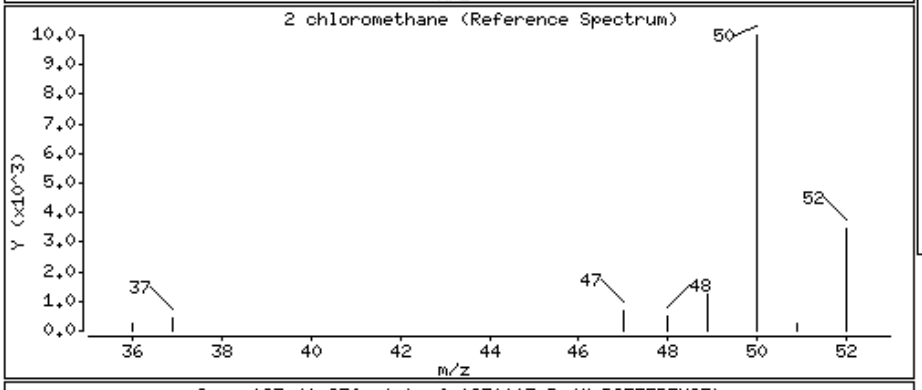
Concentration: 11.296 ngs

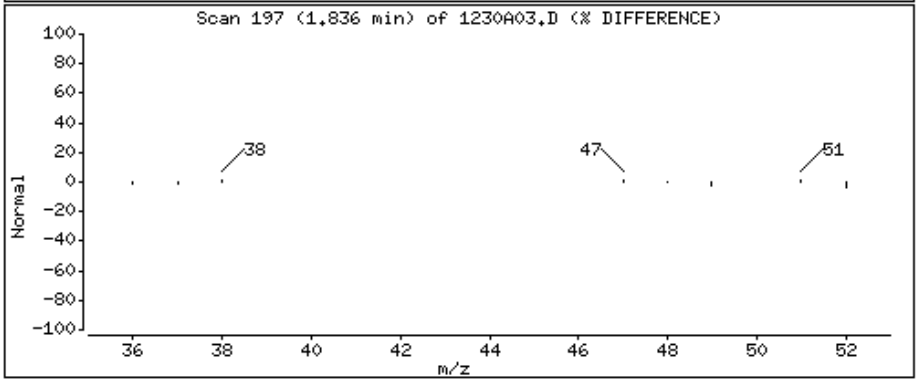












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

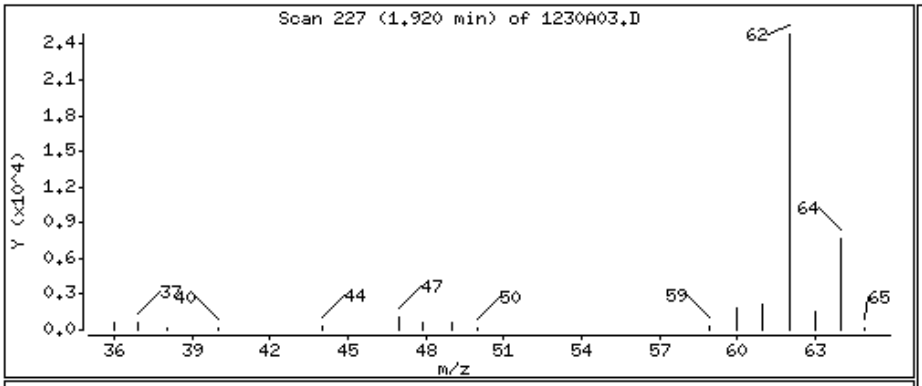
Operator: PD

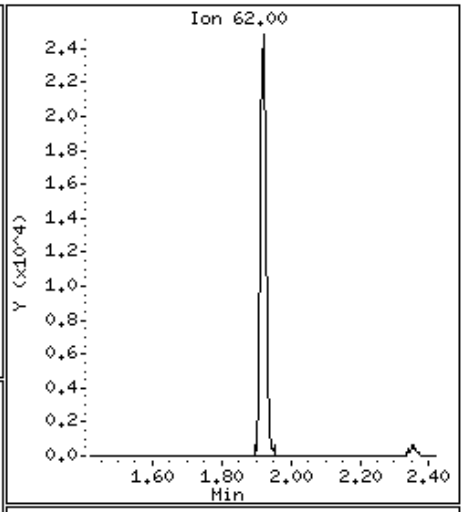
Column phase:

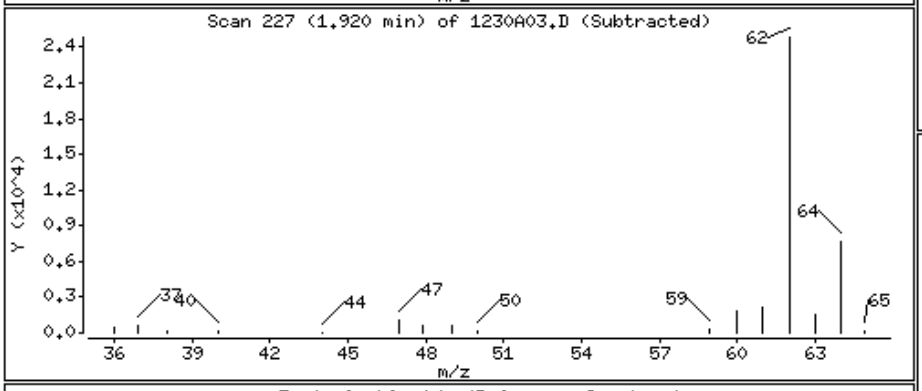
Column diameter: 0.18

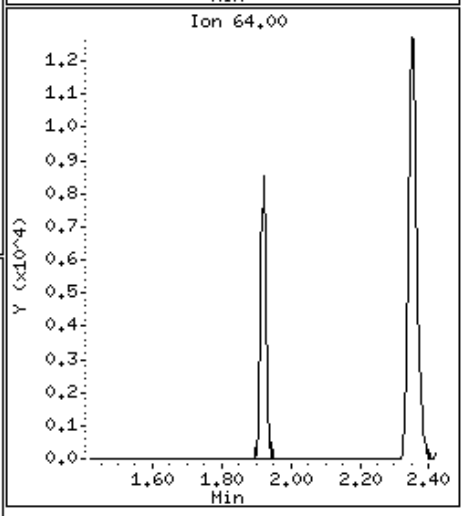
3 vinyl chloride

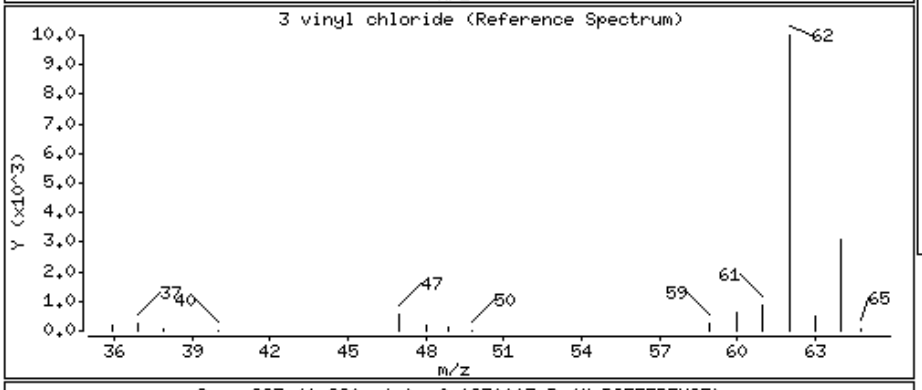
Concentration: 9.555 ngs

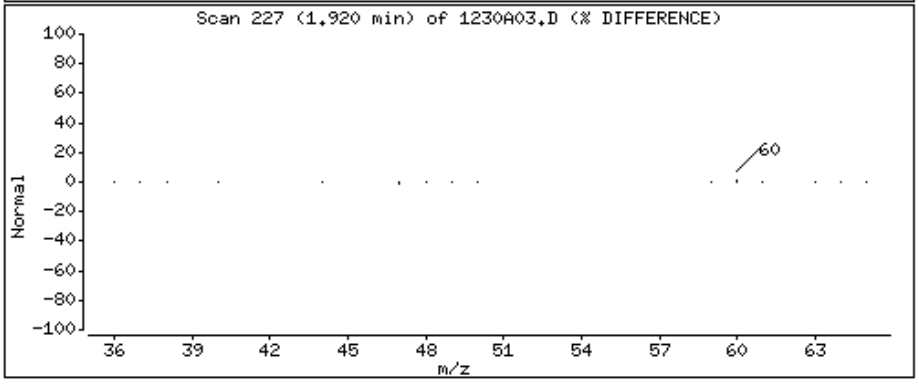












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

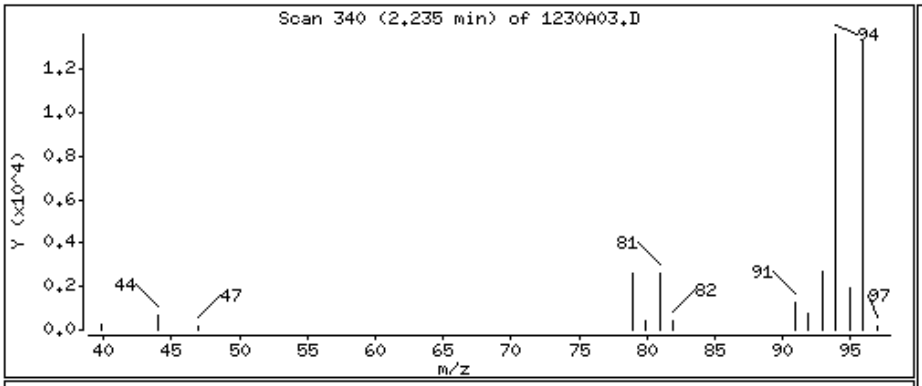
Operator: PD

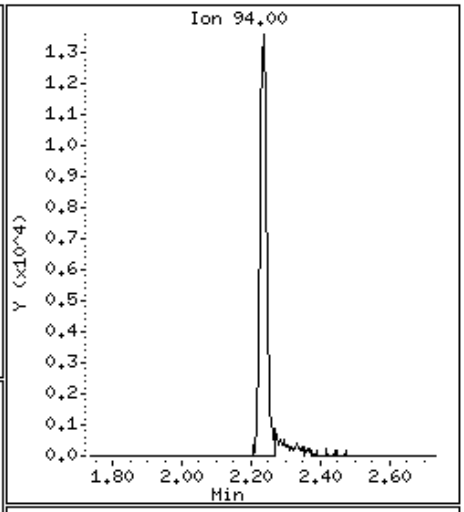
Column phase:

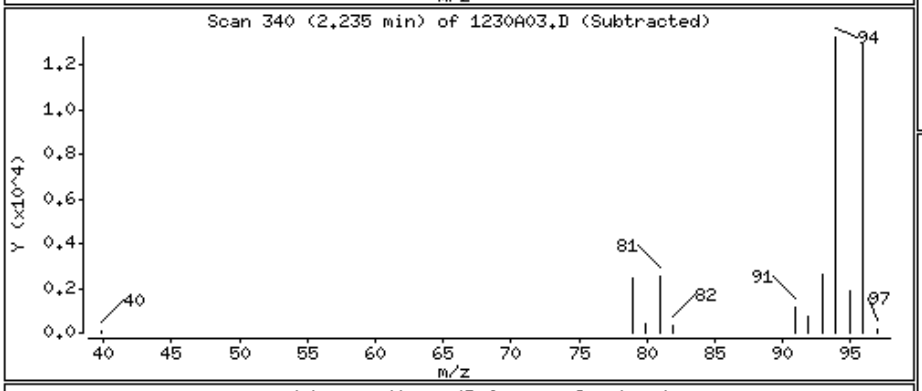
Column diameter: 0.18

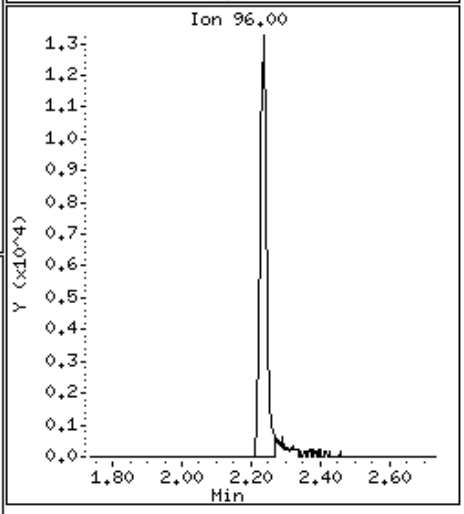
4 bromomethane

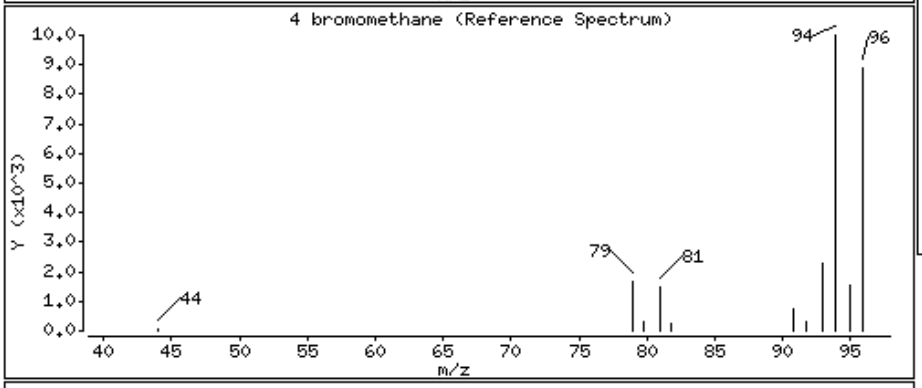
Concentration: 9.494 ngs

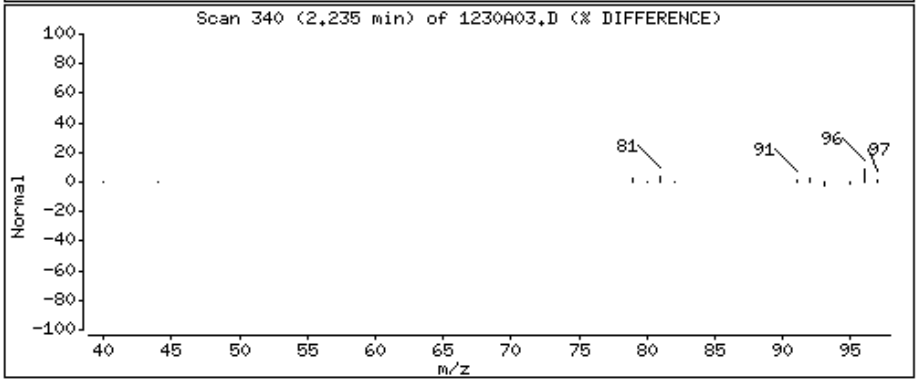












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

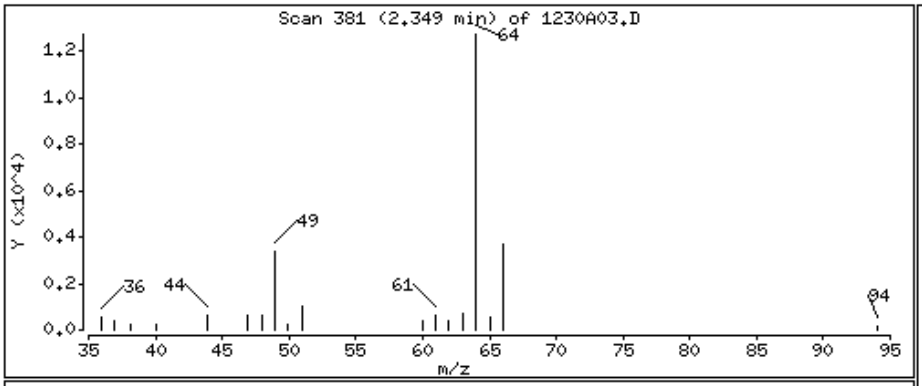
Operator: PD

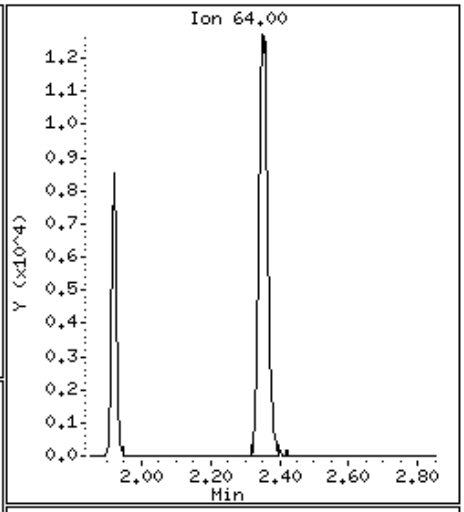
Column phase:

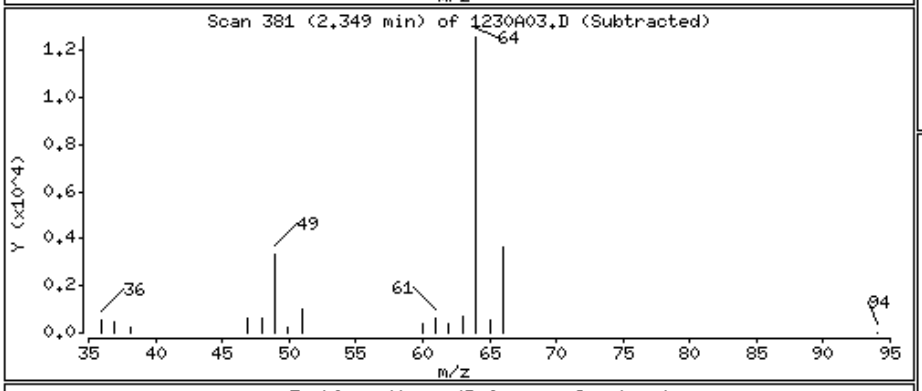
Column diameter: 0.18

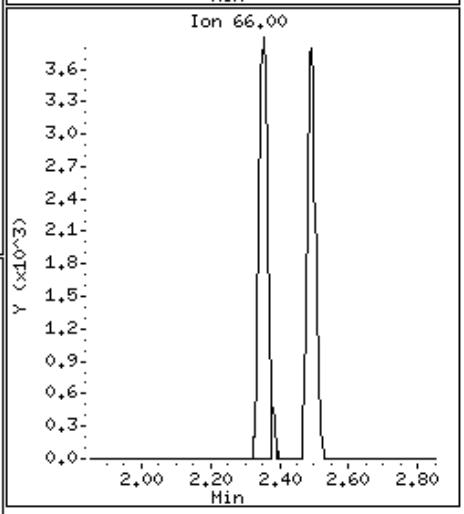
5 chloroethane

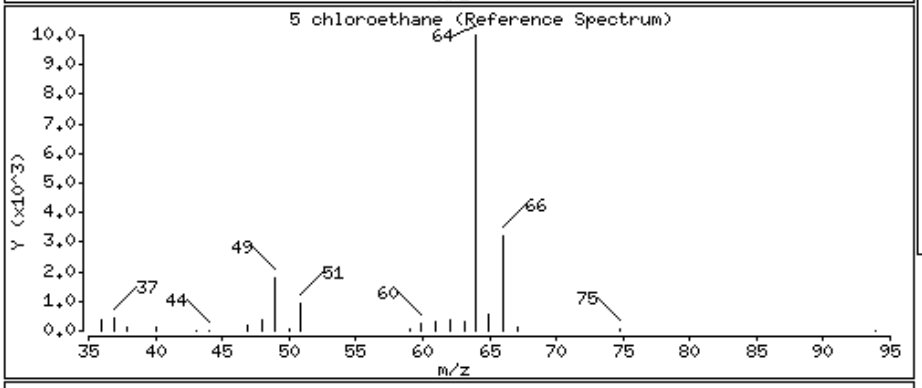
Concentration: 7.398 ngs

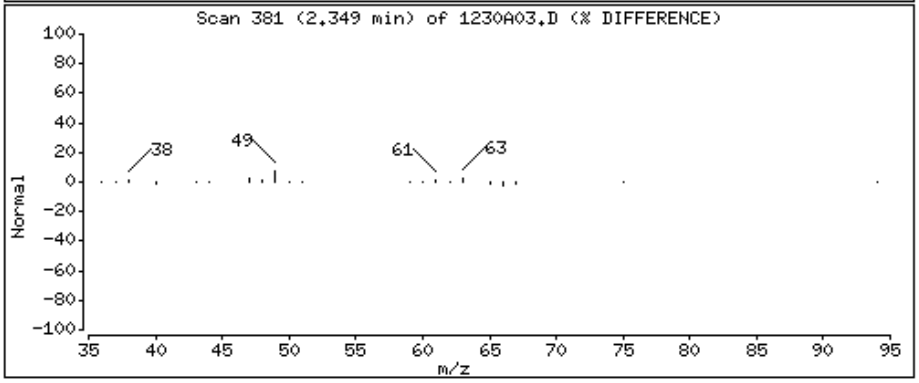












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

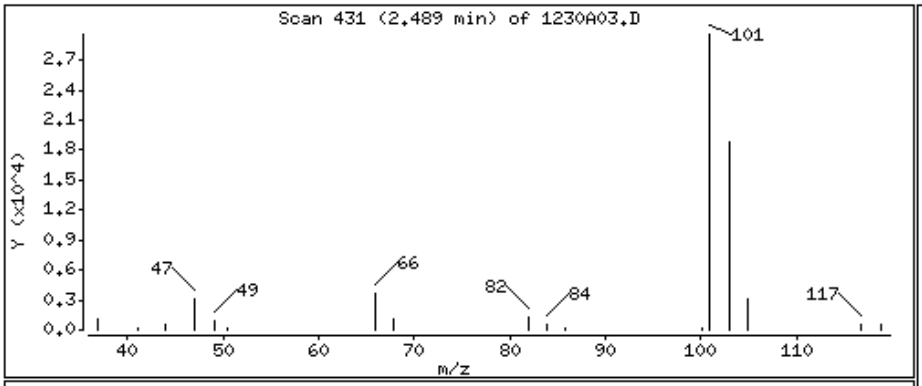
Operator: PD

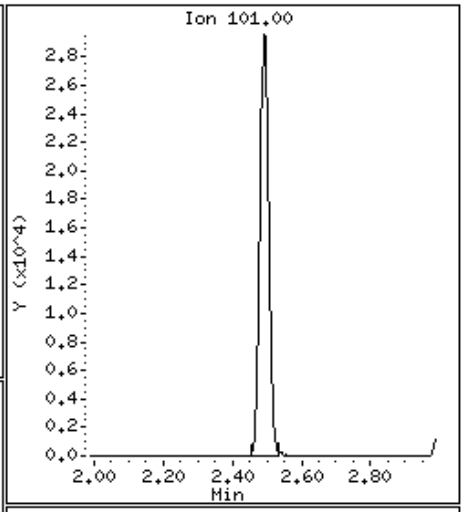
Column phase:

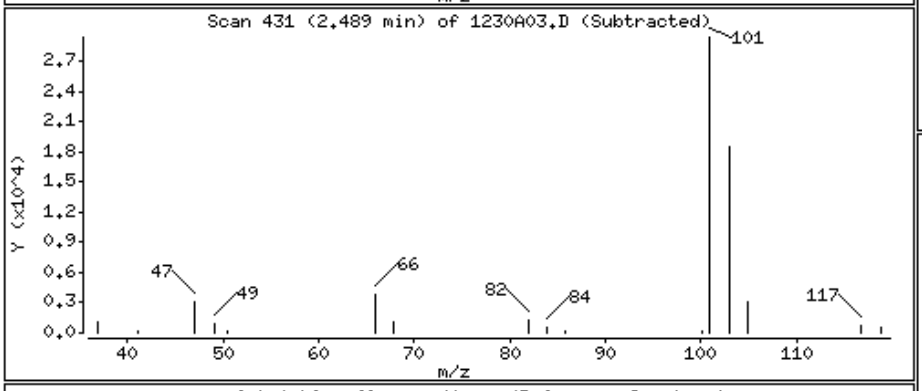
Column diameter: 0.18

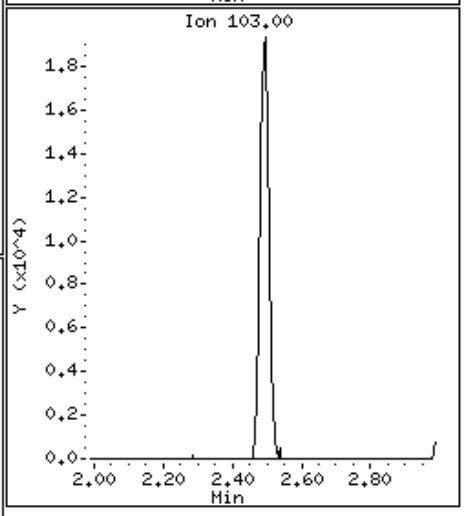
6 trichlorofluoromethane

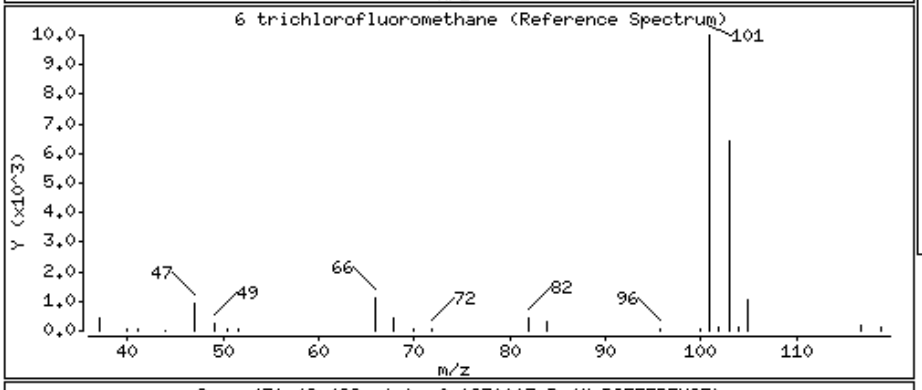
Concentration: 7.607 ngs

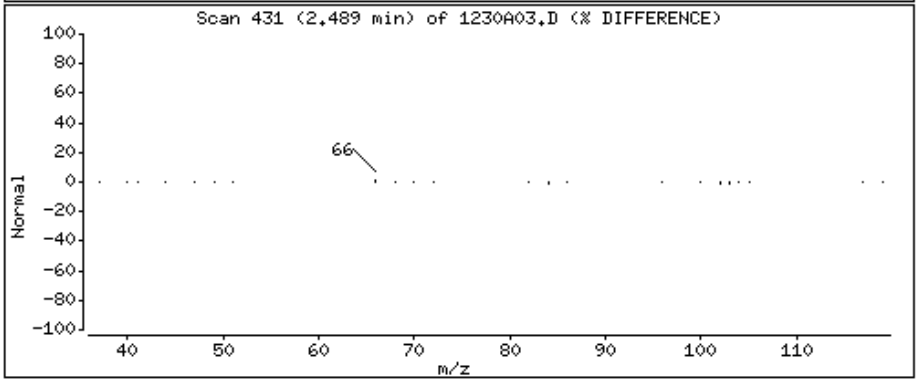












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

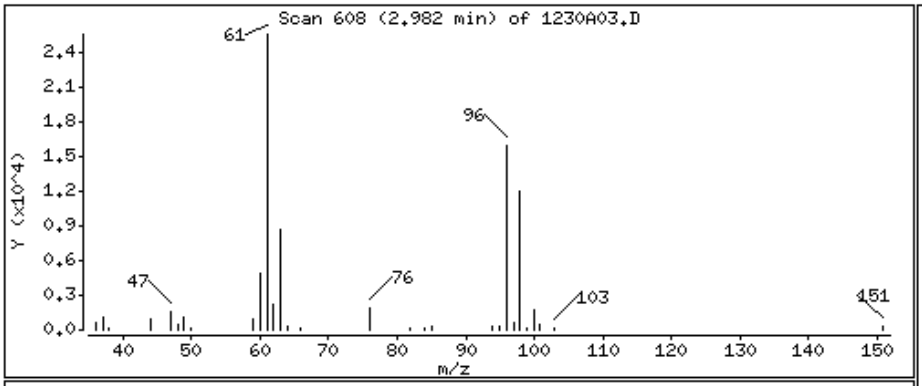
Operator: PD

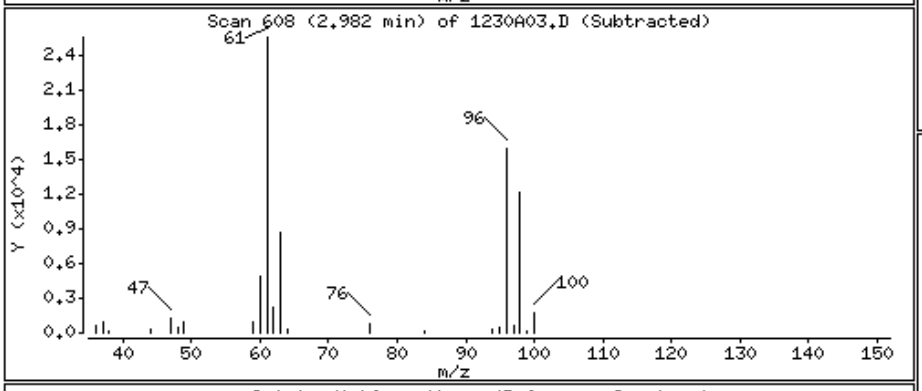
Column phase:

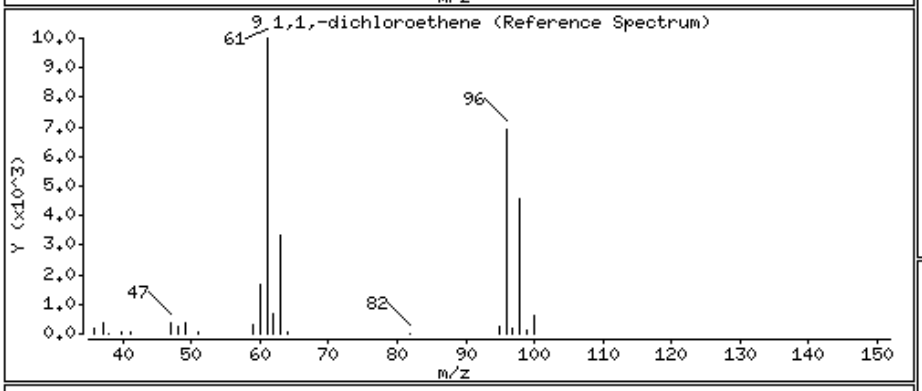
Column diameter: 0.18

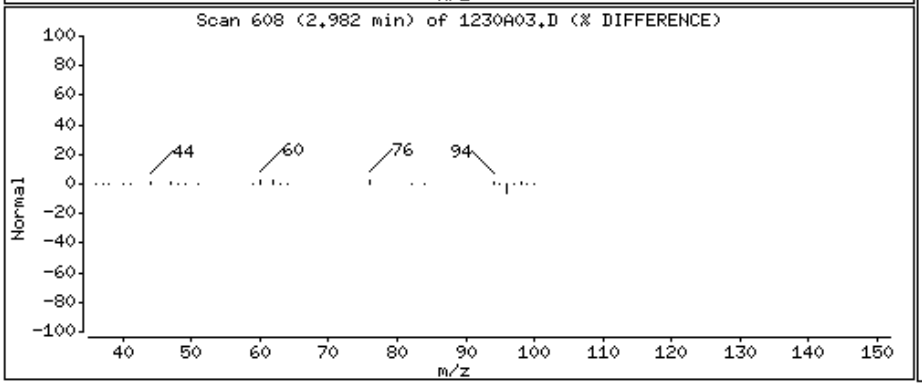
9 1,1,-dichloroethene

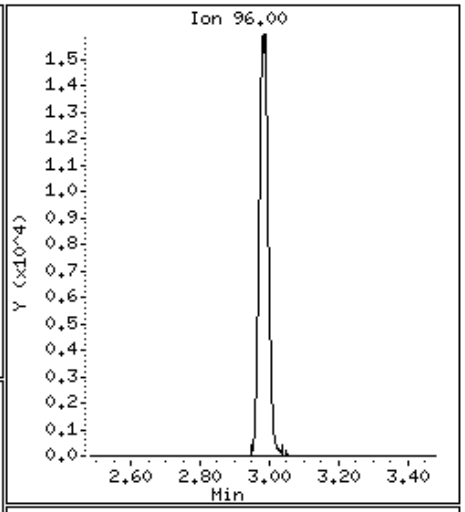
Concentration: 7.350 ngs

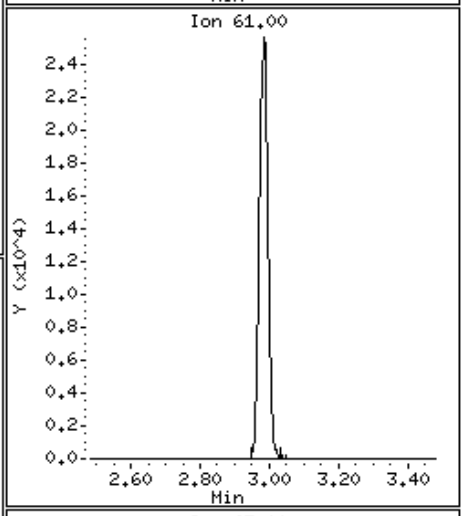


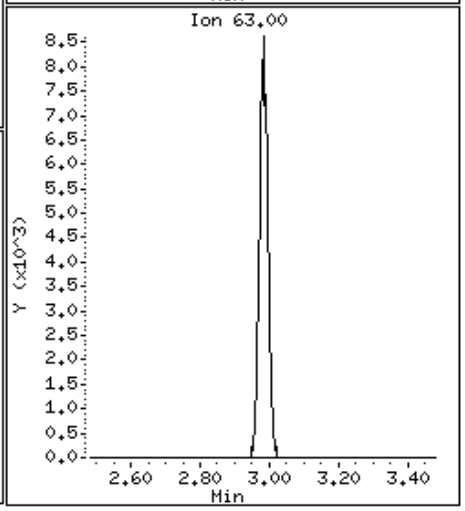












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

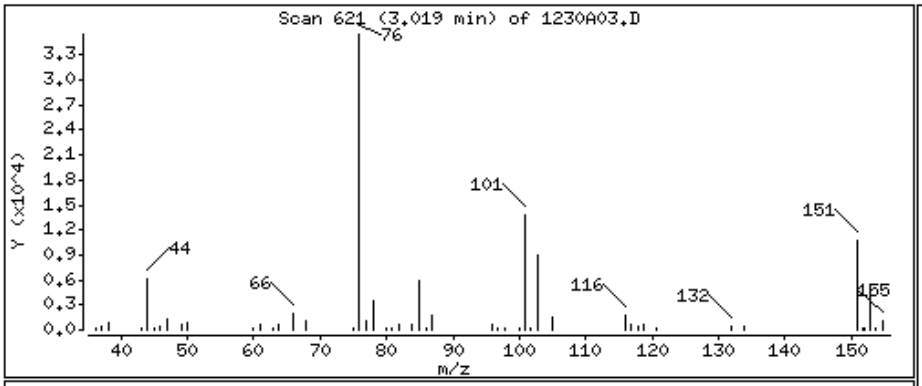
Operator: PD

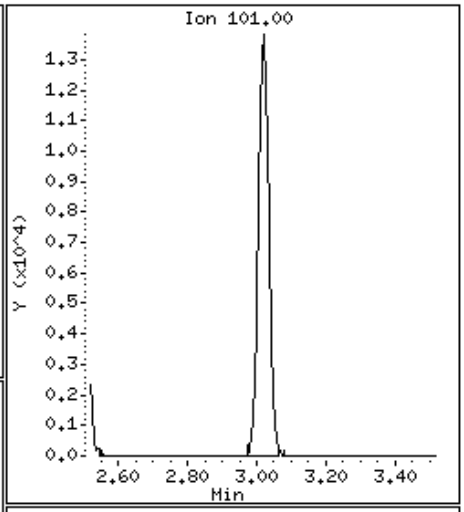
Column phase:

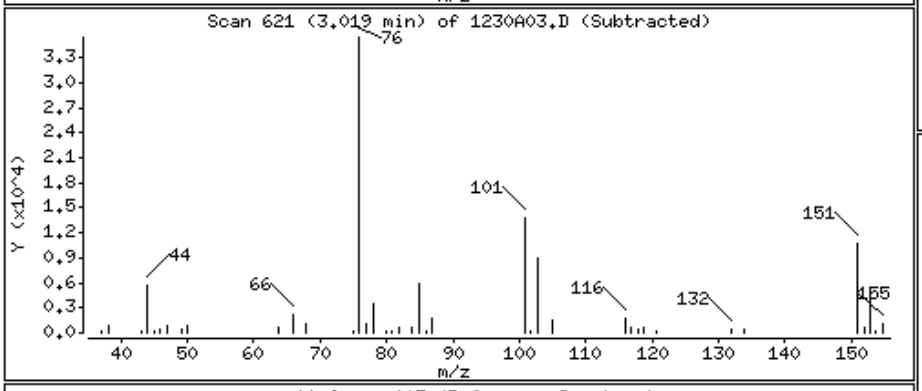
Column diameter: 0.18

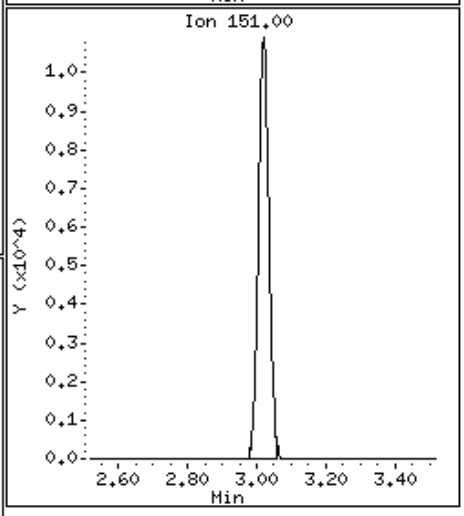
11 freon-113

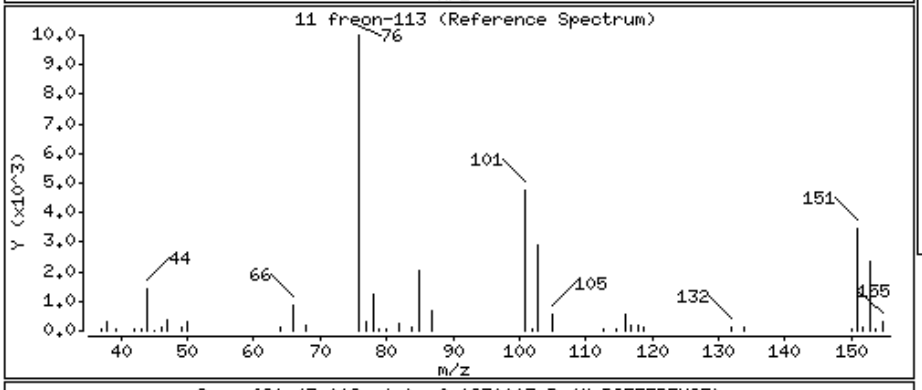
Concentration: 7.408 ngs

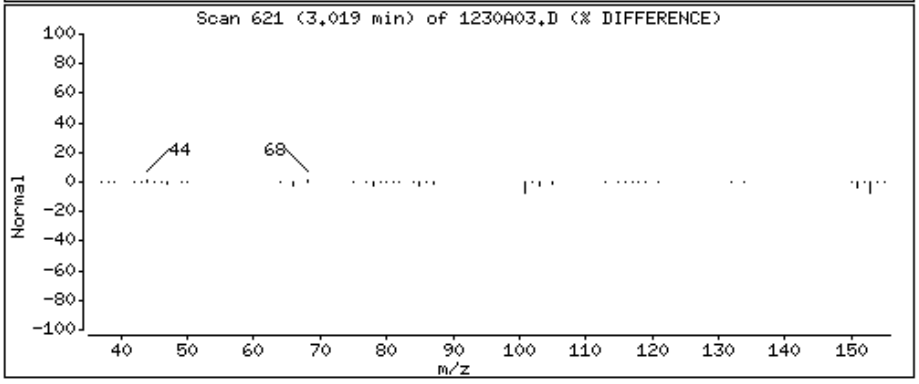












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

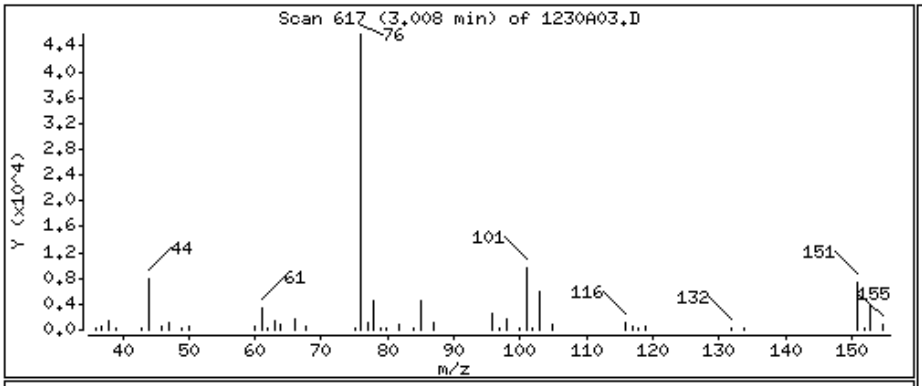
Operator: PD

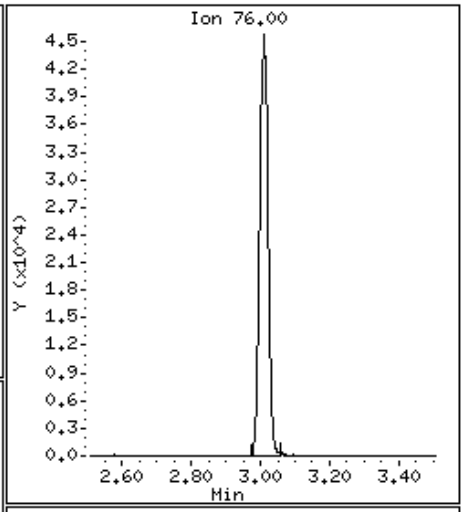
Column phase:

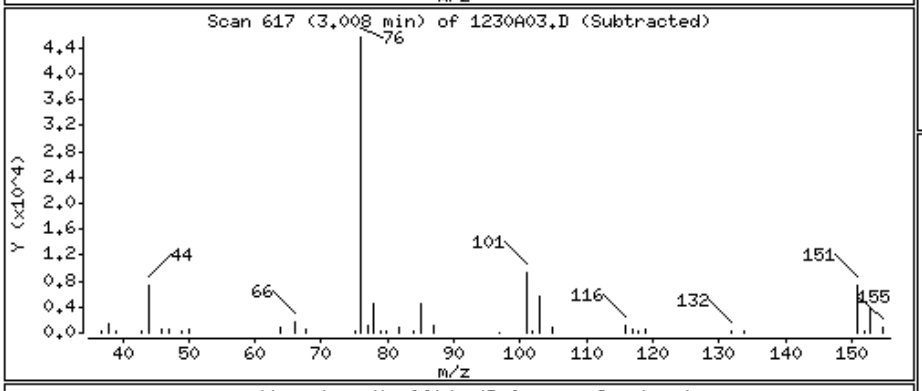
Column diameter: 0.18

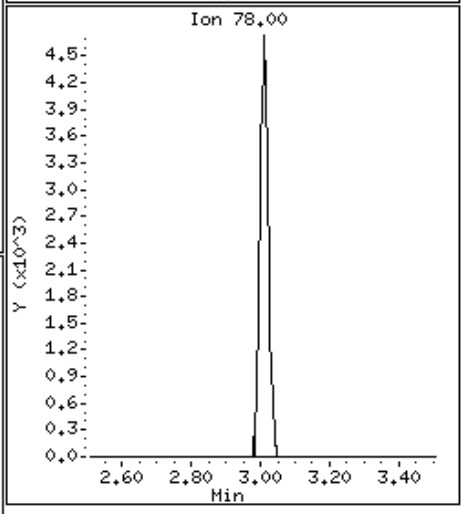
10 carbon disulfide

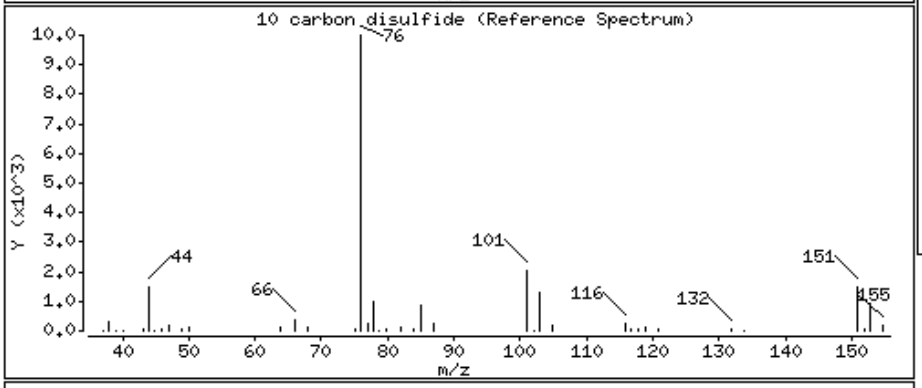
Concentration: 6.607 ngs

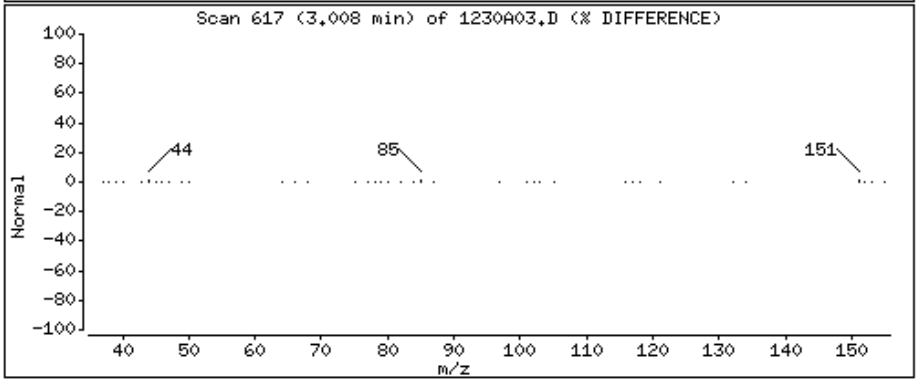












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

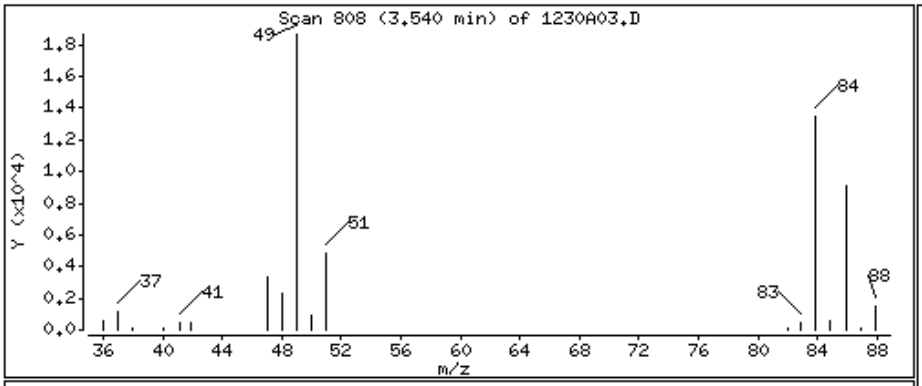
Operator: PD

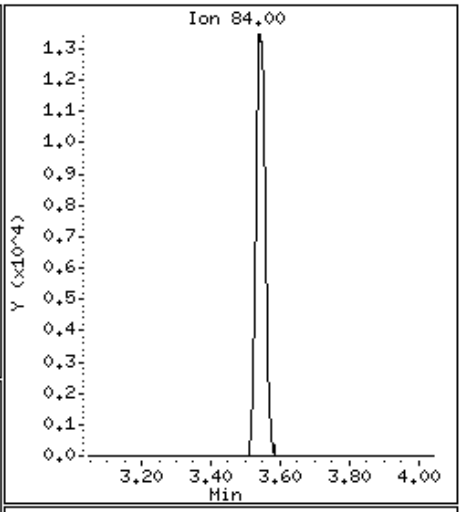
Column phase:

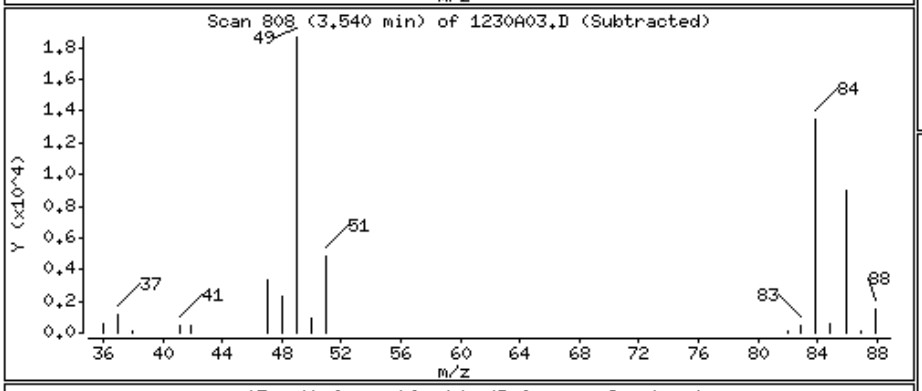
Column diameter: 0.18

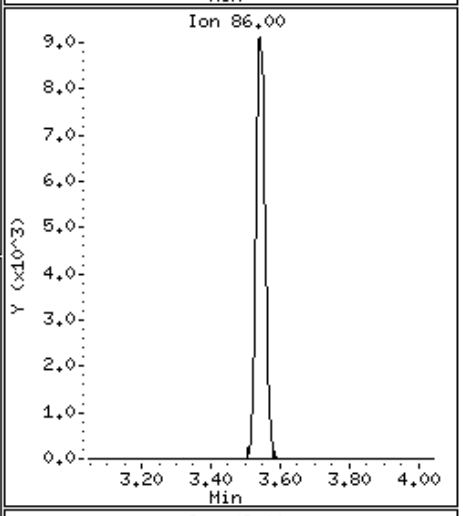
15 methylene chloride

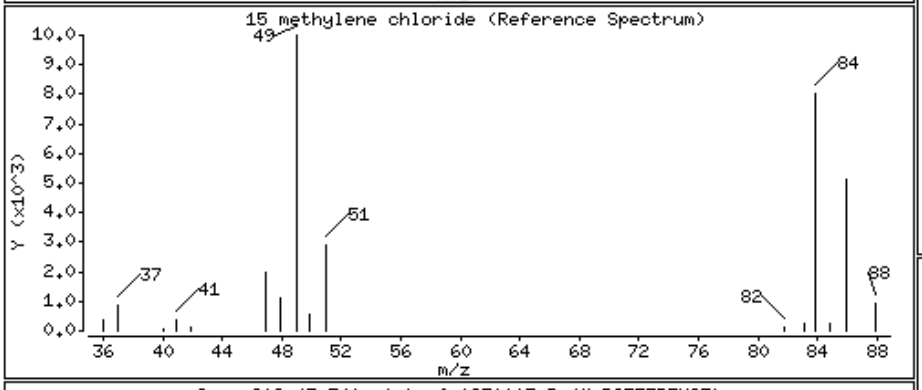
Concentration: 10.420 ngs

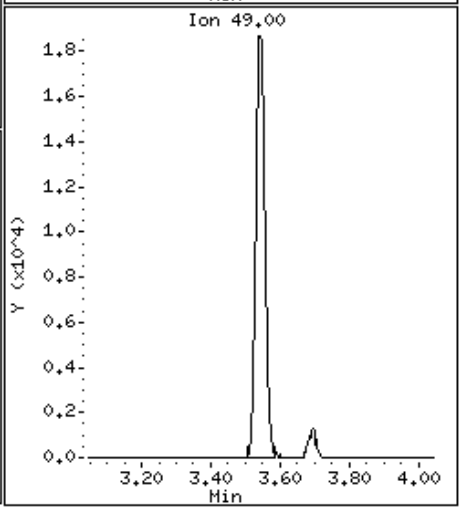


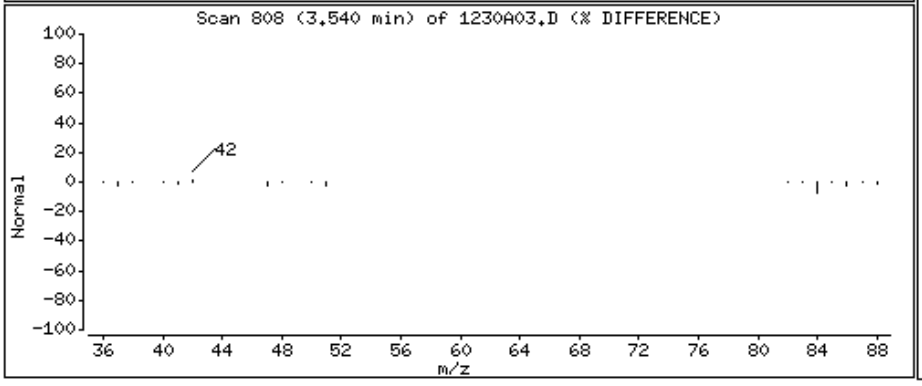












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

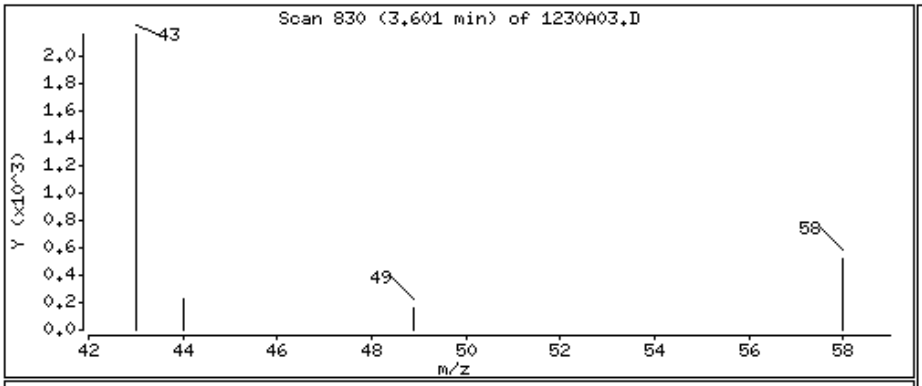
Operator: PD

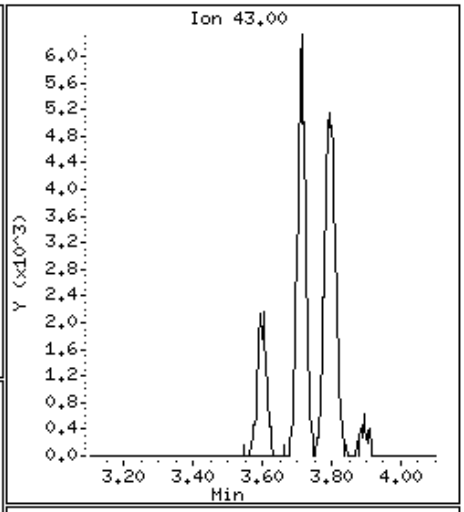
Column phase:

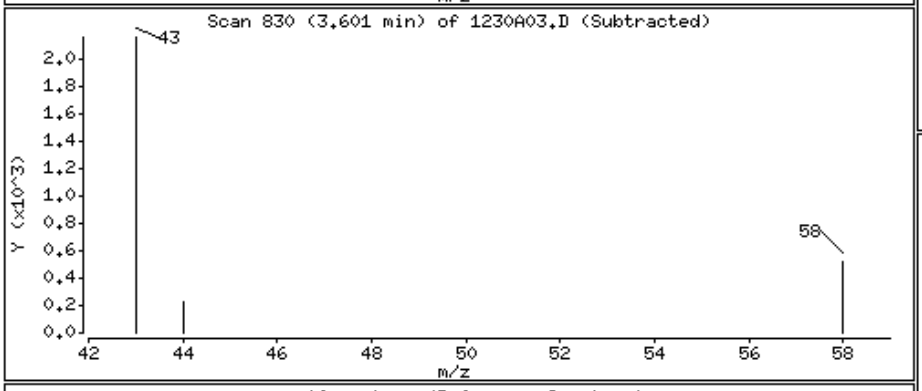
Column diameter: 0.18

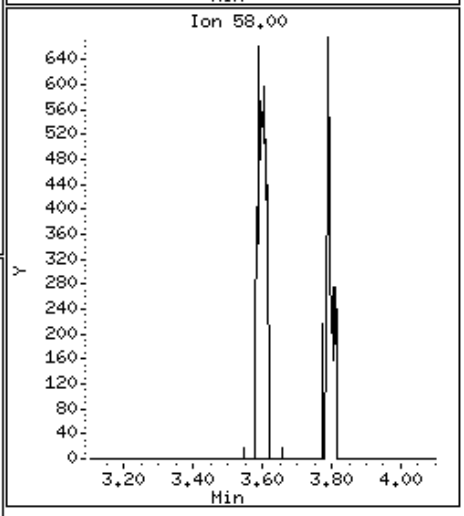
16 acetone

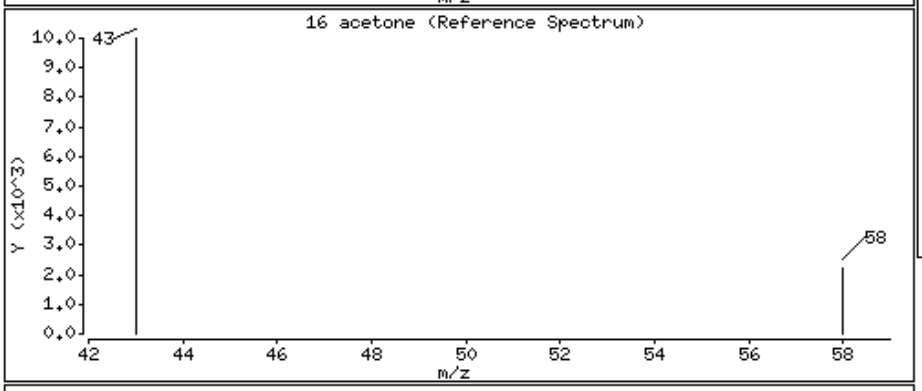
Concentration: 6.508 ngs

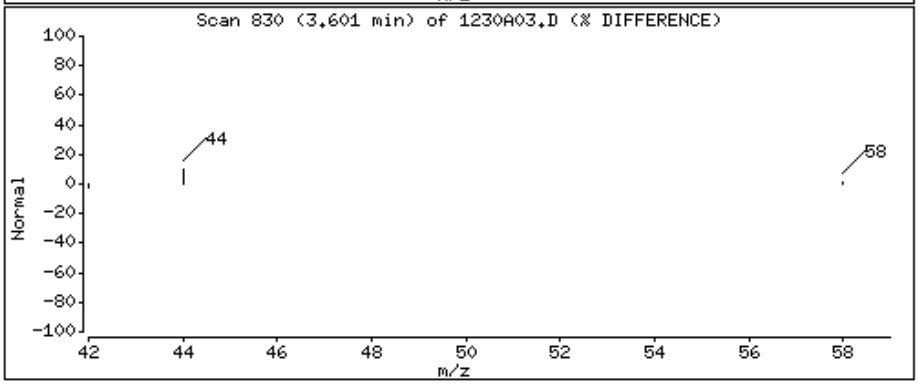












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

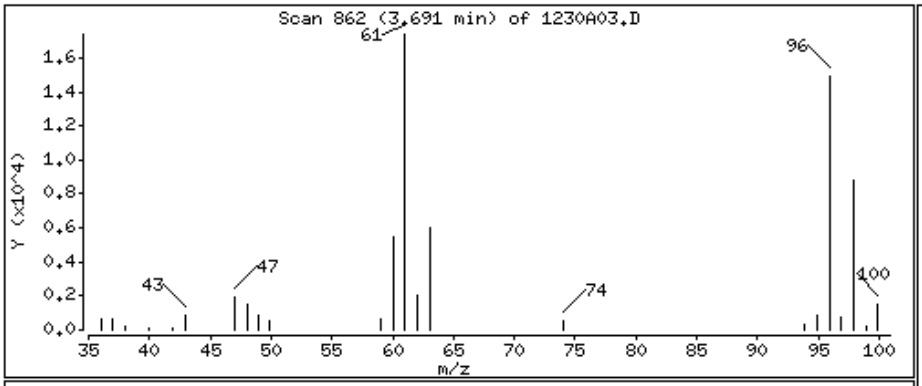
Operator: PD

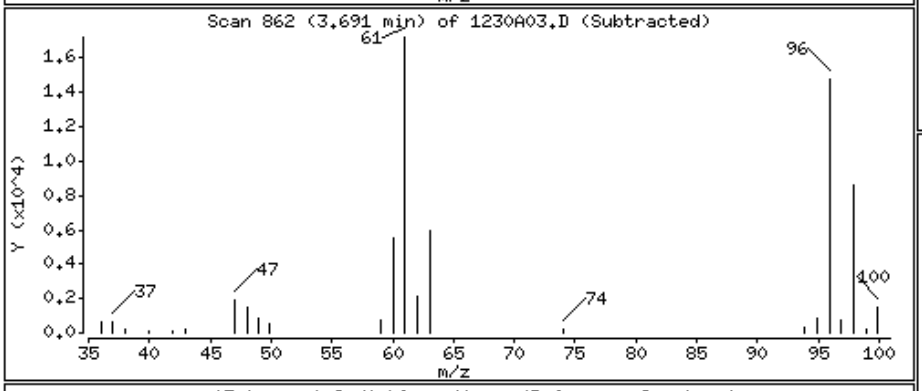
Column phase:

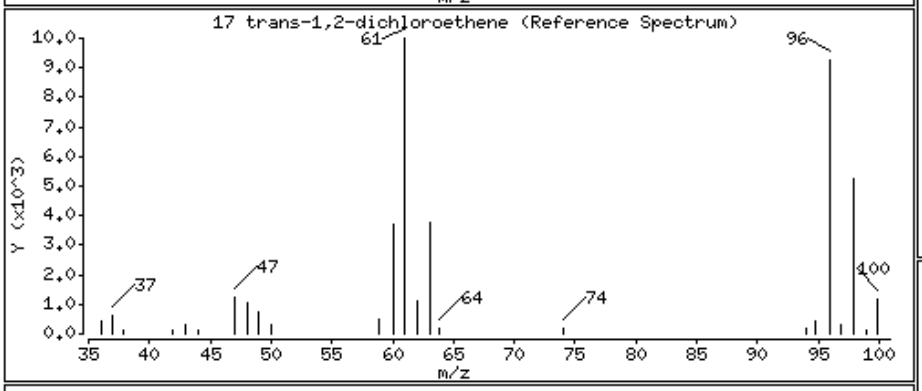
Column diameter: 0.18

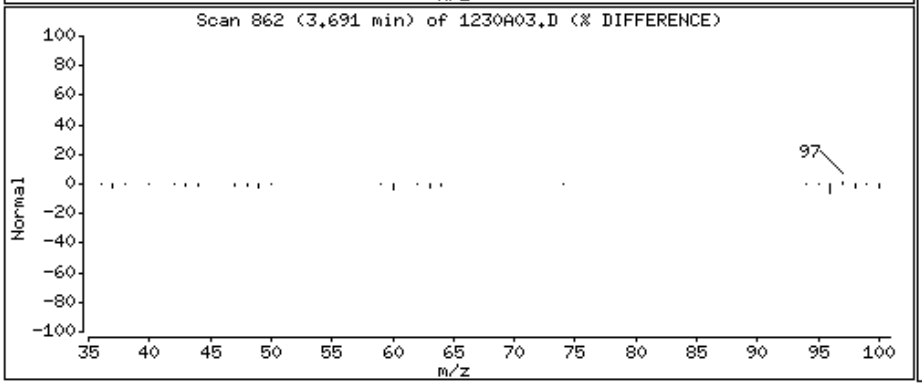
17 trans-1,2-dichloroethene

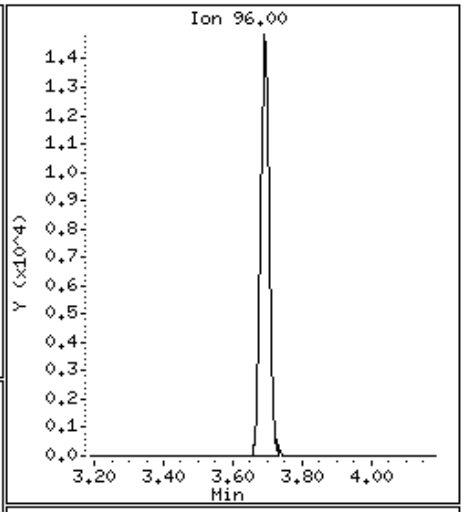
Concentration: 10.794 ngs

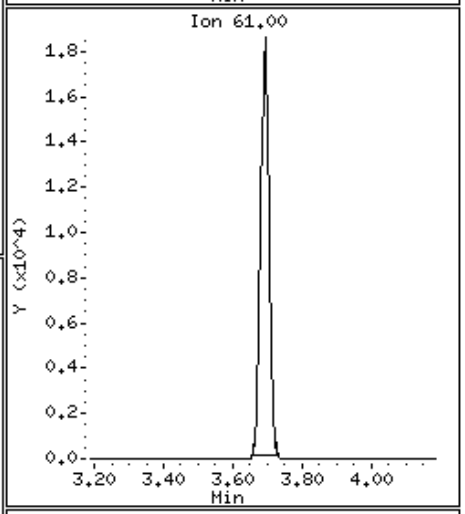


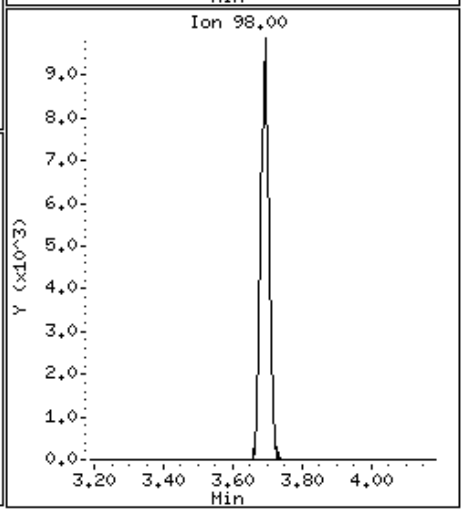












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

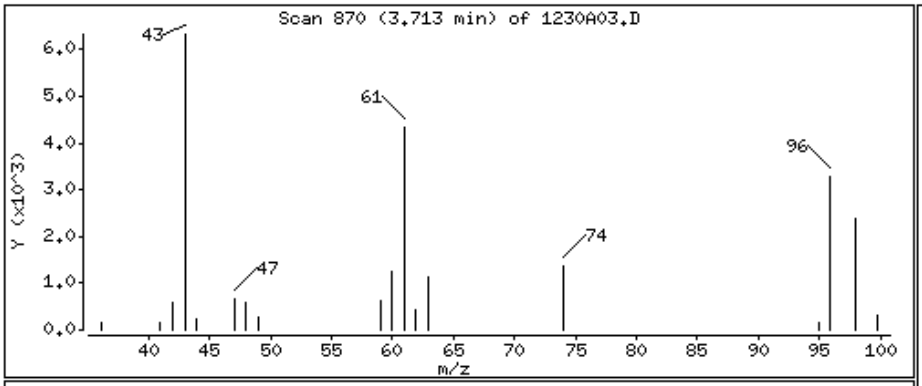
Operator: PD

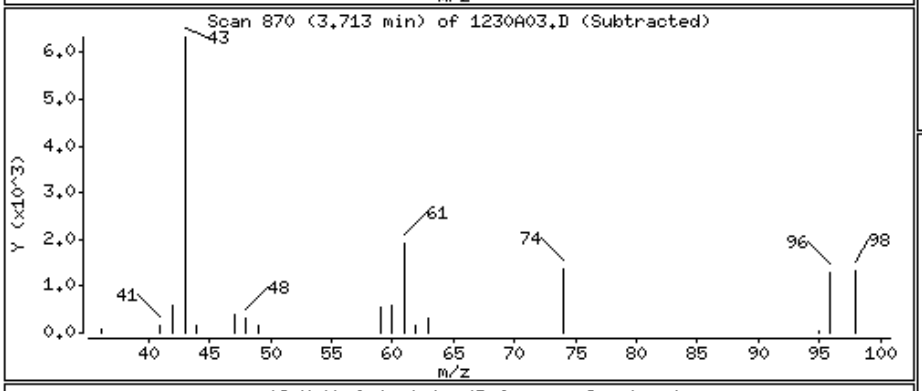
Column phase:

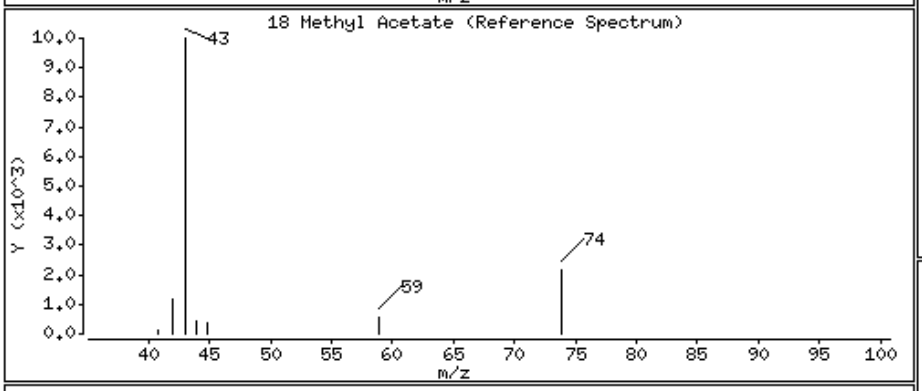
Column diameter: 0.18

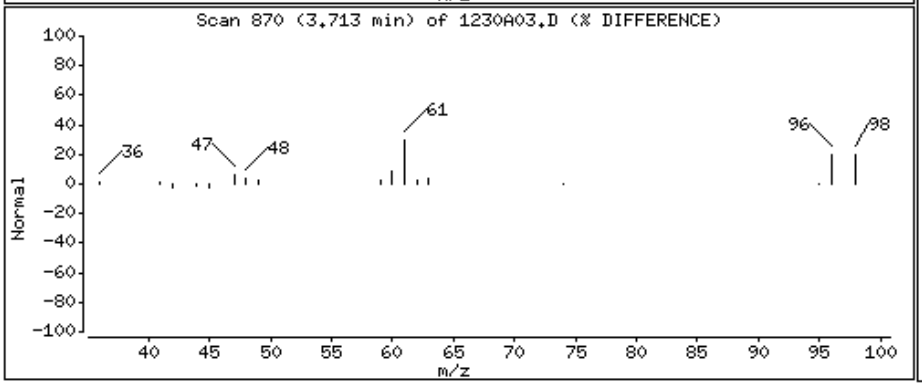
18 Methyl Acetate

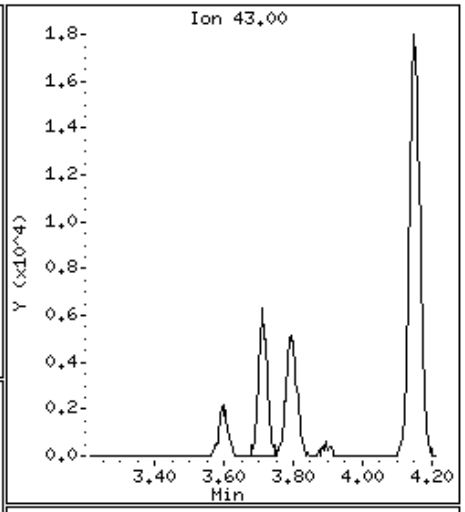
Concentration: 10.451 ngs

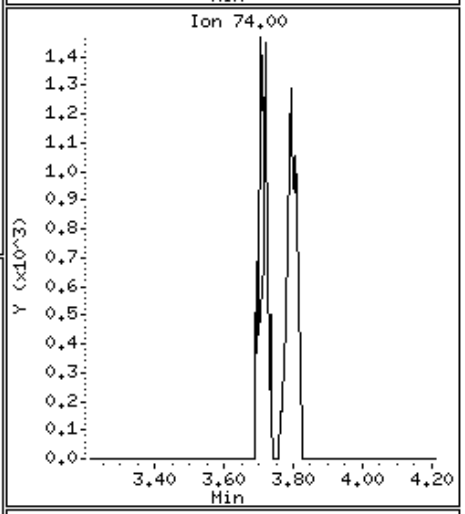


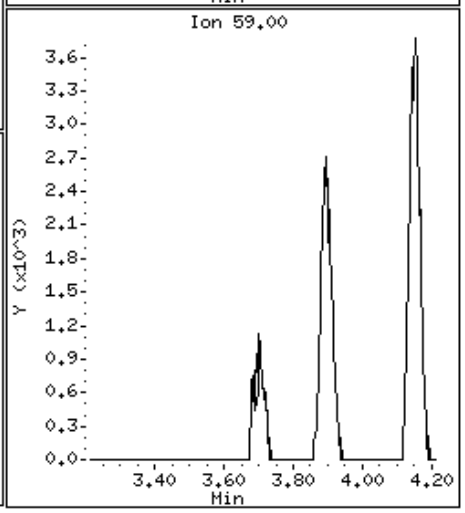












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

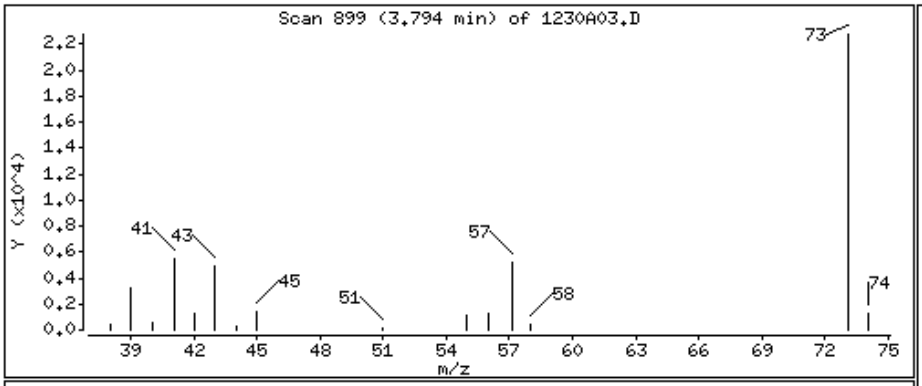
Operator: PD

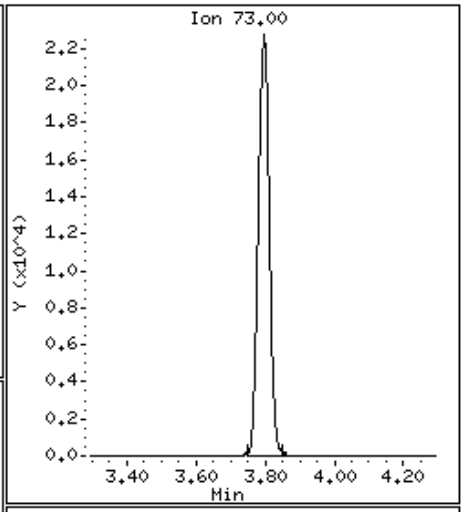
Column phase:

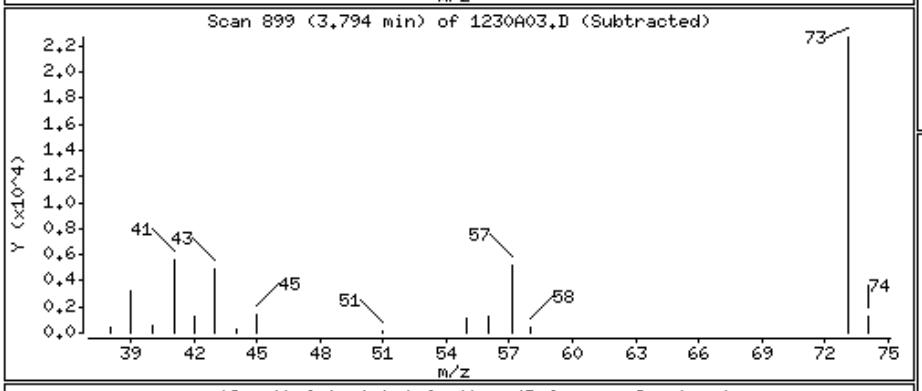
Column diameter: 0.18

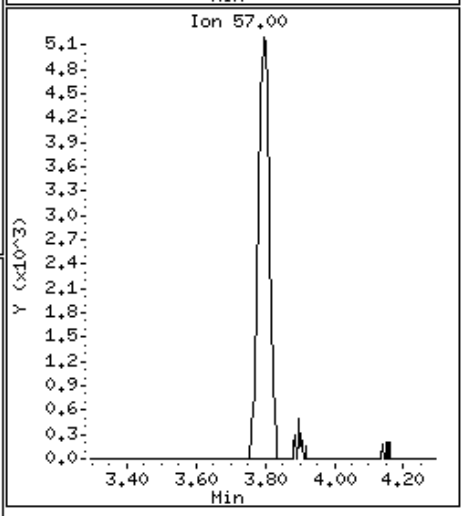
19 methyl tert butyl ether

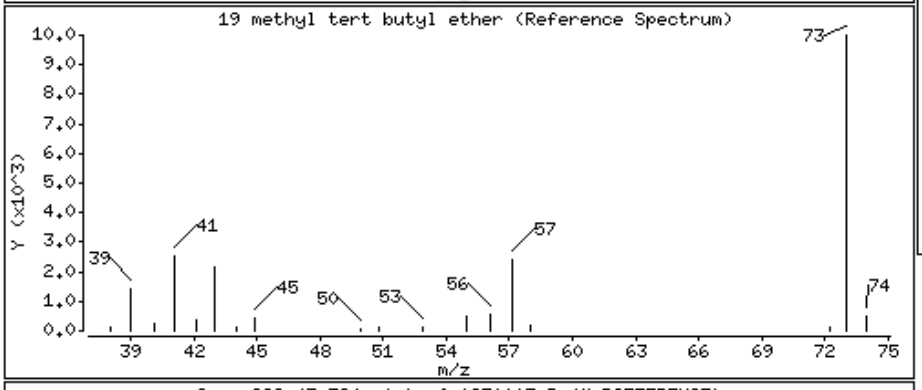
Concentration: 9.242 ngs

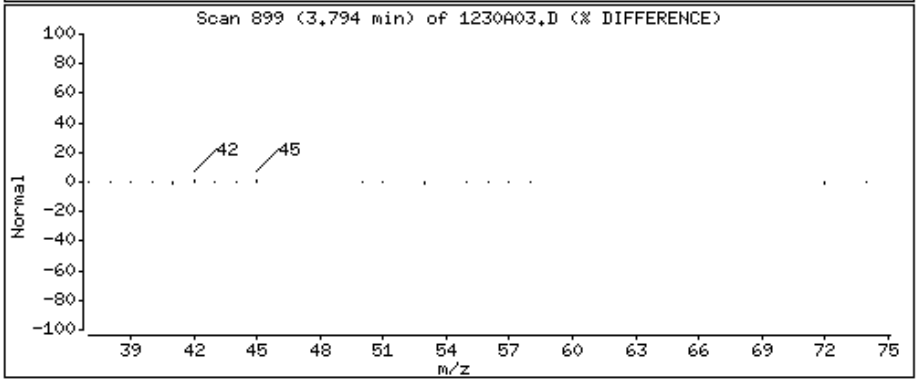












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

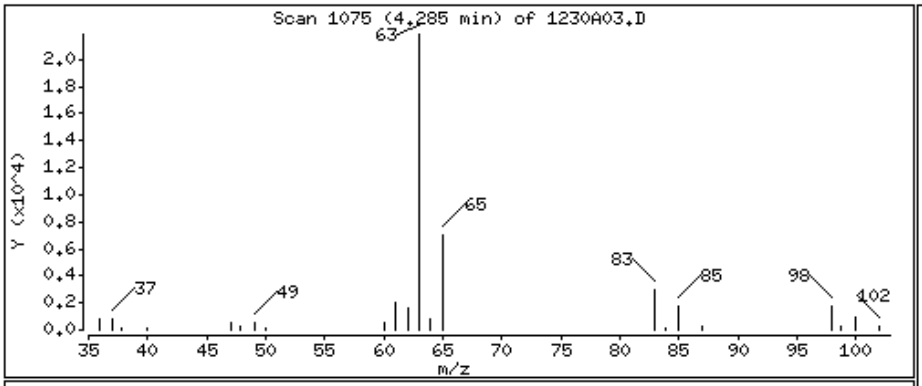
Operator: PD

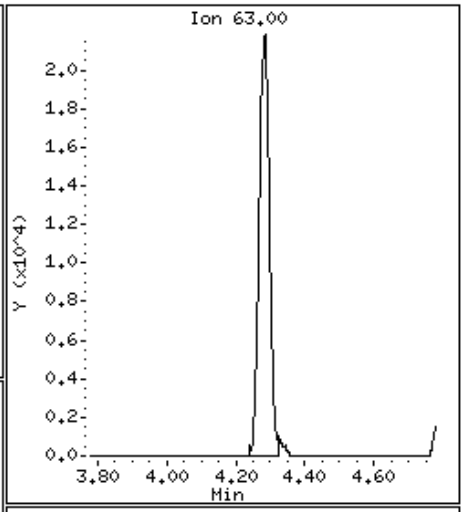
Column phase:

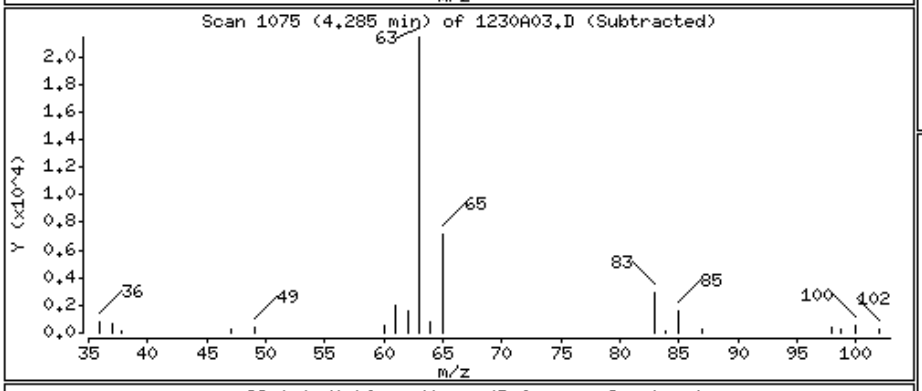
Column diameter: 0.18

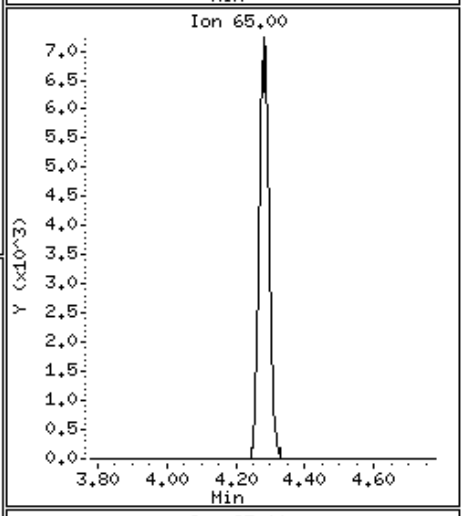
22 1,1-dichloroethane

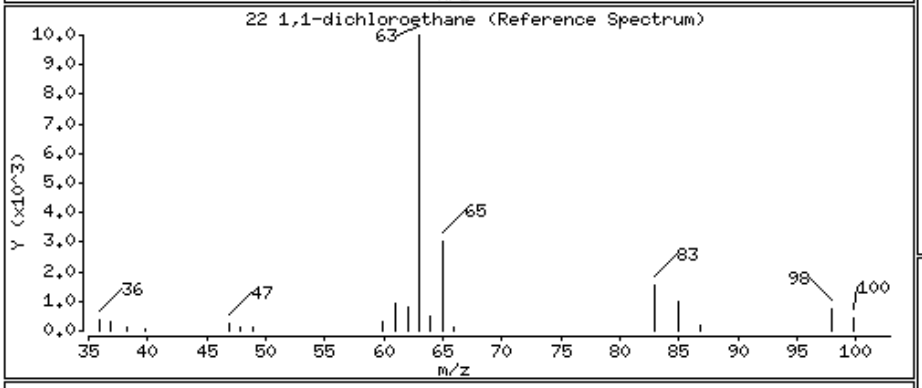
Concentration: 10.556 ngs

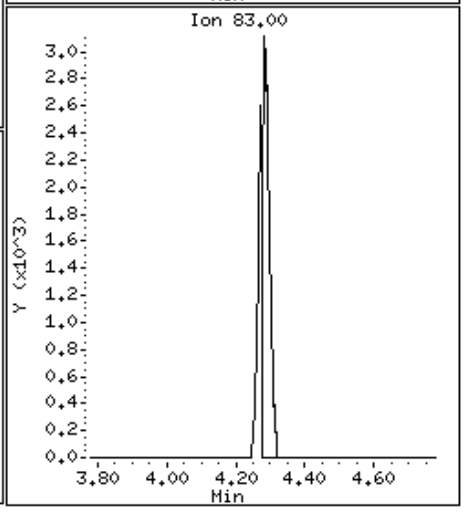


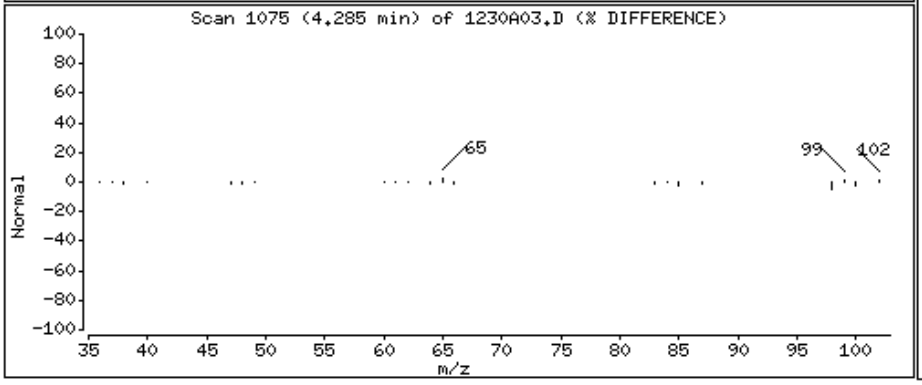












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

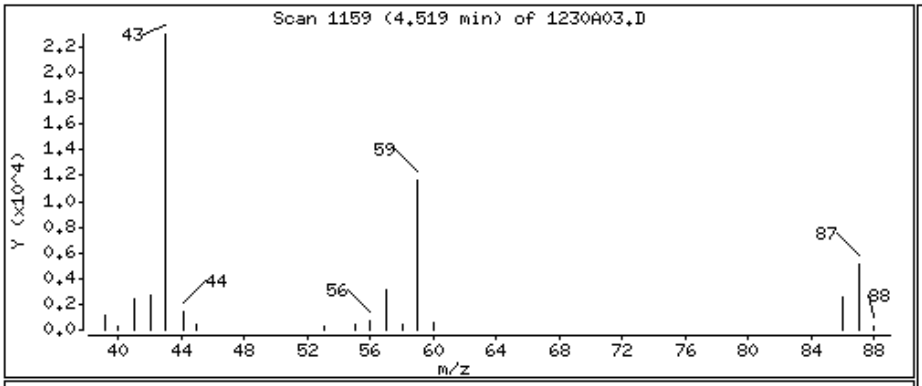
Operator: PD

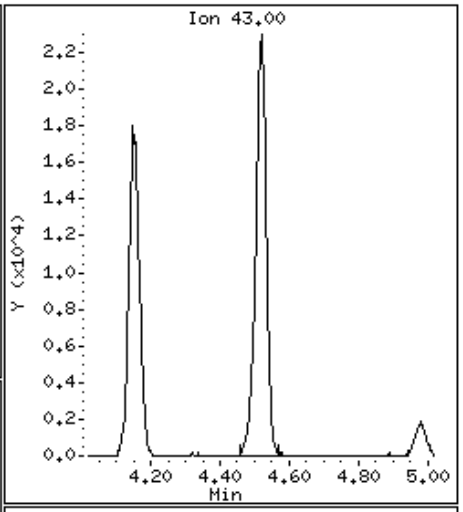
Column phase:

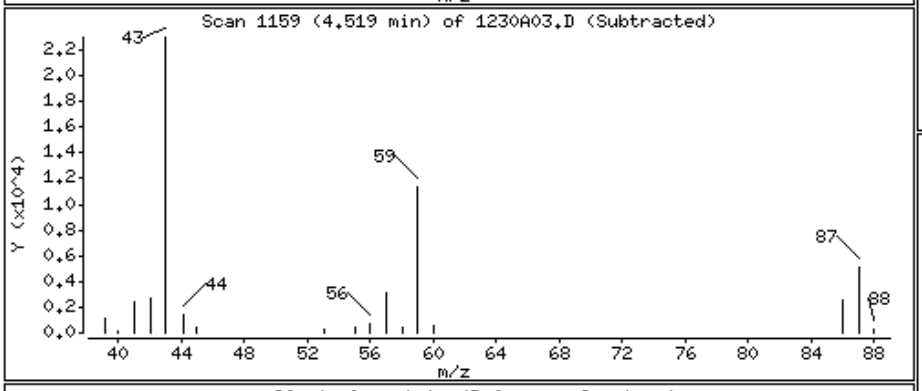
Column diameter: 0.18

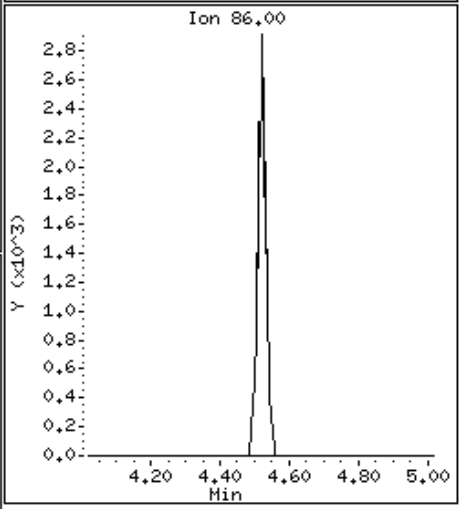
26 vinyl acetate

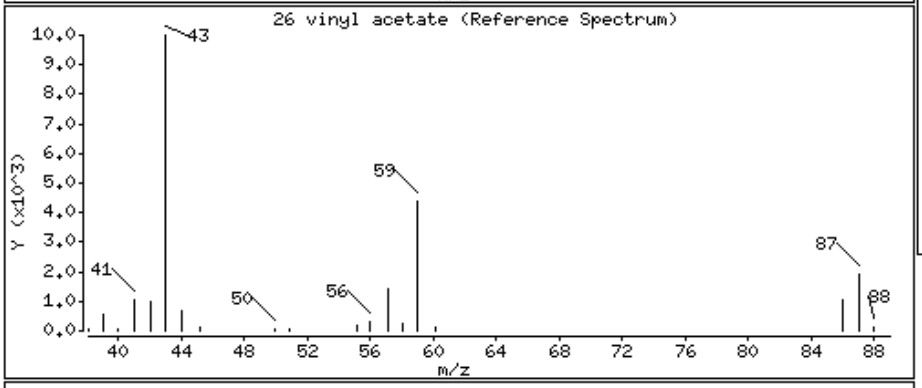
Concentration: 9.548 ngs

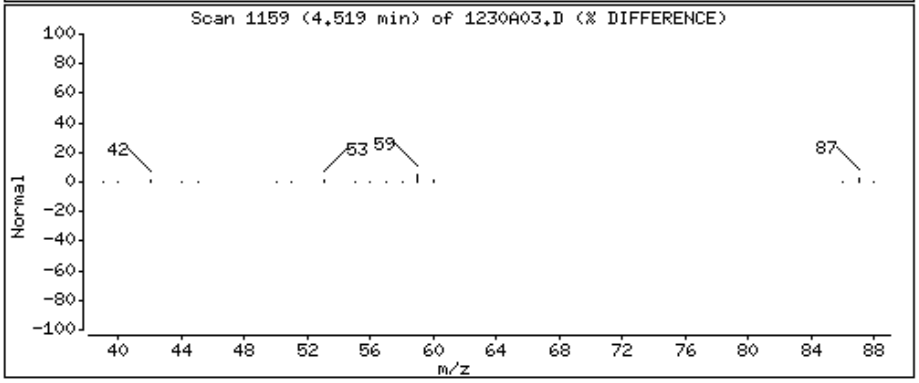












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

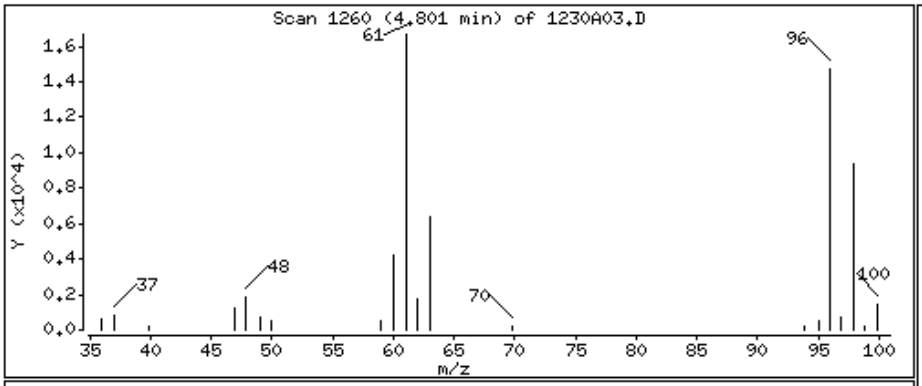
Operator: PD

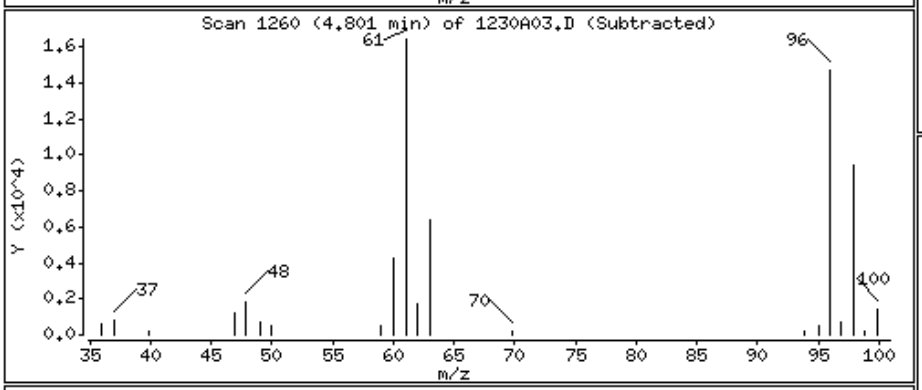
Column phase:

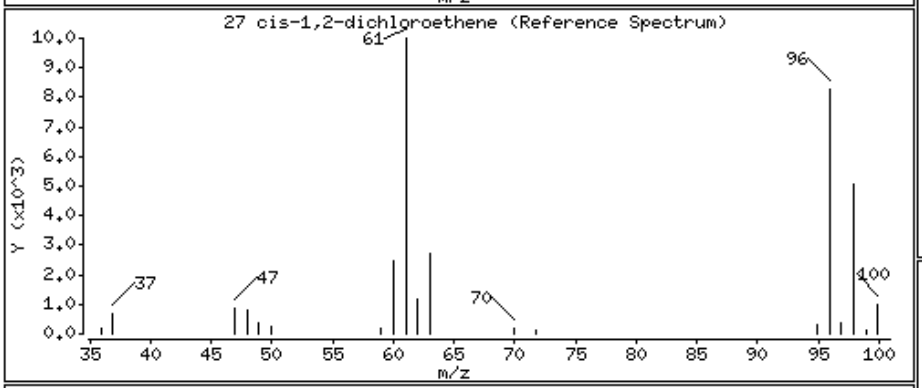
Column diameter: 0.18

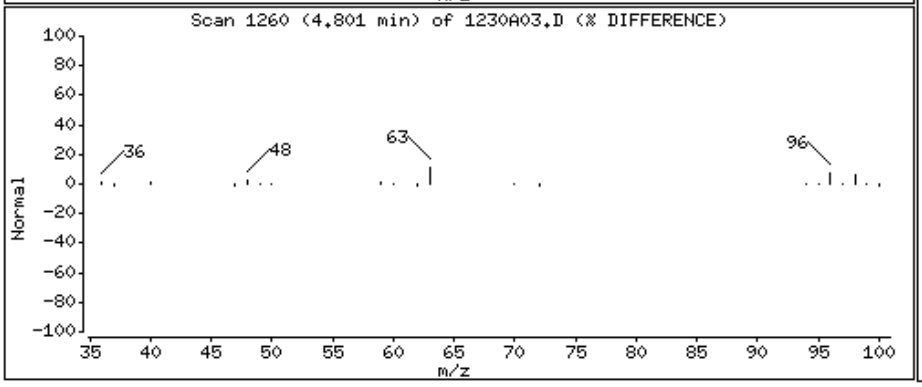
27 cis-1,2-dichloroethene

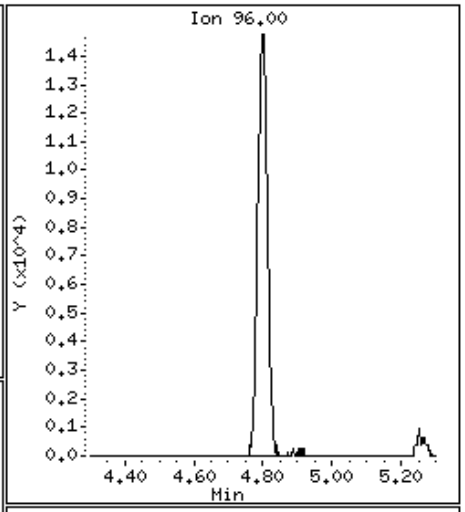
Concentration: 10.109 ngs

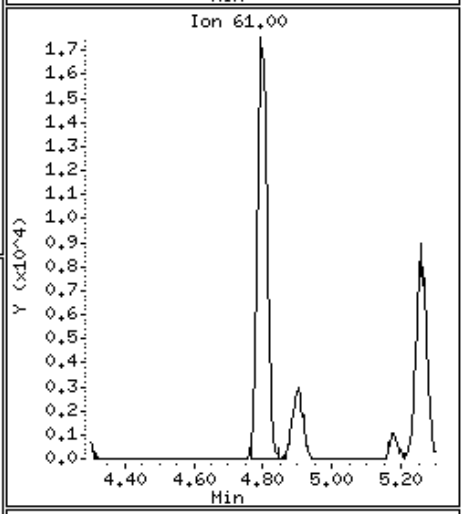


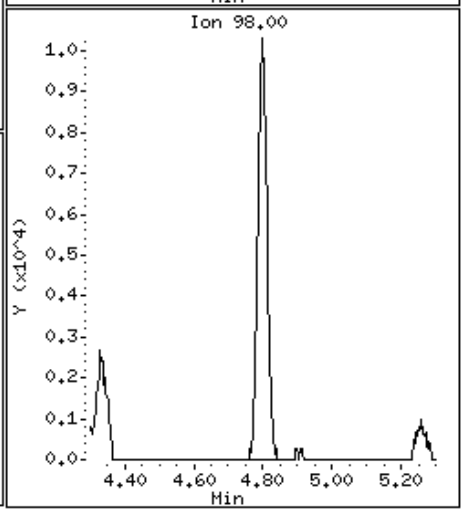












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

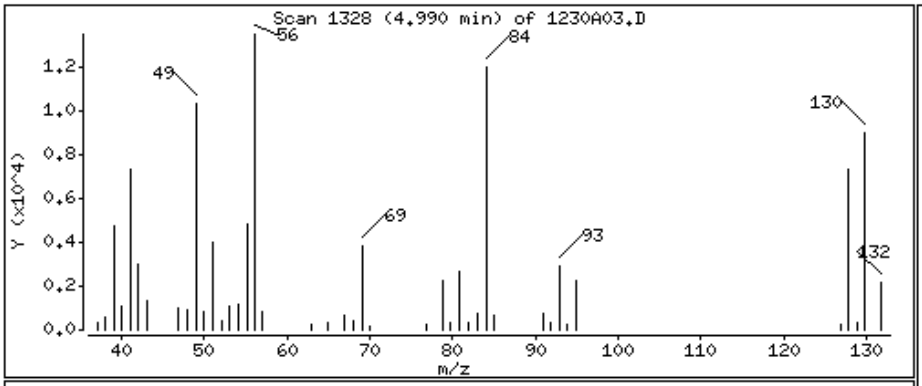
Operator: PD

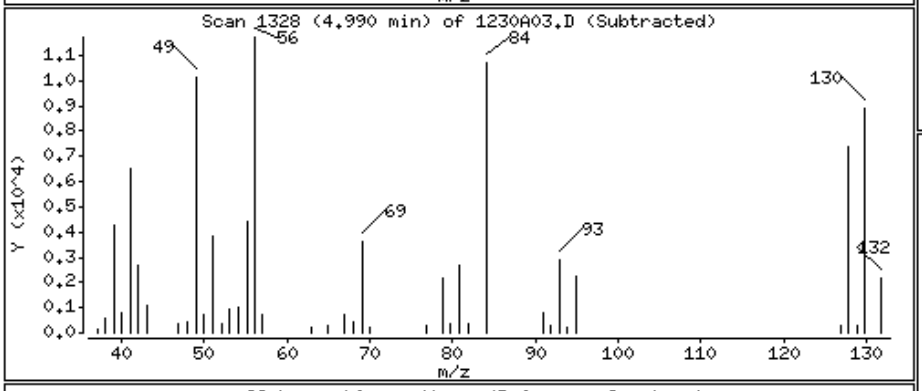
Column phase:

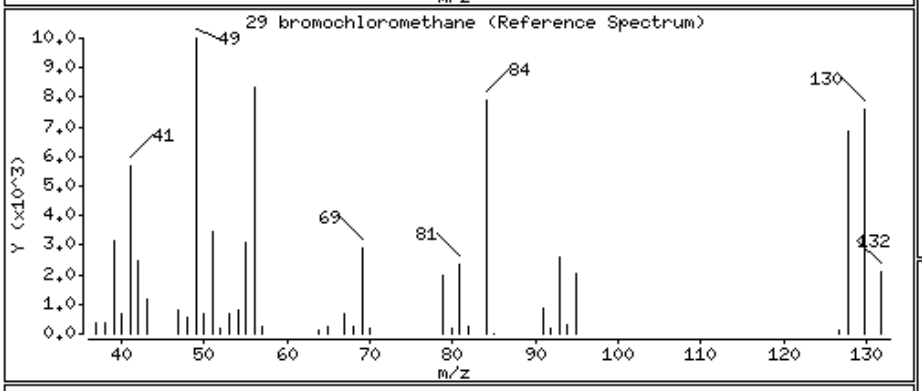
Column diameter: 0.18

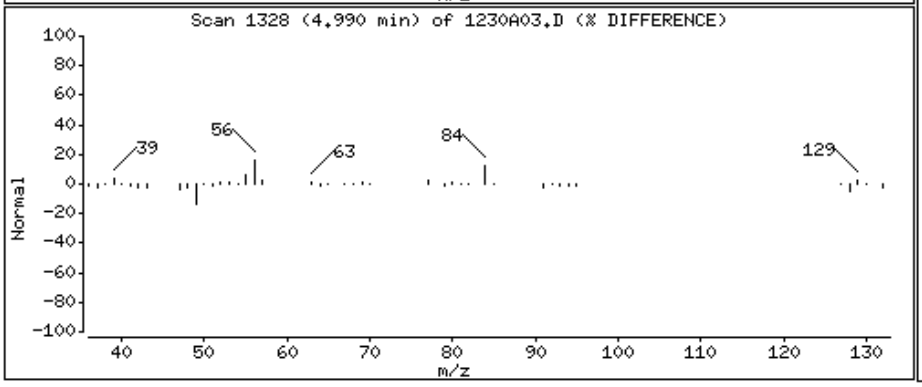
29 bromochloromethane

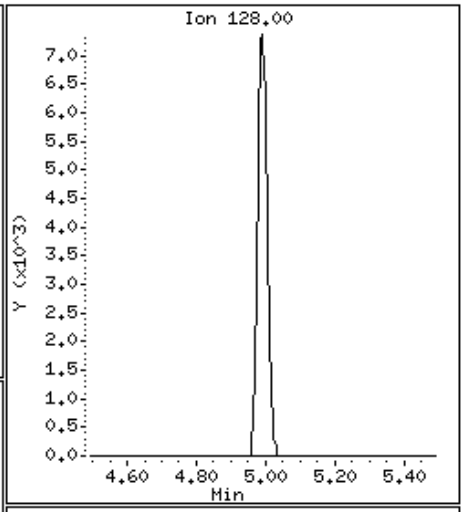
Concentration: 10.685 ngs

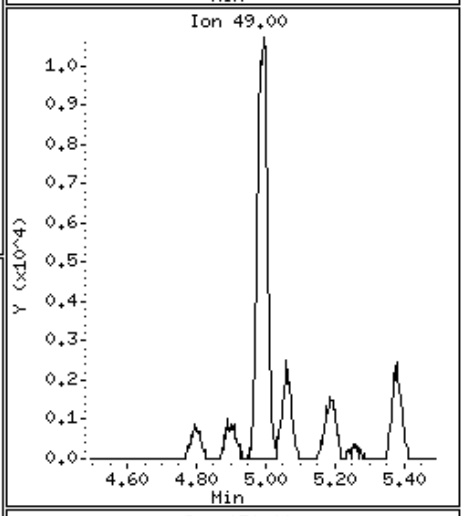


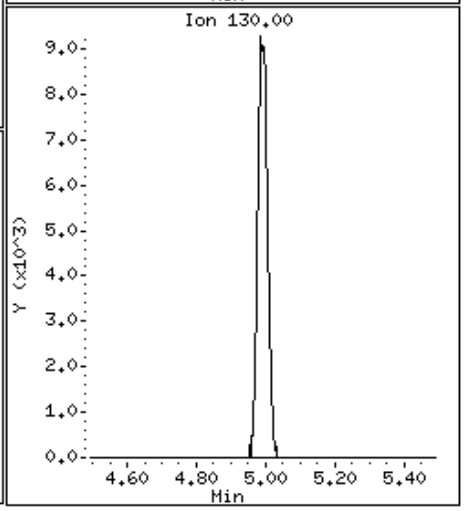












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

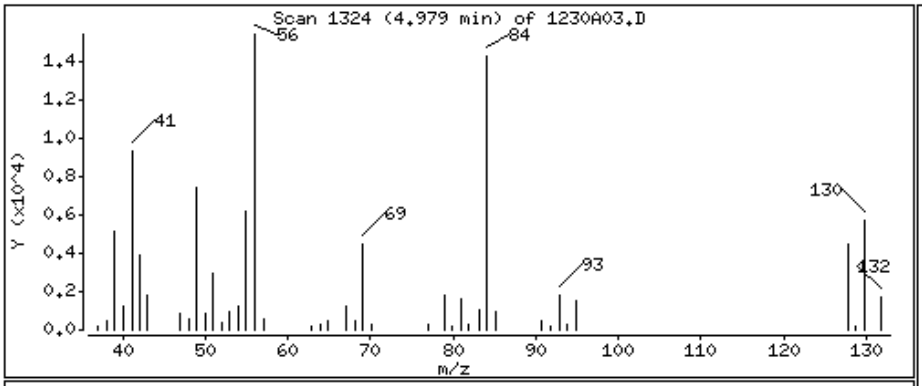
Operator: PD

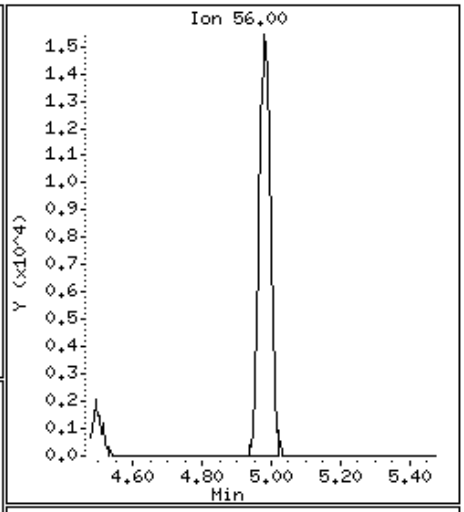
Column phase:

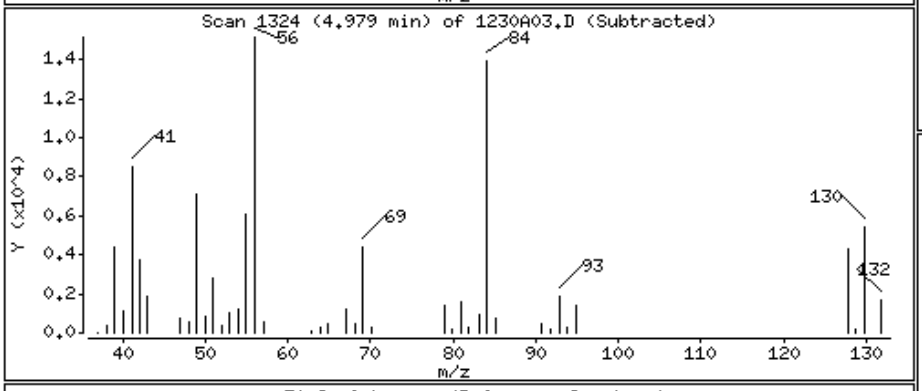
Column diameter: 0.18

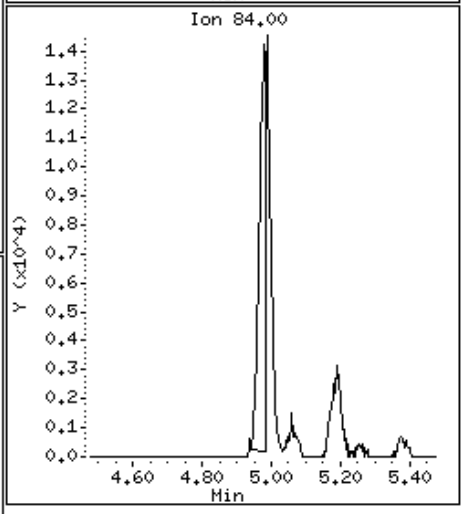
30 Cyclohexane

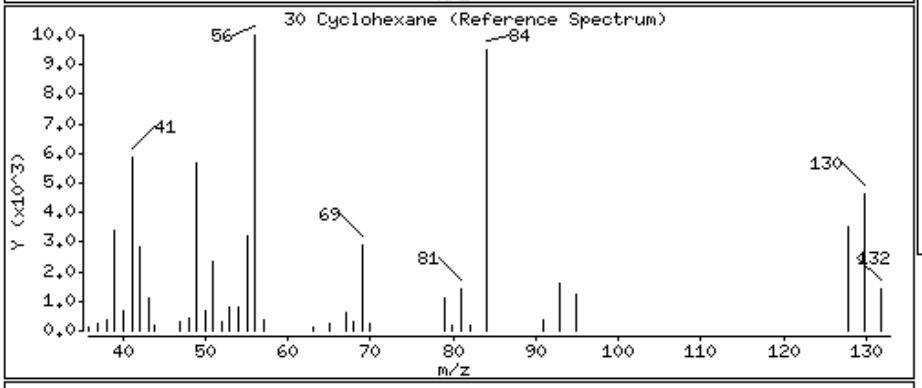
Concentration: 10.175 ngs

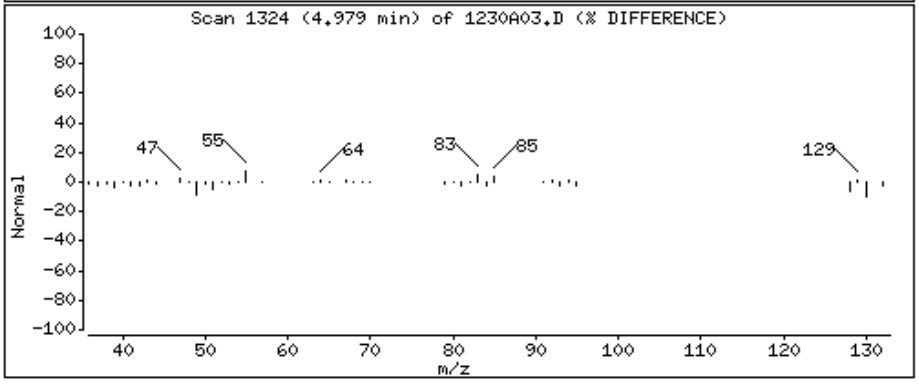












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

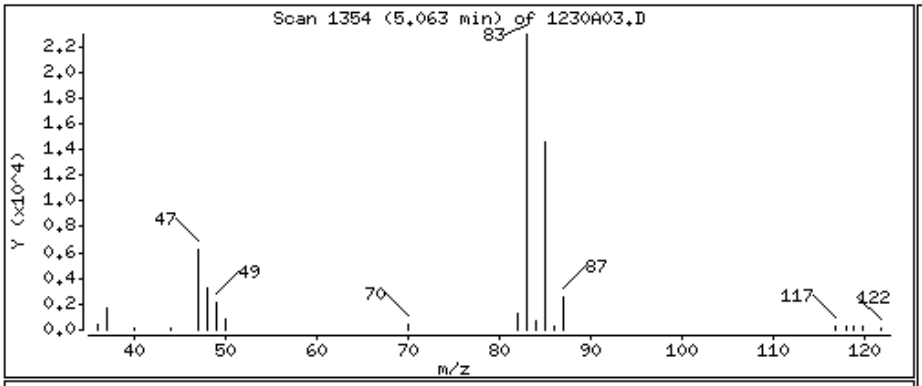
Operator: PD

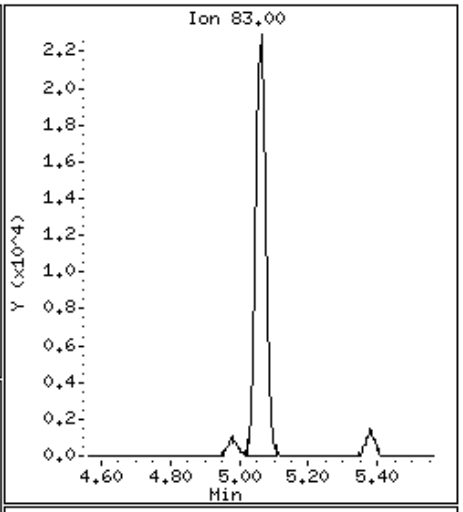
Column phase:

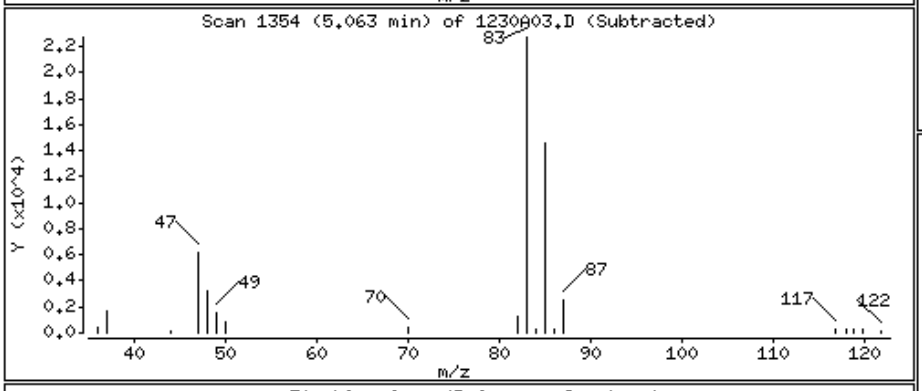
Column diameter: 0.18

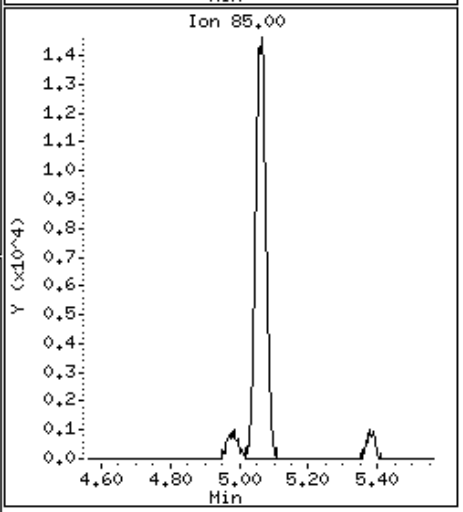
31 chloroform

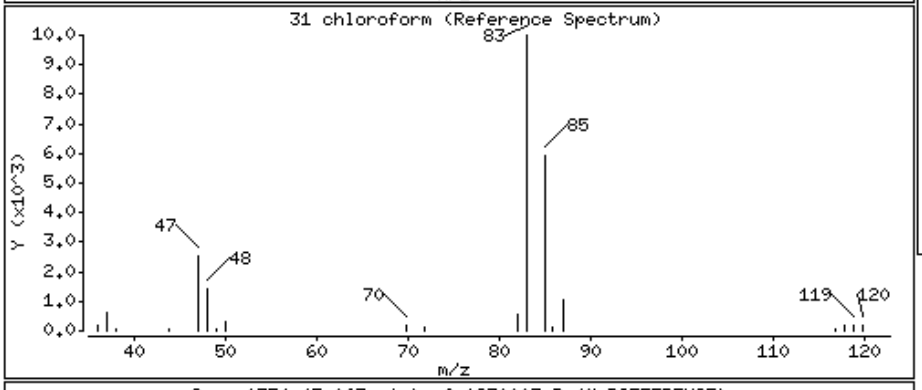
Concentration: 10.097 ngs

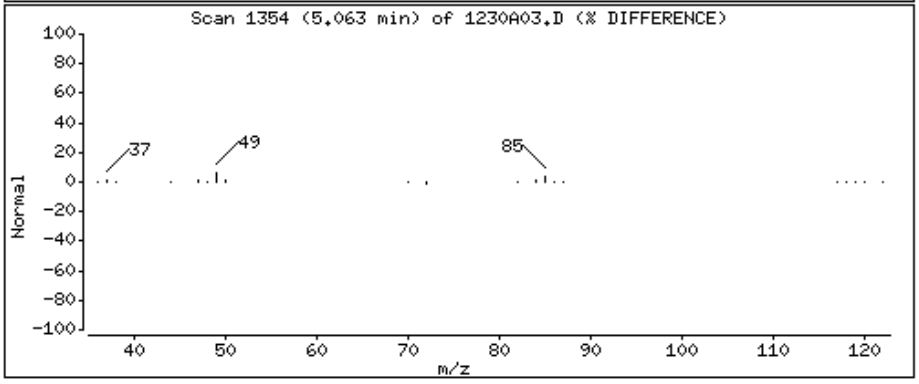












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

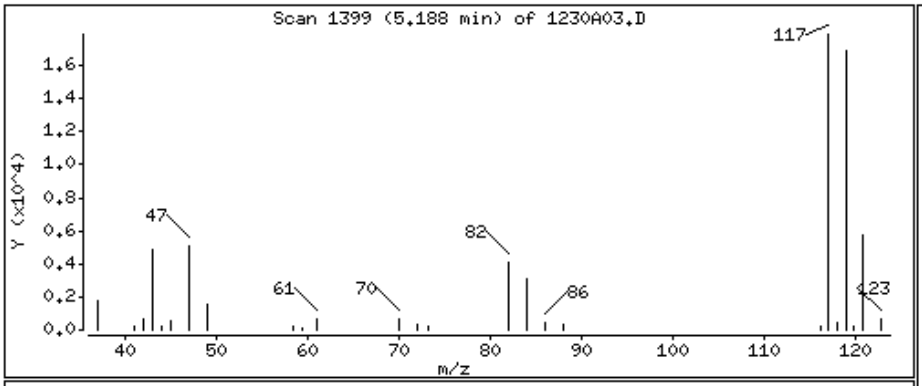
Operator: PD

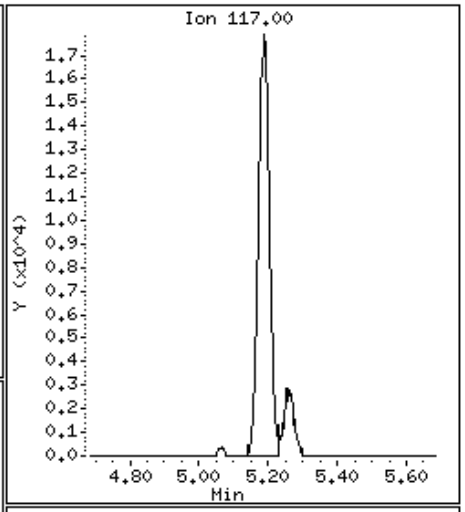
Column phase:

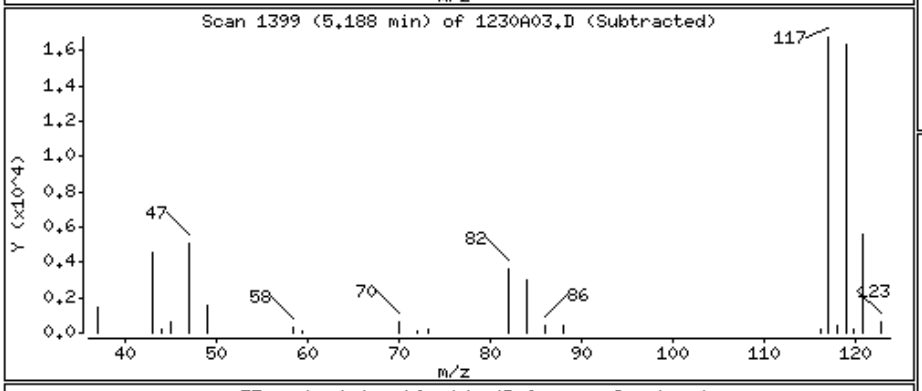
Column diameter: 0.18

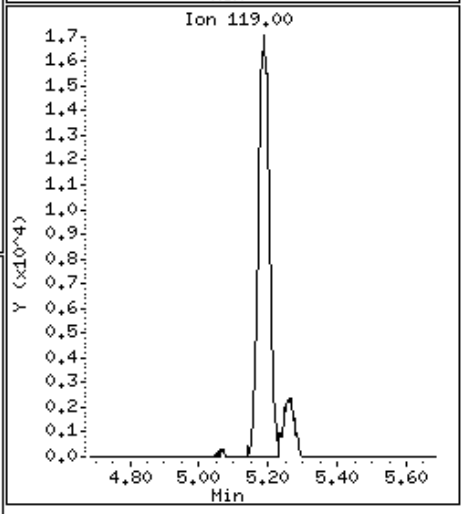
33 carbontetrachloride

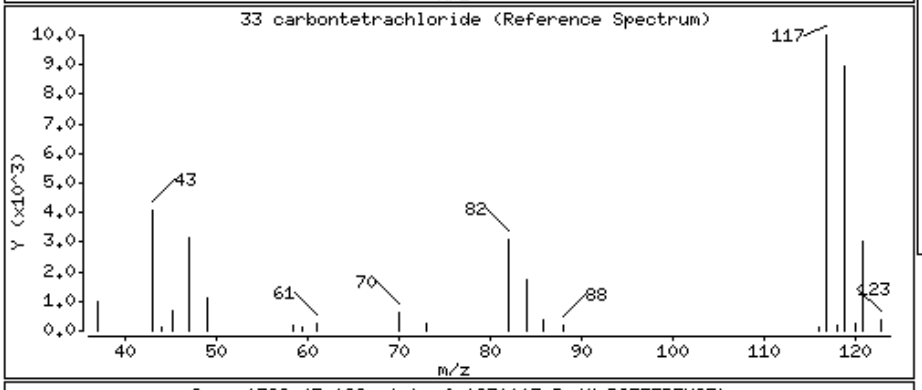
Concentration: 10.866 ngs

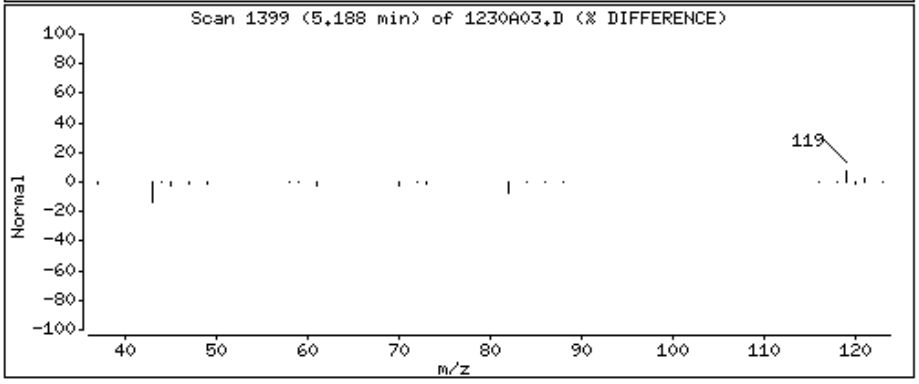












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

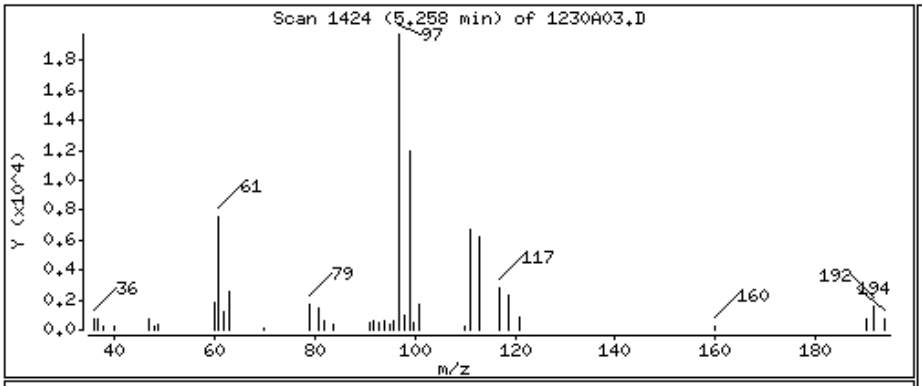
Operator: PD

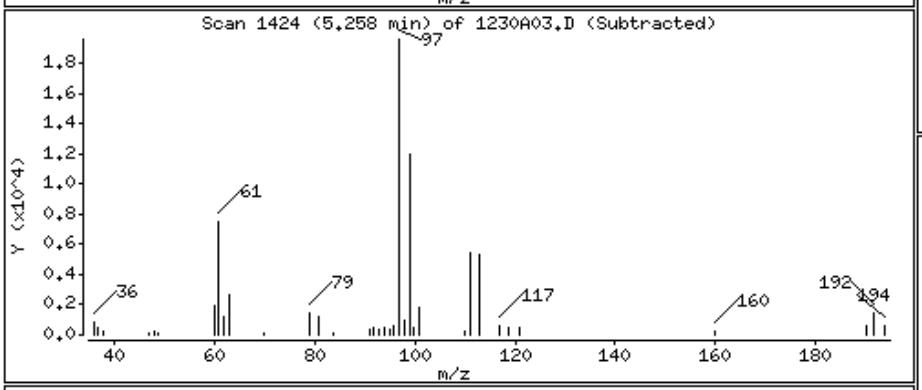
Column phase:

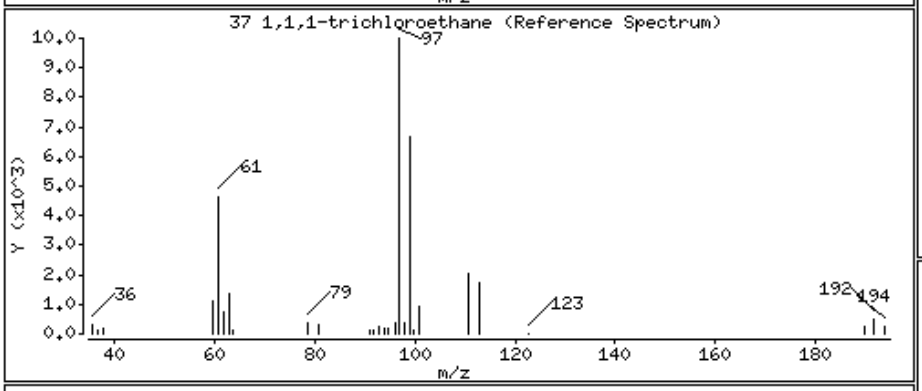
Column diameter: 0.18

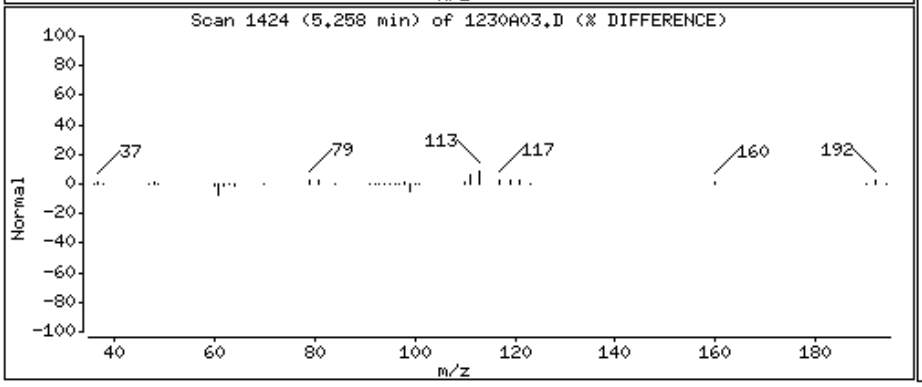
37 1,1,1-trichloroethane

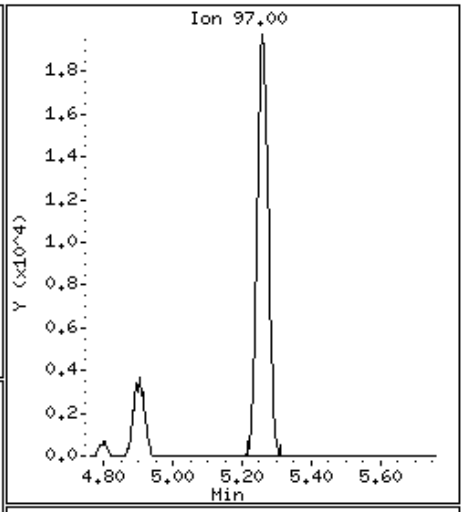
Concentration: 11.012 ngs

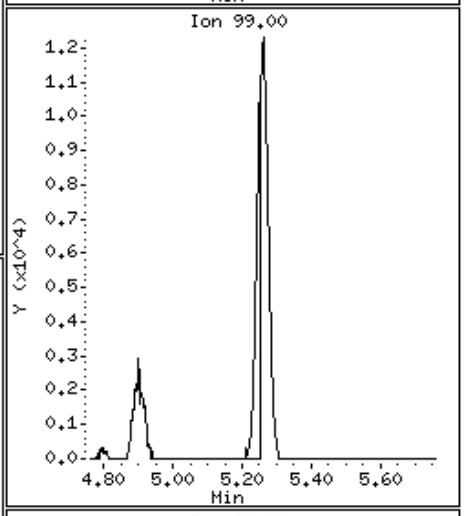


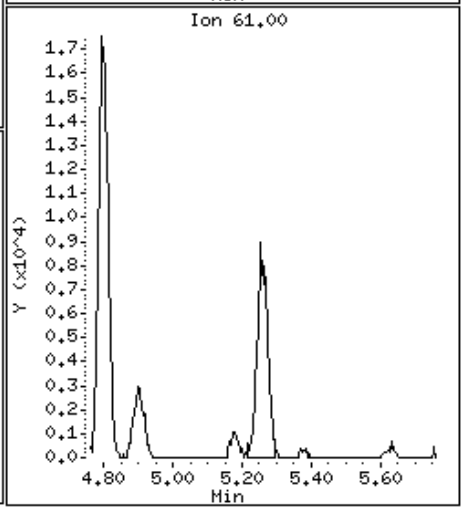












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

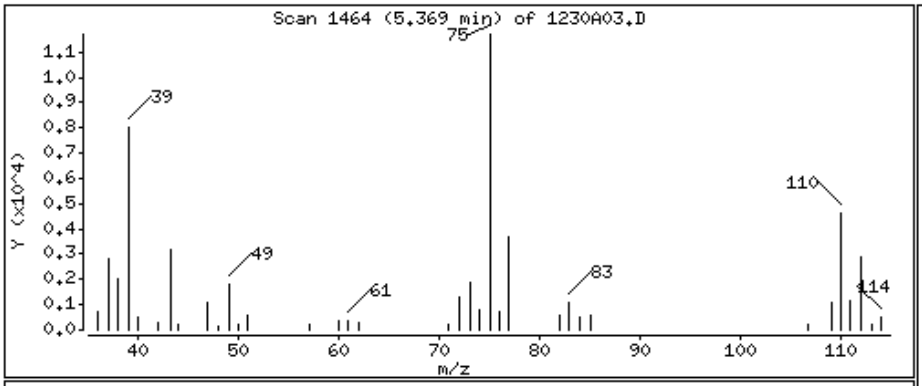
Operator: PD

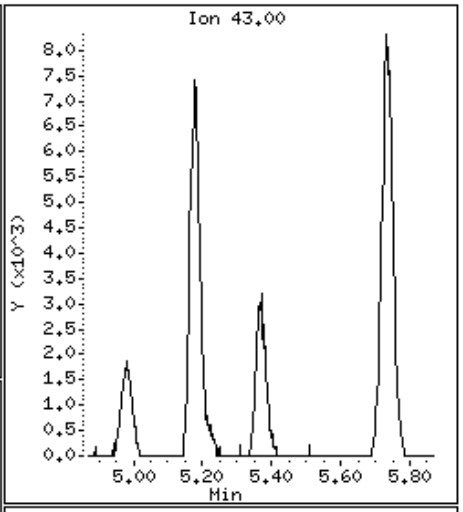
Column phase:

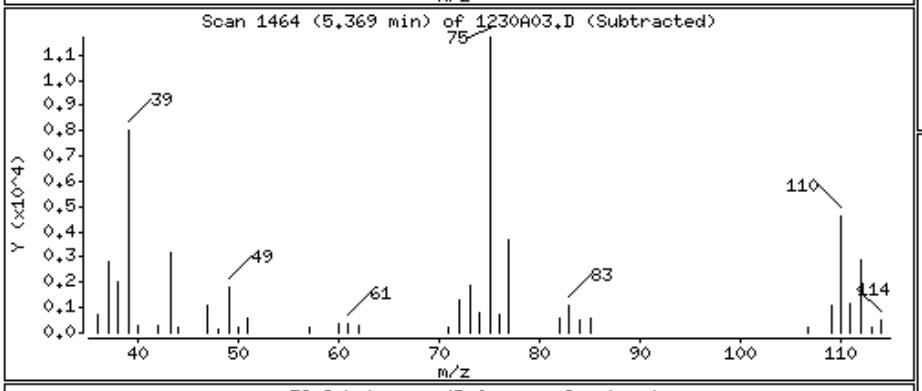
Column diameter: 0.18

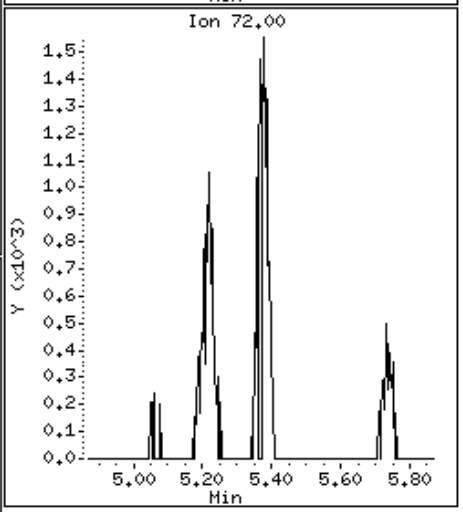
38 2-butanone

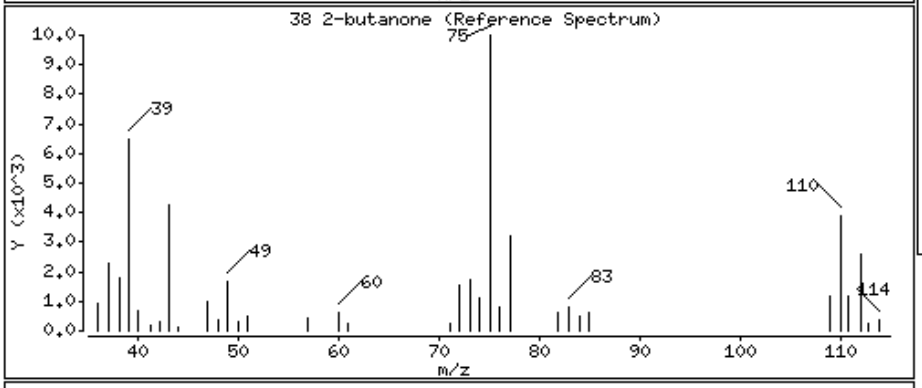
Concentration: 7.966 ngs

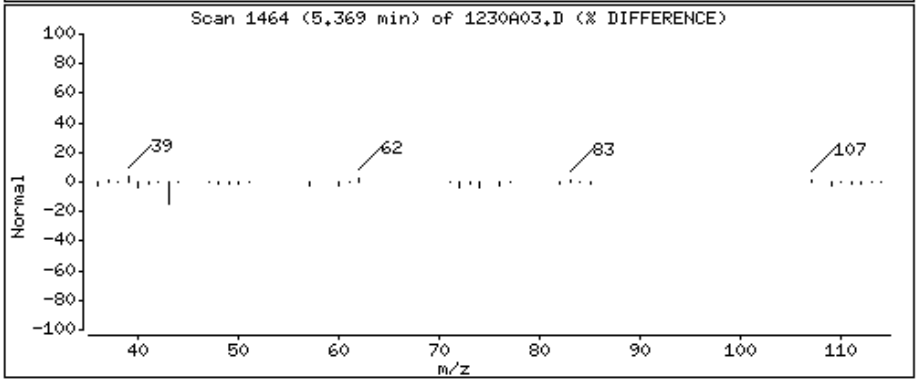












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

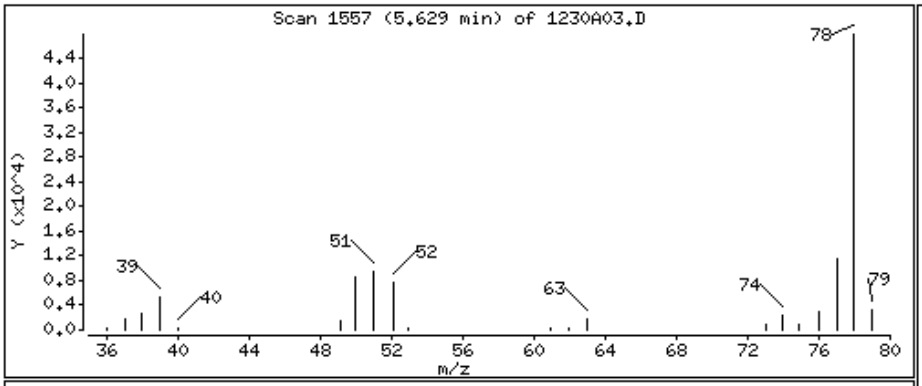
Operator: PD

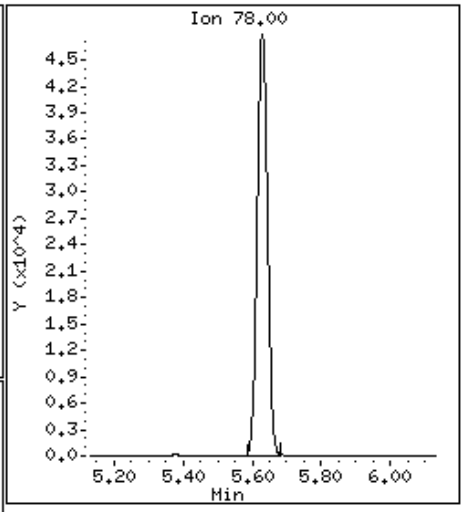
Column phase:

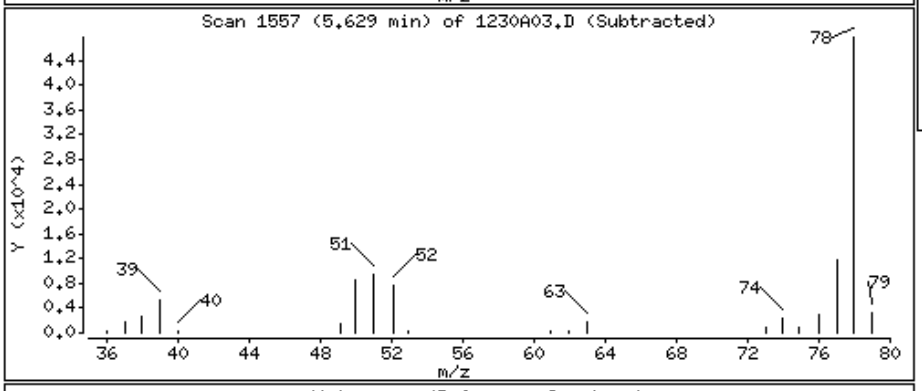
Column diameter: 0.18

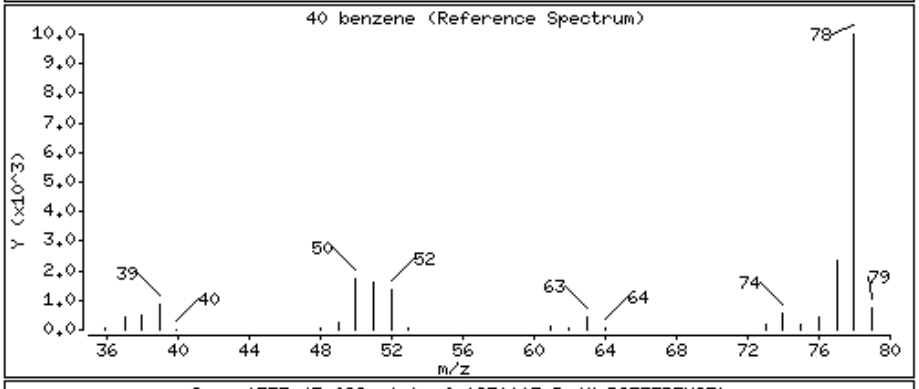
40 benzene

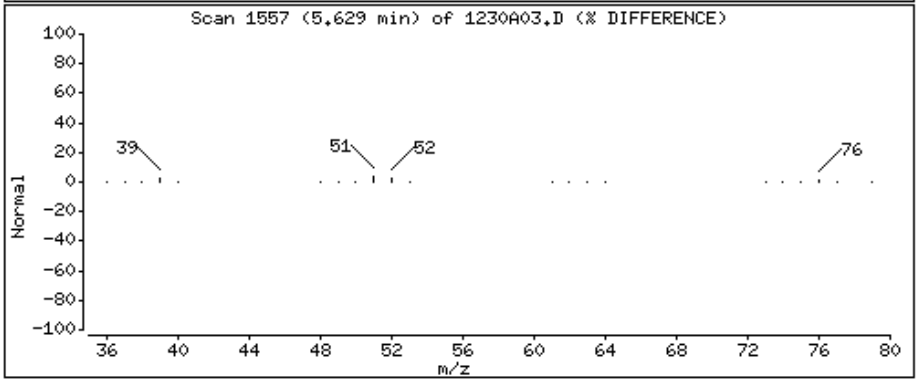
Concentration: 9.854 ngs











Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

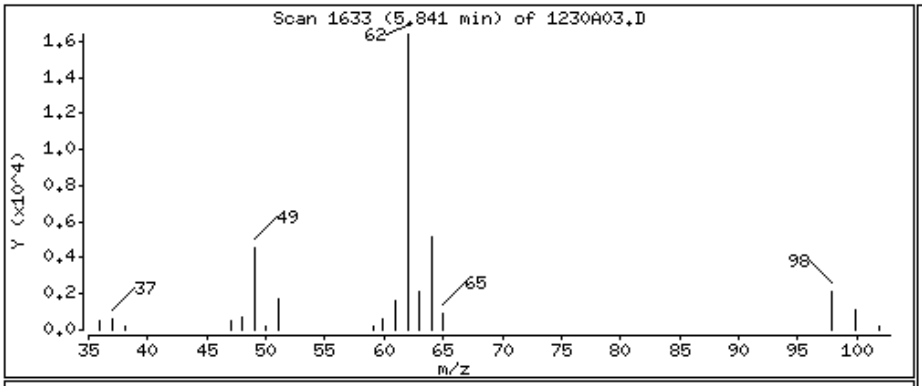
Operator: PD

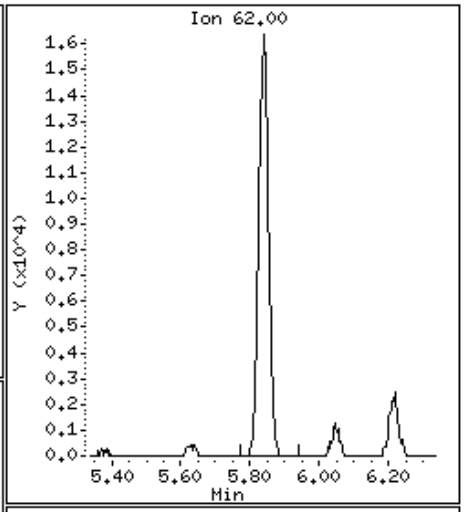
Column phase:

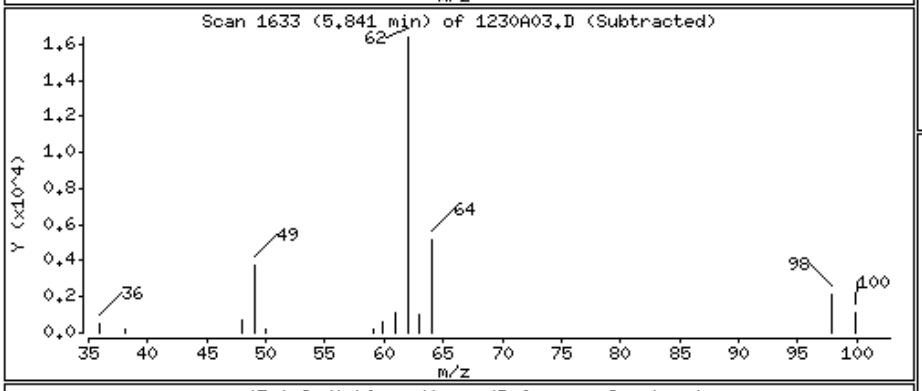
Column diameter: 0.18

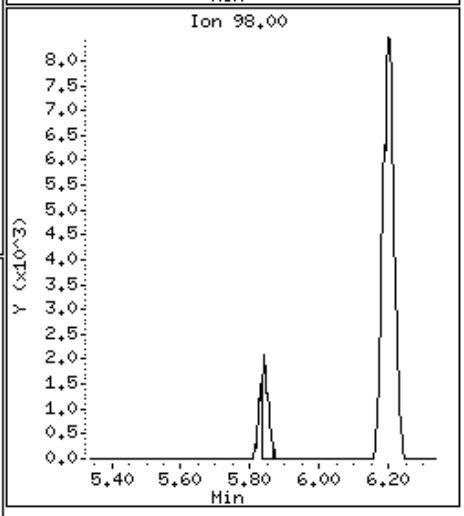
43 1,2-dichloroethane

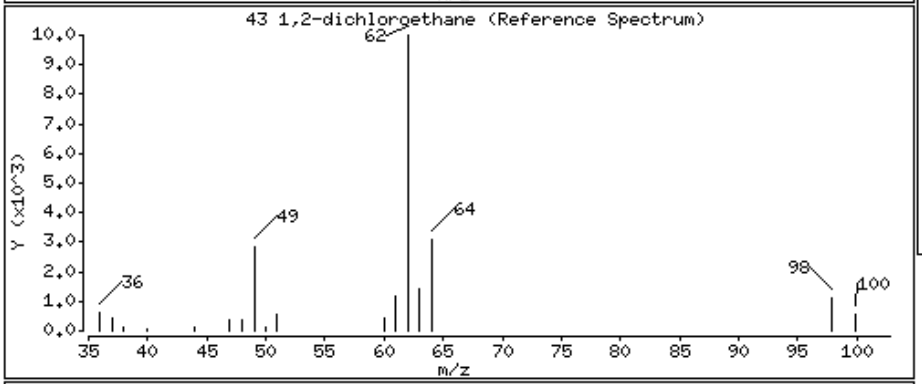
Concentration: 10.174 ngs

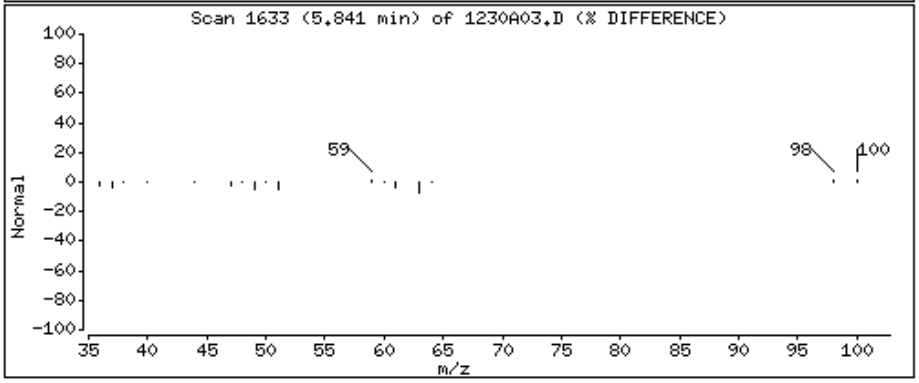












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

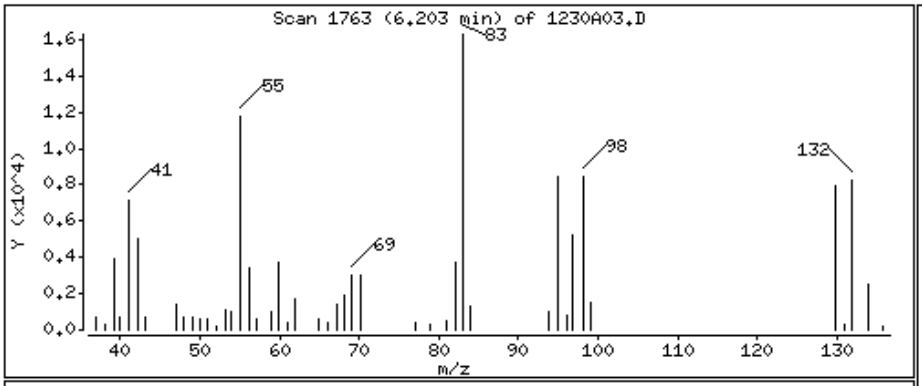
Operator: PD

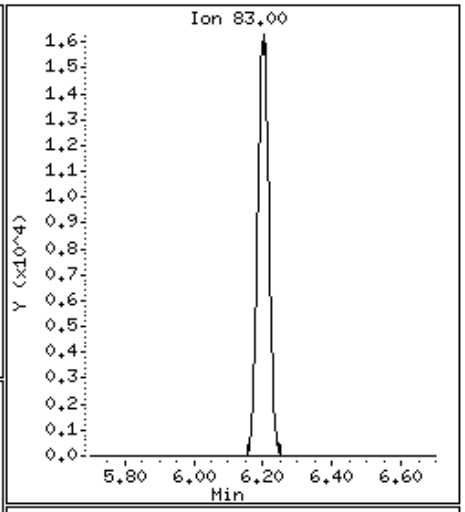
Column phase:

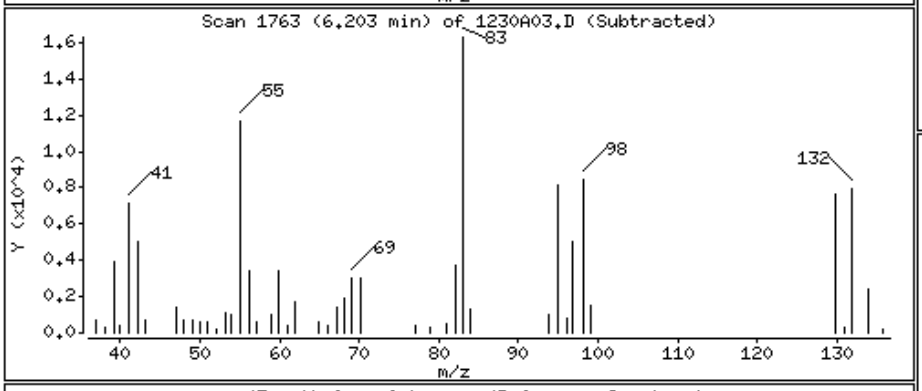
Column diameter: 0.18

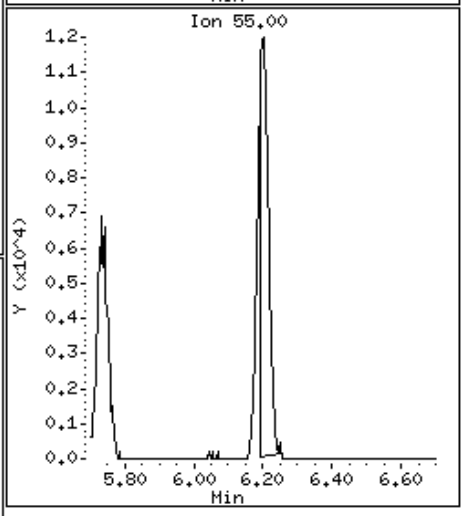
47 methyl cyclohexane

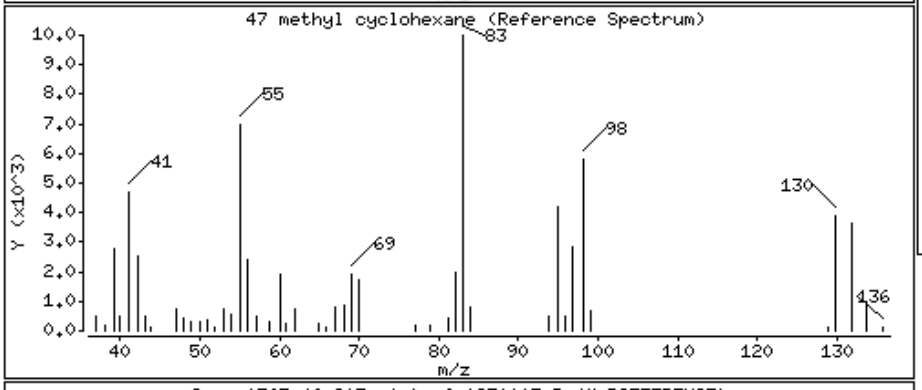
Concentration: 9.480 ngs

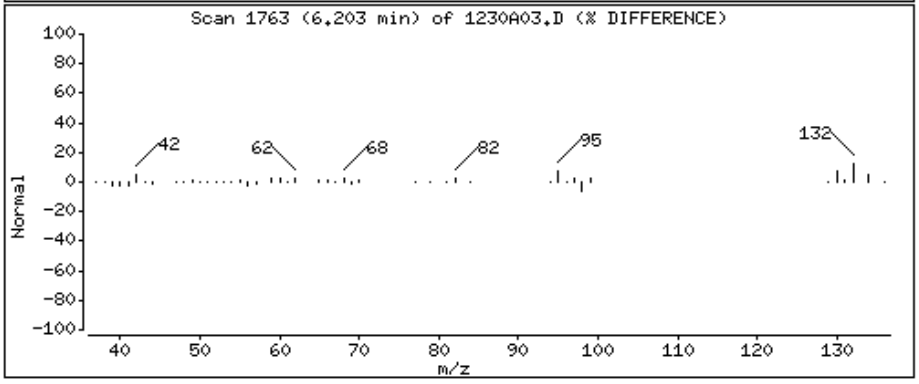












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

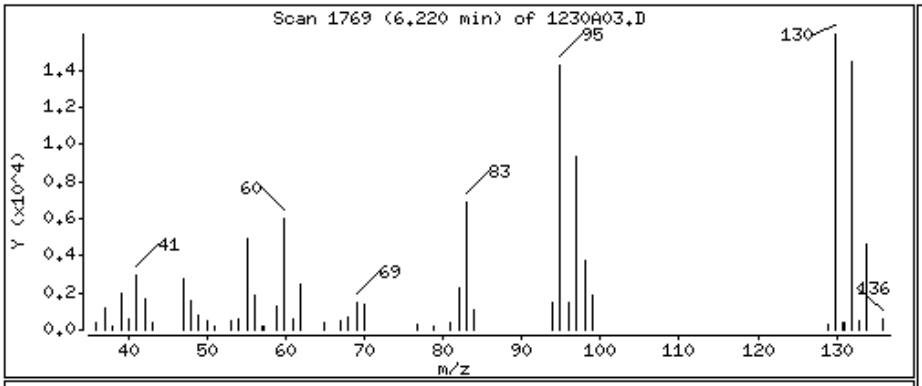
Operator: PD

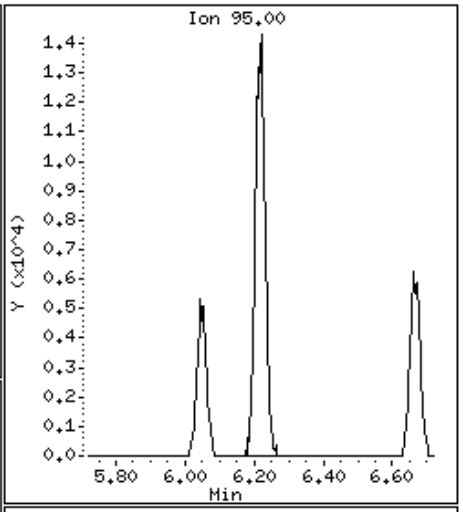
Column phase:

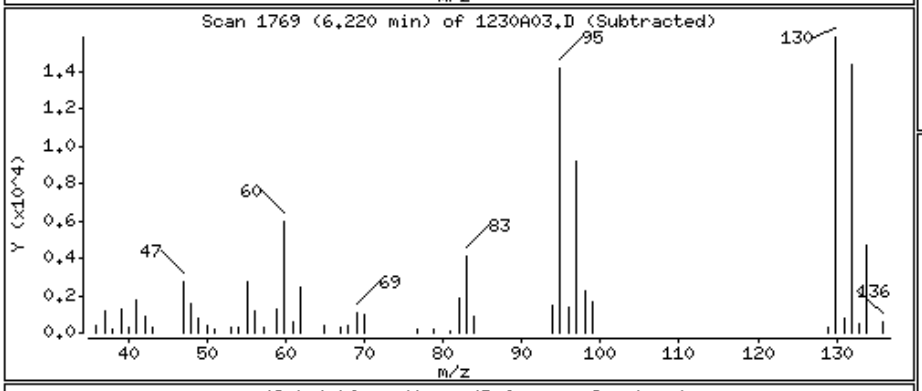
Column diameter: 0.18

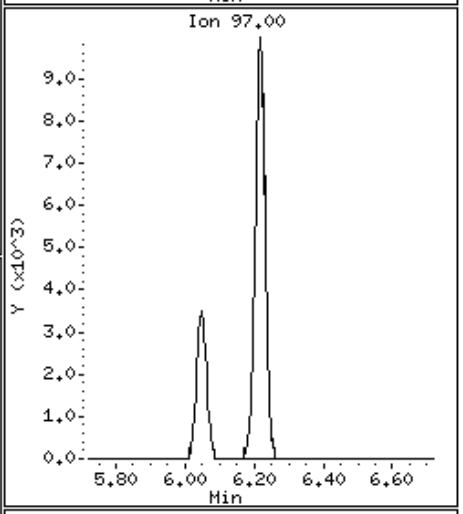
48 trichloroethene

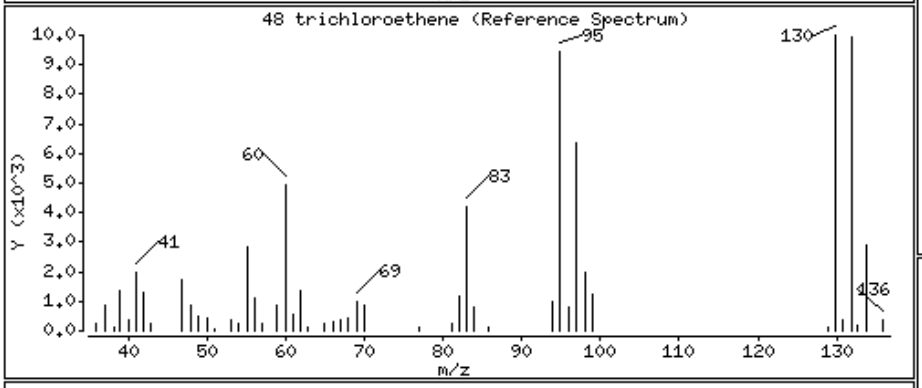
Concentration: 9.930 ngs

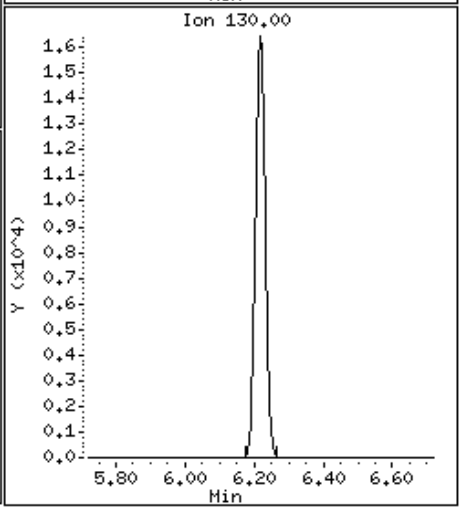


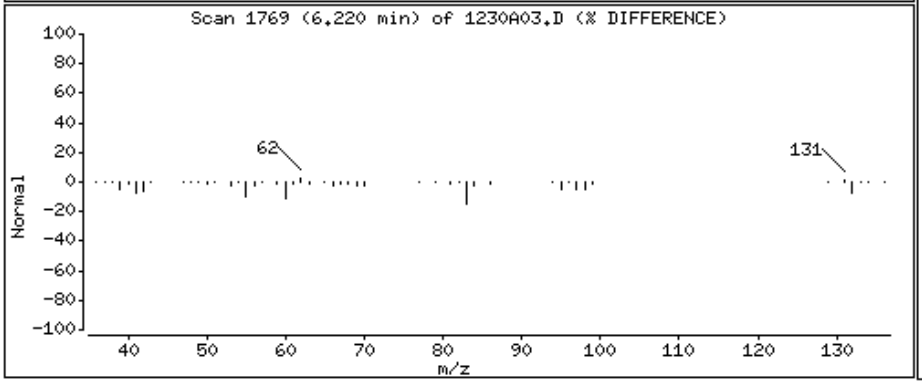












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

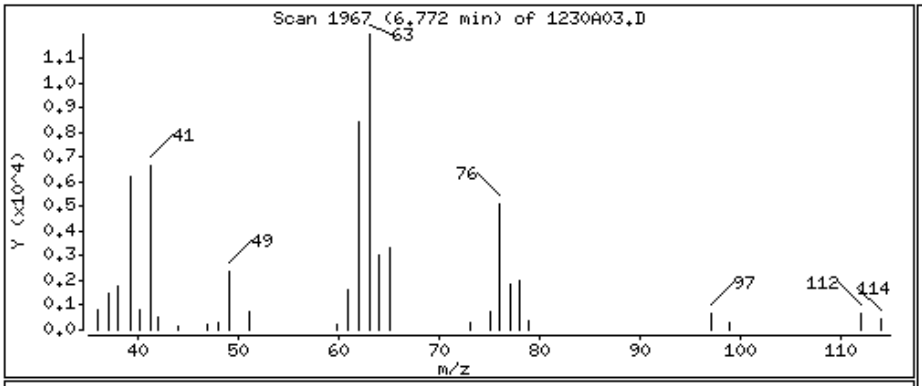
Operator: PD

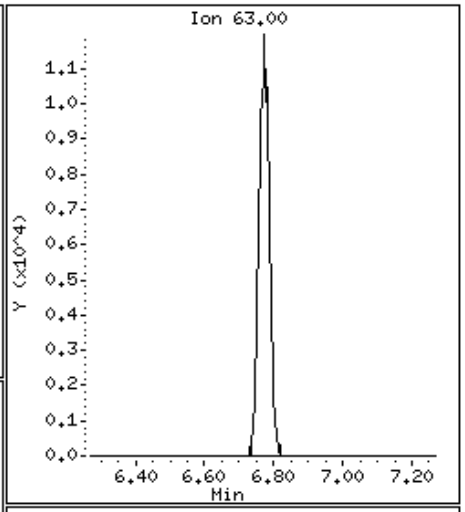
Column phase:

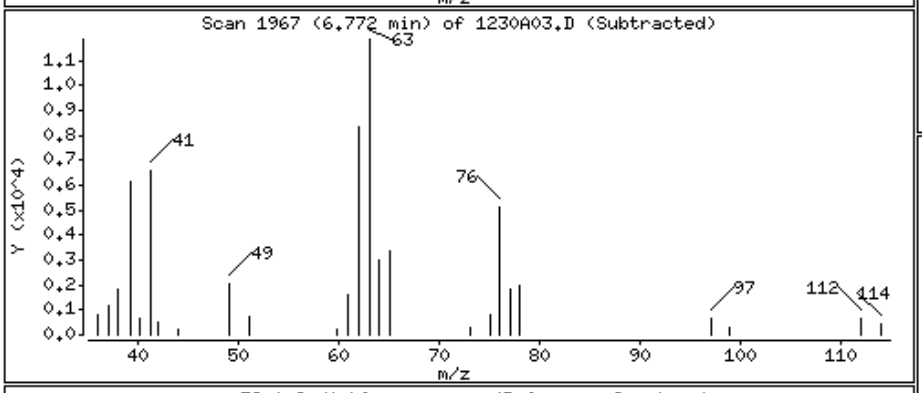
Column diameter: 0.18

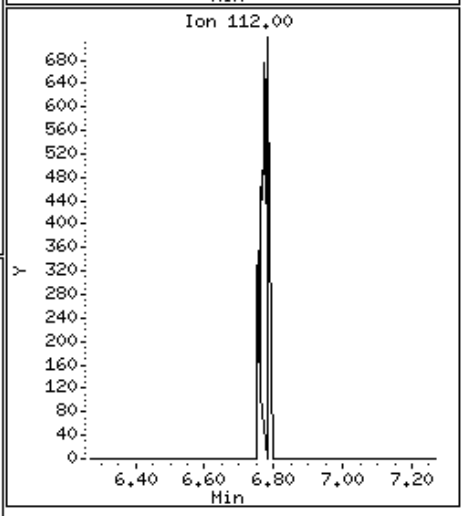
52 1,2-dichloropropane

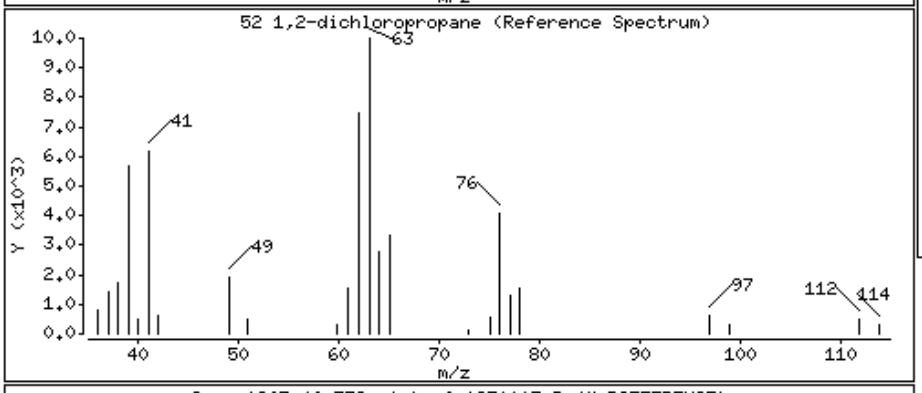
Concentration: 10.249 ngs

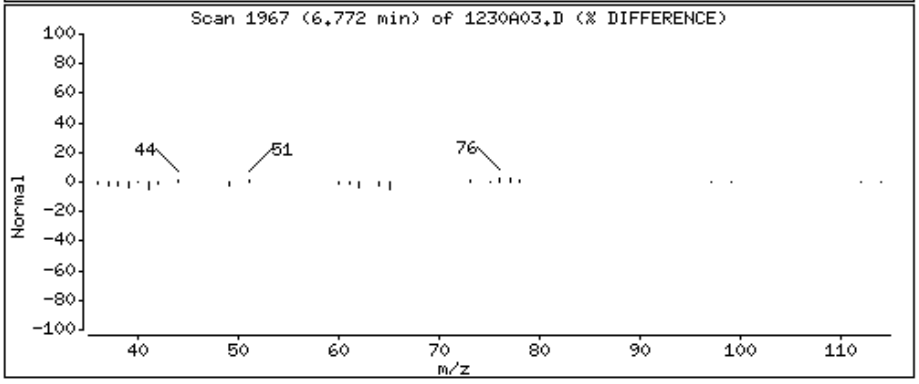












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

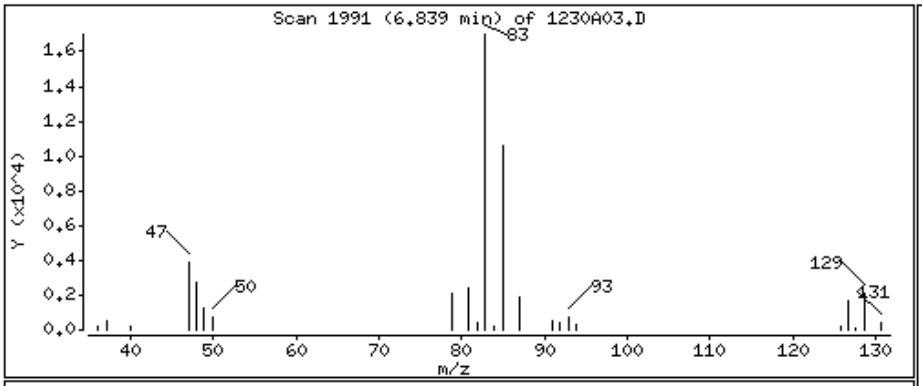
Operator: PD

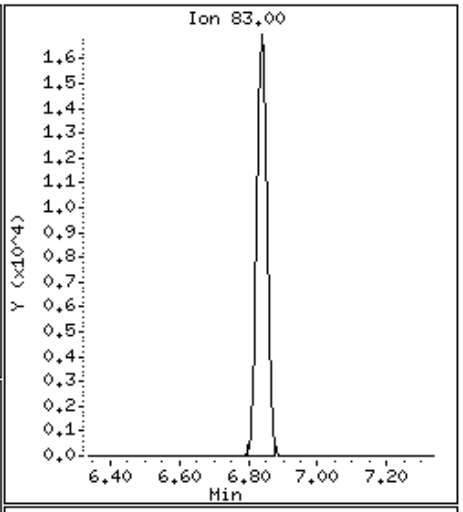
Column phase:

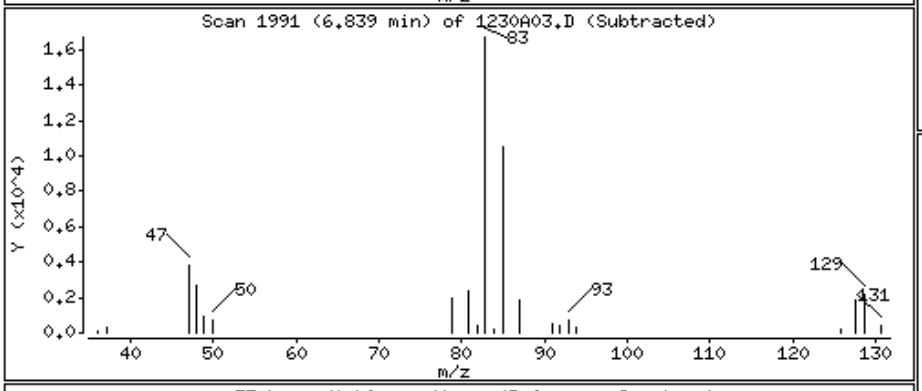
Column diameter: 0.18

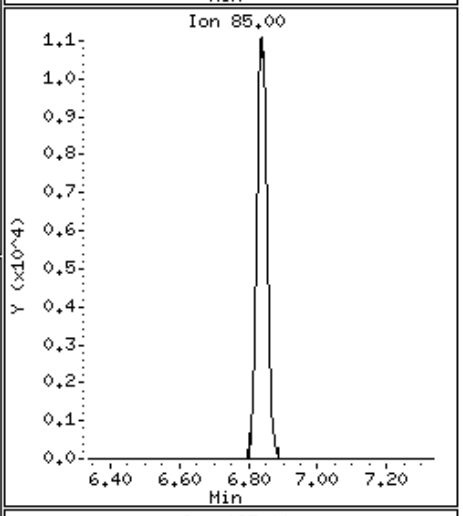
53 bromodichloromethane

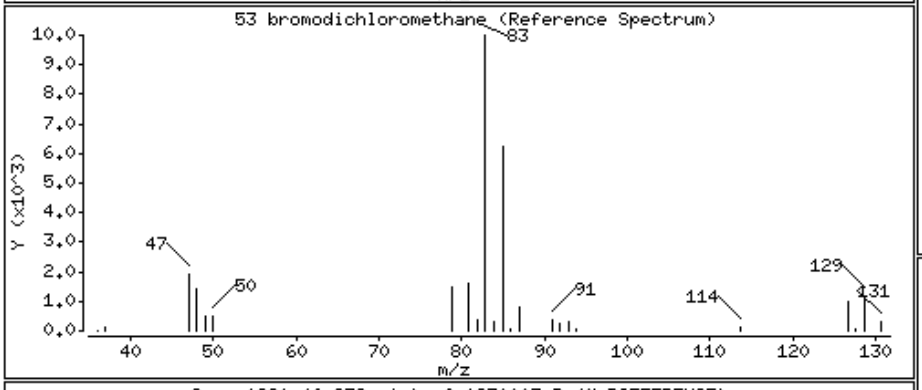
Concentration: 10.034 ngs

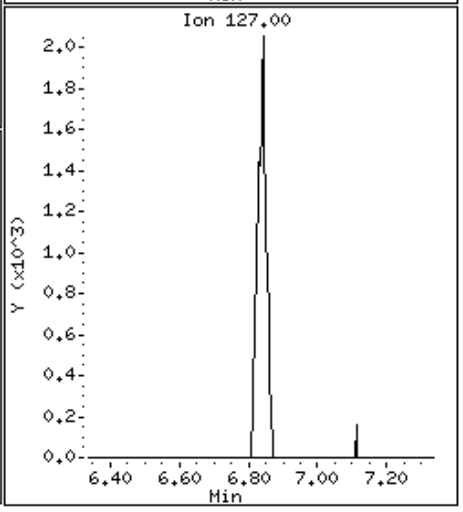


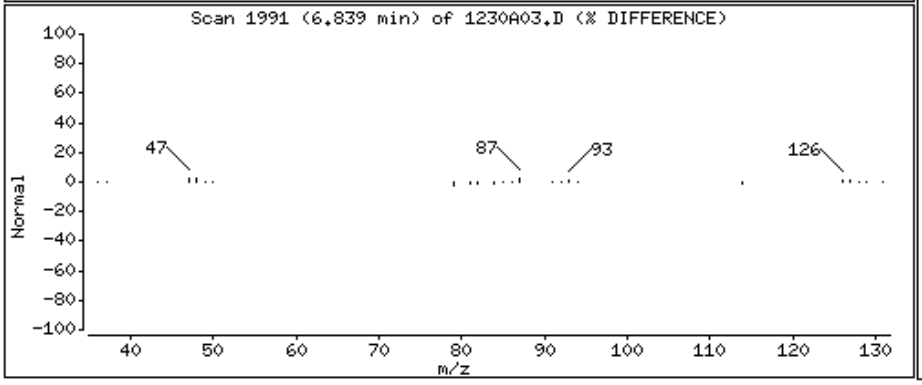












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

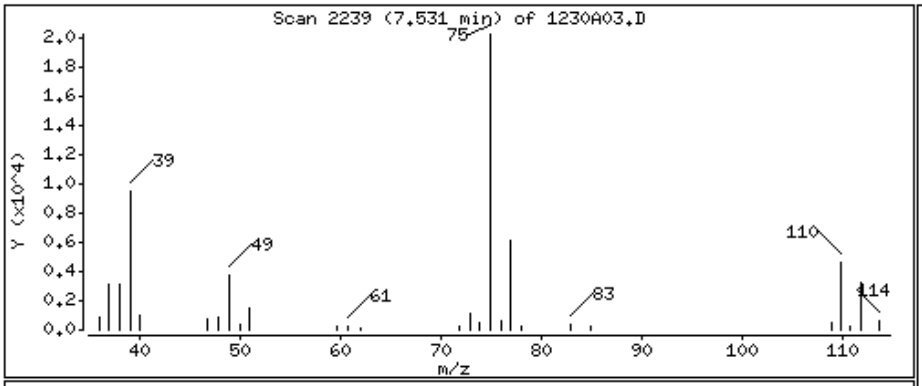
Operator: PD

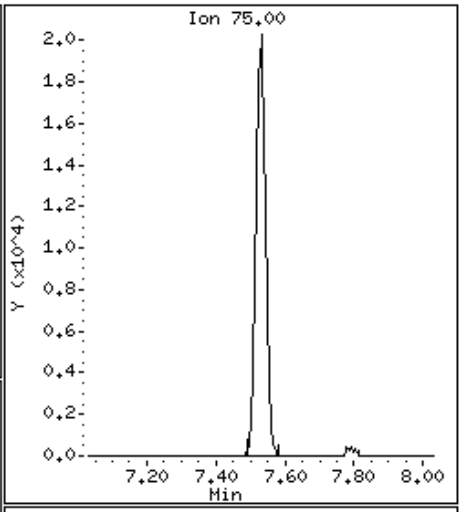
Column phase:

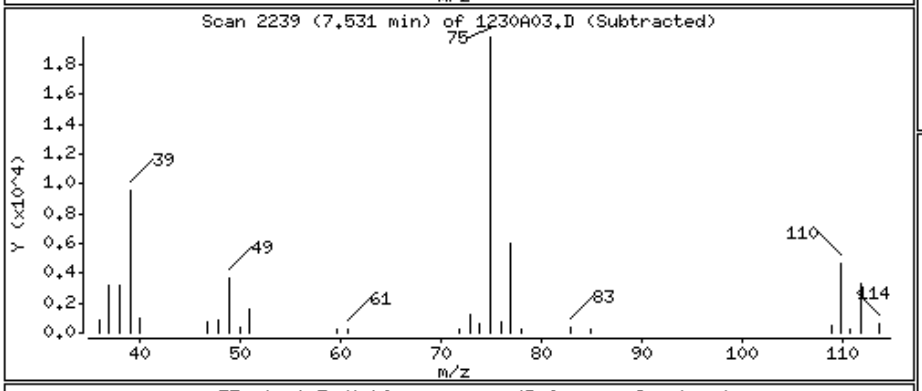
Column diameter: 0.18

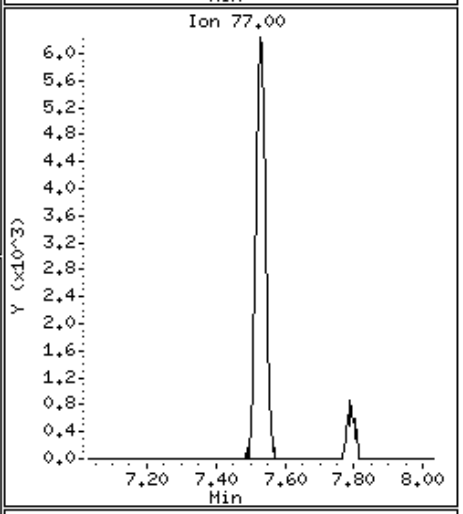
57 cis-1,3-dichloropropene

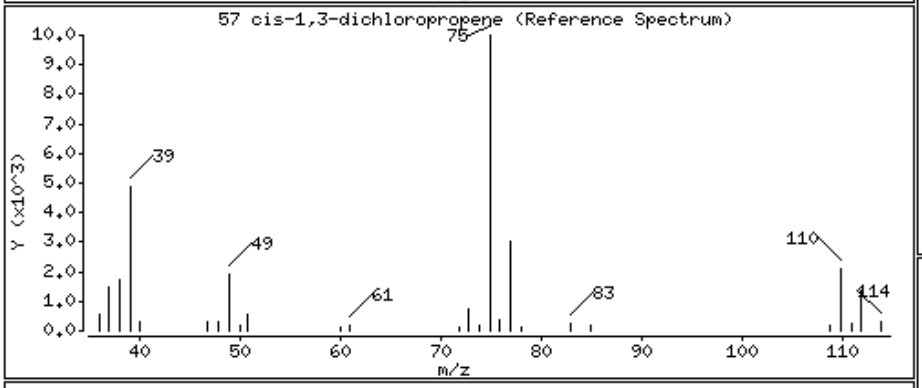
Concentration: 10.064 ngs

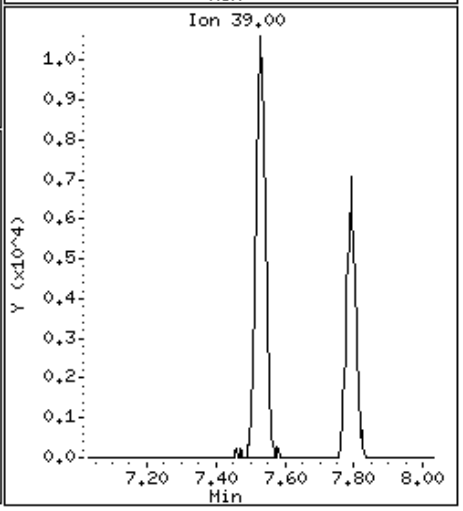


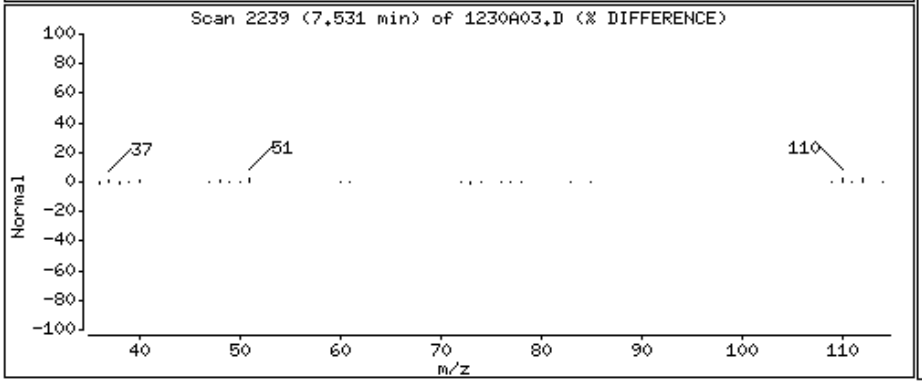












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

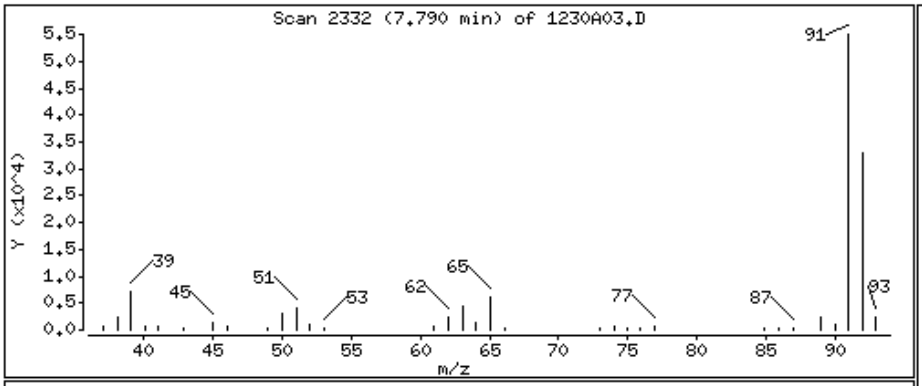
Operator: PD

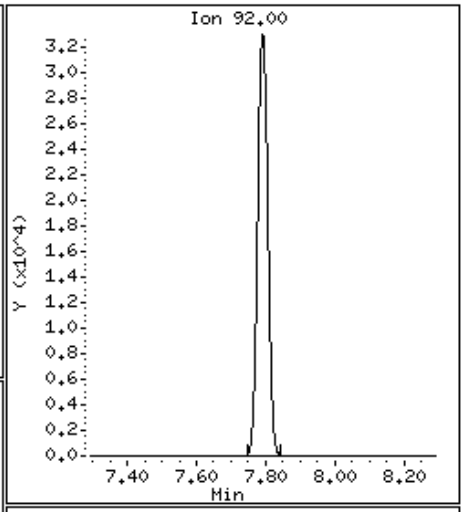
Column phase:

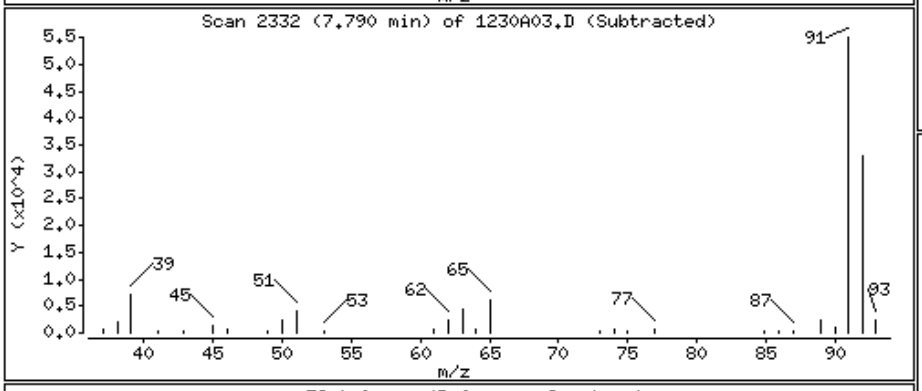
Column diameter: 0.18

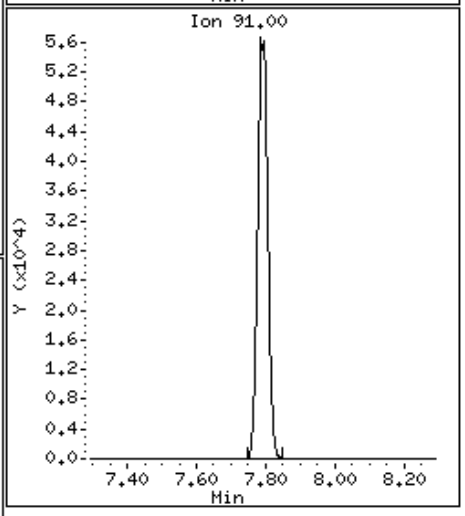
59 toluene

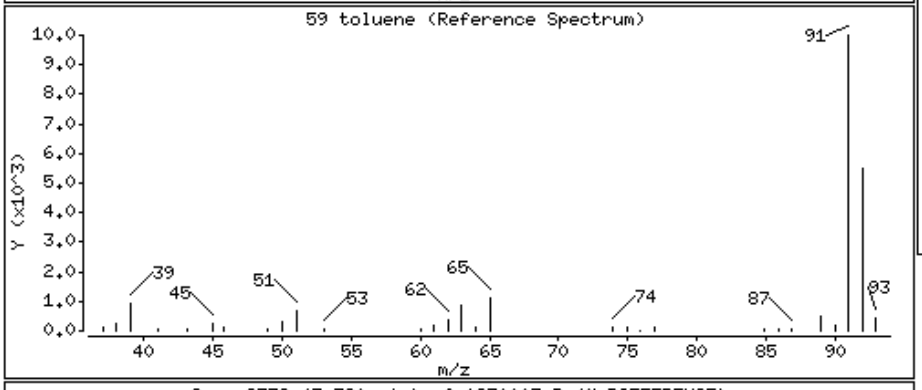
Concentration: 10.409 ngs

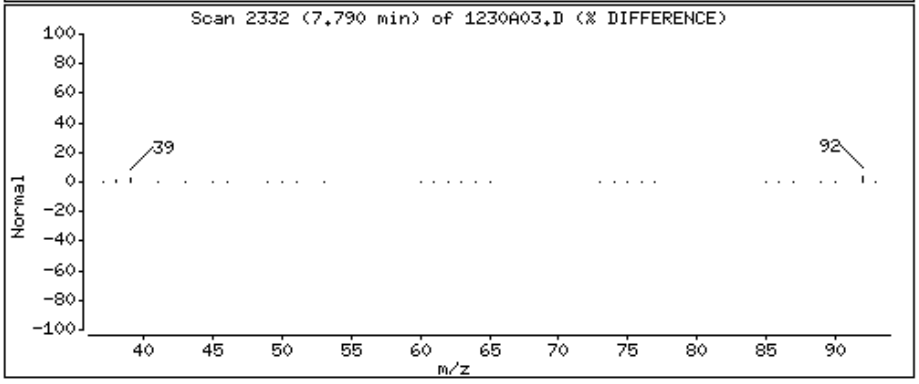












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

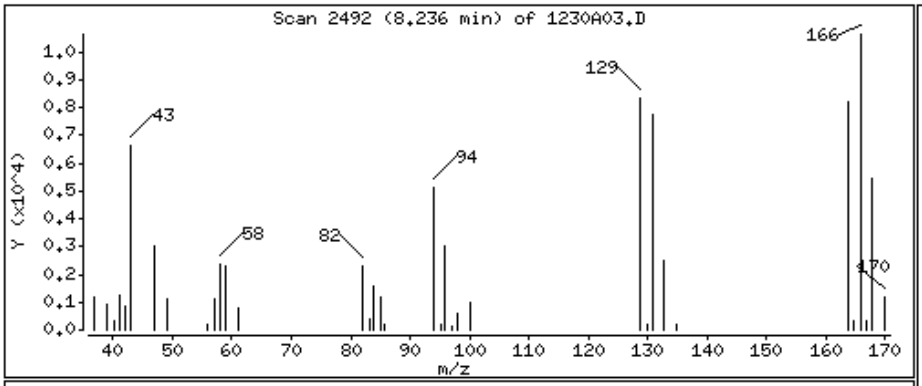
Operator: PD

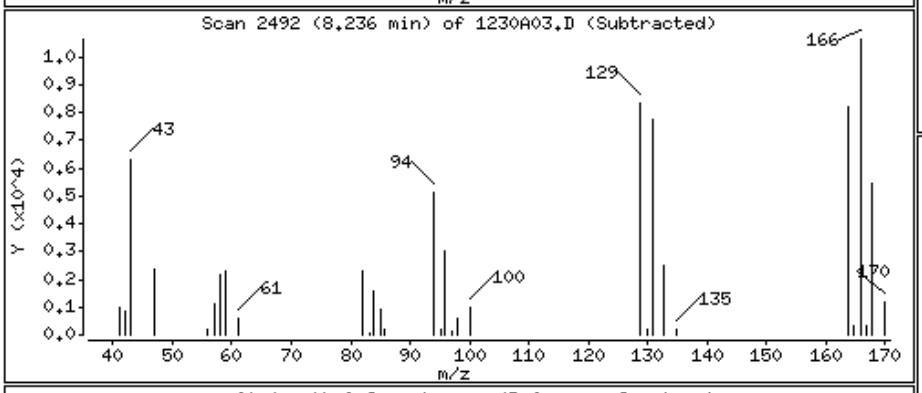
Column phase:

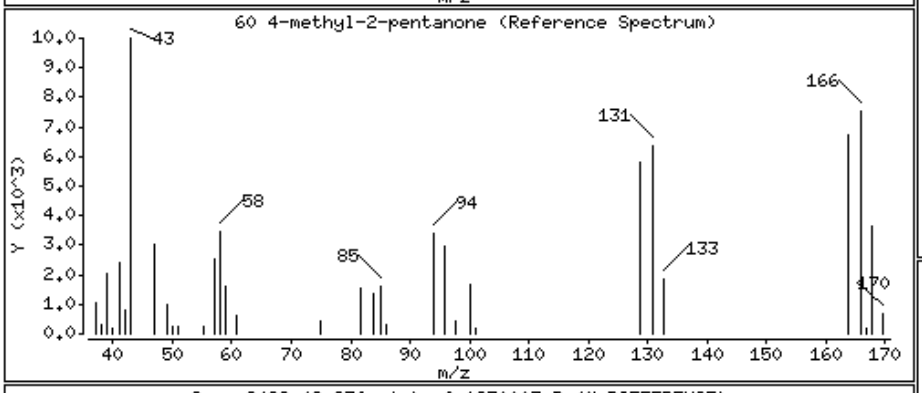
Column diameter: 0.18

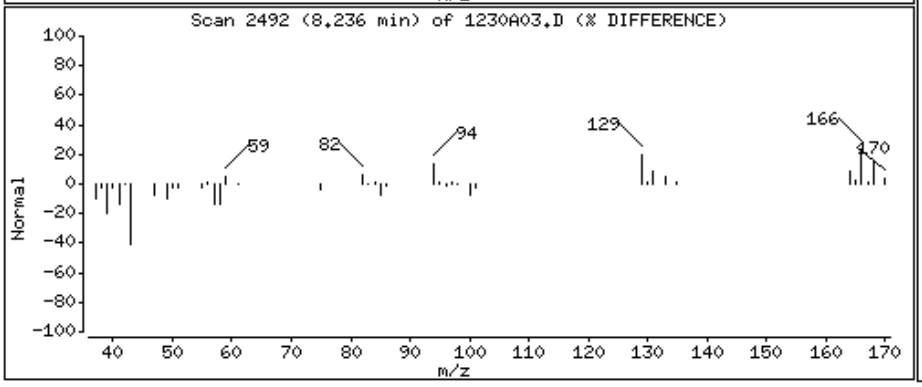
60 4-methyl-2-pentanone

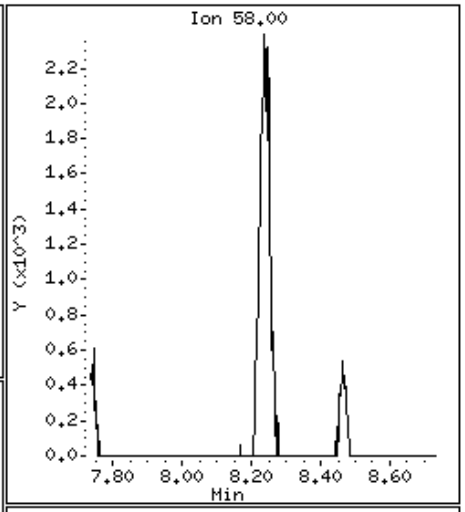
Concentration: 8.177 ngs

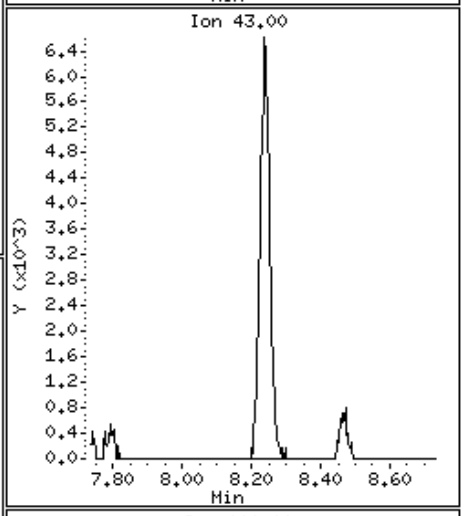


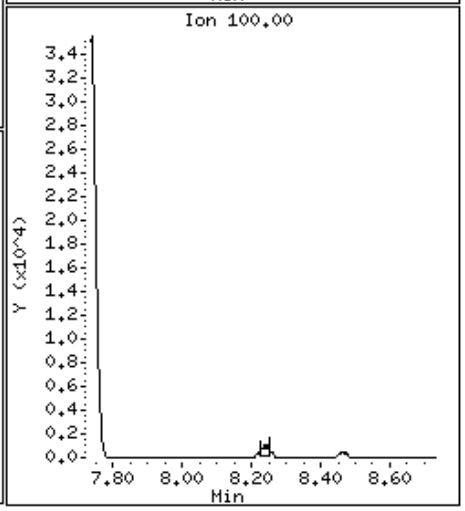












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

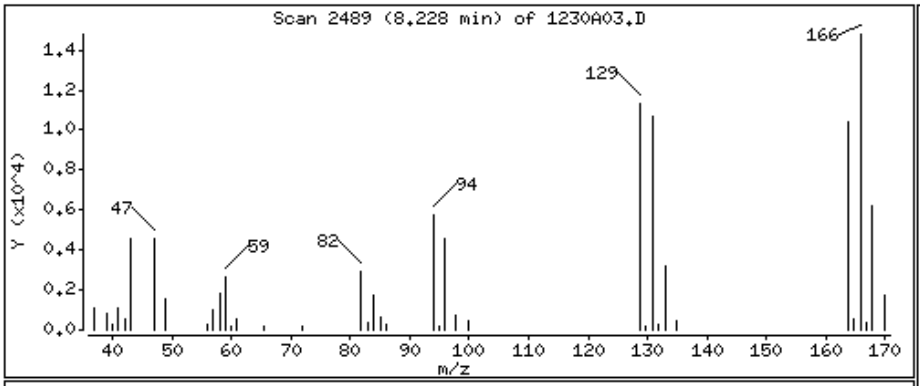
Operator: PD

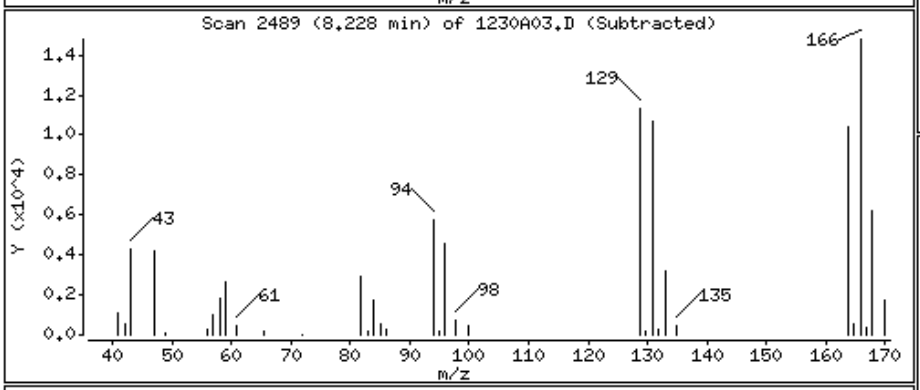
Column phase:

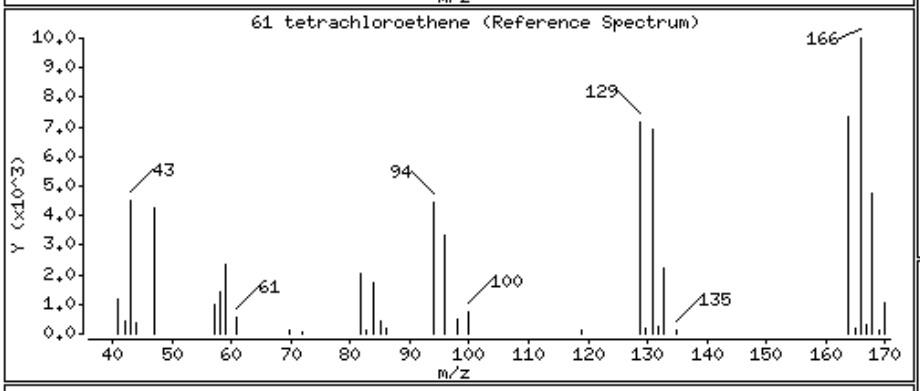
Column diameter: 0.18

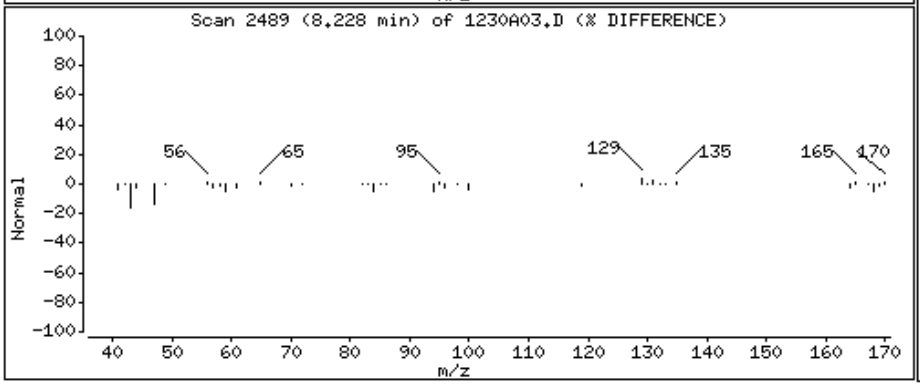
61 tetrachloroethene

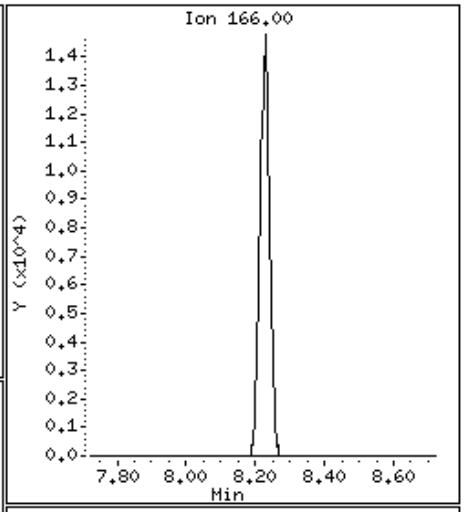
Concentration: 10.170 ngs

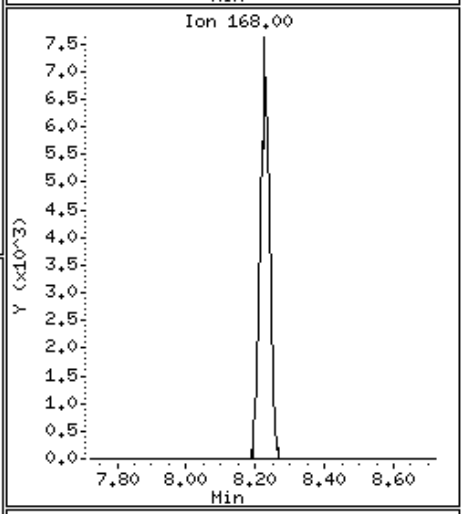


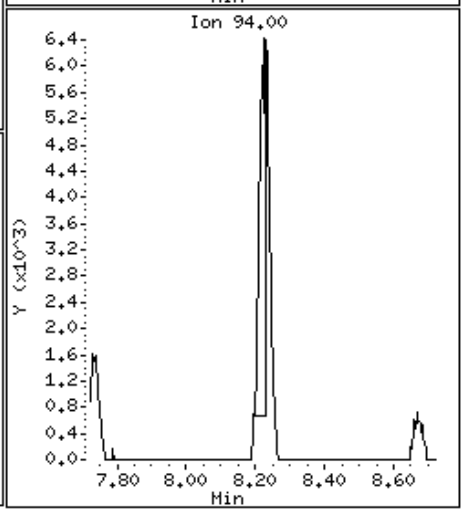












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

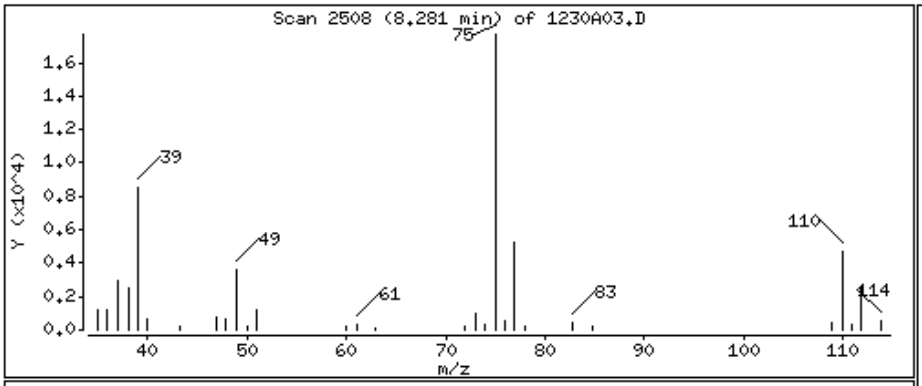
Operator: PD

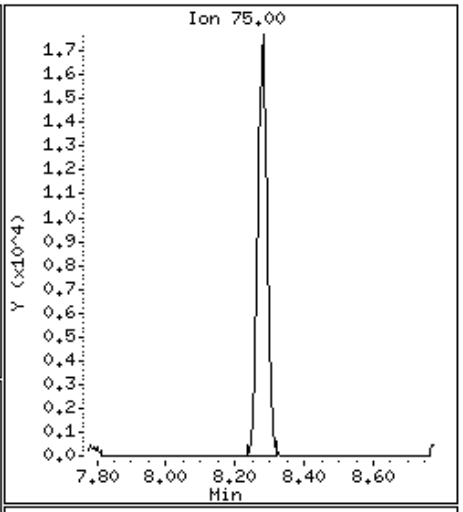
Column phase:

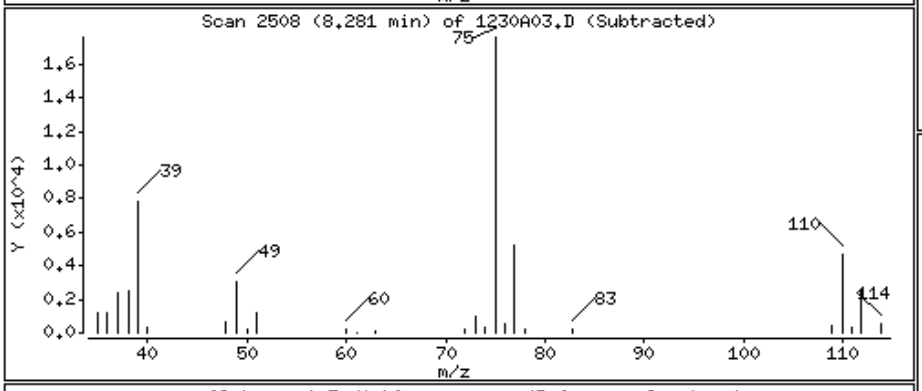
Column diameter: 0.18

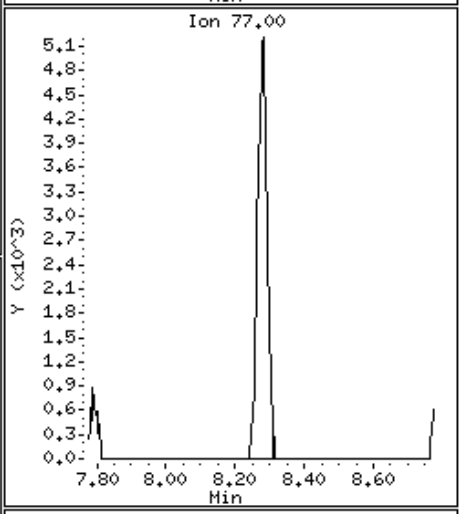
62 trans-1,3-dichloropropene

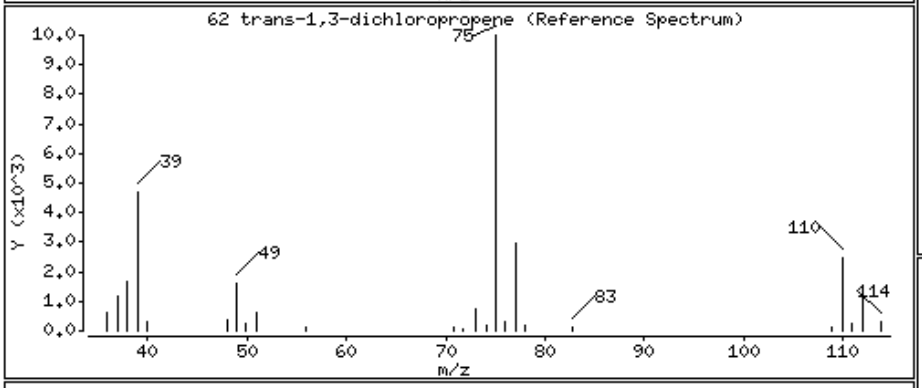
Concentration: 10.134 ngs

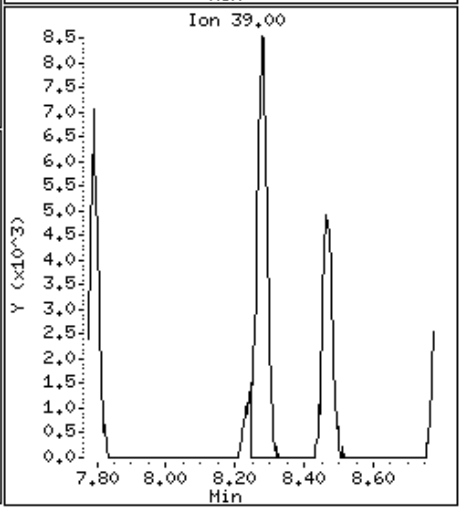


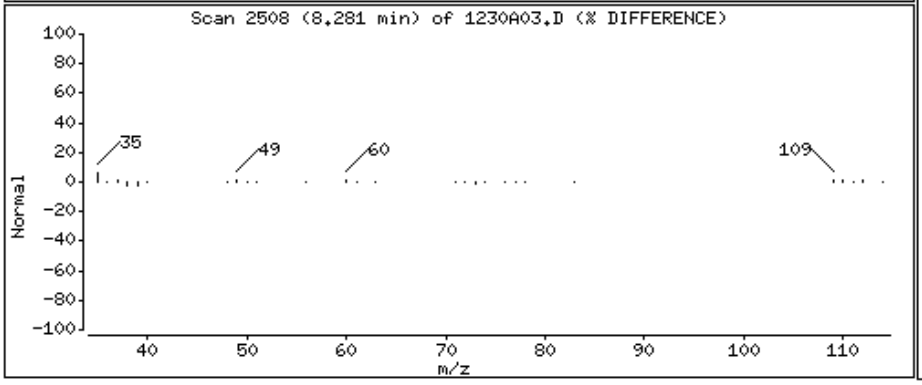












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

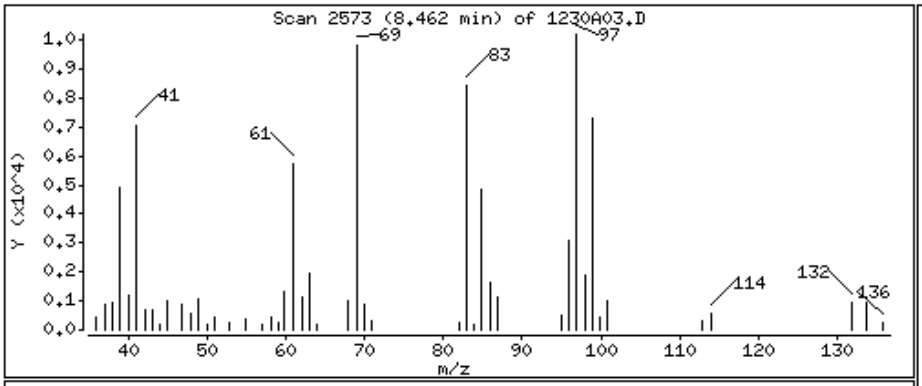
Operator: PD

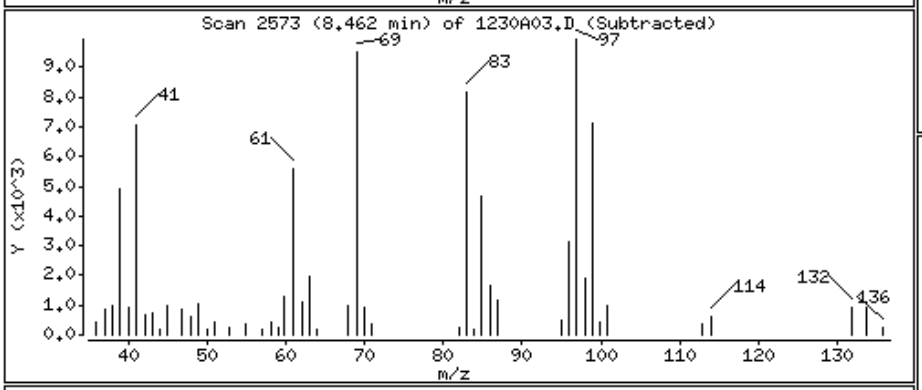
Column phase:

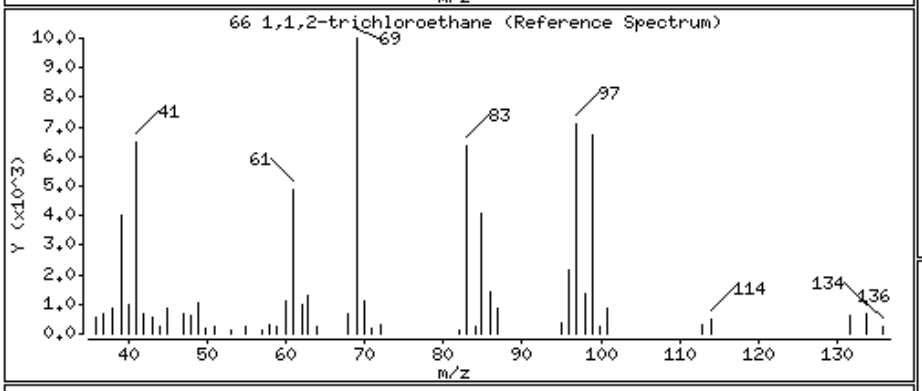
Column diameter: 0.18

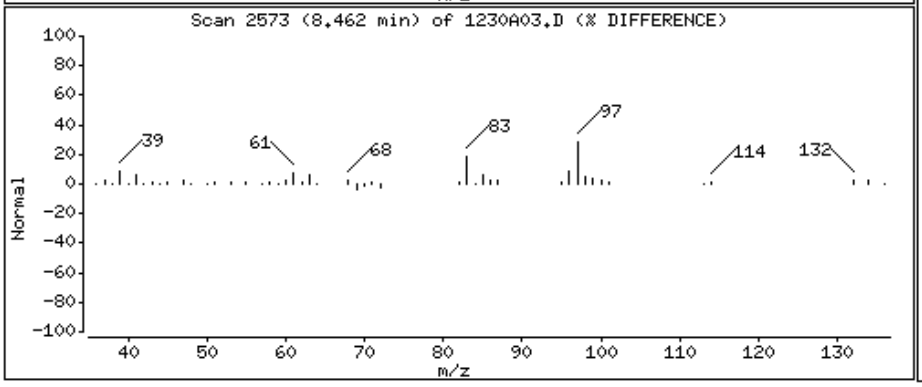
66 1,1,2-trichloroethane

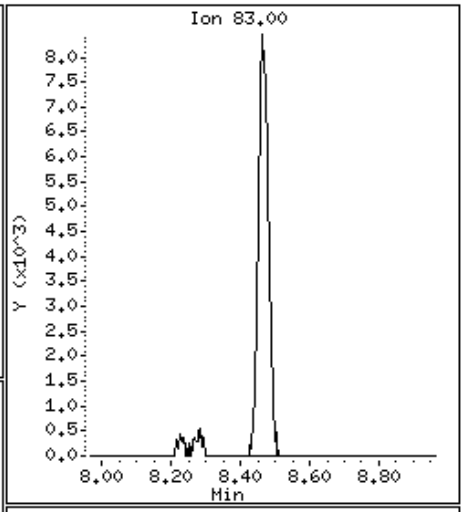
Concentration: 9.902 ngs

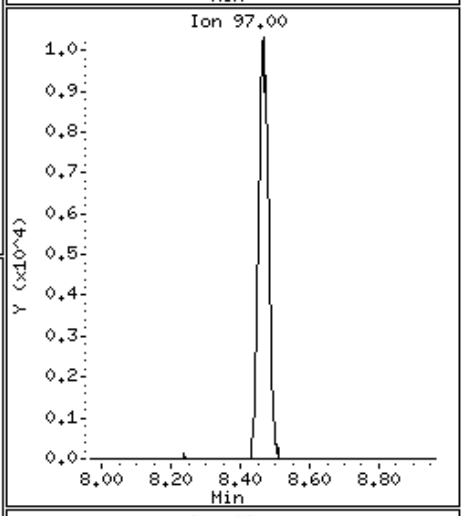


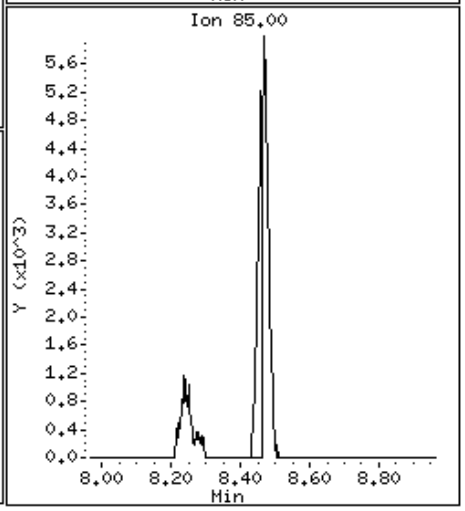












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

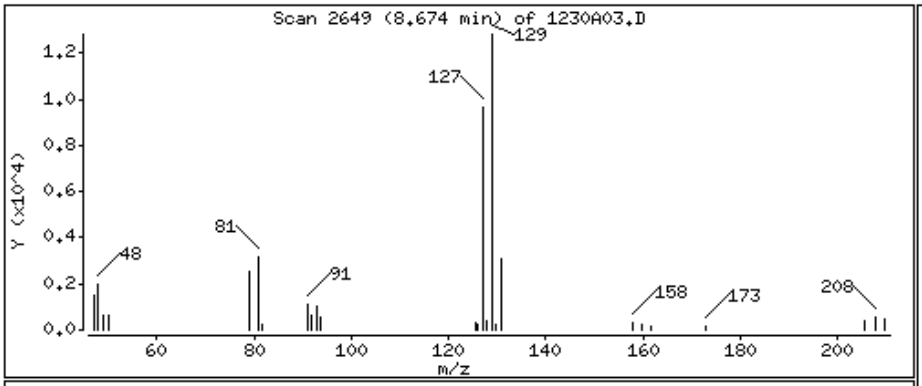
Operator: PD

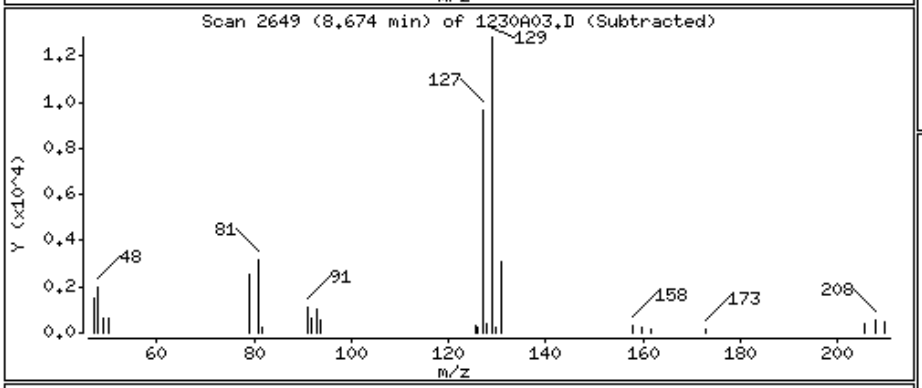
Column phase:

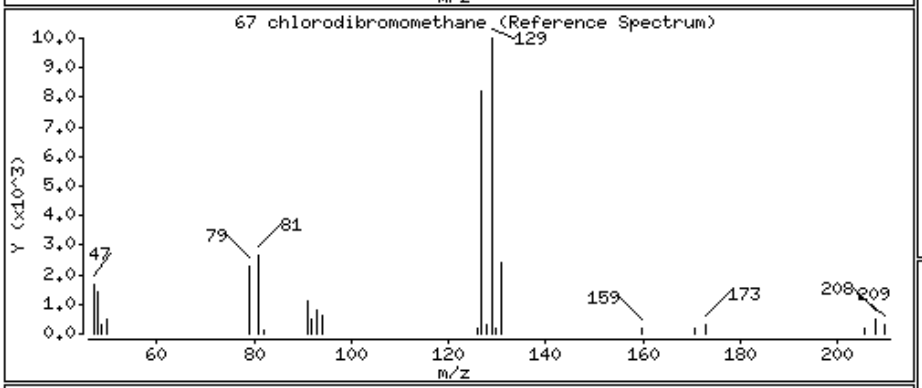
Column diameter: 0.18

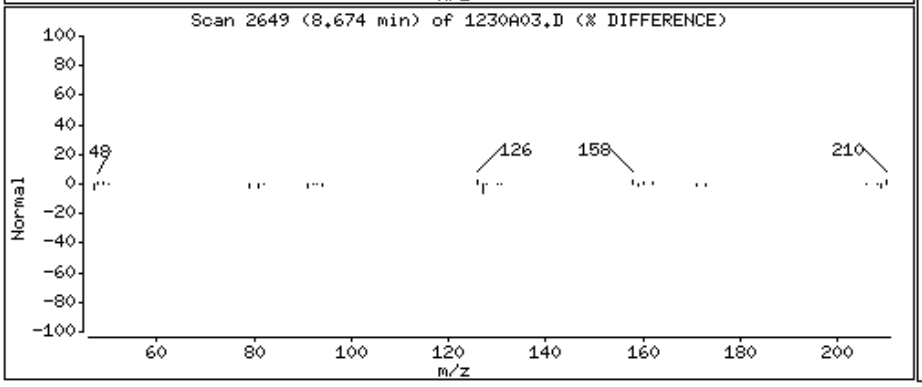
67 chlorodibromomethane

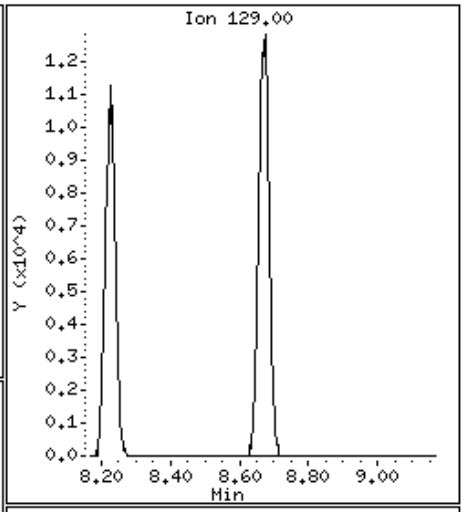
Concentration: 10.510 ngs

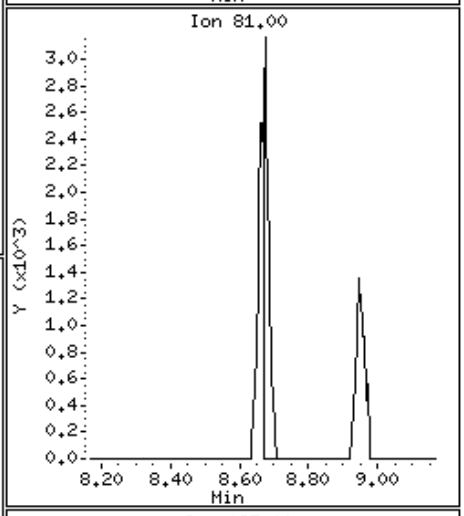


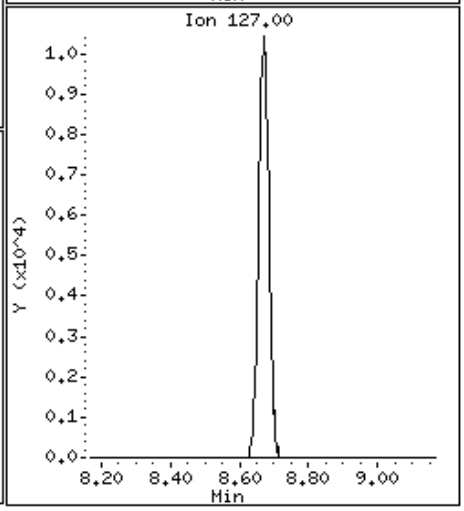












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

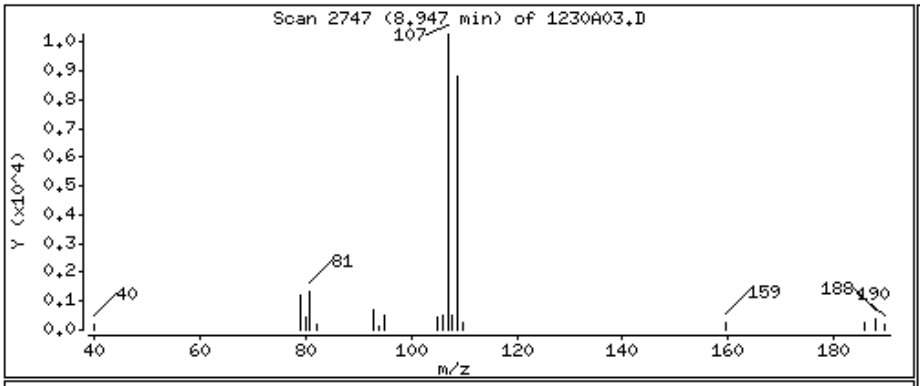
Operator: PD

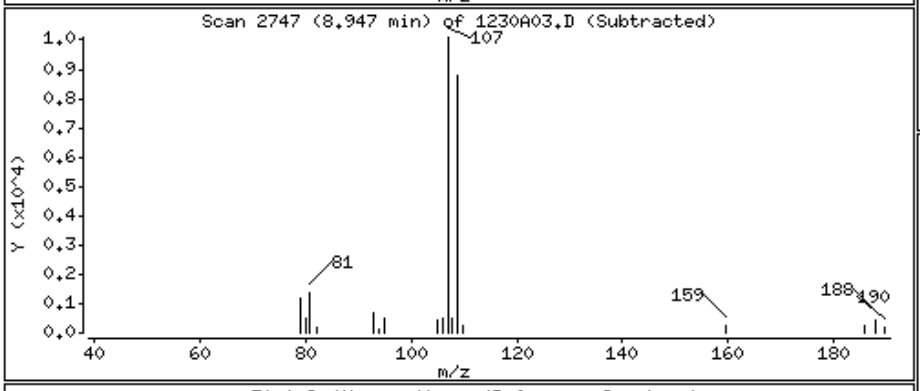
Column phase:

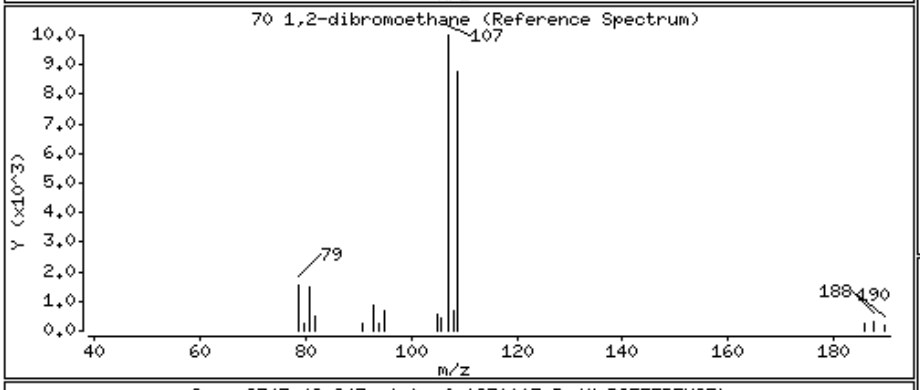
Column diameter: 0.18

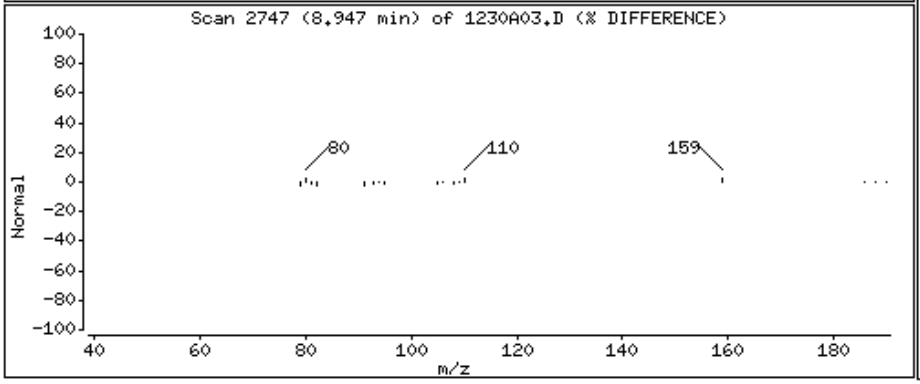
70 1,2-dibromoethane

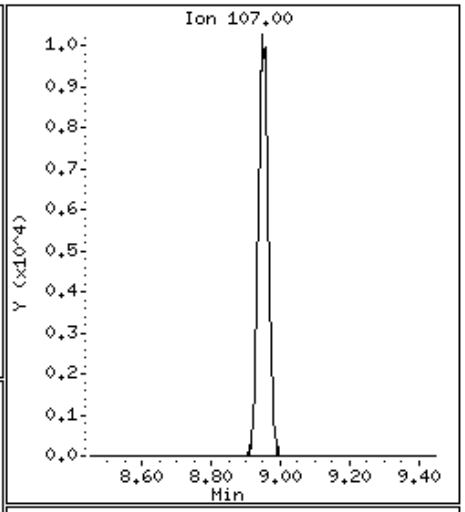
Concentration: 10.087 ngs

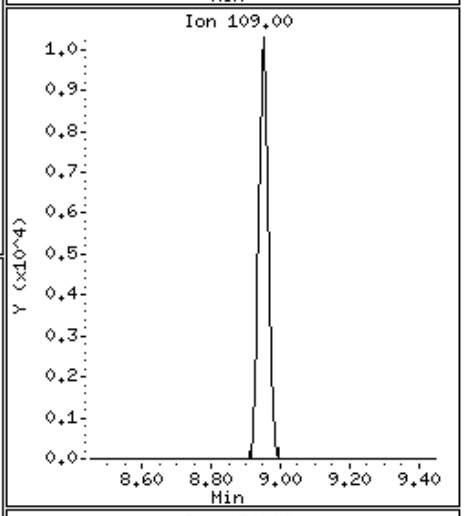


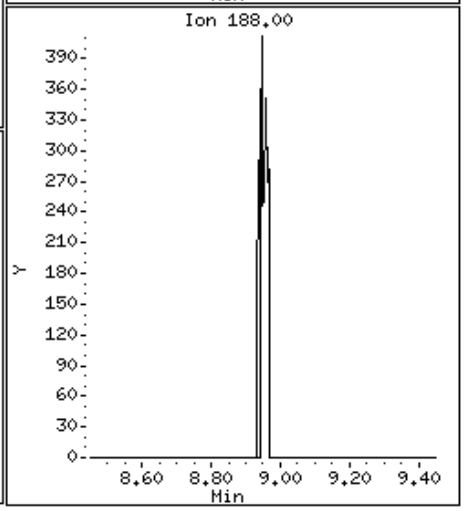












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

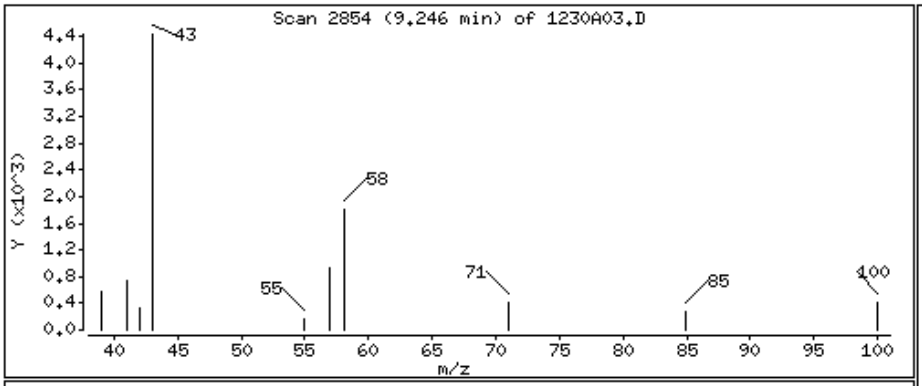
Operator: PD

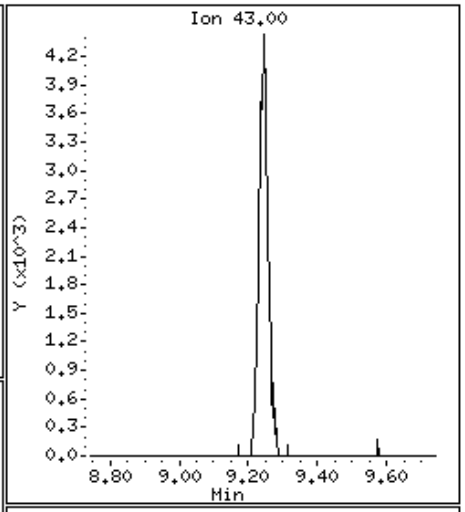
Column phase:

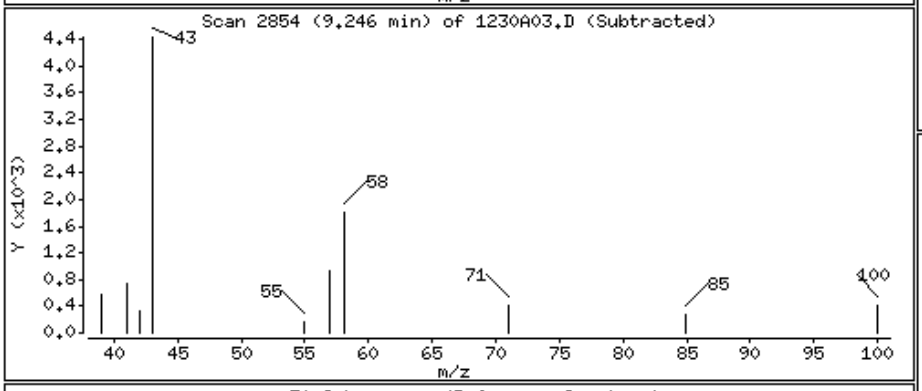
Column diameter: 0.18

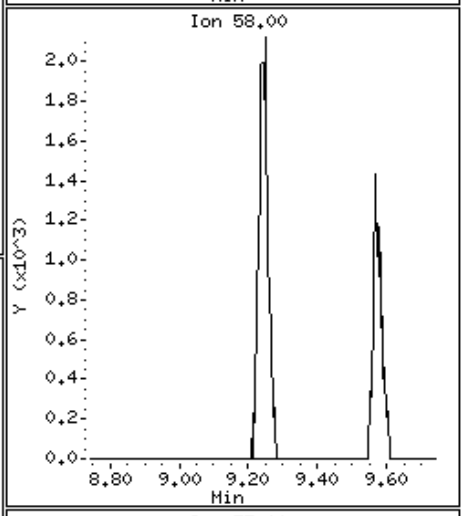
71 2-hexanone

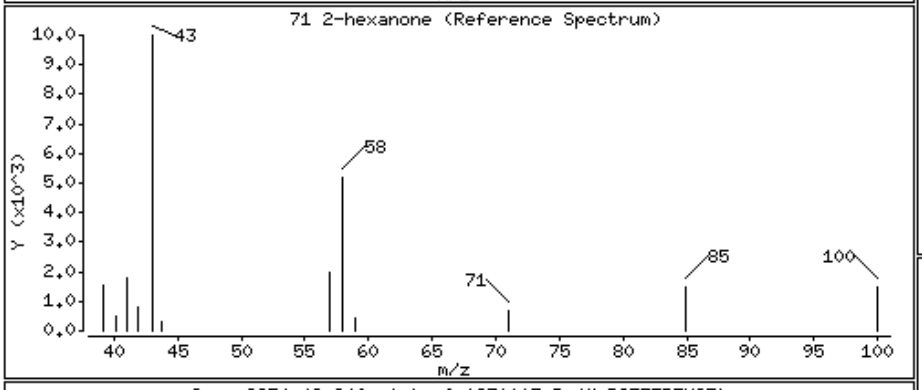
Concentration: 7.844 ngs

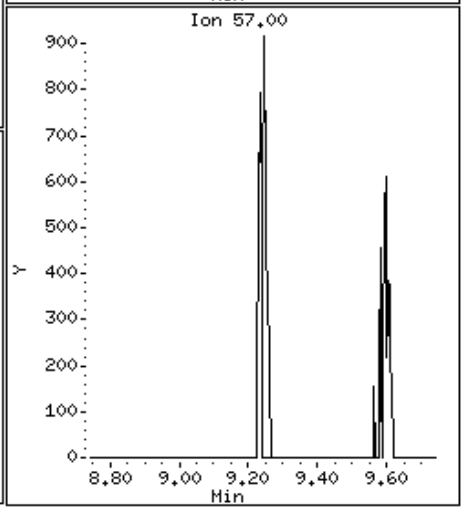


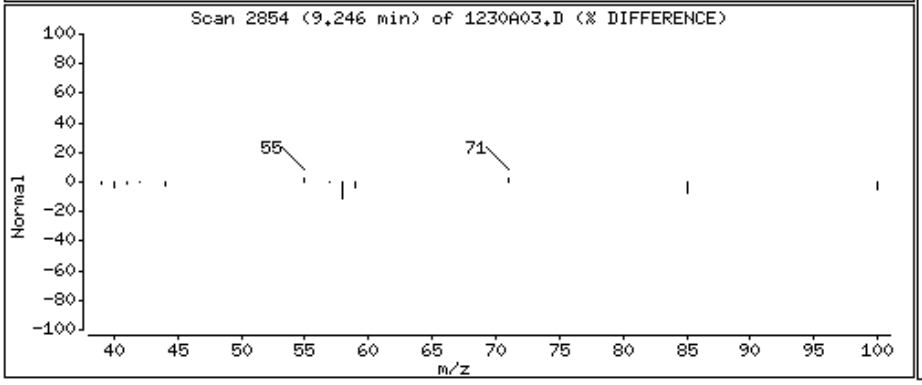












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

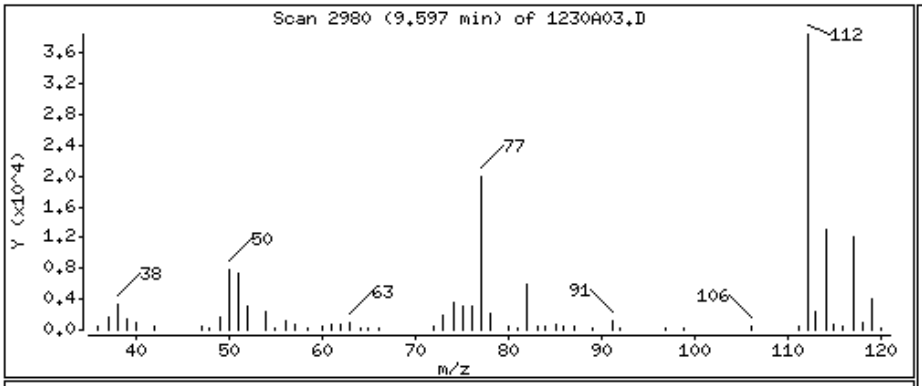
Operator: PD

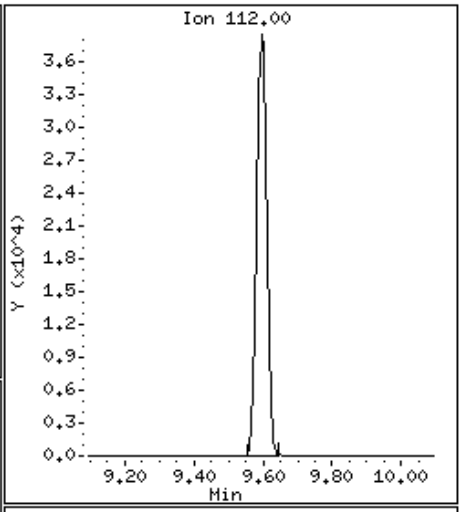
Column phase:

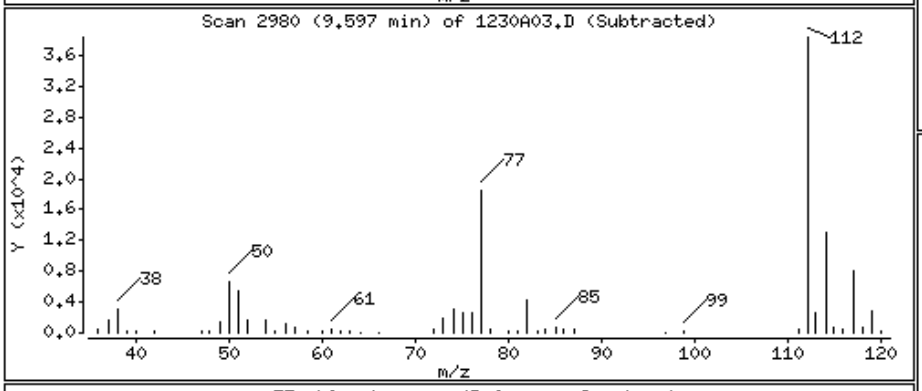
Column diameter: 0.18

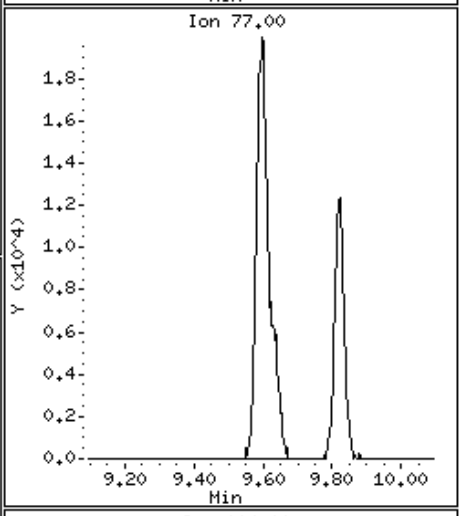
73 chlorobenzene

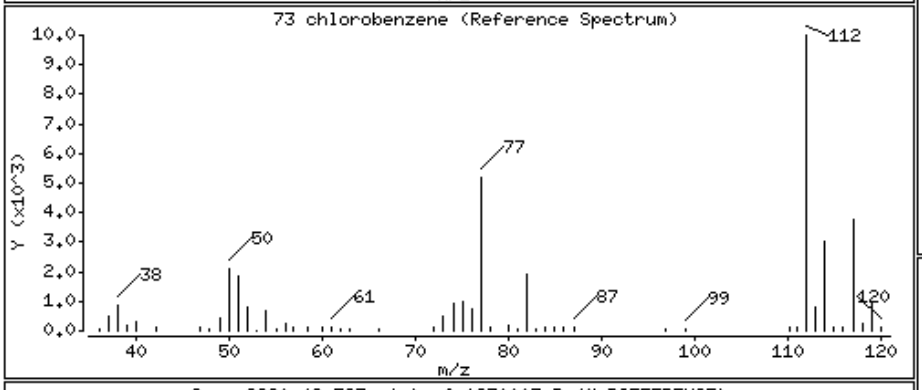
Concentration: 10.220 ngs

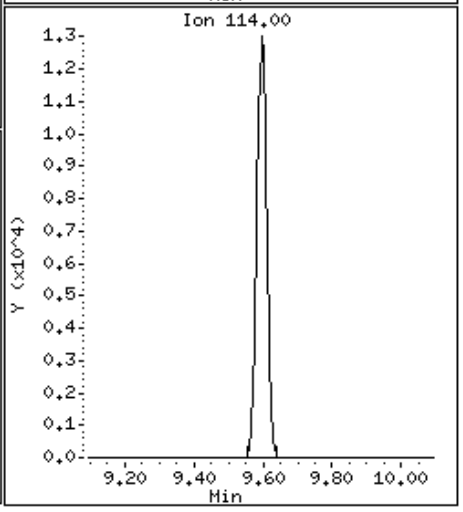


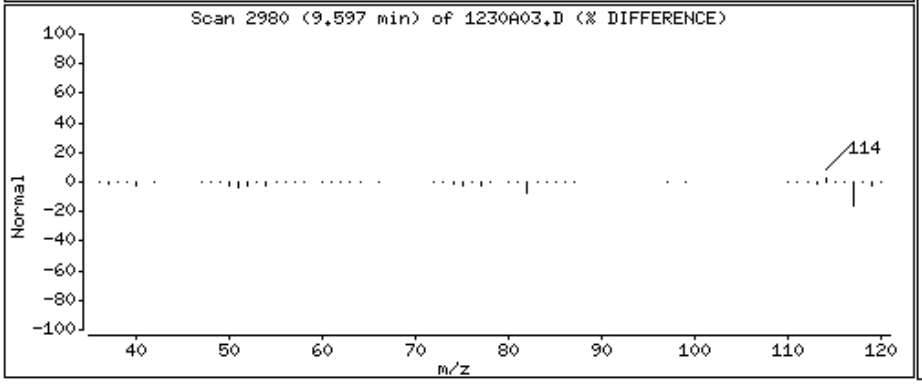












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

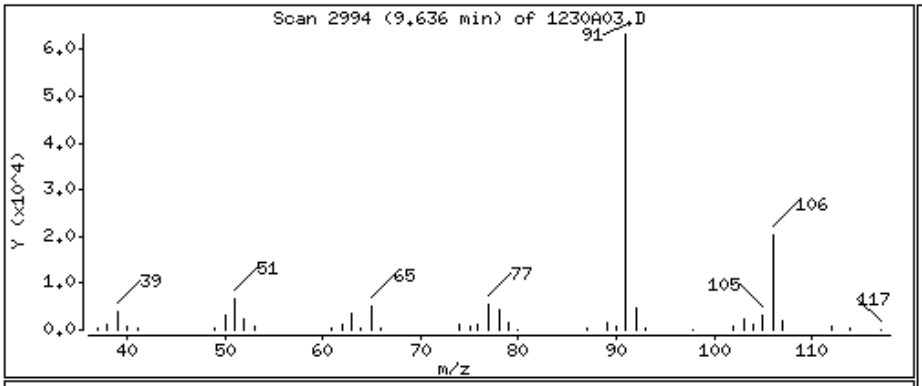
Operator: PD

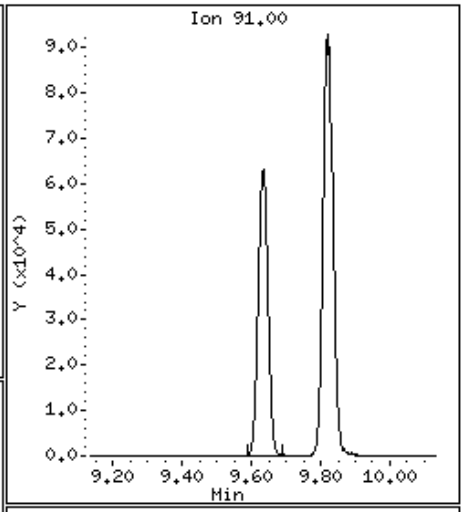
Column phase:

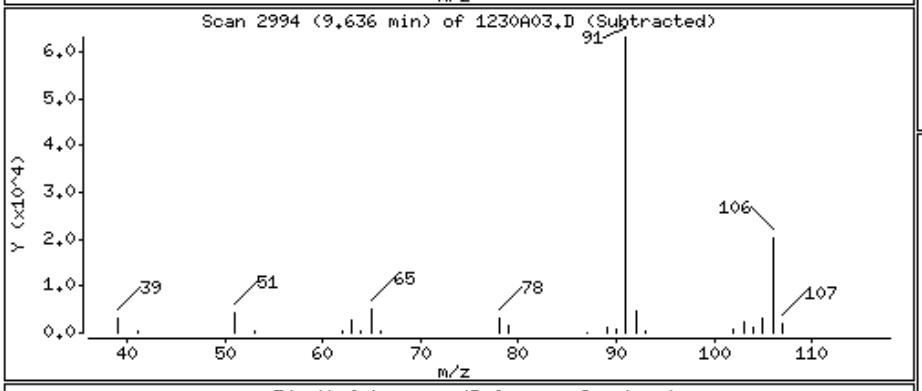
Column diameter: 0.18

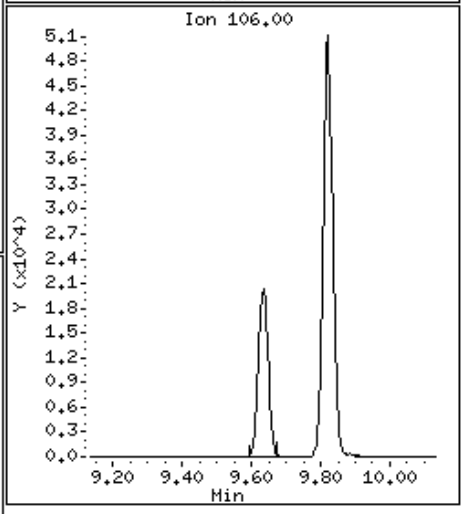
74 ethyl benzene

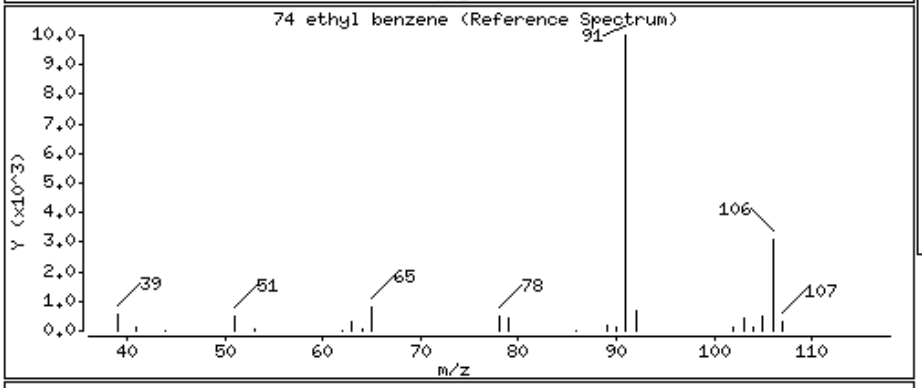
Concentration: 9.476 ngs

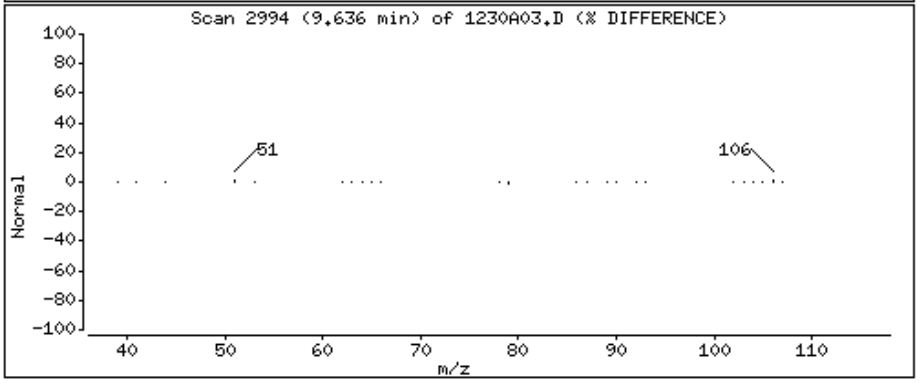












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

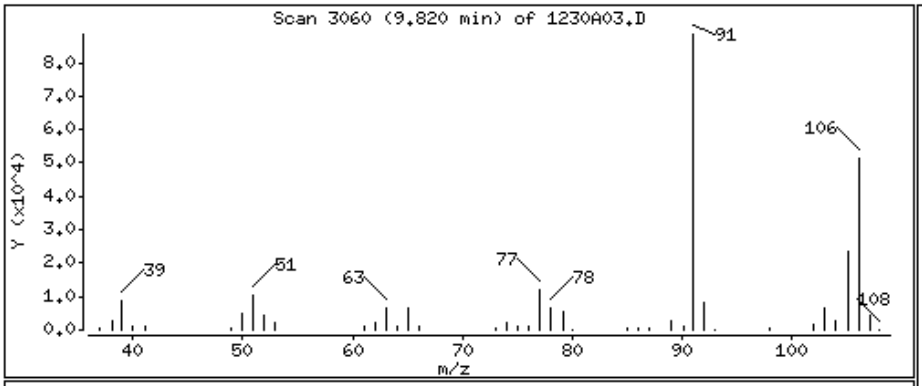
Operator: PD

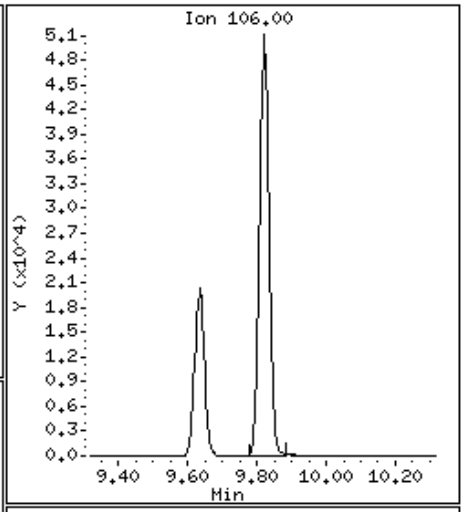
Column phase:

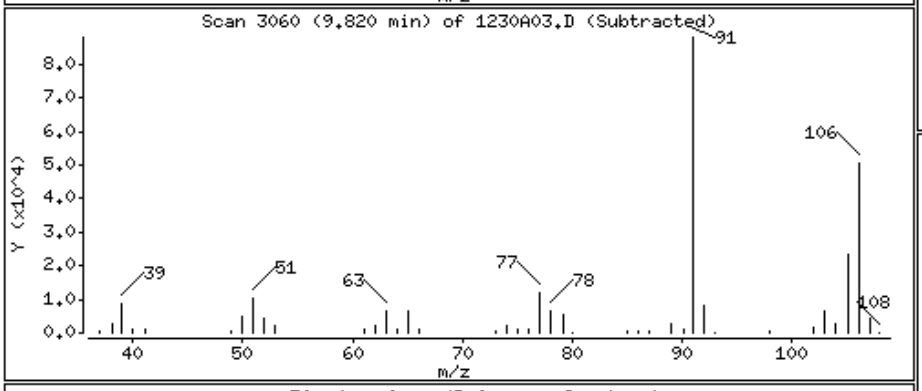
Column diameter: 0.18

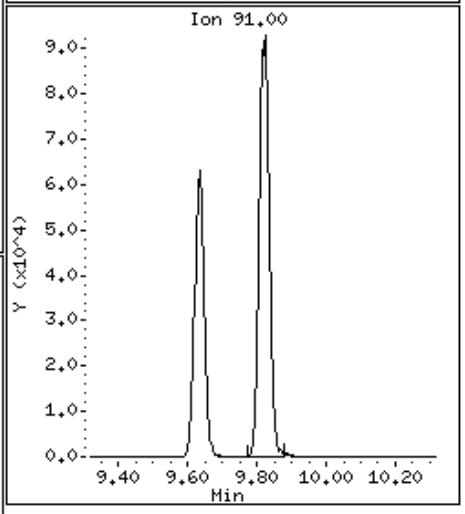
76 p/m xylene

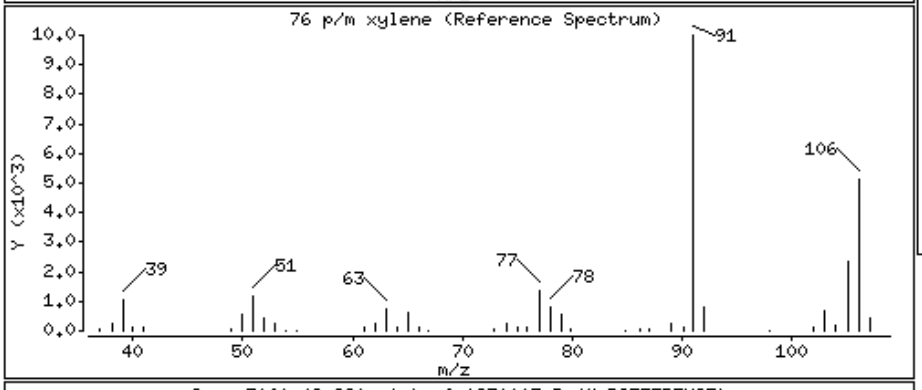
Concentration: 18.345 ngs

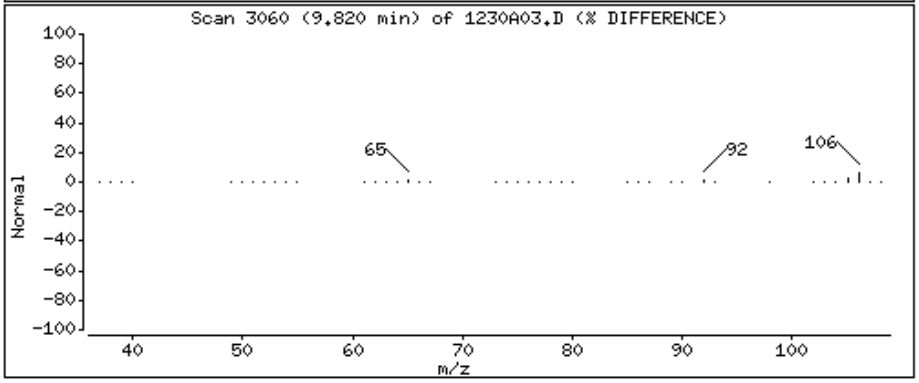












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

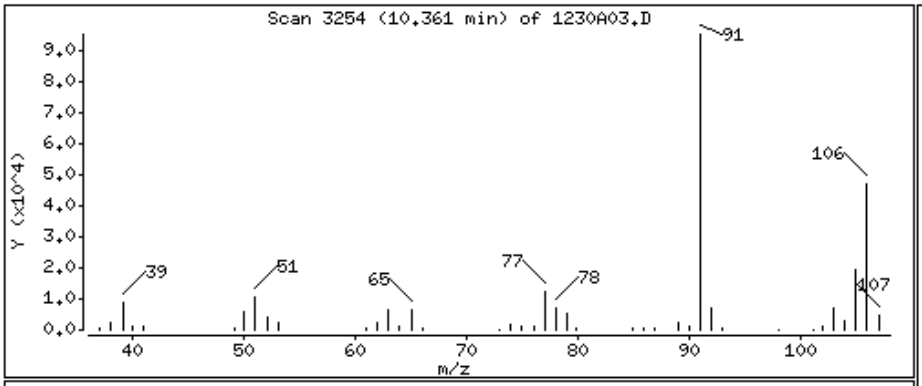
Operator: PD

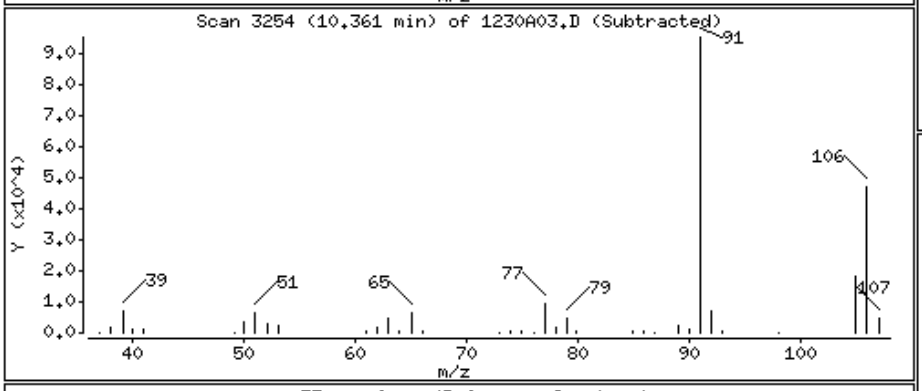
Column phase:

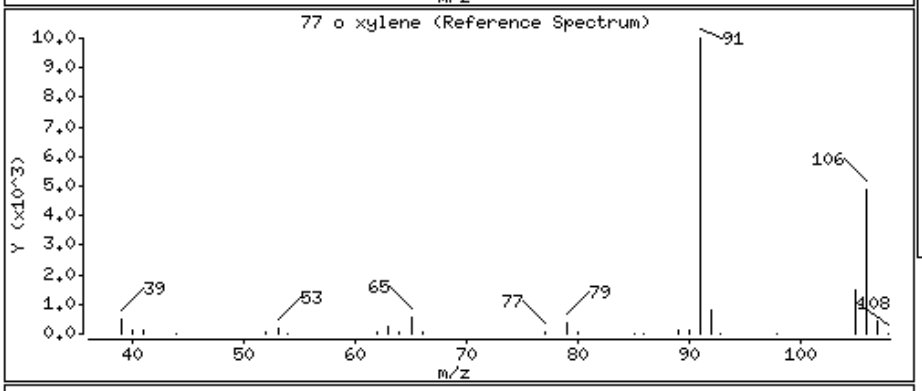
Column diameter: 0.18

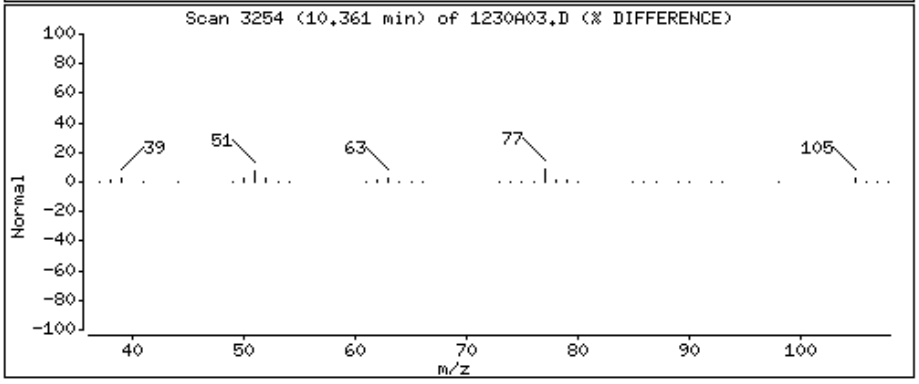
77 o xylene

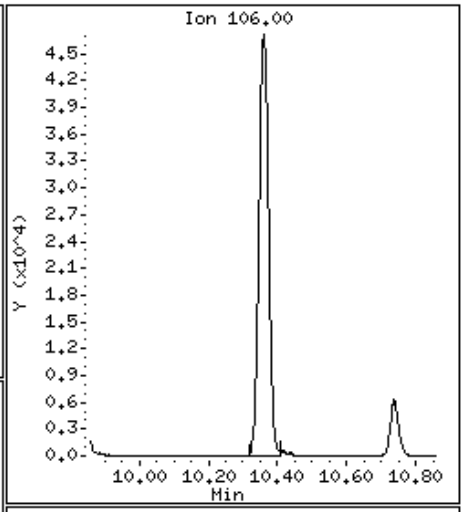
Concentration: 17.214 ngs

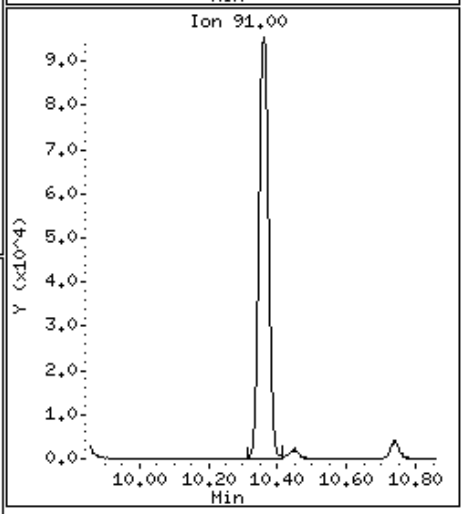












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

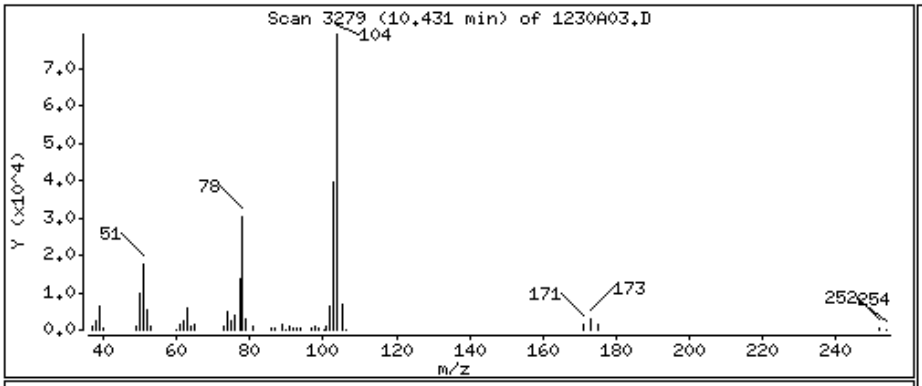
Operator: PD

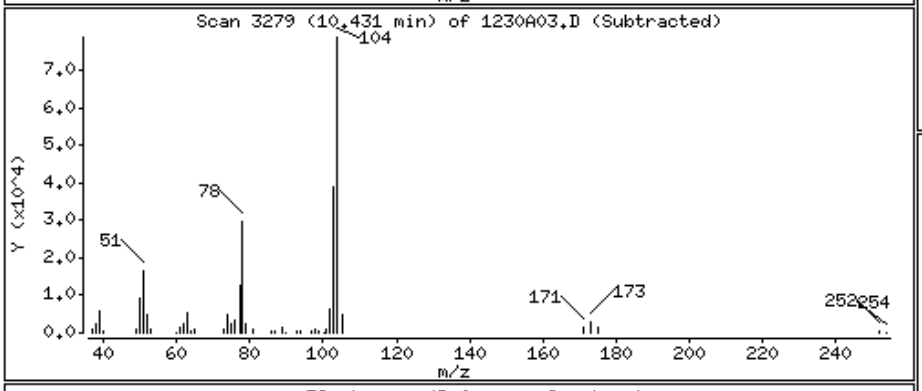
Column phase:

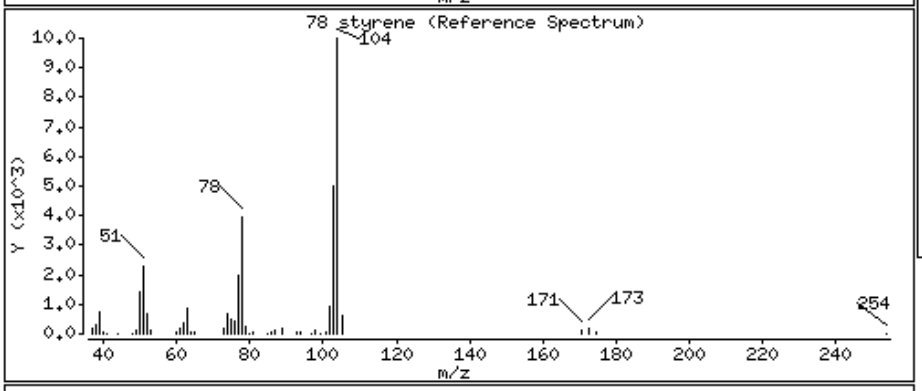
Column diameter: 0.18

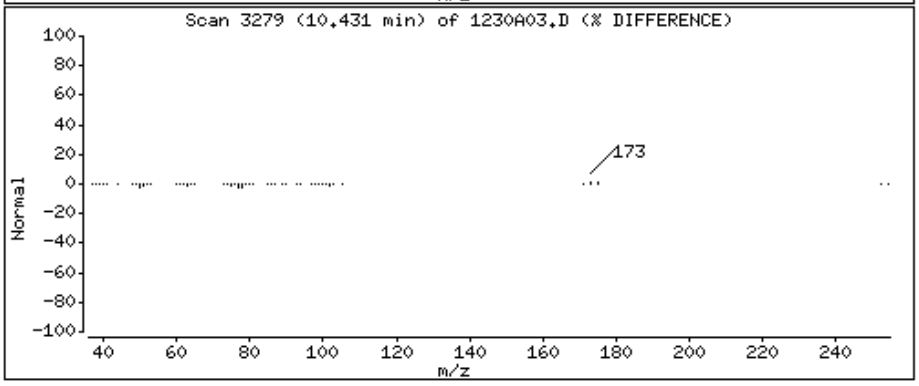
78 styrene

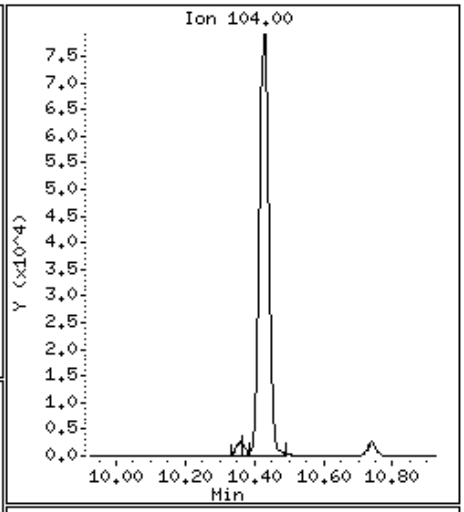
Concentration: 17.829 ngs

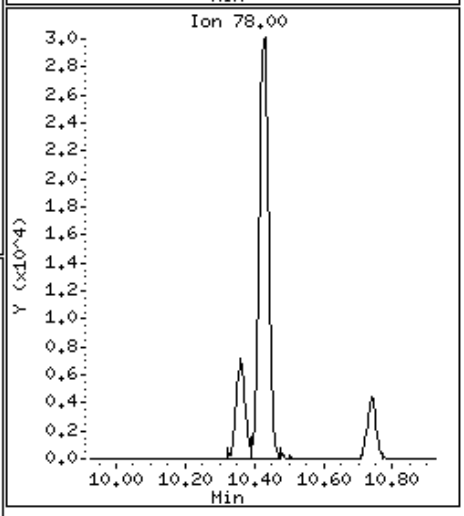












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

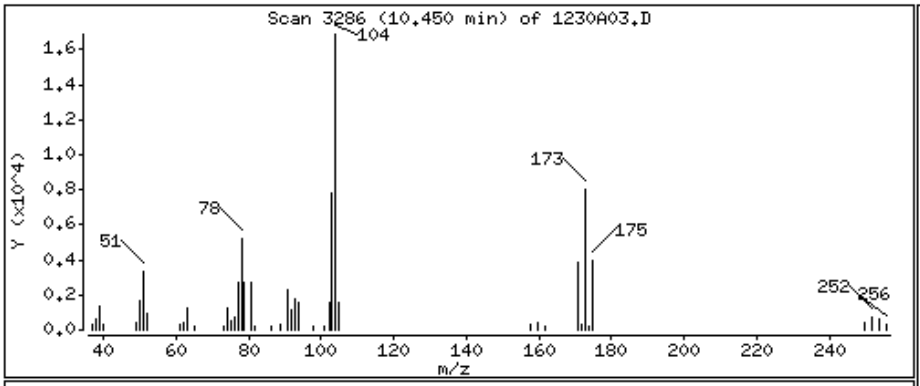
Operator: PD

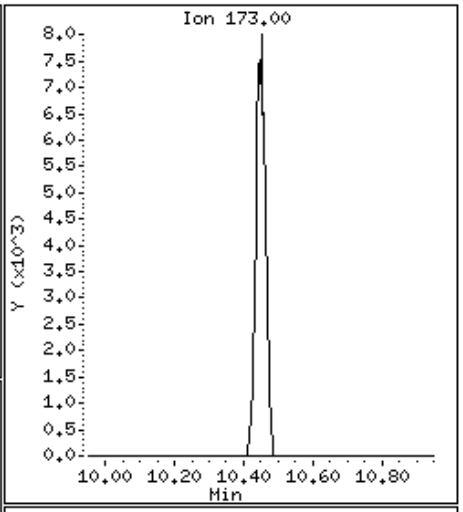
Column phase:

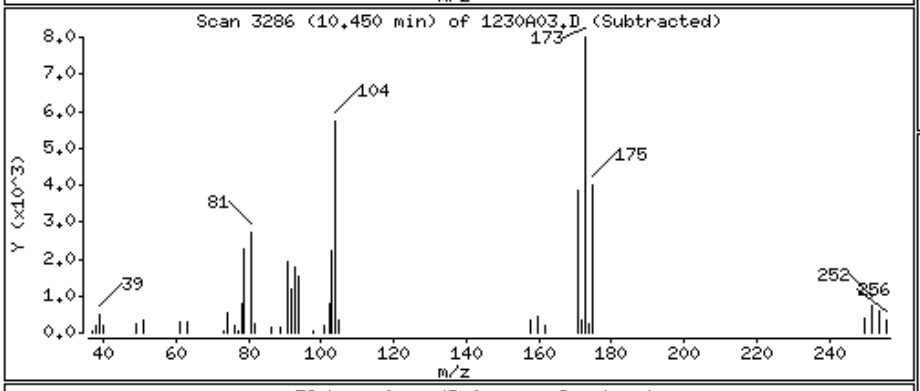
Column diameter: 0.18

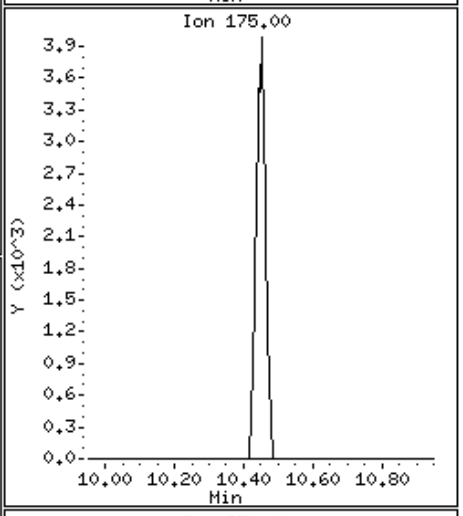
79 bromoform

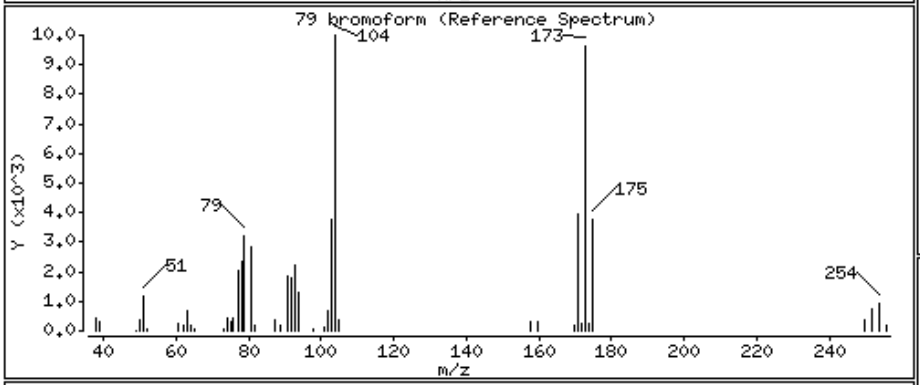
Concentration: 9.392 ngs

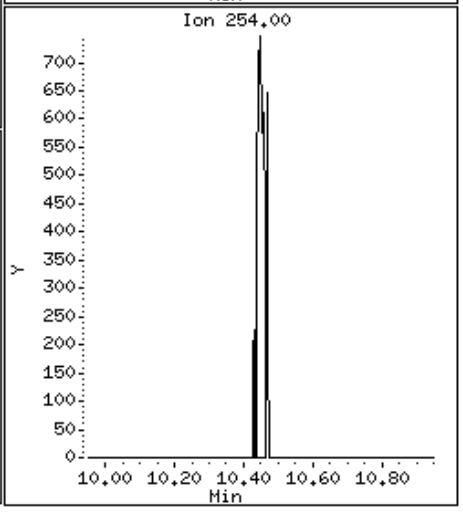


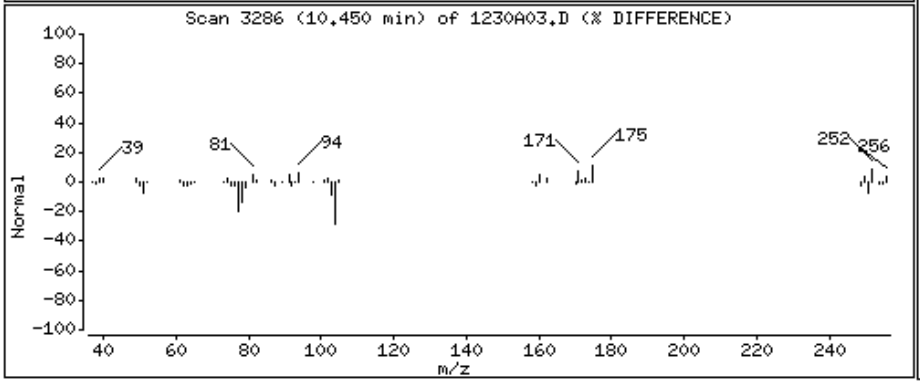












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

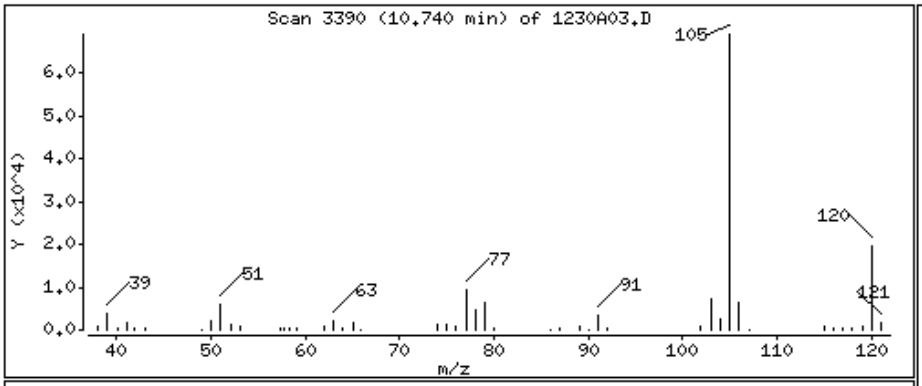
Operator: PD

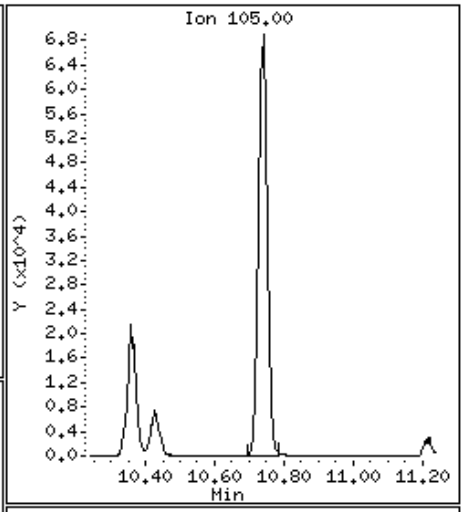
Column phase:

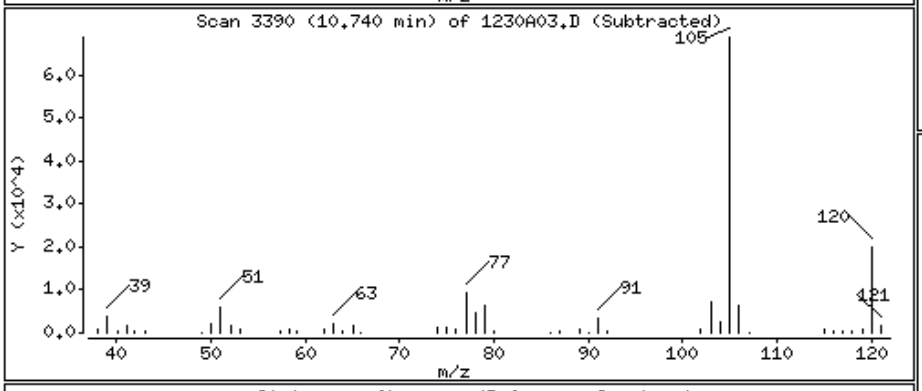
Column diameter: 0.18

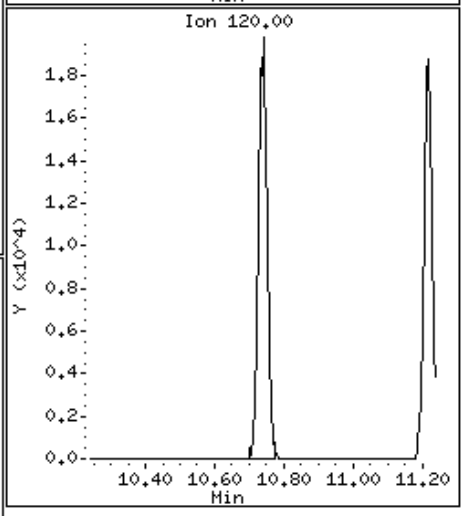
80 isopropylbenzene

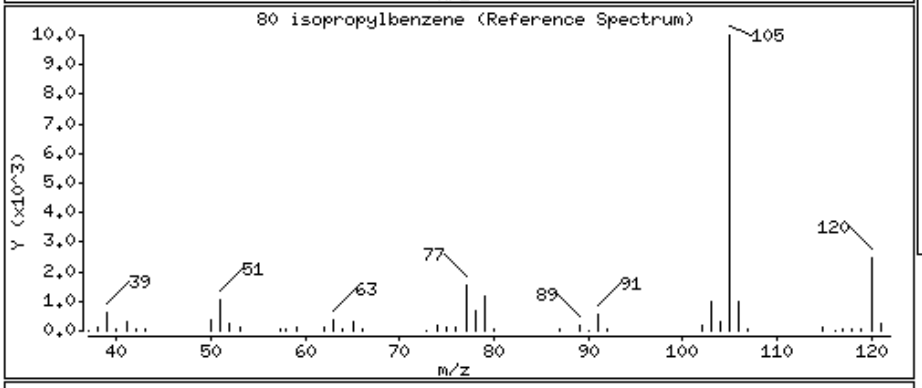
Concentration: 10.026 ngs

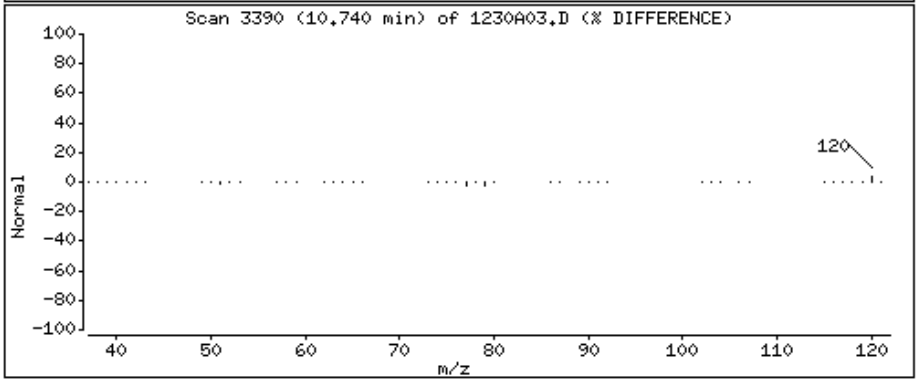












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

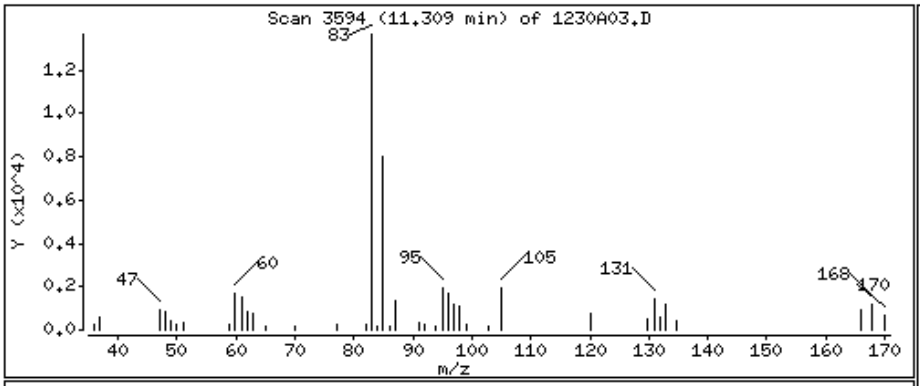
Operator: PD

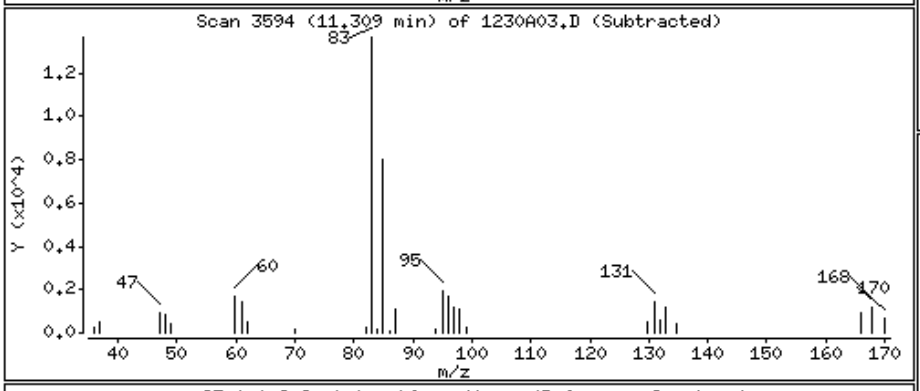
Column phase:

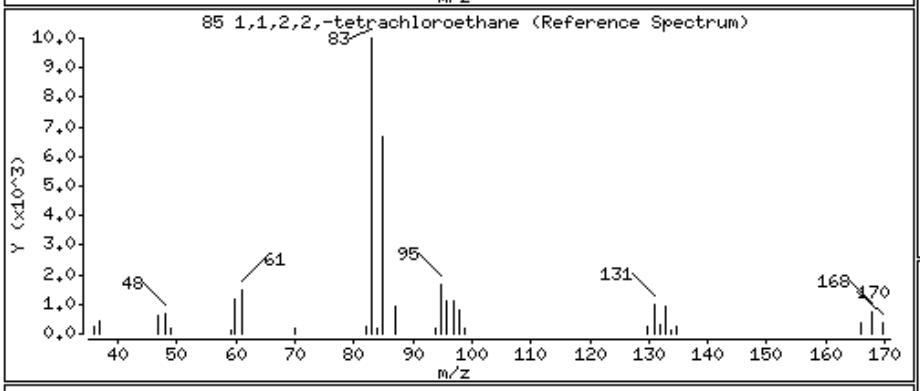
Column diameter: 0.18

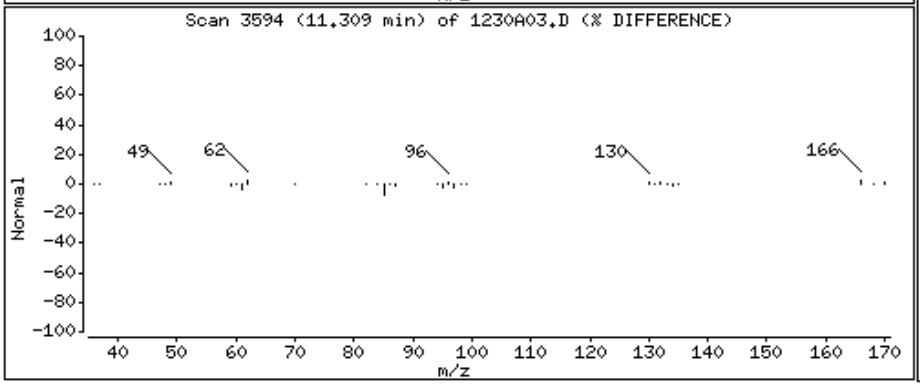
85 1,1,2,2,-tetrachloroethane

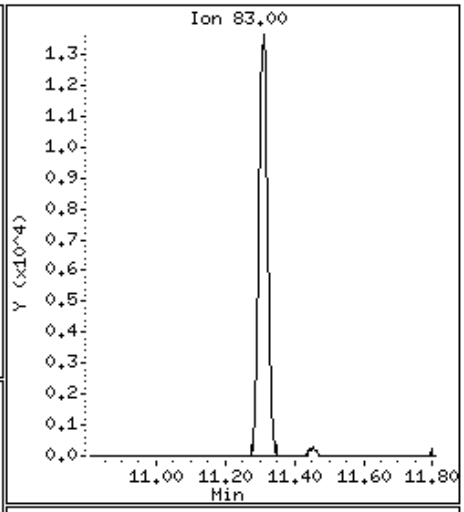
Concentration: 10.576 ngs

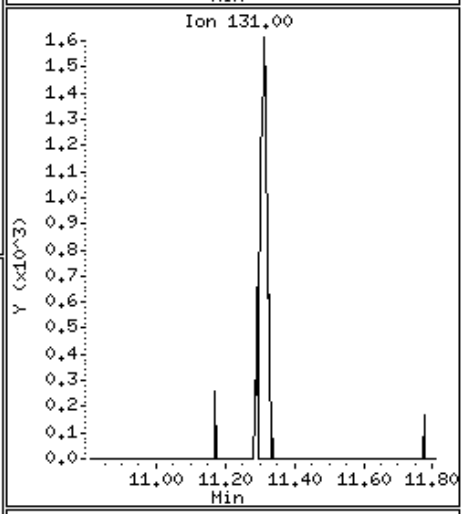


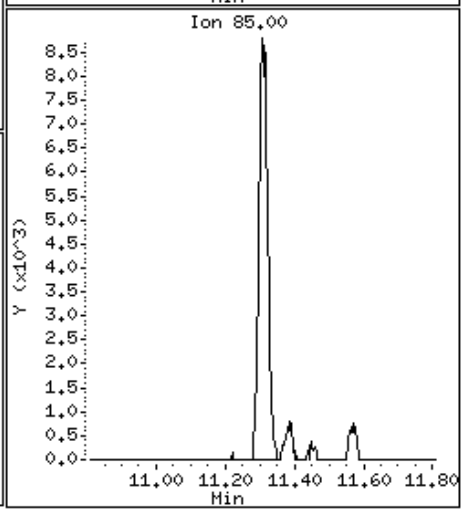












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

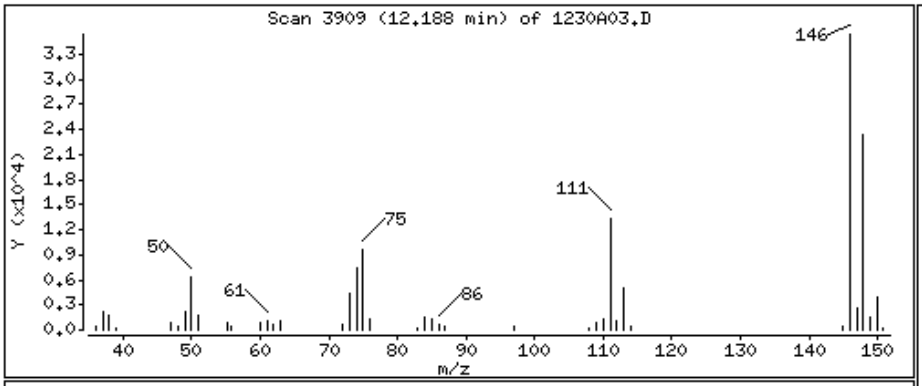
Operator: PD

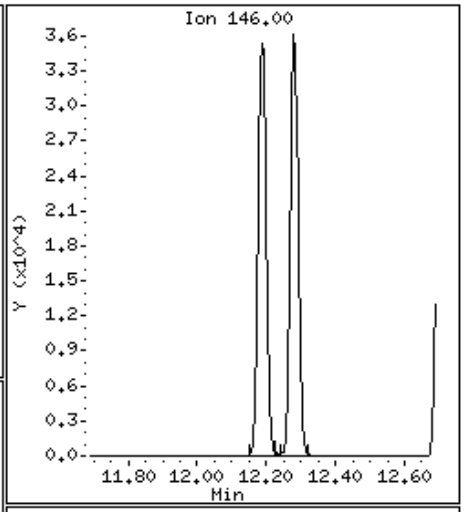
Column phase:

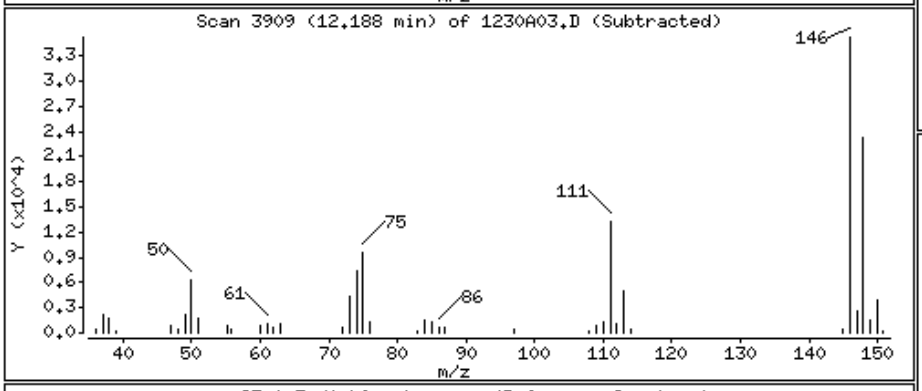
Column diameter: 0.18

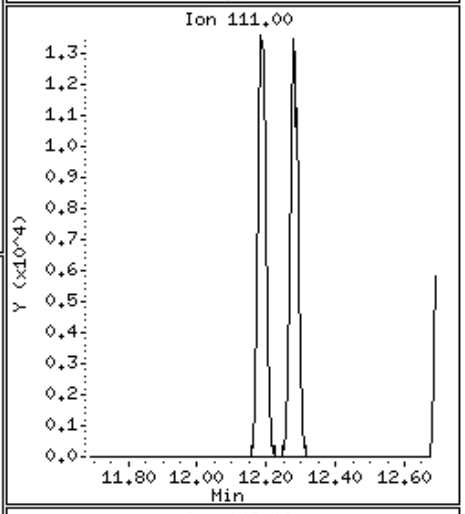
97 1,3-dichlorobenzene

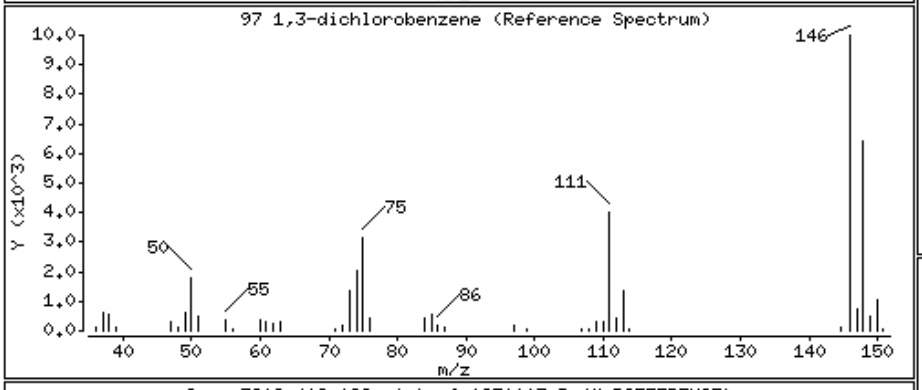
Concentration: 9.965 ngs

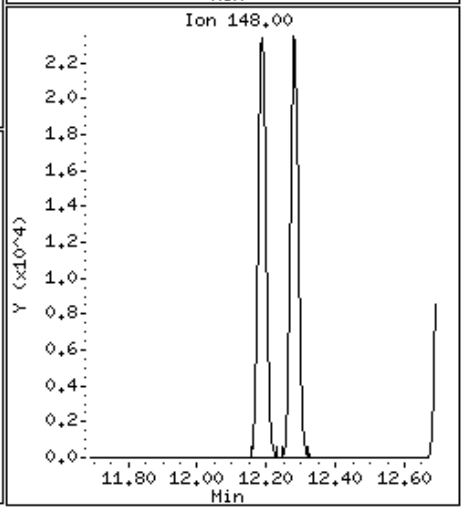


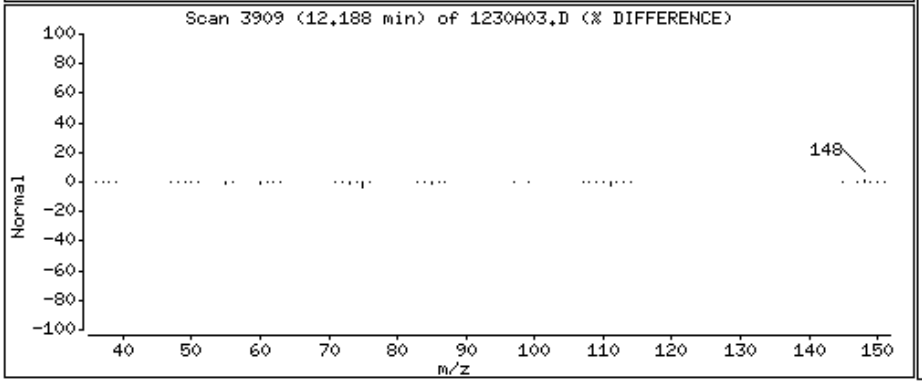












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

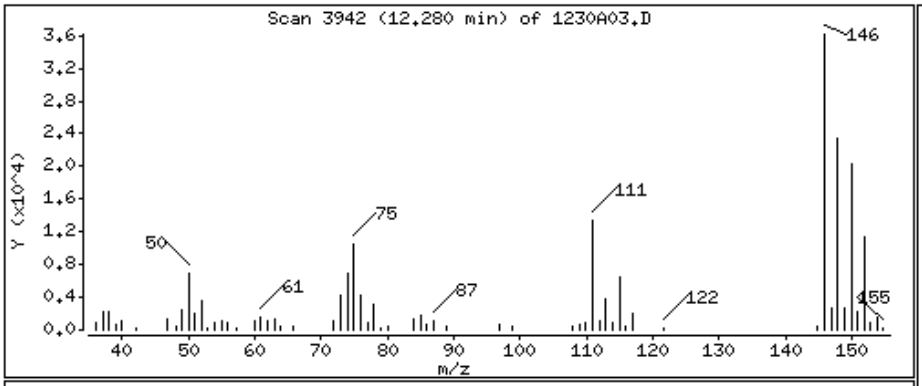
Operator: PD

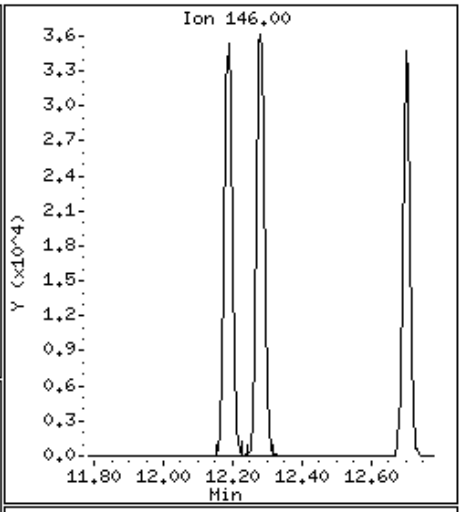
Column phase:

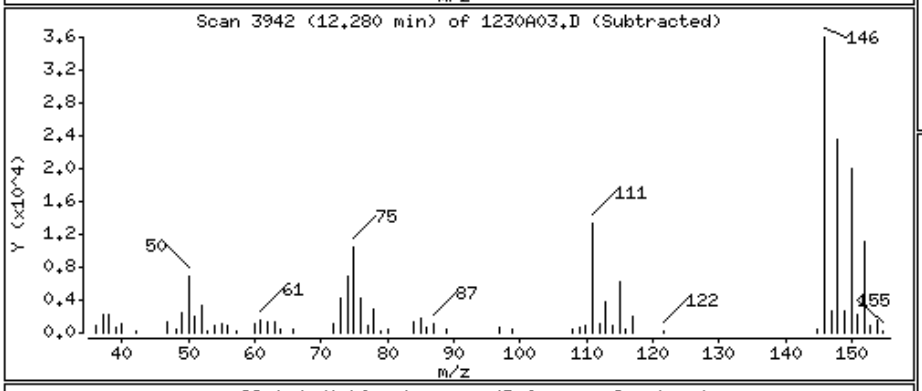
Column diameter: 0.18

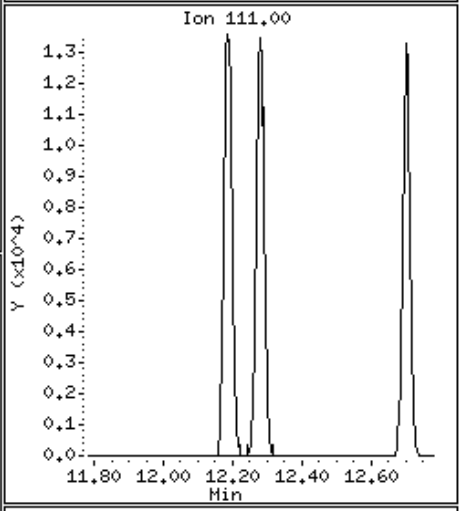
99 1,4-dichlorobenzene

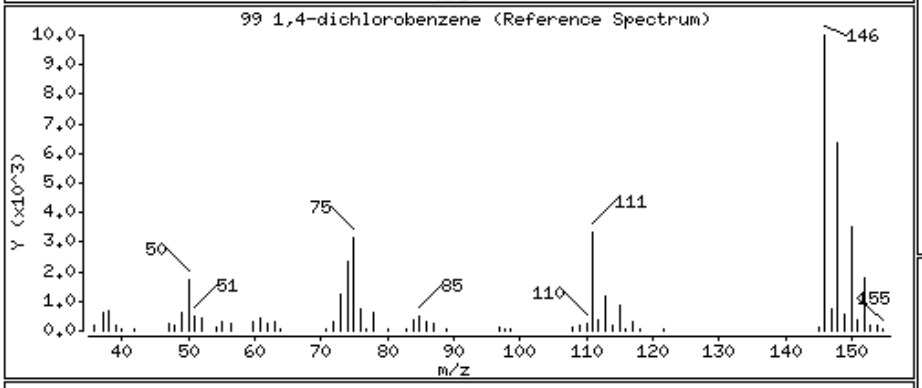
Concentration: 10.060 ngs

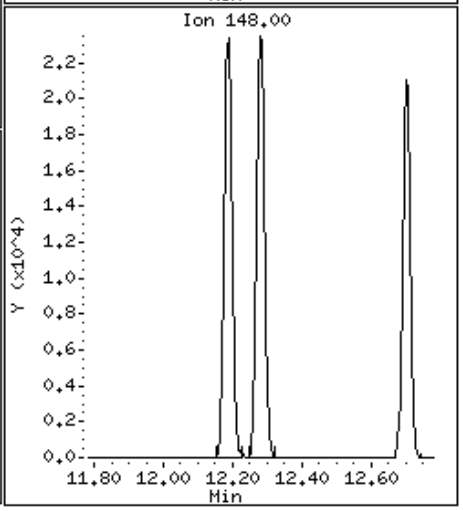


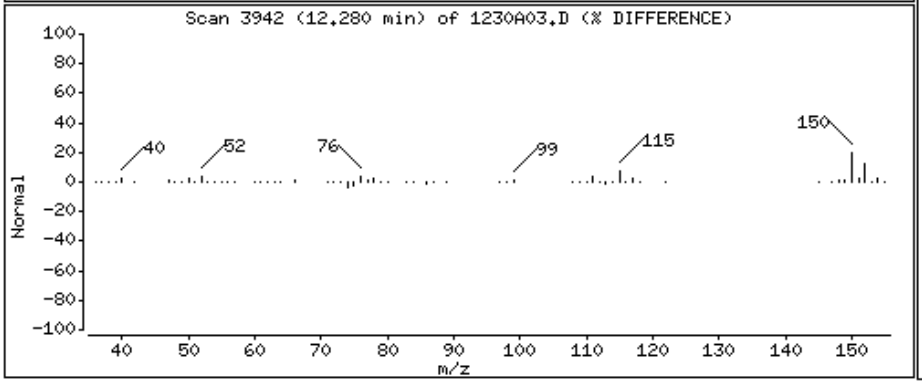












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

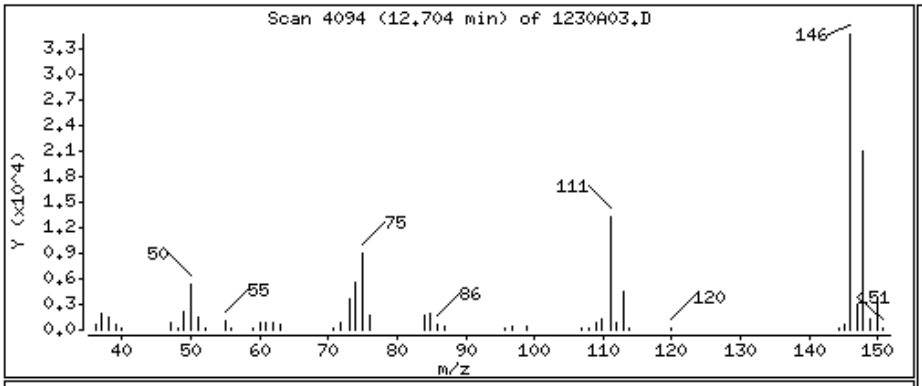
Operator: PD

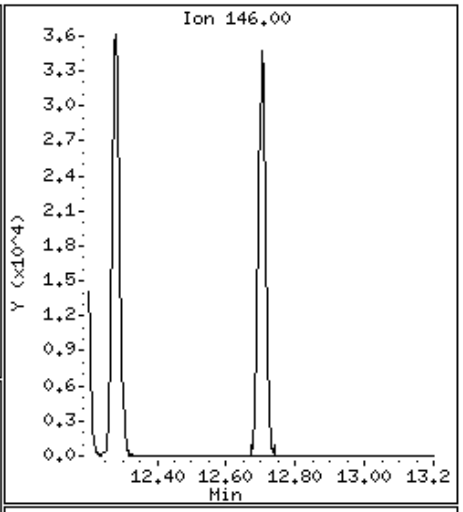
Column phase:

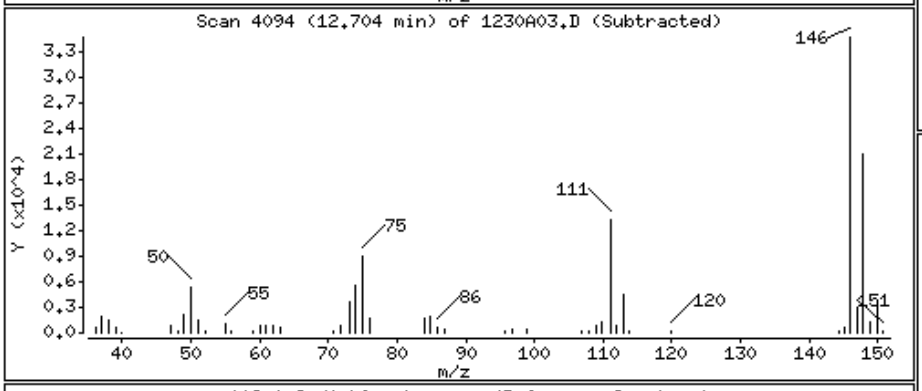
Column diameter: 0.18

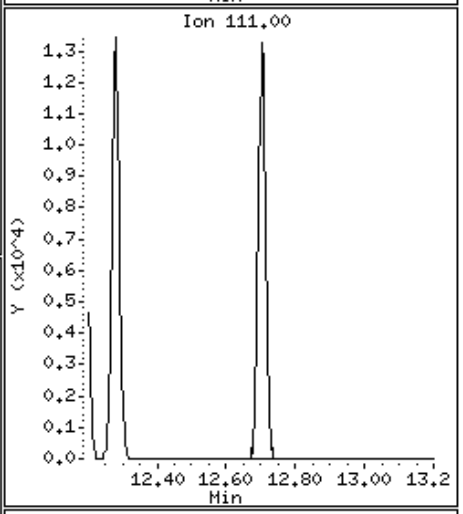
102 1,2-dichlorobenzene

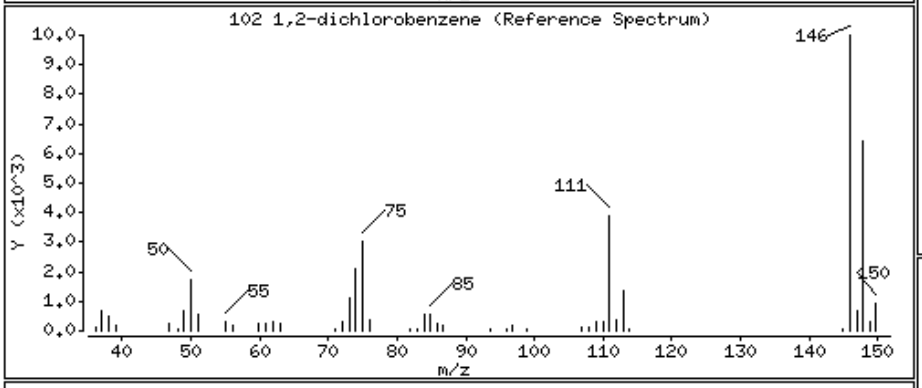
Concentration: 10.026 ngs

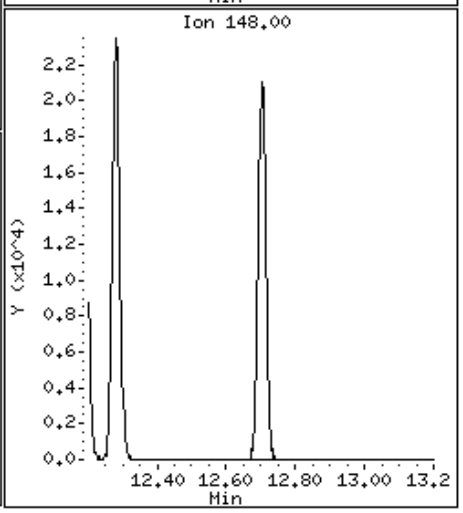


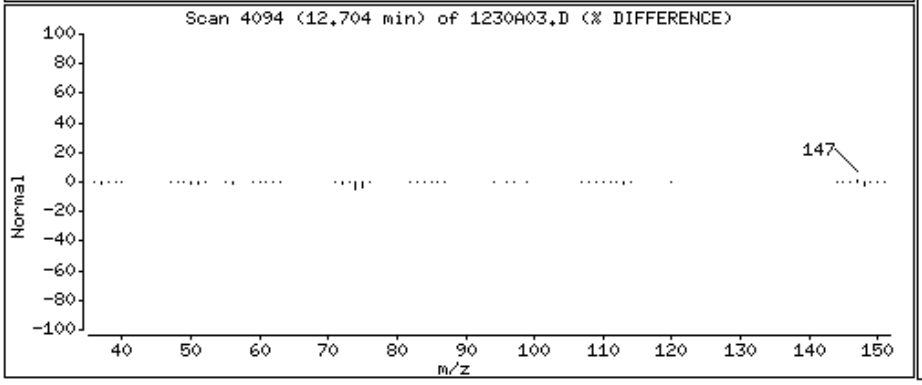












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

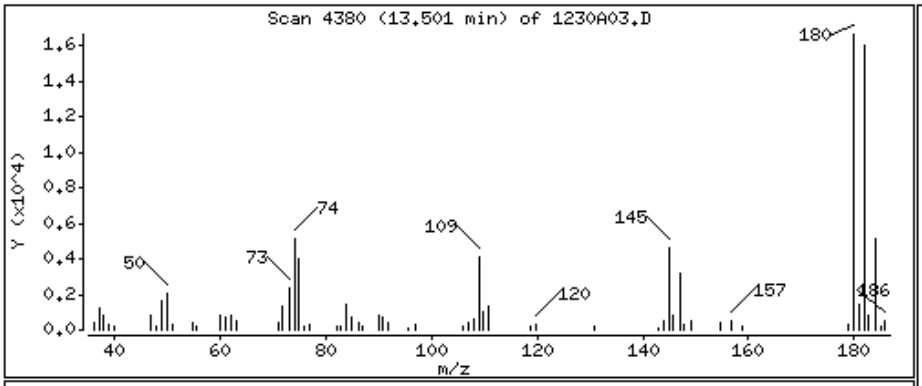
Operator: PD

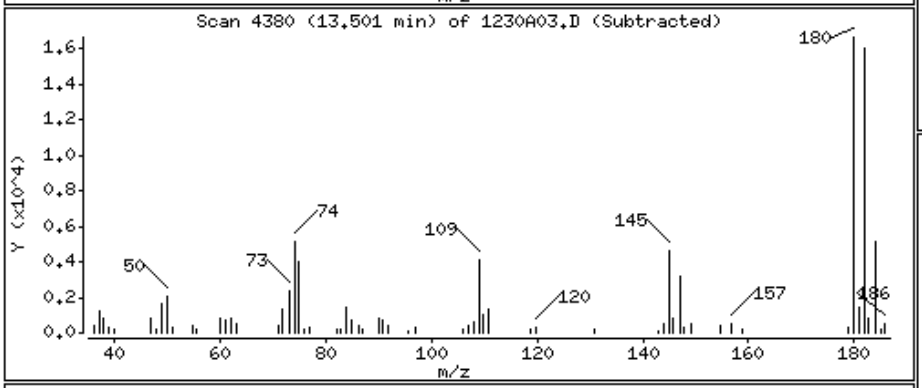
Column phase:

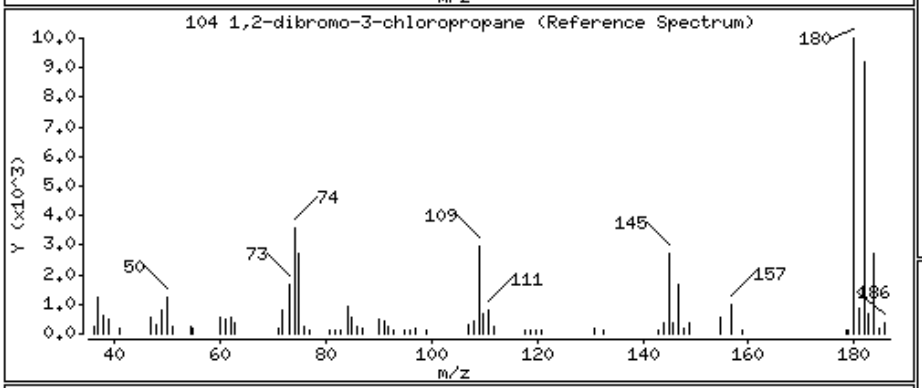
Column diameter: 0.18

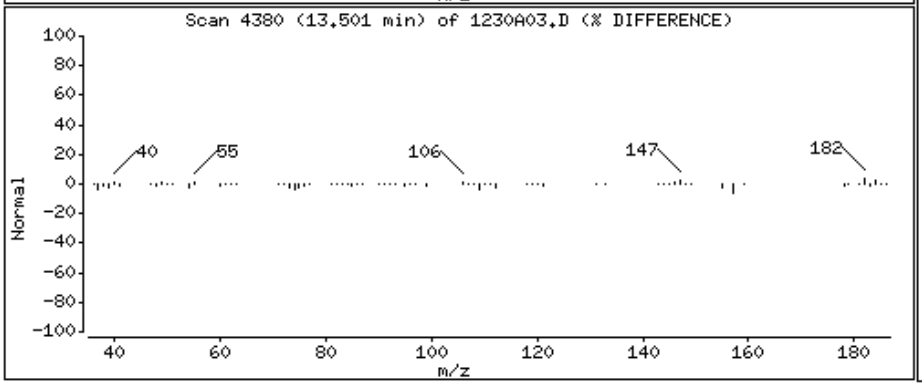
104 1,2-dibromo-3-chloropropane

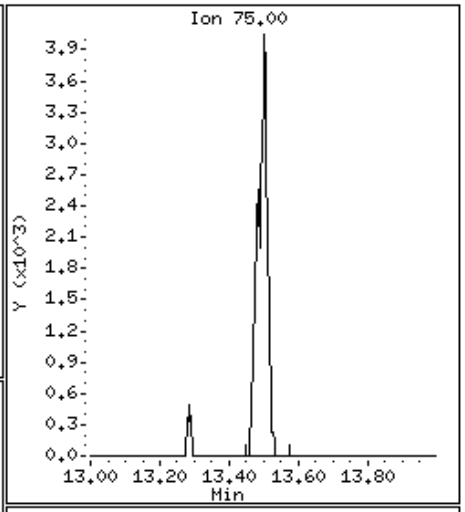
Concentration: 9.775 ngs

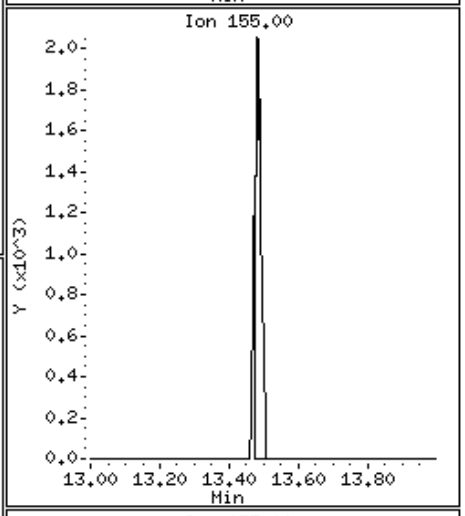


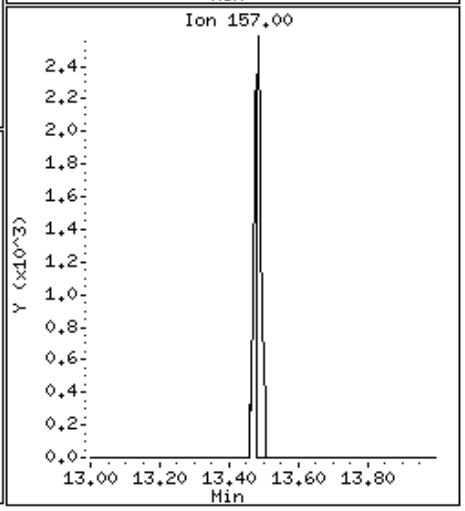












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

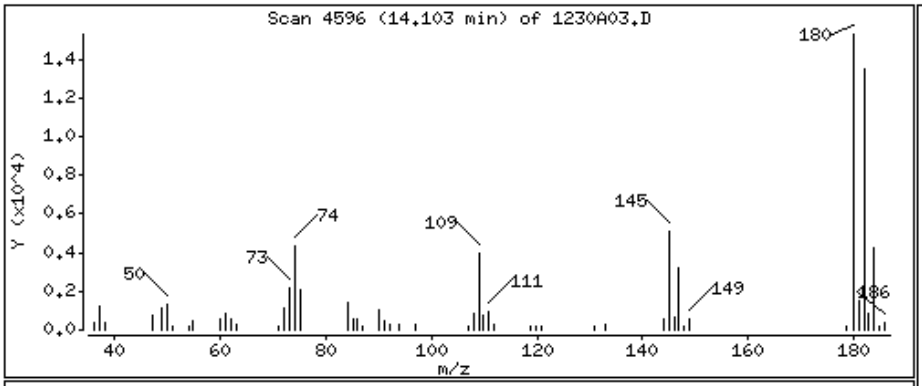
Operator: PD

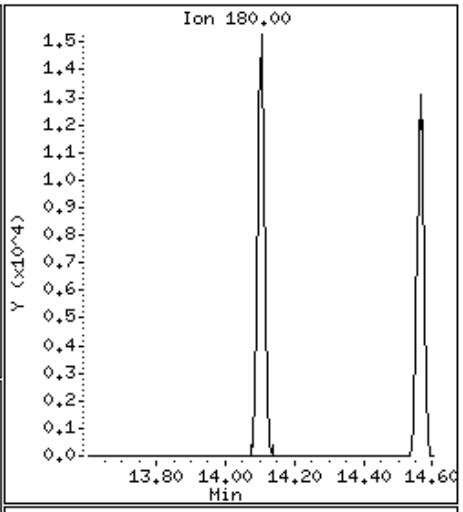
Column phase:

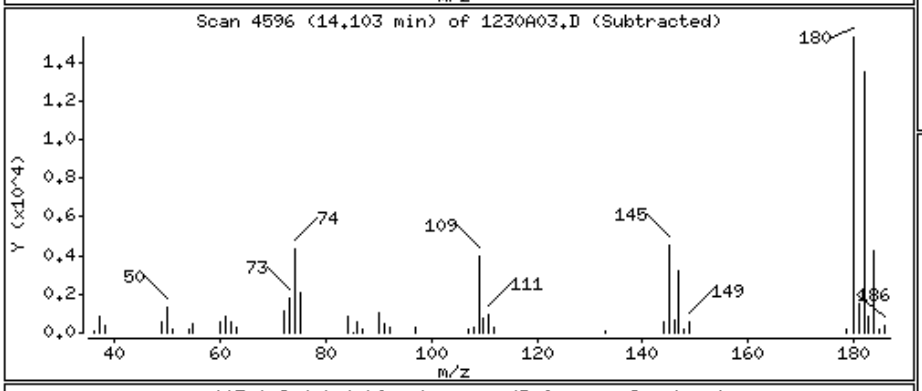
Column diameter: 0.18

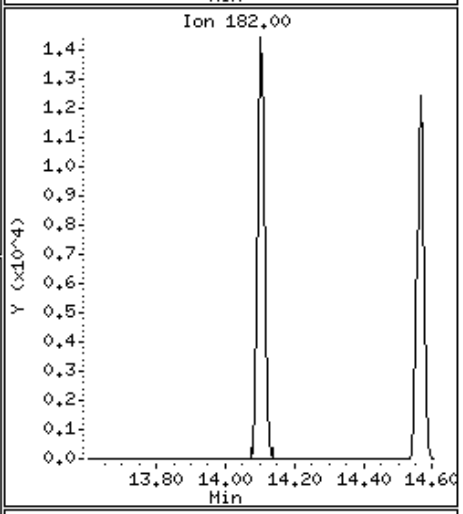
107 1,2,4-trichlorobenzene

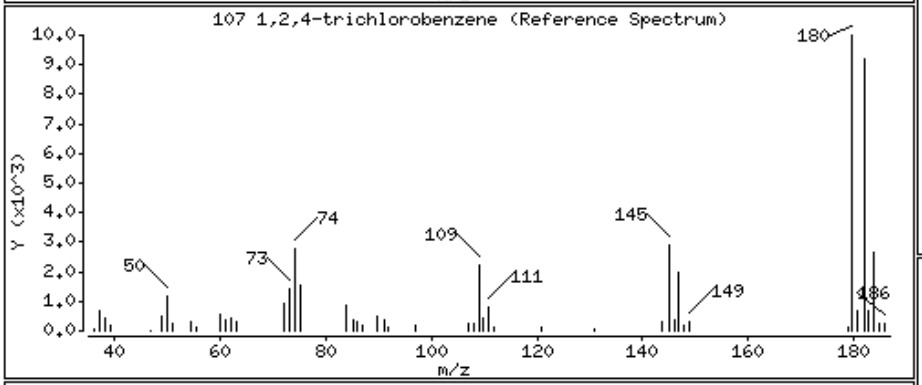
Concentration: 8.935 ngs

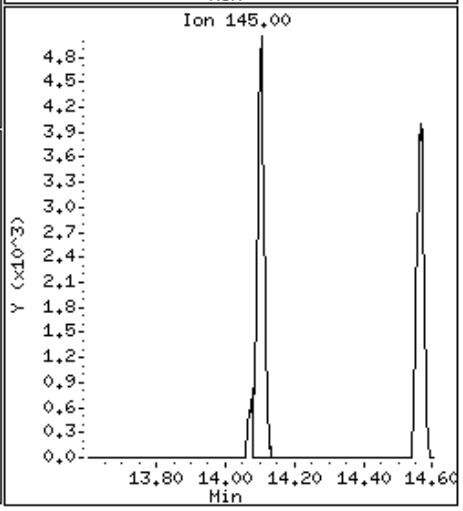


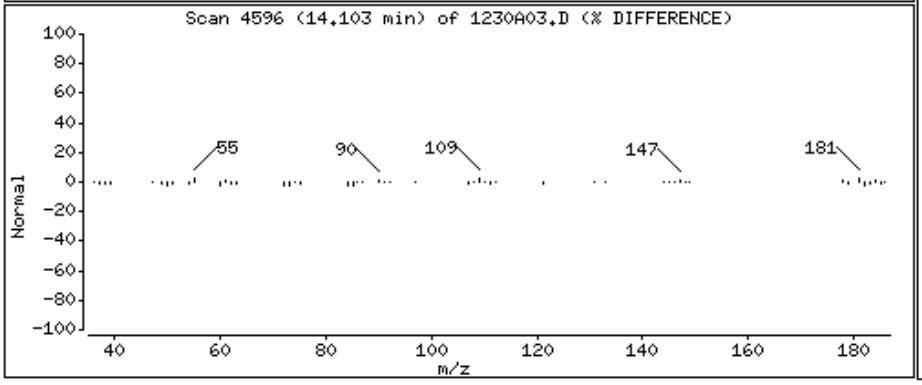












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A03.D

Date : 30-DEC-2015 08:20

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-2,31,10

Purge Volume: 10.0

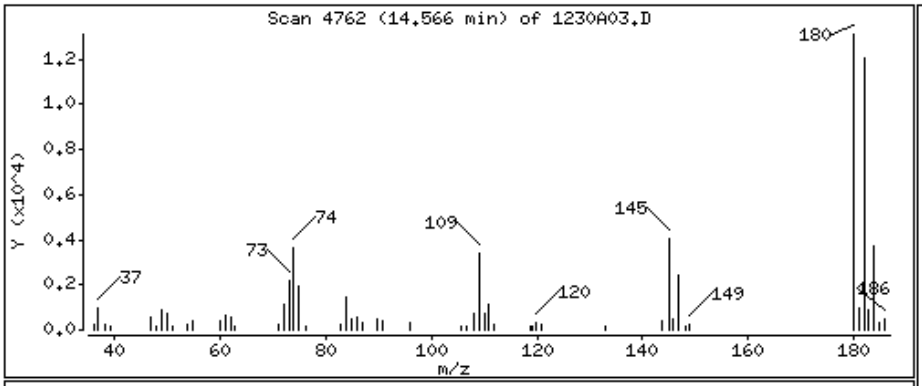
Operator: PD

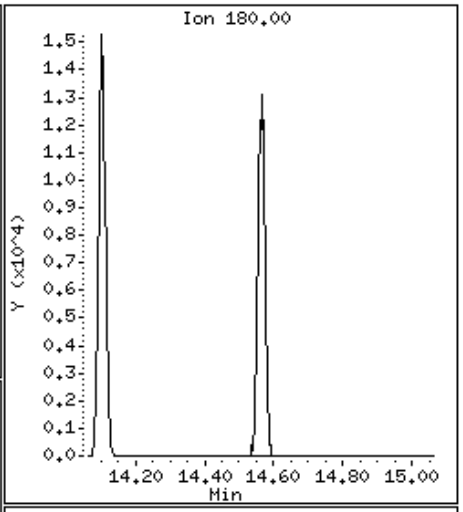
Column phase:

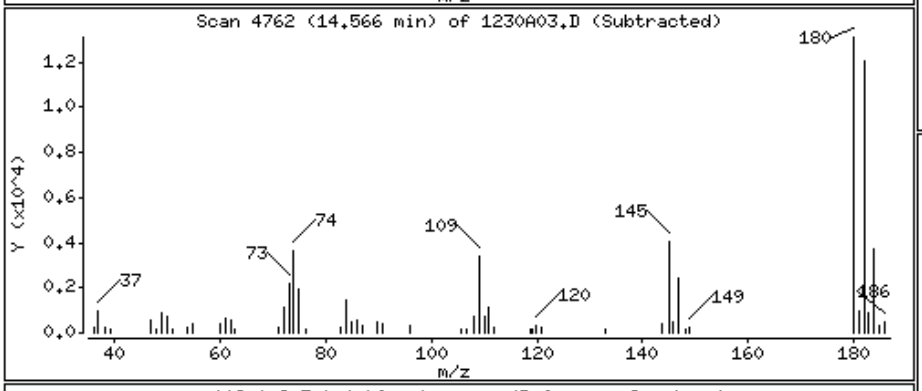
Column diameter: 0.18

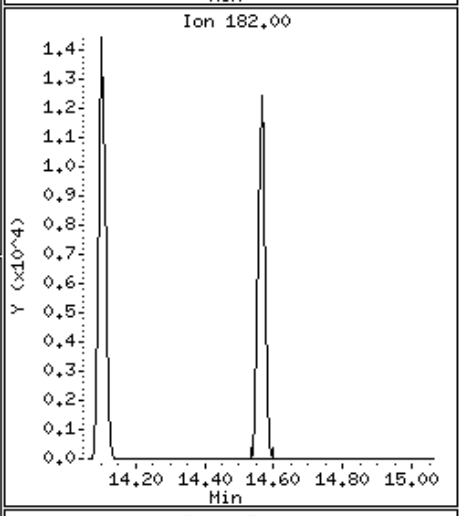
109 1,2,3-trichlorobenzene

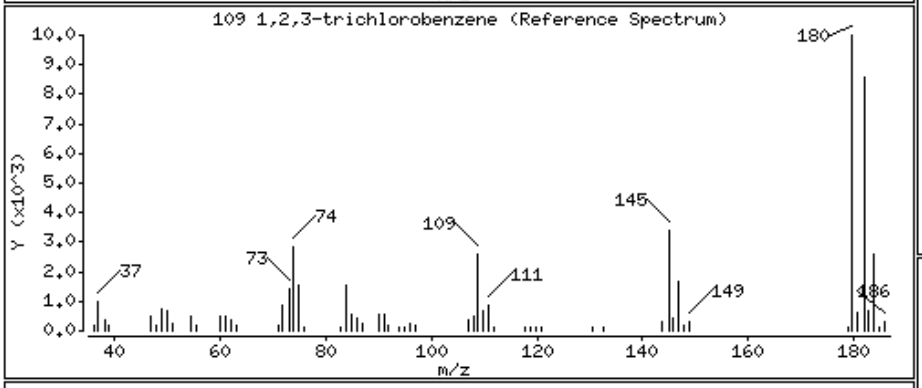
Concentration: 9.248 ngs

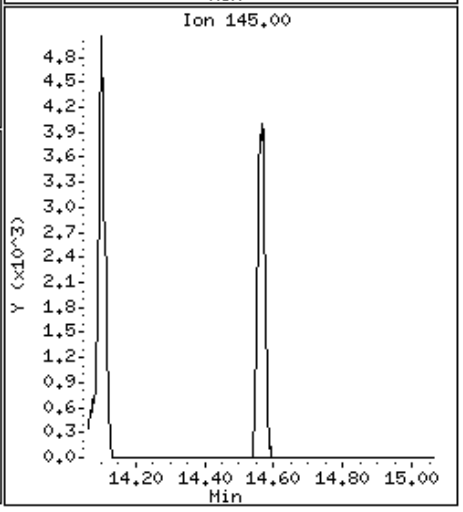


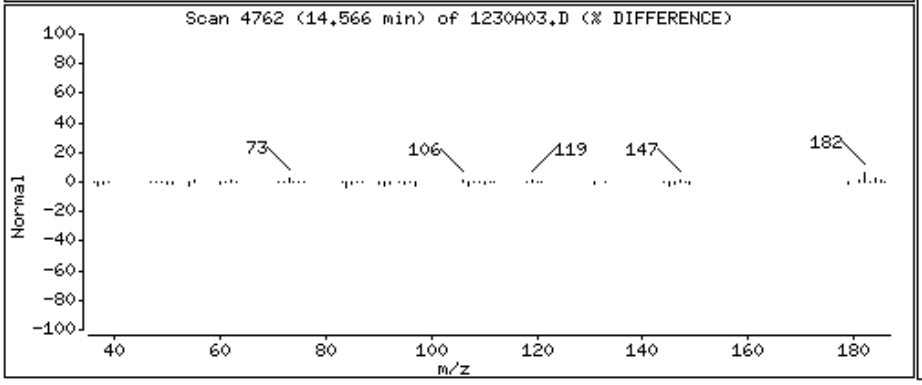












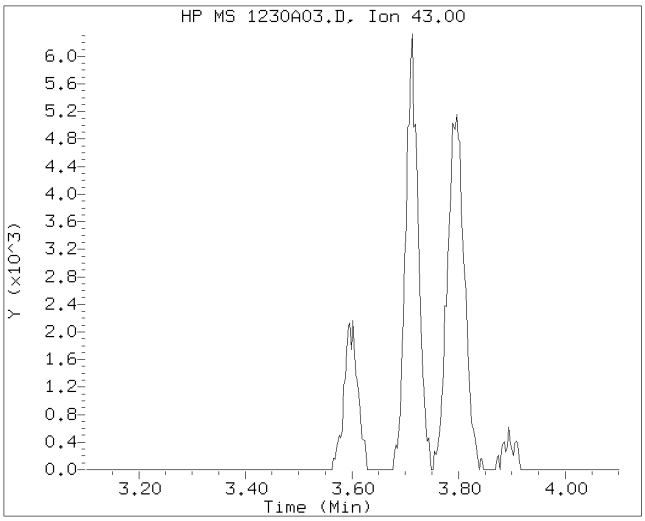
Alpha Analytical Labs

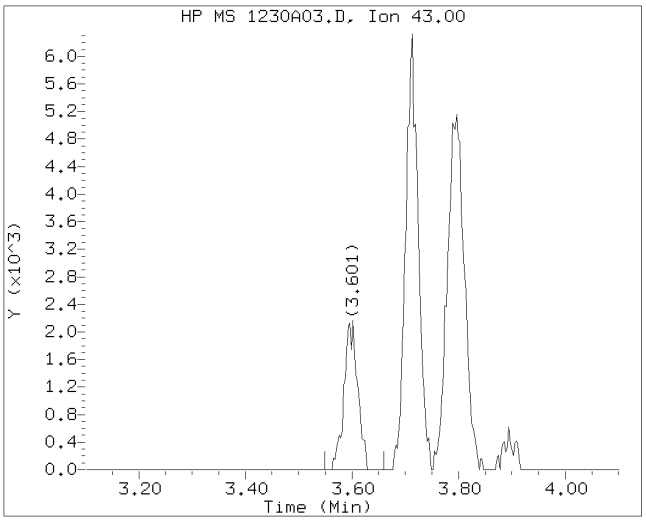
Manual Integration

Sample Info : wg854069-2,31,10
wg854069,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1230A03.D
Injection Date : 30-DEC-2015 08:20
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: LCSD

Compound # 16: acetone

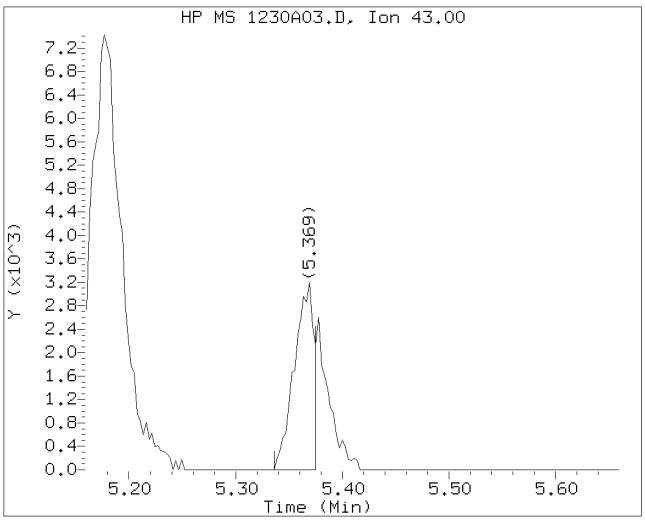


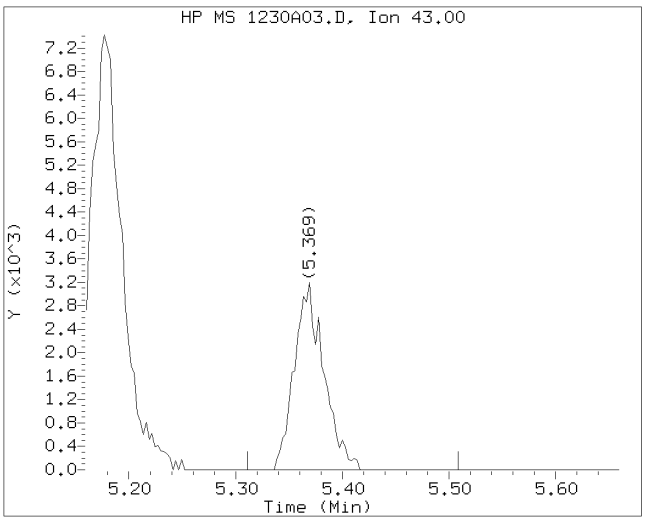


Original Peak Response = 0 Manual Peak Response = 3848 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 38: 2-butanone





Original Peak Response = 4129 Manual Peak Response = 6129 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

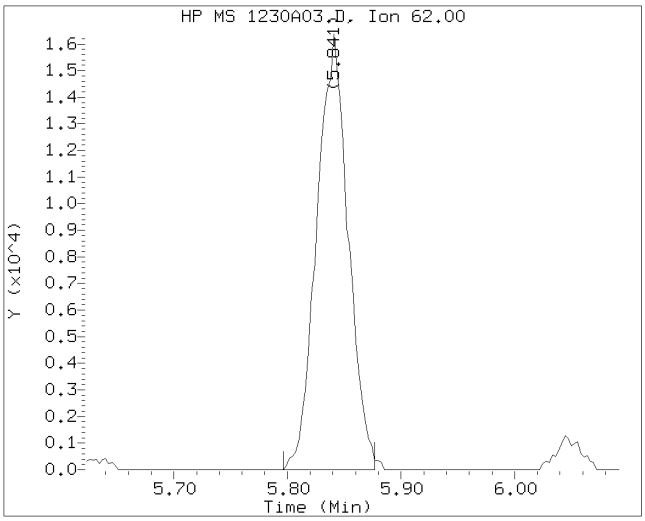
Alpha Analytical Labs

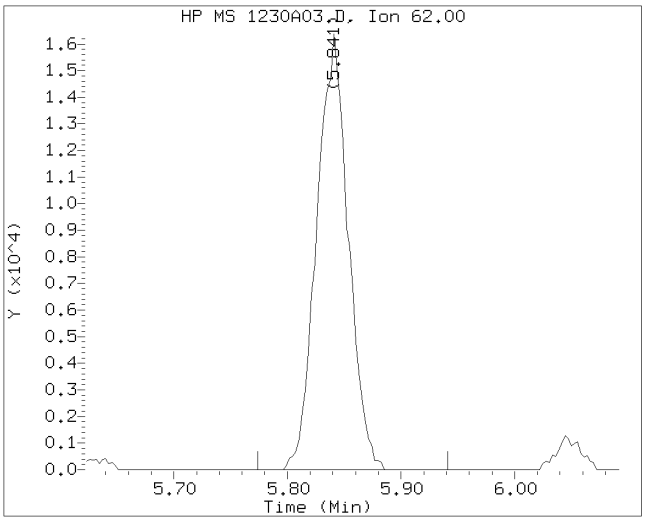
Manual Integration

Sample Info : wg854-4,31,10
wg854,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1230A03.D
Injection Date : 30-DEC-2015 08:20
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: LCSD

Compound # 43: 1,2-dichloroethane

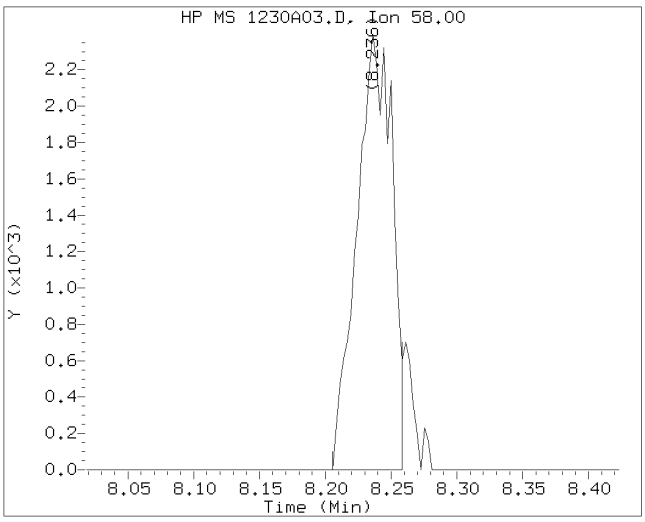


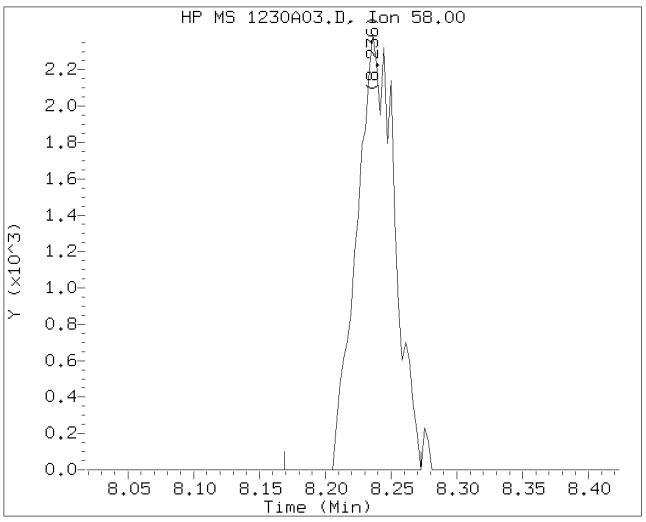


Original Peak Response = 31592 Manual Peak Response = 31698 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 60: 4-methyl-2-pentanone





Original Peak Response = 4526 Manual Peak Response = 4842 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

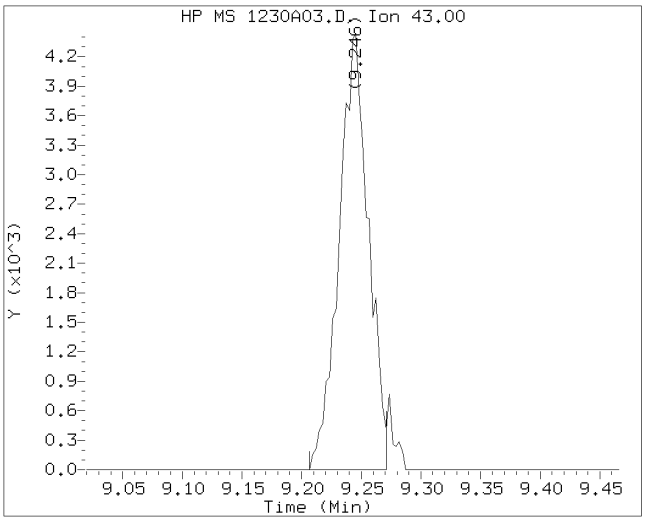
Alpha Analytical Labs

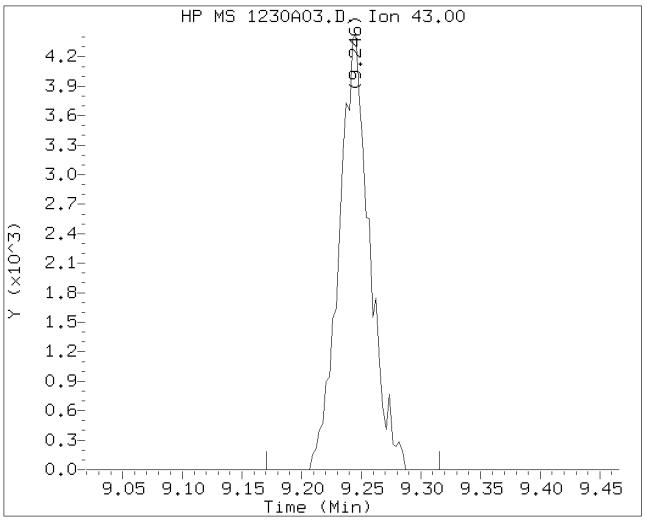
Manual Integration

Sample Info : wg854-4,31,10
wg854,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1230A03.D
Injection Date : 30-DEC-2015 08:20
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: LCSD

Compound # 71: 2-hexanone

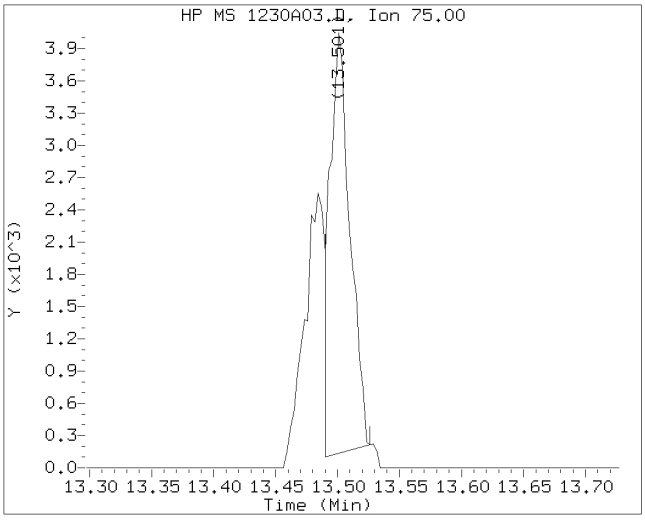


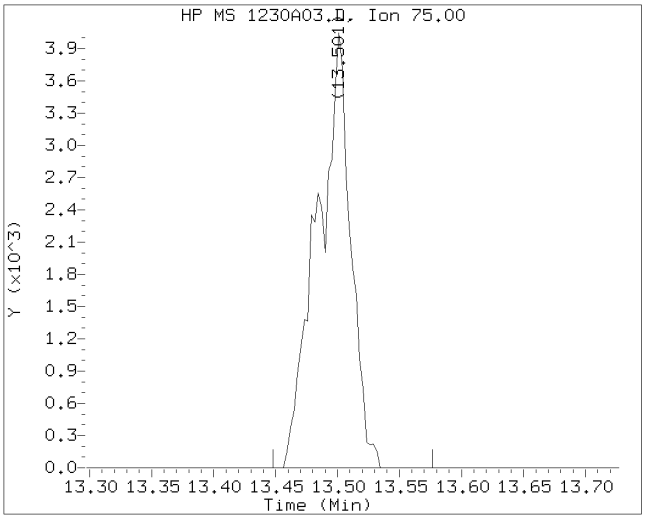


Original Peak Response = 7645 Manual Peak Response = 7933 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 104: 1,2-dibromo-3-chloropropane





Original Peak Response = 4579 Manual Peak Response = 7602 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D
Lab Smp Id:
Inj Date : 31-DEC-2015 10:09
Operator : PD Inst ID: Voa108.i
Smp Info : wg853951-9,31,10
Misc Info : wg853951,ical11667
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Meth Date : 31-Dec-2015 13:17 Voa108.i Quant Type: ISTD
Cal Date : 07-NOV-2015 22:27 Cal File: 1107A10.D
Als bottle: 2 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	1.652	1.655	(0.273)	20705	116.148	11.614	
2	chloromethane	50	1.838	1.841	(0.304)	23756	130.490	13.048(RM)	M1
3	vinyl chloride	62	1.919	1.925	(0.317)	24067	102.745	10.274	
4	bromomethane	94	2.237	2.240	(0.370)	15000	96.5207	9.652(M)	M1
5	chloroethane	64	2.349	2.357	(0.388)	19327	78.7095	7.870	
6	trichlorofluoromethane	101	2.496	2.497	(0.413)	43906	77.4623	7.746	
9	1,1,-dichloroethene	96	2.984	2.987	(0.493)	24326	76.8647	7.686	
11	freon-113	101	3.024	3.024	(0.500)	24145	75.0694	7.506	
10	carbon disulfide	76	3.010	3.013	(0.498)	65645	69.8600	6.985	
15	methylene chloride	84	3.545	3.548	(0.586)	21594	109.698	10.969	
16	acetone	43	3.598	3.601	(0.595)	3600	80.3233	8.032(M)	M1
17	trans-1,2-dichloroethene	96	3.696	3.699	(0.611)	21818	111.850	11.184	
18	Methyl Acetate	43	3.712	3.715	(0.614)	9408	114.636	11.463	
19	methyl tert butyl ether	73	3.796	3.799	(0.628)	43014	96.6023	9.660	
22	1,1-dichloroethane	63	4.284	4.284	(0.708)	39878	113.770	11.376(M)	M1
26	vinyl acetate	43	4.521	4.524	(0.747)	43780	105.170	10.517	
27	cis-1,2-dichloroethene	96	4.803	4.803	(0.794)	24605	106.627	10.662	
29	bromochloromethane	128	4.995	4.995	(0.826)	12202	111.808	11.180(Q)	
30	Cyclohexane	56	4.981	4.981	(0.823)	32793	113.117	11.311	
31	chloroform	83	5.062	5.062	(0.837)	39964	105.566	10.556	
33	carbontetrachloride	117	5.188	5.196	(0.858)	34921	116.177	11.617	
$ 36	dibromofluoromethane	113	5.243	5.246	(0.867)	26520	105.363	10.536	
37	1,1,1-trichloroethane	97	5.266	5.269	(0.870)	36568	112.252	11.225(Q)	
38	2-butanone	43	5.372	5.372	(0.888)	5701	91.8787	9.187(Q)	
40	benzene	78	5.628	5.634	(0.930)	86399	106.135	10.613	
$ 42	1,2-dichloroethane-d4	65	5.776	5.776	(0.955)	25146	92.1335	9.213	
43	1,2-dichloroethane	62	5.843	5.843	(0.966)	26420	103.278	10.327	
* 46	flourobenzene	96	6.049	6.052	(1.000)	92056	100.000		

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	47 methyl cyclohexane	83	6.208	6.203	(1.026)	31183	98.1833	9.818	
	48 trichloroethene	95	6.217	6.225	(1.028)	24267	105.967	10.596	
	52 1,2-dichloropropane	63	6.769	6.777	(1.119)	21424	108.277	10.827	
	53 bromodichloromethane	83	6.841	6.844	(1.131)	29909	103.996	10.399	
	57 cis-1,3-dichloropropene	75	7.533	7.533	(1.245)	32303	101.941	10.194	
$	58 toluene-d8	98	7.736	7.739	(0.808)	91508	102.805	10.280	
	59 toluene	92	7.795	7.795	(0.814)	55689	108.041	10.804	
	60 4-methyl-2-pentanone	58	8.244	8.247	(1.363)	3902	80.2611	8.026(QM)	M1
	61 tetrachloroethene	166	8.230	8.233	(0.859)	24795	108.678	10.867	
	62 trans-1,3-dichloropropene	75	8.280	8.283	(0.865)	27831	105.415	10.541	
	66 1,1,2-trichloroethane	83	8.470	8.473	(0.884)	15004	109.615	10.961	
	67 chlorodibromomethane	129	8.673	8.674	(0.906)	22885	109.998	10.999	
	70 1,2-dibromoethane	107	8.955	8.952	(0.935)	17375	106.804	10.680	
	71 2-hexanone	43	9.242	9.248	(0.965)	7027	86.2013	8.620(M)	M1
*	72 chlorobenzene-d5	117	9.577	9.580	(1.000)	72965	100.000		
	73 chlorobenzene	112	9.596	9.602	(1.002)	66430	107.387	10.738	
	74 ethyl benzene	91	9.635	9.636	(1.006)	102985	99.3435	9.934	
	76 p/m xylene	106	9.825	9.822	(1.026)	83325	194.636	19.463	
	77 o xylene	106	10.360	10.363	(1.082)	73100	175.337	17.533	
	78 styrene	104	10.430	10.430	(1.089)	125610	185.605	18.560	
	79 bromoform	173	10.452	10.453	(0.852)	12526	96.1787	9.617	
	80 isopropylbenzene	105	10.740	10.743	(0.876)	100109	102.792	10.279	
$	81 4-bromofluorobenzene	95	11.063	11.069	(0.902)	29723	100.413	10.041	
	85 1,1,2,2,-tetrachloroethane	83	11.311	11.314	(0.922)	19793	110.760	11.075(Q)	
	97 1,3-dichlorobenzene	146	12.190	12.193	(0.994)	48148	105.235	10.523	
*	98 1,4-dichlorobenzene-d4	152	12.265	12.268	(1.000)	36608	100.000		
	99 1,4-dichlorobenzene	146	12.279	12.282	(1.001)	46852	102.186	10.218	
	102 1,2-dichlorobenzene	146	12.703	12.706	(1.036)	43769	107.320	10.731	
	104 1,2-dibromo-3-chloropropane	75	13.500	13.506	(1.101)	6146	97.9906	9.799(M)	M1
	107 1,2,4-trichlorobenzene	180	14.108	14.106	(1.150)	16554	90.1419	9.014	
	109 1,2,3-trichlorobenzene	180	14.568	14.569	(1.188)	15260	97.2261	9.722	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Lab File ID: 1231B02.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Misc Info: wg853951,ical11667

Calibration Date: 31-DEC-2015
Calibration Time: 09:40
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
46 flourobenzene	95986	47993	191972	92056	-4.09
72 chlorobenzene-d5	74653	37327	149306	72965	-2.26
98 1,4-dichlorobenze	39175	19588	78350	36608	-6.55

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
46 flourobenzene	6.05	5.55	6.55	6.05	-0.05
72 chlorobenzene-d5	9.58	9.08	10.08	9.58	-0.03
98 1,4-dichlorobenze	12.27	11.77	12.77	12.27	-0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: LCSD
SpikeList File: newtcreek.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\liq8260C.m
Misc Info: wg853951,ical11667

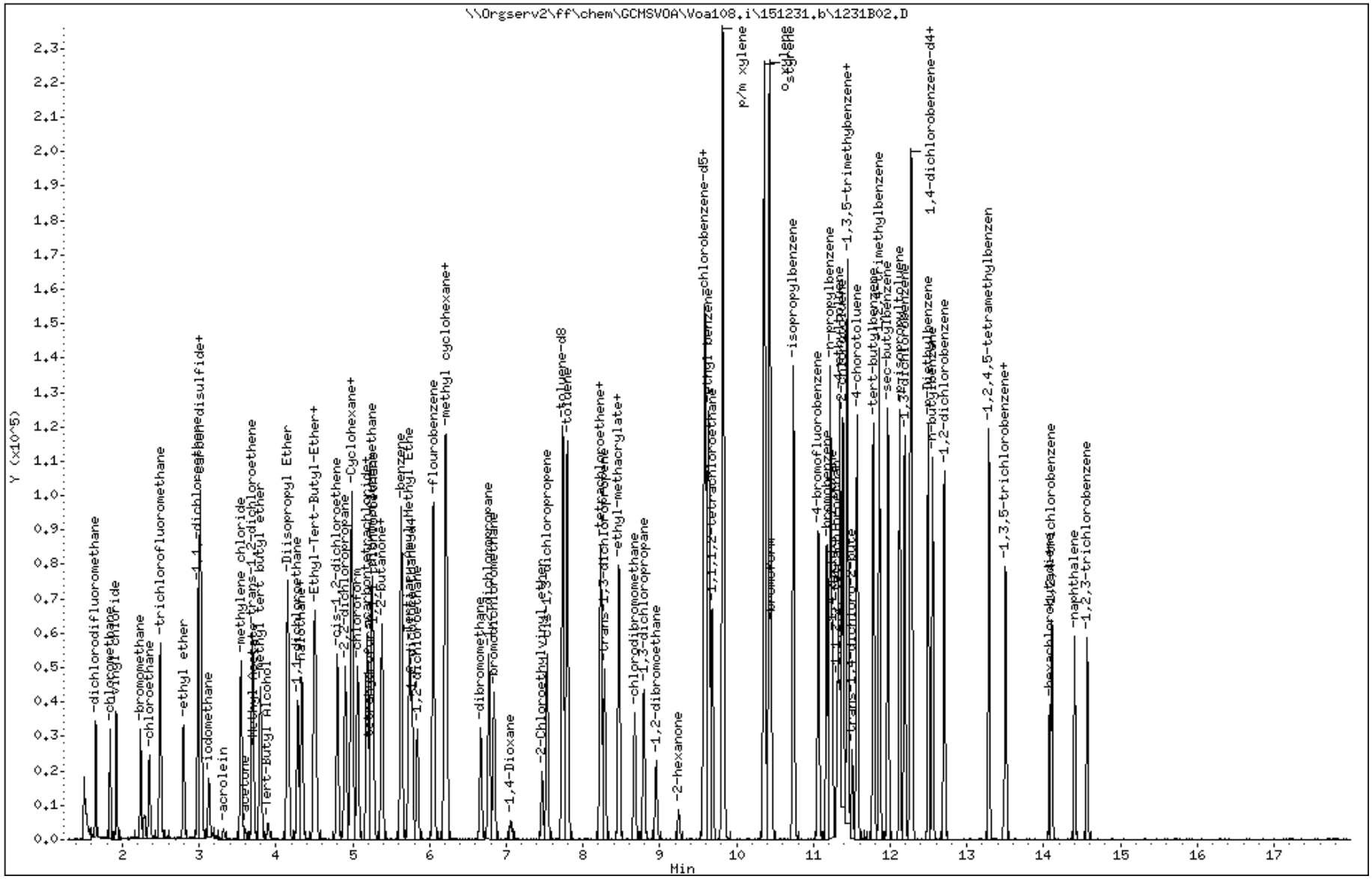
SPIKE	COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
1	dichlorodifluorome	100.000	116.147	116.15	36-147
2	chloromethane	100.000	130.489	130.49*	64-130
3	vinyl chloride	100.000	102.745	102.75	55-140
4	bromomethane	100.000	96.520	96.52	39-139
5	chloroethane	100.000	78.709	78.71	55-138
6	trichlorofluoromet	100.000	77.462	77.46	62-150
9	1,1,-dichloroethen	100.000	76.864	76.86	61-145
10	carbon disulfide	100.000	69.859	69.86	51-121
11	freon-113	100.000	75.069	75.07	70-130
15	methylene chloride	100.000	109.698	109.70	74-121
16	acetone	100.000	80.323	80.32	58-148
17	trans-1,2-dichloro	100.000	111.849	111.85	75-125
18	Methyl Acetate	100.000	114.636	114.64	70-130
19	methyl tert butyl	100.000	96.602	96.60	63-112
22	1,1-dichloroethane	100.000	113.769	113.77	73-119
26	vinyl acetate	100.000	105.170	105.17	83-124
27	cis-1,2-dichloroet	100.000	106.626	106.63	75-125
29	bromochloromethane	100.000	111.807	111.81	74-123
30	Cyclohexane	100.000	113.116	113.12	70-130
31	chloroform	100.000	105.566	105.57	75-125
33	carbontetrachlorid	100.000	116.176	116.18	63-132
37	1,1,1-trichloroeth	100.000	112.251	112.25	67-123
38	2-butanone	100.000	91.878	91.88	63-138
40	benzene	100.000	106.134	106.13	76-127
43	1,2-dichloroethane	100.000	103.278	103.28	71-125
48	trichloroethene	100.000	105.967	105.97	71-120
47	methyl cyclohexane	100.000	98.183	98.18	70-130
52	1,2-dichloropropan	100.000	108.276	108.28	70-120
53	bromodichlorometha	100.000	103.995	104.00	67-121
57	cis-1,3-dichloropr	100.000	101.940	101.94	75-125
59	toluene	100.000	108.041	108.04	76-125
60	4-methyl-2-pentano	100.000	80.261	80.26	59-126
61	tetrachloroethene	100.000	108.678	108.68	70-130
62	trans-1,3-dichloro	100.000	105.415	105.42	75-125
66	1,1,2-trichloroeth	100.000	109.615	109.62	70-125
67	chlorodibromometha	100.000	109.998	110.00	63-119
70	1,2-dibromoethane	100.000	106.803	106.80	70-119
71	2-hexanone	100.000	86.201	86.20	57-128
73	chlorobenzene	100.000	107.387	107.39	75-130
74	ethyl benzene	100.000	99.343	99.34	79-118

SPIKE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
76 p/m xylene	200.000	194.636	97.32	75-125
77 o xylene	200.000	175.337	87.67	75-125
78 styrene	200.000	185.605	92.80	70-122
79 bromoform	100.000	96.178	96.18	54-136
80 isopropylbenzene	100.000	102.791	102.79	73-122
85 1,1,2,2,-tetrachlo	100.000	110.759	110.76	67-124
97 1,3-dichlorobenzen	100.000	105.235	105.24	75-125
99 1,4-dichlorobenzen	100.000	102.186	102.19	75-125
102 1,2-dichlorobenzen	100.000	107.319	107.32	75-125
104 1,2-dibromo-3-chlo	100.000	97.990	97.99	41-144
107 1,2,4-trichloroben	100.000	90.141	90.14	75-125
109 1,2,3-trichloroben	100.000	97.226	97.23	75-125

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 36 dibromofluorometha	100.000	105.362	105.36	70-130
$ 42 1,2-dichloroethane	100.000	92.133	92.13	70-130
$ 58 toluene-d8	100.000	102.805	102.81	70-130
$ 81 4-bromofluorobenze	100.000	100.413	100.41	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D
Date : 31-DEC-2015 10:09
Client ID:
Sample Info: wg853951-9,31,10
Purge Volume: 10.0
Column phase:

Instrument: Voa108.i
Operator: PD
Column diameter: 0.18



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Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

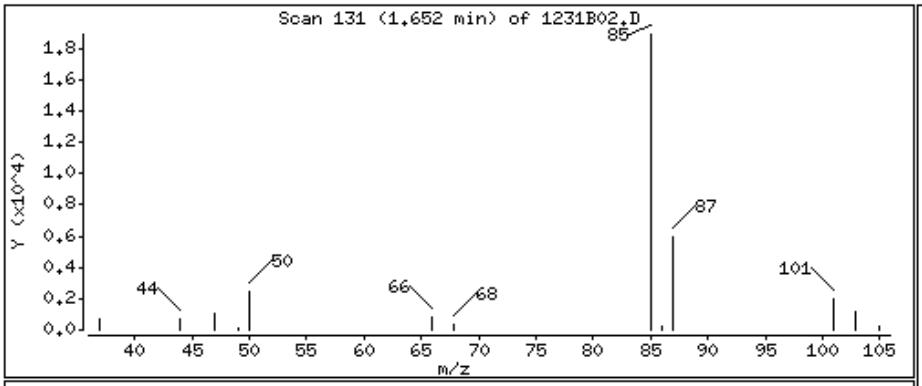
Operator: PD

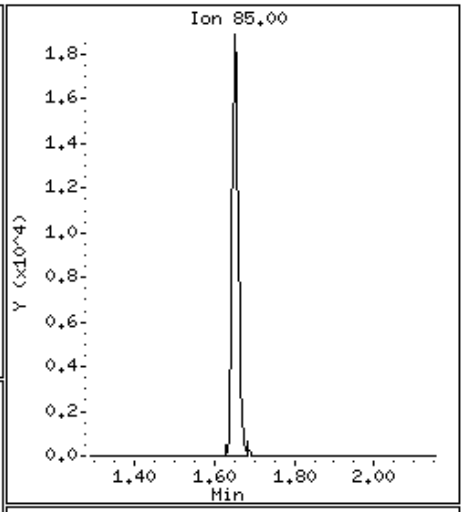
Column phase:

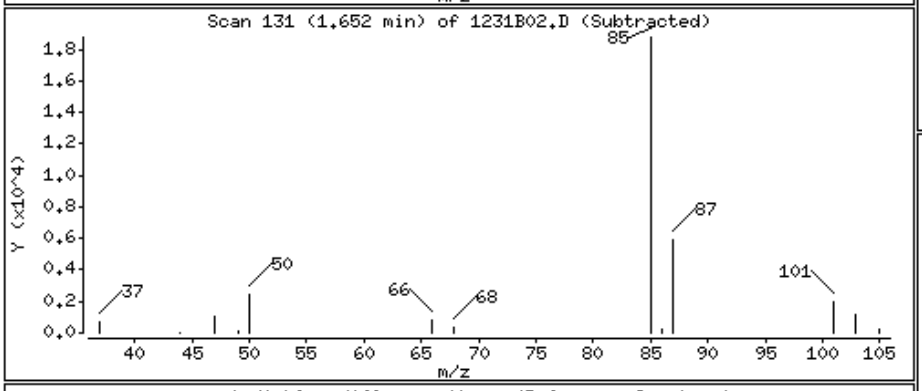
Column diameter: 0.18

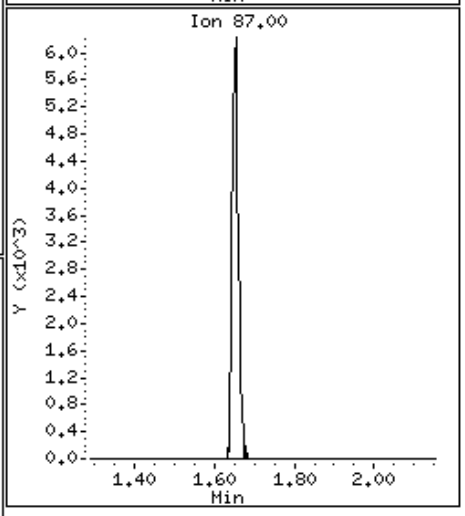
1 dichlorodifluoromethane

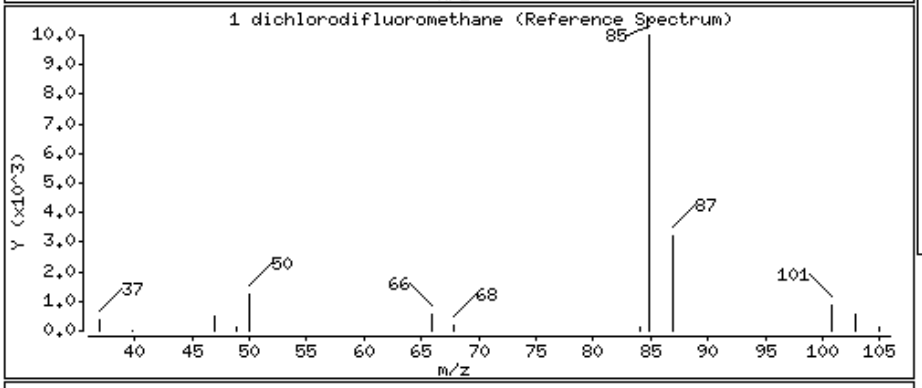
Concentration: 11.614 ngs

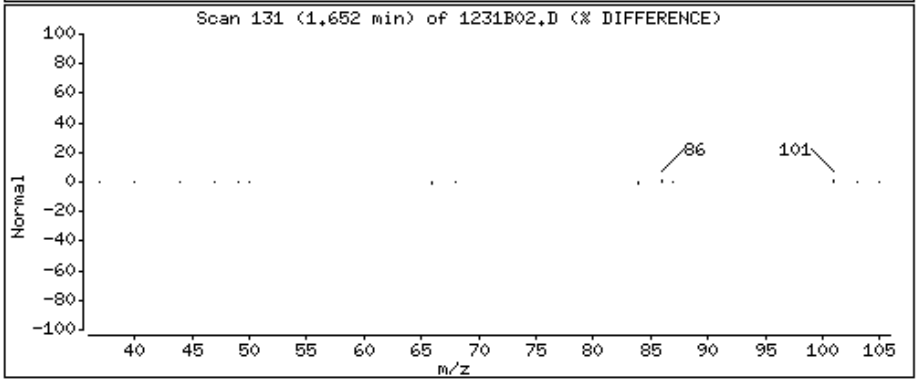












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

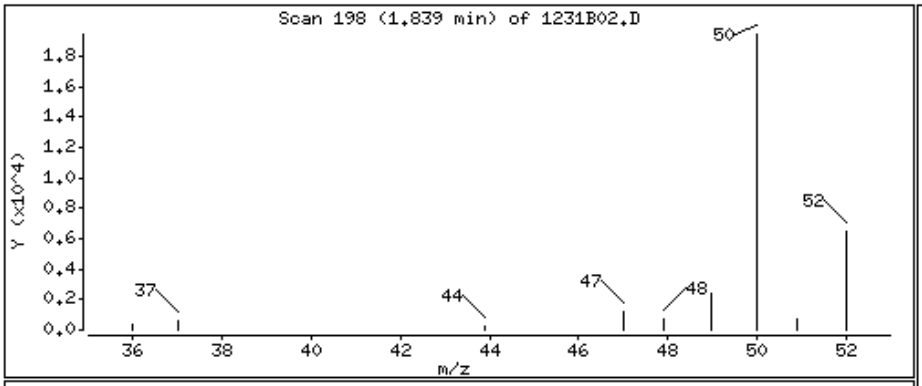
Operator: PD

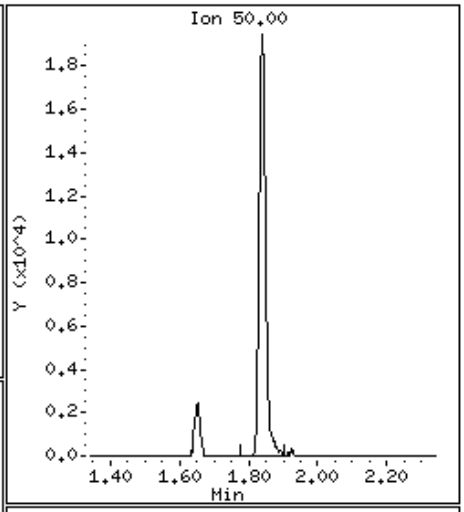
Column phase:

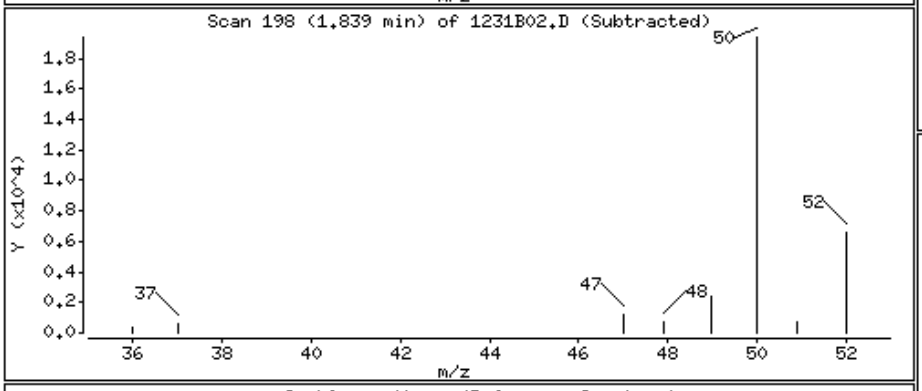
Column diameter: 0.18

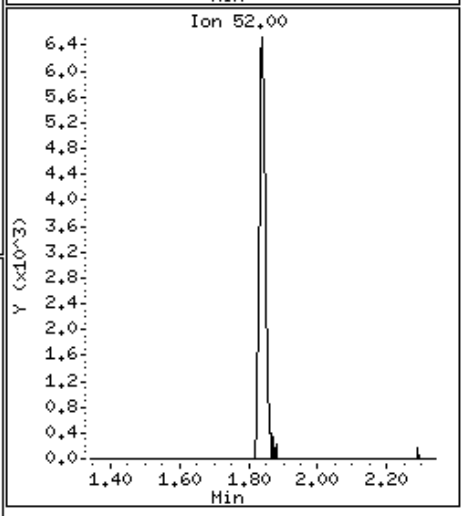
2 chloromethane

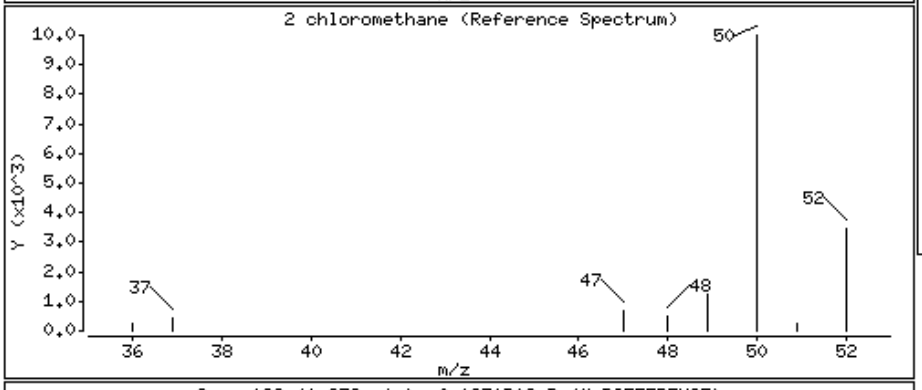
Concentration: 13.048 ngs

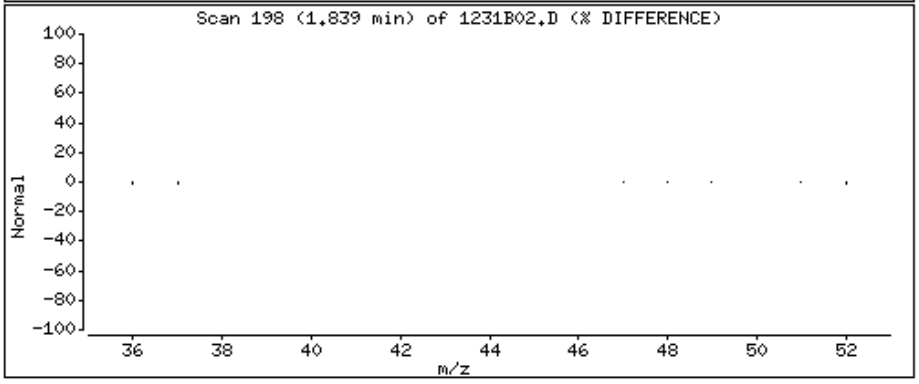












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

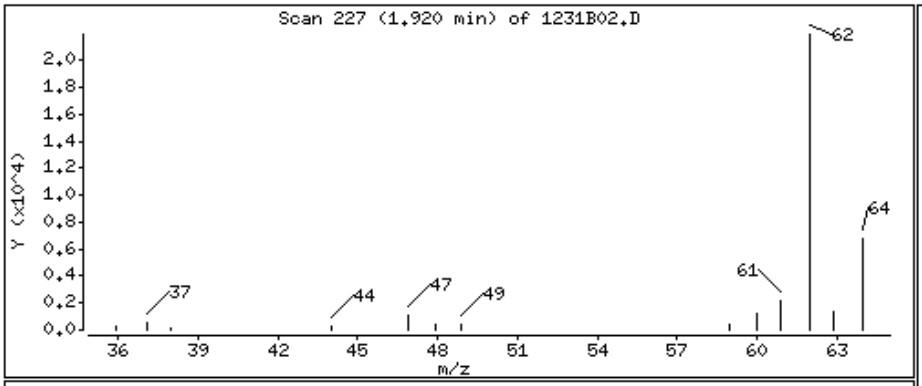
Operator: PD

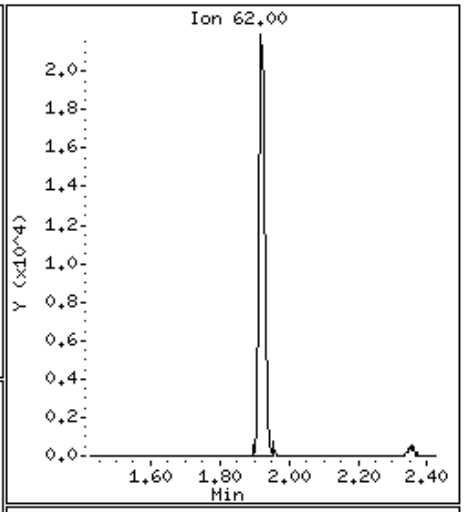
Column phase:

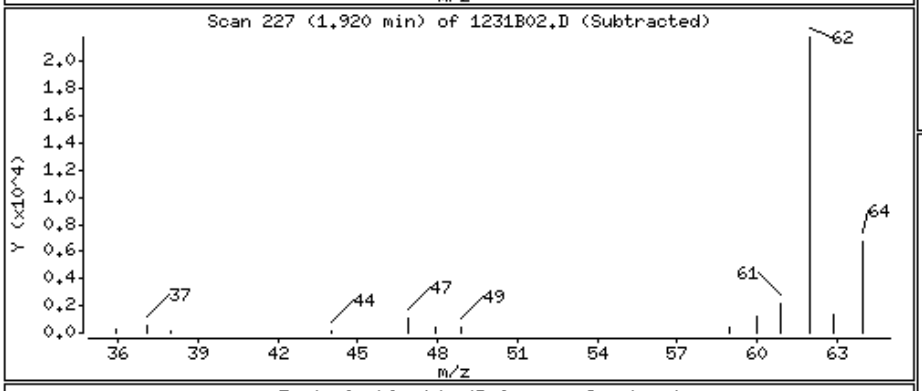
Column diameter: 0.18

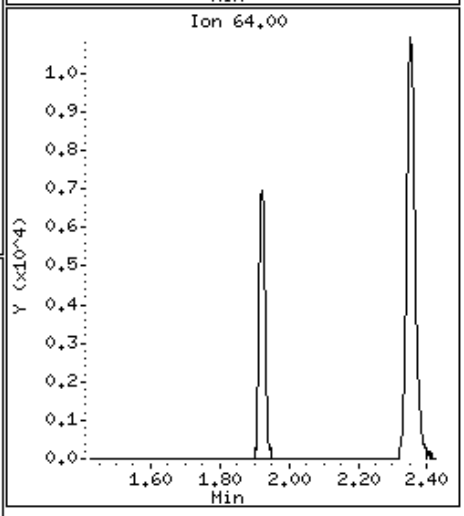
3 vinyl chloride

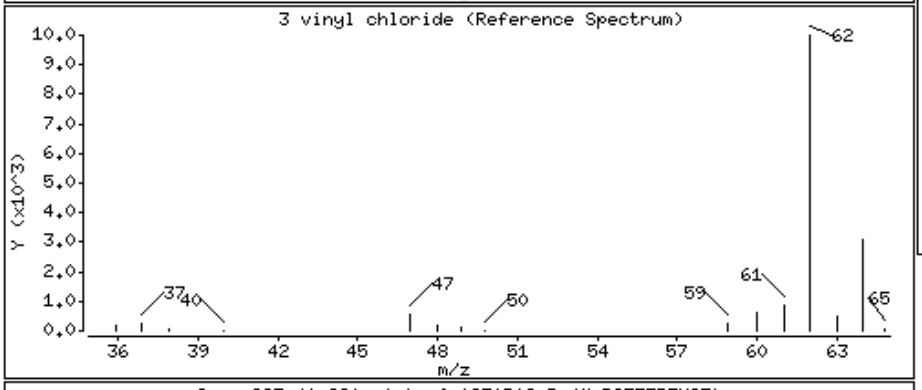
Concentration: 10.274 ngs

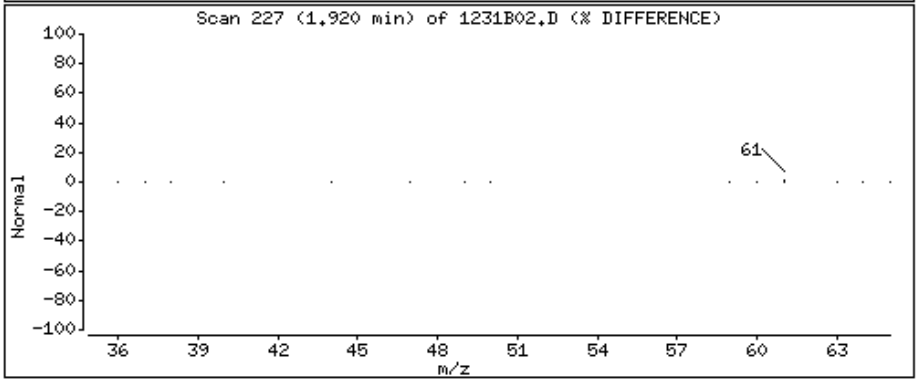












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

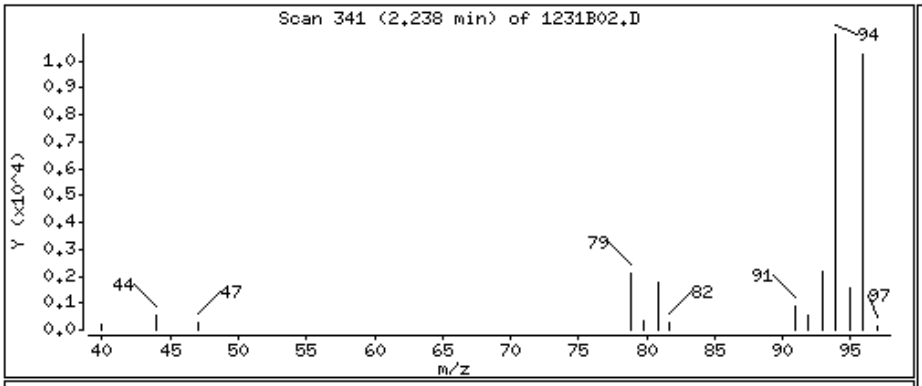
Operator: PD

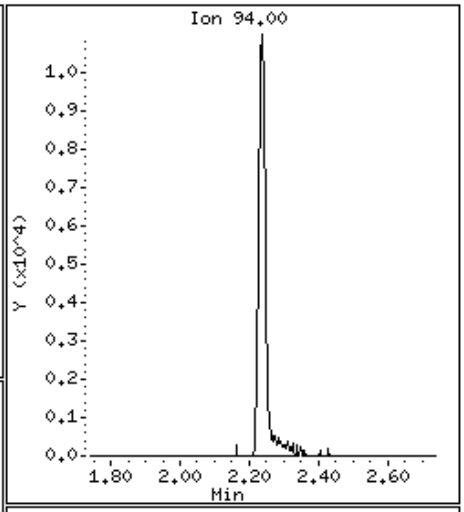
Column phase:

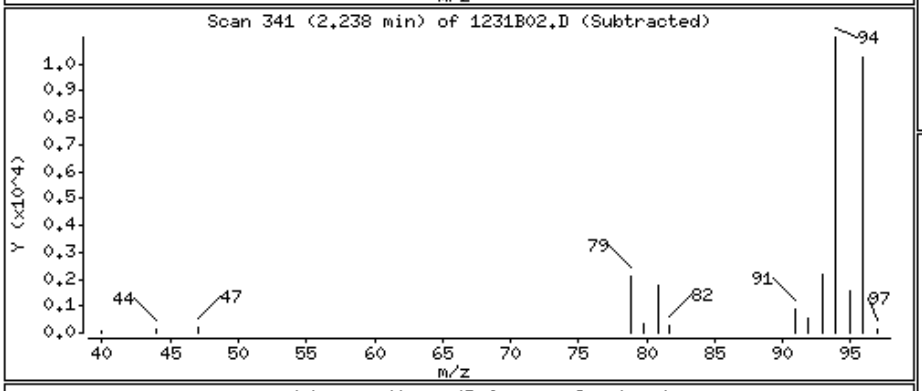
Column diameter: 0.18

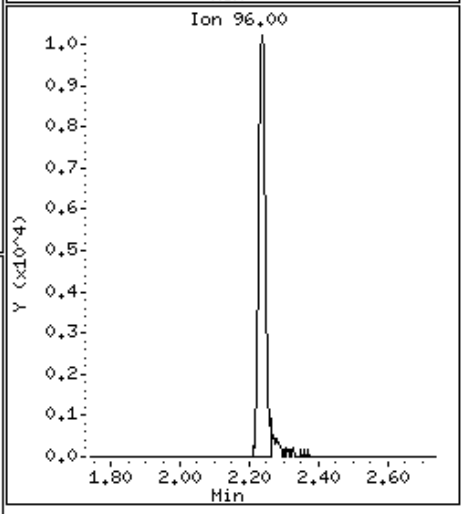
4 bromomethane

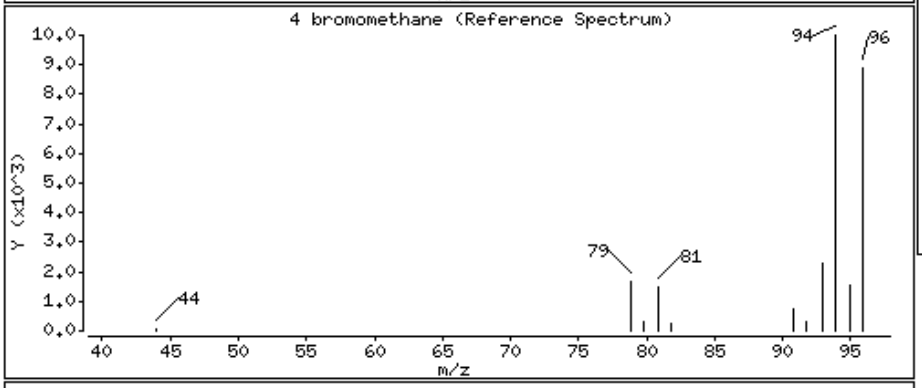
Concentration: 9.652 ngs

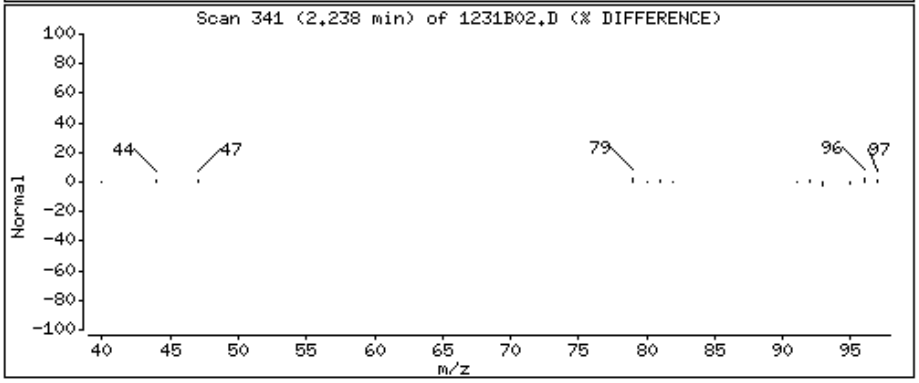












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

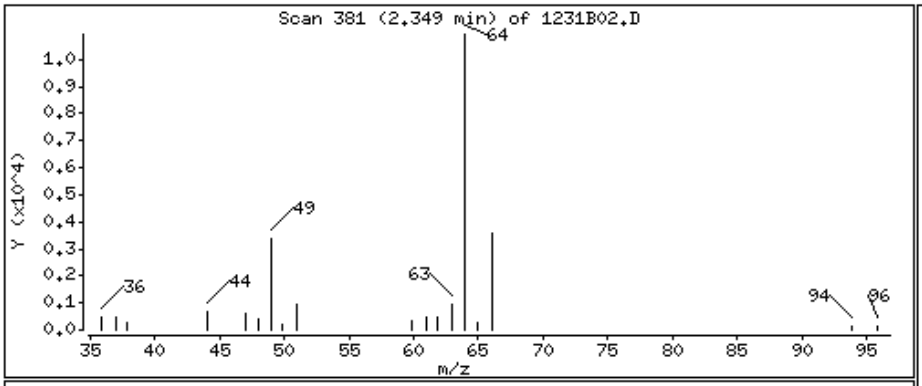
Operator: PD

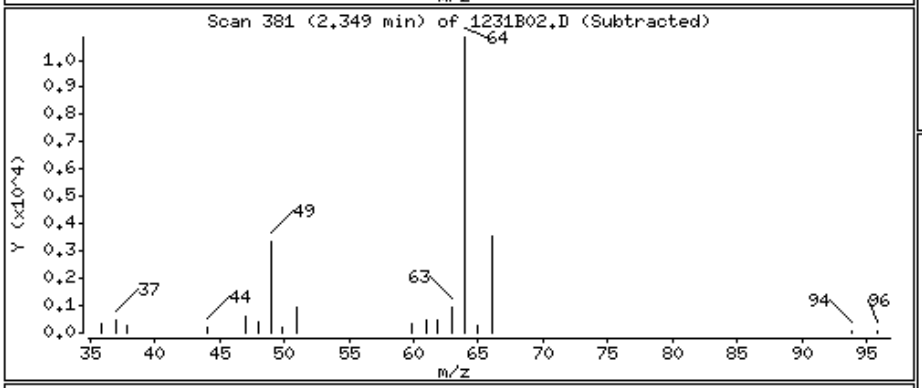
Column phase:

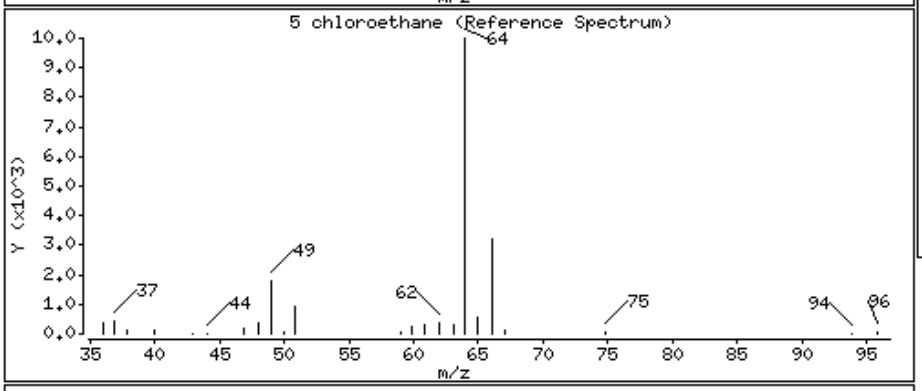
Column diameter: 0.18

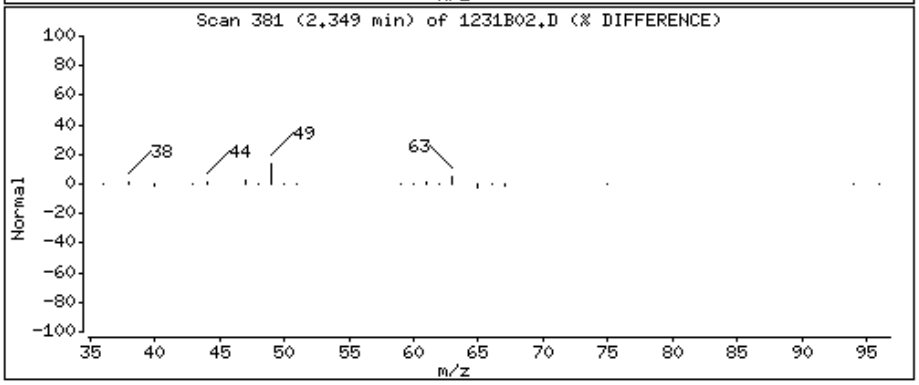
5 chloroethane

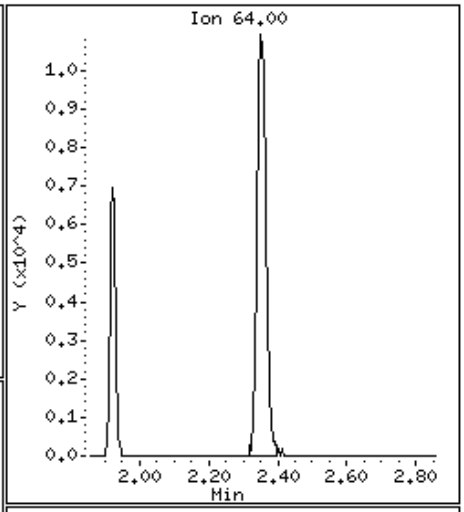
Concentration: 7.870 ngs

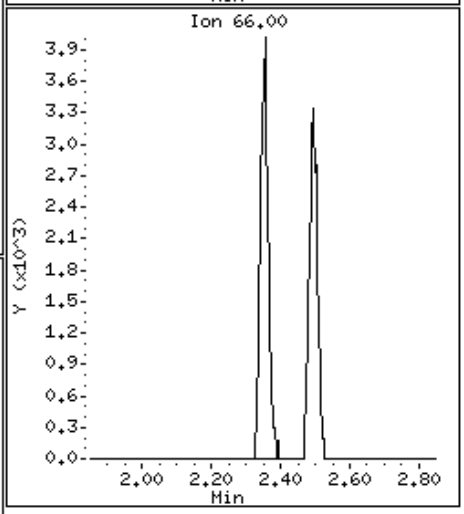












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Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

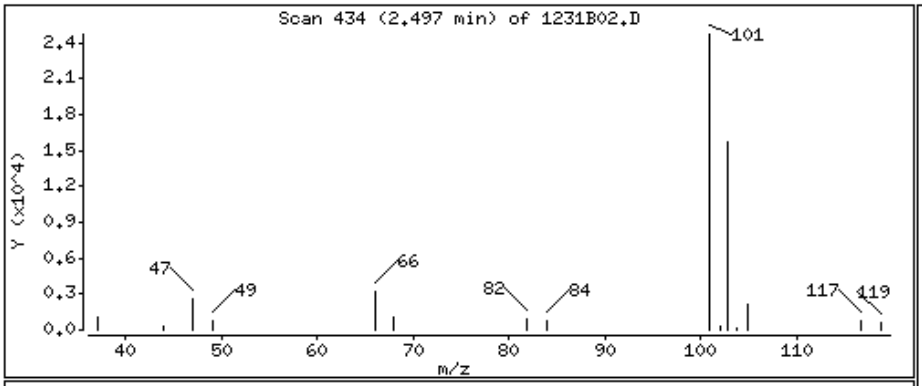
Operator: PD

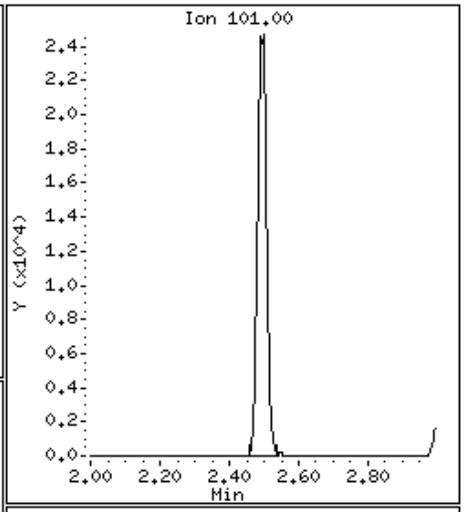
Column phase:

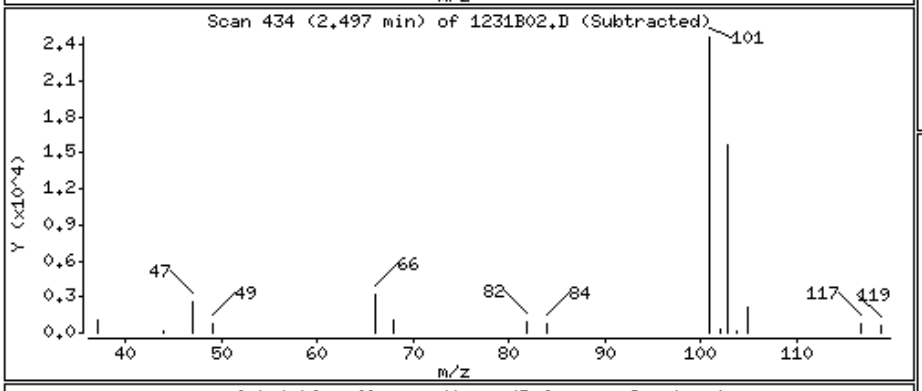
Column diameter: 0.18

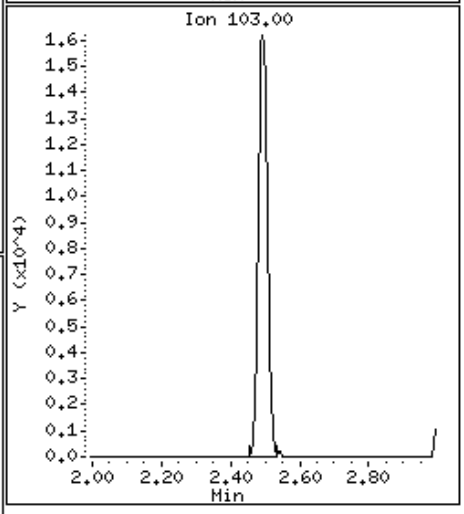
6 trichlorofluoromethane

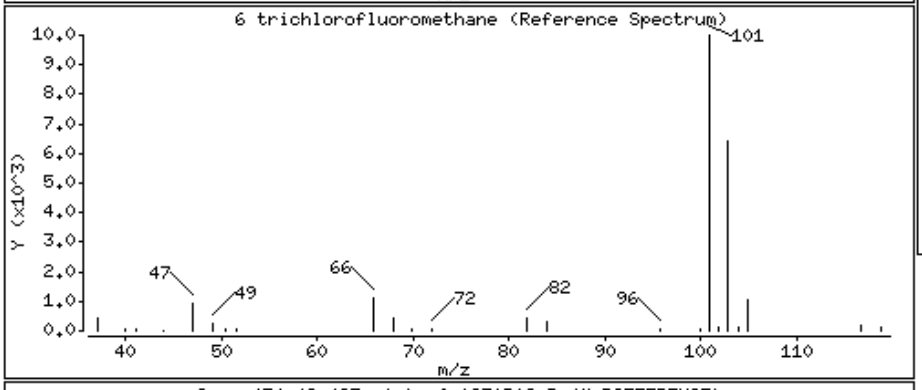
Concentration: 7.746 ngs

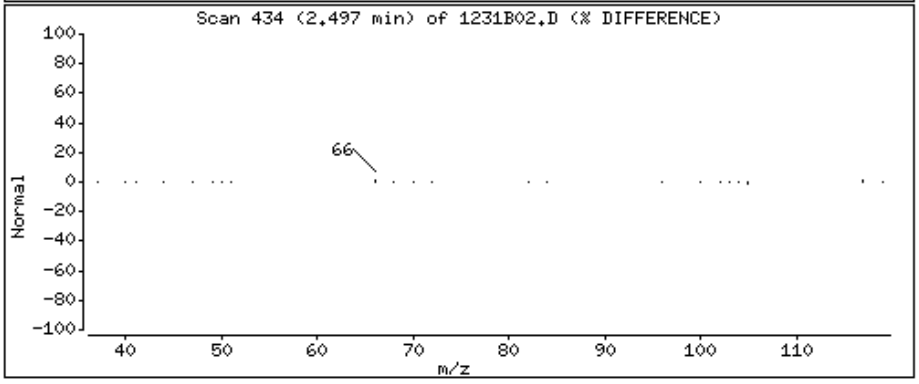












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

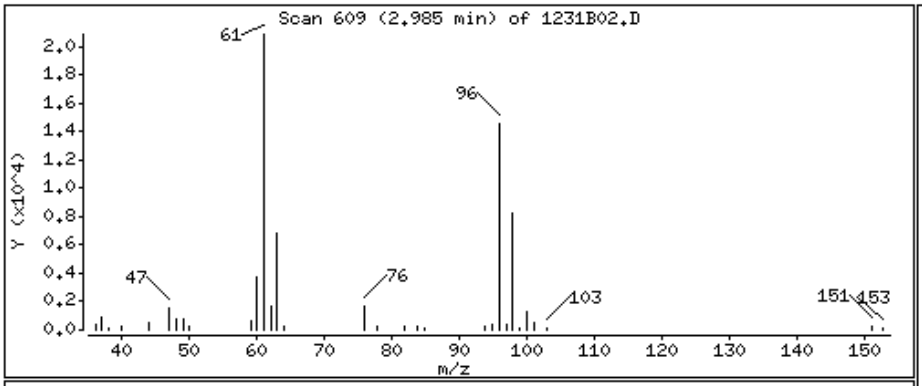
Operator: PD

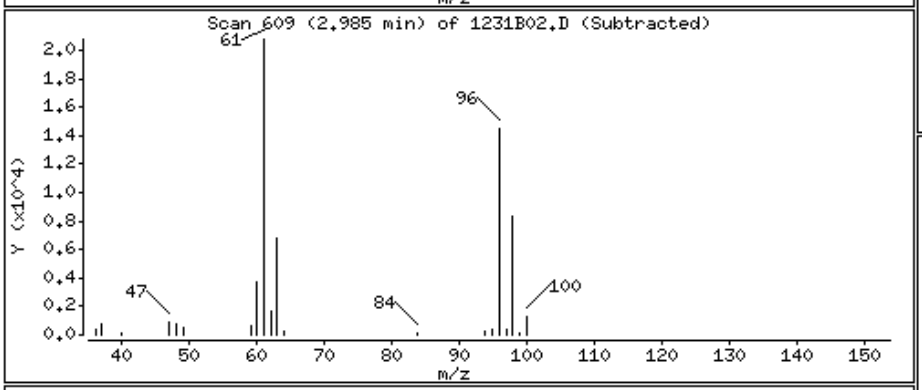
Column phase:

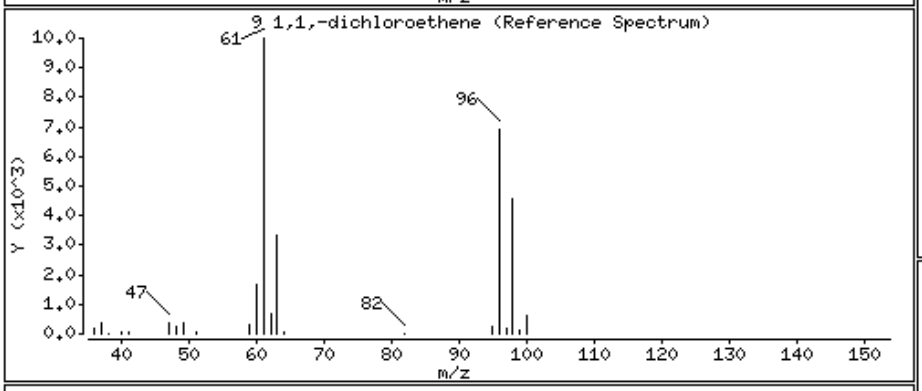
Column diameter: 0.18

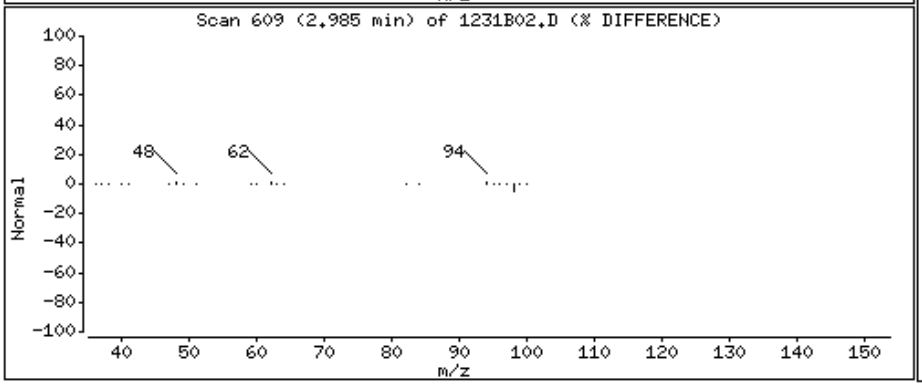
9 1,1,-dichloroethene

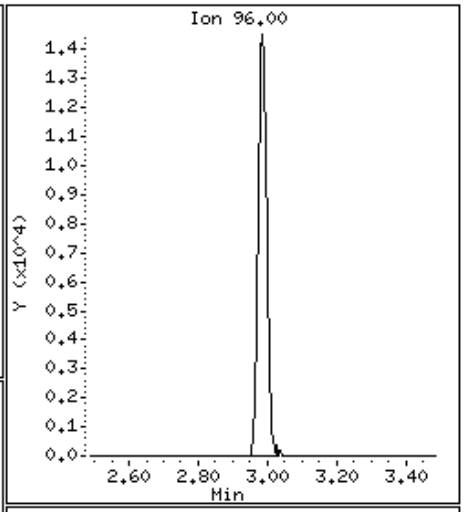
Concentration: 7.686 ngs

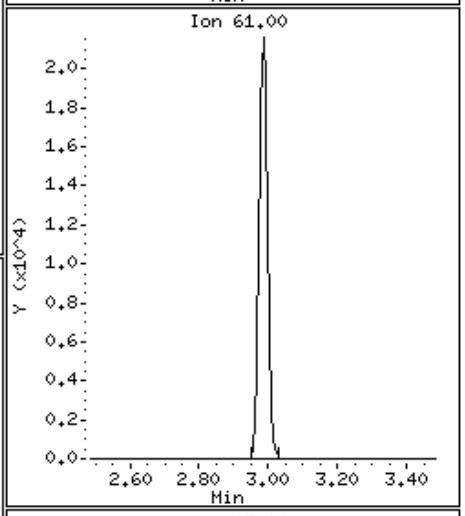


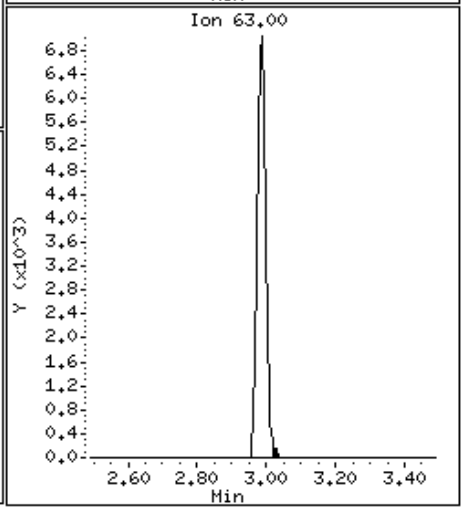












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

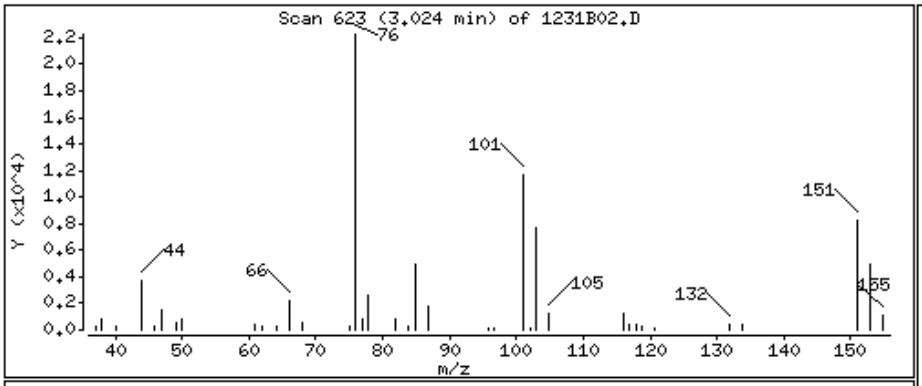
Operator: PD

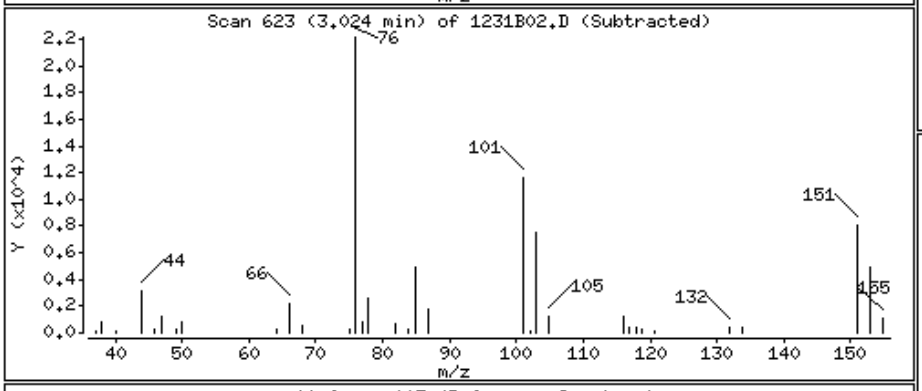
Column phase:

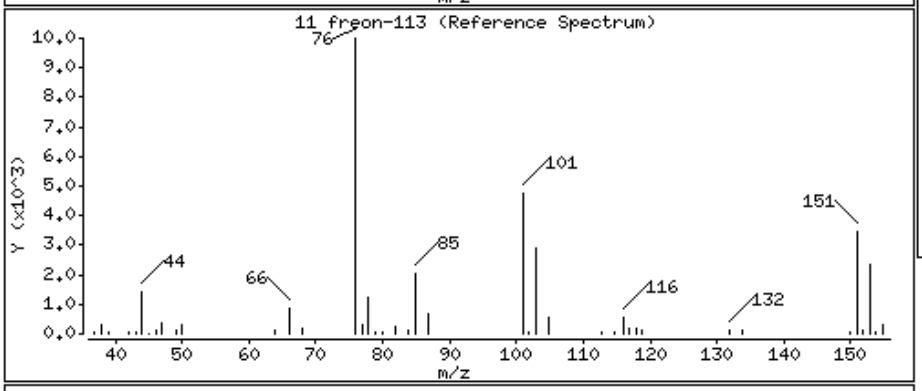
Column diameter: 0.18

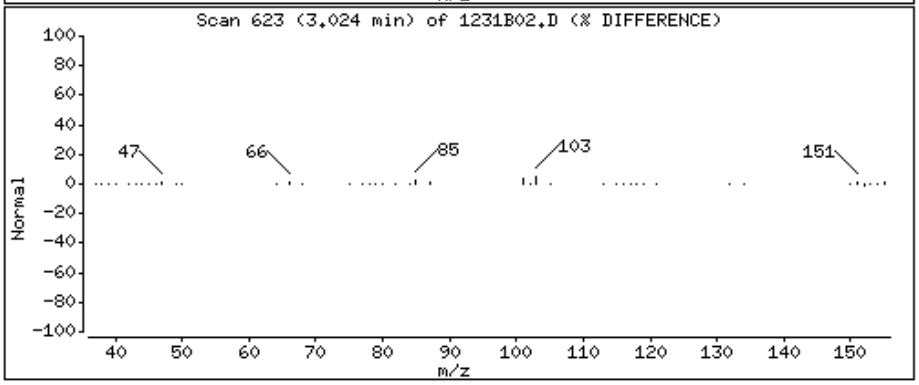
11 freon-113

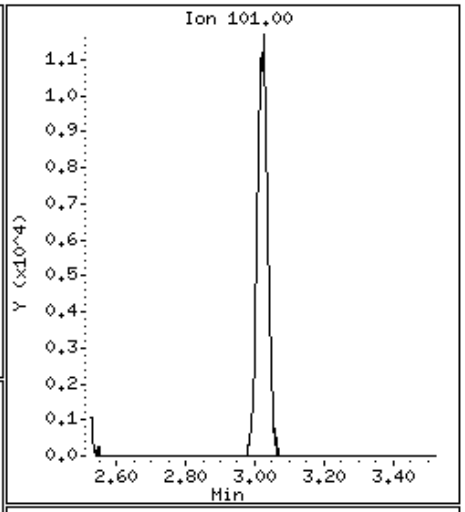
Concentration: 7.506 ngs

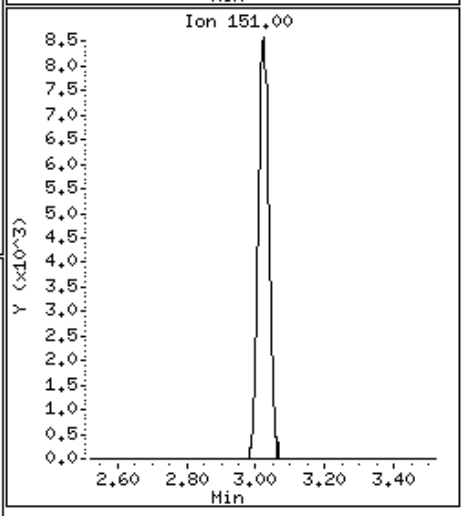












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

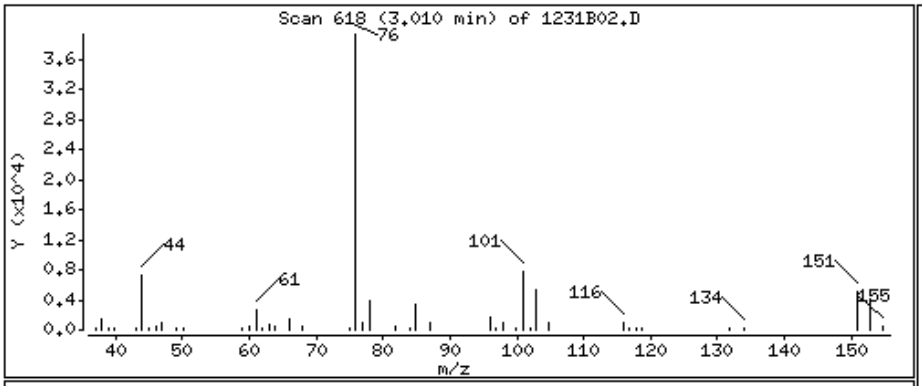
Operator: PD

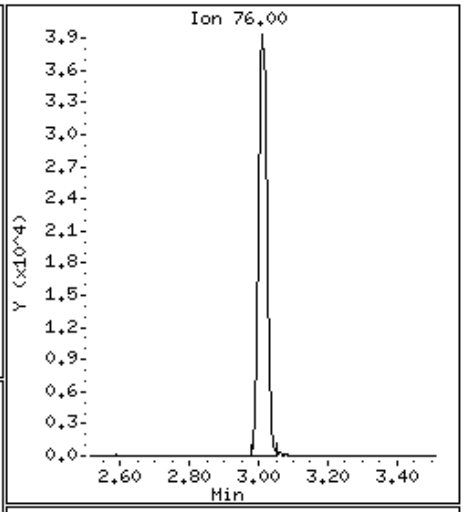
Column phase:

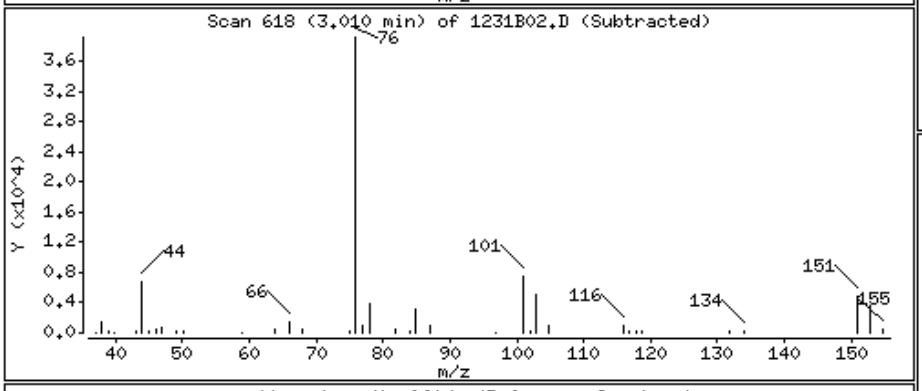
Column diameter: 0.18

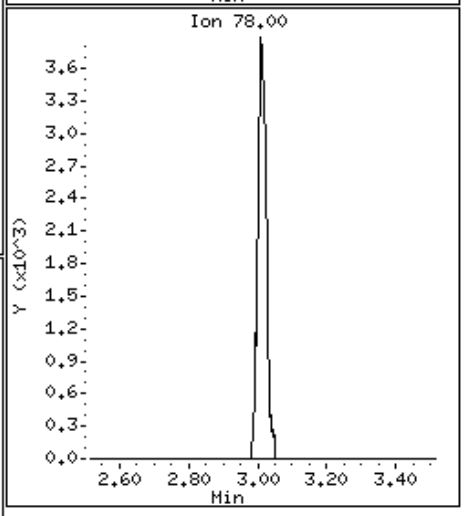
10 carbon disulfide

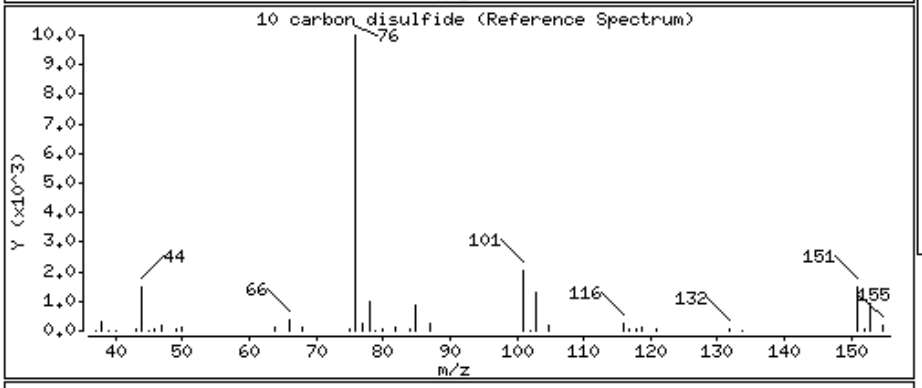
Concentration: 6.985 ngs

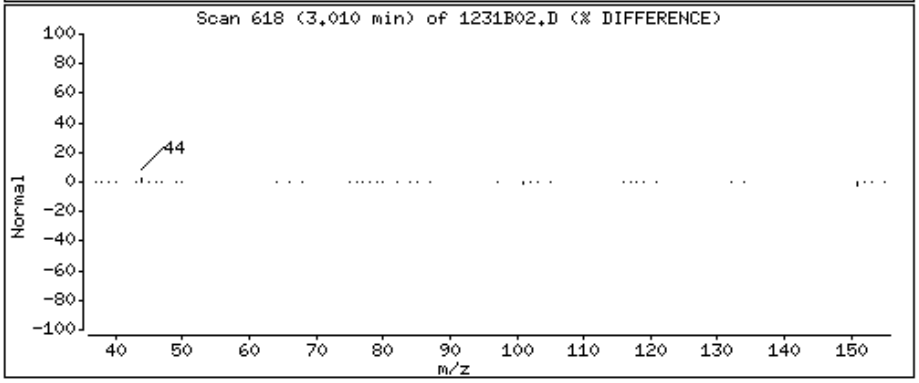












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

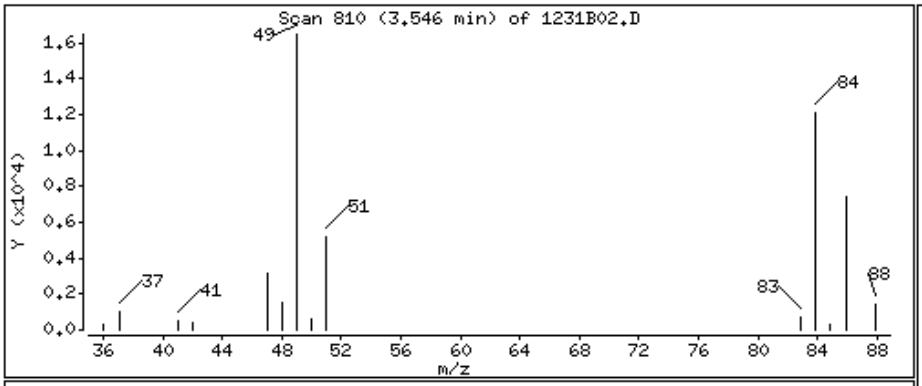
Operator: PD

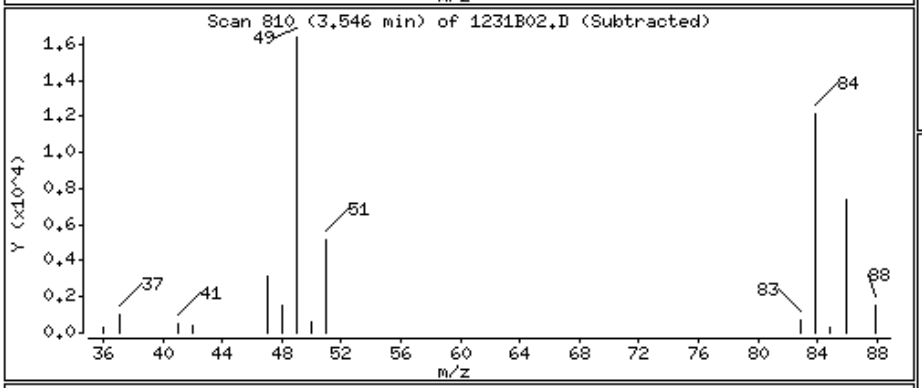
Column phase:

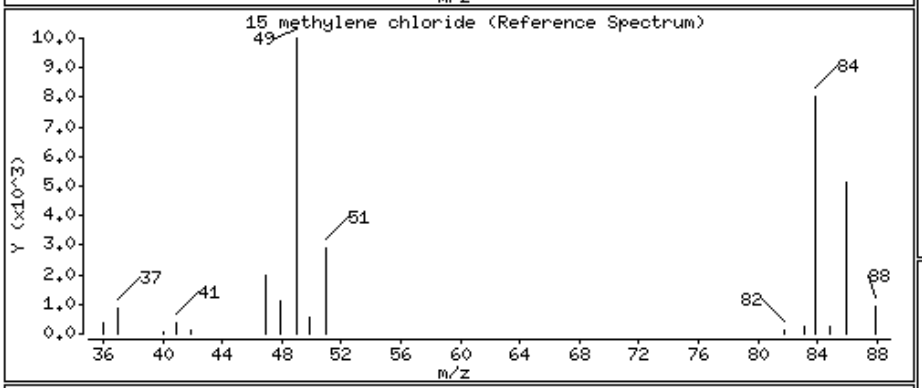
Column diameter: 0.18

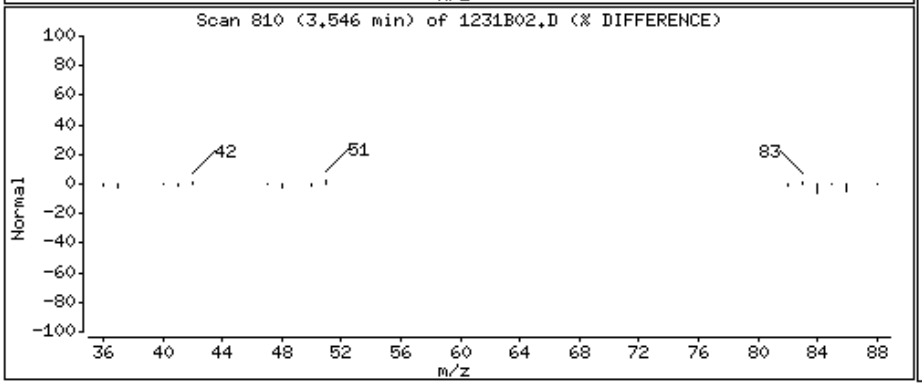
15 methylene chloride

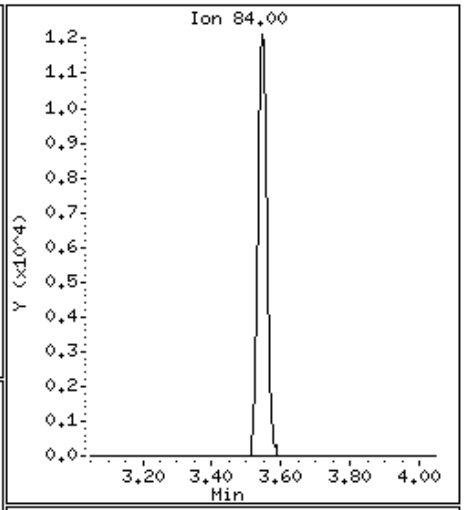
Concentration: 10.969 ngs

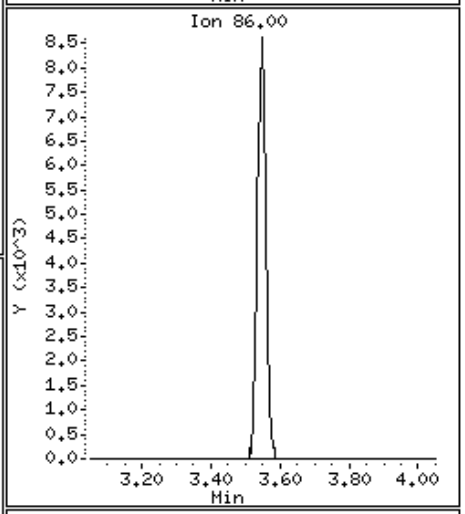


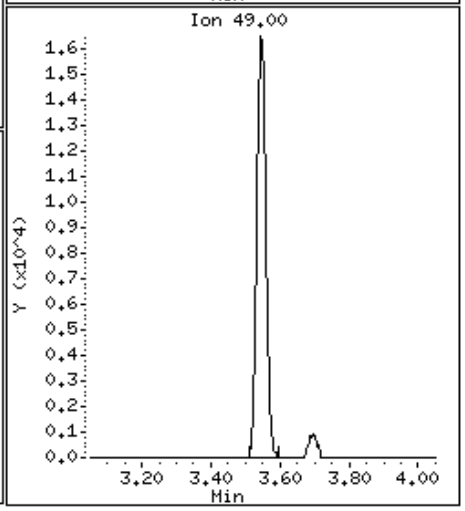












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

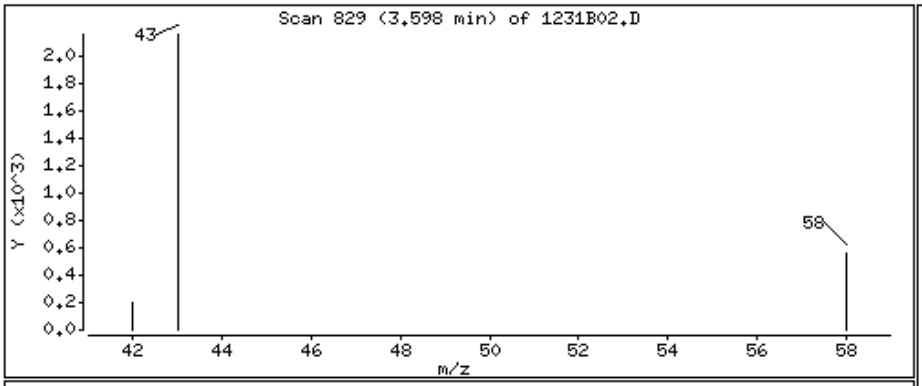
Operator: PD

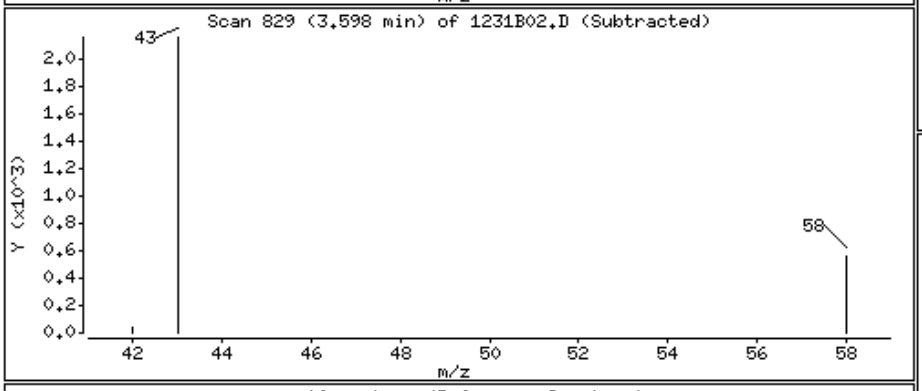
Column phase:

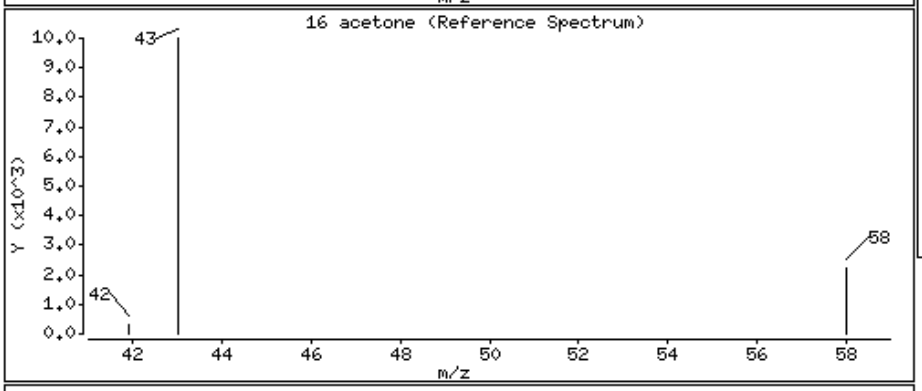
Column diameter: 0.18

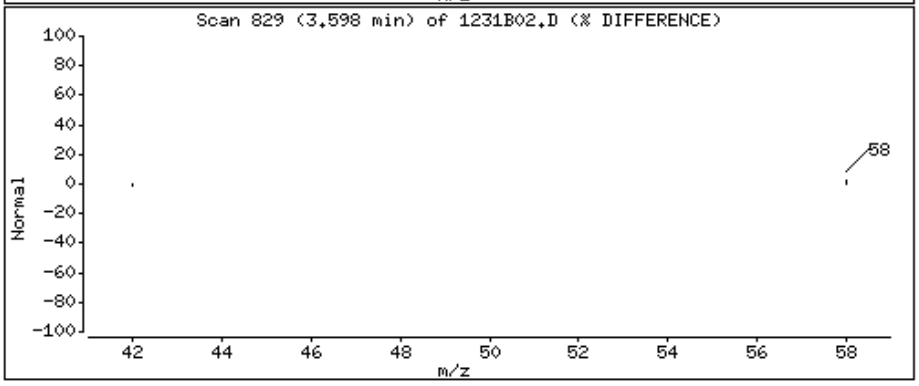
16 acetone

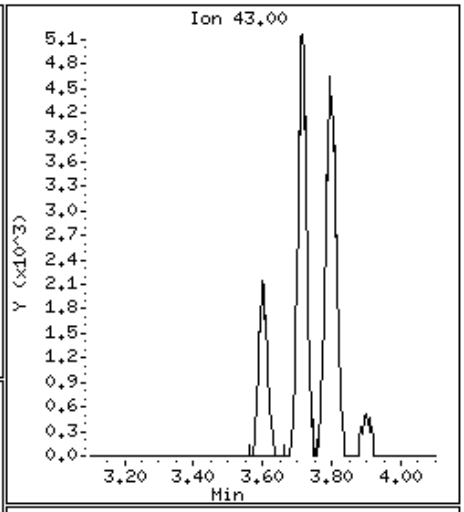
Concentration: 8.032 ngs

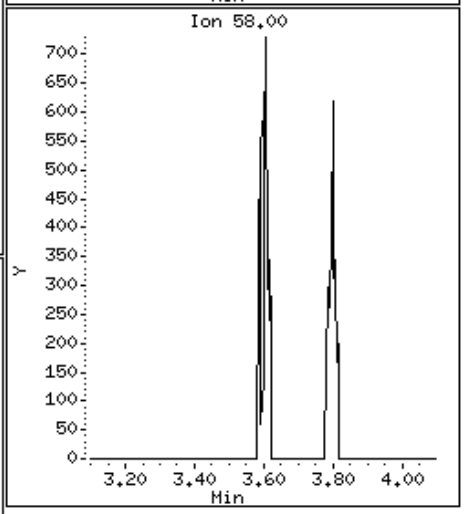












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

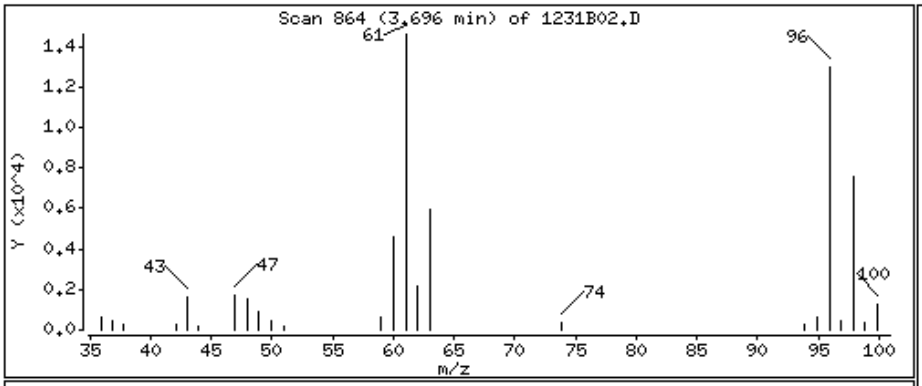
Operator: PD

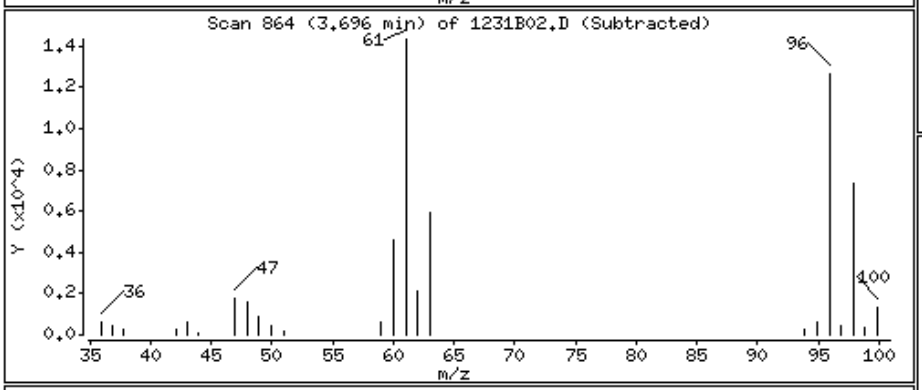
Column phase:

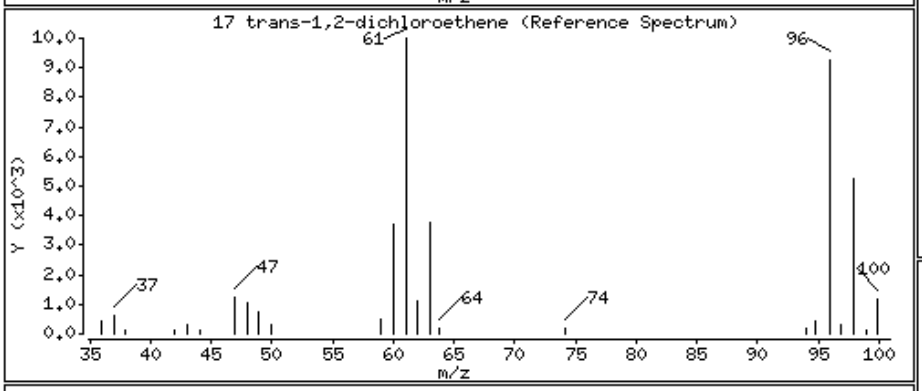
Column diameter: 0.18

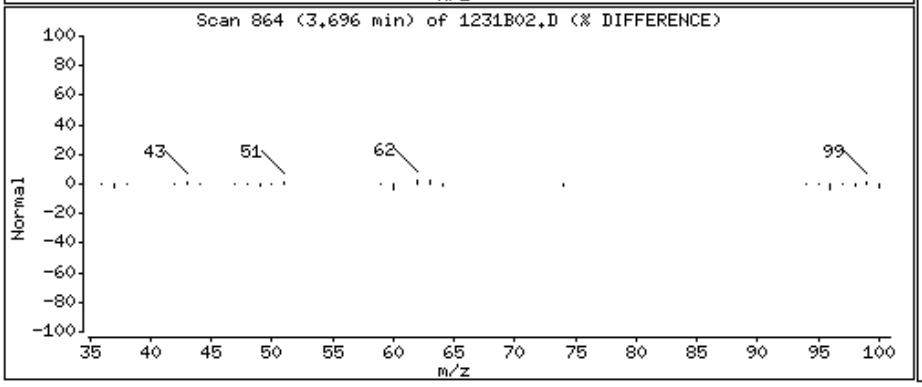
17 trans-1,2-dichloroethene

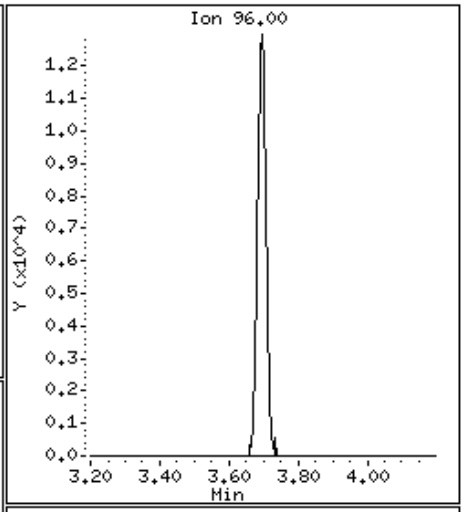
Concentration: 11.184 ngs

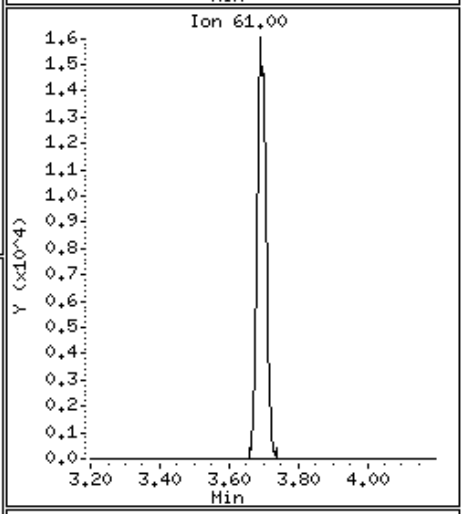


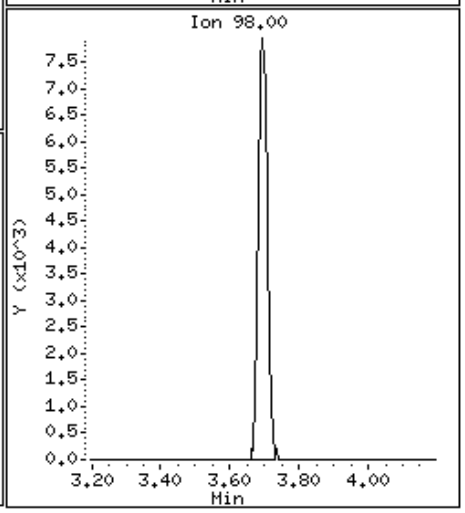












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

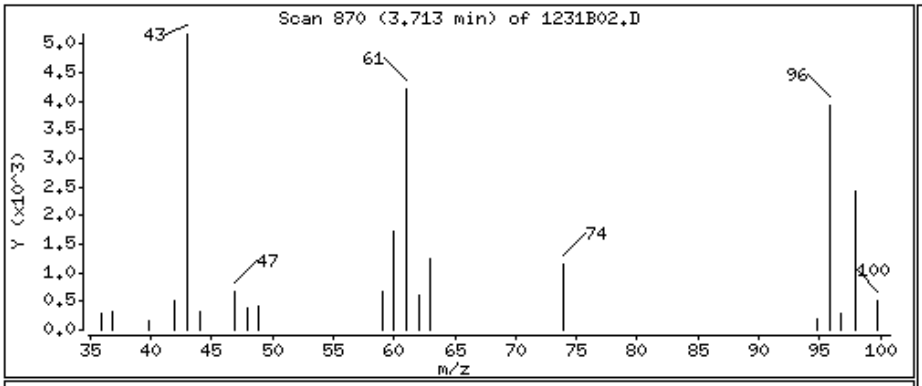
Operator: PD

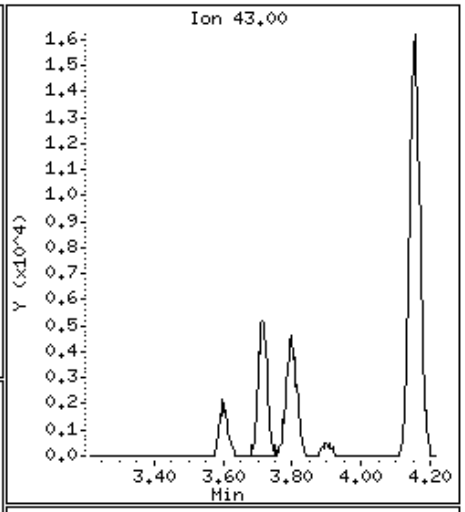
Column phase:

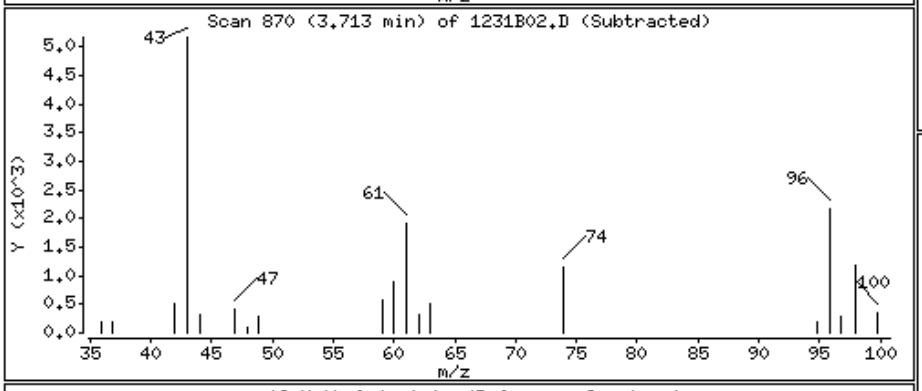
Column diameter: 0.18

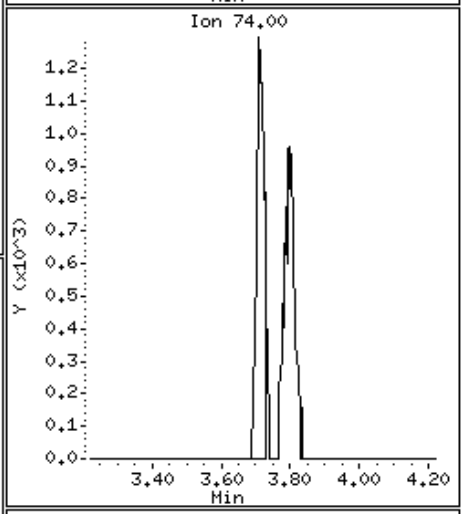
18 Methyl Acetate

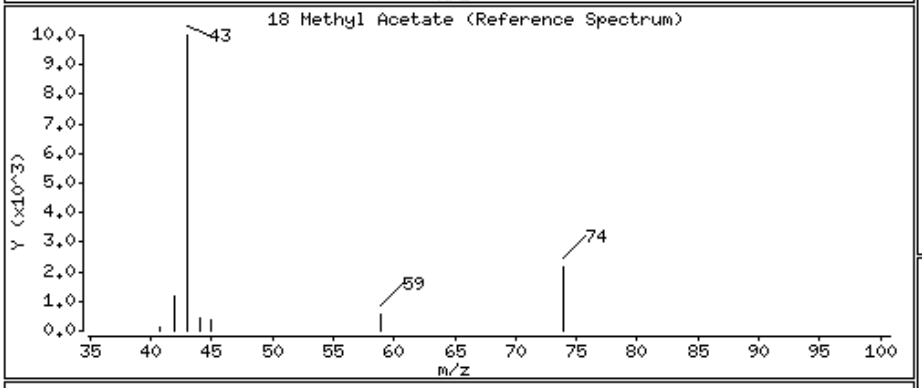
Concentration: 11.463 ngs

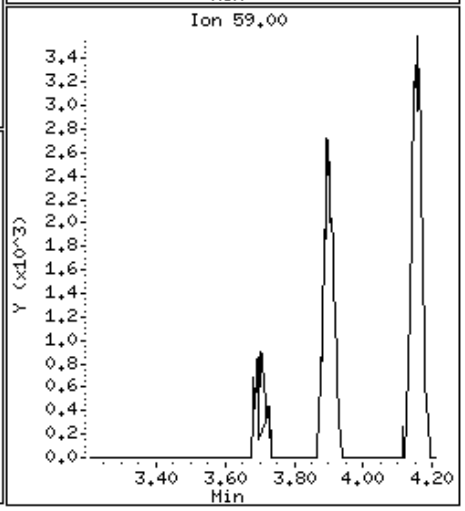


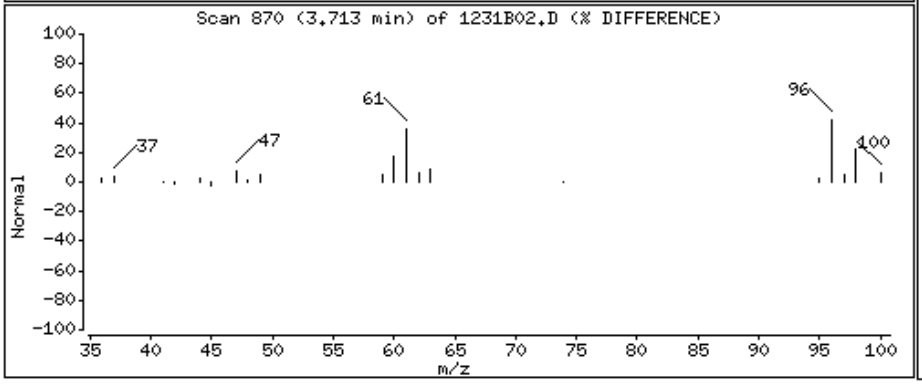












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

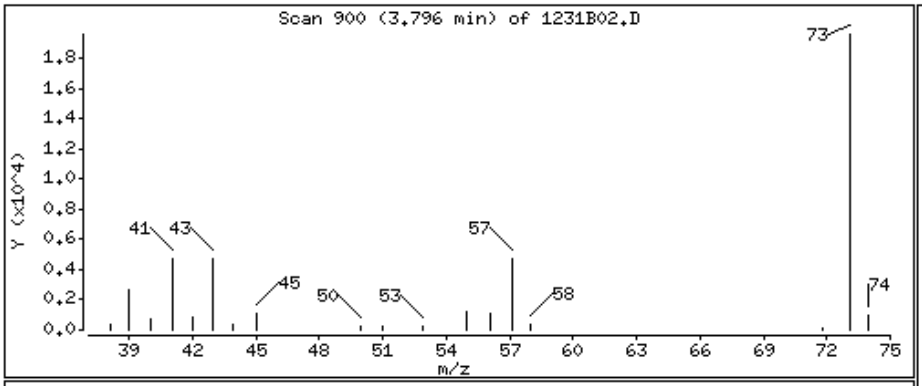
Operator: PD

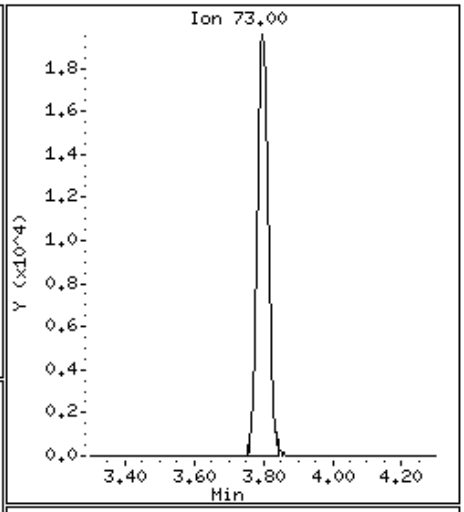
Column phase:

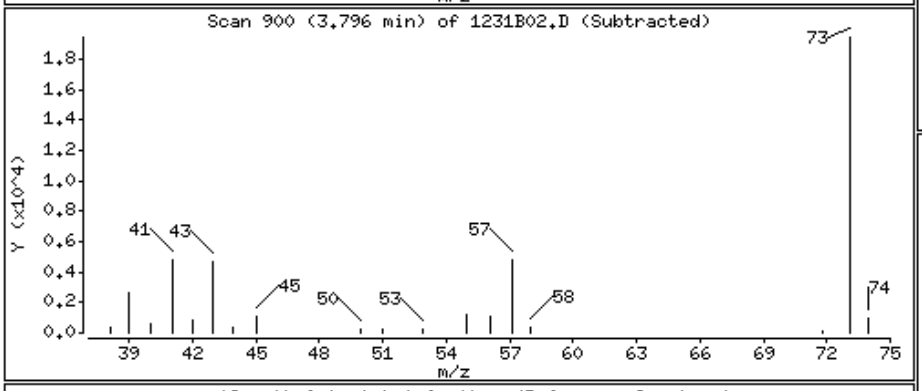
Column diameter: 0.18

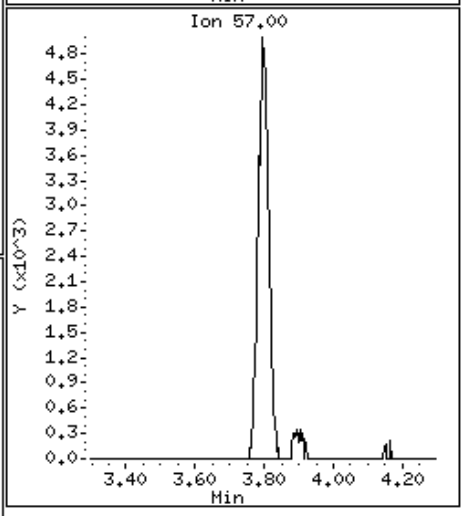
19 methyl tert butyl ether

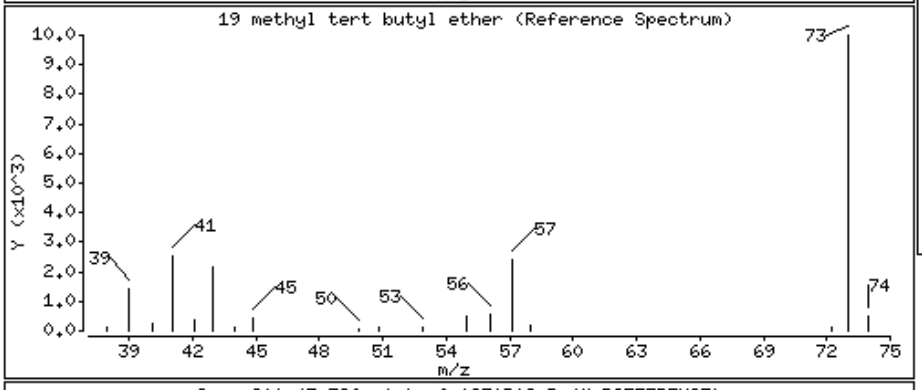
Concentration: 9.660 ngs

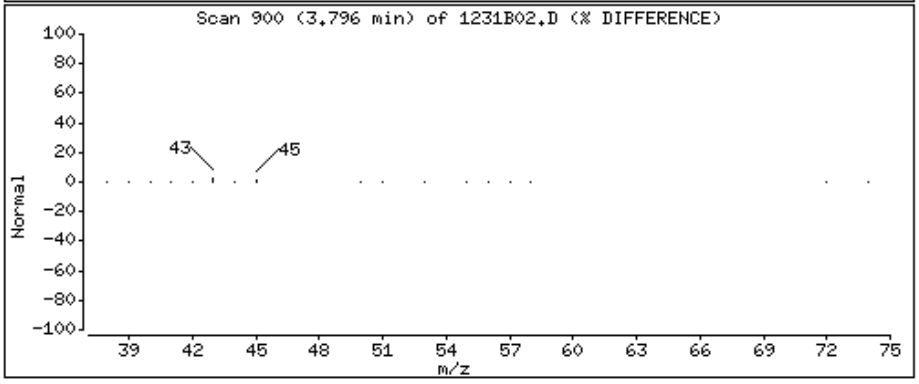












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

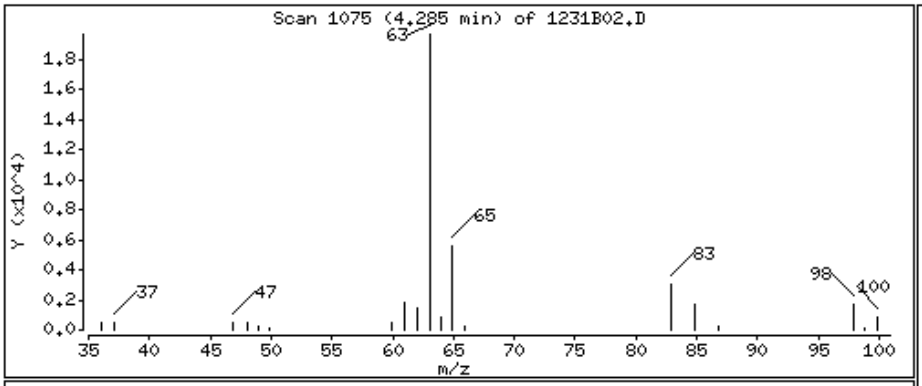
Operator: PD

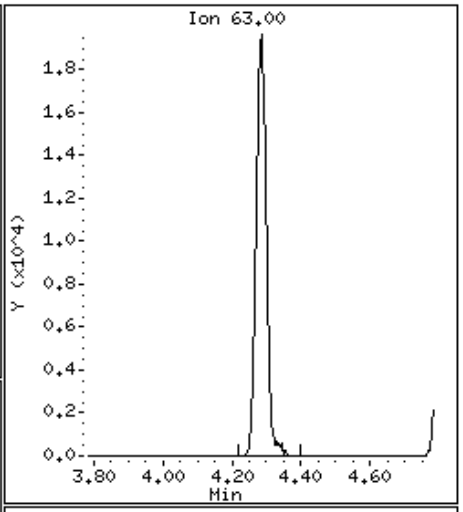
Column phase:

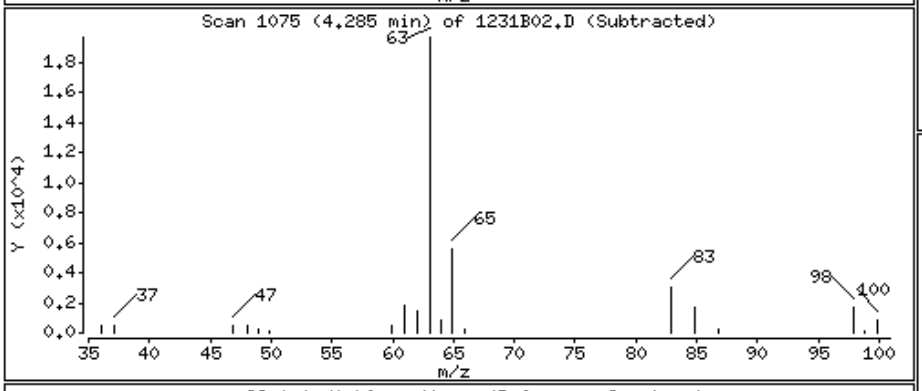
Column diameter: 0.18

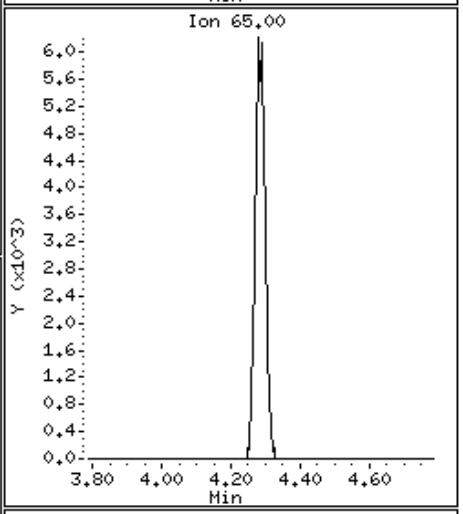
22 1,1-dichloroethane

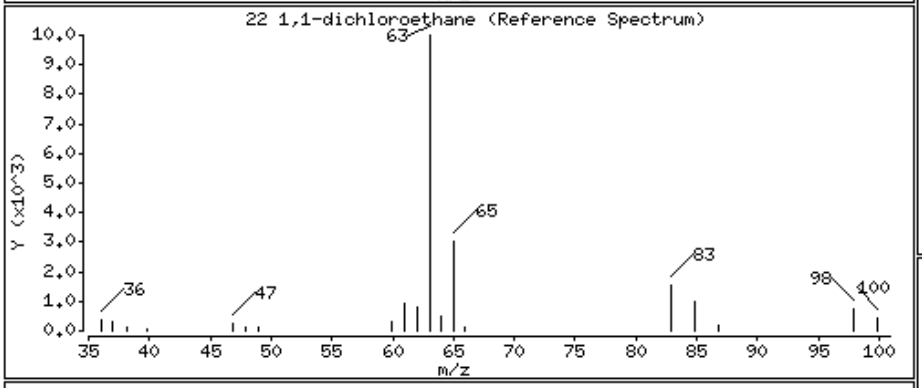
Concentration: 11.376 ngs

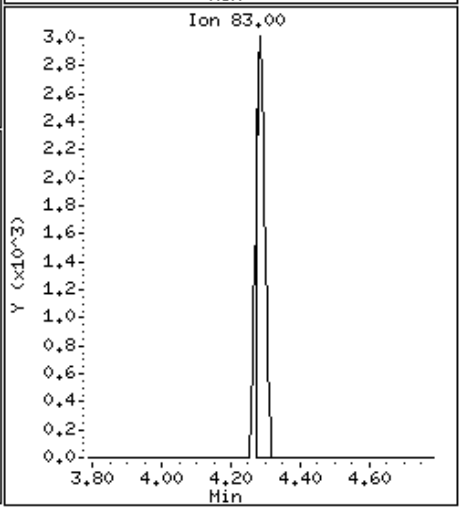


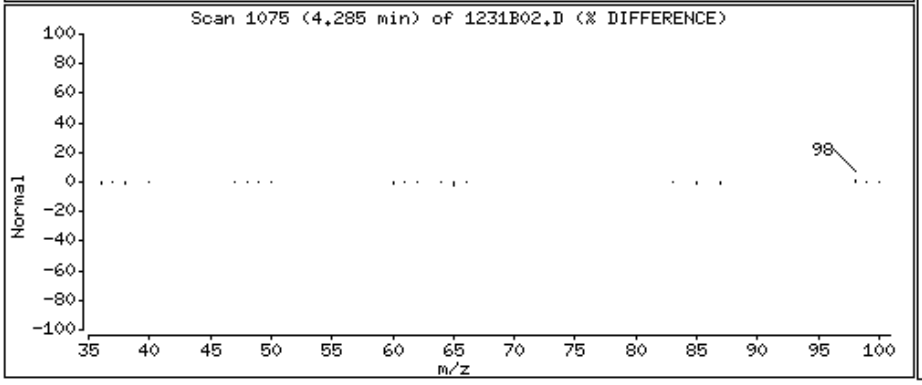












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

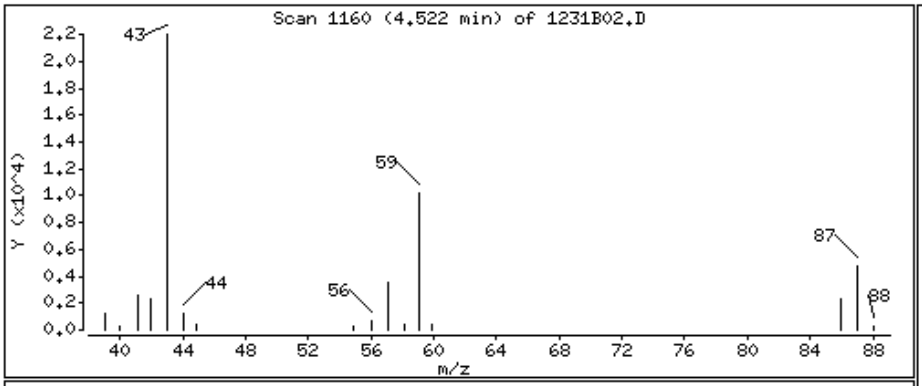
Operator: PD

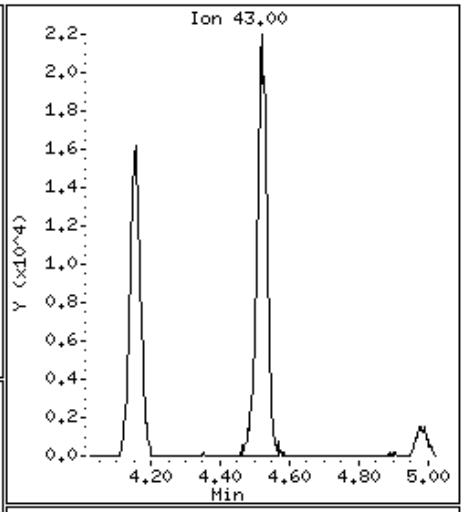
Column phase:

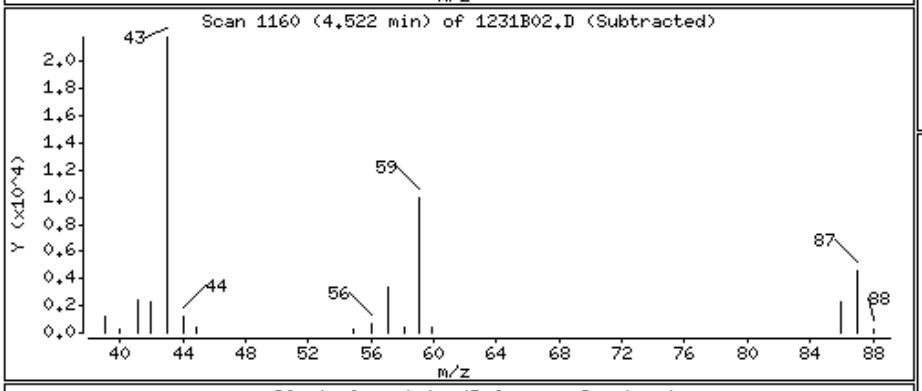
Column diameter: 0.18

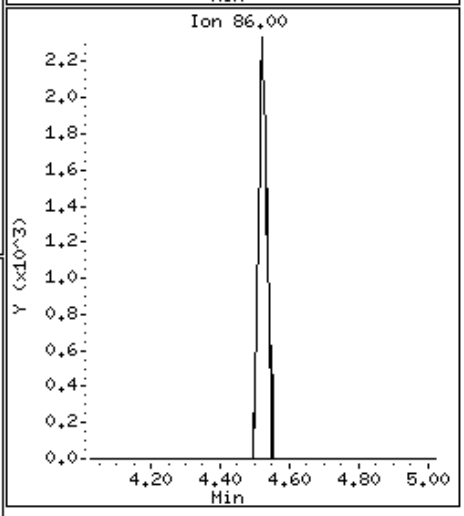
26 vinyl acetate

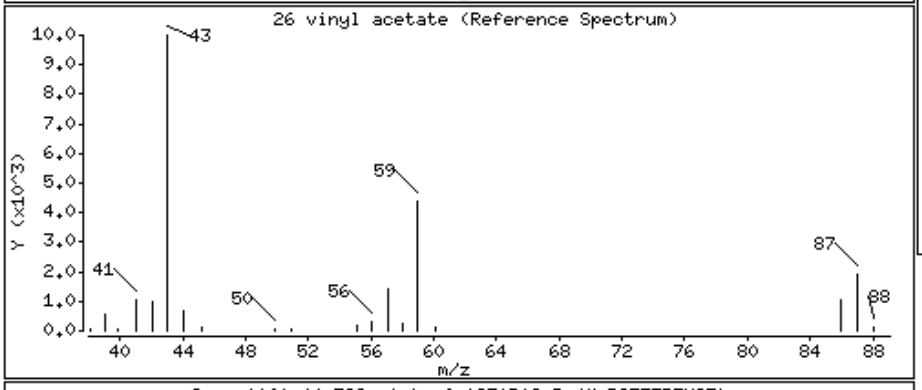
Concentration: 10.517 ngs

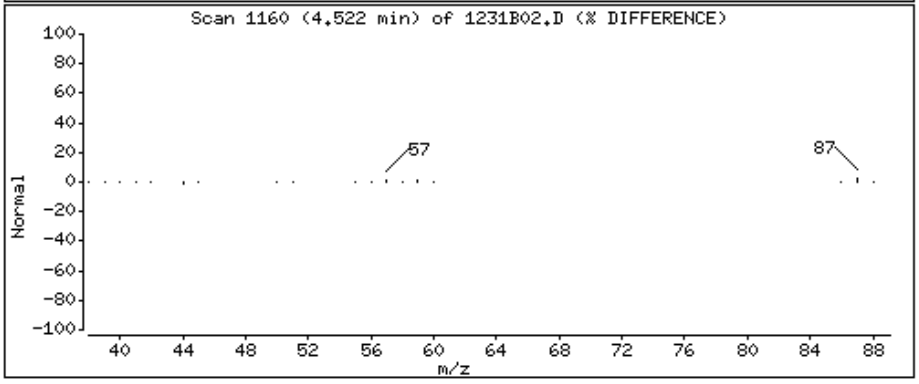












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

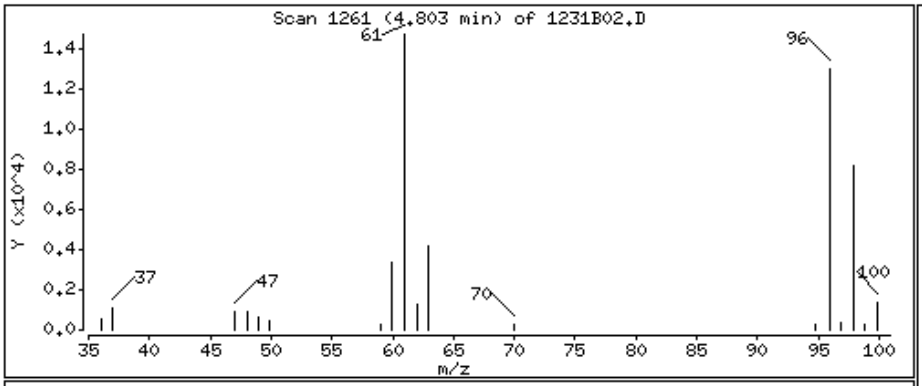
Operator: PD

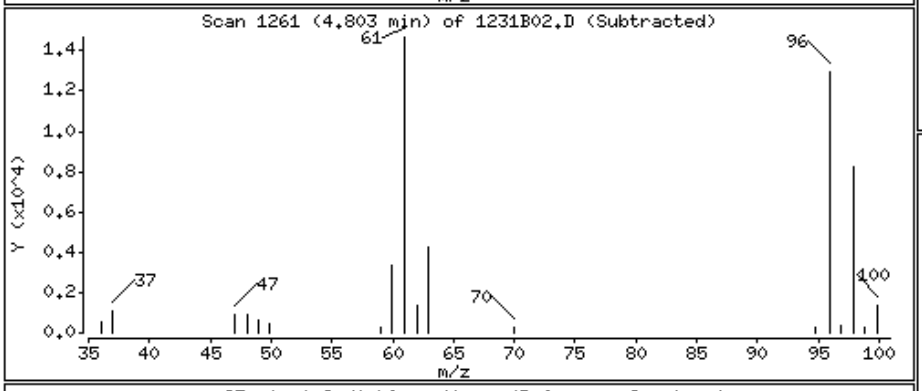
Column phase:

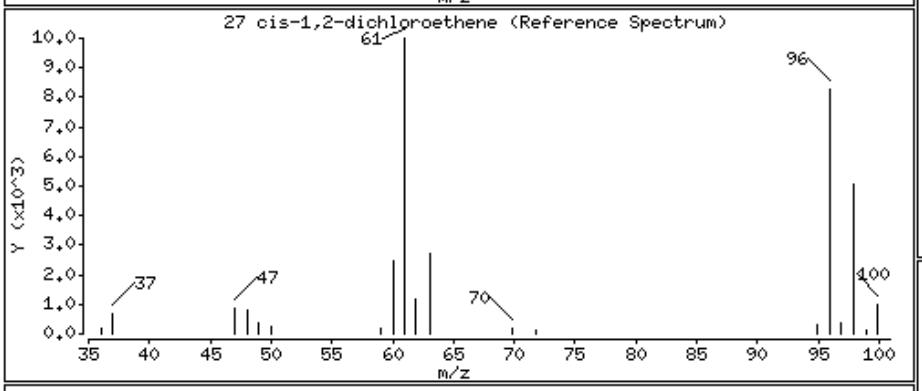
Column diameter: 0.18

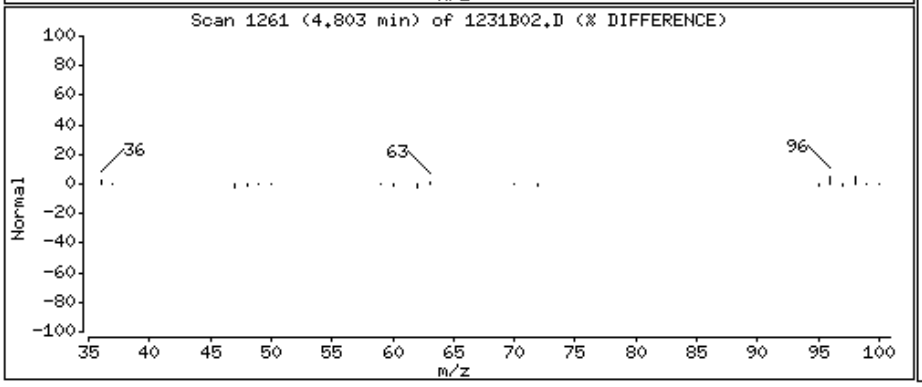
27 cis-1,2-dichloroethene

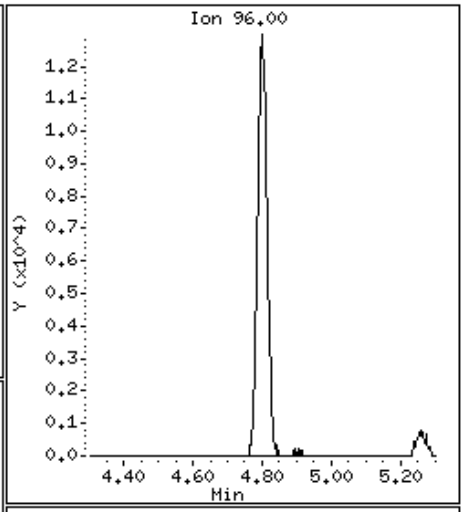
Concentration: 10.662 ngs

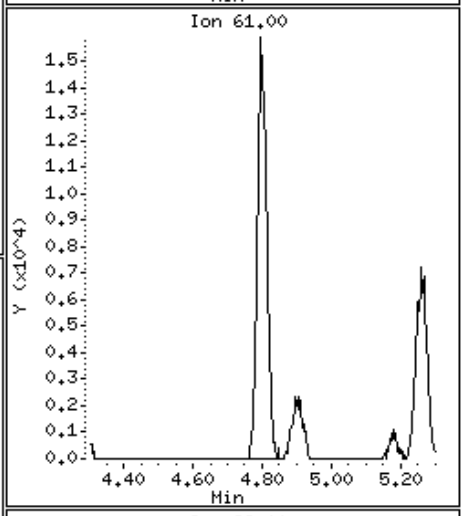


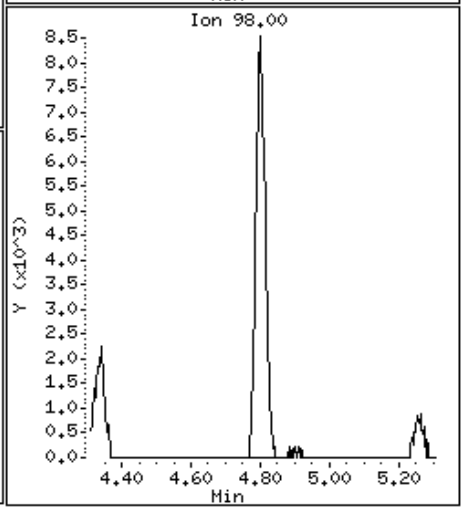












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

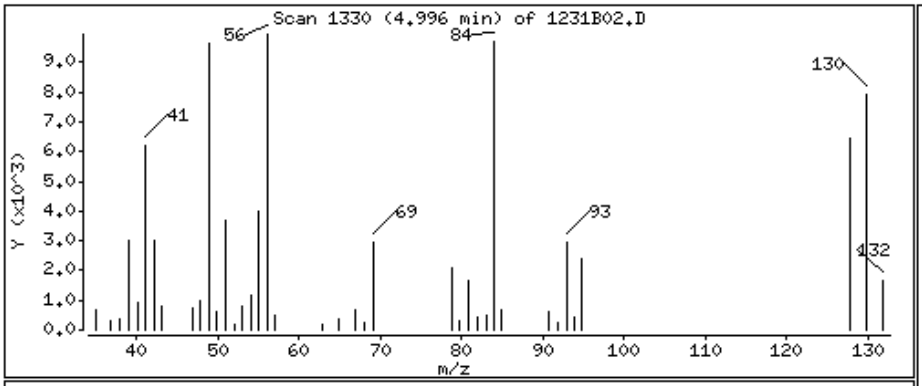
Operator: PD

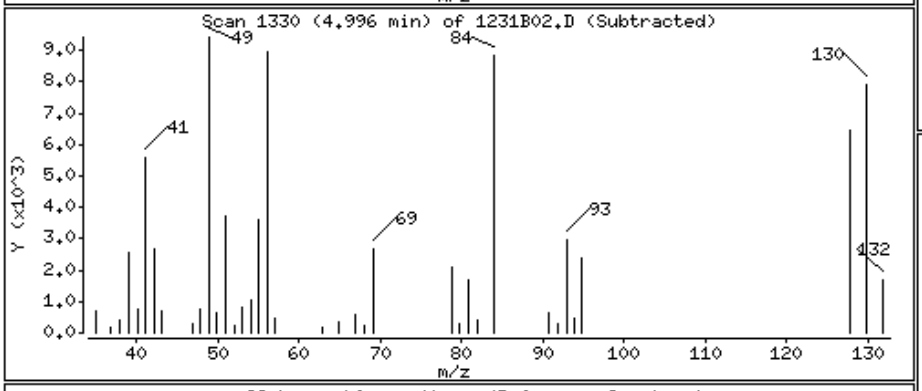
Column phase:

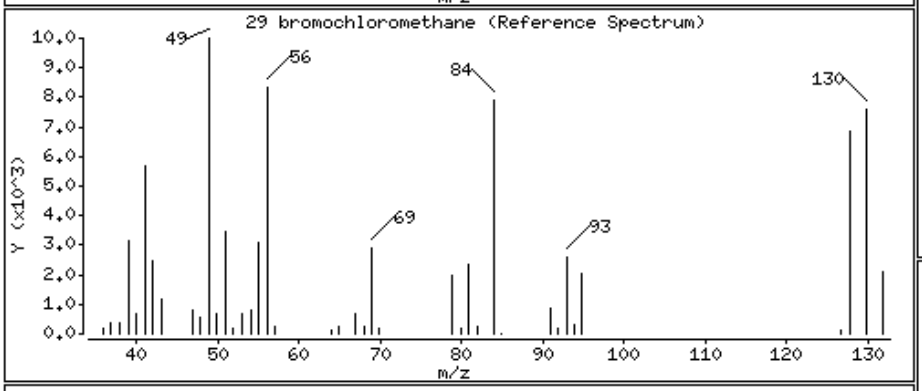
Column diameter: 0.18

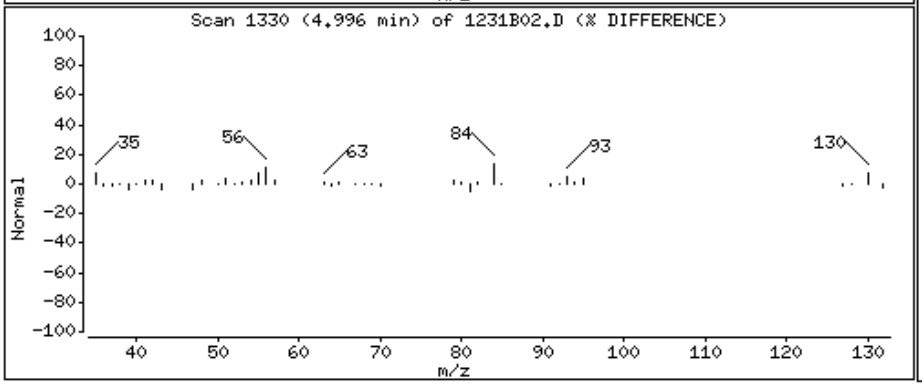
29 bromochloromethane

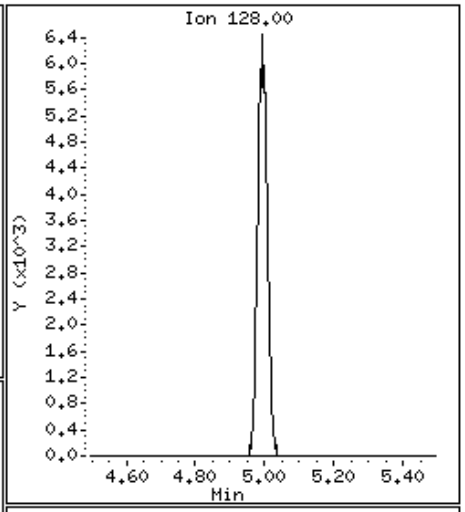
Concentration: 11.180 ngs

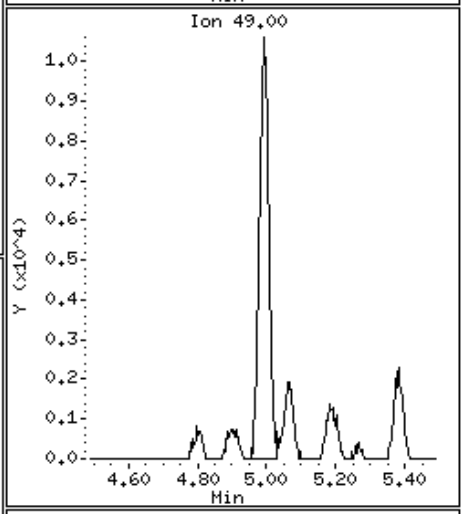


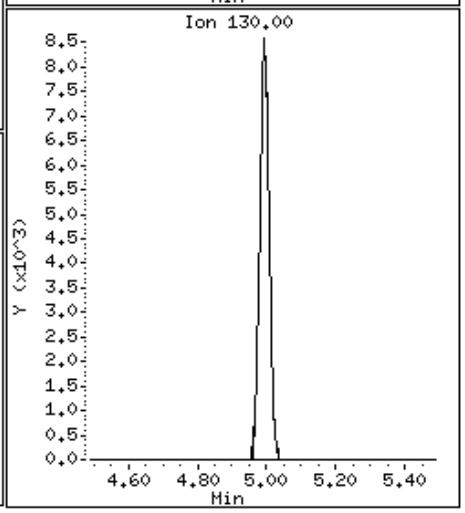












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

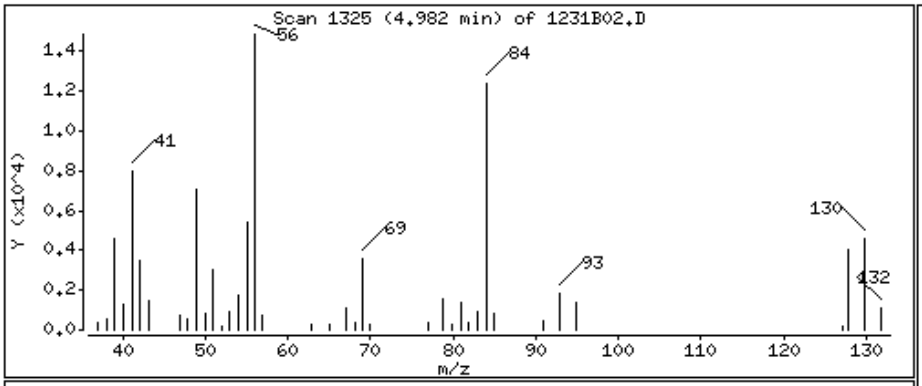
Operator: PD

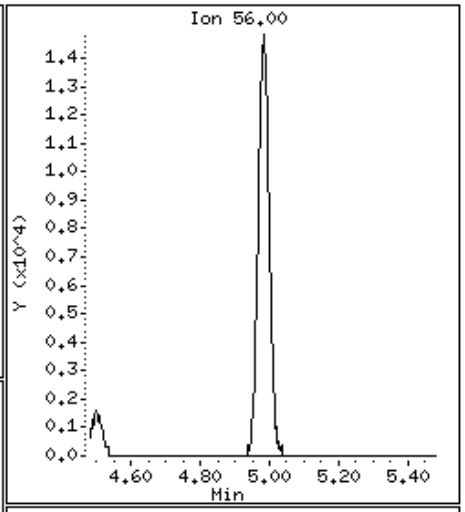
Column phase:

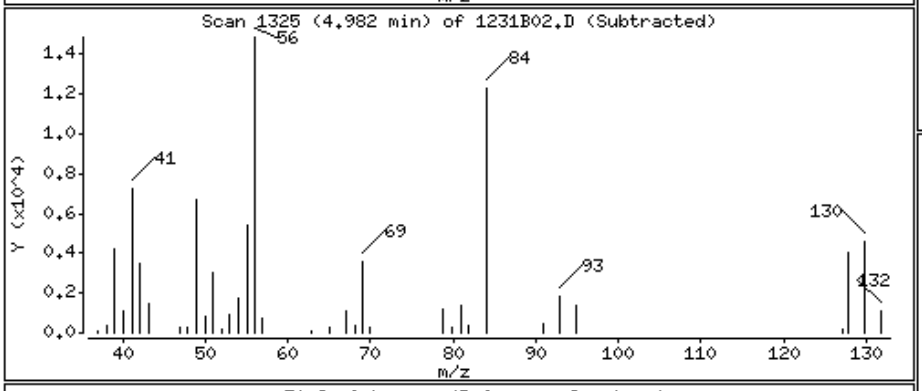
Column diameter: 0.18

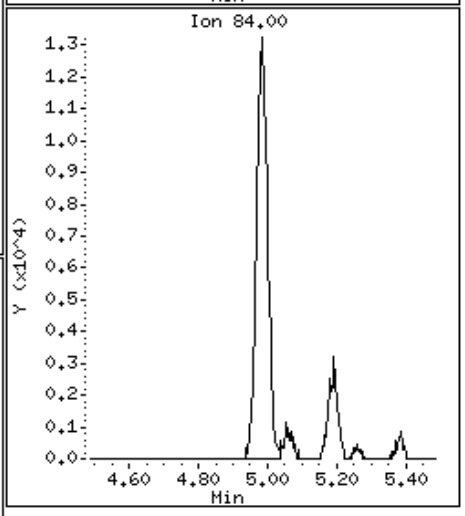
30 Cyclohexane

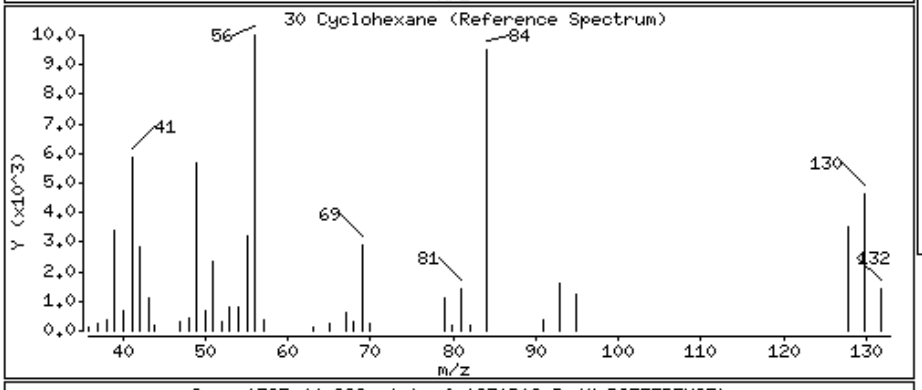
Concentration: 11.311 ngs

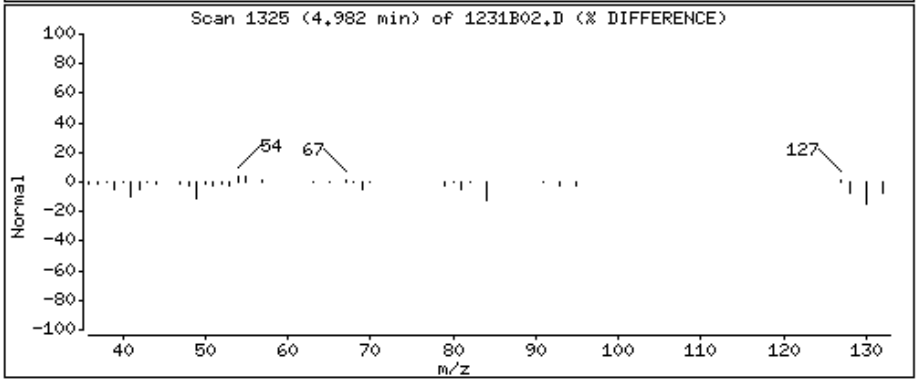












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

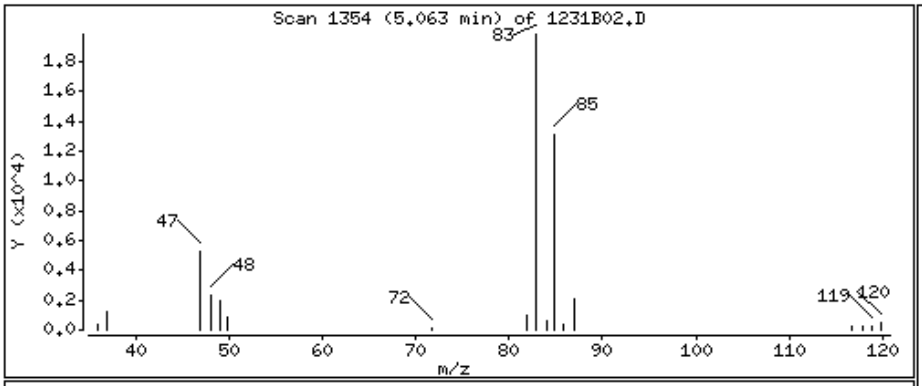
Operator: PD

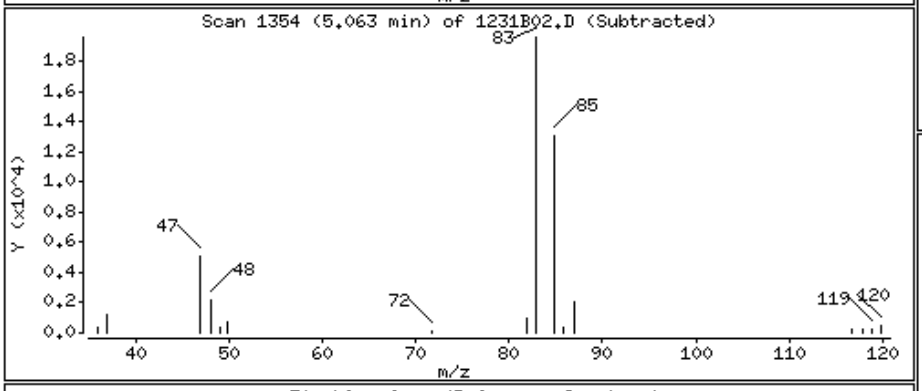
Column phase:

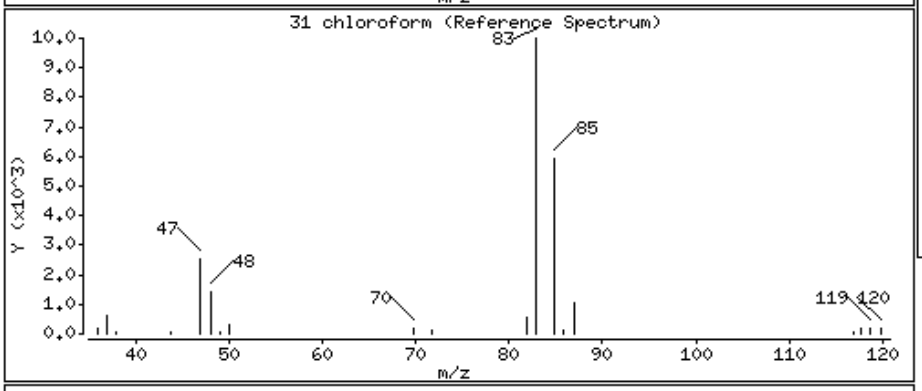
Column diameter: 0.18

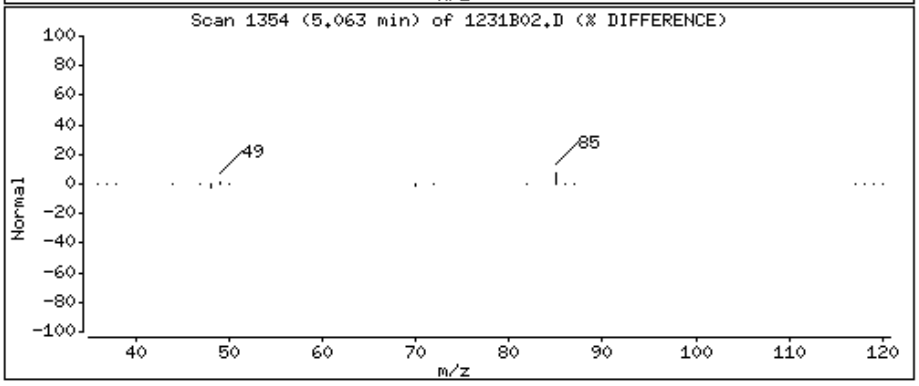
31 chloroform

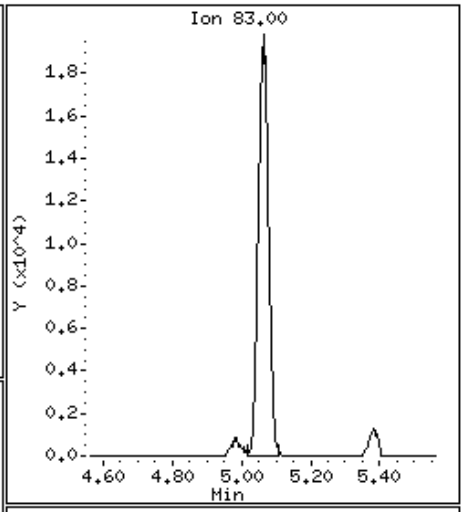
Concentration: 10.556 ngs

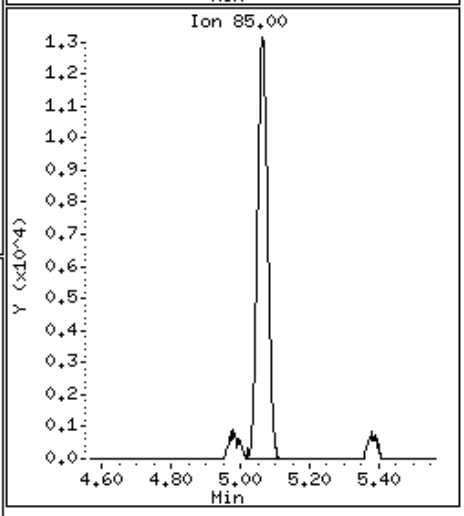












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

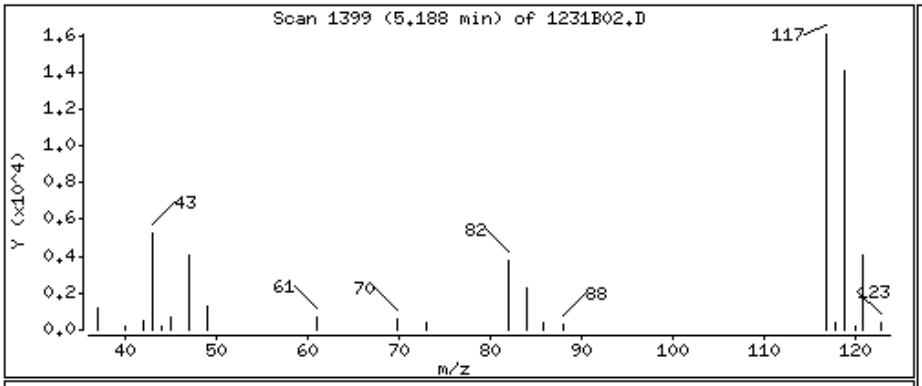
Operator: PD

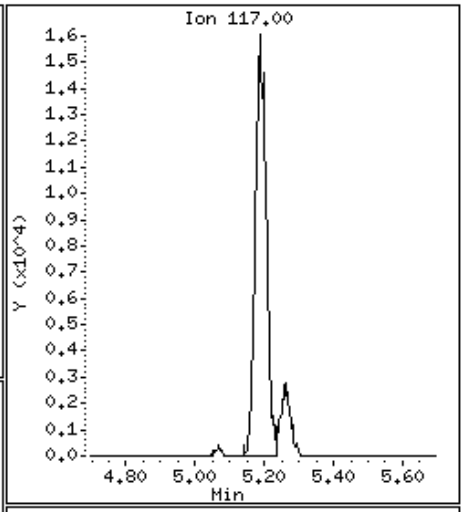
Column phase:

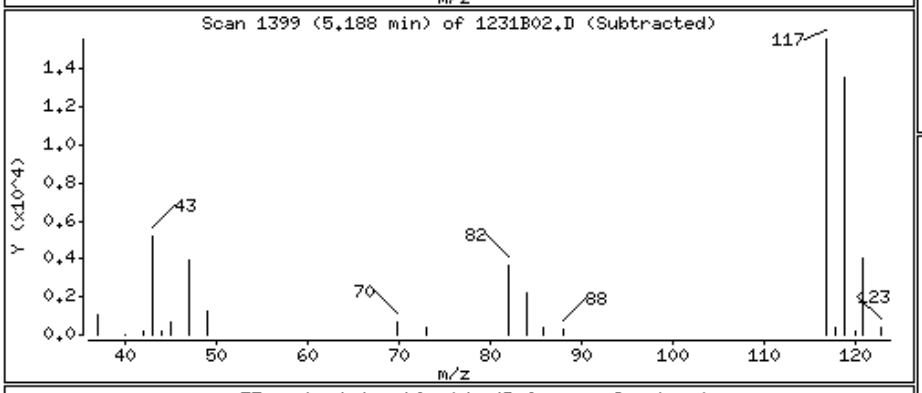
Column diameter: 0.18

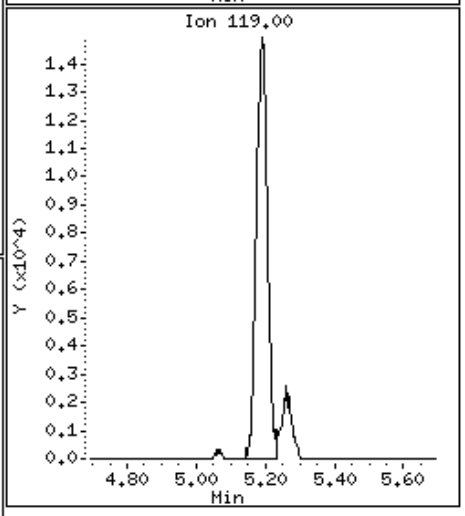
33 carbontetrachloride

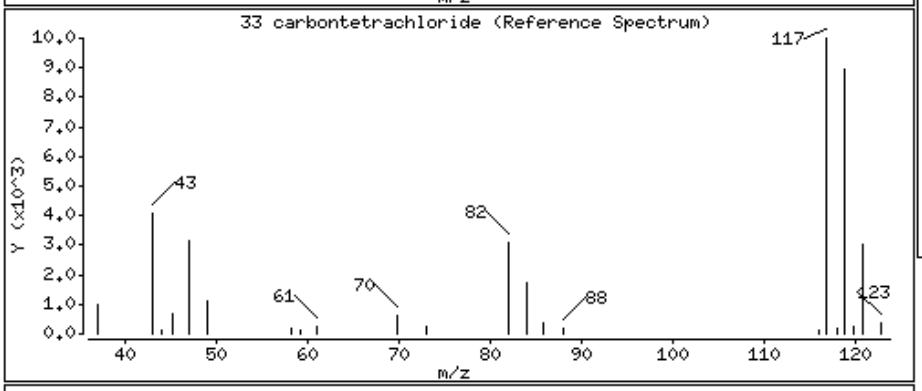
Concentration: 11.617 ngs

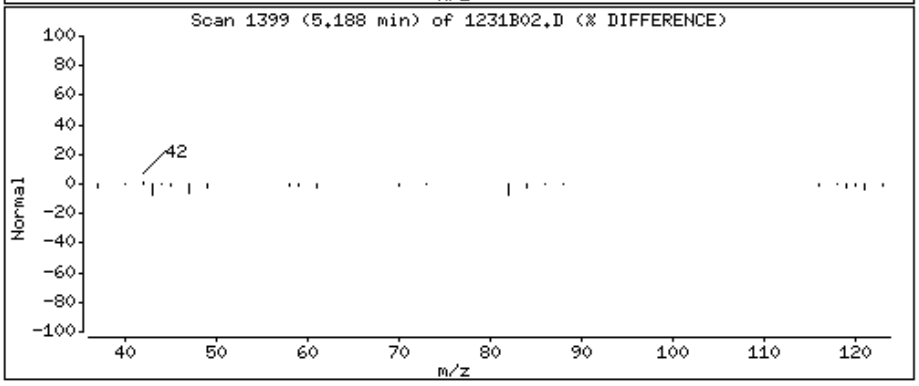












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

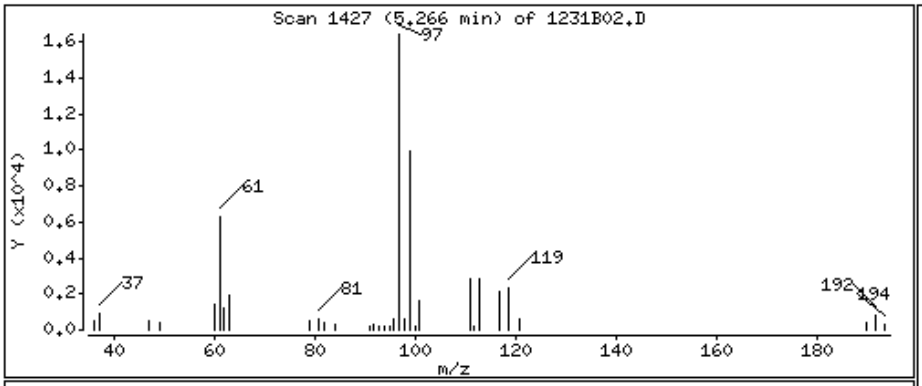
Operator: PD

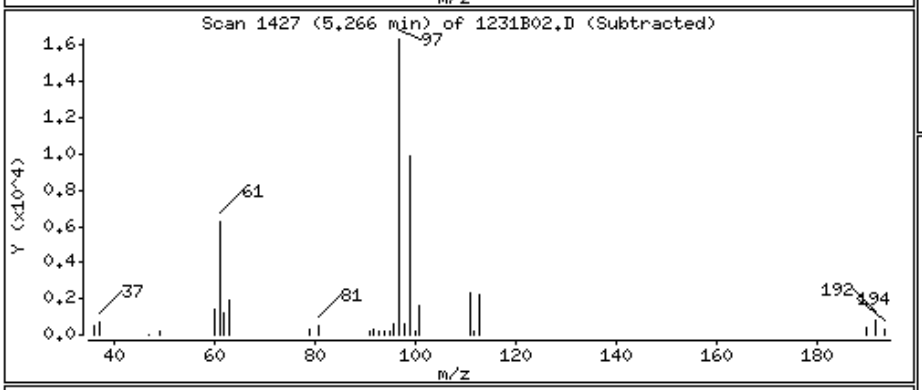
Column phase:

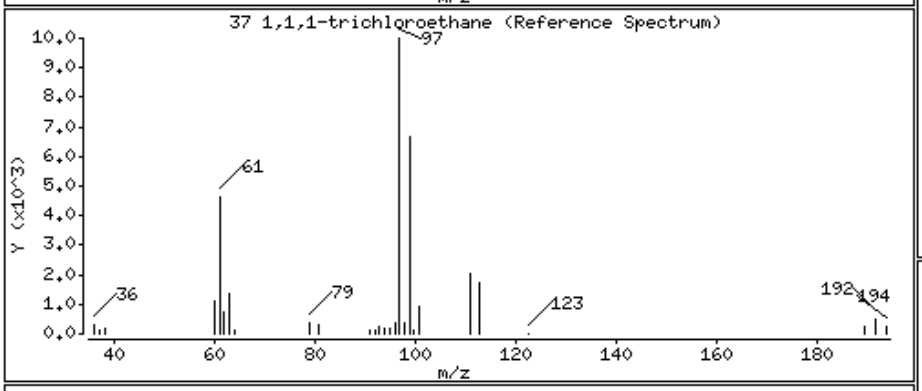
Column diameter: 0.18

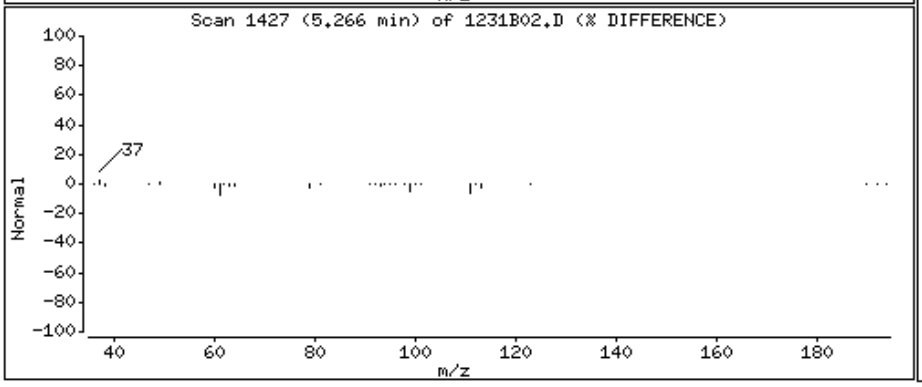
37 1,1,1-trichloroethane

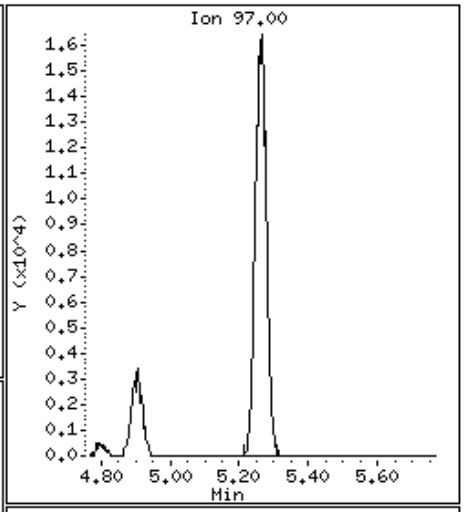
Concentration: 11.225 ngs

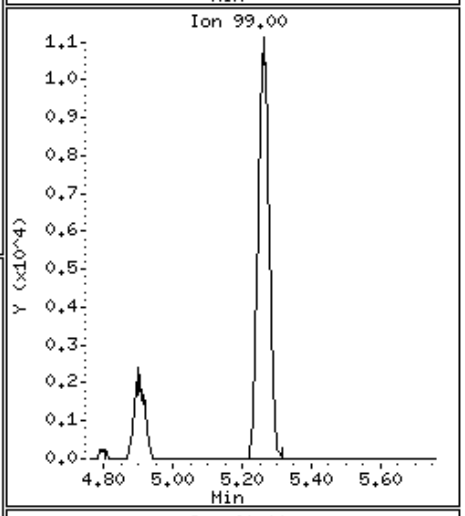


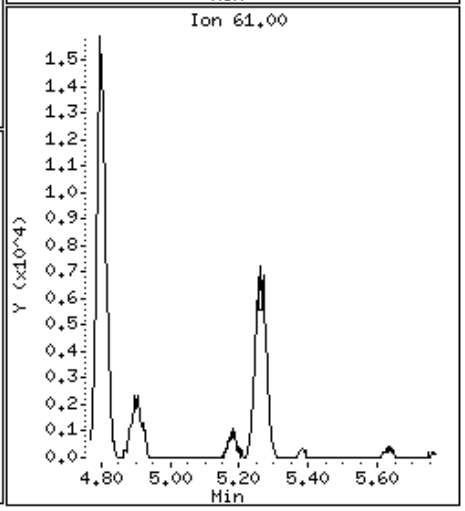












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

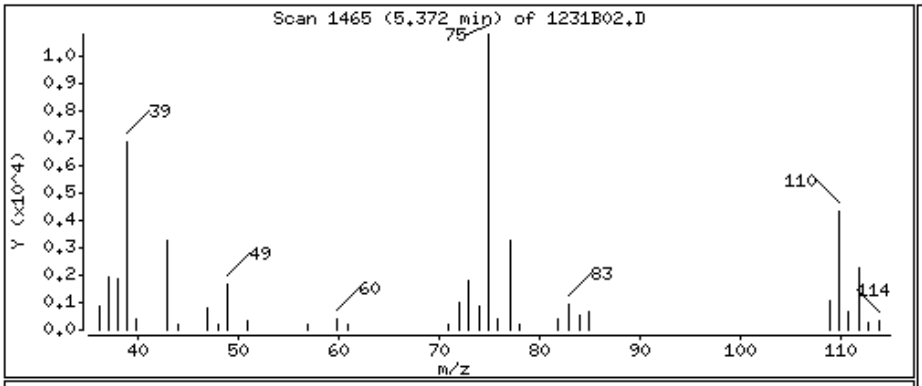
Operator: PD

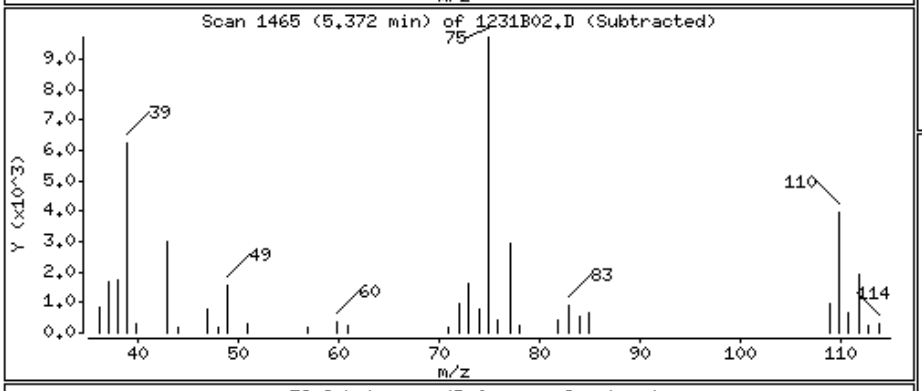
Column phase:

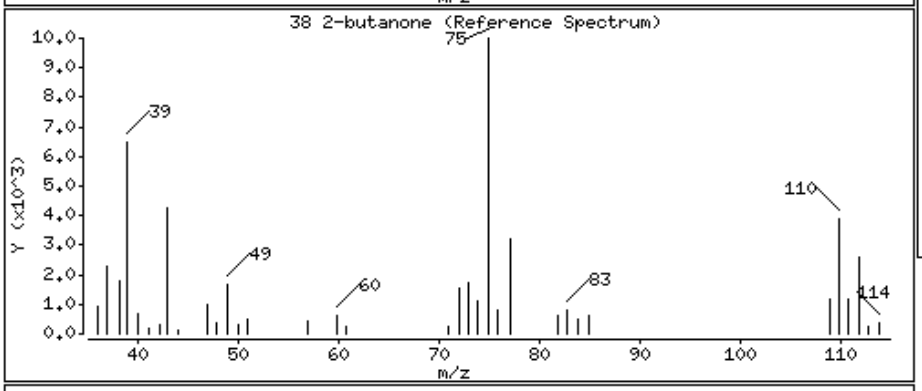
Column diameter: 0.18

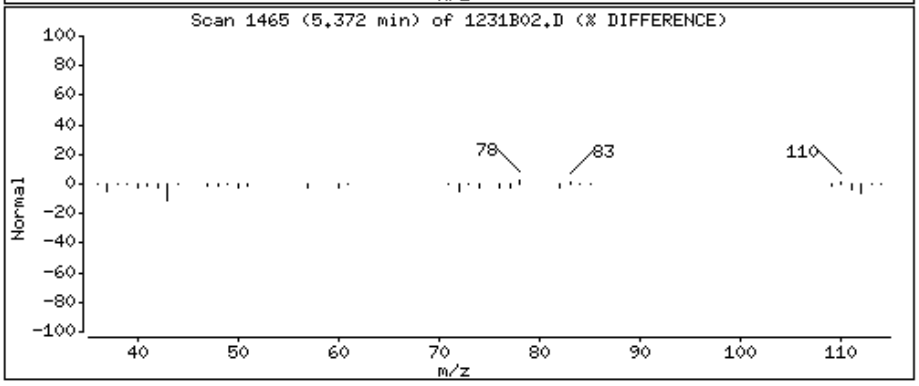
38 2-butanone

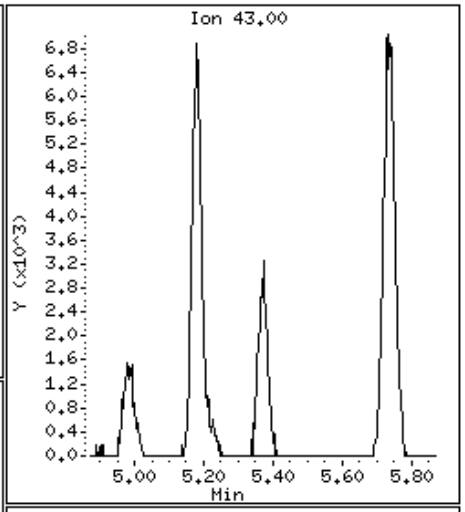
Concentration: 9.187 ngs

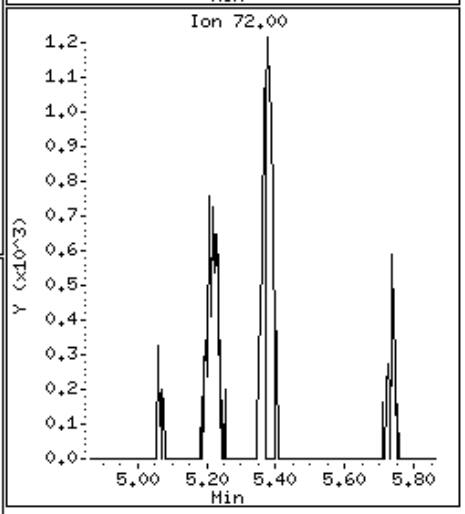












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

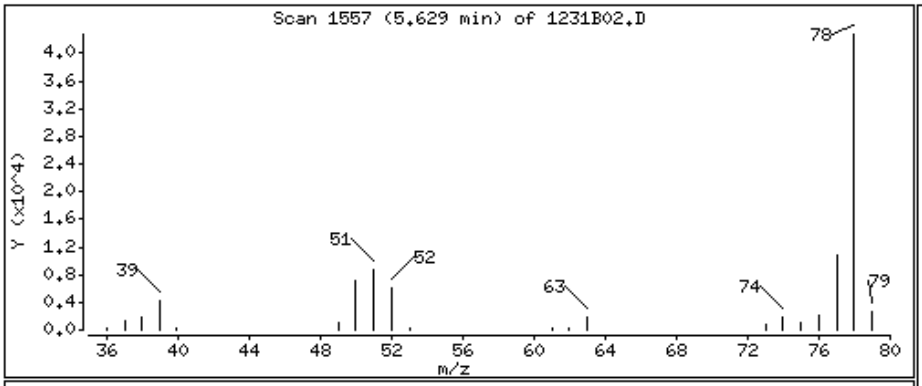
Operator: PD

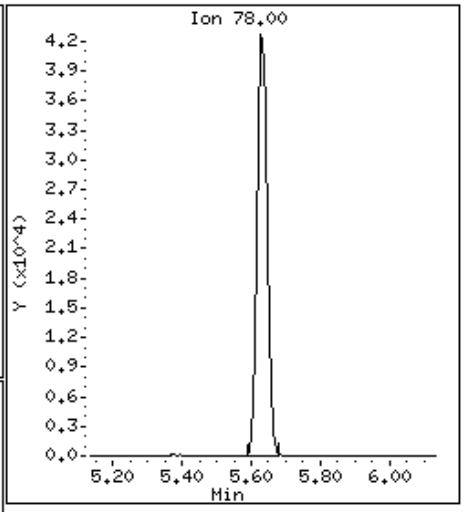
Column phase:

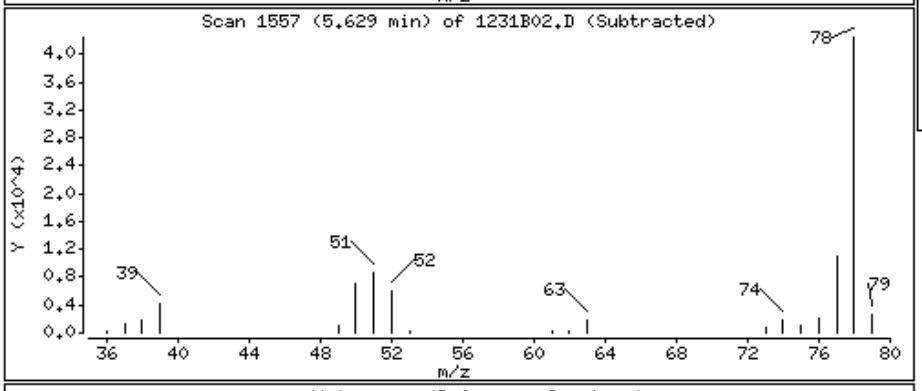
Column diameter: 0.18

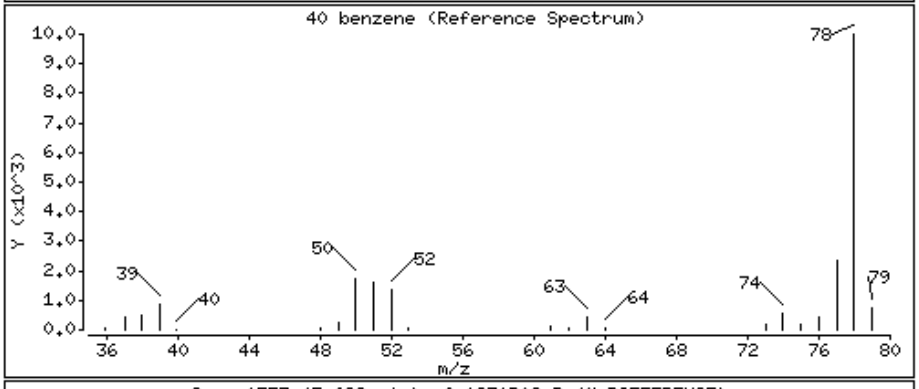
40 benzene

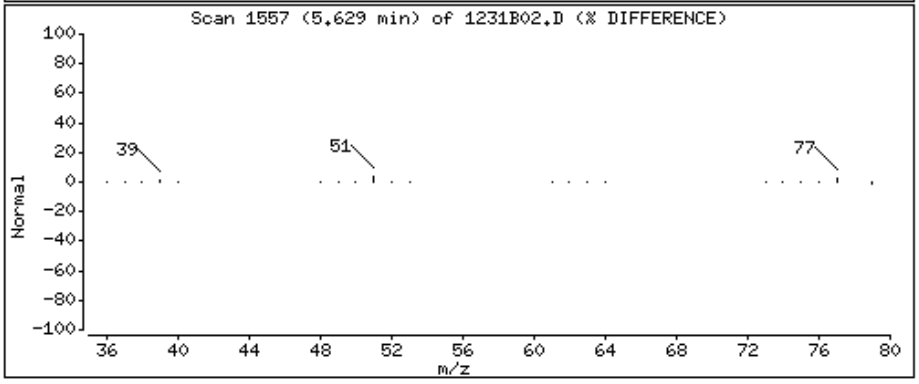
Concentration: 10.613 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

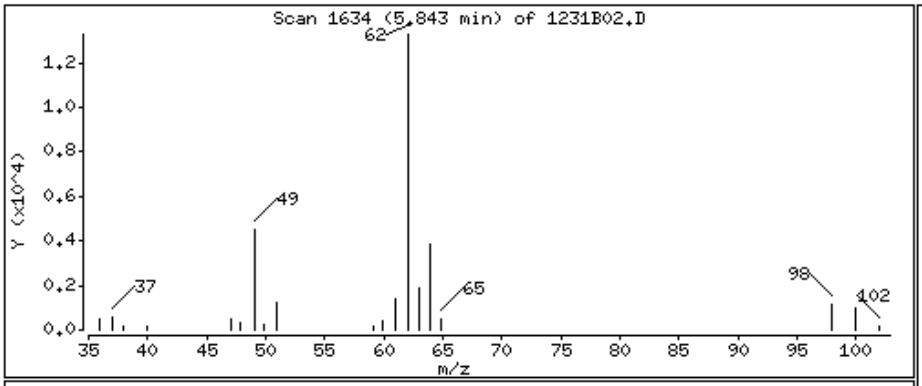
Operator: PD

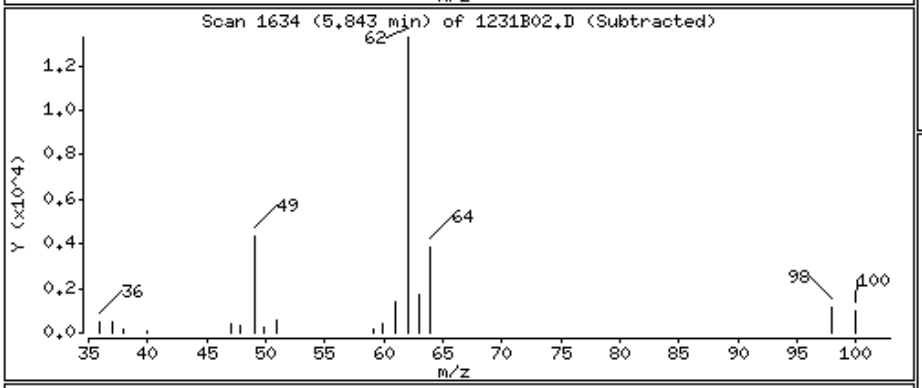
Column phase:

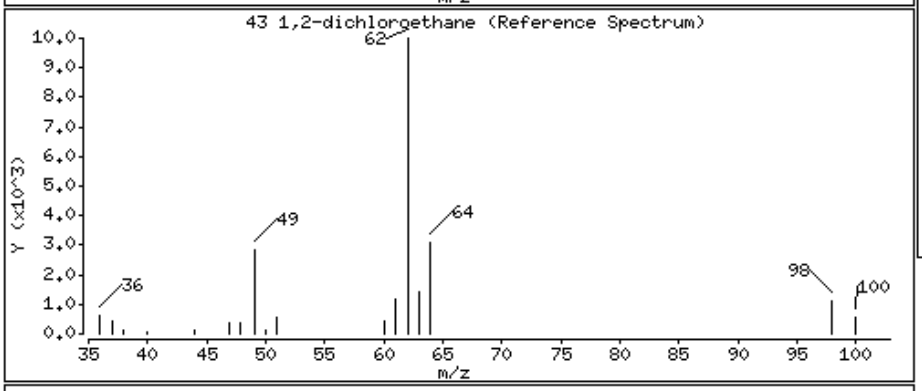
Column diameter: 0.18

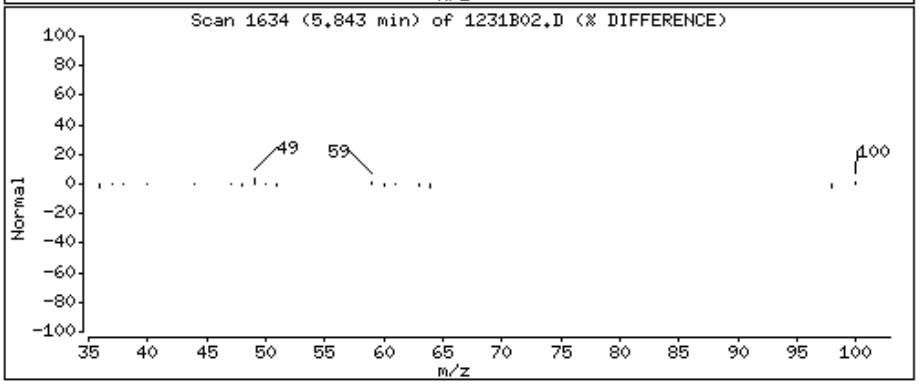
43 1,2-dichloroethane

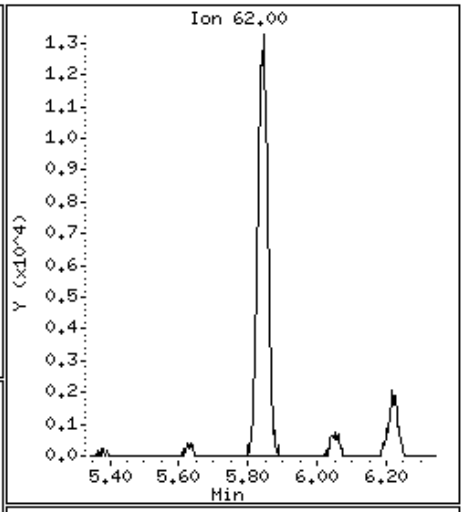
Concentration: 10.327 ngs

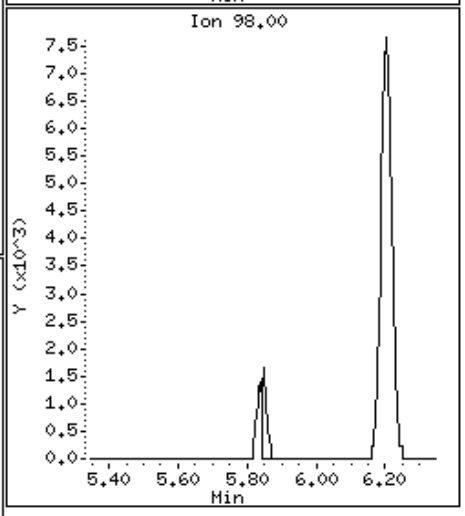












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

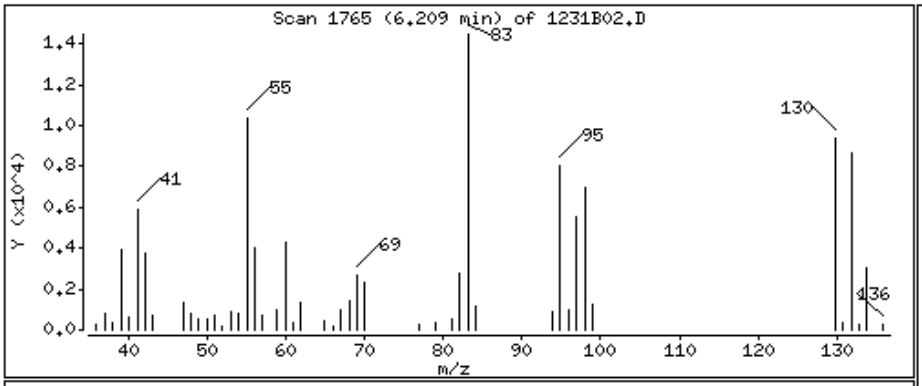
Operator: PD

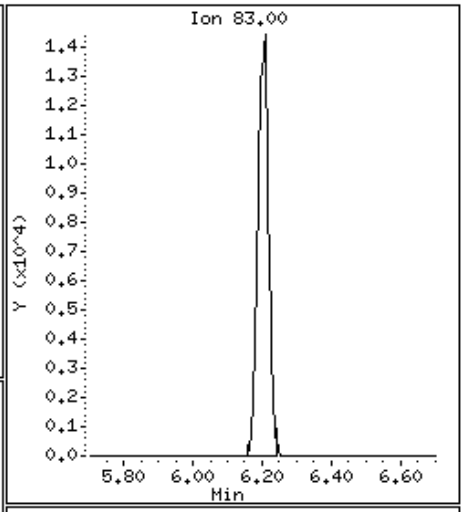
Column phase:

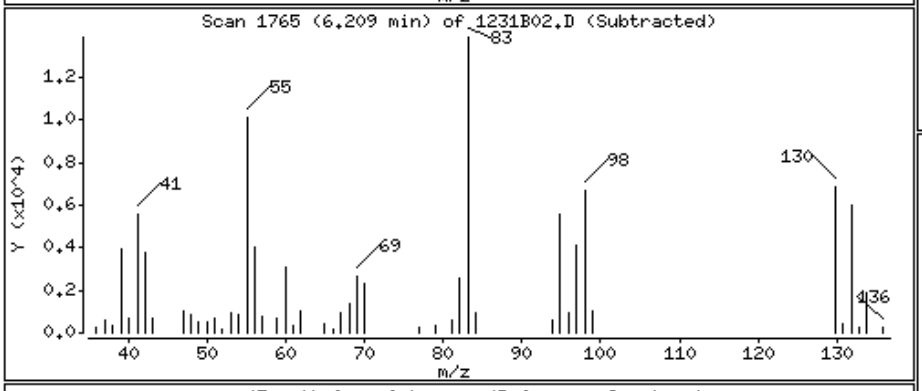
Column diameter: 0.18

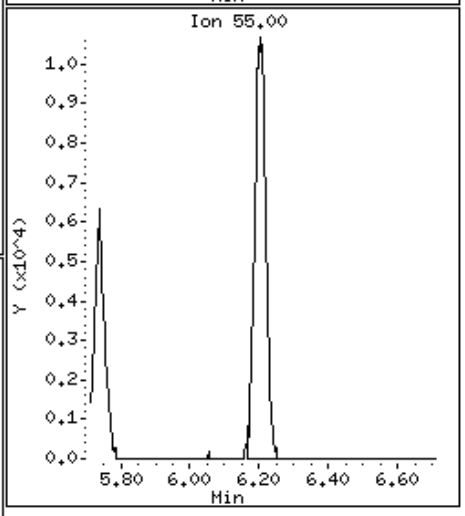
47 methyl cyclohexane

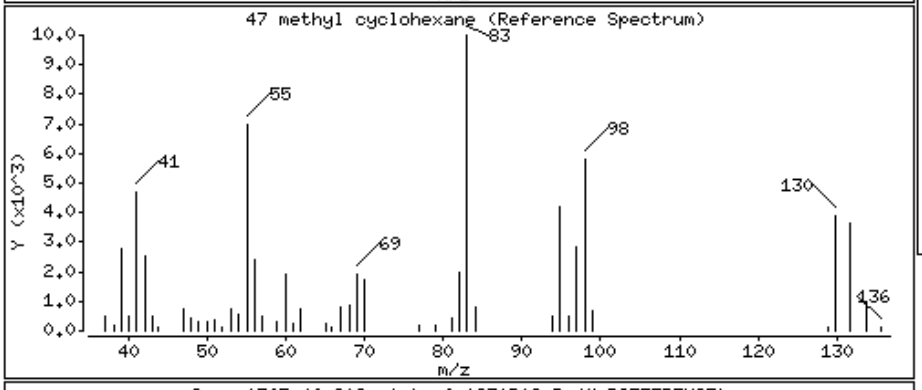
Concentration: 9.818 ngs

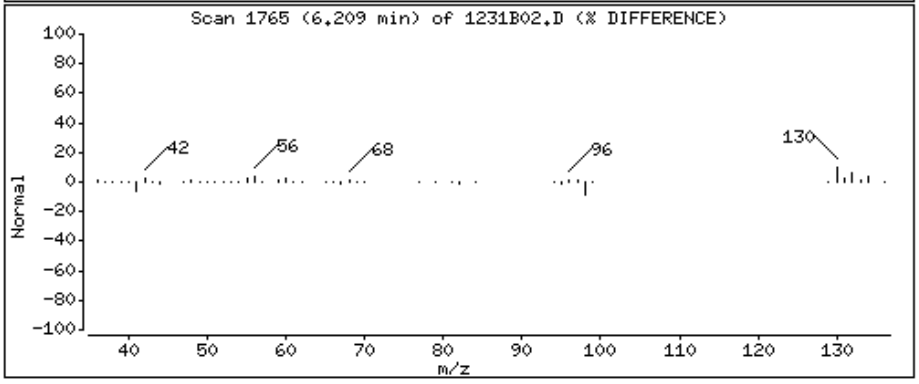












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

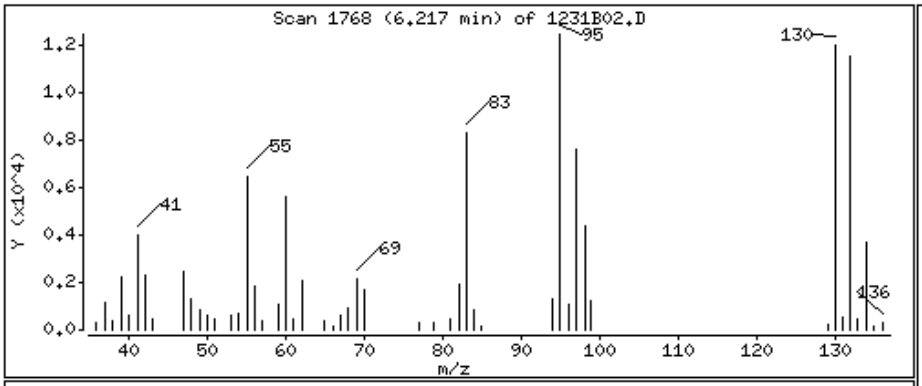
Operator: PD

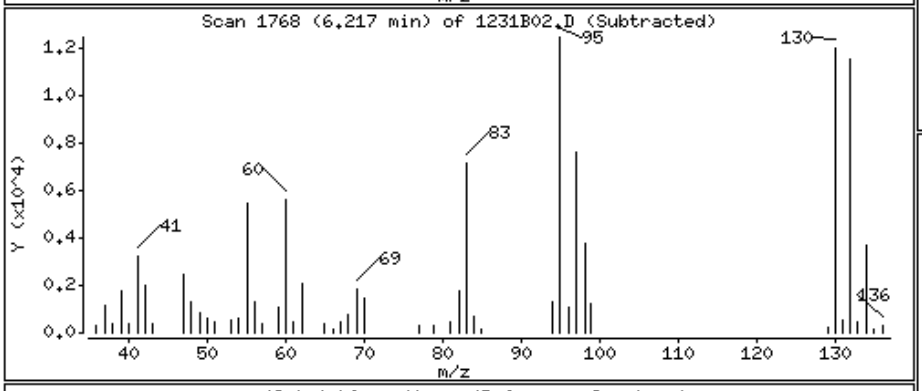
Column phase:

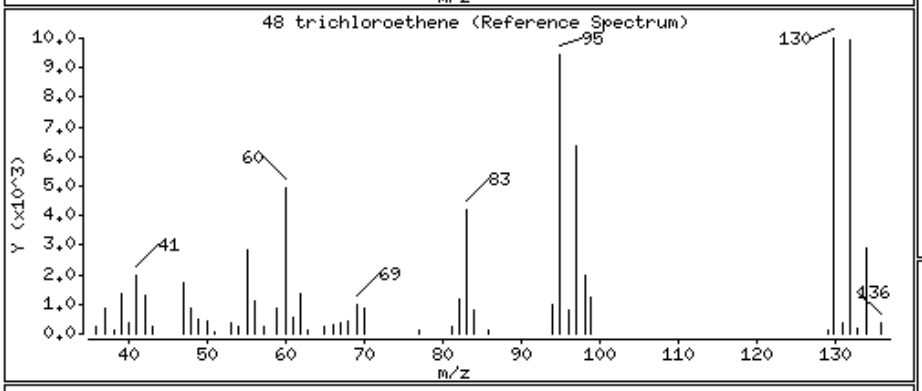
Column diameter: 0.18

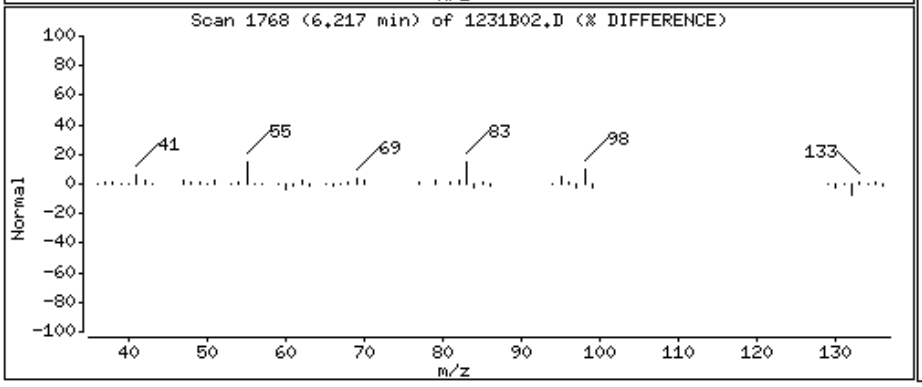
48 trichloroethene

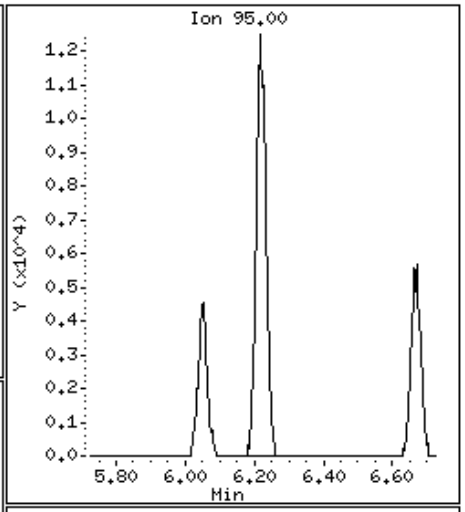
Concentration: 10.596 ngs

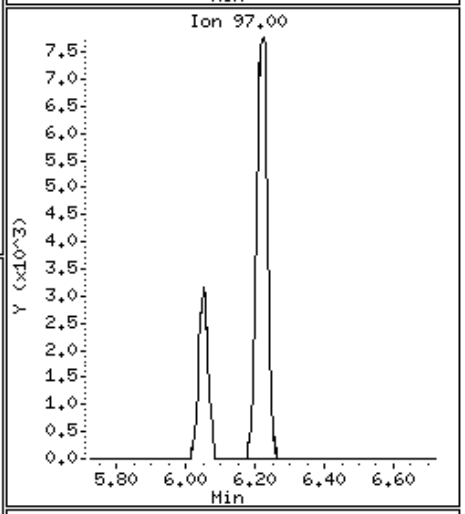


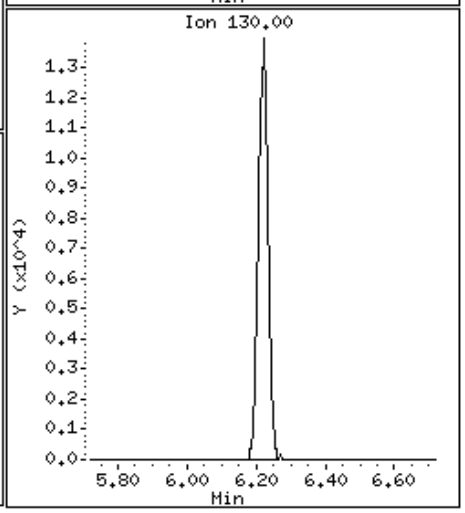












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

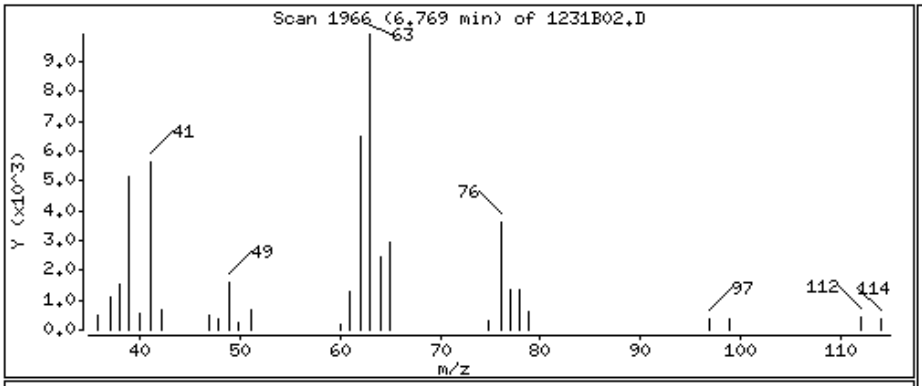
Operator: PD

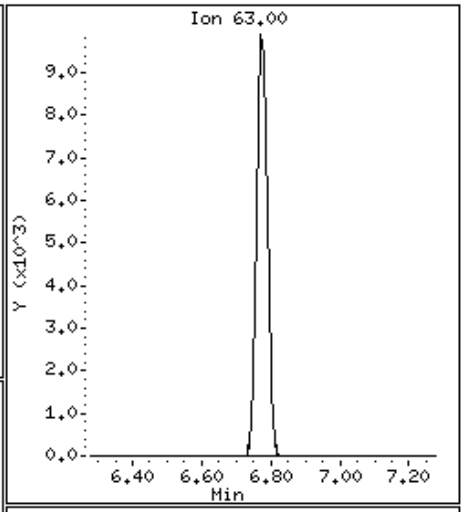
Column phase:

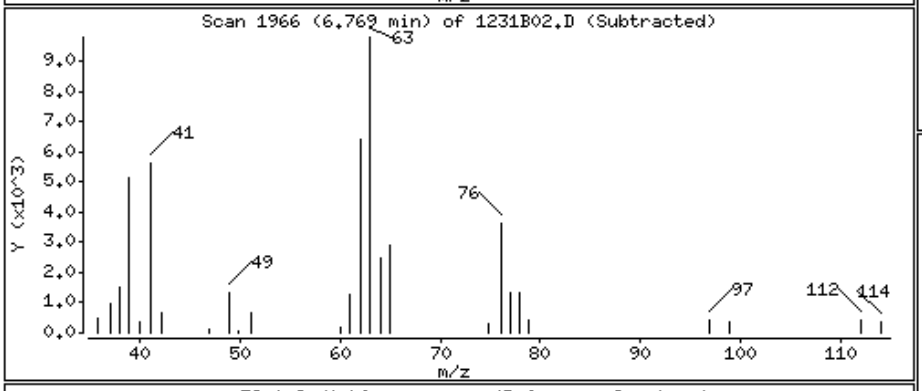
Column diameter: 0.18

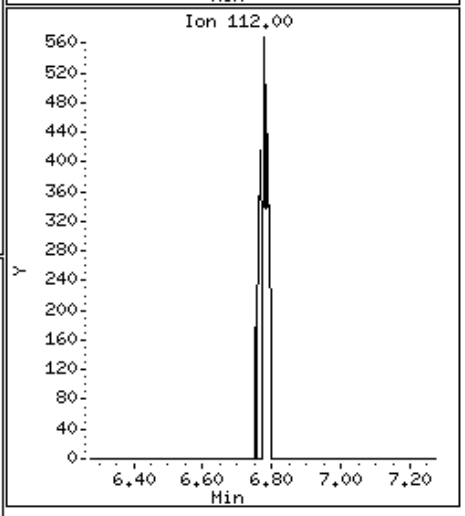
52 1,2-dichloropropane

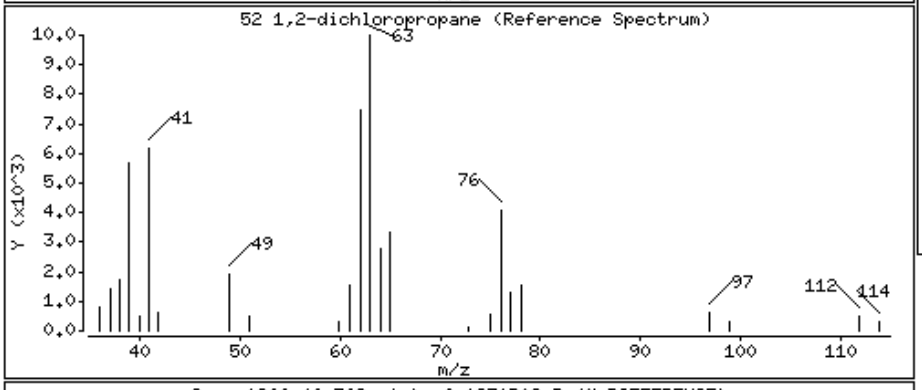
Concentration: 10.827 ngs

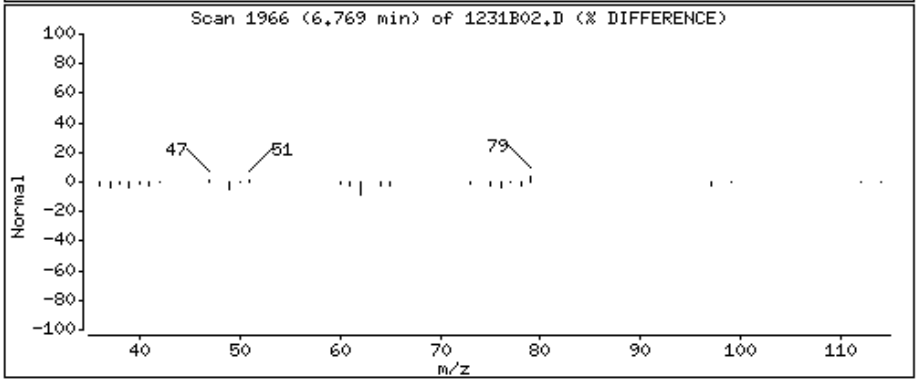












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

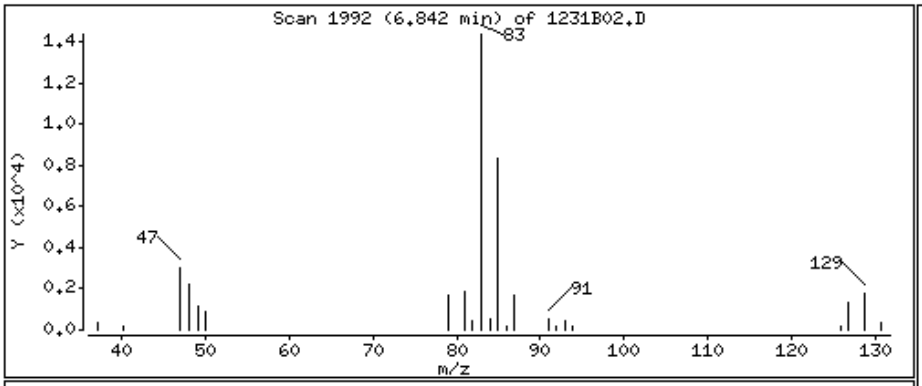
Operator: PD

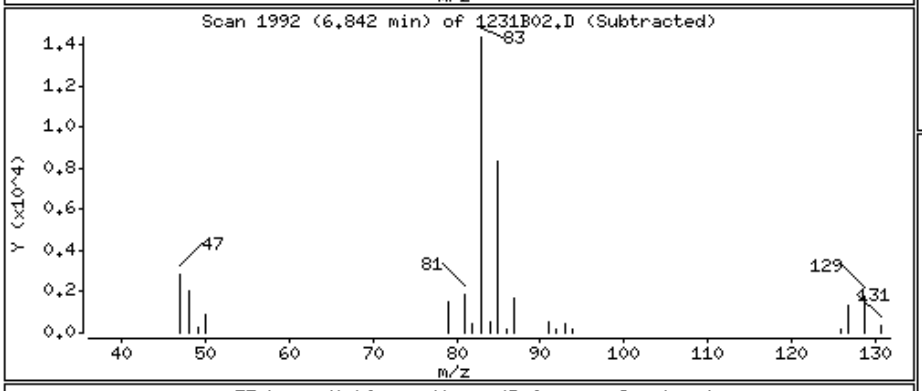
Column phase:

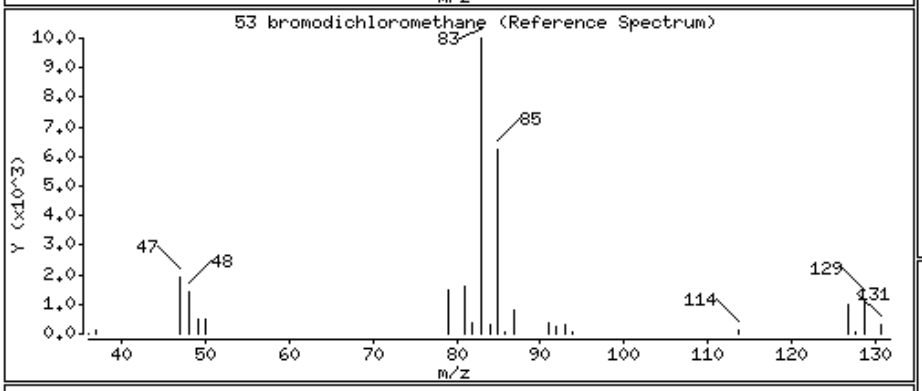
Column diameter: 0.18

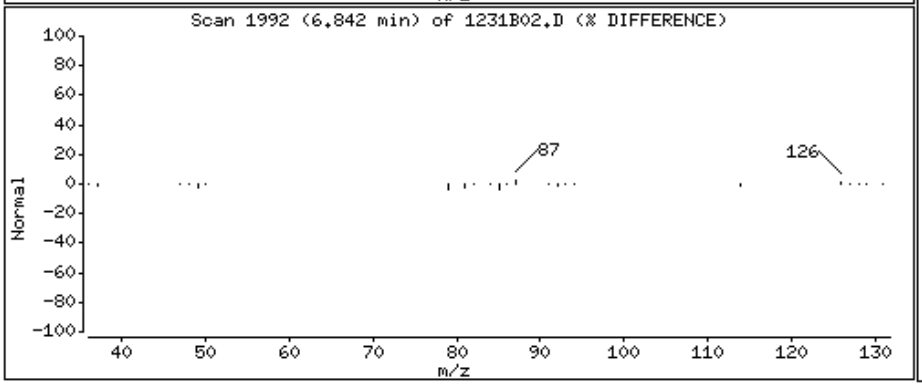
53 bromodichloromethane

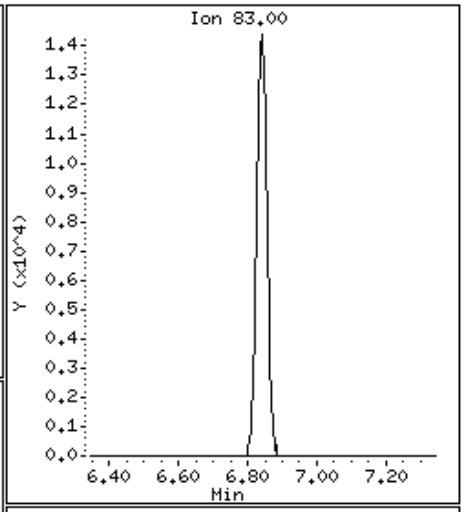
Concentration: 10.399 ngs

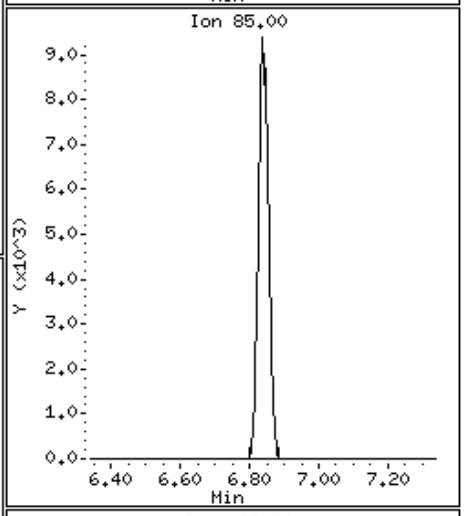


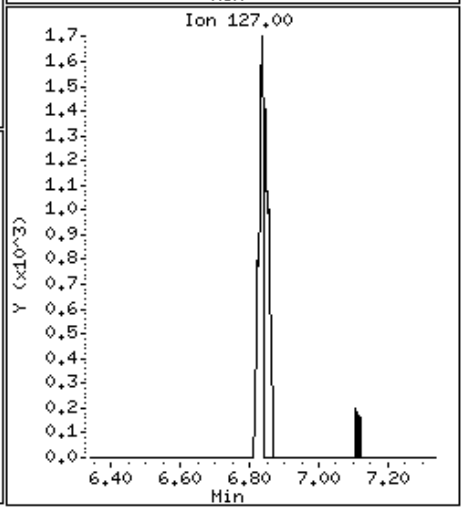












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

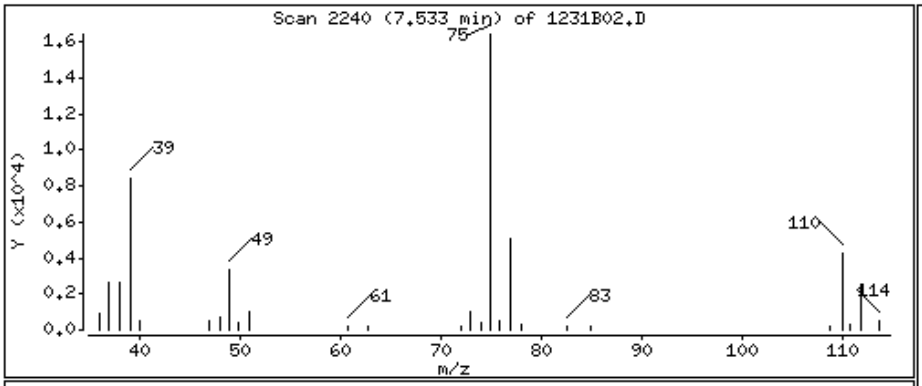
Operator: PD

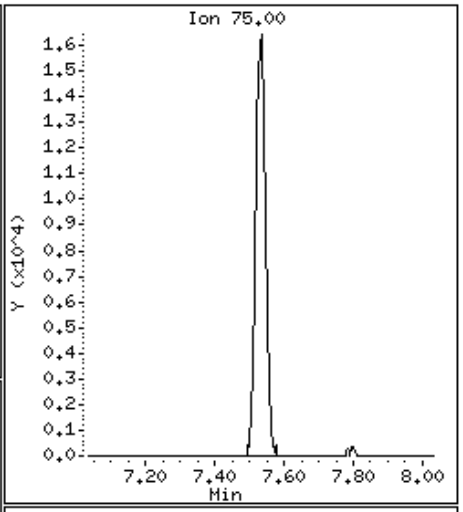
Column phase:

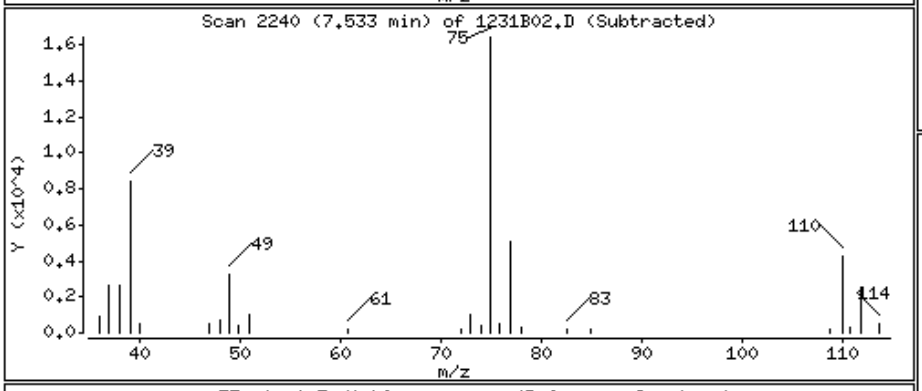
Column diameter: 0.18

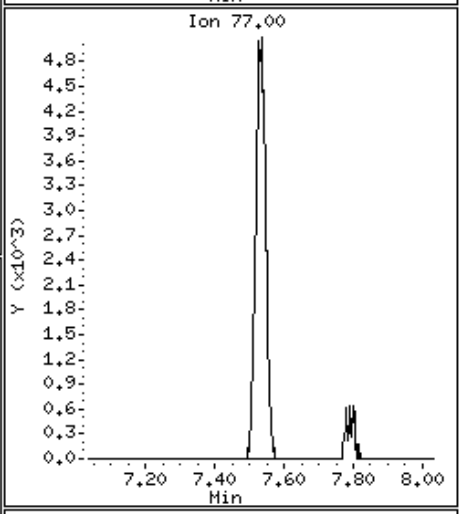
57 cis-1,3-dichloropropene

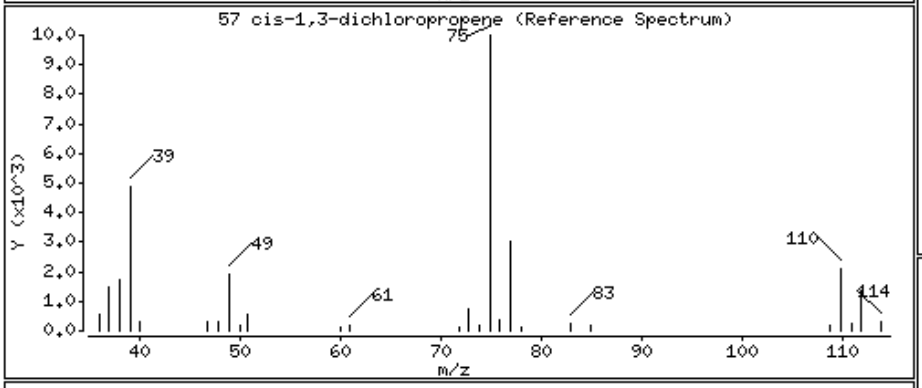
Concentration: 10.194 ngs

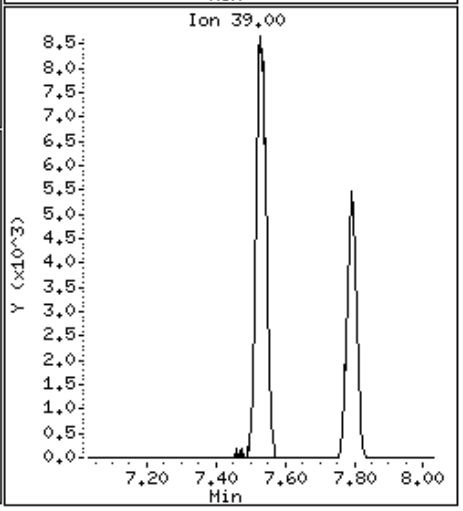


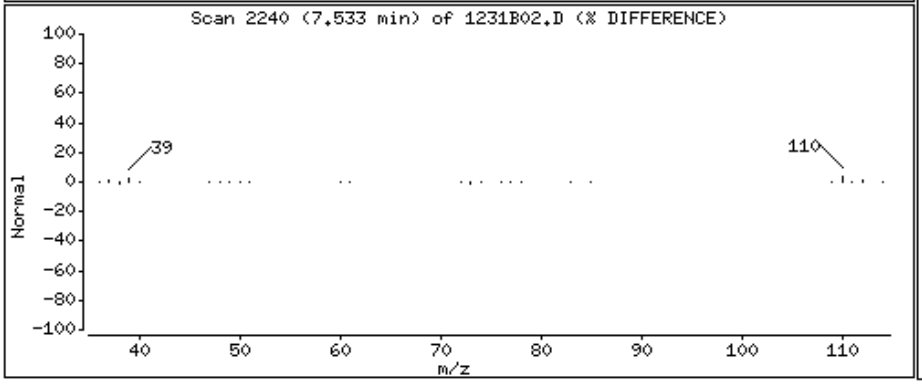












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

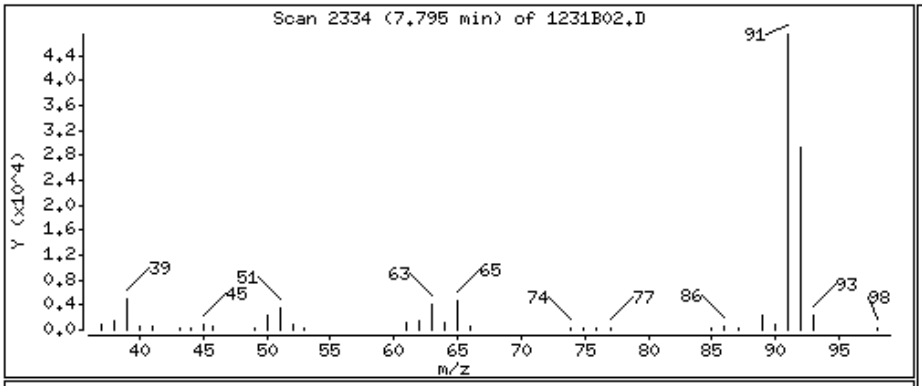
Operator: PD

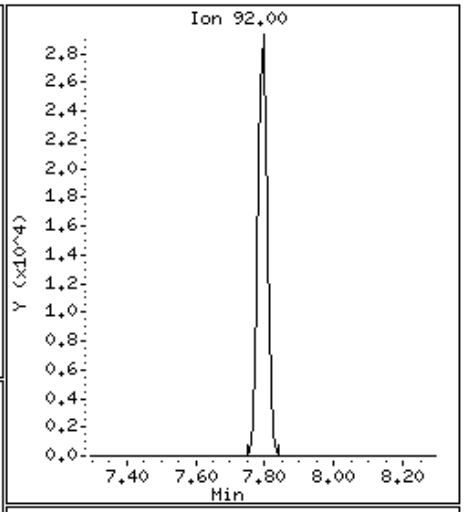
Column phase:

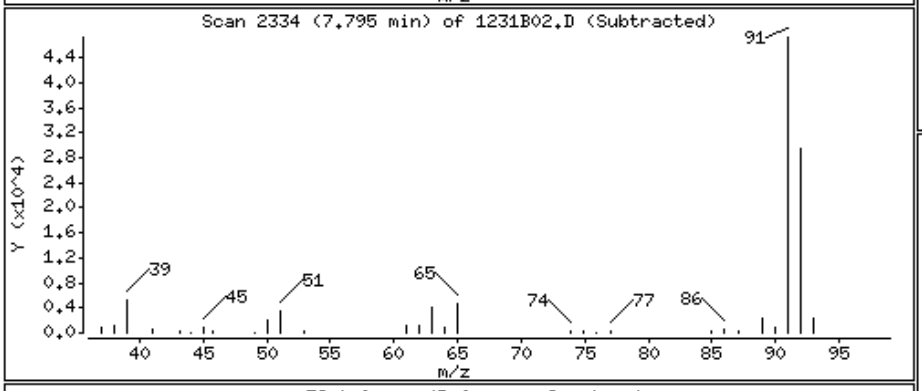
Column diameter: 0.18

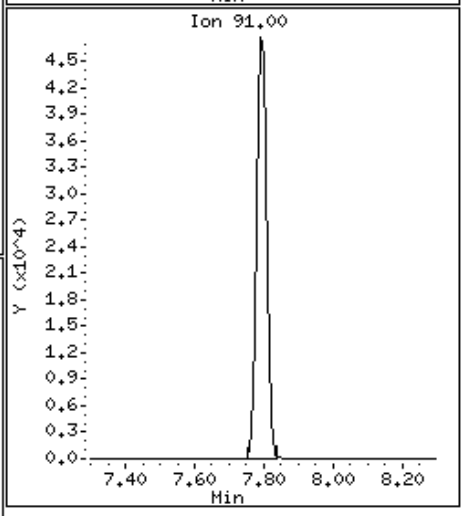
59 toluene

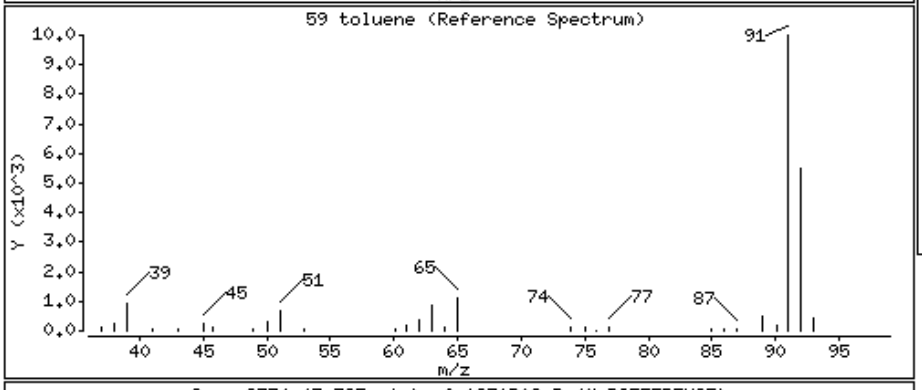
Concentration: 10.804 ngs

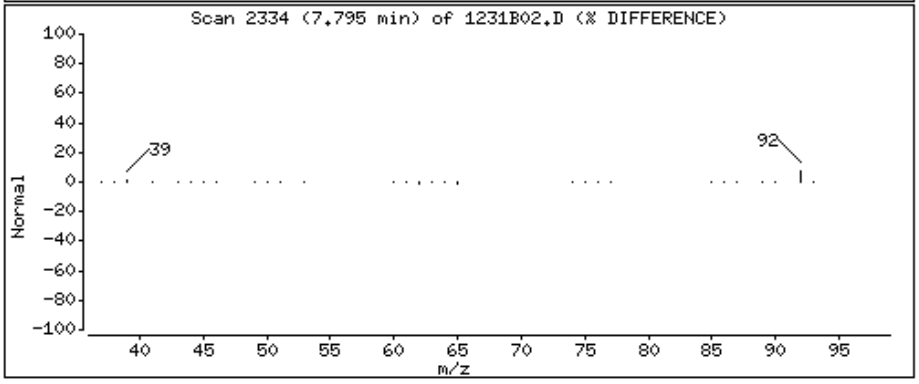












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

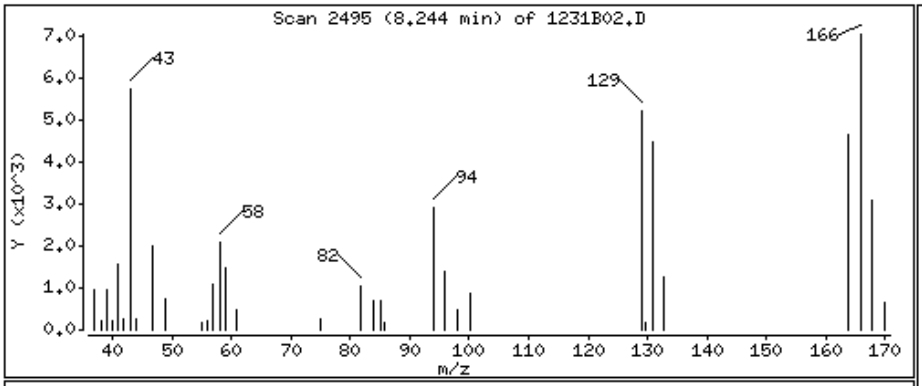
Operator: PD

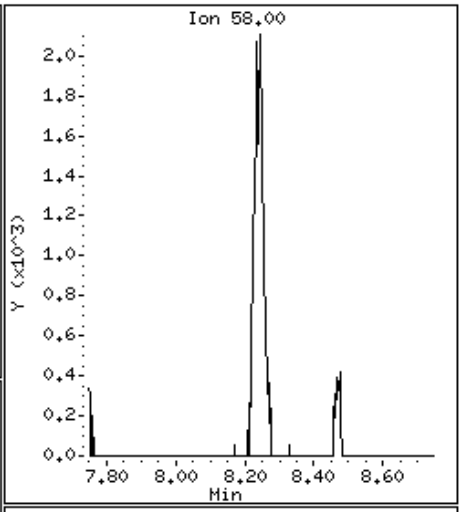
Column phase:

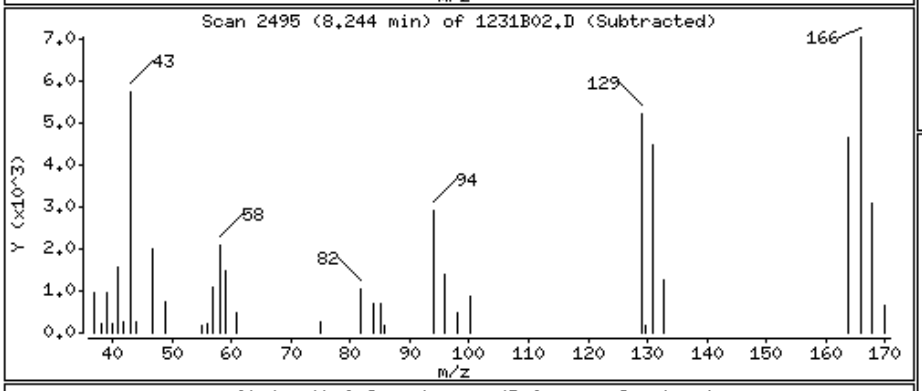
Column diameter: 0.18

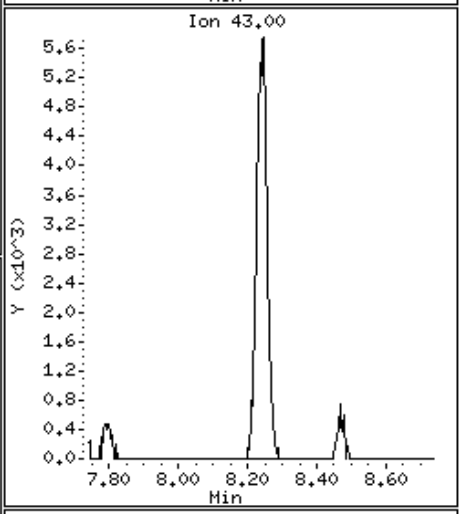
60 4-methyl-2-pentanone

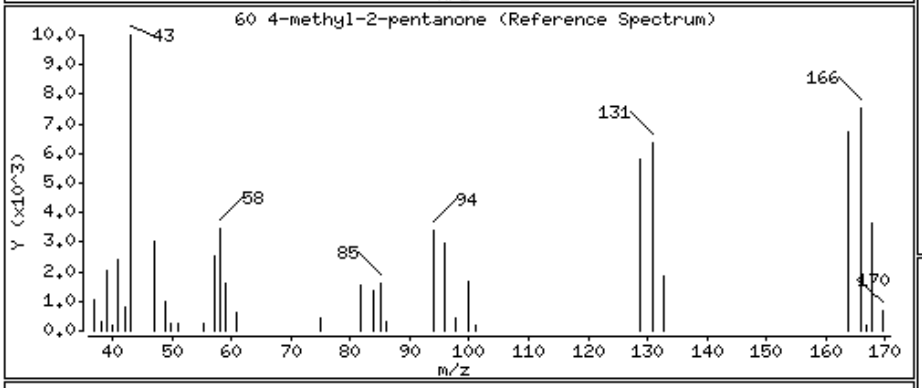
Concentration: 8.026 ngs

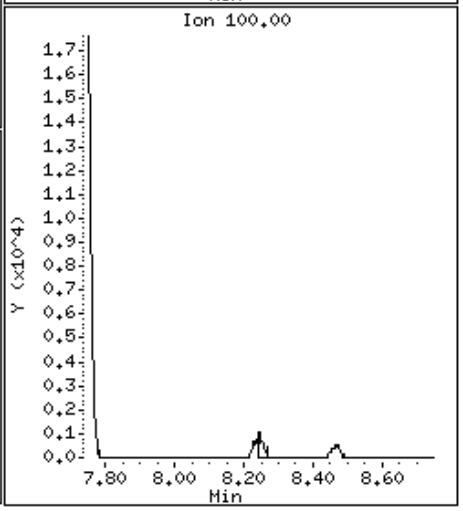


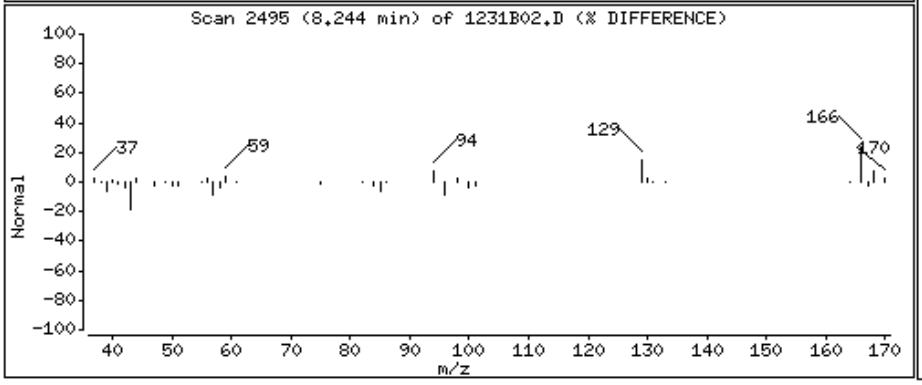












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

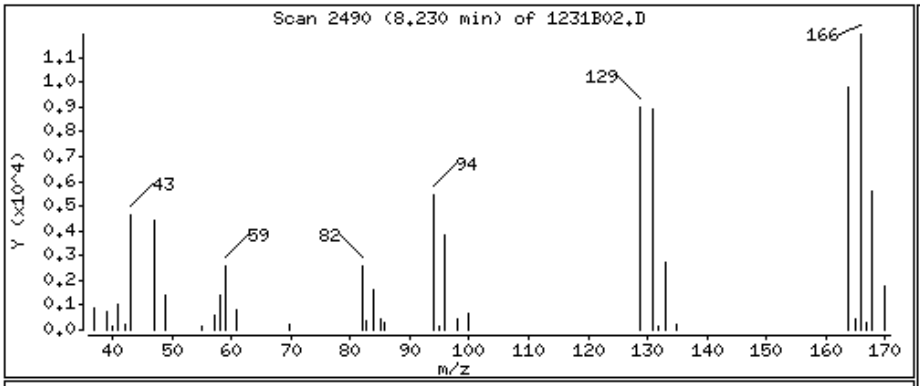
Operator: PD

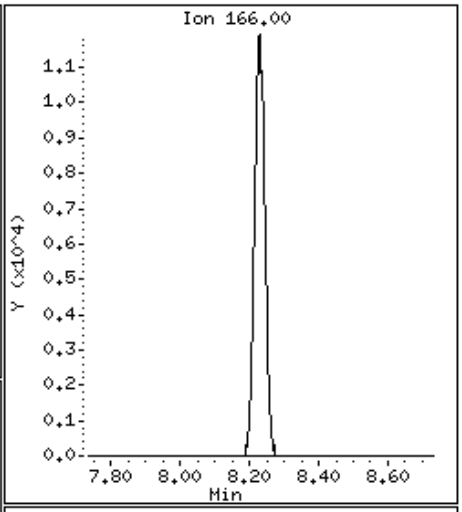
Column phase:

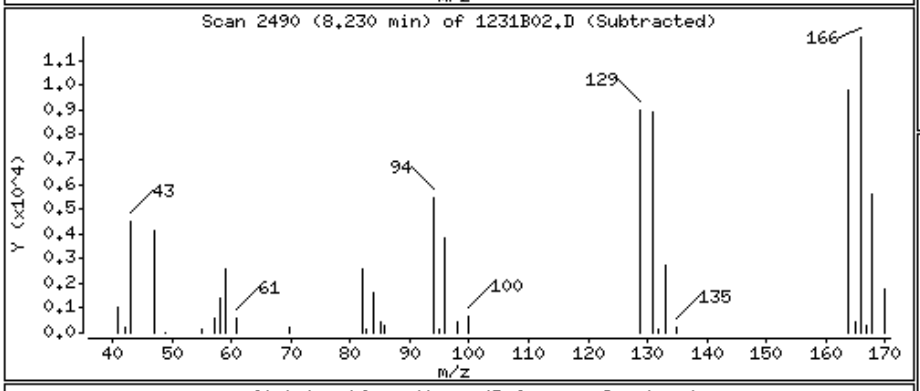
Column diameter: 0.18

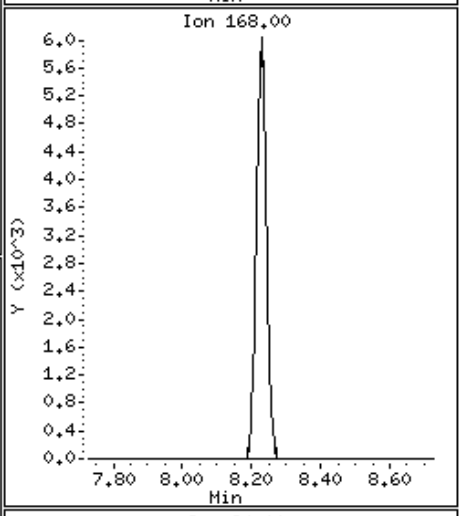
61 tetrachloroethene

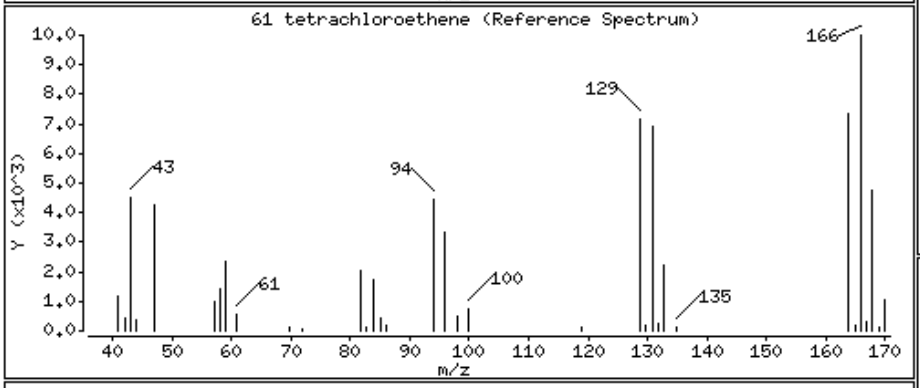
Concentration: 10.867 ngs

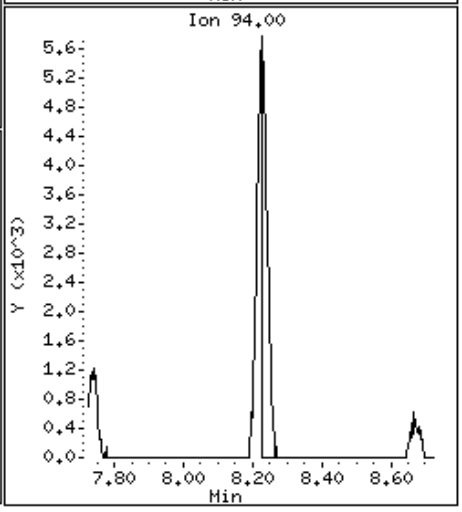


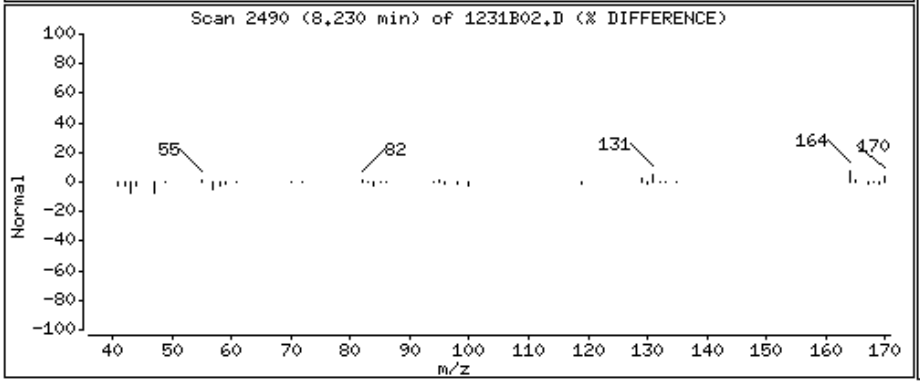












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

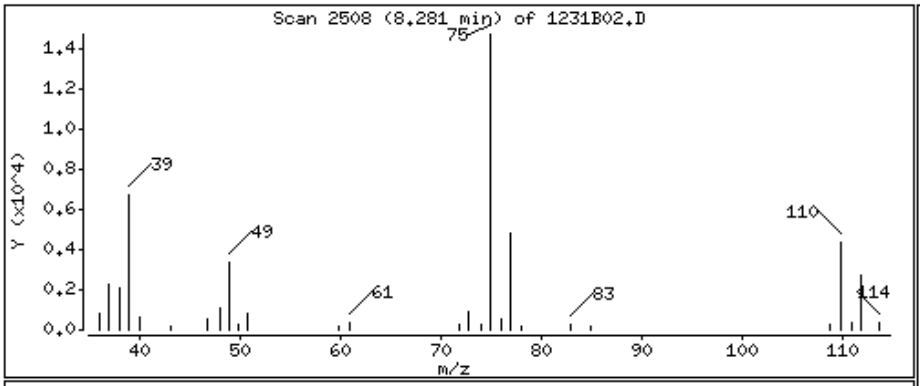
Operator: PD

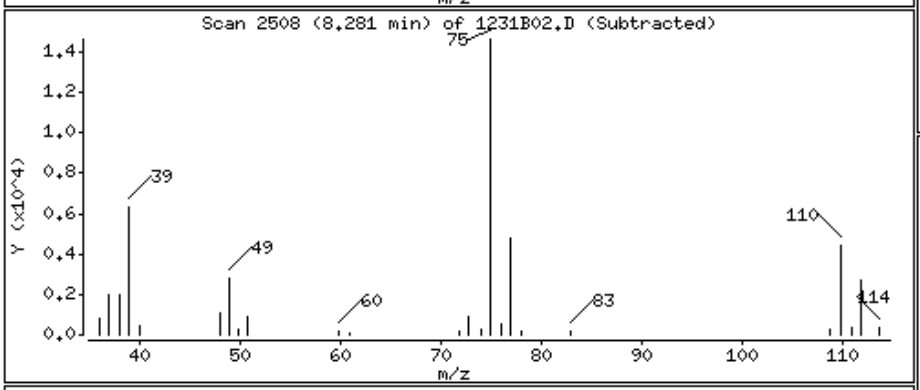
Column phase:

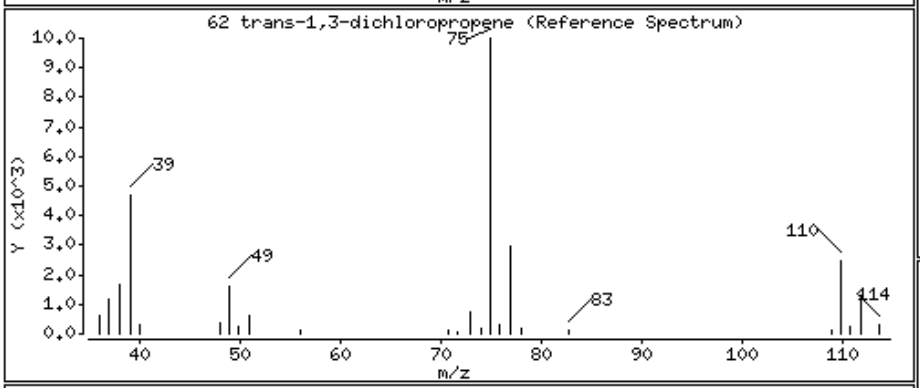
Column diameter: 0.18

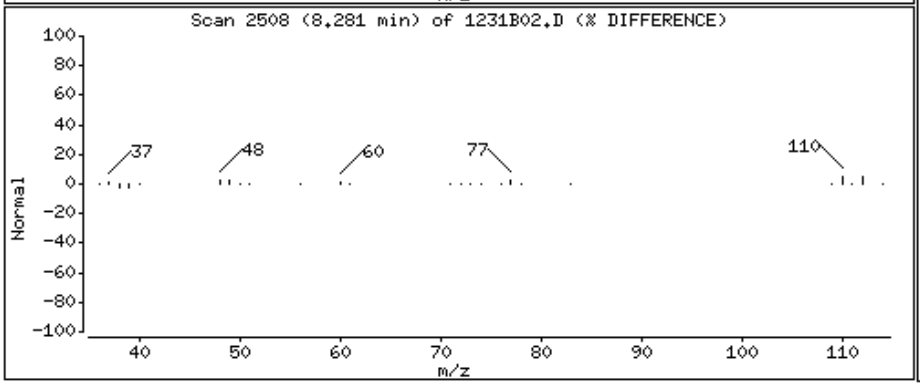
62 trans-1,3-dichloropropene

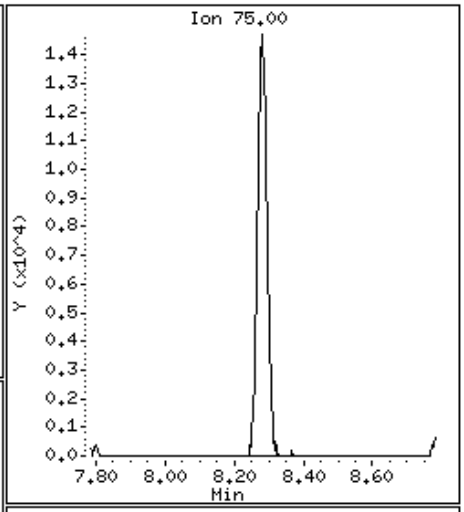
Concentration: 10.541 ngs

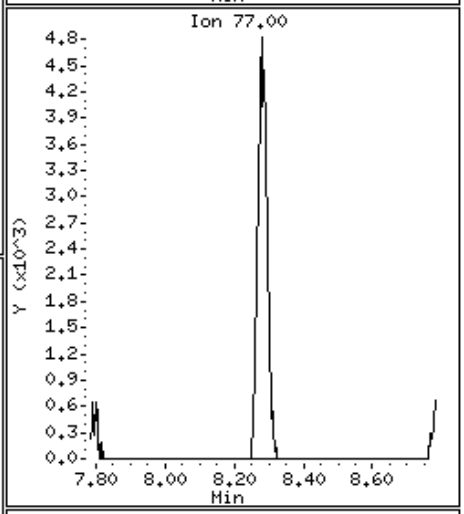


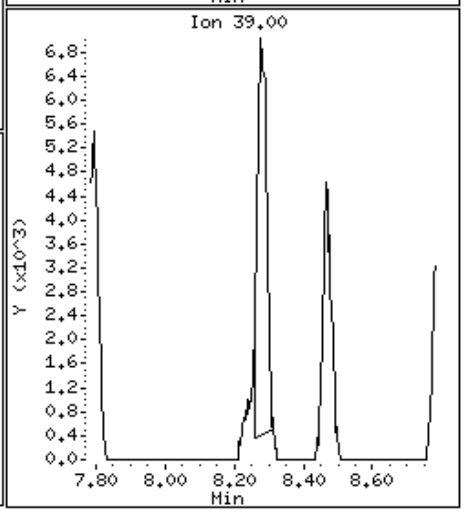












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

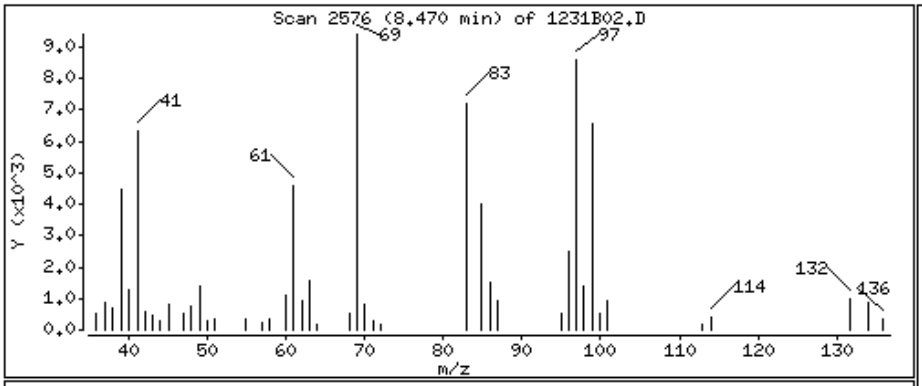
Operator: PD

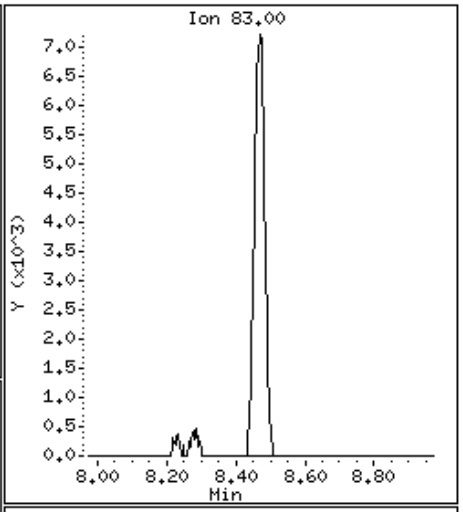
Column phase:

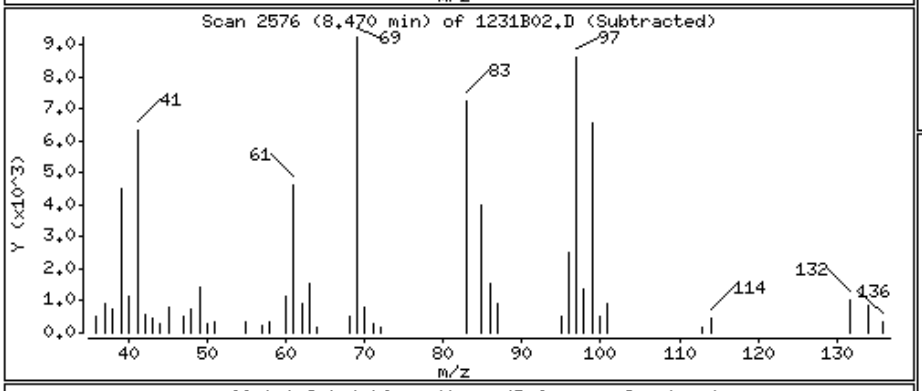
Column diameter: 0.18

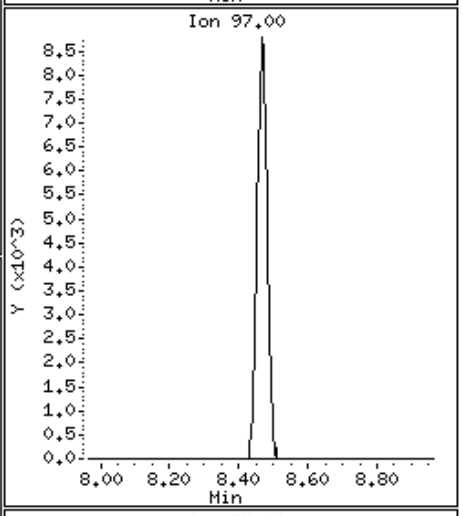
66 1,1,2-trichloroethane

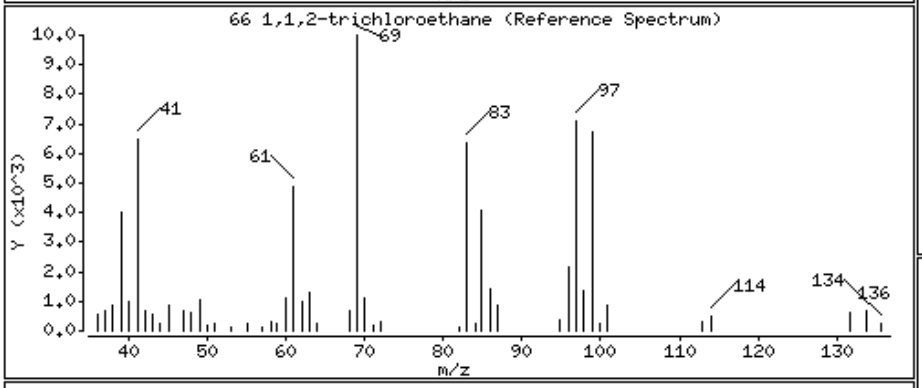
Concentration: 10.961 ngs

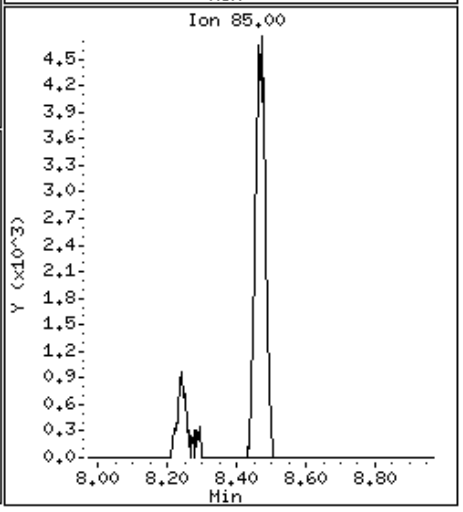


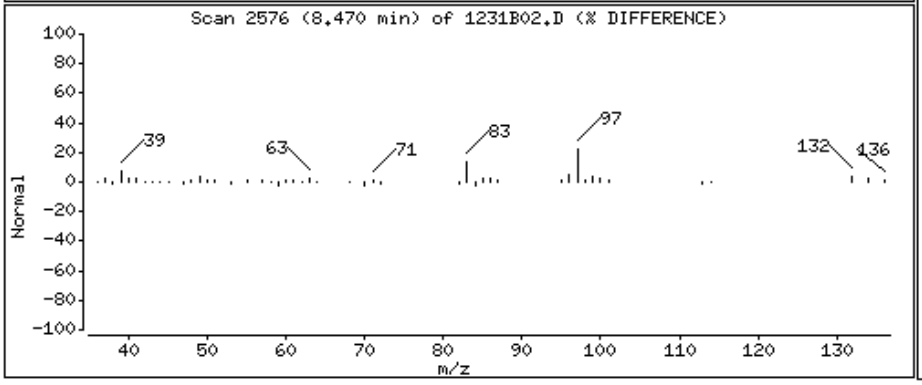












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

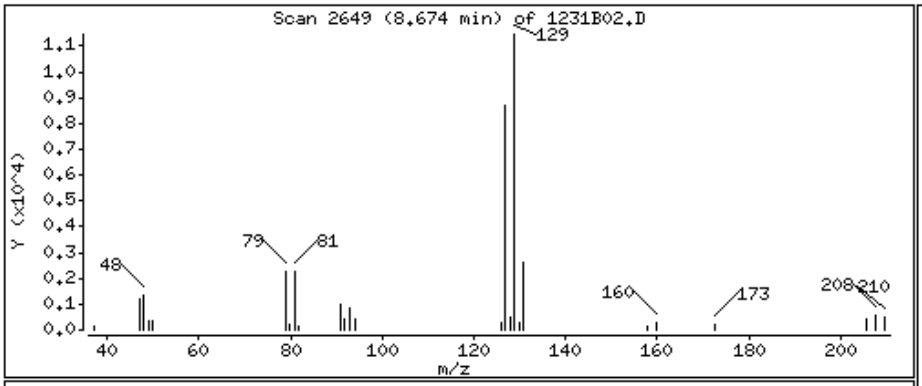
Operator: PD

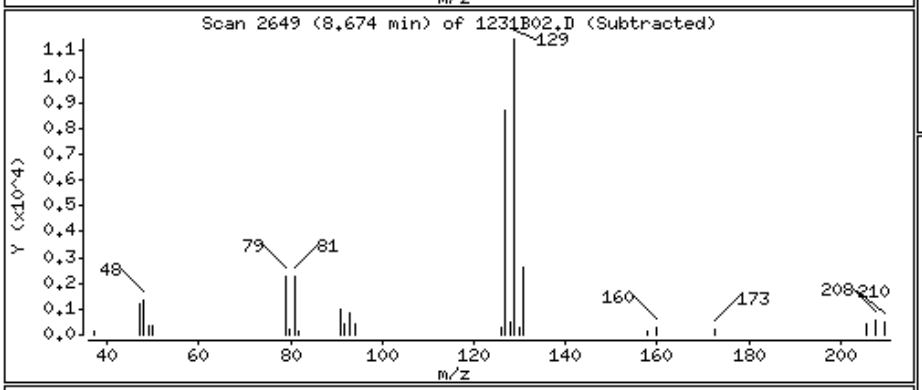
Column phase:

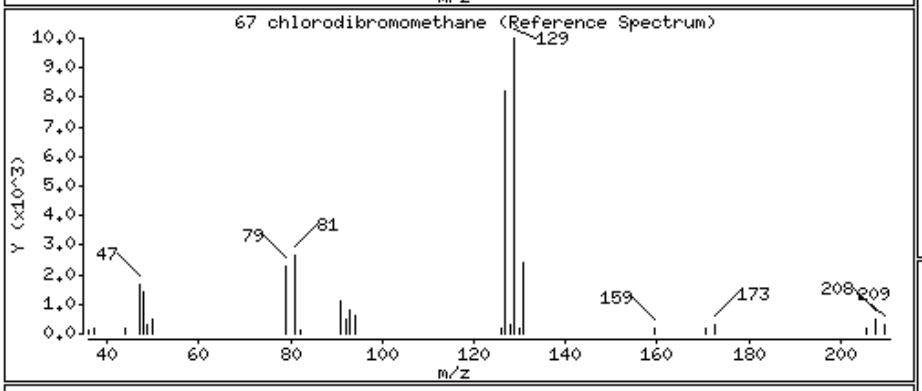
Column diameter: 0.18

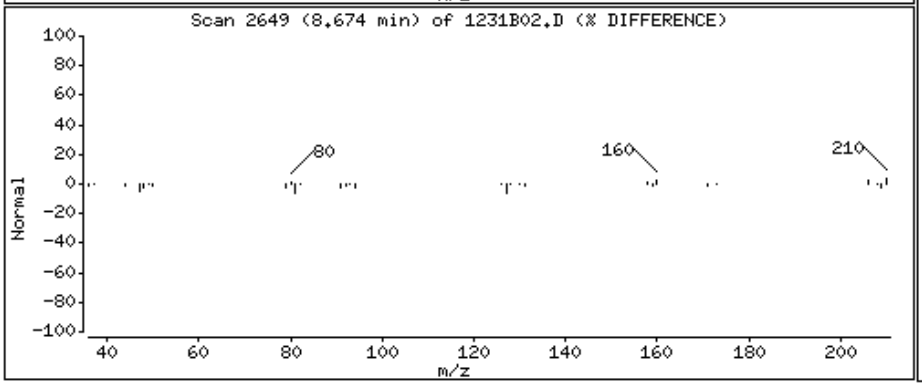
67 chlorodibromomethane

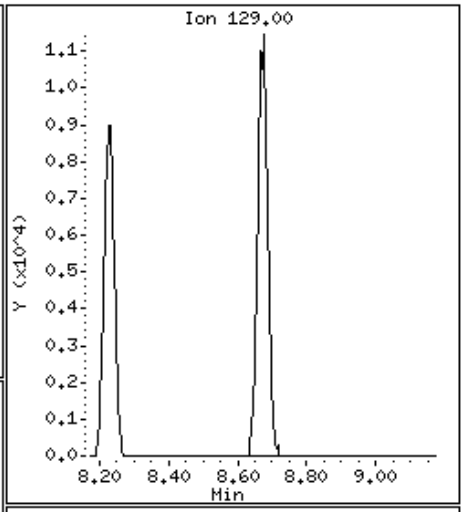
Concentration: 10.999 ngs

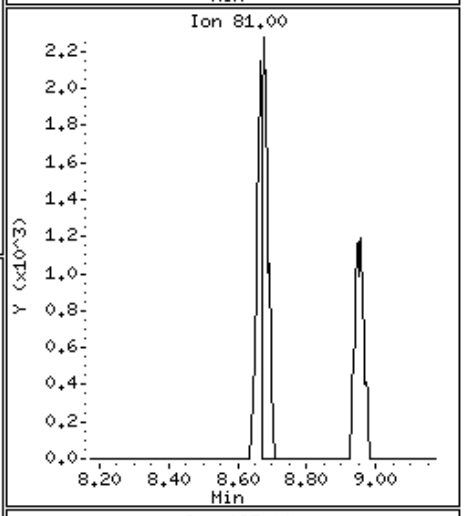


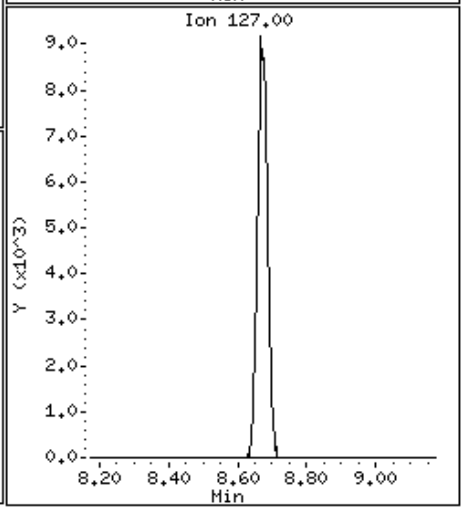












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

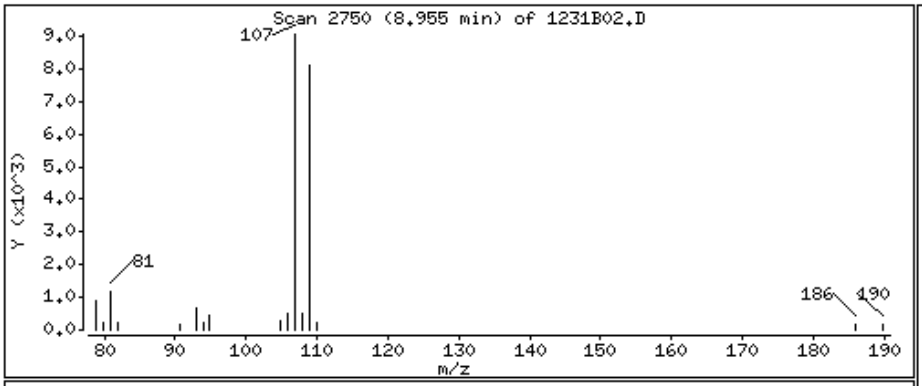
Operator: PD

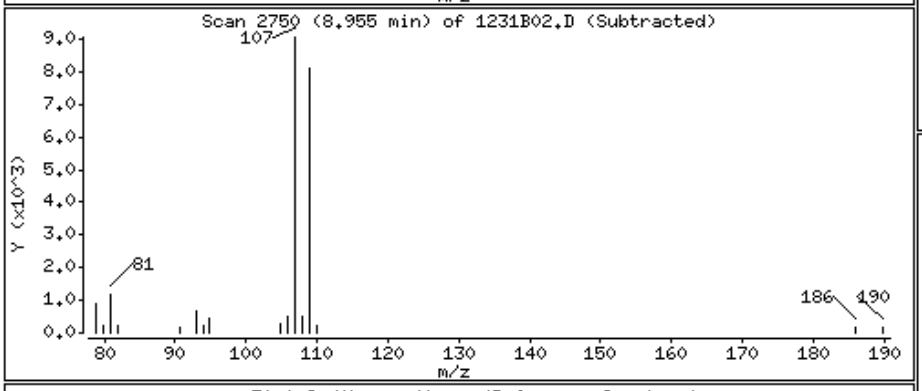
Column phase:

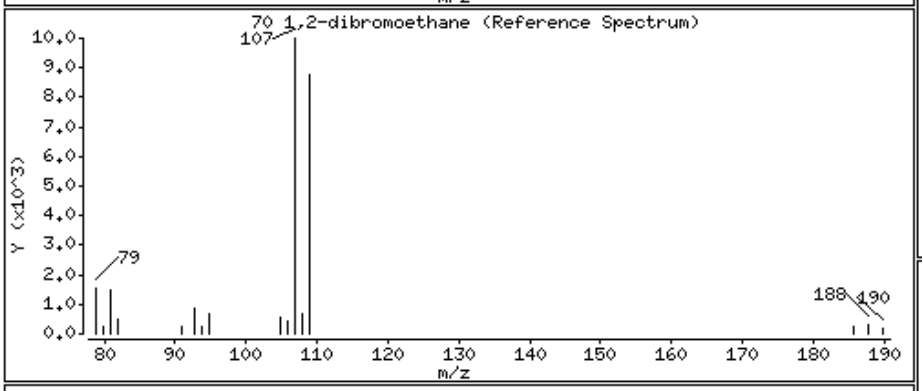
Column diameter: 0.18

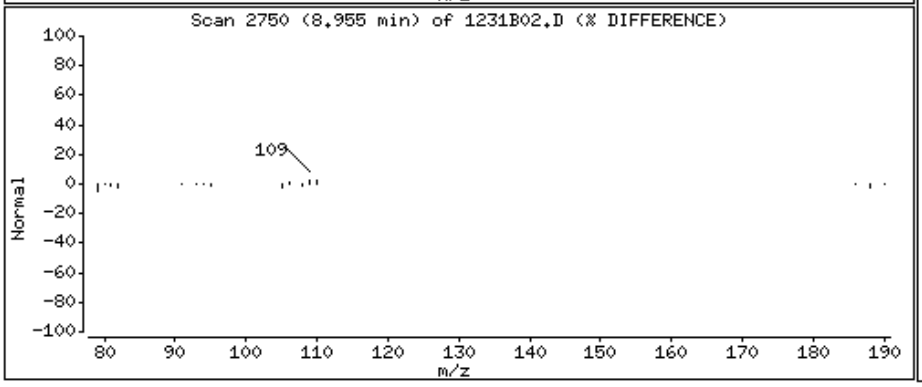
70 1,2-dibromoethane

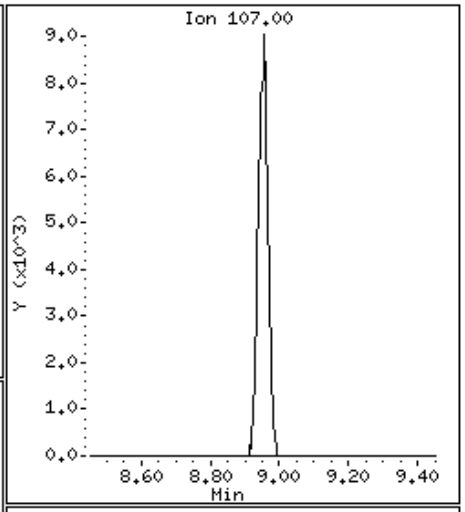
Concentration: 10.680 ngs

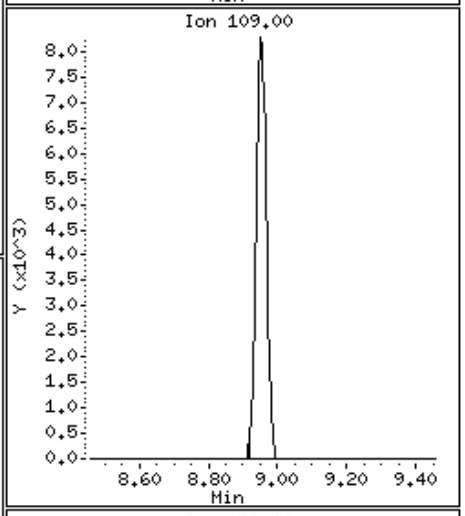


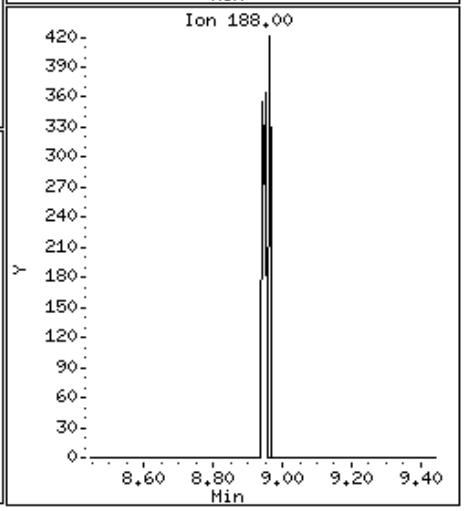












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

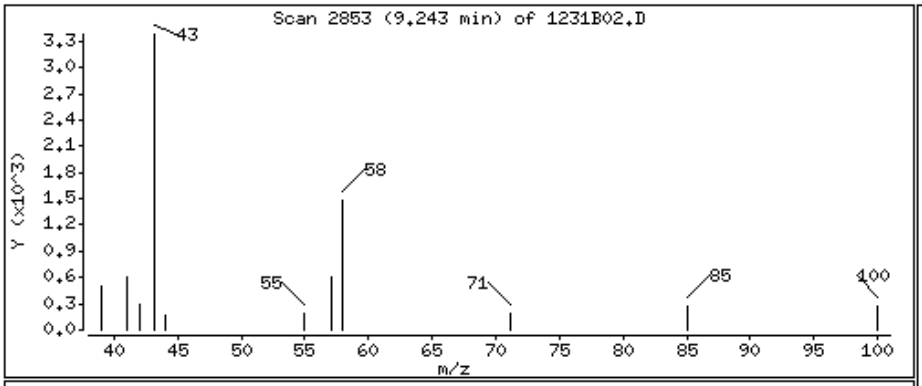
Operator: PD

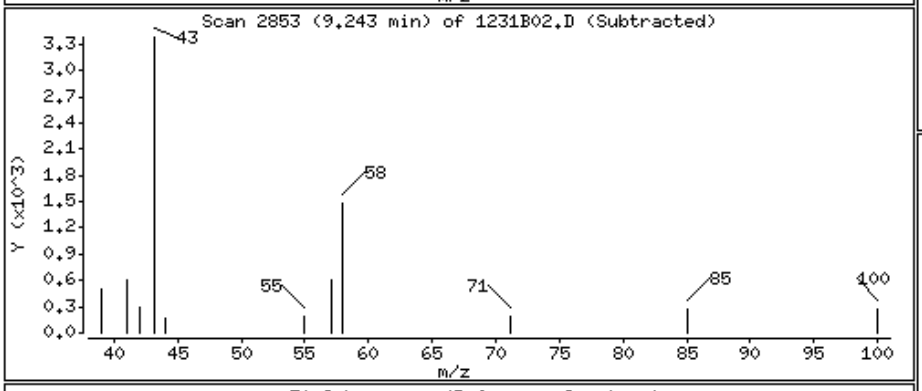
Column phase:

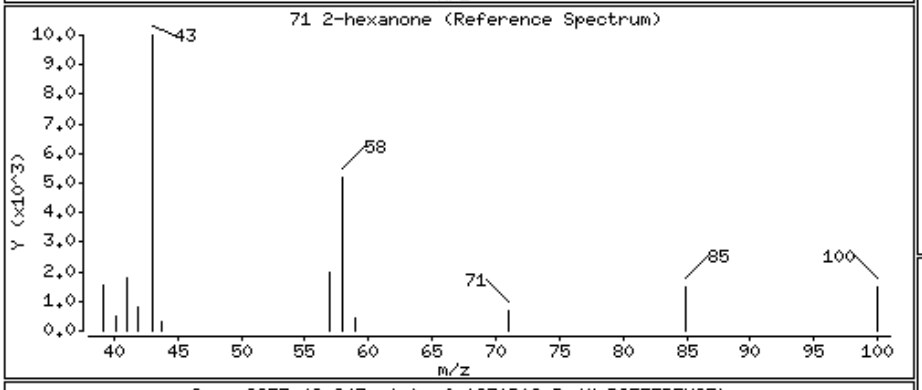
Column diameter: 0.18

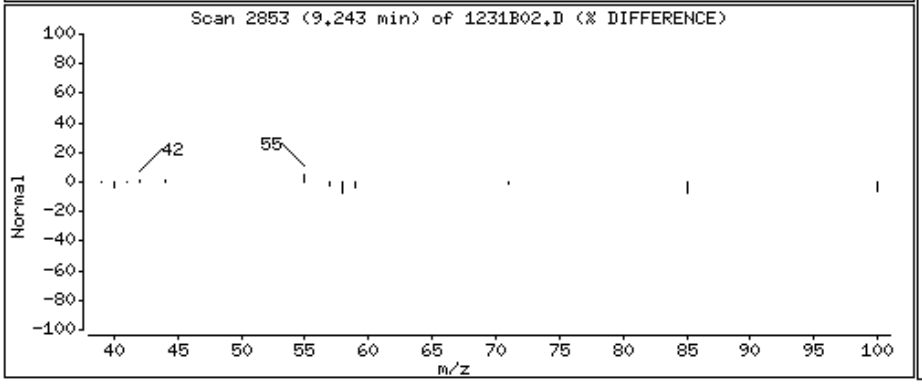
71 2-hexanone

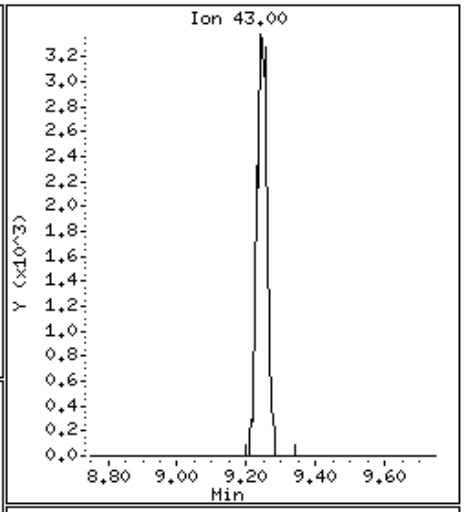
Concentration: 8.620 ngs

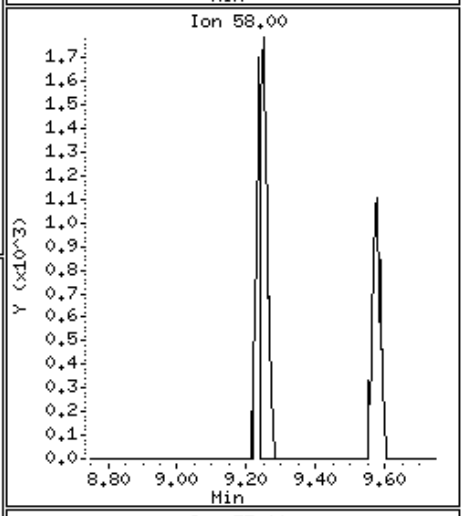


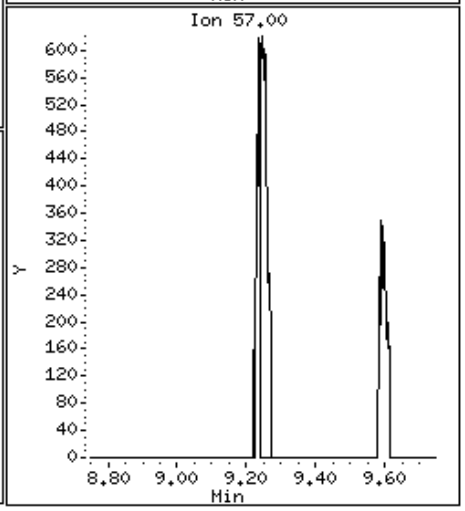












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

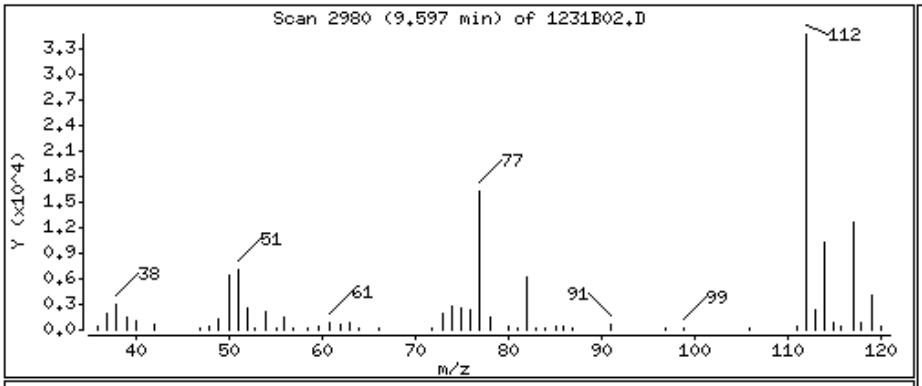
Operator: PD

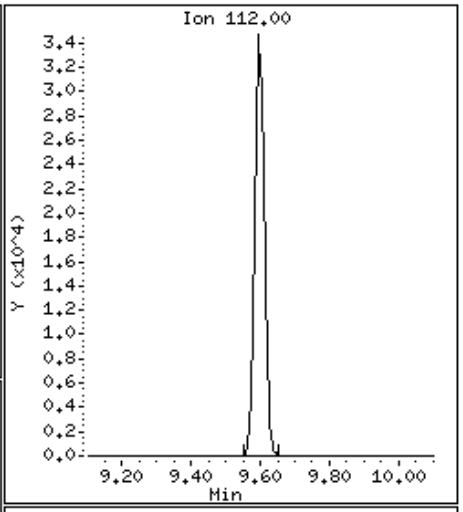
Column phase:

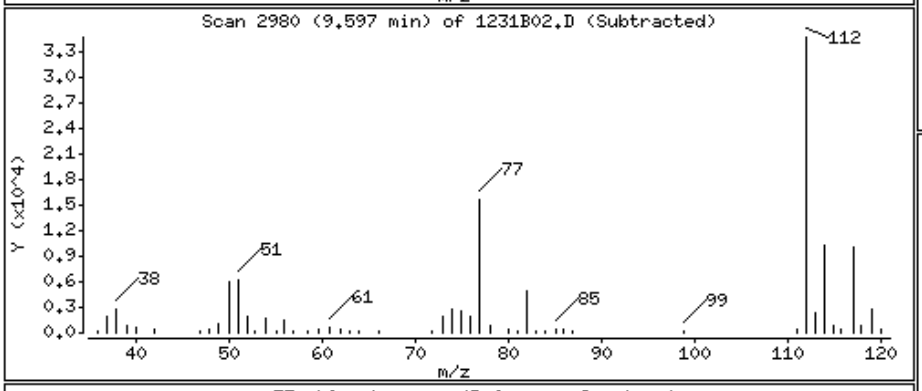
Column diameter: 0.18

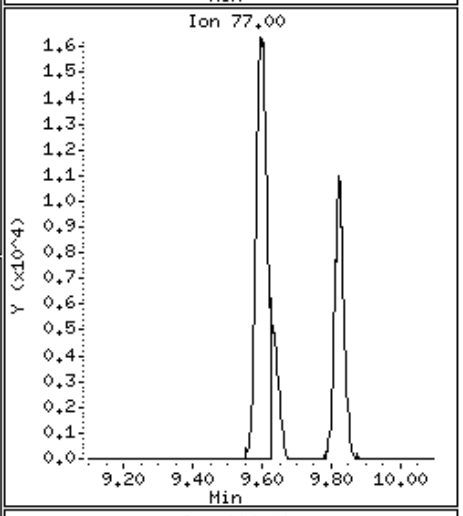
73 chlorobenzene

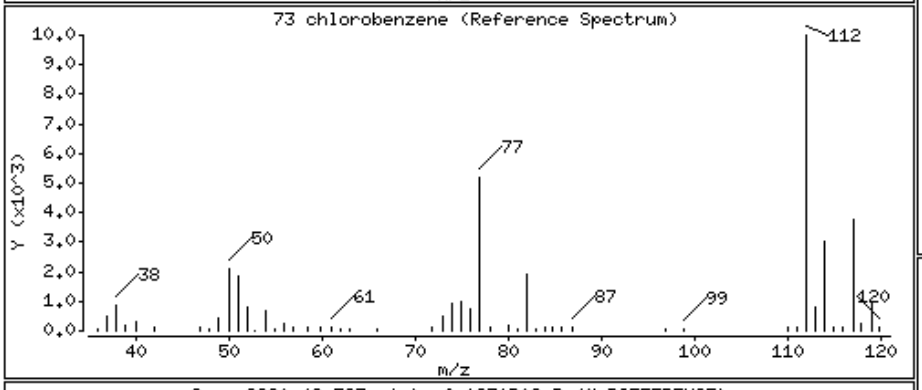
Concentration: 10.738 ngs

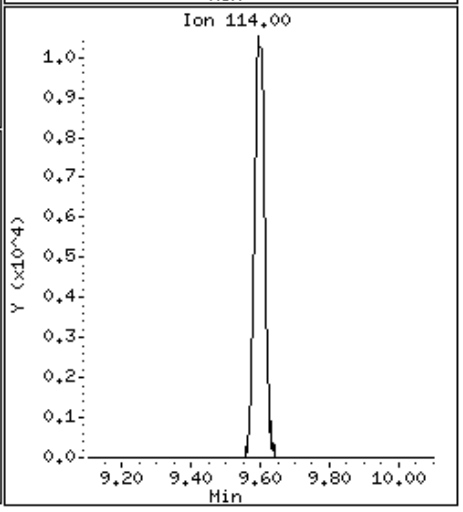


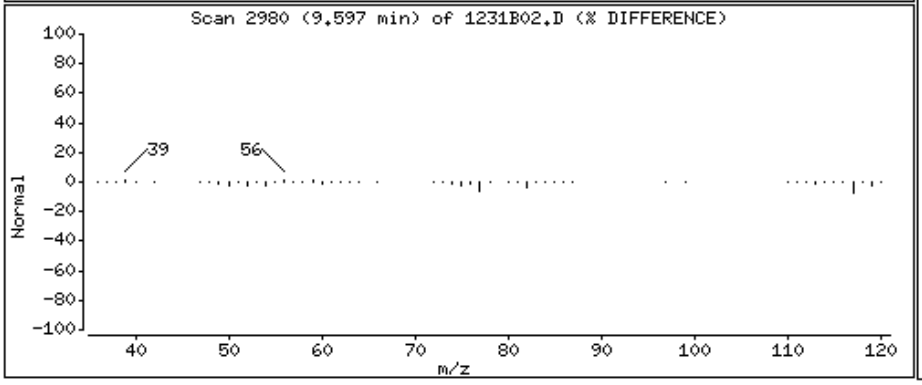












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

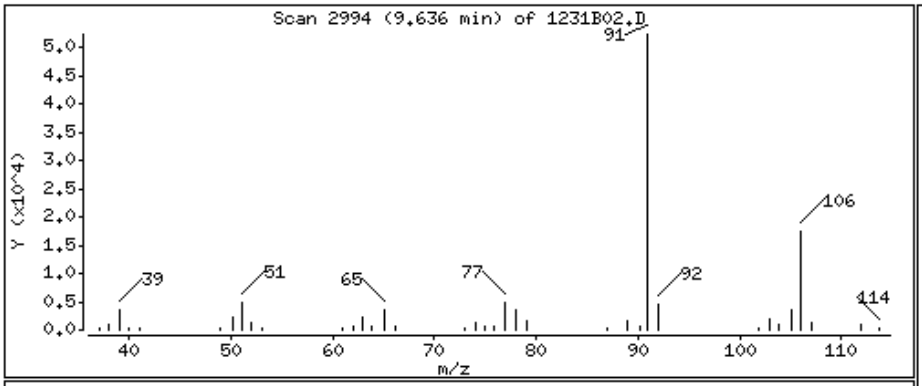
Operator: PD

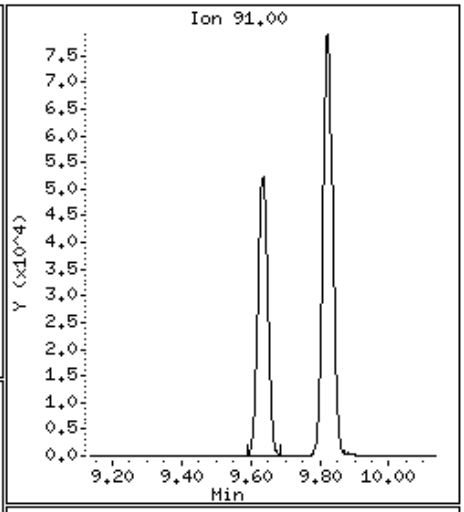
Column phase:

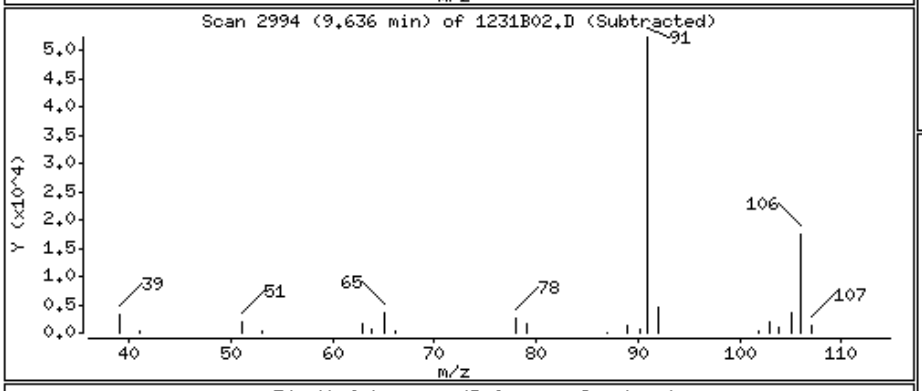
Column diameter: 0.18

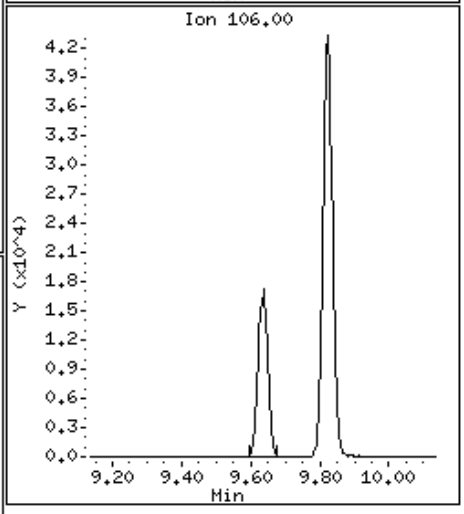
74 ethyl benzene

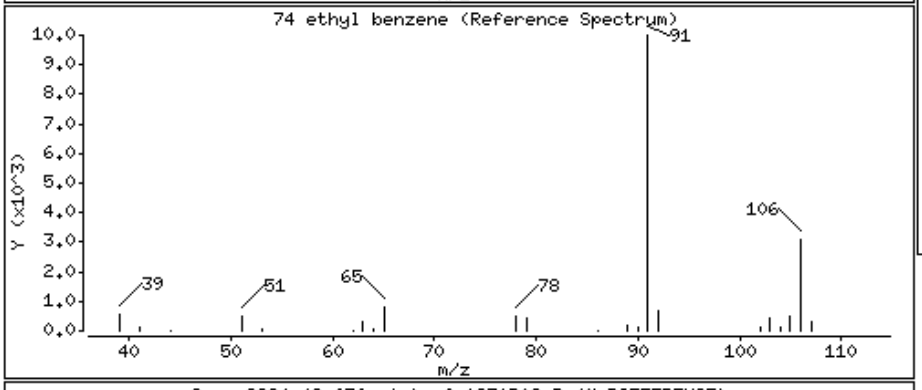
Concentration: 9.934 ngs

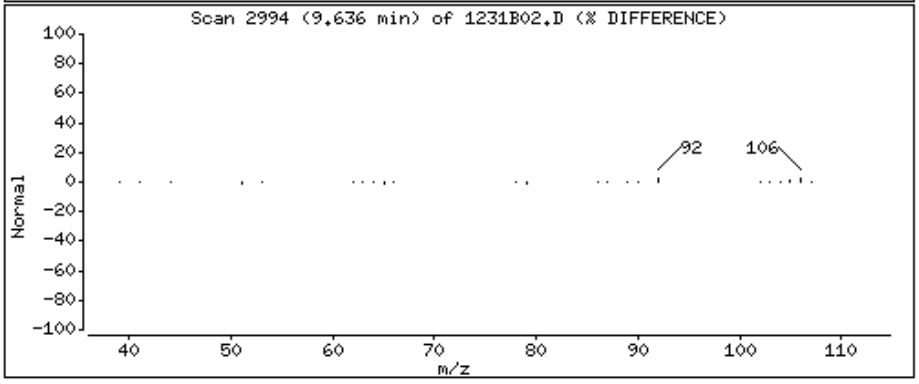












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

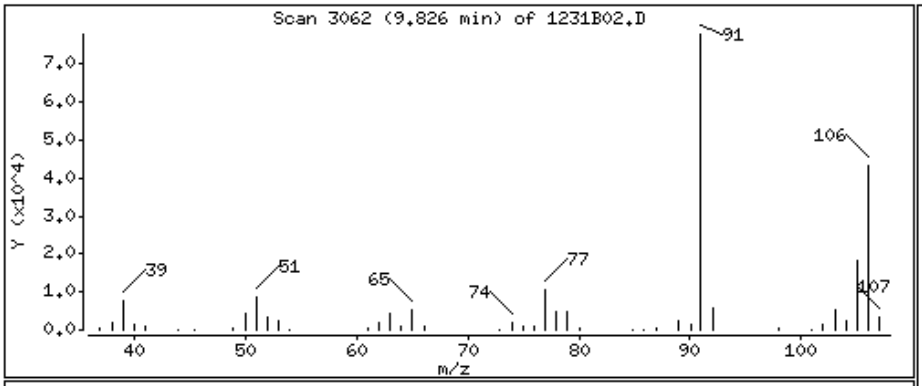
Operator: PD

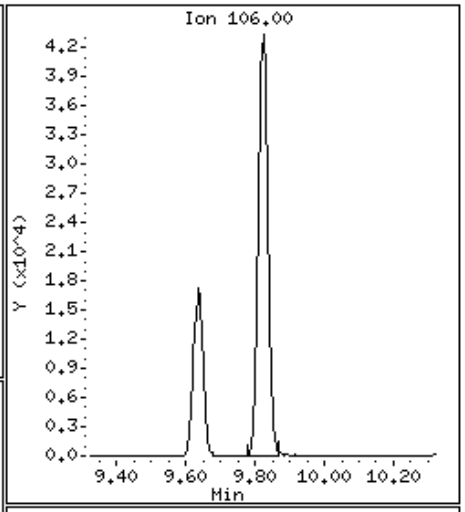
Column phase:

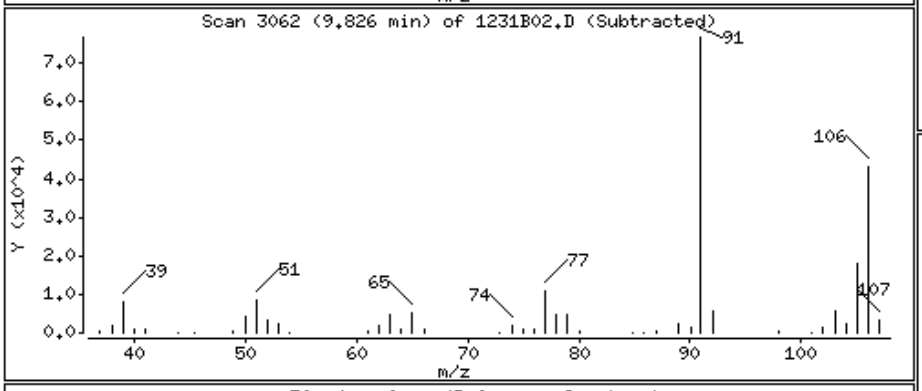
Column diameter: 0.18

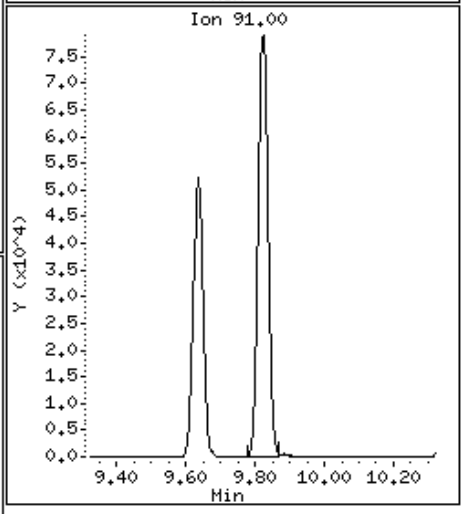
76 p/m xylene

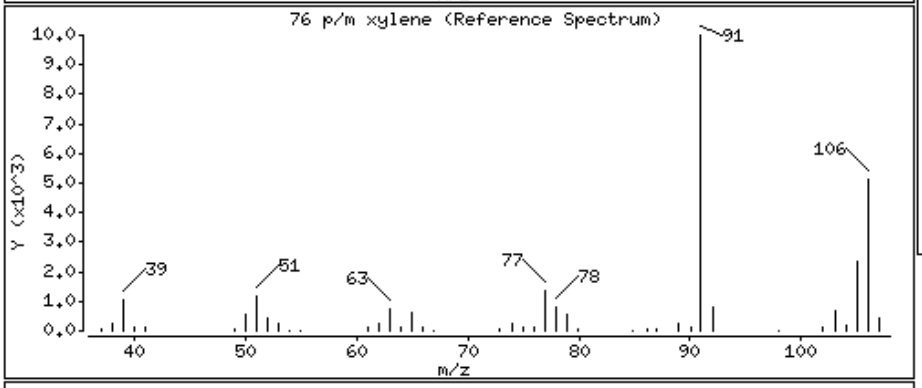
Concentration: 19.463 ngs

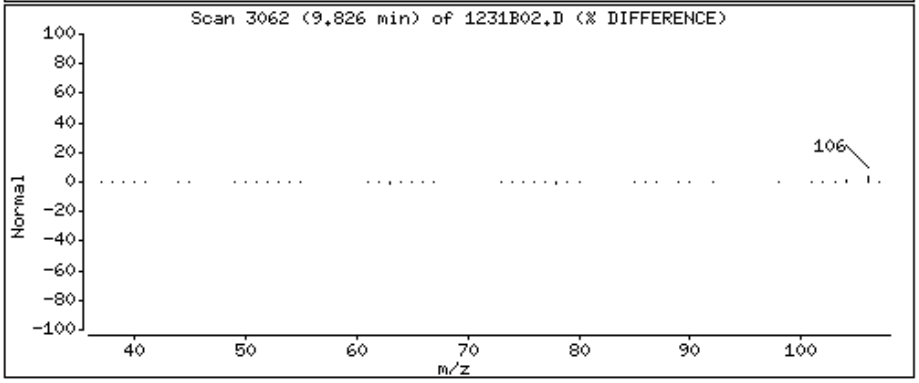












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

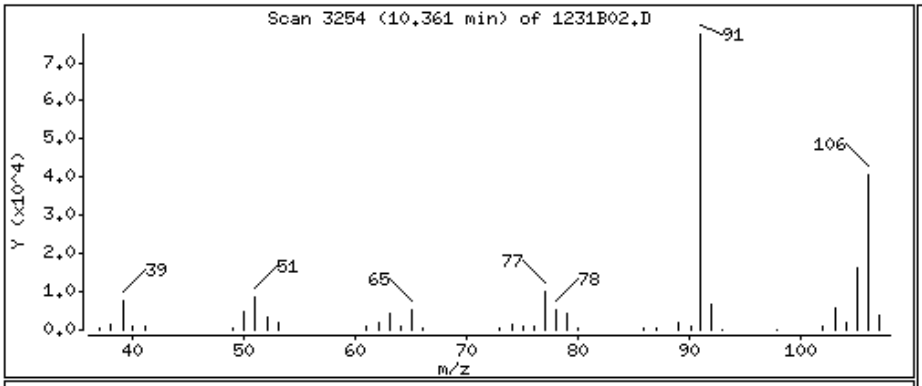
Operator: PD

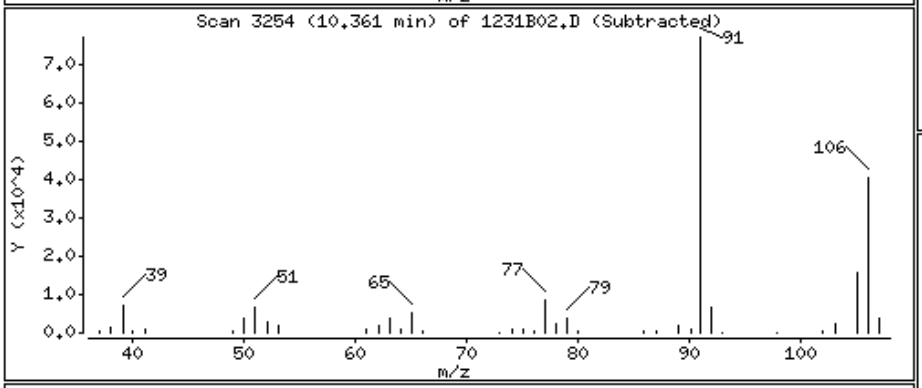
Column phase:

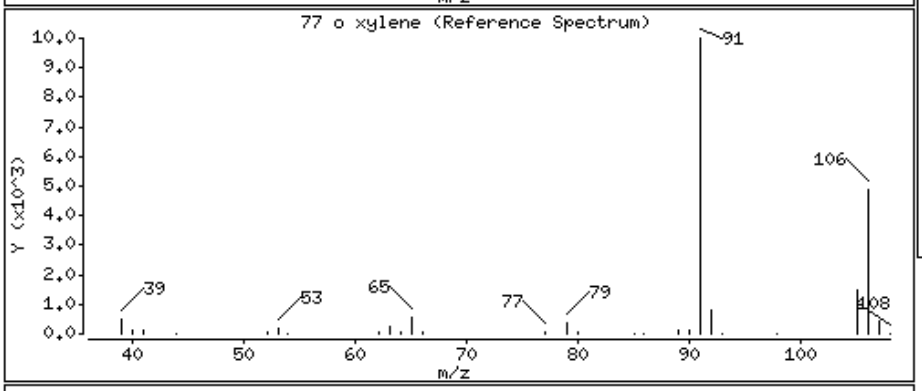
Column diameter: 0.18

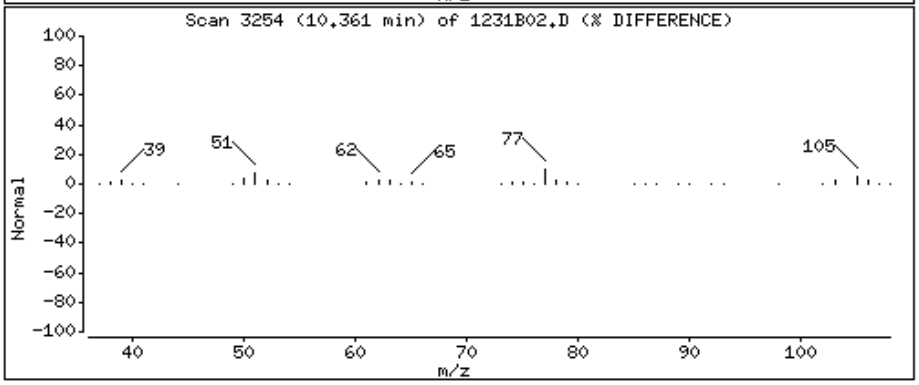
77 o xylene

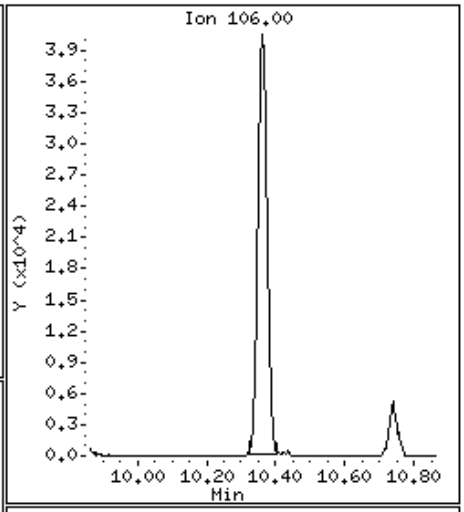
Concentration: 17.533 ngs

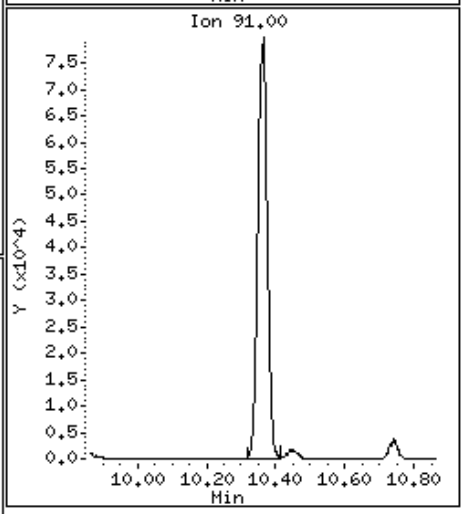












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

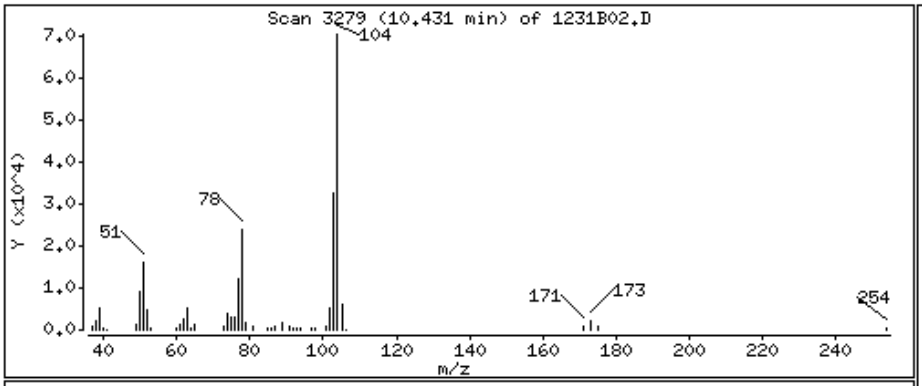
Operator: PD

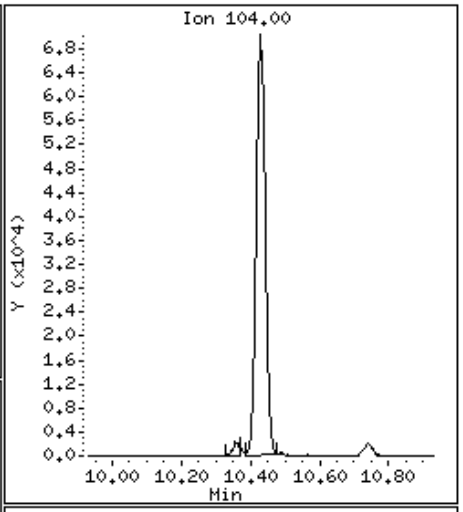
Column phase:

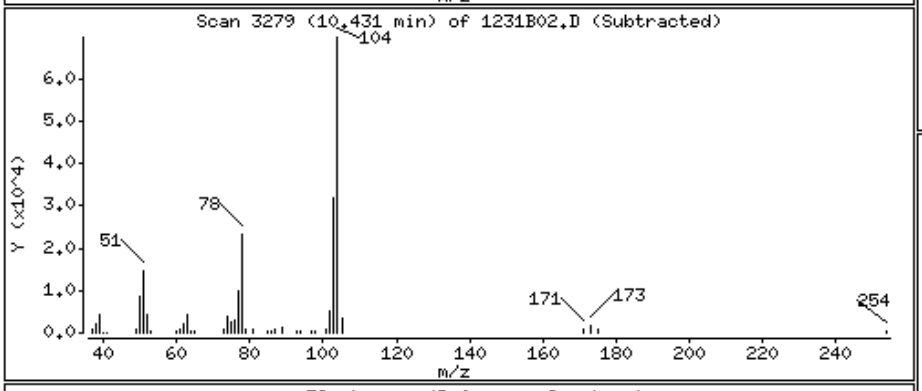
Column diameter: 0.18

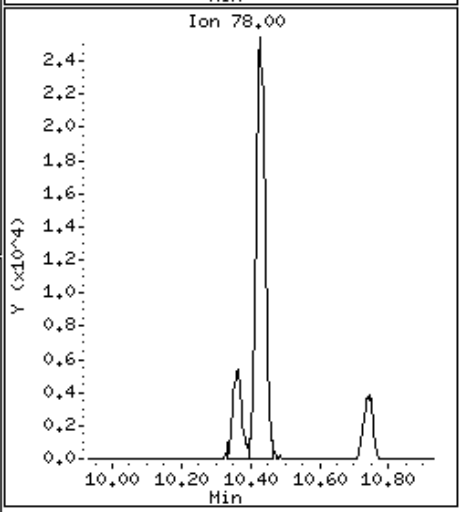
78 styrene

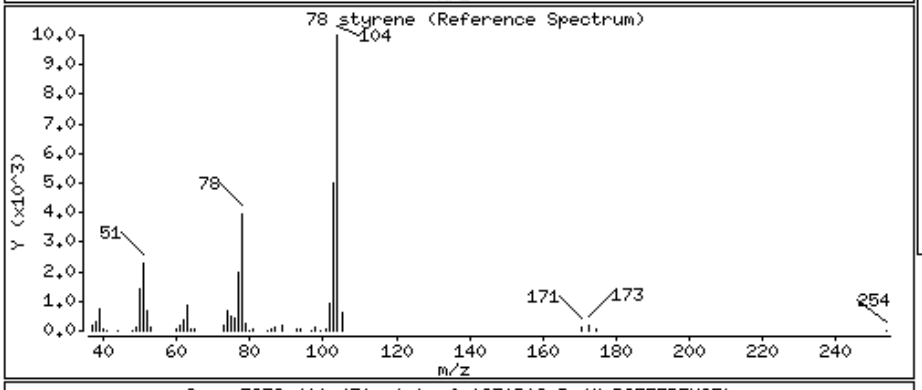
Concentration: 18.560 ngs

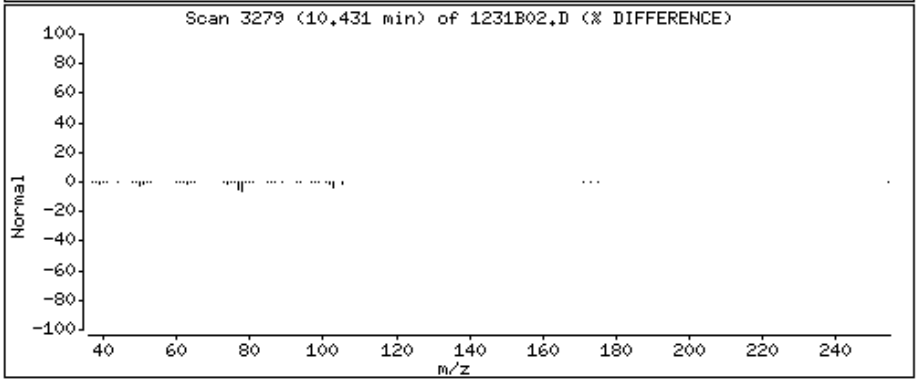












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

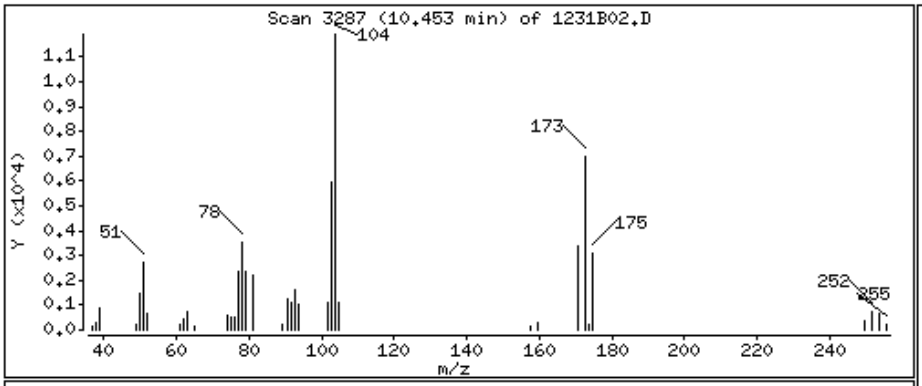
Operator: PD

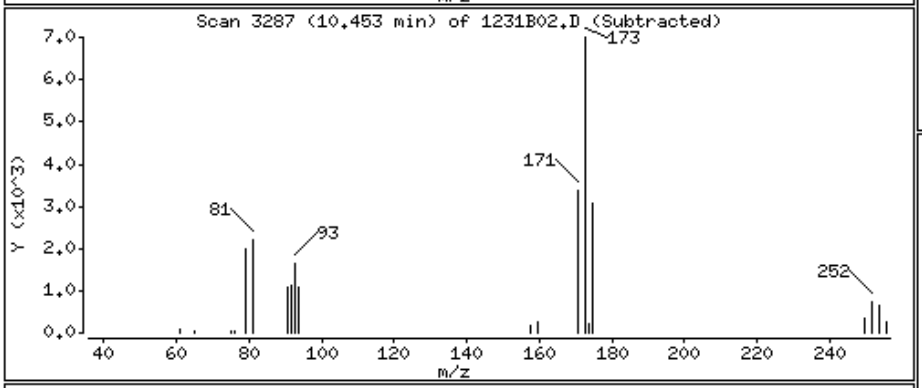
Column phase:

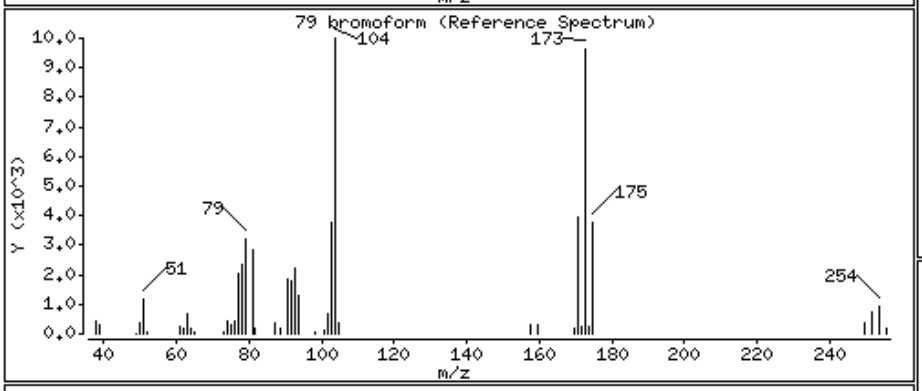
Column diameter: 0.18

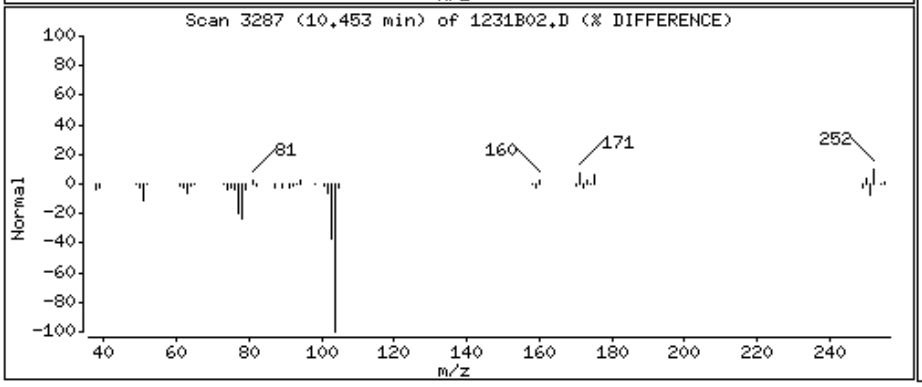
79 bromoform

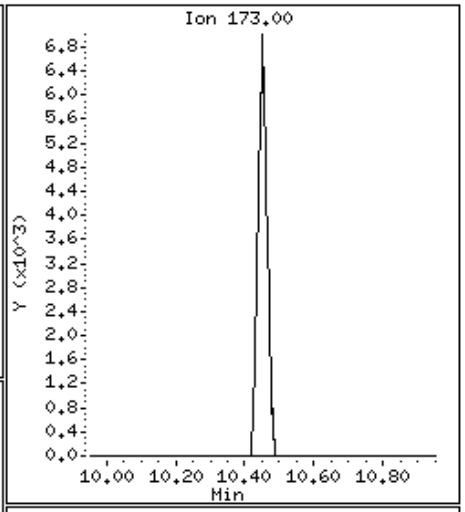
Concentration: 9.617 ngs

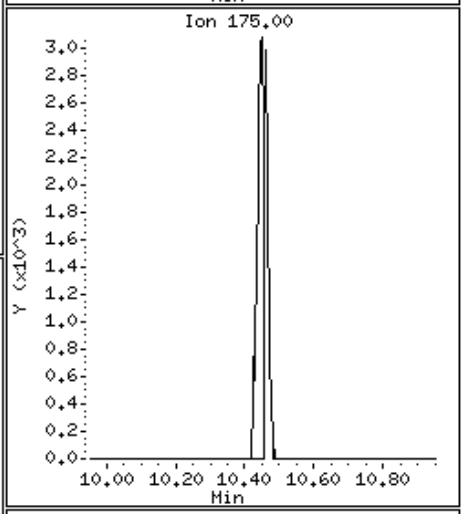


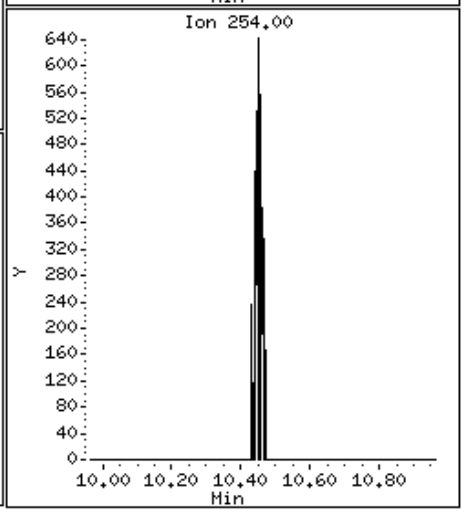












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

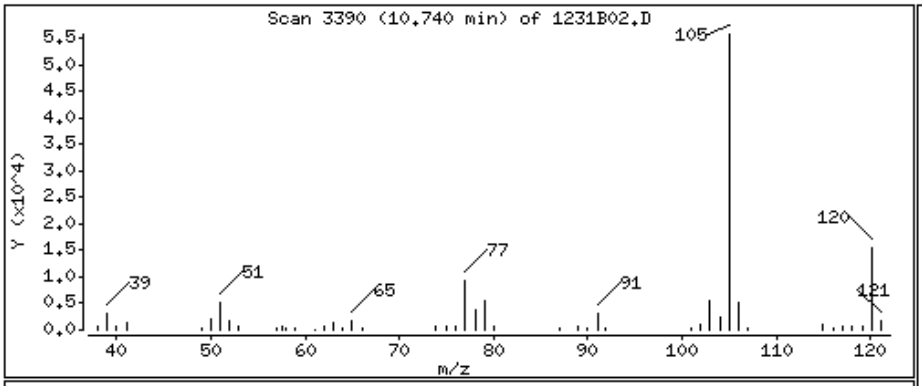
Operator: PD

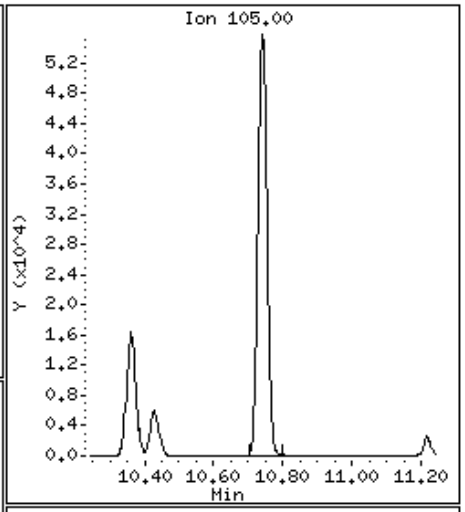
Column phase:

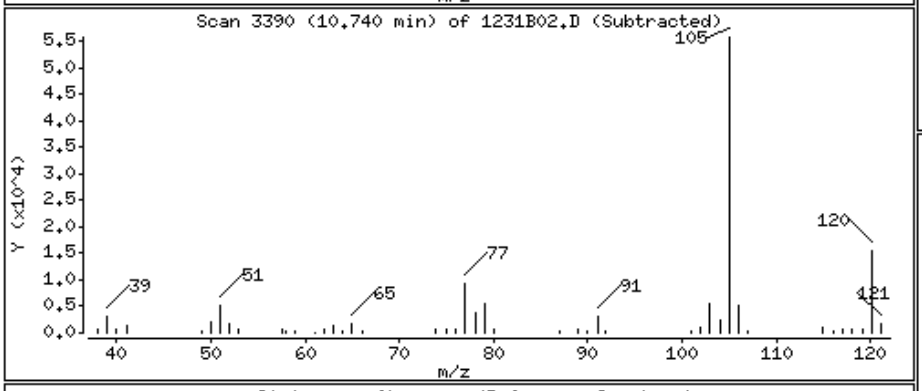
Column diameter: 0.18

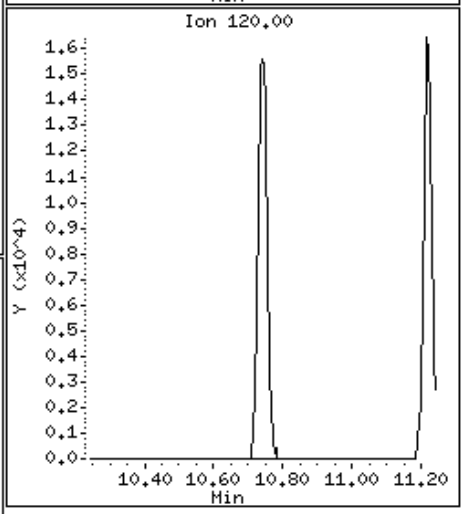
80 isopropylbenzene

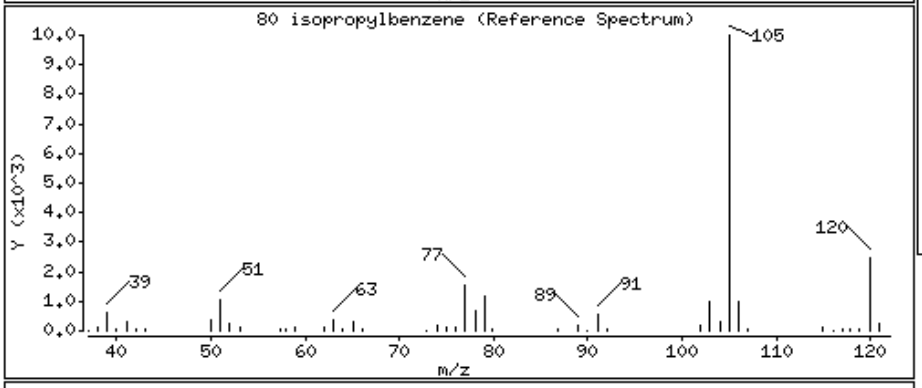
Concentration: 10.279 ngs

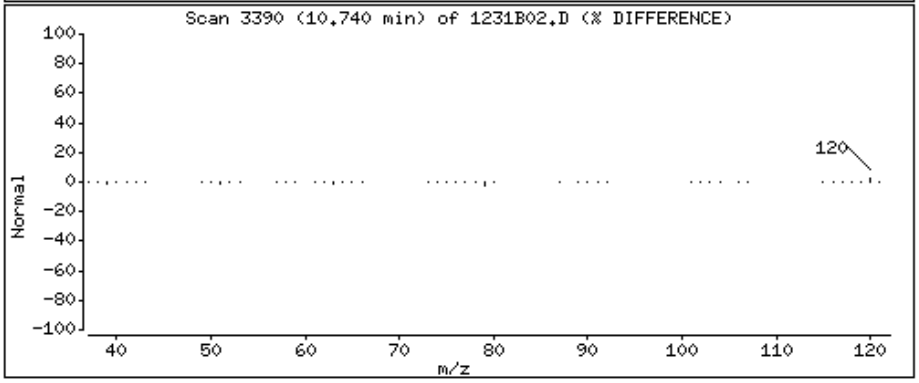












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

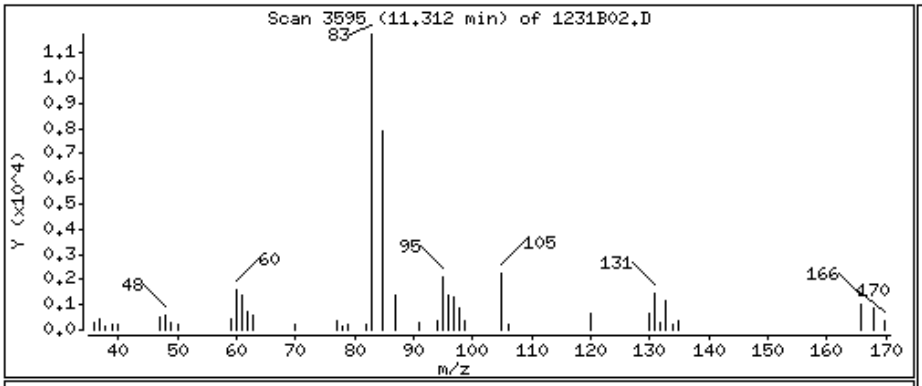
Operator: PD

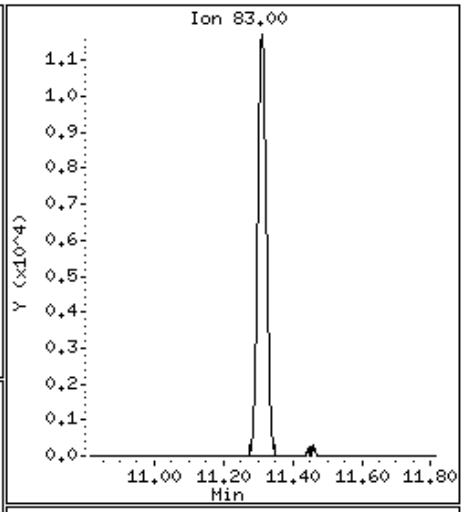
Column phase:

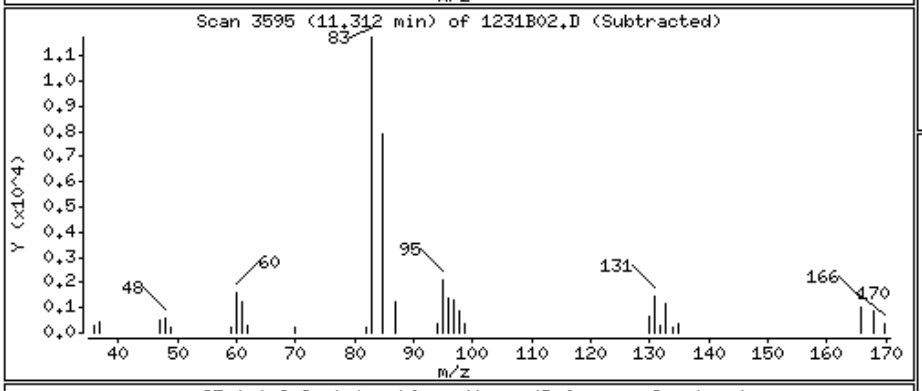
Column diameter: 0.18

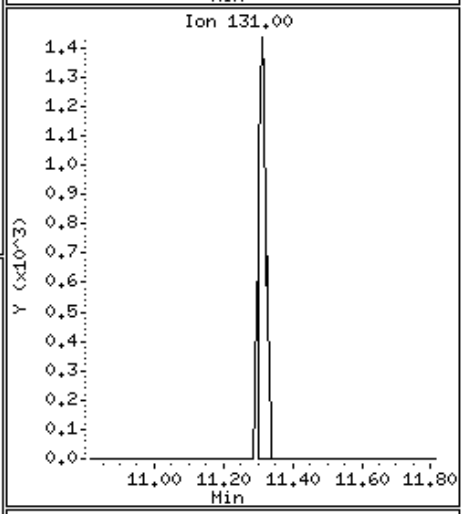
85 1,1,2,2,-tetrachloroethane

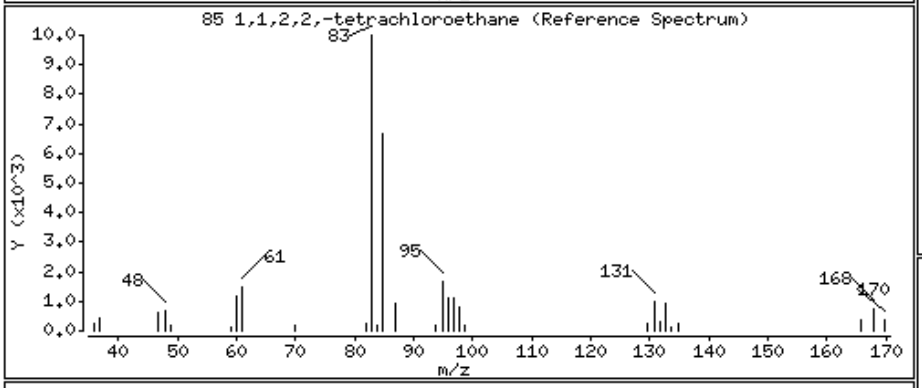
Concentration: 11.075 ngs

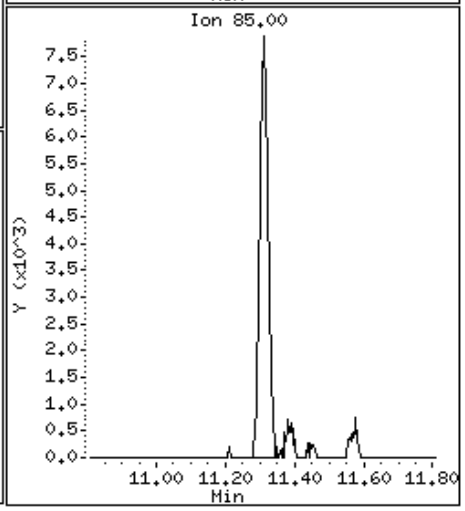


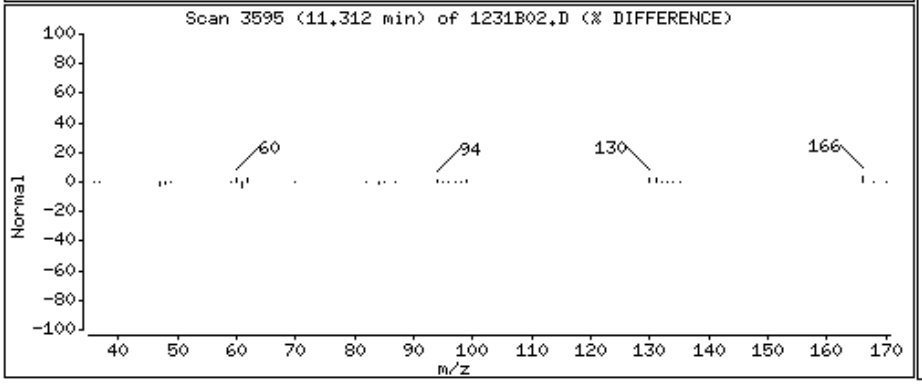












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

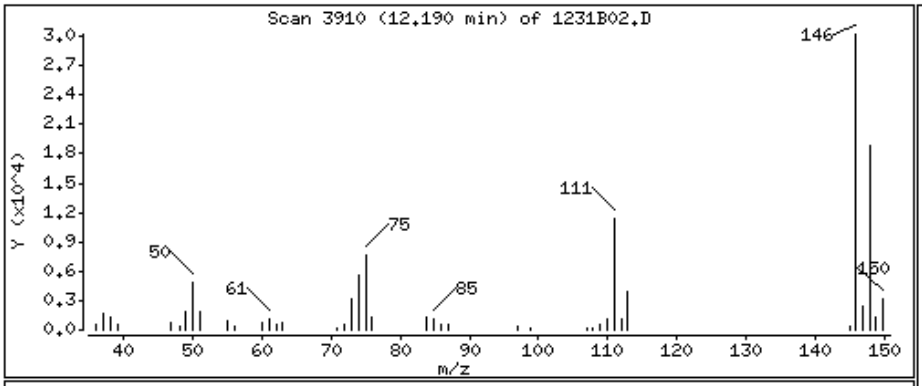
Operator: PD

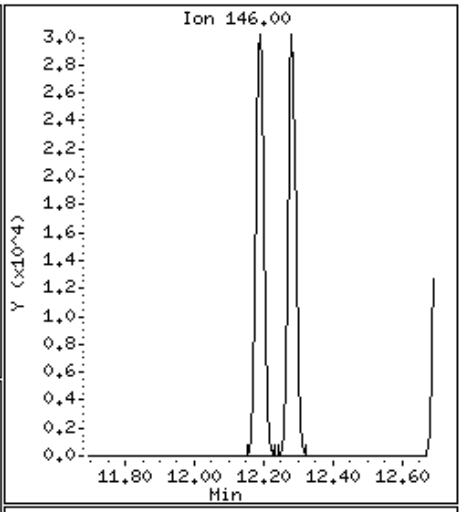
Column phase:

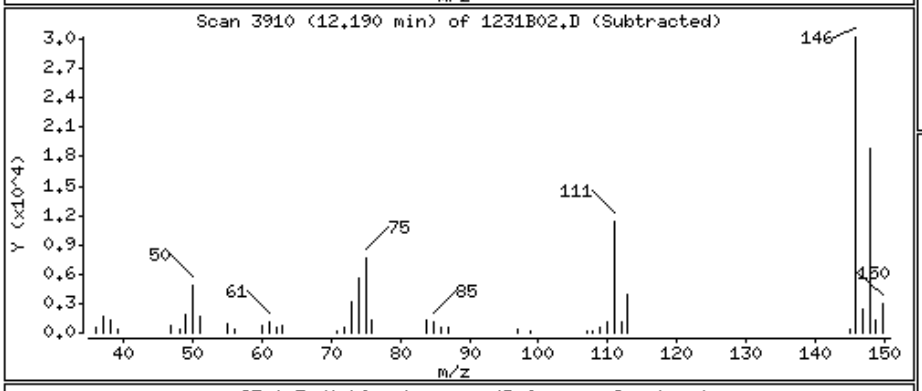
Column diameter: 0.18

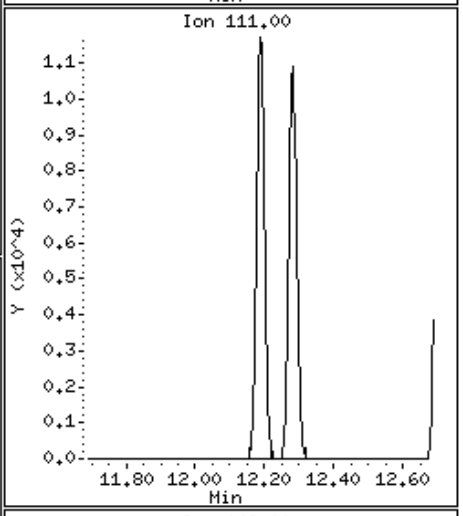
97 1,3-dichlorobenzene

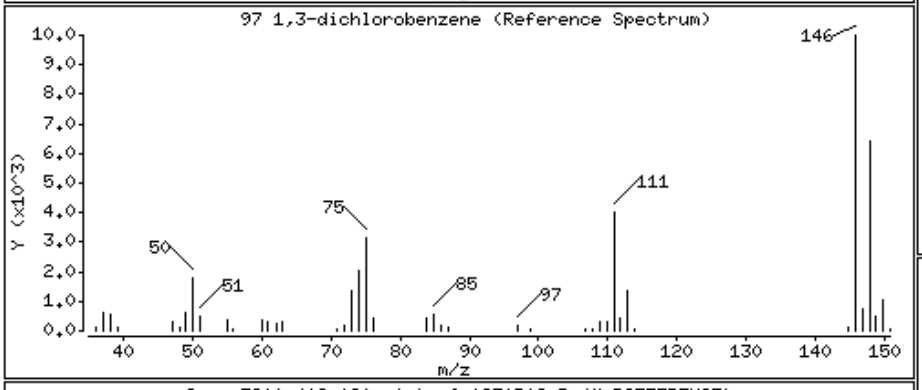
Concentration: 10.523 ngs

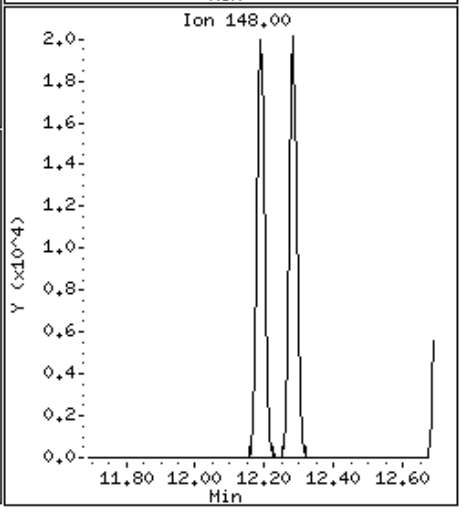


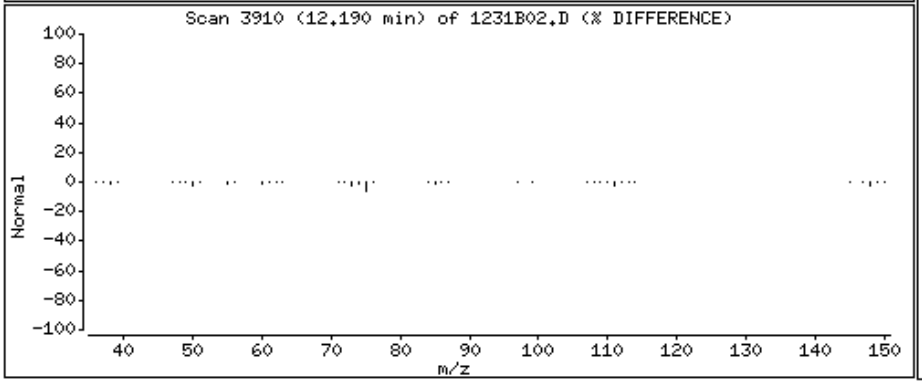












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

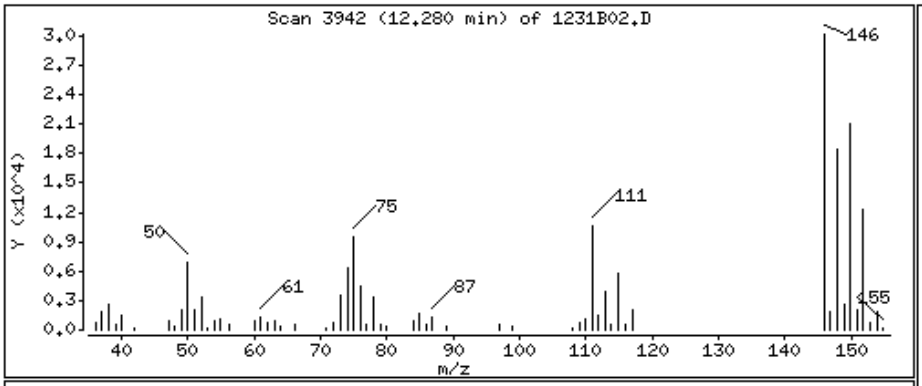
Operator: PD

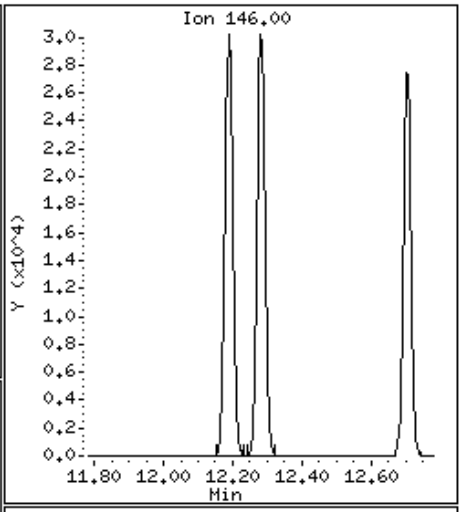
Column phase:

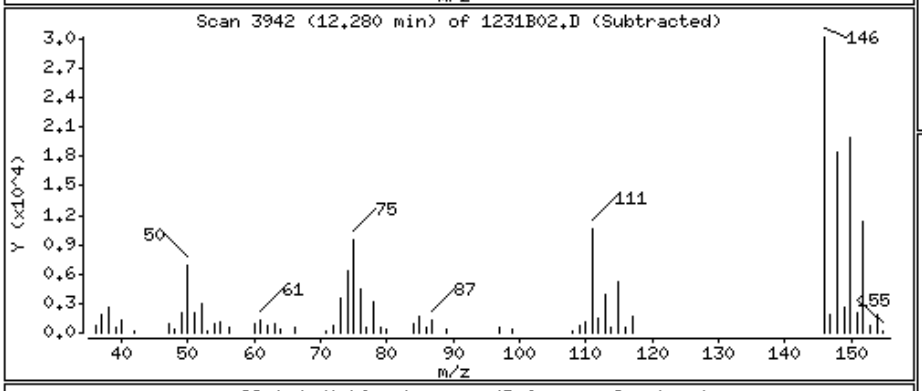
Column diameter: 0.18

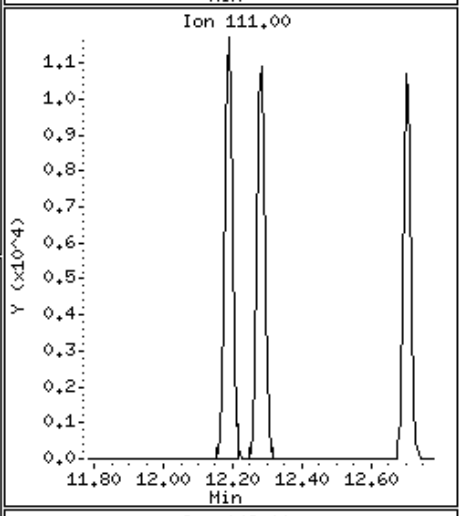
99 1,4-dichlorobenzene

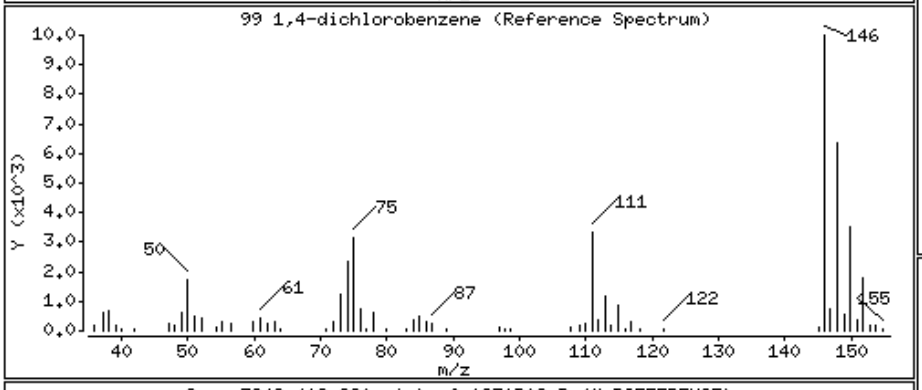
Concentration: 10.218 ngs

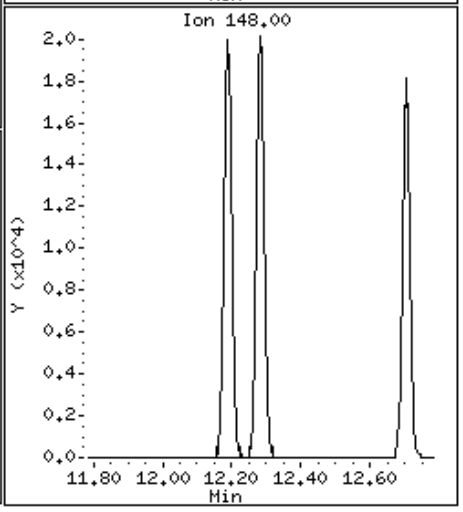


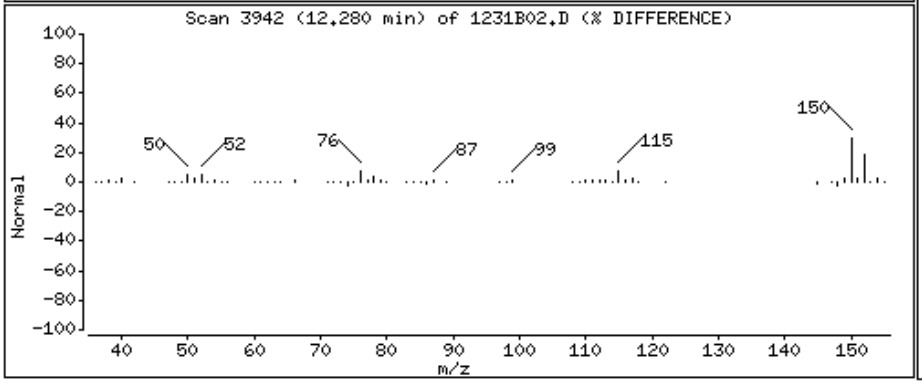












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Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

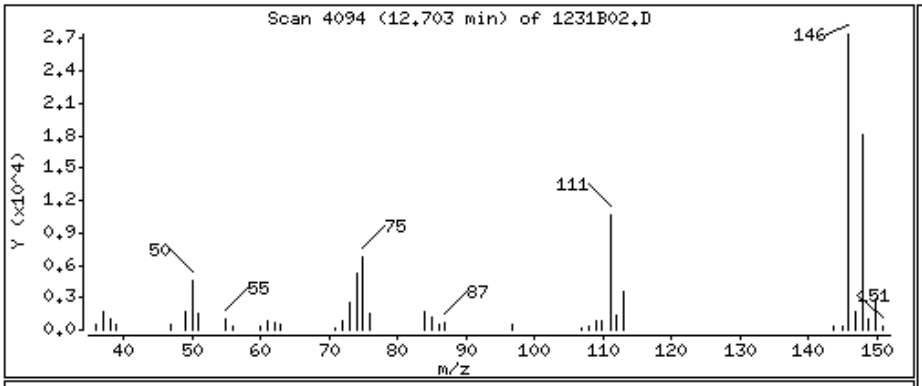
Operator: PD

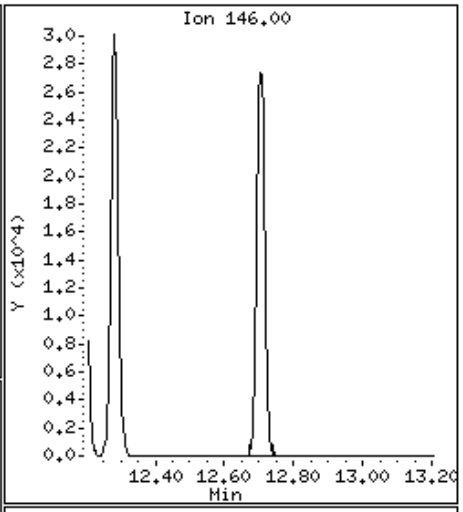
Column phase:

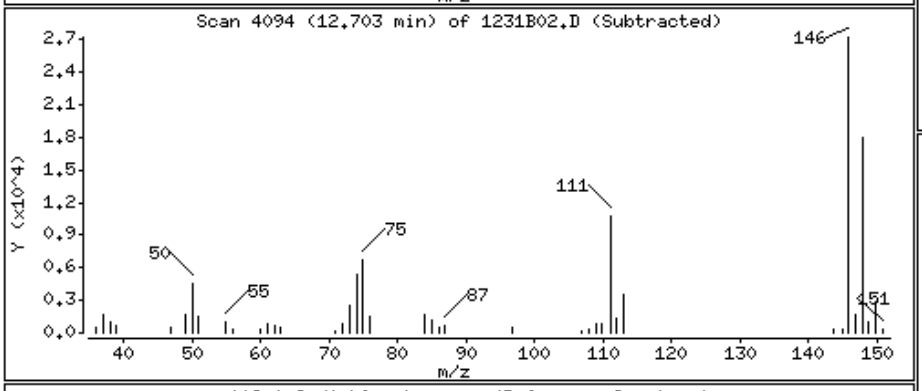
Column diameter: 0.18

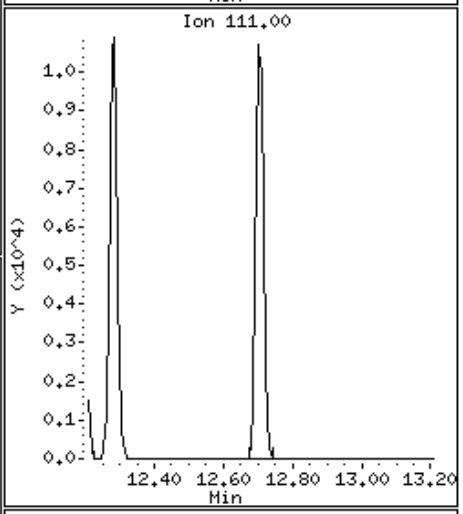
102 1,2-dichlorobenzene

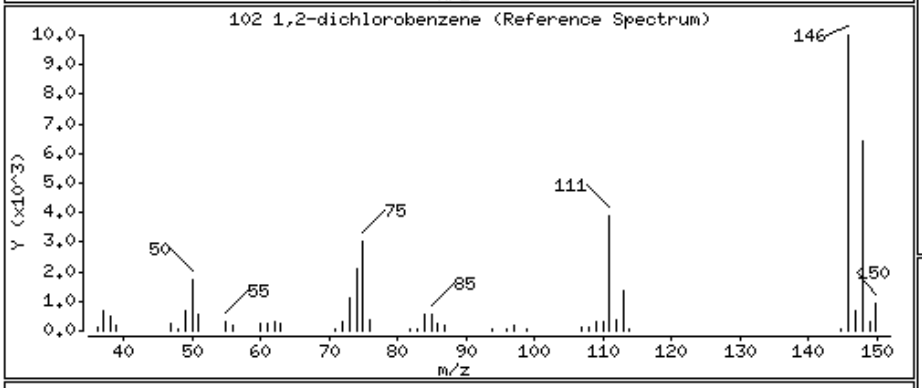
Concentration: 10.731 ngs

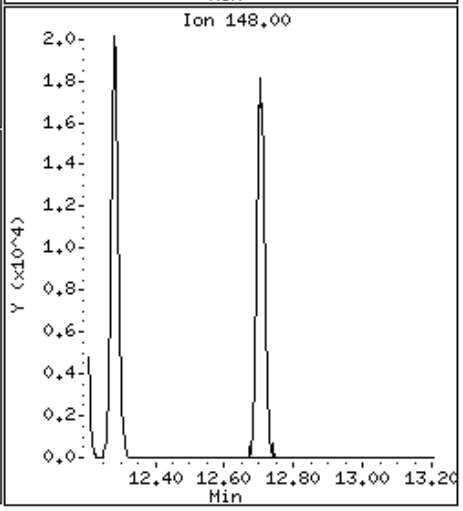


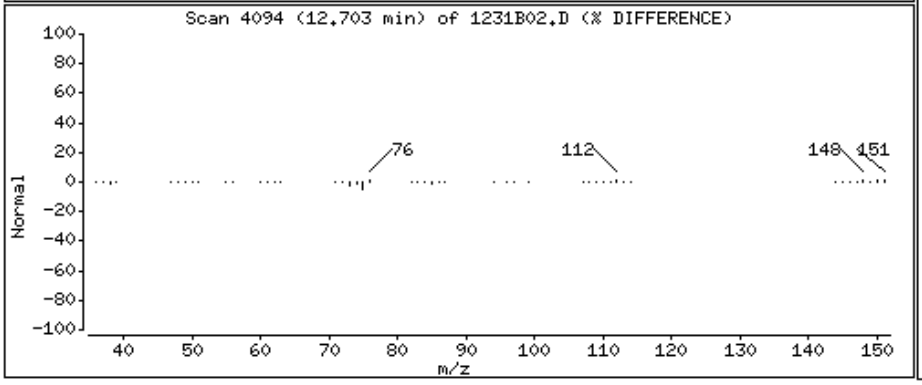












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

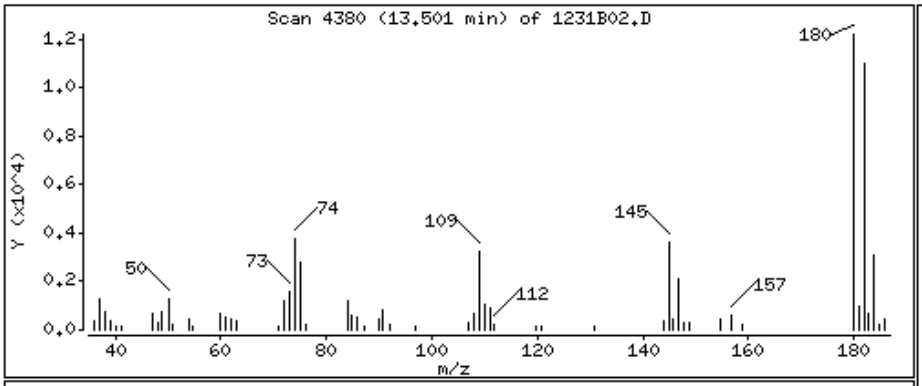
Operator: PD

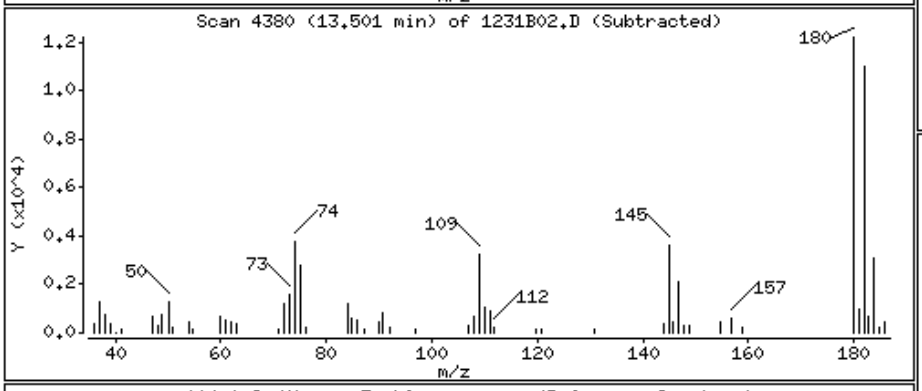
Column phase:

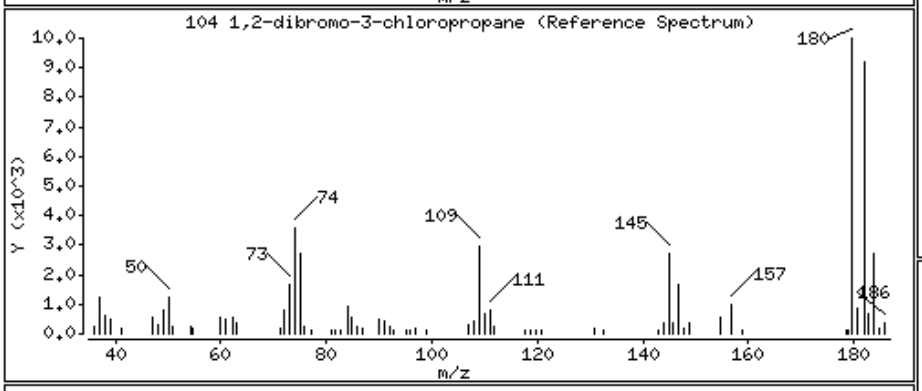
Column diameter: 0.18

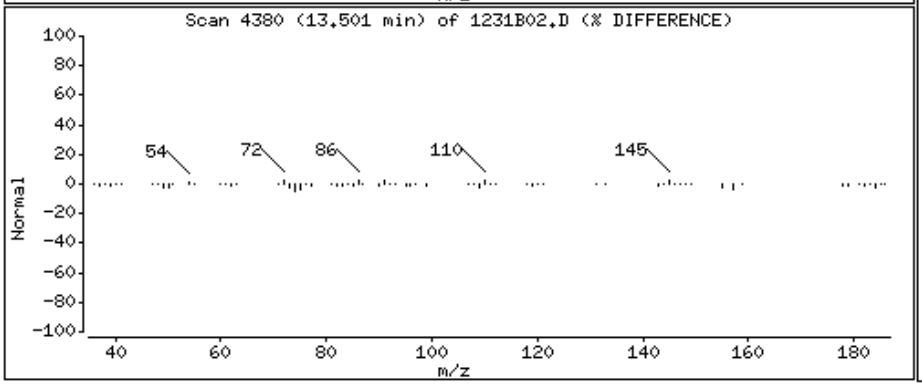
104 1,2-dibromo-3-chloropropane

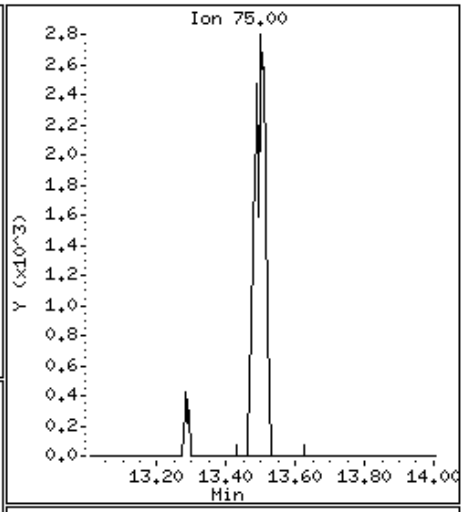
Concentration: 9.799 ngs

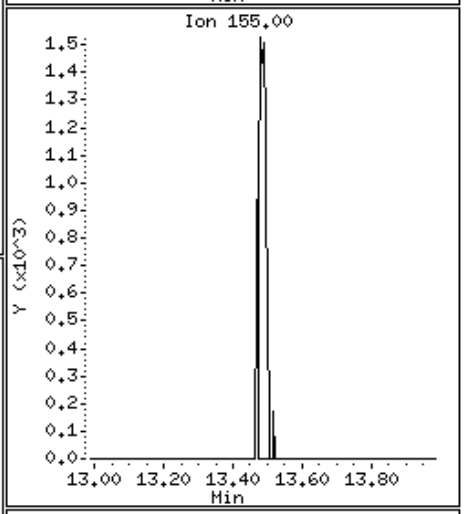


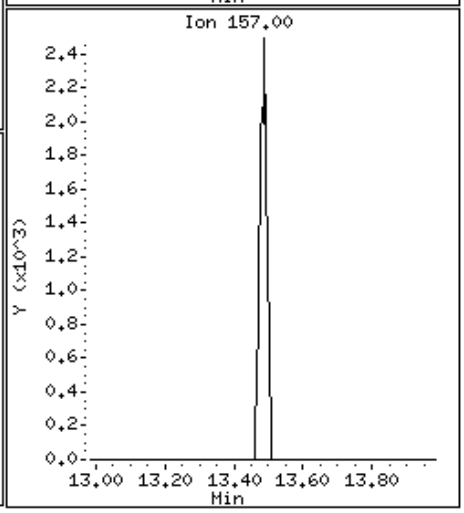












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

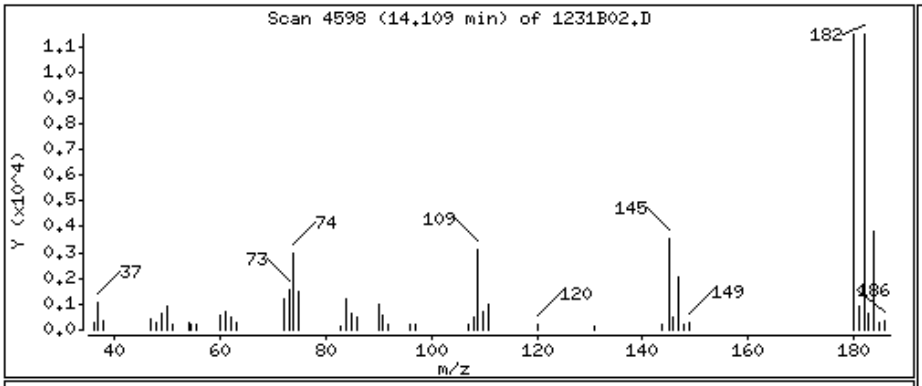
Operator: PD

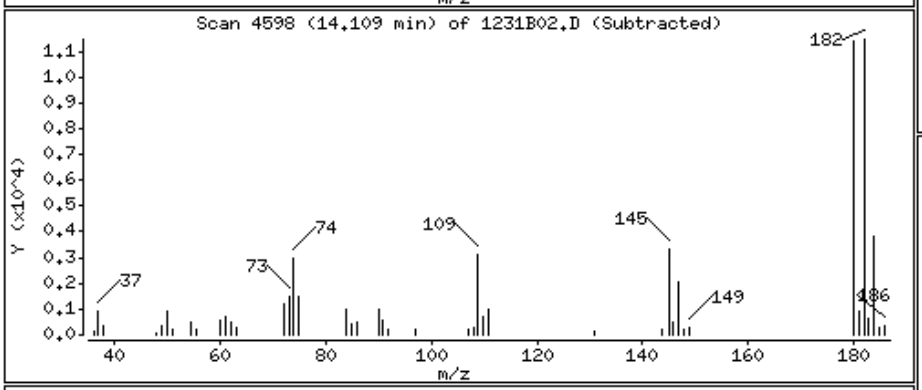
Column phase:

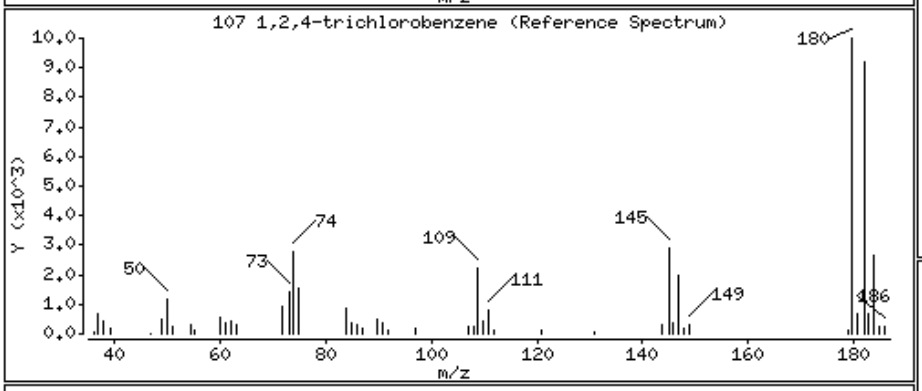
Column diameter: 0.18

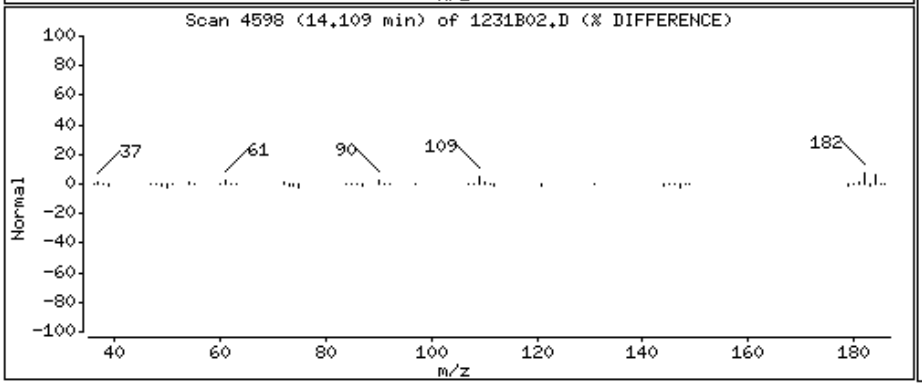
107 1,2,4-trichlorobenzene

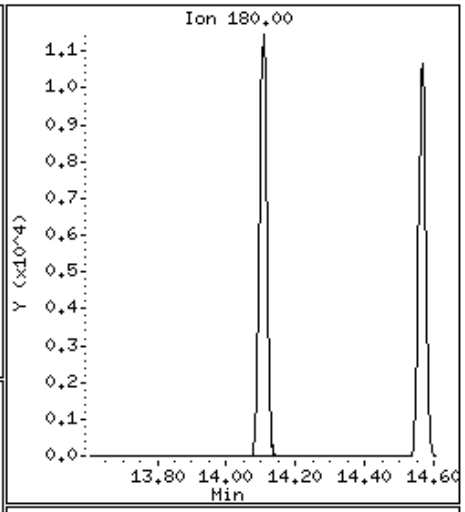
Concentration: 9.014 ngs

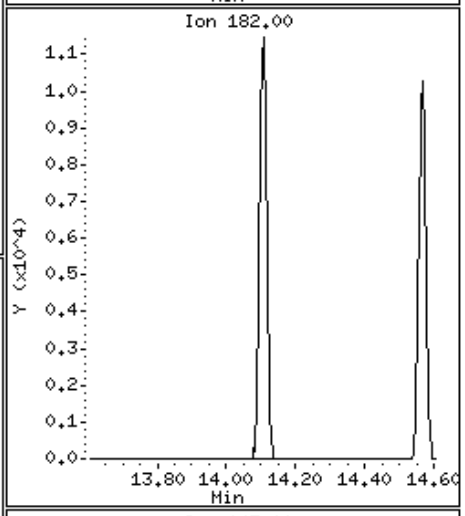


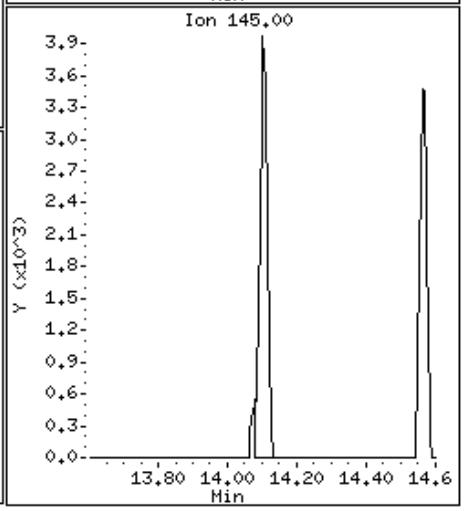












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151231.b\1231B02.D

Date : 31-DEC-2015 10:09

Client ID:

Instrument: Voa108.i

Sample Info: wg853951-9,31,10

Purge Volume: 10.0

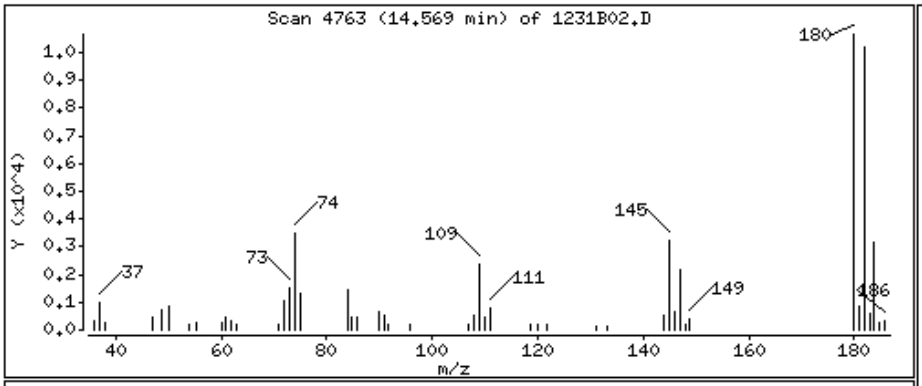
Operator: PD

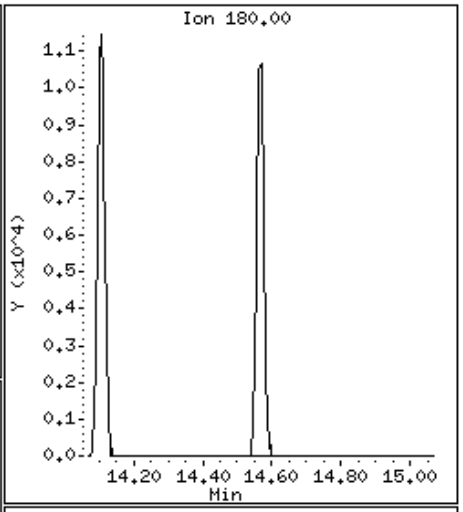
Column phase:

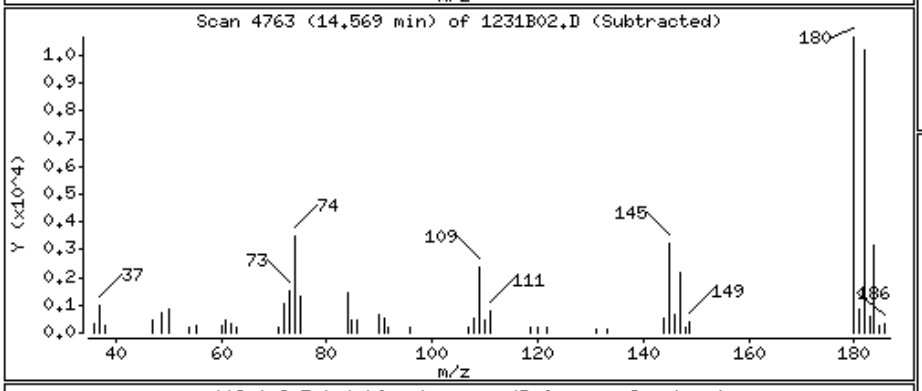
Column diameter: 0.18

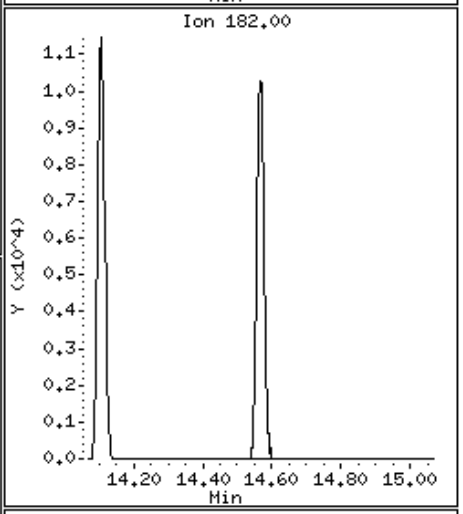
109 1,2,3-trichlorobenzene

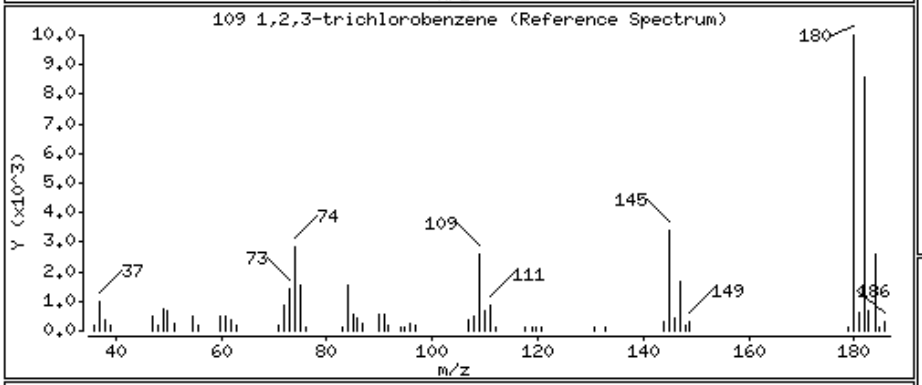
Concentration: 9.722 ngs

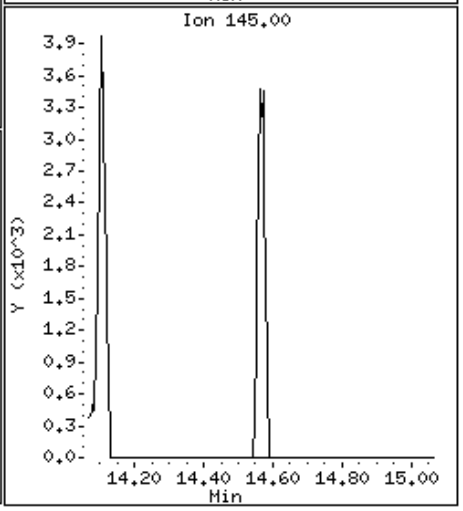


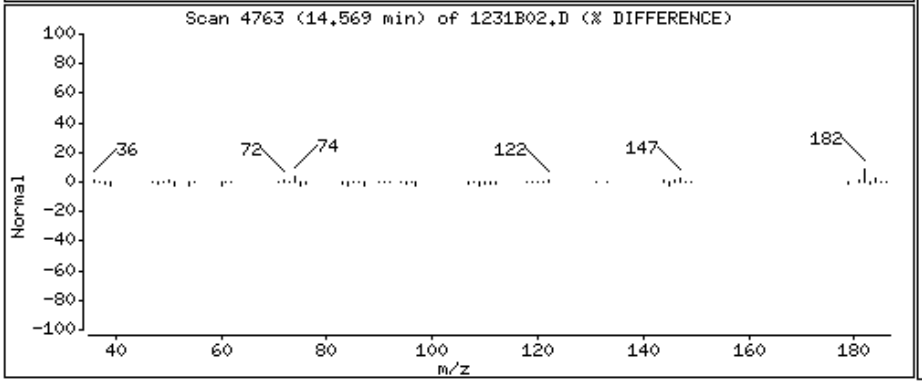












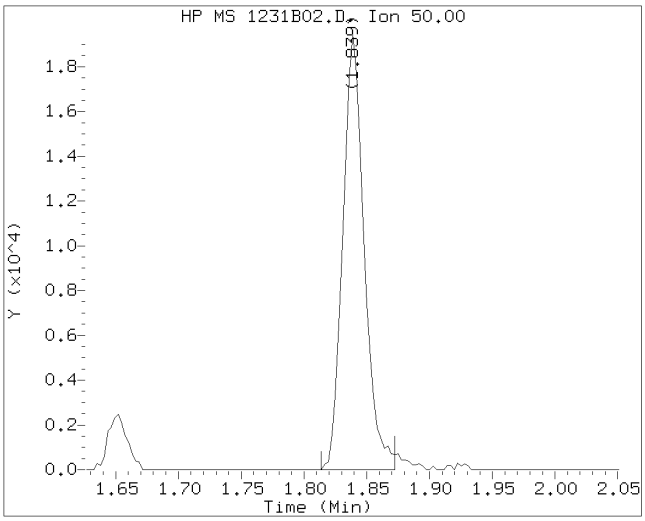
Alpha Analytical Labs

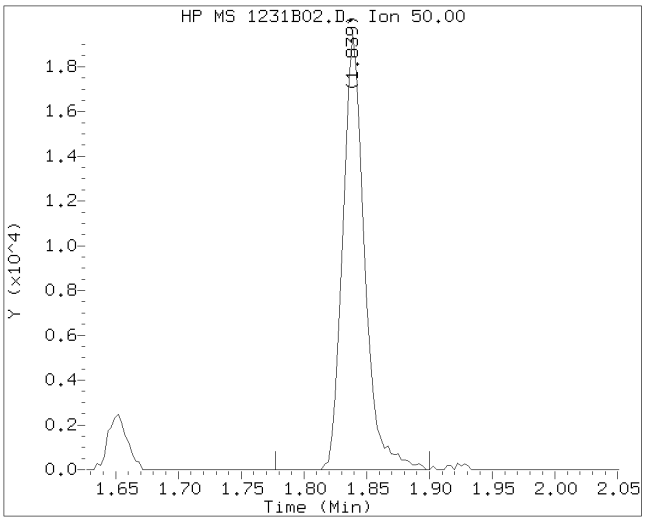
Manual Integration

Sample Info : wg853951-9,31,10
wg853951,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1231B02.D
Injection Date : 31-DEC-2015 10:09
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: LCSD

Compound # 2: chloromethane

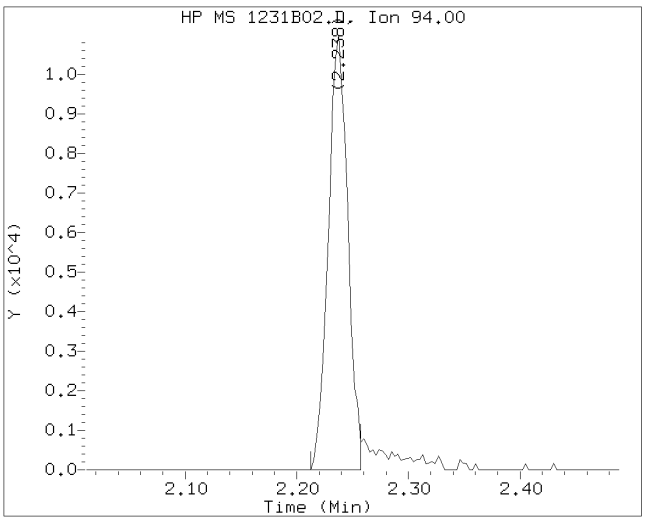


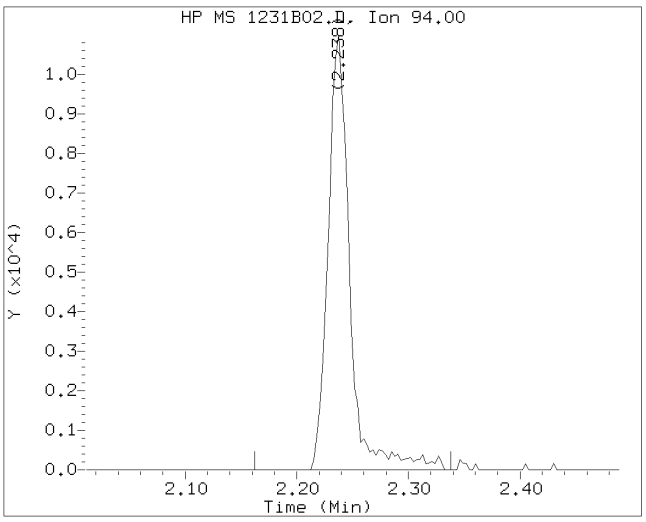


Original Peak Response = 23278 Manual Peak Response = 23756 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 4: bromomethane





Original Peak Response = 13490 Manual Peak Response = 15000 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

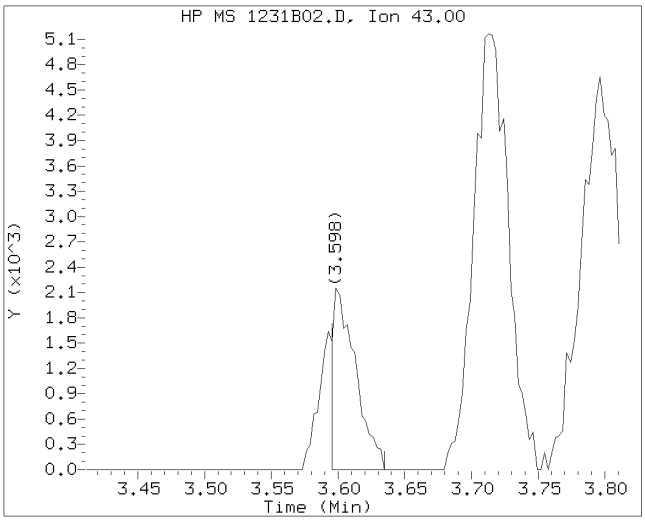
Alpha Analytical Labs

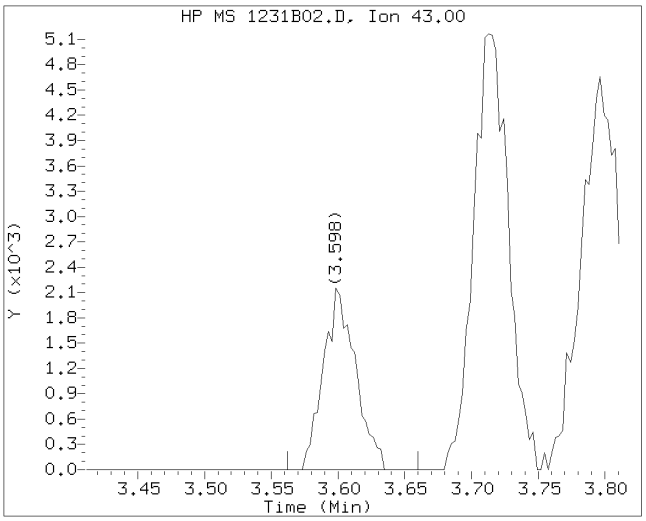
Manual Integration

Sample Info : wg854-2,31,10
wg854,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1231B02.D
Injection Date : 31-DEC-2015 10:09
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: LCSD

Compound # 16: acetone

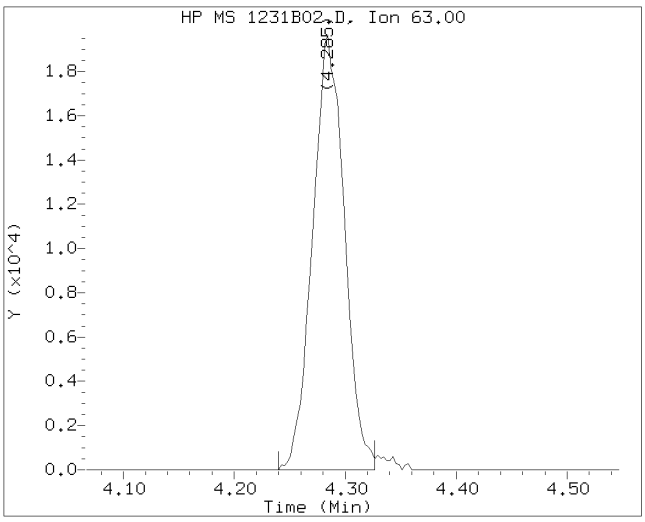


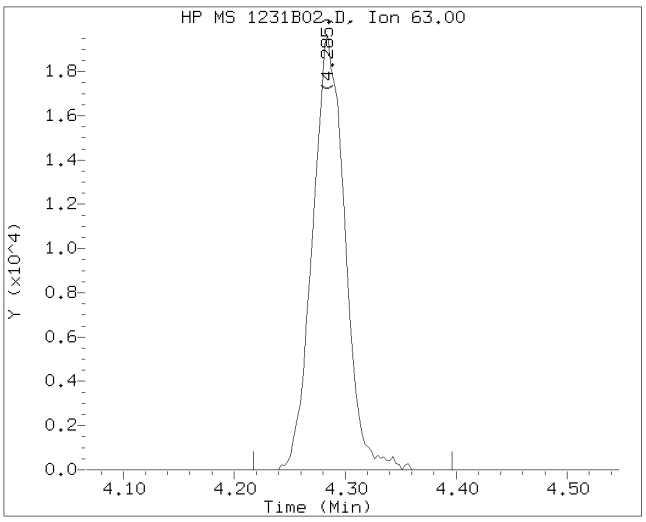


Original Peak Response = 2602 Manual Peak Response = 3600 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 22: 1,1-dichloroethane





Original Peak Response = 39162 Manual Peak Response = 39878 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

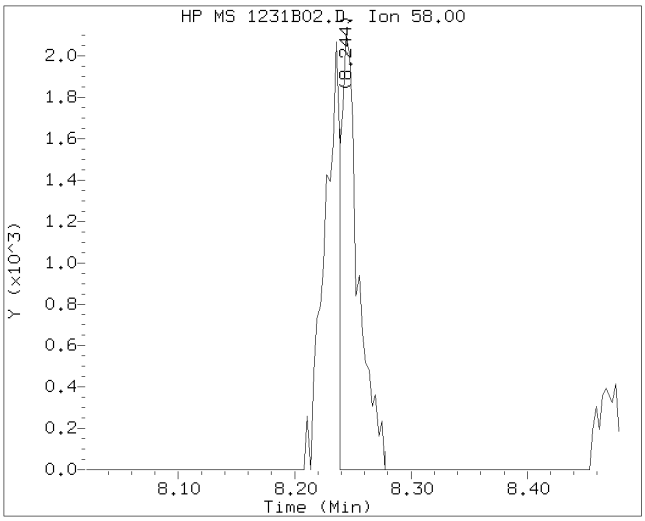
Alpha Analytical Labs

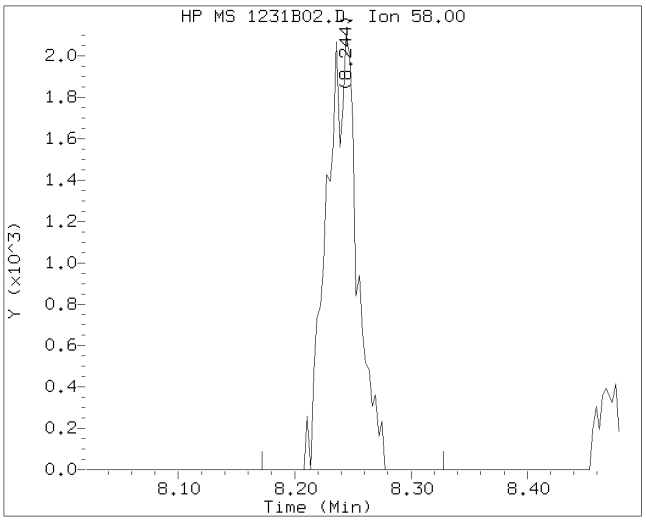
Manual Integration

Sample Info : wg854-2,31,10
wg854,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1231B02.D
Injection Date : 31-DEC-2015 10:09
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: LCSD

Compound # 60: 4-methyl-2-pentanone

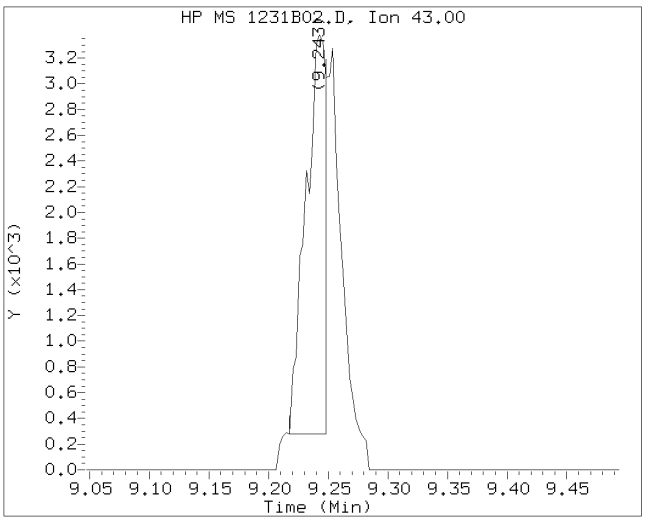


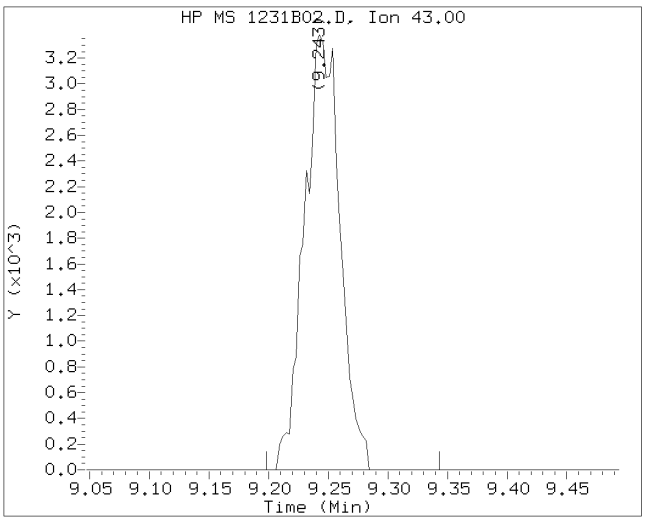


Original Peak Response = 2277 Manual Peak Response = 3902 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 71: 2-hexanone





Original Peak Response = 3696 Manual Peak Response = 7027 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

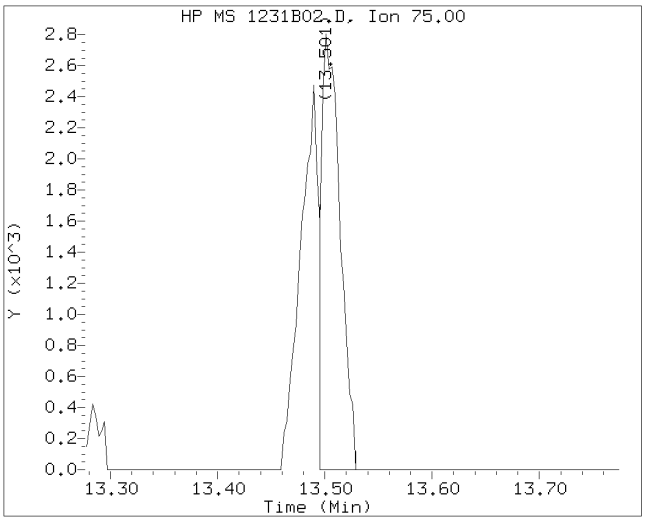
Alpha Analytical Labs

Manual Integration

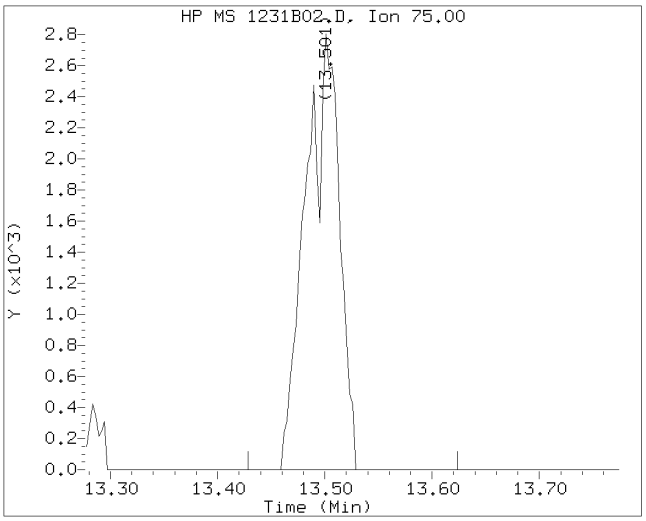
Sample Info : wg854-2,31,10
wg854,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1231B02.D
Injection Date : 31-DEC-2015 10:09
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: LCSD

Compound # 104: 1,2-dibromo-3-chloropropane



Original Peak Response = 3478



Manual Peak Response = 6146 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Matrix Spike / Matrix Spike Duplicate Raw Data

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D
Lab Smp Id:
Inj Date : 30-DEC-2015 15:50
Operator : PK Inst ID: Voa108.i
Smp Info : wg854069-4,31,10
Misc Info : wg854069,ical11667
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Meth Date : 30-Dec-2015 19:52 mmay Quant Type: ISTD
Cal Date : 07-NOV-2015 22:27 Cal File: 1107A10.D
Als bottle: 19 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: A1VOA1

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	1.649	1.649	(0.273)	21493	116.695	11.669	
	2 chloromethane	50	1.836	1.836	(0.303)	26525	141.020	14.101(R)	
	3 vinyl chloride	62	1.919	1.919	(0.317)	29166	120.514	12.051	
	4 bromomethane	94	2.234	2.235	(0.369)	17529	105.966	10.596	
	5 chloroethane	64	2.351	2.352	(0.389)	23859	94.0452	9.404	
	6 trichlorofluoromethane	101	2.491	2.488	(0.412)	54807	93.5888	9.358	
	9 1,1,-dichloroethene	96	2.982	2.982	(0.493)	31449	96.1799	9.617	
	11 freon-113	101	3.015	3.018	(0.498)	28654	86.2268	8.622	
	10 carbon disulfide	76	3.010	3.007	(0.498)	81951	84.4117	8.441	
	15 methylene chloride	84	3.542	3.545	(0.586)	24932	122.587	12.258(R)	
	16 acetone	43	3.598	3.601	(0.595)	4258	98.3585	9.835	
	17 trans-1,2-dichloroethene	96	3.690	3.687	(0.610)	25303	125.549	12.554(R)	
	18 Methyl Acetate	43	3.707	3.712	(0.613)	9675	114.103	11.410	
	19 methyl tert butyl ether	73	3.799	3.793	(0.628)	49374	107.324	10.732	
	22 1,1-dichloroethane	63	4.281	4.279	(0.708)	46512	128.434	12.843(R)	
	26 vinyl acetate	43	4.518	4.518	(0.747)	47073	109.449	10.944	
	27 cis-1,2-dichloroethene	96	4.803	4.800	(0.794)	29337	123.050	12.304	
	29 bromochloromethane	128	4.990	4.992	(0.825)	14516	128.739	12.873(R)	
	30 Cyclohexane	56	4.981	4.976	(0.823)	35692	119.162	11.916	
	31 chloroform	83	5.059	5.062	(0.836)	48011	122.749	12.274	
	33 carbontetrachloride	117	5.190	5.185	(0.858)	40210	129.475	12.947	
$	36 dibromofluoromethane	113	5.238	5.241	(0.866)	27051	104.020	10.402	
	37 1,1,1-trichloroethane	97	5.263	5.260	(0.870)	44231	131.413	13.141(QR)	
	38 2-butanone	43	5.372	5.369	(0.888)	6381	100.560	10.055(QM)	M1
	40 benzene	78	5.628	5.631	(0.930)	102202	121.515	12.151	
$	42 1,2-dichloroethane-d4	65	5.776	5.768	(0.955)	26605	94.3481	9.434	
	43 1,2-dichloroethane	62	5.843	5.837	(0.966)	30213	114.312	11.431	
*	46 flourobenzene	96	6.049	6.049	(1.000)	95111	100.000		

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	47 methyl cyclohexane	83	6.200	6.200	(1.025)	33251	101.332	10.133	
	48 trichloroethene	95	6.219	6.219	(1.028)	28347	119.808	11.980	
	52 1,2-dichloropropane	63	6.774	6.769	(1.120)	24752	121.078	12.107(R)	
	53 bromodichloromethane	83	6.838	6.836	(1.130)	35512	119.512	11.951	
	57 cis-1,3-dichloropropene	75	7.533	7.530	(1.245)	36186	110.527	11.052	
$	58 toluene-d8	98	7.736	7.734	(0.808)	93770	100.355	10.035	
	59 toluene	92	7.792	7.792	(0.814)	66173	122.298	12.229	
	60 4-methyl-2-pentanone	58	8.238	8.233	(1.362)	4834	96.2378	9.623(Q)	
	61 tetrachloroethene	166	8.230	8.222	(0.859)	29199	121.917	12.191(Q)	
	62 trans-1,3-dichloropropene	75	8.277	8.275	(0.864)	32134	115.947	11.594	
	66 1,1,2-trichloroethane	83	8.467	8.464	(0.884)	16901	117.624	11.762	
	67 chlorodibromomethane	129	8.673	8.668	(0.906)	27243	124.741	12.474(R)	
	70 1,2-dibromoethane	107	8.952	8.950	(0.935)	19683	115.258	11.525	
	71 2-hexanone	43	9.248	9.242	(0.966)	8124	94.9366	9.493	
*	72 chlorobenzene-d5	117	9.577	9.574	(1.000)	76594	100.000		
	73 chlorobenzene	112	9.596	9.594	(1.002)	77072	118.688	11.868	
	74 ethyl benzene	91	9.633	9.633	(1.006)	121022	111.212	11.121	
	76 p/m xylene	106	9.819	9.817	(1.025)	98214	218.545	21.854	
	77 o xylene	106	10.358	10.358	(1.082)	89506	204.517	20.451	
	78 styrene	104	10.433	10.425	(1.089)	149746	210.786	21.078	
	79 bromoform	173	10.455	10.450	(0.852)	14796	105.151	10.515(M)	M1
	80 isopropylbenzene	105	10.742	10.740	(0.876)	121053	115.492	11.549	
$	81 4-bromofluorobenzene	95	11.063	11.061	(0.902)	31663	99.3898	9.938	
	85 1,1,2,2,-tetrachloroethane	83	11.309	11.309	(0.922)	22320	116.053	11.605	
	97 1,3-dichlorobenzene	146	12.190	12.190	(0.994)	57244	116.253	11.625	
*	98 1,4-dichlorobenzene-d4	152	12.268	12.265	(1.000)	39399	100.000		
	99 1,4-dichlorobenzene	146	12.282	12.282	(1.001)	56157	113.804	11.380	
	102 1,2-dichlorobenzene	146	12.703	12.700	(1.035)	50848	115.845	11.584	
	104 1,2-dibromo-3-chloropropane	75	13.503	13.498	(1.101)	7116	105.419	10.541(QM)	M1
	107 1,2,4-trichlorobenzene	180	14.103	14.103	(1.150)	21166	107.091	10.709	
	109 1,2,3-trichlorobenzene	180	14.563	14.563	(1.187)	18849	111.585	11.158	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Lab File ID: 1230A19.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PK
Method File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Misc Info: wg854069,ical11667

Calibration Date: 30-DEC-2015
Calibration Time: 07:52
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	119032	59516	238064	95111	-20.10
72 chlorobenzene-d5	94214	47107	188428	76594	-18.70
98 1,4-dichlorobenze	46084	23042	92168	39399	-14.51

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
46 flourobenzene	6.05	5.55	6.55	6.05	-0.00
72 chlorobenzene-d5	9.57	9.07	10.07	9.58	0.03
98 1,4-dichlorobenze	12.27	11.77	12.77	12.27	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

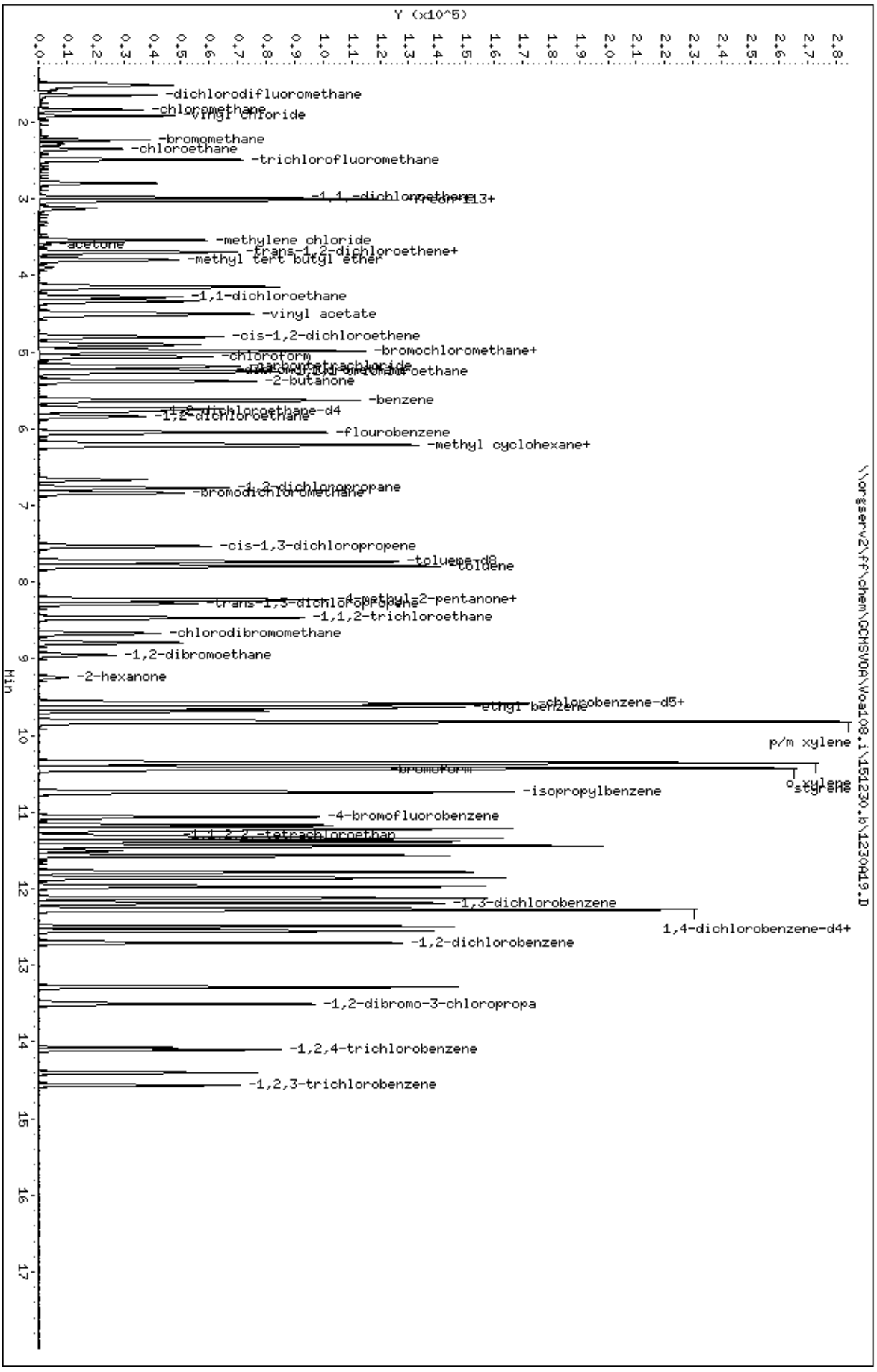
RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PK
Data Type: MS DATA SampleType: MS
SpikeList File: newtcreek.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Misc Info: wg854069,ical11667

SPIKE	COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
1	dichlorodifluorome	100.000	116.695	116.70	36-147
2	chloromethane	100.000	141.019	141.02*	64-130
3	vinyl chloride	100.000	120.514	120.51	55-140
4	bromomethane	100.000	105.966	105.97	39-139
5	chloroethane	100.000	94.045	94.05	55-138
6	trichlorofluoromet	100.000	93.588	93.59	62-150
9	1,1,-dichloroethen	100.000	96.179	96.18	61-145
10	carbon disulfide	100.000	84.411	84.41	51-121
11	freon-113	100.000	86.226	86.23	70-130
15	methylene chloride	100.000	122.586	122.59*	74-121
16	acetone	100.000	98.358	98.36	58-148
17	trans-1,2-dichloro	100.000	125.549	125.55*	75-125
18	Methyl Acetate	100.000	114.103	114.10	70-130
19	methyl tert butyl	100.000	107.324	107.32	63-112
22	1,1-dichloroethane	100.000	128.433	128.43*	73-119
26	vinyl acetate	100.000	109.448	109.45	83-124
27	cis-1,2-dichloroet	100.000	123.049	123.05	75-125
29	bromochloromethane	100.000	128.738	128.74*	74-123
30	Cyclohexane	100.000	119.161	119.16	70-130
31	chloroform	100.000	122.748	122.75	75-125
33	carbontetrachlorid	100.000	129.475	129.48	63-132
37	1,1,1-trichloroeth	100.000	131.413	131.41*	67-123
38	2-butanone	100.000	100.559	100.56	63-138
40	benzene	100.000	121.514	121.51	76-127
43	1,2-dichloroethane	100.000	114.311	114.31	71-125
48	trichloroethene	100.000	119.807	119.81	71-120
47	methyl cyclohexane	100.000	101.331	101.33	70-130
52	1,2-dichloropropan	100.000	121.078	121.08*	70-120
53	bromodichlorometha	100.000	119.511	119.51	67-121
57	cis-1,3-dichloropr	100.000	110.526	110.53	75-125
59	toluene	100.000	122.298	122.30	76-125
60	4-methyl-2-pentano	100.000	96.237	96.24	59-126
61	tetrachloroethene	100.000	121.917	121.92	70-130
62	trans-1,3-dichloro	100.000	115.946	115.95	75-125
66	1,1,2-trichloroeth	100.000	117.623	117.62	70-125
67	chlorodibromometha	100.000	124.741	124.74*	63-119
70	1,2-dibromoethane	100.000	115.258	115.26	70-119
71	2-hexanone	100.000	94.936	94.94	57-128
73	chlorobenzene	100.000	118.687	118.69	75-130
74	ethyl benzene	100.000	111.211	111.21	79-118

SPIKE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
76 p/m xylene	200.000	218.545	109.27	75-125
77 o xylene	200.000	204.516	102.26	75-125
78 styrene	200.000	210.785	105.39	70-122
79 bromoform	100.000	105.150	105.15	54-136
80 isopropylbenzene	100.000	115.492	115.49	73-122
85 1,1,2,2,-tetrachlo	100.000	116.052	116.05	67-124
97 1,3-dichlorobenzen	100.000	116.252	116.25	75-125
99 1,4-dichlorobenzen	100.000	113.804	113.80	75-125
102 1,2-dichlorobenzen	100.000	115.845	115.85	75-125
104 1,2-dibromo-3-chlo	100.000	105.418	105.42	41-144
107 1,2,4-trichloroben	100.000	107.091	107.09	75-125
109 1,2,3-trichloroben	100.000	111.585	111.59	75-125

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 36 dibromofluorometha	100.000	104.020	104.02	70-130
$ 42 1,2-dichloroethane	100.000	94.348	94.35	70-130
$ 58 toluene-d8	100.000	100.355	100.36	70-130
$ 81 4-bromofluorobenze	100.000	99.389	99.39	70-130


Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108,i\151230,b\1230A19,D
Date : 30-DEC-2015 15:50
Client ID:
Sample Info: ug854069-4,31,10
Purge Volume: 10.0
Column phase:
Instrument: Voa108,i
Operator: PK
Column diameter: 0.18
Y (x10^5)
Min
-dichlorodifluoromethane
-chloromethane
-vinyl chloride
-bromomethane
-chloroethane
-trichlorofluoromethane
-1,1-dichloroethene
Freon 113+
-methylene chloride
-acetone
-trans-1,2-dichloroethene+
-methyl tert butyl ether
-1,1-dichloroethane
-vinyl acetate
-cis-1,2-dichloroethene
-bromochloromethane+
-chloroform
-carbontetrachloride
-1,1,1-trichloroethane
-2-butanone
-benzene
-1,2-dichloroethane-d4
-1,2-dichloroethane
-flourobenzene
-methyl cyclohexane+
-1,2-dichloropropane
-bromodichloromethane
-cis-1,3-dichloropropene
-toluene-d8
-toluene
-4-methyl-2-pentanone+
-trans-1,3-dichloropropene
-1,1,2-trichloroethane
-chlorodibromomethane
-1,2-dibromoethane
-2-hexanone
-chlorobenzene-d5+
-ethyl benzene
p/m xylene
-bromoform
o-xylene
-styrene
-isopropylbenzene
-4-bromofluorobenzene
-1,1,2,2-tetrachloroethan
-1,3-dichlorobenzene
1,4-dichlorobenzene-d4+
-1,2-dichlorobenzene
-1,2-dibromo-3-chloropropa
-1,2,4-trichlorobenzene
-1,2,3-trichlorobenzene
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Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

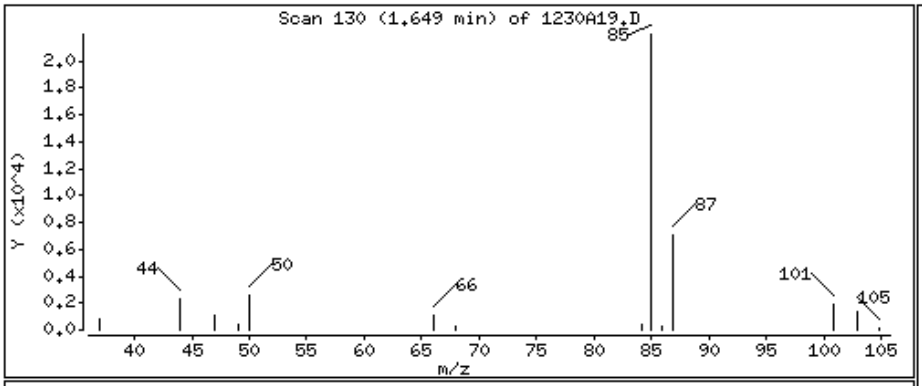
Operator: PK

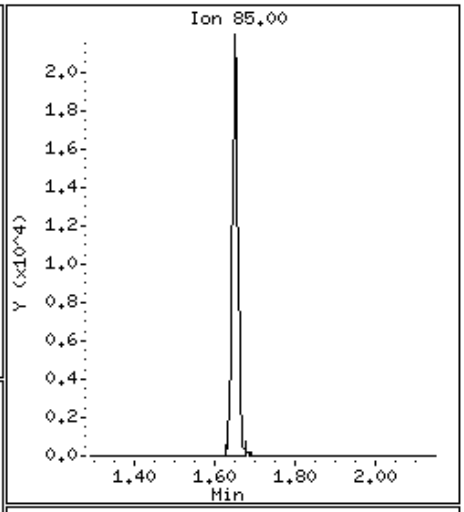
Column phase:

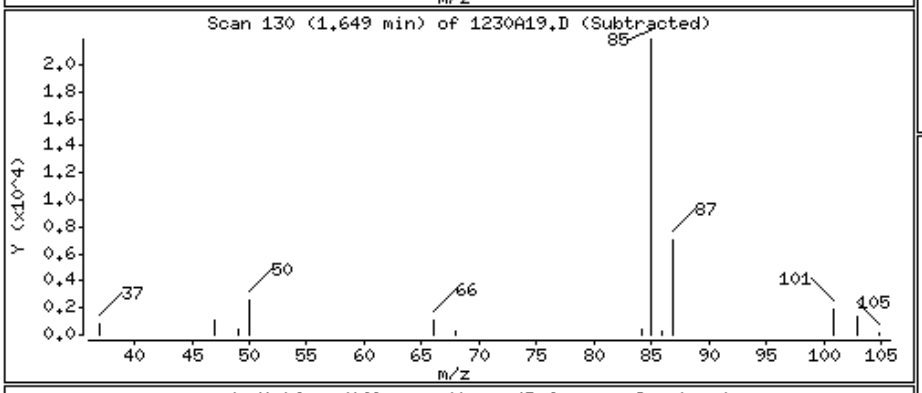
Column diameter: 0.18

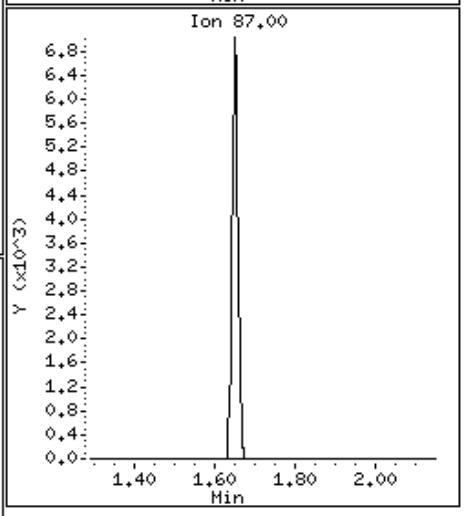
1 dichlorodifluoromethane

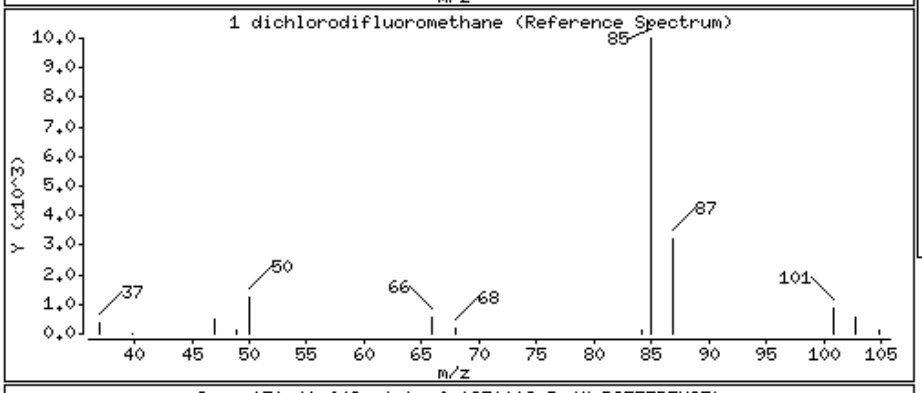
Concentration: 11.669 ngs

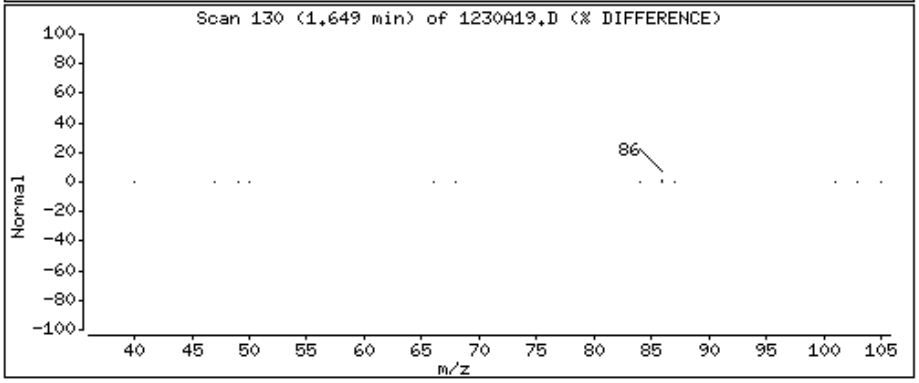












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

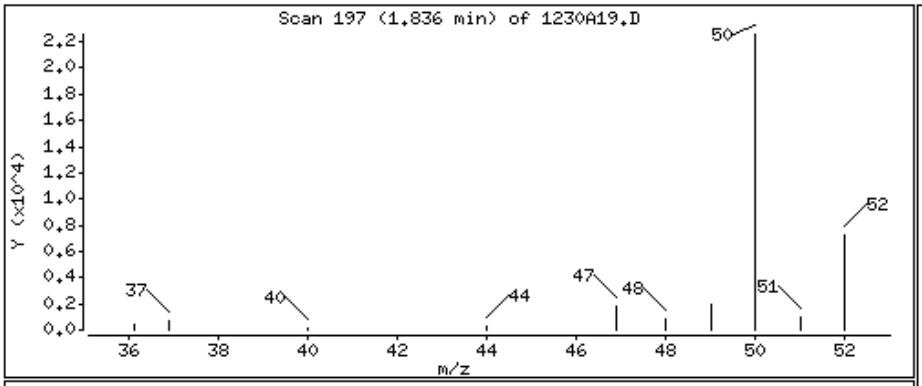
Operator: PK

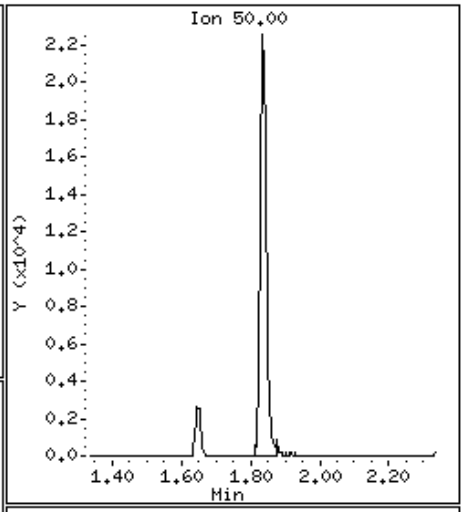
Column phase:

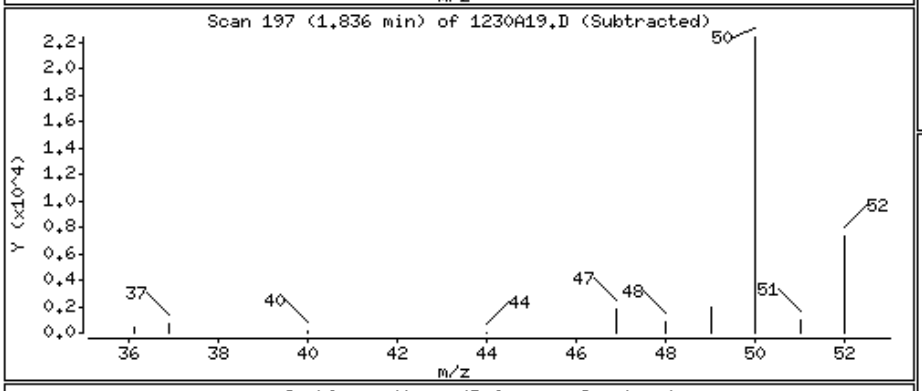
Column diameter: 0.18

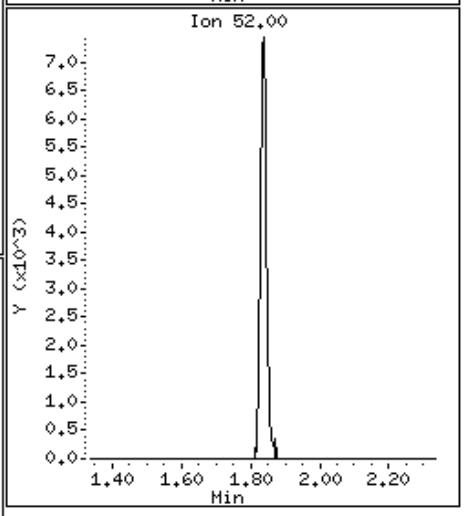
2 chloromethane

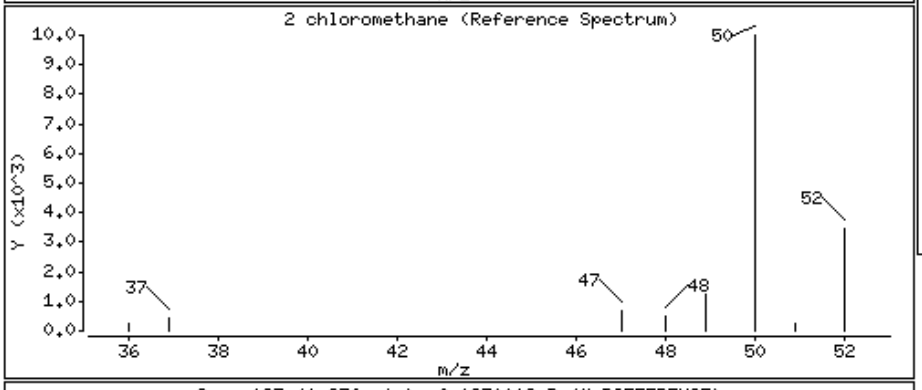
Concentration: 14.101 ngs

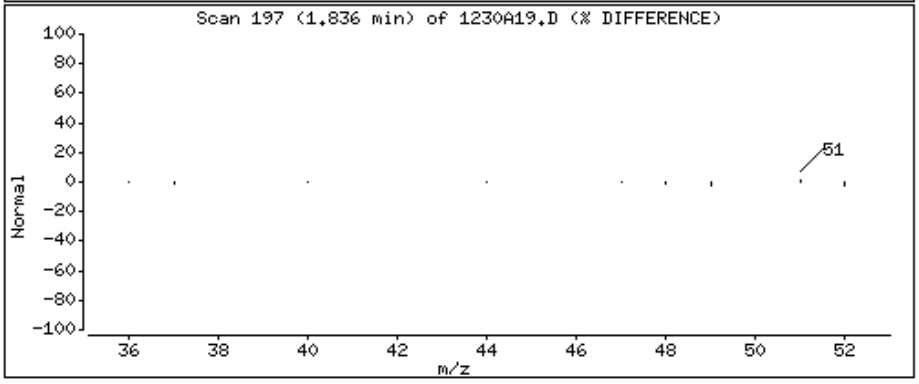












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

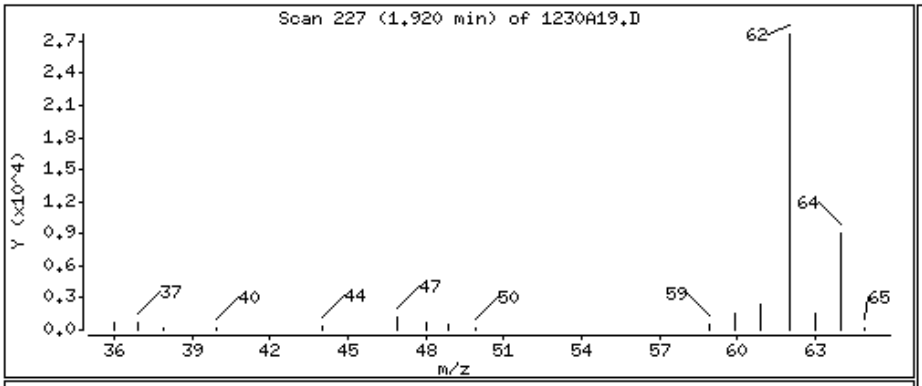
Operator: PK

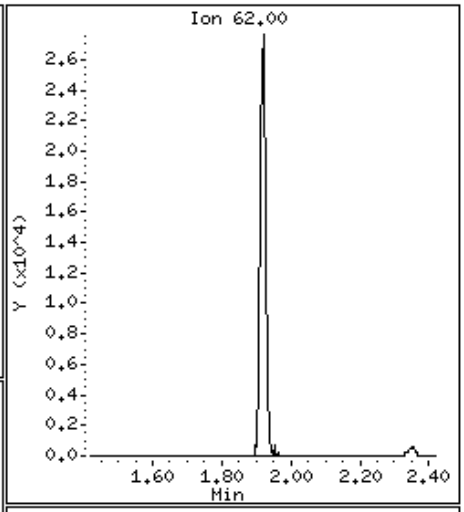
Column phase:

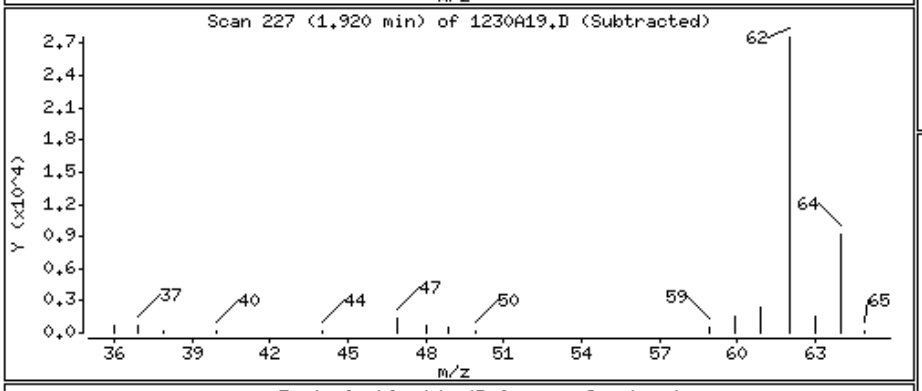
Column diameter: 0.18

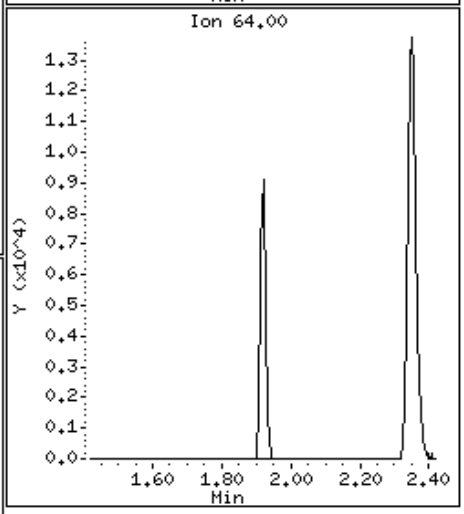
3 vinyl chloride

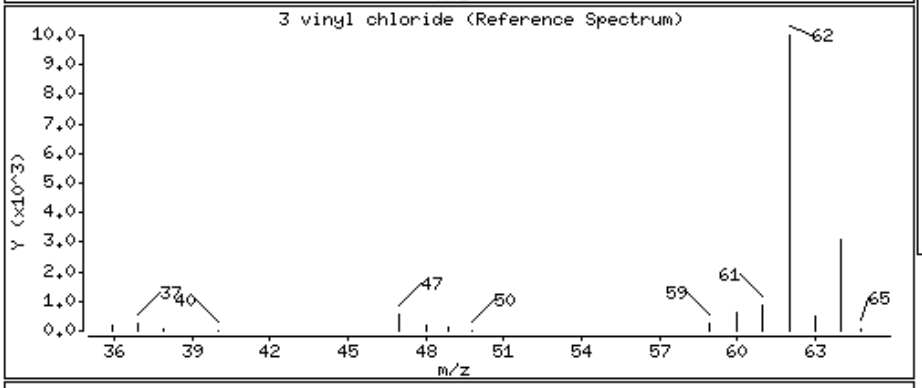
Concentration: 12.051 ngs

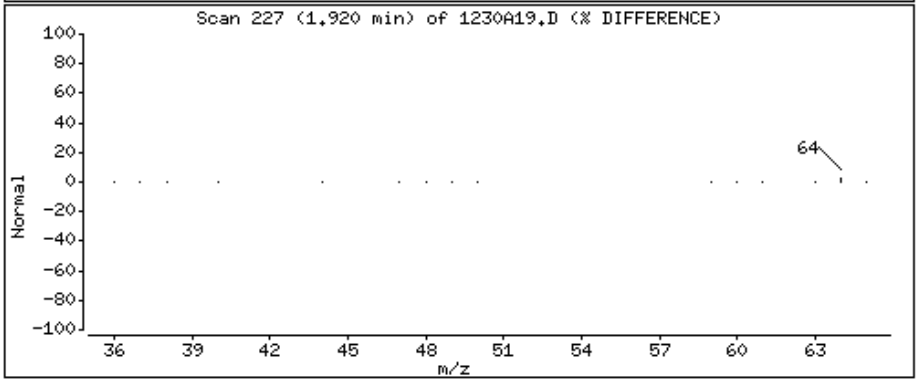












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

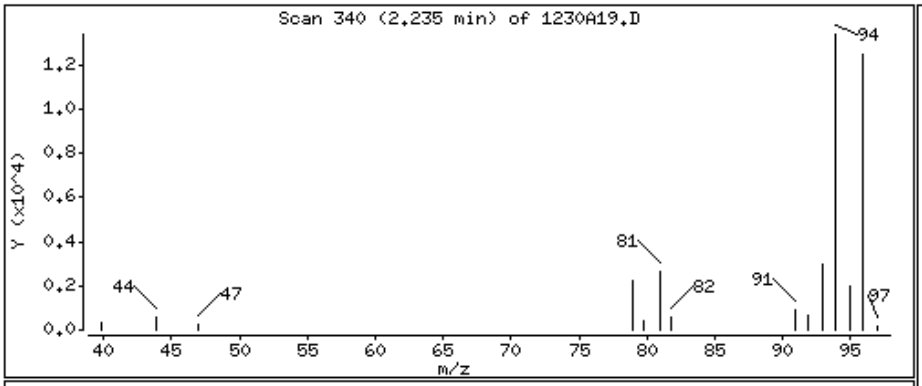
Operator: PK

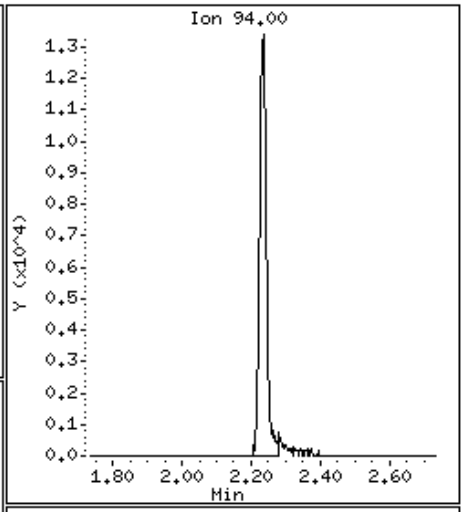
Column phase:

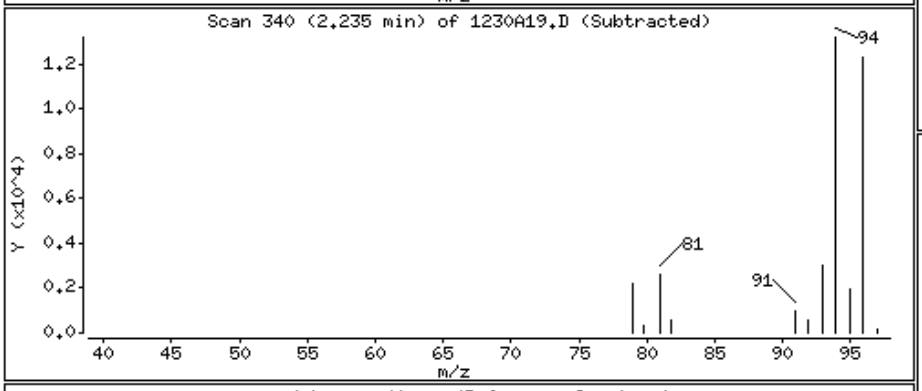
Column diameter: 0.18

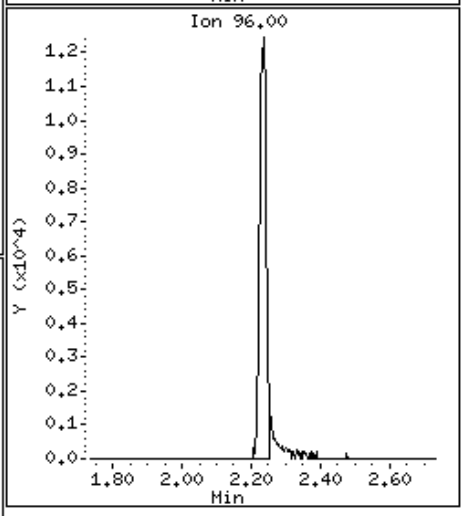
4 bromomethane

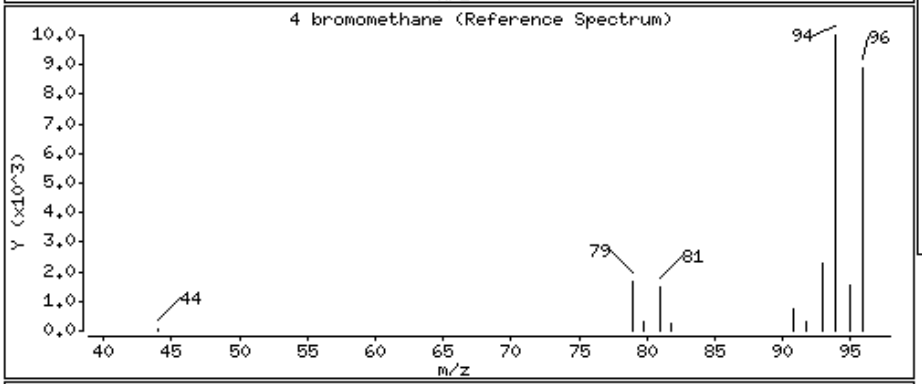
Concentration: 10.596 ngs

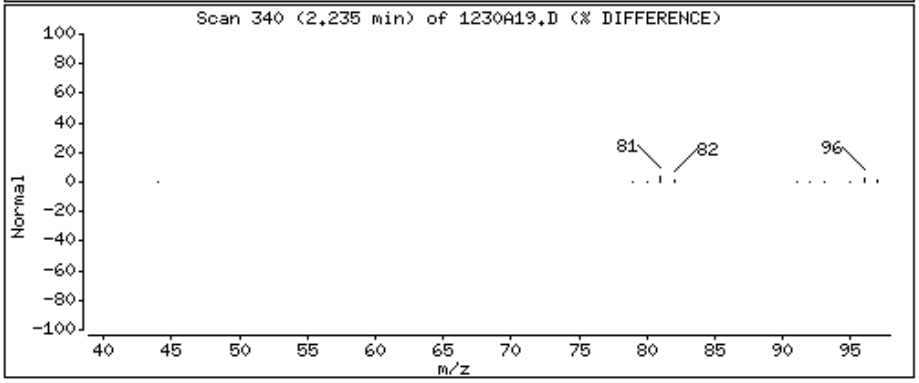












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

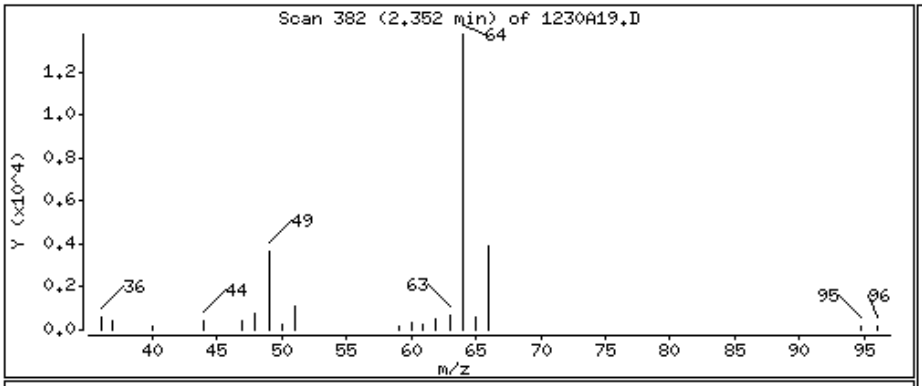
Operator: PK

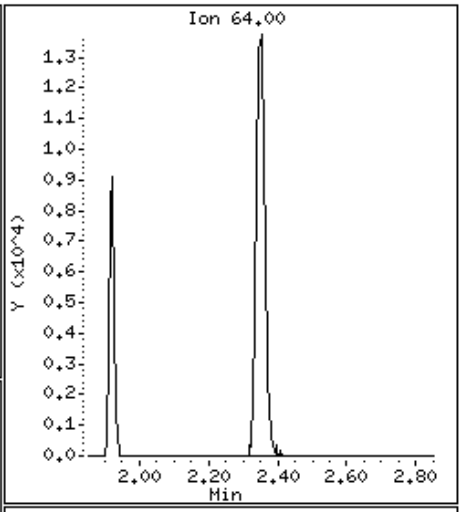
Column phase:

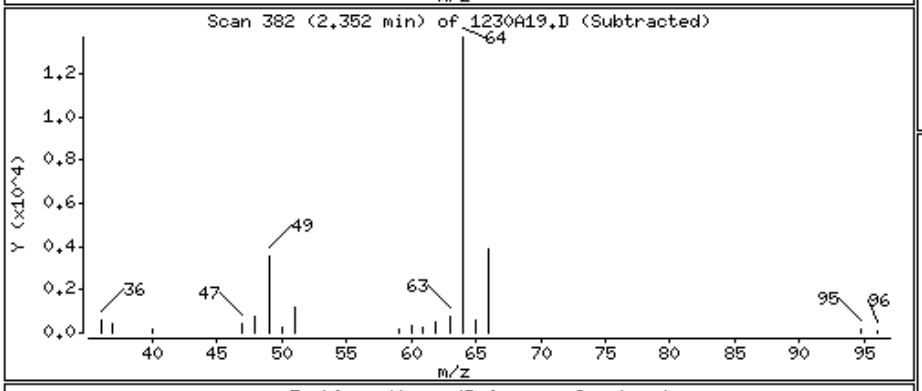
Column diameter: 0.18

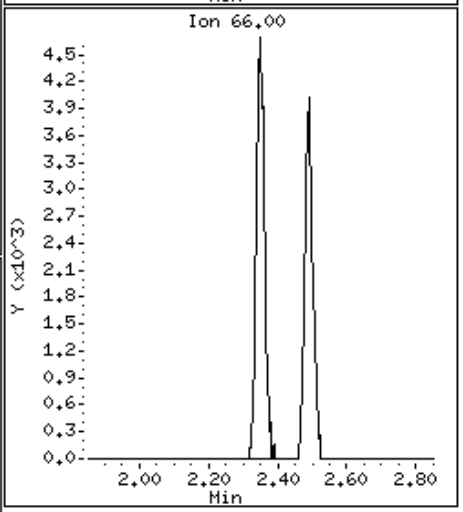
5 chloroethane

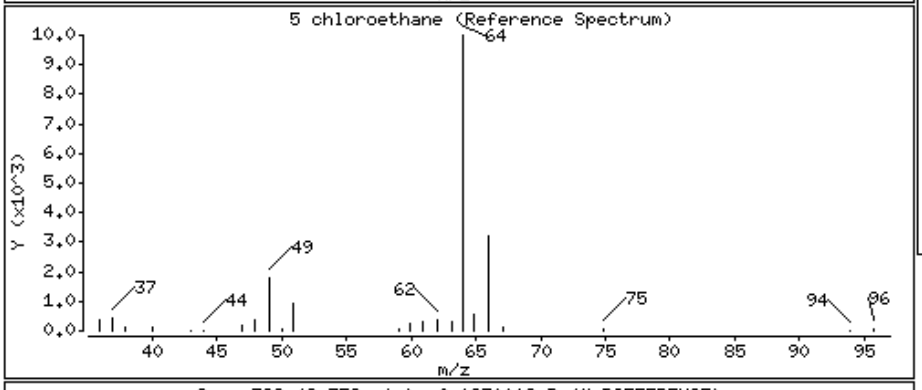
Concentration: 9.404 ngs

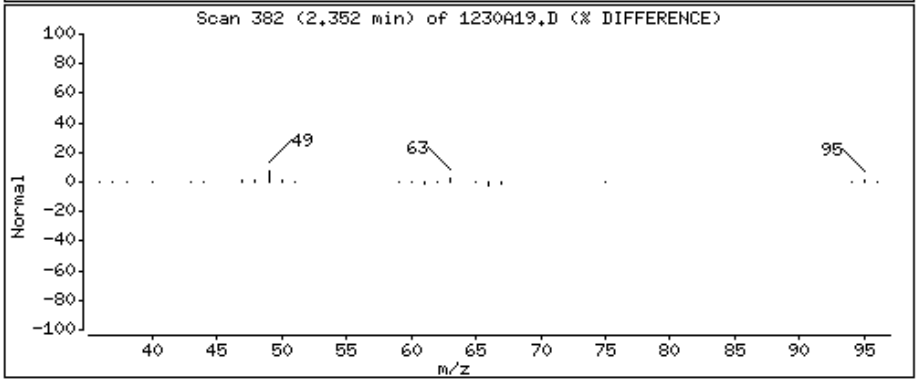












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

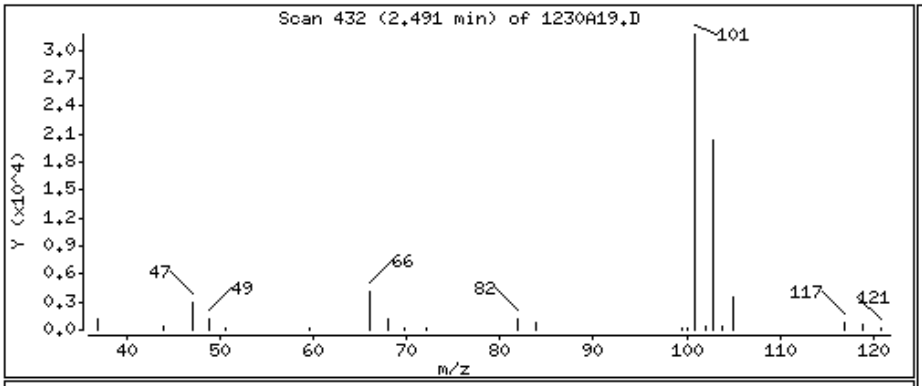
Operator: PK

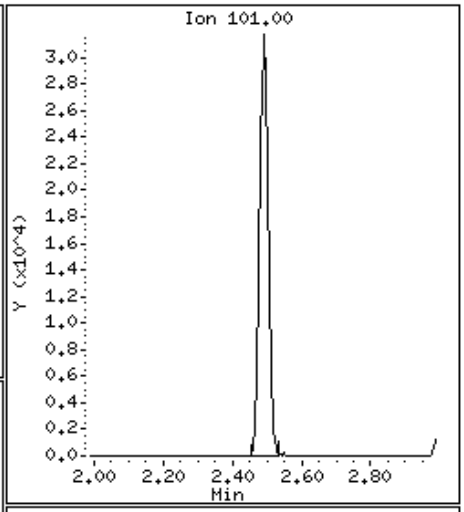
Column phase:

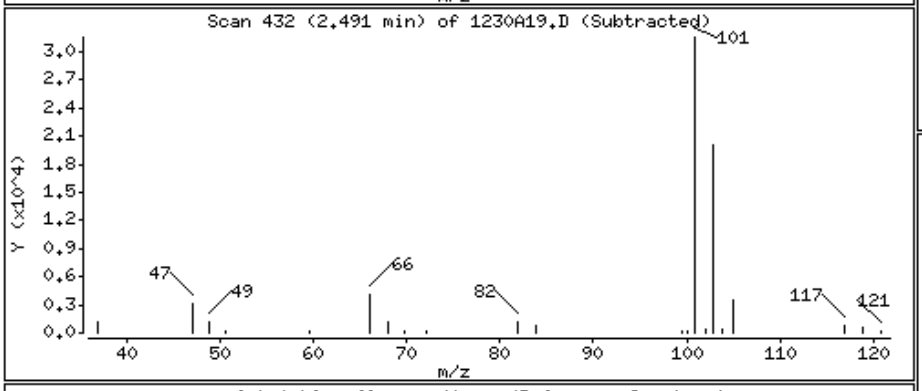
Column diameter: 0.18

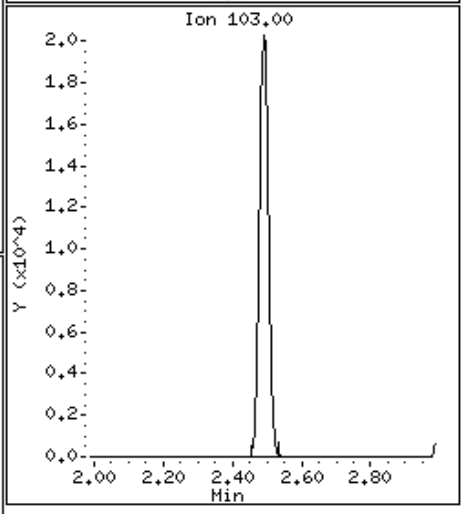
6 trichlorofluoromethane

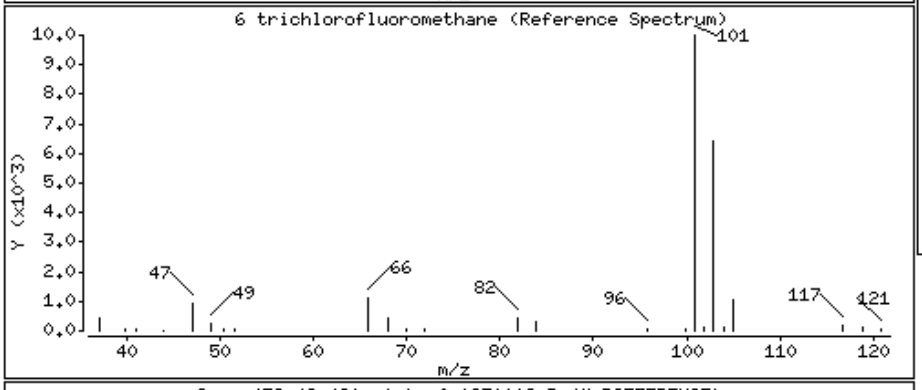
Concentration: 9.358 ngs

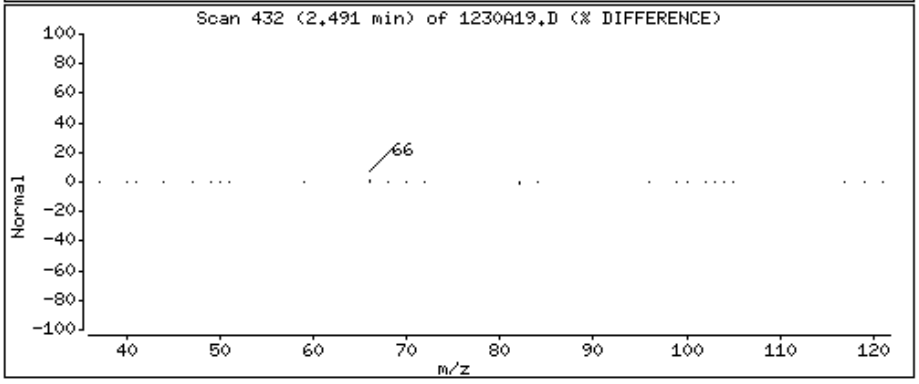












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

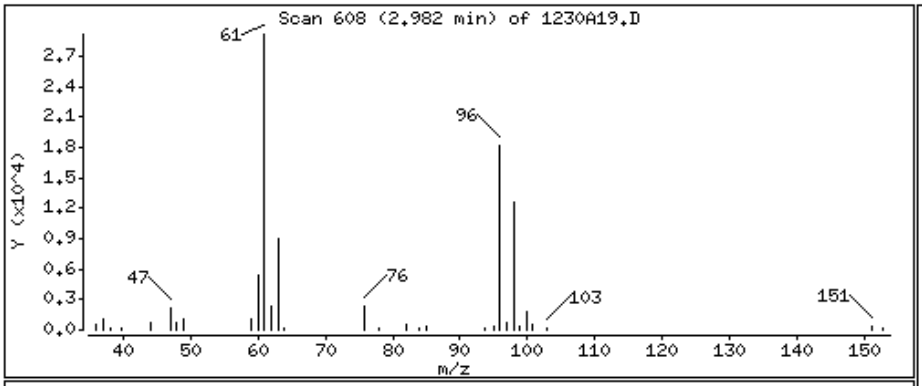
Operator: PK

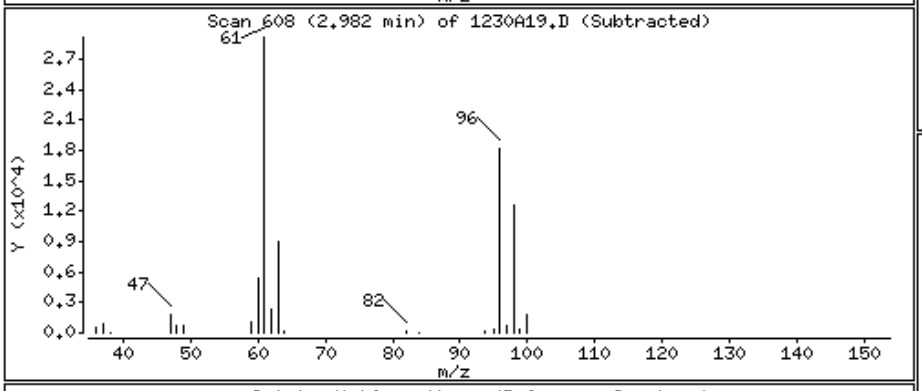
Column phase:

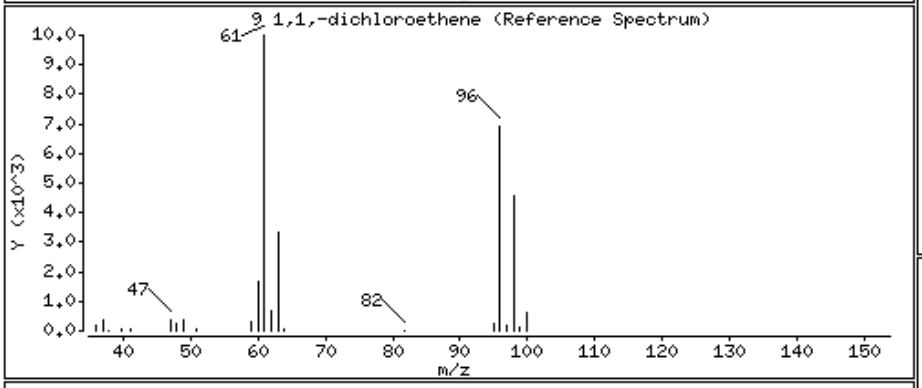
Column diameter: 0.18

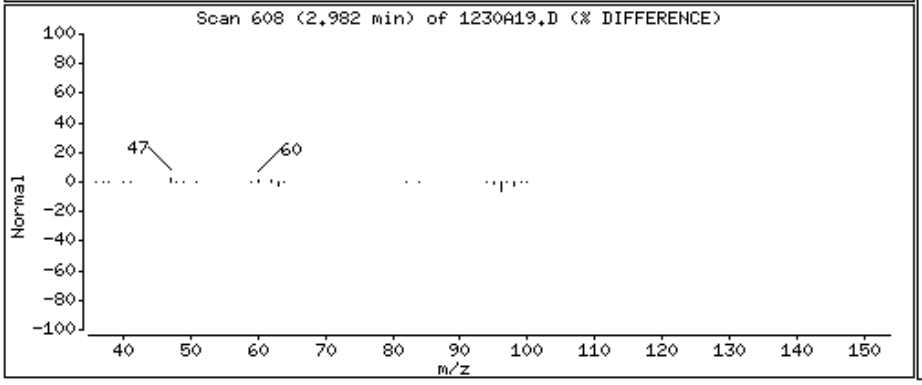
9 1,1,-dichloroethene

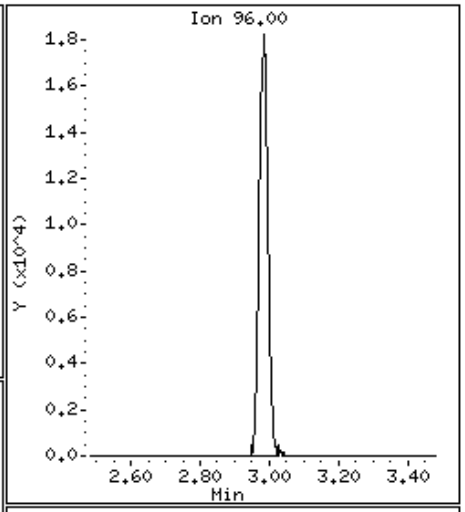
Concentration: 9.617 ngs

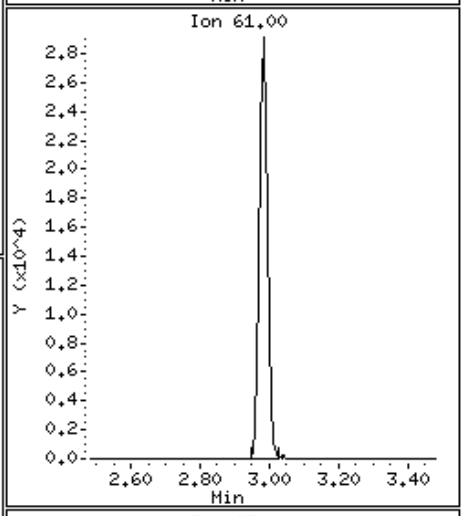


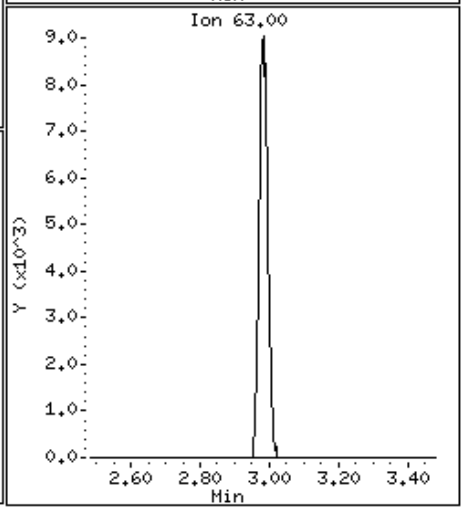












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

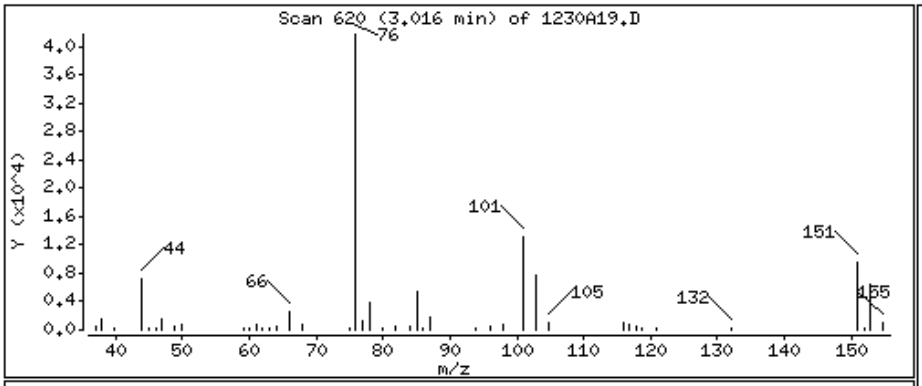
Operator: PK

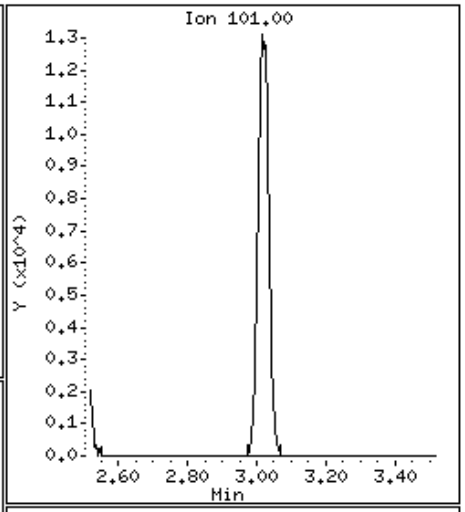
Column phase:

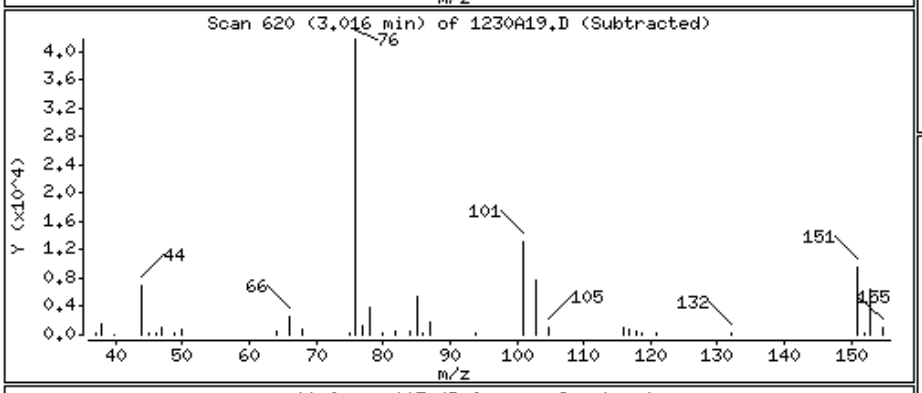
Column diameter: 0.18

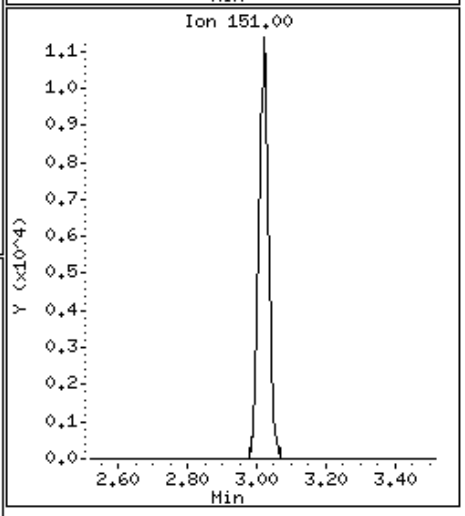
11 freon-113

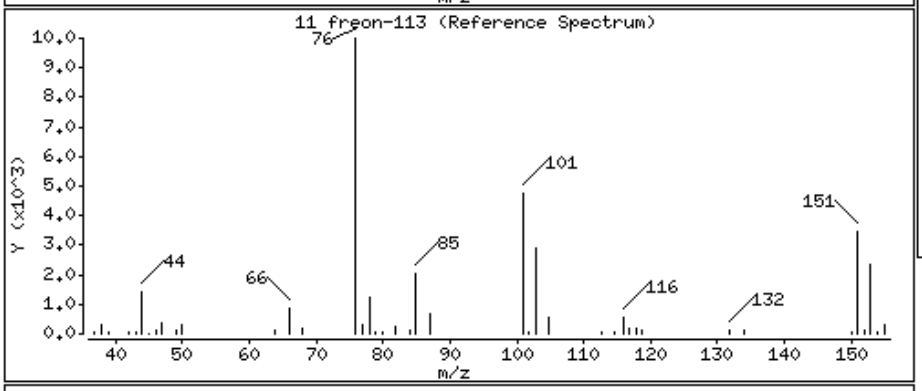
Concentration: 8.622 ngs

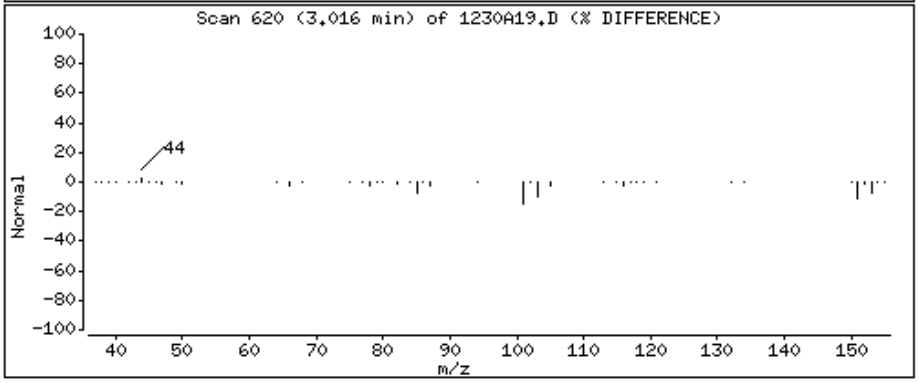












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

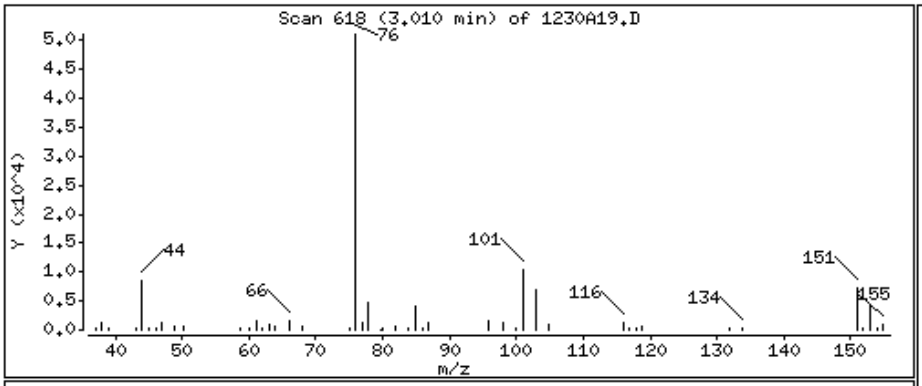
Operator: PK

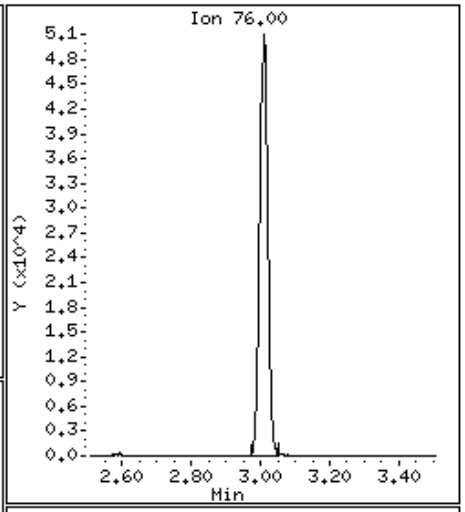
Column phase:

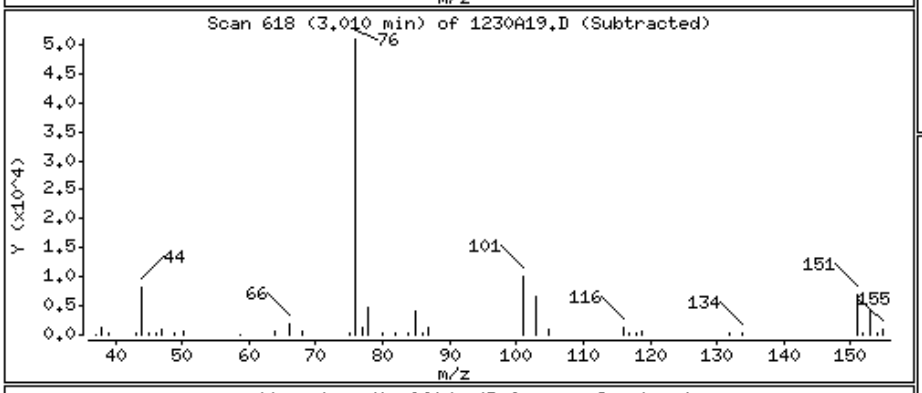
Column diameter: 0.18

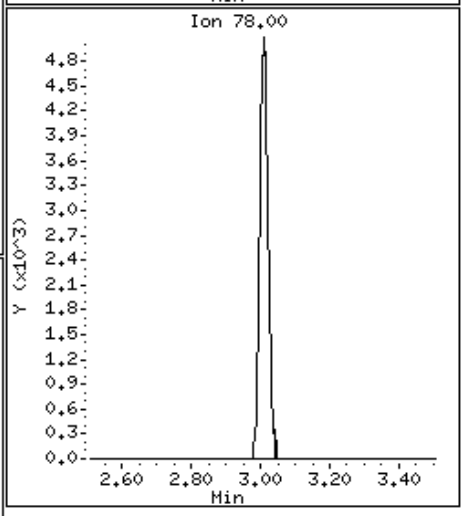
10 carbon disulfide

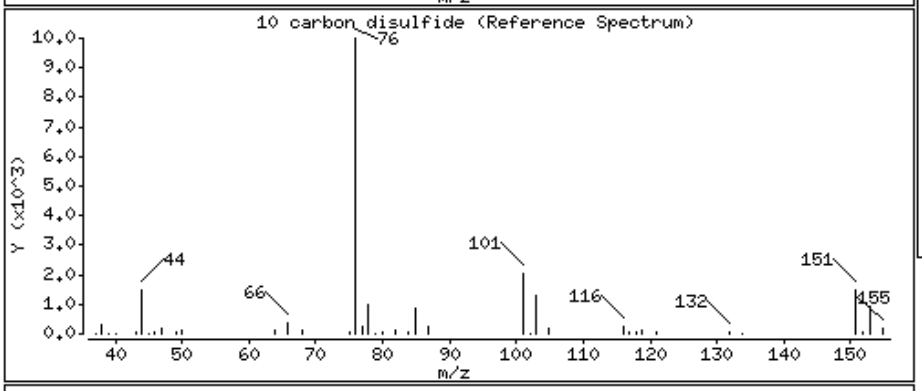
Concentration: 8.441 ngs

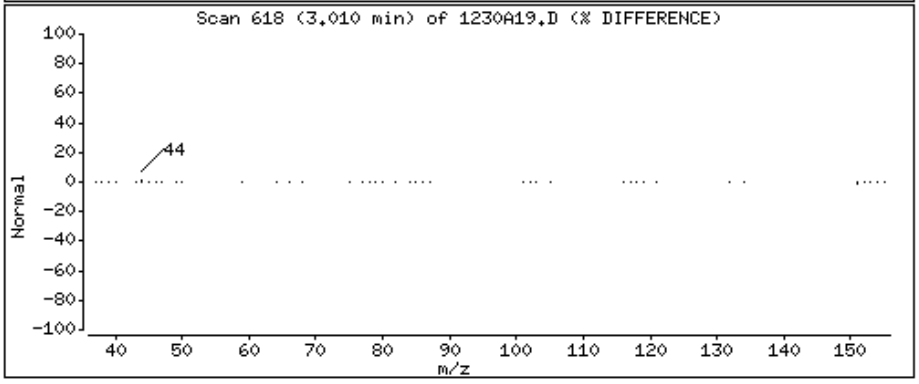












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

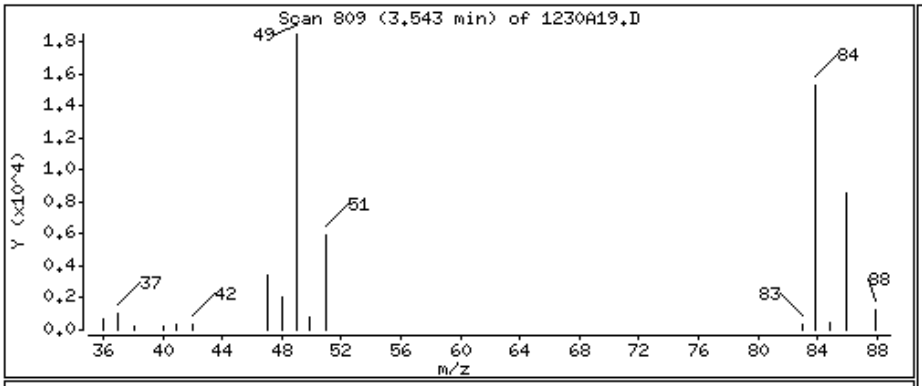
Operator: PK

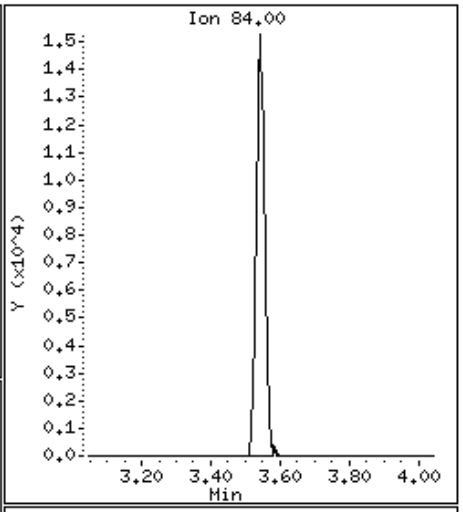
Column phase:

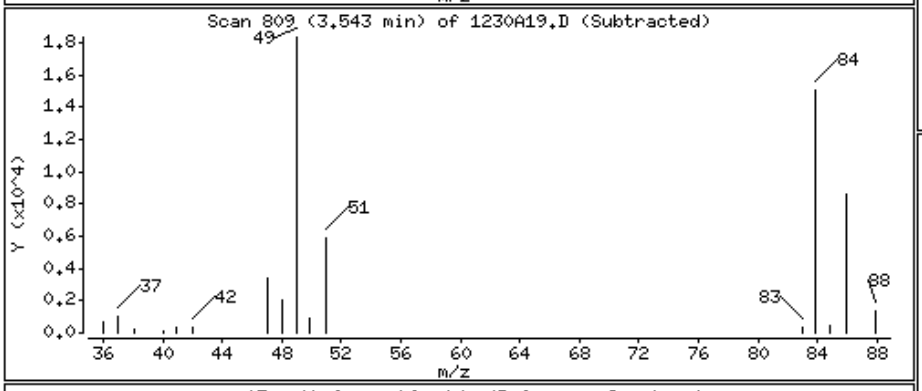
Column diameter: 0.18

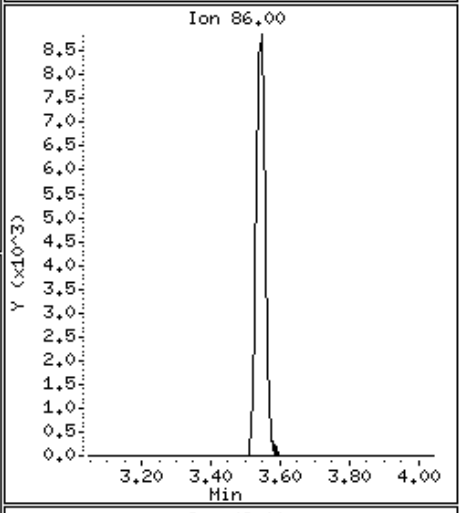
15 methylene chloride

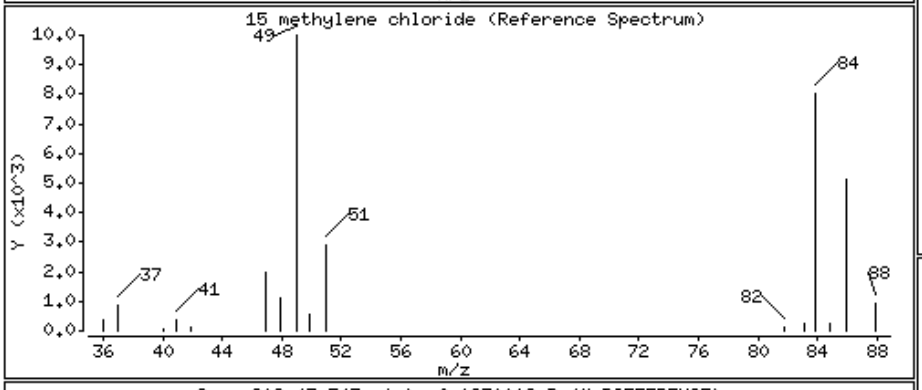
Concentration: 12.258 ngs

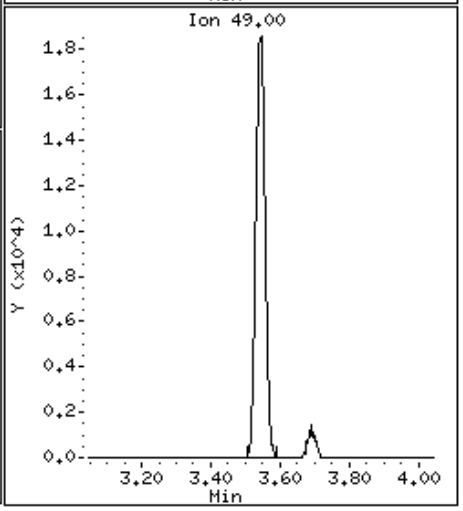


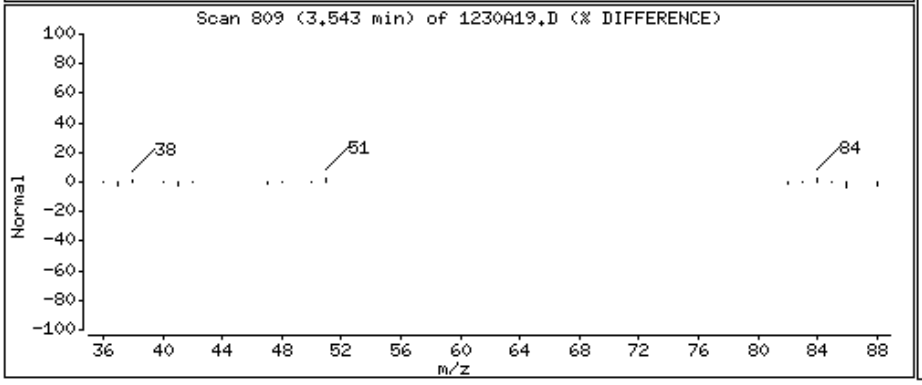












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

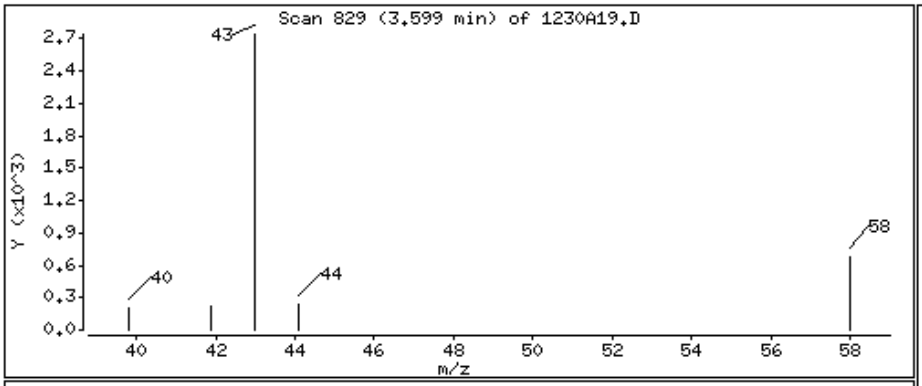
Operator: PK

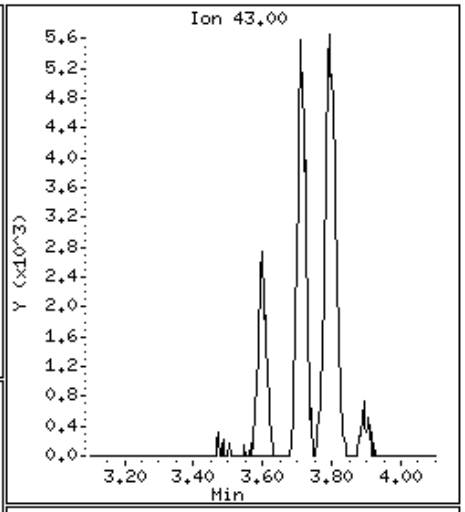
Column phase:

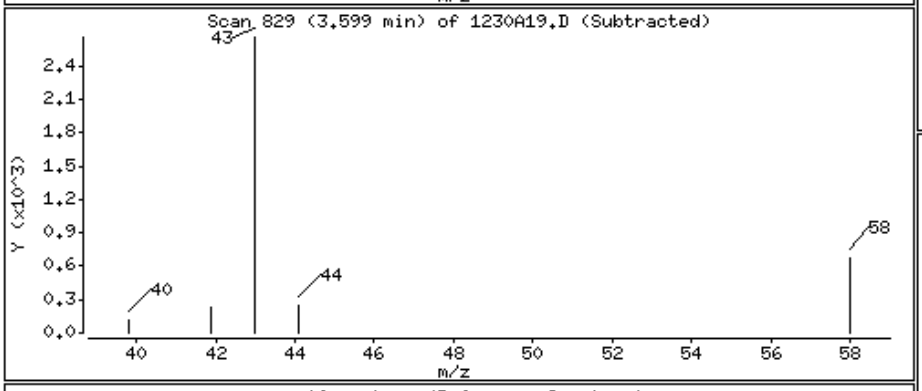
Column diameter: 0.18

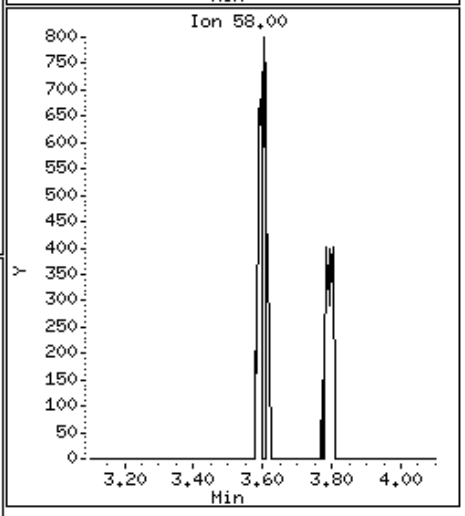
16 acetone

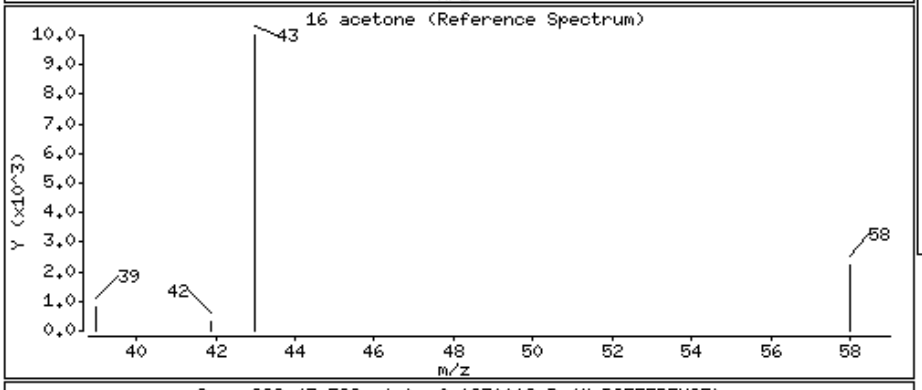
Concentration: 9.835 ngs

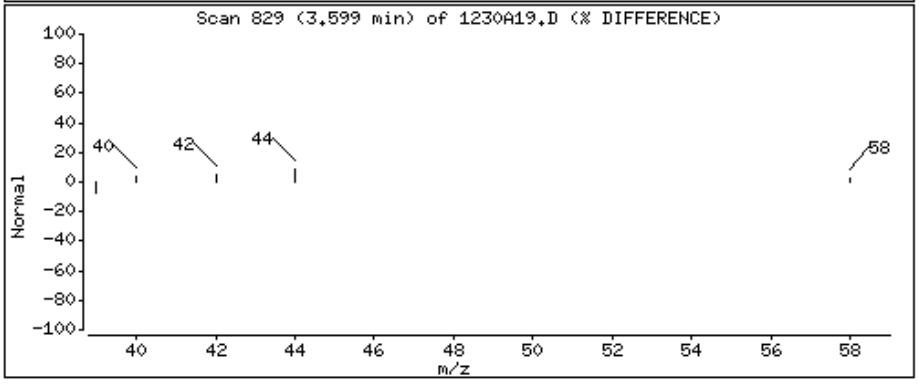












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

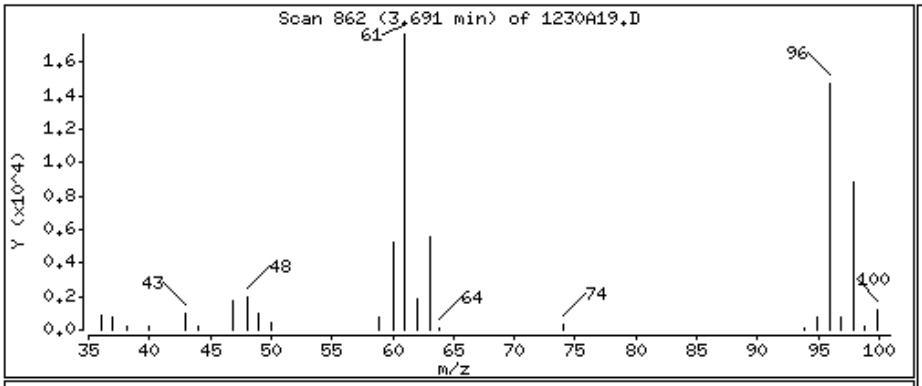
Operator: PK

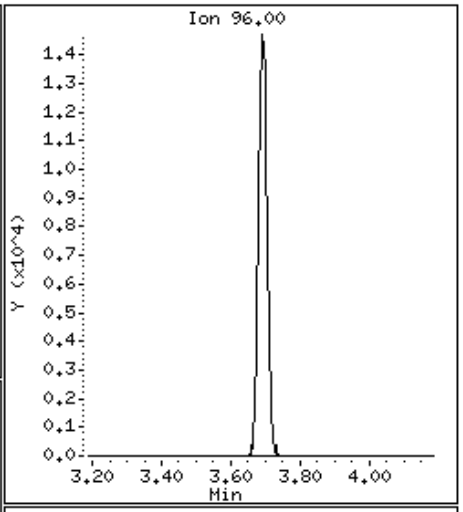
Column phase:

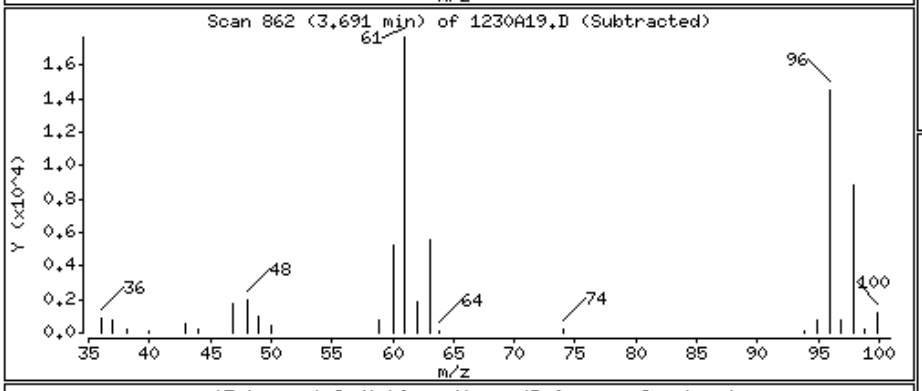
Column diameter: 0.18

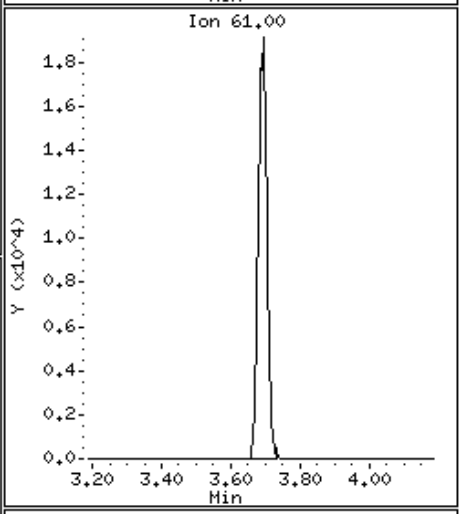
17 trans-1,2-dichloroethene

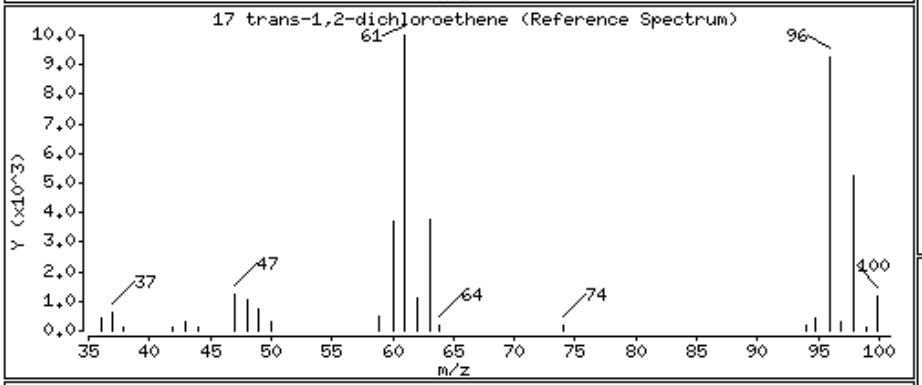
Concentration: 12.554 ngs

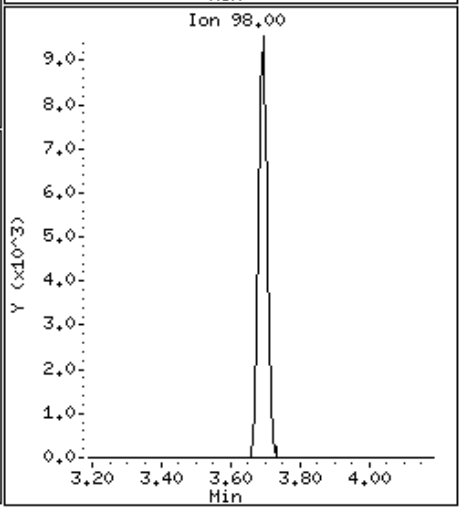


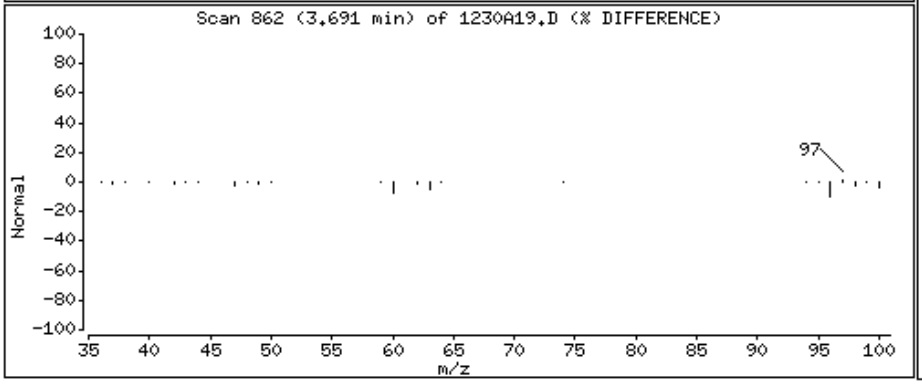












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

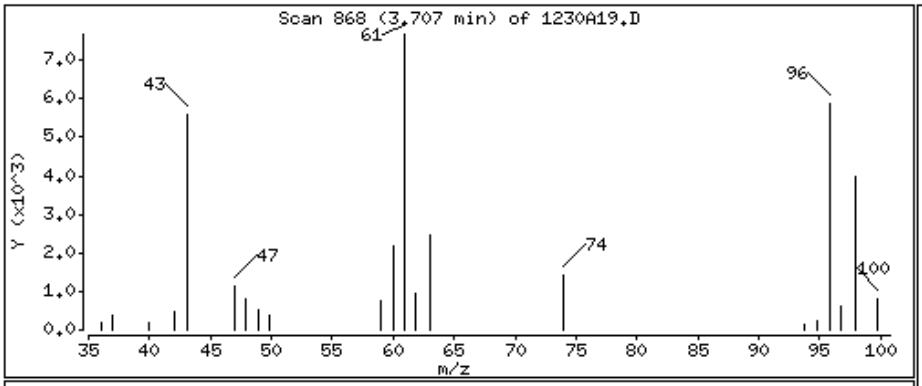
Operator: PK

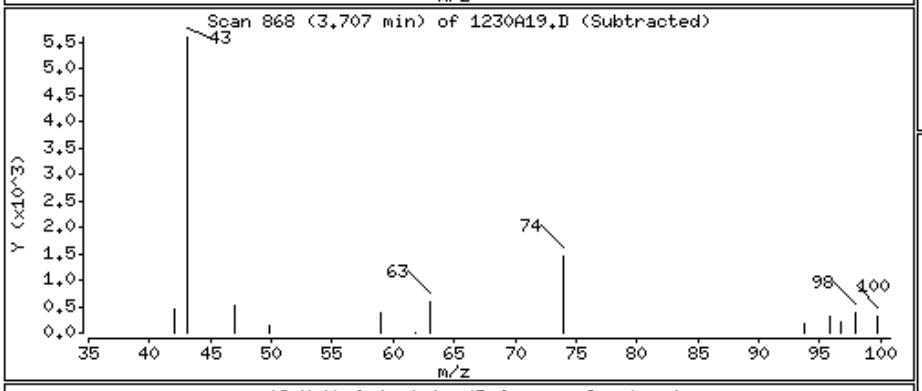
Column phase:

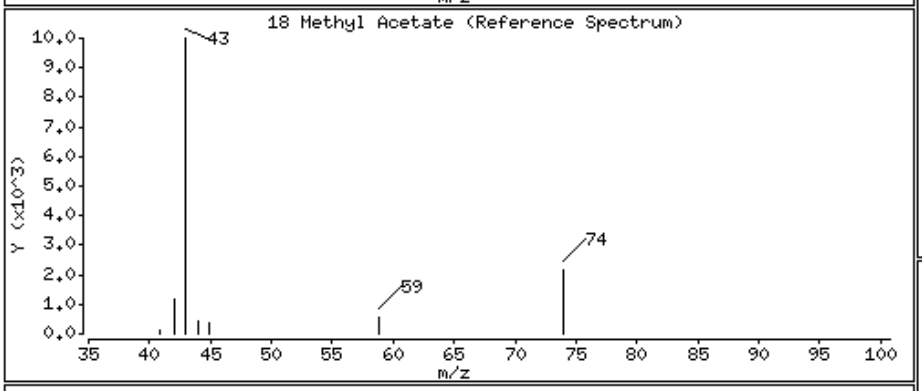
Column diameter: 0.18

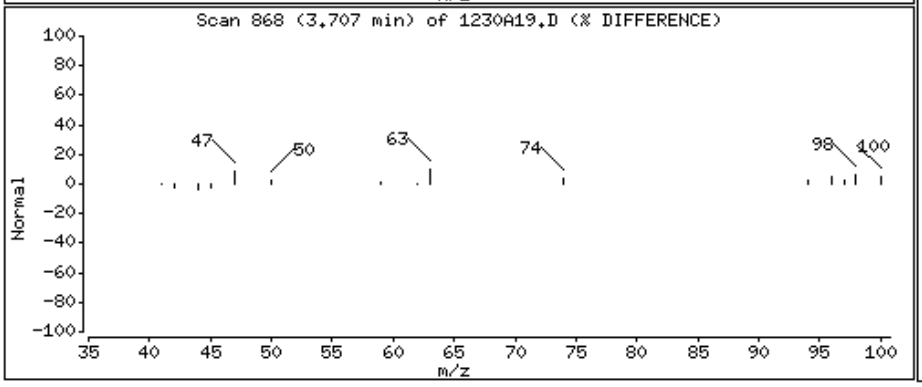
18 Methyl Acetate

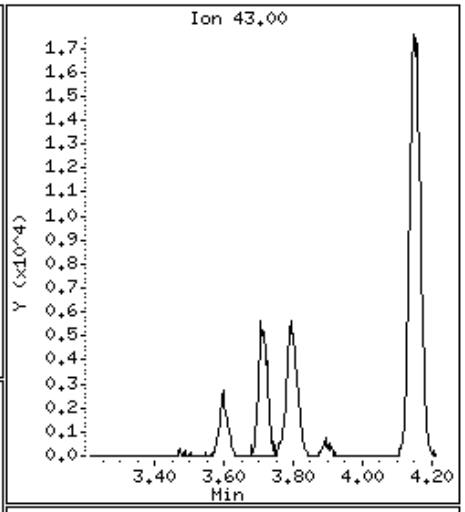
Concentration: 11.410 ngs

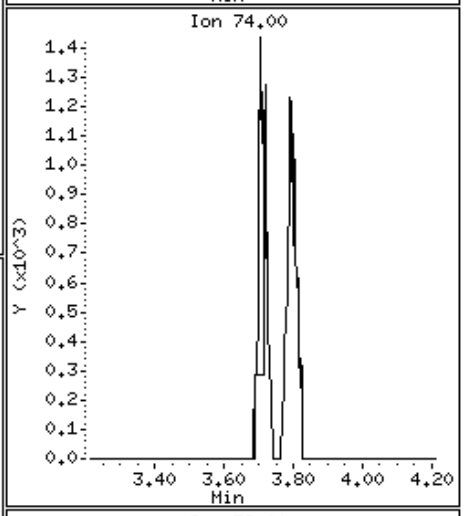


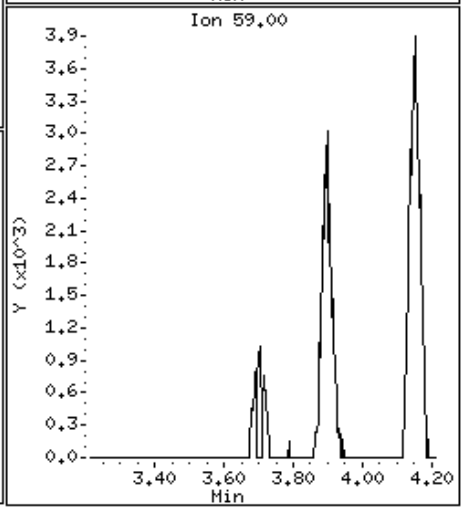












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

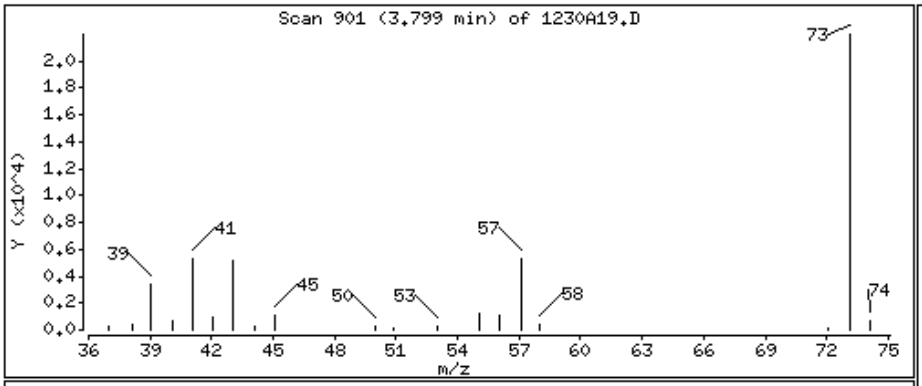
Operator: PK

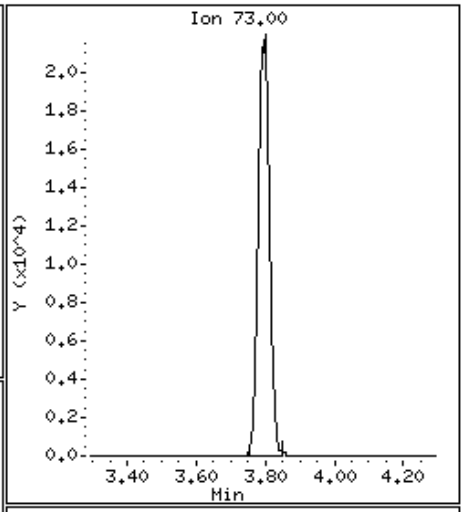
Column phase:

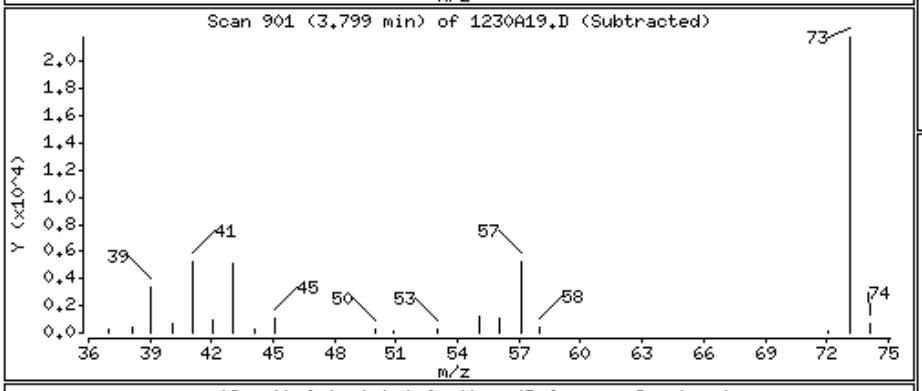
Column diameter: 0.18

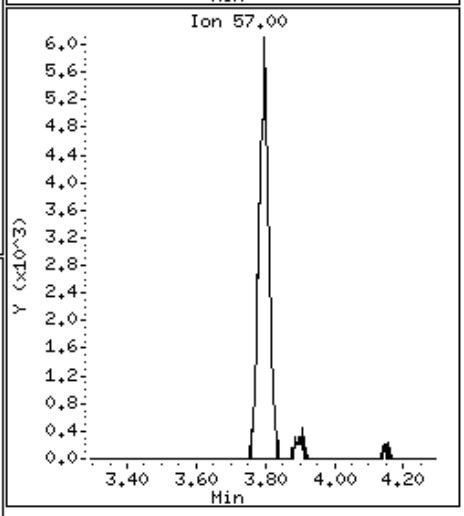
19 methyl tert butyl ether

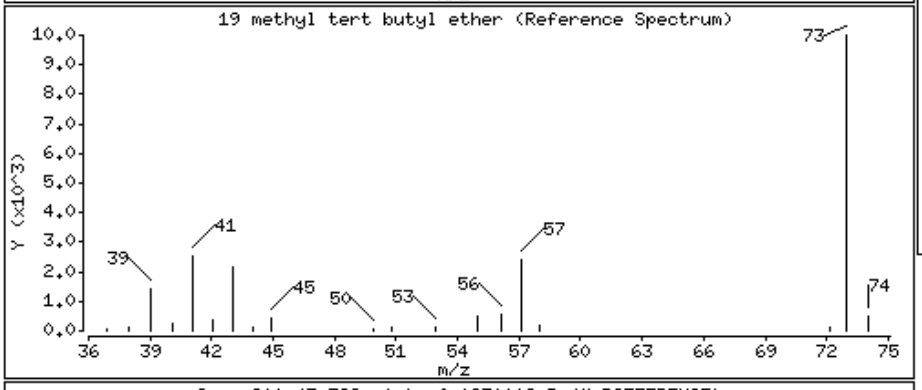
Concentration: 10.732 ngs

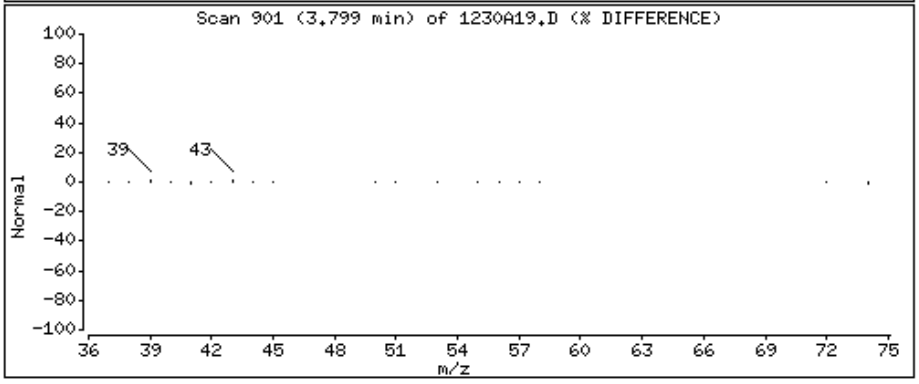












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

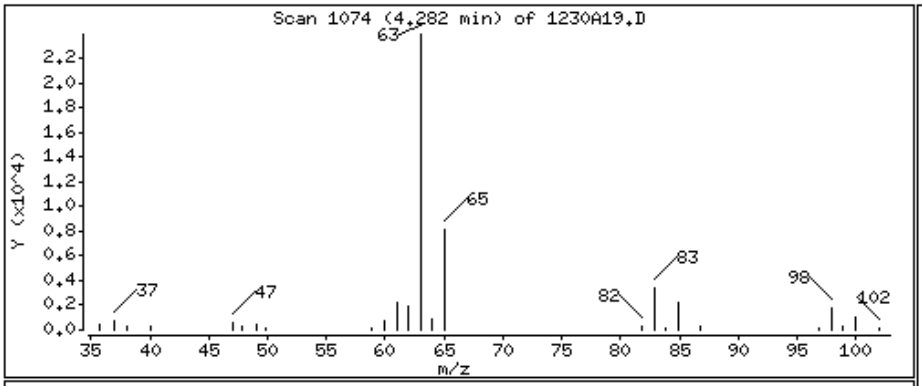
Operator: PK

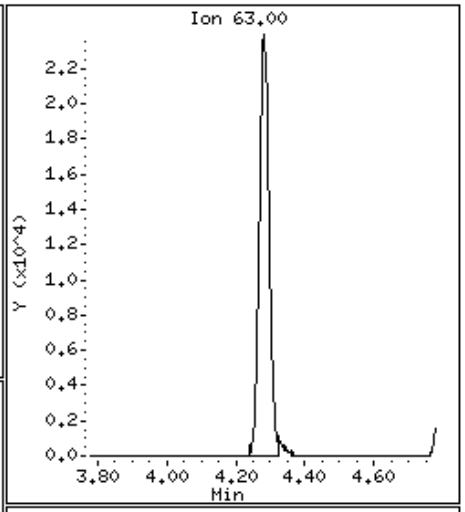
Column phase:

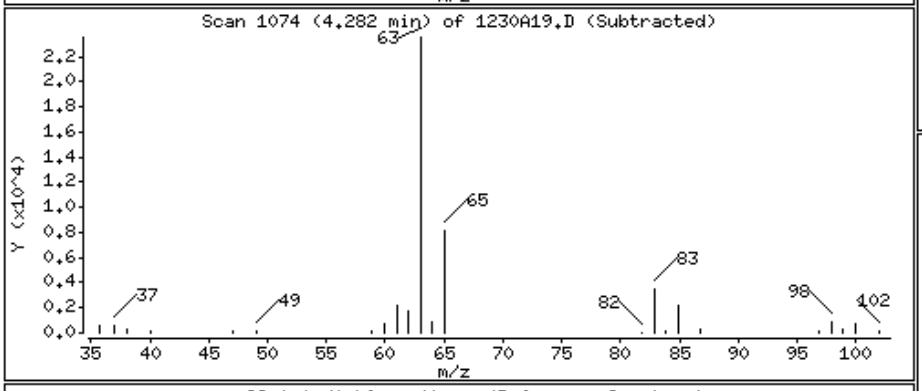
Column diameter: 0.18

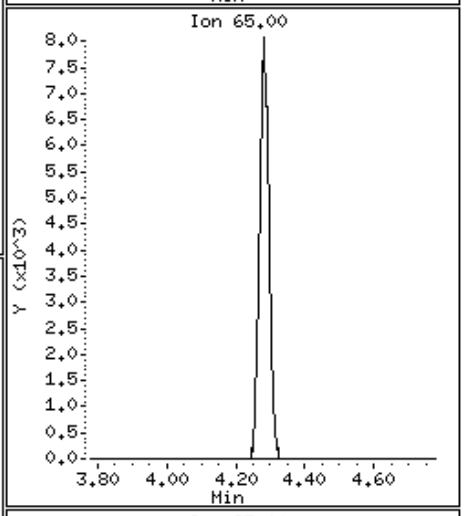
22 1,1-dichloroethane

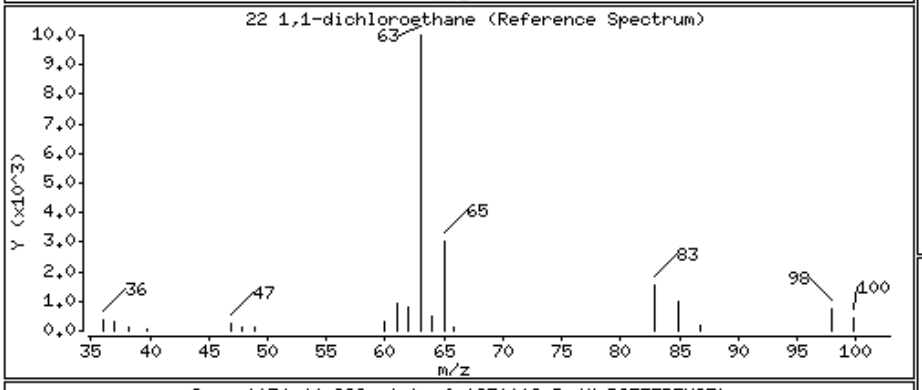
Concentration: 12.843 ngs

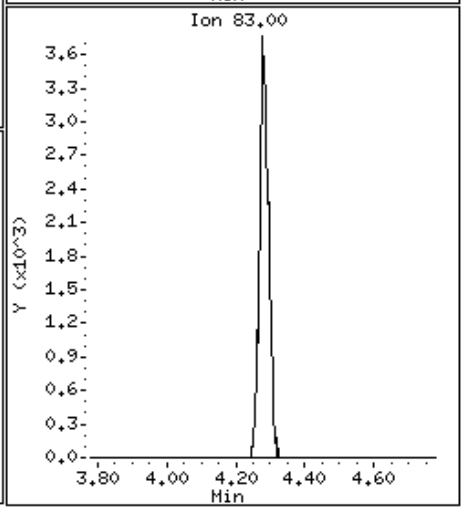


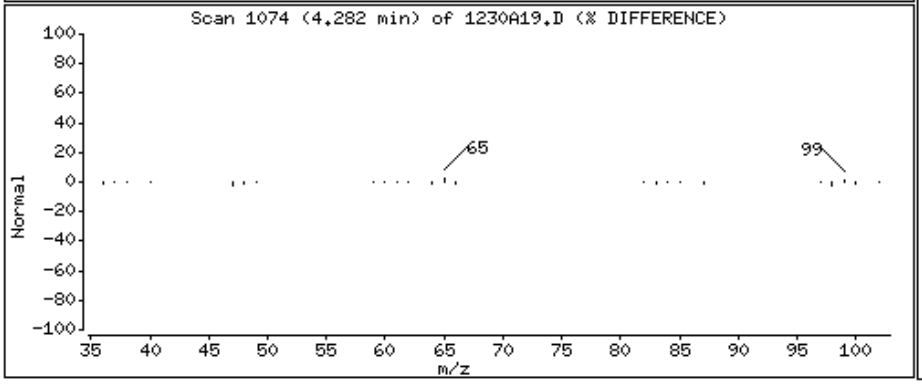












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

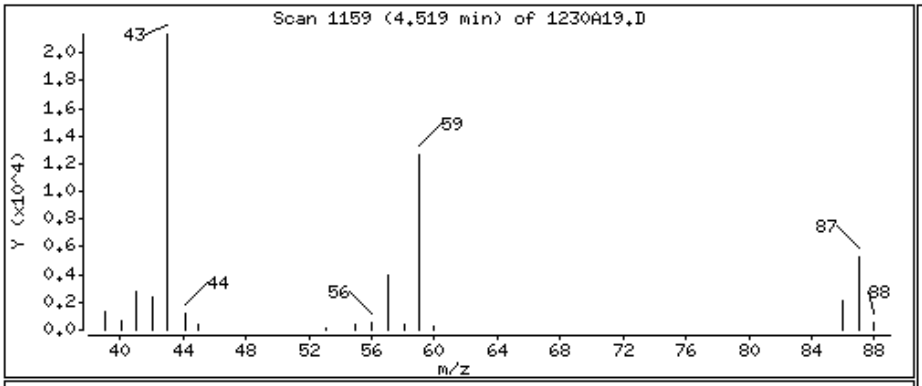
Operator: PK

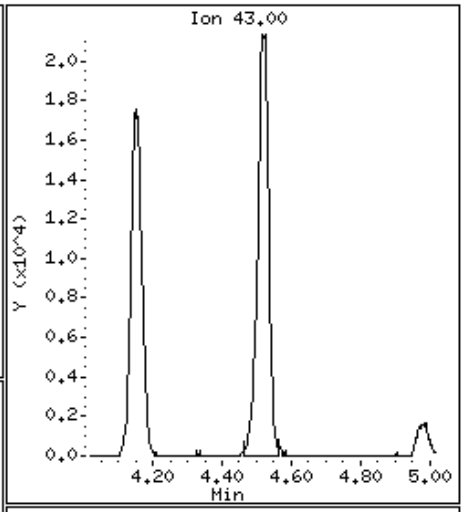
Column phase:

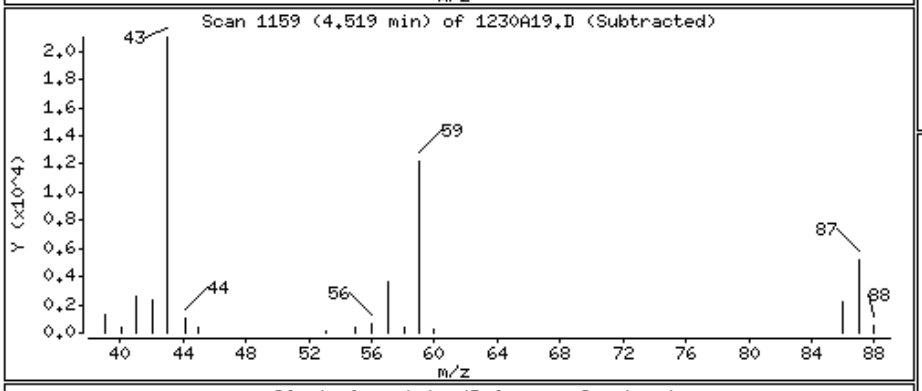
Column diameter: 0.18

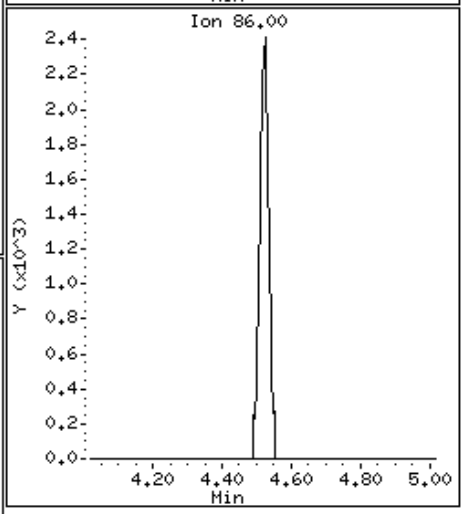
26 vinyl acetate

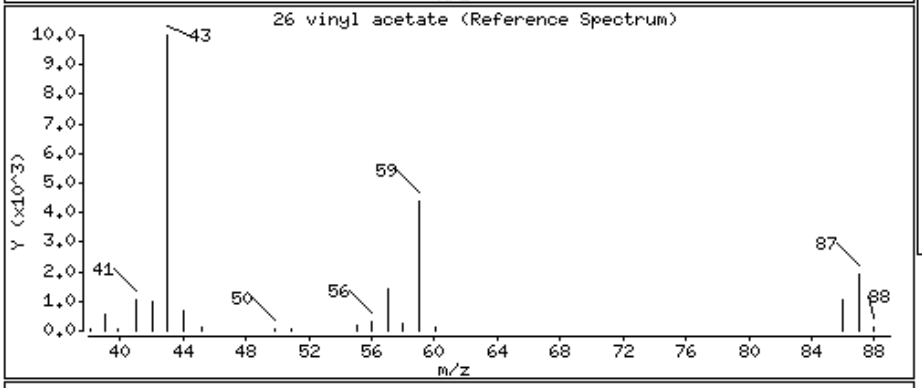
Concentration: 10.944 ngs

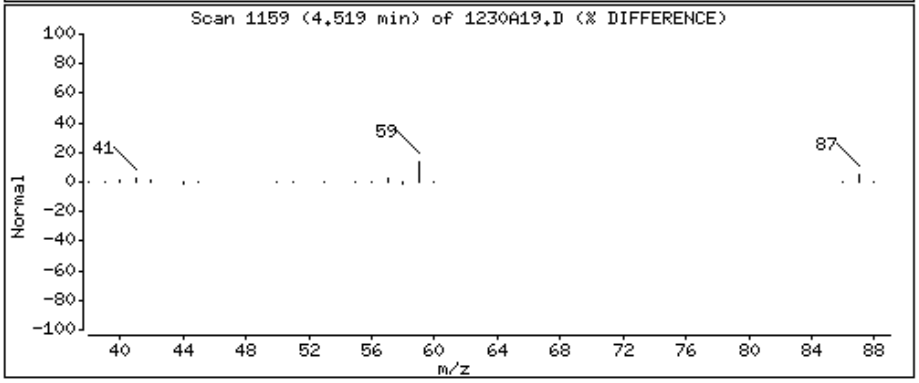












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

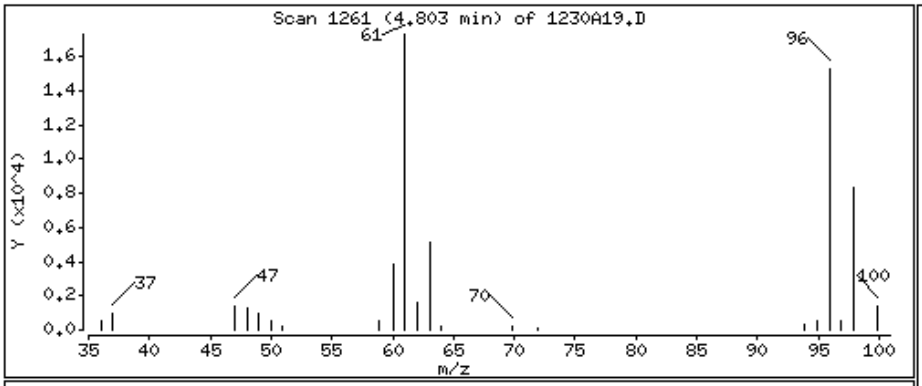
Operator: PK

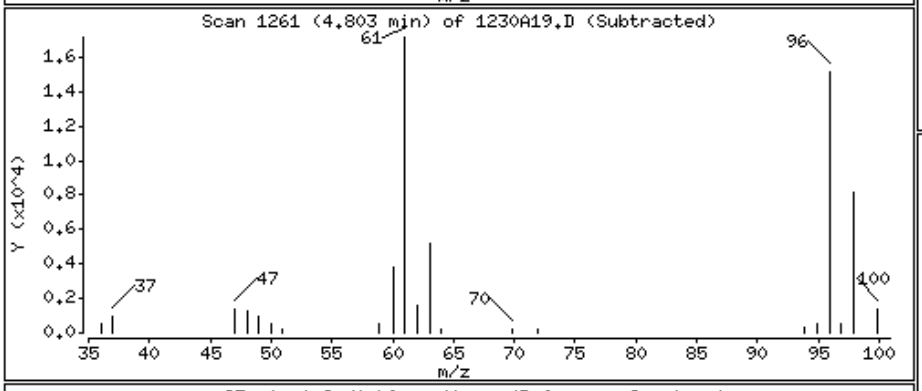
Column phase:

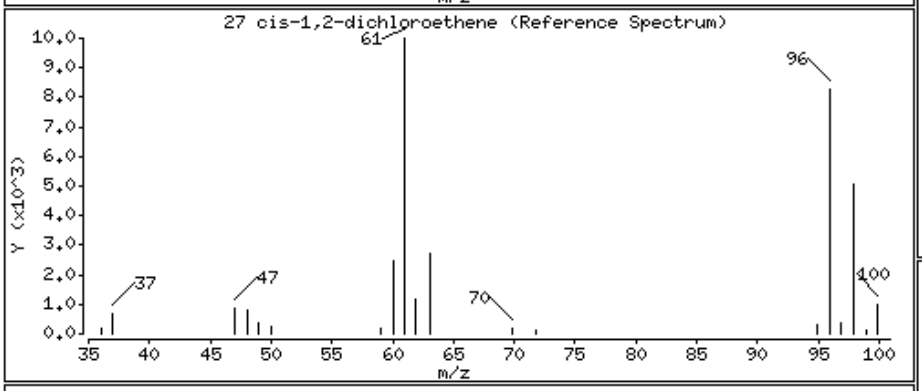
Column diameter: 0.18

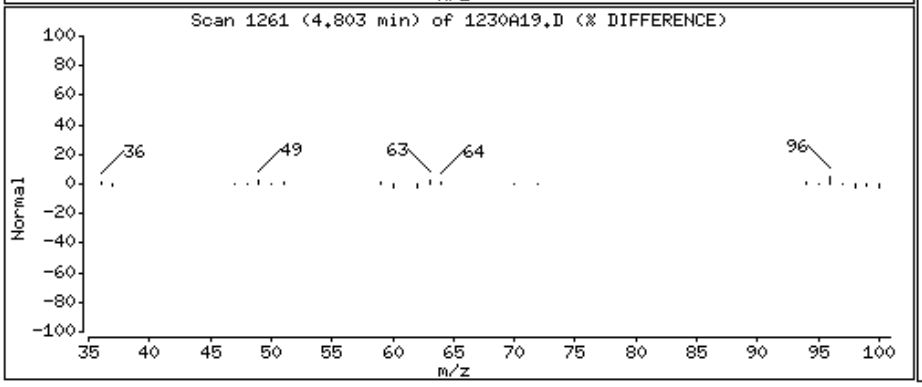
27 cis-1,2-dichloroethene

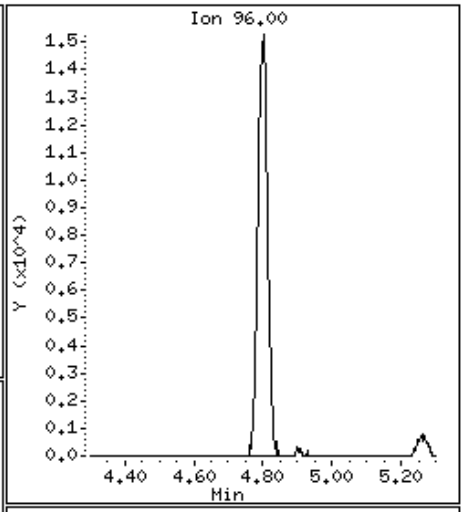
Concentration: 12.304 ngs

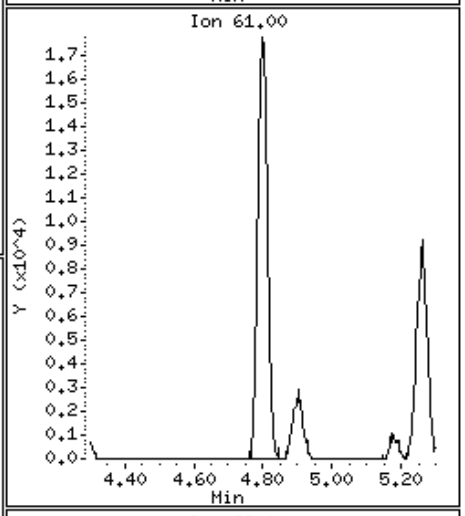


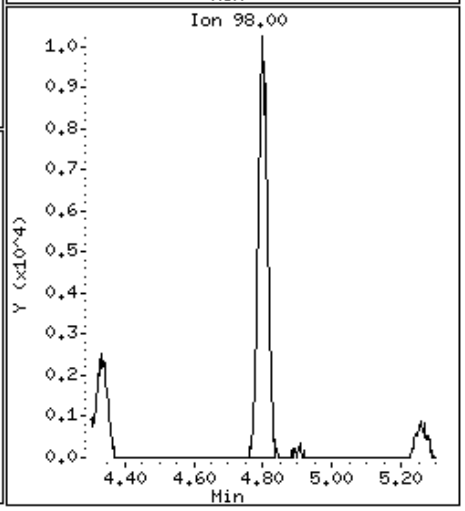












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

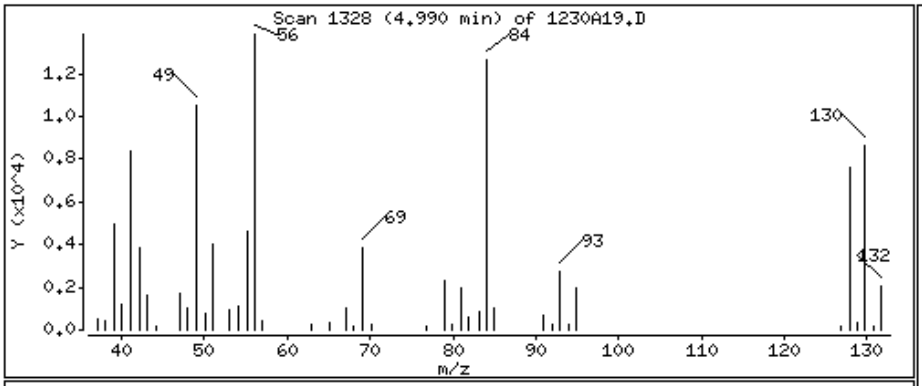
Operator: PK

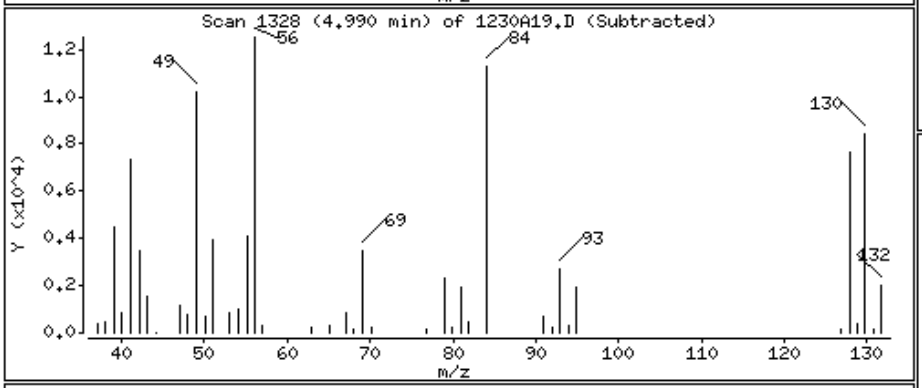
Column phase:

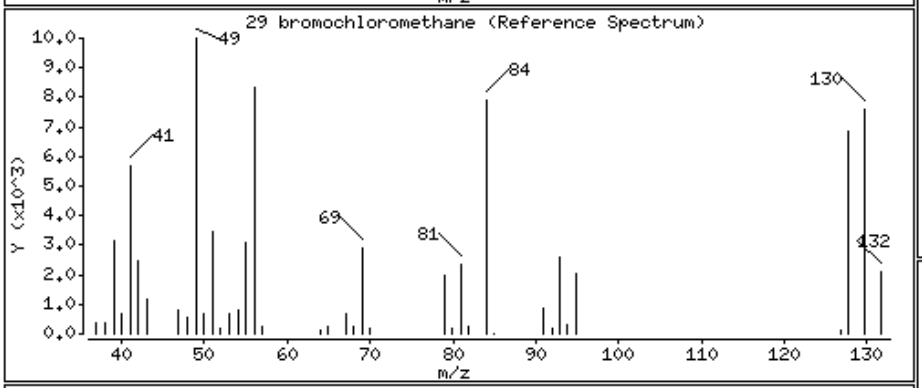
Column diameter: 0.18

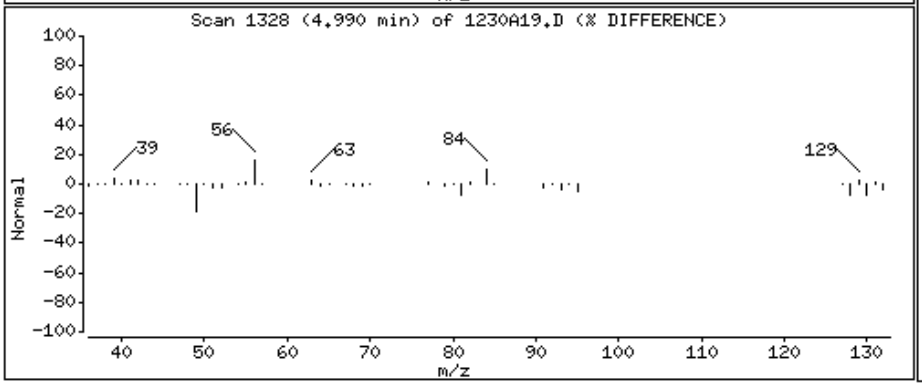
29 bromochloromethane

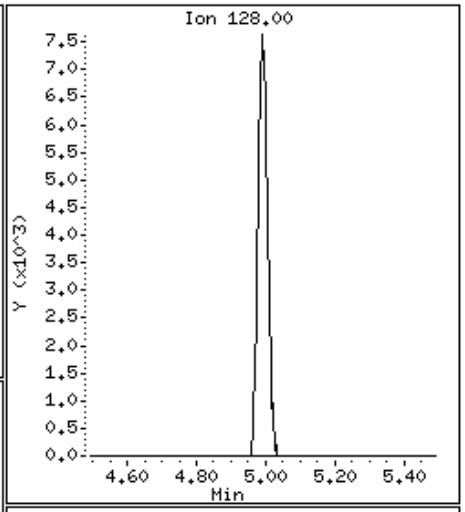
Concentration: 12.873 ngs

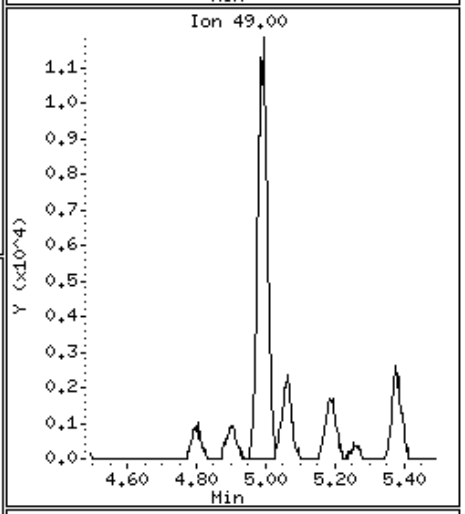


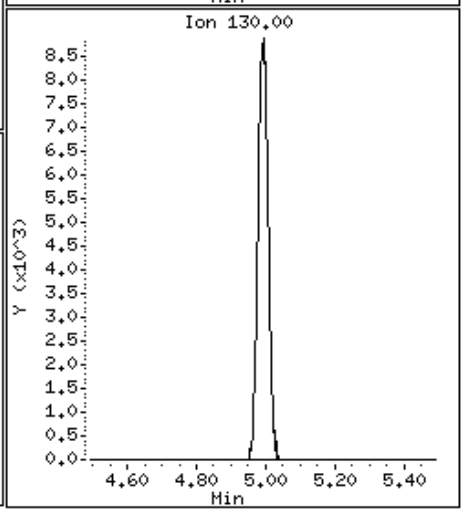












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

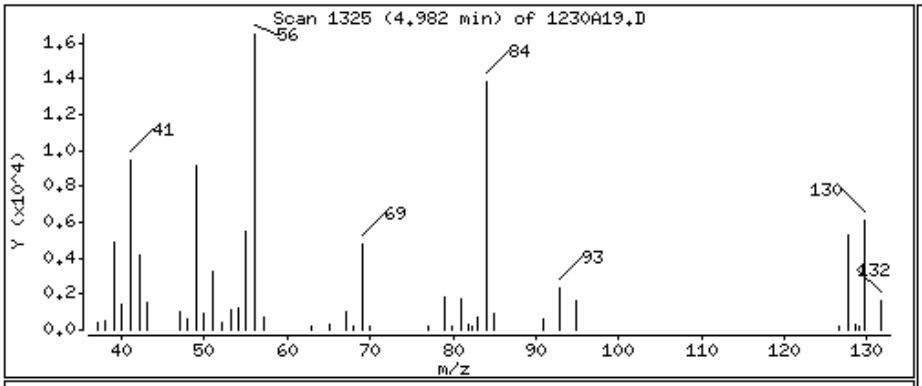
Operator: PK

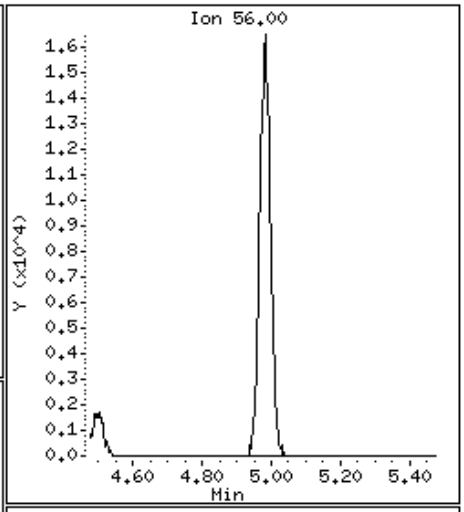
Column phase:

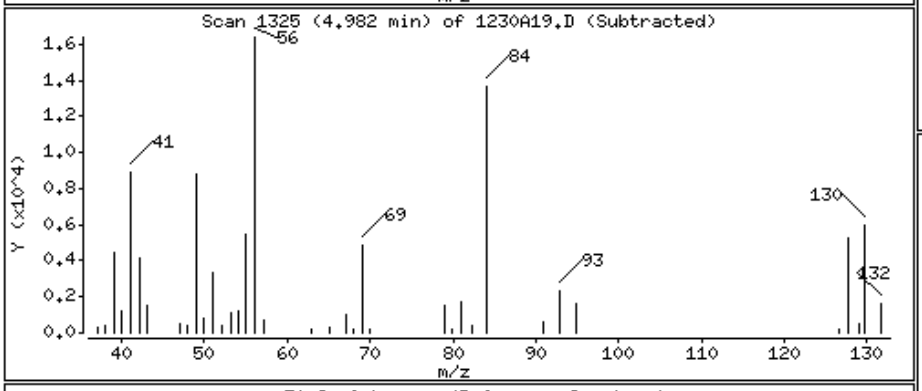
Column diameter: 0.18

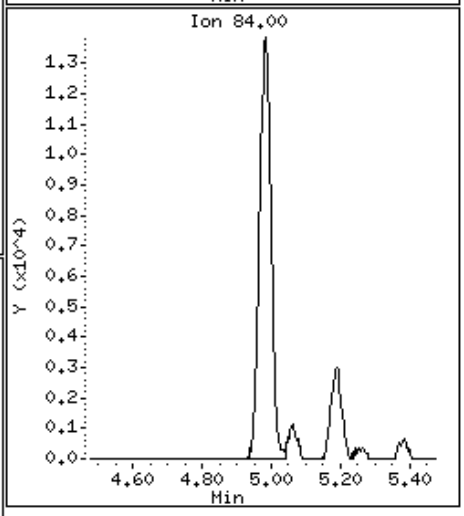
30 Cyclohexane

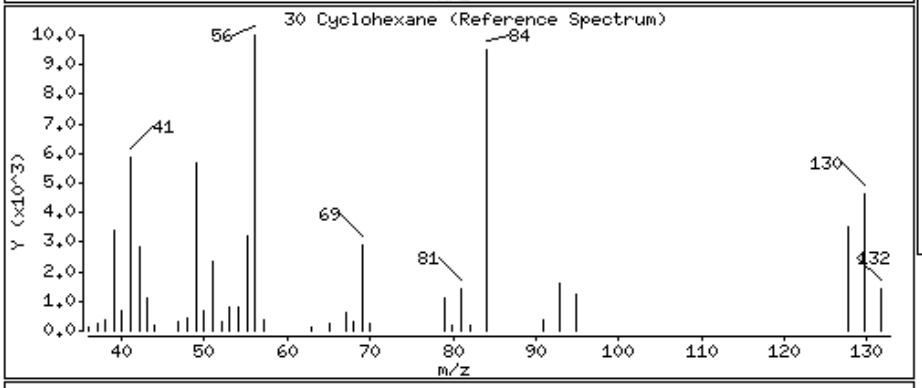
Concentration: 11.916 ngs

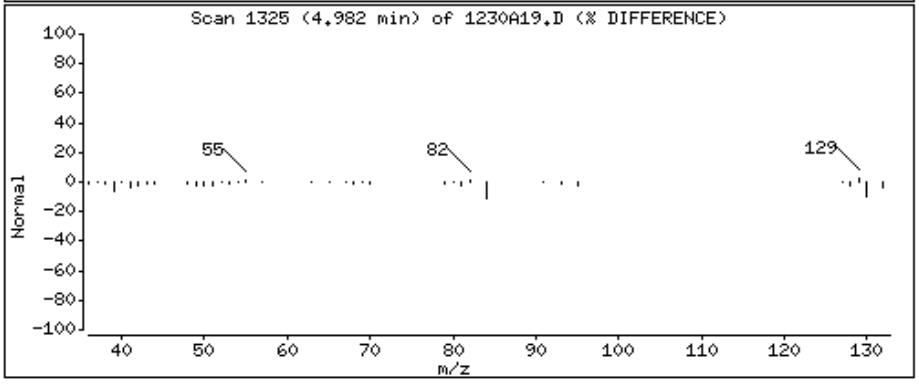












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

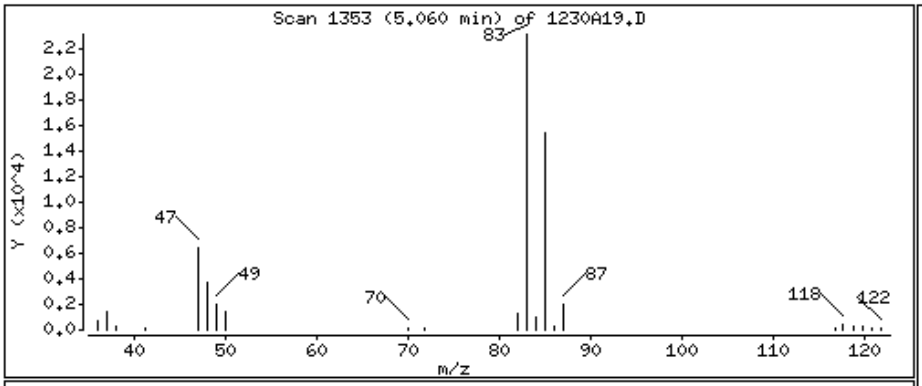
Operator: PK

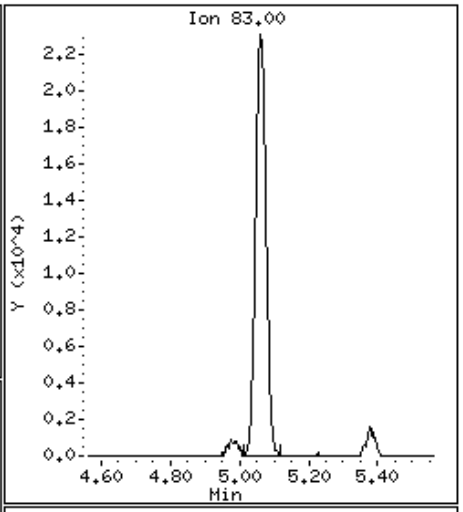
Column phase:

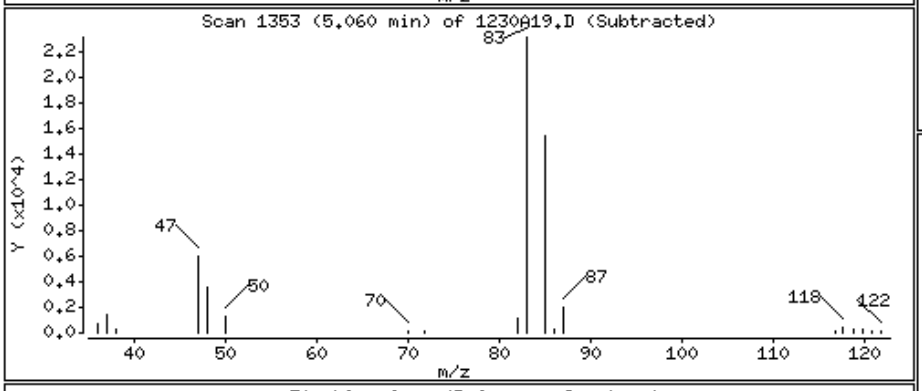
Column diameter: 0.18

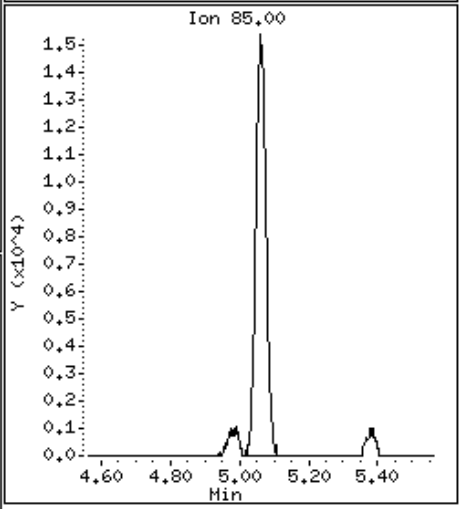
31 chloroform

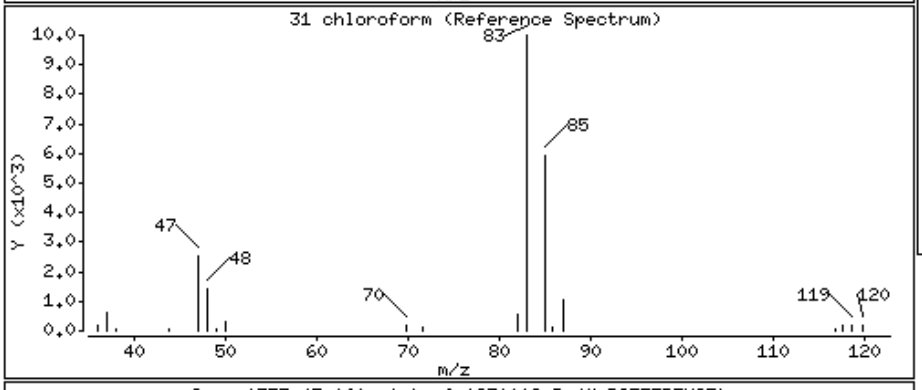
Concentration: 12.274 ngs

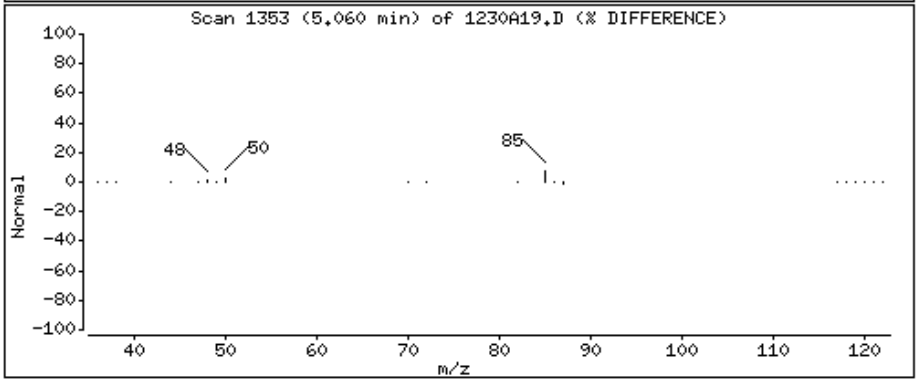












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

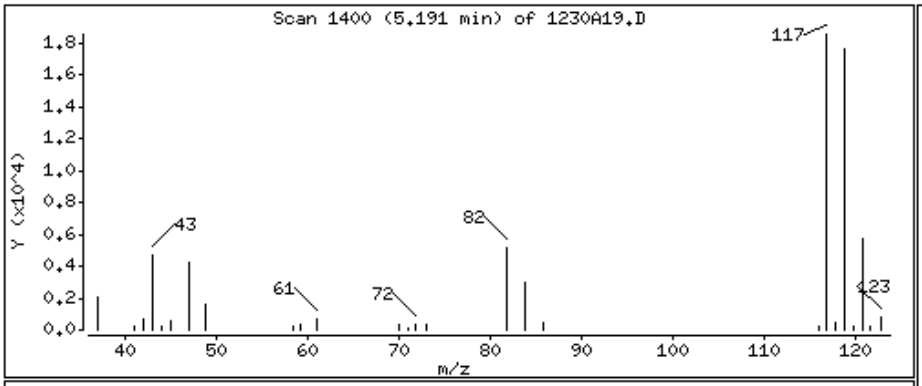
Operator: PK

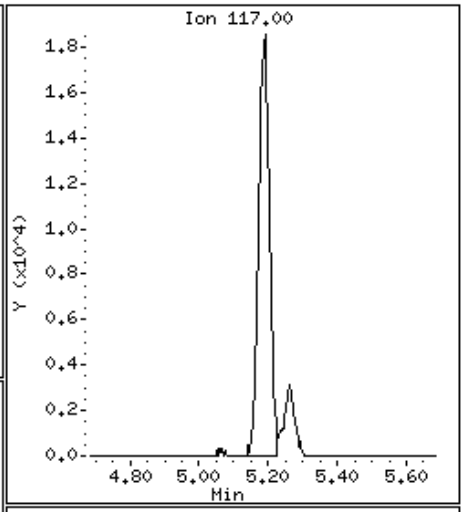
Column phase:

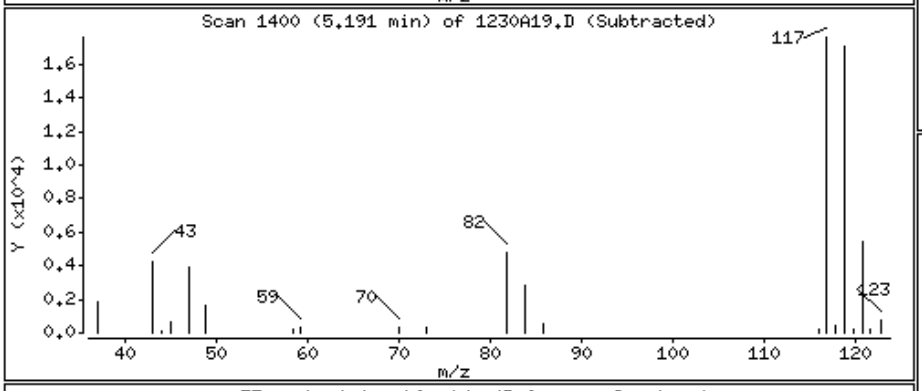
Column diameter: 0.18

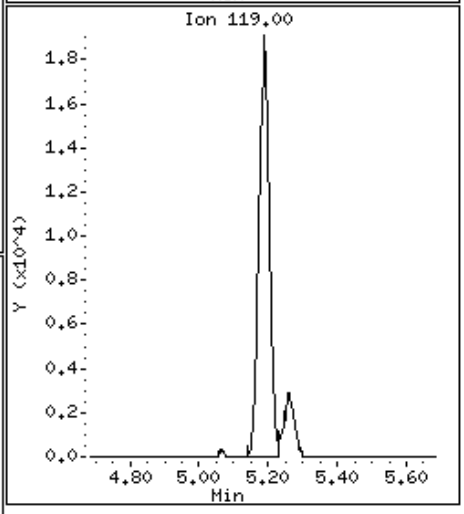
33 carbontetrachloride

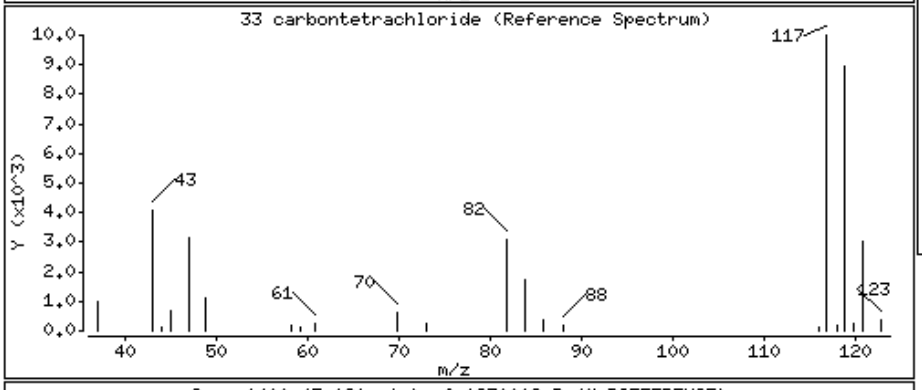
Concentration: 12.947 ngs

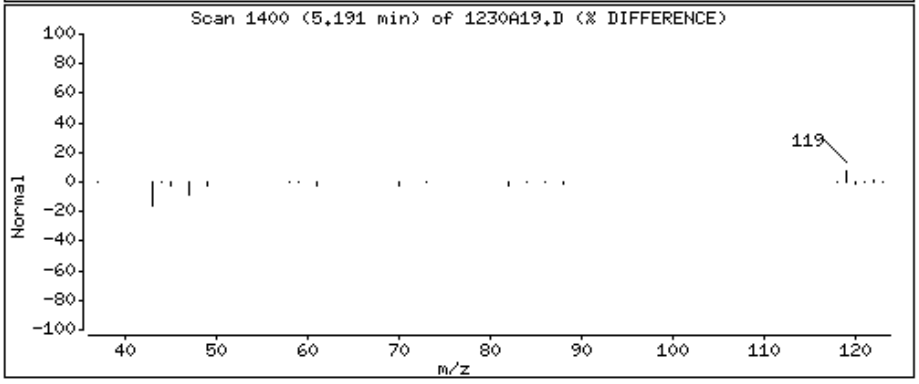












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

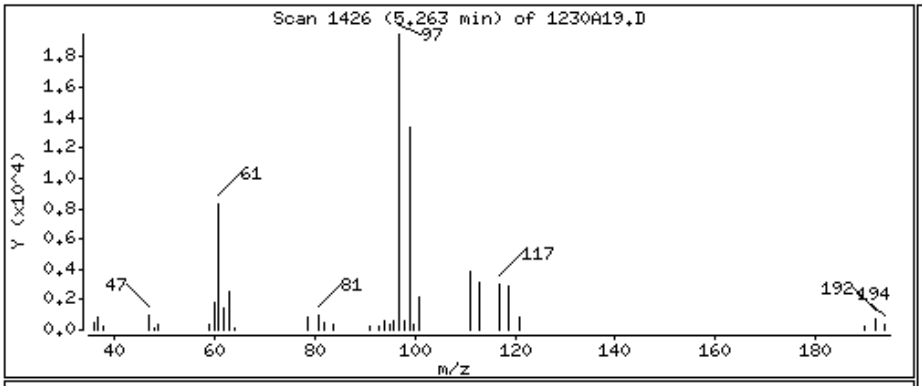
Operator: PK

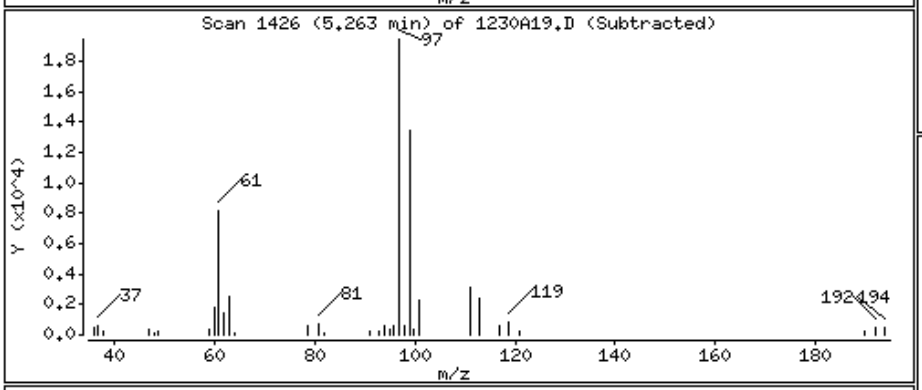
Column phase:

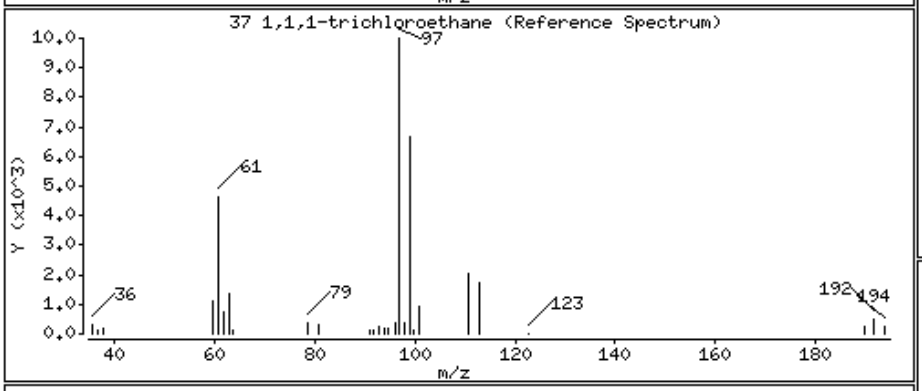
Column diameter: 0.18

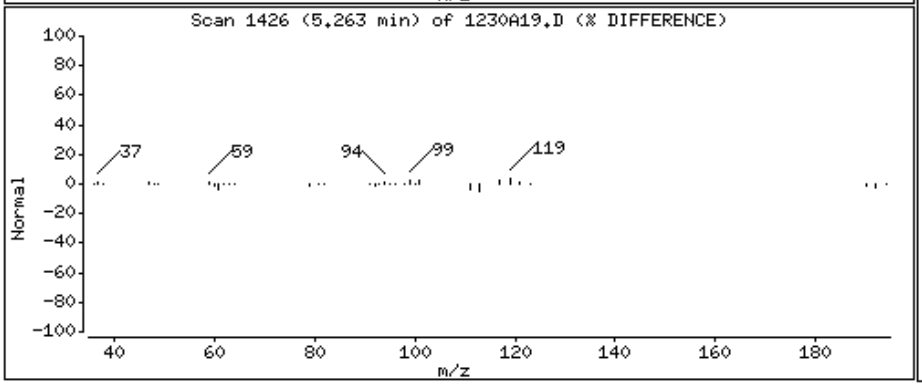
37 1,1,1-trichloroethane

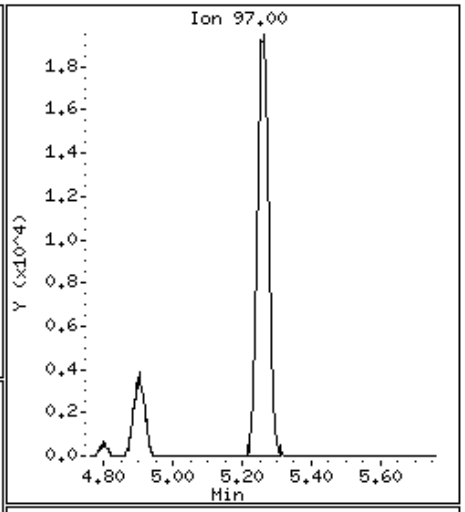
Concentration: 13.141 ngs

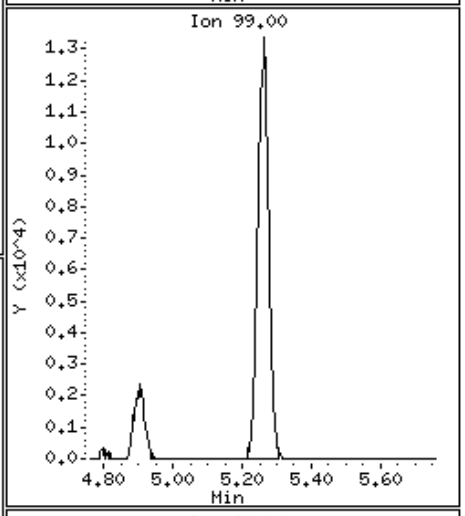


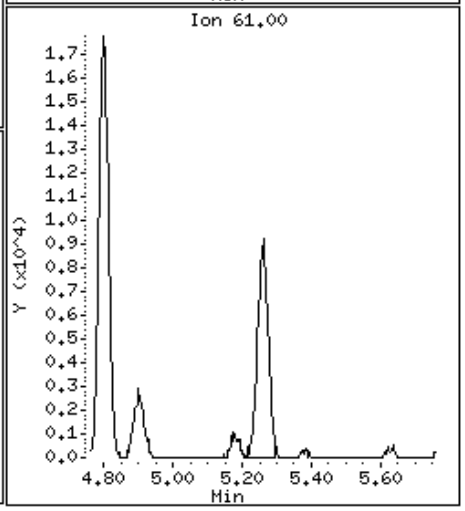












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

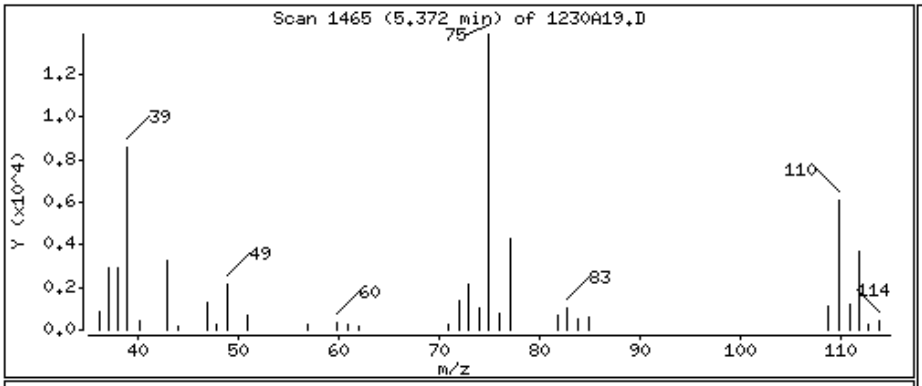
Operator: PK

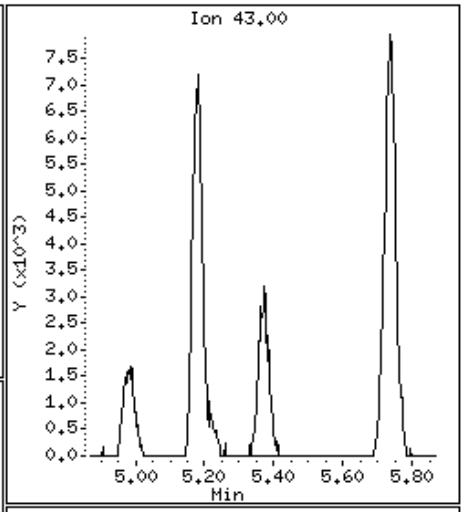
Column phase:

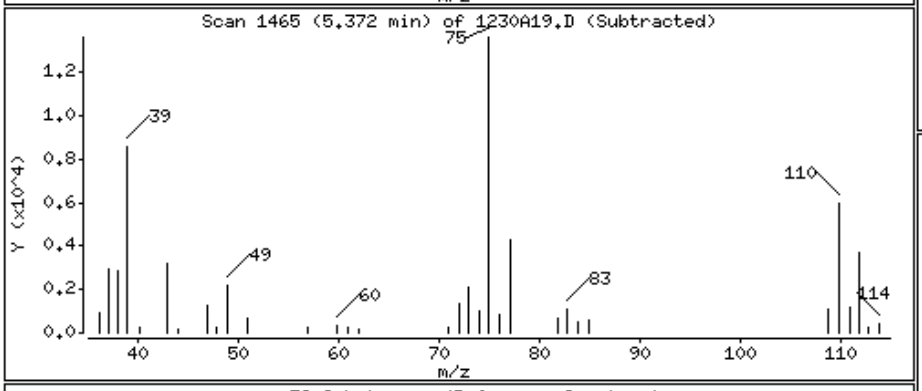
Column diameter: 0.18

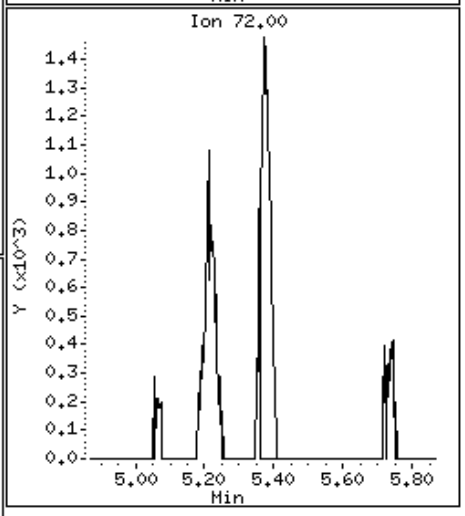
38 2-butanone

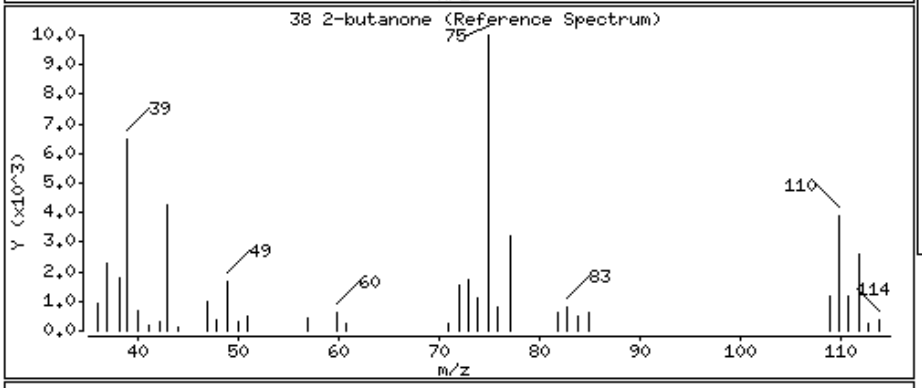
Concentration: 10.055 ngs

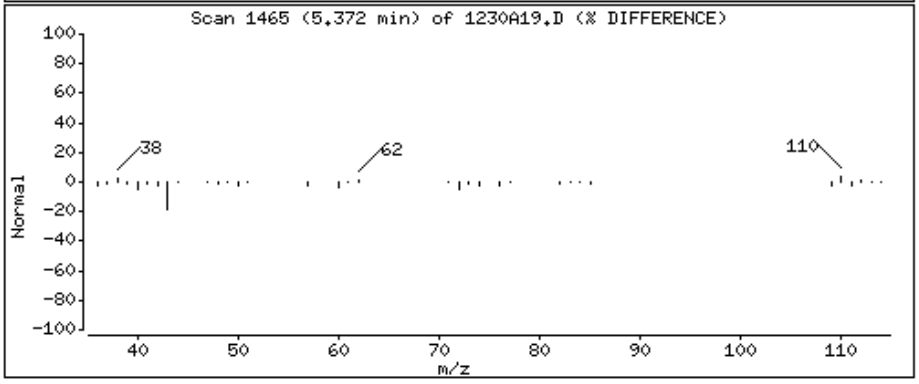












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

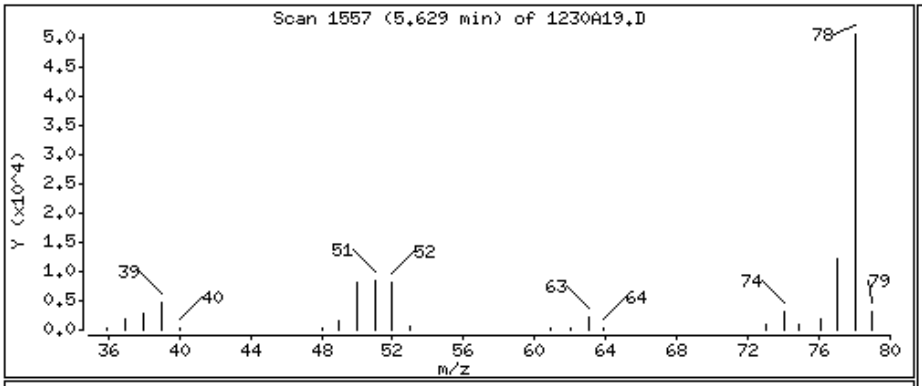
Operator: PK

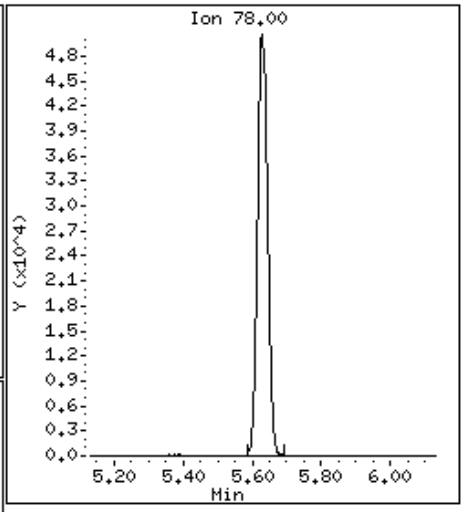
Column phase:

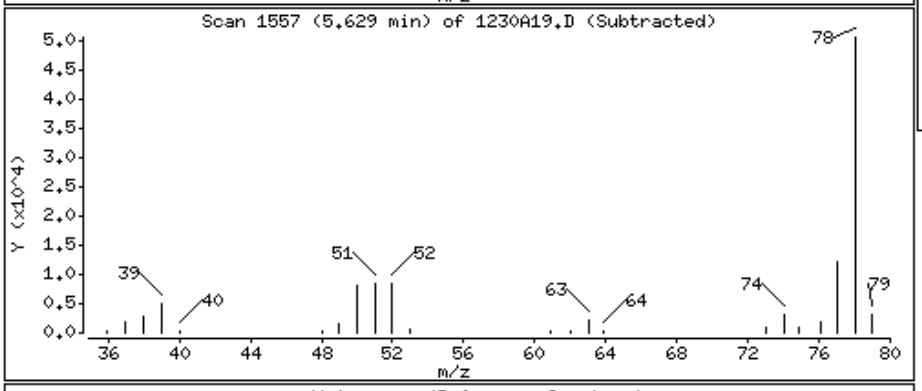
Column diameter: 0.18

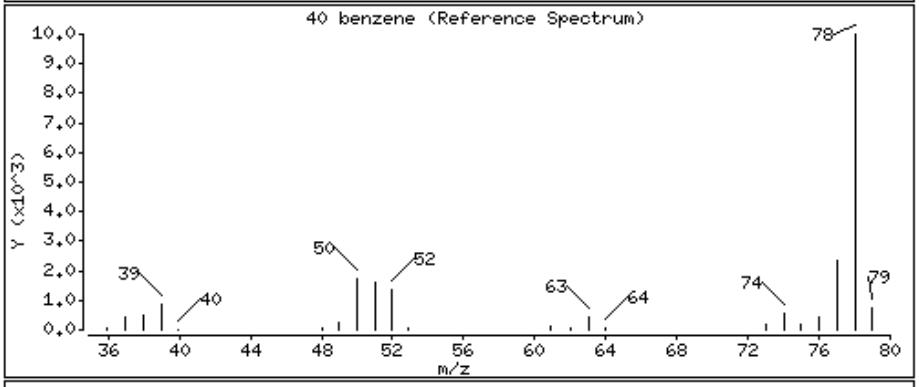
40 benzene

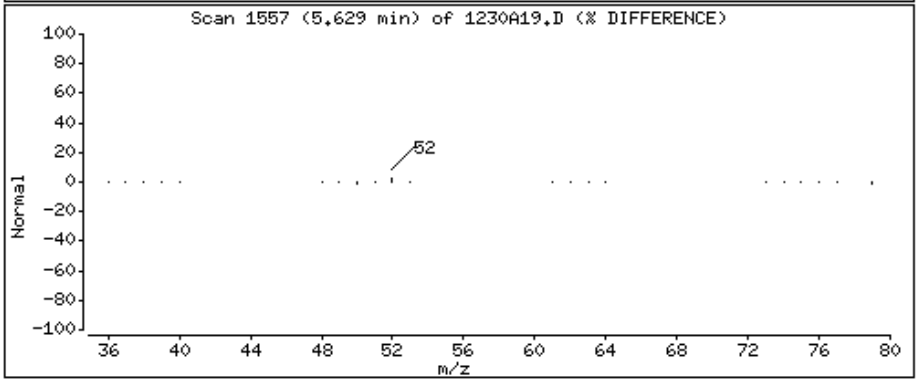
Concentration: 12.151 ngs











Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

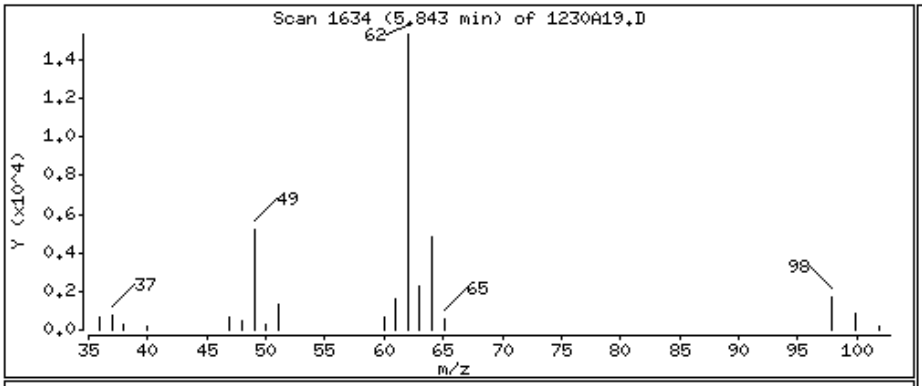
Operator: PK

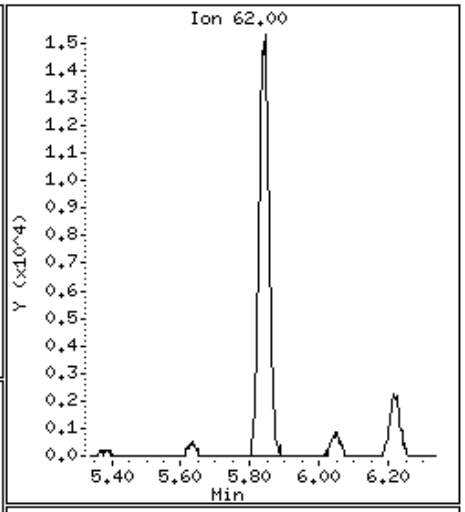
Column phase:

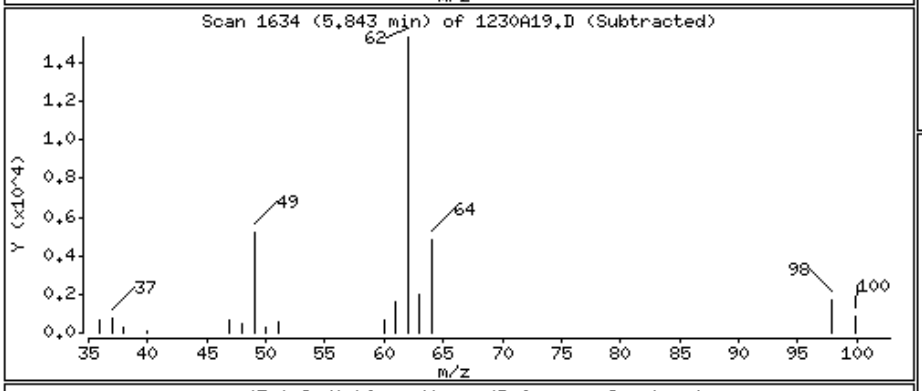
Column diameter: 0.18

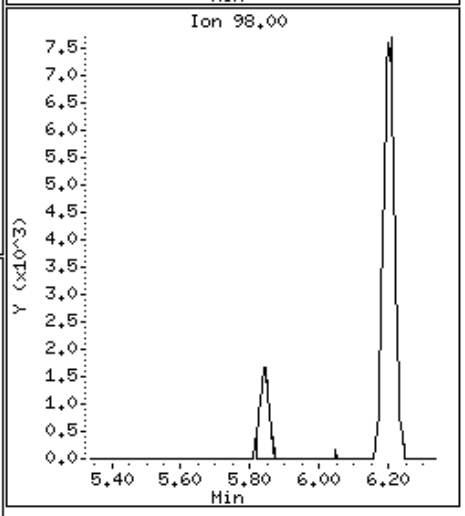
43 1,2-dichloroethane

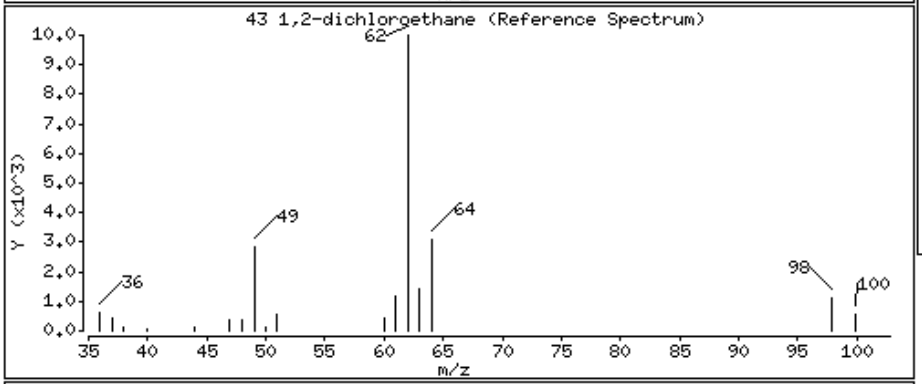
Concentration: 11.431 ngs

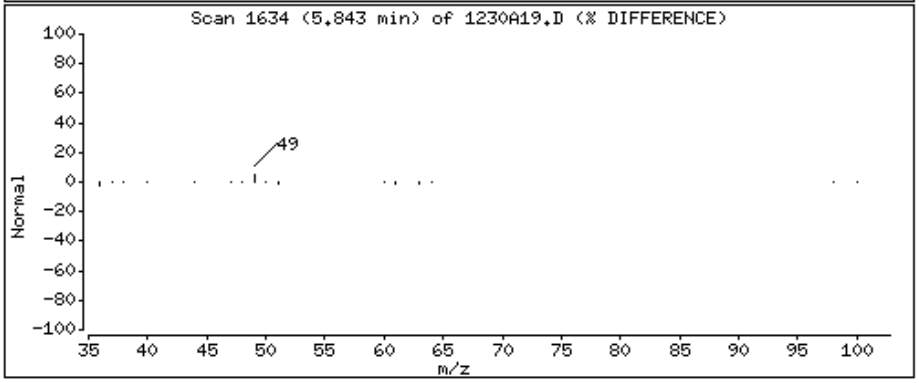












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

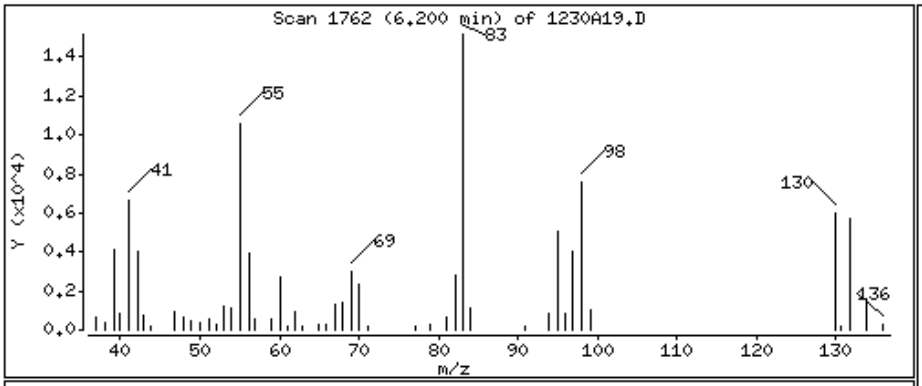
Operator: PK

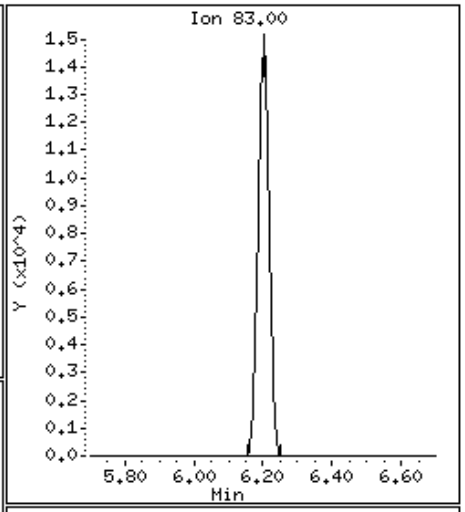
Column phase:

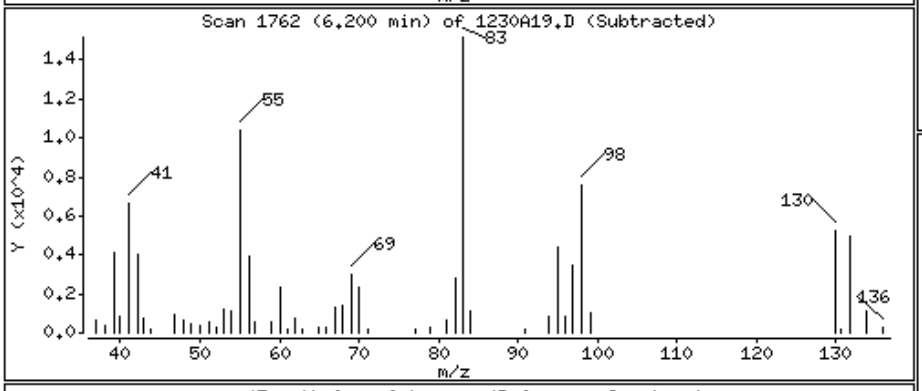
Column diameter: 0.18

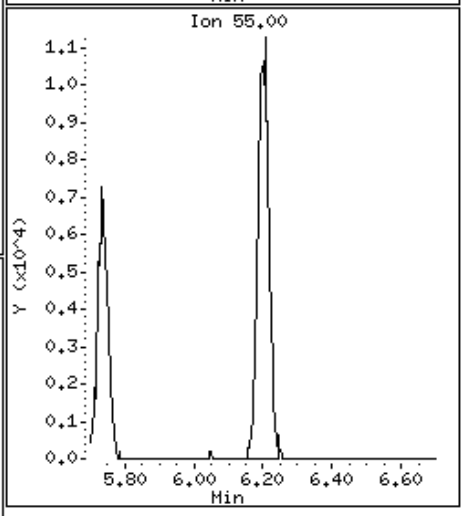
47 methyl cyclohexane

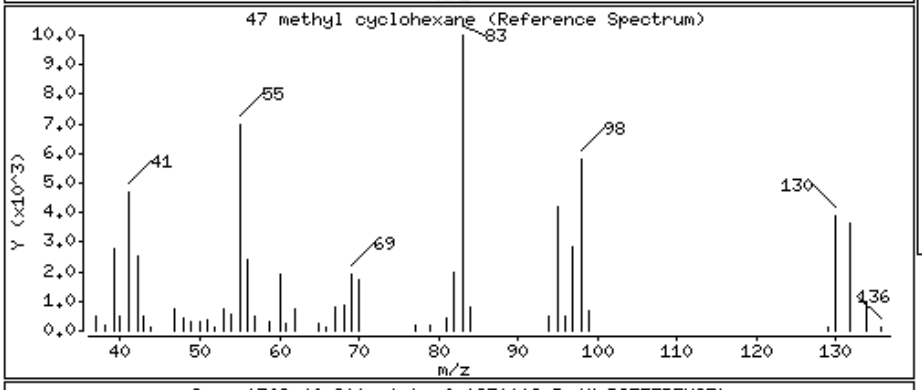
Concentration: 10.133 ngs

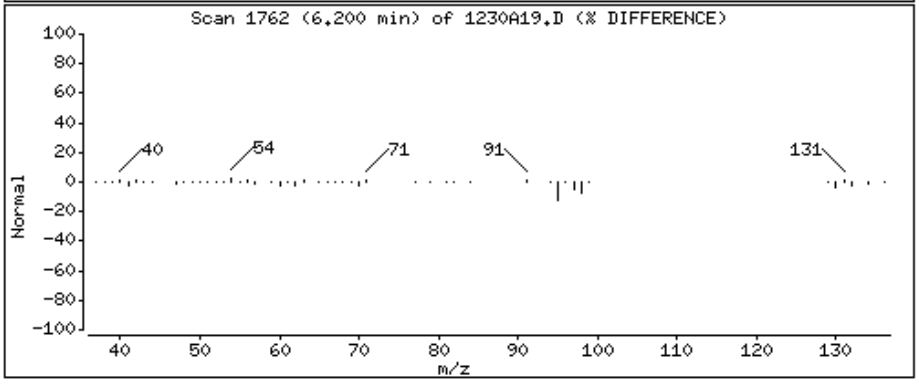












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

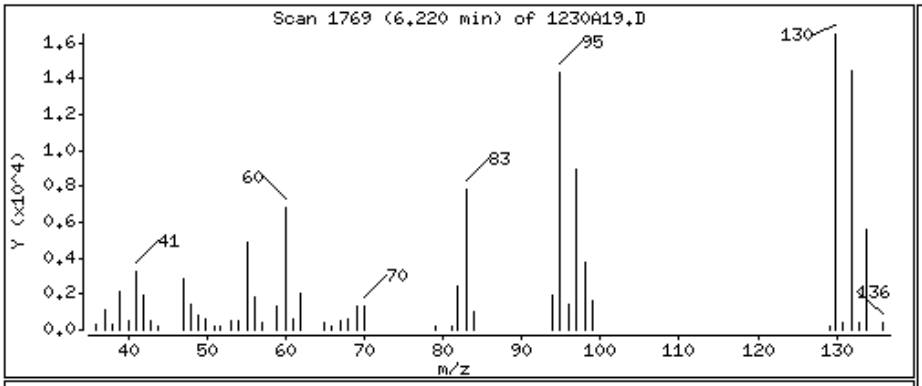
Operator: PK

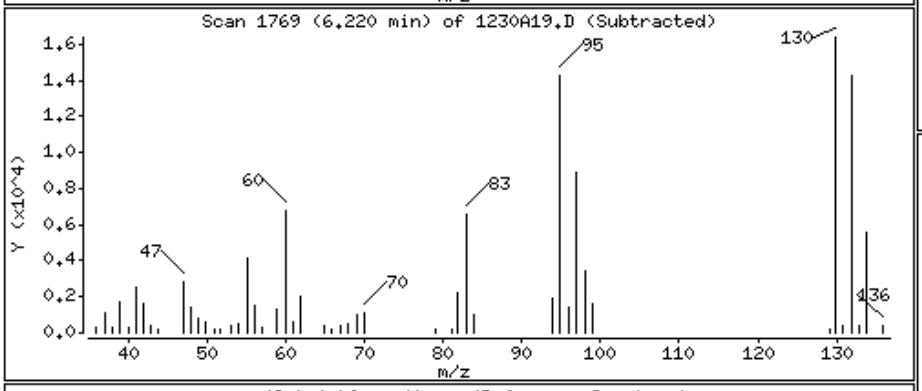
Column phase:

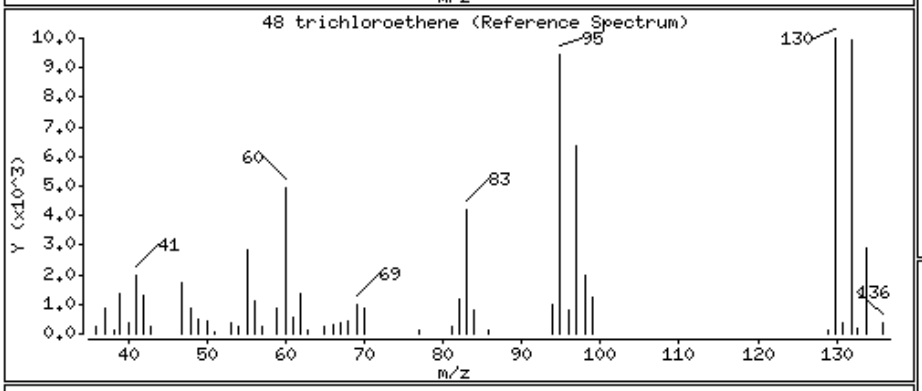
Column diameter: 0.18

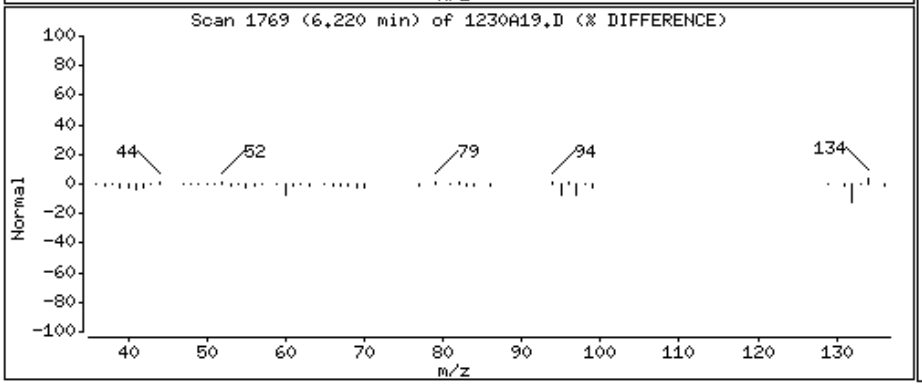
48 trichloroethene

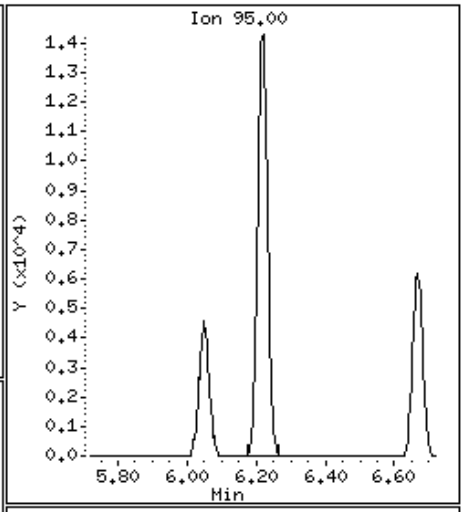
Concentration: 11.980 ngs

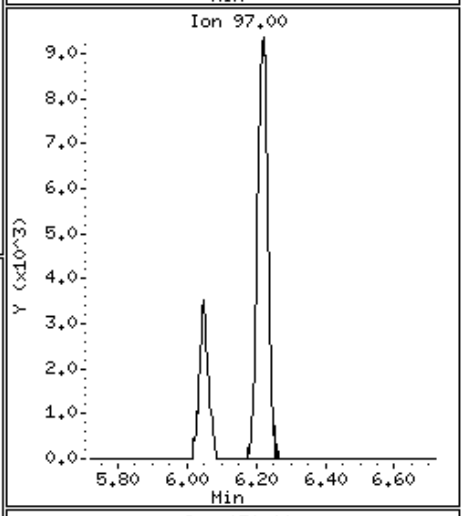


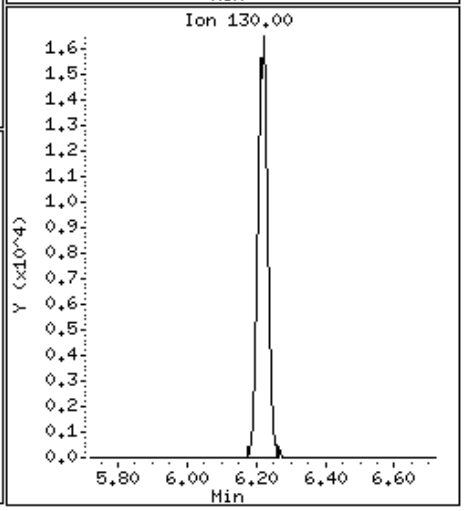












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

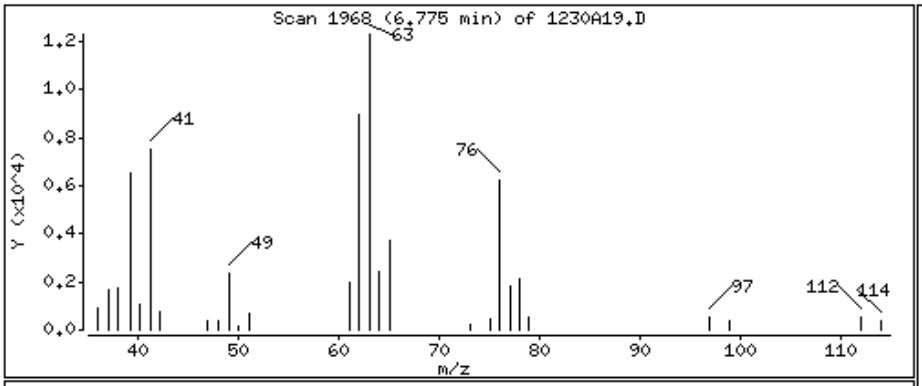
Operator: PK

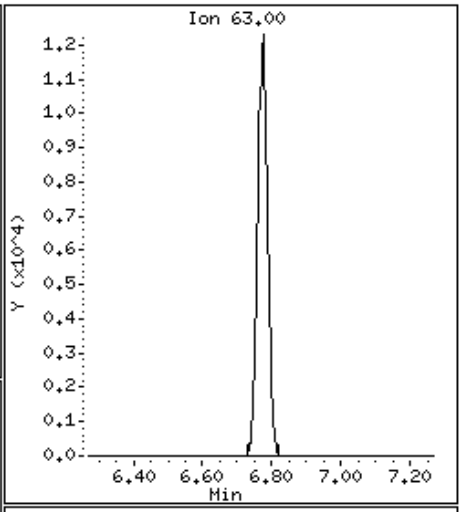
Column phase:

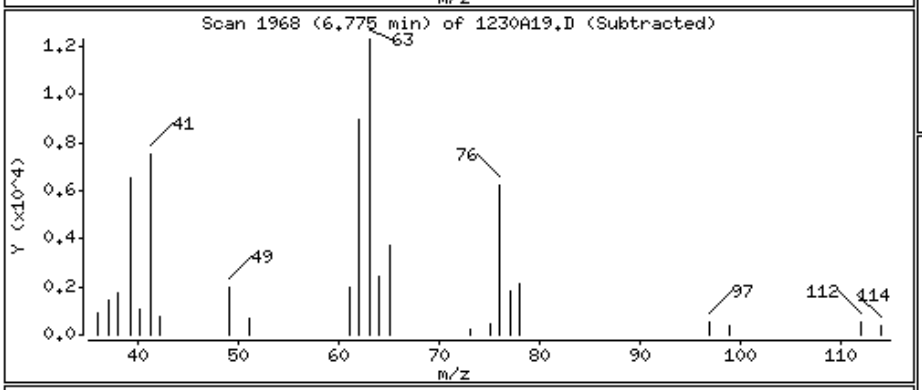
Column diameter: 0.18

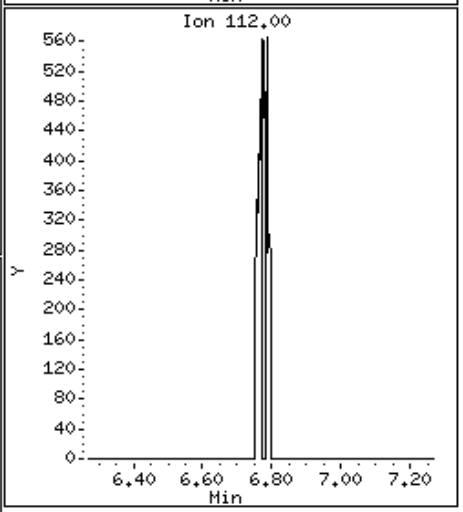
52 1,2-dichloropropane

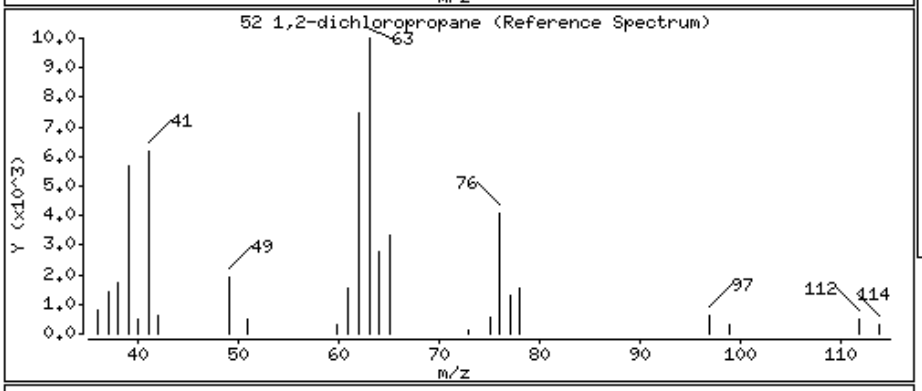
Concentration: 12.107 ngs

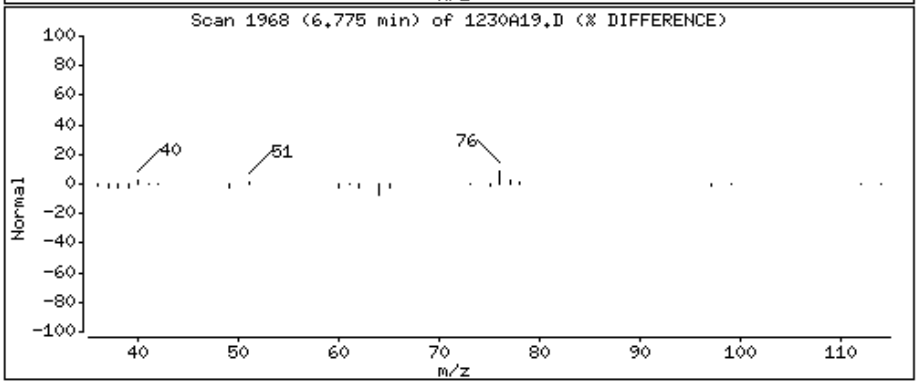












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

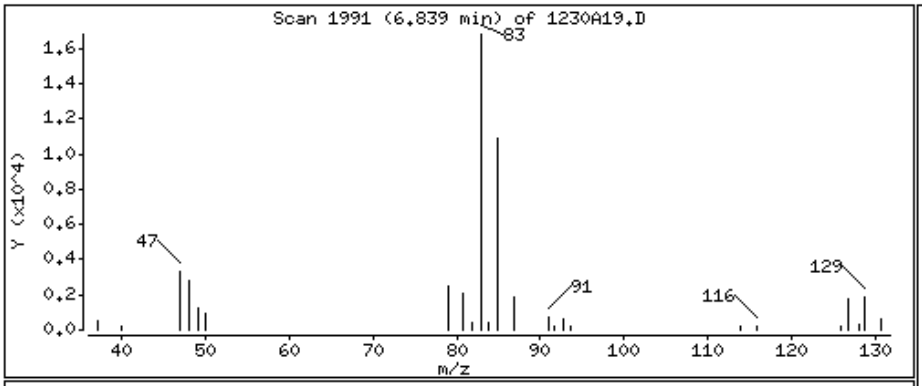
Operator: PK

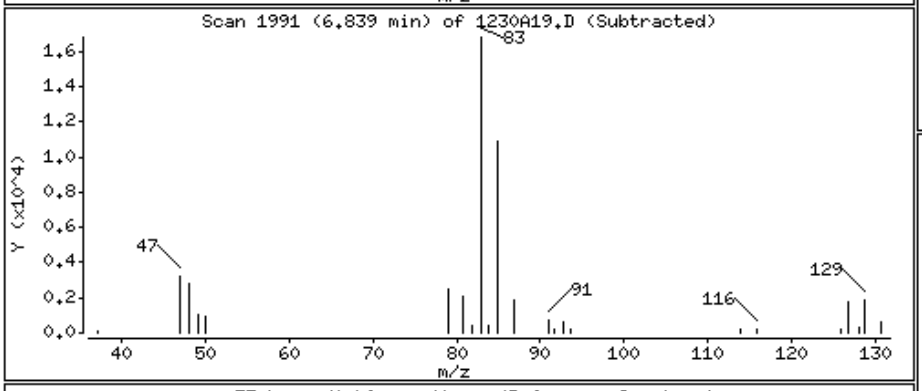
Column phase:

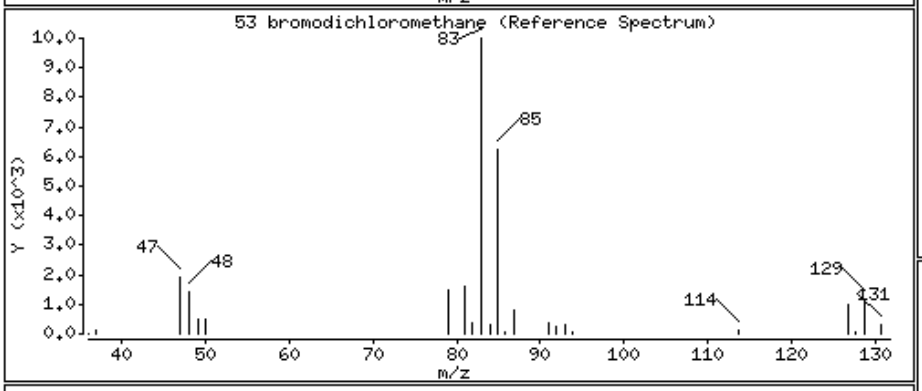
Column diameter: 0.18

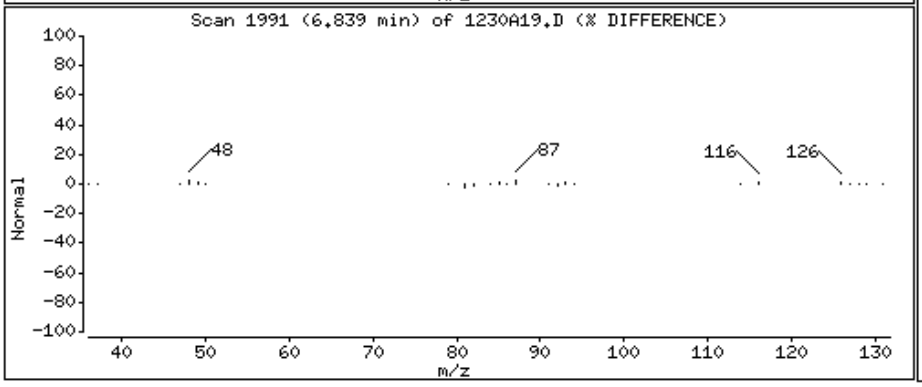
53 bromodichloromethane

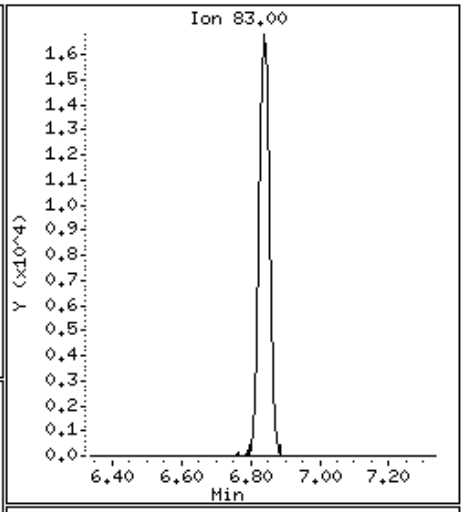
Concentration: 11.951 ngs

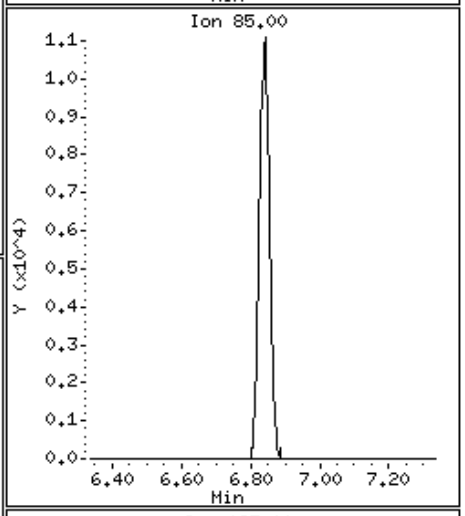


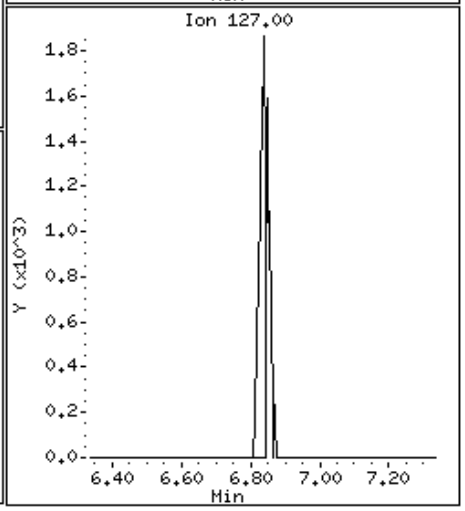












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

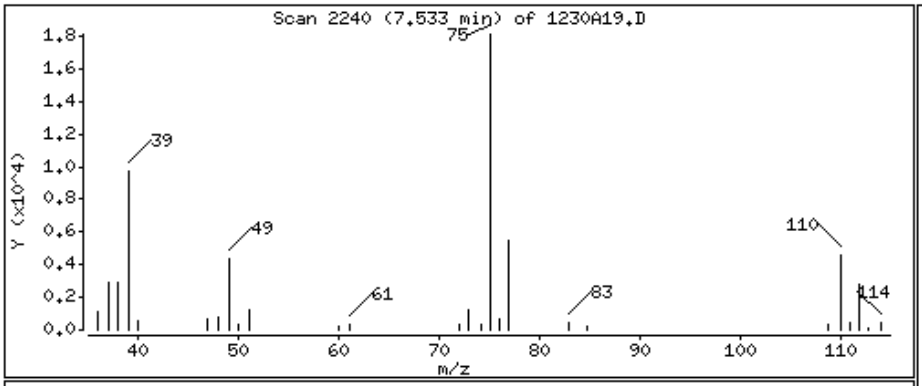
Operator: PK

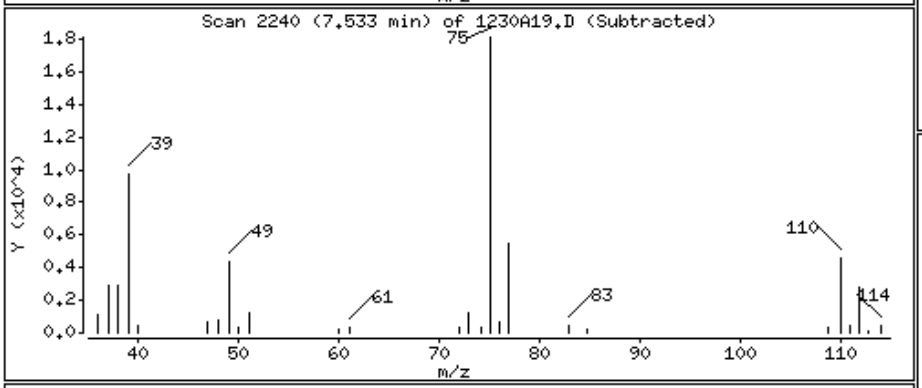
Column phase:

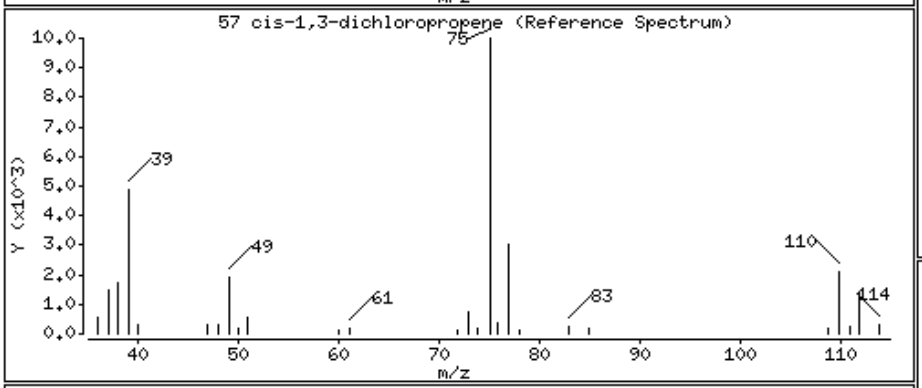
Column diameter: 0.18

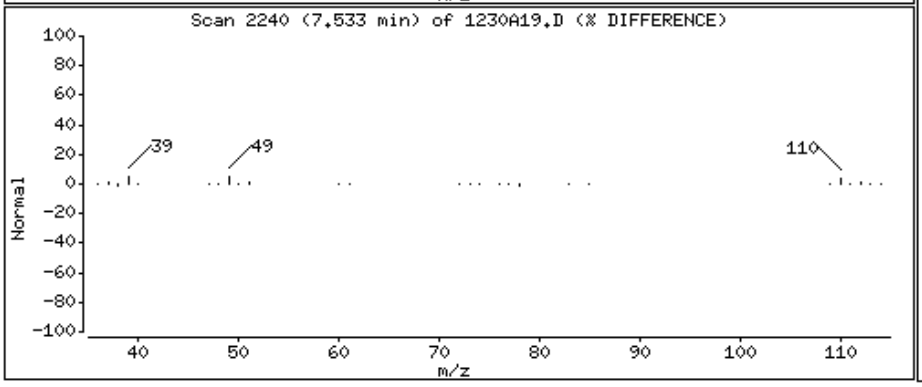
57 cis-1,3-dichloropropene

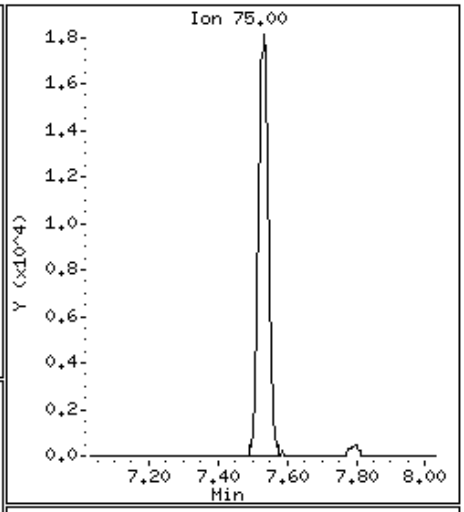
Concentration: 11.052 ngs

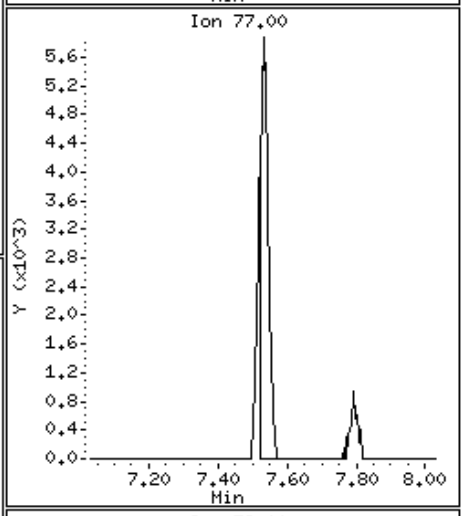


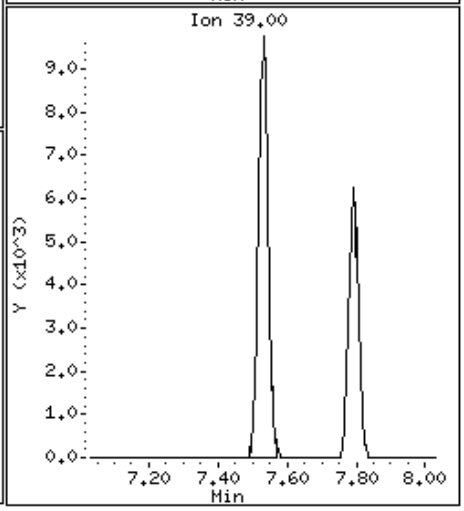












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

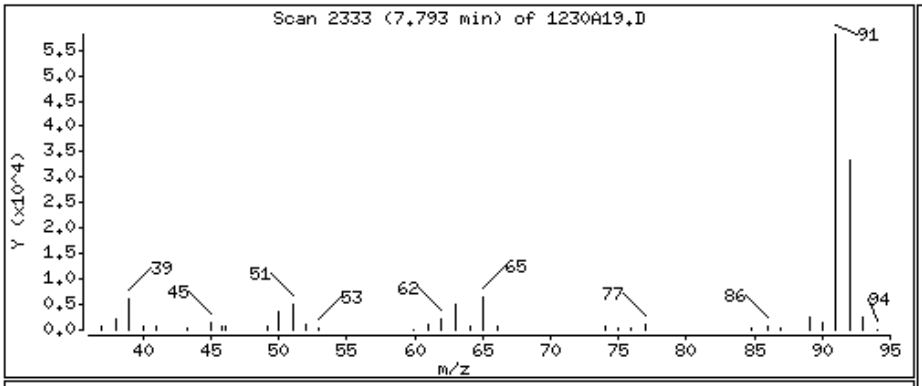
Operator: PK

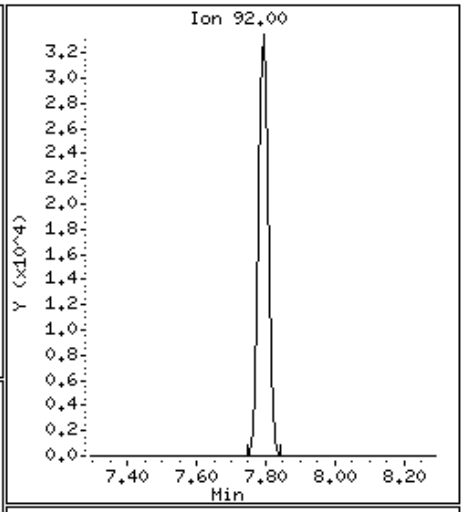
Column phase:

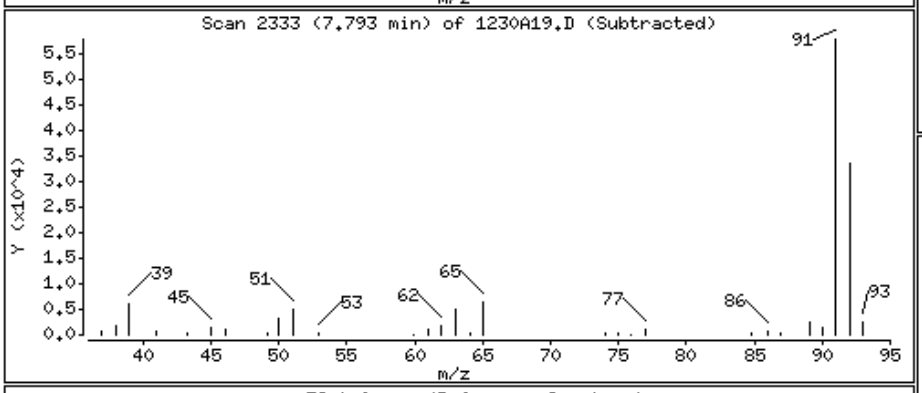
Column diameter: 0.18

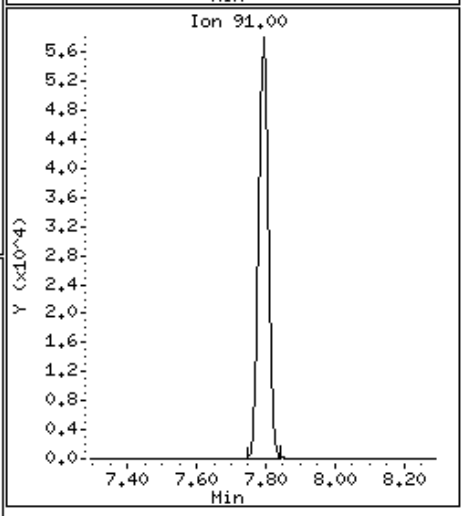
59 toluene

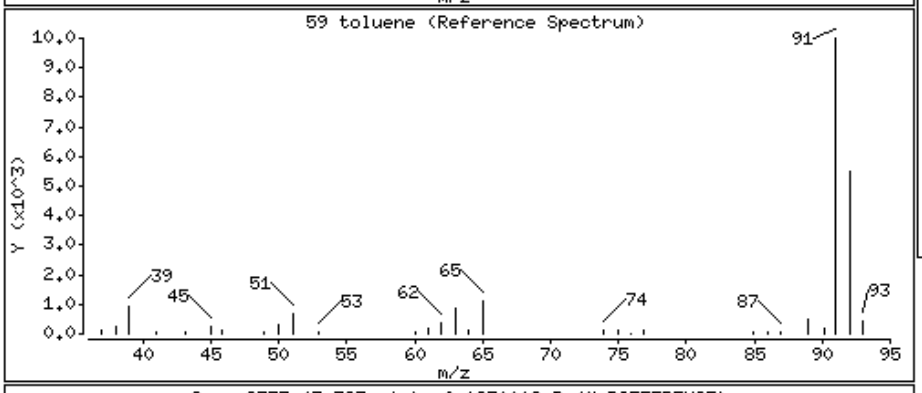
Concentration: 12.229 ngs

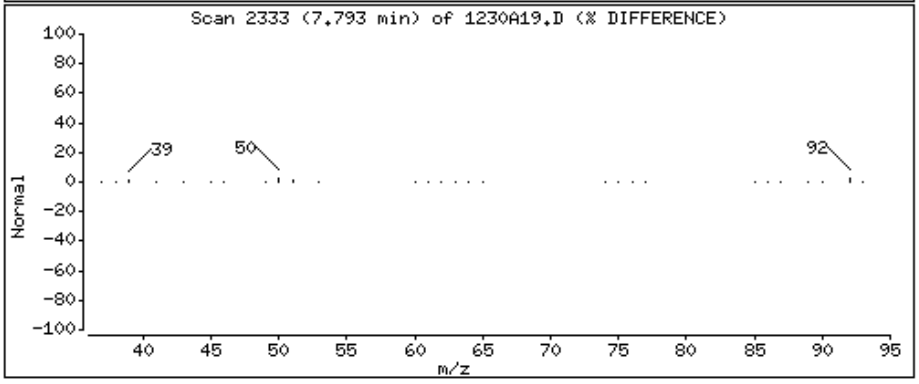












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

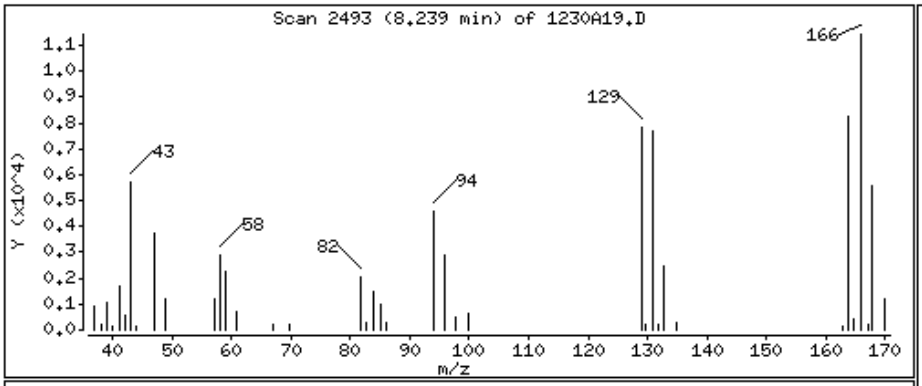
Operator: PK

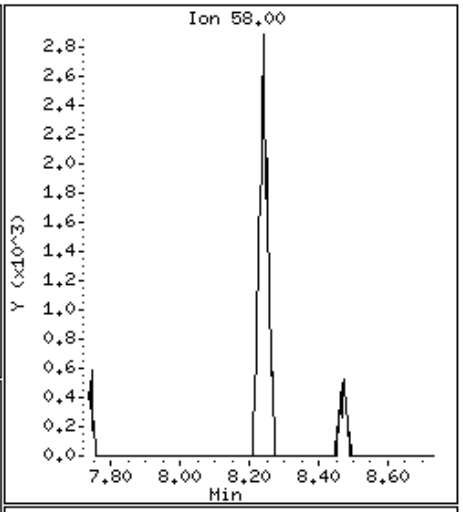
Column phase:

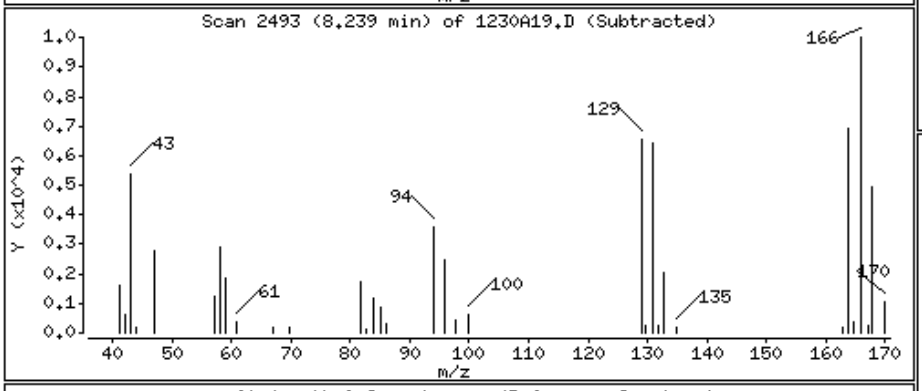
Column diameter: 0.18

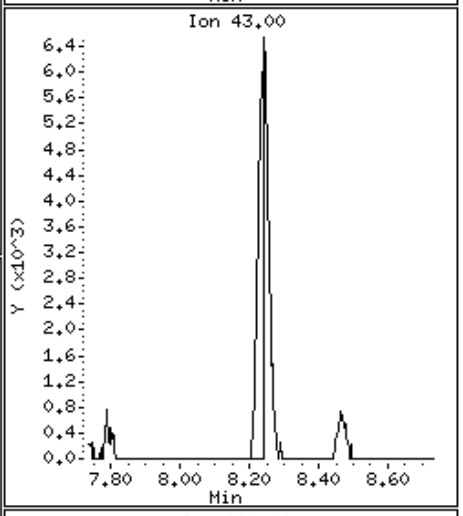
60 4-methyl-2-pentanone

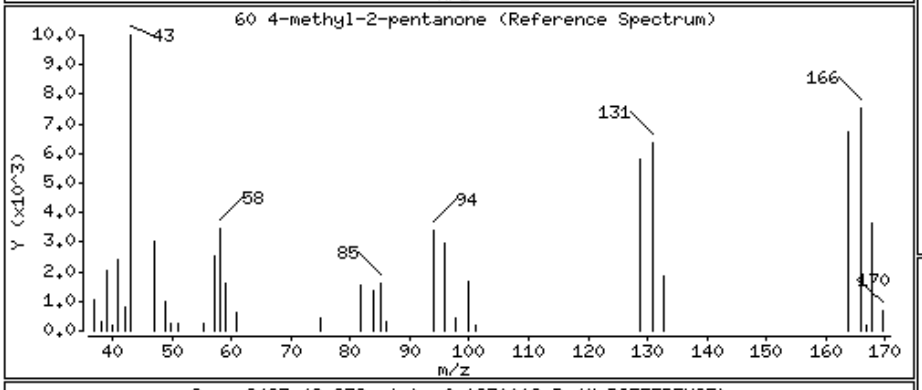
Concentration: 9.623 ngs

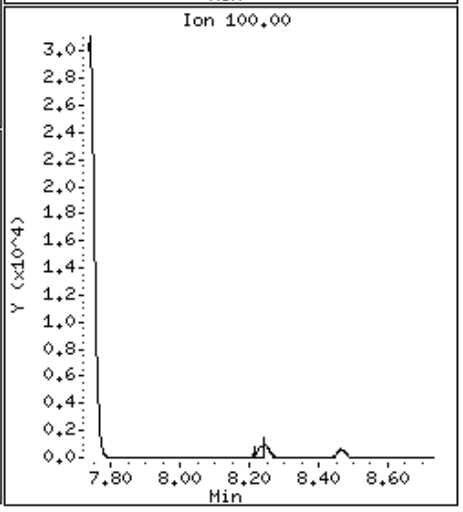


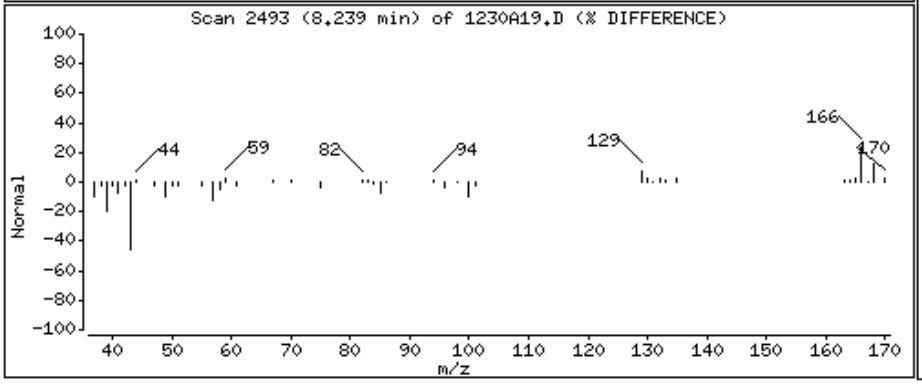












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

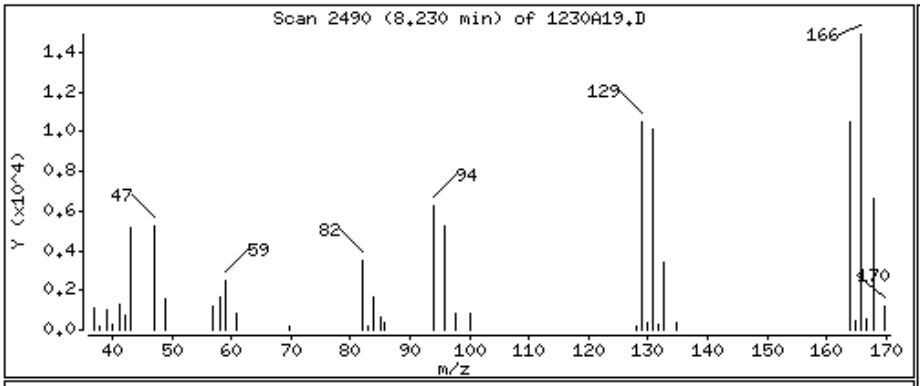
Operator: PK

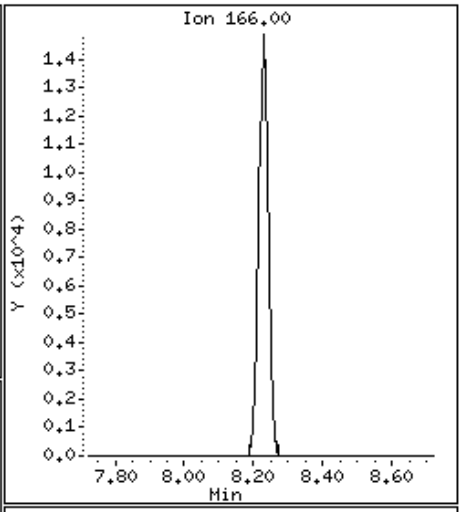
Column phase:

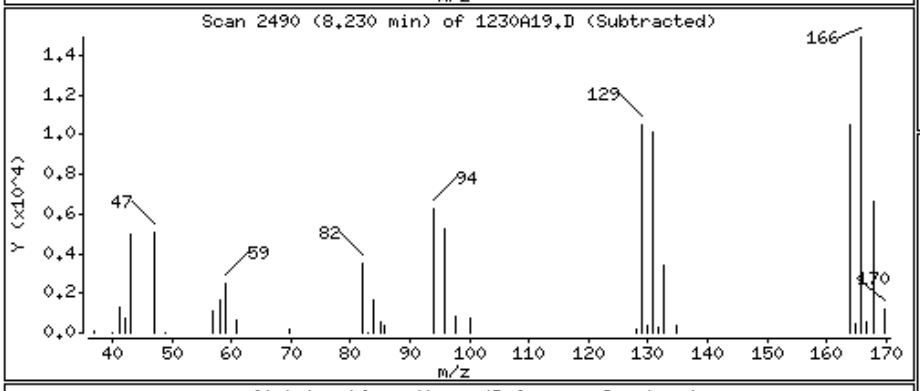
Column diameter: 0.18

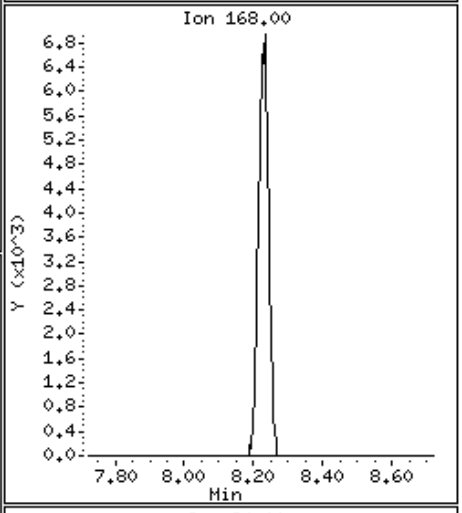
61 tetrachloroethene

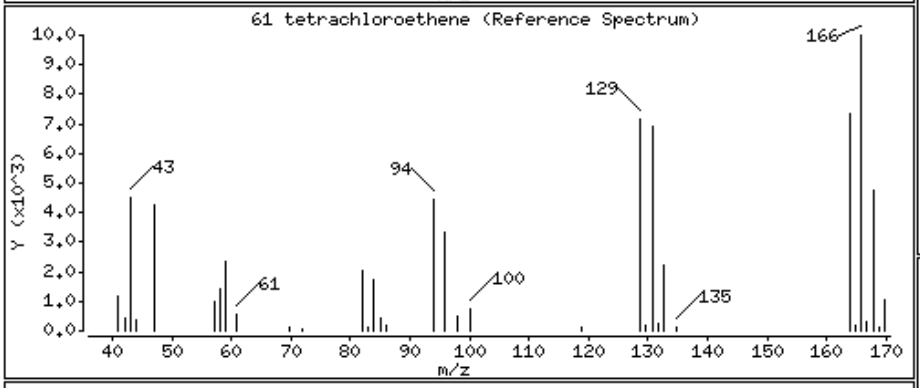
Concentration: 12.191 ngs

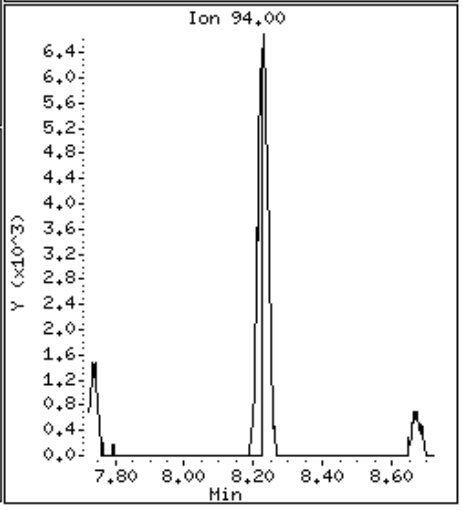


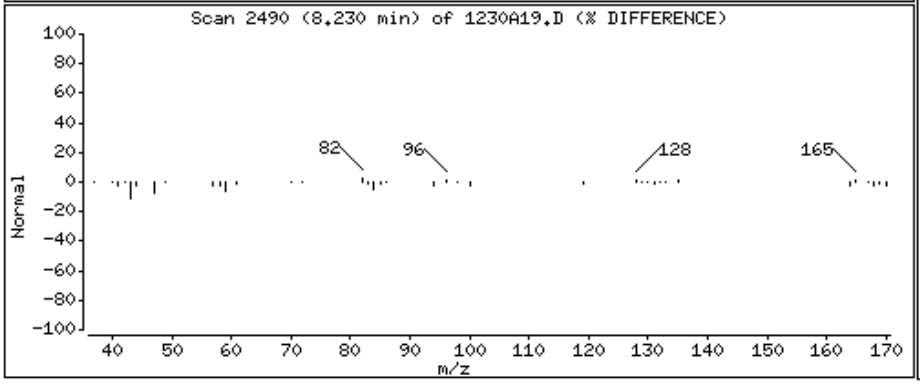












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

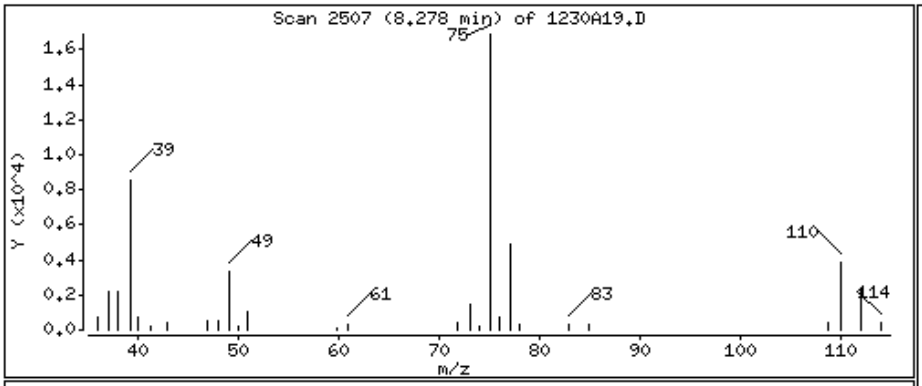
Operator: PK

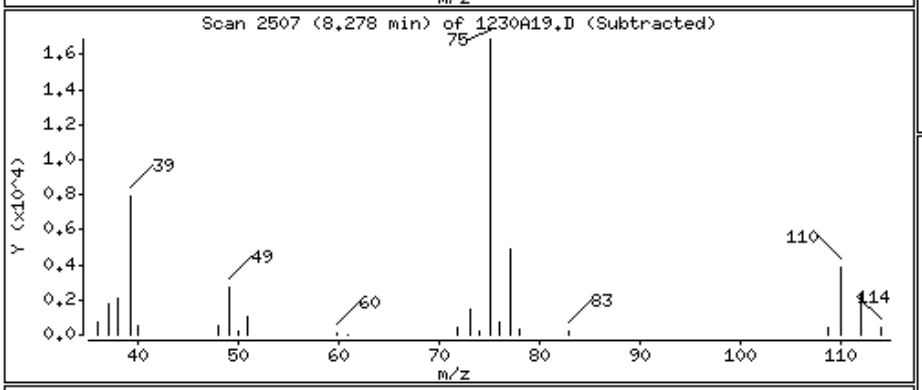
Column phase:

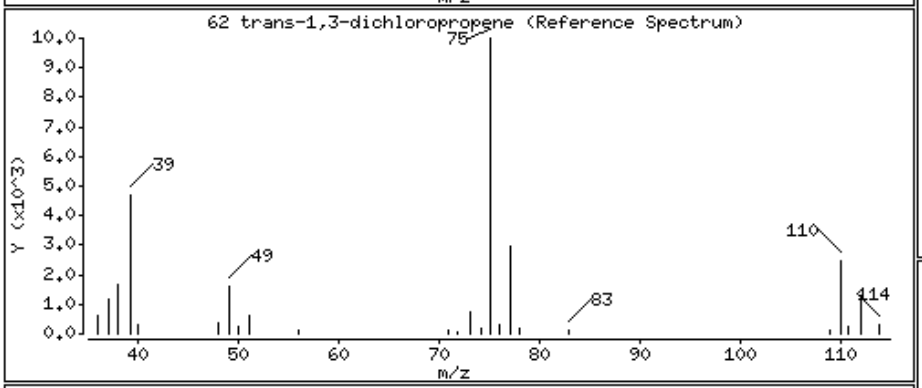
Column diameter: 0.18

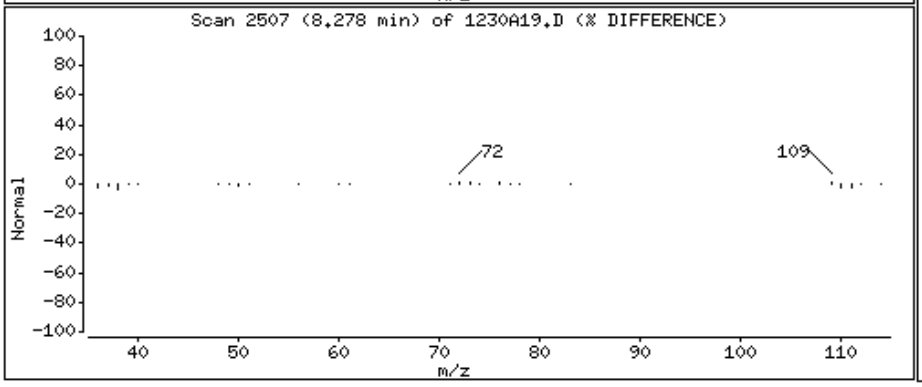
62 trans-1,3-dichloropropene

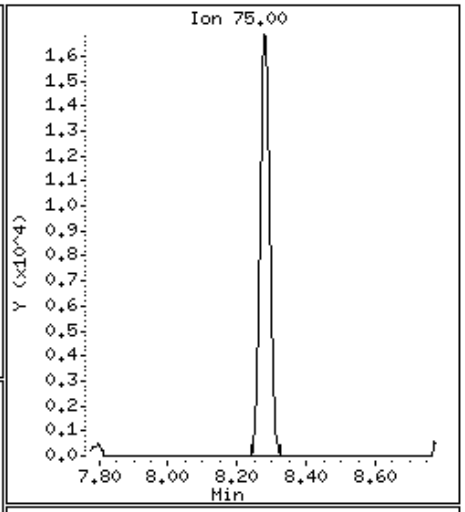
Concentration: 11.594 ngs

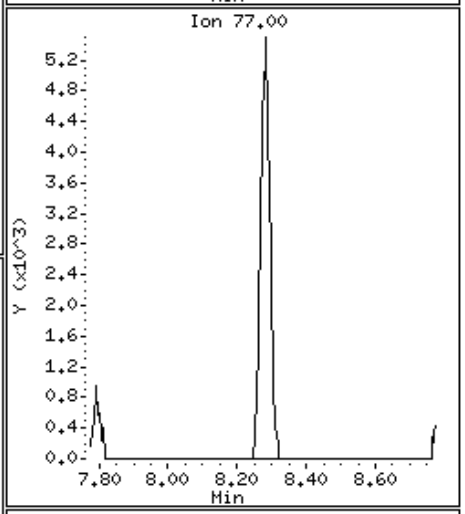


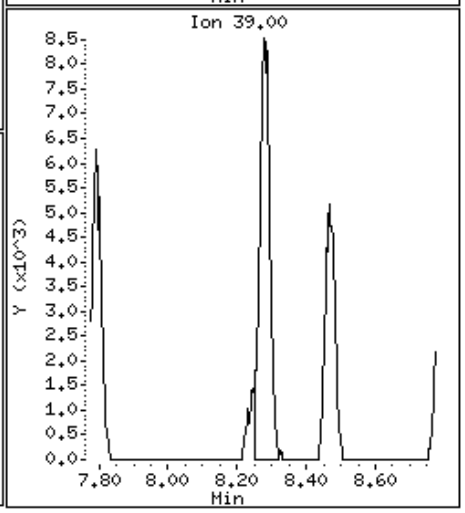












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

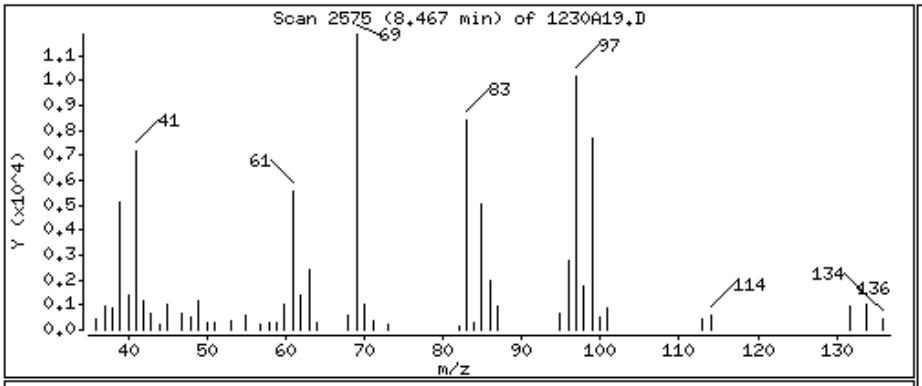
Operator: PK

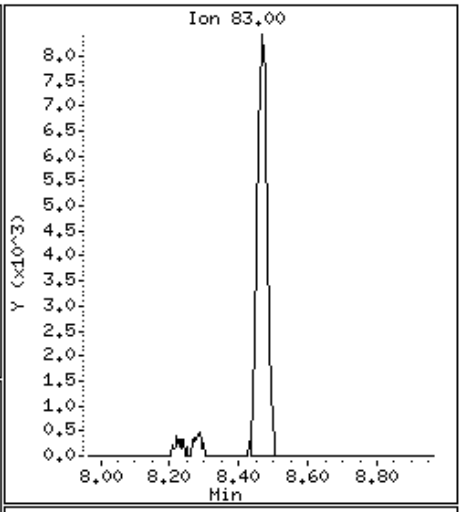
Column phase:

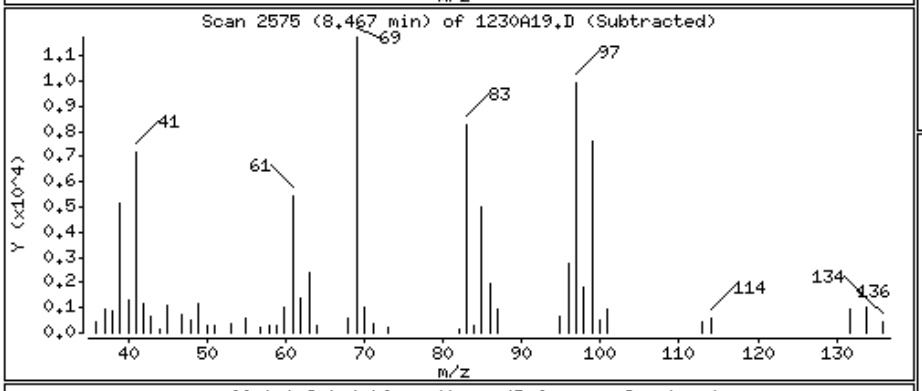
Column diameter: 0.18

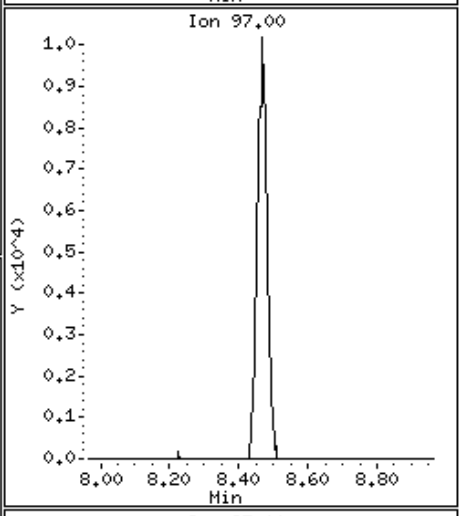
66 1,1,2-trichloroethane

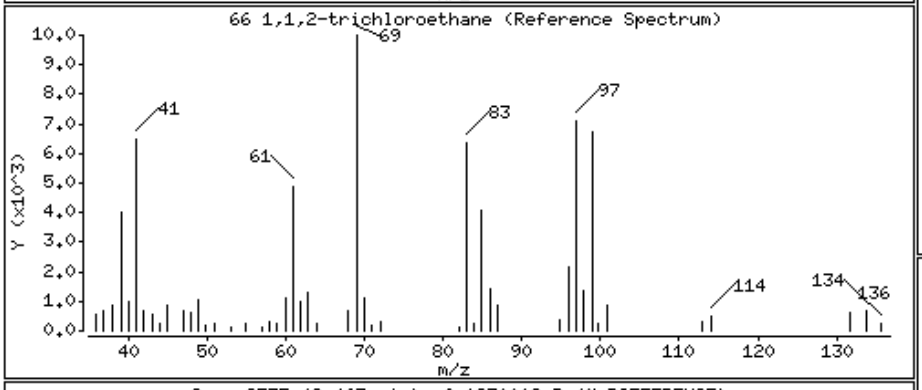
Concentration: 11.762 ngs

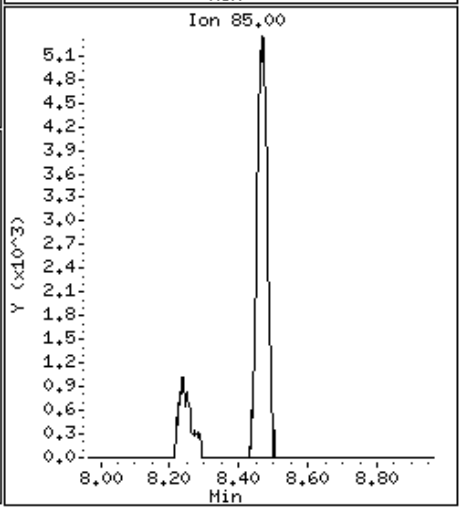


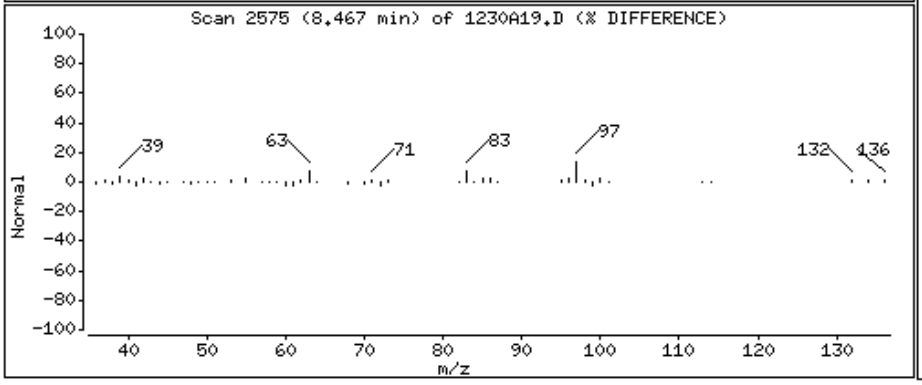












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

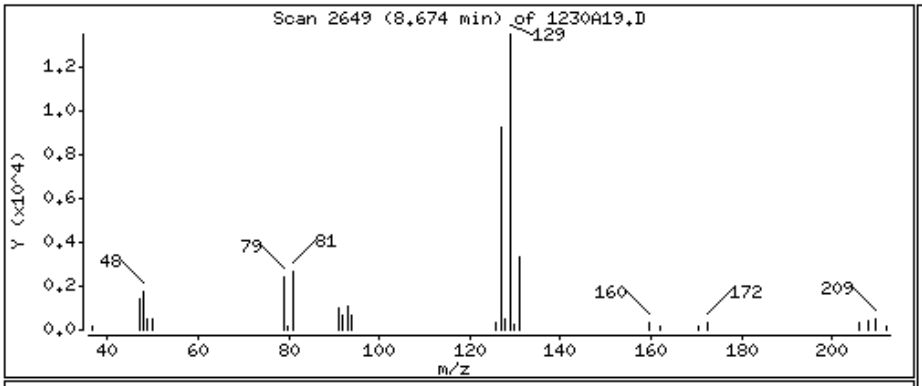
Operator: PK

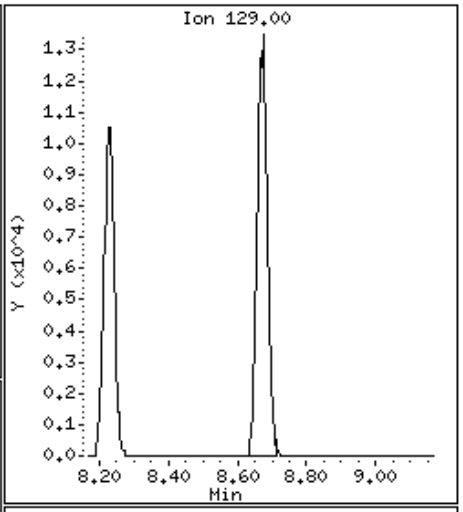
Column phase:

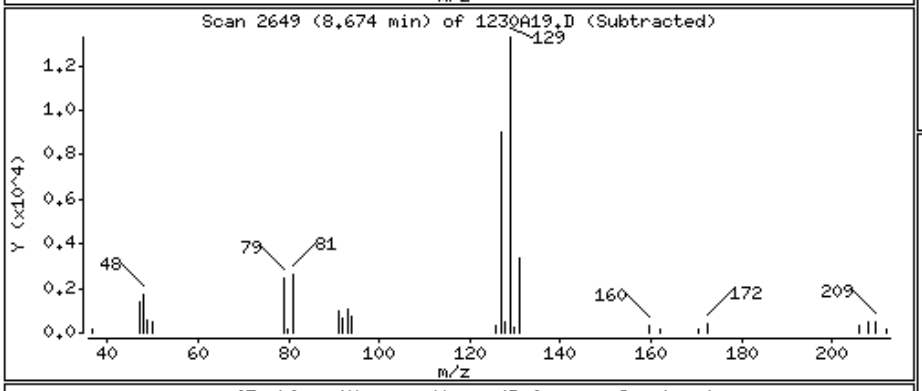
Column diameter: 0.18

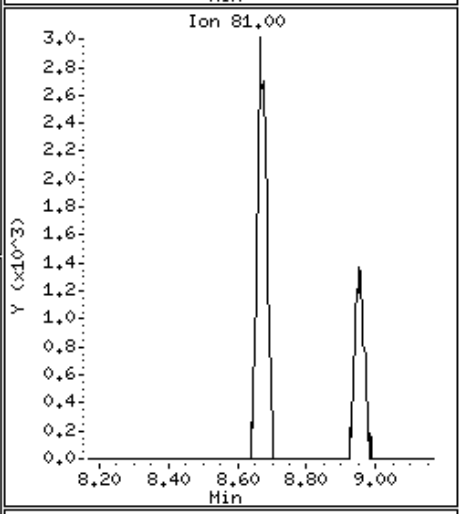
67 chlorodibromomethane

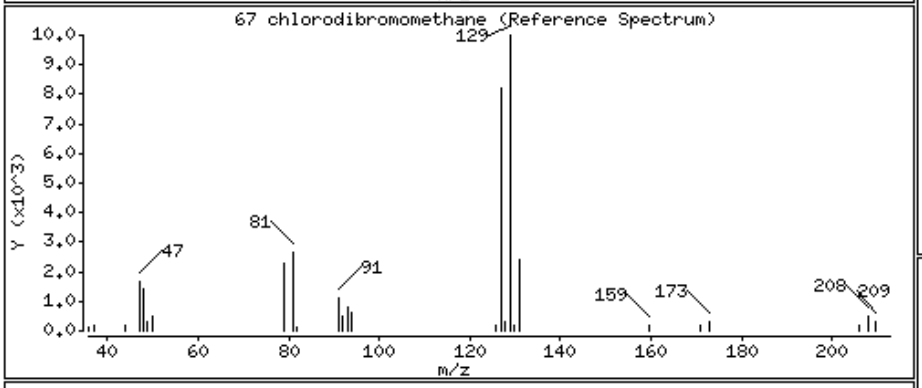
Concentration: 12.474 ngs

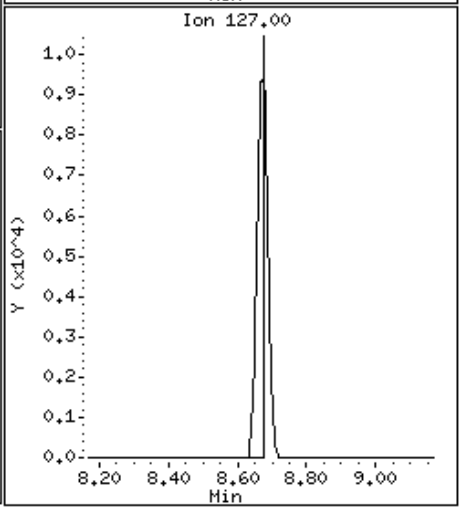


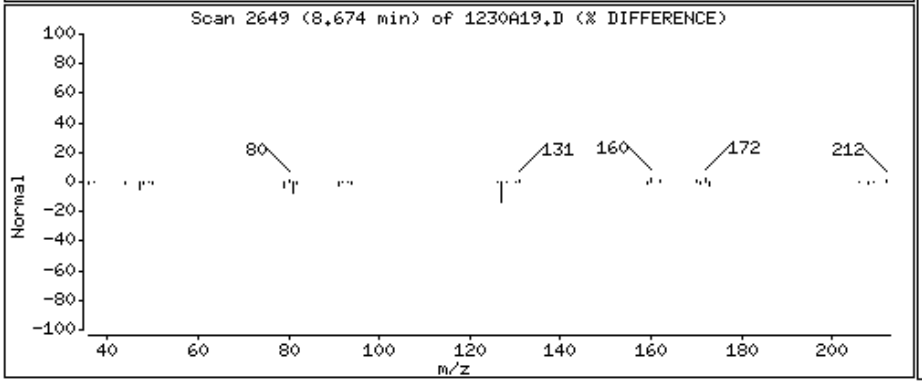












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

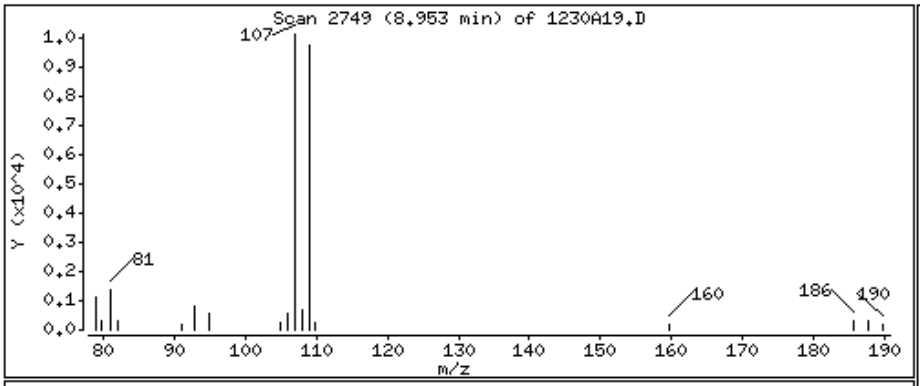
Operator: PK

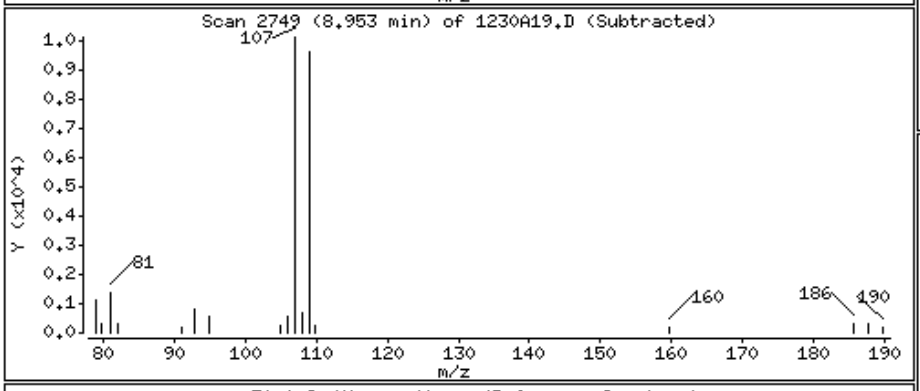
Column phase:

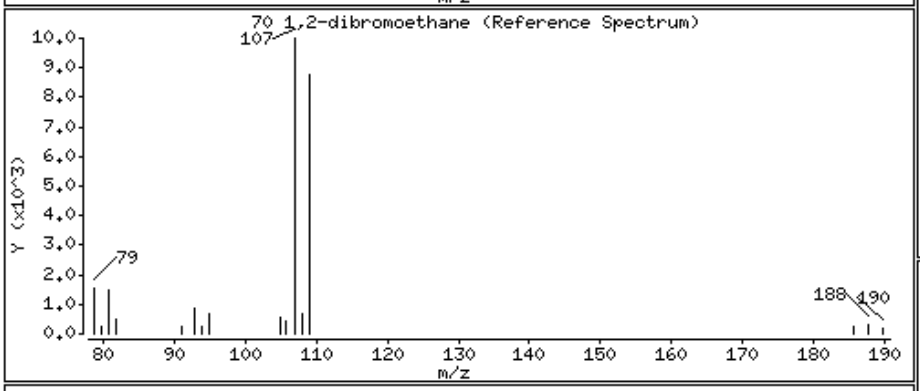
Column diameter: 0.18

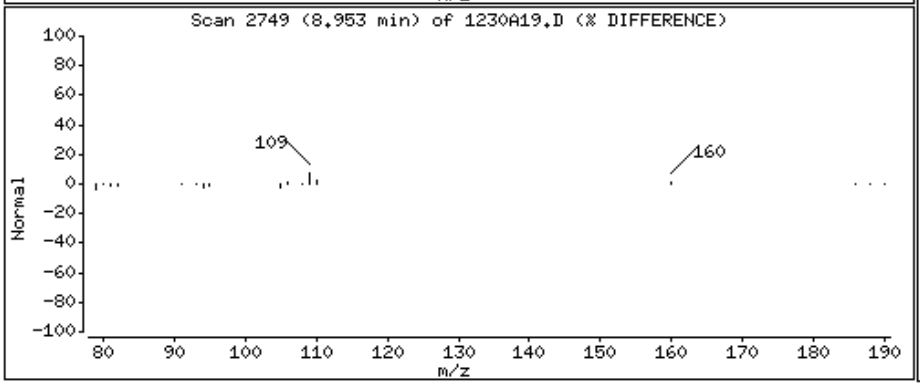
70 1,2-dibromoethane

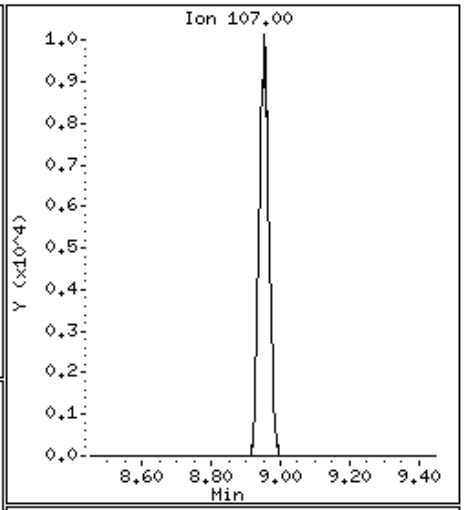
Concentration: 11.525 ngs

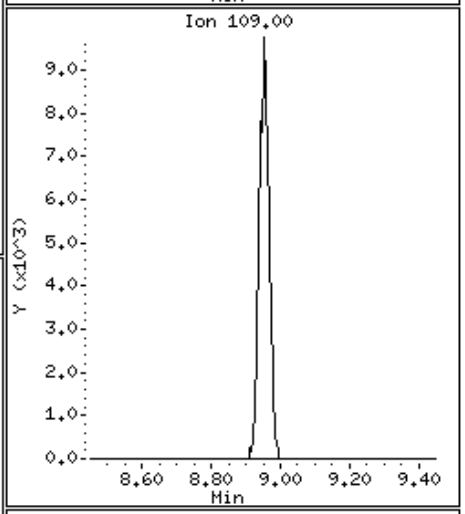


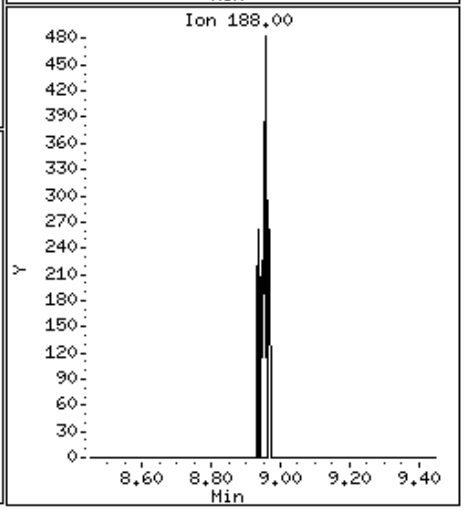












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

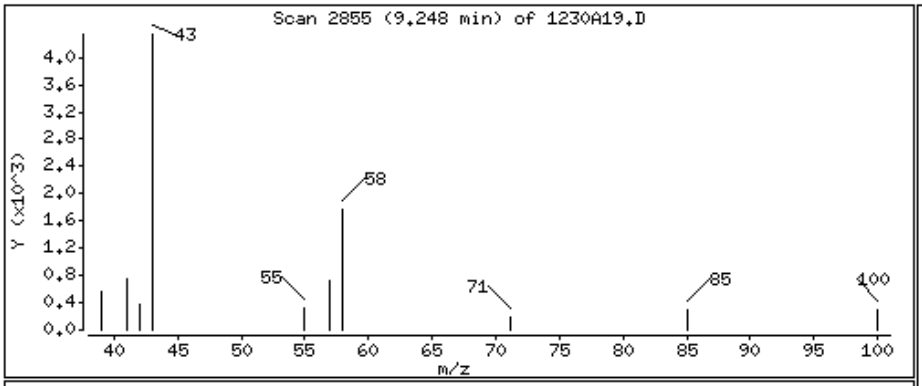
Operator: PK

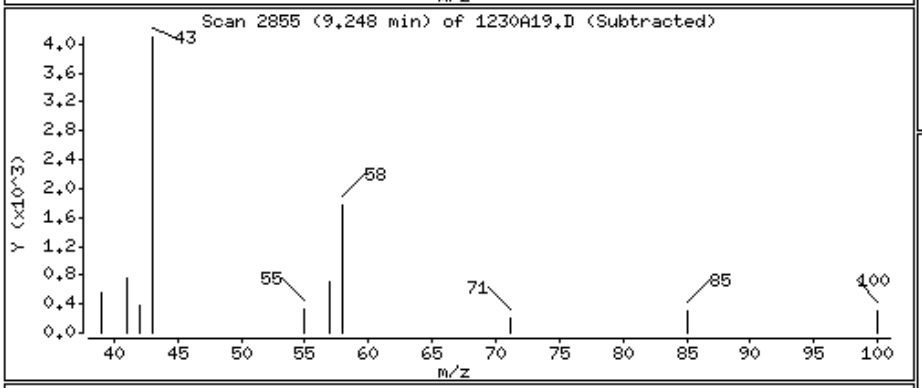
Column phase:

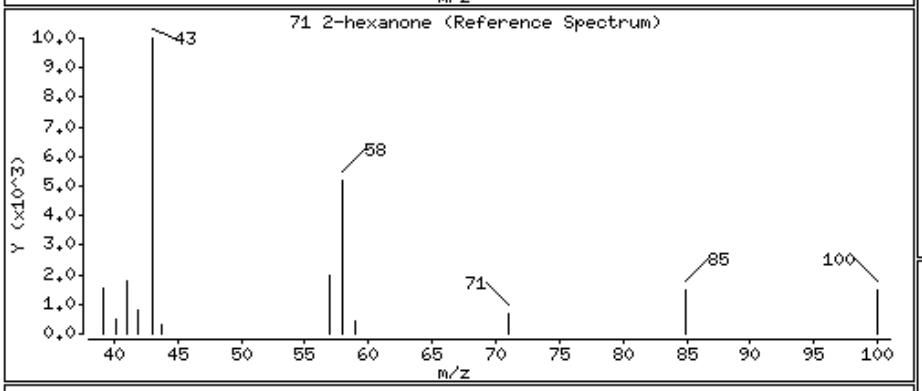
Column diameter: 0.18

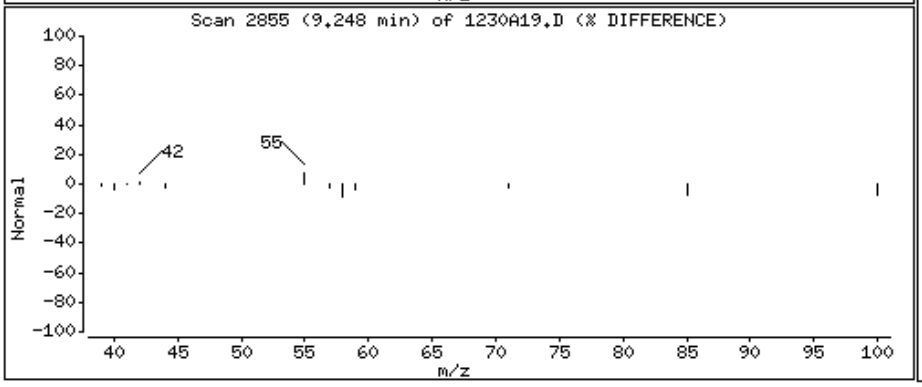
71 2-hexanone

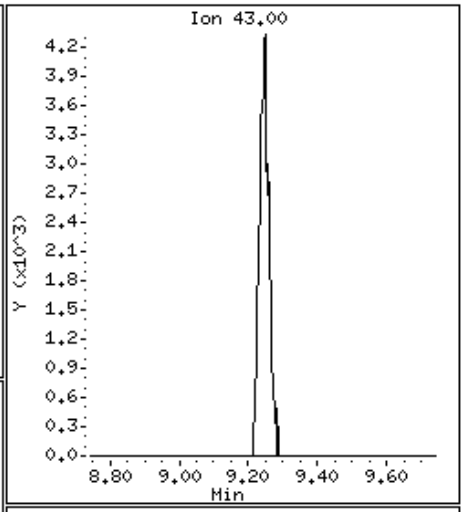
Concentration: 9.493 ngs

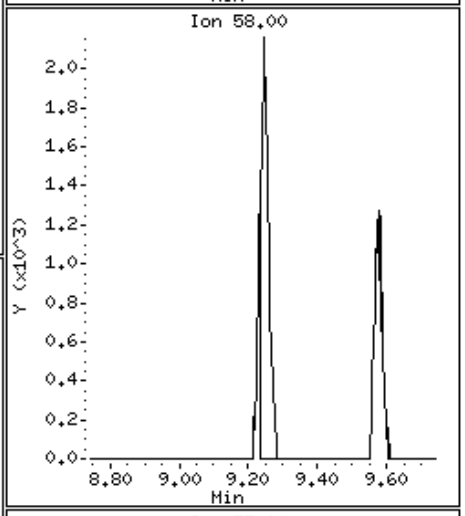


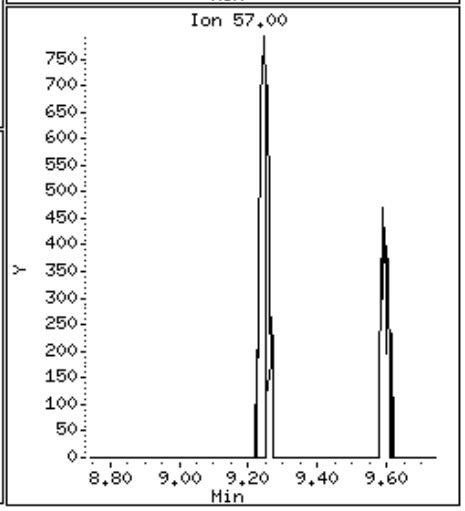












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

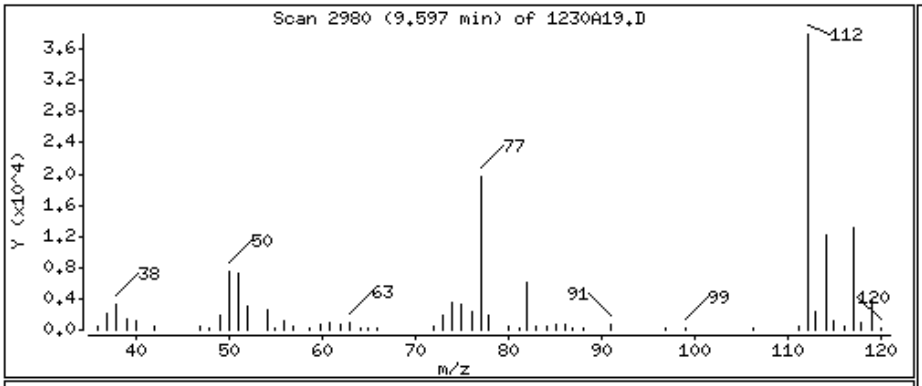
Operator: PK

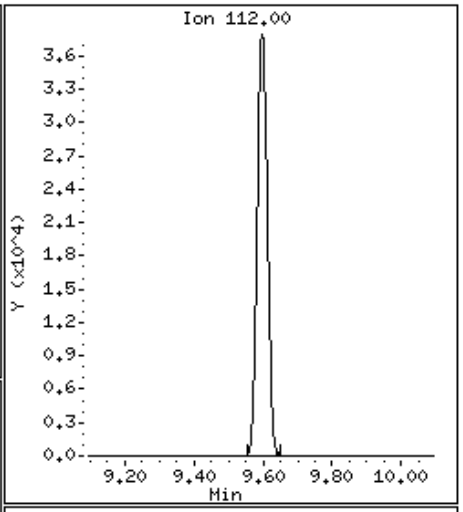
Column phase:

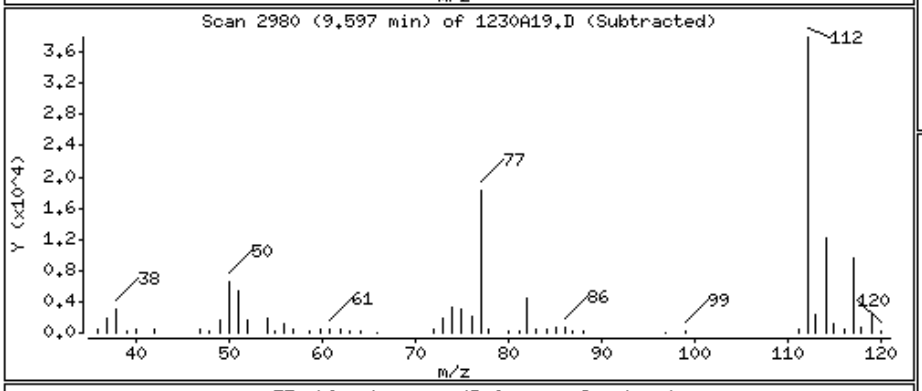
Column diameter: 0.18

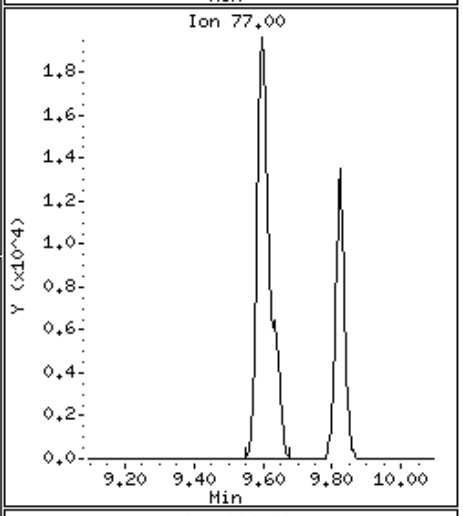
73 chlorobenzene

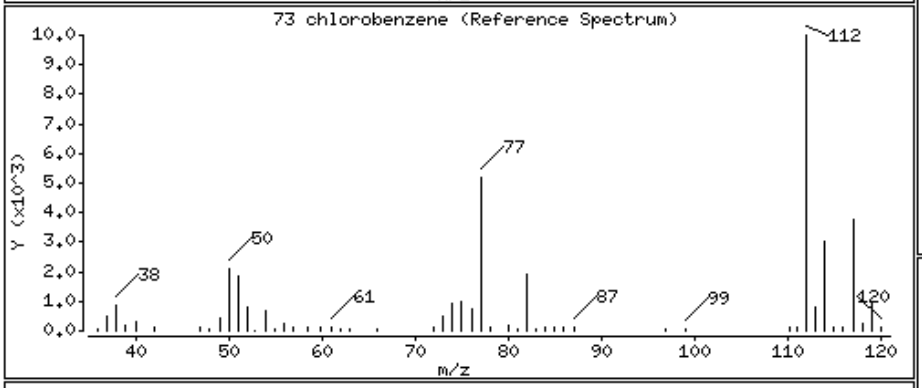
Concentration: 11.868 ngs

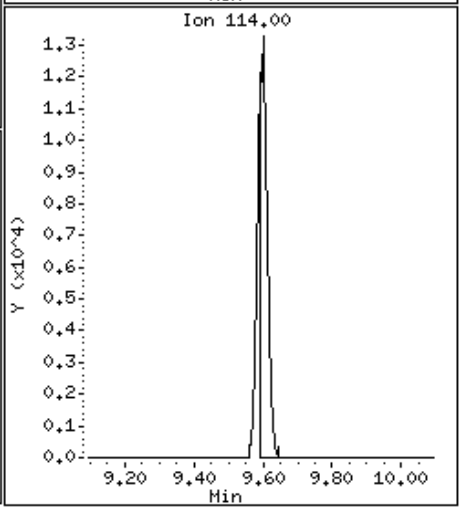


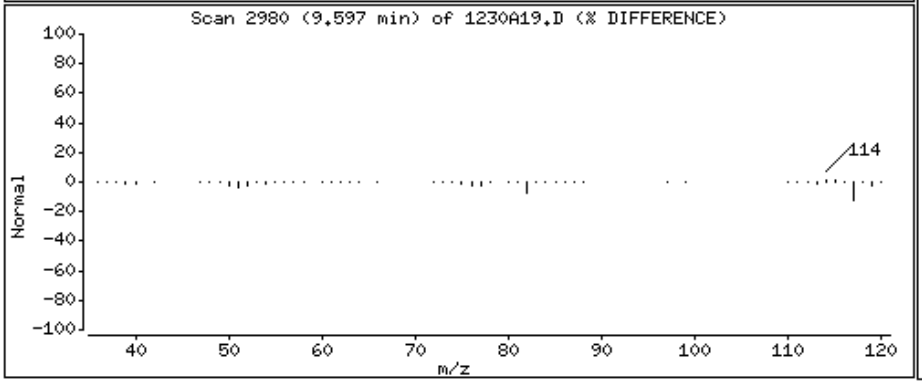












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

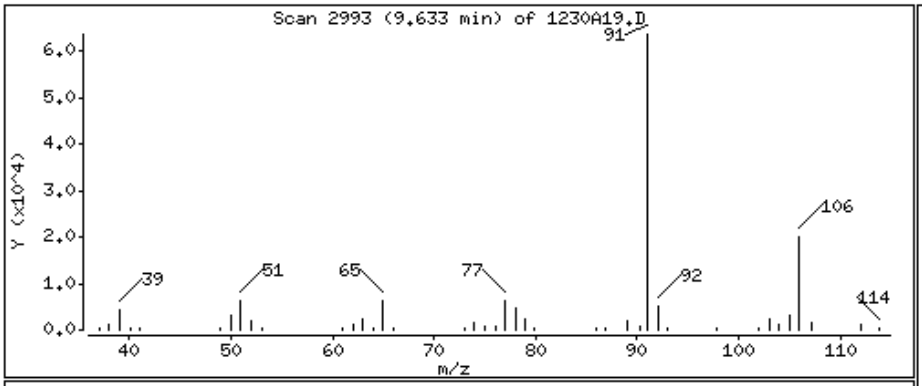
Operator: PK

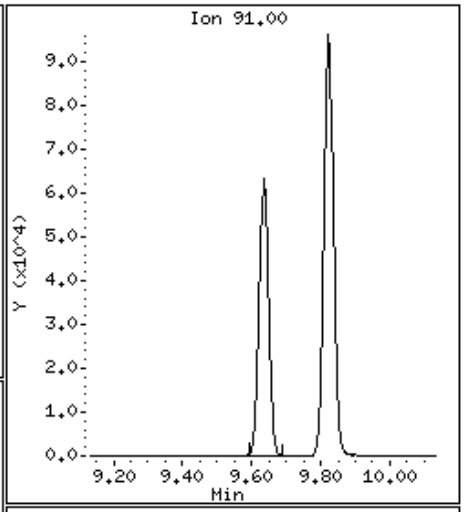
Column phase:

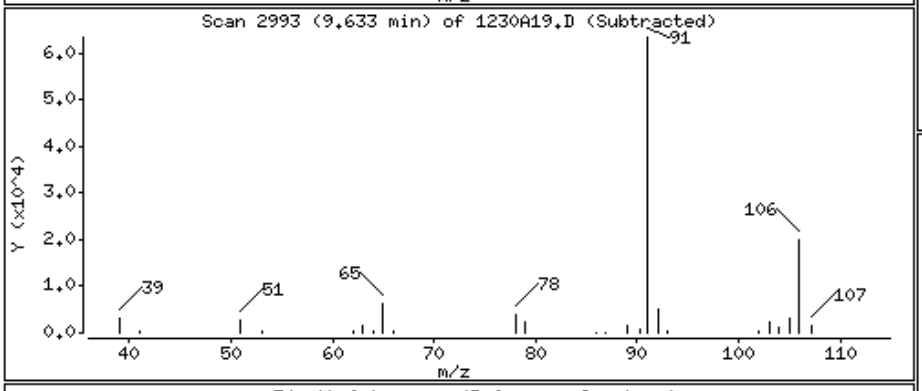
Column diameter: 0.18

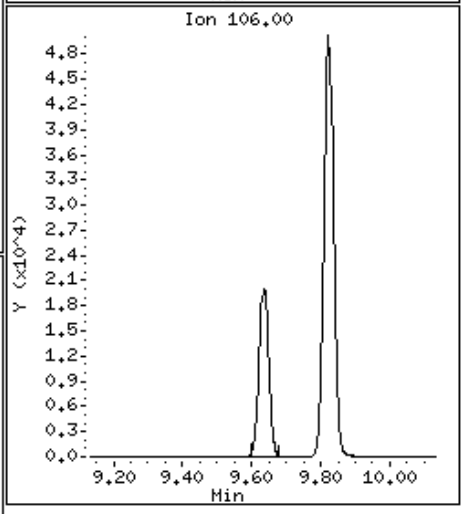
74 ethyl benzene

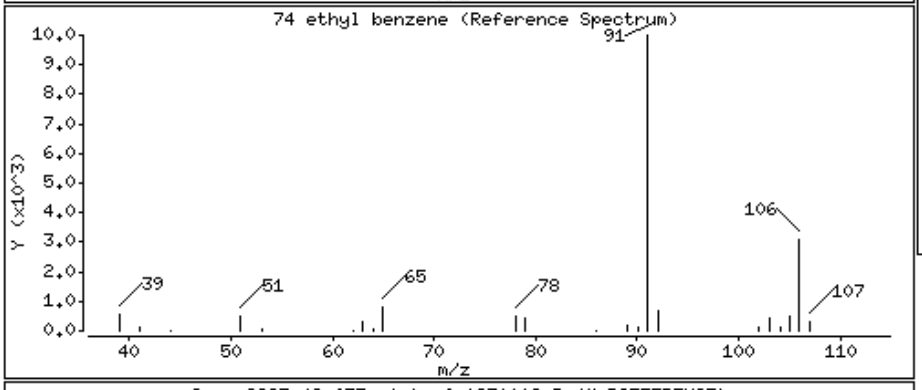
Concentration: 11.121 ngs

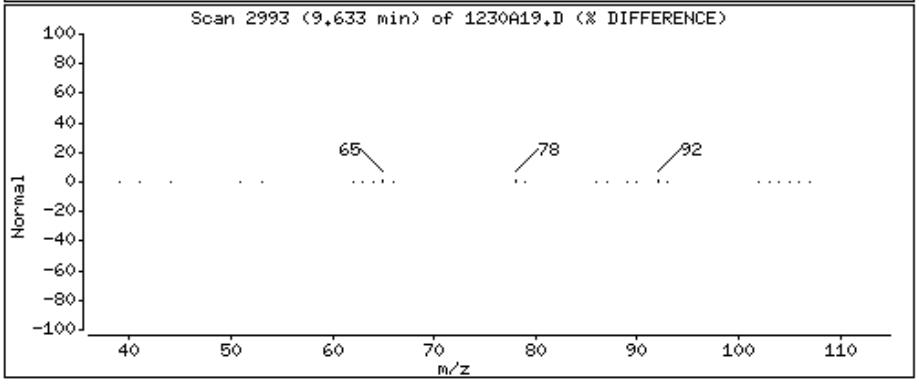












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

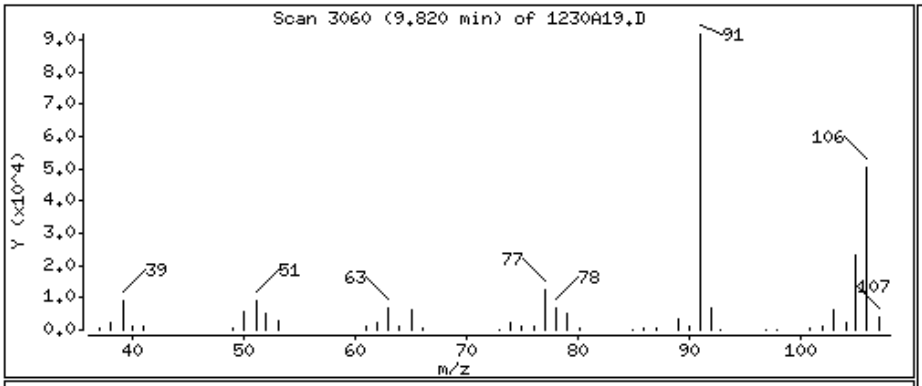
Operator: PK

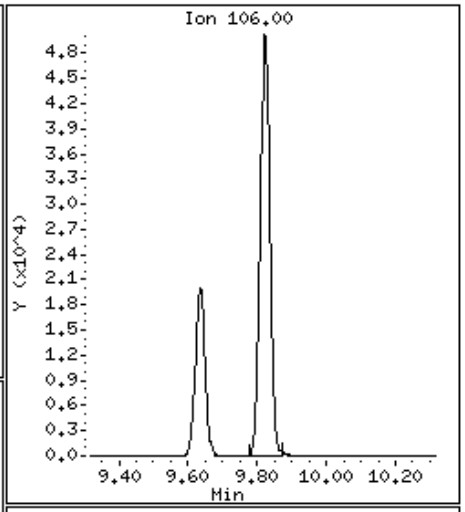
Column phase:

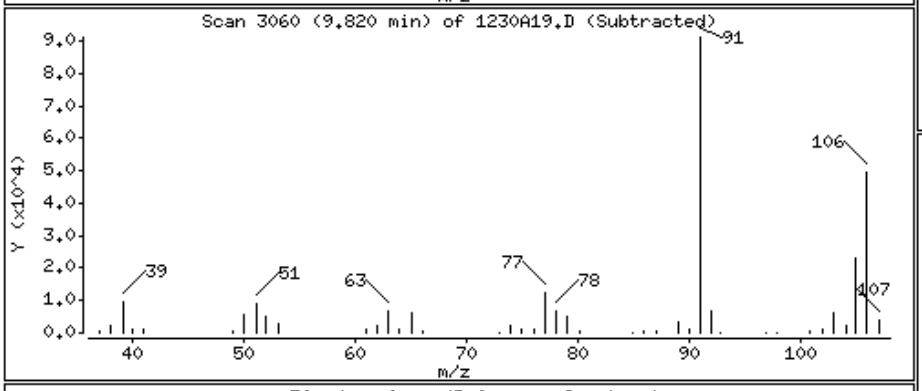
Column diameter: 0.18

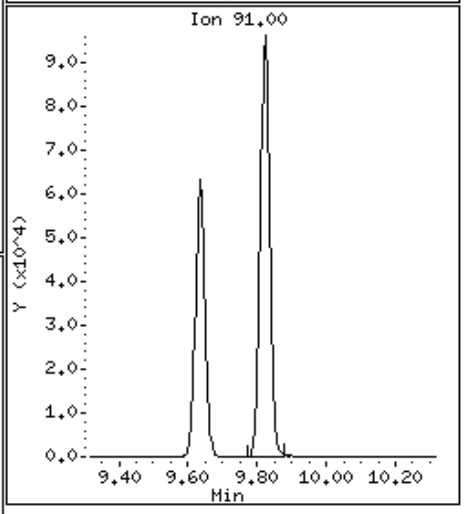
76 p/m xylene

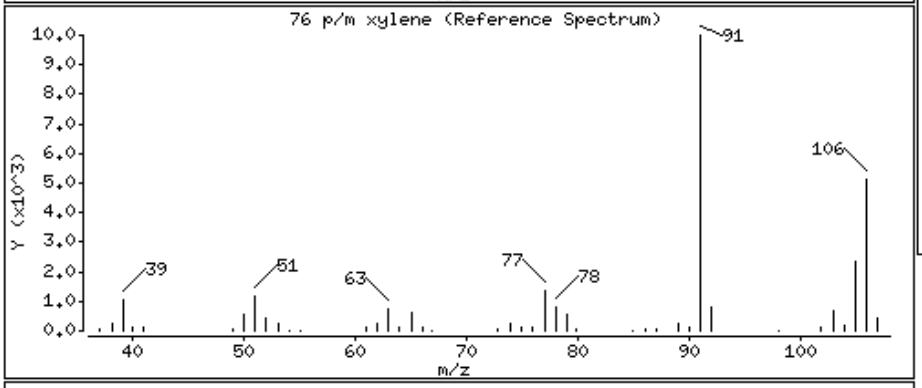
Concentration: 21.854 ngs

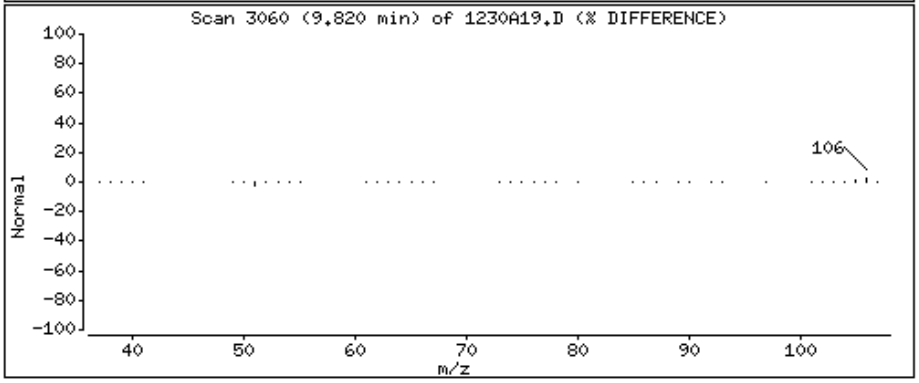












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

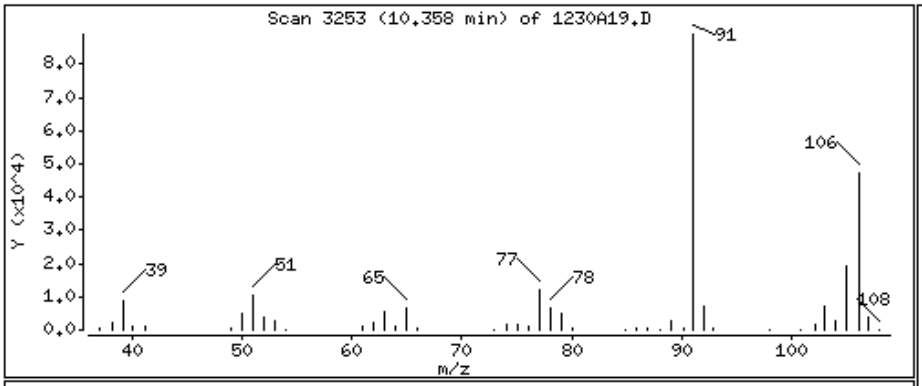
Operator: PK

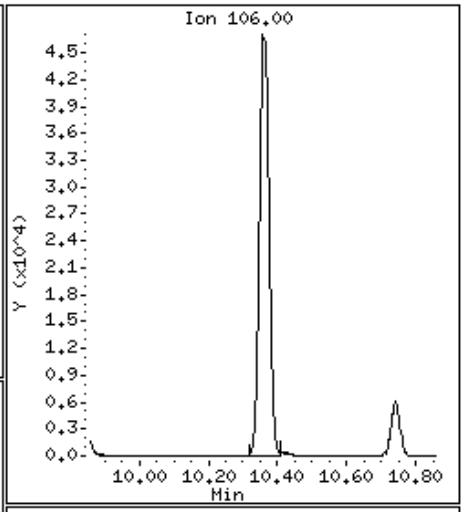
Column phase:

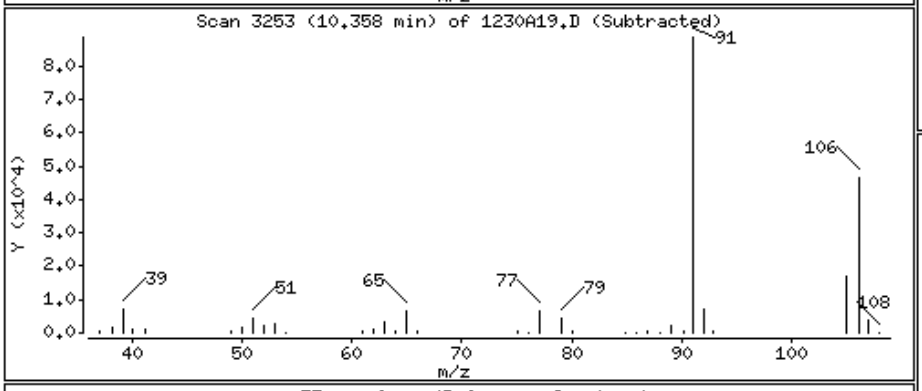
Column diameter: 0.18

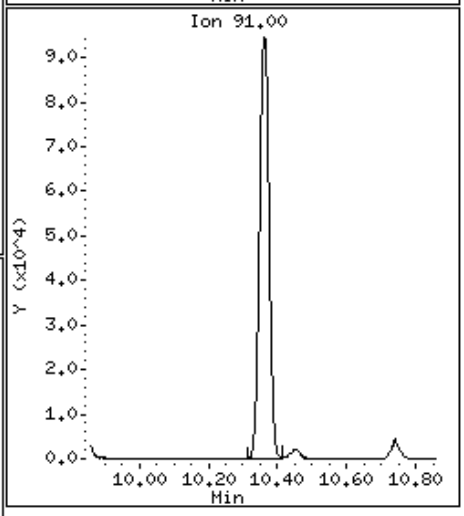
77 o xylene

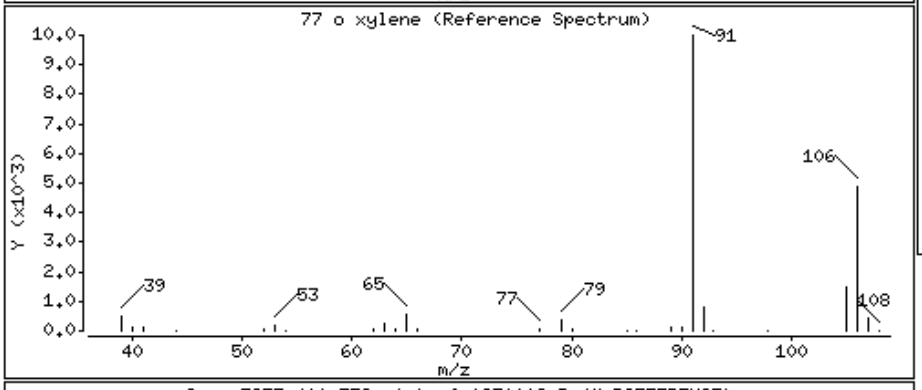
Concentration: 20.451 ngs

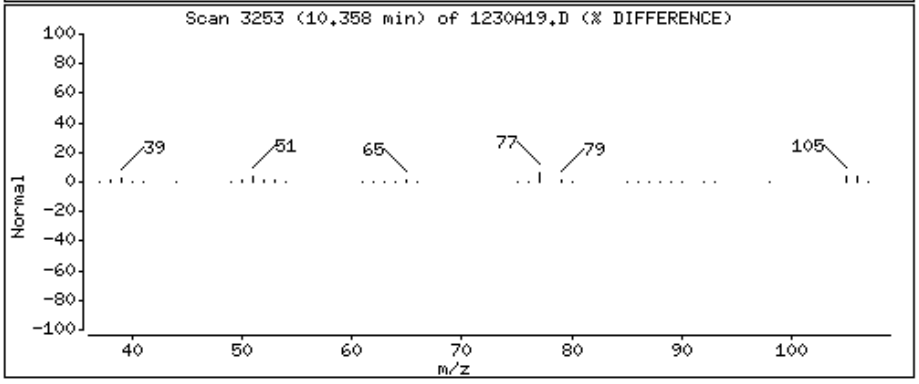












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

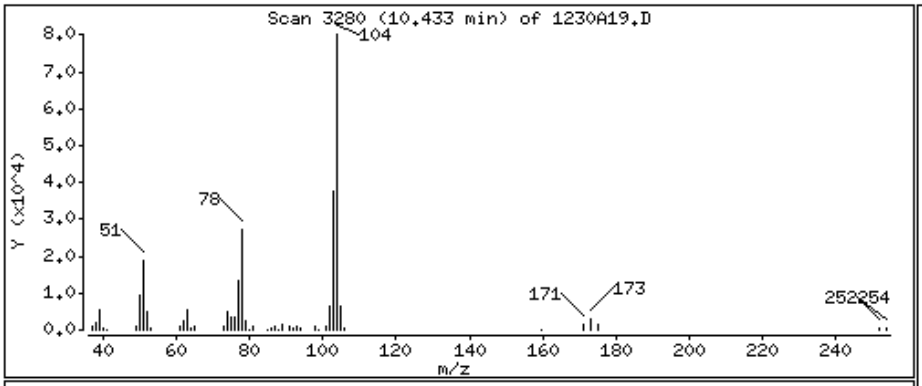
Operator: PK

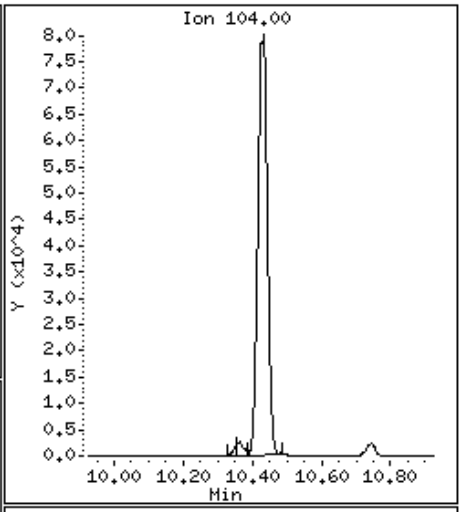
Column phase:

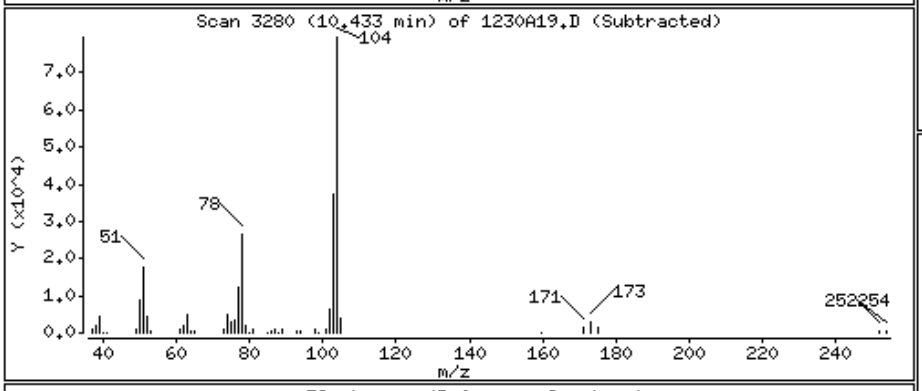
Column diameter: 0.18

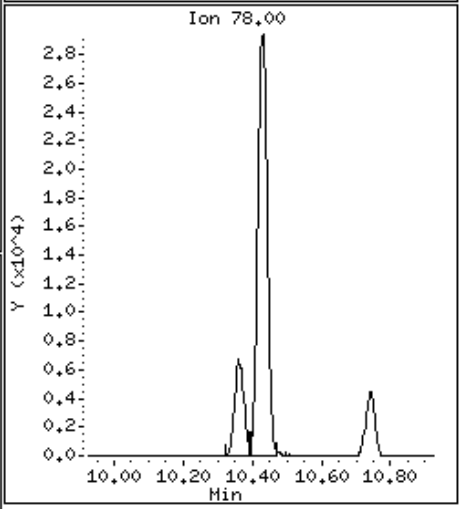
78 styrene

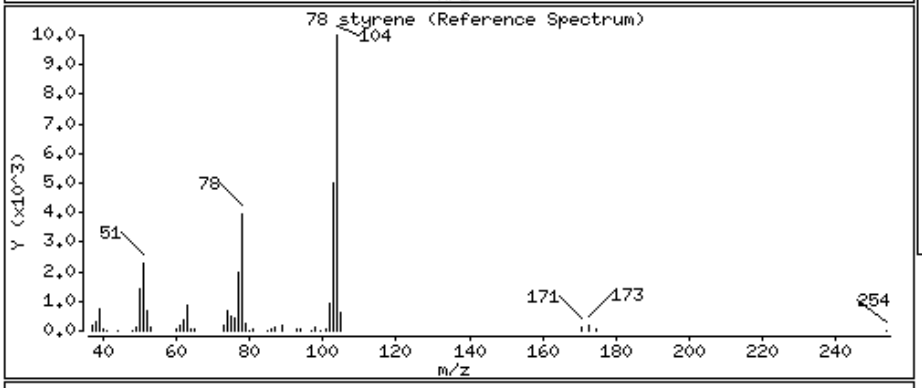
Concentration: 21.078 ngs

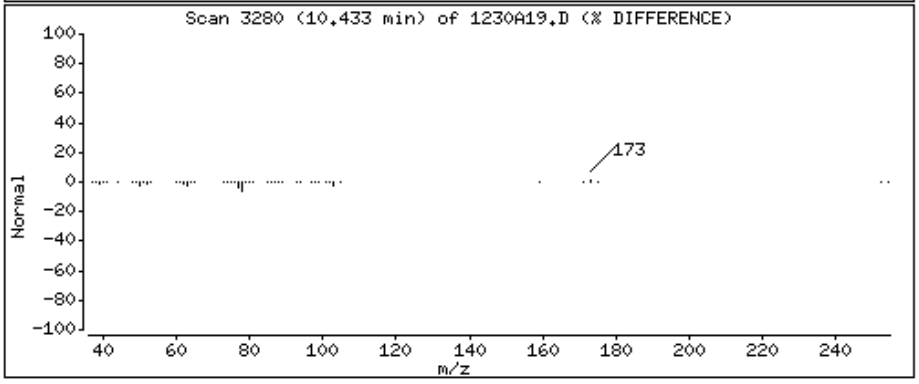












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

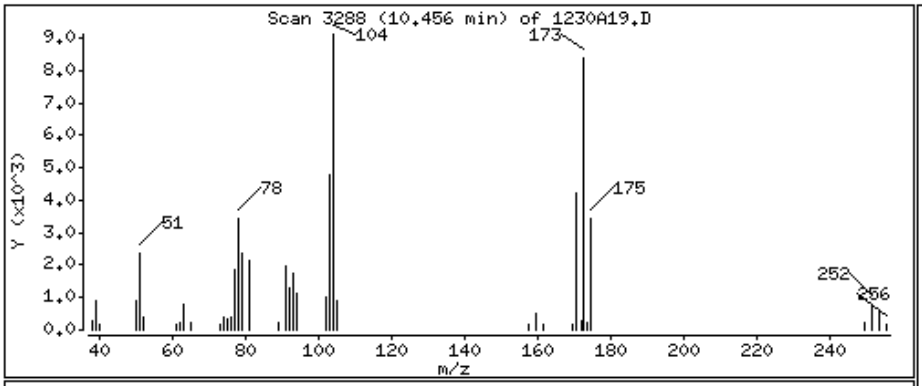
Operator: PK

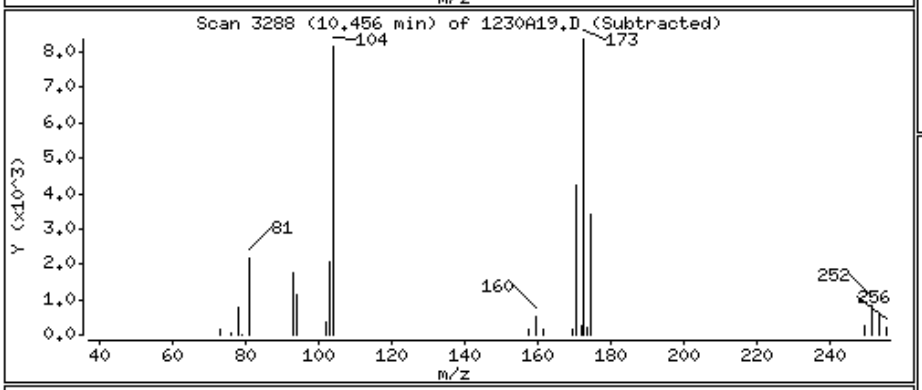
Column phase:

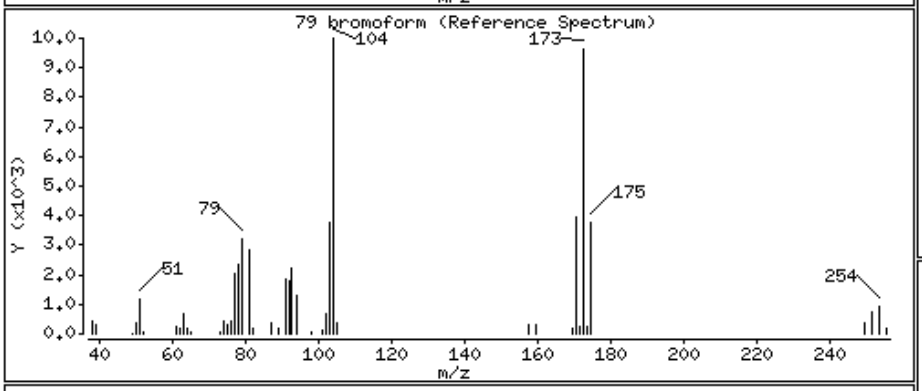
Column diameter: 0.18

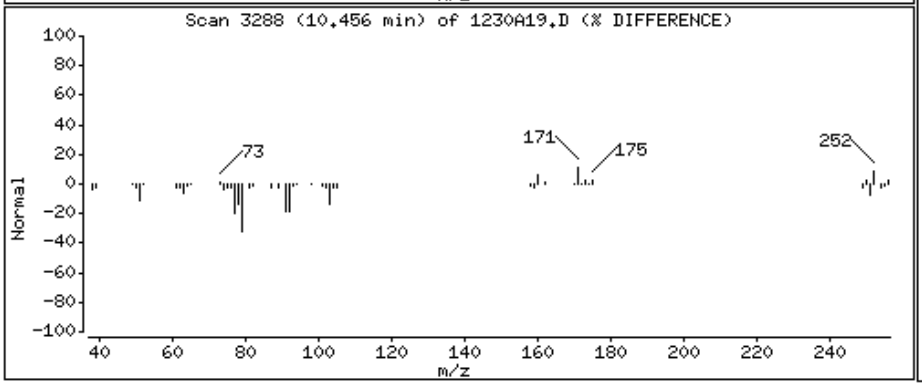
79 bromoform

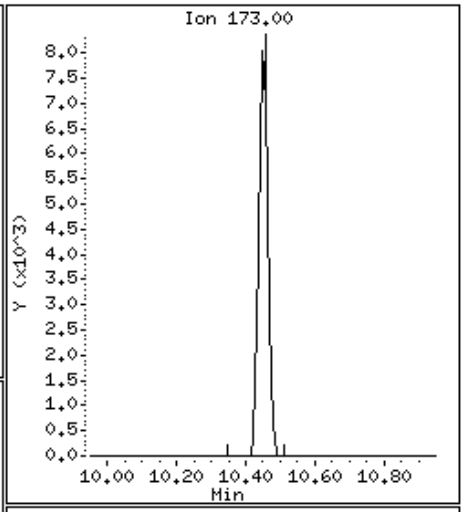
Concentration: 10.515 ngs

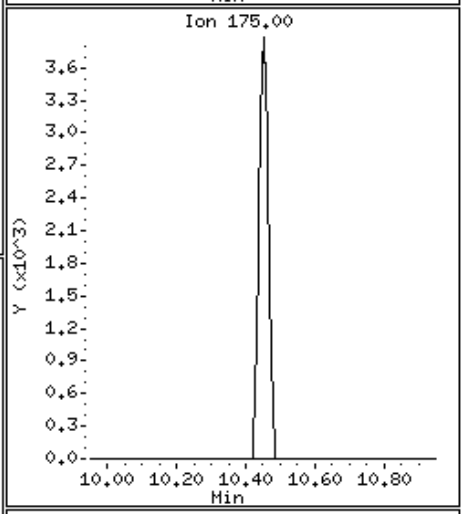


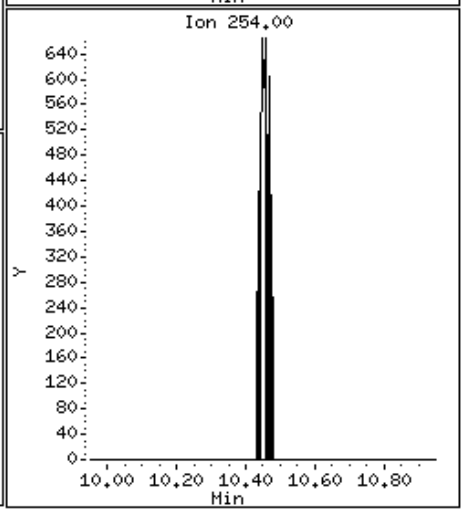












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

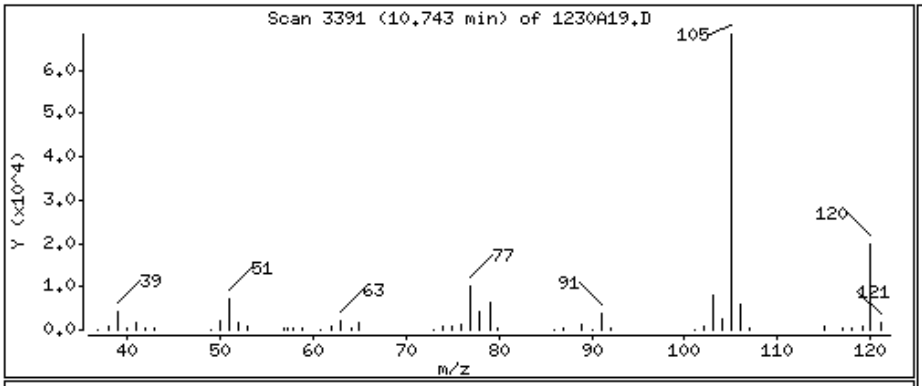
Operator: PK

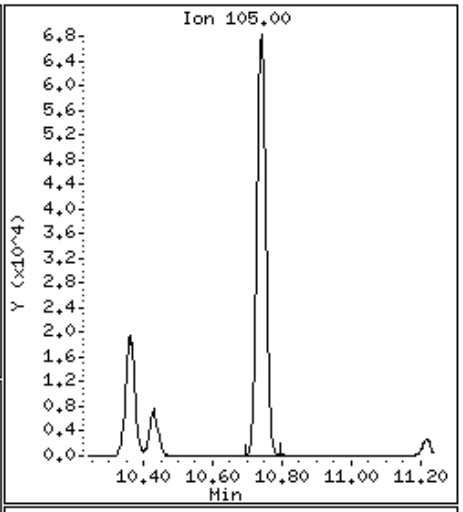
Column phase:

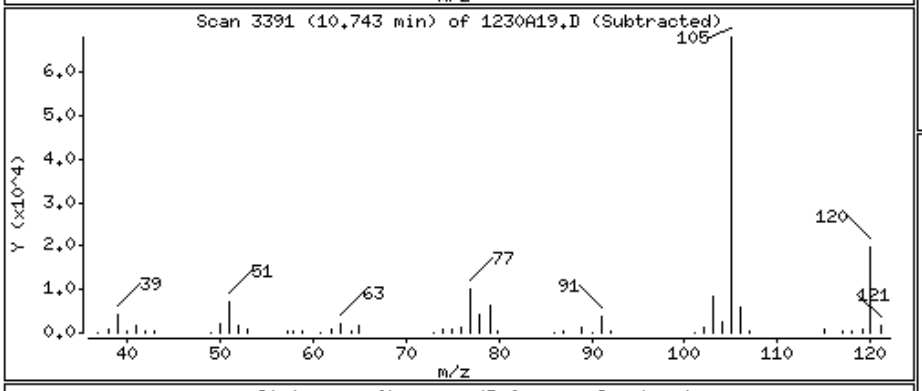
Column diameter: 0.18

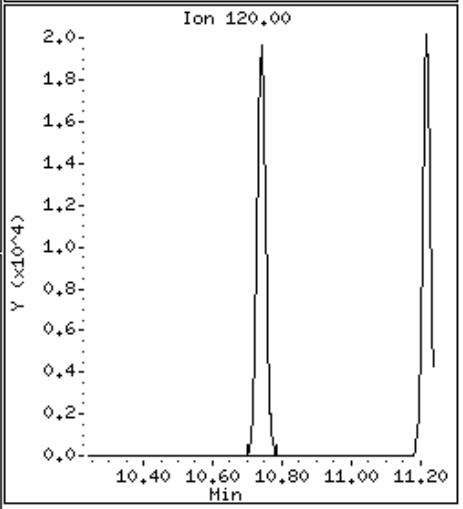
80 isopropylbenzene

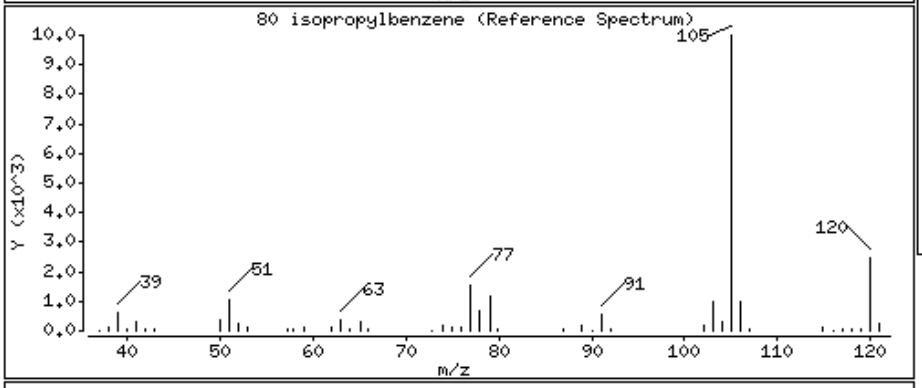
Concentration: 11.549 ngs

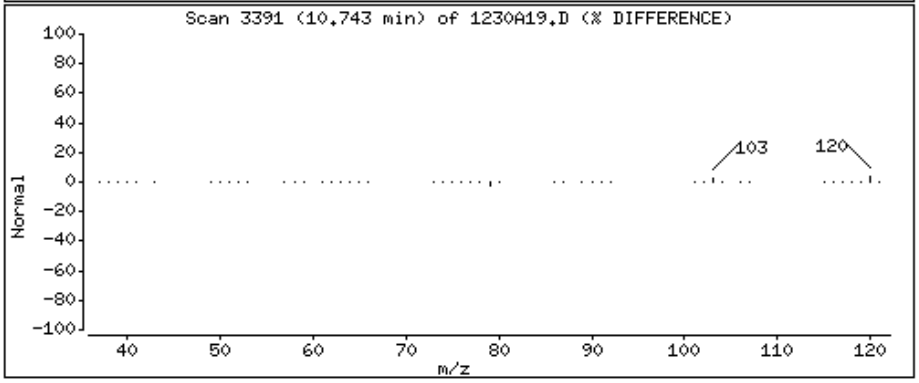












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

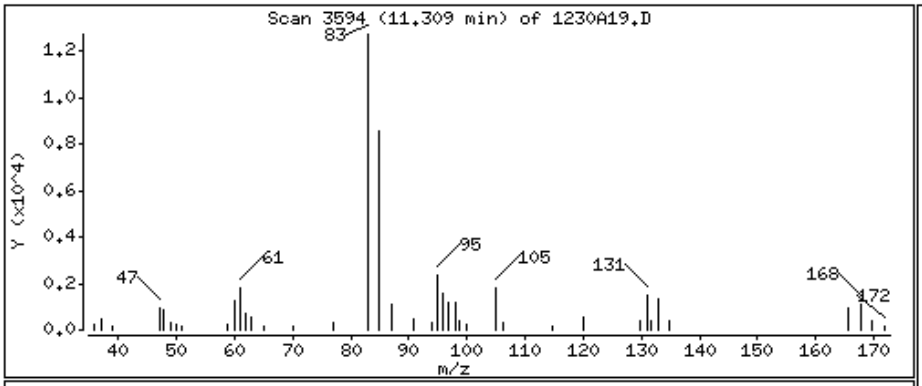
Operator: PK

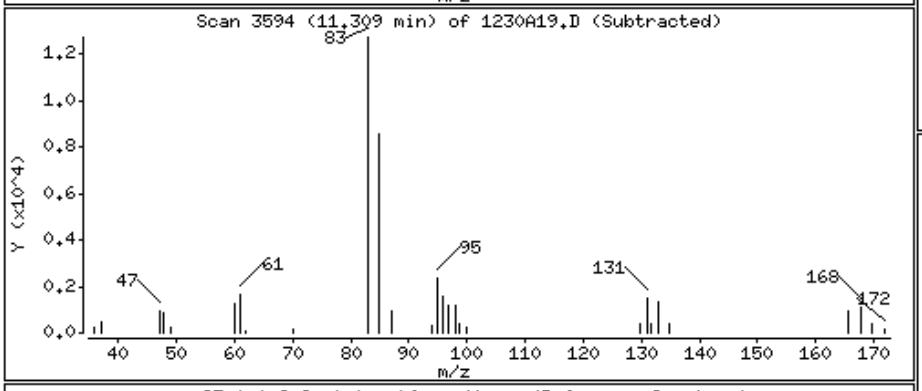
Column phase:

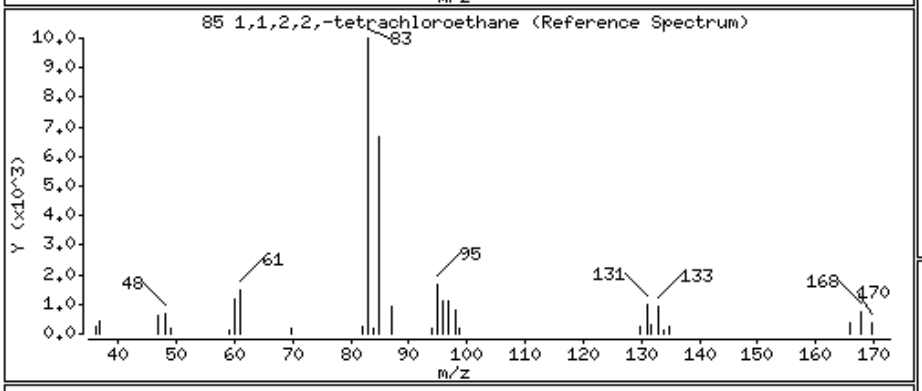
Column diameter: 0.18

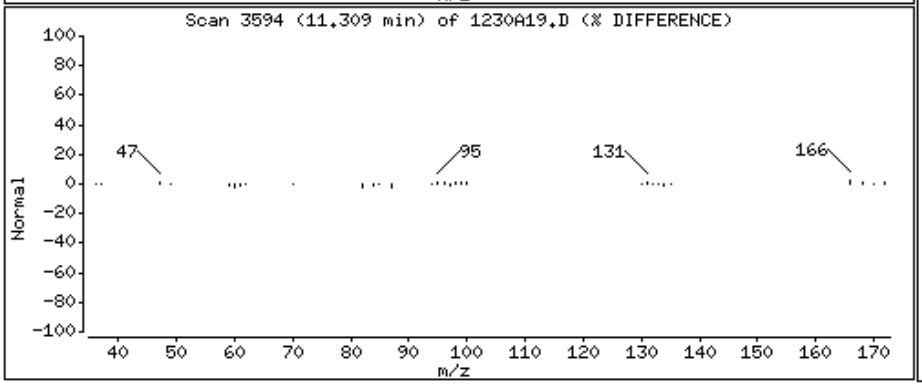
85 1,1,2,2,-tetrachloroethane

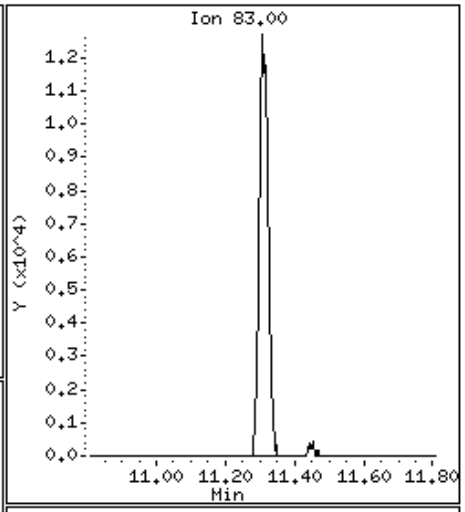
Concentration: 11.605 ngs

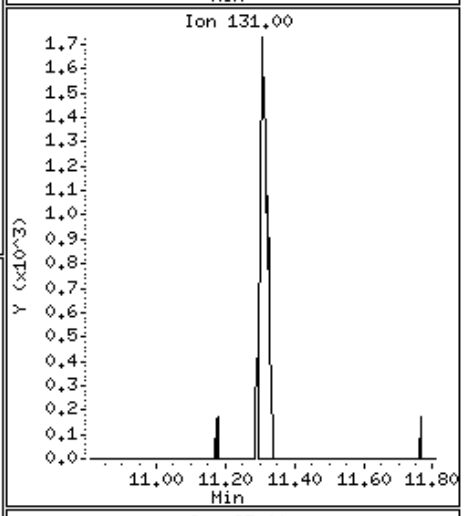


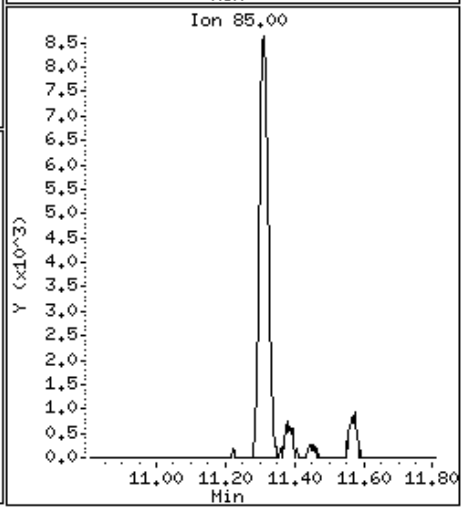












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

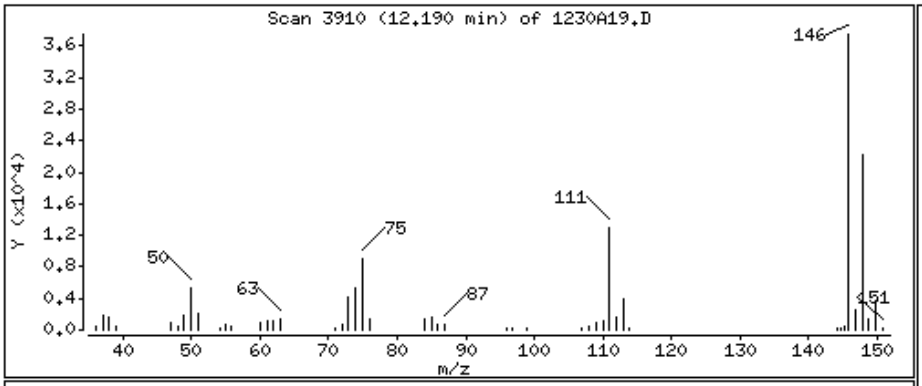
Operator: PK

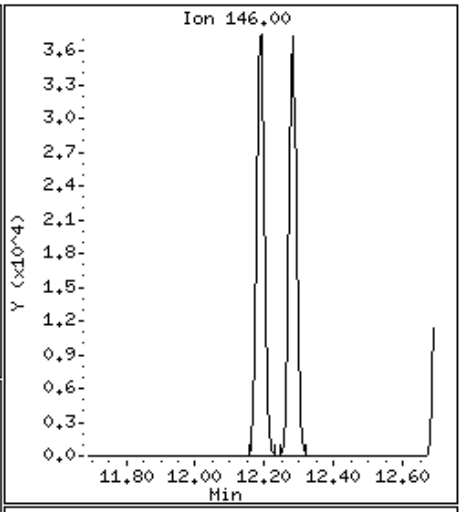
Column phase:

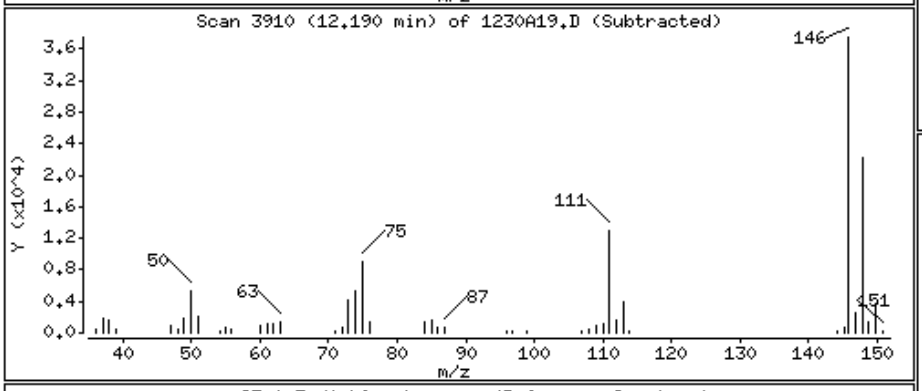
Column diameter: 0.18

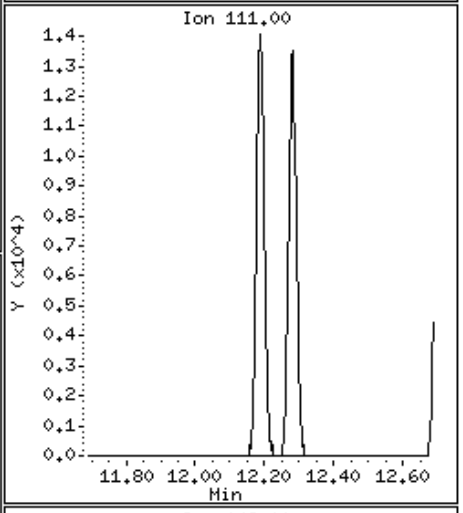
97 1,3-dichlorobenzene

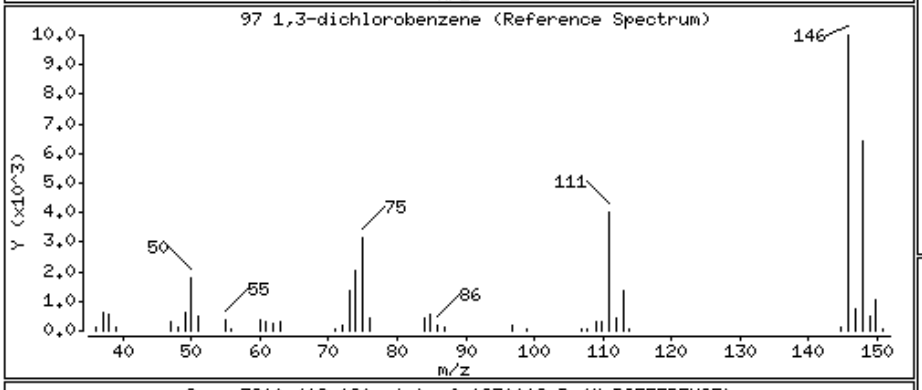
Concentration: 11.625 ngs

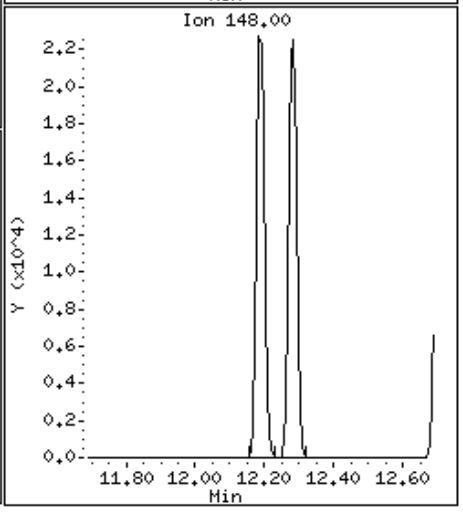


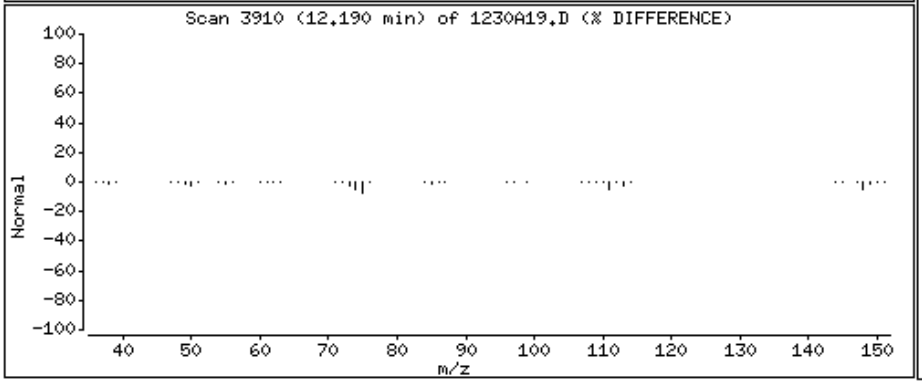












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

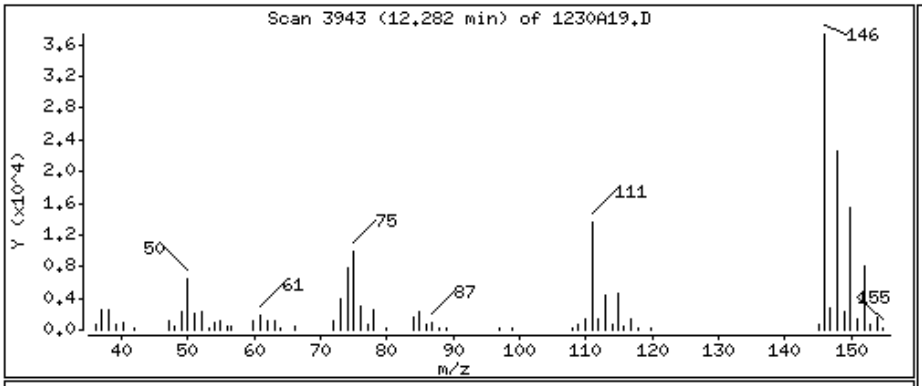
Operator: PK

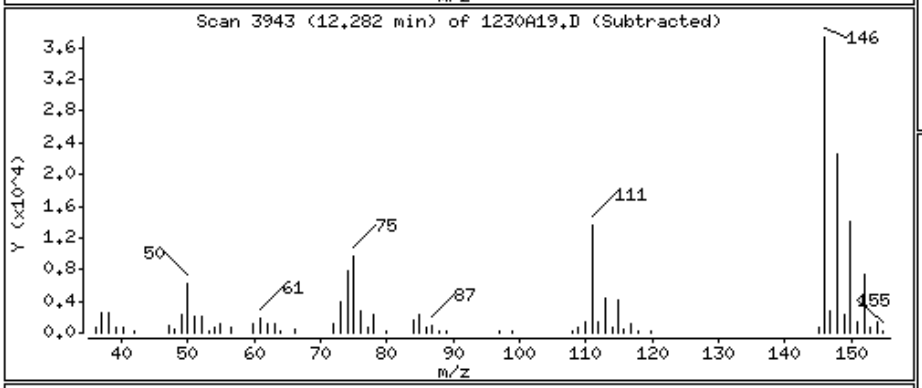
Column phase:

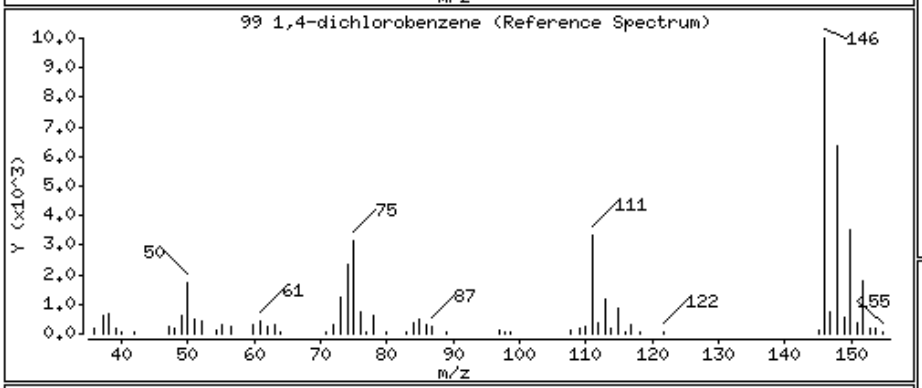
Column diameter: 0.18

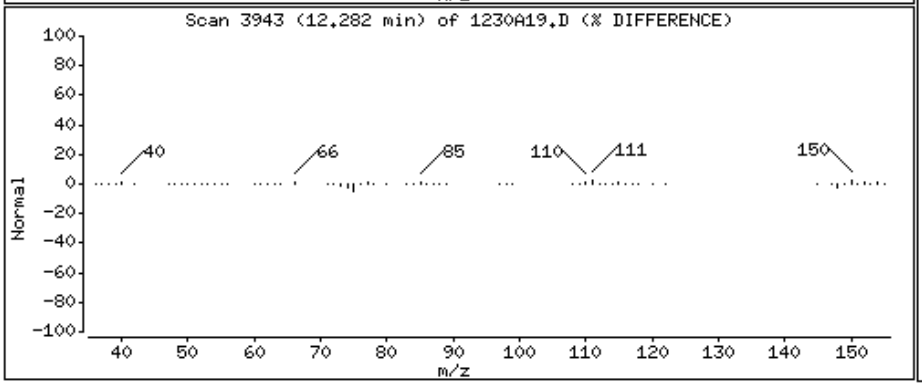
99 1,4-dichlorobenzene

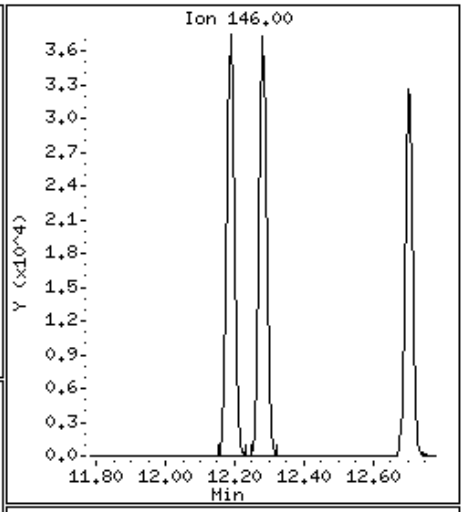
Concentration: 11.380 ngs

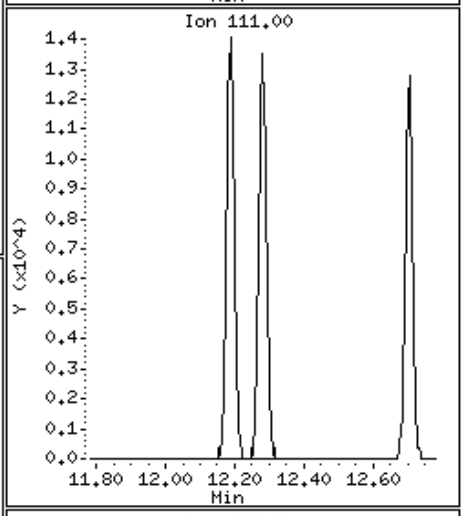


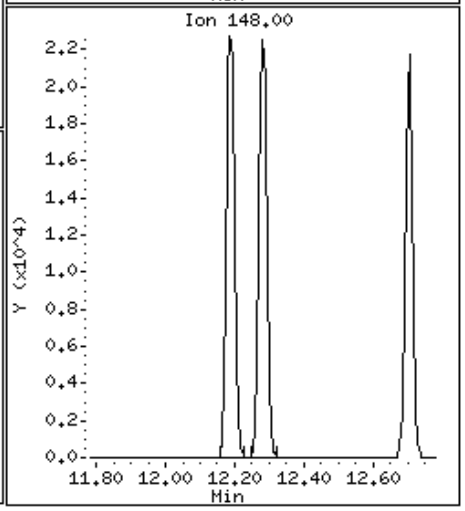












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

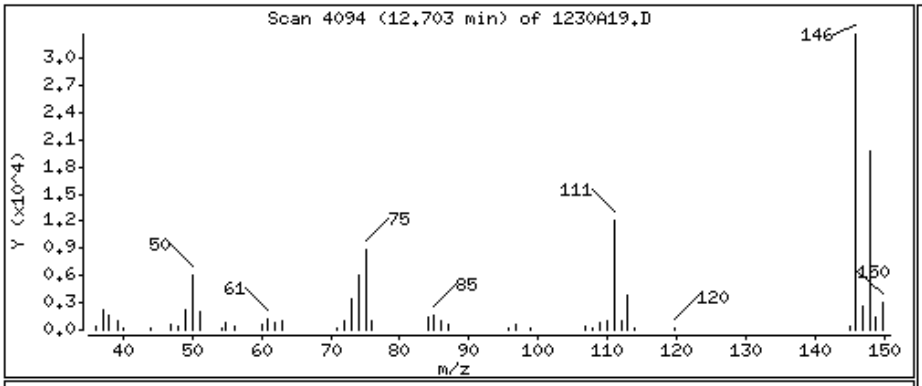
Operator: PK

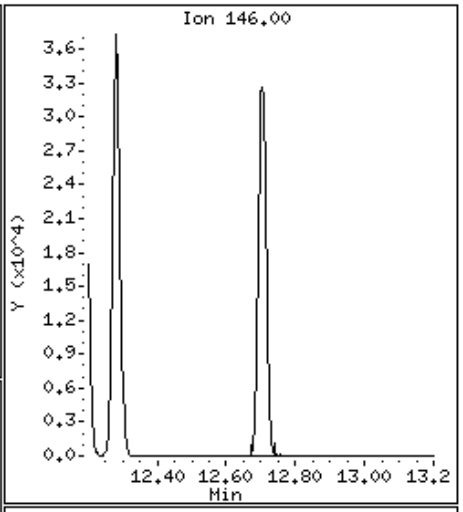
Column phase:

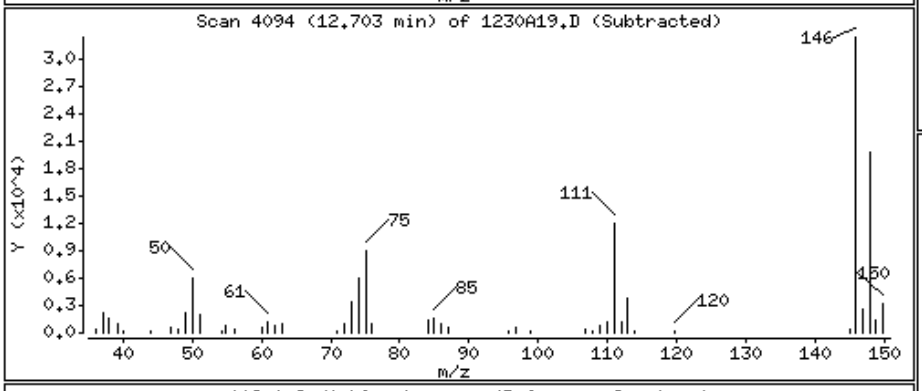
Column diameter: 0.18

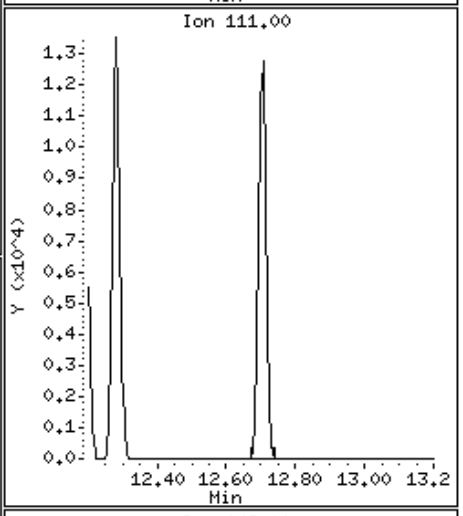
102 1,2-dichlorobenzene

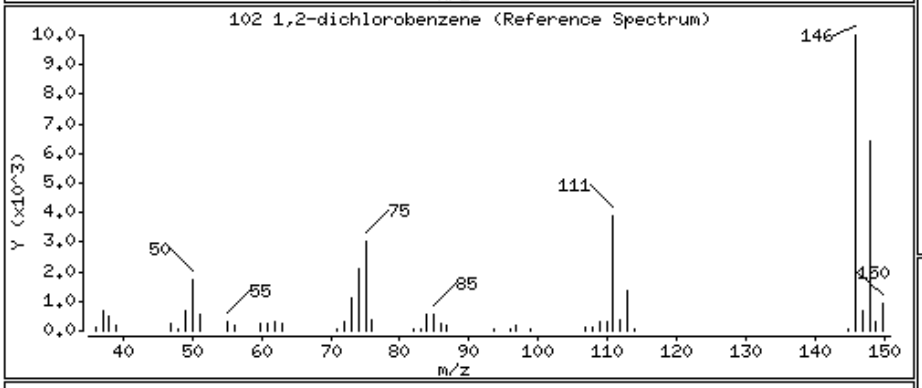
Concentration: 11.584 ngs

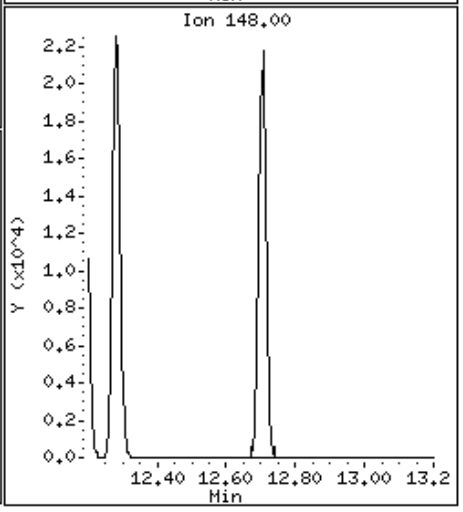


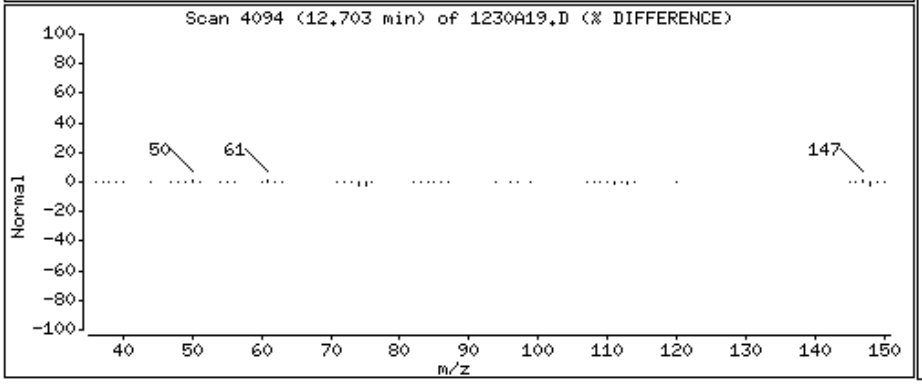












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

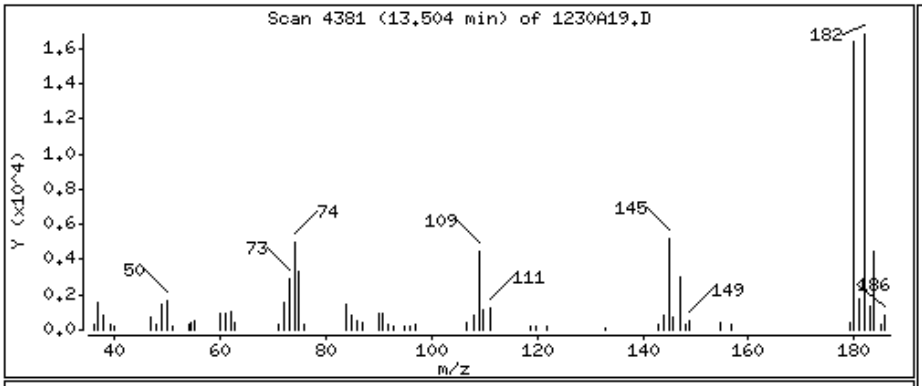
Operator: PK

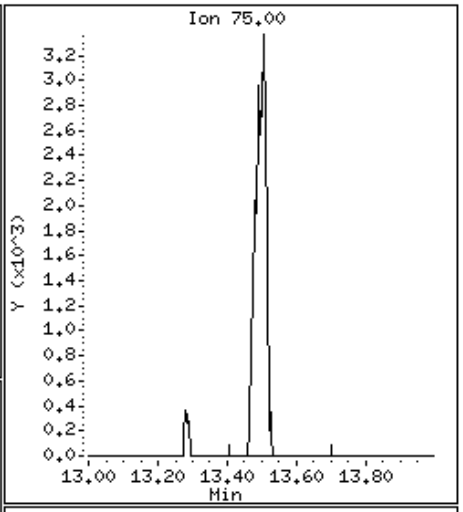
Column phase:

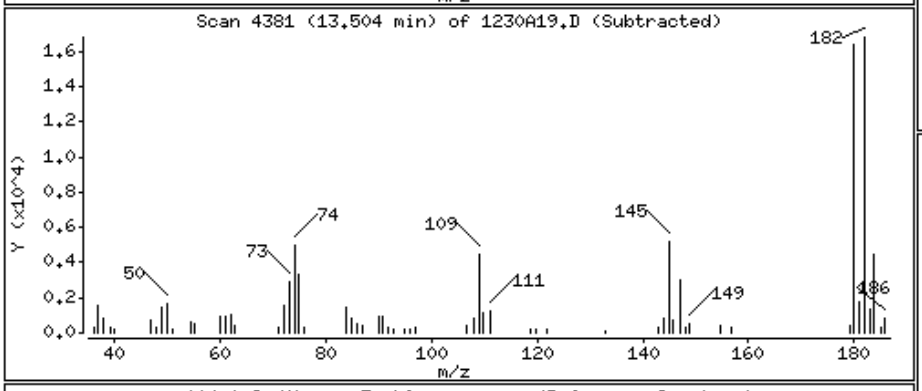
Column diameter: 0.18

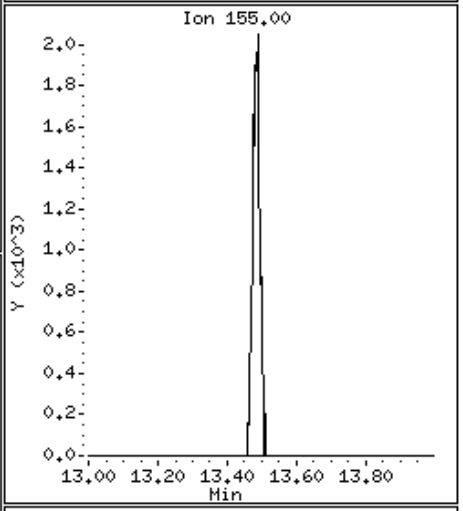
104 1,2-dibromo-3-chloropropane

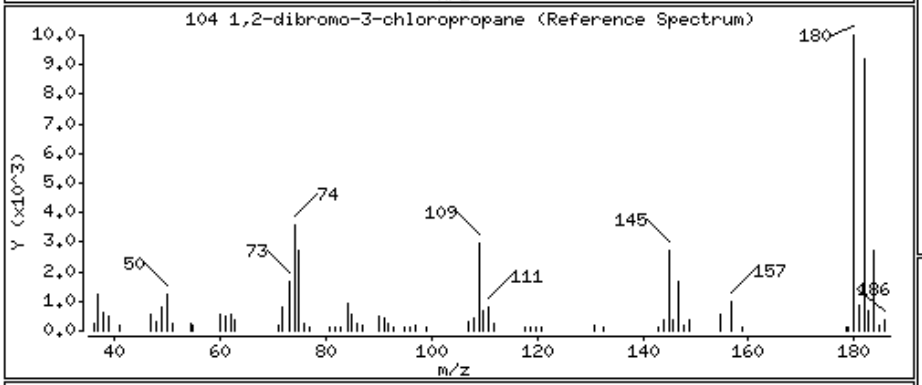
Concentration: 10.541 ngs

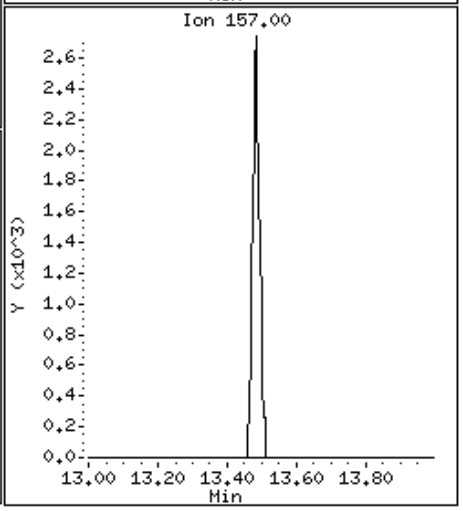


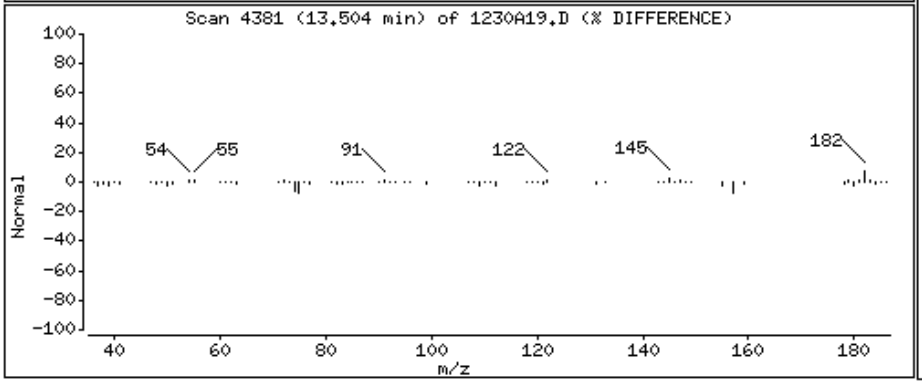












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

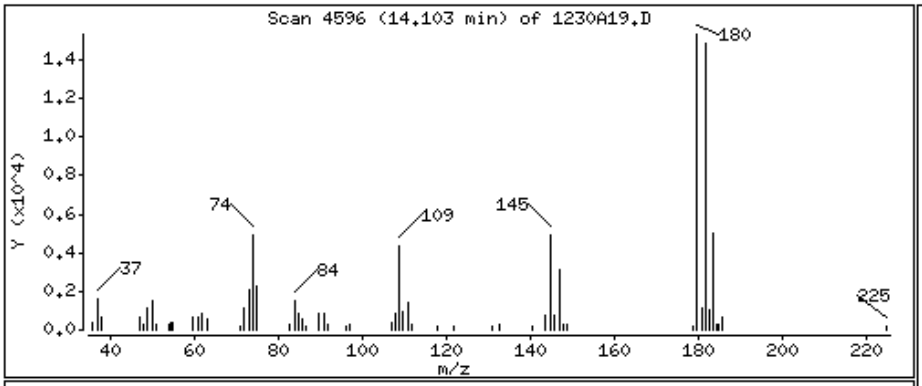
Operator: PK

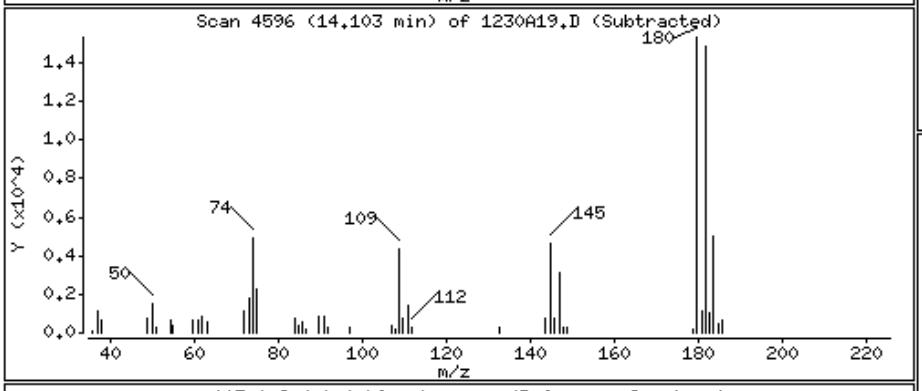
Column phase:

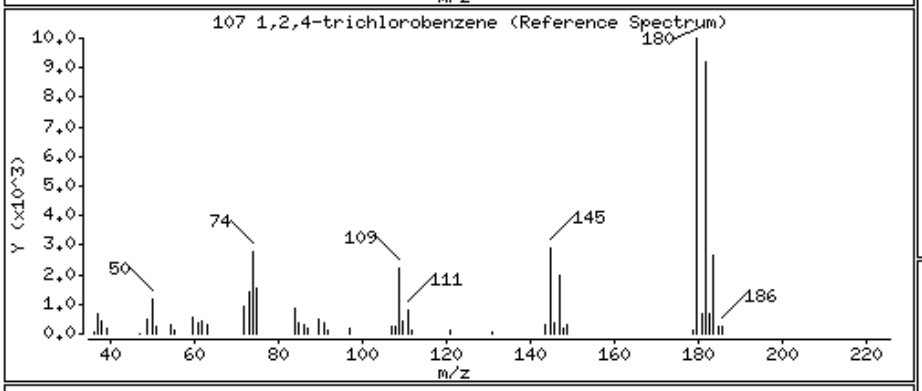
Column diameter: 0.18

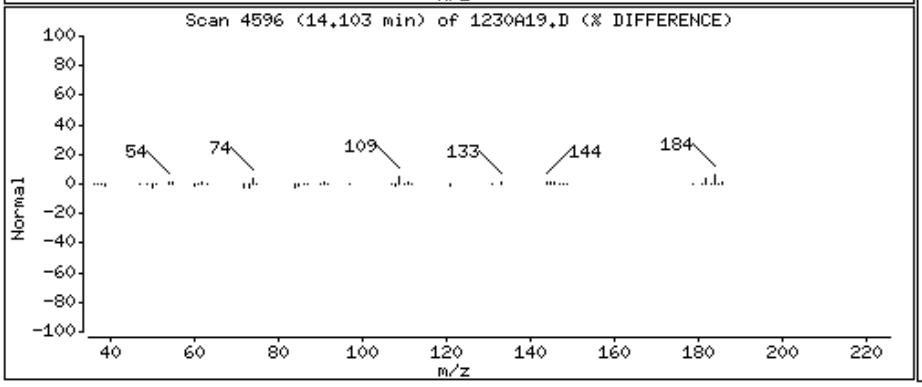
107 1,2,4-trichlorobenzene

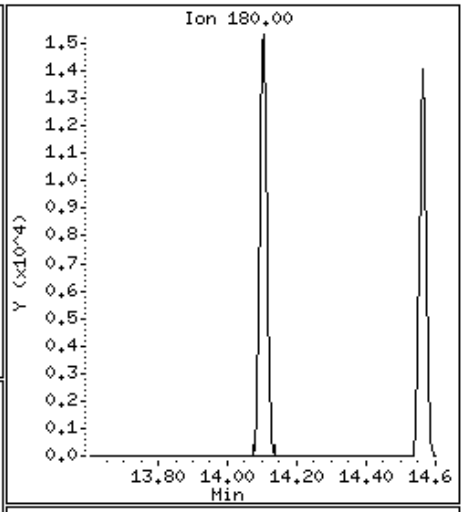
Concentration: 10.709 ngs

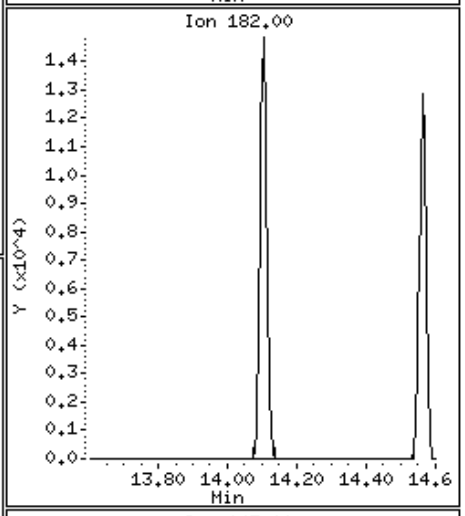


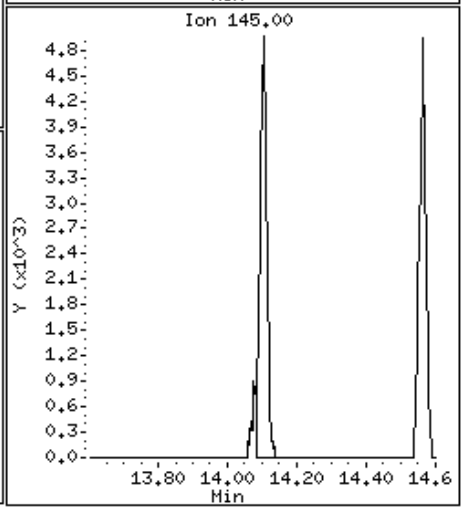












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A19.D

Date : 30-DEC-2015 15:50

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-4,31,10

Purge Volume: 10.0

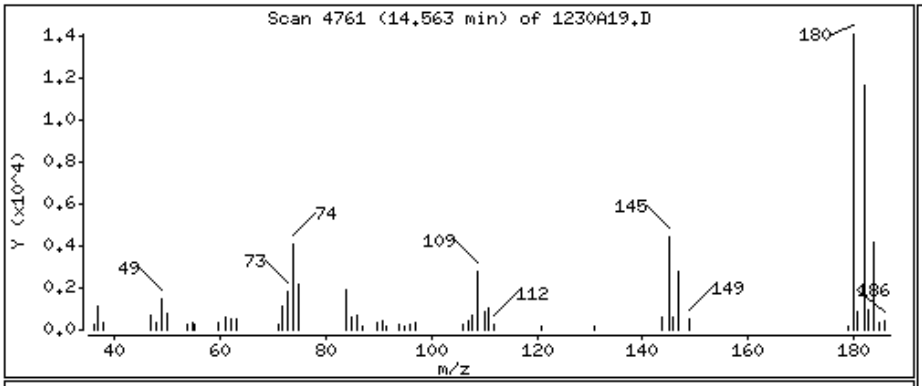
Operator: PK

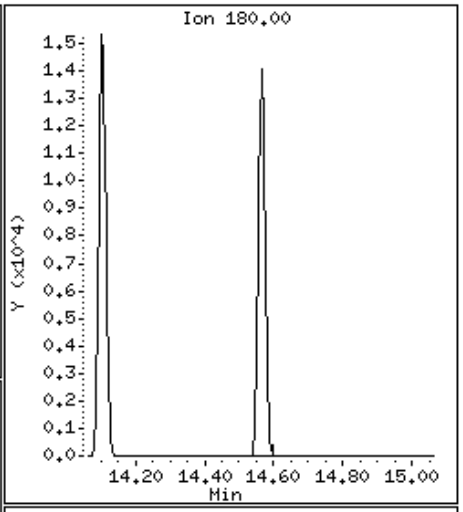
Column phase:

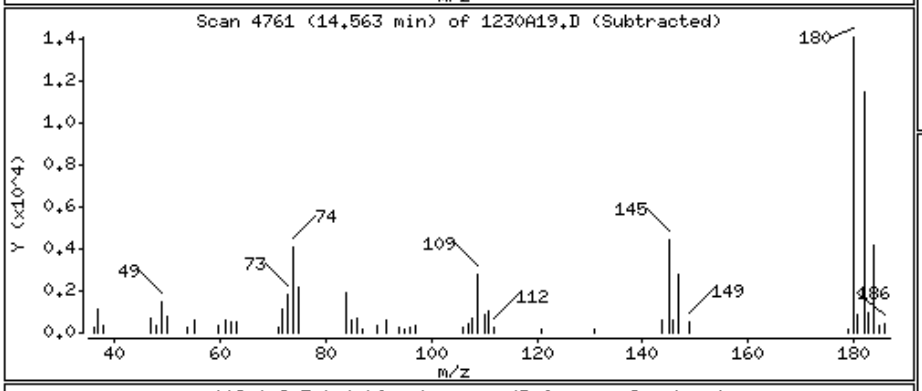
Column diameter: 0.18

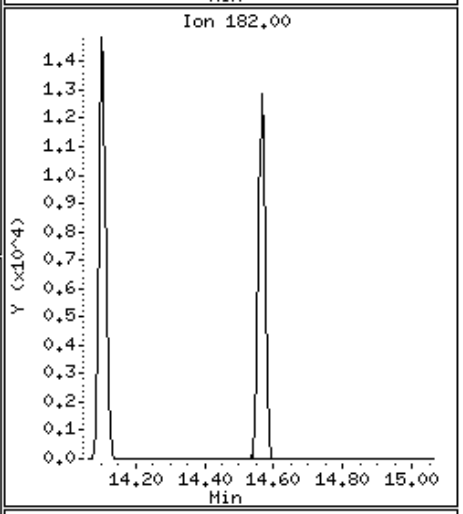
109 1,2,3-trichlorobenzene

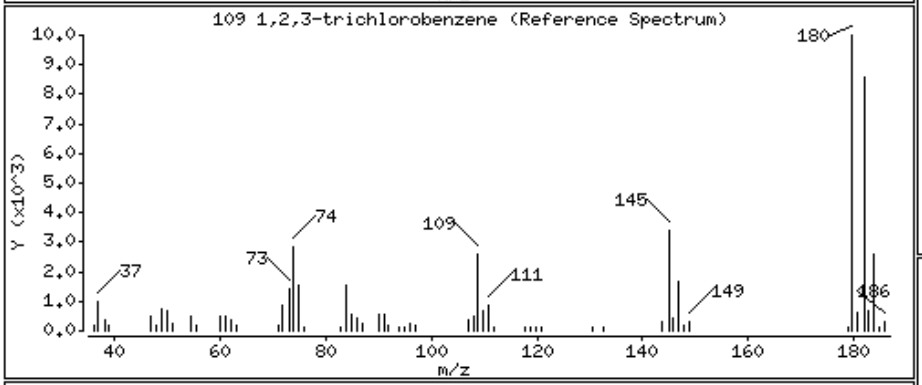
Concentration: 11.158 ngs

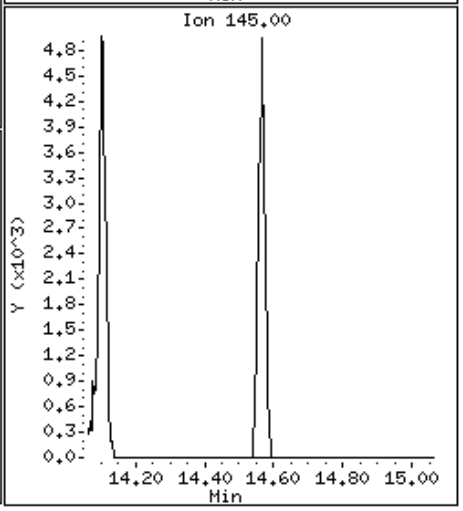


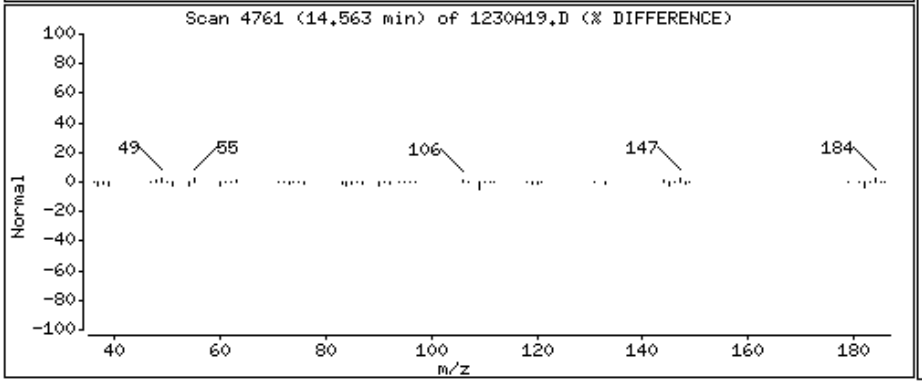












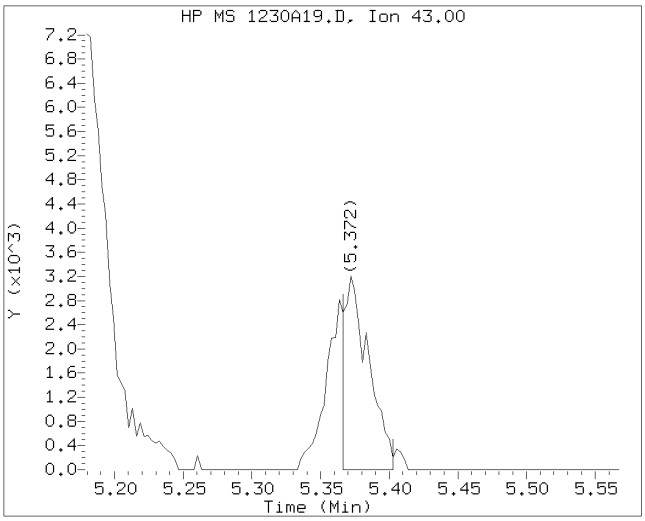
Alpha Analytical Labs

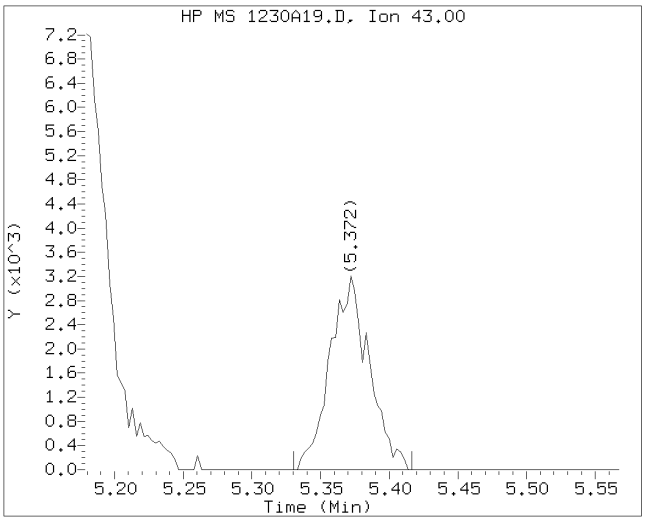
Manual Integration

Sample Info : wg854069-4,31,10
wg854069,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1230A19.D
Injection Date : 30-DEC-2015 15:50
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: MS

Compound # 38: 2-butanone

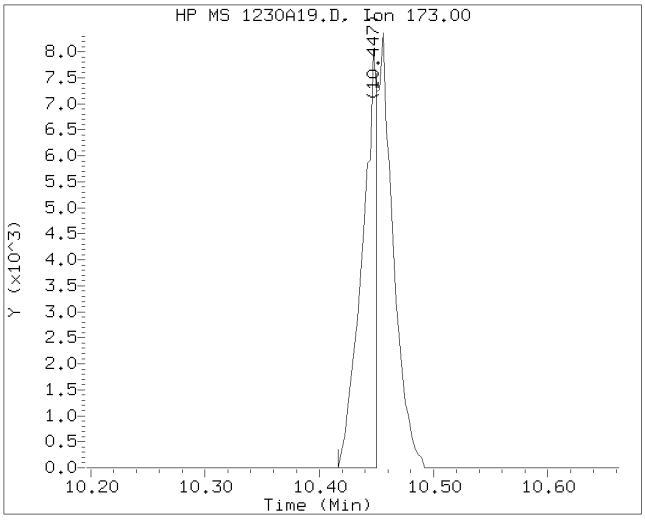


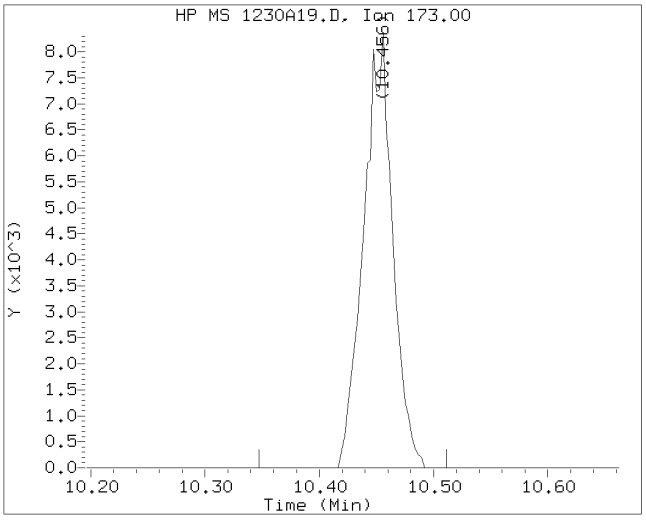


Original Peak Response = 4098 Manual Peak Response = 6381 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 79: bromoform





Original Peak Response = 7449 Manual Peak Response = 14796 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

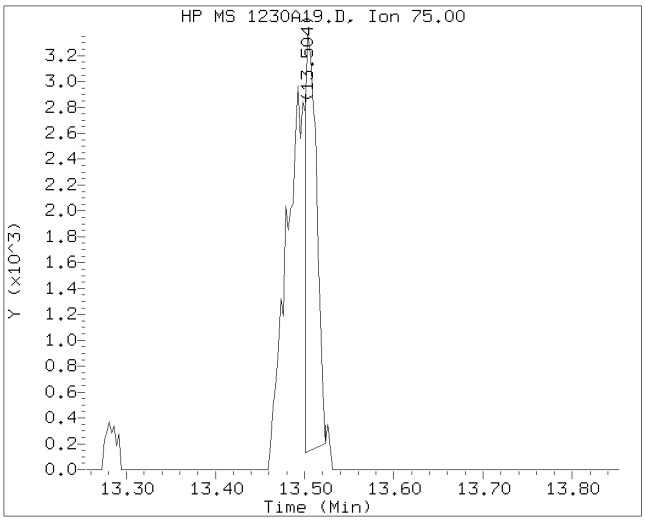
Alpha Analytical Labs

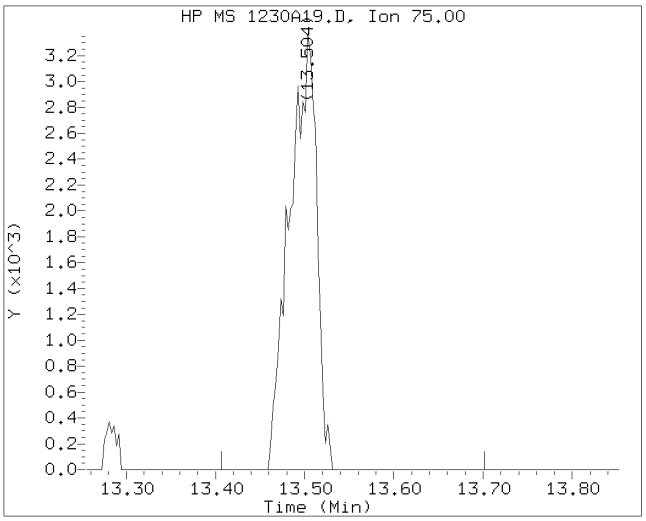
Manual Integration

Sample Info : wg854-4,31,10
wg854,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1230A19.D
Injection Date : 30-DEC-2015 15:50
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: MS

Compound # 104: 1,2-dibromo-3-chloropropane





Original Peak Response = 2826 Manual Peak Response = 7116 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - VOA101

Data file : \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D
Lab Smp Id:
Inj Date : 30-DEC-2015 16:19
Operator : PK Inst ID: Voa108.i
Smp Info : wg854069-5,31,10
Misc Info : wg854069,ical11667
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Meth Date : 30-Dec-2015 19:52 mmay Quant Type: ISTD
Cal Date : 07-NOV-2015 22:27 Cal File: 1107A10.D
Als bottle: 20 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: A1VOA1

Concentration Formula: Amt * DF * 0.1 * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	1.646	1.649	(0.272)	22696	118.717	11.871	
	2 chloromethane	50	1.836	1.836	(0.304)	28404	145.483	14.548(R)	
	3 vinyl chloride	62	1.916	1.919	(0.317)	30868	122.879	12.287	
	4 bromomethane	94	2.232	2.235	(0.369)	20150	114.708	11.470	
	5 chloroethane	64	2.346	2.352	(0.388)	23727	90.1021	9.010	
	6 trichlorofluoromethane	101	2.488	2.488	(0.412)	56678	93.2417	9.324	
	9 1,1,-dichloroethene	96	2.982	2.982	(0.493)	31903	93.9976	9.399	
	11 freon-113	101	3.018	3.018	(0.499)	29276	84.8744	8.487	
	10 carbon disulfide	76	3.007	3.007	(0.497)	86398	85.7353	8.573	
	15 methylene chloride	84	3.542	3.545	(0.586)	26018	123.245	12.324(R)	
	16 acetone	43	3.595	3.601	(0.595)	4665	106.271	10.627	
	17 trans-1,2-dichloroethene	96	3.690	3.687	(0.610)	26750	127.871	12.787(R)	
	18 Methyl Acetate	43	3.712	3.712	(0.614)	6893	78.3183	7.831	
	19 methyl tert butyl ether	73	3.796	3.793	(0.628)	52251	109.421	10.942	
	22 1,1-dichloroethane	63	4.284	4.279	(0.709)	48984	130.310	13.030(R)	
	26 vinyl acetate	43	4.518	4.518	(0.747)	49310	110.454	11.045	
	27 cis-1,2-dichloroethene	96	4.800	4.800	(0.794)	30373	122.733	12.273	
	29 bromochloromethane	128	4.995	4.992	(0.826)	14917	127.454	12.745(R)	
	30 Cyclohexane	56	4.981	4.976	(0.824)	36432	117.181	11.718	
	31 chloroform	83	5.056	5.062	(0.836)	49733	122.498	12.249	
	33 carbontetrachloride	117	5.185	5.185	(0.858)	42470	131.748	13.174	
$	36 dibromofluoromethane	113	5.241	5.241	(0.867)	27419	101.577	10.157	
	37 1,1,1-trichloroethane	97	5.257	5.260	(0.869)	46160	132.126	13.212(R)	
	38 2-butanone	43	5.372	5.369	(0.888)	6465	97.8605	9.786(Q)	
	40 benzene	78	5.631	5.631	(0.931)	106341	121.809	12.180	
$	42 1,2-dichloroethane-d4	65	5.770	5.768	(0.954)	25910	88.5208	8.852	
	43 1,2-dichloroethane	62	5.843	5.837	(0.966)	31540	114.965	11.496	
*	46 flourobenzene	96	6.046	6.049	(1.000)	98724	100.000		

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	47 methyl cyclohexane	83	6.200	6.200	(1.025)	34598	101.578	10.157	
	48 trichloroethene	95	6.217	6.219	(1.028)	30044	122.333	12.233(R)	
	52 1,2-dichloropropane	63	6.769	6.769	(1.119)	26519	124.974	12.497(R)	
	53 bromodichloromethane	83	6.841	6.836	(1.131)	37307	120.958	12.095	
	57 cis-1,3-dichloropropene	75	7.530	7.530	(1.245)	37371	109.969	10.996	
$	58 toluene-d8	98	7.736	7.734	(0.808)	95161	100.596	10.059	
	59 toluene	92	7.792	7.792	(0.814)	68381	124.831	12.483	
	60 4-methyl-2-pentanone	58	8.238	8.233	(1.362)	5279	101.251	10.125(M)	M1
	61 tetrachloroethene	166	8.227	8.222	(0.859)	29874	123.208	12.320	
	62 trans-1,3-dichloropropene	75	8.277	8.275	(0.864)	33833	120.582	12.058	
	66 1,1,2-trichloroethane	83	8.464	8.464	(0.884)	17033	117.090	11.709	
	67 chlorodibromomethane	129	8.671	8.668	(0.905)	28062	126.917	12.691(QR)	
	70 1,2-dibromoethane	107	8.952	8.950	(0.935)	21370	123.604	12.360(R)	
	71 2-hexanone	43	9.245	9.242	(0.965)	8741	100.895	10.089(QM)	M1
*	72 chlorobenzene-d5	117	9.577	9.574	(1.000)	77544	100.000		
	73 chlorobenzene	112	9.596	9.594	(1.002)	81872	124.535	12.453	
	74 ethyl benzene	91	9.635	9.633	(1.006)	130296	118.267	11.826(R)	
	76 p/m xylene	106	9.822	9.817	(1.026)	102205	224.640	22.463	
	77 o xylene	106	10.360	10.358	(1.082)	93361	210.712	21.071	
	78 styrene	104	10.427	10.425	(1.089)	158640	220.569	22.056	
	79 bromoform	173	10.452	10.450	(0.852)	15816	109.881	10.988	
	80 isopropylbenzene	105	10.742	10.740	(0.876)	126989	118.653	11.865	
$	81 4-bromofluorobenzene	95	11.063	11.061	(0.902)	31704	97.4628	9.746	
	85 1,1,2,2,-tetrachloroethane	83	11.311	11.309	(0.922)	24218	123.320	12.332	
	97 1,3-dichlorobenzene	146	12.190	12.190	(0.994)	60817	120.958	12.095	
*	98 1,4-dichlorobenzene-d4	152	12.265	12.265	(1.000)	40230	100.000		
	99 1,4-dichlorobenzene	146	12.285	12.282	(1.002)	59998	119.077	11.907	
	102 1,2-dichlorobenzene	146	12.703	12.700	(1.036)	54346	121.257	12.125	
	104 1,2-dibromo-3-chloropropane	75	13.500	13.498	(1.101)	8053	116.836	11.683(M)	M1
	107 1,2,4-trichlorobenzene	180	14.103	14.103	(1.150)	23325	115.577	11.557	
	109 1,2,3-trichlorobenzene	180	14.563	14.563	(1.187)	20279	117.571	11.757	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa108.i
Lab File ID: 1230A20.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PK
Method File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Misc Info: wg854069,ical11667

Calibration Date: 30-DEC-2015
Calibration Time: 07:52
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
46 flourobenzene	119032	59516	238064	98724	-17.06
72 chlorobenzene-d5	94214	47107	188428	77544	-17.69
98 1,4-dichlorobenze	46084	23042	92168	40230	-12.70

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
46 flourobenzene	6.05	5.55	6.55	6.05	-0.05
72 chlorobenzene-d5	9.57	9.07	10.07	9.58	0.03
98 1,4-dichlorobenze	12.27	11.77	12.77	12.27	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

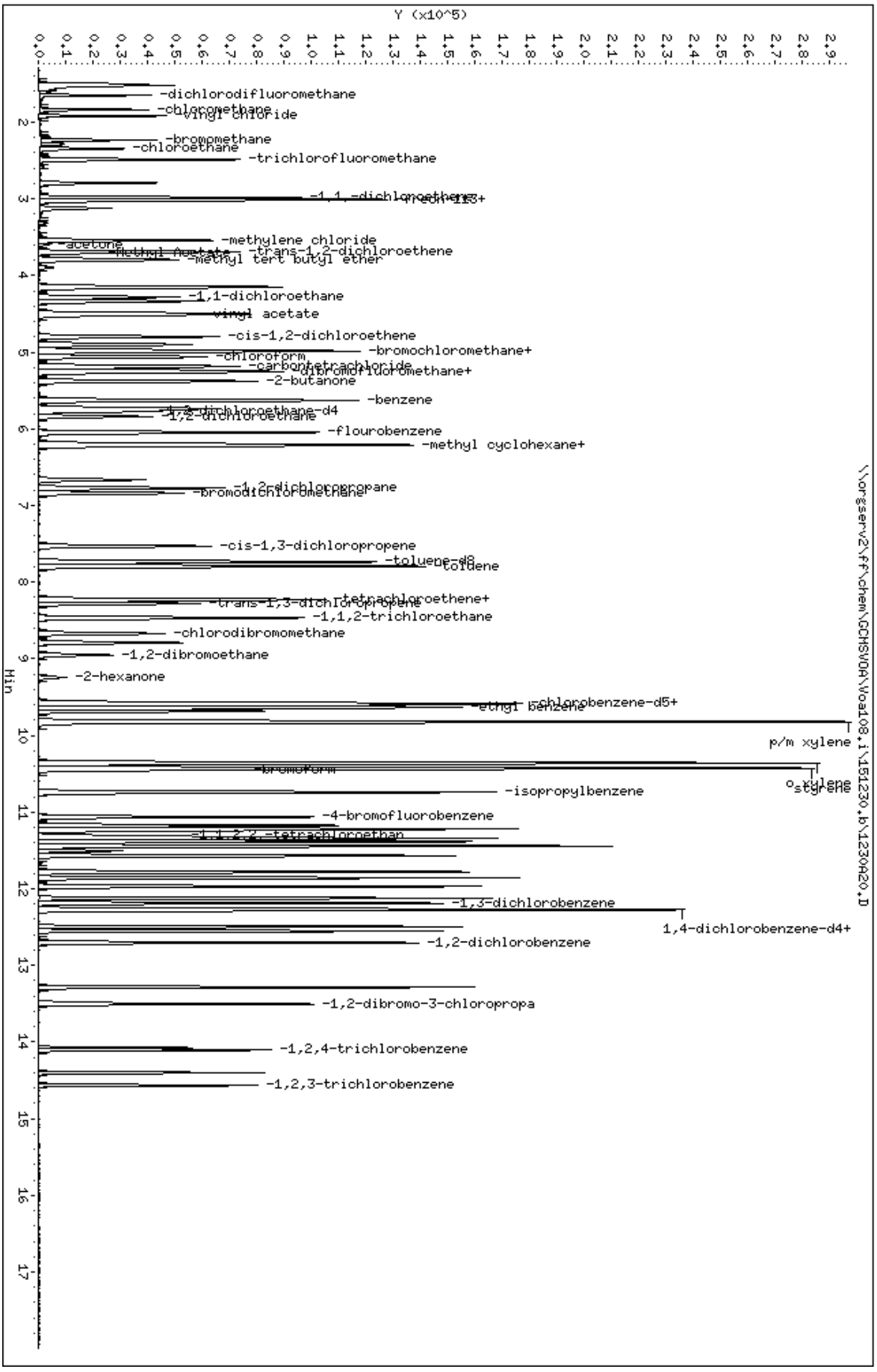
RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PK
Data Type: MS DATA SampleType: MSD
SpikeList File: newtcreek.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\liq8260C.m
Misc Info: wg854069,ical11667

	SPIKE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
1	dichlorodifluorome	100.000	118.717	118.72	36-147
2	chloromethane	100.000	145.482	145.48*	64-130
3	vinyl chloride	100.000	122.878	122.88	55-140
4	bromomethane	100.000	114.708	114.71	39-139
5	chloroethane	100.000	90.102	90.10	55-138
6	trichlorofluoromet	100.000	93.241	93.24	62-150
9	1,1,-dichloroethen	100.000	93.997	94.00	61-145
10	carbon disulfide	100.000	85.735	85.74	51-121
11	freon-113	100.000	84.874	84.87	70-130
15	methylene chloride	100.000	123.244	123.24*	74-121
16	acetone	100.000	106.271	106.27	58-148
17	trans-1,2-dichloro	100.000	127.871	127.87*	75-125
18	Methyl Acetate	100.000	78.318	78.32	70-130
19	methyl tert butyl	100.000	109.421	109.42	63-112
22	1,1-dichloroethane	100.000	130.309	130.31*	73-119
26	vinyl acetate	100.000	110.454	110.45	83-124
27	cis-1,2-dichloroet	100.000	122.732	122.73	75-125
29	bromochloromethane	100.000	127.453	127.45*	74-123
30	Cyclohexane	100.000	117.181	117.18	70-130
31	chloroform	100.000	122.498	122.50	75-125
33	carbontetrachlorid	100.000	131.747	131.75	63-132
37	1,1,1-trichloroeth	100.000	132.125	132.13*	67-123
38	2-butanone	100.000	97.860	97.86	63-138
40	benzene	100.000	121.808	121.81	76-127
43	1,2-dichloroethane	100.000	114.965	114.97	71-125
48	trichloroethene	100.000	122.332	122.33*	71-120
47	methyl cyclohexane	100.000	101.578	101.58	70-130
52	1,2-dichloropropan	100.000	124.974	124.97*	70-120
53	bromodichlorometha	100.000	120.957	120.96	67-121
57	cis-1,3-dichloropr	100.000	109.968	109.97	75-125
59	toluene	100.000	124.830	124.83	76-125
60	4-methyl-2-pentano	100.000	101.250	101.25	59-126
61	tetrachloroethene	100.000	123.207	123.21	70-130
62	trans-1,3-dichloro	100.000	120.581	120.58	75-125
66	1,1,2-trichloroeth	100.000	117.090	117.09	70-125
67	chlorodibromometha	100.000	126.916	126.92*	63-119
70	1,2-dibromoethane	100.000	123.603	123.60*	70-119
71	2-hexanone	100.000	100.895	100.90	57-128
73	chlorobenzene	100.000	124.534	124.53	75-130
74	ethyl benzene	100.000	118.266	118.27*	79-118

SPIKE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
76 p/m xylene	200.000	224.639	112.32	75-125
77 o xylene	200.000	210.711	105.36	75-125
78 styrene	200.000	220.569	110.28	70-122
79 bromoform	100.000	109.880	109.88	54-136
80 isopropylbenzene	100.000	118.652	118.65	73-122
85 1,1,2,2,-tetrachlo	100.000	123.320	123.32	67-124
97 1,3-dichlorobenzen	100.000	120.957	120.96	75-125
99 1,4-dichlorobenzen	100.000	119.076	119.08	75-125
102 1,2-dichlorobenzen	100.000	121.257	121.26	75-125
104 1,2-dibromo-3-chlo	100.000	116.835	116.84	41-144
107 1,2,4-trichloroben	100.000	115.576	115.58	75-125
109 1,2,3-trichloroben	100.000	117.571	117.57	75-125

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 36 dibromofluorometha	100.000	101.576	101.58	70-130
$ 42 1,2-dichloroethane	100.000	88.520	88.52	70-130
$ 58 toluene-d8	100.000	100.596	100.60	70-130
$ 81 4-bromofluorobenze	100.000	97.462	97.46	70-130


Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108,i\151230,b\1230A20.D
Date : 30-DEC-2015 16:19
Client ID:
Sample Info: ug854069-5,31,10
Purge Volume: 10.0
Column phase:
Instrument: Voa108,i
Operator: PK
Column diameter: 0.18
\\orgserv2\ff\chem\GCMSVOA\Voa108,i\151230,b\1230A20.D
Y (x10^5)
Min
-dichlorodifluoromethane
-chloromethane
vinyl chloride
-bromomethane
-chloroethane
-trichlorofluoromethane
-1,1,-dichloroethene
Freon 113+
-methylene chloride
acetone
-trans-1,2-dichloroethene
Methyl Acetate
-methyl tert butyl ether
-1,1-dichloroethane
vinyl acetate
-cis-1,2-dichloroethene
-bromochloromethane+
-chloroform
-carbontetrachloride
dibromofluoromethane+
-2-butanone
-benzene
1,2-dichloroethane-d4
1,2-dichloroethane
-flourobenzene
-methyl cyclohexane+
-1,2dichloropropane
-bromodichloromethane
-cis-1,3-dichloropropene
-toluene-d8
toluene
-trans-1,3-dichloropropene
tetrachloroethene+
-1,1,2-trichloroethane
-chlorodibromomethane
-1,2-dibromoethane
-2-hexanone
-chlorobenzene-d5+
ethyl benzene
p/m xylene
bromoform
o-xylene
styrene
-isopropylbenzene
-4-bromofluorobenzene
-1,1,2,2-tetrachloroethan
-1,3-dichlorobenzene
1,4-dichlorobenzene-d4+
-1,2-dichlorobenzene
-1,2-dibromo-3-chloropropa
-1,2,4-trichlorobenzene
-1,2,3-trichlorobenzene

Page 6

Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

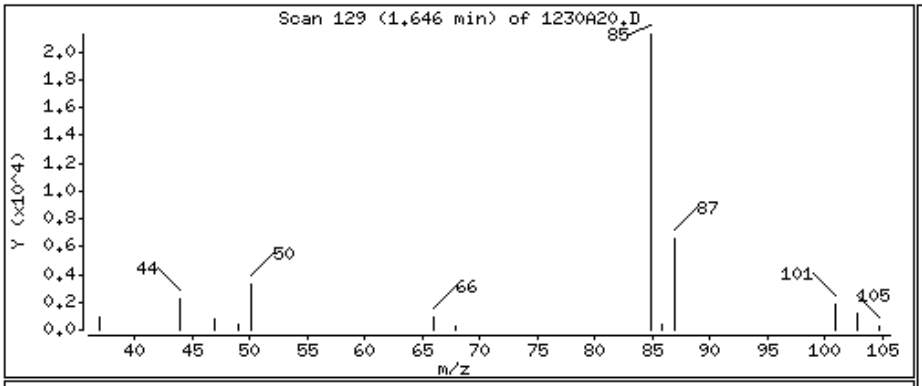
Operator: PK

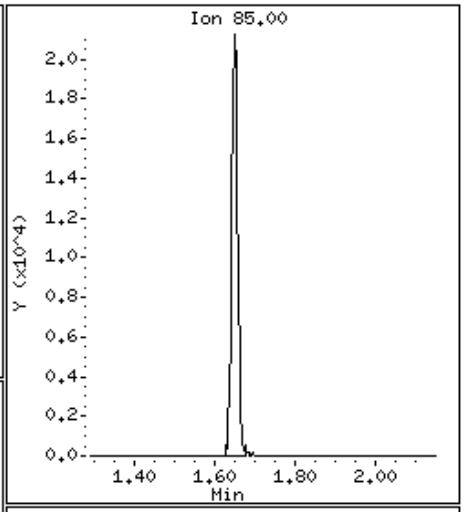
Column phase:

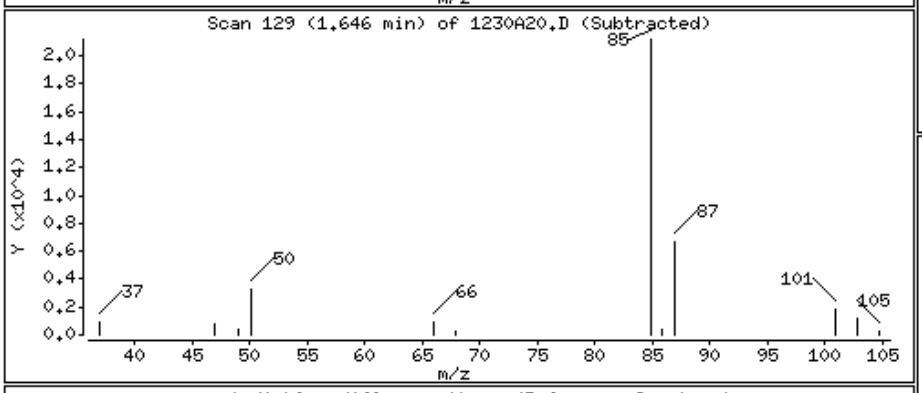
Column diameter: 0.18

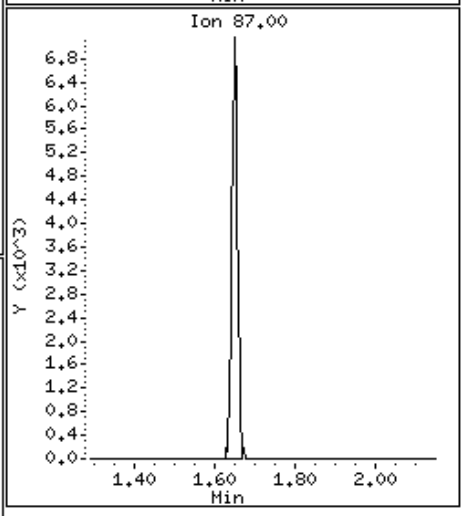
1 dichlorodifluoromethane

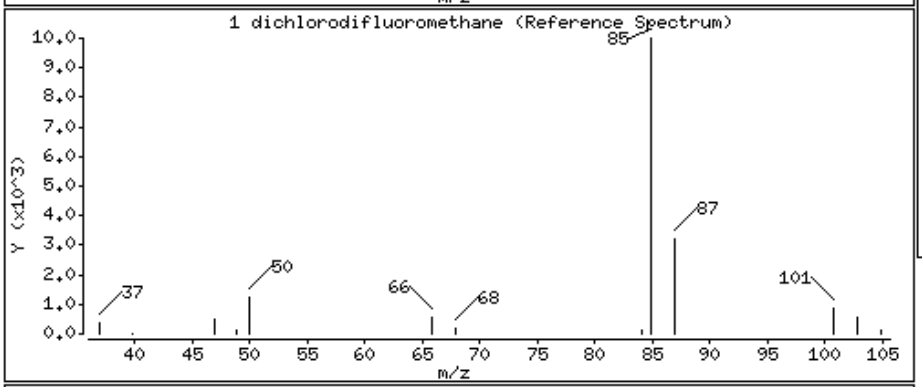
Concentration: 11.871 ngs

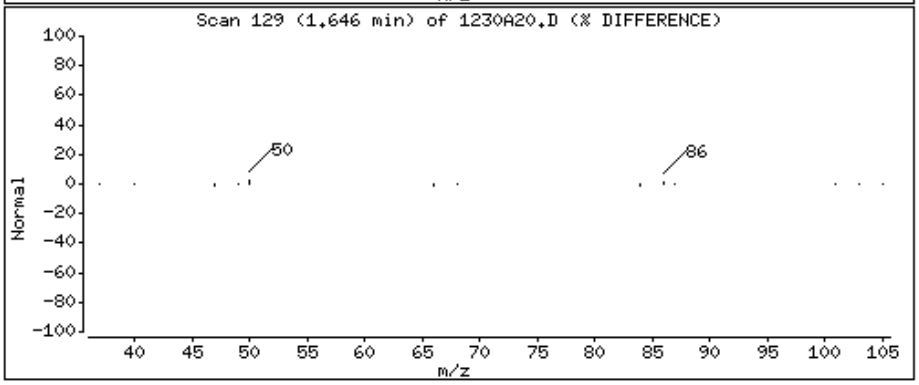












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Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

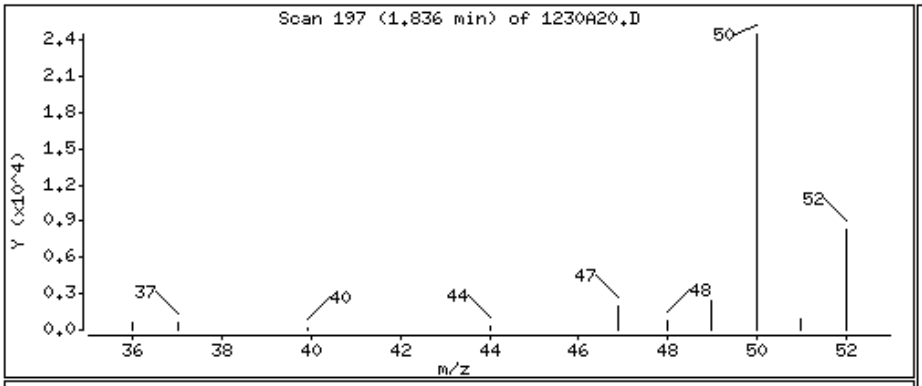
Operator: PK

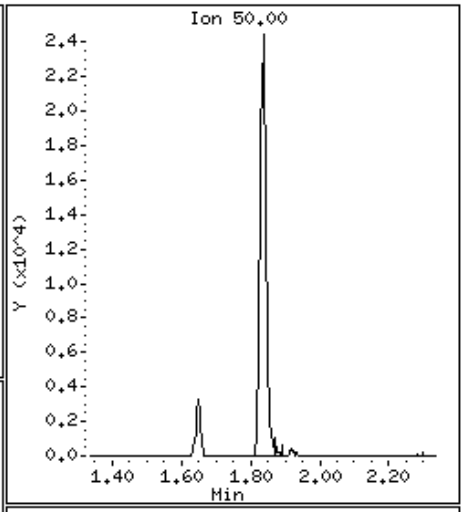
Column phase:

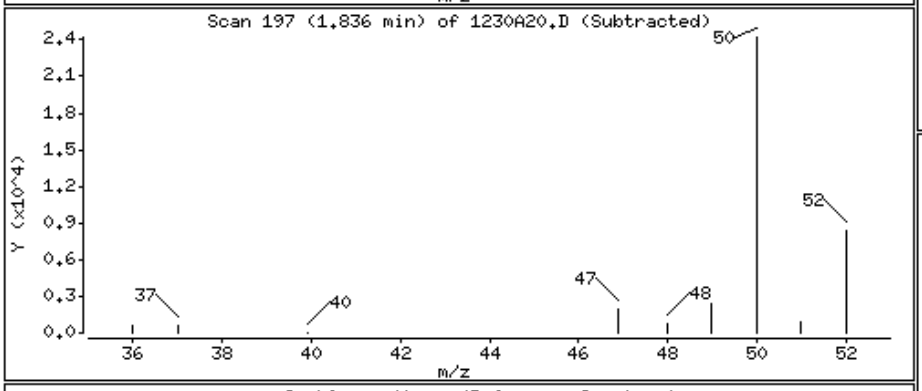
Column diameter: 0.18

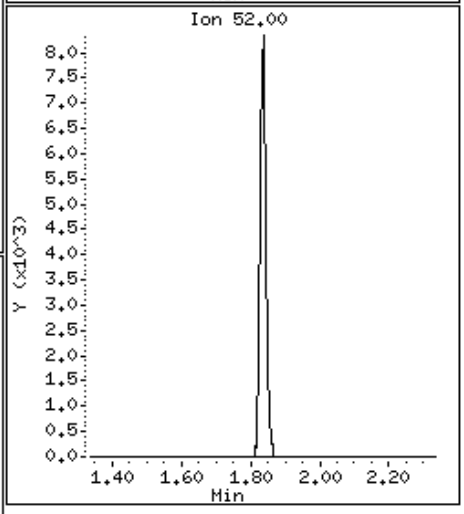
2 chloromethane

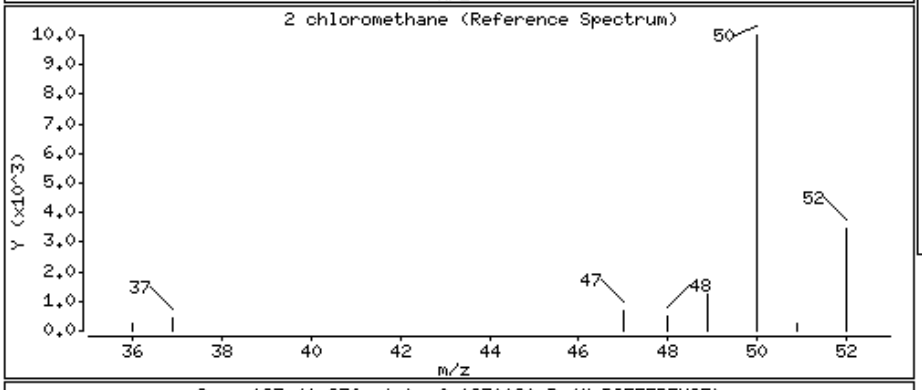
Concentration: 14.548 ngs

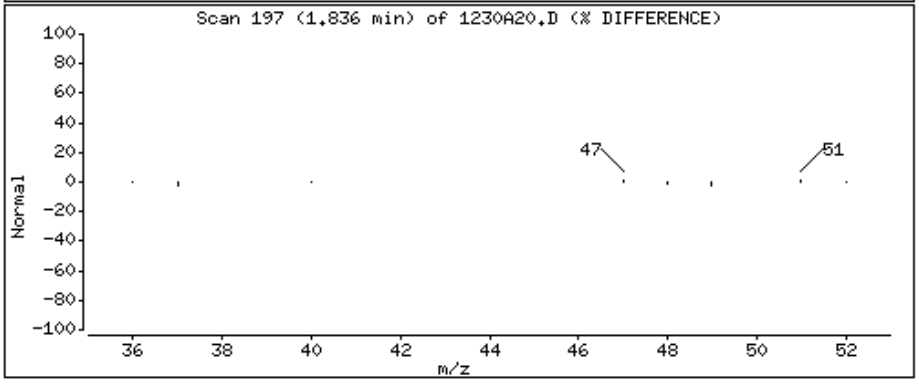












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

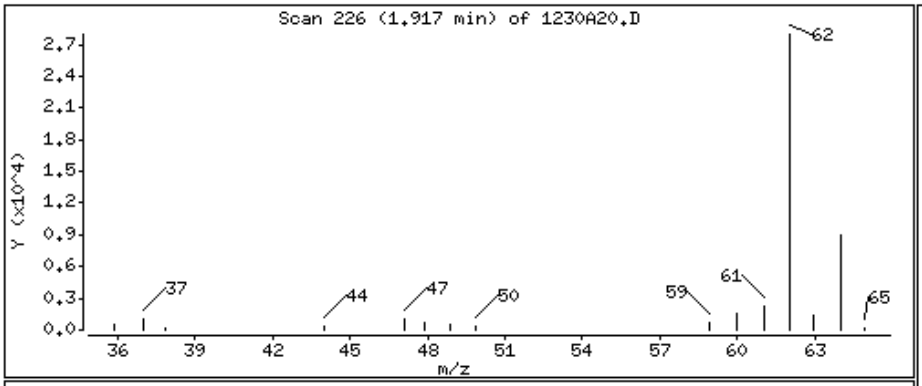
Operator: PK

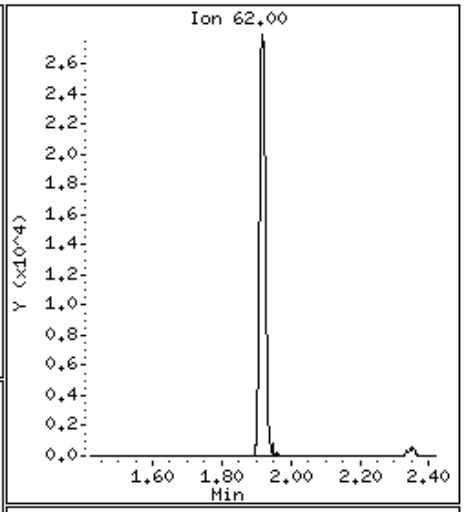
Column phase:

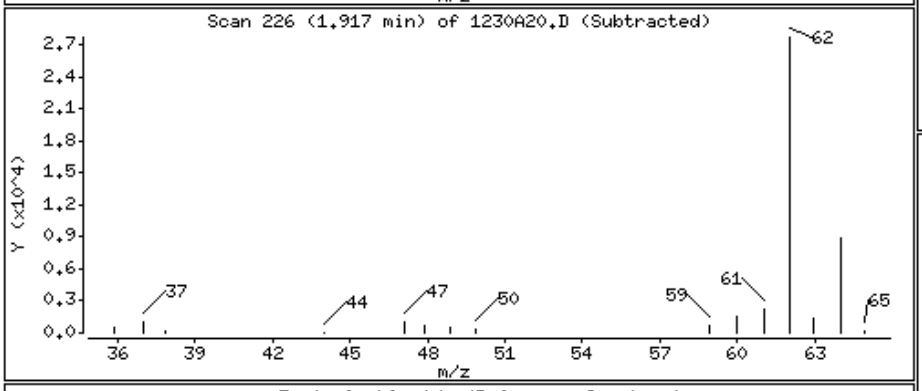
Column diameter: 0.18

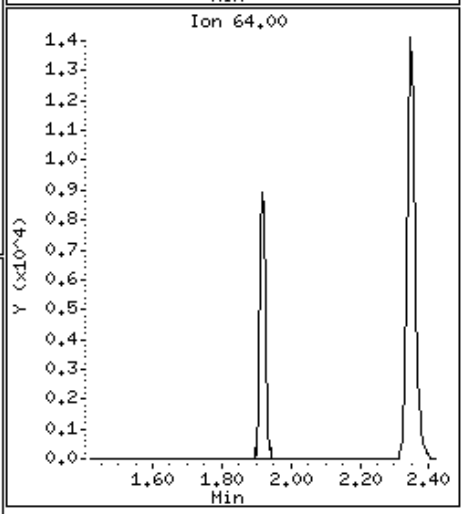
3 vinyl chloride

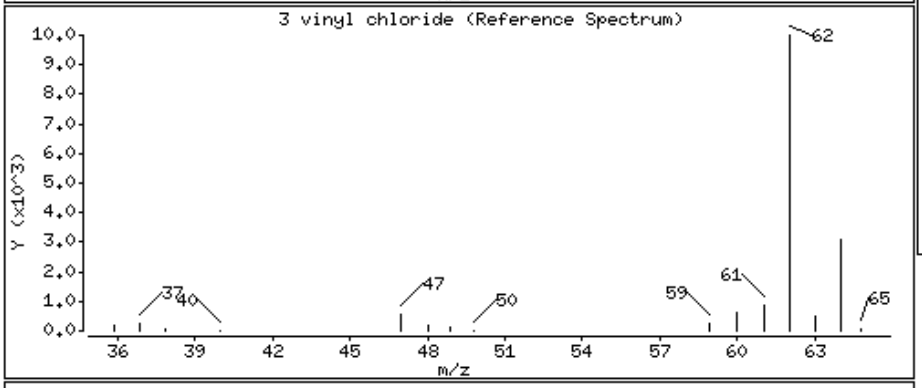
Concentration: 12.287 ngs

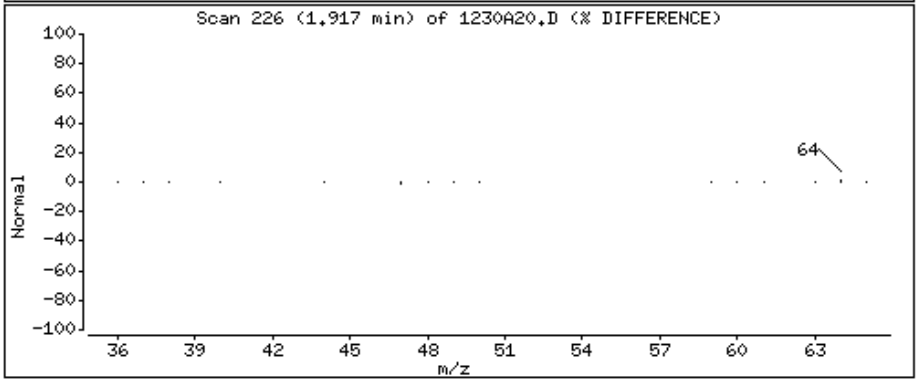












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

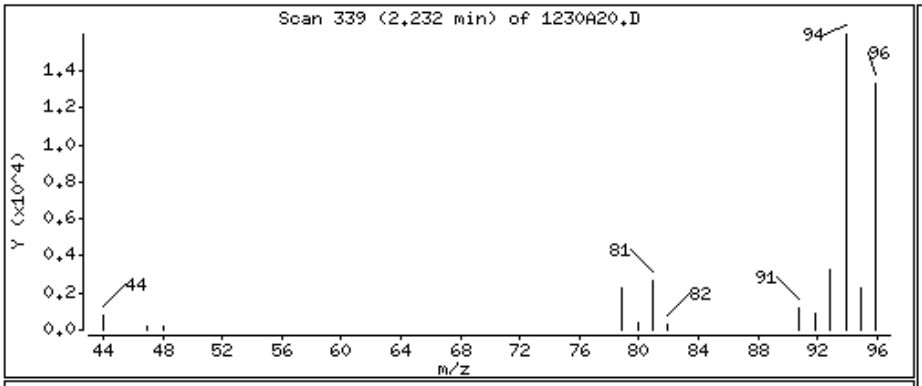
Operator: PK

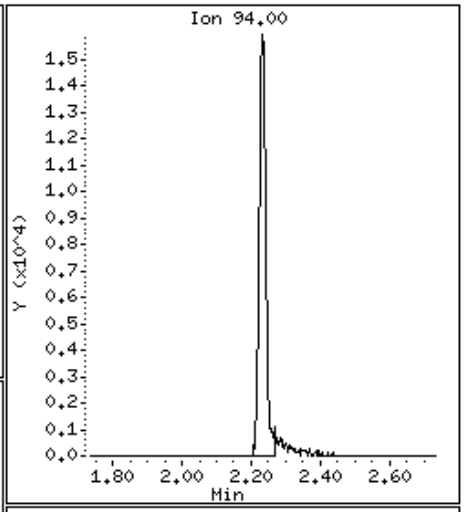
Column phase:

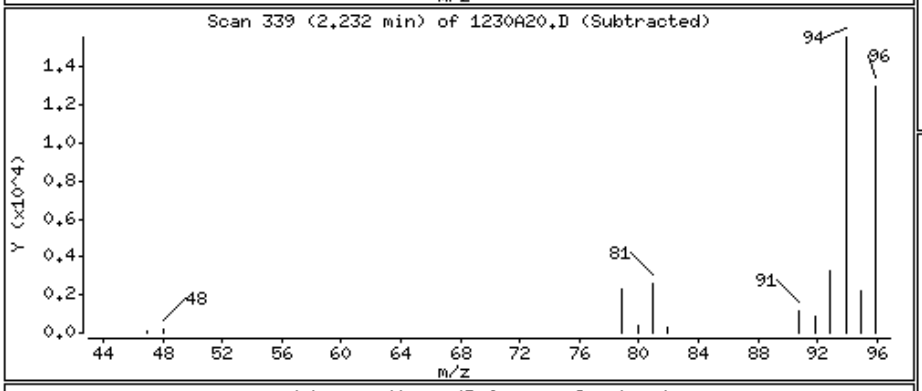
Column diameter: 0.18

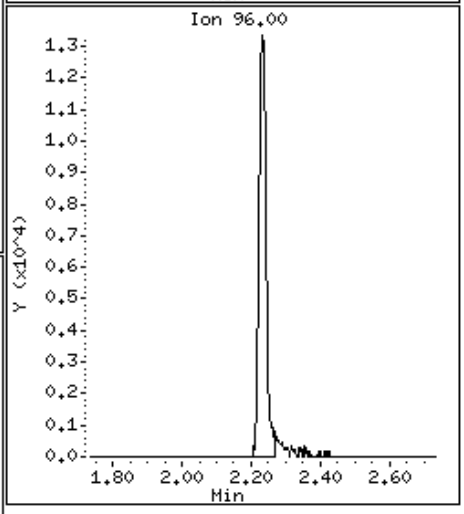
4 bromomethane

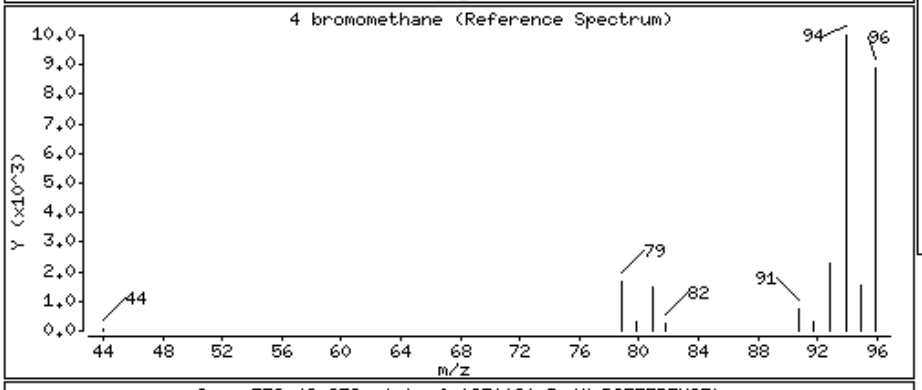
Concentration: 11.470 ngs

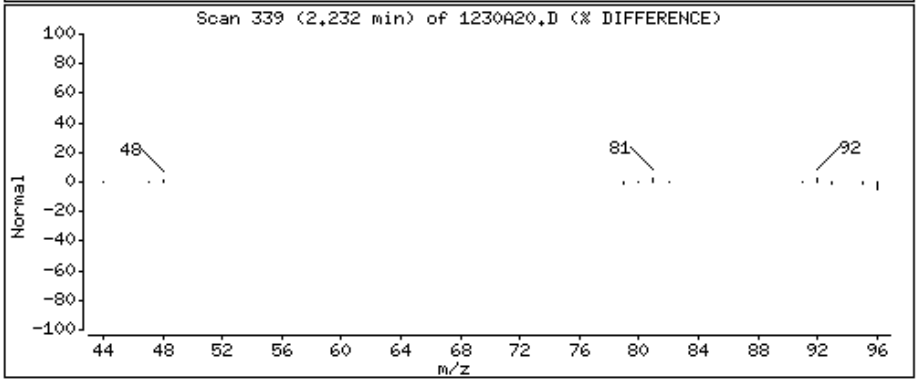












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

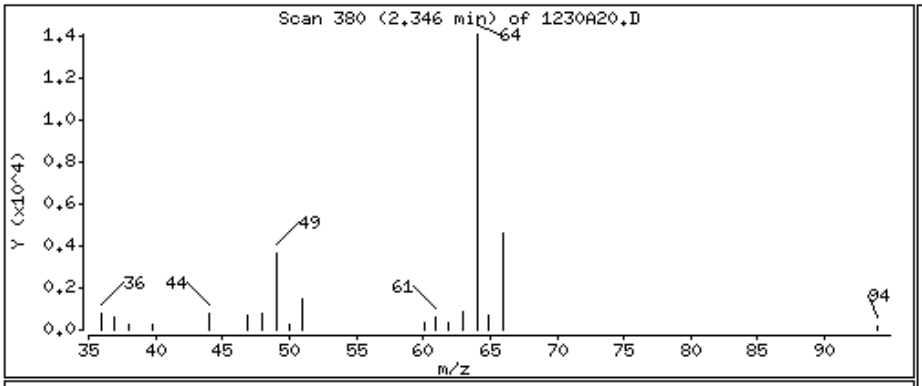
Operator: PK

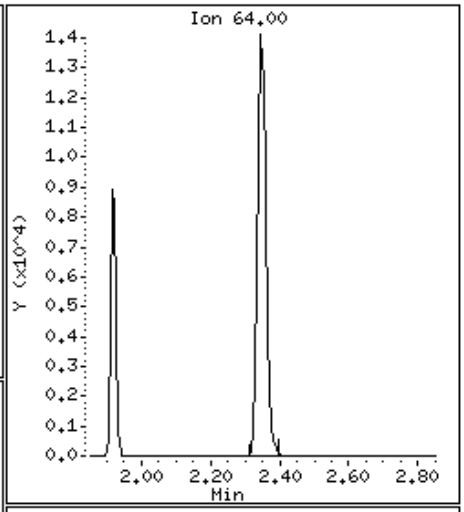
Column phase:

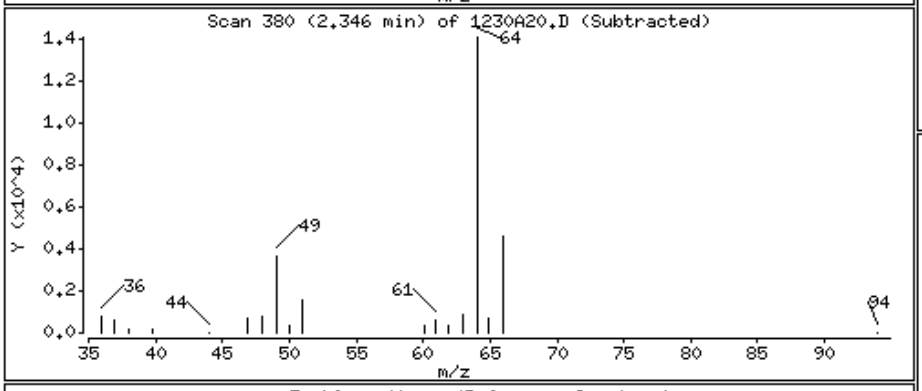
Column diameter: 0.18

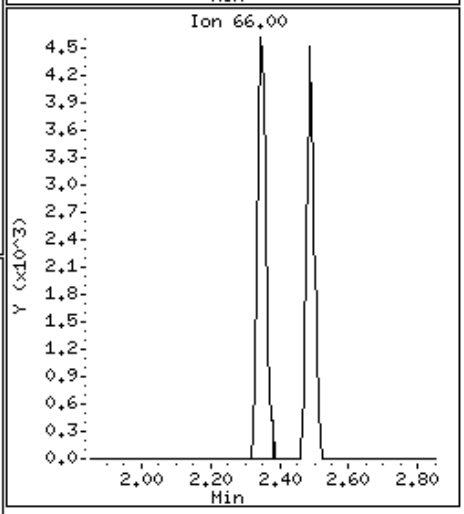
5 chloroethane

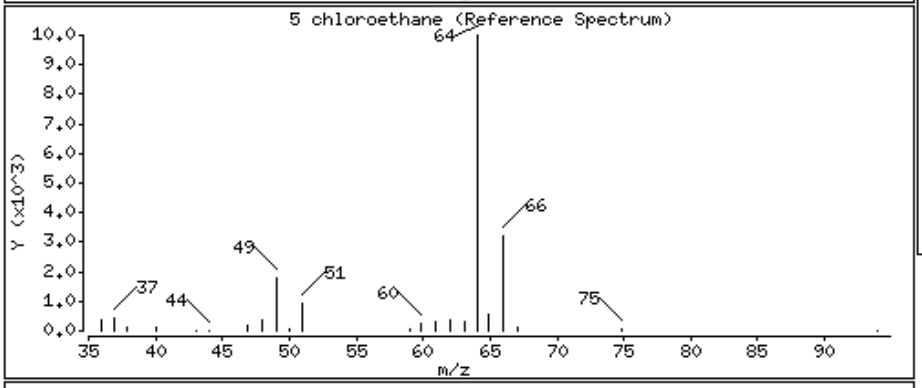
Concentration: 9.010 ngs

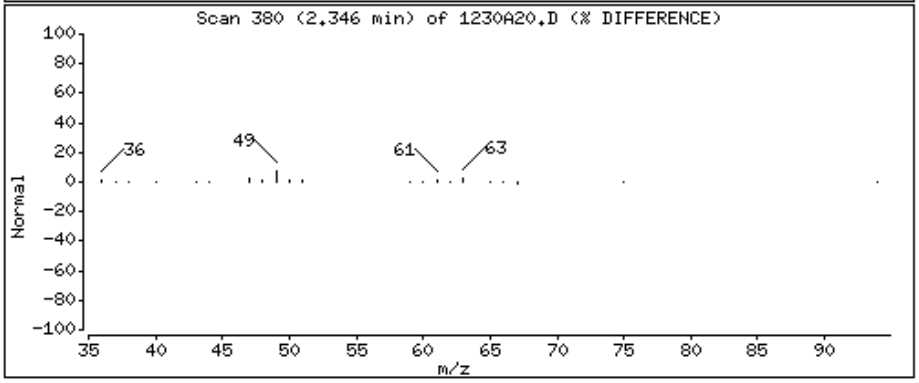












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

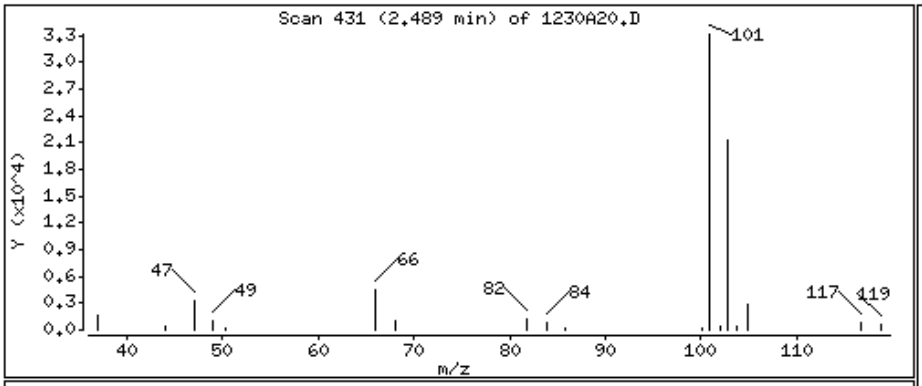
Operator: PK

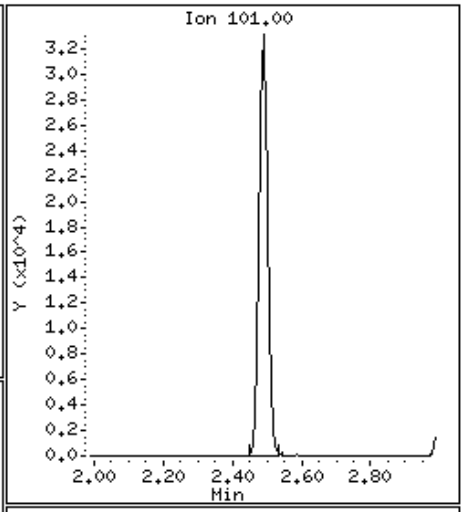
Column phase:

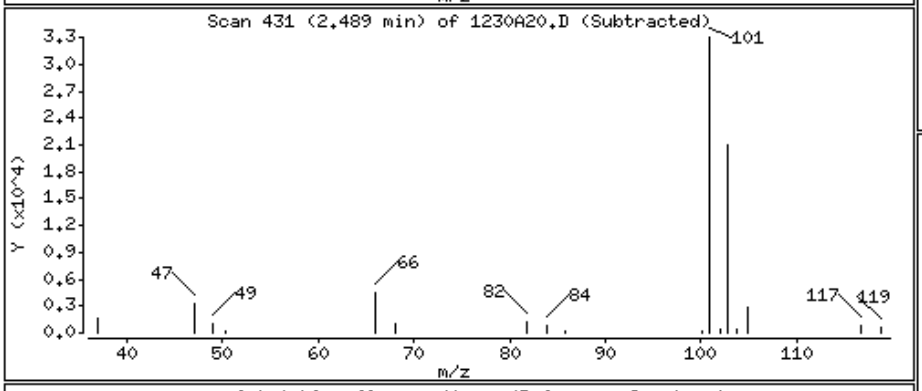
Column diameter: 0.18

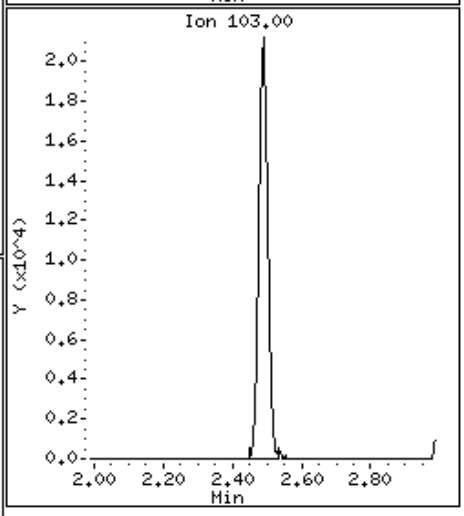
6 trichlorofluoromethane

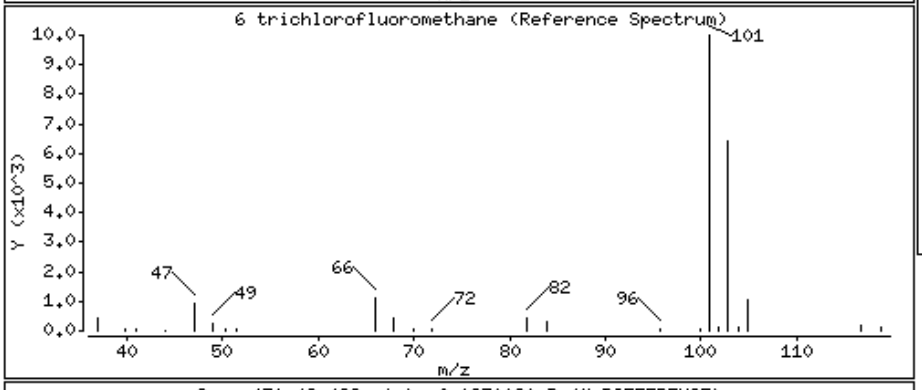
Concentration: 9.324 ngs

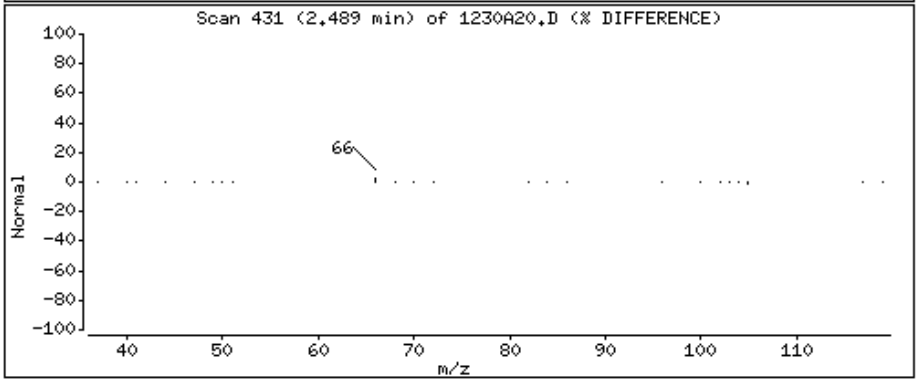












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

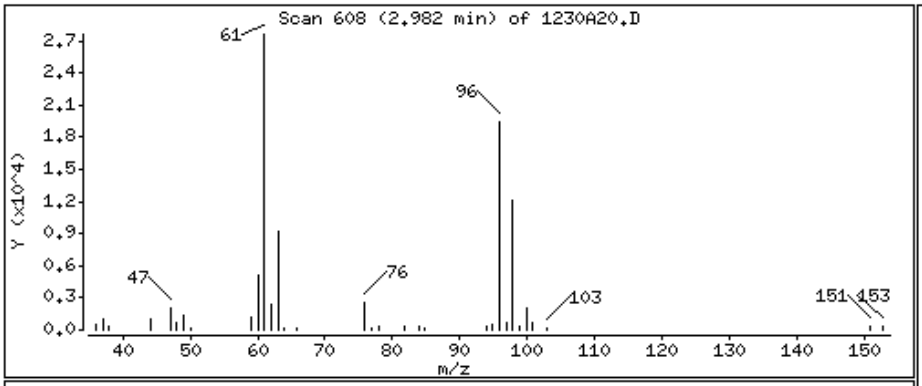
Operator: PK

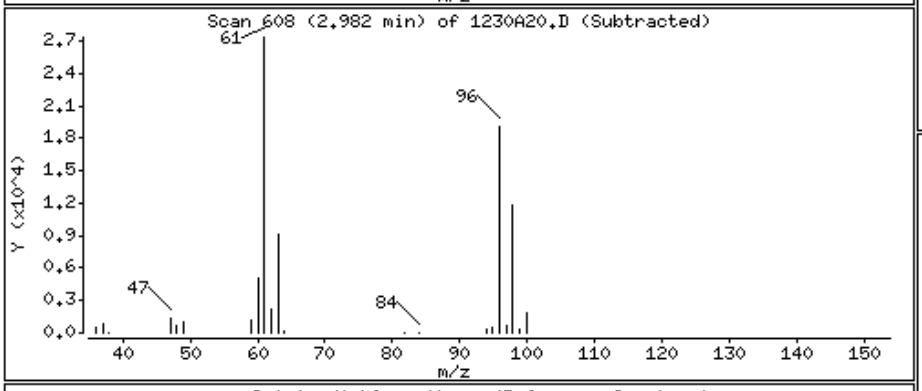
Column phase:

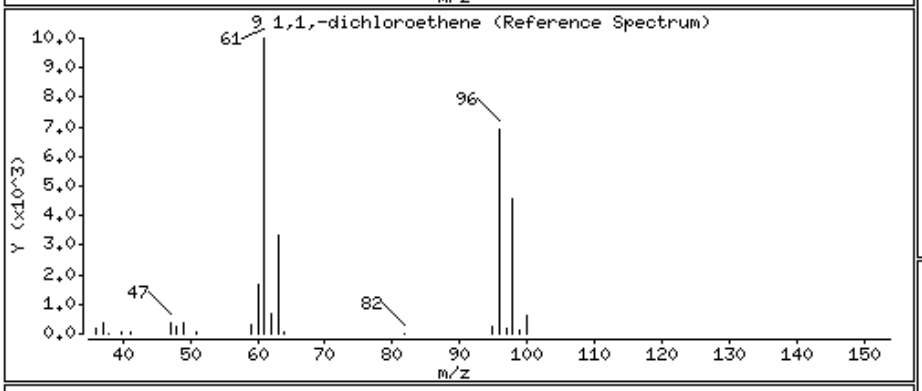
Column diameter: 0.18

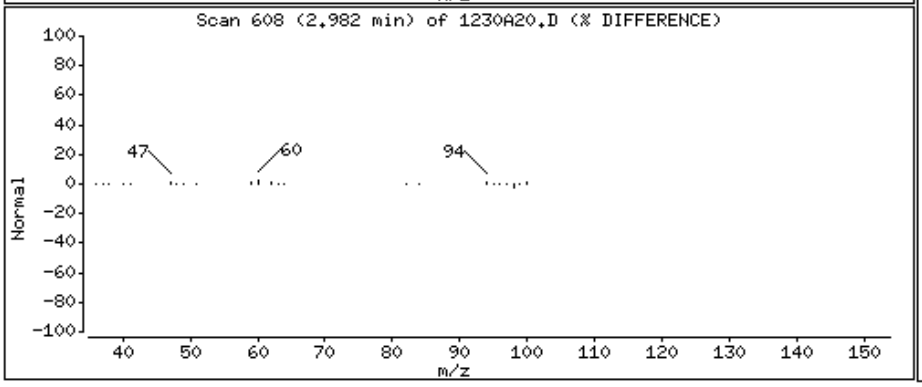
9 1,1,-dichloroethene

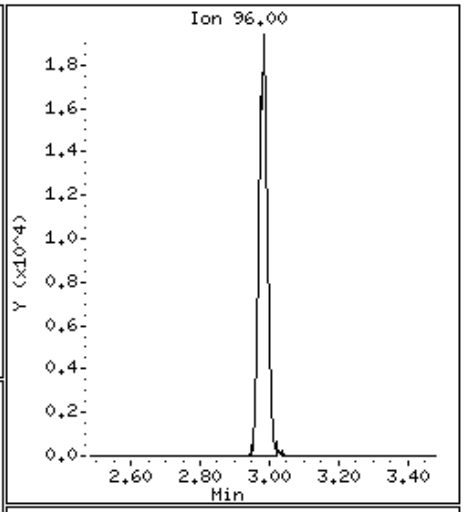
Concentration: 9.399 ngs

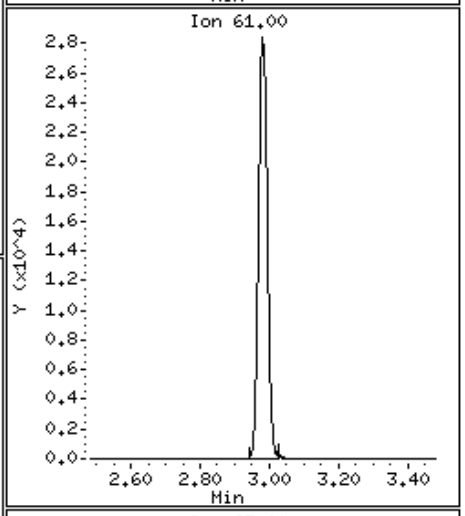


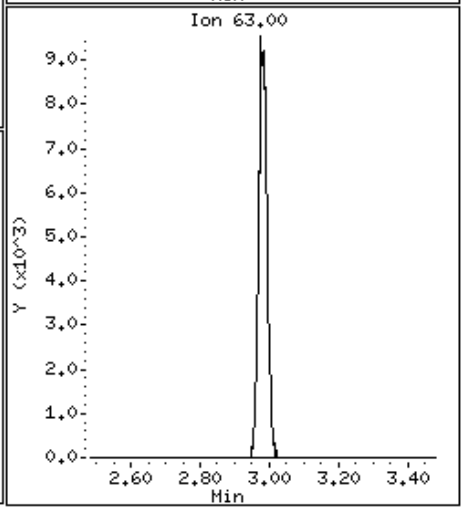












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

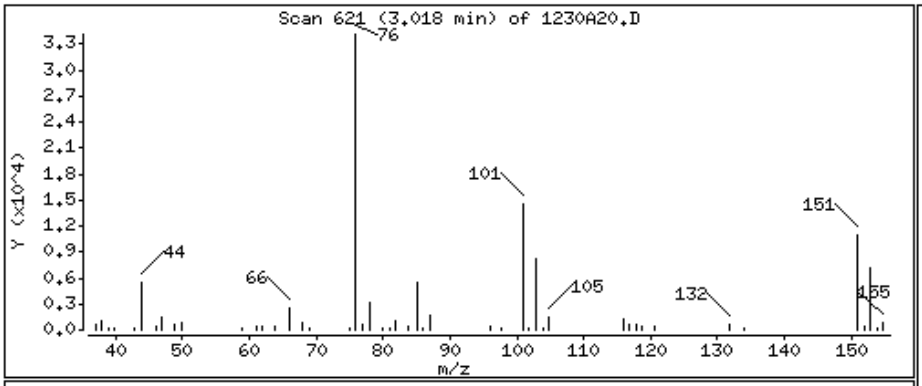
Operator: PK

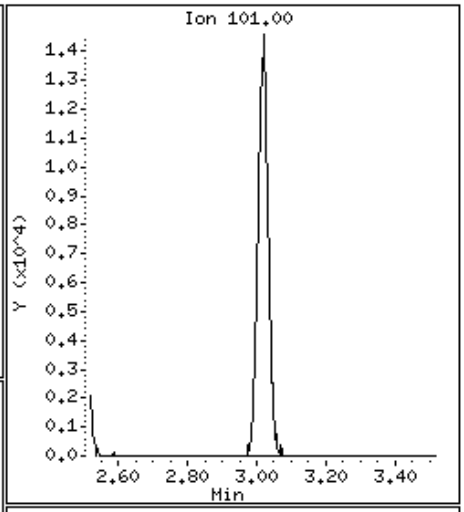
Column phase:

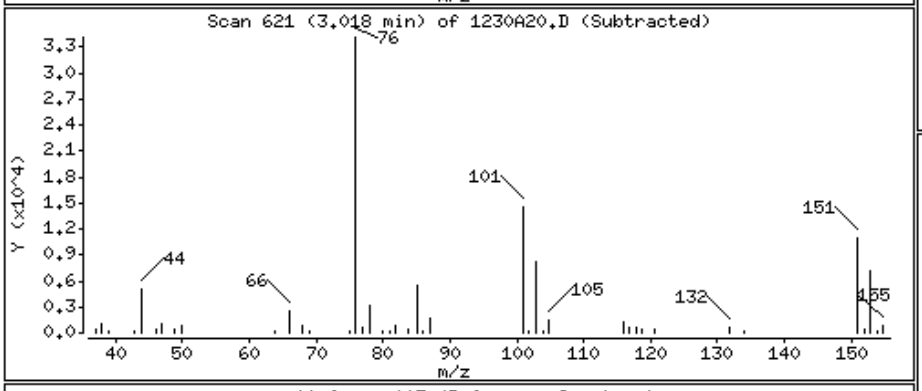
Column diameter: 0.18

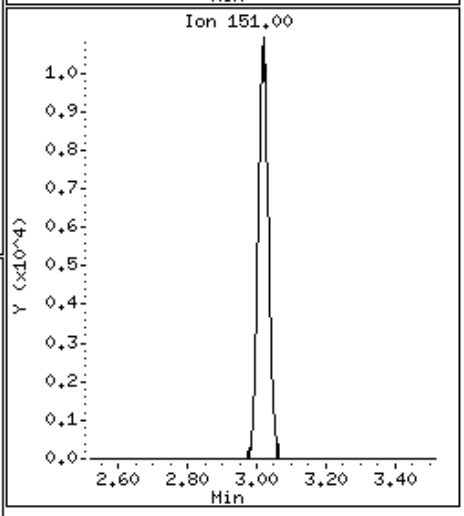
11 freon-113

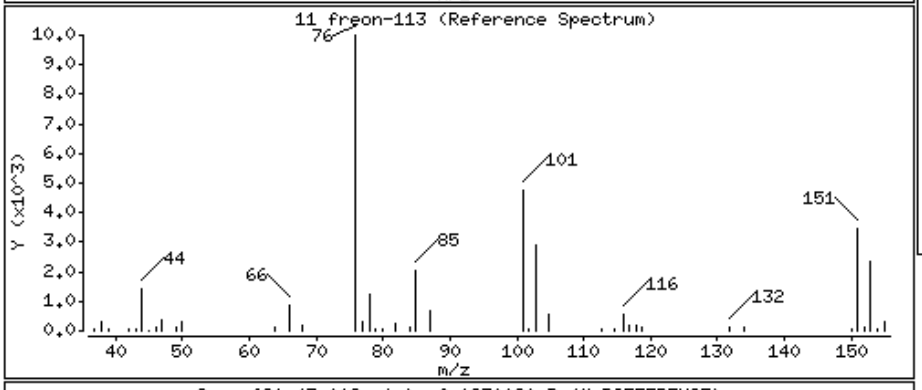
Concentration: 8.487 ngs

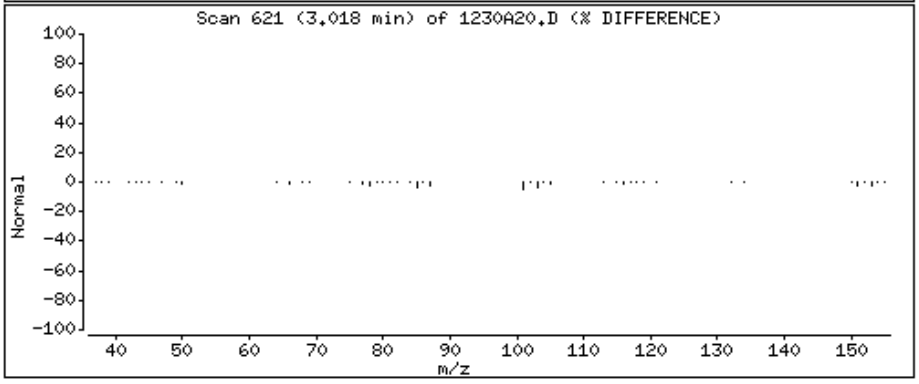












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

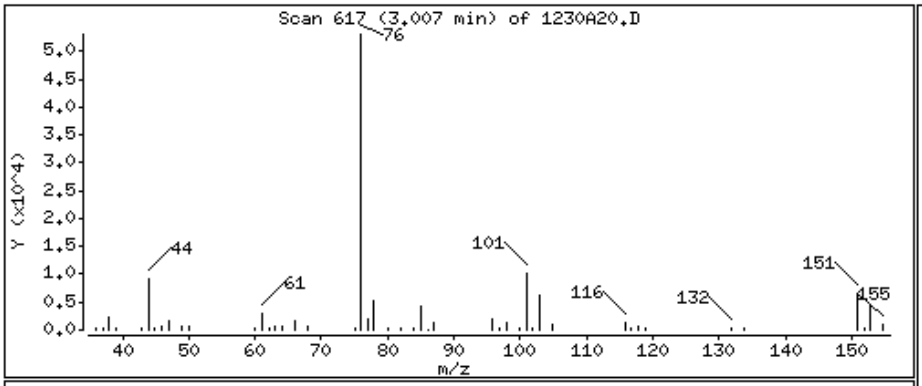
Operator: PK

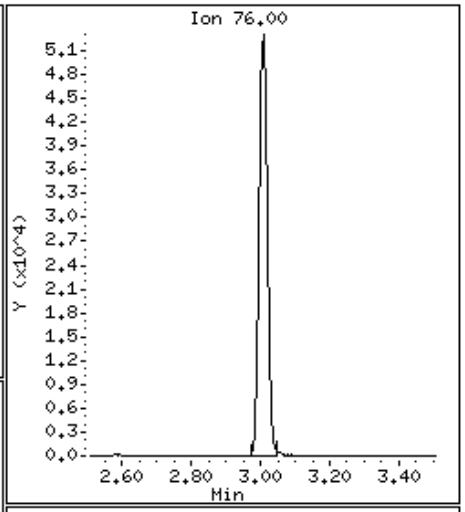
Column phase:

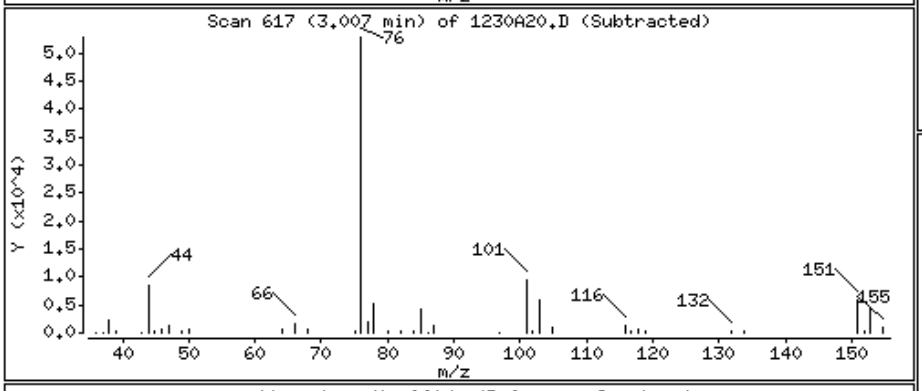
Column diameter: 0.18

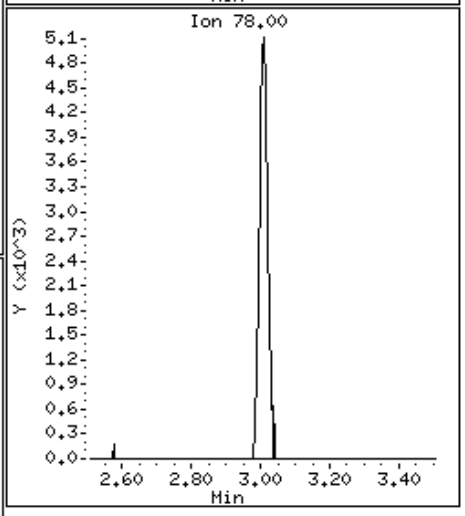
10 carbon disulfide

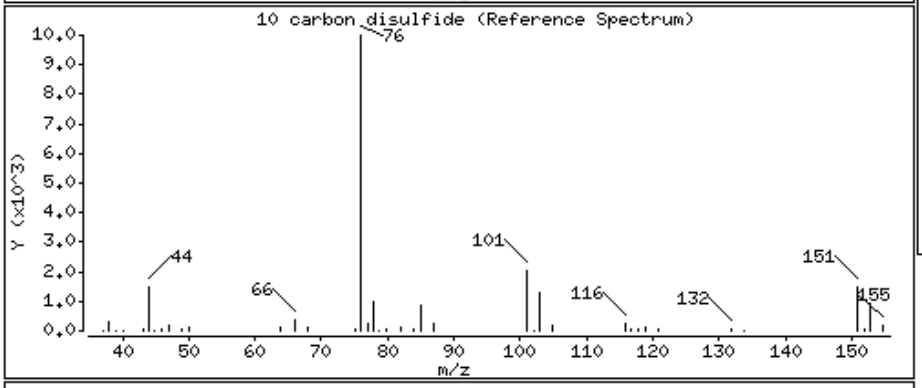
Concentration: 8.573 ngs

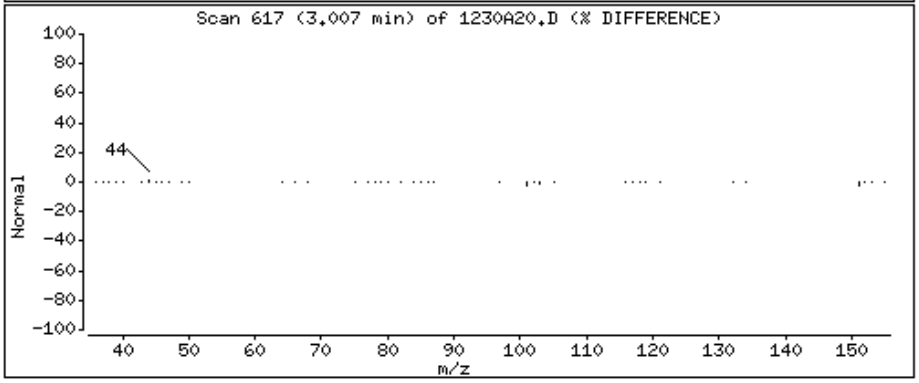












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

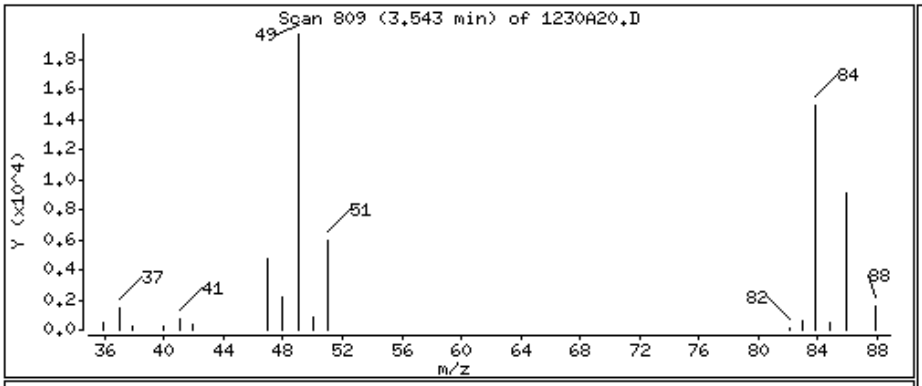
Operator: PK

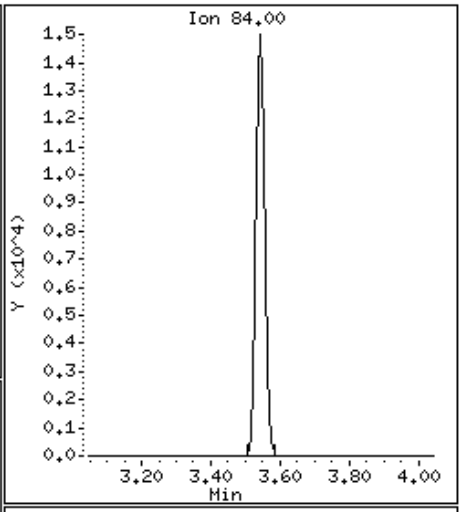
Column phase:

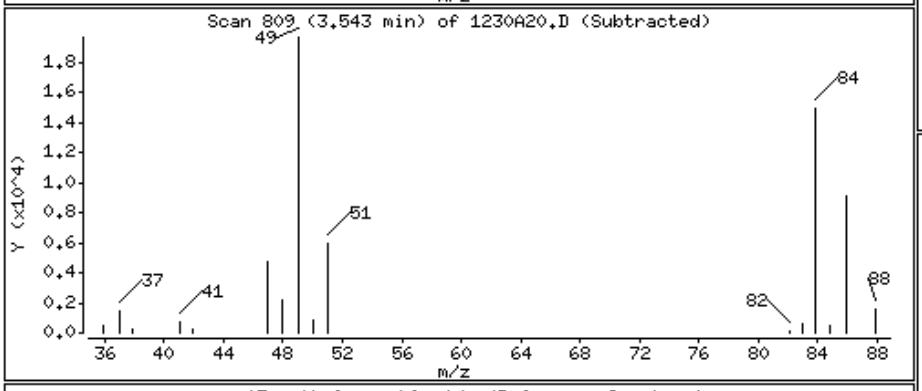
Column diameter: 0.18

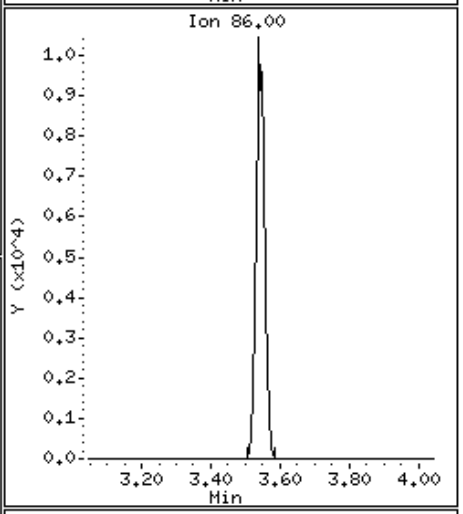
15 methylene chloride

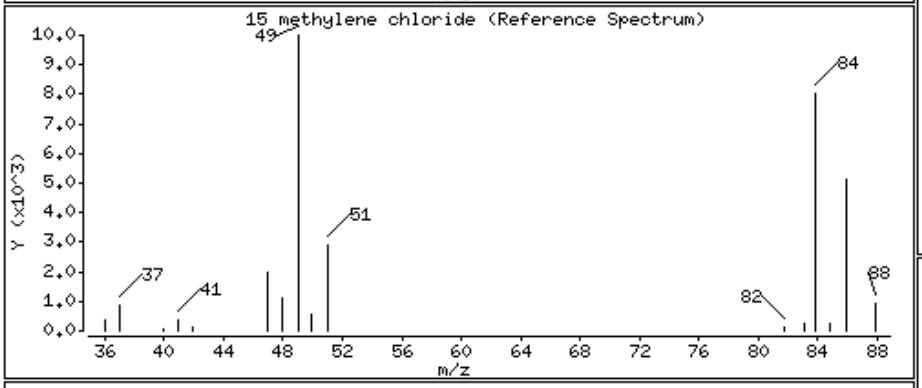
Concentration: 12.324 ngs

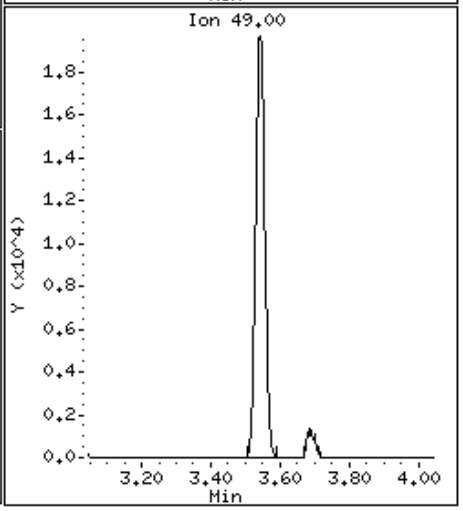


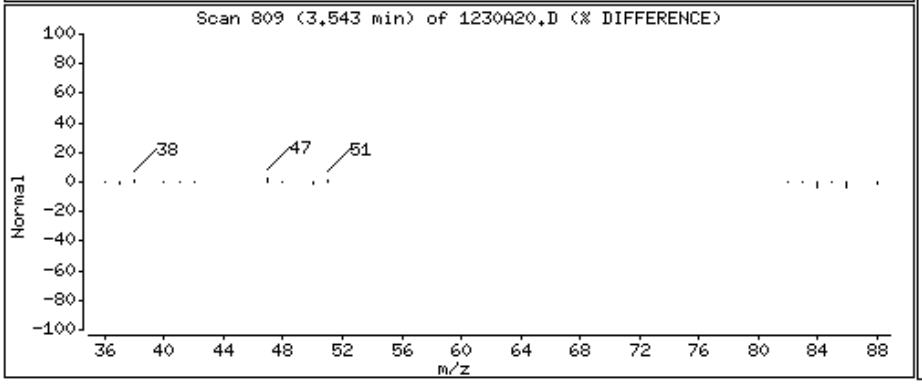












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

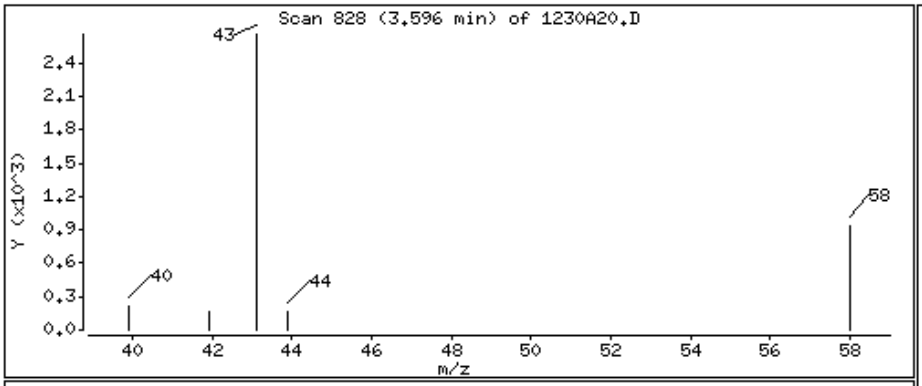
Operator: PK

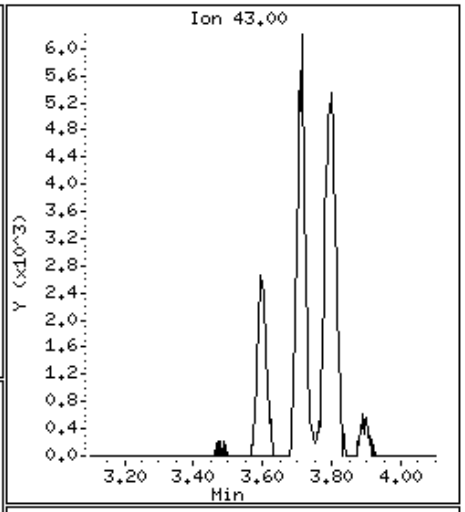
Column phase:

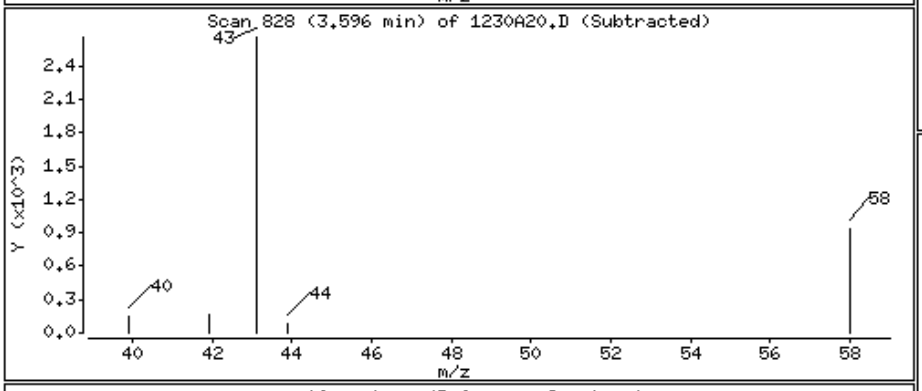
Column diameter: 0.18

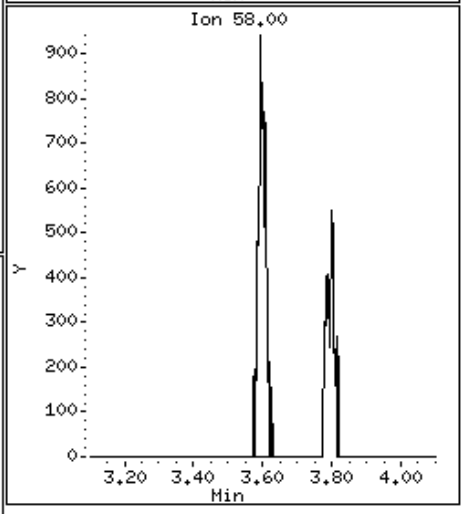
16 acetone

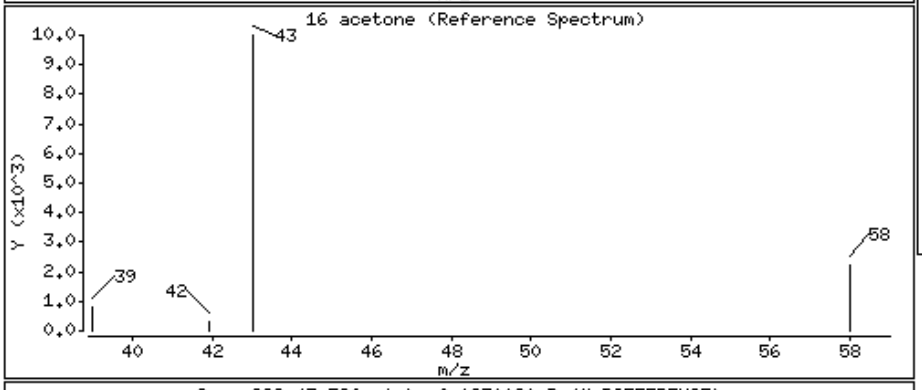
Concentration: 10.627 ngs

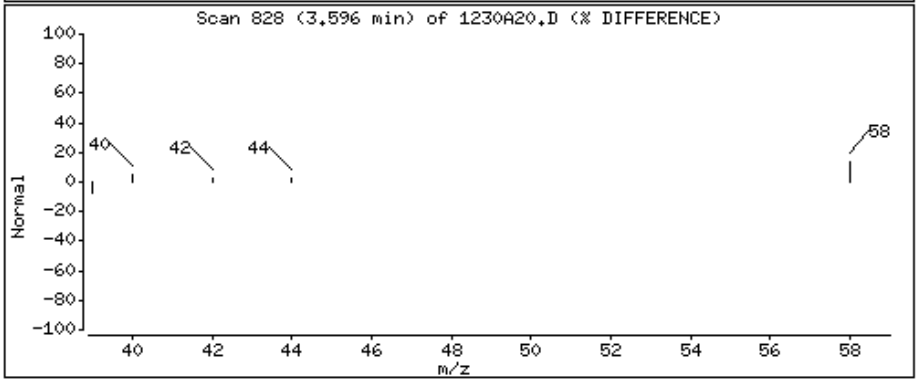












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

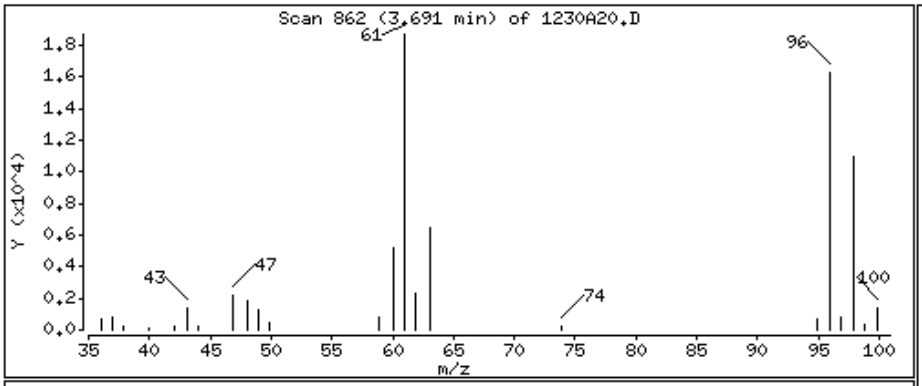
Operator: PK

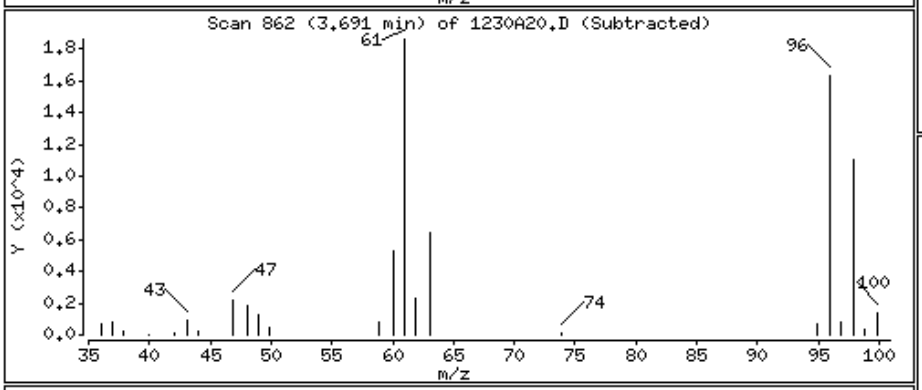
Column phase:

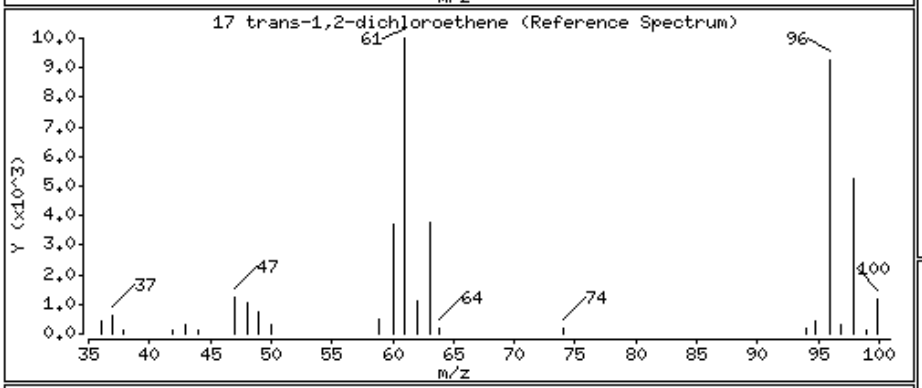
Column diameter: 0.18

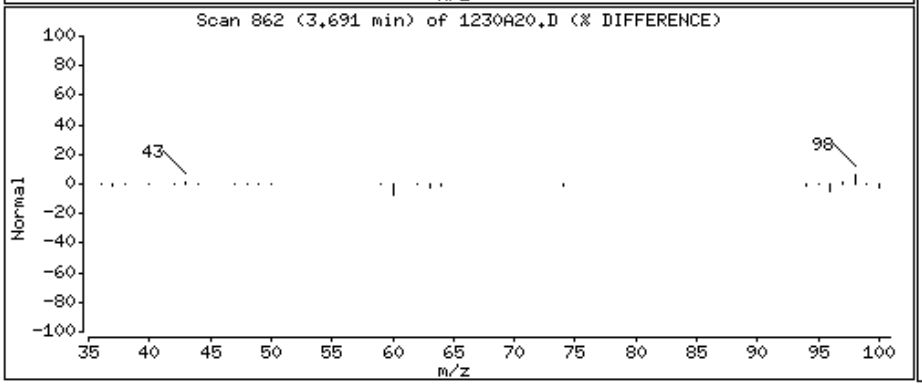
17 trans-1,2-dichloroethene

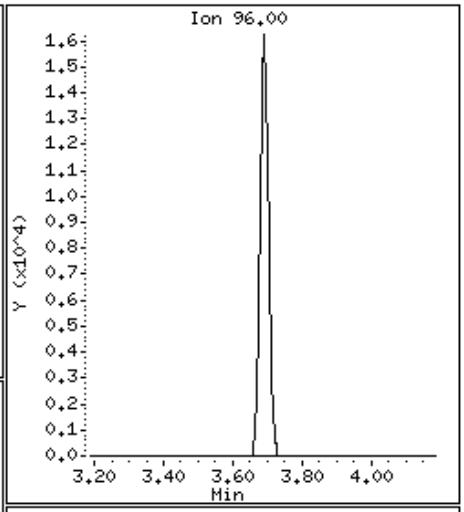
Concentration: 12.787 ngs

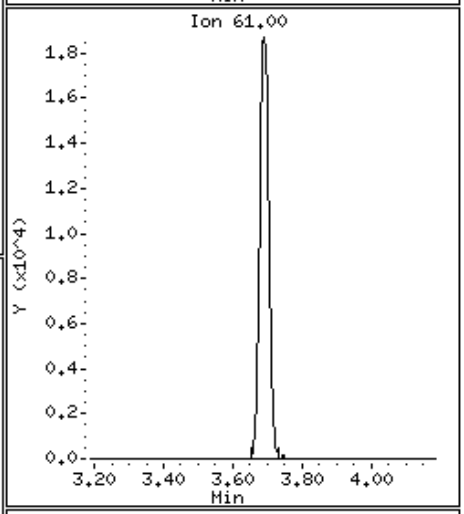


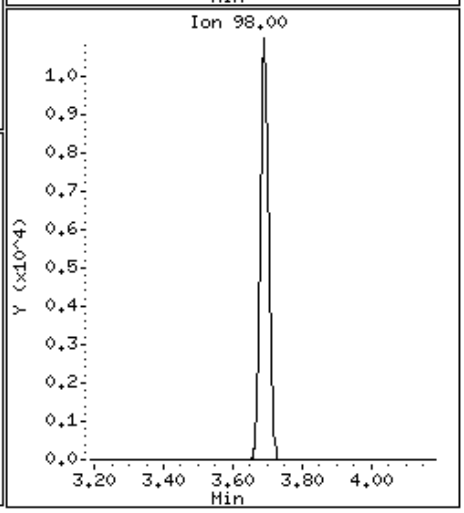












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

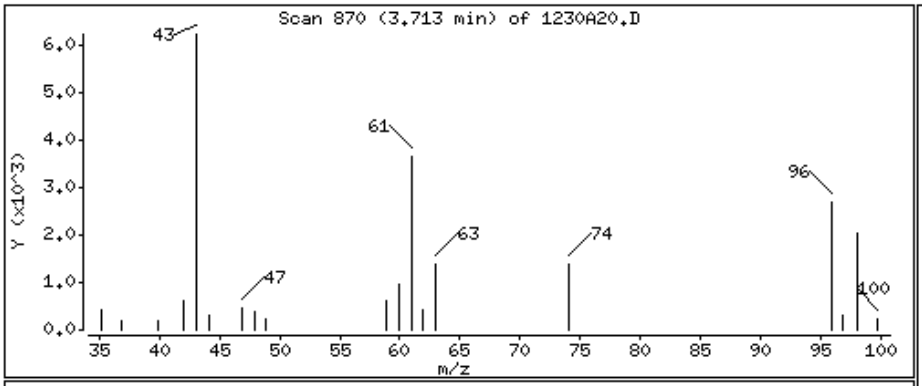
Operator: PK

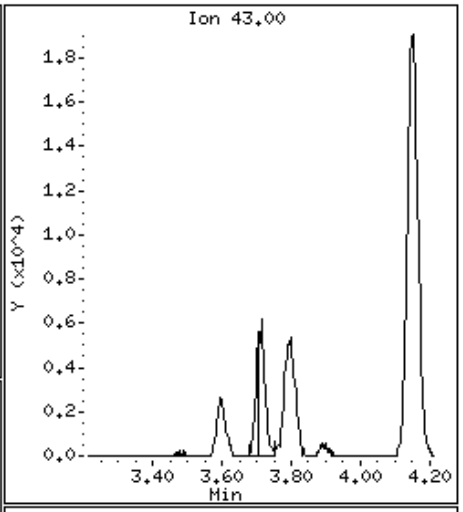
Column phase:

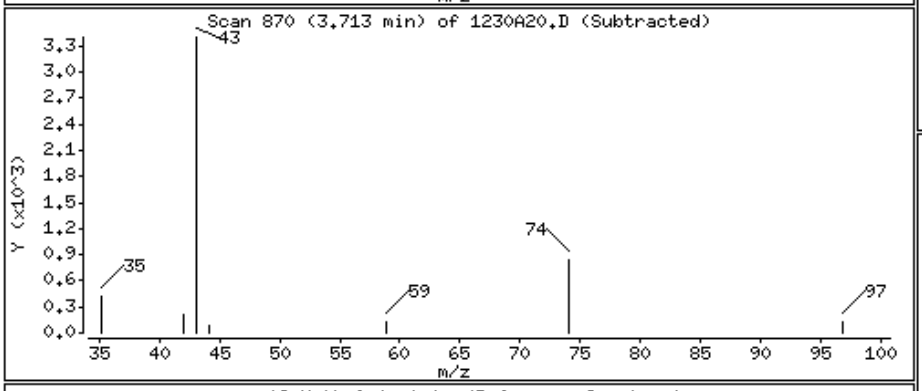
Column diameter: 0.18

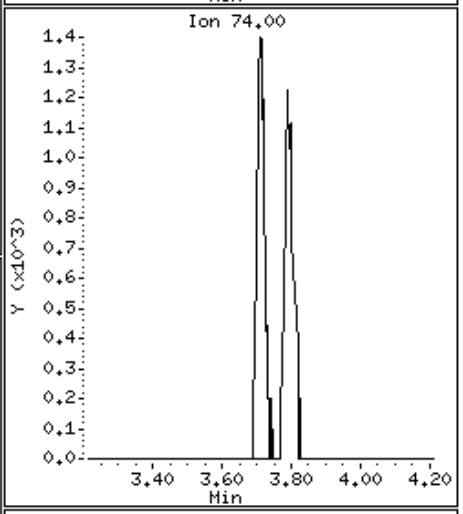
18 Methyl Acetate

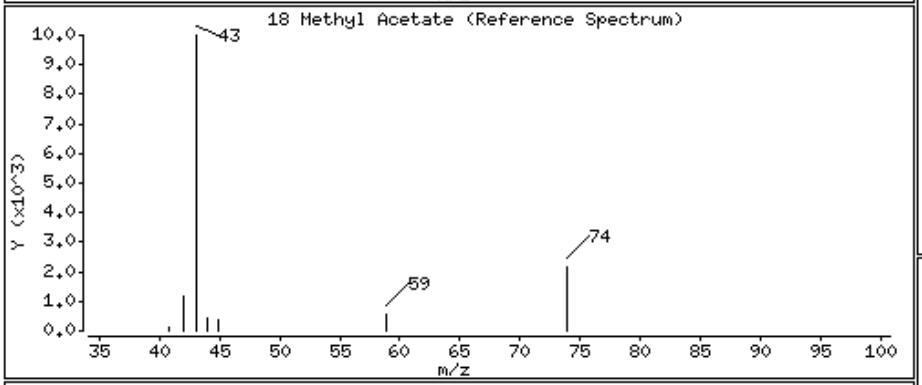
Concentration: 7.831 ngs

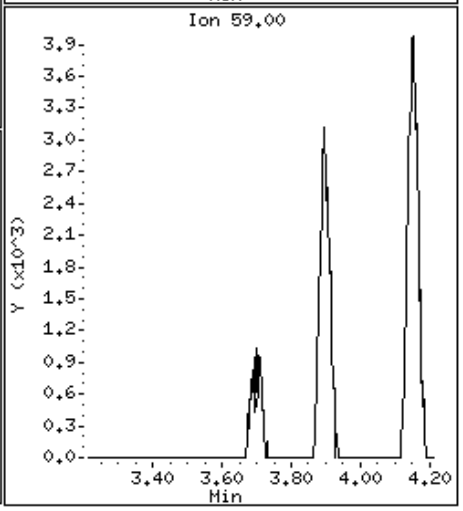


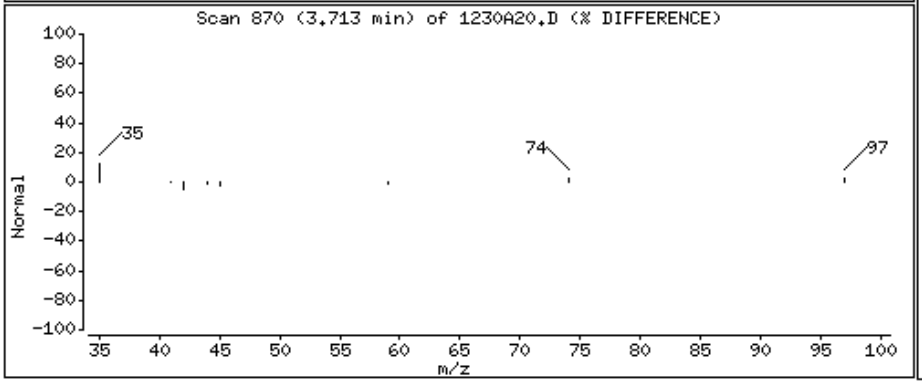












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

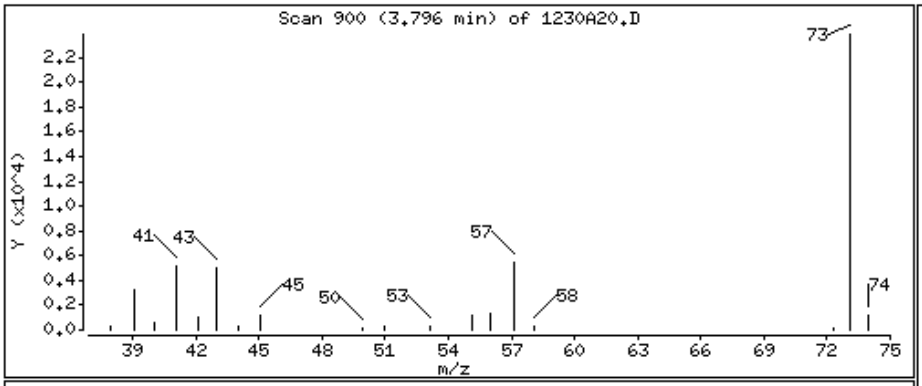
Operator: PK

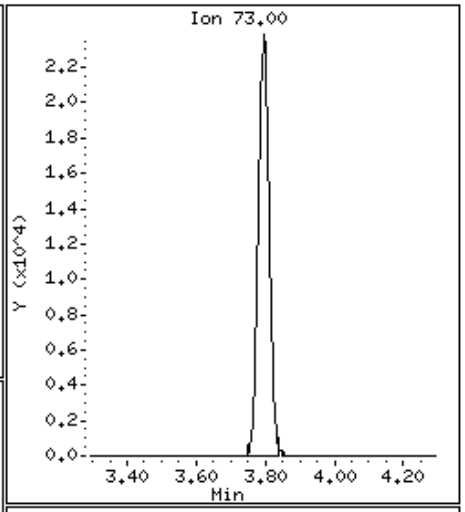
Column phase:

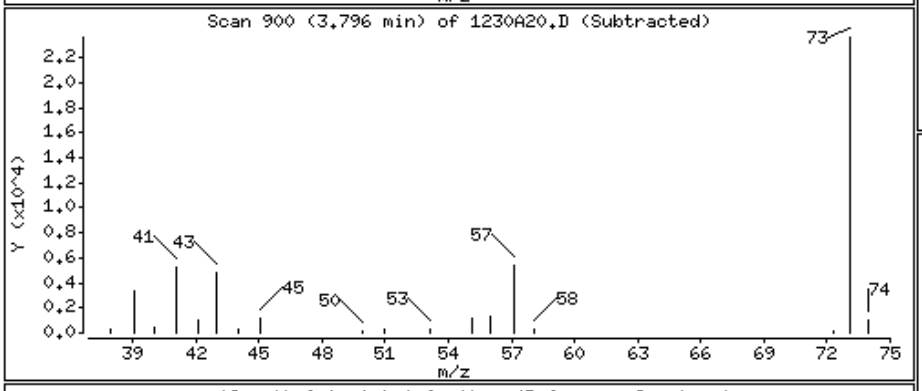
Column diameter: 0.18

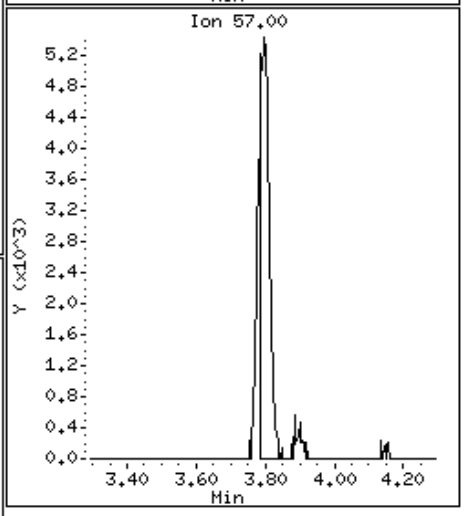
19 methyl tert butyl ether

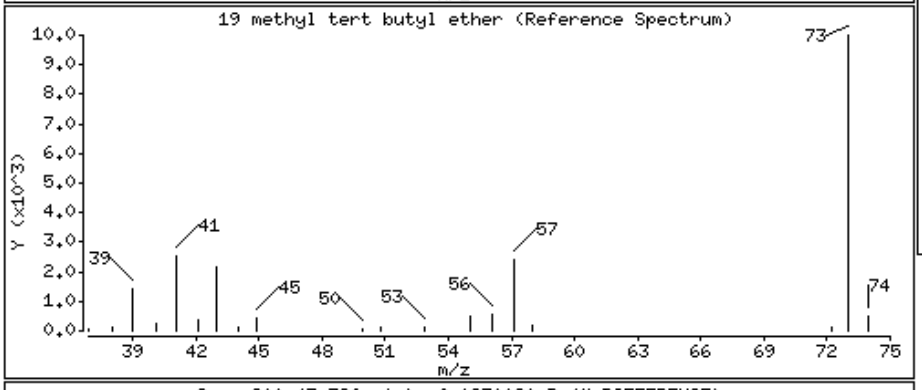
Concentration: 10.942 ngs

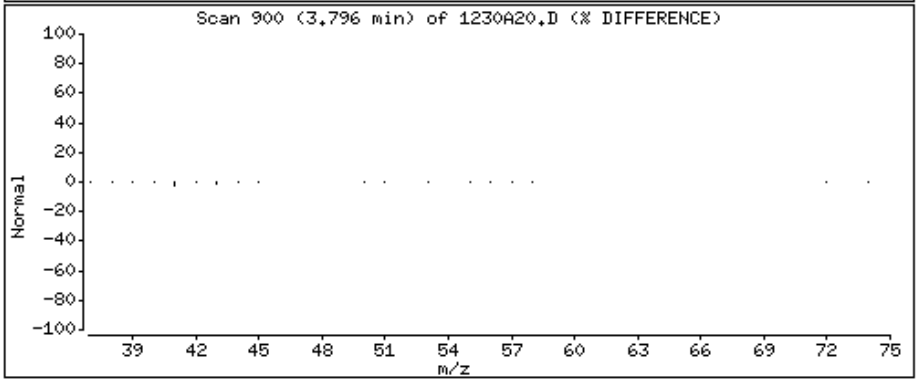












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

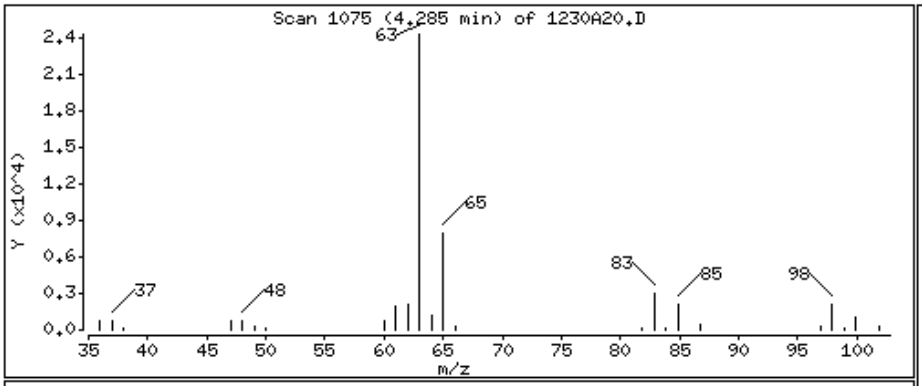
Operator: PK

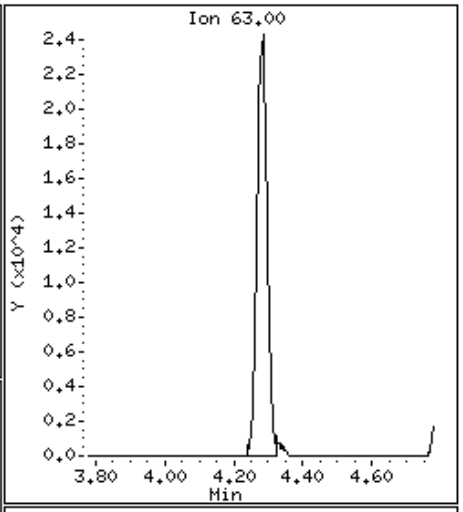
Column phase:

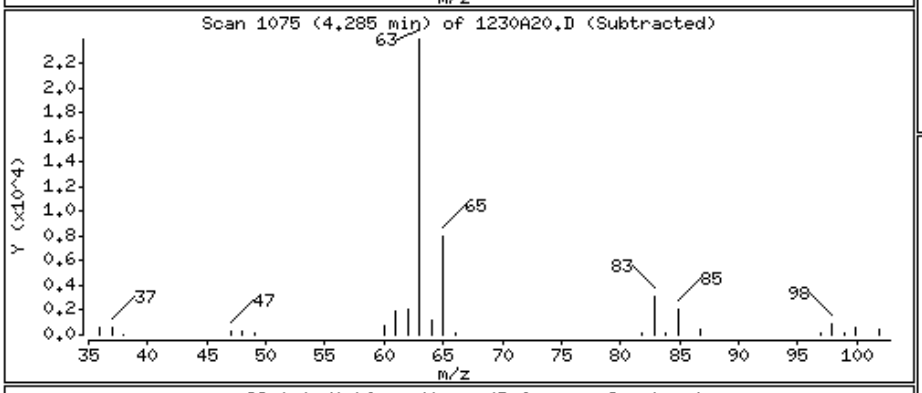
Column diameter: 0.18

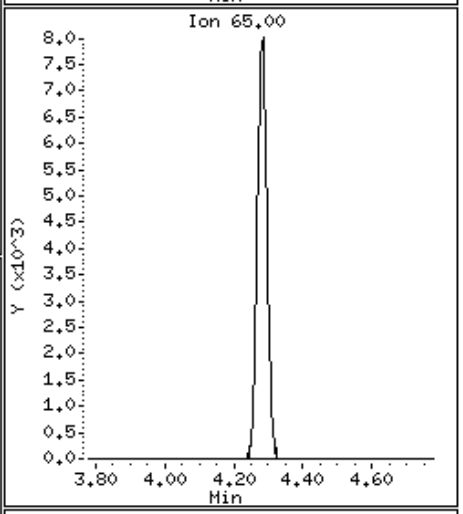
22 1,1-dichloroethane

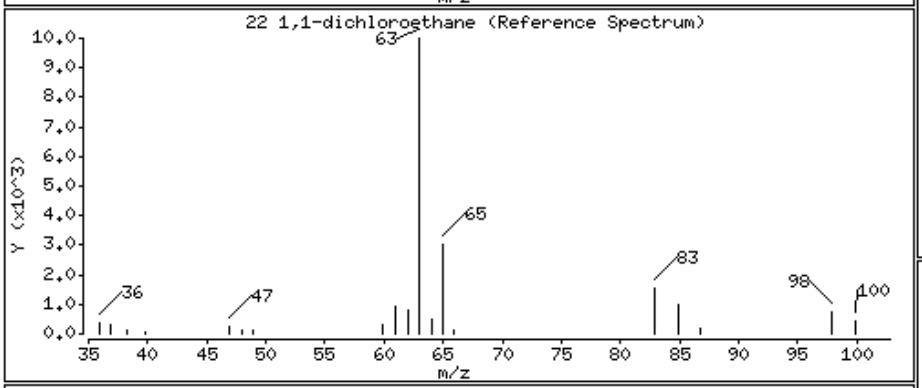
Concentration: 13.030 ngs

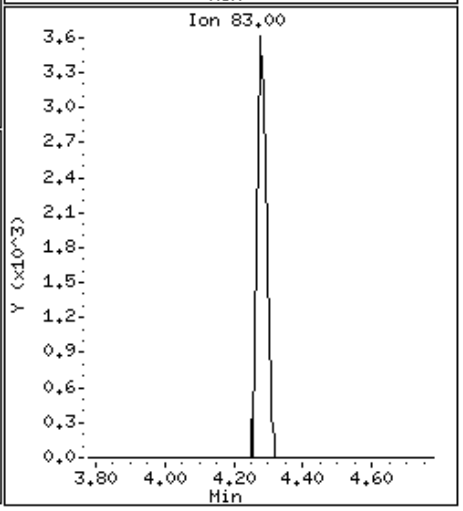


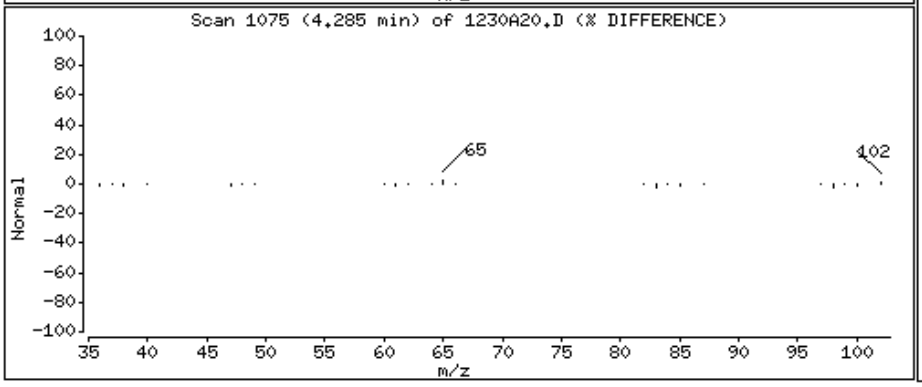












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

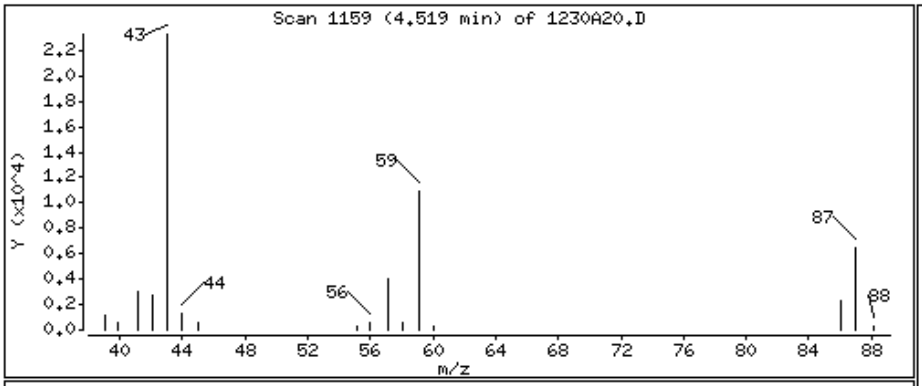
Operator: PK

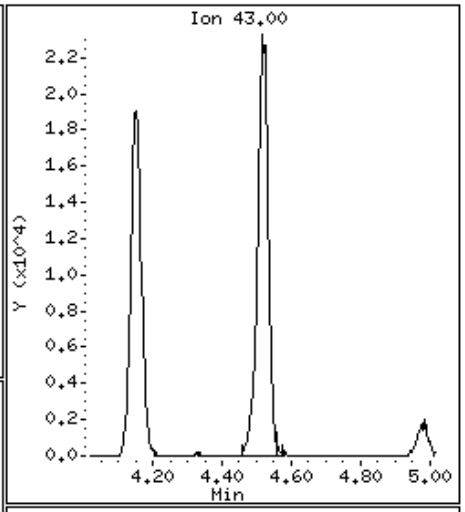
Column phase:

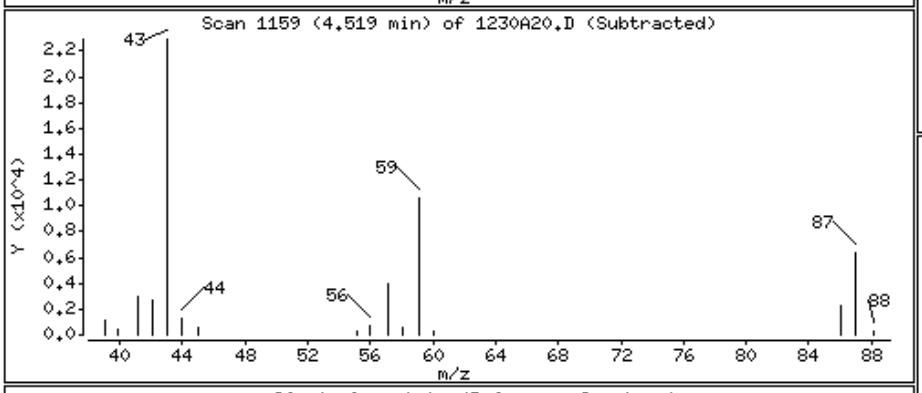
Column diameter: 0.18

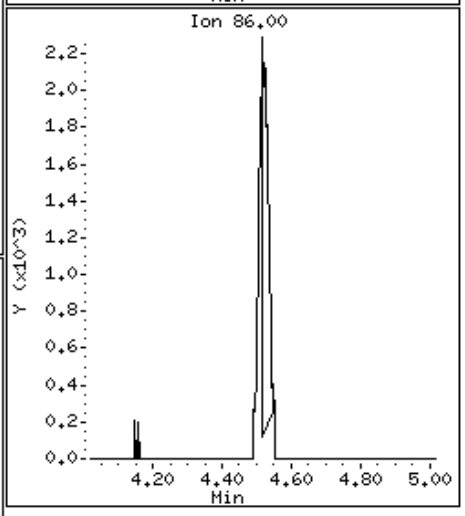
26 vinyl acetate

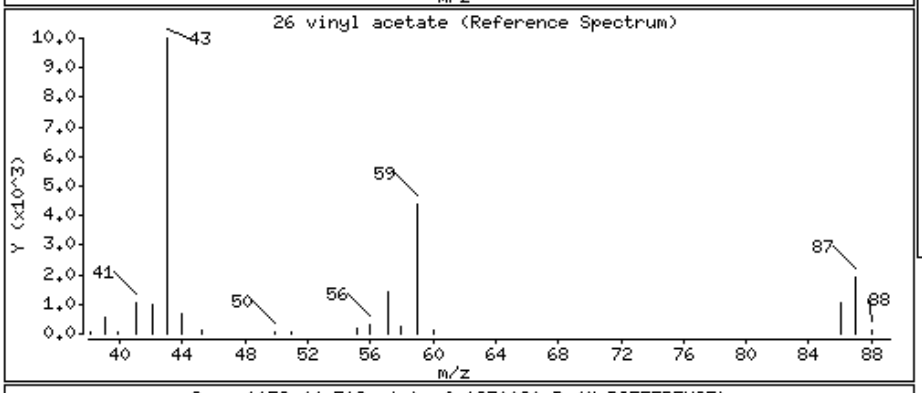
Concentration: 11.045 ngs

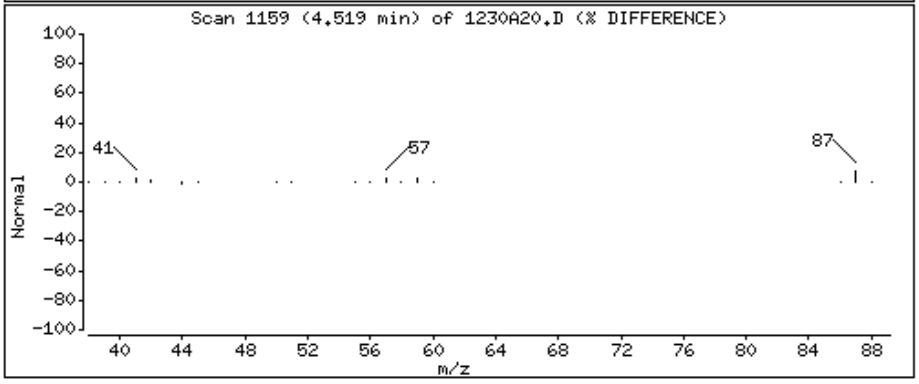












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

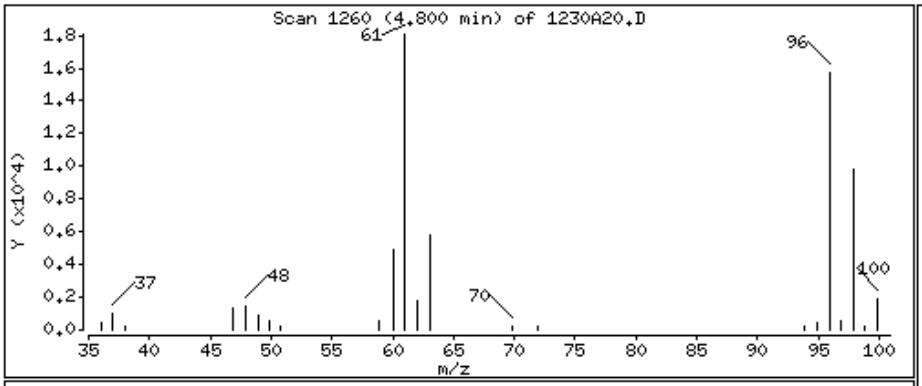
Operator: PK

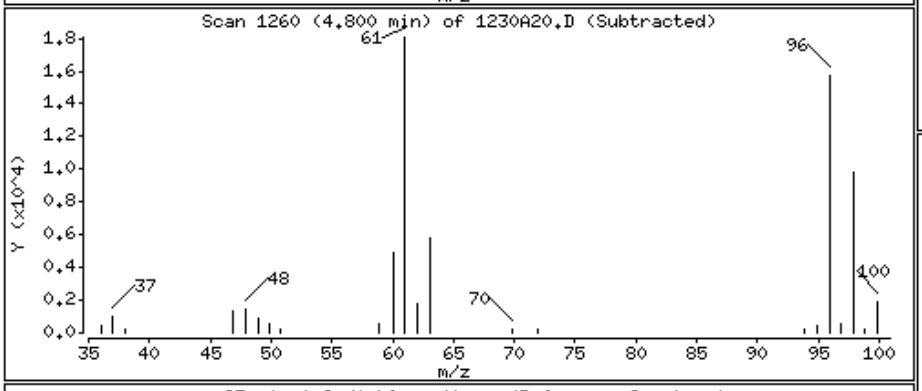
Column phase:

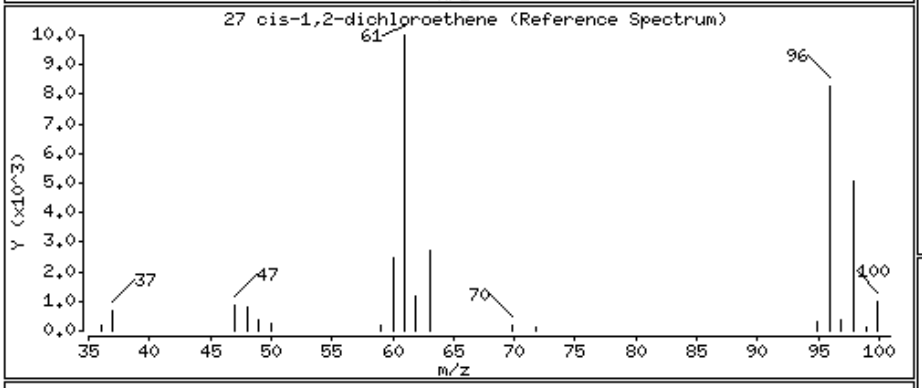
Column diameter: 0.18

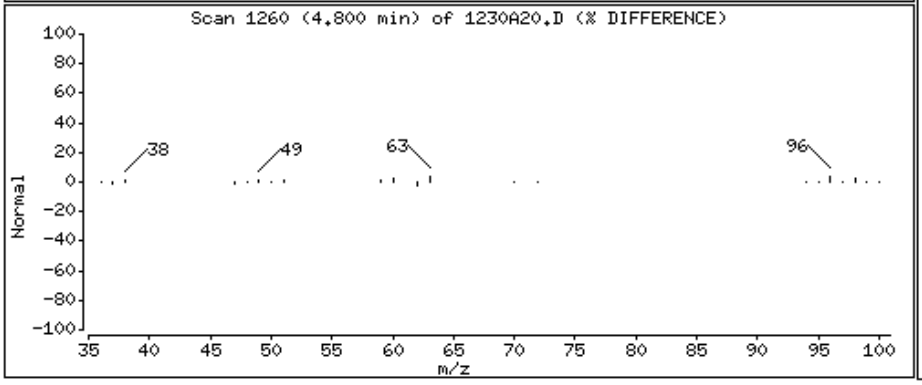
27 cis-1,2-dichloroethene

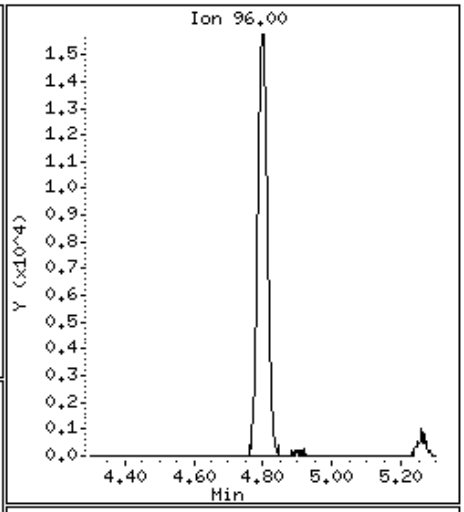
Concentration: 12.273 ngs

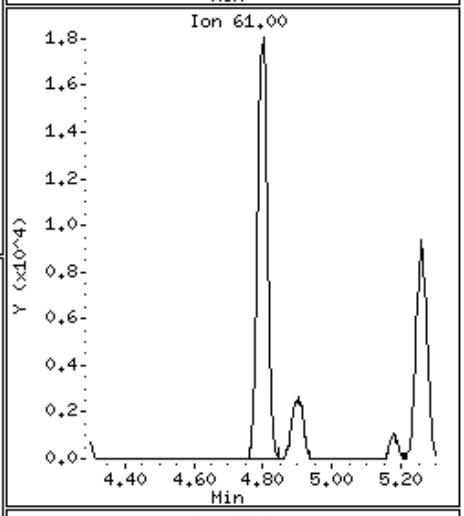


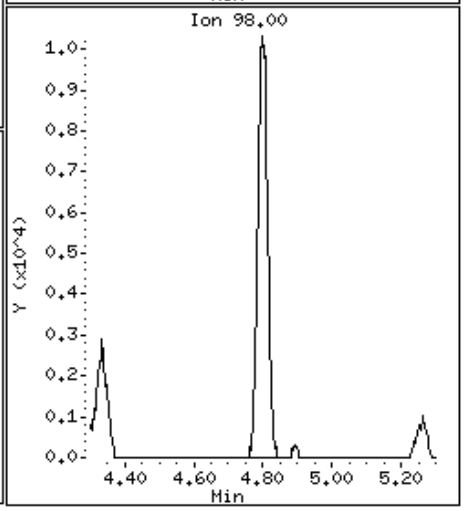












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

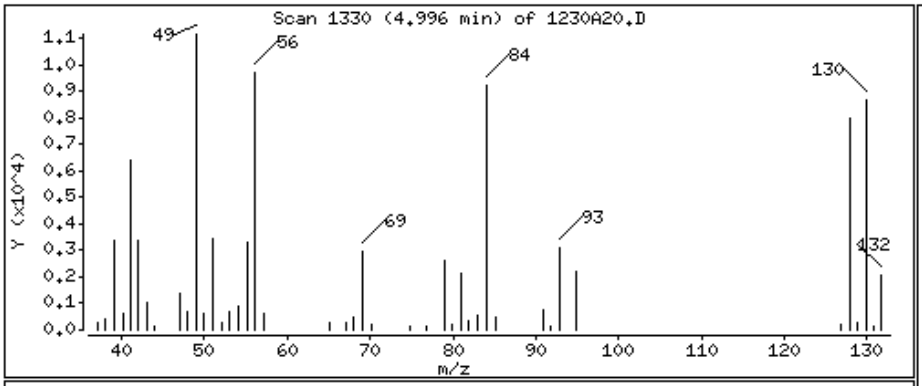
Operator: PK

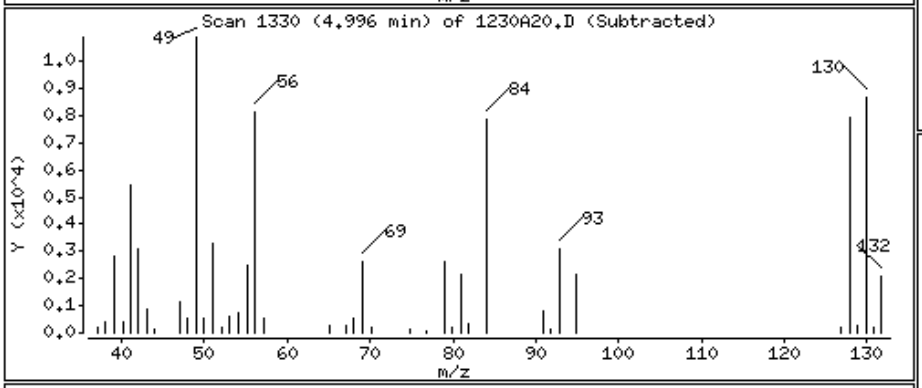
Column phase:

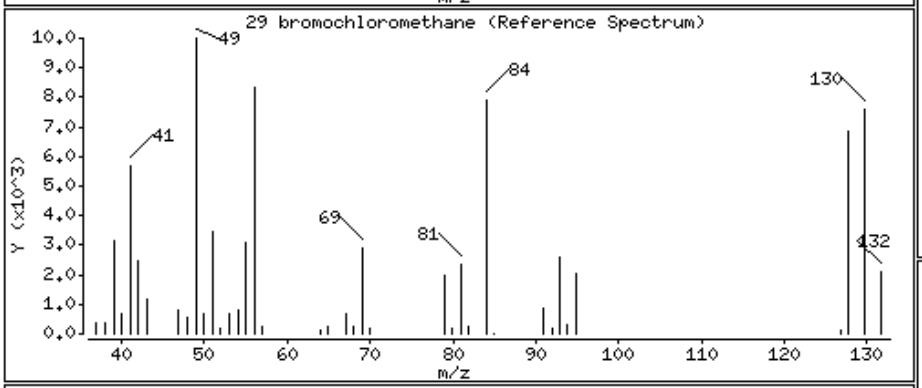
Column diameter: 0.18

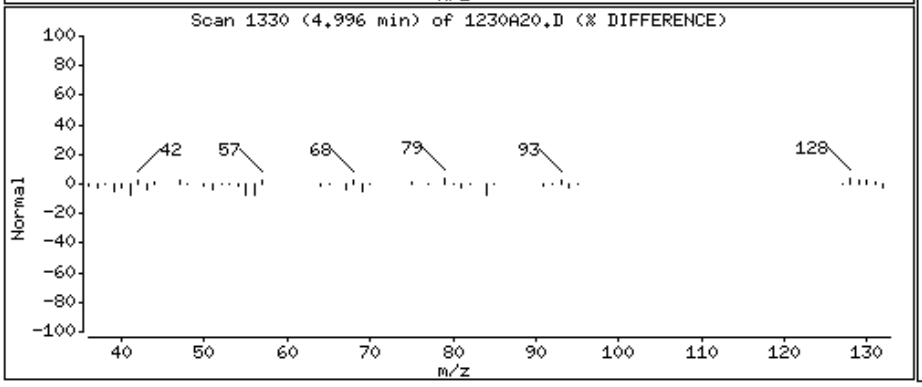
29 bromochloromethane

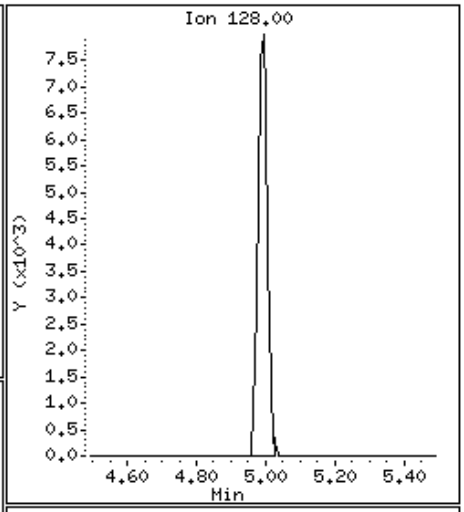
Concentration: 12.745 ngs

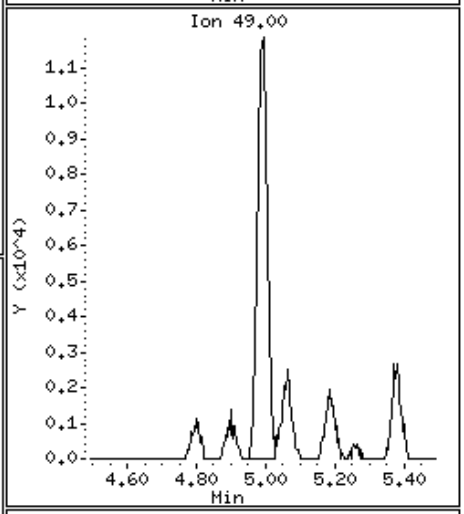


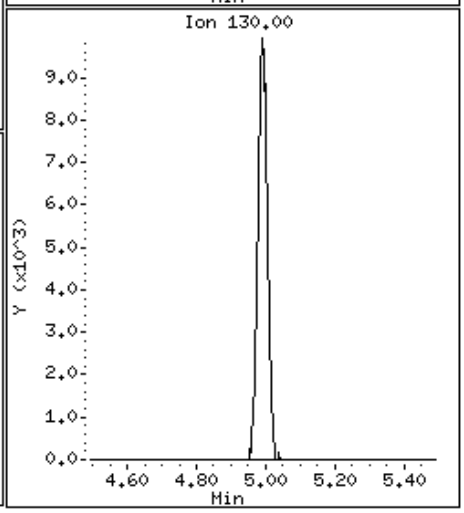












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

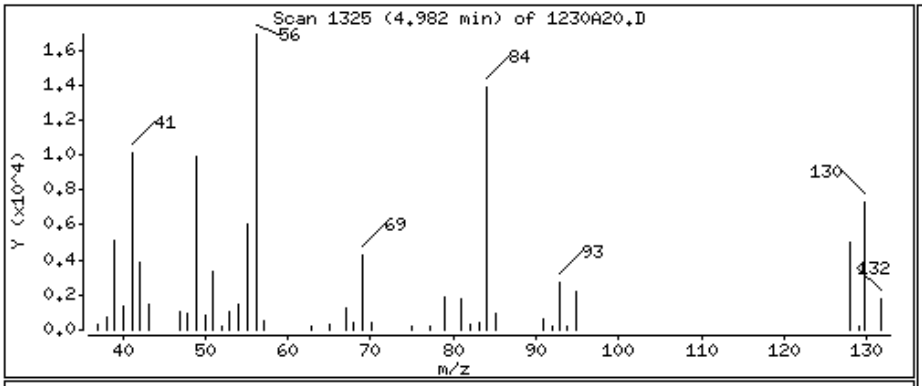
Operator: PK

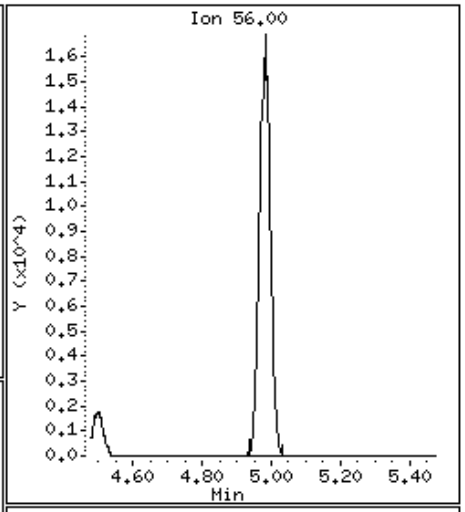
Column phase:

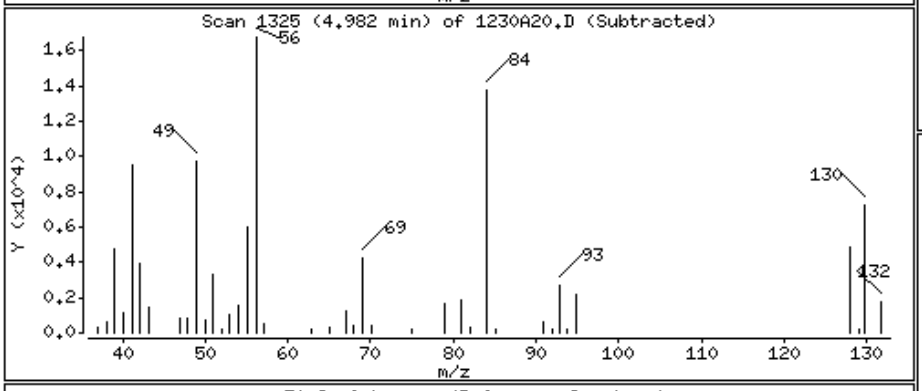
Column diameter: 0.18

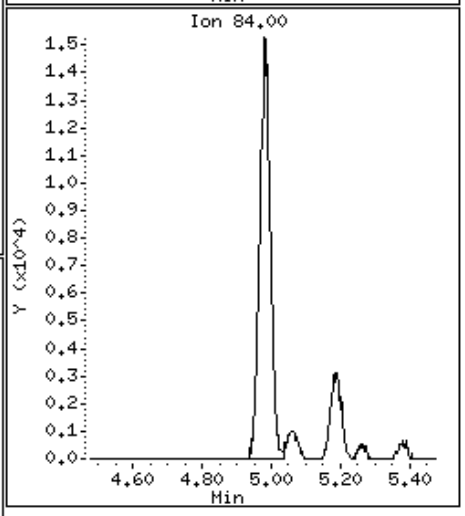
30 Cyclohexane

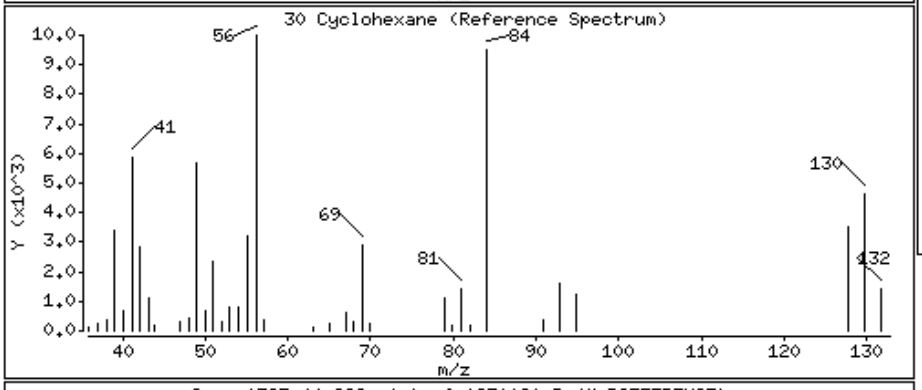
Concentration: 11.718 ngs

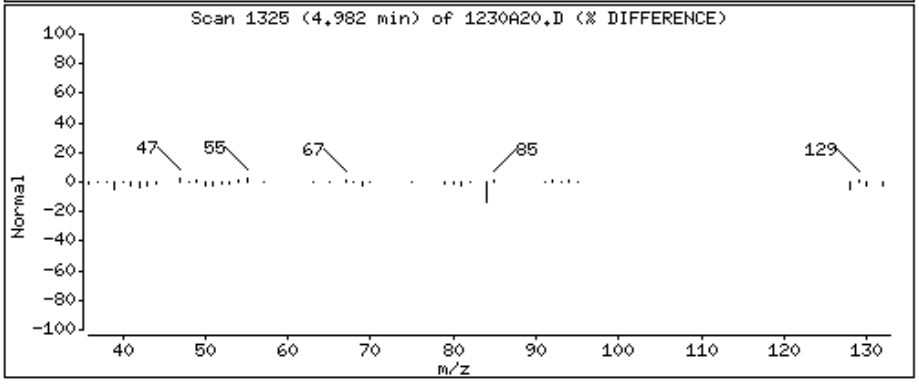












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

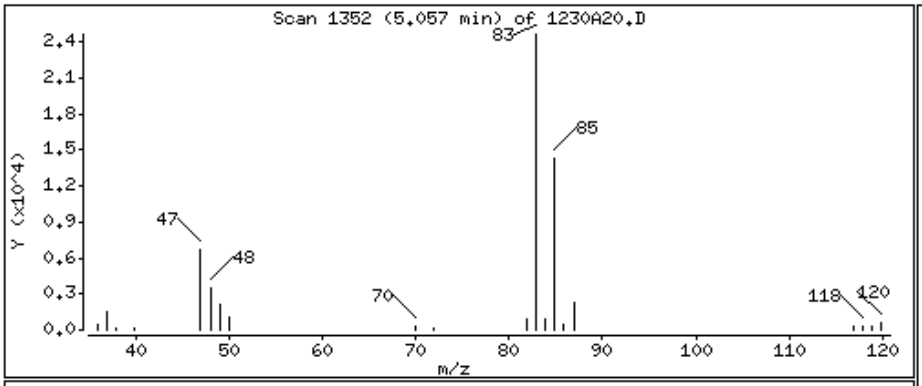
Operator: PK

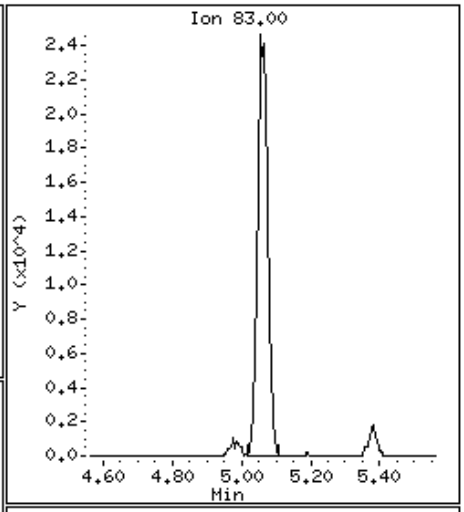
Column phase:

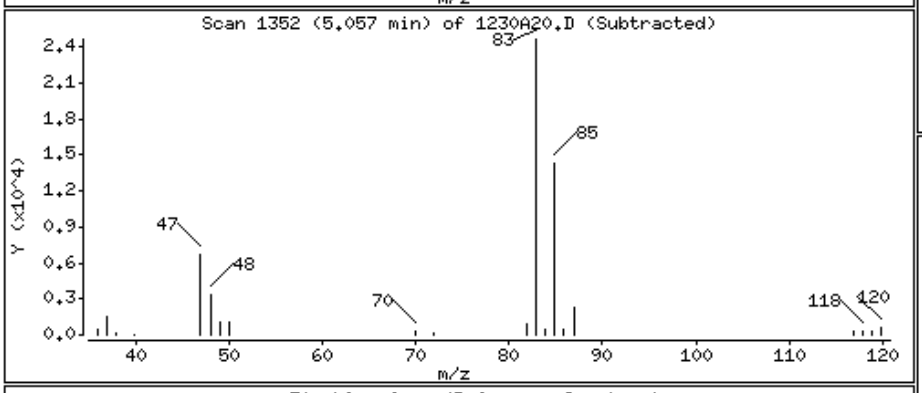
Column diameter: 0.18

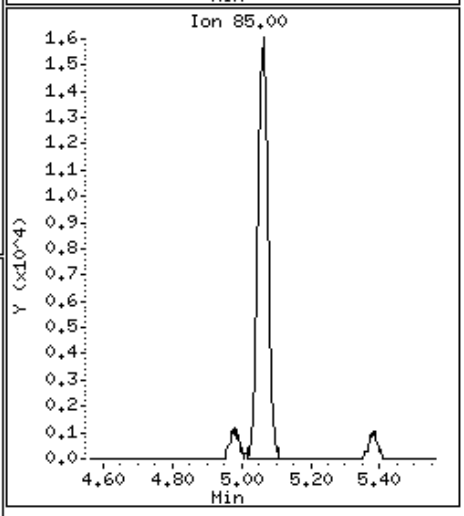
31 chloroform

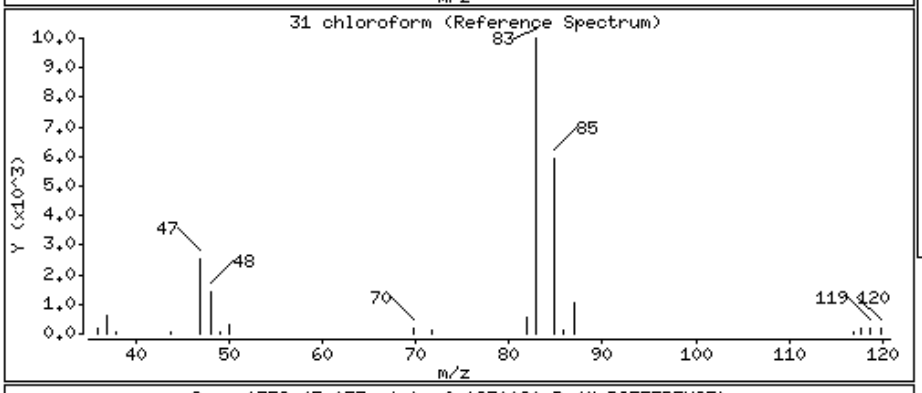
Concentration: 12.249 ngs

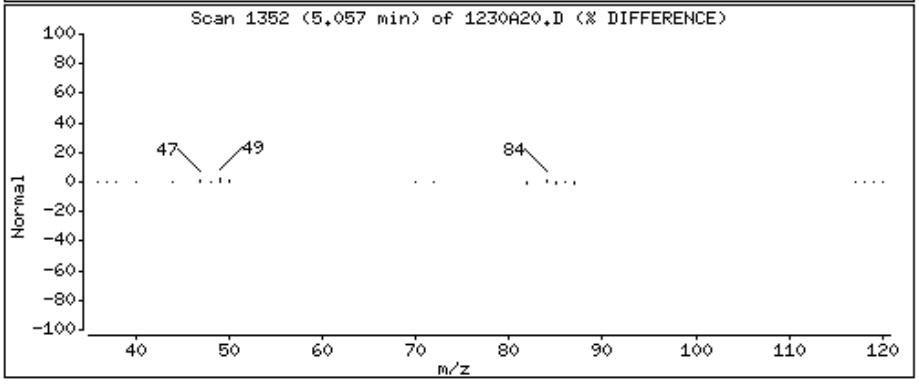












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

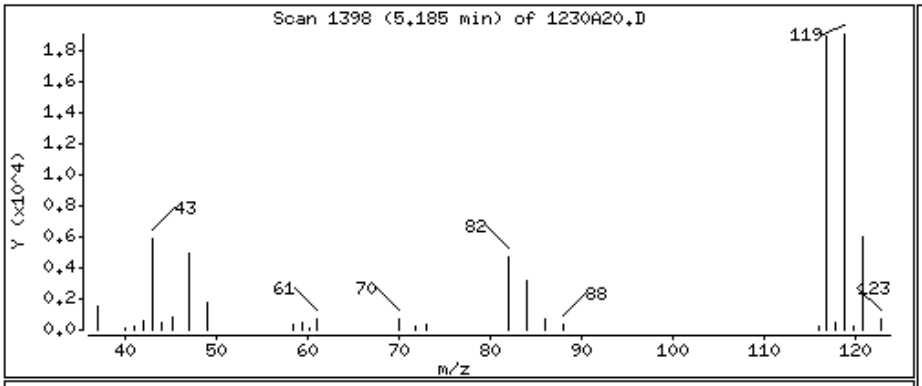
Operator: PK

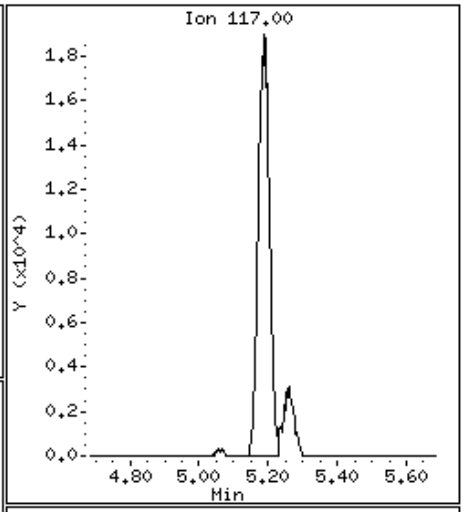
Column phase:

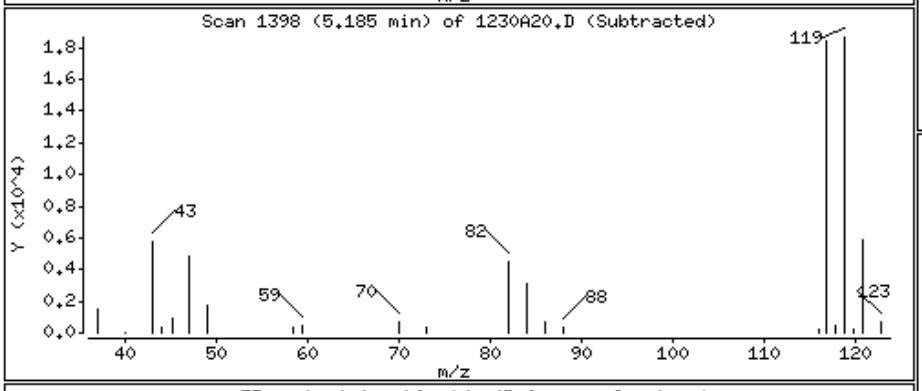
Column diameter: 0.18

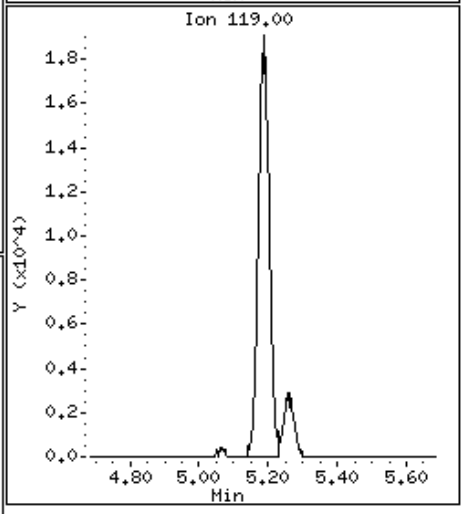
33 carbontetrachloride

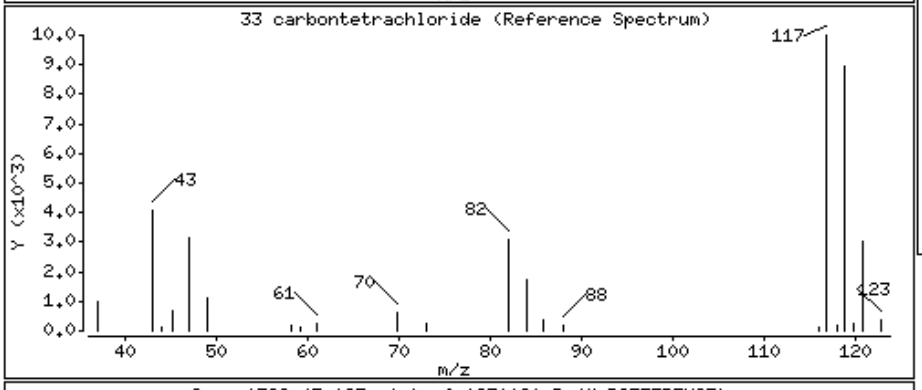
Concentration: 13.174 ngs

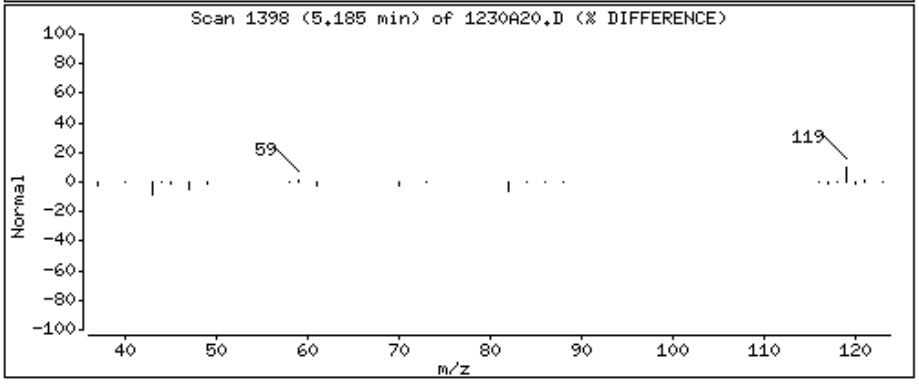












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

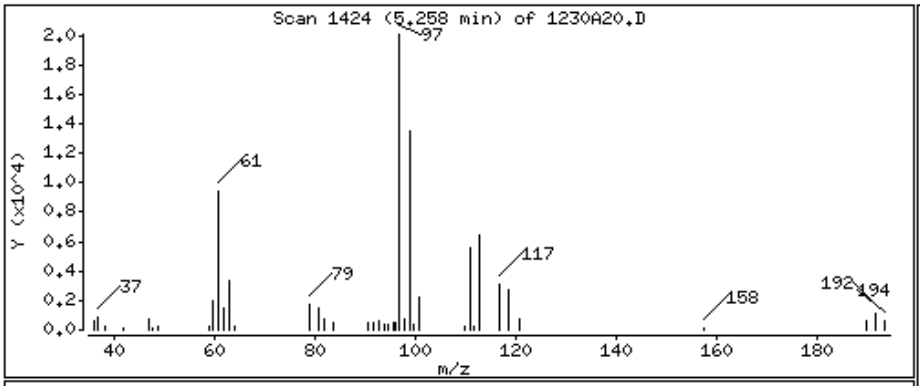
Operator: PK

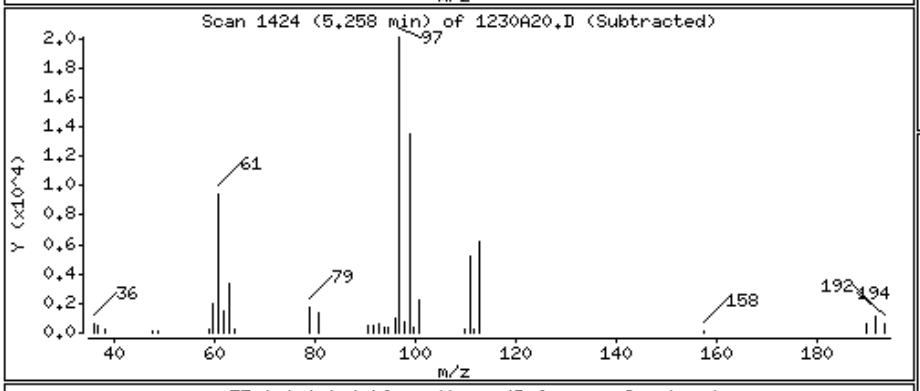
Column phase:

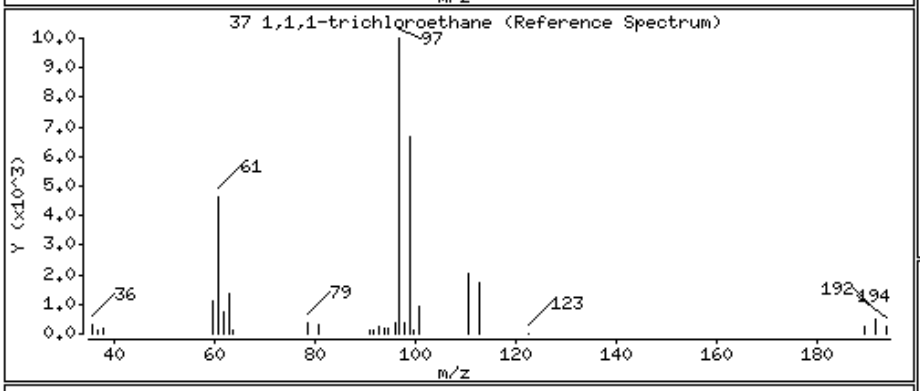
Column diameter: 0.18

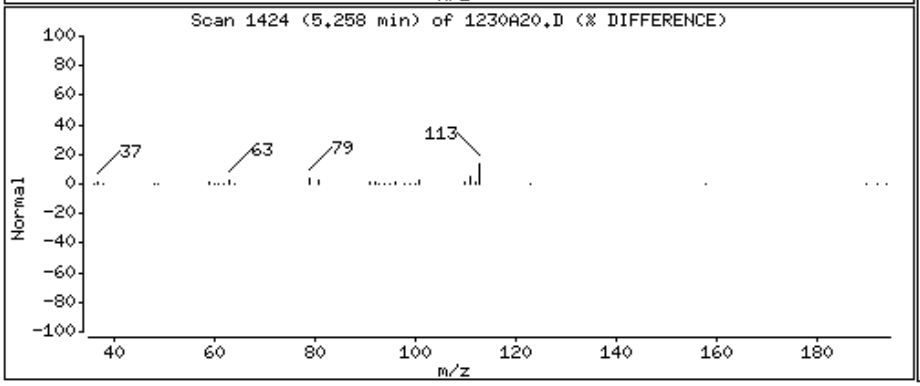
37 1,1,1-trichloroethane

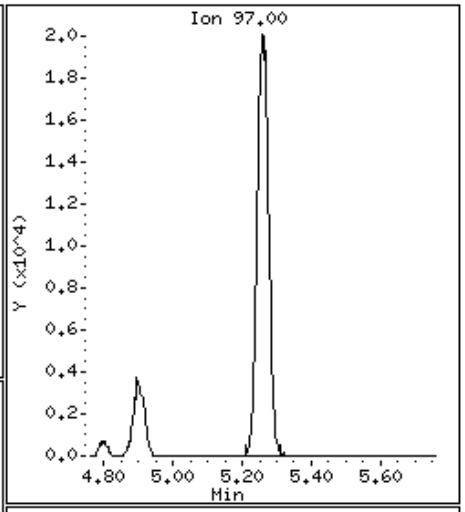
Concentration: 13.212 ngs

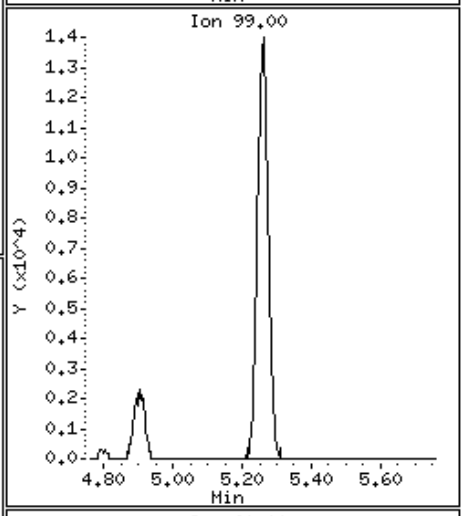


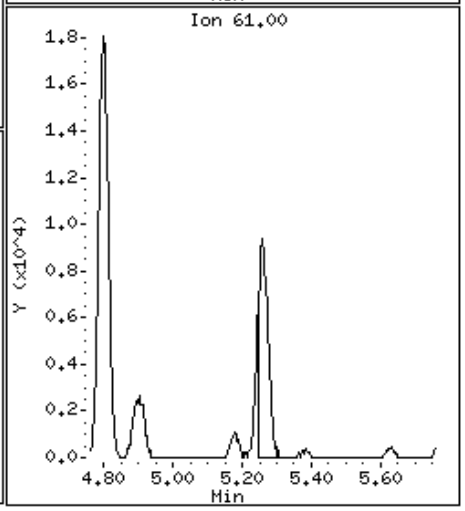












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

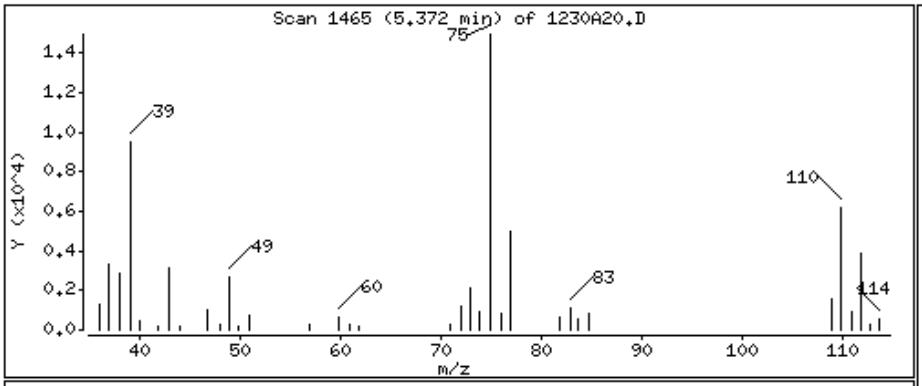
Operator: PK

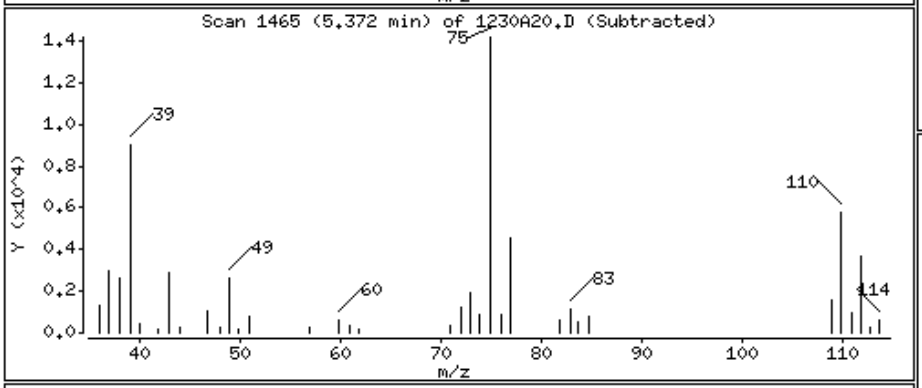
Column phase:

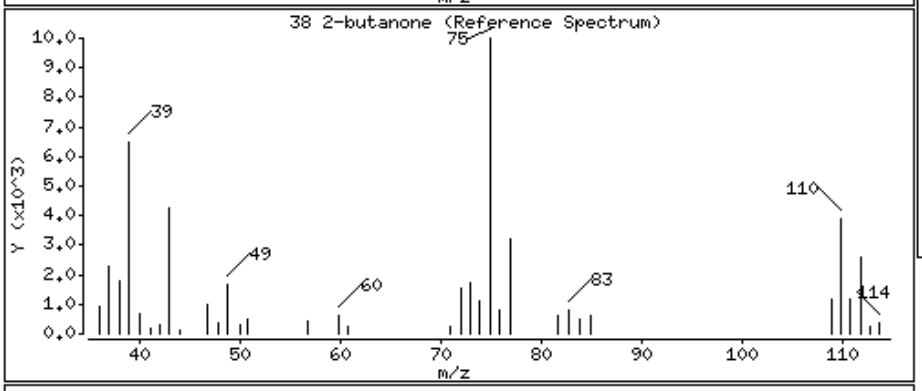
Column diameter: 0.18

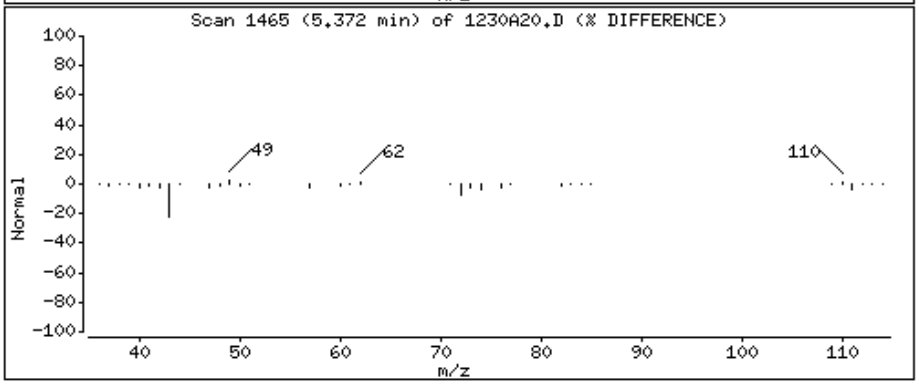
38 2-butanone

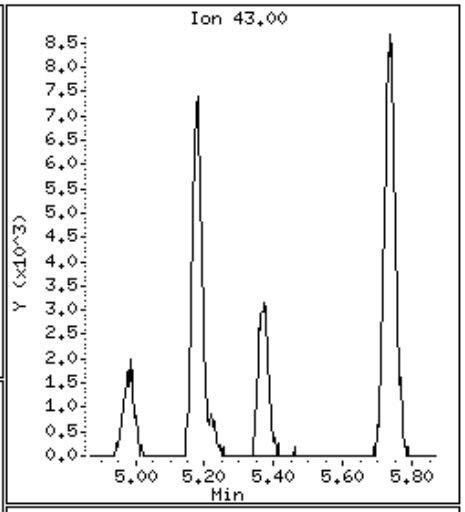
Concentration: 9.786 ngs

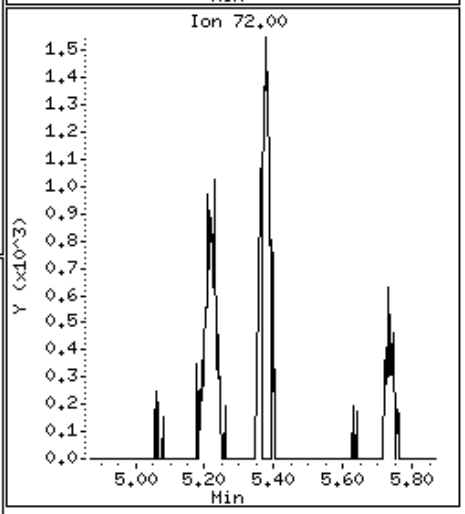












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

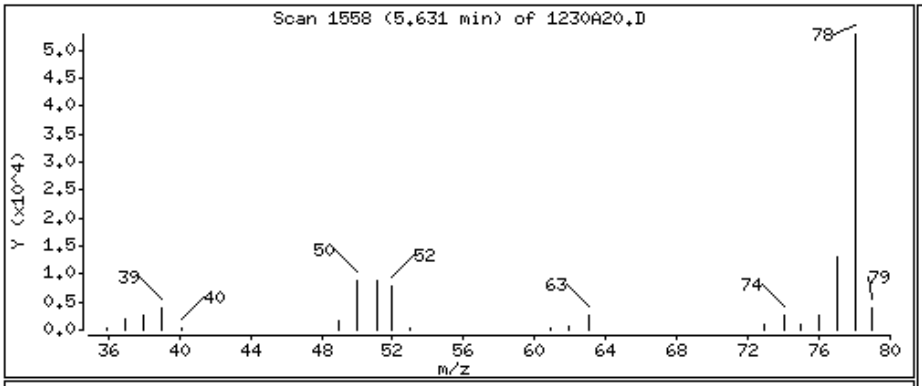
Operator: PK

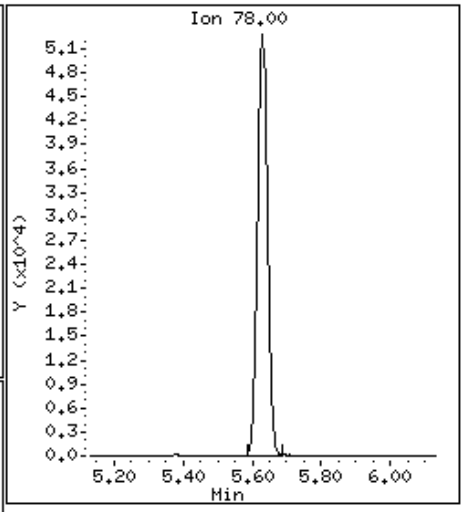
Column phase:

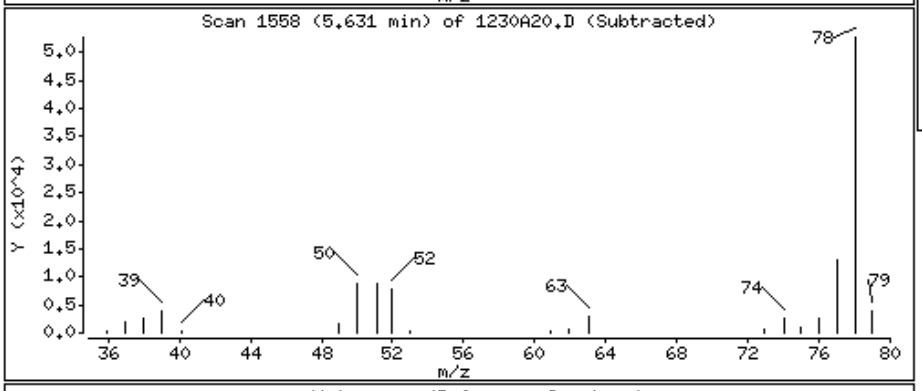
Column diameter: 0.18

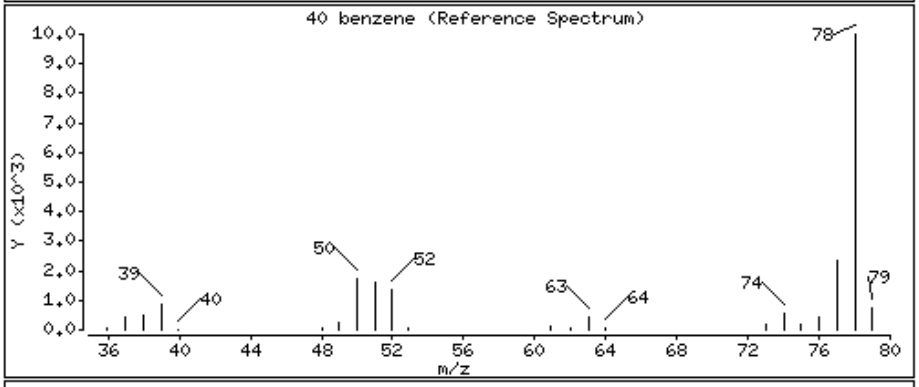
40 benzene

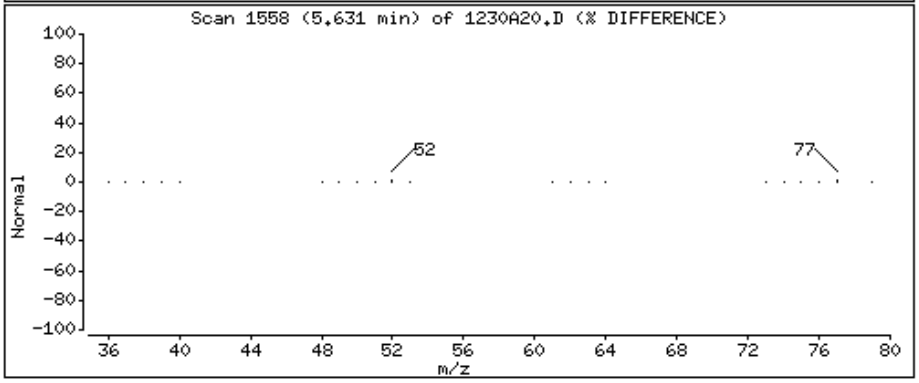
Concentration: 12.180 ngs











Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

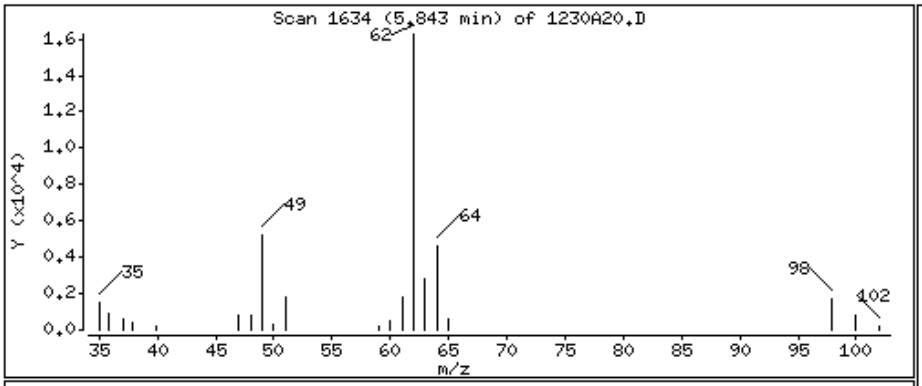
Operator: PK

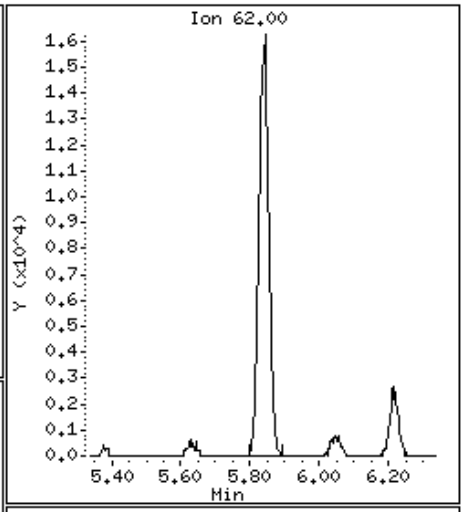
Column phase:

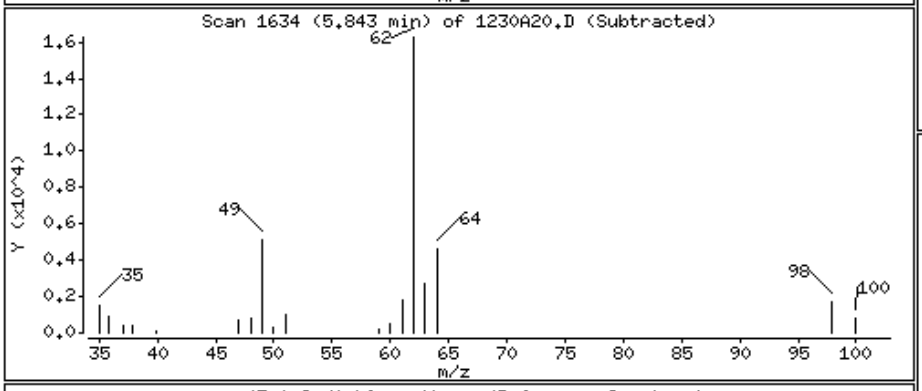
Column diameter: 0.18

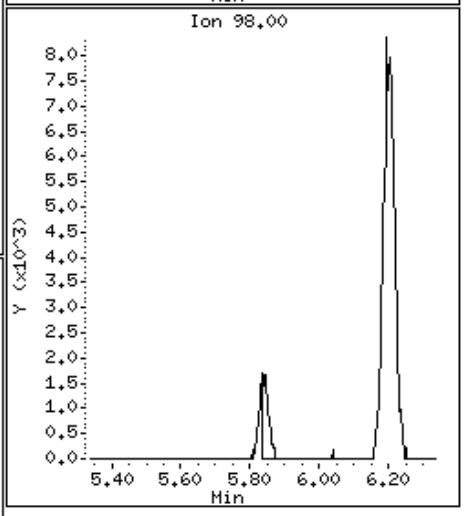
43 1,2-dichloroethane

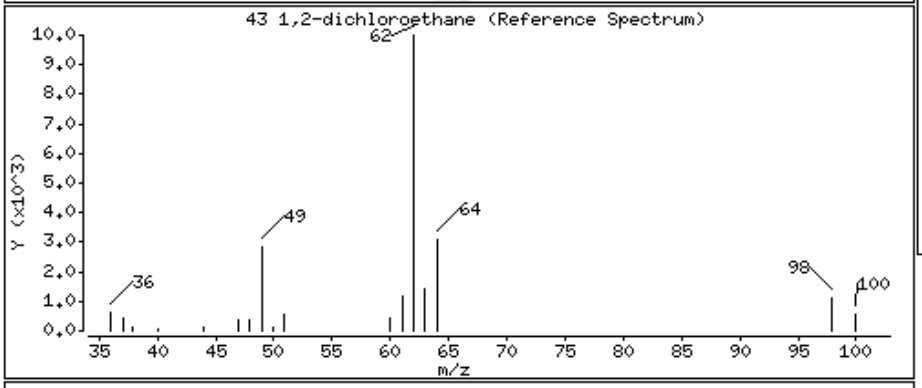
Concentration: 11.496 ngs

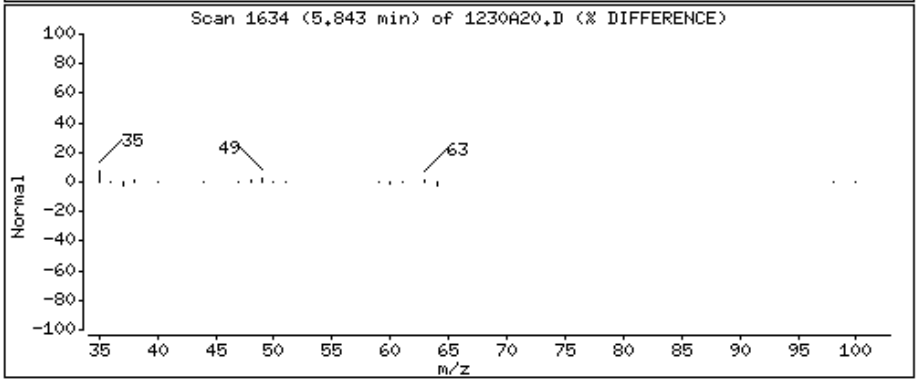












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

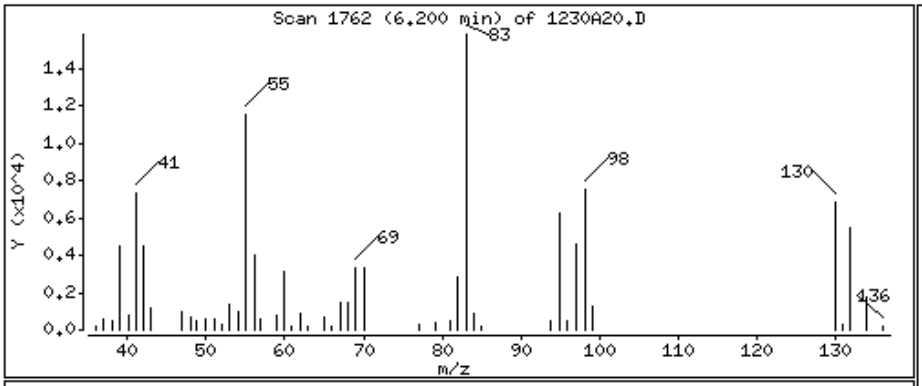
Operator: PK

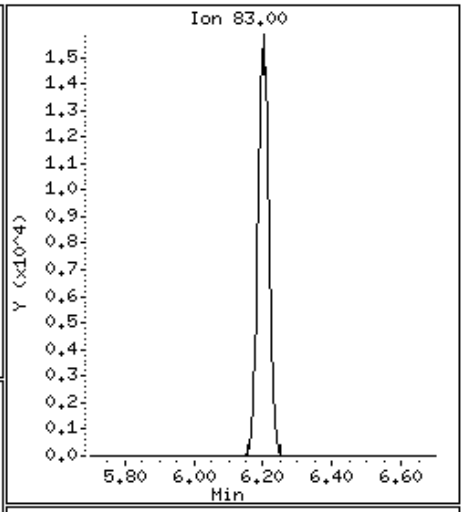
Column phase:

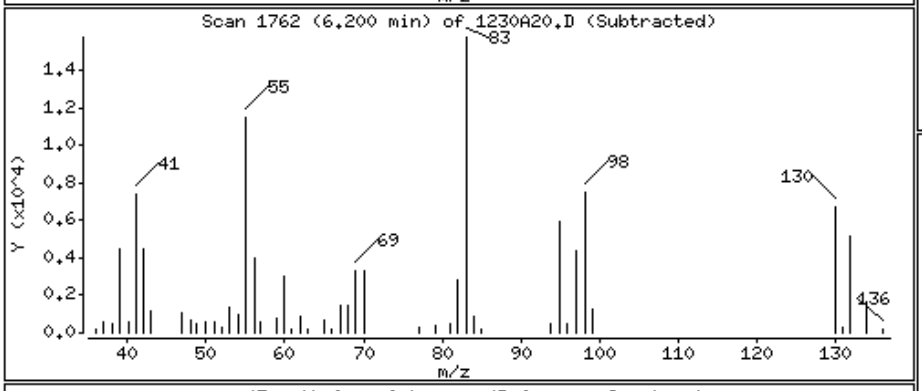
Column diameter: 0.18

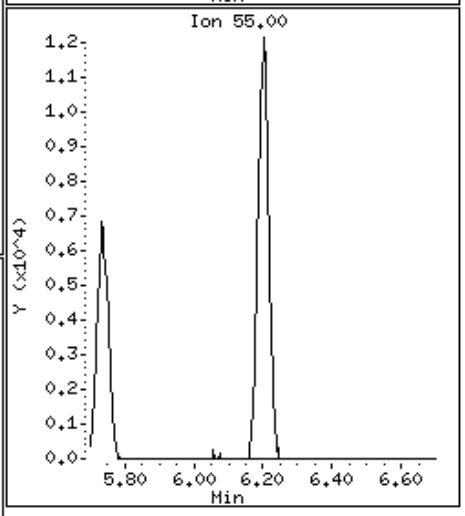
47 methyl cyclohexane

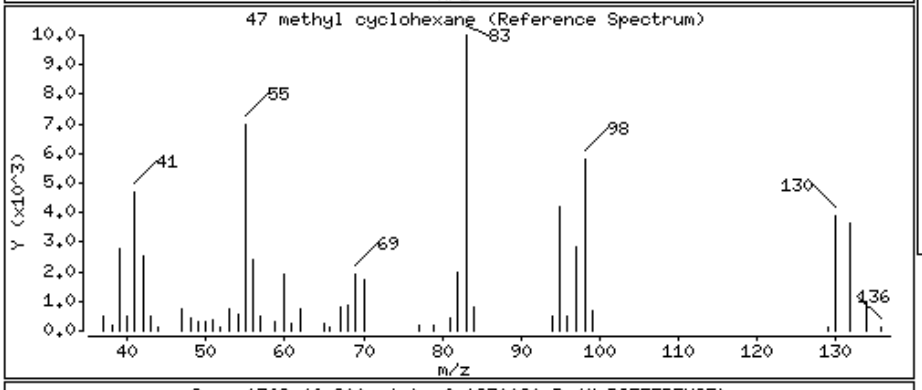
Concentration: 10.157 ngs

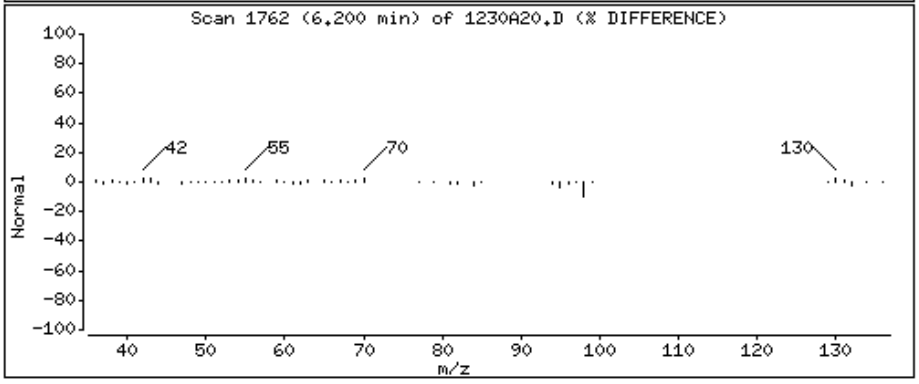












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

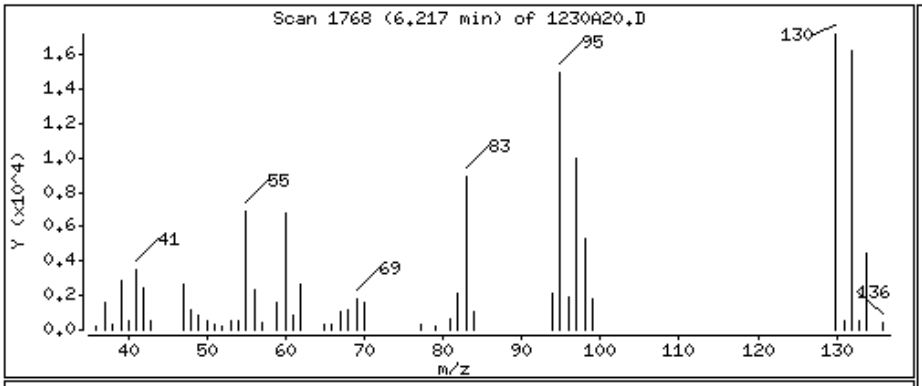
Operator: PK

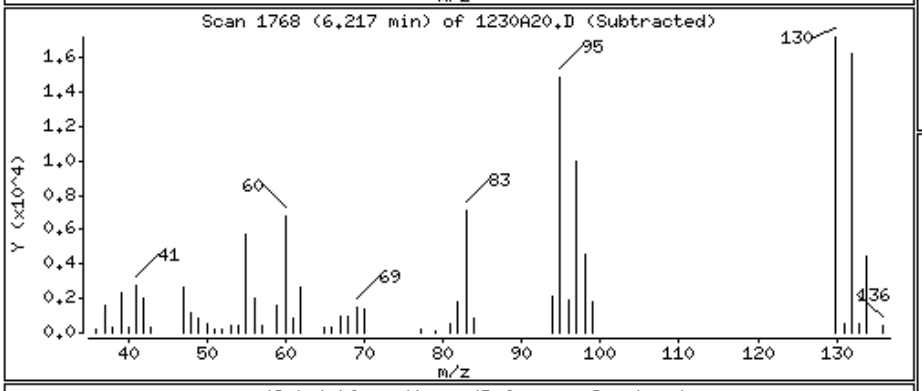
Column phase:

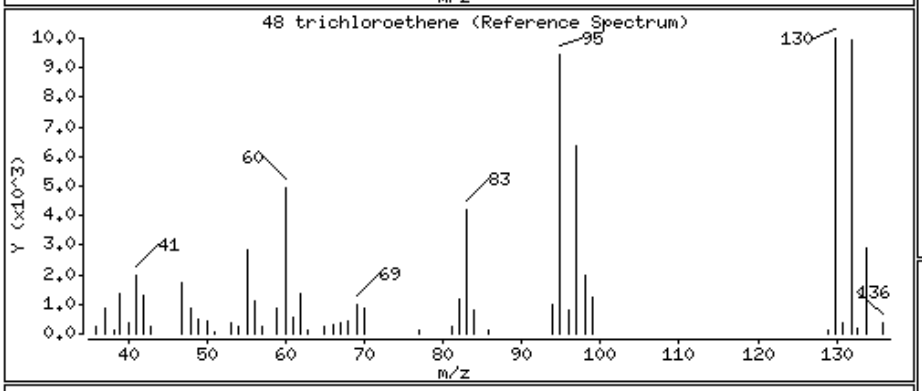
Column diameter: 0.18

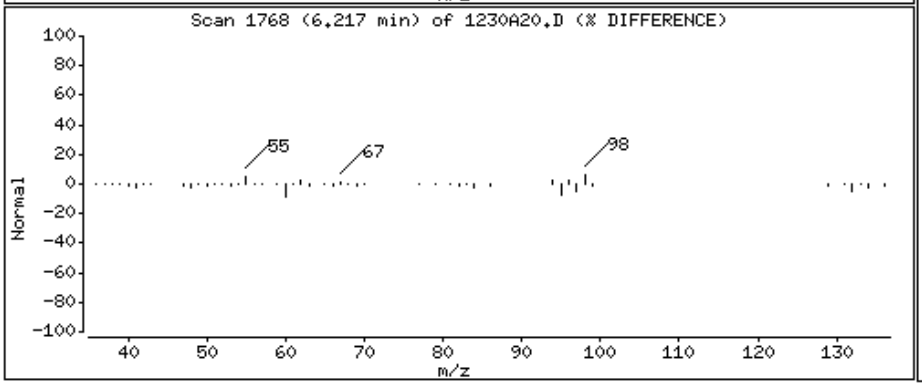
48 trichloroethene

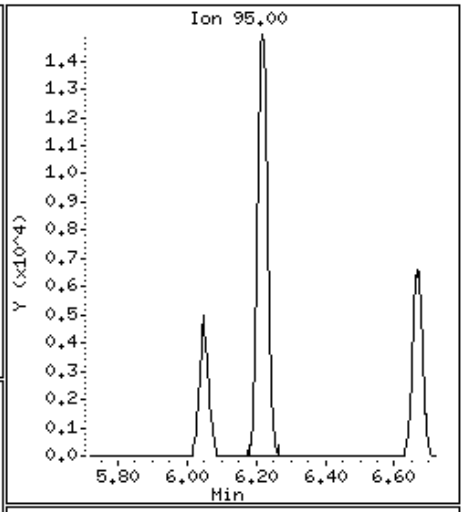
Concentration: 12.233 ngs

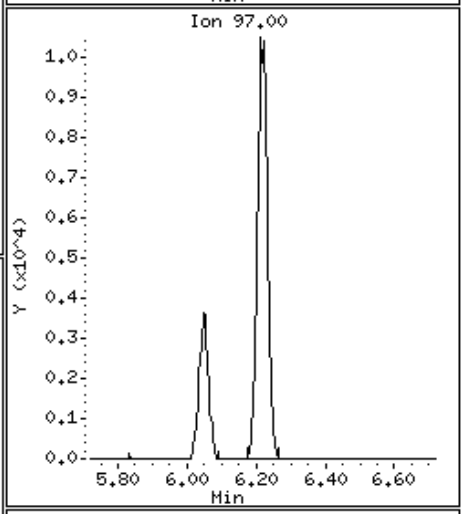


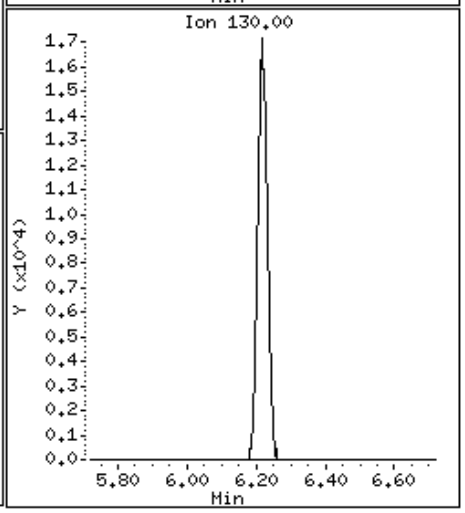












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

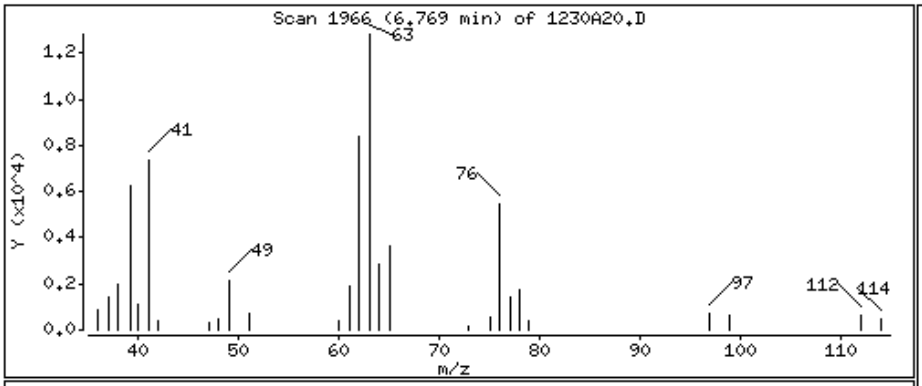
Operator: PK

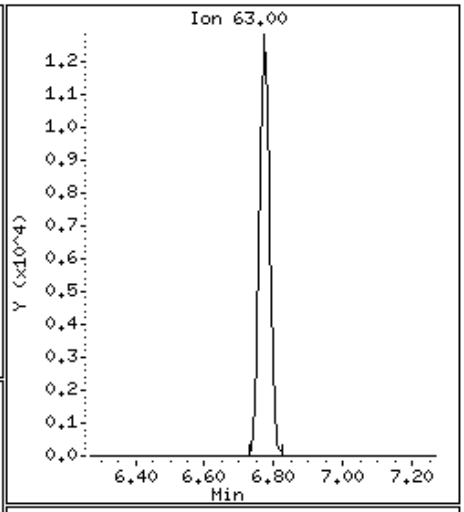
Column phase:

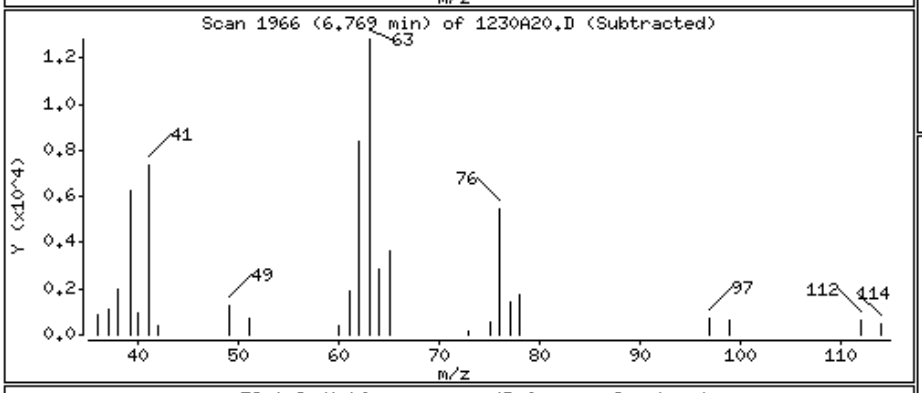
Column diameter: 0.18

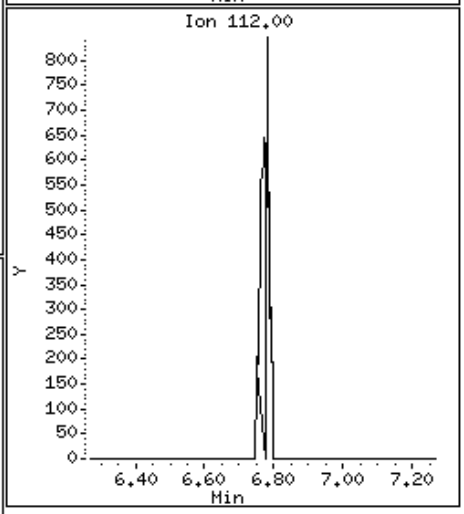
52 1,2-dichloropropane

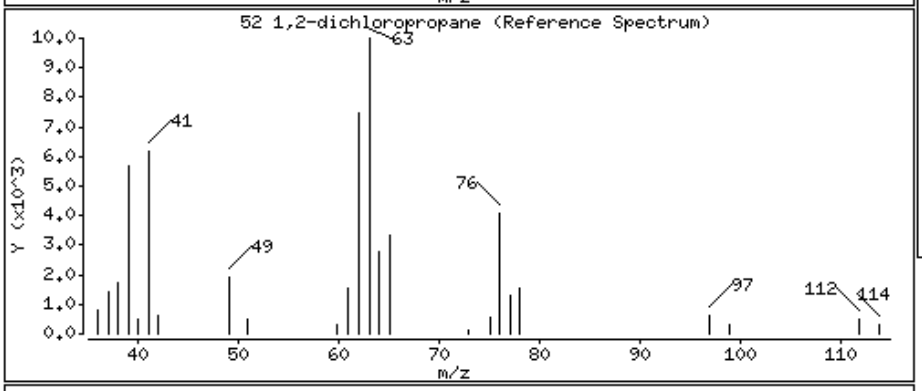
Concentration: 12.497 ngs

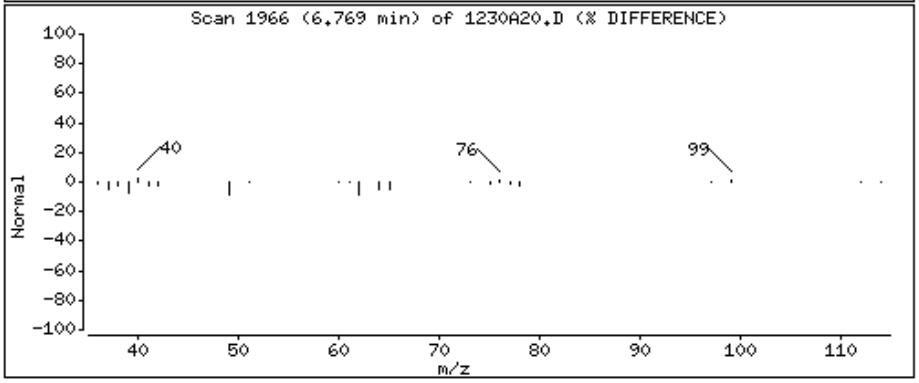












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

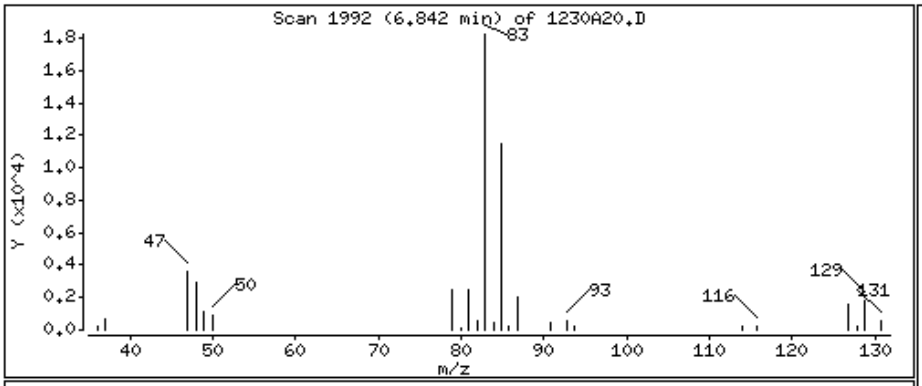
Operator: PK

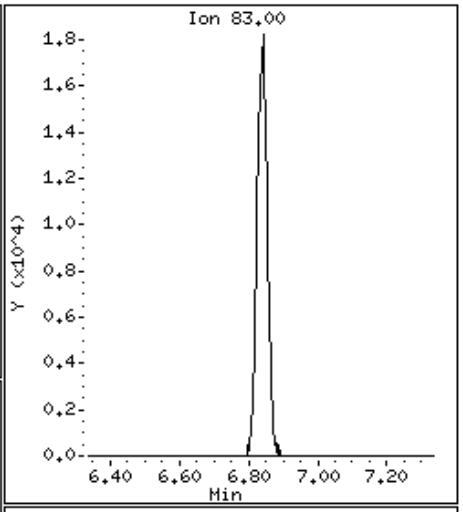
Column phase:

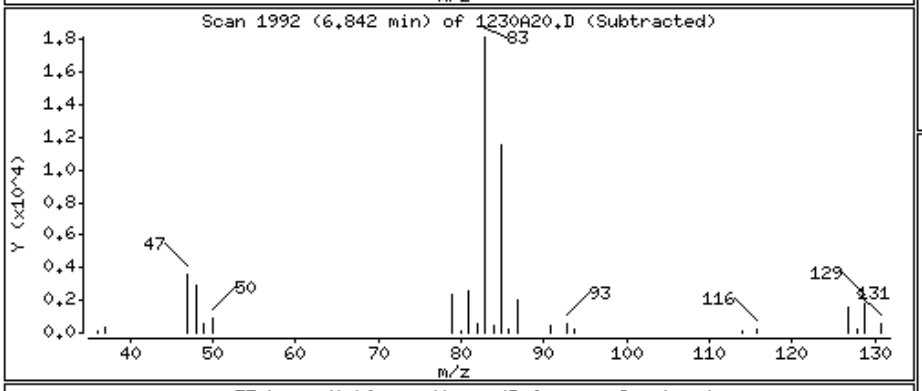
Column diameter: 0.18

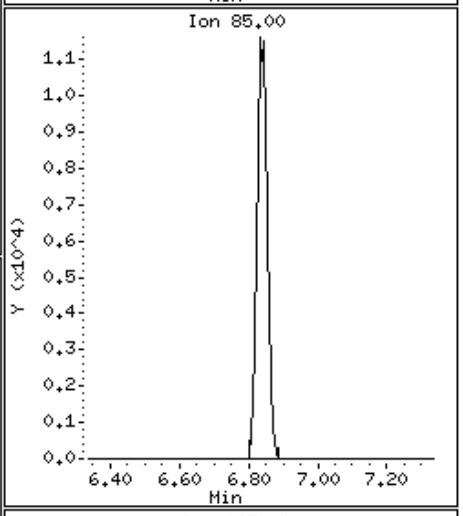
53 bromodichloromethane

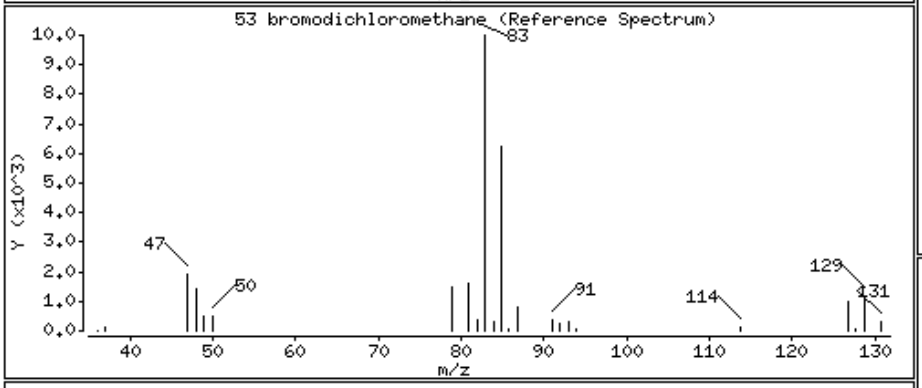
Concentration: 12.095 ngs

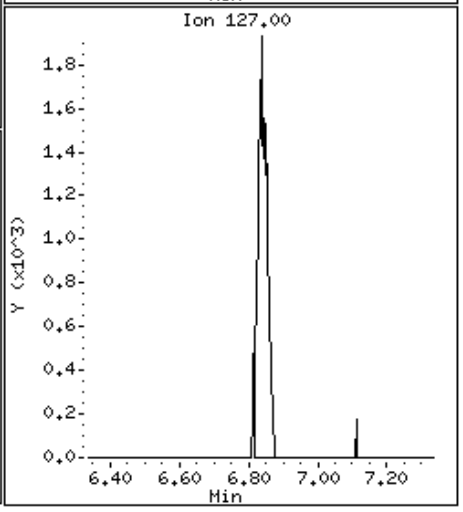


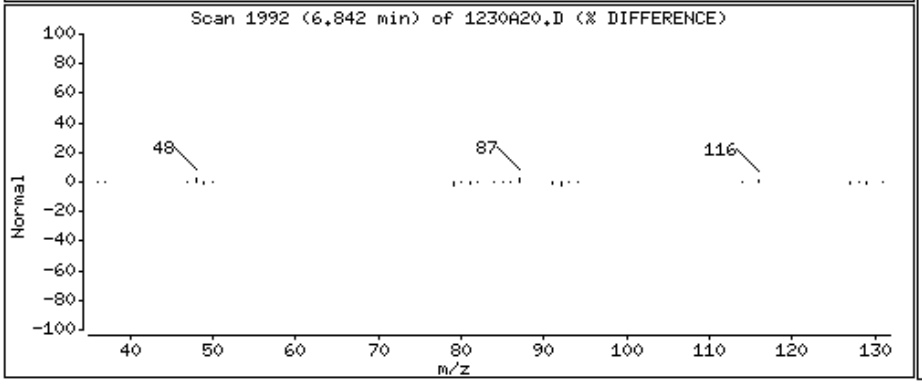












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

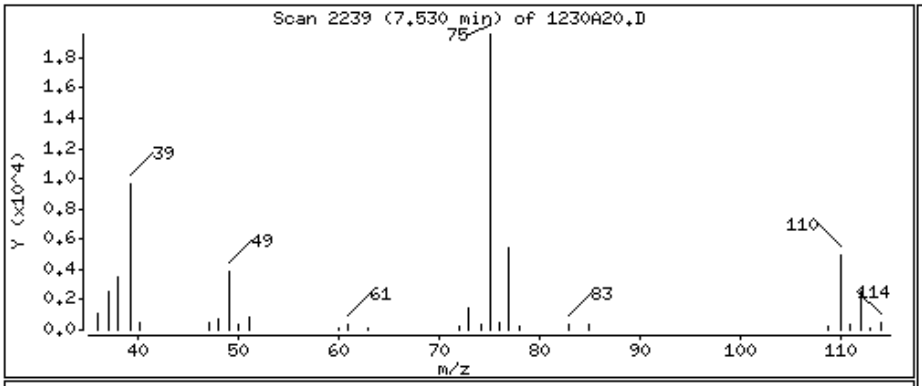
Operator: PK

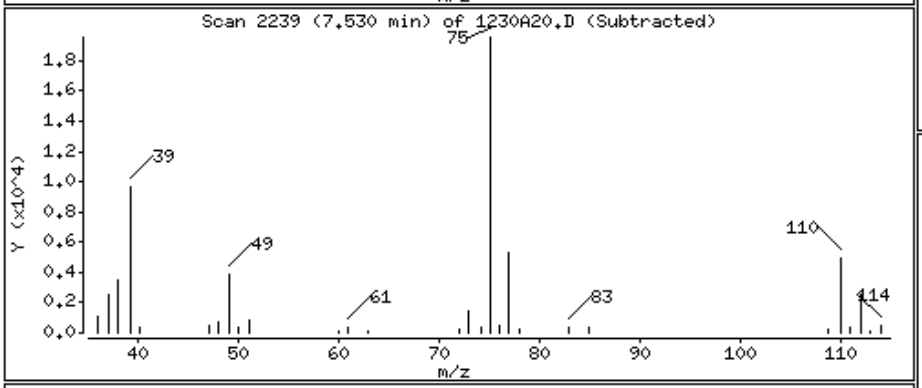
Column phase:

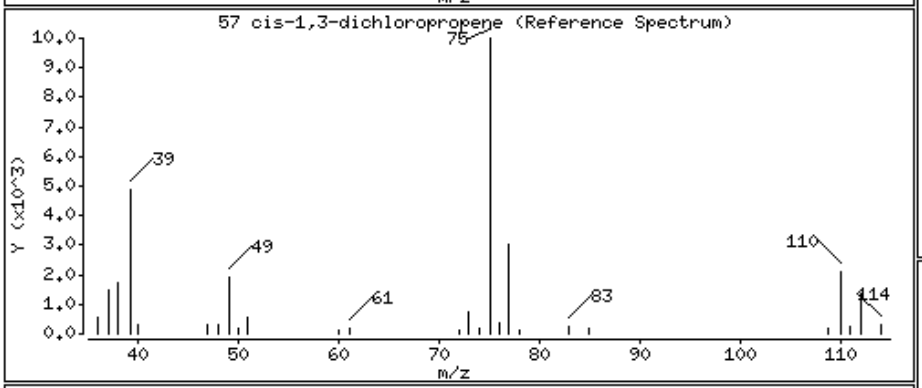
Column diameter: 0.18

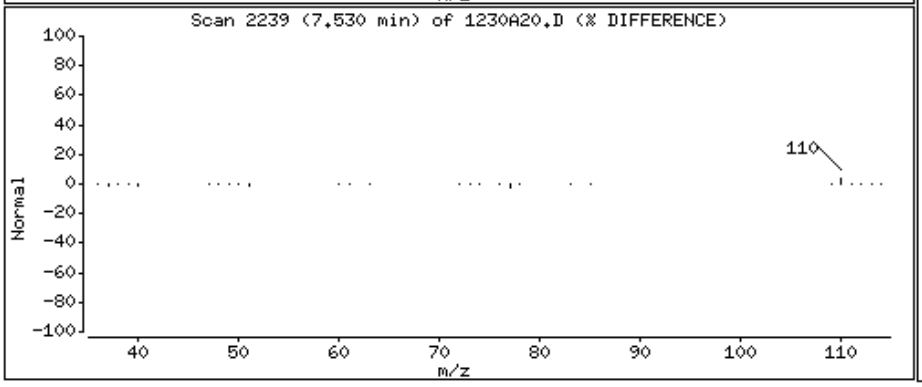
57 cis-1,3-dichloropropene

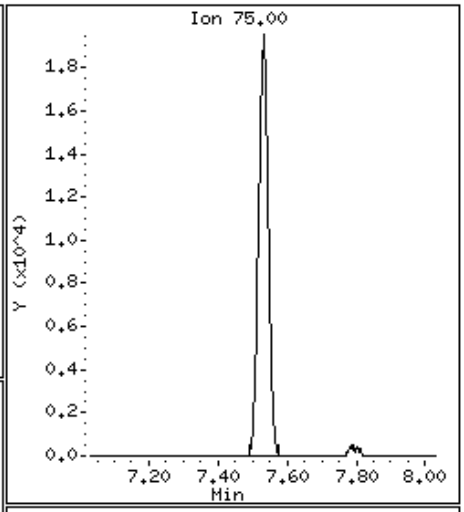
Concentration: 10.996 ngs

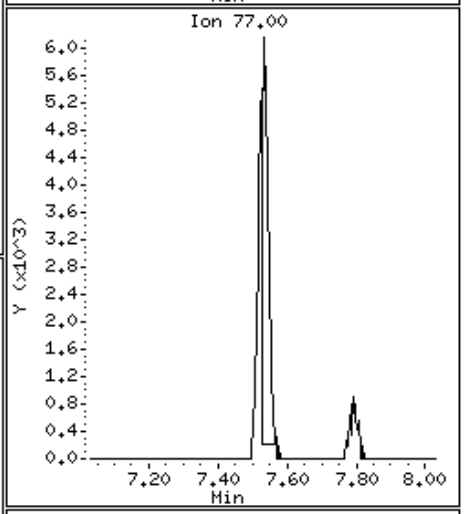


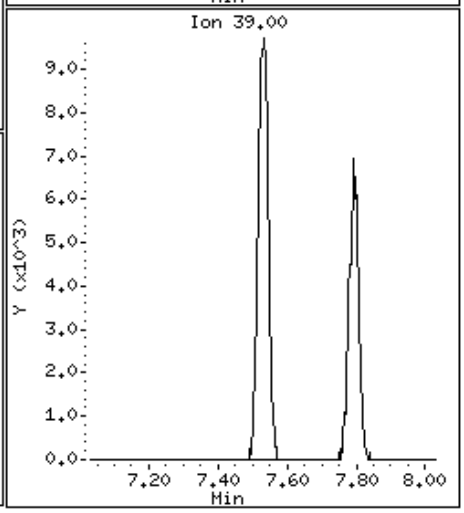












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

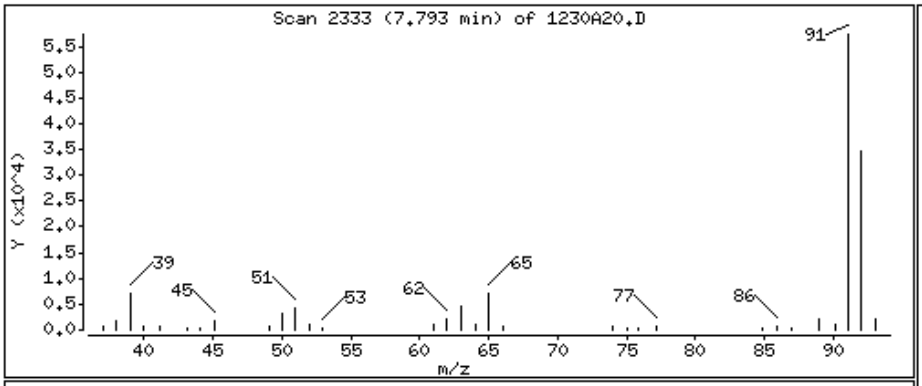
Operator: PK

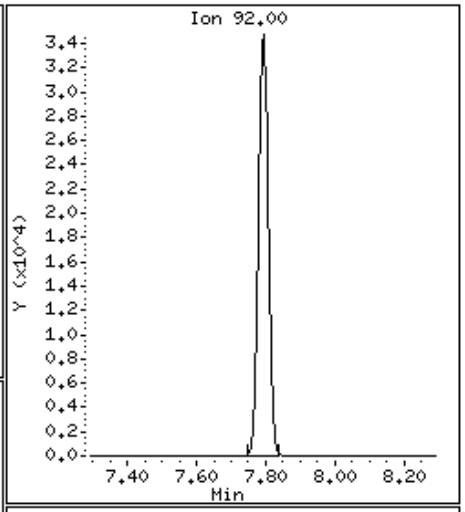
Column phase:

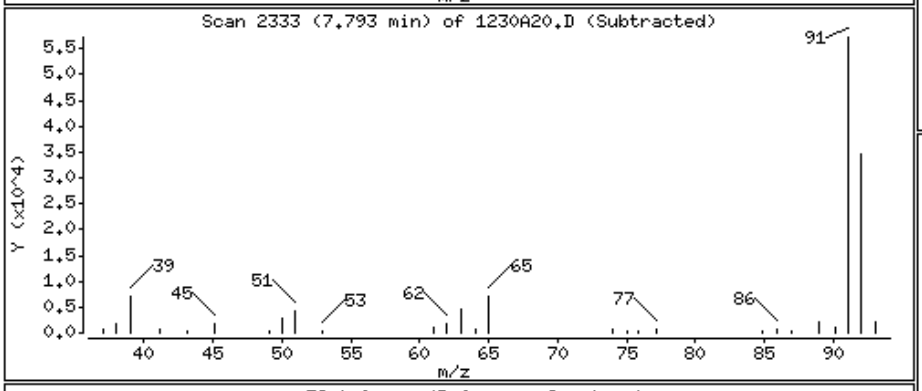
Column diameter: 0.18

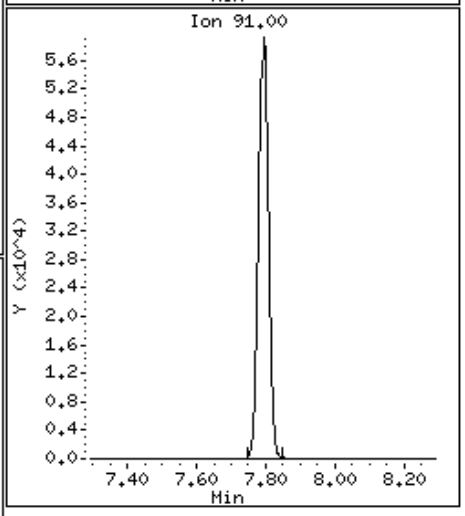
59 toluene

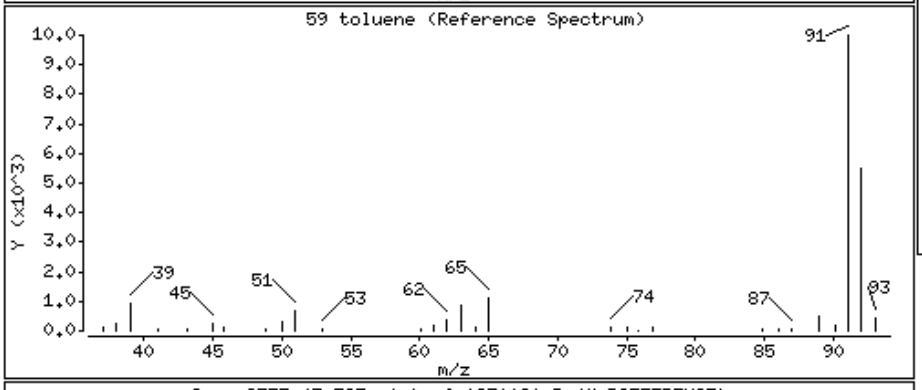
Concentration: 12.483 ngs

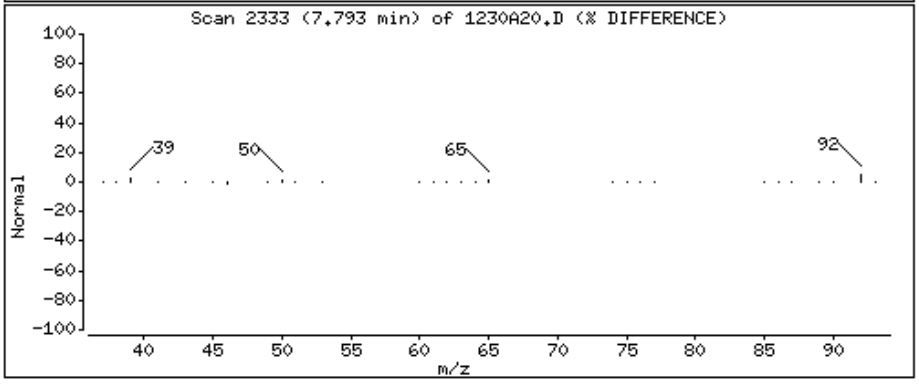












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

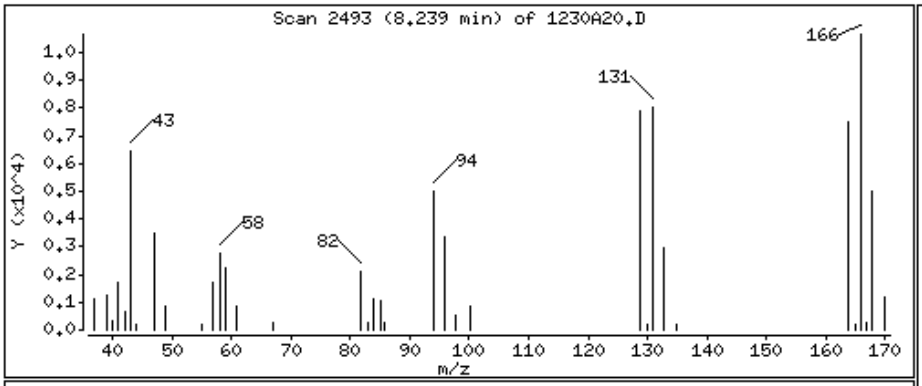
Operator: PK

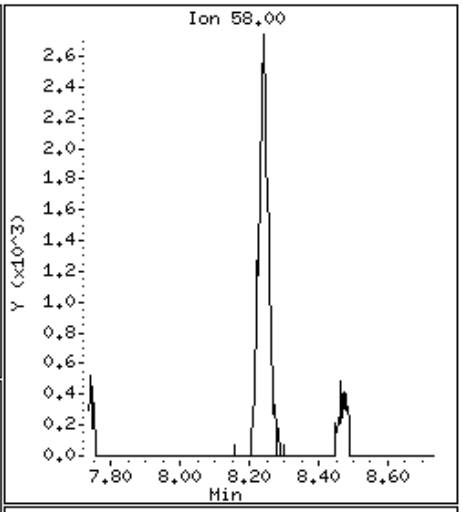
Column phase:

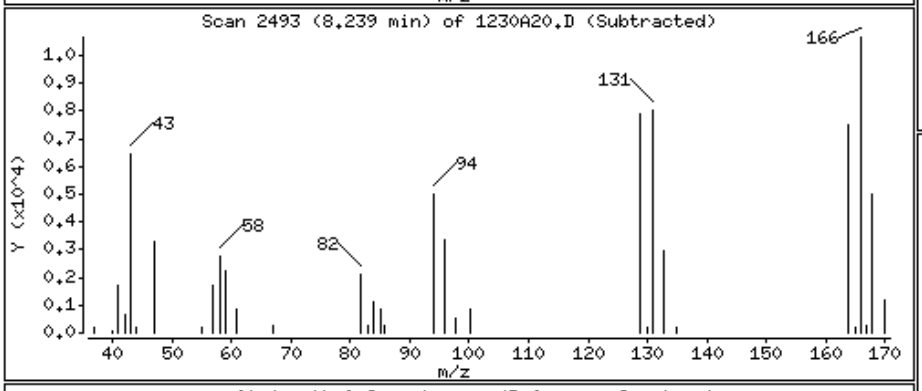
Column diameter: 0.18

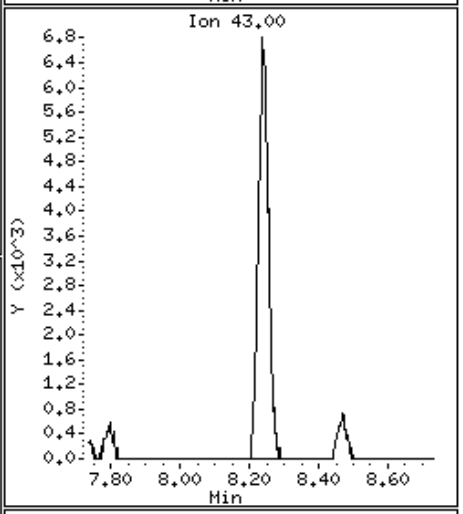
60 4-methyl-2-pentanone

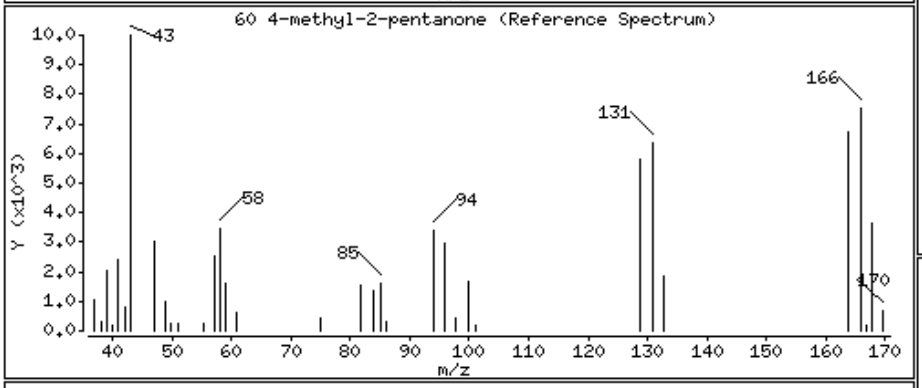
Concentration: 10.125 ngs

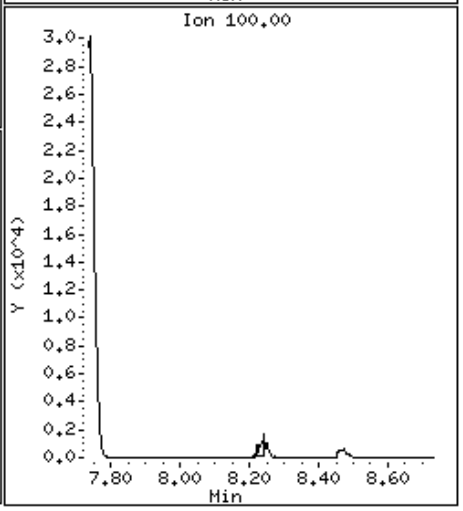


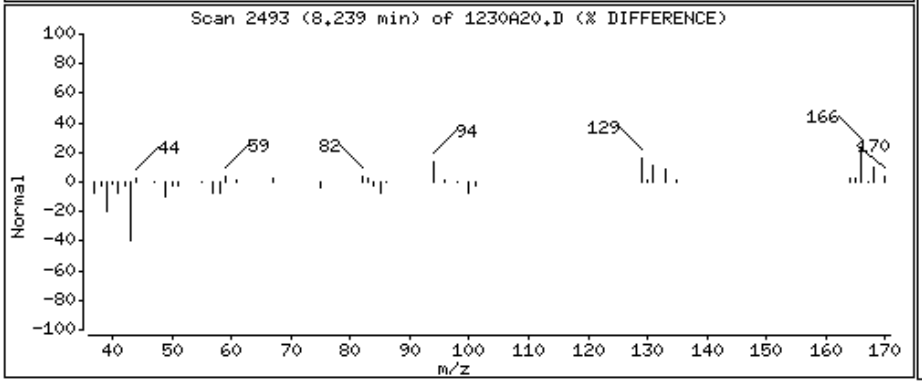












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

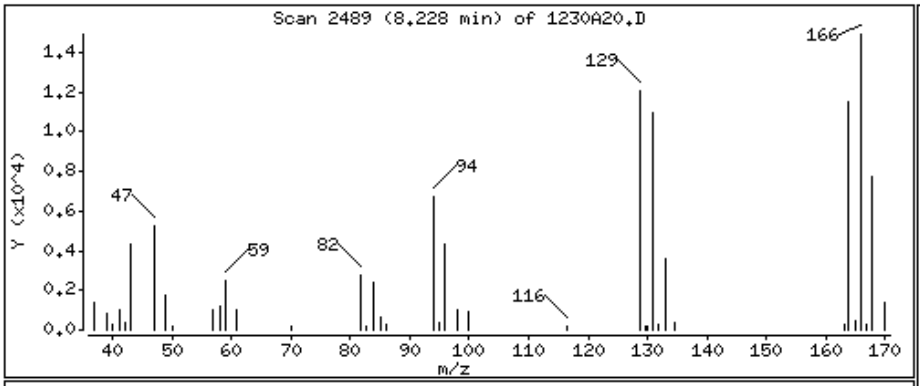
Operator: PK

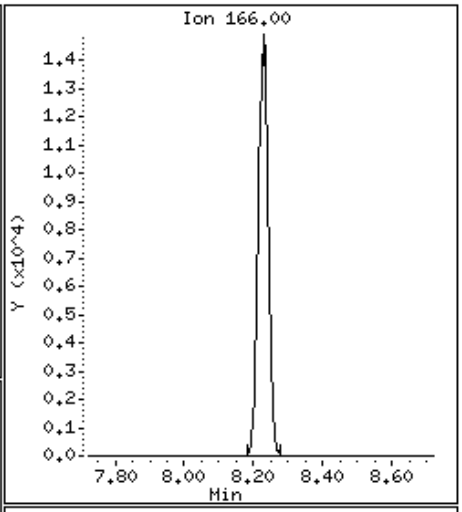
Column phase:

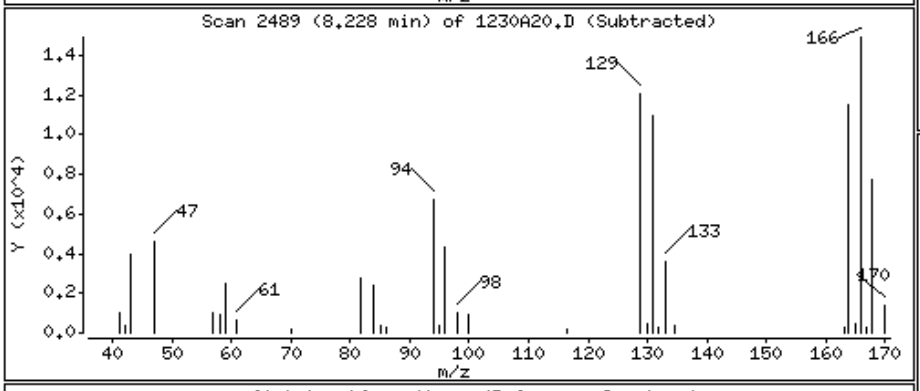
Column diameter: 0.18

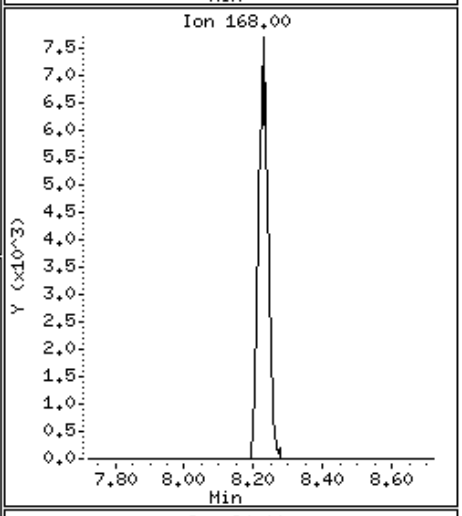
61 tetrachloroethene

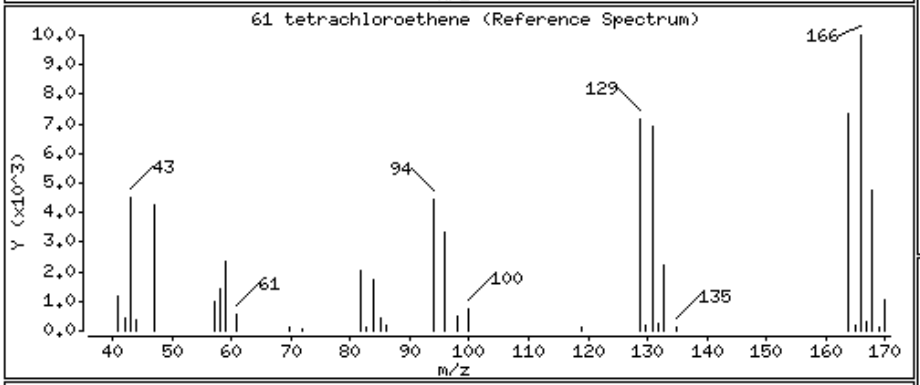
Concentration: 12.320 ngs

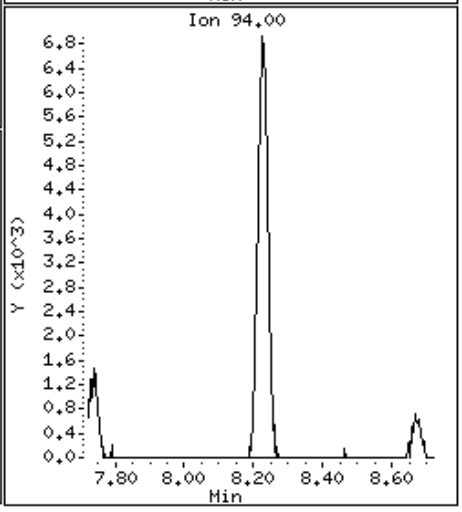


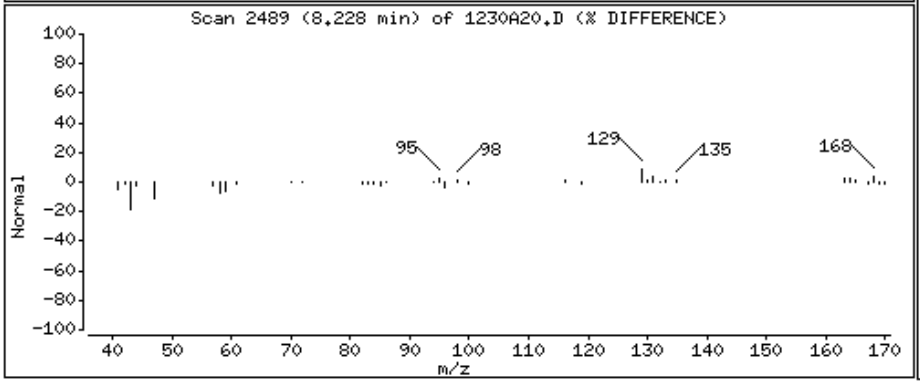












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

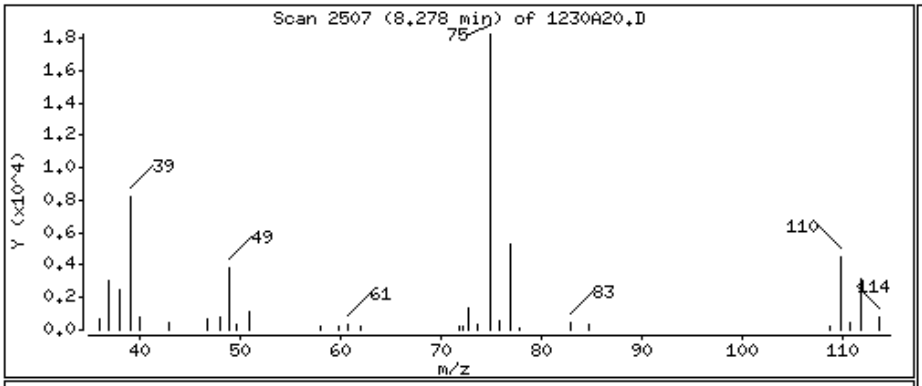
Operator: PK

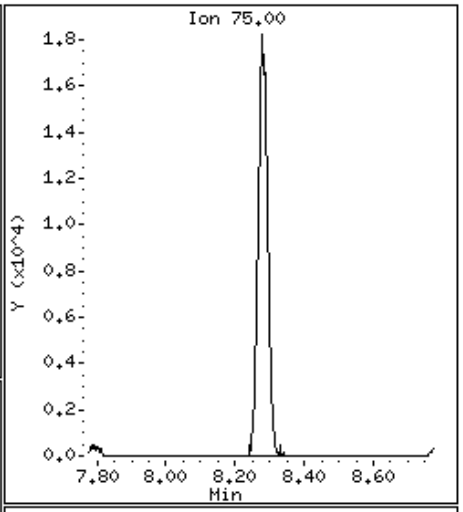
Column phase:

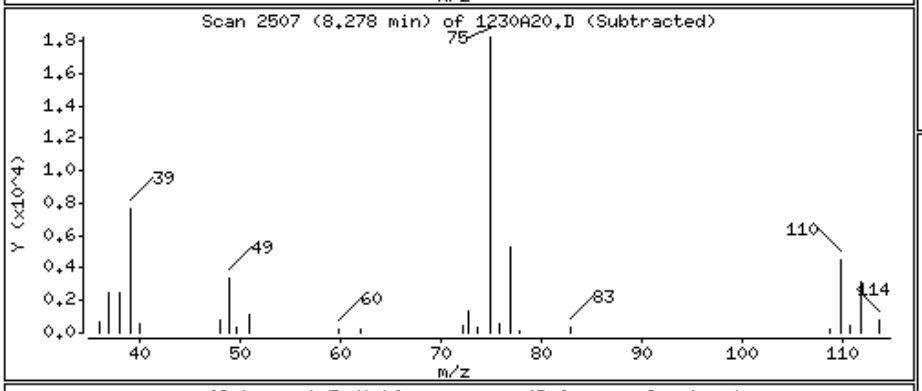
Column diameter: 0.18

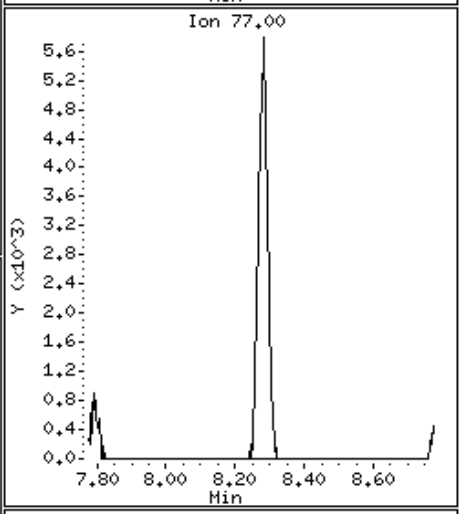
62 trans-1,3-dichloropropene

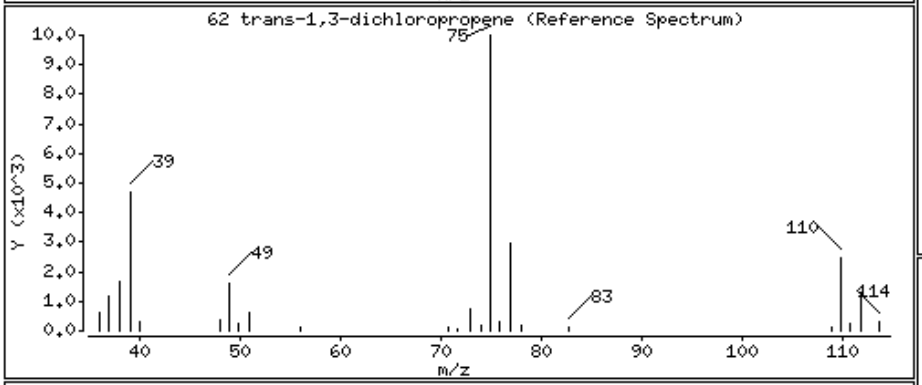
Concentration: 12.058 ngs

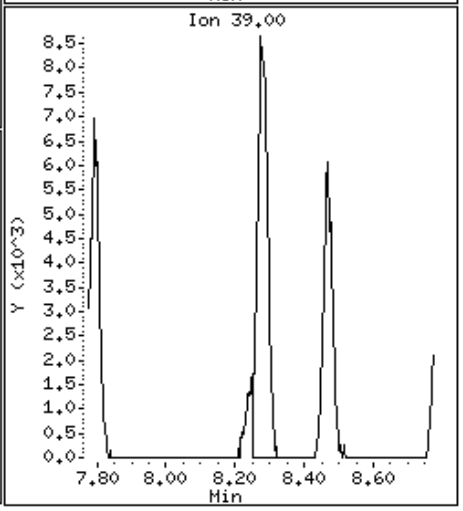


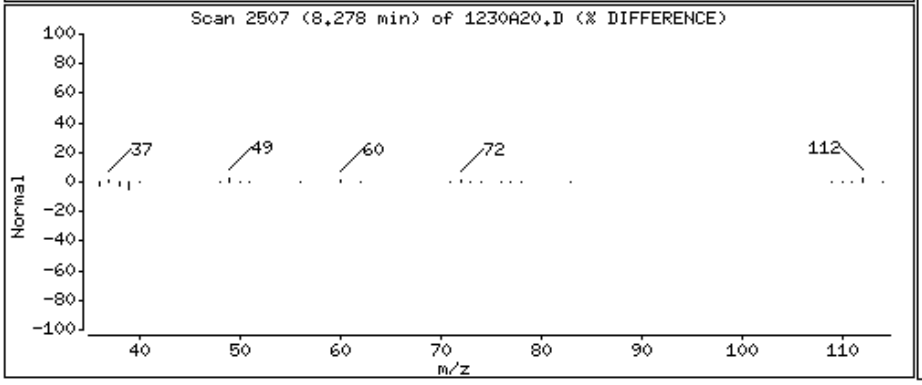












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

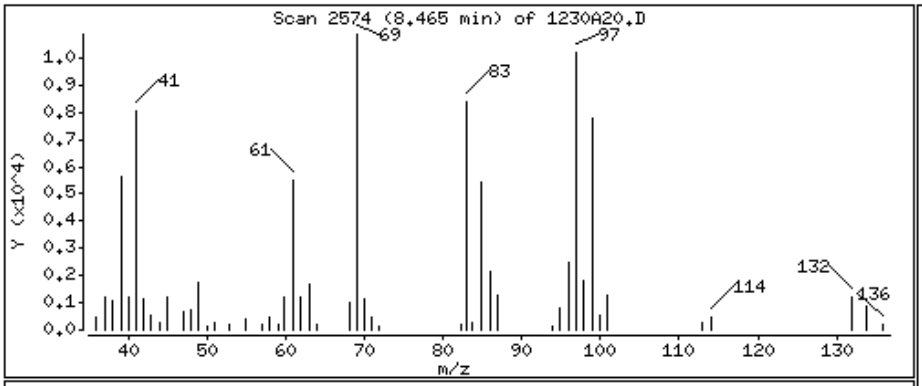
Operator: PK

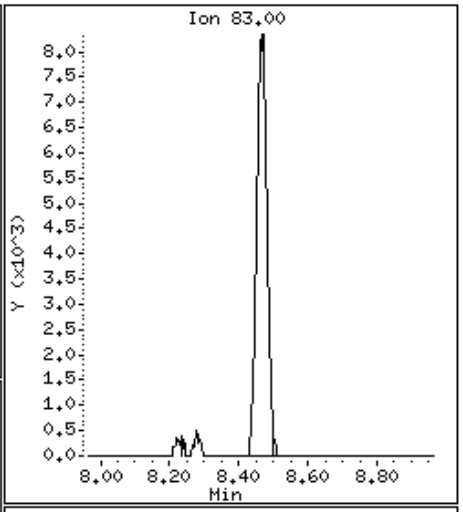
Column phase:

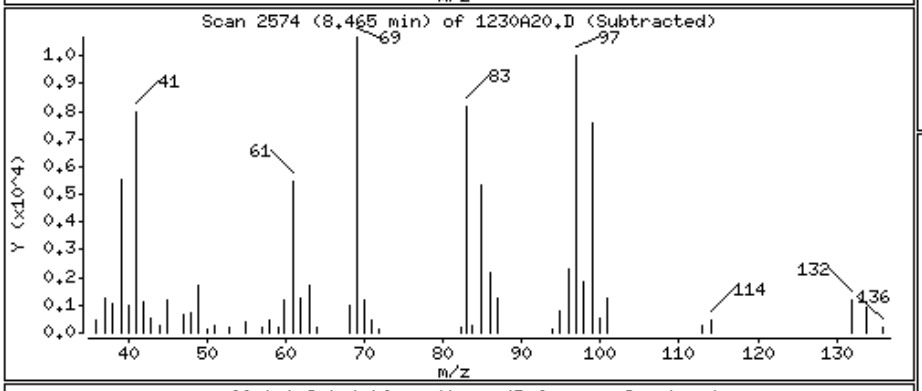
Column diameter: 0.18

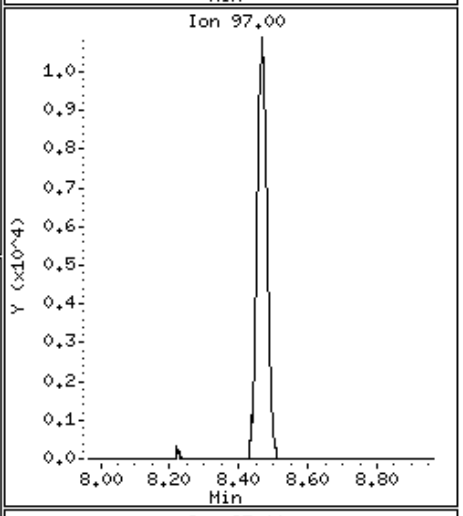
66 1,1,2-trichloroethane

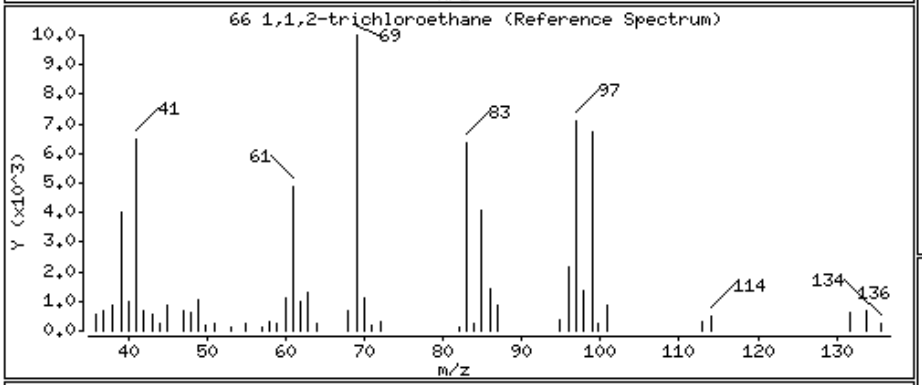
Concentration: 11.709 ngs

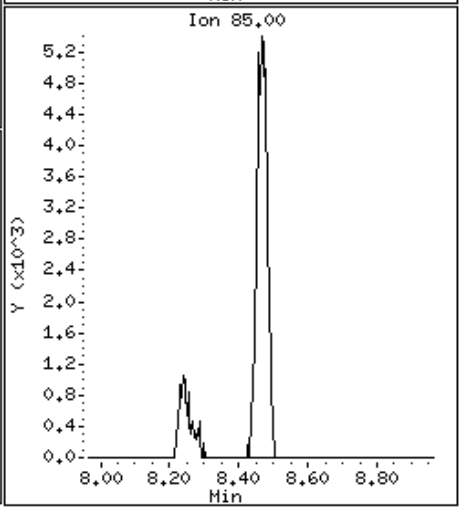


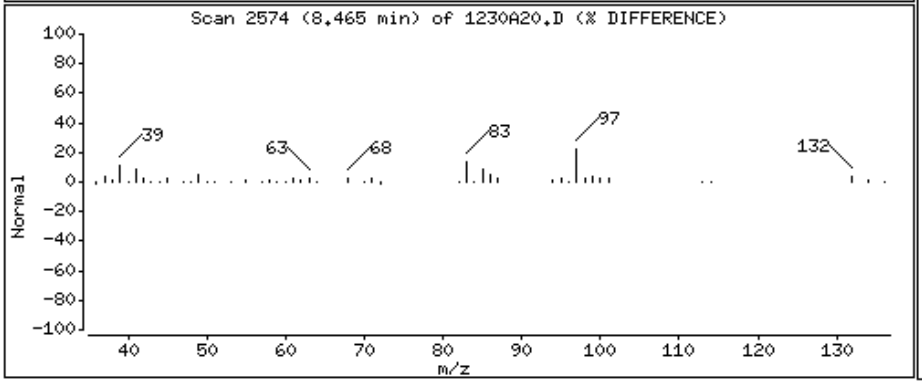












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

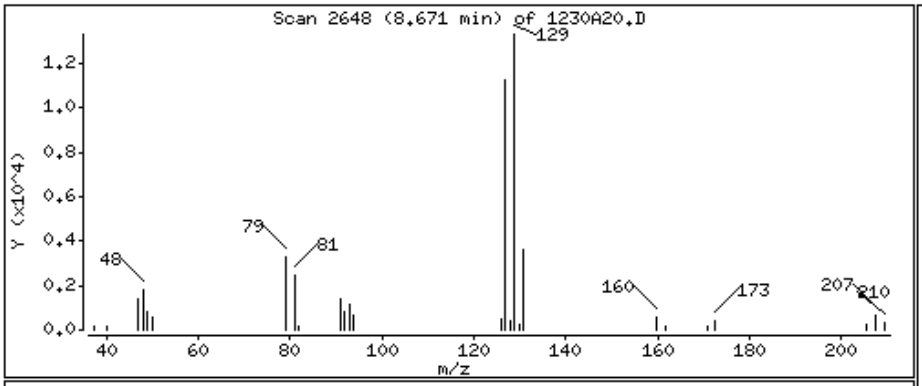
Operator: PK

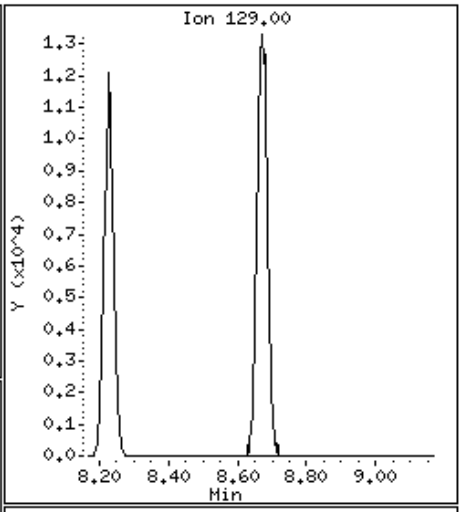
Column phase:

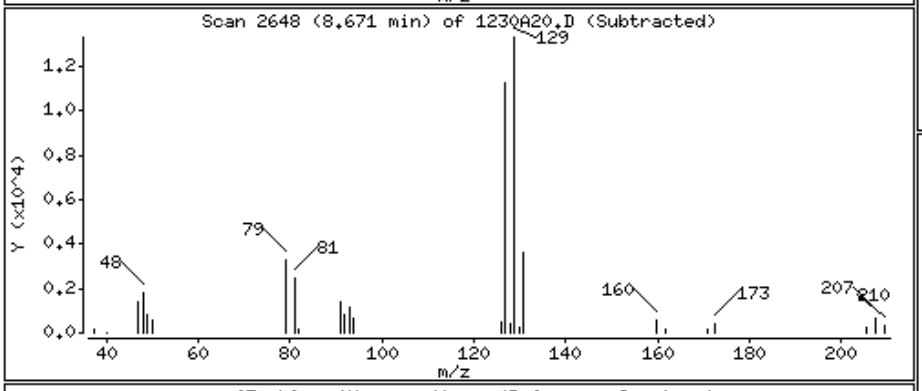
Column diameter: 0.18

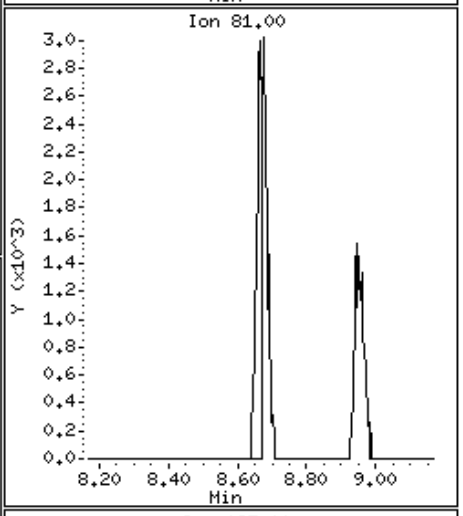
67 chlorodibromomethane

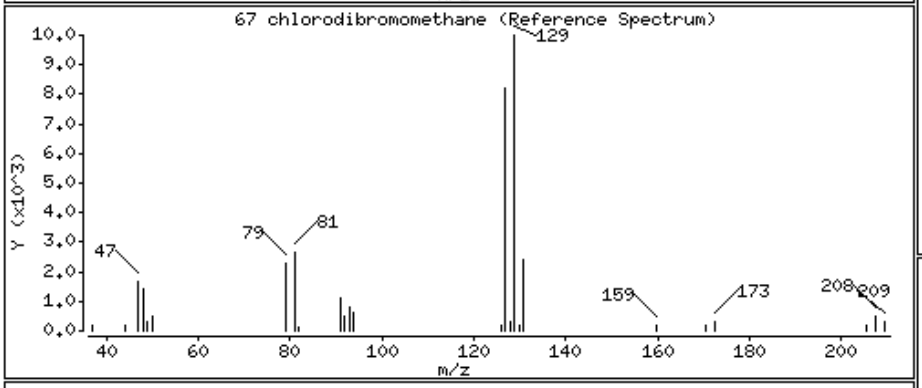
Concentration: 12.691 ngs

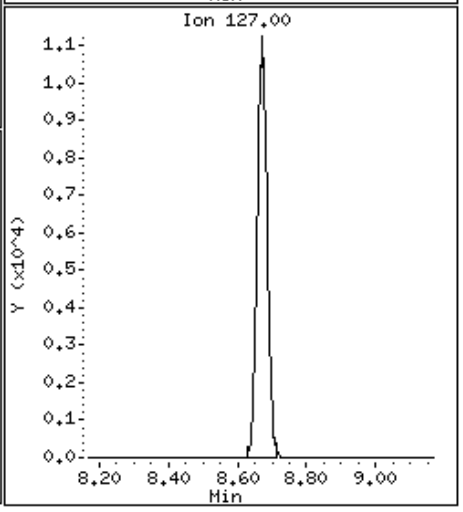


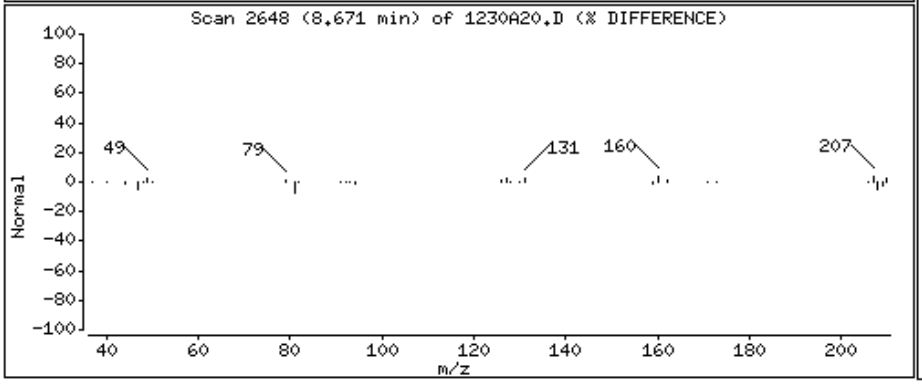












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

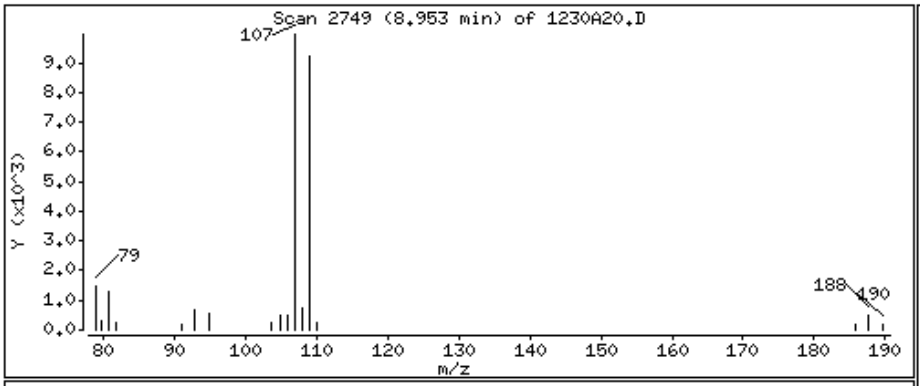
Operator: PK

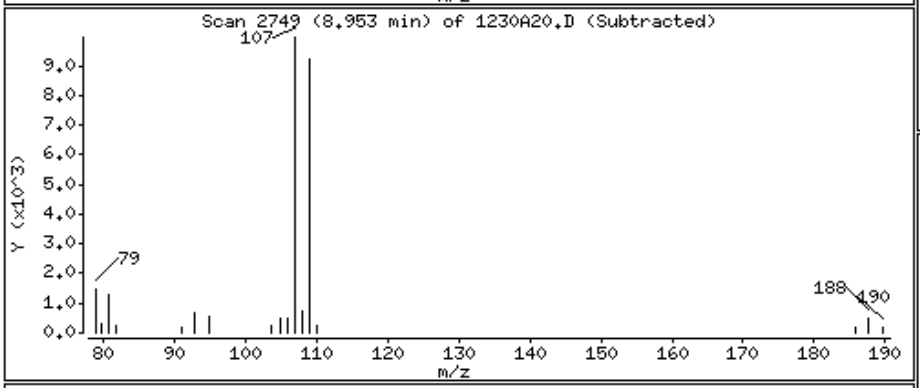
Column phase:

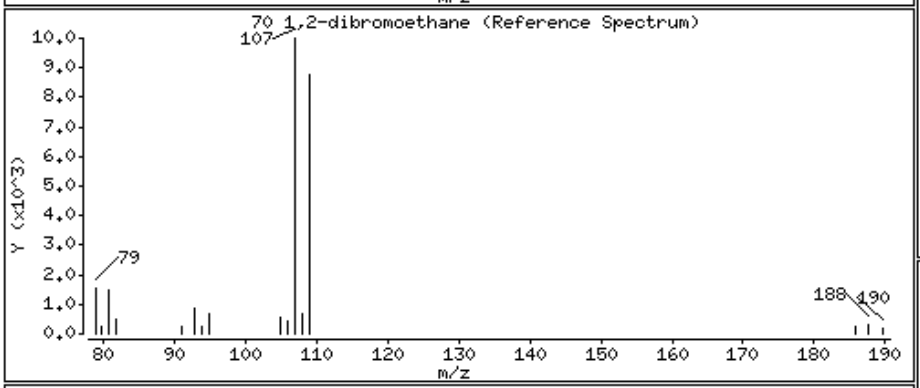
Column diameter: 0.18

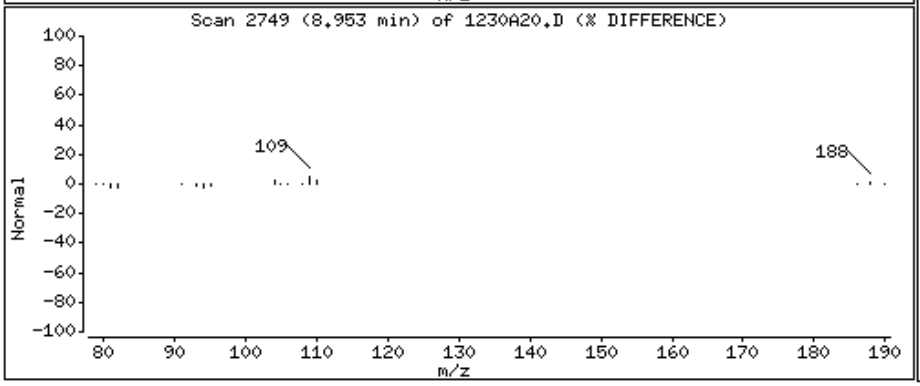
70 1,2-dibromoethane

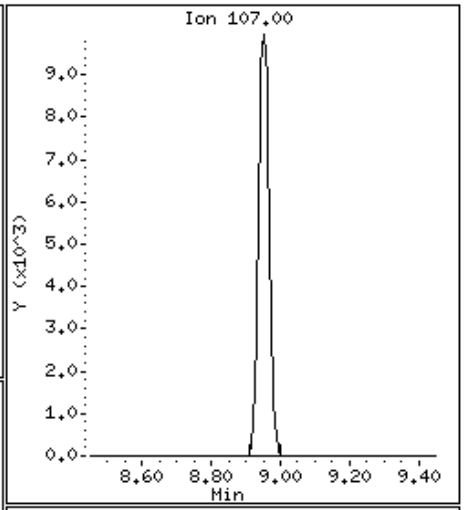
Concentration: 12.360 ngs

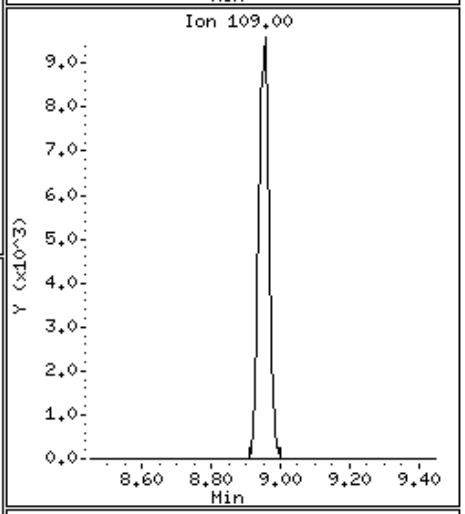


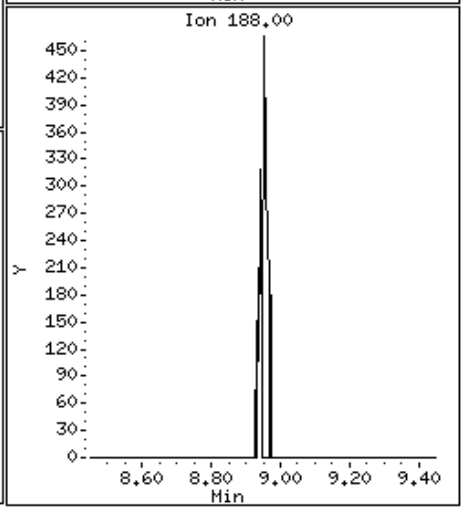












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

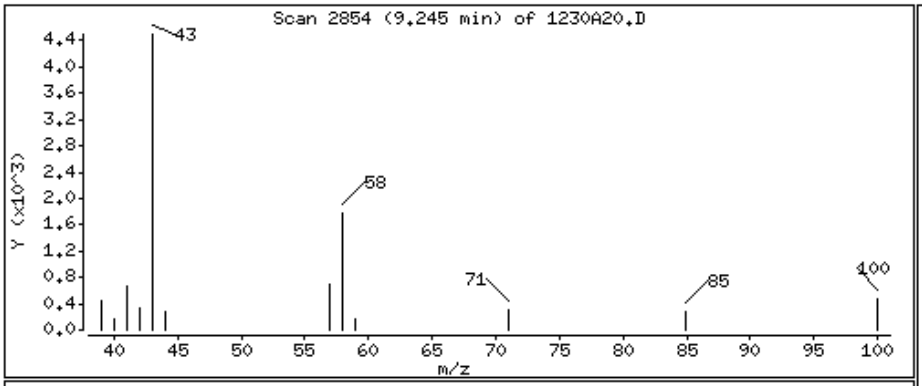
Operator: PK

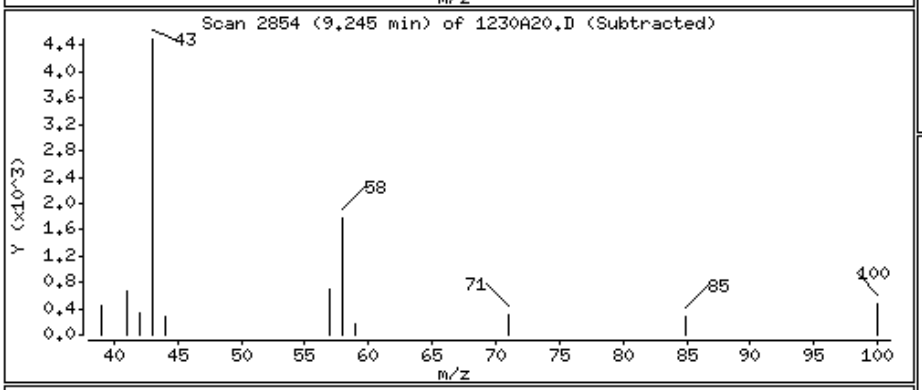
Column phase:

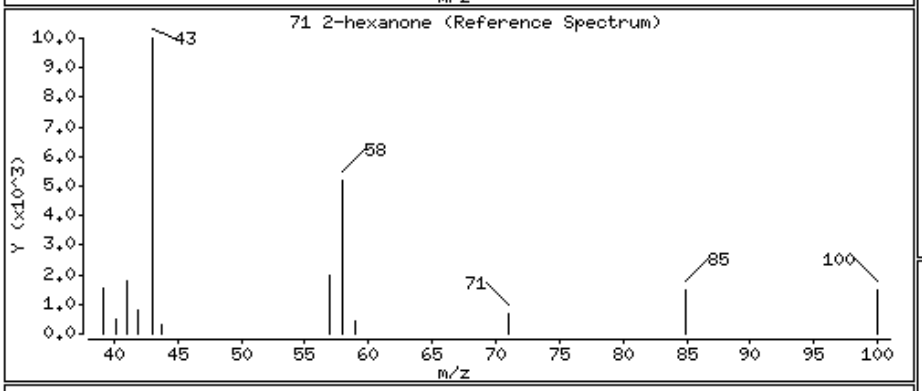
Column diameter: 0.18

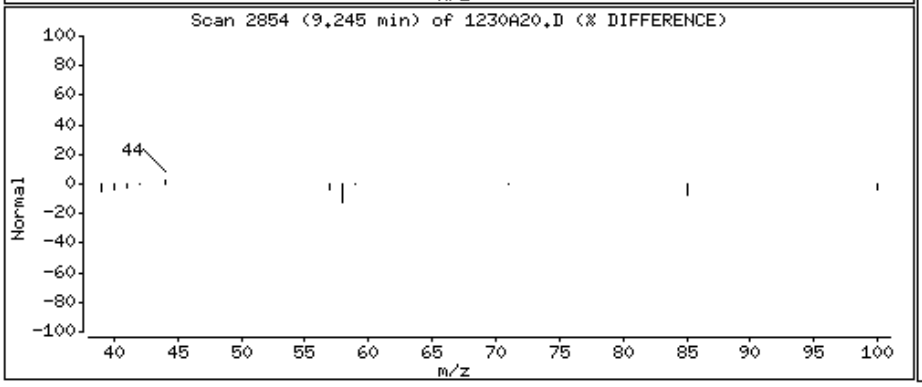
71 2-hexanone

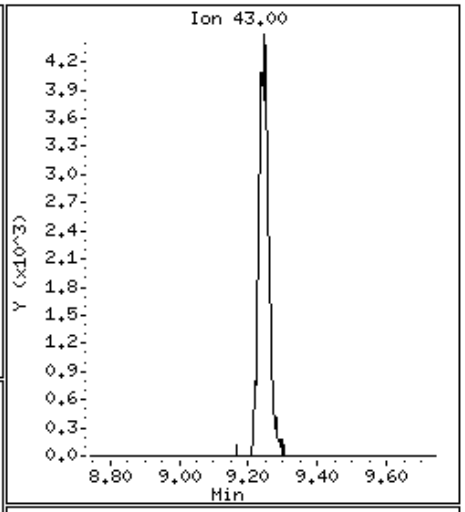
Concentration: 10.089 ngs

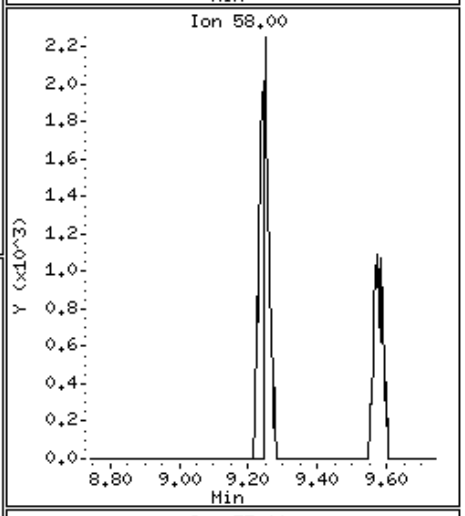


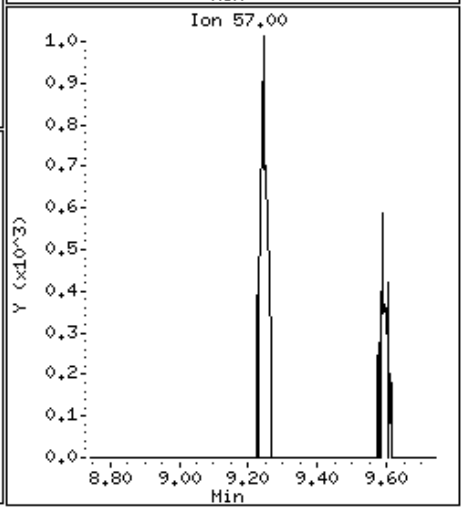












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

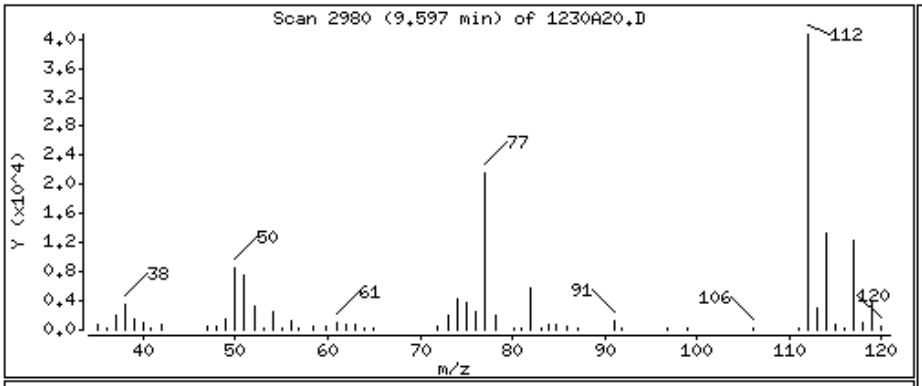
Operator: PK

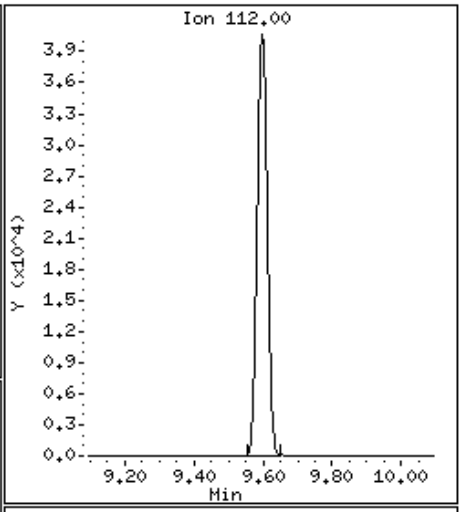
Column phase:

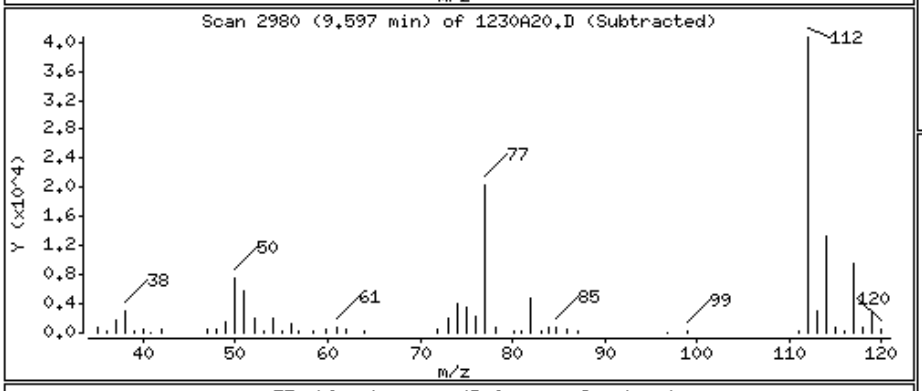
Column diameter: 0.18

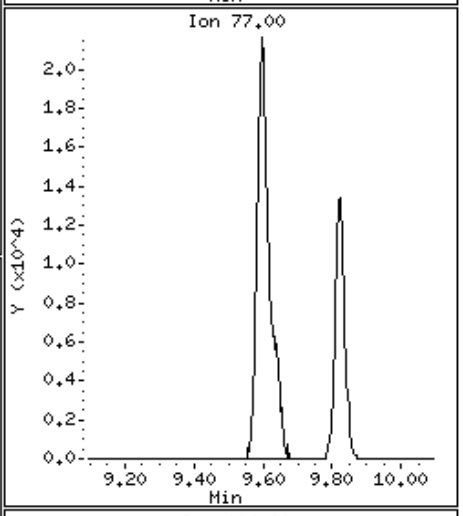
73 chlorobenzene

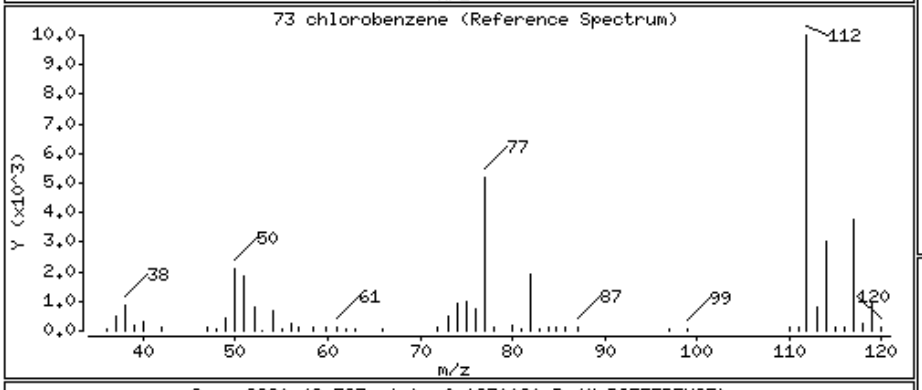
Concentration: 12.453 ngs

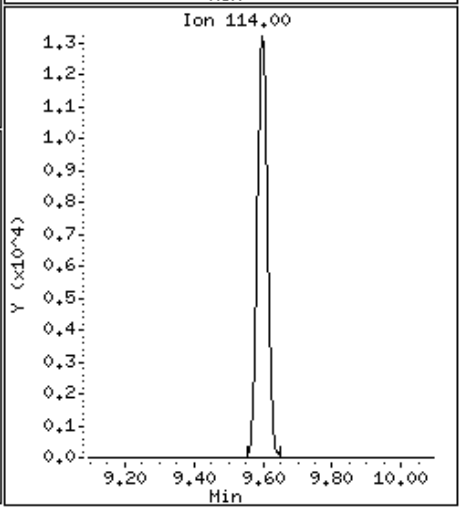


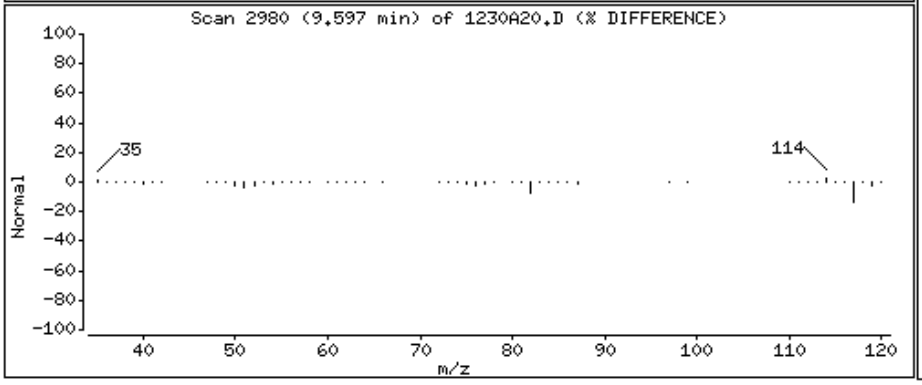












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

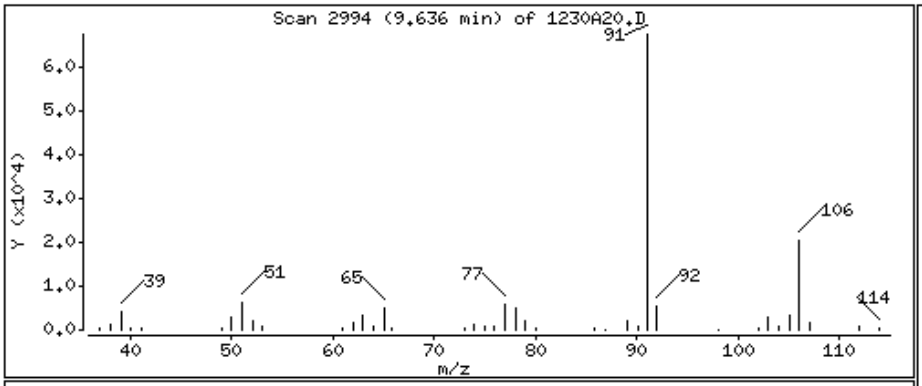
Operator: PK

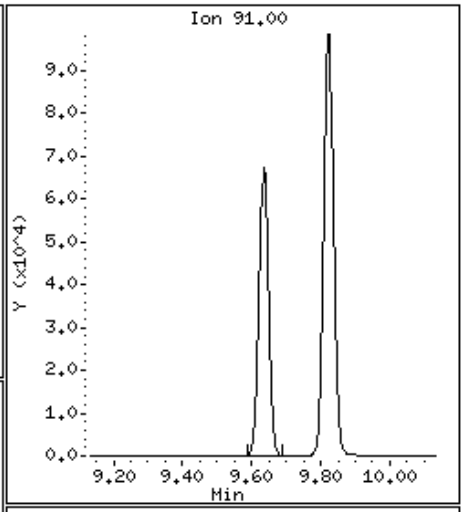
Column phase:

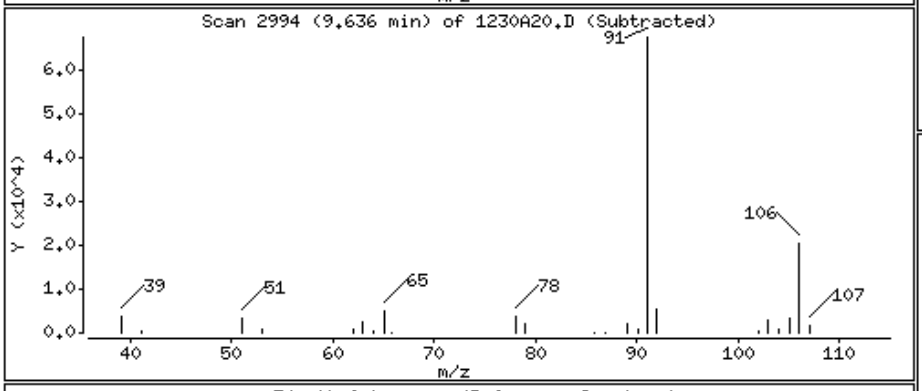
Column diameter: 0.18

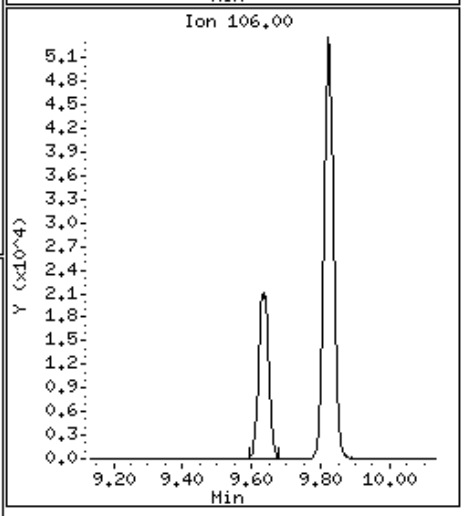
74 ethyl benzene

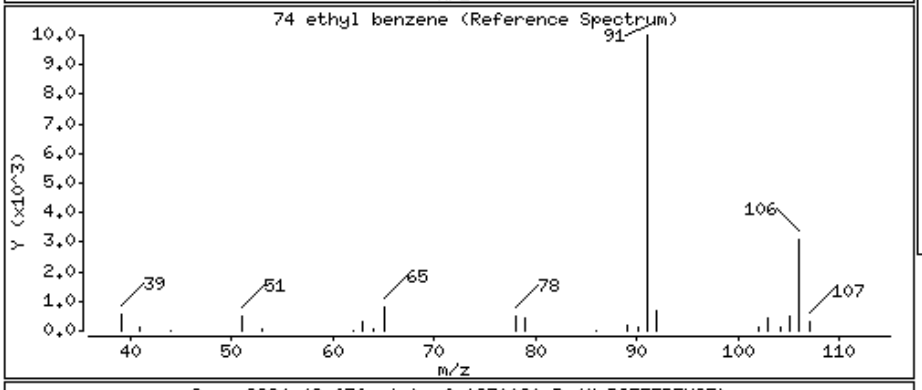
Concentration: 11.826 ngs

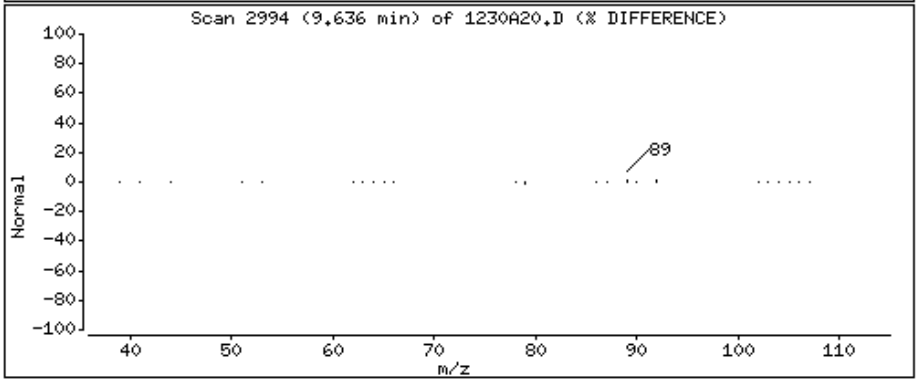












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

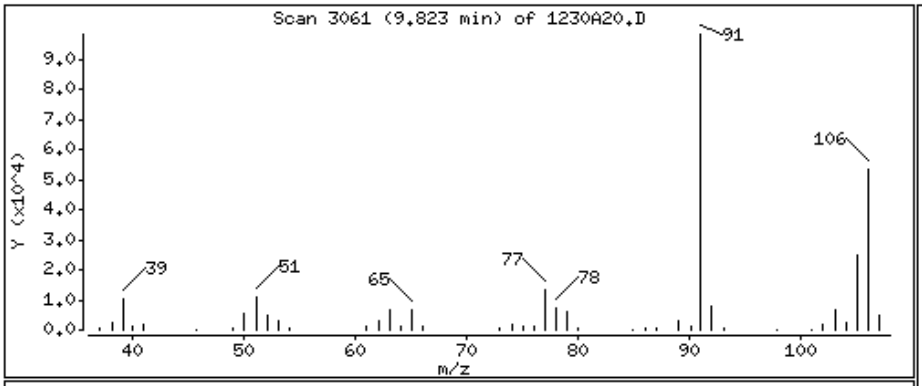
Operator: PK

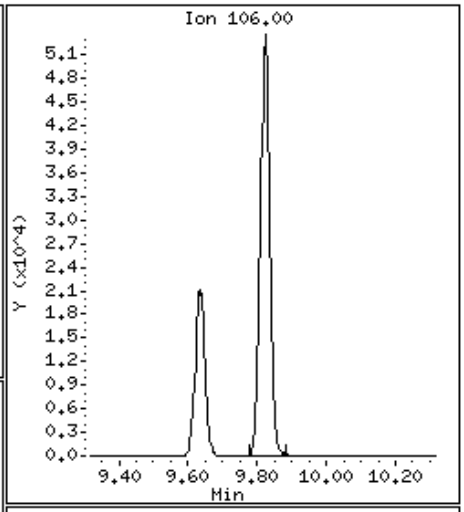
Column phase:

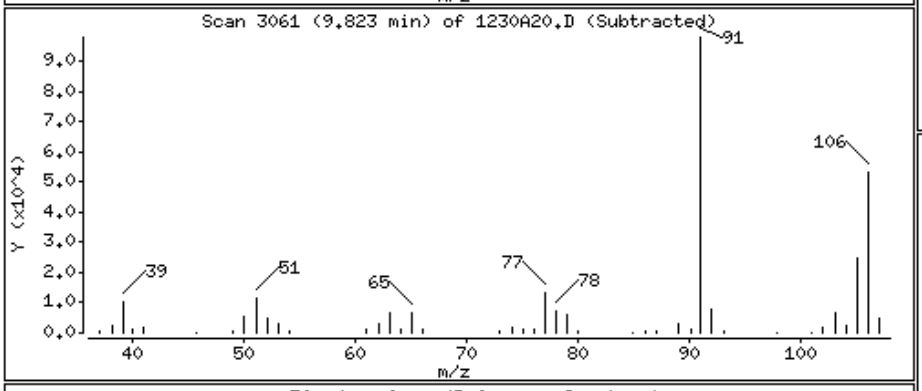
Column diameter: 0.18

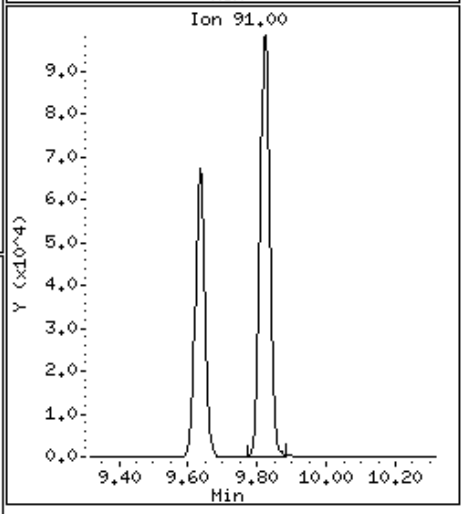
76 p/m xylene

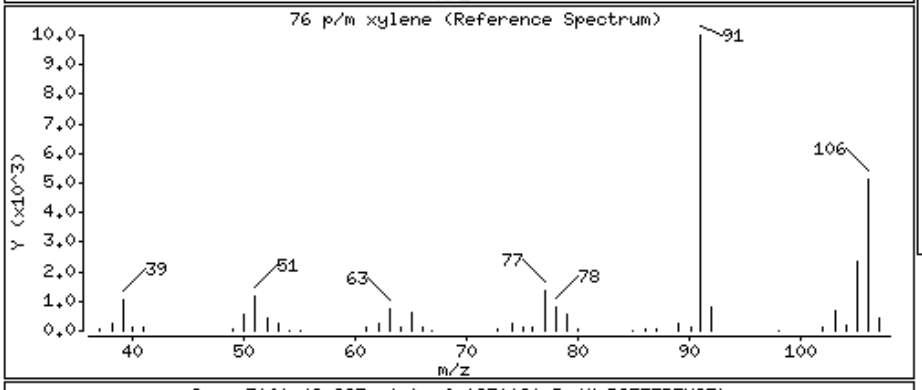
Concentration: 22.463 ngs

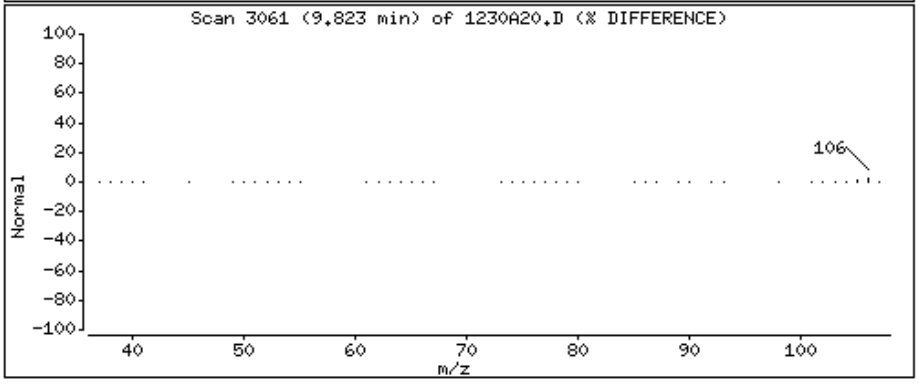












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

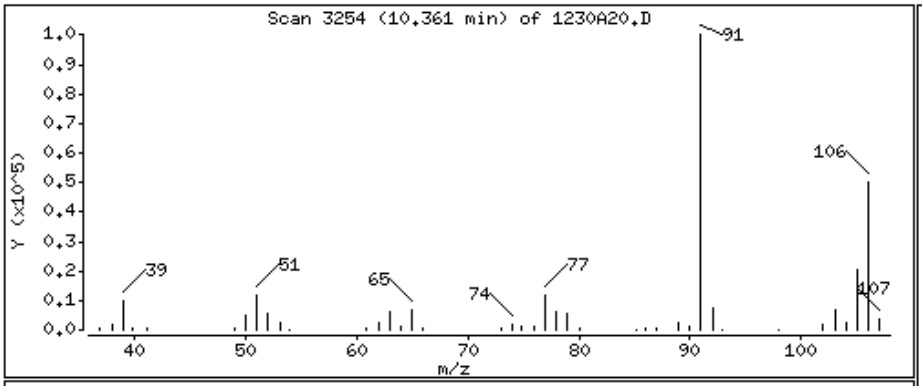
Operator: PK

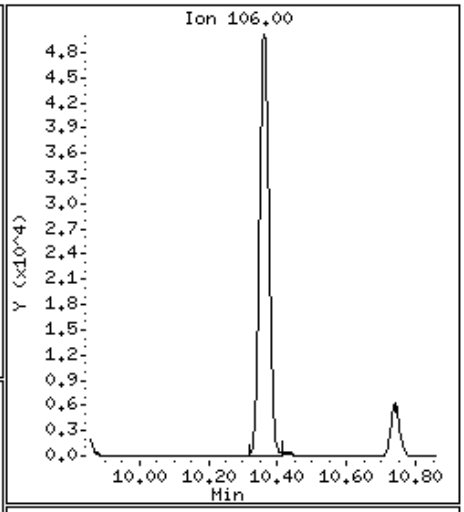
Column phase:

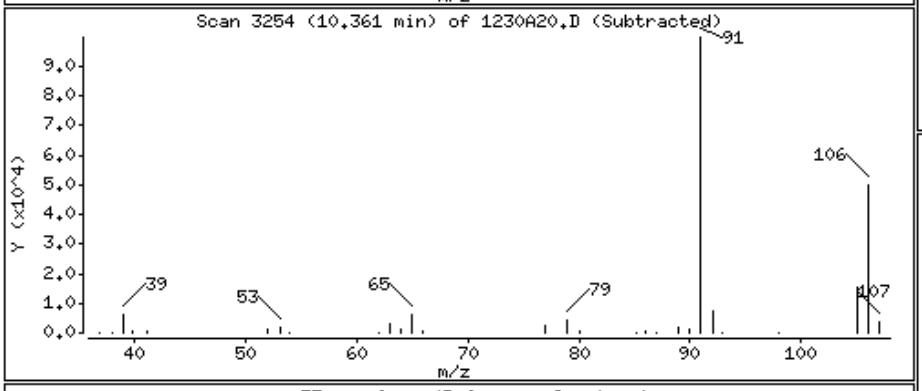
Column diameter: 0.18

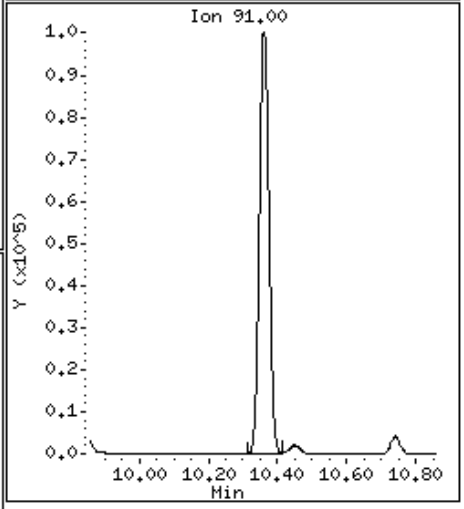
77 o xylene

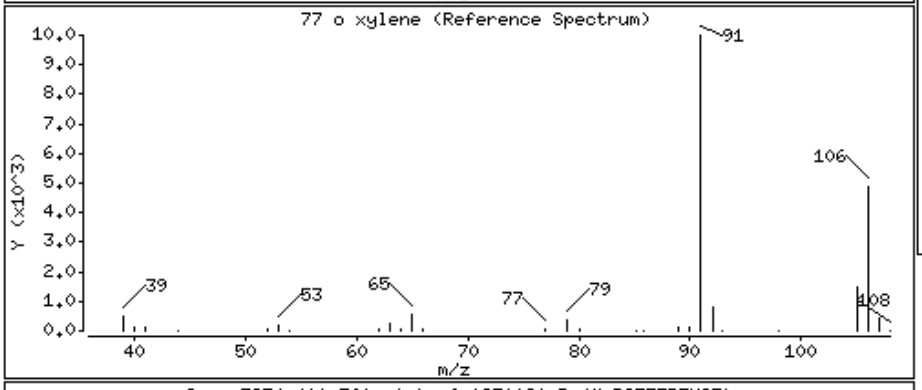
Concentration: 21.071 ngs

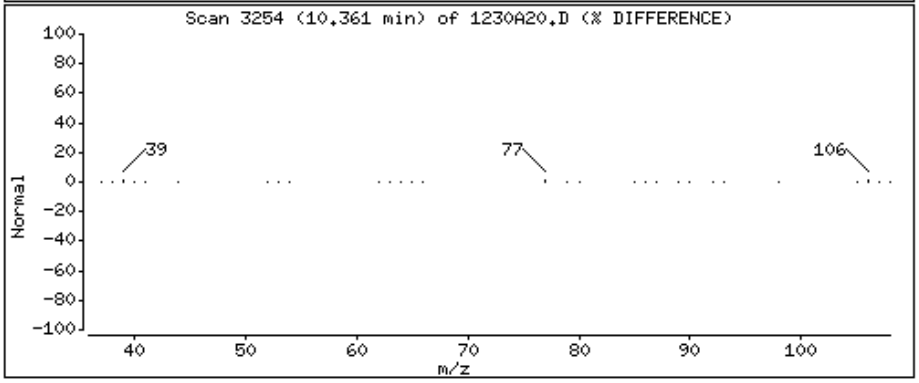












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

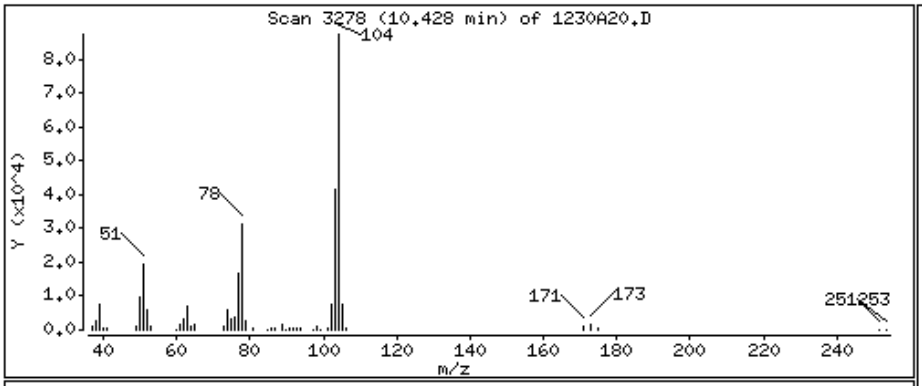
Operator: PK

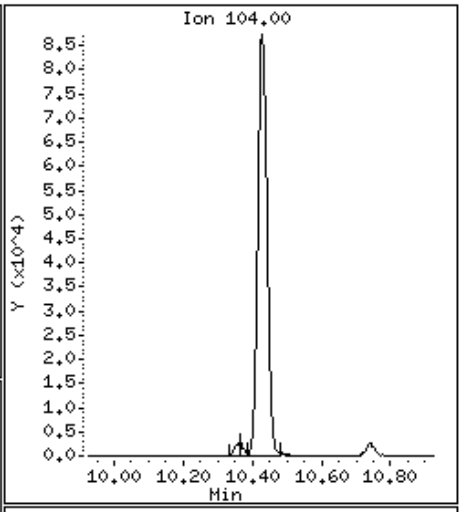
Column phase:

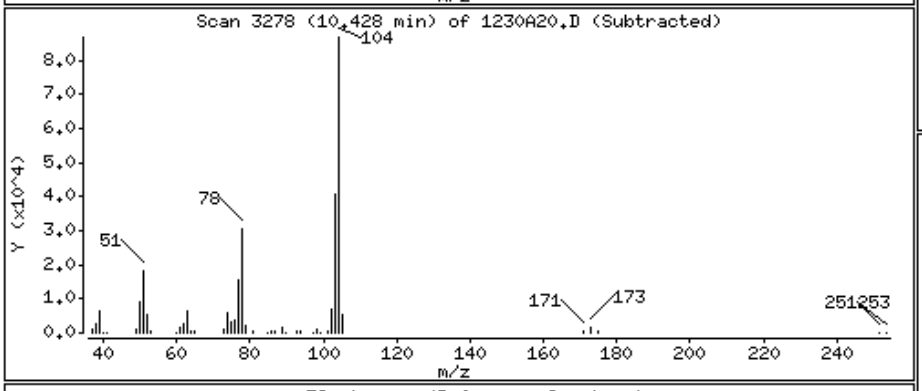
Column diameter: 0.18

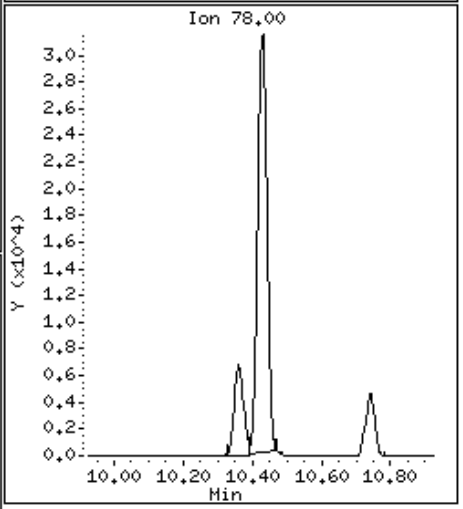
78 styrene

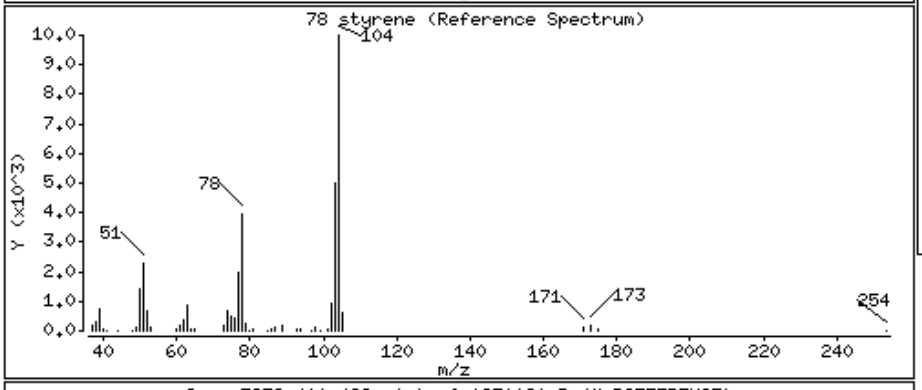
Concentration: 22.056 ngs

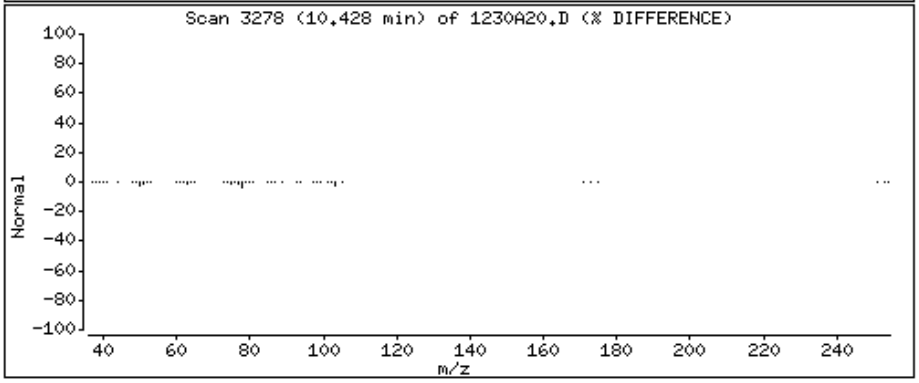












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

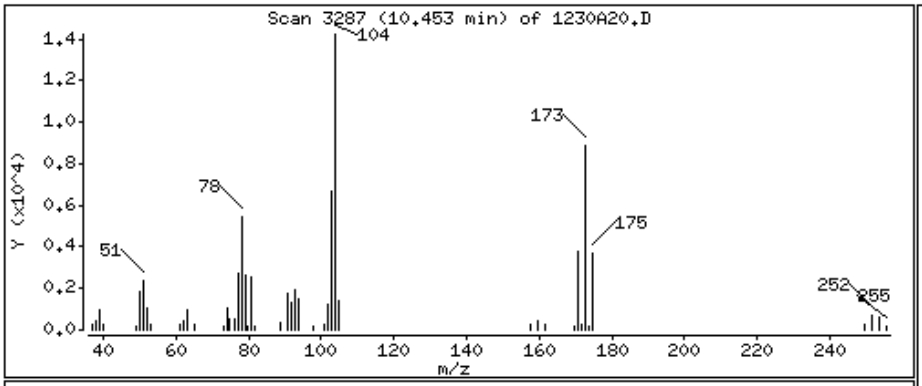
Operator: PK

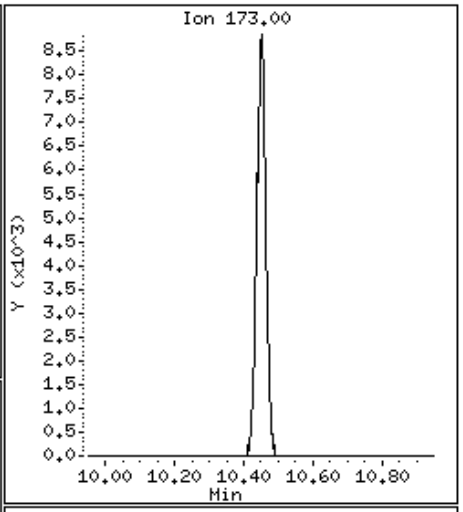
Column phase:

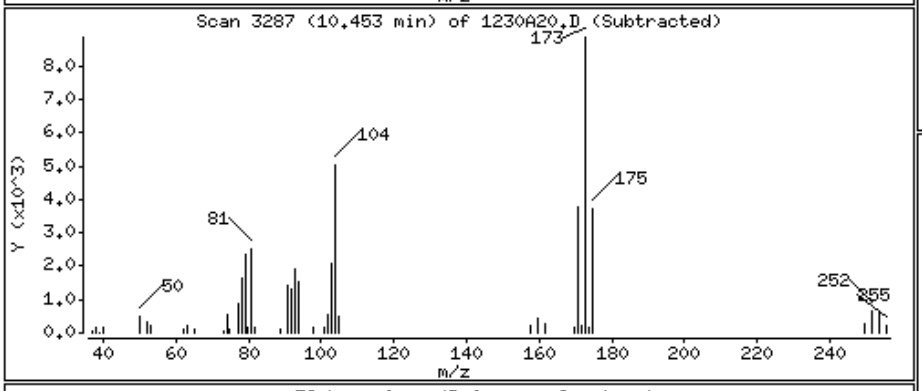
Column diameter: 0.18

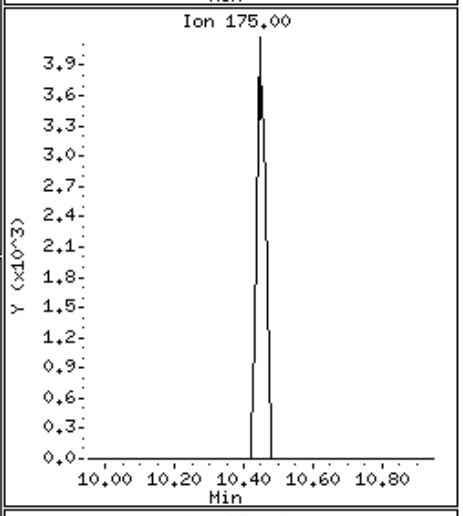
79 bromoform

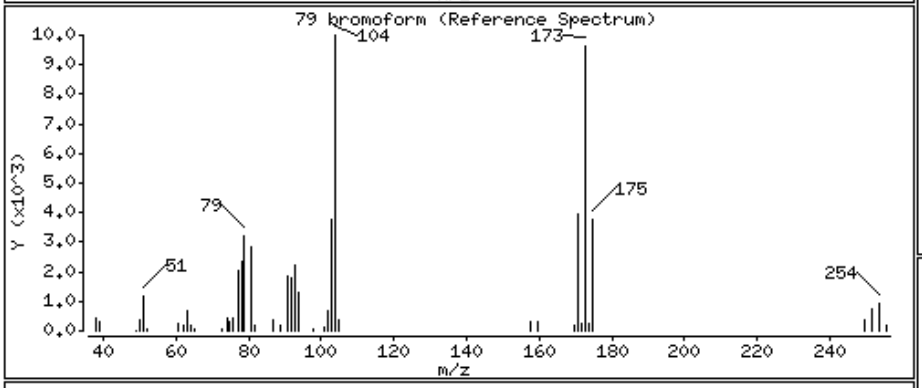
Concentration: 10.988 ngs

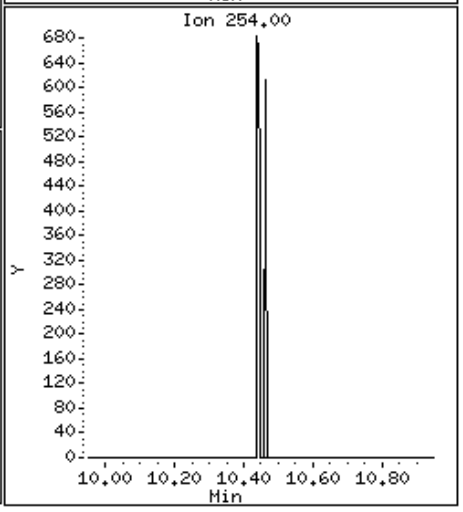


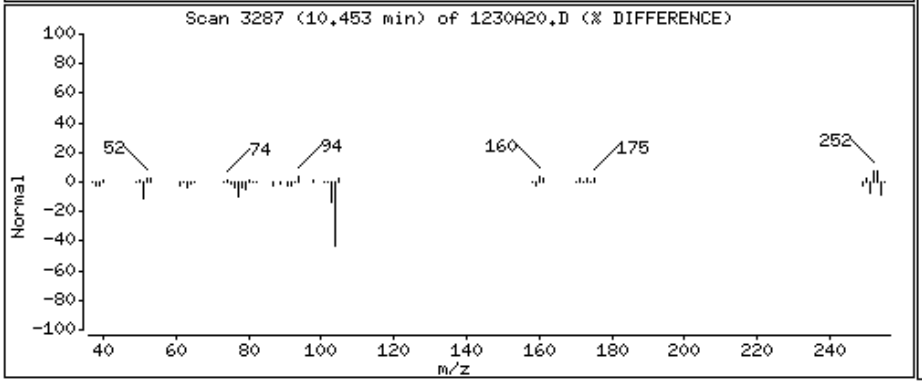












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

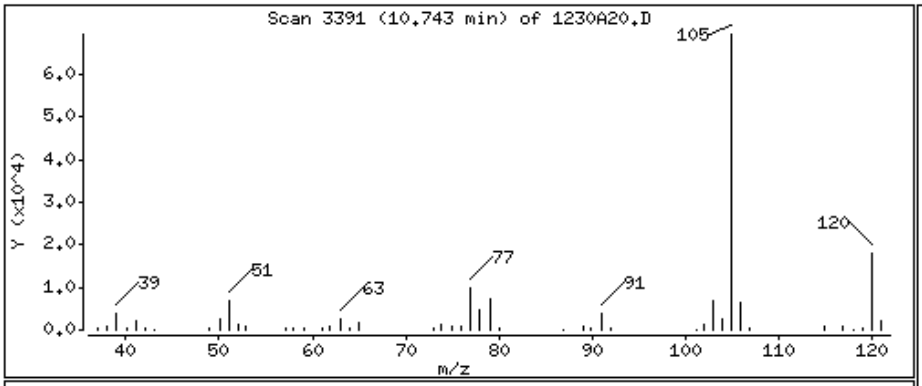
Operator: PK

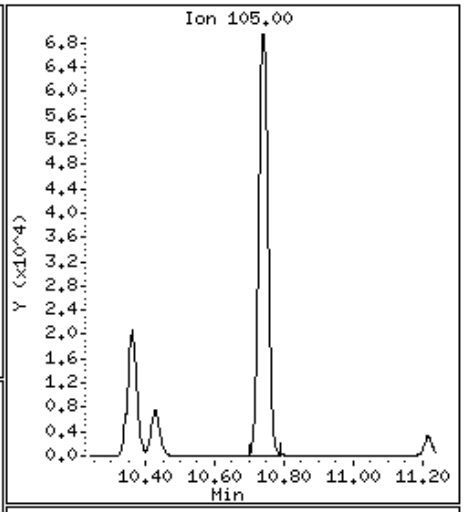
Column phase:

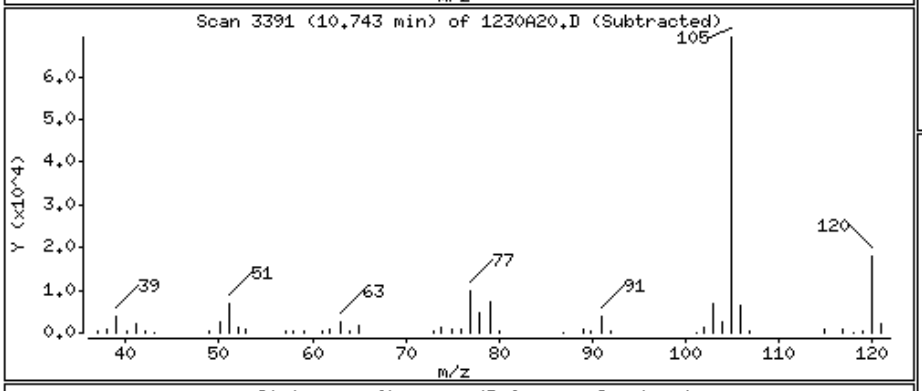
Column diameter: 0.18

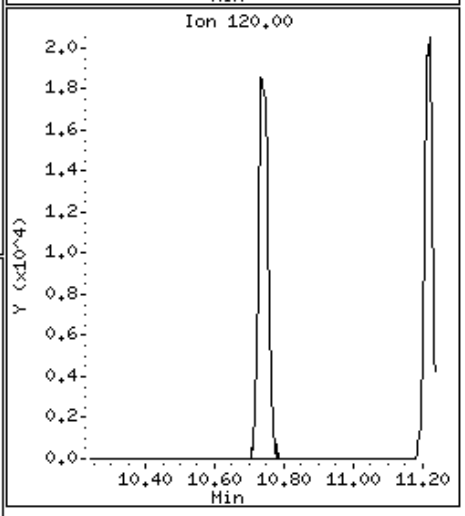
80 isopropylbenzene

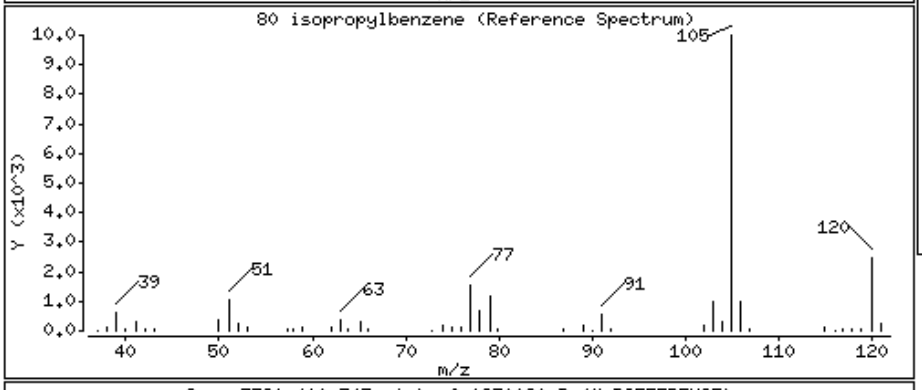
Concentration: 11.865 ngs

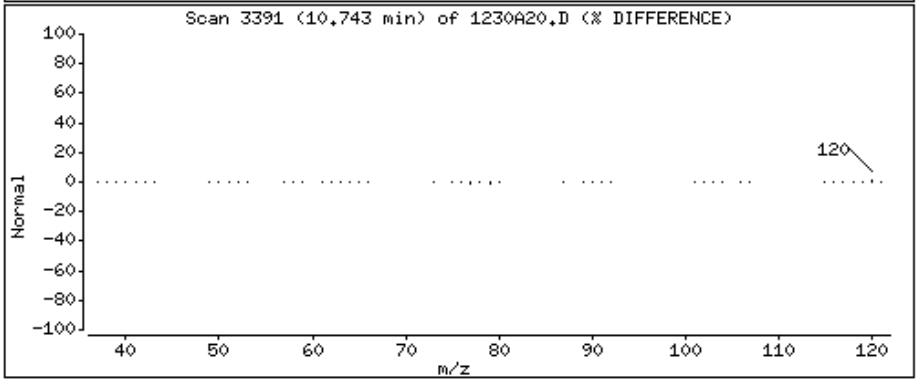












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

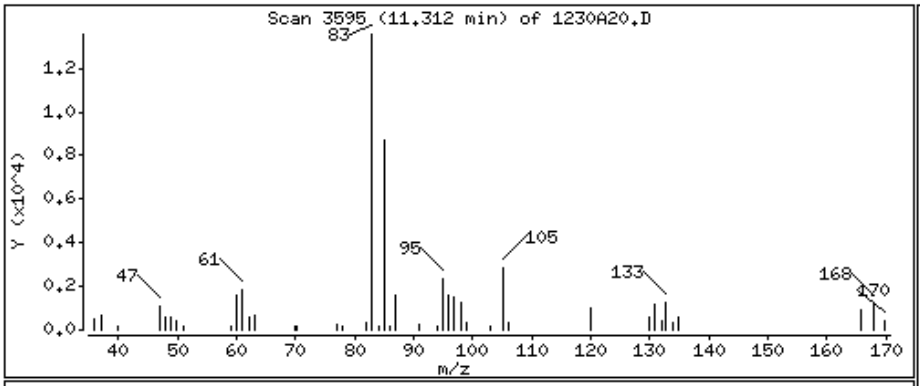
Operator: PK

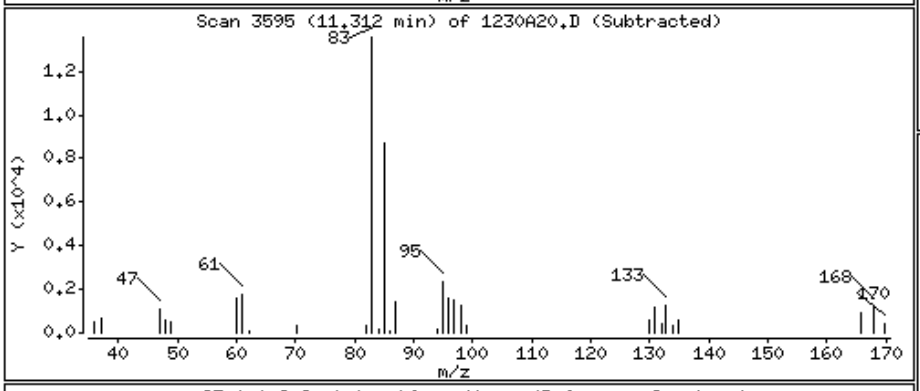
Column phase:

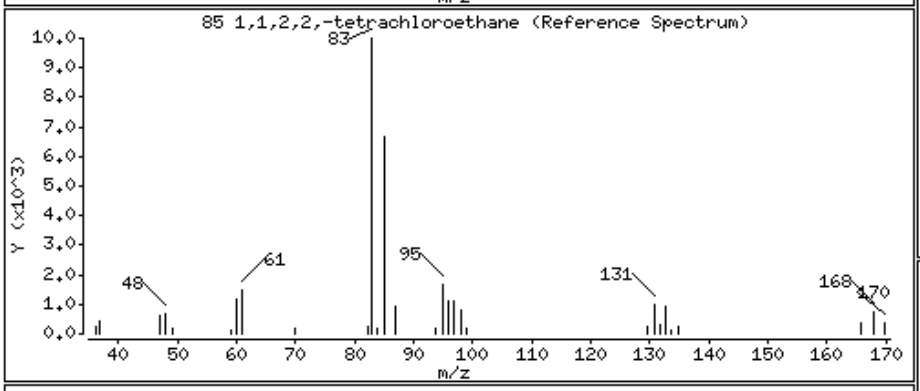
Column diameter: 0.18

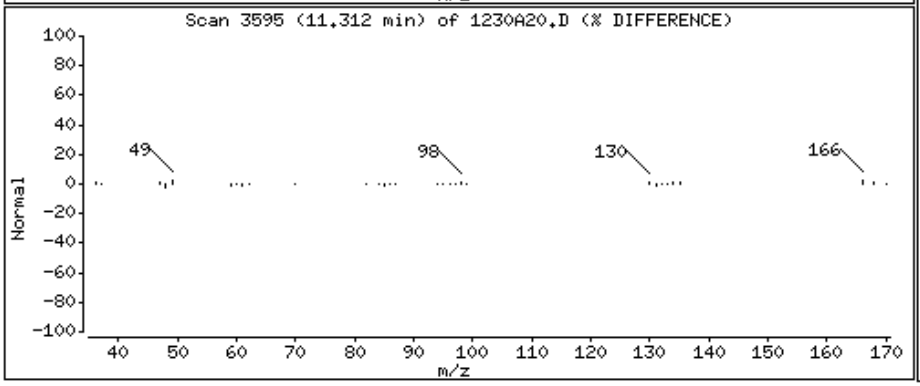
85 1,1,2,2,-tetrachloroethane

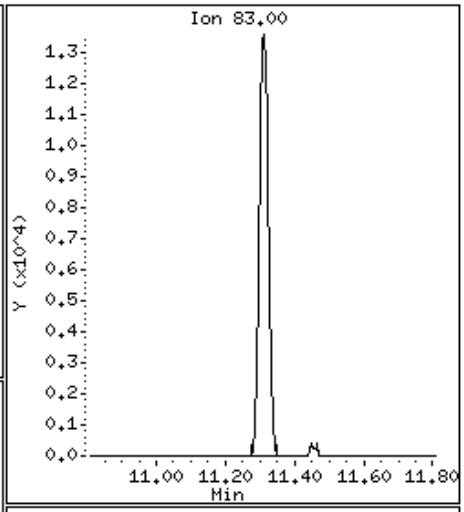
Concentration: 12.332 ngs

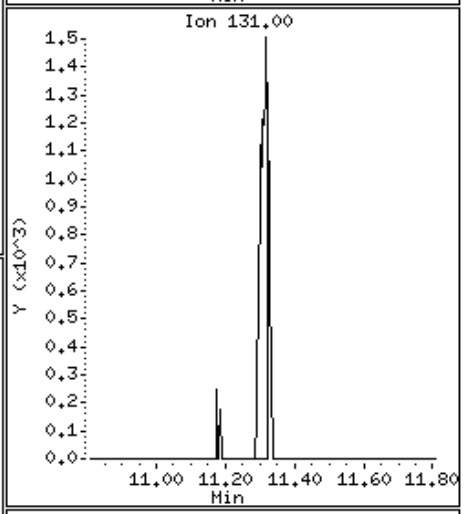


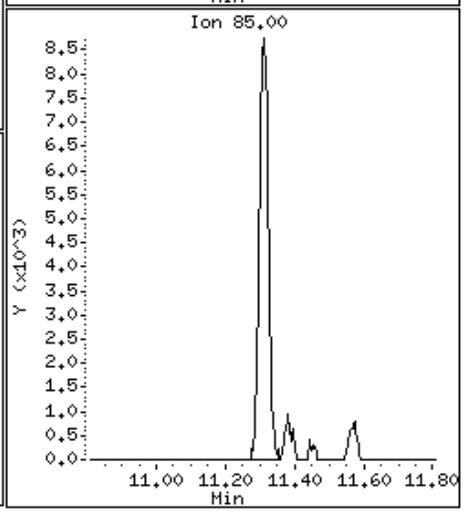












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

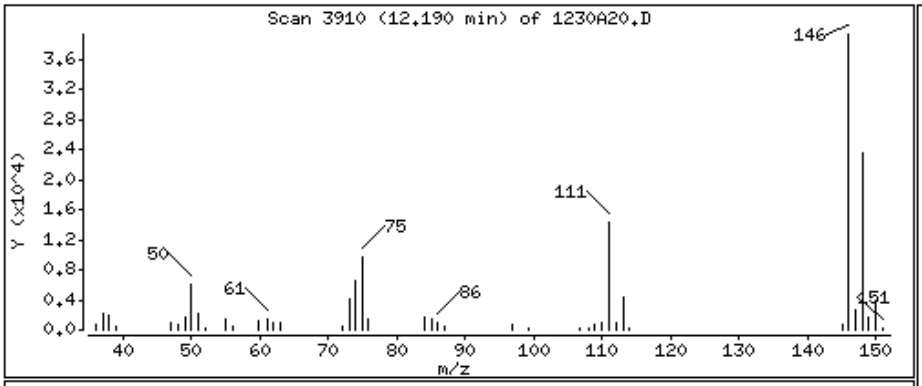
Operator: PK

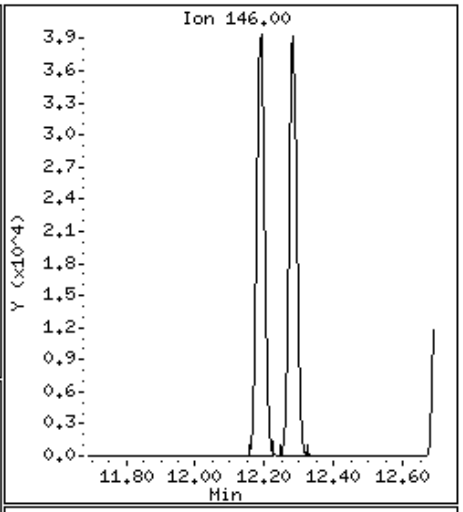
Column phase:

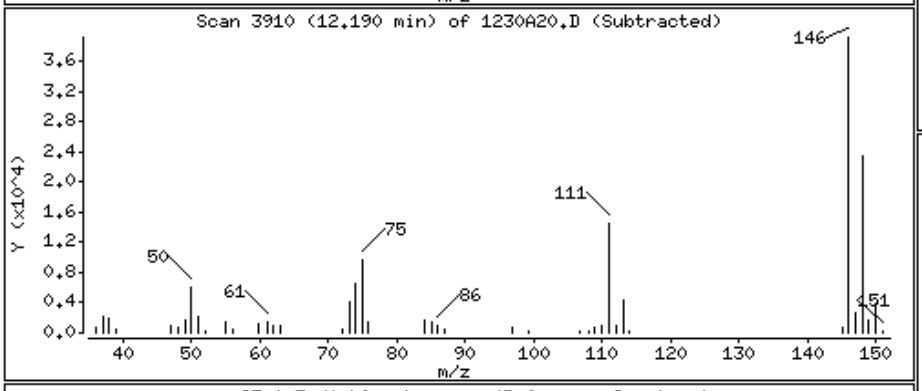
Column diameter: 0.18

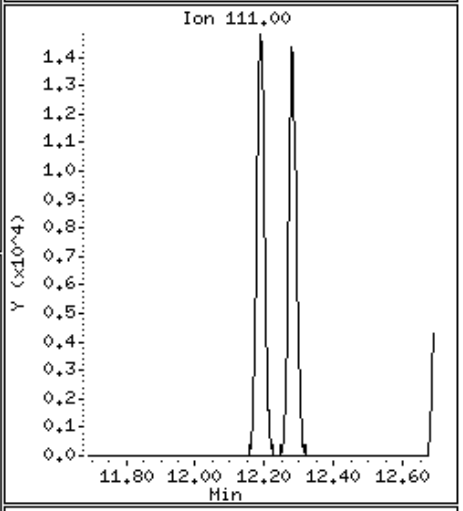
97 1,3-dichlorobenzene

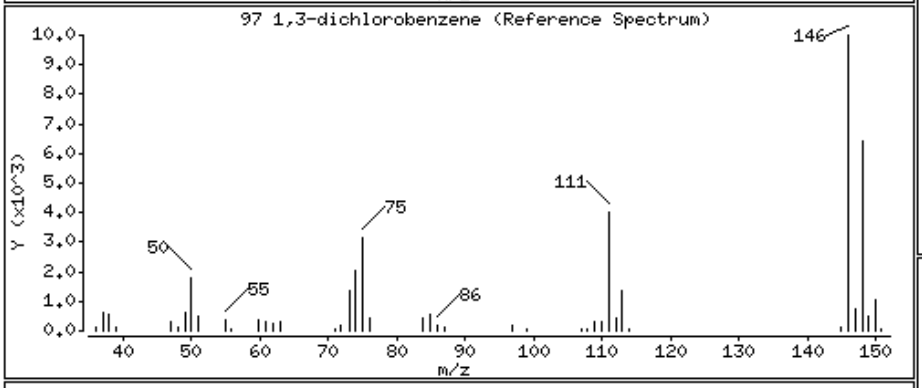
Concentration: 12.095 ngs

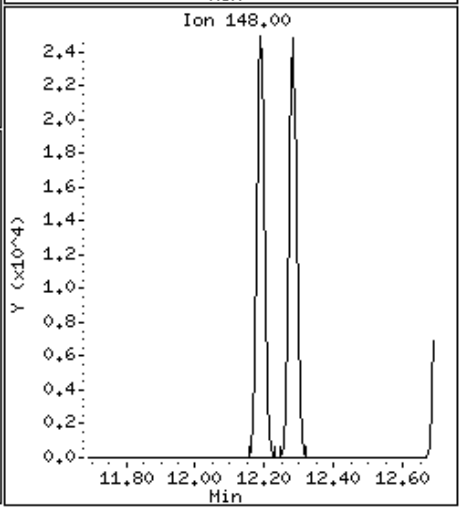


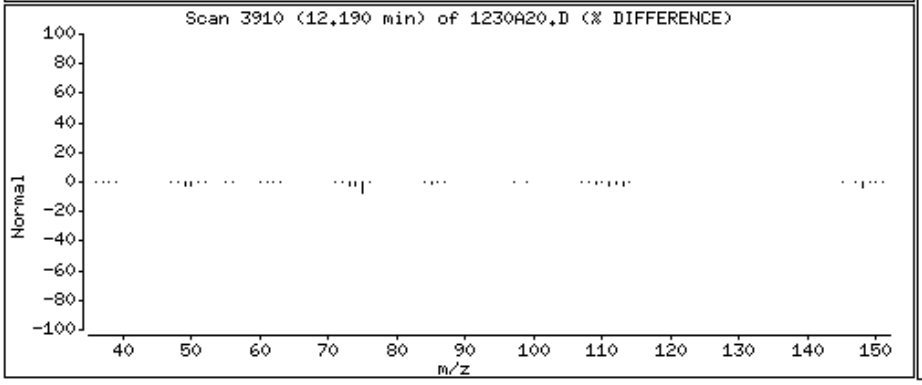












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

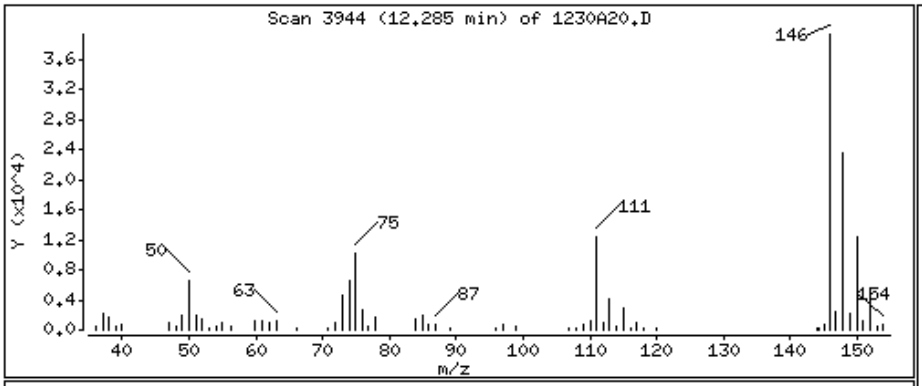
Operator: PK

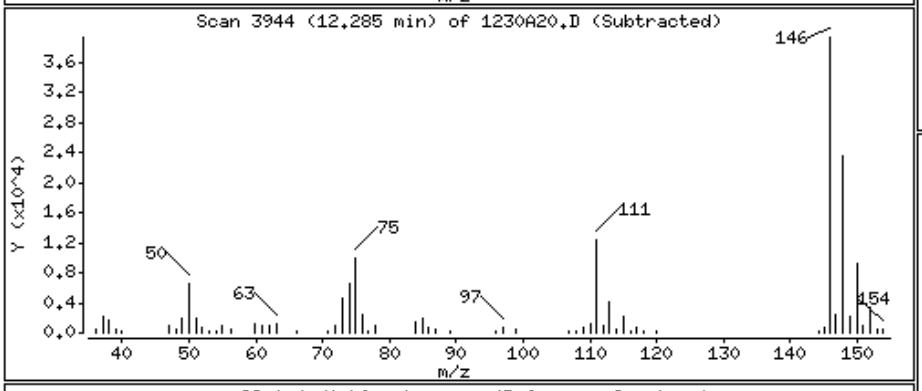
Column phase:

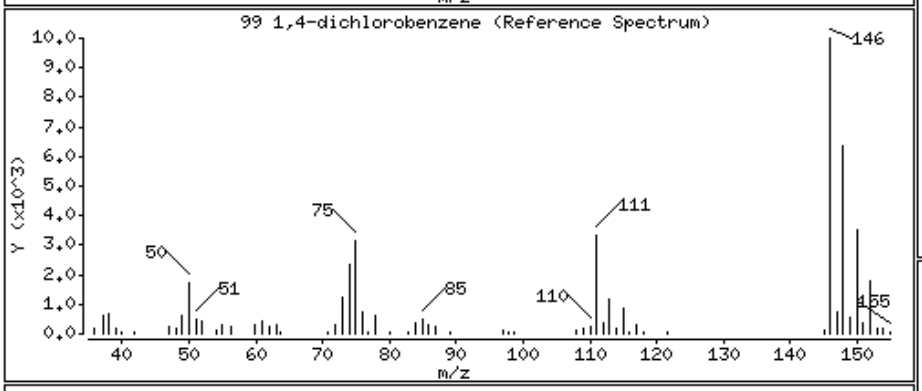
Column diameter: 0.18

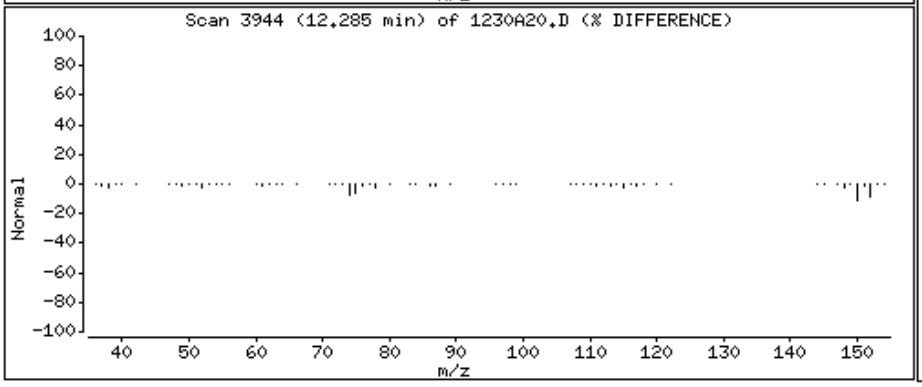
99 1,4-dichlorobenzene

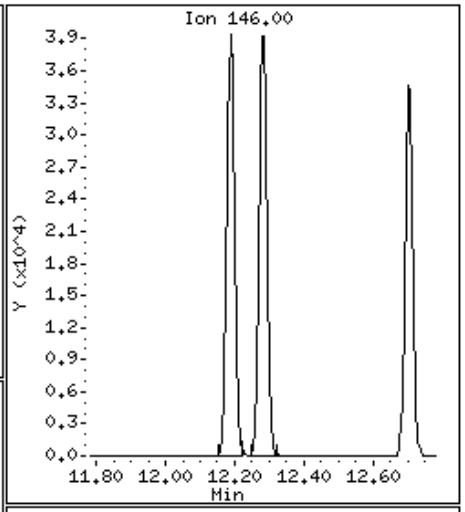
Concentration: 11.907 ngs

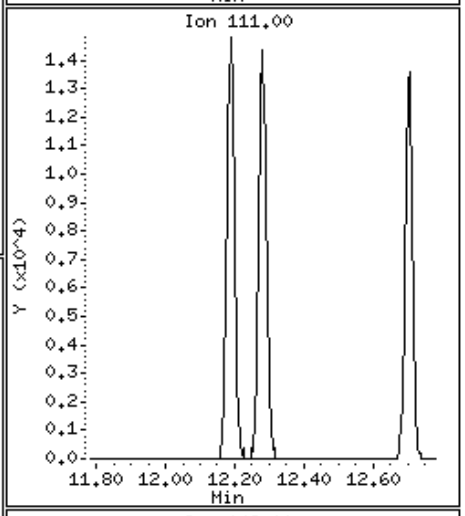


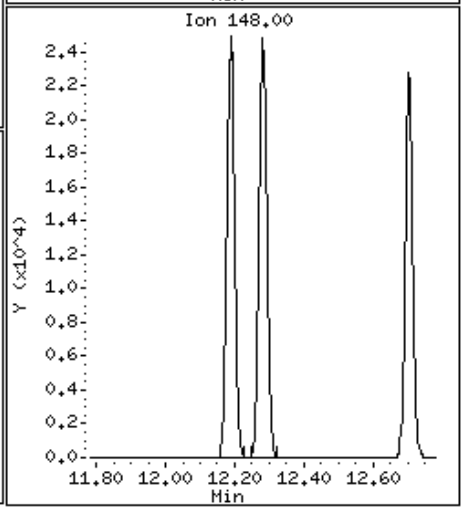












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

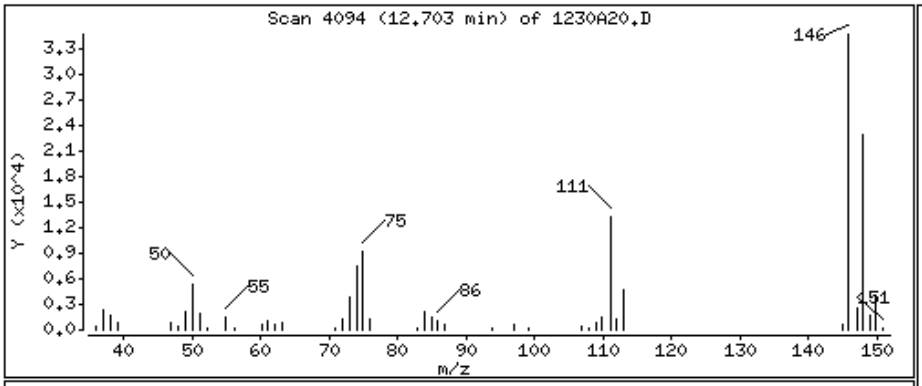
Operator: PK

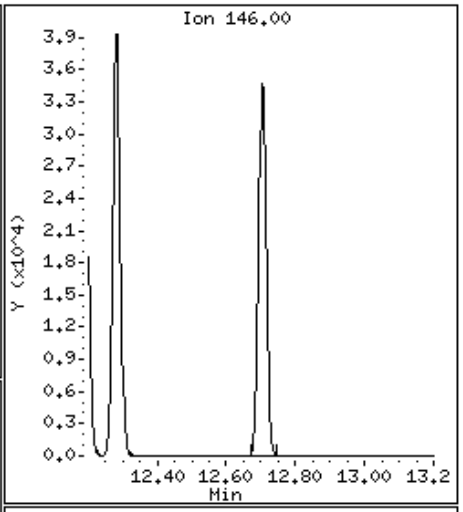
Column phase:

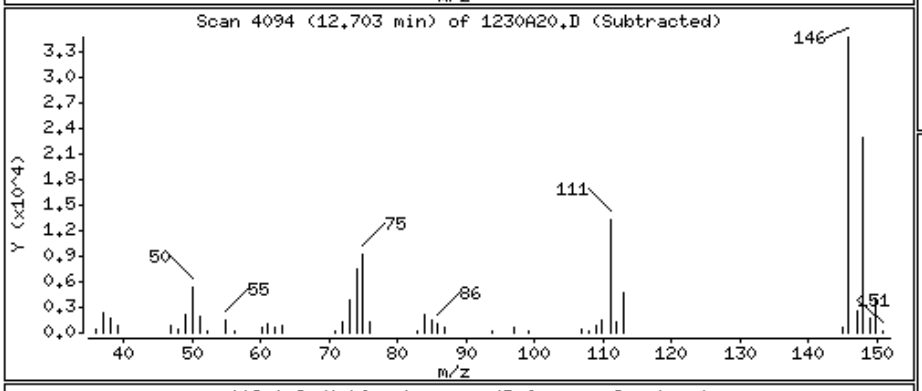
Column diameter: 0.18

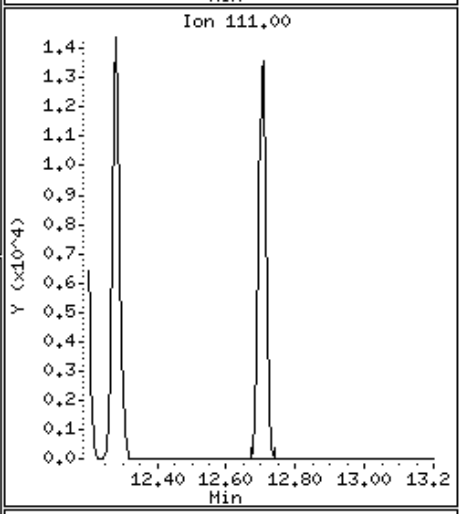
102 1,2-dichlorobenzene

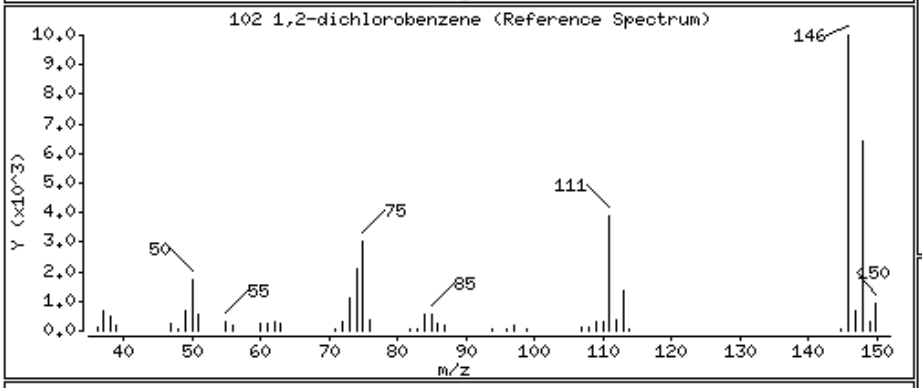
Concentration: 12.125 ngs

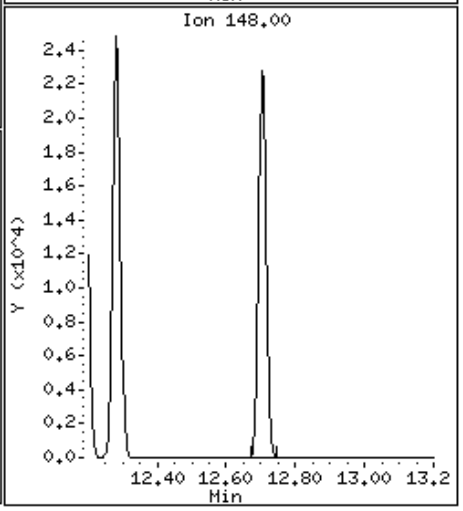


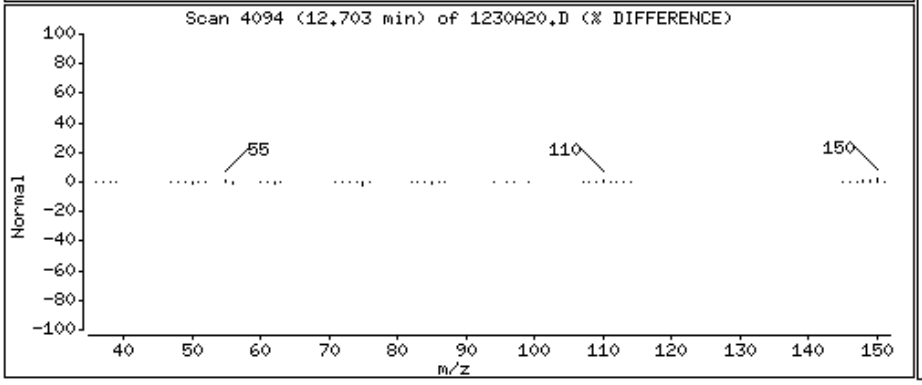












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

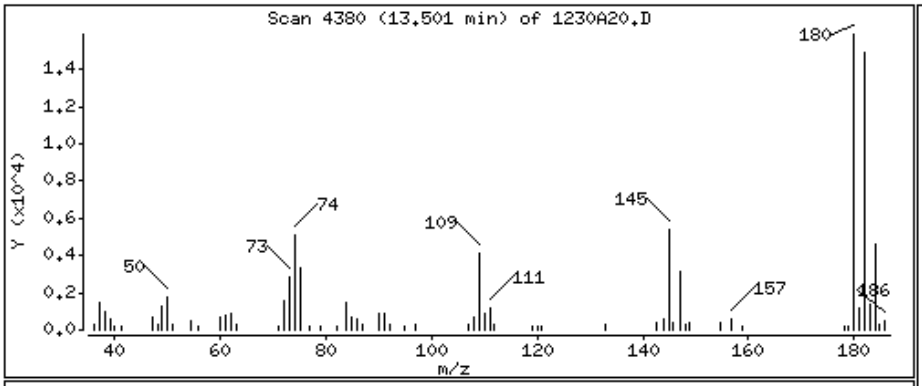
Operator: PK

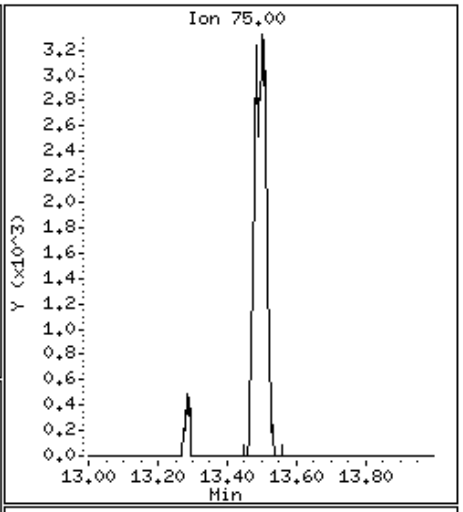
Column phase:

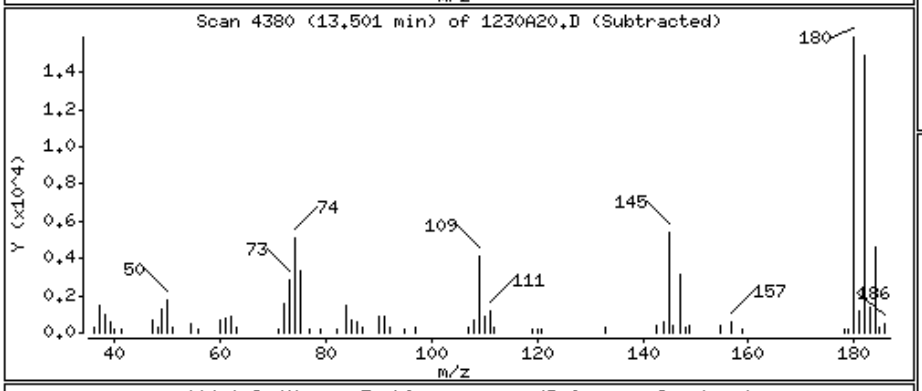
Column diameter: 0.18

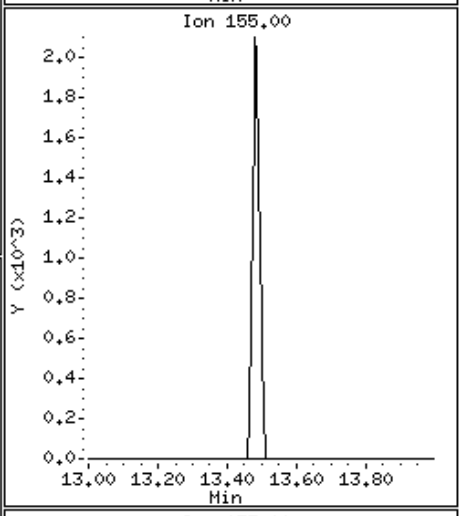
104 1,2-dibromo-3-chloropropane

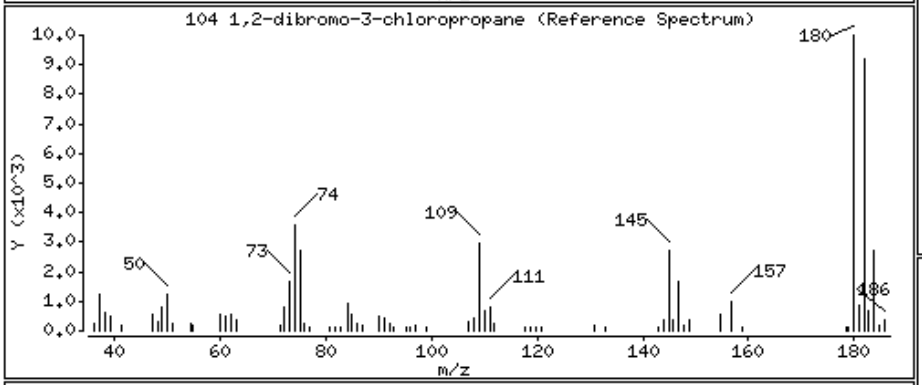
Concentration: 11.683 ngs

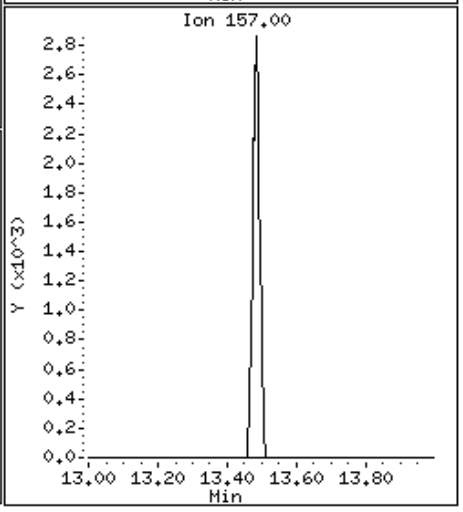


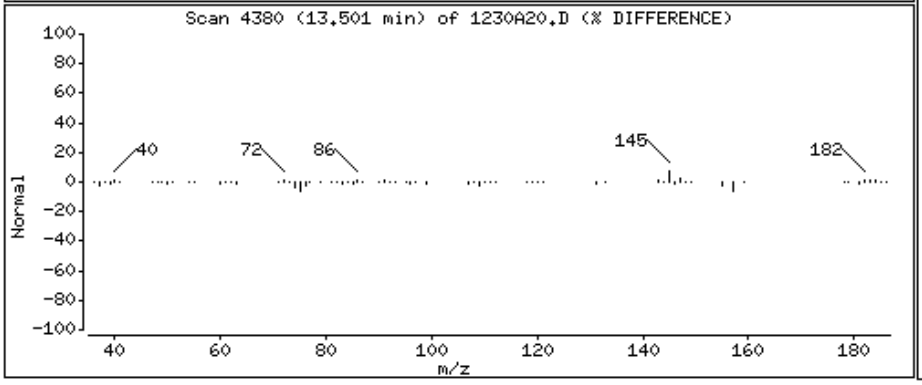












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

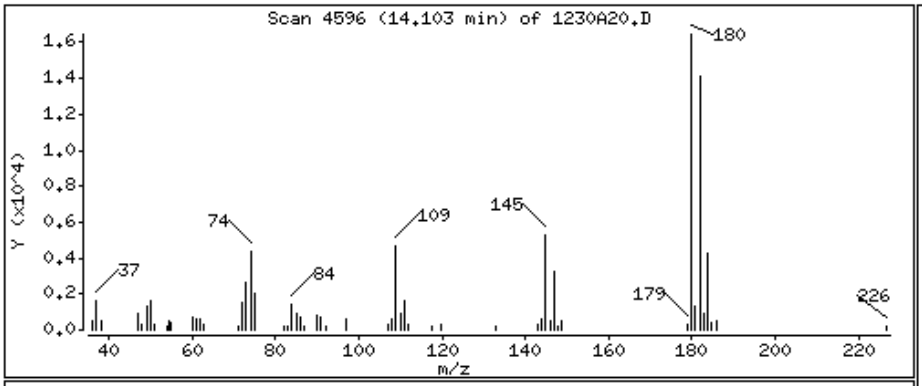
Operator: PK

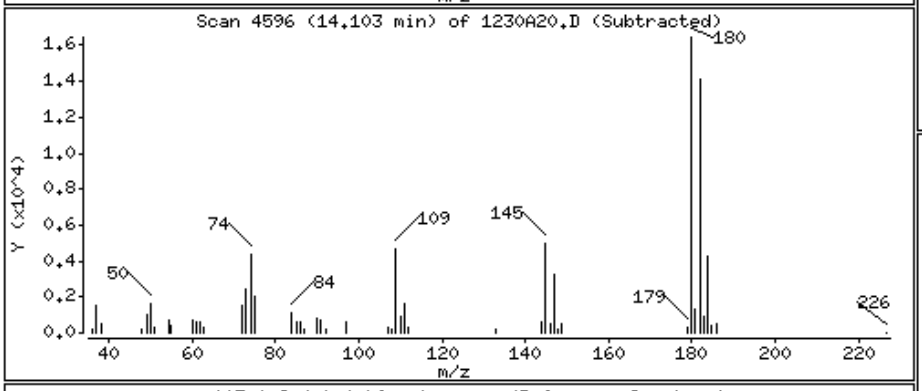
Column phase:

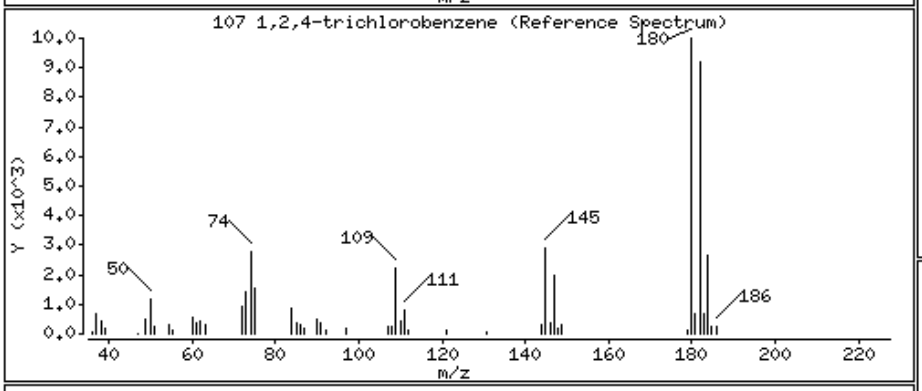
Column diameter: 0.18

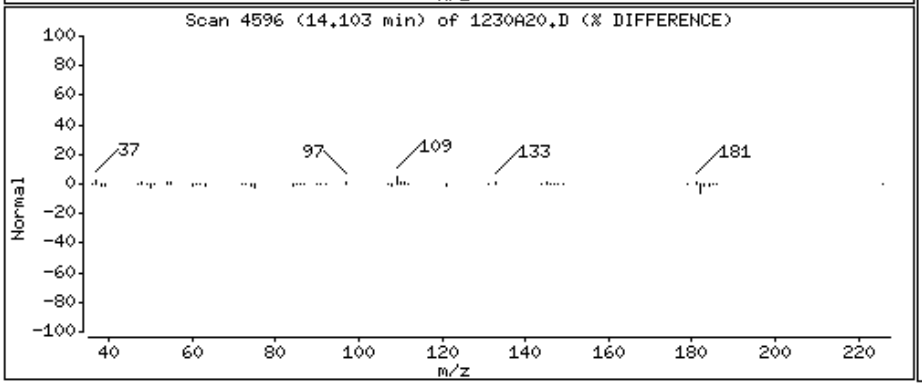
107 1,2,4-trichlorobenzene

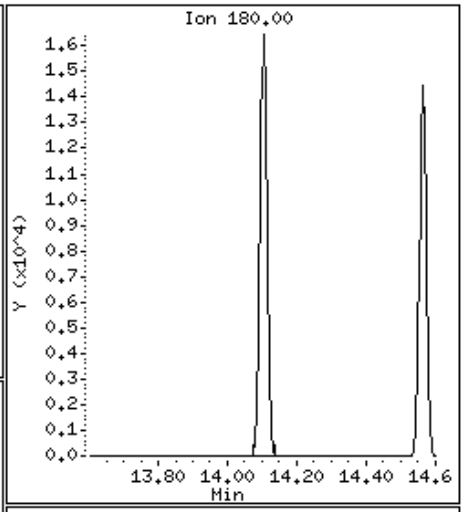
Concentration: 11.557 ngs

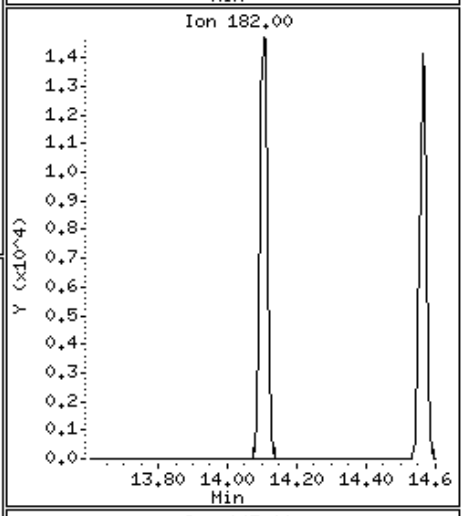


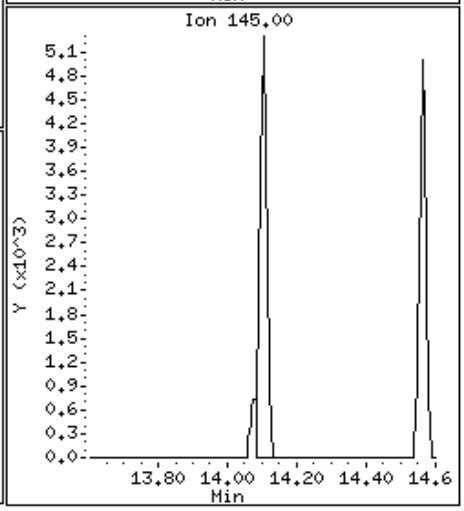












Data File: \\orgserv2\ff\chem\GCMSVOA\Voa108.i\151230.b\1230A20.D

Date : 30-DEC-2015 16:19

Client ID:

Instrument: Voa108.i

Sample Info: wg854069-5,31,10

Purge Volume: 10.0

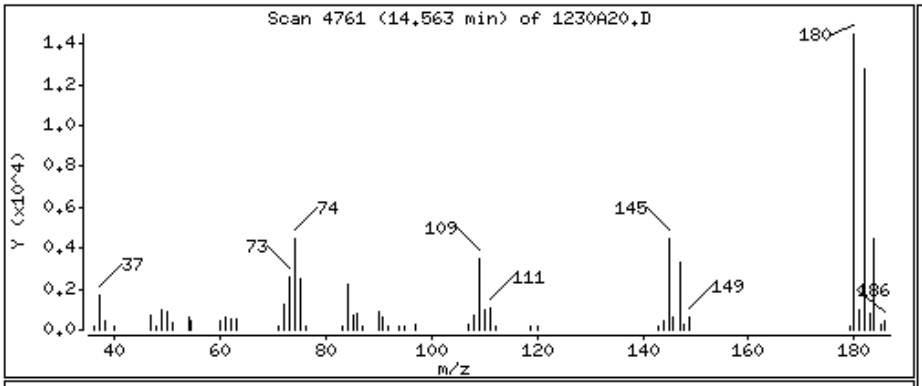
Operator: PK

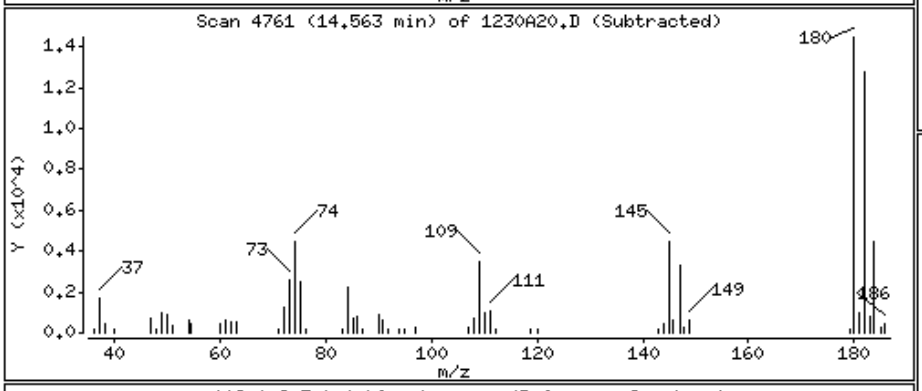
Column phase:

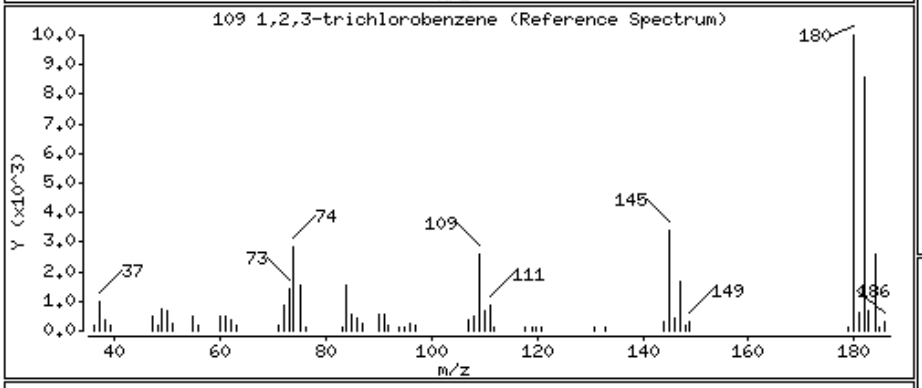
Column diameter: 0.18

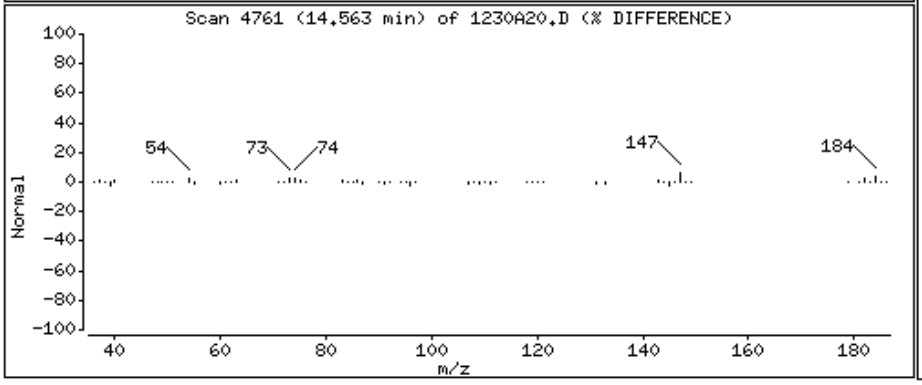
109 1,2,3-trichlorobenzene

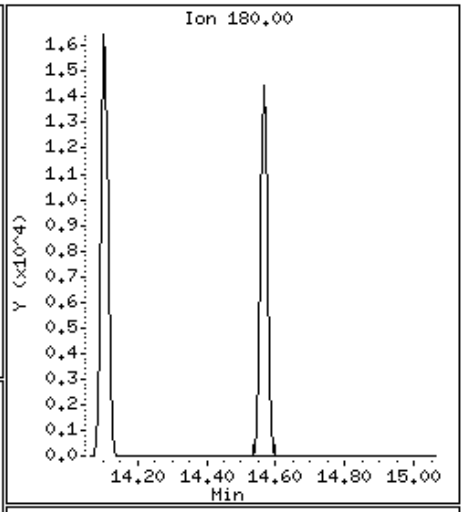
Concentration: 11.757 ngs

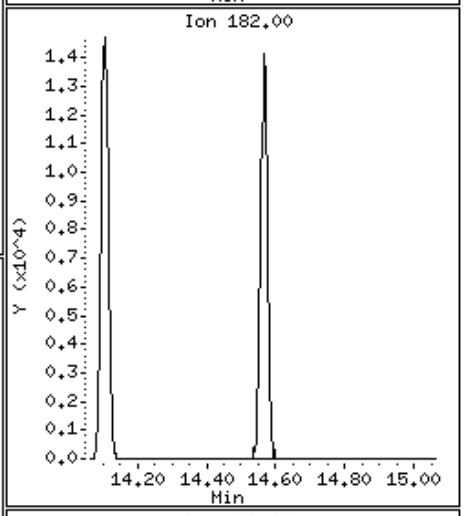


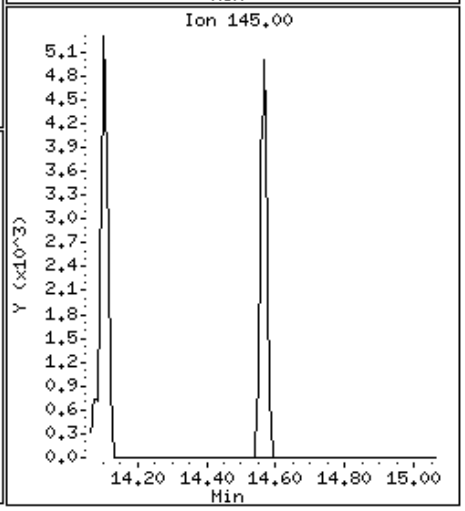












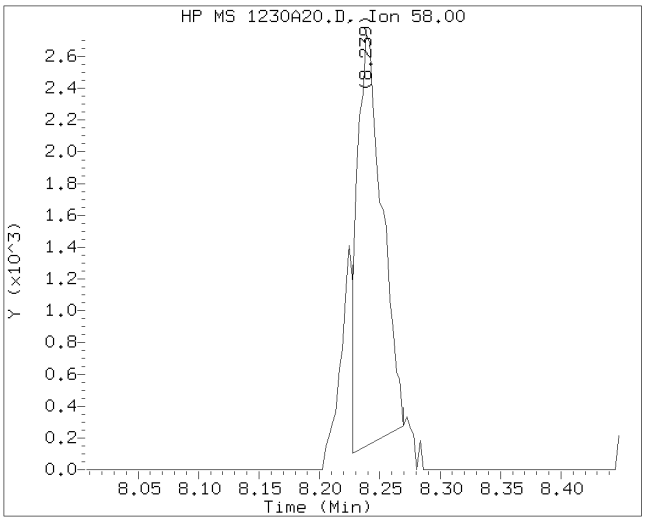
Alpha Analytical Labs

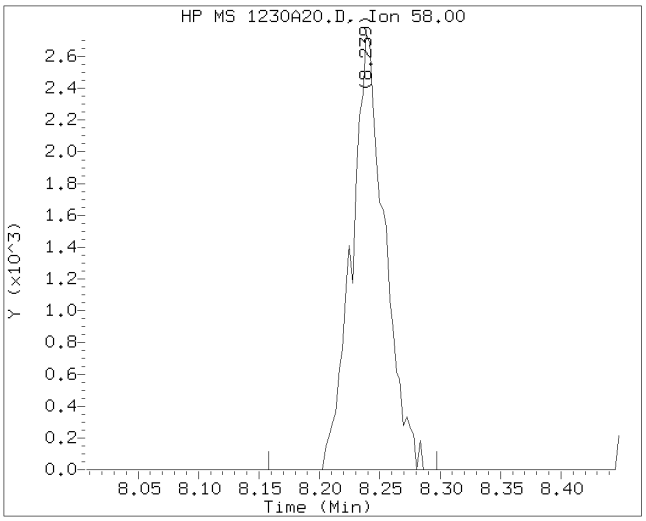
Manual Integration

Sample Info : wg854069-5,31,10
wg854069,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1230A20.D
Injection Date : 30-DEC-2015 16:19
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: MSD

Compound # 60: 4-methyl-2-pentanone

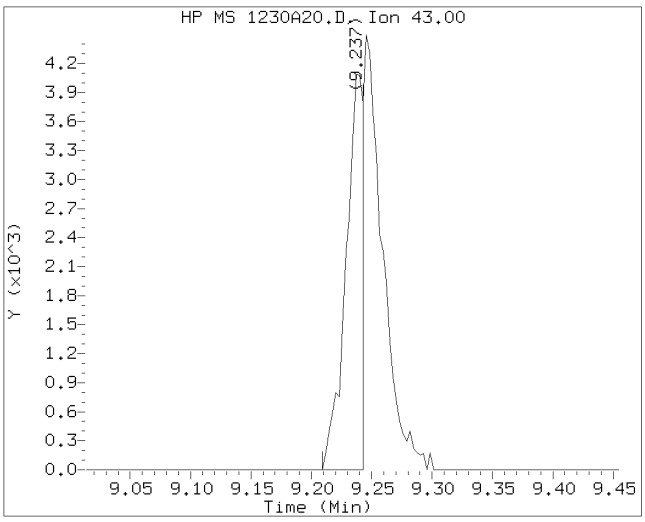


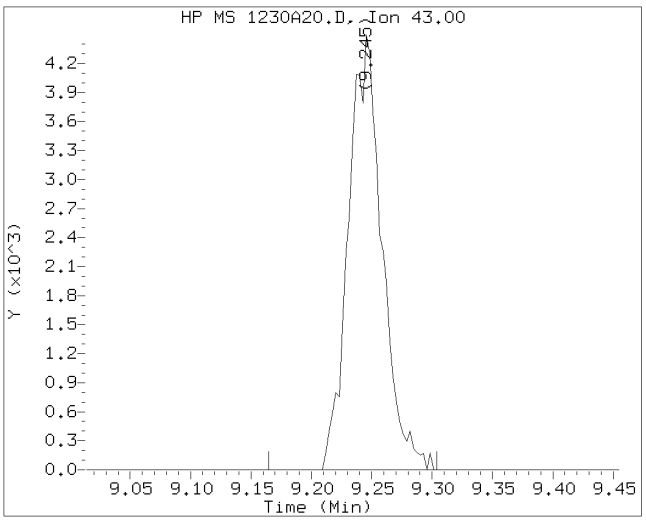


Original Peak Response = 3771 Manual Peak Response = 5279 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 71: 2-hexanone





Original Peak Response = 4091 Manual Peak Response = 8741 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

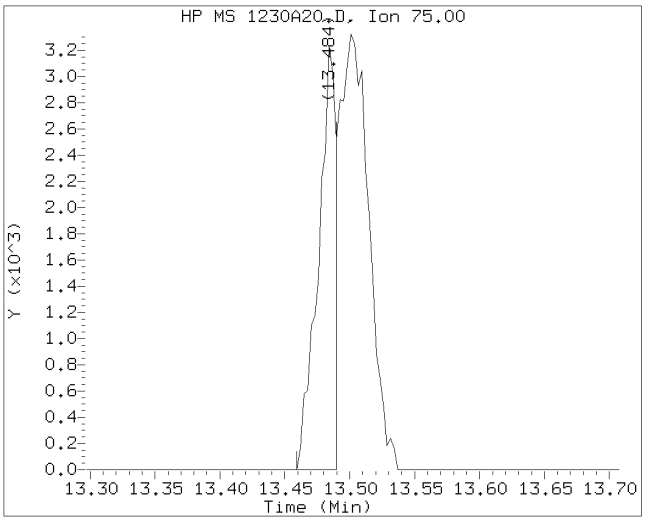
Alpha Analytical Labs

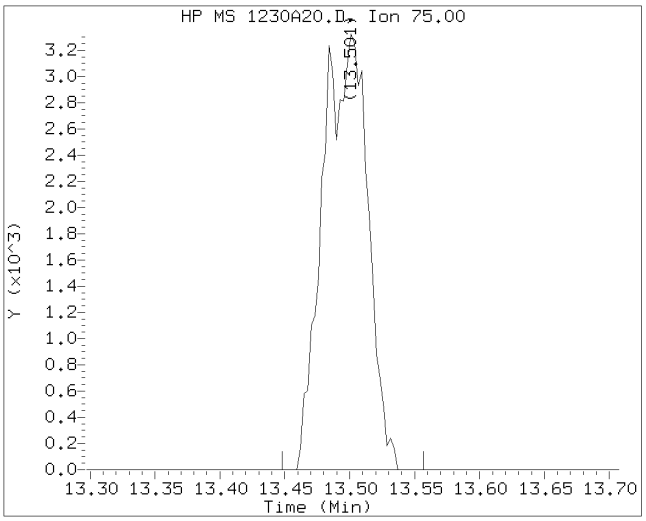
Manual Integration

Sample Info : wg854-5,31,10
wg854,ical11667

Instrument ID : Voa108.i
Method : liq8260C.m
File : 1230A20.D
Injection Date : 30-DEC-2015 16:19
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: MSD

Compound # 104: 1,2-dibromo-3-chloropropane





Original Peak Response = 3101 Manual Peak Response = 8053 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Wet Chemistry

Total Suspended Solids Analysis

Sample Raw Data

ALPHA ANALYTICAL LABS

WET CHEMISTRY DEPARTMENT

TOTAL SUSPENDED SOLIDS

Last Change 3/4/13
File tss.xlt

Filter Lot #: Pall T51508

Sample Number: _____

Client: _____

Analysis: T S S
Method: SM 2540D

Product: TSS-2540
Analyte: Solids, Total Suspended
Analysis Date: 12/22/2015 12:55
Technician: SG
Work group: WG851979
RDL: 5.0 mg/l

In 104: 12/22/15 14:45
Out: 18:50
In: 20:00
Out: 12/23/15 05:35

2

	Sample Number	Symbol	Tare Weight (gm)	Sample Volume (ml)	Net Weight(1) (gm)	Net Weight(2) (gm)	RDL MULT.	RESULT mg/l	
BLANK	WG851979-1	1	0.436	1000	0.4354	0.4350		0.0	
DUP	WG851979-2	4	0.4336	1050	0.4345	0.4344		0.8	L1533592-05
	L1533592-01	5	0.4394	1100	0.4395	0.4397		0.1	
	L1533592-02	6	0.4394	1100	0.4391	0.4396		0.0	
	L1533592-03	7	0.4376	1100	0.4376	0.4374		0.0	
	L1533592-04	8	0.4368	1070	0.4374	0.4378		0.6	
	L1533592-05	9	0.4364	1050	0.4365	0.4356		0.0	
	L1533592-06	10	0.4385	1070	0.4389	0.4392		0.4	
	L1533592-07	11	0.437	1030	0.4368	0.4368		0.0	
	L1533592-09	12	0.4375	1100	0.4372	0.4366		0.0	
	L1533592-10	13	0.4368	1070	0.437	0.4375		0.2	
	L1533592-11	14	0.4423	1080	0.4427	0.4429		0.4	

ALPHA ANALYTICAL LABS

WET CHEMISTRY DEPARTMENT

TOTAL SUSPENDED SOLIDS

Last Change 3/4/13
File tss.xlt

Filter Lot #: Pall T51508

Sample Number: _____

Client: _____

Analysis: T S S
Method: SM 2540D

Product: TSS-2540
Analyte: Solids, Total Suspended
Analysis Date: 12/22/2015 12:55
Technician: SG
Work group: WG851980
RDL: 5.0 mg/l

In 104: 12/22/15 14:45
Out: 18:50
In: 20:00
Out: 12/23/15 05:35

1

	Sample Number	Symbol	Tare Weight (gm)	Sample Volume (ml)	Net Weight(1) (gm)	Net Weight(2) (gm)	RDL MULT.	RESULT mg/l
BLANK	WG851980-1	1	0.436	1000	0.4354	0.4350		0.0
	L1533592-12	3	0.4354	1050	0.4351	0.4350		0.0

Work Group

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Jan 12 2016, 11:58 am

Work Group: WG851979 for Department: 7 Wet Chemistry

Created: 22-DEC-15 Due: Operator: dw

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1533592-01	SW-1A-20151217	S	TSS-2540	WATER	DONE	U	1224	0112	S0	Plastic-A1
L1533592-02	SW-1B-20151217	S	TSS-2540	WATER	DONE	U	1224	0112	S0	Plastic-A1
L1533592-03	SW-1C-20151217	S	TSS-2540	WATER	DONE	U	1224	0112	S0	Plastic-A1
L1533592-04	SW-2A-20151217	S	TSS-2540	WATER	DONE	U	1224	0112	S0	Plastic-A1
L1533592-05	SW-2B-20151217	S	TSS-2540	WATER	DONE	U	1224	0112	S0	Plastic-A1
L1533592-06	SW-2C-20151217	S	TSS-2540	WATER	DONE	U	1224	0112	S0	Plastic-A1
L1533592-07	DUP-20151217	S	TSS-2540	WATER	DONE	U	1224	0112	S0	Plastic-A1
L1533592-09	SW-3A-20151217	S	TSS-2540	WATER	DONE	U	1224	0112	S0	Plastic-A1
L1533592-10	SW-3B-20151217	S	TSS-2540	WATER	DONE	U	1224	0112	S0	Plastic-A1
L1533592-11	SW-3C-20151217	S	TSS-2540	WATER	DONE	U	1224	0112	S0	Plastic-A1
WG851979-1	Laboratory Method Bl	S	TSS-2540	WATER	DONE	U				
WG851979-2	Duplicate Sample	S	TSS-2540	WATER	DONE	U				

Comments:

WG851979-2 L1533592-05

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Jan 12 2016, 11:58 am

Work Group: WG851980 for Department: 7 Wet Chemistry

Created: 22-DEC-15 Due: Operator: dw

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1533592-12	EB20151217	S	TSS-2540	WATER	DONE	U	1224	0112	S0	Plastic-A1
WG851980-1	Laboratory Method Bl	S	TSS-2540	WATER	DONE	U				

Supporting Documentation

Date	Bal.#	0.002g	0.1g	1.0g	50g	100g	101g	150g	101.1g	Initials	Time/Comments
Monday, December 21, 2015	2			Did	not		use			SG	15:31
	13		0.1	1.0	50.0	100.0	101.0	150.0			
	18		0.1001	0.9997	49.9997	99.9990	100.9987	149.9989			
	20		0.11	1.00	50.00	99.99	100.99	149.99			
	22	0.0018	0.0999	0.9999	49.9999	99.9999	100.9999	150.0000			
	29		~~0.1036~~	~~0.9998~~	49.9991	99.9986	~~101.0039~~	x			
	33		0.1036	0.9991	50.0023	100.0024	101.0003	~~150.0052~~ ~~101.1006~~	101.1006		
	27		0.1006	0.9992	49.9987	99.9975	100.9973	X			
	29		0.1000	1.0002			100.9983				

Date	Bal.#	0.002g	0.1g	1.0g	50g	100g	101g	150g	101.1g	Initials	Time/Comments
Tuesday, December 22, 2015	2			NOT	IN	USE				hk	23:00
	13		0.1	1.0	50.0	100.0	101.0	150.0			
	18		0.1000	0.9999	49.9998	100.0004	100.9996	150.0003		AS	
	20		0.10	0.99	50.00	100.00	101.00	150.00			
	22	0.0019	0.1000	0.9999	49.9997	99.9998	100.9997	149.9997			
	29		0.1000	1.0000	49.9994	99.9993	100.9991	x			
	33		0.1000	0.9999	49.9994	100.0038	101.0035	150.0024	101.1027		
	27		0.0996	1.0000	49.9983	99.9970	100.9994	X			

Date	Bal.#	0.002g	0.1g	1.0g	50g	100g	101g	150g	101.1g	Initials	Time/Comments
Wednesday, December 23, 2015	2		Not	in	use					LHK	
	13		0.1	1.0	50.0	100.0	101.1	150.0		LHK	23:59
	18		0.1001	1.0001	50.0005	100.0007	101.0005	150.0011		LHK	0:10
	20		0.10	0.99	50.00	99.99	100.99	149.99		LHK	23:54
	22	0.0020	0.1001	1.0000	50.0001	100.0002	101.0002	150.0001		LHK	23:50
	29		0.1005	1.0004	50.0001	100.0004	101.0009	x		LHK	0:14
	33		0.1000	1.0000	50.0034	100.0065	101.0067	150.0019	101.1066	LHK	0:03
	27		0.1003	0.9999	49.9995	99.9993	100.9989	—	—	LHK	23:56

Date	Bal.#	0.002g	0.1g	1.0g	50g	100g	101g	150g	101.1g	Initials	Time/Comments
Thursday, December 24, 2015	2	—	—	NOT	IN	USE	—	~~use weights~~		AS	14:30
	13	—	0.1	1.0	50.0	100.0	101.1	~~101.1~~ 150.0		AS	
	18	—	0.1003	1.0002	50.0001	100.0001	101.0000	150.0003		AS	
	20	—	0.10	1.00	50.00	99.99	100.99	149.99		AS	
	22	0.0027	0.1001	0.9999	50.0000	100.0000	101.0001	149.9999		AS	
	29	—	0.1015	1.0022	49.9997	100.0014	101.0015	x		AS	
	33	—	0.1006	1.0011	50.0043	100.0073	101.0073	150.0108	101.1070	AS	
	27	—	0.0997	0.9997	49.9996	99.9994	100.9992	—	—	AS	

Organic Carbon Analysis

Sequence Logs

WED 010616 (10) TOC-3 curve 111115

ICV, LCS spike 111015 + 010616

Project No. ~~CCV 111015 + 010616~~

Book No. ~~IC 100215 + 010516~~

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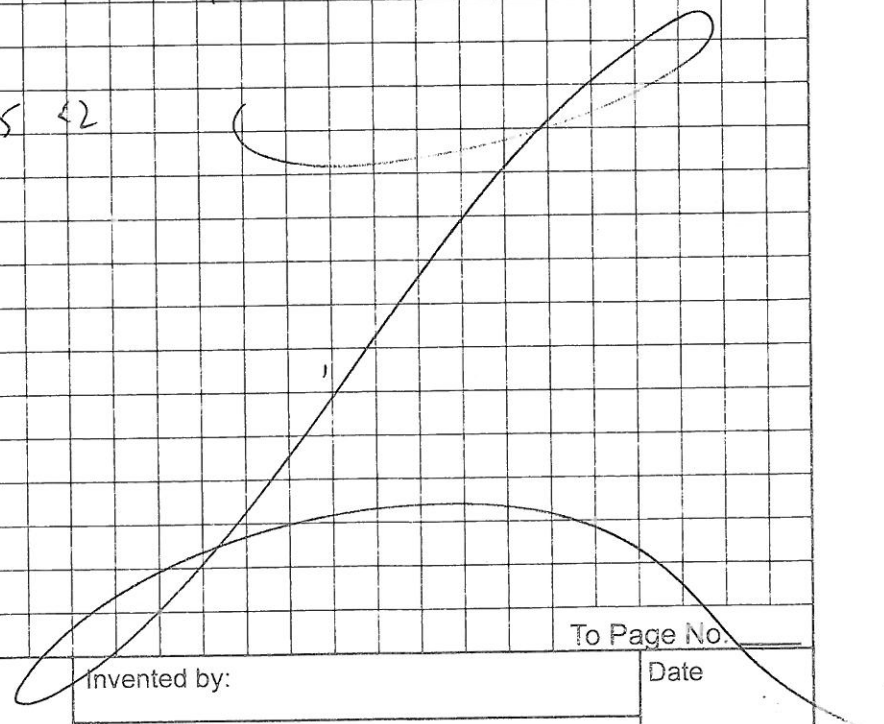
Confidential

TLE

from Page No. ____

position	sample	method	PM
1	DI		
2	ICCK	10ppm	
3	ICV	2ppm	
4	ICB		
5	MB		
6	LCS	2ppm	
7	33592.1	20x	TOC-S310 <2
8	2	20x	
9	3	20x	
10	4	2x ~~10x~~	(10) 010616
11	5	2x ~~10x~~	
12	6	2x ~~10x~~	
13	7	~~10x~~	
14	9	~~10x~~	
15	CCV	2ppm	
16	CCB		
17	33592.10	2x ~~10x~~	mat (10) 010616
18	11	2x ~~10x~~	
19	12	1x	EB
20	1	2x	mat
21	2	↓	↓
22	3	↓	↓
23	FB	DOC	33592 122215 04:45 <2
24	33592.1		DOC-S310 <2
25	2		
26	3		
27	CCV	2ppm	
28	CCB		
29	MB		
30	LCS	2ppm	
31	33592.4		
32	5		
33	6		
34	7		
35	9		
36	10		
37	11		
38	12		
39	CCV	2ppm	
40	CCB		



To Page No. ____

Witnessed & Understood by me,

Date

Invented by:

Recorded by:

Date

THU 010716 TOC-3

curve 111115

ICV, LCS, SPK 111015 + 010716

CCV 111015 + 010716

Project No. _____

Confidential Book No. _____ TITLE _____

From Page No. ____

IC 100215 + 010516

position	sample	method	pH
1	DI		
2	IC CC STD 10ppm		
3	ICV 2ppm		
4	ICB		
5	MB		
6	LCS 2ppm		
7	FB DOC 241	D10716 07:35	<2
8	241.1 100x	TOC-5310	<2
9	.1 20x		
10	.1 dup 10.3x 20x		
11	.1 spk 80 ppm		
12	CCV 2ppm		
13	CCB		
14	32.1 2x	TOC-9060-PPB	<2
15	360.1 400x	TOC-5310	<2
16	365.1 2x		
17	33592.5 2x dup	TOC-5310	<2 QC for 1/6/16
18	.5 2x spk 8 ppm		
19	33592.5 dup	TOC-5310	<2 QC for 1/6/16
20	.5 spk 4ppm		
21	360.1 80x		
22	00632.1 dup 2x		
23	.1 spk 2x		
24	2ppm CCV		
25	CCB		
26	00365.1 dup 2x		
27	.1 spk 2x		
28	2ppm CCV		
29	CCB		

To Page No. ____

Witnessed & Understood by me, Date

Invented by: Date

Recorded by:

Sample Raw Data

ALPHA ANALYTICAL LABS

BACTERIA DEPARTMENT

TOTAL ORGANIC CARBON

Last Change 03/4/13 GFF
File TOC/DOC.xlt

Sample Number: _____

Client: _____

Analysis: TOC

Method: SM 5310C

Product: TOC-5310
Analyte: Total Organic Carbon,
Analysis Date: 1/6/2016 9:14
Technician: dw
Work group: WG855077
MDL: 0.5 mg/l
Page Number:

LCS Conc. (ppm): 2
Spike Conc(ppm): 8

	Sample Number	COMMENTS	MDL Multiplier	RESULT mg/L	
DUP	WG855077-3		2	3.50	L1533592-05
	L1533592-01		2	3.54	
	L1533592-02		2	3.25	
	L1533592-03		2	3.39	
	L1533592-04		2	3.21	
	L1533592-05		2	3.35	
	L1533592-06		2	3.43	
	L1533592-07		2	3.34	
	L1533592-09		2	3.53	
	L1533592-10		2	3.24	
	L1533592-11		2	3.26	
	L1533592-12		1	0.05	
BLANK	WG855077-1		1	0.00	

		Comments	Sample Result	Spike Conc	Spike Result	% Rec	
MS	WG855077-4		3.35	8	12.1	109	L15335
LCS	WG855077-2			2	1.99	100	

ALPHA ANALYTICAL LABS

BACTERIA DEPARTMENT

DISSOLVED ORGANIC CARBON

Last Change 03/4/13 GFF
File TOC/DOC.xlt

Sample Number: _____

Client: _____

Analysis: **DOC**

Method: **SM 5310C**

LCS Conc. (ppm): 2
Spike Conc(ppm): 4

Product: **DOC-5310**
Analyte: **Dissolved Organic Carbon,**
Analysis Date: 1/6/2016 17:43
Technician: ml
Work group: wg855076
MDL: **1.0 mg/l**
Page Number:
Preparation Date: 12/22/2015 4:45

	Sample Number	COMMENTS	MDL Multiplier	RESULT mg/L	
DUP	WG855076-3		1	3.54	L1533592-05
	L1533592-01		1	3.52	
	L1533592-02		1	3.49	
	L1533592-03		1	3.53	
	L1533592-04		1	3.60	
	L1533592-05		1	3.58	
	L1533592-06		1	3.51	
	L1533592-07		1	3.64	
	L1533592-09		1	3.62	
	L1533592-10		1	3.52	
	L1533592-11		1	3.68	
	L1533592-12		1	0.12	
BLANK	WG855076-1	fb	1	0.29	

		Comments	Sample Result	Spike Conc	Spike Result	% Rec	
MS	WG855076-4		3.58	4	8.09	113	L15335
LCS	WG855076-2			2	1.99	100	

Author: lachat

Date : 1/5/2016

Original Run Filename: OM_1-5-2016_07-17-31PM.OMN Created: 1/5/2016 7:17:31 PM
Original Run Author's Signature: [lachat]
Current Run Filename: OM_1-5-2016_07-17-31PM.OMN Last Modified: 1/5/2016 8:02:45 PM
Current Run Author's Signature: [lachat]
Description: Default New Run

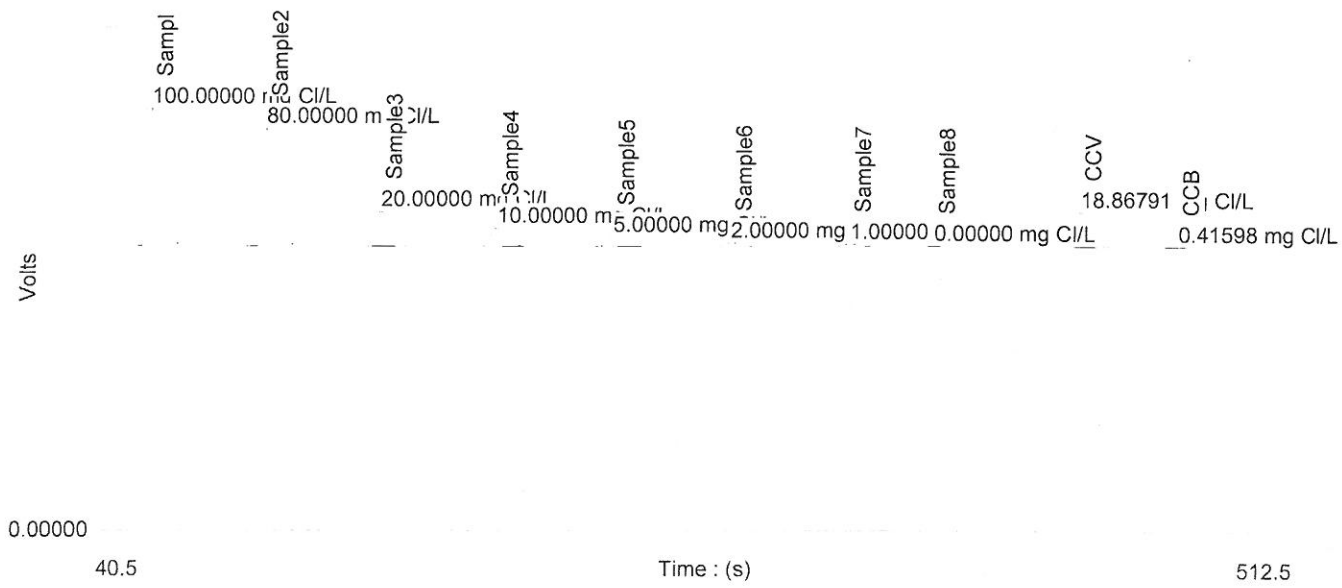
Sample	Rep.	Cup No.	Channel 1 Chloride-CH3 (mg Cl/L)	ADF	MDF	Weight	
Sample1	1	S1	100.00000				
Sample2	1	S2	80.00000				
Sample3	1	S3	20.00000				
Sample4	1	S4	10.00000				
Sample5	1	S5	5.00000				
Sample6	1	S6	2.00000				
Sample7	1	S7	1.00000				
Sample8	1	S9	0.00000				
CCV	1	S3	18.86791				
	Known Conc:		20.00000				
	Calibration:		Table/Fig. : 1				
CCB	1	S9	0.41598				
	Known Conc:		0.00000				
ICV 5.0	1	1	5.38026	108%			
ICV 30.0	1	2	29.30257	98%			
ICV 80.0	1	3	80.25765	100%			
ICB	1	4	0.72185				
100 PPM	1	5	95.89224	10.00			
WG854959-1; BLK	1	6	0.53940				
WG854959-2; LCS	1	7	29.58718	100%			
L1600164-02	1	8	58.19385				
WG854959-3; DUP	1	9	58.69742	2%			
WG854959-4; MS	1	10	75.79300	98%			
CCV	1	S3	19.11457				
	Known Conc:		20.00000				
CCB	1	S9	0.49276				
	Known Conc:		0.00000				
WG854960-1; BLK	1	11	5.34198			0.10332 g	
WG854960-2; LCS	1	12	381.37424	97%		0.10197 g	LCS = 392 mg/kg
~~L1600067-01~~	~~1~~	~~13~~	~~320.54675~~				
~~L1534494-01~~	~~1~~	~~14~~	~~35.42627~~			0.10241 g	
L1534494-02	1	15	24.83299			0.10871 g	
WG854960-3; DUP	1	16	23.30899	4%		0.10720 g	
WG854960-4; MS	1	17	378.22345	96%		0.10885 g	MS = 367 mg/kg
33592-1	1	18	11.76830	10.00			
33592-2	1	19	9.67273	10.00			
33592-3	1	20	10.13761	10.00			
CCV	1	S3	18.78964				
	Known Conc:		20.00000				
CCB	1	S9	0.42038				
	Known Conc:		0.00000				
33592-4	1	21	8.64930				
33592-5	1	22	8.03018				
33592-6	1	23	7.57153				
33592-7	1	24	7.47099				
33592-9	1	25	7.50201				
33592-10	1	26	7.37954				
33592-11	1	27	7.41301				
33592-12	1	28	0.51780				
L1600067-01	1	13	391.39008	10.00			
L1534494-01	1	14	28.02930			0.10241 g	
CCV	1	S3	18.98268				
	Known Conc:		20.00000				
CCB	1	S9	0.39440				
	Known Conc:		0.00000				

[Cl screens for TOC]

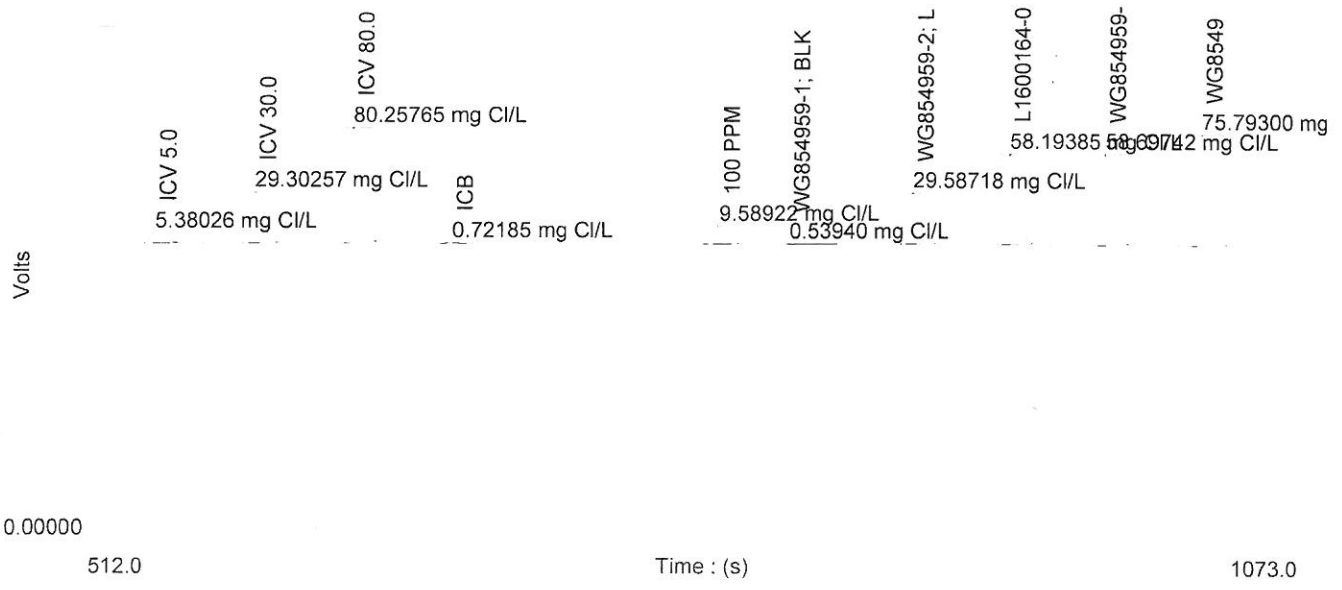
Author: lachat

Date : 1/5/2016

Channel 1 (Chloride) - Set: 1 / 5



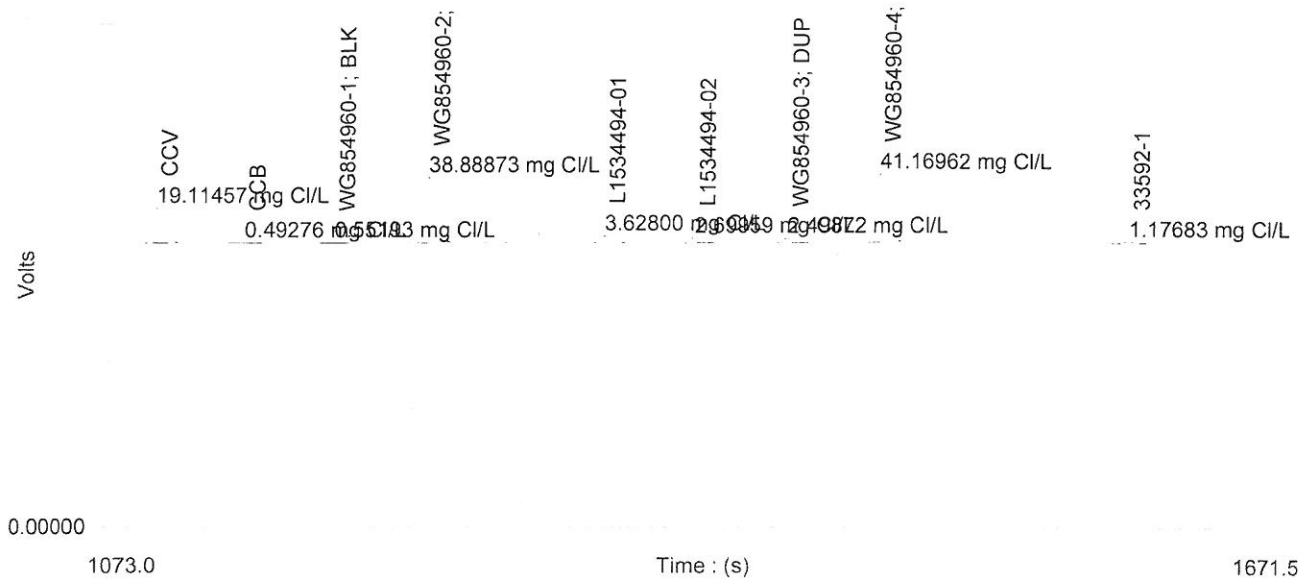
Channel 1 (Chloride) - Set: 2 / 5



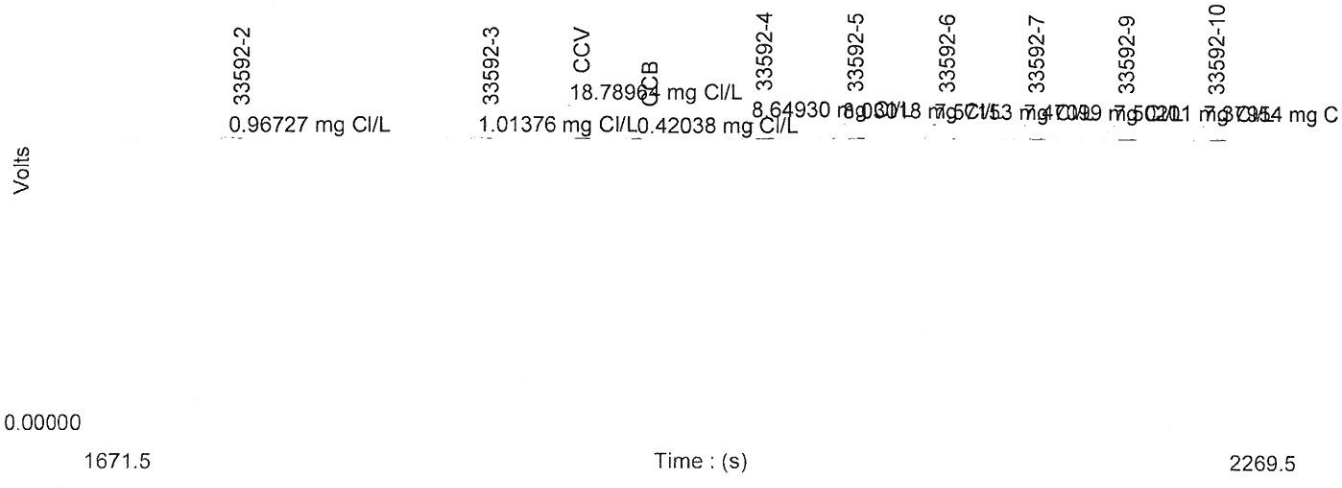
Author: lachat

Date : 1/5/2016

Channel 1 (Chloride) - Set: 3 / 5



Channel 1 (Chloride) - Set: 4 / 5



Author: lachat

Date : 1/5/2016

Channel 1 (Chloride) - Set: 5 / 5

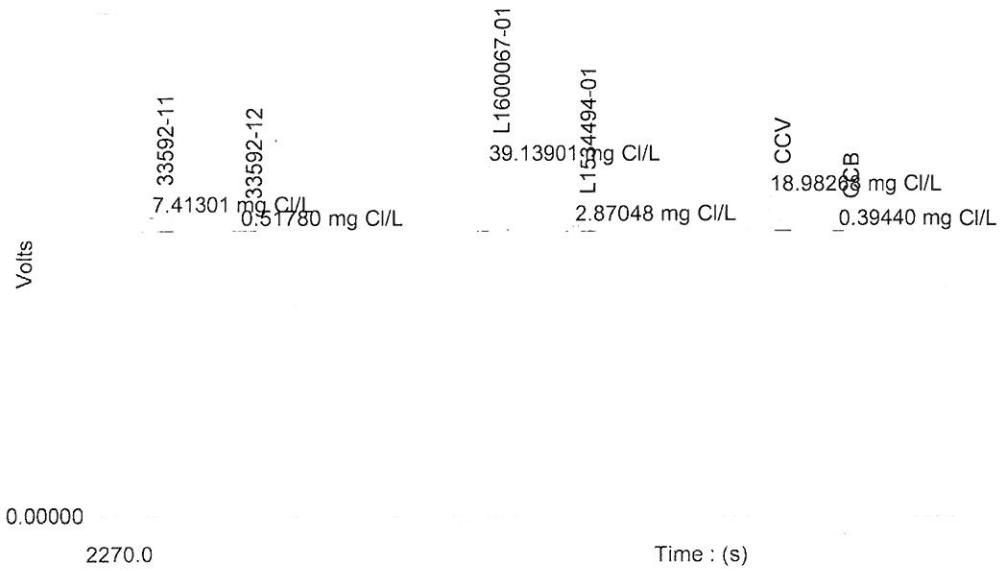
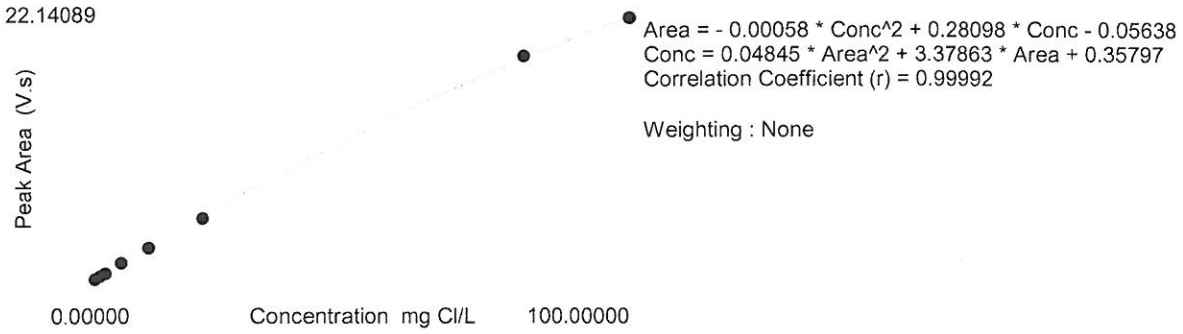


Table : 1 (Chloride-CH3)

	Known Conc. (mg Cl/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg Cl/L)	Detection Date	Detection Time
1	100.00000	1	22.14089	2.88149	0.0	0.5	98.91481	1/5/2016	7:18:15 PM
2	80.00000	1	18.90832	2.47183	0.0	-1.0	81.56415	1/5/2016	7:19:03 PM
3	20.00000	1	5.15481	0.72959	0.0	3.3	19.06157	1/5/2016	7:19:50 PM
4	10.00000	1	2.64614	0.38356	0.0	1.8	9.63753	1/5/2016	7:20:39 PM
5	5.00000	1	1.37919	0.19699	0.0	-3.4	5.10989	1/5/2016	7:21:28 PM
6	2.00000	1	0.48923	0.07037	0.0	2.8	2.02250	1/5/2016	7:22:16 PM
7	1.00000	1	0.27632	0.03909	0.0	-23.3	1.29527	1/5/2016	7:23:05 PM
8	0.00000	1	0.01075	0.00369			0.39429	1/5/2016	7:23:52 PM

Figure : 1 (Chloride-CH3)



Instr.Information

System TOC-VW
Detector Wet Chemical

Sample

Sample Name: di
Sample ID:
Origin: 10142015 toc-3.2015_10_14_12_22_33.cal
Status Completed
Chk. Result

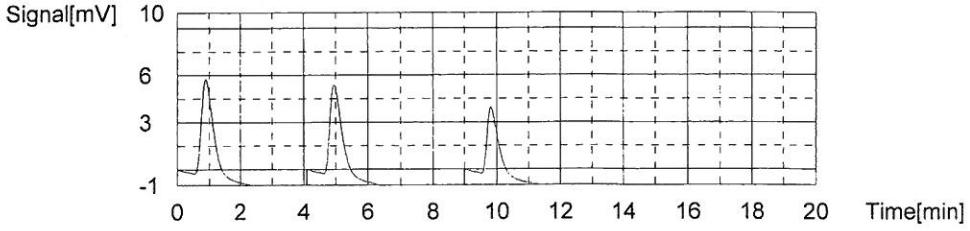
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.03843mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	15.91	0.04154mg/L	2500uL	1		10142015 toc-3.2015_10_14_12_22_3	11/11/2015 7:08:16 AM
2	14.86	0.03532mg/L	2500uL	1		10142015 toc-3.2015_10_14_12_22_3	11/11/2015 7:15:31 AM
3	9.483	0.00345mg/L	2500uL	1	E	10142015 toc-3.2015_10_14_12_22_3	11/11/2015 7:22:46 AM

Mean Area 15.39
Mean Conc. 0.03843mg/L



Cal. Curve

Sample Name: new curve 11112015 toc3
Sample ID: Untitled
Cal. Curve: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed

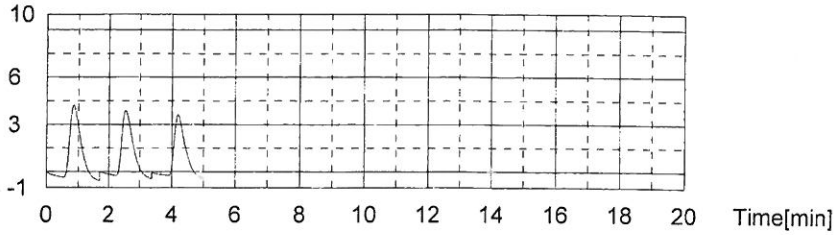
Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

TOC3 curve 11115

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	11.53	2500uL	1	*******		11/11/2015 7:39:15 AM
2	10.69	2500uL	1	*******		11/11/2015 7:44:00 AM
3	9.530	2500uL	1	*******	E	11/11/2015 7:48:37 AM

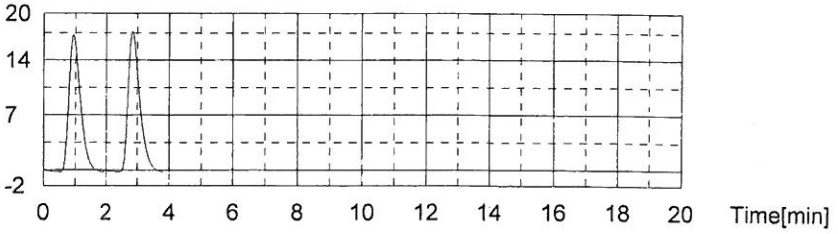
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 11.11



Conc: 0.2000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	46.76	2500uL	1	*******		11/11/2015 7:59:35 AM
2	47.99	2500uL	1	*******		11/11/2015 8:03:51 AM

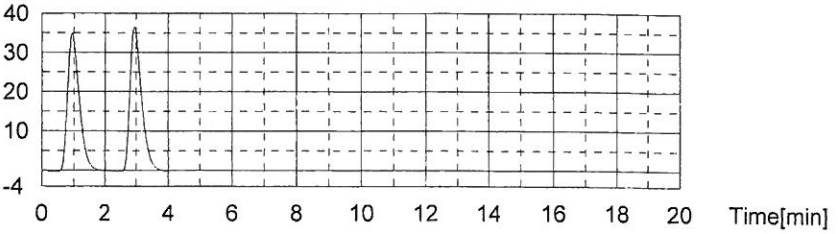
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 47.38



Conc: 0.5000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	94.22	2500uL	1	*******		11/11/2015 8:15:09 AM
2	96.76	2500uL	1	*******		11/11/2015 8:19:26 AM

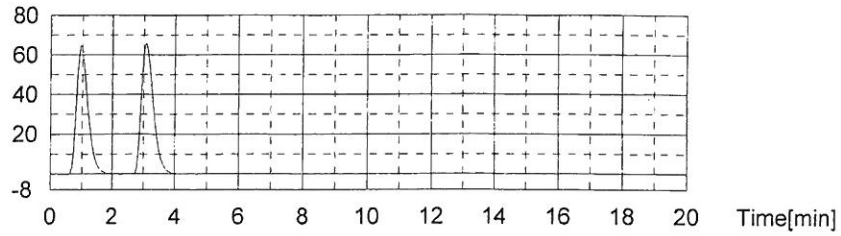
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 95.49



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	177.4	2500uL	1	*******		11/11/2015 8:30:51 AM
2	178.9	2500uL	1	*******		11/11/2015 8:35:08 AM

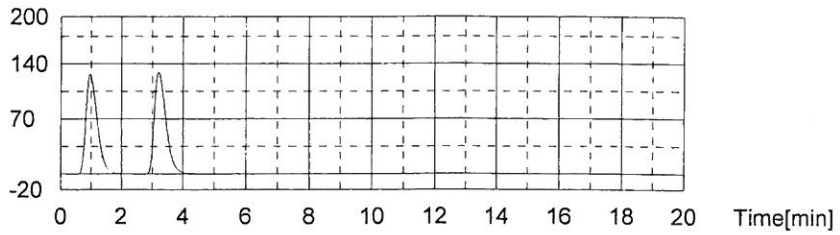
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 178.2



Conc: 2.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	347.7	2500uL	1	*******		11/11/2015 8:46:41 AM
2	356.1	2500uL	1	*******		11/11/2015 8:50:57 AM

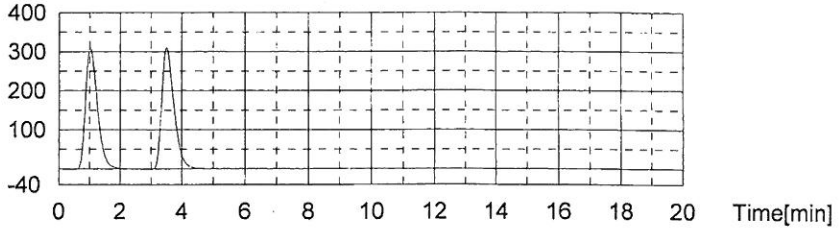
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 351.9



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	871.7	2500uL	1	*******		11/11/2015 9:02:50 AM
2	877.8	2500uL	1	*******		11/11/2015 9:07:25 AM

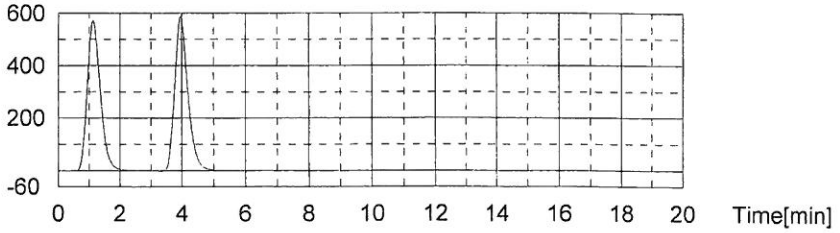
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 874.8



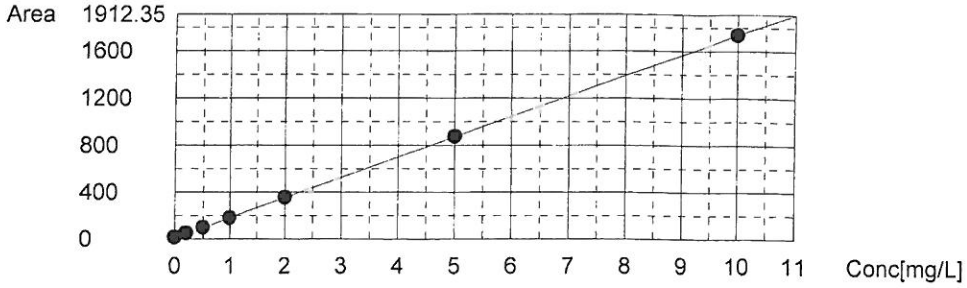
Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1744	2500uL	1	*******		11/11/2015 9:19:34 AM
2	1733	2500uL	1	*******		11/11/2015 9:24:29 AM

Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 1739



Slope:	172.9
Intercept	9.160
r^2	0.999982
r	0.999991
Zero Shift	No



Instr.Information

System TOC-VW
Detector Wet Chemical

Sample

Sample Name: di
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

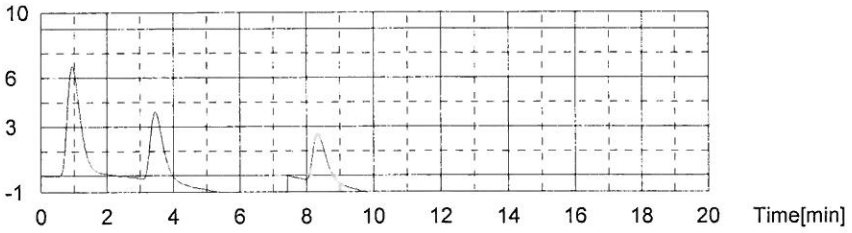
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.00727mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	19.33	0.05882mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	1/6/2016 7:25:12 AM
2	12.68	0.02036mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 7:32:27 AM
3	8.155	-0.00581mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 7:39:42 AM

Mean Area 10.42
Mean Conc. 0.00727mg/L



Sample

Sample Name: ic ck std 10ppm
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

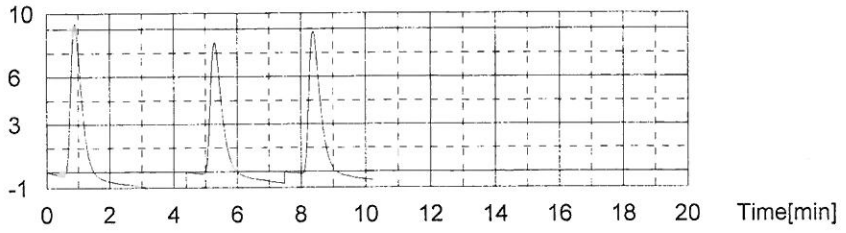
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.07852mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	25.06	0.09196mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	1/6/2016 7:53:08 AM
2	22.20	0.07542mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 7:58:35 AM
3	23.27	0.08161mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 8:03:40 AM

Mean Area 22.73
Mean Conc. 0.07852mg/L



Sample

Sample Name: icv 2ppm
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

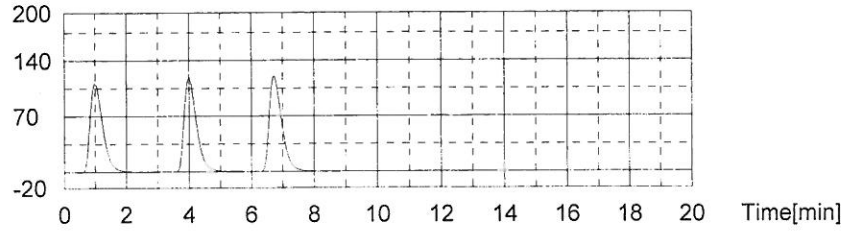
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.925mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	325.6	1.830mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	1/6/2016 8:15:43 AM
2	338.1	1.903mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 8:20:48 AM
3	345.8	1.947mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 8:26:13 AM

Mean Area 342.0
Mean Conc. 1.925mg/L



Sample

Sample Name: icb
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

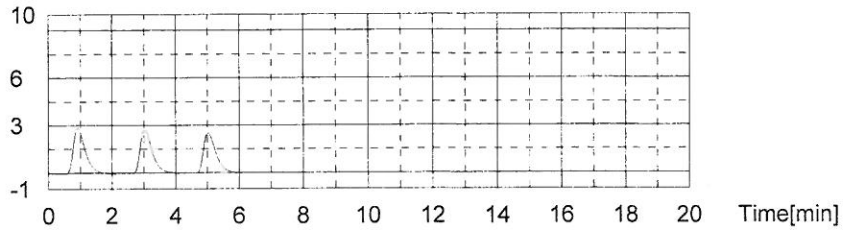
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.01157mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.150	-0.00584mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	1/6/2016 8:37:23 AM
2	7.436	-0.00997mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 8:41:44 AM
3	6.882	-0.01317mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 8:46:02 AM

Mean Area 7.159
Mean Conc. -0.01157mg/L



Sample

Sample Name: mb
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

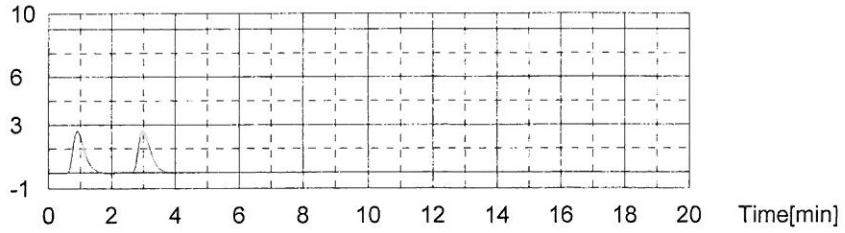
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.01095mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.308	-0.01071mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 8:57:10 AM
2	7.225	-0.01119mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 9:01:28 AM

Mean Area 7.267
Mean Conc. -0.01095mg/L



Sample

Sample Name: lcs 2ppm
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

1.99

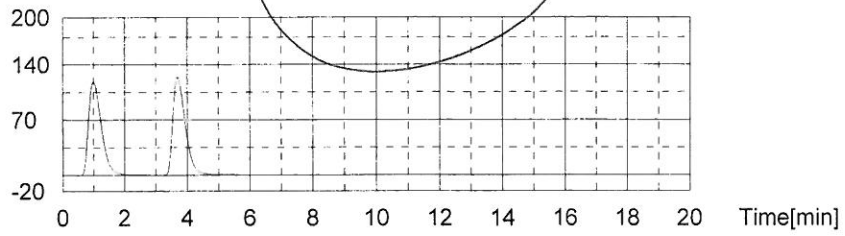
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.988mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	350.0	1.971mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 9:14:01 AM
2	355.6	2.004mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 9:19:19 AM

Mean Area 352.8
Mean Conc. 1.988mg/L



Sample

Sample Name: 33592-01 20x
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

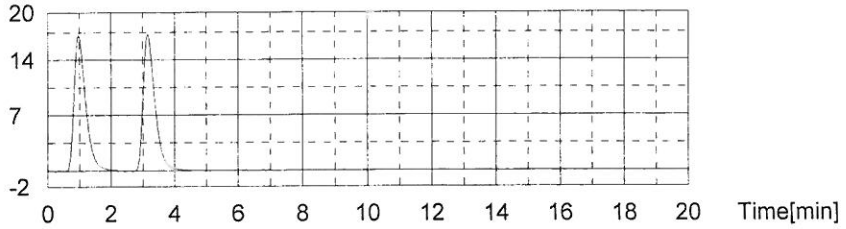
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2088mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	45.21	0.2085mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 9:42:00 AM
2	45.32	0.2091mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 9:46:38 AM

Mean Area 45.27
Mean Conc. 0.2088mg/L



Sample

Sample Name: 33592-02 20x
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

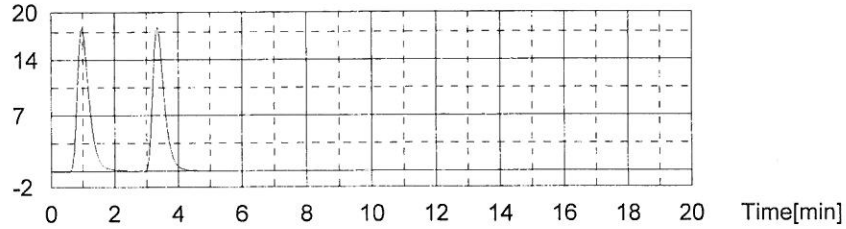
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2239mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	48.42	0.2271mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 9:58:18 AM
2	47.32	0.2207mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 10:02:53 AM

Mean Area 47.87
Mean Conc. 0.2239mg/L



Sample

Sample Name: 33592-03 20x
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

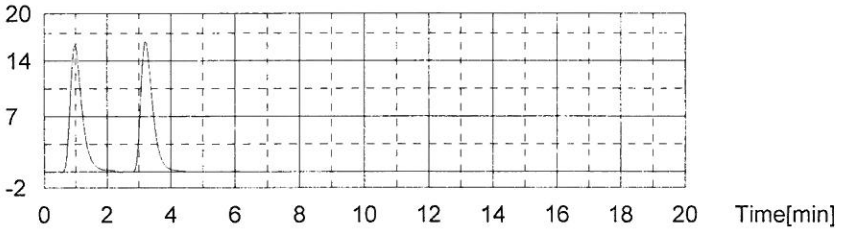
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1991mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	43.48	0.1985mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 10:14:25 AM
2	43.69	0.1997mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 10:18:59 AM

Mean Area 43.59
Mean Conc. 0.1991mg/L



Sample

Sample Name: 33592-04 2x
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.605mg/L

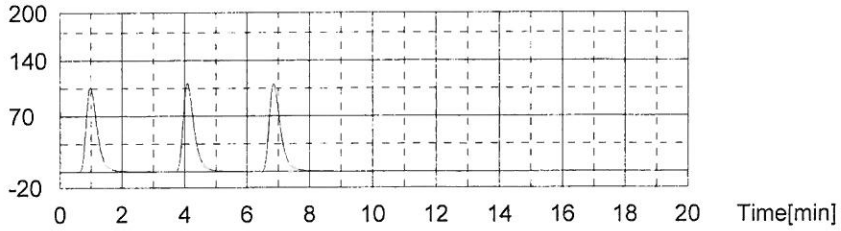
3.21

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	274.2	1.533mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	1/6/2016 10:35:47 AM
2	284.1	1.590mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 10:40:54 AM
3	289.2	1.620mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 10:46:10 AM

Mean Area 286.6
Mean Conc. 1.605mg/L



Sample

Sample Name: 33592-05 2x
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.677mg/L

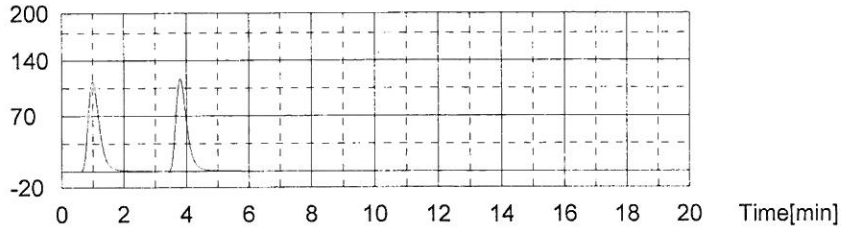
3.5
3.35
VA

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	296.6	1.663mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 10:58:29 AM
2	301.7	1.692mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 11:04:04 AM

Mean Area 299.1
Mean Conc. 1.677mg/L



Sample

Sample Name: 33592-06 2x
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.716mg/L

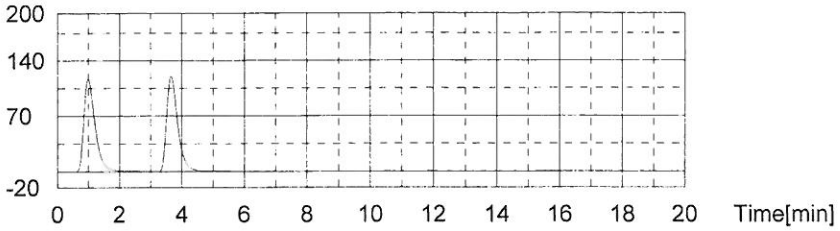
3.43
VA

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	304.5	1.708mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 11:16:30 AM
2	307.3	1.724mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 11:21:45 AM

Mean Area 305.9
Mean Conc. 1.716mg/L



Sample

Sample Name: 33592-07 2x
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.671mg/L

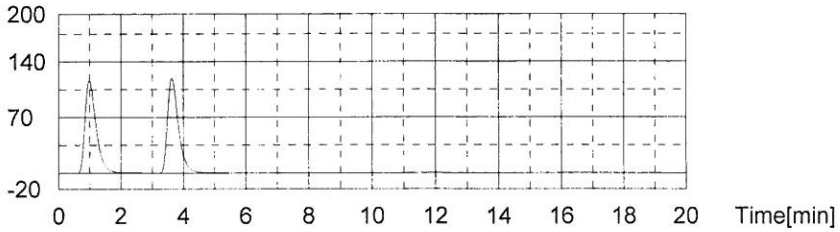
3.34

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	297.2	1.666mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 11:51:55 AM
2	299.1	1.677mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 11:57:04 AM

Mean Area 298.1
Mean Conc. 1.671mg/L



Sample

Sample Name: 33592-09 2x
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.767mg/L

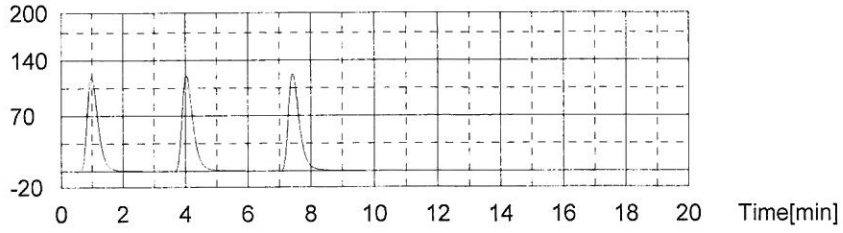
3.53
2A

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	303.3	1.701mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	1/6/2016 12:09:25 PM
2	313.3	1.759mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 12:15:10 PM
3	316.2	1.776mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 12:21:21 PM

Mean Area 314.8
Mean Conc. 1.767mg/L



Sample

Sample Name: ccv 2ppm
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.957mg/L

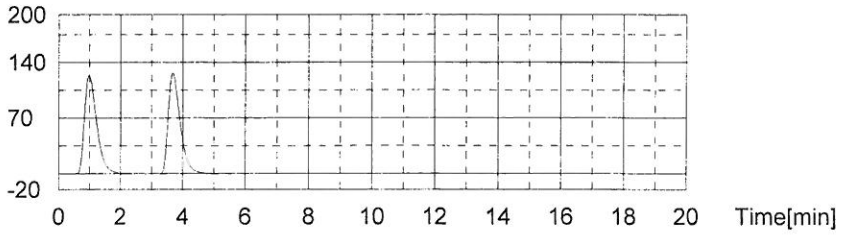
✓

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	347.3	1.956mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 12:36:59 PM
2	347.8	1.959mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 12:42:01 PM

Mean Area 347.6
Mean Conc. 1.957mg/L



Sample

Sample Name: ccb
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

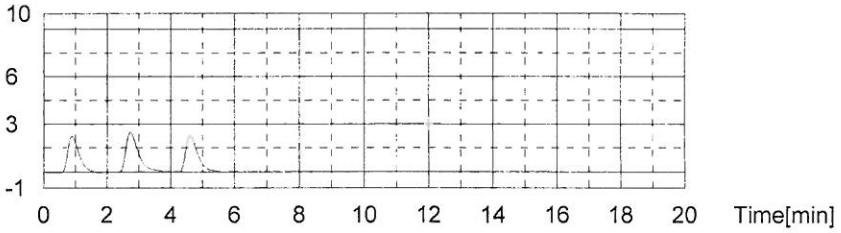
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.01918mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.941	-0.01862mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 12:53:38 PM
2	6.698	-0.01424mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	1/6/2016 12:57:57 PM
3	5.747	-0.01974mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 1:02:08 PM

Mean Area 5.844
Mean Conc. -0.01918mg/L



Sample

Sample Name: 33592-10 2x
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.622mg/L

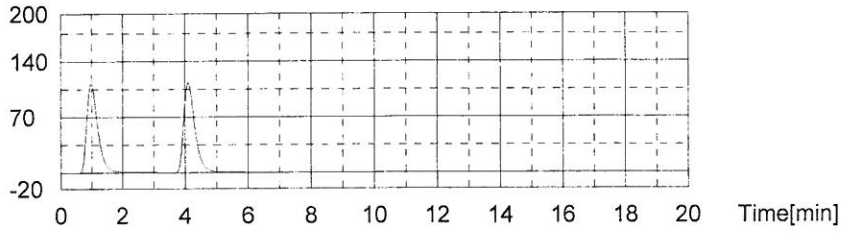
3.24

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	289.8	1.623mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 1:14:17 PM
2	289.5	1.621mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 1:19:25 PM

Mean Area 289.6
Mean Conc. 1.622mg/L



Sample

Sample Name: 33592-11 2x
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.631mg/L

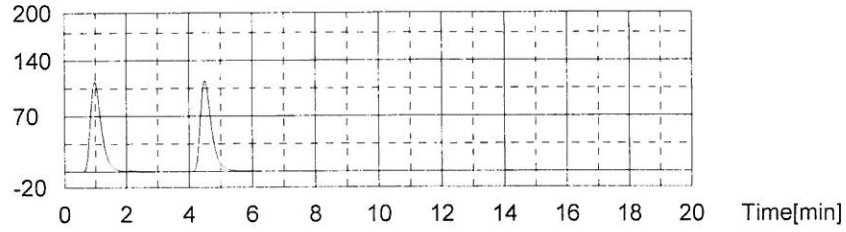
3.26
24

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	292.9	1.641mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 1:32:14 PM
2	289.3	1.620mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 1:37:22 PM

Mean Area 291.1
Mean Conc. 1.631mg/L



Sample

Sample Name: 33592-12 eb
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.04861mg/L

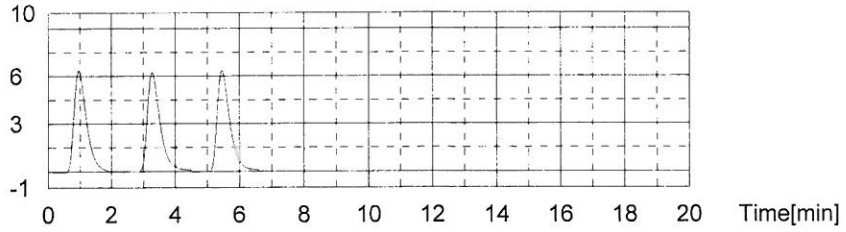
0.05
LT

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	18.67	0.05501mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	1/6/2016 1:49:00 PM
2	17.56	0.04859mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 1:53:31 PM
3	17.57	0.04864mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 1:57:59 PM

Mean Area 17.57
Mean Conc. 0.04861mg/L



Sample

Sample Name: 33592-01 2x
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.769mg/L

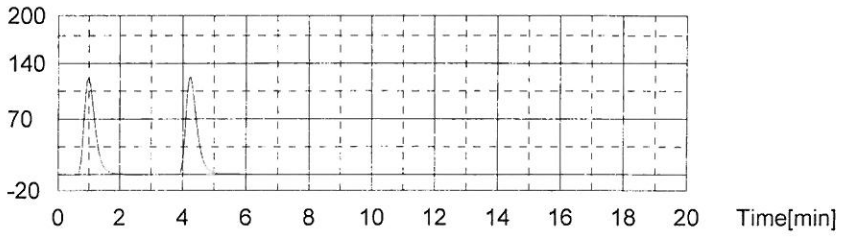
3.54
LT

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	312.2	1.753mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 2:10:17 PM
2	317.9	1.786mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 2:15:44 PM

Mean Area 315.1
Mean Conc. 1.769mg/L



Sample

Sample Name: 33592-02 2x
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.626mg/L

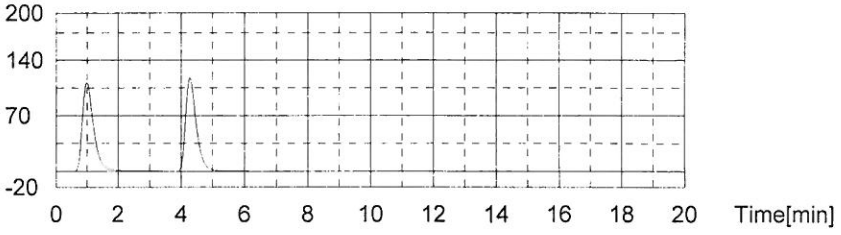
1. Det

3.25

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	291.8	1.635mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 2:28:21 PM
2	288.8	1.617mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 2:33:36 PM

Mean Area 290.3
Mean Conc. 1.626mg/L



Sample

Sample Name: 33592-03 2x
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.693mg/L

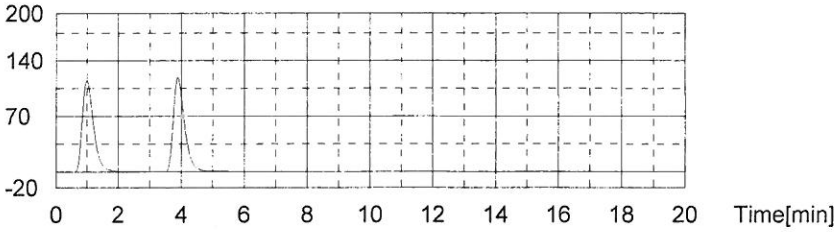
3.39

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	298.9	1.676mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 2:45:48 PM
2	305.0	1.711mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 2:51:14 PM

Mean Area 302.0
Mean Conc. 1.693mg/L



DOC

Sample

Sample Name: fb doc 33592 122215 04:45
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2897mg/L

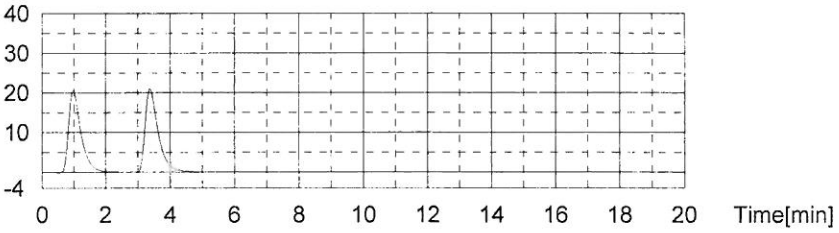
0.29 LT

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	58.45	0.2851mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 3:19:44 PM
2	60.06	0.2944mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 3:24:32 PM

Mean Area 59.26
Mean Conc. 0.2897mg/L



Sample

Sample Name: 33592-01 doc
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.523mg/L

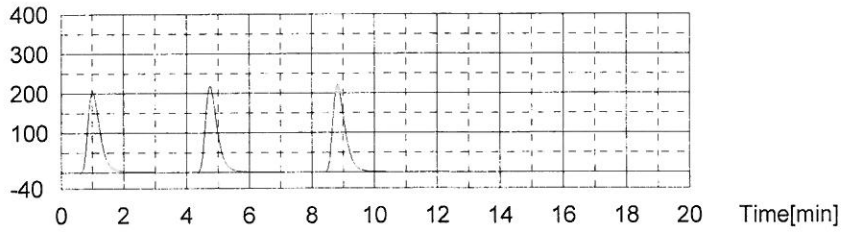
3.52

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	582.8	3.318mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	1/6/2016 3:37:35 PM
2	616.2	3.511mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 3:44:01 PM
3	620.2	3.534mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 3:49:45 PM

Mean Area 618.2
Mean Conc. 3.523mg/L



Sample

Sample Name: 33592-02 doc
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.490mg/L

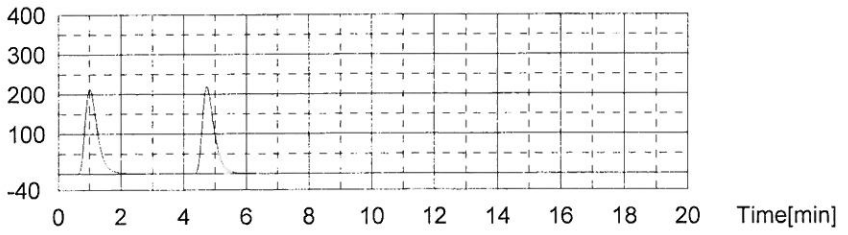
3.49

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	613.2	3.494mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 4:02:36 PM
2	611.9	3.486mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 4:08:29 PM

Mean Area 612.5
Mean Conc. 3.490mg/L



Sample

Sample Name: 33592-03 doc
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.532mg/L

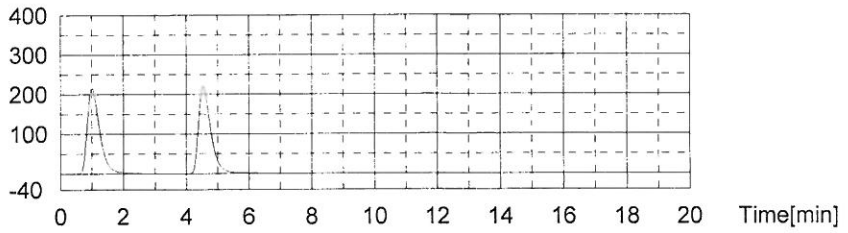
3.53

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	614.9	3.503mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 4:21:19 PM
2	624.9	3.561mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 4:27:16 PM

Mean Area 619.9
Mean Conc. 3.532mg/L



Sample

Sample Name: ccv 2ppm
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.958mg/L

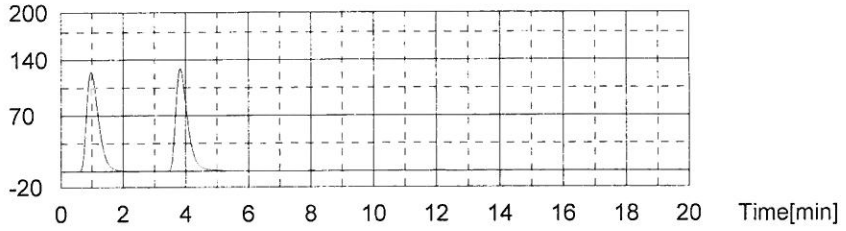
✓

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	346.7	1.952mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 4:51:20 PM
2	348.7	1.964mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 4:56:03 PM

Mean Area 347.7
Mean Conc. 1.958mg/L



Sample

Sample Name: ccb
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

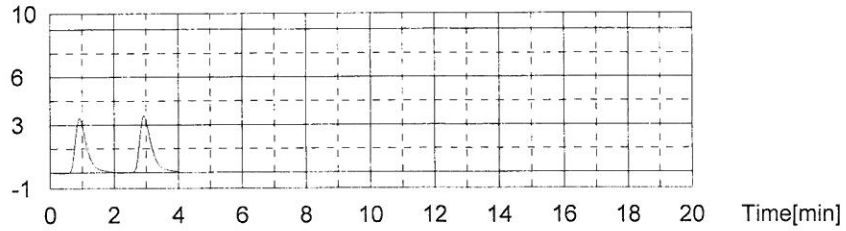
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.00041mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.026	-0.00077mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 5:07:24 PM
2	9.153	-0.00004mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 5:11:45 PM

Mean Area 9.090
Mean Conc. -0.00041mg/L



Sample

#2

Sample Name: mb
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.00430mg/L

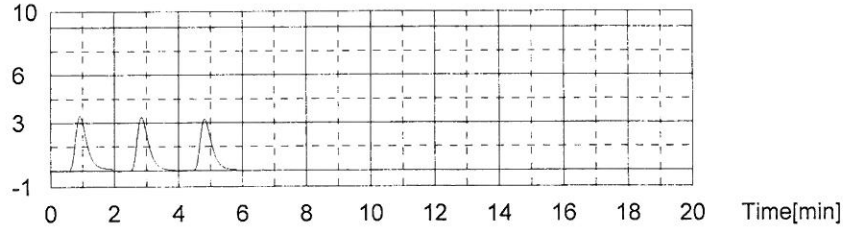
0

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.898	-0.00151mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	1/6/2016 5:23:00 PM
2	8.572	-0.00340mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 5:27:19 PM
3	8.260	-0.00520mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 5:31:35 PM

Mean Area 8.416
Mean Conc. -0.00430mg/L



Sample

#2

Sample Name: lcs 2ppm
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.991mg/L

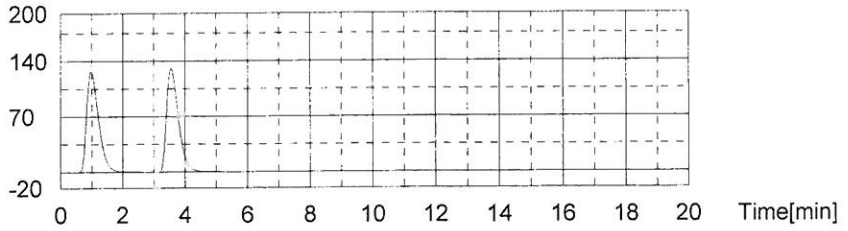
199

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	352.6	1.986mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 5:43:14 PM
2	354.1	1.995mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 5:48:18 PM

Mean Area 353.4
Mean Conc. 1.991mg/L



Sample

Sample Name: 33592-4 doc
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.596mg/L

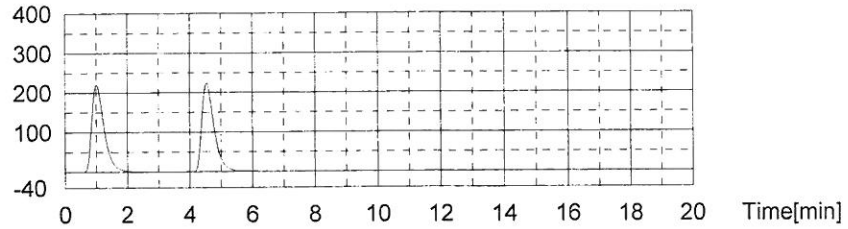
3.60

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	629.4	3.587mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 6:01:14 PM
2	632.5	3.605mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 6:07:09 PM

Mean Area 631.0
Mean Conc. 3.596mg/L



Sample

Sample Name: 33592-5 doc
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.577mg/L

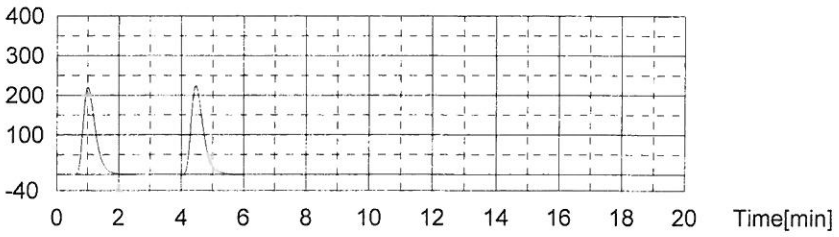
3.58

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	623.1	3.551mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 6:19:56 PM
2	632.2	3.604mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 6:25:34 PM

Mean Area 627.7
Mean Conc. 3.577mg/L



Sample

Sample Name: 33592-6 doc
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.514mg/L

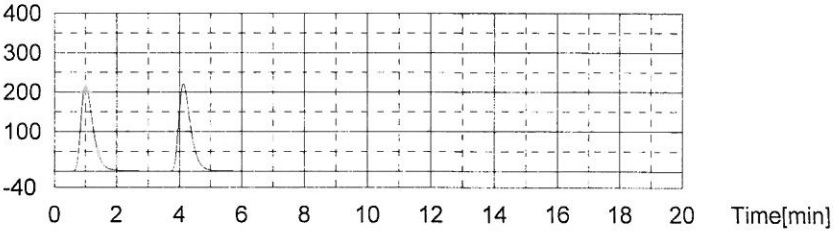
3.51

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	616.6	3.513mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 6:38:01 PM
2	616.7	3.514mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 6:43:53 PM

Mean Area 616.7
Mean Conc. 3.514mg/L



Sample

Sample Name: 33592-7 doc
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.644mg/L

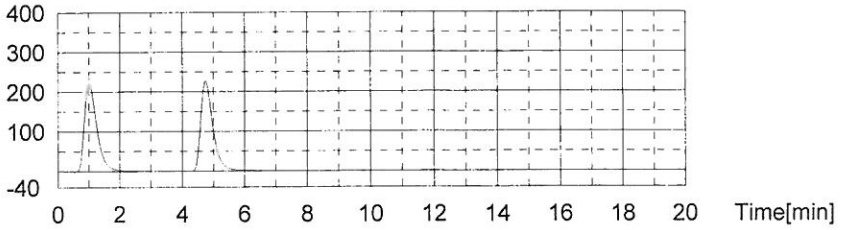
3.64

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	637.0	3.631mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 6:56:56 PM
2	641.3	3.656mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 7:03:03 PM

Mean Area 639.2
Mean Conc. 3.644mg/L



Sample

Sample Name: 33592-9 doc
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.621mg/L

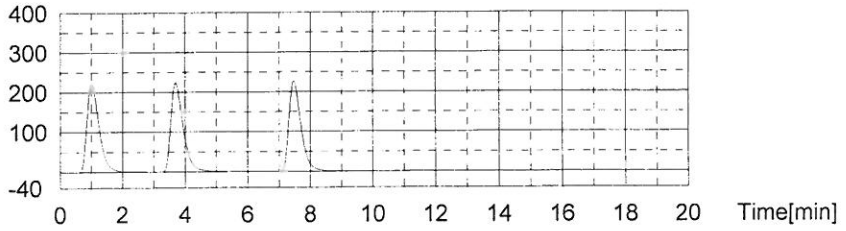
3.62

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	610.4	3.477mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	1/6/2016 7:15:03 PM
2	636.9	3.631mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 7:22:07 PM
3	633.5	3.611mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 7:28:19 PM

Mean Area 635.2
Mean Conc. 3.621mg/L



Sample

Sample Name: 33592-10 doc
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.524mg/L

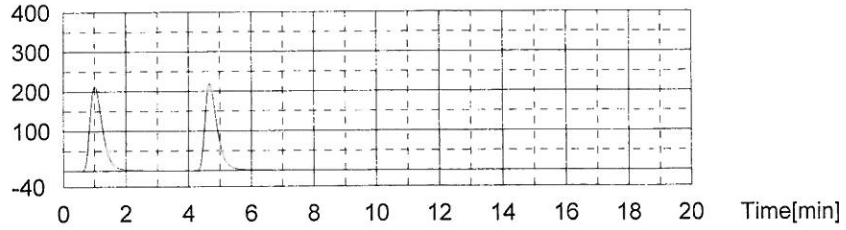
3.52

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	614.0	3.498mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 7:41:03 PM
2	622.9	3.550mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 7:47:06 PM

Mean Area 618.5
Mean Conc. 3.524mg/L



Sample

Sample Name: 33592-11 doc
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.684mg/L

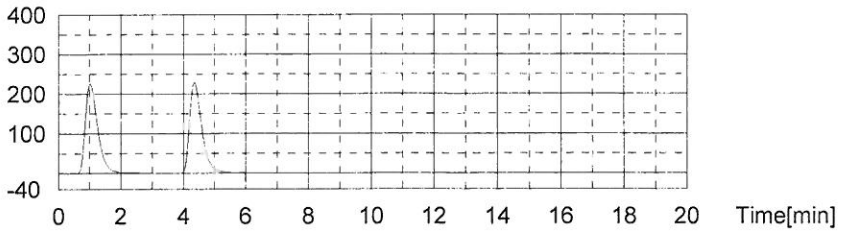
3.68

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	640.9	3.654mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 7:59:45 PM
2	651.4	3.715mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 8:05:53 PM

Mean Area 646.1
Mean Conc. 3.684mg/L



Sample

Sample Name: 33592-12 doc
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1197mg/L

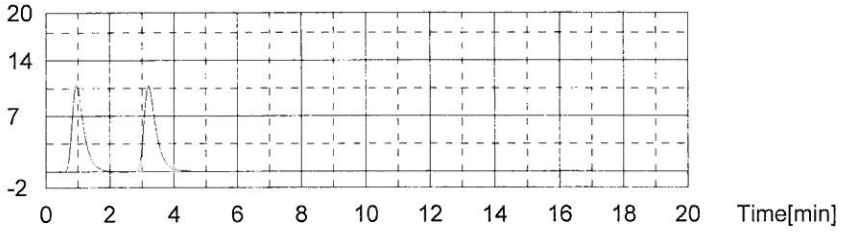
0.12
1+

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	30.27	0.1221mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 8:17:27 PM
2	29.44	0.1173mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 8:22:04 PM

Mean Area 29.86
Mean Conc. 0.1197mg/L



Sample

Sample Name: ccv 2ppm
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

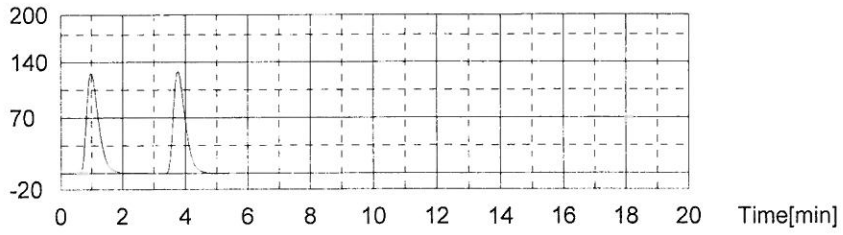
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.992mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	355.2	2.001mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 8:40:55 PM
2	352.0	1.983mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 8:45:52 PM

Mean Area 353.6
Mean Conc. 1.992mg/L



Sample

Sample Name: ccb
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

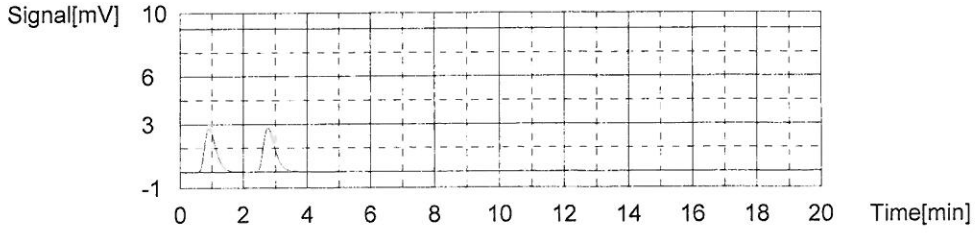
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.01091mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.231	-0.01116mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 8:57:02 PM
2	7.317	-0.01066mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/6/2016 9:01:19 PM

Mean Area	7.274
Mean Conc.	-0.01091mg/L



QC

Instr.Information

System	TOC-VW
Detector	Wet Chemical

Sample

Sample Name:	di
Sample ID:	Untitled
Origin:	11112015 toc3.2015_11_11_07_30_14.cal
Status	Completed
Chk. Result	

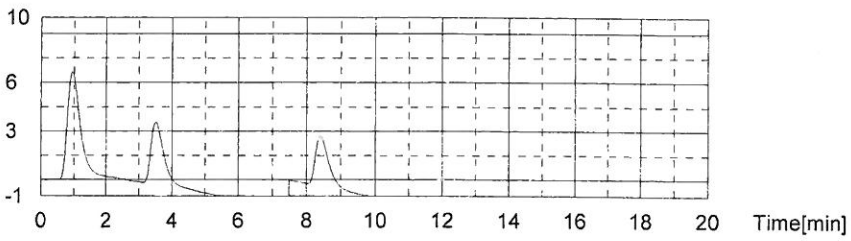
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.00350mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	19.28	0.05853mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	1/7/2016 6:56:33 AM
2	11.43	0.01313mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 7:03:48 AM
3	8.101	-0.00612mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 7:11:04 AM

Mean Area 9.765
Mean Conc. 0.00350mg/L



Sample

Sample Name:	ic ck std 10ppm
Sample ID:	Untitled
Origin:	11112015 toc3.2015_11_11_07_30_14.cal
Status	Completed
Chk. Result	

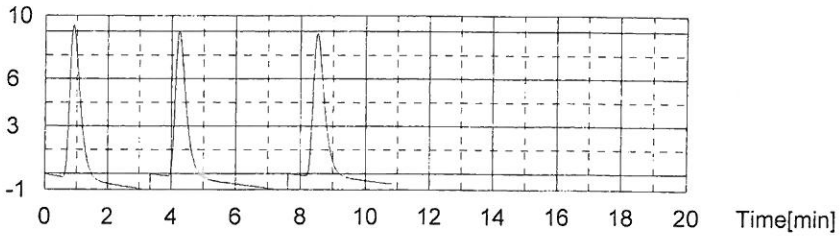
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.07924mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	23.81	0.08473mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	1/7/2016 7:23:27 AM
2	22.62	0.07785mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 7:30:04 AM
3	23.10	0.08063mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 7:35:39 AM

Mean Area 22.86
Mean Conc. 0.07924mg/L



Sample

Sample Name: icv 2ppm
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

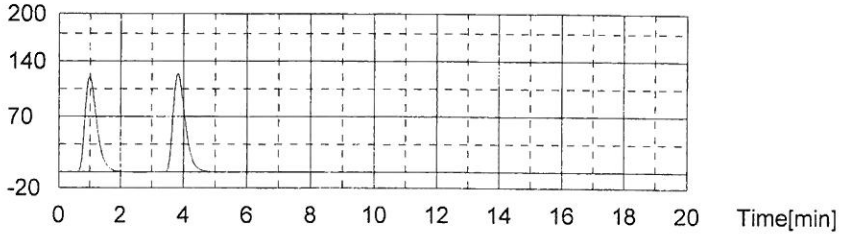
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.912mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	336.1	1.891mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 7:47:31 AM
2	343.3	1.933mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 7:52:45 AM

Mean Area 339.7
Mean Conc. 1.912mg/L



Sample

Sample Name: icb
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

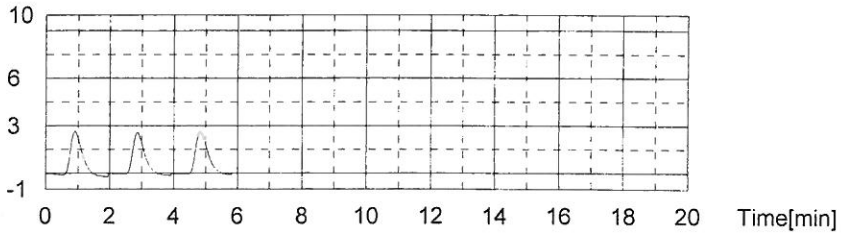
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.01097mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.338	-0.01054mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 8:04:00 AM
2	6.919	-0.01296mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	1/7/2016 8:08:19 AM
3	7.188	-0.01140mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 8:12:35 AM

Mean Area 7.263
Mean Conc. -0.01097mg/L



Sample

Sample Name: mb
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

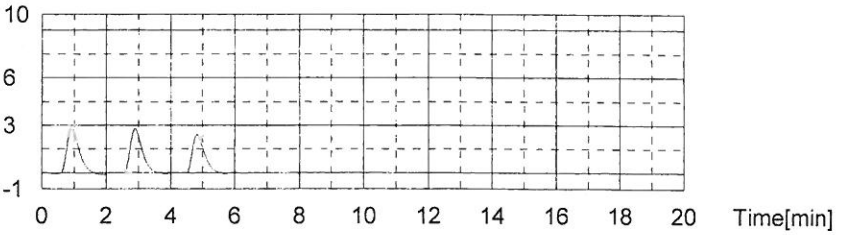
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.00745mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.116	-0.00604mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 8:23:35 AM
2	7.627	-0.00886mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 8:27:53 AM
3	6.486	-0.01546mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	1/7/2016 8:32:07 AM

Mean Area 7.872
Mean Conc. -0.00745mg/L



Sample

Sample Name: lcs 2ppm
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.879mg/L

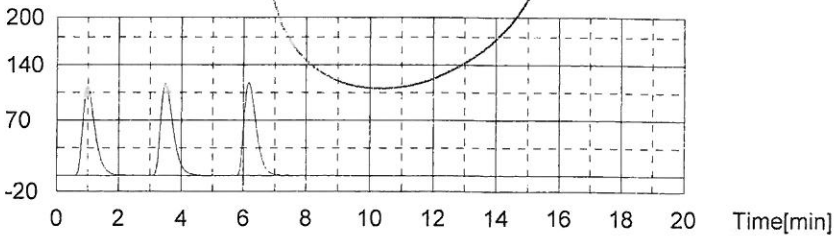
1.88

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	323.8	1.820mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	1/7/2016 8:43:39 AM
2	334.5	1.882mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 8:49:32 AM
3	333.5	1.876mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 8:54:35 AM

Mean Area 334.0
Mean Conc. 1.879mg/L



reported prep time

Sample

Sample Name: fb doc 241 010716 07:35
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8814mg/L

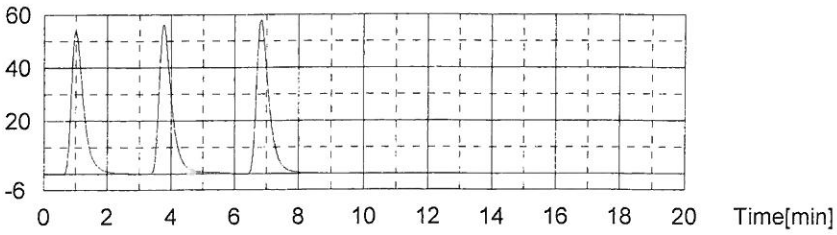
0.88

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	154.5	0.8406mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	1/7/2016 9:08:46 AM
2	159.5	0.8695mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 9:14:12 AM
3	163.6	0.8933mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 9:19:37 AM

Mean Area 161.6
Mean Conc. 0.8814mg/L



Sample

Sample Name: 241-01 100x doc
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7536mg/L

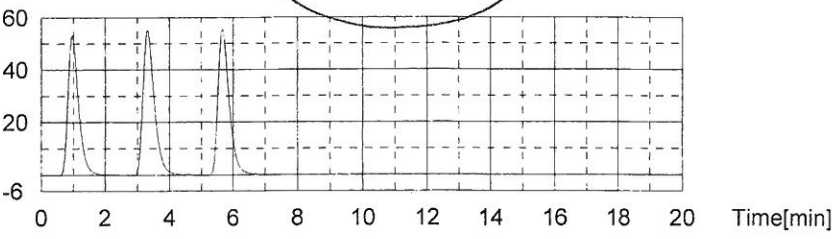
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	132.1	0.7111mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	1/7/2016 9:31:00 AM
2	139.0	0.7510mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 9:35:42 AM
3	139.9	0.7562mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 9:40:30 AM

repeated sample analysis

Mean Area 139.4
Mean Conc. 0.7536mg/L



Sample

Sample Name: 241-01 20x doc
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

65.2
20x

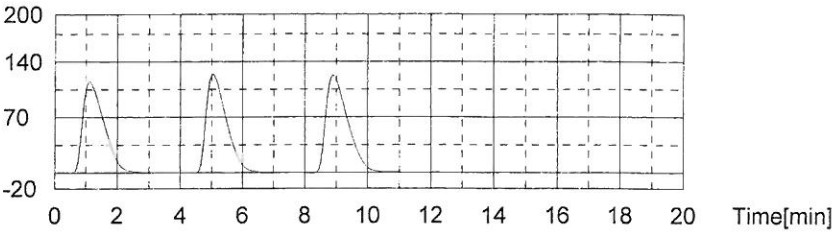
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.261mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	563.6	3.207mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 10:00:52 AM
2	582.5	3.316mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 10:07:04 AM
3	610.1	3.476mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	1/7/2016 10:13:22 AM

Mean Area 573.0
Mean Conc. 3.261mg/L



Sample

Sample Name: 241-01 dup 20x doc
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

(65.2)

30.4
20+

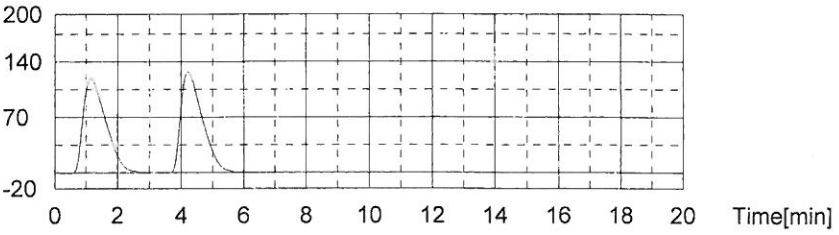
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.531mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	612.0	3.487mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 10:25:30 AM
2	627.2	3.575mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 10:31:55 AM

Mean Area 619.6
Mean Conc. 3.531mg/L



Sample

(65.2)

Sample Name: 241-01 spk 80ppm 20x doc
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

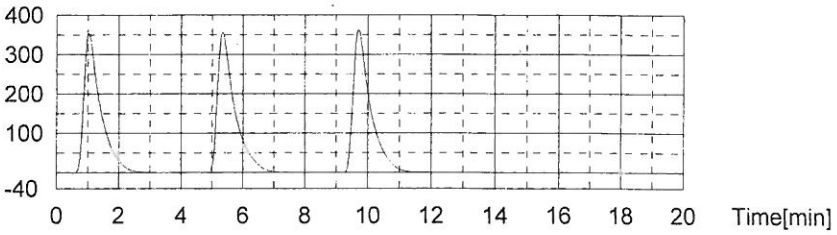
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:8.111mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1367	7.854mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	1/7/2016 10:45:31 AM
2	1426	8.195mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 10:52:14 AM
3	1397	8.027mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 10:58:28 AM

Mean Area 1412
Mean Conc. 8.111mg/L



Sample

Sample Name: ccv 2ppm
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

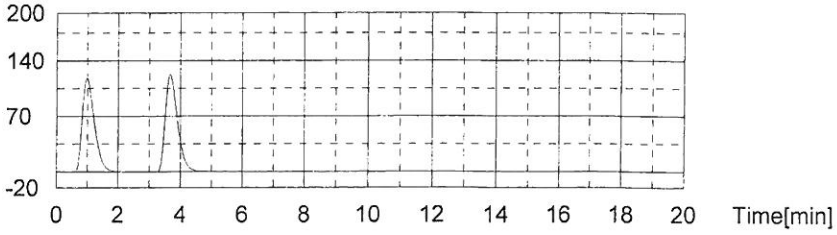
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.932mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	339.4	1.910mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 11:12:34 AM
2	347.0	1.954mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 11:17:37 AM

Mean Area 343.2
Mean Conc. 1.932mg/L



Sample

Sample Name: ccb
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

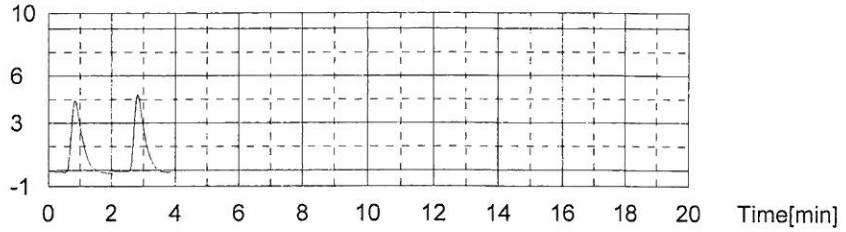
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.01154mg/L

1. Det

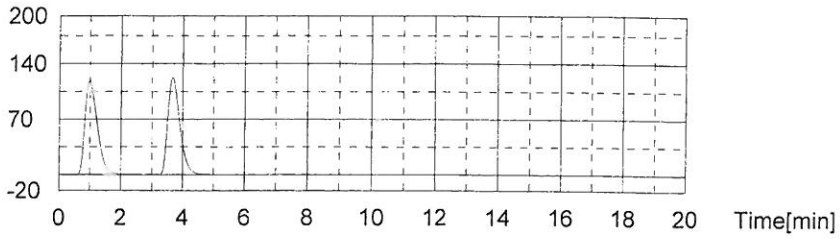
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.15	0.01151mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 11:28:55 AM
2	11.16	0.01157mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 11:33:08 AM

Mean Area 11.16
Mean Conc. 0.01154mg/L



Mean Area 343.2
Mean Conc. 1.932mg/L



reprint 01/07/16

Sample

Sample Name: ccb
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

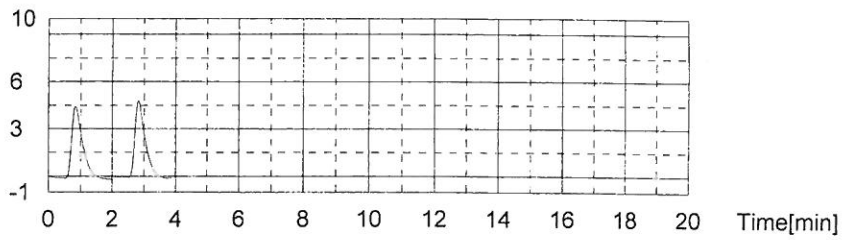
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.01154mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.15	0.01151mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 11:28:55 AM
2	11.16	0.01157mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 11:33:08 AM

Mean Area 11.16
Mean Conc. 0.01154mg/L



Sample

Sample Name: 32-01 2x
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.121mg/L

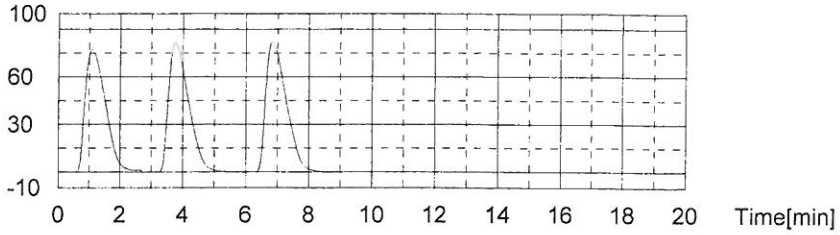
4.24
24

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	355.9	2.005mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	1/7/2016 11:55:51 AM
2	371.5	2.096mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 12:02:18 PM
3	380.3	2.147mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 12:08:22 PM

Mean Area 375.9
Mean Conc. 2.121mg/L



Sample

Sample Name: 360-01 400x
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

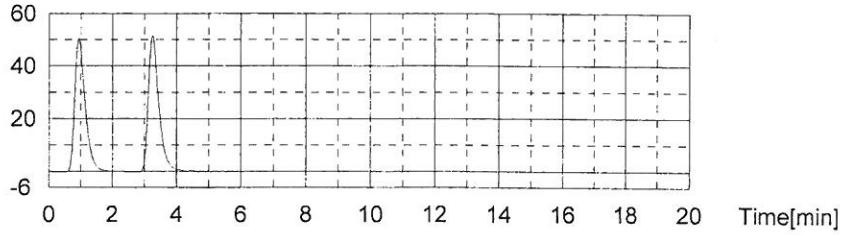
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6454mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	119.9	0.6405mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 12:19:44 PM
2	121.6	0.6503mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 12:24:23 PM

Mean Area 120.8
Mean Conc. 0.6454mg/L



Sample

Sample Name: 365-01 2x
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.156mg/L

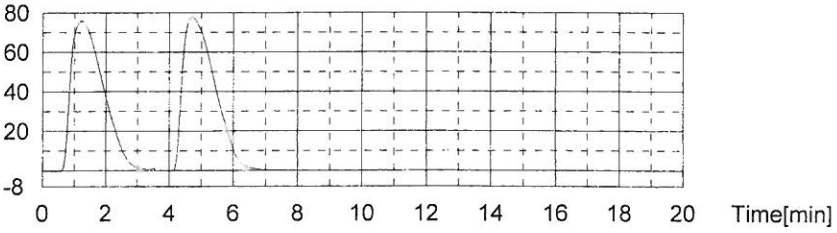
6.31
ZA

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	551.2	3.135mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 12:37:13 PM
2	558.6	3.178mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 12:44:46 PM

Mean Area 554.9
Mean Conc. 3.156mg/L



Sample

Sample Name: 33592-05 2x dup toc qc 010616
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.750mg/L

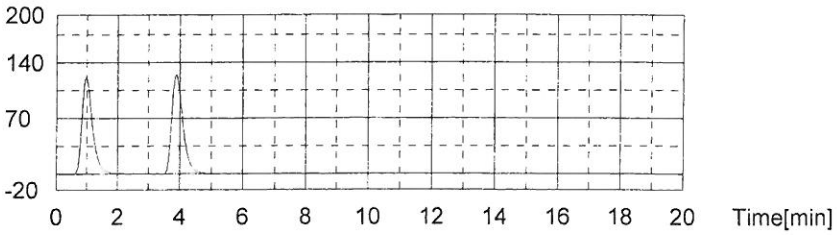
3.5
ZA

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	310.3	1.742mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 12:57:00 PM
2	313.0	1.757mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 1:02:10 PM

Mean Area 311.6
Mean Conc. 1.750mg/L



109.1.

Sample

Sample Name: 33592-05 2x spk 8ppm toc qc
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.052mg/L

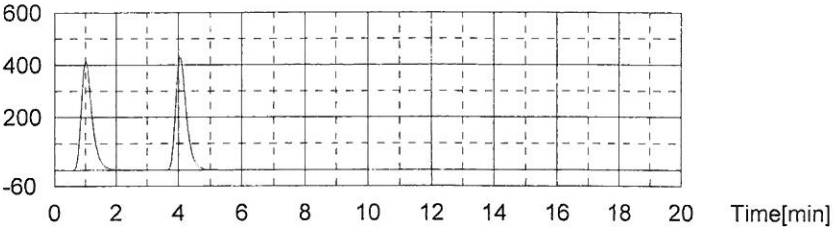
12.1
2x

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1061	6.084mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 1:14:31 PM
2	1050	6.020mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 1:20:44 PM

Mean Area 1056
Mean Conc. 6.052mg/L



Sample

Sample Name: 33592-05 dup doc qc 010616
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.540mg/L

3.54
1x
~~7.08~~
~~2x~~

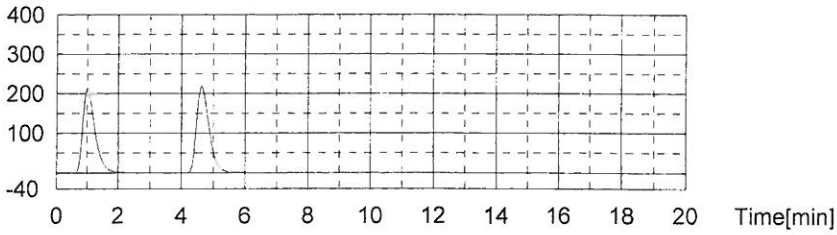
1. Det

1/8/16

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	621.6	3.542mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 1:33:39 PM
2	620.7	3.537mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 1:39:34 PM

Mean Area 621.2
Mean Conc. 3.540mg/L



Sample

Sample Name: 33592-05 spk 4ppm doc qc
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

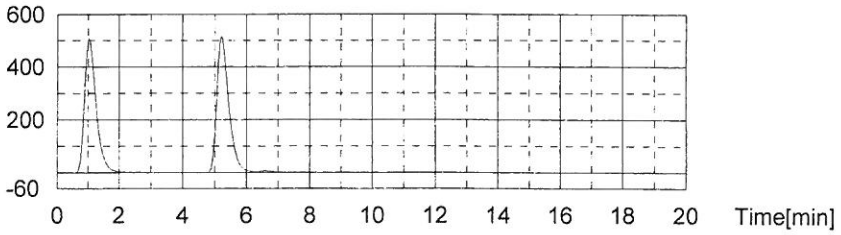
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:8.094mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1395	8.015mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 1:53:03 PM
2	1422	8.172mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 1:59:13 PM

Mean Area 1409
Mean Conc. 8.094mg/L



Sample

Sample Name: 00360.1 80x
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.607mg/L

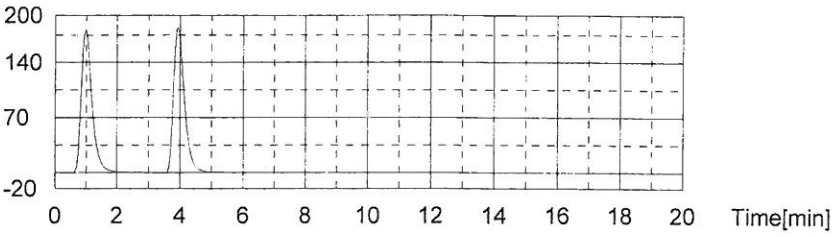
209
80+

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	465.2	2.638mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 2:32:02 PM
2	454.7	2.577mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 2:37:00 PM

Mean Area 460.0
Mean Conc. 2.607mg/L



Sample

Sample Name: 00032.1dp 2x
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.377mg/L

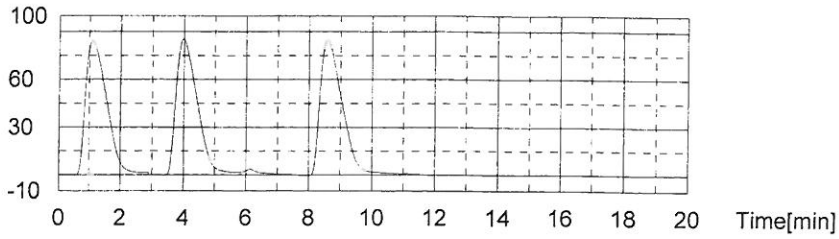
4.75
2

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	402.6	2.276mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	1/7/2016 2:49:11 PM
2	420.7	2.380mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 2:57:35 PM
3	419.4	2.373mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 3:03:59 PM

Mean Area 420.1
Mean Conc. 2.377mg/L



Sample

Sample Name: 00032.1spk 2x
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.584mg/L

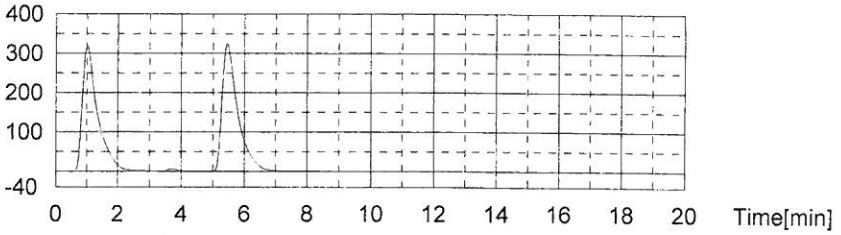
13.2
24

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1145	6.569mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 3:17:28 PM
2	1150	6.598mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 3:24:37 PM

Mean Area 1148
Mean Conc. 6.584mg/L



Sample

Sample Name: 2ppm ccv
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.960mg/L

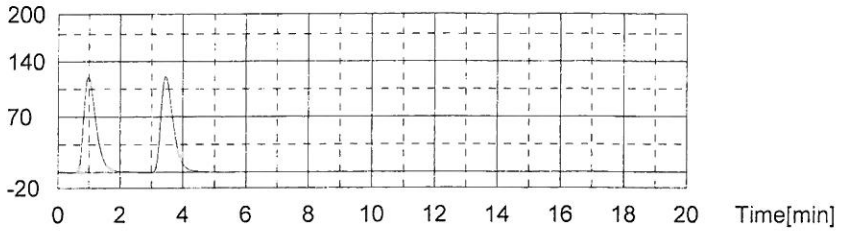
✓

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	348.1	1.960mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 3:38:35 PM
2	348.0	1.960mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 3:44:40 PM

Mean Area 348.1
Mean Conc. 1.960mg/L



Sample

Sample Name: ccb
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

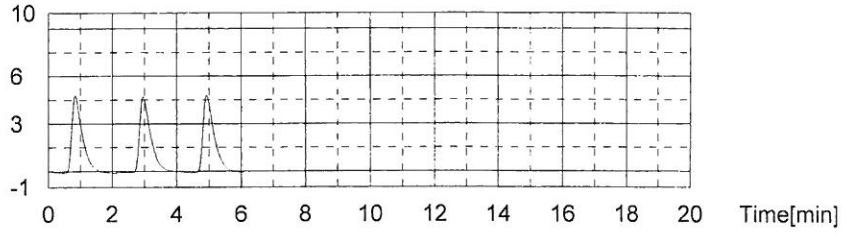
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.01417mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.96	0.01620mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	1/7/2016 3:56:07 PM
2	11.56	0.01388mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 4:00:26 PM
3	11.66	0.01446mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 4:04:45 PM

Mean Area 11.61
Mean Conc. 0.01417mg/L



Sample

Sample Name: 00365.1dp 2x
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.163mg/L

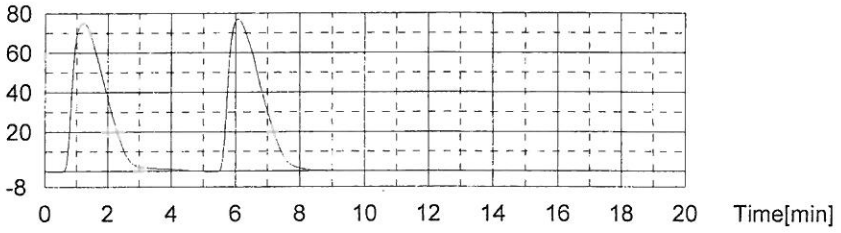
6.33
VA

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	560.8	3.191mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 4:21:19 PM
2	551.3	3.136mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 4:27:48 PM

Mean Area 556.1
Mean Conc. 3.163mg/L



Sample

Sample Name: 00365.1spk 2x
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:7.454mg/L

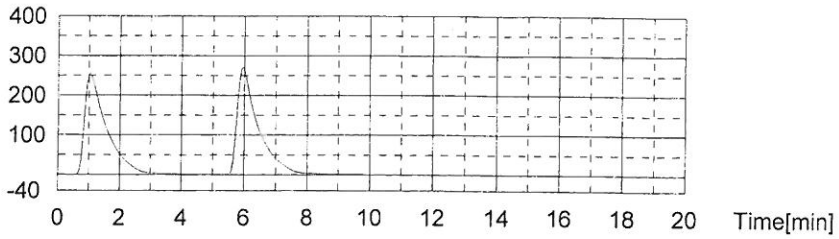
14.9
VA

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1291	7.414mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 4:42:01 PM
2	1305	7.495mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 4:49:38 PM

Mean Area 1298
Mean Conc. 7.454mg/L



Sample

Sample Name: 2ppm ccv
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

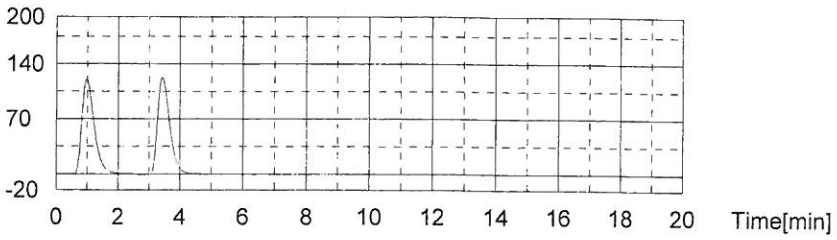
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.935mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	344.4	1.939mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 5:01:24 PM
2	343.0	1.931mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 5:06:16 PM

Mean Area 343.7
Mean Conc. 1.935mg/L



Sample

Sample Name: ccb
Sample ID: Untitled
Origin: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed
Chk. Result

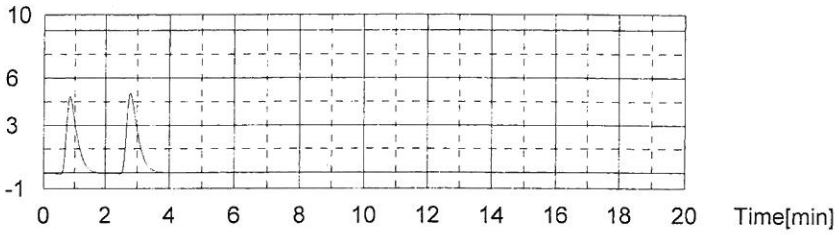
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.01955mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.37	0.01857mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 5:17:32 PM
2	12.71	0.02053mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	1/7/2016 5:21:48 PM

Mean Area 12.54
Mean Conc. 0.01955mg/L



Work Group

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Jan 12 2016, 11:47 am

Work Group: WG855076 for Department: 7 Wet Chemistry

Created: 06-JAN-16 Due: Operator: dw

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1533592-01	SW-1A-20151217	S	DOC-5310	WATER	DONE	U	0114	0112	S0	Amber-A1
L1533592-02	SW-1B-20151217	S	DOC-5310	WATER	DONE	U	0114	0112	S0	Amber-A1
L1533592-03	SW-1C-20151217	S	DOC-5310	WATER	DONE	U	0114	0112	S0	Amber-A1
L1533592-04	SW-2A-20151217	S	DOC-5310	WATER	DONE	U	0114	0112	S0	Amber-A1
L1533592-05	SW-2B-20151217	S	DOC-5310	WATER	DONE	U	0114	0112	S0	Amber-A1
L1533592-06	SW-2C-20151217	S	DOC-5310	WATER	DONE	U	0114	0112	S0	Amber-A1
L1533592-07	DUP-20151217	S	DOC-5310	WATER	DONE	U	0114	0112	S0	Amber-A1
L1533592-09	SW-3A-20151217	S	DOC-5310	WATER	DONE	U	0114	0112	S0	Amber-A1
L1533592-10	SW-3B-20151217	S	DOC-5310	WATER	DONE	U	0114	0112	S0	Amber-A1
L1533592-11	SW-3C-20151217	S	DOC-5310	WATER	DONE	U	0114	0112	S0	Amber-A1
L1533592-12	EB20151217	S	DOC-5310	WATER	DONE	U	0114	0112	S0	Amber-A1
WG855076-1	Laboratory Method Bl	S	DOC-5310	WATER	DONE	U				
WG855076-2	Laboratory Control S	S	DOC-5310	WATER	DONE	U				
WG855076-3	Duplicate Sample	S	DOC-5310	WATER	DONE	U				
WG855076-4	Matrix Spike	S	DOC-5310	WATER	DONE	U				

Comments:

WG855076-3	L1533592-05
WG855076-4	L1533592-05

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Jan 12 2016, 11:47 am

Work Group: WG855077 for Department: 7 Wet Chemistry

Created: 06-JAN-16 Due: Operator: dw

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1533592-01	SW-1A-20151217	S	TOC-5310	WATER	DONE	U	0114	0112	S0	Vial-D
L1533592-02	SW-1B-20151217	S	TOC-5310	WATER	DONE	U	0114	0112	S0	Vial-D
L1533592-03	SW-1C-20151217	S	TOC-5310	WATER	DONE	U	0114	0112	S0	Vial-D
L1533592-04	SW-2A-20151217	S	TOC-5310	WATER	DONE	U	0114	0112	S0	Vial-D
L1533592-05	SW-2B-20151217	S	TOC-5310	WATER	DONE	U	0114	0112	S0	Vial-D
L1533592-06	SW-2C-20151217	S	TOC-5310	WATER	DONE	U	0114	0112	S0	Vial-D
L1533592-07	DUP-20151217	S	TOC-5310	WATER	DONE	U	0114	0112	S0	Vial-D
L1533592-09	SW-3A-20151217	S	TOC-5310	WATER	DONE	U	0114	0112	S0	Vial-D
L1533592-10	SW-3B-20151217	S	TOC-5310	WATER	DONE	U	0114	0112	S0	Vial-D
L1533592-11	SW-3C-20151217	S	TOC-5310	WATER	DONE	U	0114	0112	S0	Vial-D
L1533592-12	EB20151217	S	TOC-5310	WATER	DONE	U	0114	0112	S0	Vial-D
WG855077-1	Laboratory Method Bl	S	TOC-5310	WATER	DONE	U				
WG855077-2	Laboratory Control S	S	TOC-5310	WATER	DONE	U				
WG855077-3	Duplicate Sample	S	TOC-5310	WATER	DONE	U				
WG855077-4	Matrix Spike	S	TOC-5310	WATER	DONE	U				

Comments:

WG855077-3	L1533592-05
WG855077-4	L1533592-05

Alpha Report

ANALYTICAL REPORT

Lab Number:	L1533592
Client:	Anchor QEA, LLC 720 Olive Way Suite 1900 Seattle, WA 98101
ATTN:	Cindy Fields
Phone:	(818) 422-4820
Project Name:	FORMER GLEN FALLS OU-2
Project Number:	E50593-01.01
Report Date:	01/12/16

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), ME (MA00030), PA (68-02089), VA (460194), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), USFWS (Permit #LE2069641), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1533592-01	SW-1A-20151217	WATER	GLEN FALLS, NY	12/17/15 11:20	12/18/15
L1533592-02	SW-1B-20151217	WATER	GLEN FALLS, NY	12/17/15 11:15	12/18/15
L1533592-03	SW-1C-20151217	WATER	GLEN FALLS, NY	12/17/15 10:50	12/18/15
L1533592-04	SW-2A-20151217	WATER	GLEN FALLS, NY	12/17/15 11:45	12/18/15
L1533592-05	SW-2B-20151217	WATER	GLEN FALLS, NY	12/17/15 11:55	12/18/15
L1533592-06	SW-2C-20151217	WATER	GLEN FALLS, NY	12/17/15 12:15	12/18/15
L1533592-07	DUP-20151217	WATER	GLEN FALLS, NY	12/17/15 00:00	12/18/15
L1533592-08	TRIP BLANK-20151217	WATER	GLEN FALLS, NY	12/17/15 00:00	12/18/15
L1533592-09	SW-3A-20151217	WATER	GLEN FALLS, NY	12/17/15 14:10	12/18/15
L1533592-10	SW-3B-20151217	WATER	GLEN FALLS, NY	12/17/15 14:20	12/18/15
L1533592-11	SW-3C-20151217	WATER	GLEN FALLS, NY	12/17/15 14:25	12/18/15
L1533592-12	EB20151217	WATER	GLEN FALLS, NY	12/17/15 16:00	12/18/15

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592
Project Number: E50593-01.01 **Report Date:** 01/12/16

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592
Project Number: E50593-01.01 **Report Date:** 01/12/16

Case Narrative (continued)

Report Submission
All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics
The WG854069-4/-5 MS/MSD recoveries, performed on L1533592-05, are above the acceptance criteria for 1,1,1-Trichloroethane (131%/132%) and Chloromethane (141%/145%); however, the associated LCS/LCSD recoveries are within overall method allowances. The results of the native sample are considered to have a potentially high bias for these compounds. In addition, the WG854069-4/-5 MS/MSD RPD is above the acceptance criteria for Methyl acetate (34%).

Semivolatile Organics
Samples L1533592-01 through -07 and -09, -10, -11 and -12: The initial calibration verification standard has the following compounds with percent difference above the 30% criteria: Benzaldehyde (39.6%D), 2,4-Dinitrophenol (36.9%D) and Pentachlorophenol (31.9%D) Since these compounds represent less 10% of the compounds reported, and the percent differences were less than 40%, the calibration was accepted.

The WG852537-2/-3 LCS/LCSD recoveries, associated with L1533592-01 through -07 and -09 through -12, are outside the acceptance criteria for Pyridine (36%/39%), 1,3-Dichlorobenzene (39%/34%), 1,4-Dichlorobenzene (35%-LCSD only), 1,2-Dichlorobenzene (36%-LCSD only), Hexachloroethane (36%/34%), Benzoic acid (18%/13%), 1,2,4-Trichlorobenzene (37%-LCSD only), Hexachlorobutadiene (33%/34%), Caprolactam (28%/28%) and Benzidine (12%/30%). In addition, the WG852537-2/-3 LCS/LCSD RPD(s), are above the acceptance criteria for Bis(2-chloroisopropyl)ether (25%), Benzoic acid (32%), Dibenzofuran (23%), 4-Chlorophenyl-phenylether (23%) and Benzidine (86%). The LCS/LCSD is within overall method allowance, therefore no further action was taken.

The WG852537-4/-5 MS/MSD recoveries, performed on L1533592-05, are outside the acceptance criteria for Pyridine (25%/32%), Phenol (24%/27%), 1,3-Dichlorobenzene (31%/36%), 1,4-Dichlorobenzene (32%/36%),

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592
Project Number: E50593-01.01 **Report Date:** 01/12/16

Case Narrative (continued)

1,2-Dichlorobenzene (33%/38%), Hexachloroethane (30%/34%), Benzoic acid (30%/32%), 1,2,4-Trichlorobenzene (34%-MS only), Hexachlorobutadiene (30%/35%), Caprolactam (25%/27%), 1,2,4,5-Tetrachlorobenzene (36%-MS only), Hexachlorocyclopentadiene (36%-MS only) and Benzidine (0%/6%). In addition, the WG852537-4/-5 MS/MSD RPDs are above the acceptance criteria for Pyridine (27%), Aniline (21%) and 2,4-Dimethylphenol (43%).

Dissolved Organic Carbon
Sample volume for the DOC analysis was obtained from the 1L amber glass container submitted for Semivolatiles, as the DOC sample containers were pre-preserved and could not be used.

Samples L1533592-02 through -07, and -09 through -12: The DOC result is greater than the TOC result due to the filtering procedure required by the DOC method.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Porta

Title: Technical Director/Representative Date: 01/12/16

ORGANICS

VOLATILES

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-01
Client ID: SW-1A-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/30/15 16:47
Analyst: PD

Date Collected: 12/17/15 11:20
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-01 Date Collected: 12/17/15 11:20

Client ID: SW-1A-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	104		70-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-02
Client ID: SW-1B-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/30/15 17:15
Analyst: PD

Date Collected: 12/17/15 11:15
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-02 Date Collected: 12/17/15 11:15

Client ID: SW-1B-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	104		70-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-03
Client ID: SW-1C-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/30/15 17:43
Analyst: PD

Date Collected: 12/17/15 10:50
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-03 Date Collected: 12/17/15 10:50

Client ID: SW-1C-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	106		70-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-04
Client ID: SW-2A-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/30/15 18:11
Analyst: PD

Date Collected: 12/17/15 11:45
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	0.17	J	ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-04 Date Collected: 12/17/15 11:45

Client ID: SW-2A-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	106		70-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-05
Client ID: SW-2B-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/30/15 15:22
Analyst: PD

Date Collected: 12/17/15 11:55
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-05 Date Collected: 12/17/15 11:55

Client ID: SW-2B-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	105		70-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-06
Client ID: SW-2C-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/30/15 18:40
Analyst: PD

Date Collected: 12/17/15 12:15
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-06 Date Collected: 12/17/15 12:15

Client ID: SW-2C-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	107		70-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-07
Client ID: DUP-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/31/15 12:47
Analyst: PD

Date Collected: 12/17/15 00:00
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-07 Date Collected: 12/17/15 00:00

Client ID: DUP-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	105		70-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-08
Client ID: TRIP BLANK-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/31/15 13:15
Analyst: PD

Date Collected: 12/17/15 00:00
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-08 Date Collected: 12/17/15 00:00

Client ID: TRIP BLANK-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	108		70-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-09
Client ID: SW-3A-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/31/15 13:44
Analyst: PD

Date Collected: 12/17/15 14:10
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-09 Date Collected: 12/17/15 14:10

Client ID: SW-3A-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	106		70-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-10
Client ID: SW-3B-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/31/15 14:12
Analyst: PD

Date Collected: 12/17/15 14:20
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-10 Date Collected: 12/17/15 14:20

Client ID: SW-3B-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	106		70-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-11
Client ID: SW-3C-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/31/15 14:40
Analyst: PD

Date Collected: 12/17/15 14:25
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-11 Date Collected: 12/17/15 14:25

Client ID: SW-3C-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	108		70-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-12
Client ID: EB20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/31/15 15:08
Analyst: PD

Date Collected: 12/17/15 16:00
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	0.50	J	ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-12 Date Collected: 12/17/15 16:00

Client ID: EB20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	14		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	111		70-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/31/15 11:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-12 Batch: WG853951-10					
Methylene chloride	ND		ug/l	3.0	0.29
1,1-Dichloroethane	ND		ug/l	0.75	0.21
Chloroform	ND		ug/l	0.75	0.16
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.8	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	0.50	0.18
Trichlorofluoromethane	ND		ug/l	2.5	0.16
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	0.75	0.16
Ethylbenzene	ND		ug/l	0.50	0.17
Chloromethane	ND		ug/l	2.5	0.18
Bromomethane	ND		ug/l	1.0	0.26
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	1.0	0.13
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/31/15 11:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-12 Batch: WG853951-10					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19
Methyl tert butyl ether	ND		ug/l	1.0	0.16
p/m-Xylene	ND		ug/l	1.0	0.33
o-Xylene	ND		ug/l	1.0	0.33
Xylenes, Total	ND		ug/l	1.0	0.33
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19
Styrene	ND		ug/l	1.0	0.36
Dichlorodifluoromethane	ND		ug/l	5.0	0.24
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	0.30
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	0.31
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42
2-Hexanone	ND		ug/l	5.0	0.52
Bromochloromethane	ND		ug/l	2.5	0.14
1,2-Dibromoethane	ND		ug/l	2.0	0.19
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33
Isopropylbenzene	ND		ug/l	0.50	0.19
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22
Methyl Acetate	ND		ug/l	10	0.23
Cyclohexane	ND		ug/l	10	0.27
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	10	0.15
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/31/15 11:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-12 Batch: WG853951-10					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	105		70-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/30/15 09:17
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG854069-3					
Methylene chloride	ND		ug/l	3.0	0.29
1,1-Dichloroethane	ND		ug/l	0.75	0.21
Chloroform	ND		ug/l	0.75	0.16
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.8	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	0.50	0.18
Trichlorofluoromethane	ND		ug/l	2.5	0.16
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	0.75	0.16
Ethylbenzene	ND		ug/l	0.50	0.17
Chloromethane	ND		ug/l	2.5	0.18
Bromomethane	ND		ug/l	1.0	0.26
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	1.0	0.13
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/30/15 09:17
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG854069-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19
Methyl tert butyl ether	ND		ug/l	1.0	0.16
p/m-Xylene	ND		ug/l	1.0	0.33
o-Xylene	ND		ug/l	1.0	0.33
Xylenes, Total	ND		ug/l	1.0	0.33
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19
Styrene	ND		ug/l	1.0	0.36
Dichlorodifluoromethane	ND		ug/l	5.0	0.24
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	0.30
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	0.31
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42
2-Hexanone	ND		ug/l	5.0	0.52
Bromochloromethane	ND		ug/l	2.5	0.14
1,2-Dibromoethane	ND		ug/l	2.0	0.19
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33
Isopropylbenzene	ND		ug/l	0.50	0.19
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22
Methyl Acetate	ND		ug/l	10	0.23
Cyclohexane	ND		ug/l	10	0.27
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	10	0.15
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/30/15 09:17
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG854069-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	106		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-12 Batch: WG853951-8 WG853951-9								
Methylene chloride	102		110		70-130	8		20
1,1-Dichloroethane	104		114		70-130	9		20
Chloroform	99		106		70-130	7		20
Carbon tetrachloride	104		116		63-132	11		20
1,2-Dichloropropane	100		108		70-130	8		20
Dibromochloromethane	103		110		63-130	7		20
1,1,2-Trichloroethane	98		110		70-130	12		20
Tetrachloroethene	101		109		70-130	8		20
Chlorobenzene	100		107		75-130	7		25
Trichlorofluoromethane	76		78		62-150	3		20
1,2-Dichloroethane	99		103		70-130	4		20
1,1,1-Trichloroethane	104		112		67-130	7		20
Bromodichloromethane	94		104		67-130	10		20
trans-1,3-Dichloropropene	99		105		70-130	6		20
cis-1,3-Dichloropropene	94		102		70-130	8		20
Bromoform	86		96		54-136	11		20
1,1,2,2-Tetrachloroethane	107		111		67-130	4		20
Benzene	98		106		70-130	8		25
Toluene	101		108		70-130	7		25
Ethylbenzene	93		99		70-130	6		20
Chloromethane	125		130		64-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2

Project Number: E50593-01.01

Lab Number: L1533592

Report Date: 01/12/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-12 Batch: WG853951-8 WG853951-9								
Bromomethane	81		96		39-139	17		20
Vinyl chloride	98		103		55-140	5		20
Chloroethane	79		79		55-138	0		20
1,1-Dichloroethene	74		77		61-145	4		25
trans-1,2-Dichloroethene	104		112		70-130	7		20
Trichloroethene	98		106		70-130	8		25
1,2-Dichlorobenzene	98		107		70-130	9		20
1,3-Dichlorobenzene	96		105		70-130	9		20
1,4-Dichlorobenzene	96		102		70-130	6		20
Methyl tert butyl ether	90		97		63-130	7		20
p/m-Xylene	91		97		70-130	6		20
o-Xylene	86		88		70-130	2		20
cis-1,2-Dichloroethene	95		107		70-130	12		20
Styrene	88		93		70-130	6		20
Dichlorodifluoromethane	113		116		36-147	3		20
Acetone	75		80		58-148	6		20
Carbon disulfide	67		70		51-130	4		20
2-Butanone	94		92		63-138	2		20
Vinyl acetate	101		105		70-130	4		20
4-Methyl-2-pentanone	80		80		59-130	0		20
2-Hexanone	88		86		57-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2

Project Number: E50593-01.01

Lab Number: L1533592

Report Date: 01/12/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-12 Batch: WG853951-8 WG853951-9								
Bromochloromethane	105		112		70-130	6		20
1,2-Dibromoethane	102		107		70-130	5		20
1,2-Dibromo-3-chloropropane	95		98		41-144	3		20
Isopropylbenzene	94		103		70-130	9		20
1,2,3-Trichlorobenzene	91		97		70-130	6		20
1,2,4-Trichlorobenzene	88		90		70-130	2		20
Methyl Acetate	114		115		70-130	1		20
Cyclohexane	102		113		70-130	10		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	74		75		70-130	1		20
Methyl cyclohexane	90		98		70-130	9		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		92		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	95		100		70-130
Dibromofluoromethane	106		105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2

Project Number: E50593-01.01

Lab Number: L1533592

Report Date: 01/12/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG854069-1 WG854069-2								
Methylene chloride	100		104		70-130	4		20
1,1-Dichloroethane	102		106		70-130	4		20
Chloroform	99		101		70-130	2		20
Carbon tetrachloride	105		109		63-132	4		20
1,2-Dichloropropane	100		102		70-130	2		20
Dibromochloromethane	103		105		63-130	2		20
1,1,2-Trichloroethane	97		99		70-130	2		20
Tetrachloroethene	102		102		70-130	0		20
Chlorobenzene	99		102		75-130	3		25
Trichlorofluoromethane	73		76		62-150	4		20
1,2-Dichloroethane	93		102		70-130	9		20
1,1,1-Trichloroethane	104		110		67-130	6		20
Bromodichloromethane	96		100		67-130	4		20
trans-1,3-Dichloropropene	98		101		70-130	3		20
cis-1,3-Dichloropropene	98		101		70-130	3		20
Bromoform	96		94		54-136	2		20
1,1,2,2-Tetrachloroethane	103		106		67-130	3		20
Benzene	97		98		70-130	1		25
Toluene	101		104		70-130	3		25
Ethylbenzene	94		95		70-130	1		20
Chloromethane	110		113		64-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2

Project Number: E50593-01.01

Lab Number: L1533592

Report Date: 01/12/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG854069-1 WG854069-2								
Bromomethane	98		95		39-139	3		20
Vinyl chloride	94		96		55-140	2		20
Chloroethane	72		74		55-138	3		20
1,1-Dichloroethene	71		74		61-145	4		25
trans-1,2-Dichloroethene	103		108		70-130	5		20
Trichloroethene	97		99		70-130	2		25
1,2-Dichlorobenzene	102		100		70-130	2		20
1,3-Dichlorobenzene	103		100		70-130	3		20
1,4-Dichlorobenzene	100		101		70-130	1		20
Methyl tert butyl ether	89		92		63-130	3		20
p/m-Xylene	91		92		70-130	1		20
o-Xylene	83		86		70-130	4		20
cis-1,2-Dichloroethene	99		101		70-130	2		20
Styrene	86		89		70-130	3		20
Dichlorodifluoromethane	98		101		36-147	3		20
Acetone	59		65		58-148	10		20
Carbon disulfide	65		66		51-130	2		20
2-Butanone	75		80		63-138	6		20
Vinyl acetate	93		96		70-130	3		20
4-Methyl-2-pentanone	78		82		59-130	5		20
2-Hexanone	76		78		57-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2

Project Number: E50593-01.01

Lab Number: L1533592

Report Date: 01/12/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG854069-1 WG854069-2								
Bromochloromethane	103		107		70-130	4		20
1,2-Dibromoethane	98		101		70-130	3		20
1,2-Dibromo-3-chloropropane	92		98		41-144	6		20
Isopropylbenzene	102		100		70-130	2		20
1,2,3-Trichlorobenzene	91		92		70-130	1		20
1,2,4-Trichlorobenzene	90		89		70-130	1		20
Methyl Acetate	95		104		70-130	9		20
Cyclohexane	97		102		70-130	5		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	70		74		70-130	6		20
Methyl cyclohexane	92		95		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		92		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	105		102		70-130
Dibromofluoromethane	103		103		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG854069-4 WG854069-5 QC Sample: L1533592-05 Client ID: SW-2B-20151217												
Methylene chloride	ND	10	12	123		12	123		70-130	0		20
1,1-Dichloroethane	ND	10	13	128		13	130		70-130	0		20
Chloroform	ND	10	12	123		12	122		70-130	0		20
Carbon tetrachloride	ND	10	13	129		13	132		63-132	0		20
1,2-Dichloropropane	ND	10	12	121		12	125		70-130	0		20
Dibromochloromethane	ND	10	12	125		13	127		63-130	8		20
1,1,2-Trichloroethane	ND	10	12	118		12	117		70-130	0		20
Tetrachloroethene	ND	10	12	122		12	123		70-130	0		20
Chlorobenzene	ND	10	12	119		12	125		75-130	0		25
Trichlorofluoromethane	ND	10	9.4	94		9.3	93		62-150	1		20
1,2-Dichloroethane	ND	10	11	114		11	115		70-130	0		20
1,1,1-Trichloroethane	ND	10	13	**131**	Q	13	**132**	Q	67-130	0		20
Bromodichloromethane	ND	10	12	120		12	121		67-130	0		20
trans-1,3-Dichloropropene	ND	10	12	116		12	121		70-130	0		20
cis-1,3-Dichloropropene	ND	10	11	111		11	110		70-130	0		20
Bromoform	ND	10	10	105		11	110		54-136	10		20
1,1,2,2-Tetrachloroethane	ND	10	12	116		12	123		67-130	0		20
Benzene	ND	10	12	122		12	122		70-130	0		25
Toluene	ND	10	12	122		12	125		70-130	0		25
Ethylbenzene	ND	10	11	111		12	118		70-130	9		20
Chloromethane	ND	10	14	**141**	Q	14	**145**	Q	64-130	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG854069-4 WG854069-5 QC Sample: L1533592-05 Client ID: SW-2B-20151217												
Bromomethane	ND	10	10	106		11	115		39-139	10		20
Vinyl chloride	ND	10	12	121		12	123		55-140	0		20
Chloroethane	ND	10	9.4	94		9.0	90		55-138	4		20
1,1-Dichloroethene	ND	10	9.6	96		9.4	94		61-145	2		25
trans-1,2-Dichloroethene	ND	10	12	126		13	128		70-130	8		20
Trichloroethene	ND	10	12	120		12	122		70-130	0		25
1,2-Dichlorobenzene	ND	10	12	116		12	121		70-130	0		20
1,3-Dichlorobenzene	ND	10	12	116		12	121		70-130	0		20
1,4-Dichlorobenzene	ND	10	11	114		12	119		70-130	9		20
Methyl tert butyl ether	ND	10	11	107		11	109		63-130	0		20
p/m-Xylene	ND	20	22	109		22	112		70-130	0		20
o-Xylene	ND	20	20	102		21	105		70-130	5		20
cis-1,2-Dichloroethene	ND	10	12	123		12	123		70-130	0		20
Styrene	ND	20	21	105		22	110		70-130	5		20
Dichlorodifluoromethane	ND	10	12	117		12	119		36-147	0		20
Acetone	ND	10	9.8	98		11	106		58-148	12		20
Carbon disulfide	ND	10	8.4	84		8.6	86		51-130	2		20
2-Butanone	ND	10	10	101		9.8	98		63-138	2		20
Vinyl acetate	ND	10	11	109		11	110		70-130	0		20
4-Methyl-2-pentanone	ND	10	9.6	96		10	101		59-130	4		20
2-Hexanone	ND	10	9.5	95		10	101		57-130	5		20

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG854069-4 WG854069-5 QC Sample: L1533592-05 Client ID: SW-2B-20151217												
Bromochloromethane	ND	10	13	129		13	127		70-130	0		20
1,2-Dibromoethane	ND	10	12	115		12	124		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	10	10	105		12	117		41-144	18		20
Isopropylbenzene	ND	10	12	115		12	119		70-130	0		20
1,2,3-Trichlorobenzene	ND	10	11	112		12	118		70-130	9		20
1,2,4-Trichlorobenzene	ND	10	11	107		12	116		70-130	9		20
Methyl Acetate	ND	10	11	114		7.8J	78		70-130	**34**	Q	20
Cyclohexane	ND	10	12	119		12	117		70-130	0		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	8.6J	86		8.5J	85		70-130	1		20
Methyl cyclohexane	ND	10	10	101		10	102		70-130	0		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		89		70-130
4-Bromofluorobenzene	99		97		70-130
Dibromofluoromethane	104		102		70-130
Toluene-d8	100		101		70-130

SEMIVOLATILES

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-01
Client ID: SW-1A-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/31/15 16:40
Analyst: JT

Date Collected: 12/17/15 11:20
Date Received: 12/18/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/23/15 16:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.526	0.076	1
Pyridine	ND		ug/l	0.526	0.172	1
Benzaldehyde	ND		ug/l	2.10	0.125	1
Aniline	ND		ug/l	1.05	0.134	1
bis(2-Chloroethyl)ether	ND		ug/l	0.526	0.098	1
Phenol	ND		ug/l	0.526	0.054	1
2-Chlorophenol	ND		ug/l	0.526	0.096	1
1,3-Dichlorobenzene	ND		ug/l	0.526	0.082	1
1,4-Dichlorobenzene	ND		ug/l	0.526	0.087	1
1,2-Dichlorobenzene	ND		ug/l	0.526	0.072	1
Benzyl alcohol	ND		ug/l	0.526	0.129	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.526	0.114	1
2-Methylphenol	ND		ug/l	0.526	0.109	1
Acetophenone	ND		ug/l	1.05	0.218	1
Hexachloroethane	ND		ug/l	0.526	0.107	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.526	0.129	1
4-Methylphenol	ND		ug/l	0.526	0.119	1
Nitrobenzene	ND		ug/l	0.526	0.107	1
Isophorone	ND		ug/l	0.526	0.133	1
2-Nitrophenol	ND		ug/l	0.526	0.121	1
2,4-Dimethylphenol	ND		ug/l	2.10	0.254	1
Benzoic acid	ND		ug/l	42.1	3.17	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.526	0.090	1
2,4-Dichlorophenol	ND		ug/l	0.526	0.105	1
1,2,4-Trichlorobenzene	ND		ug/l	0.526	0.101	1
4-Chloroaniline	ND		ug/l	0.526	0.135	1
Hexachlorobutadiene	ND		ug/l	0.526	0.090	1
Caprolactam	ND		ug/l	2.10	0.129	1
4-Chloro-3-methylphenol	ND		ug/l	0.526	0.108	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.526	0.084	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-01 Date Collected: 12/17/15 11:20

Client ID: SW-1A-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.526	0.161	1
2,4,6-Trichlorophenol	ND		ug/l	0.526	0.160	1
2,4,5-Trichlorophenol	ND		ug/l	0.526	0.096	1
Biphenyl	ND		ug/l	0.526	0.117	1
2-Chloronaphthalene	ND		ug/l	0.526	0.095	1
2-Nitroaniline	ND		ug/l	0.526	0.145	1
Dimethylphthalate	ND		ug/l	0.526	0.123	1
2,6-Dinitrotoluene	ND		ug/l	0.526	0.177	1
3-Nitroaniline	ND		ug/l	0.526	0.117	1
2,4-Dinitrophenol	ND		ug/l	5.26	0.766	1
Dibenzofuran	ND		ug/l	0.526	0.096	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.526	0.150	1
2,4-Dinitrotoluene	ND		ug/l	0.526	0.172	1
4-Nitrophenol	ND		ug/l	2.63	0.621	1
4-Chlorophenyl-phenylether	ND		ug/l	0.526	0.083	1
Diethylphthalate	ND		ug/l	0.526	0.189	1
4-Nitroaniline	ND		ug/l	0.526	0.118	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.10	0.537	1
Azobenzene	ND		ug/l	0.526	0.135	1
n-Nitrosodiphenylamine	ND		ug/l	0.526	0.076	1
4-Bromophenyl-phenylether	ND		ug/l	0.526	0.105	1
Hexachlorobenzene	ND		ug/l	0.526	0.128	1
Atrazine	ND		ug/l	0.526	0.168	1
Pentachlorophenol	ND		ug/l	2.10	0.453	1
Pentachloronitrobenzene	ND		ug/l	0.526	0.178	1
Carbazole	ND		ug/l	0.526	0.150	1
Di-n-butylphthalate	ND		ug/l	0.526	0.105	1
Benzidine	ND		ug/l	105	0.488	1
Butylbenzylphthalate	0.090	J	ug/l	0.526	0.089	1
3,3'-Dichlorobenzidine	ND		ug/l	0.526	0.203	1
bis(2-Ethylhexyl)phthalate	ND		ug/l	0.526	0.085	1
Di-n-octylphthalate	ND		ug/l	1.05	0.083	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-01 Date Collected: 12/17/15 11:20

Client ID: SW-1A-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		15-115
Phenol-d5	26		15-115
Nitrobenzene-d5	74		30-130
2-Fluorobiphenyl	69		30-130
2,4,6-Tribromophenol	67		15-115
Terphenyl-d14	96		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-01
Client ID: SW-1A-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/22/15 22:00
Analyst: SF

Date Collected: 12/17/15 11:20
Date Received: 12/18/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 06:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	5.44	J	ng/l	10.3	1.82	1
2-Methylnaphthalene	1.52	J	ng/l	10.3	1.09	1
Acenaphthylene	ND		ng/l	10.3	1.82	1
Acenaphthene	ND		ng/l	10.3	1.66	1
Fluorene	ND		ng/l	10.3	1.78	1
Phenanthrene	2.48	J	ng/l	10.3	1.95	1
Anthracene	ND		ng/l	10.3	2.00	1
Fluoranthene	ND		ng/l	10.3	1.54	1
Pyrene	ND		ng/l	10.3	1.57	1
Benz(a)anthracene	5.99	J	ng/l	10.3	1.78	1
Chrysene	ND		ng/l	10.3	0.965	1
Benzo(b)fluoranthene	7.47	J	ng/l	10.3	1.52	1
Benzo(k)fluoranthene	3.12	J	ng/l	10.3	1.21	1
Benzo(a)pyrene	6.15	J	ng/l	10.3	0.866	1
Indeno(1,2,3-cd)pyrene	6.64	J	ng/l	10.3	0.549	1
Dibenz(a,h)anthracene	5.28	J	ng/l	10.3	0.706	1
Benzo(g,h,i)perylene	5.14	J	ng/l	10.3	1.35	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	67		30-130
Pyrene-d10	80		30-130
Benzo(b)fluoranthene-d12	77		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-02
Client ID: SW-1B-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/31/15 17:09
Analyst: JT

Date Collected: 12/17/15 11:15
Date Received: 12/18/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/23/15 16:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.505	0.073	1
Pyridine	ND		ug/l	0.505	0.165	1
Benzaldehyde	ND		ug/l	2.02	0.120	1
Aniline	ND		ug/l	1.01	0.128	1
bis(2-Chloroethyl)ether	ND		ug/l	0.505	0.094	1
Phenol	ND		ug/l	0.505	0.052	1
2-Chlorophenol	ND		ug/l	0.505	0.092	1
1,3-Dichlorobenzene	ND		ug/l	0.505	0.079	1
1,4-Dichlorobenzene	ND		ug/l	0.505	0.084	1
1,2-Dichlorobenzene	ND		ug/l	0.505	0.069	1
Benzyl alcohol	ND		ug/l	0.505	0.124	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.505	0.109	1
2-Methylphenol	ND		ug/l	0.505	0.105	1
Acetophenone	ND		ug/l	1.01	0.209	1
Hexachloroethane	ND		ug/l	0.505	0.103	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.505	0.124	1
4-Methylphenol	ND		ug/l	0.505	0.114	1
Nitrobenzene	ND		ug/l	0.505	0.103	1
Isophorone	ND		ug/l	0.505	0.127	1
2-Nitrophenol	ND		ug/l	0.505	0.116	1
2,4-Dimethylphenol	ND		ug/l	2.02	0.243	1
Benzoic acid	ND		ug/l	40.4	3.04	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.505	0.086	1
2,4-Dichlorophenol	ND		ug/l	0.505	0.101	1
1,2,4-Trichlorobenzene	ND		ug/l	0.505	0.097	1
4-Chloroaniline	ND		ug/l	0.505	0.129	1
Hexachlorobutadiene	ND		ug/l	0.505	0.086	1
Caprolactam	ND		ug/l	2.02	0.124	1
4-Chloro-3-methylphenol	ND		ug/l	0.505	0.104	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.505	0.081	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-02 Date Collected: 12/17/15 11:15

Client ID: SW-1B-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.505	0.154	1
2,4,6-Trichlorophenol	ND		ug/l	0.505	0.154	1
2,4,5-Trichlorophenol	ND		ug/l	0.505	0.092	1
Biphenyl	ND		ug/l	0.505	0.112	1
2-Chloronaphthalene	ND		ug/l	0.505	0.091	1
2-Nitroaniline	ND		ug/l	0.505	0.139	1
Dimethylphthalate	ND		ug/l	0.505	0.118	1
2,6-Dinitrotoluene	ND		ug/l	0.505	0.170	1
3-Nitroaniline	ND		ug/l	0.505	0.112	1
2,4-Dinitrophenol	ND		ug/l	5.05	0.735	1
Dibenzofuran	ND		ug/l	0.505	0.092	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.505	0.144	1
2,4-Dinitrotoluene	ND		ug/l	0.505	0.165	1
4-Nitrophenol	ND		ug/l	2.52	0.596	1
4-Chlorophenyl-phenylether	ND		ug/l	0.505	0.080	1
Diethylphthalate	ND		ug/l	0.505	0.182	1
4-Nitroaniline	ND		ug/l	0.505	0.113	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.02	0.515	1
Azobenzene	ND		ug/l	0.505	0.129	1
n-Nitrosodiphenylamine	ND		ug/l	0.505	0.073	1
4-Bromophenyl-phenylether	ND		ug/l	0.505	0.101	1
Hexachlorobenzene	ND		ug/l	0.505	0.123	1
Atrazine	ND		ug/l	0.505	0.162	1
Pentachlorophenol	ND		ug/l	2.02	0.434	1
Pentachloronitrobenzene	ND		ug/l	0.505	0.171	1
Carbazole	ND		ug/l	0.505	0.144	1
Di-n-butylphthalate	ND		ug/l	0.505	0.101	1
Benzidine	ND		ug/l	101	0.469	1
Butylbenzylphthalate	ND		ug/l	0.505	0.086	1
3,3'-Dichlorobenzidine	ND		ug/l	0.505	0.195	1
bis(2-Ethylhexyl)phthalate	ND		ug/l	0.505	0.082	1
Di-n-octylphthalate	ND		ug/l	1.01	0.079	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-02 Date Collected: 12/17/15 11:15

Client ID: SW-1B-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		15-115
Phenol-d5	22		15-115
Nitrobenzene-d5	67		30-130
2-Fluorobiphenyl	66		30-130
2,4,6-Tribromophenol	62		15-115
Terphenyl-d14	91		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-02
Client ID: SW-1B-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/22/15 22:30
Analyst: SF

Date Collected: 12/17/15 11:15
Date Received: 12/18/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 06:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	4.81	J	ng/l	10.2	1.81	1
2-Methylnaphthalene	1.43	J	ng/l	10.2	1.08	1
Acenaphthylene	ND		ng/l	10.2	1.81	1
Acenaphthene	ND		ng/l	10.2	1.64	1
Fluorene	ND		ng/l	10.2	1.76	1
Phenanthrene	2.50	J	ng/l	10.2	1.93	1
Anthracene	ND		ng/l	10.2	1.98	1
Fluoranthene	2.05	J	ng/l	10.2	1.52	1
Pyrene	ND		ng/l	10.2	1.55	1
Benz(a)anthracene	5.11	J	ng/l	10.2	1.76	1
Chrysene	ND		ng/l	10.2	0.955	1
Benzo(b)fluoranthene	8.04	J	ng/l	10.2	1.51	1
Benzo(k)fluoranthene	3.30	J	ng/l	10.2	1.19	1
Benzo(a)pyrene	6.49	J	ng/l	10.2	0.857	1
Indeno(1,2,3-cd)pyrene	7.01	J	ng/l	10.2	0.544	1
Dibenz(a,h)anthracene	5.28	J	ng/l	10.2	0.699	1
Benzo(g,h,i)perylene	5.59	J	ng/l	10.2	1.34	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	69		30-130
Pyrene-d10	83		30-130
Benzo(b)fluoranthene-d12	80		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-03
Client ID: SW-1C-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/31/15 17:38
Analyst: JT

Date Collected: 12/17/15 10:50
Date Received: 12/18/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/23/15 16:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.532	0.077	1
Pyridine	ND		ug/l	0.532	0.173	1
Benzaldehyde	ND		ug/l	2.13	0.126	1
Aniline	ND		ug/l	1.06	0.135	1
bis(2-Chloroethyl)ether	ND		ug/l	0.532	0.099	1
Phenol	ND		ug/l	0.532	0.055	1
2-Chlorophenol	ND		ug/l	0.532	0.097	1
1,3-Dichlorobenzene	ND		ug/l	0.532	0.083	1
1,4-Dichlorobenzene	ND		ug/l	0.532	0.088	1
1,2-Dichlorobenzene	ND		ug/l	0.532	0.072	1
Benzyl alcohol	ND		ug/l	0.532	0.131	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.532	0.115	1
2-Methylphenol	ND		ug/l	0.532	0.111	1
Acetophenone	ND		ug/l	1.06	0.220	1
Hexachloroethane	ND		ug/l	0.532	0.108	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.532	0.131	1
4-Methylphenol	ND		ug/l	0.532	0.120	1
Nitrobenzene	ND		ug/l	0.532	0.108	1
Isophorone	ND		ug/l	0.532	0.134	1
2-Nitrophenol	ND		ug/l	0.532	0.122	1
2,4-Dimethylphenol	ND		ug/l	2.13	0.256	1
Benzoic acid	ND		ug/l	42.6	3.20	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.532	0.091	1
2,4-Dichlorophenol	ND		ug/l	0.532	0.106	1
1,2,4-Trichlorobenzene	ND		ug/l	0.532	0.102	1
4-Chloroaniline	ND		ug/l	0.532	0.136	1
Hexachlorobutadiene	ND		ug/l	0.532	0.091	1
Caprolactam	ND		ug/l	2.13	0.131	1
4-Chloro-3-methylphenol	ND		ug/l	0.532	0.110	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.532	0.085	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-03 Date Collected: 12/17/15 10:50

Client ID: SW-1C-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.532	0.163	1
2,4,6-Trichlorophenol	ND		ug/l	0.532	0.162	1
2,4,5-Trichlorophenol	ND		ug/l	0.532	0.097	1
Biphenyl	ND		ug/l	0.532	0.118	1
2-Chloronaphthalene	ND		ug/l	0.532	0.096	1
2-Nitroaniline	ND		ug/l	0.532	0.147	1
Dimethylphthalate	ND		ug/l	0.532	0.124	1
2,6-Dinitrotoluene	ND		ug/l	0.532	0.179	1
3-Nitroaniline	ND		ug/l	0.532	0.118	1
2,4-Dinitrophenol	ND		ug/l	5.32	0.774	1
Dibenzofuran	ND		ug/l	0.532	0.097	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.532	0.152	1
2,4-Dinitrotoluene	ND		ug/l	0.532	0.173	1
4-Nitrophenol	ND		ug/l	2.66	0.628	1
4-Chlorophenyl-phenylether	ND		ug/l	0.532	0.084	1
Diethylphthalate	ND		ug/l	0.532	0.191	1
4-Nitroaniline	ND		ug/l	0.532	0.119	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.13	0.542	1
Azobenzene	ND		ug/l	0.532	0.136	1
n-Nitrosodiphenylamine	ND		ug/l	0.532	0.077	1
4-Bromophenyl-phenylether	ND		ug/l	0.532	0.106	1
Hexachlorobenzene	ND		ug/l	0.532	0.130	1
Atrazine	ND		ug/l	0.532	0.170	1
Pentachlorophenol	ND		ug/l	2.13	0.457	1
Pentachloronitrobenzene	ND		ug/l	0.532	0.180	1
Carbazole	ND		ug/l	0.532	0.152	1
Di-n-butylphthalate	ND		ug/l	0.532	0.106	1
Benzidine	ND		ug/l	106	0.494	1
Butylbenzylphthalate	ND		ug/l	0.532	0.090	1
3,3'-Dichlorobenzidine	ND		ug/l	0.532	0.205	1
bis(2-Ethylhexyl)phthalate	ND		ug/l	0.532	0.086	1
Di-n-octylphthalate	ND		ug/l	1.06	0.084	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-03 Date Collected: 12/17/15 10:50

Client ID: SW-1C-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	20		15-115
Phenol-d5	15		15-115
Nitrobenzene-d5	64		30-130
2-Fluorobiphenyl	65		30-130
2,4,6-Tribromophenol	60		15-115
Terphenyl-d14	94		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-03
Client ID: SW-1C-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/22/15 23:01
Analyst: SF

Date Collected: 12/17/15 10:50
Date Received: 12/18/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 06:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	4.88	J	ng/l	10.9	1.92	1
2-Methylnaphthalene	1.32	J	ng/l	10.9	1.15	1
Acenaphthylene	ND		ng/l	10.9	1.92	1
Acenaphthene	ND		ng/l	10.9	1.75	1
Fluorene	ND		ng/l	10.9	1.88	1
Phenanthrene	2.97	J	ng/l	10.9	2.05	1
Anthracene	ND		ng/l	10.9	2.11	1
Fluoranthene	ND		ng/l	10.9	1.62	1
Pyrene	ND		ng/l	10.9	1.65	1
Benz(a)anthracene	ND		ng/l	10.9	1.88	1
Chrysene	ND		ng/l	10.9	1.02	1
Benzo(b)fluoranthene	8.05	J	ng/l	10.9	1.61	1
Benzo(k)fluoranthene	3.13	J	ng/l	10.9	1.27	1
Benzo(a)pyrene	ND		ng/l	10.9	0.913	1
Indeno(1,2,3-cd)pyrene	6.98	J	ng/l	10.9	0.579	1
Dibenz(a,h)anthracene	ND		ng/l	10.9	0.744	1
Benzo(g,h,i)perylene	5.58	J	ng/l	10.9	1.42	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	69		30-130
Pyrene-d10	81		30-130
Benzo(b)fluoranthene-d12	76		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-04
Client ID: SW-2A-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/31/15 18:07
Analyst: JT

Date Collected: 12/17/15 11:45
Date Received: 12/18/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/23/15 16:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.505	0.073	1
Pyridine	ND		ug/l	0.505	0.165	1
Benzaldehyde	ND		ug/l	2.02	0.120	1
Aniline	ND		ug/l	1.01	0.128	1
bis(2-Chloroethyl)ether	ND		ug/l	0.505	0.094	1
Phenol	ND		ug/l	0.505	0.052	1
2-Chlorophenol	ND		ug/l	0.505	0.092	1
1,3-Dichlorobenzene	ND		ug/l	0.505	0.079	1
1,4-Dichlorobenzene	ND		ug/l	0.505	0.084	1
1,2-Dichlorobenzene	ND		ug/l	0.505	0.069	1
Benzyl alcohol	ND		ug/l	0.505	0.124	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.505	0.109	1
2-Methylphenol	ND		ug/l	0.505	0.105	1
Acetophenone	ND		ug/l	1.01	0.209	1
Hexachloroethane	ND		ug/l	0.505	0.103	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.505	0.124	1
4-Methylphenol	ND		ug/l	0.505	0.114	1
Nitrobenzene	ND		ug/l	0.505	0.103	1
Isophorone	ND		ug/l	0.505	0.127	1
2-Nitrophenol	ND		ug/l	0.505	0.116	1
2,4-Dimethylphenol	ND		ug/l	2.02	0.243	1
Benzoic acid	ND		ug/l	40.4	3.04	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.505	0.086	1
2,4-Dichlorophenol	ND		ug/l	0.505	0.101	1
1,2,4-Trichlorobenzene	ND		ug/l	0.505	0.097	1
4-Chloroaniline	ND		ug/l	0.505	0.129	1
Hexachlorobutadiene	ND		ug/l	0.505	0.086	1
Caprolactam	ND		ug/l	2.02	0.124	1
4-Chloro-3-methylphenol	ND		ug/l	0.505	0.104	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.505	0.081	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-04 Date Collected: 12/17/15 11:45

Client ID: SW-2A-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.505	0.154	1
2,4,6-Trichlorophenol	ND		ug/l	0.505	0.154	1
2,4,5-Trichlorophenol	ND		ug/l	0.505	0.092	1
Biphenyl	ND		ug/l	0.505	0.112	1
2-Chloronaphthalene	ND		ug/l	0.505	0.091	1
2-Nitroaniline	ND		ug/l	0.505	0.139	1
Dimethylphthalate	ND		ug/l	0.505	0.118	1
2,6-Dinitrotoluene	ND		ug/l	0.505	0.170	1
3-Nitroaniline	ND		ug/l	0.505	0.112	1
2,4-Dinitrophenol	ND		ug/l	5.05	0.735	1
Dibenzofuran	ND		ug/l	0.505	0.092	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.505	0.144	1
2,4-Dinitrotoluene	ND		ug/l	0.505	0.165	1
4-Nitrophenol	ND		ug/l	2.52	0.596	1
4-Chlorophenyl-phenylether	ND		ug/l	0.505	0.080	1
Diethylphthalate	ND		ug/l	0.505	0.182	1
4-Nitroaniline	ND		ug/l	0.505	0.113	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.02	0.515	1
Azobenzene	ND		ug/l	0.505	0.129	1
n-Nitrosodiphenylamine	ND		ug/l	0.505	0.073	1
4-Bromophenyl-phenylether	ND		ug/l	0.505	0.101	1
Hexachlorobenzene	ND		ug/l	0.505	0.123	1
Atrazine	ND		ug/l	0.505	0.162	1
Pentachlorophenol	ND		ug/l	2.02	0.434	1
Pentachloronitrobenzene	ND		ug/l	0.505	0.171	1
Carbazole	ND		ug/l	0.505	0.144	1
Di-n-butylphthalate	ND		ug/l	0.505	0.101	1
Benzidine	ND		ug/l	101	0.469	1
Butylbenzylphthalate	ND		ug/l	0.505	0.086	1
3,3'-Dichlorobenzidine	ND		ug/l	0.505	0.195	1
bis(2-Ethylhexyl)phthalate	ND		ug/l	0.505	0.082	1
Di-n-octylphthalate	ND		ug/l	1.01	0.079	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-04 Date Collected: 12/17/15 11:45

Client ID: SW-2A-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	26		15-115
Phenol-d5	20		15-115
Nitrobenzene-d5	58		30-130
2-Fluorobiphenyl	62		30-130
2,4,6-Tribromophenol	65		15-115
Terphenyl-d14	98		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-04
Client ID: SW-2A-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/22/15 23:31
Analyst: SF

Date Collected: 12/17/15 11:45
Date Received: 12/18/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 06:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	9.00	J	ng/l	10.0	1.77	1
2-Methylnaphthalene	2.36	J	ng/l	10.0	1.06	1
Acenaphthylene	ND		ng/l	10.0	1.77	1
Acenaphthene	1.96	J	ng/l	10.0	1.61	1
Fluorene	ND		ng/l	10.0	1.73	1
Phenanthrene	3.99	J	ng/l	10.0	1.89	1
Anthracene	ND		ng/l	10.0	1.94	1
Fluoranthene	3.03	J	ng/l	10.0	1.49	1
Pyrene	2.00	J	ng/l	10.0	1.52	1
Benz(a)anthracene	5.13	J	ng/l	10.0	1.73	1
Chrysene	1.16	J	ng/l	10.0	0.936	1
Benzo(b)fluoranthene	7.90	J	ng/l	10.0	1.48	1
Benzo(k)fluoranthene	3.64	J	ng/l	10.0	1.17	1
Benzo(a)pyrene	6.60	J	ng/l	10.0	0.840	1
Indeno(1,2,3-cd)pyrene	7.07	J	ng/l	10.0	0.533	1
Dibenz(a,h)anthracene	5.29	J	ng/l	10.0	0.685	1
Benzo(g,h,i)perylene	5.63	J	ng/l	10.0	1.31	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	67		30-130
Pyrene-d10	79		30-130
Benzo(b)fluoranthene-d12	75		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-05
Client ID: SW-2B-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/31/15 18:36
Analyst: JT

Date Collected: 12/17/15 11:55
Date Received: 12/18/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/23/15 16:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.505	0.073	1
Pyridine	ND		ug/l	0.505	0.165	1
Benzaldehyde	ND		ug/l	2.02	0.120	1
Aniline	ND		ug/l	1.01	0.128	1
bis(2-Chloroethyl)ether	ND		ug/l	0.505	0.094	1
Phenol	ND		ug/l	0.505	0.052	1
2-Chlorophenol	ND		ug/l	0.505	0.092	1
1,3-Dichlorobenzene	ND		ug/l	0.505	0.079	1
1,4-Dichlorobenzene	ND		ug/l	0.505	0.084	1
1,2-Dichlorobenzene	ND		ug/l	0.505	0.069	1
Benzyl alcohol	ND		ug/l	0.505	0.124	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.505	0.109	1
2-Methylphenol	ND		ug/l	0.505	0.105	1
Acetophenone	ND		ug/l	1.01	0.209	1
Hexachloroethane	ND		ug/l	0.505	0.103	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.505	0.124	1
4-Methylphenol	ND		ug/l	0.505	0.114	1
Nitrobenzene	ND		ug/l	0.505	0.103	1
Isophorone	ND		ug/l	0.505	0.127	1
2-Nitrophenol	ND		ug/l	0.505	0.116	1
2,4-Dimethylphenol	ND		ug/l	2.02	0.243	1
Benzoic acid	ND		ug/l	40.4	3.04	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.505	0.086	1
2,4-Dichlorophenol	ND		ug/l	0.505	0.101	1
1,2,4-Trichlorobenzene	ND		ug/l	0.505	0.097	1
4-Chloroaniline	ND		ug/l	0.505	0.129	1
Hexachlorobutadiene	ND		ug/l	0.505	0.086	1
Caprolactam	ND		ug/l	2.02	0.124	1
4-Chloro-3-methylphenol	ND		ug/l	0.505	0.104	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.505	0.081	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-05 Date Collected: 12/17/15 11:55

Client ID: SW-2B-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.505	0.154	1
2,4,6-Trichlorophenol	ND		ug/l	0.505	0.154	1
2,4,5-Trichlorophenol	ND		ug/l	0.505	0.092	1
Biphenyl	ND		ug/l	0.505	0.112	1
2-Chloronaphthalene	ND		ug/l	0.505	0.091	1
2-Nitroaniline	ND		ug/l	0.505	0.139	1
Dimethylphthalate	ND		ug/l	0.505	0.118	1
2,6-Dinitrotoluene	ND		ug/l	0.505	0.170	1
3-Nitroaniline	ND		ug/l	0.505	0.112	1
2,4-Dinitrophenol	ND		ug/l	5.05	0.735	1
Dibenzofuran	ND		ug/l	0.505	0.092	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.505	0.144	1
2,4-Dinitrotoluene	ND		ug/l	0.505	0.165	1
4-Nitrophenol	ND		ug/l	2.52	0.596	1
4-Chlorophenyl-phenylether	ND		ug/l	0.505	0.080	1
Diethylphthalate	ND		ug/l	0.505	0.182	1
4-Nitroaniline	ND		ug/l	0.505	0.113	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.02	0.515	1
Azobenzene	ND		ug/l	0.505	0.129	1
n-Nitrosodiphenylamine	ND		ug/l	0.505	0.073	1
4-Bromophenyl-phenylether	ND		ug/l	0.505	0.101	1
Hexachlorobenzene	ND		ug/l	0.505	0.123	1
Atrazine	ND		ug/l	0.505	0.162	1
Pentachlorophenol	ND		ug/l	2.02	0.434	1
Pentachloronitrobenzene	ND		ug/l	0.505	0.171	1
Carbazole	ND		ug/l	0.505	0.144	1
Di-n-butylphthalate	ND		ug/l	0.505	0.101	1
Benzidine	ND		ug/l	101	0.469	1
Butylbenzylphthalate	ND		ug/l	0.505	0.086	1
3,3'-Dichlorobenzidine	ND		ug/l	0.505	0.195	1
bis(2-Ethylhexyl)phthalate	ND		ug/l	0.505	0.082	1
Di-n-octylphthalate	ND		ug/l	1.01	0.079	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-05 Date Collected: 12/17/15 11:55

Client ID: SW-2B-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		15-115
Phenol-d5	22		15-115
Nitrobenzene-d5	68		30-130
2-Fluorobiphenyl	64		30-130
2,4,6-Tribromophenol	59		15-115
Terphenyl-d14	94		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-05
Client ID: SW-2B-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/23/15 00:02
Analyst: SF

Date Collected: 12/17/15 11:55
Date Received: 12/18/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 06:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	6.15	J	ng/l	10.0	1.77	1
2-Methylnaphthalene	1.69	J	ng/l	10.0	1.06	1
Acenaphthylene	ND		ng/l	10.0	1.77	1
Acenaphthene	ND		ng/l	10.0	1.61	1
Fluorene	ND		ng/l	10.0	1.73	1
Phenanthrene	3.03	J	ng/l	10.0	1.89	1
Anthracene	ND		ng/l	10.0	1.94	1
Fluoranthene	1.63	J	ng/l	10.0	1.49	1
Pyrene	ND		ng/l	10.0	1.52	1
Benz(a)anthracene	4.82	J	ng/l	10.0	1.73	1
Chrysene	ND		ng/l	10.0	0.936	1
Benzo(b)fluoranthene	7.72	J	ng/l	10.0	1.48	1
Benzo(k)fluoranthene	3.17	J	ng/l	10.0	1.17	1
Benzo(a)pyrene	6.27	J	ng/l	10.0	0.840	1
Indeno(1,2,3-cd)pyrene	6.75	J	ng/l	10.0	0.533	1
Dibenz(a,h)anthracene	ND		ng/l	10.0	0.685	1
Benzo(g,h,i)perylene	5.26	J	ng/l	10.0	1.31	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	67		30-130
Pyrene-d10	81		30-130
Benzo(b)fluoranthene-d12	77		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-06
Client ID: SW-2C-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/31/15 20:03
Analyst: JT

Date Collected: 12/17/15 12:15
Date Received: 12/18/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/23/15 16:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.538	0.077	1
Pyridine	ND		ug/l	0.538	0.175	1
Benzaldehyde	ND		ug/l	2.15	0.128	1
Aniline	ND		ug/l	1.08	0.136	1
bis(2-Chloroethyl)ether	ND		ug/l	0.538	0.100	1
Phenol	ND		ug/l	0.538	0.055	1
2-Chlorophenol	ND		ug/l	0.538	0.098	1
1,3-Dichlorobenzene	ND		ug/l	0.538	0.084	1
1,4-Dichlorobenzene	ND		ug/l	0.538	0.089	1
1,2-Dichlorobenzene	ND		ug/l	0.538	0.073	1
Benzyl alcohol	ND		ug/l	0.538	0.132	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.538	0.116	1
2-Methylphenol	ND		ug/l	0.538	0.112	1
Acetophenone	ND		ug/l	1.08	0.222	1
Hexachloroethane	ND		ug/l	0.538	0.110	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.538	0.132	1
4-Methylphenol	ND		ug/l	0.538	0.122	1
Nitrobenzene	ND		ug/l	0.538	0.110	1
Isophorone	ND		ug/l	0.538	0.135	1
2-Nitrophenol	ND		ug/l	0.538	0.124	1
2,4-Dimethylphenol	ND		ug/l	2.15	0.259	1
Benzoic acid	ND		ug/l	43.0	3.24	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.538	0.092	1
2,4-Dichlorophenol	ND		ug/l	0.538	0.107	1
1,2,4-Trichlorobenzene	ND		ug/l	0.538	0.103	1
4-Chloroaniline	ND		ug/l	0.538	0.138	1
Hexachlorobutadiene	ND		ug/l	0.538	0.092	1
Caprolactam	ND		ug/l	2.15	0.132	1
4-Chloro-3-methylphenol	ND		ug/l	0.538	0.111	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.538	0.086	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-06 Date Collected: 12/17/15 12:15

Client ID: SW-2C-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.538	0.164	1
2,4,6-Trichlorophenol	ND		ug/l	0.538	0.163	1
2,4,5-Trichlorophenol	ND		ug/l	0.538	0.098	1
Biphenyl	ND		ug/l	0.538	0.119	1
2-Chloronaphthalene	ND		ug/l	0.538	0.097	1
2-Nitroaniline	ND		ug/l	0.538	0.148	1
Dimethylphthalate	ND		ug/l	0.538	0.126	1
2,6-Dinitrotoluene	ND		ug/l	0.538	0.181	1
3-Nitroaniline	ND		ug/l	0.538	0.119	1
2,4-Dinitrophenol	ND		ug/l	5.38	0.783	1
Dibenzofuran	ND		ug/l	0.538	0.098	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.538	0.154	1
2,4-Dinitrotoluene	ND		ug/l	0.538	0.175	1
4-Nitrophenol	ND		ug/l	2.69	0.634	1
4-Chlorophenyl-phenylether	ND		ug/l	0.538	0.085	1
Diethylphthalate	ND		ug/l	0.538	0.194	1
4-Nitroaniline	ND		ug/l	0.538	0.120	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.15	0.548	1
Azobenzene	ND		ug/l	0.538	0.138	1
n-Nitrosodiphenylamine	ND		ug/l	0.538	0.077	1
4-Bromophenyl-phenylether	ND		ug/l	0.538	0.107	1
Hexachlorobenzene	ND		ug/l	0.538	0.131	1
Atrazine	ND		ug/l	0.538	0.172	1
Pentachlorophenol	ND		ug/l	2.15	0.462	1
Pentachloronitrobenzene	ND		ug/l	0.538	0.182	1
Carbazole	ND		ug/l	0.538	0.154	1
Di-n-butylphthalate	ND		ug/l	0.538	0.107	1
Benzidine	ND		ug/l	108	0.499	1
Butylbenzylphthalate	ND		ug/l	0.538	0.091	1
3,3'-Dichlorobenzidine	ND		ug/l	0.538	0.208	1
bis(2-Ethylhexyl)phthalate	ND		ug/l	0.538	0.087	1
Di-n-octylphthalate	ND		ug/l	1.08	0.085	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-06 Date Collected: 12/17/15 12:15

Client ID: SW-2C-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		15-115
Phenol-d5	24		15-115
Nitrobenzene-d5	70		30-130
2-Fluorobiphenyl	67		30-130
2,4,6-Tribromophenol	70		15-115
Terphenyl-d14	94		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-06
Client ID: SW-2C-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/23/15 01:33
Analyst: SF

Date Collected: 12/17/15 12:15
Date Received: 12/18/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 06:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	6.03	J	ng/l	10.1	1.79	1
2-Methylnaphthalene	1.64	J	ng/l	10.1	1.07	1
Acenaphthylene	ND		ng/l	10.1	1.79	1
Acenaphthene	ND		ng/l	10.1	1.63	1
Fluorene	ND		ng/l	10.1	1.75	1
Phenanthrene	2.76	J	ng/l	10.1	1.91	1
Anthracene	ND		ng/l	10.1	1.96	1
Fluoranthene	2.08	J	ng/l	10.1	1.50	1
Pyrene	ND		ng/l	10.1	1.54	1
Benz(a)anthracene	5.05	J	ng/l	10.1	1.75	1
Chrysene	ND		ng/l	10.1	0.945	1
Benzo(b)fluoranthene	7.82	J	ng/l	10.1	1.49	1
Benzo(k)fluoranthene	3.51	J	ng/l	10.1	1.18	1
Benzo(a)pyrene	6.43	J	ng/l	10.1	0.848	1
Indeno(1,2,3-cd)pyrene	6.97	J	ng/l	10.1	0.538	1
Dibenz(a,h)anthracene	ND		ng/l	10.1	0.692	1
Benzo(g,h,i)perylene	5.60	J	ng/l	10.1	1.32	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	69		30-130
Pyrene-d10	80		30-130
Benzo(b)fluoranthene-d12	77		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID:	L1533592-07	Date Collected:	12/17/15 00:00
Client ID:	DUP-20151217	Date Received:	12/18/15
Sample Location:	GLEN FALLS, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	12/23/15 16:04
Analytical Date:	12/31/15 20:32		
Analyst:	JT		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.556	0.080	1
Pyridine	ND		ug/l	0.556	0.181	1
Benzaldehyde	ND		ug/l	2.22	0.132	1
Aniline	ND		ug/l	1.11	0.141	1
bis(2-Chloroethyl)ether	ND		ug/l	0.556	0.103	1
Phenol	ND		ug/l	0.556	0.057	1
2-Chlorophenol	ND		ug/l	0.556	0.101	1
1,3-Dichlorobenzene	ND		ug/l	0.556	0.087	1
1,4-Dichlorobenzene	ND		ug/l	0.556	0.092	1
1,2-Dichlorobenzene	ND		ug/l	0.556	0.076	1
Benzyl alcohol	ND		ug/l	0.556	0.137	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.556	0.120	1
2-Methylphenol	ND		ug/l	0.556	0.116	1
Acetophenone	ND		ug/l	1.11	0.230	1
Hexachloroethane	ND		ug/l	0.556	0.113	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.556	0.137	1
4-Methylphenol	ND		ug/l	0.556	0.126	1
Nitrobenzene	ND		ug/l	0.556	0.113	1
Isophorone	ND		ug/l	0.556	0.140	1
2-Nitrophenol	ND		ug/l	0.556	0.128	1
2,4-Dimethylphenol	ND		ug/l	2.22	0.268	1
Benzoic acid	ND		ug/l	44.4	3.34	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.556	0.095	1
2,4-Dichlorophenol	ND		ug/l	0.556	0.111	1
1,2,4-Trichlorobenzene	ND		ug/l	0.556	0.107	1
4-Chloroaniline	ND		ug/l	0.556	0.142	1
Hexachlorobutadiene	ND		ug/l	0.556	0.095	1
Caprolactam	ND		ug/l	2.22	0.137	1
4-Chloro-3-methylphenol	ND		ug/l	0.556	0.114	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.556	0.089	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-07 Date Collected: 12/17/15 00:00

Client ID: DUP-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.556	0.170	1
2,4,6-Trichlorophenol	ND		ug/l	0.556	0.169	1
2,4,5-Trichlorophenol	ND		ug/l	0.556	0.101	1
Biphenyl	ND		ug/l	0.556	0.123	1
2-Chloronaphthalene	ND		ug/l	0.556	0.100	1
2-Nitroaniline	ND		ug/l	0.556	0.153	1
Dimethylphthalate	ND		ug/l	0.556	0.130	1
2,6-Dinitrotoluene	ND		ug/l	0.556	0.187	1
3-Nitroaniline	ND		ug/l	0.556	0.123	1
2,4-Dinitrophenol	ND		ug/l	5.56	0.809	1
Dibenzofuran	ND		ug/l	0.556	0.101	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.556	0.159	1
2,4-Dinitrotoluene	ND		ug/l	0.556	0.181	1
4-Nitrophenol	ND		ug/l	2.78	0.656	1
4-Chlorophenyl-phenylether	ND		ug/l	0.556	0.088	1
Diethylphthalate	ND		ug/l	0.556	0.200	1
4-Nitroaniline	ND		ug/l	0.556	0.124	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.22	0.567	1
Azobenzene	ND		ug/l	0.556	0.142	1
n-Nitrosodiphenylamine	ND		ug/l	0.556	0.080	1
4-Bromophenyl-phenylether	ND		ug/l	0.556	0.111	1
Hexachlorobenzene	ND		ug/l	0.556	0.136	1
Atrazine	ND		ug/l	0.556	0.178	1
Pentachlorophenol	ND		ug/l	2.22	0.478	1
Pentachloronitrobenzene	ND		ug/l	0.556	0.188	1
Carbazole	ND		ug/l	0.556	0.159	1
Di-n-butylphthalate	ND		ug/l	0.556	0.111	1
Benzidine	ND		ug/l	111	0.516	1
Butylbenzylphthalate	ND		ug/l	0.556	0.094	1
3,3'-Dichlorobenzidine	ND		ug/l	0.556	0.214	1
bis(2-Ethylhexyl)phthalate	ND		ug/l	0.556	0.090	1
Di-n-octylphthalate	ND		ug/l	1.11	0.087	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-07 Date Collected: 12/17/15 00:00

Client ID: DUP-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		15-115
Phenol-d5	27		15-115
Nitrobenzene-d5	70		30-130
2-Fluorobiphenyl	69		30-130
2,4,6-Tribromophenol	83		15-115
Terphenyl-d14	93		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-07
Client ID: DUP-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/23/15 02:04
Analyst: SF

Date Collected: 12/17/15 00:00
Date Received: 12/18/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 06:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	5.12	J	ng/l	10.0	1.77	1
2-Methylnaphthalene	1.49	J	ng/l	10.0	1.06	1
Acenaphthylene	ND		ng/l	10.0	1.77	1
Acenaphthene	ND		ng/l	10.0	1.61	1
Fluorene	ND		ng/l	10.0	1.73	1
Phenanthrene	2.34	J	ng/l	10.0	1.89	1
Anthracene	ND		ng/l	10.0	1.94	1
Fluoranthene	ND		ng/l	10.0	1.49	1
Pyrene	ND		ng/l	10.0	1.52	1
Benz(a)anthracene	ND		ng/l	10.0	1.73	1
Chrysene	ND		ng/l	10.0	0.936	1
Benzo(b)fluoranthene	7.29	J	ng/l	10.0	1.48	1
Benzo(k)fluoranthene	2.89	J	ng/l	10.0	1.17	1
Benzo(a)pyrene	6.04	J	ng/l	10.0	0.840	1
Indeno(1,2,3-cd)pyrene	6.45	J	ng/l	10.0	0.533	1
Dibenz(a,h)anthracene	ND		ng/l	10.0	0.685	1
Benzo(g,h,i)perylene	5.07	J	ng/l	10.0	1.31	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	67		30-130
Pyrene-d10	82		30-130
Benzo(b)fluoranthene-d12	77		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-09
Client ID: SW-3A-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/31/15 21:01
Analyst: JT

Date Collected: 12/17/15 14:10
Date Received: 12/18/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/23/15 16:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.532	0.077	1
Pyridine	ND		ug/l	0.532	0.173	1
Benzaldehyde	ND		ug/l	2.13	0.126	1
Aniline	ND		ug/l	1.06	0.135	1
bis(2-Chloroethyl)ether	ND		ug/l	0.532	0.099	1
Phenol	ND		ug/l	0.532	0.055	1
2-Chlorophenol	ND		ug/l	0.532	0.097	1
1,3-Dichlorobenzene	ND		ug/l	0.532	0.083	1
1,4-Dichlorobenzene	ND		ug/l	0.532	0.088	1
1,2-Dichlorobenzene	ND		ug/l	0.532	0.072	1
Benzyl alcohol	ND		ug/l	0.532	0.131	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.532	0.115	1
2-Methylphenol	ND		ug/l	0.532	0.111	1
Acetophenone	ND		ug/l	1.06	0.220	1
Hexachloroethane	ND		ug/l	0.532	0.108	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.532	0.131	1
4-Methylphenol	ND		ug/l	0.532	0.120	1
Nitrobenzene	ND		ug/l	0.532	0.108	1
Isophorone	ND		ug/l	0.532	0.134	1
2-Nitrophenol	ND		ug/l	0.532	0.122	1
2,4-Dimethylphenol	ND		ug/l	2.13	0.256	1
Benzoic acid	ND		ug/l	42.6	3.20	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.532	0.091	1
2,4-Dichlorophenol	ND		ug/l	0.532	0.106	1
1,2,4-Trichlorobenzene	ND		ug/l	0.532	0.102	1
4-Chloroaniline	ND		ug/l	0.532	0.136	1
Hexachlorobutadiene	ND		ug/l	0.532	0.091	1
Caprolactam	ND		ug/l	2.13	0.131	1
4-Chloro-3-methylphenol	ND		ug/l	0.532	0.110	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.532	0.085	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-09 Date Collected: 12/17/15 14:10

Client ID: SW-3A-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.532	0.163	1
2,4,6-Trichlorophenol	ND		ug/l	0.532	0.162	1
2,4,5-Trichlorophenol	ND		ug/l	0.532	0.097	1
Biphenyl	ND		ug/l	0.532	0.118	1
2-Chloronaphthalene	ND		ug/l	0.532	0.096	1
2-Nitroaniline	ND		ug/l	0.532	0.147	1
Dimethylphthalate	ND		ug/l	0.532	0.124	1
2,6-Dinitrotoluene	ND		ug/l	0.532	0.179	1
3-Nitroaniline	ND		ug/l	0.532	0.118	1
2,4-Dinitrophenol	ND		ug/l	5.32	0.774	1
Dibenzofuran	ND		ug/l	0.532	0.097	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.532	0.152	1
2,4-Dinitrotoluene	ND		ug/l	0.532	0.173	1
4-Nitrophenol	ND		ug/l	2.66	0.628	1
4-Chlorophenyl-phenylether	ND		ug/l	0.532	0.084	1
Diethylphthalate	ND		ug/l	0.532	0.191	1
4-Nitroaniline	ND		ug/l	0.532	0.119	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.13	0.542	1
Azobenzene	ND		ug/l	0.532	0.136	1
n-Nitrosodiphenylamine	ND		ug/l	0.532	0.077	1
4-Bromophenyl-phenylether	ND		ug/l	0.532	0.106	1
Hexachlorobenzene	ND		ug/l	0.532	0.130	1
Atrazine	ND		ug/l	0.532	0.170	1
Pentachlorophenol	ND		ug/l	2.13	0.457	1
Pentachloronitrobenzene	ND		ug/l	0.532	0.180	1
Carbazole	ND		ug/l	0.532	0.152	1
Di-n-butylphthalate	ND		ug/l	0.532	0.106	1
Benzidine	ND		ug/l	106	0.494	1
Butylbenzylphthalate	ND		ug/l	0.532	0.090	1
3,3'-Dichlorobenzidine	ND		ug/l	0.532	0.205	1
bis(2-Ethylhexyl)phthalate	ND		ug/l	0.532	0.086	1
Di-n-octylphthalate	ND		ug/l	1.06	0.084	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-09 Date Collected: 12/17/15 14:10

Client ID: SW-3A-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		15-115
Phenol-d5	24		15-115
Nitrobenzene-d5	70		30-130
2-Fluorobiphenyl	69		30-130
2,4,6-Tribromophenol	63		15-115
Terphenyl-d14	93		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-09
Client ID: SW-3A-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/23/15 02:34
Analyst: SF

Date Collected: 12/17/15 14:10
Date Received: 12/18/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 06:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	4.76	J	ng/l	10.4	1.84	1
2-Methylnaphthalene	1.30	J	ng/l	10.4	1.10	1
Acenaphthylene	ND		ng/l	10.4	1.84	1
Acenaphthene	ND		ng/l	10.4	1.68	1
Fluorene	ND		ng/l	10.4	1.80	1
Phenanthrene	2.20	J	ng/l	10.4	1.97	1
Anthracene	ND		ng/l	10.4	2.02	1
Fluoranthene	ND		ng/l	10.4	1.55	1
Pyrene	ND		ng/l	10.4	1.58	1
Benz(a)anthracene	ND		ng/l	10.4	1.80	1
Chrysene	ND		ng/l	10.4	0.975	1
Benzo(b)fluoranthene	7.58	J	ng/l	10.4	1.54	1
Benzo(k)fluoranthene	3.00	J	ng/l	10.4	1.22	1
Benzo(a)pyrene	6.26	J	ng/l	10.4	0.875	1
Indeno(1,2,3-cd)pyrene	6.60	J	ng/l	10.4	0.555	1
Dibenz(a,h)anthracene	ND		ng/l	10.4	0.714	1
Benzo(g,h,i)perylene	5.22	J	ng/l	10.4	1.36	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	69		30-130
Pyrene-d10	80		30-130
Benzo(b)fluoranthene-d12	77		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-10
Client ID: SW-3B-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/31/15 21:30
Analyst: JT

Date Collected: 12/17/15 14:20
Date Received: 12/18/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/23/15 16:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.526	0.076	1
Pyridine	ND		ug/l	0.526	0.172	1
Benzaldehyde	ND		ug/l	2.10	0.125	1
Aniline	ND		ug/l	1.05	0.134	1
bis(2-Chloroethyl)ether	ND		ug/l	0.526	0.098	1
Phenol	ND		ug/l	0.526	0.054	1
2-Chlorophenol	ND		ug/l	0.526	0.096	1
1,3-Dichlorobenzene	ND		ug/l	0.526	0.082	1
1,4-Dichlorobenzene	ND		ug/l	0.526	0.087	1
1,2-Dichlorobenzene	ND		ug/l	0.526	0.072	1
Benzyl alcohol	ND		ug/l	0.526	0.129	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.526	0.114	1
2-Methylphenol	ND		ug/l	0.526	0.109	1
Acetophenone	ND		ug/l	1.05	0.218	1
Hexachloroethane	ND		ug/l	0.526	0.107	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.526	0.129	1
4-Methylphenol	ND		ug/l	0.526	0.119	1
Nitrobenzene	ND		ug/l	0.526	0.107	1
Isophorone	ND		ug/l	0.526	0.133	1
2-Nitrophenol	ND		ug/l	0.526	0.121	1
2,4-Dimethylphenol	ND		ug/l	2.10	0.254	1
Benzoic acid	ND		ug/l	42.1	3.17	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.526	0.090	1
2,4-Dichlorophenol	ND		ug/l	0.526	0.105	1
1,2,4-Trichlorobenzene	ND		ug/l	0.526	0.101	1
4-Chloroaniline	ND		ug/l	0.526	0.135	1
Hexachlorobutadiene	ND		ug/l	0.526	0.090	1
Caprolactam	ND		ug/l	2.10	0.129	1
4-Chloro-3-methylphenol	ND		ug/l	0.526	0.108	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.526	0.084	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-10 Date Collected: 12/17/15 14:20

Client ID: SW-3B-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.526	0.161	1
2,4,6-Trichlorophenol	ND		ug/l	0.526	0.160	1
2,4,5-Trichlorophenol	ND		ug/l	0.526	0.096	1
Biphenyl	ND		ug/l	0.526	0.117	1
2-Chloronaphthalene	ND		ug/l	0.526	0.095	1
2-Nitroaniline	ND		ug/l	0.526	0.145	1
Dimethylphthalate	ND		ug/l	0.526	0.123	1
2,6-Dinitrotoluene	ND		ug/l	0.526	0.177	1
3-Nitroaniline	ND		ug/l	0.526	0.117	1
2,4-Dinitrophenol	ND		ug/l	5.26	0.766	1
Dibenzofuran	ND		ug/l	0.526	0.096	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.526	0.150	1
2,4-Dinitrotoluene	ND		ug/l	0.526	0.172	1
4-Nitrophenol	ND		ug/l	2.63	0.621	1
4-Chlorophenyl-phenylether	ND		ug/l	0.526	0.083	1
Diethylphthalate	ND		ug/l	0.526	0.189	1
4-Nitroaniline	ND		ug/l	0.526	0.118	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.10	0.537	1
Azobenzene	ND		ug/l	0.526	0.135	1
n-Nitrosodiphenylamine	ND		ug/l	0.526	0.076	1
4-Bromophenyl-phenylether	ND		ug/l	0.526	0.105	1
Hexachlorobenzene	ND		ug/l	0.526	0.128	1
Atrazine	ND		ug/l	0.526	0.168	1
Pentachlorophenol	ND		ug/l	2.10	0.453	1
Pentachloronitrobenzene	ND		ug/l	0.526	0.178	1
Carbazole	ND		ug/l	0.526	0.150	1
Di-n-butylphthalate	ND		ug/l	0.526	0.105	1
Benzidine	ND		ug/l	105	0.488	1
Butylbenzylphthalate	0.093	J	ug/l	0.526	0.089	1
3,3'-Dichlorobenzidine	ND		ug/l	0.526	0.203	1
bis(2-Ethylhexyl)phthalate	ND		ug/l	0.526	0.085	1
Di-n-octylphthalate	ND		ug/l	1.05	0.083	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-10 Date Collected: 12/17/15 14:20

Client ID: SW-3B-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		15-115
Phenol-d5	23		15-115
Nitrobenzene-d5	69		30-130
2-Fluorobiphenyl	69		30-130
2,4,6-Tribromophenol	67		15-115
Terphenyl-d14	96		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-10
Client ID: SW-3B-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/23/15 13:10
Analyst: SF

Date Collected: 12/17/15 14:20
Date Received: 12/18/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 06:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	5.03	J	ng/l	10.1	1.79	1
2-Methylnaphthalene	1.30	J	ng/l	10.1	1.07	1
Acenaphthylene	ND		ng/l	10.1	1.79	1
Acenaphthene	ND		ng/l	10.1	1.63	1
Fluorene	ND		ng/l	10.1	1.75	1
Phenanthrene	2.34	J	ng/l	10.1	1.91	1
Anthracene	ND		ng/l	10.1	1.96	1
Fluoranthene	ND		ng/l	10.1	1.50	1
Pyrene	ND		ng/l	10.1	1.54	1
Benz(a)anthracene	4.94	J	ng/l	10.1	1.75	1
Chrysene	ND		ng/l	10.1	0.945	1
Benzo(b)fluoranthene	7.46	J	ng/l	10.1	1.49	1
Benzo(k)fluoranthene	2.95	J	ng/l	10.1	1.18	1
Benzo(a)pyrene	6.17	J	ng/l	10.1	0.848	1
Indeno(1,2,3-cd)pyrene	6.60	J	ng/l	10.1	0.538	1
Dibenz(a,h)anthracene	5.20	J	ng/l	10.1	0.692	1
Benzo(g,h,i)perylene	5.29	J	ng/l	10.1	1.32	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	69		30-130
Pyrene-d10	83		30-130
Benzo(b)fluoranthene-d12	80		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-11
Client ID: SW-3C-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/31/15 21:59
Analyst: JT

Date Collected: 12/17/15 14:25
Date Received: 12/18/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/23/15 16:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.543	0.078	1
Pyridine	ND		ug/l	0.543	0.177	1
Benzaldehyde	ND		ug/l	2.17	0.129	1
Aniline	ND		ug/l	1.09	0.138	1
bis(2-Chloroethyl)ether	ND		ug/l	0.543	0.101	1
Phenol	ND		ug/l	0.543	0.056	1
2-Chlorophenol	ND		ug/l	0.543	0.099	1
1,3-Dichlorobenzene	ND		ug/l	0.543	0.085	1
1,4-Dichlorobenzene	ND		ug/l	0.543	0.090	1
1,2-Dichlorobenzene	ND		ug/l	0.543	0.074	1
Benzyl alcohol	ND		ug/l	0.543	0.134	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.543	0.117	1
2-Methylphenol	ND		ug/l	0.543	0.113	1
Acetophenone	ND		ug/l	1.09	0.225	1
Hexachloroethane	ND		ug/l	0.543	0.111	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.543	0.134	1
4-Methylphenol	ND		ug/l	0.543	0.123	1
Nitrobenzene	ND		ug/l	0.543	0.111	1
Isophorone	ND		ug/l	0.543	0.137	1
2-Nitrophenol	ND		ug/l	0.543	0.125	1
2,4-Dimethylphenol	ND		ug/l	2.17	0.262	1
Benzoic acid	ND		ug/l	43.5	3.27	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.543	0.093	1
2,4-Dichlorophenol	ND		ug/l	0.543	0.108	1
1,2,4-Trichlorobenzene	ND		ug/l	0.543	0.104	1
4-Chloroaniline	ND		ug/l	0.543	0.139	1
Hexachlorobutadiene	ND		ug/l	0.543	0.093	1
Caprolactam	ND		ug/l	2.17	0.134	1
4-Chloro-3-methylphenol	ND		ug/l	0.543	0.112	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.543	0.087	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-11 Date Collected: 12/17/15 14:25

Client ID: SW-3C-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.543	0.166	1
2,4,6-Trichlorophenol	ND		ug/l	0.543	0.165	1
2,4,5-Trichlorophenol	ND		ug/l	0.543	0.099	1
Biphenyl	ND		ug/l	0.543	0.121	1
2-Chloronaphthalene	ND		ug/l	0.543	0.098	1
2-Nitroaniline	ND		ug/l	0.543	0.150	1
Dimethylphthalate	ND		ug/l	0.543	0.127	1
2,6-Dinitrotoluene	ND		ug/l	0.543	0.183	1
3-Nitroaniline	ND		ug/l	0.543	0.121	1
2,4-Dinitrophenol	ND		ug/l	5.43	0.791	1
Dibenzofuran	ND		ug/l	0.543	0.099	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.543	0.155	1
2,4-Dinitrotoluene	ND		ug/l	0.543	0.177	1
4-Nitrophenol	ND		ug/l	2.72	0.641	1
4-Chlorophenyl-phenylether	ND		ug/l	0.543	0.086	1
Diethylphthalate	ND		ug/l	0.543	0.196	1
4-Nitroaniline	ND		ug/l	0.543	0.122	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.17	0.554	1
Azobenzene	ND		ug/l	0.543	0.139	1
n-Nitrosodiphenylamine	ND		ug/l	0.543	0.078	1
4-Bromophenyl-phenylether	ND		ug/l	0.543	0.108	1
Hexachlorobenzene	ND		ug/l	0.543	0.133	1
Atrazine	ND		ug/l	0.543	0.174	1
Pentachlorophenol	ND		ug/l	2.17	0.467	1
Pentachloronitrobenzene	ND		ug/l	0.543	0.184	1
Carbazole	ND		ug/l	0.543	0.155	1
Di-n-butylphthalate	ND		ug/l	0.543	0.108	1
Benzidine	ND		ug/l	109	0.504	1
Butylbenzylphthalate	ND		ug/l	0.543	0.092	1
3,3'-Dichlorobenzidine	ND		ug/l	0.543	0.210	1
bis(2-Ethylhexyl)phthalate	ND		ug/l	0.543	0.088	1
Di-n-octylphthalate	ND		ug/l	1.09	0.085	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-11 Date Collected: 12/17/15 14:25

Client ID: SW-3C-20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		15-115
Phenol-d5	24		15-115
Nitrobenzene-d5	67		30-130
2-Fluorobiphenyl	66		30-130
2,4,6-Tribromophenol	62		15-115
Terphenyl-d14	94		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-11
Client ID: SW-3C-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/23/15 13:40
Analyst: SF

Date Collected: 12/17/15 14:25
Date Received: 12/18/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 06:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	6.11	J	ng/l	10.1	1.79	1
2-Methylnaphthalene	1.72	J	ng/l	10.1	1.07	1
Acenaphthylene	ND		ng/l	10.1	1.79	1
Acenaphthene	ND		ng/l	10.1	1.63	1
Fluorene	ND		ng/l	10.1	1.75	1
Phenanthrene	2.86	J	ng/l	10.1	1.91	1
Anthracene	ND		ng/l	10.1	1.96	1
Fluoranthene	1.55	J	ng/l	10.1	1.50	1
Pyrene	ND		ng/l	10.1	1.54	1
Benz(a)anthracene	ND		ng/l	10.1	1.75	1
Chrysene	ND		ng/l	10.1	0.945	1
Benzo(b)fluoranthene	7.45	J	ng/l	10.1	1.49	1
Benzo(k)fluoranthene	3.03	J	ng/l	10.1	1.18	1
Benzo(a)pyrene	6.14	J	ng/l	10.1	0.848	1
Indeno(1,2,3-cd)pyrene	6.56	J	ng/l	10.1	0.538	1
Dibenz(a,h)anthracene	ND		ng/l	10.1	0.692	1
Benzo(g,h,i)perylene	5.17	J	ng/l	10.1	1.32	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	73		30-130
Pyrene-d10	82		30-130
Benzo(b)fluoranthene-d12	79		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-12
Client ID: EB20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/31/15 22:28
Analyst: JT

Date Collected: 12/17/15 16:00
Date Received: 12/18/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/23/15 16:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.476	0.069	1
Pyridine	ND		ug/l	0.476	0.155	1
Benzaldehyde	ND		ug/l	1.90	0.113	1
Aniline	ND		ug/l	0.952	0.121	1
bis(2-Chloroethyl)ether	ND		ug/l	0.476	0.089	1
Phenol	ND		ug/l	0.476	0.049	1
2-Chlorophenol	ND		ug/l	0.476	0.087	1
1,3-Dichlorobenzene	ND		ug/l	0.476	0.075	1
1,4-Dichlorobenzene	ND		ug/l	0.476	0.079	1
1,2-Dichlorobenzene	ND		ug/l	0.476	0.065	1
Benzyl alcohol	ND		ug/l	0.476	0.117	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.476	0.103	1
2-Methylphenol	ND		ug/l	0.476	0.099	1
Acetophenone	ND		ug/l	0.952	0.197	1
Hexachloroethane	ND		ug/l	0.476	0.097	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.476	0.117	1
4-Methylphenol	ND		ug/l	0.476	0.108	1
Nitrobenzene	ND		ug/l	0.476	0.097	1
Isophorone	ND		ug/l	0.476	0.120	1
2-Nitrophenol	ND		ug/l	0.476	0.110	1
2,4-Dimethylphenol	ND		ug/l	1.90	0.230	1
Benzoic acid	ND		ug/l	38.1	2.87	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.476	0.081	1
2,4-Dichlorophenol	ND		ug/l	0.476	0.095	1
1,2,4-Trichlorobenzene	ND		ug/l	0.476	0.092	1
4-Chloroaniline	ND		ug/l	0.476	0.122	1
Hexachlorobutadiene	ND		ug/l	0.476	0.081	1
Caprolactam	ND		ug/l	1.90	0.117	1
4-Chloro-3-methylphenol	ND		ug/l	0.476	0.098	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.476	0.076	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-12 Date Collected: 12/17/15 16:00

Client ID: EB20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.476	0.146	1
2,4,6-Trichlorophenol	ND		ug/l	0.476	0.145	1
2,4,5-Trichlorophenol	ND		ug/l	0.476	0.087	1
Biphenyl	ND		ug/l	0.476	0.106	1
2-Chloronaphthalene	ND		ug/l	0.476	0.086	1
2-Nitroaniline	ND		ug/l	0.476	0.131	1
Dimethylphthalate	ND		ug/l	0.476	0.111	1
2,6-Dinitrotoluene	ND		ug/l	0.476	0.160	1
3-Nitroaniline	ND		ug/l	0.476	0.106	1
2,4-Dinitrophenol	ND		ug/l	4.76	0.693	1
Dibenzofuran	ND		ug/l	0.476	0.087	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.476	0.136	1
2,4-Dinitrotoluene	ND		ug/l	0.476	0.155	1
4-Nitrophenol	ND		ug/l	2.38	0.562	1
4-Chlorophenyl-phenylether	ND		ug/l	0.476	0.075	1
Diethylphthalate	ND		ug/l	0.476	0.171	1
4-Nitroaniline	ND		ug/l	0.476	0.107	1
4,6-Dinitro-2-methylphenol	ND		ug/l	1.90	0.486	1
Azobenzene	ND		ug/l	0.476	0.122	1
n-Nitrosodiphenylamine	ND		ug/l	0.476	0.069	1
4-Bromophenyl-phenylether	ND		ug/l	0.476	0.095	1
Hexachlorobenzene	ND		ug/l	0.476	0.116	1
Atrazine	ND		ug/l	0.476	0.152	1
Pentachlorophenol	ND		ug/l	1.90	0.410	1
Pentachloronitrobenzene	ND		ug/l	0.476	0.161	1
Carbazole	ND		ug/l	0.476	0.136	1
Di-n-butylphthalate	ND		ug/l	0.476	0.095	1
Benzidine	ND		ug/l	95.2	0.442	1
Butylbenzylphthalate	ND		ug/l	0.476	0.081	1
3,3'-Dichlorobenzidine	ND		ug/l	0.476	0.184	1
bis(2-Ethylhexyl)phthalate	ND		ug/l	0.476	0.077	1
Di-n-octylphthalate	ND		ug/l	0.952	0.075	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-12 Date Collected: 12/17/15 16:00

Client ID: EB20151217 Date Received: 12/18/15

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		15-115
Phenol-d5	24		15-115
Nitrobenzene-d5	71		30-130
2-Fluorobiphenyl	66		30-130
2,4,6-Tribromophenol	83		15-115
Terphenyl-d14	96		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-12
Client ID: EB20151217
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/23/15 14:11
Analyst: SF

Date Collected: 12/17/15 16:00
Date Received: 12/18/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/22/15 06:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	5.65	J	ng/l	10.0	1.77	1
2-Methylnaphthalene	2.08	J	ng/l	10.0	1.06	1
Acenaphthylene	ND		ng/l	10.0	1.77	1
Acenaphthene	ND		ng/l	10.0	1.61	1
Fluorene	ND		ng/l	10.0	1.73	1
Phenanthrene	ND		ng/l	10.0	1.89	1
Anthracene	ND		ng/l	10.0	1.94	1
Fluoranthene	ND		ng/l	10.0	1.49	1
Pyrene	ND		ng/l	10.0	1.52	1
Benz(a)anthracene	ND		ng/l	10.0	1.73	1
Chrysene	ND		ng/l	10.0	0.936	1
Benzo(b)fluoranthene	7.16	J	ng/l	10.0	1.48	1
Benzo(k)fluoranthene	2.80	J	ng/l	10.0	1.17	1
Benzo(a)pyrene	5.91	J	ng/l	10.0	0.840	1
Indeno(1,2,3-cd)pyrene	6.34	J	ng/l	10.0	0.533	1
Dibenz(a,h)anthracene	ND		ng/l	10.0	0.685	1
Benzo(g,h,i)perylene	4.91	J	ng/l	10.0	1.31	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	72		30-130
Pyrene-d10	83		30-130
Benzo(b)fluoranthene-d12	85		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/22/15 20:28
Analyst: SF

Extraction Method: EPA 3510C
Extraction Date: 12/22/15 06:30

Parameter	Result	Qualifier	Units	RL	MDL
PAHs by GC/MS-SIM - Mansfield Lab for sample(s): 01-07,09-12 Batch: WG851972-1					
Naphthalene	ND		ng/l	10.0	1.77
2-Methylnaphthalene	ND		ng/l	10.0	1.06
Acenaphthylene	ND		ng/l	10.0	1.77
Acenaphthene	ND		ng/l	10.0	1.61
Fluorene	ND		ng/l	10.0	1.73
Phenanthrene	ND		ng/l	10.0	1.89
Anthracene	ND		ng/l	10.0	1.94
Fluoranthene	ND		ng/l	10.0	1.49
Pyrene	ND		ng/l	10.0	1.52
Benz(a)anthracene	ND		ng/l	10.0	1.73
Chrysene	ND		ng/l	10.0	0.936
Benzo(b)fluoranthene	7.12	J	ng/l	10.0	1.48
Benzo(k)fluoranthene	2.77	J	ng/l	10.0	1.17
Benzo(a)pyrene	ND		ng/l	10.0	0.840
Indeno(1,2,3-cd)pyrene	6.23	J	ng/l	10.0	0.533
Dibenz(a,h)anthracene	ND		ng/l	10.0	0.685
Benzo(g,h,i)perylene	ND		ng/l	10.0	1.31

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	72		30-130
Pyrene-d10	84		30-130
Benzo(b)fluoranthene-d12	86		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/31/15 15:13
Analyst: JT

Extraction Method: EPA 3510C
Extraction Date: 12/23/15 16:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Mansfield Lab for sample(s): 01-07,09-12 Batch: WG852537-1					
N-Nitrosodimethylamine	ND		ug/l	0.500	0.072
Pyridine	ND		ug/l	0.500	0.163
Benzaldehyde	ND		ug/l	2.00	0.119
Aniline	ND		ug/l	1.00	0.127
bis(2-Chloroethyl)ether	ND		ug/l	0.500	0.093
Phenol	ND		ug/l	0.500	0.051
2-Chlorophenol	ND		ug/l	0.500	0.091
1,3-Dichlorobenzene	ND		ug/l	0.500	0.078
1,4-Dichlorobenzene	ND		ug/l	0.500	0.083
1,2-Dichlorobenzene	ND		ug/l	0.500	0.068
Benzyl alcohol	ND		ug/l	0.500	0.123
bis(2-chloroisopropyl)ether	ND		ug/l	0.500	0.108
2-Methylphenol	ND		ug/l	0.500	0.104
Acetophenone	ND		ug/l	1.00	0.207
Hexachloroethane	ND		ug/l	0.500	0.102
N-Nitroso-di-n-propylamine	ND		ug/l	0.500	0.123
4-Methylphenol	ND		ug/l	0.500	0.113
Nitrobenzene	ND		ug/l	0.500	0.102
Isophorone	ND		ug/l	0.500	0.126
2-Nitrophenol	ND		ug/l	0.500	0.115
2,4-Dimethylphenol	ND		ug/l	2.00	0.241
Benzoic acid	ND		ug/l	40.0	3.01
bis(2-Chloroethoxy)methane	ND		ug/l	0.500	0.085
2,4-Dichlorophenol	ND		ug/l	0.500	0.100
1,2,4-Trichlorobenzene	ND		ug/l	0.500	0.096
4-Chloroaniline	ND		ug/l	0.500	0.128
Hexachlorobutadiene	ND		ug/l	0.500	0.086
Caprolactam	ND		ug/l	2.00	0.123
4-Chloro-3-methylphenol	ND		ug/l	0.500	0.103

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/31/15 15:13
Analyst: JT

Extraction Method: EPA 3510C
Extraction Date: 12/23/15 16:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Mansfield Lab for sample(s): 01-07,09-12 Batch: WG852537-1					
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.500	0.080
Hexachlorocyclopentadiene	ND		ug/l	0.500	0.153
2,4,6-Trichlorophenol	ND		ug/l	0.500	0.152
2,4,5-Trichlorophenol	ND		ug/l	0.500	0.091
Biphenyl	ND		ug/l	0.500	0.111
2-Chloronaphthalene	ND		ug/l	0.500	0.090
2-Nitroaniline	ND		ug/l	0.500	0.138
Dimethylphthalate	ND		ug/l	0.500	0.117
2,6-Dinitrotoluene	ND		ug/l	0.500	0.168
3-Nitroaniline	ND		ug/l	0.500	0.111
2,4-Dinitrophenol	ND		ug/l	5.00	0.728
Dibenzofuran	ND		ug/l	0.500	0.091
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.500	0.143
2,4-Dinitrotoluene	ND		ug/l	0.500	0.163
4-Nitrophenol	ND		ug/l	2.50	0.590
4-Chlorophenyl-phenylether	ND		ug/l	0.500	0.079
Diethylphthalate	ND		ug/l	0.500	0.180
4-Nitroaniline	ND		ug/l	0.500	0.112
4,6-Dinitro-2-methylphenol	ND		ug/l	2.00	0.510
Azobenzene	ND		ug/l	0.500	0.128
n-Nitrosodiphenylamine	ND		ug/l	0.500	0.072
4-Bromophenyl-phenylether	ND		ug/l	0.500	0.100
Hexachlorobenzene	ND		ug/l	0.500	0.122
Atrazine	ND		ug/l	0.500	0.160
Pentachlorophenol	ND		ug/l	2.00	0.430
Pentachloronitrobenzene	ND		ug/l	0.500	0.169
Carbazole	ND		ug/l	0.500	0.143
Di-n-butylphthalate	ND		ug/l	0.500	0.100
Benzidine	ND		ug/l	100	0.464

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/31/15 15:13
Analyst: JT

Extraction Method: EPA 3510C
Extraction Date: 12/23/15 16:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Mansfield Lab for sample(s): 01-07,09-12 Batch: WG852537-1					
Butylbenzylphthalate	ND		ug/l	0.500	0.085
3,3'-Dichlorobenzidine	ND		ug/l	0.500	0.193
bis(2-Ethylhexyl)phthalate	0.088	J	ug/l	0.500	0.081
Di-n-octylphthalate	ND		ug/l	1.00	0.079

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		15-115
Phenol-d5	29		15-115
Nitrobenzene-d5	72		30-130
2-Fluorobiphenyl	73		30-130
2,4,6-Tribromophenol	82		15-115
Terphenyl-d14	95		30-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2

Project Number: E50593-01.01

Lab Number: L1533592

Report Date: 01/12/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PAHs by GC/MS-SIM - Mansfield Lab Associated sample(s): 01-07,09-12 Batch: WG851972-2 WG851972-3								
Naphthalene	74		70		40-140	6		30
2-Methylnaphthalene	81		76		40-140	6		30
Acenaphthylene	86		81		40-140	6		30
Acenaphthene	79		74		40-140	7		30
Fluorene	85		81		40-140	5		30
Phenanthrene	86		81		40-140	6		30
Anthracene	88		85		40-140	3		30
Fluoranthene	90		88		40-140	2		30
Pyrene	86		81		40-140	6		30
Benz(a)anthracene	89		84		40-140	6		30
Chrysene	85		84		40-140	1		30
Benzo(b)fluoranthene	82		78		40-140	5		30
Benzo(k)fluoranthene	88		88		40-140	0		30
Benzo(a)pyrene	82		79		40-140	4		30
Indeno(1,2,3-cd)pyrene	85		85		40-140	0		30
Dibenz(a,h)anthracene	84		80		40-140	5		30
Benzo(g,h,i)perylene	83		79		40-140	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2

Project Number: E50593-01.01

Lab Number: L1533592

Report Date: 01/12/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PAHs by GC/MS-SIM - Mansfield Lab Associated sample(s): 01-07,09-12 Batch: WG851972-2 WG851972-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Methylnaphthalene-d10	76		71		30-130
Pyrene-d10	87		81		30-130
Benzo(b)fluoranthene-d12	82		81		30-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2

Project Number: E50593-01.01

Lab Number: L1533592

Report Date: 01/12/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-07,09-12 Batch: WG852537-2 WG852537-3								
n-Nitrosodimethylamine	49		45		40-140	9		20
Pyridine	**36**	Q	**39**	Q	40-140	8		20
Benzaldehyde	79		69		40-140	14		20
Aniline	60		62		40-140	3		20
Bis(2-chloroethyl)ether	74		64		40-140	14		20
Phenol	32		30		30-130	6		20
2-Chlorophenol	66		59		30-130	11		20
1,3-Dichlorobenzene	**39**	Q	**34**	Q	40-140	14		20
1,4-Dichlorobenzene	40		**35**	Q	40-140	13		20
1,2-Dichlorobenzene	43		**36**	Q	40-140	18		20
Bis(2-chloroisopropyl)ether	77		60		40-140	**25**	Q	20
2-Methylphenol	64		59		30-130	8		20
Acetophenone	90		83		40-140	8		20
Hexachloroethane	**36**	Q	**34**	Q	40-140	6		20
N-Nitroso-di-n-propylamine	81		74		40-140	9		20
4-Methylphenol	64		60		30-130	6		20
Nitrobenzene	74		63		40-140	16		20
Isophorone	82		78		40-140	5		20
2-Nitrophenol	71		64		40-140	10		20
2,4-Dimethylphenol	83		78		40-140	6		20
Benzoic Acid	**18**	Q	**13**	Q	40-140	**32**	Q	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-07,09-12 Batch: WG852537-2 WG852537-3								
Bis(2-chloroethoxy)methane	77		74		40-140	4		20
2,4-Dichlorophenol	75		70		30-130	7		20
1,2,4-Trichlorobenzene	44		**37**	Q	40-140	17		20
Naphthalene	56		43		40-140	**26**	Q	20
4-Chloroaniline	67		69		40-140	3		20
Hexachlorobutadiene	**33**	Q	**34**	Q	40-140	3		20
Caprolactam	**28**	Q	**28**	Q	40-140	0		20
P-Chloro-M-Cresol	81		80		30-130	1		20
2-Methylnaphthalene	57		44		40-140	**26**	Q	20
1,2,4,5-Tetrachlorobenzene	48		40		40-140	18		20
Hexachlorocyclopentadiene	41		40		40-140	2		20
2,4,6-Trichlorophenol	79		78		30-130	1		20
2,4,5-Trichlorophenol	81		82		30-130	1		20
Biphenyl	78		72		40-140	8		20
2-Chloronaphthalene	62		47		40-140	**28**	Q	20
2-Nitroaniline	87		90		40-140	3		20
Acenaphthylene	73		58		40-140	**23**	Q	20
Dimethylphthalate	83		86		40-140	4		20
2,6-Dinitrotoluene	82		84		40-140	2		20
Acenaphthene	70		55		40-140	**24**	Q	20
3-Nitroaniline	74		80		40-140	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2

Project Number: E50593-01.01

Lab Number: L1533592

Report Date: 01/12/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-07,09-12 Batch: WG852537-2 WG852537-3								
2,4-Dinitrophenol	81		82		30-130	1		20
Dibenzofuran	74		59		40-140	**23**	Q	20
2,3,4,6-Tetrachlorophenol	84		85		30-130	1		20
2,4-Dinitrotoluene	85		86		40-140	1		20
4-Nitrophenol	45		48		30-130	6		20
Fluorene	78		65		40-140	18		20
4-Chlorophenyl-phenylether	73		58		40-140	**23**	Q	20
Diethylphthalate	86		89		40-140	3		20
4-Nitroaniline	85		90		40-140	6		20
4,6-Dinitro-2-Methylphenol	80		87		30-130	8		20
Azobenzene	80		71		40-140	12		20
NitrosoDiPhenylAmine(NDPA)/DPA	82		85		40-140	4		20
4-Bromophenyl-phenylether	76		64		40-140	17		20
Hexachlorobenzene	74		66		40-140	11		20
Atrazine	91		94		40-140	3		20
Pentachlorophenol	83		83		30-130	0		20
Phenanthrene	80		76		40-140	5		20
Anthracene	82		80		40-140	2		20
Carbazole	86		89		40-140	3		20
Di-n-butylphthalate	91		94		40-140	3		20
Fluoranthene	84		86		40-140	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-07,09-12 Batch: WG852537-2 WG852537-3								
Benzidine	**12**	Q	**30**	Q	40-140	**86**	Q	20
Pyrene	86		88		40-140	2		20
Butylbenzylphthalate	94		96		40-140	2		20
3,3'-Dichlorobenzidine	69		70		40-140	1		20
Benz(a)anthracene	84		87		40-140	4		20
Chrysene	83		86		40-140	4		20
Bis(2-Ethylhexyl)phthalate	92		94		40-140	2		20
Di-n-octylphthalate	97		101		40-140	4		20
Benzo(b)fluoranthene	87		91		40-140	4		20
Benzo(k)fluoranthene	87		92		40-140	6		20
Benzo(a)pyrene	87		91		40-140	4		20
Indeno(1,2,3-cd)Pyrene	87		91		40-140	4		20
Dibenz(a,h)anthracene	87		90		40-140	3		20
Benzo(ghi)perylene	88		92		40-140	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2

Project Number: E50593-01.01

Lab Number: L1533592

Report Date: 01/12/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-07,09-12 Batch: WG852537-2 WG852537-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	43		39		15-115
Phenol-d5	30		28		15-115
Nitrobenzene-d5	76		70		30-130
2-Fluorobiphenyl	75		70		30-130
2,4,6-Tribromophenol	82		86		15-115
Terphenyl-d14	88		93		30-130

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
PAHs by GC/MS-SIM - Mansfield Lab Associated sample(s): 01-07,09-12 QC Batch ID: WG851972-4 WG851972-5 QC Sample: L1533592-05 Client ID: SW-2B-20151217												
Naphthalene	6.15J	532	373	70		404	73		40-140	8		30
2-Methylnaphthalene	1.69J	532	397	75		437	79		40-140	10		30
Acenaphthylene	ND	532	427	80		456	82		40-140	7		30
Acenaphthene	ND	532	387	73		412	74		40-140	6		30
Fluorene	ND	532	422	79		449	81		40-140	6		30
Phenanthrene	3.03J	532	435	82		475	86		40-140	9		30
Anthracene	ND	532	441	83		464	84		40-140	5		30
Fluoranthene	1.63J	532	467	88		494	89		40-140	6		30
Pyrene	ND	532	431	81		460	83		40-140	7		30
Benz(a)anthracene	4.82J	532	444	84		482	87		40-140	8		30
Chrysene	ND	532	422	79		440	79		40-140	4		30
Benzo(b)fluoranthene	7.72J	532	385	72		420	76		40-140	9		30
Benzo(k)fluoranthene	3.17J	532	414	78		427	77		40-140	3		30
Benzo(a)pyrene	6.27J	532	378	71		402	72		40-140	6		30
Indeno(1,2,3-cd)pyrene	6.75J	532	331	62		375	68		40-140	12		30
Dibenz(a,h)anthracene	ND	532	290	54		311	56		40-140	7		30
Benzo(g,h,i)perylene	5.26J	532	296	56		317	57		40-140	7		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	68		72		30-130

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
PAHs by GC/MS-SIM - Mansfield Lab Associated sample(s): 01-07,09-12 QC Batch ID: WG851972-4 WG851972-5 QC Sample: L1533592-05 Client ID: SW-2B-20151217												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Benzo(b)fluoranthene-d12	79		78		30-130
Pyrene-d10	82		83		30-130

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-07,09-12 QC Batch ID: WG852537-4 WG852537-5 QC Sample: L1533592-05 Client ID: SW-2B-20151217												
n-Nitrosodimethylamine	ND	10.5	4.19	40		4.59	44		40-140	9		20
Pyridine	ND	10.5	2.60	**25**	Q	3.40	**32**	Q	40-140	**27**	Q	20
Benzaldehyde	ND	10.5	6.57	62		6.92	66		40-140	5		20
Aniline	ND	10.5	4.47	42		5.50	52		40-140	**21**	Q	20
Bis(2-chloroethyl)ether	ND	10.5	6.60	63		7.39	70		40-140	11		20
Phenol	ND	10.5	2.56	**24**	Q	2.83	**27**	Q	30-130	10		20
2-Chlorophenol	ND	10.5	5.82	55		6.55	62		30-130	12		20
1,3-Dichlorobenzene	ND	10.5	3.23	**31**	Q	3.74	**36**	Q	40-140	15		20
1,4-Dichlorobenzene	ND	10.5	3.36	**32**	Q	3.81	**36**	Q	40-140	13		20
1,2-Dichlorobenzene	ND	10.5	3.51	**33**	Q	3.98	**38**	Q	40-140	13		20
Bis(2-chloroisopropyl)ether	ND	10.5	6.74	64		7.66	73		40-140	13		20
2-Methylphenol	ND	10.5	5.24	50		6.13	58		30-130	16		20
Acetophenone	ND	10.5	7.84	74		8.92	85		40-140	13		20
Hexachloroethane	ND	10.5	3.16	**30**	Q	3.63	**34**	Q	40-140	14		20
N-Nitroso-di-n-propylamine	ND	10.5	7.21	68		8.18	78		40-140	13		20
4-Methylphenol	ND	10.5	5.10	48		6.03	57		30-130	17		20
Nitrobenzene	ND	10.5	6.71	64		7.62	72		40-140	13		20
Isophorone	ND	10.5	7.49	71		8.53	81		40-140	13		20
2-Nitrophenol	ND	10.5	6.55	62		7.43	71		40-140	13		20
2,4-Dimethylphenol	ND	10.5	4.83	46		7.50	71		40-140	**43**	Q	20
Benzoic Acid	ND	52.6	15.6J	**30**	Q	16.6J	**32**	Q	40-140	6		20

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-07,09-12 QC Batch ID: WG852537-4 WG852537-5 QC Sample: L1533592-05 Client ID: SW-2B-20151217												
Bis(2-chloroethoxy)methane	ND	10.5	7.14	68		8.18	78		40-140	14		20
2,4-Dichlorophenol	ND	10.5	6.78	64		7.82	74		30-130	14		20
1,2,4-Trichlorobenzene	ND	10.5	3.55	**34**	Q	4.21	40		40-140	17		20
Naphthalene	ND	10.5	4.56	43		5.32	50		40-140	15		20
4-Chloroaniline	ND	10.5	5.31	50		5.92	56		40-140	11		20
Hexachlorobutadiene	ND	10.5	3.11	**30**	Q	3.69	**35**	Q	40-140	17		20
Caprolactam	ND	10.5	2.63	**25**	Q	2.80	**27**	Q	40-140	6		20
P-Chloro-M-Cresol	ND	10.5	7.66	73		8.46	80		30-130	10		20
2-Methylnaphthalene	ND	10.5	4.43	42		5.34	51		40-140	19		20
1,2,4,5-Tetrachlorobenzene	ND	10.5	3.77	**36**	Q	4.57	43		40-140	19		20
Hexachlorocyclopentadiene	ND	10.5	3.80	**36**	Q	4.48	43		40-140	16		20
2,4,6-Trichlorophenol	ND	10.5	7.80	74		8.61	82		30-130	10		20
2,4,5-Trichlorophenol	ND	10.5	8.12	77		8.62	82		30-130	6		20
Biphenyl	ND	10.5	6.78	64		7.42	70		40-140	9		20
2-Chloronaphthalene	ND	10.5	4.90	47		5.83	55		40-140	17		20
2-Nitroaniline	ND	10.5	9.00	86		9.52	90		40-140	6		20
Acenaphthylene	ND	10.5	6.44	61		7.24	69		40-140	12		20
Dimethylphthalate	ND	10.5	8.66	82		9.01	86		40-140	4		20
2,6-Dinitrotoluene	ND	10.5	8.62	82		8.99	85		40-140	4		20
Acenaphthene	ND	10.5	6.14	58		7.01	67		40-140	13		20
3-Nitroaniline	ND	10.5	7.24	69		7.47	71		40-140	3		20

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-07,09-12 QC Batch ID: WG852537-4 WG852537-5 QC Sample: L1533592-05 Client ID: SW-2B-20151217												
2,4-Dinitrophenol	ND	10.5	9.24	88		9.64	92		30-130	4		20
Dibenzofuran	ND	10.5	6.73	64		7.47	71		40-140	10		20
2,3,4,6-Tetrachlorophenol	ND	10.5	8.89	84		9.23	88		30-130	4		20
2,4-Dinitrotoluene	ND	10.5	9.02	86		9.45	90		40-140	5		20
4-Nitrophenol	ND	10.5	4.35	41		4.49	43		30-130	3		20
Fluorene	ND	10.5	7.70	73		8.24	78		40-140	7		20
4-Chlorophenyl-phenylether	ND	10.5	7.18	68		7.77	74		40-140	8		20
Diethylphthalate	ND	10.5	9.22	88		9.58	91		40-140	4		20
4-Nitroaniline	ND	10.5	8.40	80		8.71	83		40-140	4		20
4,6-Dinitro-2-Methylphenol	ND	10.5	9.05	86		9.41	89		30-130	4		20
Azobenzene	ND	10.5	8.14	77		8.56	81		40-140	5		20
NitrosoDiPhenylAmine(NDPA)/DPA	ND	10.5	8.69	83		9.05	86		40-140	4		20
4-Bromophenyl-phenylether	ND	10.5	7.97	76		8.38	80		40-140	5		20
Hexachlorobenzene	ND	10.5	8.12	77		8.48	81		40-140	4		20
Atrazine	ND	10.5	9.30	88		9.49	90		40-140	2		20
Pentachlorophenol	ND	10.5	9.03	86		9.50	90		30-130	5		20
Phenanthrene	ND	10.5	8.74	83		9.14	87		40-140	4		20
Anthracene	ND	10.5	8.77	83		9.07	86		40-140	3		20
Carbazole	ND	10.5	9.17	87		9.70	92		40-140	6		20
Di-n-butylphthalate	ND	10.5	9.35	89		9.76	93		40-140	4		20
Fluoranthene	ND	10.5	8.90	85		9.25	88		40-140	4		20

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-07,09-12 QC Batch ID: WG852537-4 WG852537-5 QC Sample: L1533592-05 Client ID: SW-2B-20151217												
Benzidine	ND	26.3	ND	**0**	Q	1.48J	**6**	Q	40-140	NC		20
Pyrene	ND	10.5	9.37	89		9.61	91		40-140	3		20
Butylbenzylphthalate	ND	10.5	10.3	98		10.4	99		40-140	1		20
3,3'-Dichlorobenzidine	ND	10.5	6.22	59		7.05	67		40-140	13		20
Benz(a)anthracene	ND	10.5	9.10	86		9.35	89		40-140	3		20
Chrysene	ND	10.5	8.96	85		9.30	88		40-140	4		20
Bis(2-Ethylhexyl)phthalate	ND	10.5	9.93	94		10.1	96		40-140	2		20
Di-n-octylphthalate	ND	10.5	10.3	98		10.7	102		40-140	4		20
Benzo(b)fluoranthene	ND	10.5	9.16	87		9.64	92		40-140	5		20
Benzo(k)fluoranthene	ND	10.5	9.31	88		9.79	93		40-140	5		20
Benzo(a)pyrene	ND	10.5	9.27	88		9.83	93		40-140	6		20
Indeno(1,2,3-cd)Pyrene	ND	10.5	9.04	86		9.53	90		40-140	5		20
Dibenz(a,h)anthracene	ND	10.5	9.09	86		9.57	91		40-140	5		20
Benzo(ghi)perylene	ND	10.5	9.28	88		9.75	93		40-140	5		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	81		86		15-115
2-Fluorobiphenyl	63		72		30-130
2-Fluorophenol	33		37		15-115
Nitrobenzene-d5	65		74		30-130
Phenol-d5	23		26		15-115

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-07,09-12 QC Batch ID: WG852537-4 WG852537-5 QC Sample: L1533592-05 Client ID: SW-2B-20151217

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Terphenyl-d14	88		90		30-130

INORGANICS
&
MISCELLANEOUS

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-01
Client ID: SW-1A-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 12/17/15 11:20
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	12/22/15 12:55	30,2540D	SG
Dissolved Organic Carbon	3.5		mg/l	1.0	0.12	1	12/22/15 04:45	01/06/16 17:43	30,5310C	ML

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-01 D
Client ID: SW-1A-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 12/17/15 11:20
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Total Organic Carbon	3.54		mg/l	1.00	0.228	2	-	01/06/16 09:14	30,5310C	DW

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-02
Client ID: SW-1B-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 12/17/15 11:15
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	12/22/15 12:55	30,2540D	SG
Dissolved Organic Carbon	3.5		mg/l	1.0	0.12	1	12/22/15 04:45	01/06/16 17:43	30,5310C	ML

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-02 D
Client ID: SW-1B-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 12/17/15 11:15
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Total Organic Carbon	3.25		mg/l	1.00	0.228	2	-	01/06/16 09:14	30,5310C	DW

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-03
Client ID: SW-1C-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 12/17/15 10:50
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	12/22/15 12:55	30,2540D	SG
Dissolved Organic Carbon	3.5		mg/l	1.0	0.12	1	12/22/15 04:45	01/06/16 17:43	30,5310C	ML

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-03 D
Client ID: SW-1C-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 12/17/15 10:50
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Total Organic Carbon	3.39		mg/l	1.00	0.228	2	-	01/06/16 09:14	30,5310C	DW

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-04
Client ID: SW-2A-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 12/17/15 11:45
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	12/22/15 12:55	30,2540D	SG
Dissolved Organic Carbon	3.6		mg/l	1.0	0.12	1	12/22/15 04:45	01/06/16 17:43	30,5310C	ML

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-04 D
Client ID: SW-2A-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 12/17/15 11:45
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Total Organic Carbon	3.21		mg/l	1.00	0.228	2	-	01/06/16 09:14	30,5310C	DW

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-05
Client ID: SW-2B-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 12/17/15 11:55
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	12/22/15 12:55	30,2540D	SG
Dissolved Organic Carbon	3.6		mg/l	1.0	0.12	1	12/22/15 04:45	01/06/16 17:43	30,5310C	ML

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-05 D
Client ID: SW-2B-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 12/17/15 11:55
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Total Organic Carbon	3.35		mg/l	1.00	0.228	2	-	01/06/16 09:14	30,5310C	DW

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-06
Client ID: SW-2C-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 12/17/15 12:15
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	12/22/15 12:55	30,2540D	SG
Dissolved Organic Carbon	3.5		mg/l	1.0	0.12	1	12/22/15 04:45	01/06/16 17:43	30,5310C	ML

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-06 D
Client ID: SW-2C-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 12/17/15 12:15
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Total Organic Carbon	3.43		mg/l	1.00	0.228	2	-	01/06/16 09:14	30,5310C	DW

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-07
Client ID: DUP-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 12/17/15 00:00
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	12/22/15 12:55	30,2540D	SG
Dissolved Organic Carbon	3.6		mg/l	1.0	0.12	1	12/22/15 04:45	01/06/16 17:43	30,5310C	ML

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-07 D
Client ID: DUP-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 12/17/15 00:00
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Total Organic Carbon	3.34		mg/l	1.00	0.228	2	-	01/06/16 09:14	30,5310C	DW

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-09
Client ID: SW-3A-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 12/17/15 14:10
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	12/22/15 12:55	30,2540D	SG
Dissolved Organic Carbon	3.6		mg/l	1.0	0.12	1	12/22/15 04:45	01/06/16 17:43	30,5310C	ML

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-09 D
Client ID: SW-3A-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 12/17/15 14:10
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Total Organic Carbon	3.53		mg/l	1.00	0.228	2	-	01/06/16 09:14	30,5310C	DW

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-10
Client ID: SW-3B-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 12/17/15 14:20
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	12/22/15 12:55	30,2540D	SG
Dissolved Organic Carbon	3.5		mg/l	1.0	0.12	1	12/22/15 04:45	01/06/16 17:43	30,5310C	ML

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-10 D
Client ID: SW-3B-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 12/17/15 14:20
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Total Organic Carbon	3.24		mg/l	1.00	0.228	2	-	01/06/16 09:14	30,5310C	DW

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-11
Client ID: SW-3C-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 12/17/15 14:25
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	12/22/15 12:55	30,2540D	SG
Dissolved Organic Carbon	3.7		mg/l	1.0	0.12	1	12/22/15 04:45	01/06/16 17:43	30,5310C	ML

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-11 D
Client ID: SW-3C-20151217
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 12/17/15 14:25
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Total Organic Carbon	3.26		mg/l	1.00	0.228	2	-	01/06/16 09:14	30,5310C	DW

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

SAMPLE RESULTS

Lab ID: L1533592-12
Client ID: EB20151217
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 12/17/15 16:00
Date Received: 12/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	12/22/15 12:55	30,2540D	SG
Total Organic Carbon	ND		mg/l	0.500	0.114	1	-	01/06/16 09:14	30,5310C	DW
Dissolved Organic Carbon	0.12	J	mg/l	1.0	0.12	1	12/22/15 04:45	01/06/16 17:43	30,5310C	ML

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1533592

Project Number: E50593-01.01 **Report Date:** 01/12/16

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-07,09-11 Batch: WG851979-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	12/22/15 12:55	30,2540D	SG
General Chemistry - Westborough Lab for sample(s): 12 Batch: WG851980-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	12/22/15 12:55	30,2540D	SG
General Chemistry - Westborough Lab for sample(s): 01-07,09-12 Batch: WG855076-1										
Dissolved Organic Carbon	0.29	J	mg/l	1.0	0.12	1	12/22/15 04:45	01/06/16 17:43	30,5310C	ML
General Chemistry - Westborough Lab for sample(s): 01-07,09-12 Batch: WG855077-1										
Total Organic Carbon	ND		mg/l	0.500	0.114	1	-	01/06/16 09:14	30,5310C	DW

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2

Project Number: E50593-01.01

Lab Number: L1533592

Report Date: 01/12/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07,09-12 Batch: WG855076-2								
Dissolved Organic Carbon	100		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-07,09-12 Batch: WG855077-2								
Total Organic Carbon	100		-		90-110	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07,09-12 QC Batch ID: WG855076-4 QC Sample: L1533592-05 Client ID: SW-2B-20151217												
Dissolved Organic Carbon	3.6	4	8.1	112		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-07,09-12 QC Batch ID: WG855077-4 QC Sample: L1533592-05 Client ID: SW-2B-20151217												
Total Organic Carbon	3.35	8	12.1	109		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07,09-11 QC Batch ID: WG851979-2 QC Sample: L1533592-05 Client ID: SW-2B-20151217						
Solids, Total Suspended	ND	ND	mg/l	NC		29
General Chemistry - Westborough Lab Associated sample(s): 01-07,09-12 QC Batch ID: WG855076-3 QC Sample: L1533592-05 Client ID: SW-2B-20151217						
Dissolved Organic Carbon	3.6	3.5	mg/l	3		20
General Chemistry - Westborough Lab Associated sample(s): 01-07,09-12 QC Batch ID: WG855077-3 QC Sample: L1533592-05 Client ID: SW-2B-20151217						
Total Organic Carbon	3.35	3.50	mg/l	4		20

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler	
A	Absent
D	Absent
B	Absent
C	Absent
E	Absent
F	Absent
G	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1533592-01A	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-01B	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-01C	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-01D	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-01E	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-01F	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-01G	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-01H	Plastic 950ml unpreserved	C	7	3.4	Y	Absent	TSS-2540(7)
L1533592-01I	Amber 1000ml unpreserved	C	7	3.4	Y	Absent	A2-SVOC-8270(7)
L1533592-01J	Amber 1000ml unpreserved	C	7	3.4	Y	Absent	DOC-5310(28)
L1533592-01K	Amber 1000ml unpreserved	C	7	3.4	Y	Absent	A2-PAH-8270SIM(7)
L1533592-01L	Amber 1000ml unpreserved	C	7	3.4	Y	Absent	A2-PAH-8270SIM(7)
L1533592-01X	Vial unpreserved split	C	N/A	3.4	Y	Absent	DOC-5310(28)
L1533592-01Y	Vial unpreserved split	C	N/A	3.4	Y	Absent	DOC-5310(28)
L1533592-02A	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-02B	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-02C	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-02D	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-02E	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-02F	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-02G	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-02H	Plastic 950ml unpreserved	C	7	3.4	Y	Absent	TSS-2540(7)
L1533592-02I	Amber 1000ml unpreserved	C	7	3.4	Y	Absent	A2-SVOC-8270(7)

*Values in parentheses indicate holding time in days

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1533592-02J	Amber 1000ml unpreserved	C	7	3.4	Y	Absent	DOC-5310(28)
L1533592-02K	Amber 1000ml unpreserved	C	7	3.4	Y	Absent	A2-PAH-8270SIM(7)
L1533592-02L	Amber 1000ml unpreserved	C	7	3.4	Y	Absent	A2-PAH-8270SIM(7)
L1533592-02X	Vial unpreserved split	C	N/A	3.4	Y	Absent	DOC-5310(28)
L1533592-02Y	Vial unpreserved split	C	N/A	3.4	Y	Absent	DOC-5310(28)
L1533592-03A	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-03B	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-03C	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-03D	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-03E	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-03F	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-03G	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-03H	Plastic 950ml unpreserved	A	7	4.7	Y	Absent	TSS-2540(7)
L1533592-03I	Amber 1000ml unpreserved	A	7	4.7	Y	Absent	A2-SVOC-8270(7)
L1533592-03J	Amber 1000ml unpreserved	A	7	4.7	Y	Absent	DOC-5310(28)
L1533592-03K	Amber 1000ml unpreserved	A	7	4.7	Y	Absent	A2-PAH-8270SIM(7)
L1533592-03L	Amber 1000ml unpreserved	A	7	4.7	Y	Absent	A2-PAH-8270SIM(7)
L1533592-03X	Vial unpreserved split	A	N/A	4.7	Y	Absent	DOC-5310(28)
L1533592-03Y	Vial unpreserved split	A	N/A	4.7	Y	Absent	DOC-5310(28)
L1533592-04A	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-04B	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-04C	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-04D	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-04E	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-04F	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-04G	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-04H	Plastic 950ml unpreserved	E	7	3.6	Y	Absent	TSS-2540(7)
L1533592-04I	Amber 1000ml unpreserved	E	7	3.6	Y	Absent	A2-SVOC-8270(7)
L1533592-04J	Amber 1000ml unpreserved	E	7	3.6	Y	Absent	DOC-5310(28)
L1533592-04K	Amber 1000ml unpreserved	E	7	3.6	Y	Absent	A2-PAH-8270SIM(7)
L1533592-04L	Amber 1000ml unpreserved	E	7	3.6	Y	Absent	A2-PAH-8270SIM(7)
L1533592-04X	Vial unpreserved split	E	N/A	3.6	Y	Absent	DOC-5310(28)
L1533592-04Y	Vial unpreserved split	E	N/A	3.6	Y	Absent	DOC-5310(28)
L1533592-05A	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-05A1	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-05A2	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)

*Values in parentheses indicate holding time in days

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1533592-05B	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-05B1	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-05B2	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-05C	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-05C1	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-05C2	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-05D	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-05D1	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-05D2	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-05E	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-05E1	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-05E2	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-05F	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-05F1	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-05F2	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-05G	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-05G1	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-05G2	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-05H	Plastic 950ml unpreserved	E	7	3.6	Y	Absent	TSS-2540(7)
L1533592-05H1	Plastic 950ml unpreserved	F	7	2.0	Y	Absent	TSS-2540(7)
L1533592-05H2	Plastic 950ml unpreserved	F	7	2.0	Y	Absent	TSS-2540(7)
L1533592-05I	Amber 1000ml unpreserved	E	7	3.6	Y	Absent	A2-SVOC-8270(7)
L1533592-05I1	Amber 1000ml unpreserved	F	7	2.0	Y	Absent	A2-SVOC-8270(7)
L1533592-05I2	Amber 1000ml unpreserved	F	7	2.0	Y	Absent	A2-SVOC-8270(7)
L1533592-05J	Amber 1000ml unpreserved	E	7	3.6	Y	Absent	A2-SVOC-8270(7),DOC-5310(28)
L1533592-05J1	Amber 1000ml unpreserved	F	7	2.0	Y	Absent	A2-SVOC-8270(7),DOC-5310(28)
L1533592-05J2	Amber 1000ml unpreserved	F	7	2.0	Y	Absent	A2-SVOC-8270(7)
L1533592-05K	Amber 1000ml unpreserved	E	7	3.6	Y	Absent	A2-PAH-8270SIM(7)
L1533592-05K1	Amber 1000ml unpreserved	F	7	2.0	Y	Absent	A2-PAH-8270SIM(7)
L1533592-05K2	Amber 1000ml unpreserved	F	7	2.0	Y	Absent	A2-PAH-8270SIM(7)
L1533592-05L	Amber 1000ml unpreserved	E	7	3.6	Y	Absent	A2-PAH-8270SIM(7)
L1533592-05L1	Amber 1000ml unpreserved	F	7	2.0	Y	Absent	A2-PAH-8270SIM(7)
L1533592-05L2	Amber 1000ml unpreserved	F	7	2.0	Y	Absent	A2-PAH-8270SIM(7)
L1533592-05X	Vial unpreserved split	F	N/A	2.0	Y	Absent	DOC-5310(28)
L1533592-05Y	Vial unpreserved split	F	N/A	2.0	Y	Absent	DOC-5310(28)

*Values in parentheses indicate holding time in days

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1533592-06A	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-06B	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-06C	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-06D	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-06E	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-06F	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-06G	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-06H	Plastic 950ml unpreserved	G	7	4.9	Y	Absent	TSS-2540(7)
L1533592-06I	Amber 1000ml unpreserved	G	7	4.9	Y	Absent	A2-SVOC-8270(7)
L1533592-06J	Amber 1000ml unpreserved	G	7	4.9	Y	Absent	DOC-5310(28)
L1533592-06K	Amber 1000ml unpreserved	G	7	4.9	Y	Absent	A2-PAH-8270SIM(7)
L1533592-06L	Amber 1000ml unpreserved	G	7	4.9	Y	Absent	A2-PAH-8270SIM(7)
L1533592-06X	Vial unpreserved split	G	N/A	4.9	Y	Absent	DOC-5310(28)
L1533592-06Y	Vial unpreserved split	G	N/A	4.9	Y	Absent	DOC-5310(28)
L1533592-07A	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-07B	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-07C	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-07D	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-07E	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-07F	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	-
L1533592-07G	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	-
L1533592-07H	Plastic 950ml unpreserved	A	7	4.7	Y	Absent	TSS-2540(7)
L1533592-07I	Amber 1000ml unpreserved	A	7	4.7	Y	Absent	A2-SVOC-8270(7)
L1533592-07J	Amber 1000ml unpreserved	A	7	4.7	Y	Absent	DOC-5310(28)
L1533592-07K	Amber 1000ml unpreserved	A	7	4.7	Y	Absent	A2-PAH-8270SIM(7)
L1533592-07L	Amber 1000ml unpreserved	A	7	4.7	Y	Absent	A2-PAH-8270SIM(7)
L1533592-07X	Vial unpreserved split	A	N/A	4.7	Y	Absent	DOC-5310(28)
L1533592-07Y	Vial unpreserved split	A	N/A	4.7	Y	Absent	DOC-5310(28)
L1533592-08A	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-08B	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-09A	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-09B	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-09C	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-09D	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-09E	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-09F	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)

*Values in parentheses indicate holding time in days

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1533592-09G	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-09H	Plastic 950ml unpreserved	D	7	2.5	Y	Absent	TSS-2540(7)
L1533592-09I	Amber 1000ml unpreserved	D	7	2.5	Y	Absent	A2-SVOC-8270(7)
L1533592-09J	Amber 1000ml unpreserved	D	7	2.5	Y	Absent	DOC-5310(28)
L1533592-09K	Amber 1000ml unpreserved	D	7	2.5	Y	Absent	A2-PAH-8270SIM(7)
L1533592-09L	Amber 1000ml unpreserved	D	7	2.5	Y	Absent	A2-PAH-8270SIM(7)
L1533592-09X	Vial unpreserved split	D	N/A	2.5	Y	Absent	DOC-5310(28)
L1533592-09Y	Vial unpreserved split	D	N/A	2.5	Y	Absent	DOC-5310(28)
L1533592-10A	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-10B	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-10C	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-10D	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-10E	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-10F	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-10G	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	-
L1533592-10H	Plastic 950ml unpreserved	D	7	2.5	Y	Absent	TSS-2540(7)
L1533592-10I	Amber 1000ml unpreserved	D	7	2.5	Y	Absent	A2-SVOC-8270(7)
L1533592-10J	Amber 1000ml unpreserved	D	7	2.5	Y	Absent	DOC-5310(28)
L1533592-10K	Amber 1000ml unpreserved	D	7	2.5	Y	Absent	A2-PAH-8270SIM(7)
L1533592-10L	Amber 1000ml unpreserved	D	7	2.5	Y	Absent	A2-PAH-8270SIM(7)
L1533592-10X	Vial unpreserved split	D	N/A	2.5	Y	Absent	DOC-5310(28)
L1533592-10Y	Vial unpreserved split	D	N/A	2.5	Y	Absent	DOC-5310(28)
L1533592-11A	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-11B	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-11C	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-11D	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-11E	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-11F	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-11G	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-11H	Plastic 950ml unpreserved	B	7	4.0	Y	Absent	TSS-2540(7)
L1533592-11I	Amber 1000ml unpreserved	B	7	4.0	Y	Absent	A2-SVOC-8270(7)
L1533592-11J	Amber 1000ml unpreserved	B	7	4.0	Y	Absent	DOC-5310(28)
L1533592-11K	Amber 1000ml unpreserved	B	7	4.0	Y	Absent	A2-PAH-8270SIM(7)
L1533592-11L	Amber 1000ml unpreserved	B	7	4.0	Y	Absent	A2-PAH-8270SIM(7)
L1533592-11X	Vial unpreserved split	B	N/A	4.0	Y	Absent	DOC-5310(28)
L1533592-11Y	Vial unpreserved split	B	N/A	4.0	Y	Absent	DOC-5310(28)

*Values in parentheses indicate holding time in days

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1533592-12A	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-12B	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-12C	Vial HCl preserved	G	N/A	4.9	Y	Absent	8260(14)
L1533592-12D	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-12E	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-12F	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	TOC-5310(28)
L1533592-12G	Vial H2SO4 preserved	G	N/A	4.9	Y	Absent	-
L1533592-12H	Plastic 950ml unpreserved	A	7	4.7	Y	Absent	TSS-2540(7)
L1533592-12I	Amber 1000ml unpreserved	A	7	4.7	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1533592-12J	Amber 1000ml unpreserved	A	7	4.7	Y	Absent	DOC-5310(28)
L1533592-12K	Amber 1000ml unpreserved	A	7	4.7	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1533592-12L	Amber 1000ml unpreserved	A	7	4.7	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1533592-12X	Vial unpreserved split	A	N/A	4.7	Y	Absent	DOC-5310(28)
L1533592-12Y	Vial unpreserved split	A	N/A	4.7	Y	Absent	DOC-5310(28)

Container Comments

L1533592-01J

L1533592-02J

L1533592-03J

L1533592-04J

L1533592-05J

L1533592-05J1

L1533592-06J

L1533592-07J

L1533592-09J

L1533592-10J

L1533592-11J

*Values in parentheses indicate holding time in days

Project Name:	FORMER GLEN FALLS OU-2	**Lab Number:**	L1533592
Project Number:	E50593-01.01	**Report Date:**	01/12/16

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

Report Format: DU Report with 'J' Qualifiers

Project Name:	FORMER GLEN FALLS OU-2	**Lab Number:**	L1533592
Project Number:	E50593-01.01	**Report Date:**	01/12/16

Data Qualifiers

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	FORMER GLEN FALLS OU-2	**Lab Number:**	L1533592
Project Number:	E50593-01.01	**Report Date:**	01/12/16

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, m/p-xylene, o-xylene
EPA 624: 2-Butanone (MEK), 1,4-Dioxane, tert-Amylmethyl Ether, tert-Butyl Alcohol, m/p-xylene, o-xylene
EPA 625: Aniline, Benzoic Acid, Benzyl Alcohol, 4-Chloroaniline, 3-Methylphenol, 4-Methylphenol.
EPA 1010A: NPW: Ignitability
EPA 6010C: NPW: Strontium; SCM: Strontium
EPA 8151A: NPW: 2,4-DB, Dicamba, Dichloroprop, MCPA, MCPP; SCM: 2,4-DB, Dichloroprop, MCPA, MCPP
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene, Isopropanol; SCM: Iodomethane (methyl iodide), Methyl methacrylate (soil); 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 9010: NPW: Amenable Cyanide Distillation, Total Cyanide Distillation
EPA 9038: NPW: Sulfate
EPA 9050A: NPW: Specific Conductance
EPA 9056: NPW: Chloride, Nitrate, Sulfate
EPA 9065: NPW: Phenols
EPA 9251: NPW: Chloride
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
EPA 8270D: NPW: Biphenyl; SCM: Biphenyl
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 12/19/15

ALPHA Job #: L1533592

Client Information
Client: AnchorQEA
Address: 430 Rte 50 Suite 202
Phone: 518-886-0649
Fax:
Email: mcav-s@anchorqea.com

Project Information
Project Name: ~~Former~~ Glens Falls Ou-2
Project Location: Glens Falls, NY
Project #: E50592-0.1001
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260	TSS	300	SVOC	PAH				Sample Specific Comments
33592 - 01	SW-1A-	12/17/15	1120	W	KB	X	X	X	X	X				
-02	SW-1B		1115	W	KB	X	X	X	X	X				
-03	SW-1C		1050	W	KB	X	X	X	X	X				
-04	SW-2A		1145	W	KB	X	X	X	X	X				
-05	SW-2B		1155	W	KB	X	X	X	X	X				
-06	SW-2C		1215	W	KB	X	X	X	X	X				
-07	DUP-20151217		9999	W	KB	X	X	X	X	X				
-08	SW-2B-MS/MSD		1155	W	KB	X	X	X	X	X				
-09	Trip Blank		9999	W	KB			X						
-09	SW-3A		1410	W	KB	X	X	X	X	X				
	Container Type					A	P	V	A	A				
	Preservative					D	A	B	A	A				

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Relinquished By:	Date/Time	Received By:	Date/Time
	12/18/15		12/18/15 1830
	12/18/15 2222	R. FRENCH	12/18 2222
R. FRENCH	12/19/15 00:55		12/19/15 00:55
	12/19/15 05:00		12/19/15 0500
	12/21/15		12-21-15 1620
	12-21-15 1600		12/21/15 1600

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 12/19/15

ALPHA Job #: L1533592

Client Information
Client: AnchorQEA
Address: 4300 Rte 50, Suite 202
Phone: 518-886-0649
Fax:
Email: MGuis@anchorqea.com

Project Information
Project Name: FormerGlensFalls OU2
Project Location: Glens Falls, NY
Project #: E50592-0.001
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260 Soil	TCL VOC	TCL SVOC	TAL Metals	DAF (Dissolved)	Sample Specific Comments
33592-10	SW-3B	12/17/15	1420	W	ICB	X	X	X	X	X	
-11	SW-3C	↓	1425	W	ICB	X	X	X	X	X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	P	V	A	A			
Preservative	D	A	B	A	A			

Relinquished By:	Date/Time	Received By:	Date/Time
	12/18/15 1030		12/18/15 1030
	12/18/15 2222	R French	12/18 2222
R French	12/19/15 0055		12/19/15 0055
	12/19/15 0500		12/19/15 0500
	12/21/15		12-27-15 15:20
	12-21-15 16:40		12/21/15 1600

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA

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Mansfield, MA 02048
320 Forbes Blvd
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FAX: 508-822-3288

Service Centers
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Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 12/19/15

ALPHA Job #: L1533592

Client Information
Client: AnchorQEA
Address: 430 Rte 50 Suite 202
Phone: 518-886-0649
Fax:
Email: mcw-se@anchorqea.com

Project Information
Project Name: Former Glens Falls Ow-2
Project Location: Glens Falls, NY
Project #: E50592-0.1001
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260 Target	TCL	TCL	SVOC	PAH				Total Bottle	Sample Specific Comments
33592 - 01	SW-1A-	12/17/15	1120	W	ICB	X	X	X	X	X					
-02	SW-1B		1115	W	ICB	X	X	X	X	X					
-03	SW-1C		1050	W	ICB	X	X	X	X	X					
-04	SW-2A		1145	W	ICB	X	X	X	X	X					
-05	SW-2B		1155	W	ICB	X	X	X	X	X					
-06	SW-2C		1215	W	ICB	X	X	X	X	X					
-07	DUP-20151217		9999	W	ICB	X	X	X	X	X					
-05	SW-2B-MS/MSD		1155	W	ICB	X	X	X	X	X					
-08	TripBlankC		9999	W	ICB			X							
-09	SW-3A	↓	1410	W	KB	X	X	X	X	X					

NEW YORK CHAIN OF CUSTODY

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Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 12/19/15

ALPHA Job #: L1533592

Client Information
Client: AnchorQEA
Address: 4300 Rte 50, Suite 202
Phone: 518-886-0649
Fax:
Email: MGouse@anchorqea.com

Project Information
Project Name: Former Glens Falls OU-2
Project Location: Glens Falls, NY
Project #: E50592-0101
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC	TCL SVOC	TCL PEST	TCL PCB	TAL MET				Sample Specific Comments
35592-10	SW-3B	12/17/15	1420	W	ICB	X	X	X	X	X				
-11	SW-3C	↓	1425	W	ICB	X	X	X	X	X				

Container Type: A P V A A
Preservative: D A B A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	12/18/15 1030		12/18/15 1030
	12/18/15 2222	R. French	12/18 2222
R. French	12/19/15 0055		12/19/15 0055
	12/19/15 0500		12/19/15 0500

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 12/19/15

ALPHA Job #: L1533592

Client Information

Client: Anchor QEA
Address: 430 Rte 50
Suite 202
Phone: 518-886-0649
Fax:
Email: mcw-se@anchorqea.com

Project Information

Project Name: Former Glens Falls Ow-2
Project Location: Glens Falls, NY
Project #: E50592-0.1001
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260C	TSS	VOC	SVOC	PAH				Sample Specific Comments	Total Bottle
33592 - 01	SW-1A-	12/17/15	1120	W	ICB	X	X	X	X	X					
-02	SW-1B		1115	W	ICB	X	X	X	X	X					
-03	SW-1C		1050	W	ICB	X	X	X	X	X					
-04	SW-2A		1145	W	ICB	X	X	X	X	X					
-05	SW-2B		1155	W	ICB	X	X	X	X	X					
-06	SW-2C		1215	W	ICB	X	X	X	X	X					
-07	DUP-20151217		9999	W	ICB	X	X	X	X	X					
-05	SW-2B-MS/MSD		1155	W	ICB	X	X	X	X	X					
-08	TripBlank		9999	W	ICB			X							
-09	SW-3A		1410	W	KB	X	X	X	X	X					
					Container Type	A	P	V	A	A					
					Preservative	D	A	B	A	A					

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	12/18/15 18:30	[signature] ADC	12/18/15 18:30
[signature]	12/19/15 2222	R. FRENCH	12/18 2222
R. FRENCH	12/19/15 00:55	[signature]	12/19/15 00:55

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page: 2 of 2

Date Rec'd in Lab: 12/19/15

ALPHA Job #: L1533592

Client Information
Client: AnchorQEA
Address: 4300 Rte 50, suite 202
Phone: 518-886-0649
Fax:
Email: MGuise@anchorqea.com

Project Information
Project Name: FormerGlensFalls OU-2
Project Location: Glens Falls, NY
Project #: E50592-0001
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260/624 VOC	TSS	VOC	SVOC	DAI+				Sample Specific Comments	Total Bottle
33592-10	SW-3B	12/17/15	1420	W	ICB	X	X	X	X	X					
-11	SW-3C	↓	1425	W	ICB	X	X	X	X	X					

Container Type: A P V A A
Preservative: D A B A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	12/18/15 1030		12/18/15 1030
	12/18/15 2222	R Freneal	12/18 2222
R Freneal	12/19/15 0055		12/19/15 0055

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Alpha
Summary Forms

Organic Summary Forms

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-01	Date Collected	: 12/17/15 11:20
Client ID	: SW-1A-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 16:40
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311511	Analyst	: JT
Sample Amount	: 950 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.526	0.076	U
110-86-1	Pyridine	ND	0.526	0.172	U
100-52-7	Benzaldehyde	ND	2.10	0.125	U
62-53-3	Aniline	ND	1.05	0.134	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.526	0.098	U
108-95-2	Phenol	ND	0.526	0.054	U
95-57-8	2-Chlorophenol	ND	0.526	0.096	U
541-73-1	1,3-Dichlorobenzene	ND	0.526	0.082	U
106-46-7	1,4-Dichlorobenzene	ND	0.526	0.087	U
95-50-1	1,2-Dichlorobenzene	ND	0.526	0.072	U
100-51-6	Benzyl alcohol	ND	0.526	0.129	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.526	0.114	U
95-48-7	2-Methylphenol	ND	0.526	0.109	U
98-86-2	Acetophenone	ND	1.05	0.218	U
67-72-1	Hexachloroethane	ND	0.526	0.107	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.526	0.129	U
106-44-5	4-Methylphenol	ND	0.526	0.119	U
98-95-3	Nitrobenzene	ND	0.526	0.107	U
78-59-1	Isophorone	ND	0.526	0.133	U
88-75-5	2-Nitrophenol	ND	0.526	0.121	U
105-67-9	2,4-Dimethylphenol	ND	2.10	0.254	U
65-85-0	Benzoic acid	ND	42.1	3.17	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.526	0.090	U
120-83-2	2,4-Dichlorophenol	ND	0.526	0.105	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-01	Date Collected	: 12/17/15 11:20
Client ID	: SW-1A-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 16:40
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311511	Analyst	: JT
Sample Amount	: 950 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.526	0.101	U
106-47-8	4-Chloroaniline	ND	0.526	0.135	U
87-68-3	Hexachlorobutadiene	ND	0.526	0.090	U
105-60-2	Caprolactam	ND	2.10	0.129	U
59-50-7	4-Chloro-3-methylphenol	ND	0.526	0.108	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.526	0.084	U
77-47-4	Hexachlorocyclopentadiene	ND	0.526	0.161	U
88-06-2	2,4,6-Trichlorophenol	ND	0.526	0.160	U
95-95-4	2,4,5-Trichlorophenol	ND	0.526	0.096	U
92-52-4	Biphenyl	ND	0.526	0.117	U
91-58-7	2-Chloronaphthalene	ND	0.526	0.095	U
88-74-4	2-Nitroaniline	ND	0.526	0.145	U
131-11-3	Dimethylphthalate	ND	0.526	0.123	U
606-20-2	2,6-Dinitrotoluene	ND	0.526	0.177	U
99-09-2	3-Nitroaniline	ND	0.526	0.117	U
51-28-5	2,4-Dinitrophenol	ND	5.26	0.766	U
132-64-9	Dibenzofuran	ND	0.526	0.096	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.526	0.150	U
121-14-2	2,4-Dinitrotoluene	ND	0.526	0.172	U
100-02-7	4-Nitrophenol	ND	2.63	0.621	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.526	0.083	U
84-66-2	Diethylphthalate	ND	0.526	0.189	U
100-01-6	4-Nitroaniline	ND	0.526	0.118	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.10	0.537	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-01	Date Collected	: 12/17/15 11:20
Client ID	: SW-1A-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 16:40
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311511	Analyst	: JT
Sample Amount	: 950 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.526	0.135	U
86-30-6	n-Nitrosodiphenylamine	ND	0.526	0.076	U
101-55-3	4-Bromophenyl-phenylether	ND	0.526	0.105	U
118-74-1	Hexachlorobenzene	ND	0.526	0.128	U
1912-24-9	Atrazine	ND	0.526	0.168	U
87-86-5	Pentachlorophenol	ND	2.10	0.453	U
82-68-8	Pentachloronitrobenzene	ND	0.526	0.178	U
86-74-8	Carbazole	ND	0.526	0.150	U
84-74-2	Di-n-butylphthalate	ND	0.526	0.105	U
92-87-5	Benzidine	ND	105	0.488	U
85-68-7	Butylbenzylphthalate	0.090	0.526	0.089	J
91-94-1	3,3'-Dichlorobenzidine	ND	0.526	0.203	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.526	0.085	U
117-84-0	Di-n-octylphthalate	ND	1.05	0.083	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-02	Date Collected	: 12/17/15 11:15
Client ID	: SW-1B-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 17:09
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311512	Analyst	: JT
Sample Amount	: 990 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.505	0.073	U
110-86-1	Pyridine	ND	0.505	0.165	U
100-52-7	Benzaldehyde	ND	2.02	0.120	U
62-53-3	Aniline	ND	1.01	0.128	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.505	0.094	U
108-95-2	Phenol	ND	0.505	0.052	U
95-57-8	2-Chlorophenol	ND	0.505	0.092	U
541-73-1	1,3-Dichlorobenzene	ND	0.505	0.079	U
106-46-7	1,4-Dichlorobenzene	ND	0.505	0.084	U
95-50-1	1,2-Dichlorobenzene	ND	0.505	0.069	U
100-51-6	Benzyl alcohol	ND	0.505	0.124	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.505	0.109	U
95-48-7	2-Methylphenol	ND	0.505	0.105	U
98-86-2	Acetophenone	ND	1.01	0.209	U
67-72-1	Hexachloroethane	ND	0.505	0.103	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.505	0.124	U
106-44-5	4-Methylphenol	ND	0.505	0.114	U
98-95-3	Nitrobenzene	ND	0.505	0.103	U
78-59-1	Isophorone	ND	0.505	0.127	U
88-75-5	2-Nitrophenol	ND	0.505	0.116	U
105-67-9	2,4-Dimethylphenol	ND	2.02	0.243	U
65-85-0	Benzoic acid	ND	40.4	3.04	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.505	0.086	U
120-83-2	2,4-Dichlorophenol	ND	0.505	0.101	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-02	Date Collected	: 12/17/15 11:15
Client ID	: SW-1B-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 17:09
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311512	Analyst	: JT
Sample Amount	: 990 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.505	0.097	U
106-47-8	4-Chloroaniline	ND	0.505	0.129	U
87-68-3	Hexachlorobutadiene	ND	0.505	0.086	U
105-60-2	Caprolactam	ND	2.02	0.124	U
59-50-7	4-Chloro-3-methylphenol	ND	0.505	0.104	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.505	0.081	U
77-47-4	Hexachlorocyclopentadiene	ND	0.505	0.154	U
88-06-2	2,4,6-Trichlorophenol	ND	0.505	0.154	U
95-95-4	2,4,5-Trichlorophenol	ND	0.505	0.092	U
92-52-4	Biphenyl	ND	0.505	0.112	U
91-58-7	2-Chloronaphthalene	ND	0.505	0.091	U
88-74-4	2-Nitroaniline	ND	0.505	0.139	U
131-11-3	Dimethylphthalate	ND	0.505	0.118	U
606-20-2	2,6-Dinitrotoluene	ND	0.505	0.170	U
99-09-2	3-Nitroaniline	ND	0.505	0.112	U
51-28-5	2,4-Dinitrophenol	ND	5.05	0.735	U
132-64-9	Dibenzofuran	ND	0.505	0.092	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.505	0.144	U
121-14-2	2,4-Dinitrotoluene	ND	0.505	0.165	U
100-02-7	4-Nitrophenol	ND	2.52	0.596	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.505	0.080	U
84-66-2	Diethylphthalate	ND	0.505	0.182	U
100-01-6	4-Nitroaniline	ND	0.505	0.113	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.02	0.515	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-02	Date Collected	: 12/17/15 11:15
Client ID	: SW-1B-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 17:09
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311512	Analyst	: JT
Sample Amount	: 990 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.505	0.129	U
86-30-6	n-Nitrosodiphenylamine	ND	0.505	0.073	U
101-55-3	4-Bromophenyl-phenylether	ND	0.505	0.101	U
118-74-1	Hexachlorobenzene	ND	0.505	0.123	U
1912-24-9	Atrazine	ND	0.505	0.162	U
87-86-5	Pentachlorophenol	ND	2.02	0.434	U
82-68-8	Pentachloronitrobenzene	ND	0.505	0.171	U
86-74-8	Carbazole	ND	0.505	0.144	U
84-74-2	Di-n-butylphthalate	ND	0.505	0.101	U
92-87-5	Benzidine	ND	101	0.469	U
85-68-7	Butylbenzylphthalate	ND	0.505	0.086	U
91-94-1	3,3'-Dichlorobenzidine	ND	0.505	0.195	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.505	0.082	U
117-84-0	Di-n-octylphthalate	ND	1.01	0.079	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-03	Date Collected	: 12/17/15 10:50
Client ID	: SW-1C-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 17:38
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311513	Analyst	: JT
Sample Amount	: 940 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.532	0.077	U
110-86-1	Pyridine	ND	0.532	0.173	U
100-52-7	Benzaldehyde	ND	2.13	0.126	U
62-53-3	Aniline	ND	1.06	0.135	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.532	0.099	U
108-95-2	Phenol	ND	0.532	0.055	U
95-57-8	2-Chlorophenol	ND	0.532	0.097	U
541-73-1	1,3-Dichlorobenzene	ND	0.532	0.083	U
106-46-7	1,4-Dichlorobenzene	ND	0.532	0.088	U
95-50-1	1,2-Dichlorobenzene	ND	0.532	0.072	U
100-51-6	Benzyl alcohol	ND	0.532	0.131	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.532	0.115	U
95-48-7	2-Methylphenol	ND	0.532	0.111	U
98-86-2	Acetophenone	ND	1.06	0.220	U
67-72-1	Hexachloroethane	ND	0.532	0.108	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.532	0.131	U
106-44-5	4-Methylphenol	ND	0.532	0.120	U
98-95-3	Nitrobenzene	ND	0.532	0.108	U
78-59-1	Isophorone	ND	0.532	0.134	U
88-75-5	2-Nitrophenol	ND	0.532	0.122	U
105-67-9	2,4-Dimethylphenol	ND	2.13	0.256	U
65-85-0	Benzoic acid	ND	42.6	3.20	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.532	0.091	U
120-83-2	2,4-Dichlorophenol	ND	0.532	0.106	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-03	Date Collected	: 12/17/15 10:50
Client ID	: SW-1C-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 17:38
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311513	Analyst	: JT
Sample Amount	: 940 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.532	0.102	U
106-47-8	4-Chloroaniline	ND	0.532	0.136	U
87-68-3	Hexachlorobutadiene	ND	0.532	0.091	U
105-60-2	Caprolactam	ND	2.13	0.131	U
59-50-7	4-Chloro-3-methylphenol	ND	0.532	0.110	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.532	0.085	U
77-47-4	Hexachlorocyclopentadiene	ND	0.532	0.163	U
88-06-2	2,4,6-Trichlorophenol	ND	0.532	0.162	U
95-95-4	2,4,5-Trichlorophenol	ND	0.532	0.097	U
92-52-4	Biphenyl	ND	0.532	0.118	U
91-58-7	2-Chloronaphthalene	ND	0.532	0.096	U
88-74-4	2-Nitroaniline	ND	0.532	0.147	U
131-11-3	Dimethylphthalate	ND	0.532	0.124	U
606-20-2	2,6-Dinitrotoluene	ND	0.532	0.179	U
99-09-2	3-Nitroaniline	ND	0.532	0.118	U
51-28-5	2,4-Dinitrophenol	ND	5.32	0.774	U
132-64-9	Dibenzofuran	ND	0.532	0.097	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.532	0.152	U
121-14-2	2,4-Dinitrotoluene	ND	0.532	0.173	U
100-02-7	4-Nitrophenol	ND	2.66	0.628	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.532	0.084	U
84-66-2	Diethylphthalate	ND	0.532	0.191	U
100-01-6	4-Nitroaniline	ND	0.532	0.119	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.13	0.542	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-03	Date Collected	: 12/17/15 10:50
Client ID	: SW-1C-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 17:38
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311513	Analyst	: JT
Sample Amount	: 940 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.532	0.136	U
86-30-6	n-Nitrosodiphenylamine	ND	0.532	0.077	U
101-55-3	4-Bromophenyl-phenylether	ND	0.532	0.106	U
118-74-1	Hexachlorobenzene	ND	0.532	0.130	U
1912-24-9	Atrazine	ND	0.532	0.170	U
87-86-5	Pentachlorophenol	ND	2.13	0.457	U
82-68-8	Pentachloronitrobenzene	ND	0.532	0.180	U
86-74-8	Carbazole	ND	0.532	0.152	U
84-74-2	Di-n-butylphthalate	ND	0.532	0.106	U
92-87-5	Benzidine	ND	106	0.494	U
85-68-7	Butylbenzylphthalate	ND	0.532	0.090	U
91-94-1	3,3'-Dichlorobenzidine	ND	0.532	0.205	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.532	0.086	U
117-84-0	Di-n-octylphthalate	ND	1.06	0.084	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-04	Date Collected	: 12/17/15 11:45
Client ID	: SW-2A-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 18:07
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311514	Analyst	: JT
Sample Amount	: 990 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.505	0.073	U
110-86-1	Pyridine	ND	0.505	0.165	U
100-52-7	Benzaldehyde	ND	2.02	0.120	U
62-53-3	Aniline	ND	1.01	0.128	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.505	0.094	U
108-95-2	Phenol	ND	0.505	0.052	U
95-57-8	2-Chlorophenol	ND	0.505	0.092	U
541-73-1	1,3-Dichlorobenzene	ND	0.505	0.079	U
106-46-7	1,4-Dichlorobenzene	ND	0.505	0.084	U
95-50-1	1,2-Dichlorobenzene	ND	0.505	0.069	U
100-51-6	Benzyl alcohol	ND	0.505	0.124	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.505	0.109	U
95-48-7	2-Methylphenol	ND	0.505	0.105	U
98-86-2	Acetophenone	ND	1.01	0.209	U
67-72-1	Hexachloroethane	ND	0.505	0.103	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.505	0.124	U
106-44-5	4-Methylphenol	ND	0.505	0.114	U
98-95-3	Nitrobenzene	ND	0.505	0.103	U
78-59-1	Isophorone	ND	0.505	0.127	U
88-75-5	2-Nitrophenol	ND	0.505	0.116	U
105-67-9	2,4-Dimethylphenol	ND	2.02	0.243	U
65-85-0	Benzoic acid	ND	40.4	3.04	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.505	0.086	U
120-83-2	2,4-Dichlorophenol	ND	0.505	0.101	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-04	Date Collected	: 12/17/15 11:45
Client ID	: SW-2A-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 18:07
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311514	Analyst	: JT
Sample Amount	: 990 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.505	0.097	U
106-47-8	4-Chloroaniline	ND	0.505	0.129	U
87-68-3	Hexachlorobutadiene	ND	0.505	0.086	U
105-60-2	Caprolactam	ND	2.02	0.124	U
59-50-7	4-Chloro-3-methylphenol	ND	0.505	0.104	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.505	0.081	U
77-47-4	Hexachlorocyclopentadiene	ND	0.505	0.154	U
88-06-2	2,4,6-Trichlorophenol	ND	0.505	0.154	U
95-95-4	2,4,5-Trichlorophenol	ND	0.505	0.092	U
92-52-4	Biphenyl	ND	0.505	0.112	U
91-58-7	2-Chloronaphthalene	ND	0.505	0.091	U
88-74-4	2-Nitroaniline	ND	0.505	0.139	U
131-11-3	Dimethylphthalate	ND	0.505	0.118	U
606-20-2	2,6-Dinitrotoluene	ND	0.505	0.170	U
99-09-2	3-Nitroaniline	ND	0.505	0.112	U
51-28-5	2,4-Dinitrophenol	ND	5.05	0.735	U
132-64-9	Dibenzofuran	ND	0.505	0.092	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.505	0.144	U
121-14-2	2,4-Dinitrotoluene	ND	0.505	0.165	U
100-02-7	4-Nitrophenol	ND	2.52	0.596	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.505	0.080	U
84-66-2	Diethylphthalate	ND	0.505	0.182	U
100-01-6	4-Nitroaniline	ND	0.505	0.113	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.02	0.515	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-04	Date Collected	: 12/17/15 11:45
Client ID	: SW-2A-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 18:07
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311514	Analyst	: JT
Sample Amount	: 990 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.505	0.129	U
86-30-6	n-Nitrosodiphenylamine	ND	0.505	0.073	U
101-55-3	4-Bromophenyl-phenylether	ND	0.505	0.101	U
118-74-1	Hexachlorobenzene	ND	0.505	0.123	U
1912-24-9	Atrazine	ND	0.505	0.162	U
87-86-5	Pentachlorophenol	ND	2.02	0.434	U
82-68-8	Pentachloronitrobenzene	ND	0.505	0.171	U
86-74-8	Carbazole	ND	0.505	0.144	U
84-74-2	Di-n-butylphthalate	ND	0.505	0.101	U
92-87-5	Benzidine	ND	101	0.469	U
85-68-7	Butylbenzylphthalate	ND	0.505	0.086	U
91-94-1	3,3'-Dichlorobenzidine	ND	0.505	0.195	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.505	0.082	U
117-84-0	Di-n-octylphthalate	ND	1.01	0.079	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-05	Date Collected	: 12/17/15 11:55
Client ID	: SW-2B-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 18:36
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311515	Analyst	: JT
Sample Amount	: 990 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.505	0.073	U
110-86-1	Pyridine	ND	0.505	0.165	U
100-52-7	Benzaldehyde	ND	2.02	0.120	U
62-53-3	Aniline	ND	1.01	0.128	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.505	0.094	U
108-95-2	Phenol	ND	0.505	0.052	U
95-57-8	2-Chlorophenol	ND	0.505	0.092	U
541-73-1	1,3-Dichlorobenzene	ND	0.505	0.079	U
106-46-7	1,4-Dichlorobenzene	ND	0.505	0.084	U
95-50-1	1,2-Dichlorobenzene	ND	0.505	0.069	U
100-51-6	Benzyl alcohol	ND	0.505	0.124	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.505	0.109	U
95-48-7	2-Methylphenol	ND	0.505	0.105	U
98-86-2	Acetophenone	ND	1.01	0.209	U
67-72-1	Hexachloroethane	ND	0.505	0.103	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.505	0.124	U
106-44-5	4-Methylphenol	ND	0.505	0.114	U
98-95-3	Nitrobenzene	ND	0.505	0.103	U
78-59-1	Isophorone	ND	0.505	0.127	U
88-75-5	2-Nitrophenol	ND	0.505	0.116	U
105-67-9	2,4-Dimethylphenol	ND	2.02	0.243	U
65-85-0	Benzoic acid	ND	40.4	3.04	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.505	0.086	U
120-83-2	2,4-Dichlorophenol	ND	0.505	0.101	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-05	Date Collected	: 12/17/15 11:55
Client ID	: SW-2B-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 18:36
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311515	Analyst	: JT
Sample Amount	: 990 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.505	0.097	U
106-47-8	4-Chloroaniline	ND	0.505	0.129	U
87-68-3	Hexachlorobutadiene	ND	0.505	0.086	U
105-60-2	Caprolactam	ND	2.02	0.124	U
59-50-7	4-Chloro-3-methylphenol	ND	0.505	0.104	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.505	0.081	U
77-47-4	Hexachlorocyclopentadiene	ND	0.505	0.154	U
88-06-2	2,4,6-Trichlorophenol	ND	0.505	0.154	U
95-95-4	2,4,5-Trichlorophenol	ND	0.505	0.092	U
92-52-4	Biphenyl	ND	0.505	0.112	U
91-58-7	2-Chloronaphthalene	ND	0.505	0.091	U
88-74-4	2-Nitroaniline	ND	0.505	0.139	U
131-11-3	Dimethylphthalate	ND	0.505	0.118	U
606-20-2	2,6-Dinitrotoluene	ND	0.505	0.170	U
99-09-2	3-Nitroaniline	ND	0.505	0.112	U
51-28-5	2,4-Dinitrophenol	ND	5.05	0.735	U
132-64-9	Dibenzofuran	ND	0.505	0.092	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.505	0.144	U
121-14-2	2,4-Dinitrotoluene	ND	0.505	0.165	U
100-02-7	4-Nitrophenol	ND	2.52	0.596	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.505	0.080	U
84-66-2	Diethylphthalate	ND	0.505	0.182	U
100-01-6	4-Nitroaniline	ND	0.505	0.113	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.02	0.515	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-05	Date Collected	: 12/17/15 11:55
Client ID	: SW-2B-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 18:36
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311515	Analyst	: JT
Sample Amount	: 990 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.505	0.129	U
86-30-6	n-Nitrosodiphenylamine	ND	0.505	0.073	U
101-55-3	4-Bromophenyl-phenylether	ND	0.505	0.101	U
118-74-1	Hexachlorobenzene	ND	0.505	0.123	U
1912-24-9	Atrazine	ND	0.505	0.162	U
87-86-5	Pentachlorophenol	ND	2.02	0.434	U
82-68-8	Pentachloronitrobenzene	ND	0.505	0.171	U
86-74-8	Carbazole	ND	0.505	0.144	U
84-74-2	Di-n-butylphthalate	ND	0.505	0.101	U
92-87-5	Benzidine	ND	101	0.469	U
85-68-7	Butylbenzylphthalate	ND	0.505	0.086	U
91-94-1	3,3'-Dichlorobenzidine	ND	0.505	0.195	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.505	0.082	U
117-84-0	Di-n-octylphthalate	ND	1.01	0.079	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-06	Date Collected	: 12/17/15 12:15
Client ID	: SW-2C-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 20:03
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311518	Analyst	: JT
Sample Amount	: 930 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.538	0.077	U
110-86-1	Pyridine	ND	0.538	0.175	U
100-52-7	Benzaldehyde	ND	2.15	0.128	U
62-53-3	Aniline	ND	1.08	0.136	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.538	0.100	U
108-95-2	Phenol	ND	0.538	0.055	U
95-57-8	2-Chlorophenol	ND	0.538	0.098	U
541-73-1	1,3-Dichlorobenzene	ND	0.538	0.084	U
106-46-7	1,4-Dichlorobenzene	ND	0.538	0.089	U
95-50-1	1,2-Dichlorobenzene	ND	0.538	0.073	U
100-51-6	Benzyl alcohol	ND	0.538	0.132	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.538	0.116	U
95-48-7	2-Methylphenol	ND	0.538	0.112	U
98-86-2	Acetophenone	ND	1.08	0.222	U
67-72-1	Hexachloroethane	ND	0.538	0.110	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.538	0.132	U
106-44-5	4-Methylphenol	ND	0.538	0.122	U
98-95-3	Nitrobenzene	ND	0.538	0.110	U
78-59-1	Isophorone	ND	0.538	0.135	U
88-75-5	2-Nitrophenol	ND	0.538	0.124	U
105-67-9	2,4-Dimethylphenol	ND	2.15	0.259	U
65-85-0	Benzoic acid	ND	43.0	3.24	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.538	0.092	U
120-83-2	2,4-Dichlorophenol	ND	0.538	0.107	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-06	Date Collected	: 12/17/15 12:15
Client ID	: SW-2C-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 20:03
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311518	Analyst	: JT
Sample Amount	: 930 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.538	0.103	U
106-47-8	4-Chloroaniline	ND	0.538	0.138	U
87-68-3	Hexachlorobutadiene	ND	0.538	0.092	U
105-60-2	Caprolactam	ND	2.15	0.132	U
59-50-7	4-Chloro-3-methylphenol	ND	0.538	0.111	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.538	0.086	U
77-47-4	Hexachlorocyclopentadiene	ND	0.538	0.164	U
88-06-2	2,4,6-Trichlorophenol	ND	0.538	0.163	U
95-95-4	2,4,5-Trichlorophenol	ND	0.538	0.098	U
92-52-4	Biphenyl	ND	0.538	0.119	U
91-58-7	2-Chloronaphthalene	ND	0.538	0.097	U
88-74-4	2-Nitroaniline	ND	0.538	0.148	U
131-11-3	Dimethylphthalate	ND	0.538	0.126	U
606-20-2	2,6-Dinitrotoluene	ND	0.538	0.181	U
99-09-2	3-Nitroaniline	ND	0.538	0.119	U
51-28-5	2,4-Dinitrophenol	ND	5.38	0.783	U
132-64-9	Dibenzofuran	ND	0.538	0.098	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.538	0.154	U
121-14-2	2,4-Dinitrotoluene	ND	0.538	0.175	U
100-02-7	4-Nitrophenol	ND	2.69	0.634	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.538	0.085	U
84-66-2	Diethylphthalate	ND	0.538	0.194	U
100-01-6	4-Nitroaniline	ND	0.538	0.120	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.15	0.548	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-06	Date Collected	: 12/17/15 12:15
Client ID	: SW-2C-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 20:03
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311518	Analyst	: JT
Sample Amount	: 930 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.538	0.138	U
86-30-6	n-Nitrosodiphenylamine	ND	0.538	0.077	U
101-55-3	4-Bromophenyl-phenylether	ND	0.538	0.107	U
118-74-1	Hexachlorobenzene	ND	0.538	0.131	U
1912-24-9	Atrazine	ND	0.538	0.172	U
87-86-5	Pentachlorophenol	ND	2.15	0.462	U
82-68-8	Pentachloronitrobenzene	ND	0.538	0.182	U
86-74-8	Carbazole	ND	0.538	0.154	U
84-74-2	Di-n-butylphthalate	ND	0.538	0.107	U
92-87-5	Benzidine	ND	108	0.499	U
85-68-7	Butylbenzylphthalate	ND	0.538	0.091	U
91-94-1	3,3'-Dichlorobenzidine	ND	0.538	0.208	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.538	0.087	U
117-84-0	Di-n-octylphthalate	ND	1.08	0.085	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-07	Date Collected	: 12/17/15 00:00
Client ID	: DUP-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 20:32
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311519	Analyst	: JT
Sample Amount	: 900 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.556	0.080	U
110-86-1	Pyridine	ND	0.556	0.181	U
100-52-7	Benzaldehyde	ND	2.22	0.132	U
62-53-3	Aniline	ND	1.11	0.141	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.556	0.103	U
108-95-2	Phenol	ND	0.556	0.057	U
95-57-8	2-Chlorophenol	ND	0.556	0.101	U
541-73-1	1,3-Dichlorobenzene	ND	0.556	0.087	U
106-46-7	1,4-Dichlorobenzene	ND	0.556	0.092	U
95-50-1	1,2-Dichlorobenzene	ND	0.556	0.076	U
100-51-6	Benzyl alcohol	ND	0.556	0.137	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.556	0.120	U
95-48-7	2-Methylphenol	ND	0.556	0.116	U
98-86-2	Acetophenone	ND	1.11	0.230	U
67-72-1	Hexachloroethane	ND	0.556	0.113	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.556	0.137	U
106-44-5	4-Methylphenol	ND	0.556	0.126	U
98-95-3	Nitrobenzene	ND	0.556	0.113	U
78-59-1	Isophorone	ND	0.556	0.140	U
88-75-5	2-Nitrophenol	ND	0.556	0.128	U
105-67-9	2,4-Dimethylphenol	ND	2.22	0.268	U
65-85-0	Benzoic acid	ND	44.4	3.34	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.556	0.095	U
120-83-2	2,4-Dichlorophenol	ND	0.556	0.111	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-07	Date Collected	: 12/17/15 00:00
Client ID	: DUP-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 20:32
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311519	Analyst	: JT
Sample Amount	: 900 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.556	0.107	U
106-47-8	4-Chloroaniline	ND	0.556	0.142	U
87-68-3	Hexachlorobutadiene	ND	0.556	0.095	U
105-60-2	Caprolactam	ND	2.22	0.137	U
59-50-7	4-Chloro-3-methylphenol	ND	0.556	0.114	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.556	0.089	U
77-47-4	Hexachlorocyclopentadiene	ND	0.556	0.170	U
88-06-2	2,4,6-Trichlorophenol	ND	0.556	0.169	U
95-95-4	2,4,5-Trichlorophenol	ND	0.556	0.101	U
92-52-4	Biphenyl	ND	0.556	0.123	U
91-58-7	2-Chloronaphthalene	ND	0.556	0.100	U
88-74-4	2-Nitroaniline	ND	0.556	0.153	U
131-11-3	Dimethylphthalate	ND	0.556	0.130	U
606-20-2	2,6-Dinitrotoluene	ND	0.556	0.187	U
99-09-2	3-Nitroaniline	ND	0.556	0.123	U
51-28-5	2,4-Dinitrophenol	ND	5.56	0.809	U
132-64-9	Dibenzofuran	ND	0.556	0.101	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.556	0.159	U
121-14-2	2,4-Dinitrotoluene	ND	0.556	0.181	U
100-02-7	4-Nitrophenol	ND	2.78	0.656	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.556	0.088	U
84-66-2	Diethylphthalate	ND	0.556	0.200	U
100-01-6	4-Nitroaniline	ND	0.556	0.124	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.22	0.567	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-07	Date Collected	: 12/17/15 00:00
Client ID	: DUP-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 20:32
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311519	Analyst	: JT
Sample Amount	: 900 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.556	0.142	U
86-30-6	n-Nitrosodiphenylamine	ND	0.556	0.080	U
101-55-3	4-Bromophenyl-phenylether	ND	0.556	0.111	U
118-74-1	Hexachlorobenzene	ND	0.556	0.136	U
1912-24-9	Atrazine	ND	0.556	0.178	U
87-86-5	Pentachlorophenol	ND	2.22	0.478	U
82-68-8	Pentachloronitrobenzene	ND	0.556	0.188	U
86-74-8	Carbazole	ND	0.556	0.159	U
84-74-2	Di-n-butylphthalate	ND	0.556	0.111	U
92-87-5	Benzidine	ND	111	0.516	U
85-68-7	Butylbenzylphthalate	ND	0.556	0.094	U
91-94-1	3,3'-Dichlorobenzidine	ND	0.556	0.214	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.556	0.090	U
117-84-0	Di-n-octylphthalate	ND	1.11	0.087	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-09	Date Collected	: 12/17/15 14:10
Client ID	: SW-3A-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 21:01
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311520	Analyst	: JT
Sample Amount	: 940 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.532	0.077	U
110-86-1	Pyridine	ND	0.532	0.173	U
100-52-7	Benzaldehyde	ND	2.13	0.126	U
62-53-3	Aniline	ND	1.06	0.135	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.532	0.099	U
108-95-2	Phenol	ND	0.532	0.055	U
95-57-8	2-Chlorophenol	ND	0.532	0.097	U
541-73-1	1,3-Dichlorobenzene	ND	0.532	0.083	U
106-46-7	1,4-Dichlorobenzene	ND	0.532	0.088	U
95-50-1	1,2-Dichlorobenzene	ND	0.532	0.072	U
100-51-6	Benzyl alcohol	ND	0.532	0.131	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.532	0.115	U
95-48-7	2-Methylphenol	ND	0.532	0.111	U
98-86-2	Acetophenone	ND	1.06	0.220	U
67-72-1	Hexachloroethane	ND	0.532	0.108	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.532	0.131	U
106-44-5	4-Methylphenol	ND	0.532	0.120	U
98-95-3	Nitrobenzene	ND	0.532	0.108	U
78-59-1	Isophorone	ND	0.532	0.134	U
88-75-5	2-Nitrophenol	ND	0.532	0.122	U
105-67-9	2,4-Dimethylphenol	ND	2.13	0.256	U
65-85-0	Benzoic acid	ND	42.6	3.20	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.532	0.091	U
120-83-2	2,4-Dichlorophenol	ND	0.532	0.106	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-09	Date Collected	: 12/17/15 14:10
Client ID	: SW-3A-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 21:01
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311520	Analyst	: JT
Sample Amount	: 940 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.532	0.102	U
106-47-8	4-Chloroaniline	ND	0.532	0.136	U
87-68-3	Hexachlorobutadiene	ND	0.532	0.091	U
105-60-2	Caprolactam	ND	2.13	0.131	U
59-50-7	4-Chloro-3-methylphenol	ND	0.532	0.110	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.532	0.085	U
77-47-4	Hexachlorocyclopentadiene	ND	0.532	0.163	U
88-06-2	2,4,6-Trichlorophenol	ND	0.532	0.162	U
95-95-4	2,4,5-Trichlorophenol	ND	0.532	0.097	U
92-52-4	Biphenyl	ND	0.532	0.118	U
91-58-7	2-Chloronaphthalene	ND	0.532	0.096	U
88-74-4	2-Nitroaniline	ND	0.532	0.147	U
131-11-3	Dimethylphthalate	ND	0.532	0.124	U
606-20-2	2,6-Dinitrotoluene	ND	0.532	0.179	U
99-09-2	3-Nitroaniline	ND	0.532	0.118	U
51-28-5	2,4-Dinitrophenol	ND	5.32	0.774	U
132-64-9	Dibenzofuran	ND	0.532	0.097	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.532	0.152	U
121-14-2	2,4-Dinitrotoluene	ND	0.532	0.173	U
100-02-7	4-Nitrophenol	ND	2.66	0.628	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.532	0.084	U
84-66-2	Diethylphthalate	ND	0.532	0.191	U
100-01-6	4-Nitroaniline	ND	0.532	0.119	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.13	0.542	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-09	Date Collected	: 12/17/15 14:10
Client ID	: SW-3A-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 21:01
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311520	Analyst	: JT
Sample Amount	: 940 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.532	0.136	U
86-30-6	n-Nitrosodiphenylamine	ND	0.532	0.077	U
101-55-3	4-Bromophenyl-phenylether	ND	0.532	0.106	U
118-74-1	Hexachlorobenzene	ND	0.532	0.130	U
1912-24-9	Atrazine	ND	0.532	0.170	U
87-86-5	Pentachlorophenol	ND	2.13	0.457	U
82-68-8	Pentachloronitrobenzene	ND	0.532	0.180	U
86-74-8	Carbazole	ND	0.532	0.152	U
84-74-2	Di-n-butylphthalate	ND	0.532	0.106	U
92-87-5	Benzidine	ND	106	0.494	U
85-68-7	Butylbenzylphthalate	ND	0.532	0.090	U
91-94-1	3,3'-Dichlorobenzidine	ND	0.532	0.205	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.532	0.086	U
117-84-0	Di-n-octylphthalate	ND	1.06	0.084	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-10	Date Collected	: 12/17/15 14:20
Client ID	: SW-3B-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 21:30
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311521	Analyst	: JT
Sample Amount	: 950 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.526	0.076	U
110-86-1	Pyridine	ND	0.526	0.172	U
100-52-7	Benzaldehyde	ND	2.10	0.125	U
62-53-3	Aniline	ND	1.05	0.134	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.526	0.098	U
108-95-2	Phenol	ND	0.526	0.054	U
95-57-8	2-Chlorophenol	ND	0.526	0.096	U
541-73-1	1,3-Dichlorobenzene	ND	0.526	0.082	U
106-46-7	1,4-Dichlorobenzene	ND	0.526	0.087	U
95-50-1	1,2-Dichlorobenzene	ND	0.526	0.072	U
100-51-6	Benzyl alcohol	ND	0.526	0.129	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.526	0.114	U
95-48-7	2-Methylphenol	ND	0.526	0.109	U
98-86-2	Acetophenone	ND	1.05	0.218	U
67-72-1	Hexachloroethane	ND	0.526	0.107	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.526	0.129	U
106-44-5	4-Methylphenol	ND	0.526	0.119	U
98-95-3	Nitrobenzene	ND	0.526	0.107	U
78-59-1	Isophorone	ND	0.526	0.133	U
88-75-5	2-Nitrophenol	ND	0.526	0.121	U
105-67-9	2,4-Dimethylphenol	ND	2.10	0.254	U
65-85-0	Benzoic acid	ND	42.1	3.17	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.526	0.090	U
120-83-2	2,4-Dichlorophenol	ND	0.526	0.105	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-10	Date Collected	: 12/17/15 14:20
Client ID	: SW-3B-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 21:30
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311521	Analyst	: JT
Sample Amount	: 950 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.526	0.101	U
106-47-8	4-Chloroaniline	ND	0.526	0.135	U
87-68-3	Hexachlorobutadiene	ND	0.526	0.090	U
105-60-2	Caprolactam	ND	2.10	0.129	U
59-50-7	4-Chloro-3-methylphenol	ND	0.526	0.108	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.526	0.084	U
77-47-4	Hexachlorocyclopentadiene	ND	0.526	0.161	U
88-06-2	2,4,6-Trichlorophenol	ND	0.526	0.160	U
95-95-4	2,4,5-Trichlorophenol	ND	0.526	0.096	U
92-52-4	Biphenyl	ND	0.526	0.117	U
91-58-7	2-Chloronaphthalene	ND	0.526	0.095	U
88-74-4	2-Nitroaniline	ND	0.526	0.145	U
131-11-3	Dimethylphthalate	ND	0.526	0.123	U
606-20-2	2,6-Dinitrotoluene	ND	0.526	0.177	U
99-09-2	3-Nitroaniline	ND	0.526	0.117	U
51-28-5	2,4-Dinitrophenol	ND	5.26	0.766	U
132-64-9	Dibenzofuran	ND	0.526	0.096	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.526	0.150	U
121-14-2	2,4-Dinitrotoluene	ND	0.526	0.172	U
100-02-7	4-Nitrophenol	ND	2.63	0.621	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.526	0.083	U
84-66-2	Diethylphthalate	ND	0.526	0.189	U
100-01-6	4-Nitroaniline	ND	0.526	0.118	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.10	0.537	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-10	Date Collected	: 12/17/15 14:20
Client ID	: SW-3B-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 21:30
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311521	Analyst	: JT
Sample Amount	: 950 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.526	0.135	U
86-30-6	n-Nitrosodiphenylamine	ND	0.526	0.076	U
101-55-3	4-Bromophenyl-phenylether	ND	0.526	0.105	U
118-74-1	Hexachlorobenzene	ND	0.526	0.128	U
1912-24-9	Atrazine	ND	0.526	0.168	U
87-86-5	Pentachlorophenol	ND	2.10	0.453	U
82-68-8	Pentachloronitrobenzene	ND	0.526	0.178	U
86-74-8	Carbazole	ND	0.526	0.150	U
84-74-2	Di-n-butylphthalate	ND	0.526	0.105	U
92-87-5	Benzidine	ND	105	0.488	U
85-68-7	Butylbenzylphthalate	0.093	0.526	0.089	J
91-94-1	3,3'-Dichlorobenzidine	ND	0.526	0.203	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.526	0.085	U
117-84-0	Di-n-octylphthalate	ND	1.05	0.083	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-11	Date Collected	: 12/17/15 14:25
Client ID	: SW-3C-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 21:59
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311522	Analyst	: JT
Sample Amount	: 920 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.543	0.078	U
110-86-1	Pyridine	ND	0.543	0.177	U
100-52-7	Benzaldehyde	ND	2.17	0.129	U
62-53-3	Aniline	ND	1.09	0.138	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.543	0.101	U
108-95-2	Phenol	ND	0.543	0.056	U
95-57-8	2-Chlorophenol	ND	0.543	0.099	U
541-73-1	1,3-Dichlorobenzene	ND	0.543	0.085	U
106-46-7	1,4-Dichlorobenzene	ND	0.543	0.090	U
95-50-1	1,2-Dichlorobenzene	ND	0.543	0.074	U
100-51-6	Benzyl alcohol	ND	0.543	0.134	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.543	0.117	U
95-48-7	2-Methylphenol	ND	0.543	0.113	U
98-86-2	Acetophenone	ND	1.09	0.225	U
67-72-1	Hexachloroethane	ND	0.543	0.111	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.543	0.134	U
106-44-5	4-Methylphenol	ND	0.543	0.123	U
98-95-3	Nitrobenzene	ND	0.543	0.111	U
78-59-1	Isophorone	ND	0.543	0.137	U
88-75-5	2-Nitrophenol	ND	0.543	0.125	U
105-67-9	2,4-Dimethylphenol	ND	2.17	0.262	U
65-85-0	Benzoic acid	ND	43.5	3.27	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.543	0.093	U
120-83-2	2,4-Dichlorophenol	ND	0.543	0.108	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-11	Date Collected	: 12/17/15 14:25
Client ID	: SW-3C-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 21:59
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311522	Analyst	: JT
Sample Amount	: 920 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.543	0.104	U
106-47-8	4-Chloroaniline	ND	0.543	0.139	U
87-68-3	Hexachlorobutadiene	ND	0.543	0.093	U
105-60-2	Caprolactam	ND	2.17	0.134	U
59-50-7	4-Chloro-3-methylphenol	ND	0.543	0.112	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.543	0.087	U
77-47-4	Hexachlorocyclopentadiene	ND	0.543	0.166	U
88-06-2	2,4,6-Trichlorophenol	ND	0.543	0.165	U
95-95-4	2,4,5-Trichlorophenol	ND	0.543	0.099	U
92-52-4	Biphenyl	ND	0.543	0.121	U
91-58-7	2-Chloronaphthalene	ND	0.543	0.098	U
88-74-4	2-Nitroaniline	ND	0.543	0.150	U
131-11-3	Dimethylphthalate	ND	0.543	0.127	U
606-20-2	2,6-Dinitrotoluene	ND	0.543	0.183	U
99-09-2	3-Nitroaniline	ND	0.543	0.121	U
51-28-5	2,4-Dinitrophenol	ND	5.43	0.791	U
132-64-9	Dibenzofuran	ND	0.543	0.099	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.543	0.155	U
121-14-2	2,4-Dinitrotoluene	ND	0.543	0.177	U
100-02-7	4-Nitrophenol	ND	2.72	0.641	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.543	0.086	U
84-66-2	Diethylphthalate	ND	0.543	0.196	U
100-01-6	4-Nitroaniline	ND	0.543	0.122	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.17	0.554	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-11	Date Collected	: 12/17/15 14:25
Client ID	: SW-3C-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 21:59
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311522	Analyst	: JT
Sample Amount	: 920 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.543	0.139	U
86-30-6	n-Nitrosodiphenylamine	ND	0.543	0.078	U
101-55-3	4-Bromophenyl-phenylether	ND	0.543	0.108	U
118-74-1	Hexachlorobenzene	ND	0.543	0.133	U
1912-24-9	Atrazine	ND	0.543	0.174	U
87-86-5	Pentachlorophenol	ND	2.17	0.467	U
82-68-8	Pentachloronitrobenzene	ND	0.543	0.184	U
86-74-8	Carbazole	ND	0.543	0.155	U
84-74-2	Di-n-butylphthalate	ND	0.543	0.108	U
92-87-5	Benzidine	ND	109	0.504	U
85-68-7	Butylbenzylphthalate	ND	0.543	0.092	U
91-94-1	3,3'-Dichlorobenzidine	ND	0.543	0.210	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.543	0.088	U
117-84-0	Di-n-octylphthalate	ND	1.09	0.085	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-12	Date Collected	: 12/17/15 16:00
Client ID	: EB20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 22:28
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311523	Analyst	: JT
Sample Amount	: 1050 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.476	0.069	U
110-86-1	Pyridine	ND	0.476	0.155	U
100-52-7	Benzaldehyde	ND	1.90	0.113	U
62-53-3	Aniline	ND	0.952	0.121	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.476	0.089	U
108-95-2	Phenol	ND	0.476	0.049	U
95-57-8	2-Chlorophenol	ND	0.476	0.087	U
541-73-1	1,3-Dichlorobenzene	ND	0.476	0.075	U
106-46-7	1,4-Dichlorobenzene	ND	0.476	0.079	U
95-50-1	1,2-Dichlorobenzene	ND	0.476	0.065	U
100-51-6	Benzyl alcohol	ND	0.476	0.117	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.476	0.103	U
95-48-7	2-Methylphenol	ND	0.476	0.099	U
98-86-2	Acetophenone	ND	0.952	0.197	U
67-72-1	Hexachloroethane	ND	0.476	0.097	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.476	0.117	U
106-44-5	4-Methylphenol	ND	0.476	0.108	U
98-95-3	Nitrobenzene	ND	0.476	0.097	U
78-59-1	Isophorone	ND	0.476	0.120	U
88-75-5	2-Nitrophenol	ND	0.476	0.110	U
105-67-9	2,4-Dimethylphenol	ND	1.90	0.230	U
65-85-0	Benzoic acid	ND	38.1	2.87	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.476	0.081	U
120-83-2	2,4-Dichlorophenol	ND	0.476	0.095	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-12	Date Collected	: 12/17/15 16:00
Client ID	: EB20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 22:28
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311523	Analyst	: JT
Sample Amount	: 1050 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.476	0.092	U
106-47-8	4-Chloroaniline	ND	0.476	0.122	U
87-68-3	Hexachlorobutadiene	ND	0.476	0.081	U
105-60-2	Caprolactam	ND	1.90	0.117	U
59-50-7	4-Chloro-3-methylphenol	ND	0.476	0.098	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.476	0.076	U
77-47-4	Hexachlorocyclopentadiene	ND	0.476	0.146	U
88-06-2	2,4,6-Trichlorophenol	ND	0.476	0.145	U
95-95-4	2,4,5-Trichlorophenol	ND	0.476	0.087	U
92-52-4	Biphenyl	ND	0.476	0.106	U
91-58-7	2-Chloronaphthalene	ND	0.476	0.086	U
88-74-4	2-Nitroaniline	ND	0.476	0.131	U
131-11-3	Dimethylphthalate	ND	0.476	0.111	U
606-20-2	2,6-Dinitrotoluene	ND	0.476	0.160	U
99-09-2	3-Nitroaniline	ND	0.476	0.106	U
51-28-5	2,4-Dinitrophenol	ND	4.76	0.693	U
132-64-9	Dibenzofuran	ND	0.476	0.087	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.476	0.136	U
121-14-2	2,4-Dinitrotoluene	ND	0.476	0.155	U
100-02-7	4-Nitrophenol	ND	2.38	0.562	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.476	0.075	U
84-66-2	Diethylphthalate	ND	0.476	0.171	U
100-01-6	4-Nitroaniline	ND	0.476	0.107	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	1.90	0.486	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-12	Date Collected	: 12/17/15 16:00
Client ID	: EB20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 22:28
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311523	Analyst	: JT
Sample Amount	: 1050 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.476	0.122	U
86-30-6	n-Nitrosodiphenylamine	ND	0.476	0.069	U
101-55-3	4-Bromophenyl-phenylether	ND	0.476	0.095	U
118-74-1	Hexachlorobenzene	ND	0.476	0.116	U
1912-24-9	Atrazine	ND	0.476	0.152	U
87-86-5	Pentachlorophenol	ND	1.90	0.410	U
82-68-8	Pentachloronitrobenzene	ND	0.476	0.161	U
86-74-8	Carbazole	ND	0.476	0.136	U
84-74-2	Di-n-butylphthalate	ND	0.476	0.095	U
92-87-5	Benzidine	ND	95.2	0.442	U
85-68-7	Butylbenzylphthalate	ND	0.476	0.081	U
91-94-1	3,3'-Dichlorobenzidine	ND	0.476	0.184	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.476	0.077	U
117-84-0	Di-n-octylphthalate	ND	0.952	0.075	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: WG852537-1	Date Collected	: NA
Client ID	: WG852537-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/31/15 15:13
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311508	Analyst	: JT
Sample Amount	: 1000 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.500	0.072	U
110-86-1	Pyridine	ND	0.500	0.163	U
100-52-7	Benzaldehyde	ND	2.00	0.119	U
62-53-3	Aniline	ND	1.00	0.127	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.500	0.093	U
108-95-2	Phenol	ND	0.500	0.051	U
95-57-8	2-Chlorophenol	ND	0.500	0.091	U
541-73-1	1,3-Dichlorobenzene	ND	0.500	0.078	U
106-46-7	1,4-Dichlorobenzene	ND	0.500	0.083	U
95-50-1	1,2-Dichlorobenzene	ND	0.500	0.068	U
100-51-6	Benzyl alcohol	ND	0.500	0.123	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.500	0.108	U
95-48-7	2-Methylphenol	ND	0.500	0.104	U
98-86-2	Acetophenone	ND	1.00	0.207	U
67-72-1	Hexachloroethane	ND	0.500	0.102	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.500	0.123	U
106-44-5	4-Methylphenol	ND	0.500	0.113	U
98-95-3	Nitrobenzene	ND	0.500	0.102	U
78-59-1	Isophorone	ND	0.500	0.126	U
88-75-5	2-Nitrophenol	ND	0.500	0.115	U
105-67-9	2,4-Dimethylphenol	ND	2.00	0.241	U
65-85-0	Benzoic acid	ND	40.0	3.01	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.500	0.085	U
120-83-2	2,4-Dichlorophenol	ND	0.500	0.100	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: WG852537-1	Date Collected	: NA
Client ID	: WG852537-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/31/15 15:13
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311508	Analyst	: JT
Sample Amount	: 1000 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.500	0.096	U
106-47-8	4-Chloroaniline	ND	0.500	0.128	U
87-68-3	Hexachlorobutadiene	ND	0.500	0.086	U
105-60-2	Caprolactam	ND	2.00	0.123	U
59-50-7	4-Chloro-3-methylphenol	ND	0.500	0.103	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.500	0.080	U
77-47-4	Hexachlorocyclopentadiene	ND	0.500	0.153	U
88-06-2	2,4,6-Trichlorophenol	ND	0.500	0.152	U
95-95-4	2,4,5-Trichlorophenol	ND	0.500	0.091	U
92-52-4	Biphenyl	ND	0.500	0.111	U
91-58-7	2-Chloronaphthalene	ND	0.500	0.090	U
88-74-4	2-Nitroaniline	ND	0.500	0.138	U
131-11-3	Dimethylphthalate	ND	0.500	0.117	U
606-20-2	2,6-Dinitrotoluene	ND	0.500	0.168	U
99-09-2	3-Nitroaniline	ND	0.500	0.111	U
51-28-5	2,4-Dinitrophenol	ND	5.00	0.728	U
132-64-9	Dibenzofuran	ND	0.500	0.091	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.500	0.143	U
121-14-2	2,4-Dinitrotoluene	ND	0.500	0.163	U
100-02-7	4-Nitrophenol	ND	2.50	0.590	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.500	0.079	U
84-66-2	Diethylphthalate	ND	0.500	0.180	U
100-01-6	4-Nitroaniline	ND	0.500	0.112	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.00	0.510	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: WG852537-1	Date Collected	: NA
Client ID	: WG852537-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/31/15 15:13
Sample Matrix	: WATER	Date Extracted	: 12/23/15
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1612311508	Analyst	: JT
Sample Amount	: 1000 ml	Instrument ID	: PAH16
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.500	0.128	U
86-30-6	n-Nitrosodiphenylamine	ND	0.500	0.072	U
101-55-3	4-Bromophenyl-phenylether	ND	0.500	0.100	U
118-74-1	Hexachlorobenzene	ND	0.500	0.122	U
1912-24-9	Atrazine	ND	0.500	0.160	U
87-86-5	Pentachlorophenol	ND	2.00	0.430	U
82-68-8	Pentachloronitrobenzene	ND	0.500	0.169	U
86-74-8	Carbazole	ND	0.500	0.143	U
84-74-2	Di-n-butylphthalate	ND	0.500	0.100	U
92-87-5	Benzidine	ND	100	0.464	U
85-68-7	Butylbenzylphthalate	ND	0.500	0.085	U
91-94-1	3,3'-Dichlorobenzidine	ND	0.500	0.193	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.088	0.500	0.081	J
117-84-0	Di-n-octylphthalate	ND	1.00	0.079	U

Form 2
Surrogate Recovery
SEMIVOLATILES

Client: Anchor QEA, LLC
Project Name: FORMER GLEN FALLS OU-2

Lab Number: L1533592
Project Number: E50593-01.01
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (NBZ)	S2 (FBP)	S3 (2FP)	S4 (TBP)	S5 (TPH)	S6 (PHL)	TOT OUT
DUP-20151217 (L1533592-07)	70	69	39	83	93	27	0
EB20151217 (L1533592-12)	71	66	37	83	96	24	0
WG852537-3LCSD	70	70	39	86	93	28	0
WG852537-2LCS	76	75	43	82	88	30	0
WG852537-1BLANK	72	73	42	82	95	29	0
SW-2B-20151217MS	65	63	33	81	88	23	0
SW-2B-20151217MSD	74	72	37	86	90	26	0
SW-1A-20151217 (L1533592-01)	74	69	35	67	96	26	0
SW-1B-20151217 (L1533592-02)	67	66	30	62	91	22	0
SW-1C-20151217 (L1533592-03)	64	65	20	60	94	15	0
SW-2A-20151217 (L1533592-04)	58	62	26	65	98	20	0
SW-2B-20151217 (L1533592-05)	68	64	29	59	94	22	0
SW-2C-20151217 (L1533592-06)	70	67	33	70	94	24	0
SW-3A-20151217 (L1533592-09)	70	69	32	63	93	24	0
SW-3B-20151217 (L1533592-10)	69	69	32	67	96	23	0
SW-3C-20151217 (L1533592-11)	67	66	32	62	94	24	0

	QC LIMITS
NBZ = NITROBENZENE-D5	(30-130)
FBP = 2-FLUOROBIPHENYL	(30-130)
2FP = 2-FLUOROPHENOL	(15-115)
TBP = 2,4,6-TRIBROMOPHENOL)	(15-115)
TPH = TERPHENYL-D14)	(30-130)
PHL = PHENOL-D5)	(15-115)

*** Values outside of QC limits**

FORM II A2-SVOC-8270

Laboratory Control Sample
Form 3

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Matrix	: WATER		
LCS Sample ID	: WG852537-2 Analysis Date : 12/31/15 15:42	File ID	: F1612311509
LCSD Sample ID	: WG852537-3 Analysis Date : 12/31/15 16:11	File ID	: F1612311510

	Laboratory Control Sample				Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R		True (ug/l)	Found (ug/l)	%R		RPD		Recovery Limits	RPD Limit
n-Nitrosodimethylamine	10	4.92	49		10	4.54	45		9		40-140	20
Pyridine	10	3.58	36	Q	10	3.87	39	Q	8		40-140	20
Benzaldehyde	10	7.91	79		10	6.92	69		14		40-140	20
Aniline	10	5.99	60		10	6.20	62		3		40-140	20
Bis(2-chloroethyl)ether	10	7.44	74		10	6.40	64		14		40-140	20
Phenol	10	3.25	32		10	2.97	30		6		30-130	20
2-Chlorophenol	10	6.64	66		10	5.88	59		11		30-130	20
1,3-Dichlorobenzene	10	3.89	39	Q	10	3.39	34	Q	14		40-140	20
1,4-Dichlorobenzene	10	4.05	40		10	3.47	35	Q	13		40-140	20
1,2-Dichlorobenzene	10	4.30	43		10	3.59	36	Q	18		40-140	20
Bis(2-chloroisopropyl)ether	10	7.69	77		10	6.04	60		25	Q	40-140	20
2-Methylphenol	10	6.42	64		10	5.93	59		8		30-130	20
Acetophenone	10	8.99	90		10	8.30	83		8		40-140	20
Hexachloroethane	10	3.59	36	Q	10	3.45	34	Q	6		40-140	20
N-Nitroso-di-n-propylamine	10	8.12	81		10	7.43	74		9		40-140	20
4-Methylphenol	10	6.40	64		10	6.03	60		6		30-130	20
Nitrobenzene	10	7.41	74		10	6.34	63		16		40-140	20
Isophorone	10	8.16	82		10	7.77	78		5		40-140	20
2-Nitrophenol	10	7.14	71		10	6.36	64		10		40-140	20
2,4-Dimethylphenol	10	8.34	83		10	7.81	78		6		40-140	20
Benzoic Acid	50	9.29	18	Q	50	6.69	13	Q	32	Q	40-140	20
Bis(2-chloroethoxy)methane	10	7.68	77		10	7.39	74		4		40-140	20
2,4-Dichlorophenol	10	7.52	75		10	7.04	70		7		30-130	20
1,2,4-Trichlorobenzene	10	4.36	44		10	3.73	37	Q	17		40-140	20
Naphthalene	10	5.62	56		10	4.30	43		26	Q	40-140	20
4-Chloroaniline	10	6.67	67		10	6.88	69		3		40-140	20
Hexachlorobutadiene	10	3.33	33	Q	10	3.42	34	Q	3		40-140	20
Caprolactam	10	2.78	28	Q	10	2.81	28	Q	0		40-140	20

Laboratory Control Sample
Form 3

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Matrix	: WATER		
LCS Sample ID	: WG852537-2 **Analysis Date :** 12/31/15 15:42	**File ID**	: F1612311509
LCSD Sample ID	: WG852537-3 **Analysis Date :** 12/31/15 16:11	**File ID**	: F1612311510

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
P-Chloro-M-Cresol	10	8.09	81	10	8.04	80	1	30-130	20
2-Methylnaphthalene	10	5.67	57	10	4.38	44	26 Q	40-140	20
1,2,4,5-Tetrachlorobenzene	10	4.85	48	10	4.00	40	18	40-140	20
Hexachlorocyclopentadiene	10	4.08	41	10	4.05	40	2	40-140	20
2,4,6-Trichlorophenol	10	7.86	79	10	7.77	78	1	30-130	20
2,4,5-Trichlorophenol	10	8.12	81	10	8.22	82	1	30-130	20
Biphenyl	10	7.85	78	10	7.18	72	8	40-140	20
2-Chloronaphthalene	10	6.16	62	10	4.74	47	28 Q	40-140	20
2-Nitroaniline	10	8.66	87	10	8.97	90	3	40-140	20
Acenaphthylene	10	7.32	73	10	5.84	58	23 Q	40-140	20
Dimethylphthalate	10	8.30	83	10	8.56	86	4	40-140	20
2,6-Dinitrotoluene	10	8.24	82	10	8.45	84	2	40-140	20
Acenaphthene	10	7.06	70	10	5.53	55	24 Q	40-140	20
3-Nitroaniline	10	7.37	74	10	7.96	80	8	40-140	20
2,4-Dinitrophenol	10	8.11	81	10	8.22	82	1	30-130	20
Dibenzofuran	10	7.37	74	10	5.90	59	23 Q	40-140	20
2,3,4,6-Tetrachlorophenol	10	8.39	84	10	8.49	85	1	30-130	20
2,4-Dinitrotoluene	10	8.48	85	10	8.66	86	1	40-140	20
4-Nitrophenol	10	4.54	45	10	4.79	48	6	30-130	20
Fluorene	10	7.79	78	10	6.52	65	18	40-140	20
4-Chlorophenyl-phenylether	10	7.32	73	10	5.77	58	23 Q	40-140	20
Diethylphthalate	10	8.62	86	10	8.94	89	3	40-140	20
4-Nitroaniline	10	8.55	85	10	9.05	90	6	40-140	20
4,6-Dinitro-2-Methylphenol	10	7.99	80	10	8.66	87	8	30-130	20
Azobenzene	10	7.98	80	10	7.13	71	12	40-140	20
NitrosoDiPhenylAmine(NDPA)/DPA	10	8.17	82	10	8.50	85	4	40-140	20
4-Bromophenyl-phenylether	10	7.55	76	10	6.41	64	17	40-140	20
Hexachlorobenzene	10	7.39	74	10	6.60	66	11	40-140	20

Laboratory Control Sample
Form 3

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Matrix	: WATER		
LCS Sample ID	: WG852537-2 **Analysis Date :** 12/31/15 15:42	**File ID**	: F1612311509
LCSD Sample ID	: WG852537-3 **Analysis Date :** 12/31/15 16:11	**File ID**	: F1612311510

	Laboratory Control Sample				Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R		True (ug/l)	Found (ug/l)	%R		RPD	Recovery Limits	RPD Limit
Atrazine	10	9.06	91		10	9.46	94		3	40-140	20
Pentachlorophenol	10	8.33	83		10	8.33	83		0	30-130	20
Phenanthrene	10	7.99	80		10	7.65	76		5	40-140	20
Anthracene	10	8.21	82		10	8.02	80		2	40-140	20
Carbazole	10	8.56	86		10	8.94	89		3	40-140	20
Di-n-butylphthalate	10	9.09	91		10	9.38	94		3	40-140	20
Fluoranthene	10	8.43	84		10	8.66	86		2	40-140	20
Benzidine	25	3.11	12	Q	25	7.50	30	Q	86 Q	40-140	20
Pyrene	10	8.58	86		10	8.82	88		2	40-140	20
Butylbenzylphthalate	10	9.38	94		10	9.64	96		2	40-140	20
3,3'-Dichlorobenzidine	10	6.86	69		10	7.04	70		1	40-140	20
Benz(a)anthracene	10	8.36	84		10	8.66	87		4	40-140	20
Chrysene	10	8.34	83		10	8.64	86		4	40-140	20
Bis(2-Ethylhexyl)phthalate	10	9.17	92		10	9.42	94		2	40-140	20
Di-n-octylphthalate	10	9.66	97		10	10.1	101		4	40-140	20
Benzo(b)fluoranthene	10	8.69	87		10	9.10	91		4	40-140	20
Benzo(k)fluoranthene	10	8.74	87		10	9.19	92		6	40-140	20
Benzo(a)pyrene	10	8.74	87		10	9.08	91		4	40-140	20
Indeno(1,2,3-cd)Pyrene	10	8.70	87		10	9.12	91		4	40-140	20
Dibenz(a,h)anthracene	10	8.69	87		10	9.05	90		3	40-140	20
Benzo(ghi)perylene	10	8.78	88		10	9.20	92		4	40-140	20

Matrix Spike
Form 3

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Client Sample ID	: SW-2B-20151217	Matrix	: WATER
Lab Sample ID	: L1533592-05	Analysis Date	: 12/31/15 18:36
Matrix Spike	: WG852537-4	MS Analysis Date	: 12/31/15 19:05
Matrix Spike Dup	: WG852537-5	MSD Analysis Date	: 12/31/15 19:34

		Matrix Spike Sample				Matrix Spike Duplicate						
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		Spike Added (ug/l)	Spike Conc. (ug/l)	%R		RPD		Recovery Limits	RPD Limit
n-Nitrosodimethylamine	ND	10.5	4.19	40		10.5	4.59	44		9		40-140	20
Pyridine	ND	10.5	2.60	25	Q	10.5	3.40	32	Q	27	Q	40-140	20
Benzaldehyde	ND	10.5	6.57	62		10.5	6.92	66		5		40-140	20
Aniline	ND	10.5	4.47	42		10.5	5.50	52		21	Q	40-140	20
Bis(2-chloroethyl)ether	ND	10.5	6.60	63		10.5	7.39	70		11		40-140	20
Phenol	ND	10.5	2.56	24	Q	10.5	2.83	27	Q	10		30-130	20
2-Chlorophenol	ND	10.5	5.82	55		10.5	6.55	62		12		30-130	20
1,3-Dichlorobenzene	ND	10.5	3.23	31	Q	10.5	3.74	36	Q	15		40-140	20
1,4-Dichlorobenzene	ND	10.5	3.36	32	Q	10.5	3.81	36	Q	13		40-140	20
1,2-Dichlorobenzene	ND	10.5	3.51	33	Q	10.5	3.98	38	Q	13		40-140	20
Bis(2-chloroisopropyl)ether	ND	10.5	6.74	64		10.5	7.66	73		13		40-140	20
2-Methylphenol	ND	10.5	5.24	50		10.5	6.13	58		16		30-130	20
Acetophenone	ND	10.5	7.84	74		10.5	8.92	85		13		40-140	20
Hexachloroethane	ND	10.5	3.16	30	Q	10.5	3.63	34	Q	14		40-140	20
N-Nitroso-di-n-propylamine	ND	10.5	7.21	68		10.5	8.18	78		13		40-140	20
4-Methylphenol	ND	10.5	5.10	48		10.5	6.03	57		17		30-130	20
Nitrobenzene	ND	10.5	6.71	64		10.5	7.62	72		13		40-140	20
Isophorone	ND	10.5	7.49	71		10.5	8.53	81		13		40-140	20
2-Nitrophenol	ND	10.5	6.55	62		10.5	7.43	71		13		40-140	20
2,4-Dimethylphenol	ND	10.5	4.83	46		10.5	7.50	71		43	Q	40-140	20
Benzoic Acid	ND	52.6	15.6J	30	Q	52.6	16.6J	32	Q	6		40-140	20
Bis(2-chloroethoxy)methane	ND	10.5	7.14	68		10.5	8.18	78		14		40-140	20
2,4-Dichlorophenol	ND	10.5	6.78	64		10.5	7.82	74		14		30-130	20
1,2,4-Trichlorobenzene	ND	10.5	3.55	34	Q	10.5	4.21	40		17		40-140	20

Matrix Spike
Form 3

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Client Sample ID	: SW-2B-20151217	Matrix	: WATER
Lab Sample ID	: L1533592-05	Analysis Date	: 12/31/15 18:36
Matrix Spike	: WG852537-4	MS Analysis Date	: 12/31/15 19:05
Matrix Spike Dup	: WG852537-5	MSD Analysis Date	: 12/31/15 19:34

		Matrix Spike Sample				Matrix Spike Duplicate						
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		Spike Added (ug/l)	Spike Conc. (ug/l)	%R		RPD	Recovery Limits	RPD Limit
Naphthalene	ND	10.5	4.56	43		10.5	5.32	50		15	40-140	20
4-Chloroaniline	ND	10.5	5.31	50		10.5	5.92	56		11	40-140	20
Hexachlorobutadiene	ND	10.5	3.11	30	Q	10.5	3.69	35	Q	17	40-140	20
Caprolactam	ND	10.5	2.63	25	Q	10.5	2.80	27	Q	6	40-140	20
P-Chloro-M-Cresol	ND	10.5	7.66	73		10.5	8.46	80		10	30-130	20
2-Methylnaphthalene	ND	10.5	4.43	42		10.5	5.34	51		19	40-140	20
1,2,4,5-Tetrachlorobenzene	ND	10.5	3.77	36	Q	10.5	4.57	43		19	40-140	20
Hexachlorocyclopentadiene	ND	10.5	3.80	36	Q	10.5	4.48	43		16	40-140	20
2,4,6-Trichlorophenol	ND	10.5	7.80	74		10.5	8.61	82		10	30-130	20
2,4,5-Trichlorophenol	ND	10.5	8.12	77		10.5	8.62	82		6	30-130	20
Biphenyl	ND	10.5	6.78	64		10.5	7.42	70		9	40-140	20
2-Chloronaphthalene	ND	10.5	4.90	47		10.5	5.83	55		17	40-140	20
2-Nitroaniline	ND	10.5	9.00	86		10.5	9.52	90		6	40-140	20
Acenaphthylene	ND	10.5	6.44	61		10.5	7.24	69		12	40-140	20
Dimethylphthalate	ND	10.5	8.66	82		10.5	9.01	86		4	40-140	20
2,6-Dinitrotoluene	ND	10.5	8.62	82		10.5	8.99	85		4	40-140	20
Acenaphthene	ND	10.5	6.14	58		10.5	7.01	67		13	40-140	20
3-Nitroaniline	ND	10.5	7.24	69		10.5	7.47	71		3	40-140	20
2,4-Dinitrophenol	ND	10.5	9.24	88		10.5	9.64	92		4	30-130	20
Dibenzofuran	ND	10.5	6.73	64		10.5	7.47	71		10	40-140	20
2,3,4,6-Tetrachlorophenol	ND	10.5	8.89	84		10.5	9.23	88		4	30-130	20
2,4-Dinitrotoluene	ND	10.5	9.02	86		10.5	9.45	90		5	40-140	20
4-Nitrophenol	ND	10.5	4.35	41		10.5	4.49	43		3	30-130	20
Fluorene	ND	10.5	7.70	73		10.5	8.24	78		7	40-140	20

Matrix Spike
Form 3

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Client Sample ID	: SW-2B-20151217	Matrix	: WATER
Lab Sample ID	: L1533592-05	Analysis Date	: 12/31/15 18:36
Matrix Spike	: WG852537-4	MS Analysis Date	: 12/31/15 19:05
Matrix Spike Dup	: WG852537-5	MSD Analysis Date	: 12/31/15 19:34

		Matrix Spike Sample				Matrix Spike Duplicate						
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		Spike Added (ug/l)	Spike Conc. (ug/l)	%R		RPD	Recovery Limits	RPD Limit
4-Chlorophenyl-phenylether	ND	10.5	7.18	68		10.5	7.77	74		8	40-140	20
Diethylphthalate	ND	10.5	9.22	88		10.5	9.58	91		4	40-140	20
4-Nitroaniline	ND	10.5	8.40	80		10.5	8.71	83		4	40-140	20
4,6-Dinitro-2-Methylphenol	ND	10.5	9.05	86		10.5	9.41	89		4	30-130	20
Azobenzene	ND	10.5	8.14	77		10.5	8.56	81		5	40-140	20
NitrosoDiPhenylAmine(NDPA)/DPA	ND	10.5	8.69	83		10.5	9.05	86		4	40-140	20
4-Bromophenyl-phenylether	ND	10.5	7.97	76		10.5	8.38	80		5	40-140	20
Hexachlorobenzene	ND	10.5	8.12	77		10.5	8.48	81		4	40-140	20
Atrazine	ND	10.5	9.30	88		10.5	9.49	90		2	40-140	20
Pentachlorophenol	ND	10.5	9.03	86		10.5	9.50	90		5	30-130	20
Phenanthrene	ND	10.5	8.74	83		10.5	9.14	87		4	40-140	20
Anthracene	ND	10.5	8.77	83		10.5	9.07	86		3	40-140	20
Carbazole	ND	10.5	9.17	87		10.5	9.70	92		6	40-140	20
Di-n-butylphthalate	ND	10.5	9.35	89		10.5	9.76	93		4	40-140	20
Fluoranthene	ND	10.5	8.90	85		10.5	9.25	88		4	40-140	20
Benzidine	ND	26.3	ND	0	Q	26.3	1.48J	6	Q	NC	40-140	20
Pyrene	ND	10.5	9.37	89		10.5	9.61	91		3	40-140	20
Butylbenzylphthalate	ND	10.5	10.3	98		10.5	10.4	99		1	40-140	20
3,3'-Dichlorobenzidine	ND	10.5	6.22	59		10.5	7.05	67		13	40-140	20
Benz(a)anthracene	ND	10.5	9.10	86		10.5	9.35	89		3	40-140	20
Chrysene	ND	10.5	8.96	85		10.5	9.30	88		4	40-140	20
Bis(2-Ethylhexyl)phthalate	ND	10.5	9.93	94		10.5	10.1	96		2	40-140	20
Di-n-octylphthalate	ND	10.5	10.3	98		10.5	10.7	102		4	40-140	20
Benzo(b)fluoranthene	ND	10.5	9.16	87		10.5	9.64	92		5	40-140	20

Matrix Spike
Form 3

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Client Sample ID	: SW-2B-20151217	**Matrix**	: WATER
Lab Sample ID	: L1533592-05	**Analysis Date**	: 12/31/15 18:36
Matrix Spike	: WG852537-4	**MS Analysis Date**	: 12/31/15 19:05
Matrix Spike Dup	: WG852537-5	**MSD Analysis Date**	: 12/31/15 19:34

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Benzo(k)fluoranthene	ND	10.5	9.31	88	10.5	9.79	93	5	40-140	20
Benzo(a)pyrene	ND	10.5	9.27	88	10.5	9.83	93	6	40-140	20
Indeno(1,2,3-cd)Pyrene	ND	10.5	9.04	86	10.5	9.53	90	5	40-140	20
Dibenz(a,h)anthracene	ND	10.5	9.09	86	10.5	9.57	91	5	40-140	20
Benzo(ghi)perylene	ND	10.5	9.28	88	10.5	9.75	93	5	40-140	20

Method Blank Summary
Form 4

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab Sample ID	: WG852537-1	**Lab File ID**	: F1612311508
Instrument ID	: PAH16	**Extraction Date**	: 12/23/15
Matrix	: WATER	**Analysis Date**	: 12/31/15 15:13
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG852537-2LCS	WG852537-2	12/31/15 15:42
WG852537-3LCSD	WG852537-3	12/31/15 16:11
SW-1A-20151217	L1533592-01	12/31/15 16:40
SW-1B-20151217	L1533592-02	12/31/15 17:09
SW-1C-20151217	L1533592-03	12/31/15 17:38
SW-2A-20151217	L1533592-04	12/31/15 18:07
SW-2B-20151217	L1533592-05	12/31/15 18:36
SW-2B-20151217MS	WG852537-4	12/31/15 19:05
SW-2B-20151217MSD	WG852537-5	12/31/15 19:34
SW-2C-20151217	L1533592-06	12/31/15 20:03
DUP-20151217	L1533592-07	12/31/15 20:32
SW-3A-20151217	L1533592-09	12/31/15 21:01
SW-3B-20151217	L1533592-10	12/31/15 21:30
SW-3C-20151217	L1533592-11	12/31/15 21:59
EB20151217	L1533592-12	12/31/15 22:28

Instrument Performance Check
Decafluorotriphenylphosphine (DFTPP)
Form 5

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: PAH16	**Analysis Date**	: 12/05/15 09:23
Tune Standard	: R825744-1	**Tune File ID**	: F1612051501_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	35
68	Less than 2.0% of mass 69	0.7 (1.7)1
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	54.2
197	Less than 2.0% of mass 198	0.2
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 60.0% of Base Peak	22.2
365	Greater than 1.0% of mass 198	2.4
441	Present, but less than 24% of mass 442	14.7
442	Base Peak, or >50% of mass 198	55.7
443	15.0 - 24.0% of mass 442	10.6 (19)2

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

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD 0.5	R825744-2	F1612051502	12/05/15 09:52
STD 1.0	R825744-6	F1612051503	12/05/15 10:21
STD 2.0	R825744-7	F1612051504	12/05/15 10:50
STD 5.0	R825744-8	F1612051505	12/05/15 11:19
STD 10	R825744-3	F1612051506	12/05/15 11:48
STD 15	R825744-9	F1612051507	12/05/15 12:17
STD 25	R825744-10	F1612051508	12/05/15 12:47
STD 50	R825744-11	F1612051509	12/05/15 13:16
STD 0.5a	R825744-4	F1612051510	12/05/15 13:45
STD 1.0a	R825744-12	F1612051511	12/05/15 14:14
STD 2.0a	R825744-13	F1612051512	12/05/15 14:43
STD 5.0a	R825744-14	F1612051513	12/05/15 15:12
STD 10a	R825744-5	F1612051514	12/05/15 15:41
STD 15a	R825744-15	F1612051515	12/05/15 16:10
STD 25a	R825744-16	F1612051516	12/05/15 16:39
ICV Quant Report	R825744-17	F1612051517	12/05/15 17:08
ICV Quant Report	R825744-18	F1612051518	12/05/15 17:37
ICV Quant Report	R825744-19	F1612051519	12/05/15 18:06
ICV Quant Report	R825744-20	F1612051520	12/05/15 18:34

Instrument Performance Check
Decafluorotriphenylphosphine (DFTPP)
Form 5

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: PAH16	**Analysis Date**	: 12/31/15 13:44
Tune Standard	: WG854333-1	**Tune File ID**	: F1612311505_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	31.7
68	Less than 2.0% of mass 69	0.7 (1.8)1
70	Less than 2.0% of mass 69	0.2 (.7)1
127	10.0 - 80.0% of Base Peak	54
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.5
275	10.0 - 60.0% of Base Peak	23.2
365	Greater than 1.0% of mass 198	2.5
441	Present, but less than 24% of mass 442	14.4
442	Base Peak, or >50% of mass 198	61.2
443	15.0 - 24.0% of mass 442	11.5 (18.9)2

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

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG854333-3CCAL	WG854333-3	F1612311506	12/31/15 14:13
WG854333-4CCAL	WG854333-4	F1612311507	12/31/15 14:42
WG852537-1BLANK	WG852537-1	F1612311508	12/31/15 15:13
WG852537-2LCS	WG852537-2	F1612311509	12/31/15 15:42
WG852537-3LCSD	WG852537-3	F1612311510	12/31/15 16:11
SW-1A-20151217	L1533592-01	F1612311511	12/31/15 16:40
SW-1B-20151217	L1533592-02	F1612311512	12/31/15 17:09
SW-1C-20151217	L1533592-03	F1612311513	12/31/15 17:38
SW-2A-20151217	L1533592-04	F1612311514	12/31/15 18:07
SW-2B-20151217	L1533592-05	F1612311515	12/31/15 18:36
WG852537-4MS	WG852537-4	F1612311516	12/31/15 19:05
WG852537-5MSD	WG852537-5	F1612311517	12/31/15 19:34
SW-2C-20151217	L1533592-06	F1612311518	12/31/15 20:03
DUP-20151217	L1533592-07	F1612311519	12/31/15 20:32
SW-3A-20151217	L1533592-09	F1612311520	12/31/15 21:01
SW-3B-20151217	L1533592-10	F1612311521	12/31/15 21:30
SW-3C-20151217	L1533592-11	F1612311522	12/31/15 21:59
EB20151217	L1533592-12	F1612311523	12/31/15 22:28

Initial Calibration Summary
Form 6

Client	**: Anchor QEA, LLC**	**Lab Number**	**: L1533592**
Project Name	**: FORMER GLEN FALLS OU-2**	**Project Number**	**: E50593-01.01**
Instrument ID	**: PAH16**	**Ical Ref**	**: ICAL11862**
Calibration dates	**: 12/05/15 09:52 12/05/15 16:39**		

Calibration Files

0.5 =F1612051502.D 1 =F1612051503.D 2 =F1612051504.D 5 =F1612051505.D 10 =F1612051506.D

15 =F1612051507.D 25 =F1612051508.D 50 =F1612051509.D 0.5a=F1612051510.D 1.0a=F1612051511.D

2.0a=F1612051512.D 5.0a=F1612051513.D 10a =F1612051514.D 15a =F1612051515.D 25a =F1612051516.D

		Compound	0.5	1	2	5	10	15	25	50	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
2)	T	N-Nitrosodimethylamine	0.875	0.854	0.882	0.772	0.894	0.822	0.838	0.799	0.842	5.06
3)	t	Pyridine	1.588	1.520	1.591	1.433	1.633	1.514	1.514	1.497	1.536	4.15
4)	S	2-Fluorophenol	1.454	1.366	1.419	1.304	1.444	1.359	1.446	1.410	1.400	3.76
5)	T	Benzaldehyde	1.098	1.077	1.114	1.160	1.262	1.206			1.153	6.14
6)	T	Aniline	2.357	2.256	2.328	2.059	1.941	2.324	2.048	1.782	2.137	9.89
7)	T	bis(2-Chloroethyl)ether	1.212	1.189	1.214	1.072	1.241	1.285	1.151	1.085	1.181	6.29
8)	S	Phenol-d5	1.854	1.810	1.873	1.741	1.958	2.067	1.936	1.865	1.888	5.25
9)	MC	Phenol	1.908	1.795	1.912	1.762	2.017	2.166	2.036	2.017	1.952	6.85#
10)	M	2-Chlorophenol	1.601	1.500	1.545	1.436	1.572	1.656	1.547	1.502	1.545	4.37
11)	T	1,3-Dichlorobenzene	1.738	1.613	1.635	1.552	1.680	1.799	1.675	1.604	1.662	4.74
12)	MC	1,4-Dichlorobenzene	1.751	1.636	1.657	1.572	1.700	1.793	1.678	1.602	1.674	4.42#
13)	T	1,2-Dichlorobenzene	1.661	1.543	1.568	1.480	1.592	1.696	1.567	1.474	1.572	4.96
14)	T	Benzyl alcohol	0.890	0.895	0.984	0.939	1.026	1.091	1.019	0.986	0.979	7.00
15)	T	bis(2-chloroisopropyl)eth	2.525	2.493	2.535	2.051	2.459	2.455	2.100	1.618	2.280	14.42
16)	T	2-Methylphenol	1.409	1.361	1.359	1.265	1.376	1.456	1.355	1.281	1.358	4.60
17)	T	Acetophenone	1.662	1.565	1.705	1.785	1.955	1.875	1.797		1.763	7.46
18)	T	Hexachloroethane	0.739	0.693	0.702	0.627	0.726	0.760	0.706	0.664	0.702	6.00
19)	MP	N-Nitroso-di-n-propylamin	1.195	1.188	1.205	1.061	1.232	1.262	1.140	1.095	1.172	5.86
20)	T	4-Methylphenol	1.554	1.417	1.476	1.362	1.525	1.579	1.467	1.431	1.476	4.96
21)	I	Naphthalene-d8	----------ISTD----------									
22)	S	Nitrobenzene-d5	0.425	0.421	0.423	0.387	0.445	0.459	0.430	0.385	0.422	6.08
23)	T	Nitrobenzene	0.452	0.441	0.439	0.403	0.466	0.475	0.443	0.398	0.440	6.23
24)	T	Isophorone	0.650	0.638	0.658	0.607	0.692	0.706	0.676	0.592	0.652	6.05
25)	TC	2-Nitrophenol	0.203	0.193	0.200	0.192	0.216	0.223	0.212	0.195	0.204	5.72#
26)	T	2,4-Dimethylphenol	0.332	0.323	0.325	0.290	0.321	0.328	0.303	0.283	0.313	5.97
27)	T	Benzoic acid	0.104	0.126	0.182	0.212	0.269	0.284	0.285	0.298	*Q	0.9997
28)	T	bis(2-Chloroethoxy)methan	0.440	0.436	0.435	0.410	0.465	0.470	0.440	0.409	0.438	5.08
29)	TC	2,4-Dichlorophenol	0.278	0.270	0.279	0.269	0.299	0.309	0.296	0.283	0.285	5.07#
30)	M	1,2,4-Trichlorobenzene	0.319	0.298	0.295	0.285	0.312	0.326	0.308	0.292	0.304	4.63
31)	T	Naphthalene	1.188	1.113	1.117	1.069	1.165	1.203	1.122	0.984	1.120	6.28
32)	T	2-Chloroaniline	0.597	0.572	0.575	0.541	0.605	0.625	0.588	0.534	0.580	5.35
33)	T	4-Chloroaniline	0.475	0.458	0.457	0.441	0.459	0.481	0.451	0.409	0.454	4.84
34)	TC	Hexachlorobutadiene	0.165	0.148	0.145	0.147	0.156	0.161	0.154	0.147	0.153	4.93#
35)	T	Caprolactam	0.086	0.093	0.096	0.105	0.118	0.112	0.108		0.102	11.06
36)	MC	4-Chloro-3-methylphenol	0.325	0.316	0.321	0.311	0.354	0.364	0.351	0.320	0.333	6.14#
37)	T	2-Methylnaphthalene	0.763	0.708	0.712	0.692	0.762	0.784	0.737	0.658	0.727	5.79
38)	I	Acenaphthene-d10	----------ISTD----------									
39)	T	1,2,4,5-Tetrachlorobenzen	0.543	0.523	0.506	0.553	0.537	0.616	0.549	0.540	0.546	5.88
40)	TP	Hexachlorocyclopentadiene	0.089	0.120	0.155	0.223	0.252	0.308	0.292		*Q	0.9935

Initial Calibration Summary
Form 6

Client	**: Anchor QEA, LLC**	**Lab Number**	**: L1533592**
Project Name	**: FORMER GLEN FALLS OU-2**	**Project Number**	**: E50593-01.01**
Instrument ID	**: PAH16**	**Ical Ref**	**: ICAL11862**
Calibration dates	**: 12/05/15 09:52 12/05/15 16:39**		

Calibration Files

0.5 =F1612051502.D 1 =F1612051503.D 2 =F1612051504.D 5 =F1612051505.D 10 =F1612051506.D

15 =F1612051507.D 25 =F1612051508.D 50 =F1612051509.D 0.5a=F1612051510.D 1.0a=F1612051511.D

2.0a=F1612051512.D 5.0a=F1612051513.D 10a =F1612051514.D 15a =F1612051515.D 25a =F1612051516.D

		Compound	0.5	1	2	5	10	15	25	50	Avg	%RSD
41)	TC	2,4,6-Trichlorophenol	0.357	0.337	0.339	0.364	0.386	0.448	0.395	0.435	0.383	10.84#
42)	T	2,4,5-Trichlorophenol	0.391	0.368	0.374	0.395	0.400	0.453	0.408	0.387	0.397	6.58
43)	S	2-Fluorobiphenyl	1.412	1.385	1.339	1.388	1.427	1.610	1.405	1.370	1.417	5.83
44)	T	Biphenyl	1.654	1.593	1.411	1.570	1.706	1.628	1.533		1.585	6.01
45)	T	2-Chloronaphthalene	1.265	1.223	1.207	1.291	1.270	1.455	1.274	1.239	1.278	6.01
46)	T	2-Nitroaniline	0.416	0.475	0.476	0.469	0.512	0.580	0.504	0.472	0.488	9.63
47)	T	Acenaphthylene	2.230	2.129	2.102	2.240	2.237	2.340	2.209	2.126	2.202	3.60
48)	T	Dimethylphthalate	1.377	1.333	1.298	1.361	1.390	1.477	1.422	1.457	1.390	4.37
49)	T	2,6-Dinitrotoluene	0.301	0.294	0.304	0.330	0.336	0.352	0.342	0.342	0.325	6.84
50)	MC	Acenaphthene	1.429	1.352	1.327	1.369	1.411	1.454	1.388	1.349	1.385	3.15#
51)	T	3-Nitroaniline	0.329	0.350	0.357	0.386	0.393	0.405	0.402	0.412	0.379	7.91
52)	TP	2,4-Dinitrophenol	0.033	0.070	0.120	0.186	0.226	0.250	0.265	0.305	*Q	0.9999
53)	T	Dibenzofuran	1.818	1.725	1.675	1.821	1.786	1.850	1.750	1.712	1.767	3.47
54)		2,3,4,6-Tetrachlorophenol	0.215	0.219	0.237	0.256	0.268	0.296	0.287	0.310	0.261	13.63
55)	M	2,4-Dinitrotoluene	0.402	0.405	0.415	0.463	0.466	0.495	0.475	0.476	0.450	8.10
56)	MP	4-Nitrophenol	0.136	0.183	0.193	0.205	0.232	0.268	0.240	0.227	0.210	19.25
57)	T	Fluorene	1.445	1.416	1.393	1.461	1.521	1.578	1.453	1.371	1.455	4.65
58)	T	4-Chlorophenyl-phenylethe	0.627	0.608	0.590	0.623	0.644	0.686	0.633	0.610	0.628	4.61
59)	T	Diethylphthalate	1.430	1.436	1.410	1.462	1.529	1.607	1.544	1.544	1.495	4.70
60)	T	4-Nitroaniline	0.328	0.352	0.344	0.374	0.374	0.375	0.374	0.410	0.366	6.79
61)	I	Phenanthrene-d10	----------ISTD----------									
62)	T	4,6-Dinitro-2-methylpheno	0.057	0.080	0.104	0.134	0.138	0.151	0.152	0.163	*Q	0.9999
63)	T	Azobenzene	0.206	0.202	0.206	0.232	0.216	0.225	0.230	0.228	0.218	5.62
64)	TC	n-Nitrosodiphenylamine	0.527	0.524	0.520	0.574	0.545	0.568	0.567	0.573	0.550	4.28#
65)	S	2,4,6-Tribromophenol	0.061	0.058	0.060	0.074	0.064	0.072	0.068	0.074	0.066	9.65
66)	T	4-Bromophenyl-phenylether	0.160	0.158	0.154	0.179	0.164	0.178	0.169	0.178	0.168	5.91
67)	T	Hexachlorobenzene	0.169	0.158	0.153	0.181	0.157	0.175	0.167	0.173	0.167	5.91
68)	T	Atrazine	0.165	0.164	0.180	0.183	0.206	0.198	0.204		0.186	9.35
69)	MC	Pentachlorophenol	0.048	0.056	0.076	0.102	0.117	0.132	0.133	0.150	*Q	0.9997
70)	T	Pentachloronitrobenzene	0.066	0.070	0.074	0.082	0.084	0.098	0.093	0.093	0.082	14.23
71)	T	Phenanthrene	1.085	1.054	1.042	1.080	1.090	1.149	1.090	1.145	1.092	3.49
72)	T	Anthracene	1.007	1.036	1.046	1.085	1.077	1.121	1.059	1.075	1.063	3.25
73)	T	Carbazole	0.957	0.996	1.018	1.058	1.047	1.107	1.014	1.083	1.035	4.68
74)	T	Di-n-butylphthalate	1.150	1.176	1.225	1.316	1.316	1.347	1.313	1.377	1.277	6.51
75)	TC	Fluoranthene	0.973	1.030	1.036	1.078	1.078	1.132	1.135	1.113	1.072	5.24#
76)	I	Chrysene-d12	----------ISTD----------									
77)	T	Benzidine	0.579	0.640	0.764	0.874	0.992	0.984	0.960		*L	0.9991
78)	M	Pyrene	1.132	1.213	1.224	1.267	1.292	1.314	1.180	1.406	1.254	6.82
79)	S	Terphenyl-d14	0.665	0.713	0.729	0.743	0.761	0.779	0.713	0.851	0.744	7.40
80)	T	Butylbenzylphthalate	0.560	0.597	0.629	0.680	0.705	0.720	0.628	0.798	0.665	11.47

Initial Calibration Summary
Form 6

Client	**: Anchor QEA, LLC**	**Lab Number**	**: L1533592**
Project Name	**: FORMER GLEN FALLS OU-2**	**Project Number**	**: E50593-01.01**
Instrument ID	**: PAH16**	**Ical Ref**	**: ICAL11862**
Calibration dates	**: 12/05/15 09:52 12/05/15 16:39**		

Calibration Files

0.5 =F1612051502.D 1 =F1612051503.D 2 =F1612051504.D 5 =F1612051505.D 10 =F1612051506.D

15 =F1612051507.D 25 =F1612051508.D 50 =F1612051509.D 0.5a=F1612051510.D 1.0a=F1612051511.D

2.0a=F1612051512.D 5.0a=F1612051513.D 10a =F1612051514.D 15a =F1612051515.D 25a =F1612051516.D

		Compound	0.5	1	2	5	10	15	25	50	Avg	%RSD
81)	T	3,3'-Dichlorobenzidine	0.336	0.315	0.367	0.373	0.418	0.406			0.369	10.64
82)	T	Benz[a]anthracene	1.063	1.049	1.045	1.107	1.112	1.166	1.100	1.272	1.114	6.74
83)	T	Chrysene	1.052	1.042	1.031	1.067	1.063	1.118	1.022	1.100	1.062	3.12
84)	T	bis(2-Ethylhexyl)phthalat	0.694	0.777	0.818	0.904	0.918	0.929	0.829	1.028	0.862	12.05
85)	I	Perylene-d12	----------ISTD----------									
86)	TC	Di-n-octylphthalate	1.354	1.552	1.669	1.658	1.969	1.965	1.742	2.234	1.768	15.67#
87)	T	Benzo[b]fluoranthene	1.029	1.047	1.077	1.112	1.171	1.224	1.174	1.418	1.157	10.83
88)	T	Benzo[k]fluoranthene	1.070	1.055	1.068	1.093	1.140	1.168	1.071	1.175	1.105	4.38
89)	TC	Benzo[a]pyrene	0.997	1.015	1.046	1.071	1.105	1.150	1.055	1.262	1.088	7.86#
90)	T	Indeno[1,2,3-cd]pyrene	0.728	0.828	0.853	0.898	0.943	1.035	0.977	1.209	0.934	15.65
91)	T	Dibenz[a,h]anthracene	0.725	0.812	0.855	0.906	0.928	1.012	0.970	1.165	0.922	14.50
92)	T	Benzo[g,h,i]perylene	0.788	0.899	0.942	0.959	0.983	1.040	1.021	1.092	0.966	9.70

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	Lab Number	: L1533592	
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01	
Instrument ID	: PAH16	Calibration Date	: 12/31/15 14:13	
Lab File ID	: F1612311506	Init. Calib. Date(s)	: 12/05/15	12/05/15
Sample No	: WG854333-3	Init. Calib. Times	: 09:52	16:39
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	0	0	20	107	-.01
N-Nitrosodimethylamine	0.842	0.783	0	7	20	94	0
Pyridine	1.536	1.454	0	5.3	20	95	0
2-Fluorophenol	1.4	1.23	0	12.1	20	91	0
Benzaldehyde	1.153	0	0	100*	20	0	-4.07
Aniline	2.137	2.093	0	2.1	20	115	0
bis(2-Chloroethyl)ether	1.181	1.088	0	7.9	20	94	0
Phenol-d5	1.888	1.664	0	11.9	20	91	0
Phenol	1.952	1.711	0	12.3	20	91	0
2-Chlorophenol	1.545	1.357	0	12.2	20	92	0
1,3-Dichlorobenzene	1.662	1.44	0	13.4	20	92	0
1,4-Dichlorobenzene	1.674	1.445	0	13.7	20	91	0
1,2-Dichlorobenzene	1.572	1.36	0	13.5	20	91	0
Benzyl alcohol	0.979	0.897	0	8.4	20	93	0
bis(2-chloroisopropyl)eth	2.28	2.116	0	7.2	20	92	0
2-Methylphenol	1.358	1.149	0	15.4	20	89	0
Acetophenone	1.763	0	0	100*	20	0	-4.79
Hexachloroethane	0.702	0.647	0	7.8	20	95	0
N-Nitroso-di-n-propylamin	1.172	1.061	0	9.5	20	92	0
4-Methylphenol	1.476	1.287	0	12.8	20	90	0
Naphthalene-d8	1	1	0	0	20	109	0
Nitrobenzene-d5	0.422	0.405	0	4	20	99	-.01
Nitrobenzene	0.44	0.394	0	10.5	20	92	0
Isophorone	0.652	0.587	0	10	20	93	0
2-Nitrophenol	0.204	0.18	0	11.8	20	91	-.01
2,4-Dimethylphenol	0.313	0.312	0	0.3	20	106	-.01
Benzoic acid	10	8.981	0	10.2	20	97	0
bis(2-Chloroethoxy)methan	0.438	0.38	0	13.2	20	89	-.01
2,4-Dichlorophenol	0.285	0.25	0	12.3	20	92	-.01
1,2,4-Trichlorobenzene	0.304	0.266	0	12.5	20	93	-.01
Naphthalene	1.12	0.981	0	12.4	20	92	0
2-Chloroaniline	0.58	0.519	0	10.5	20	94	-.01
4-Chloroaniline	0.454	0.4	0	11.9	20	95	0
Hexachlorobutadiene	0.153	0.134	0	12.4	20	94	0
Caprolactam	0.102	0	0	100*	20	0	-5.99
4-Chloro-3-methylphenol	0.333	0.298	0	10.5	20	92	-.01
2-Methylnaphthalene	0.727	0.639	0	12.1	20	92	-.01
Acenaphthene-d10	1	1	0	0	20	102	-.01
1,2,4,5-Tetrachlorobenzen	0.546	0.495	0	9.3	20	94	0
Hexachlorocyclopentadiene	10	10.695	0	-7	20	114	0
2,4,6-Trichlorophenol	0.383	0.349	0	8.9	20	92	0
2,4,5-Trichlorophenol	0.397	0.366	0	7.8	20	93	-.01
2-Fluorobiphenyl	1.417	1.386	0	2.2	20	99	0
Biphenyl	1.585	0	0	100*	20	0	-6.73
2-Chloronaphthalene	1.278	1.146	0	10.3	20	92	-.01

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	Lab Number	: L1533592	
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01	
Instrument ID	: PAH16	Calibration Date	: 12/31/15 14:13	
Lab File ID	: F1612311506	Init. Calib. Date(s)	: 12/05/15	12/05/15
Sample No	: WG854333-3	Init. Calib. Times	: 09:52	16:39
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
2-Nitroaniline	0.488	0.468	0	4.1	20	93	-.01
Acenaphthylene	2.202	2.022	0	8.2	20	92	-.01
Dimethylphthalate	1.39	1.276	0	8.2	20	93	0
2,6-Dinitrotoluene	0.325	0.3	0	7.7	20	91	-.01
Acenaphthene	1.385	1.26	0	9	20	91	-.01
3-Nitroaniline	0.379	0.342	0	9.8	20	89	-.01
2,4-Dinitrophenol	10	9.636	0	3.6	20	100	-.01
Dibenzofuran	1.767	1.607	0	9.1	20	91	0
2,3,4,6-Tetrachlorophenol	0.261	0.249	0	4.6	20	94	-.01
2,4-Dinitrotoluene	0.45	0.422	0	6.2	20	92	-.01
4-Nitrophenol	0.21	0.236	0	-12.4	20	103	-.01
Fluorene	1.455	1.356	0	6.8	20	91	-.01
4-Chlorophenyl-phenylethe	0.628	0.587	0	6.5	20	93	-.01
Diethylphthalate	1.495	1.397	0	6.6	20	93	0
4-Nitroaniline	0.366	0.321	0	12.3	20	87	-.01
Phenanthrene-d10	1	1	0	0	20	100	-.01
4,6-Dinitro-2-methylpheno	10	9.141	0	8.6	20	94	-.02
Azobenzene	0.218	0.196	0	10.1	20	91	-.01
n-Nitrosodiphenylamine	0.55	0.47	0	14.5	20	86	-.01
2,4,6-Tribromophenol	0.066	0.056	0	15.2	20	88	-.01
4-Bromophenyl-phenylether	0.168	0.151	0	10.1	20	92	-.02
Hexachlorobenzene	0.167	0.144	0	13.8	20	91	-.02
Atrazine	0.186	0	0	100*	20	0	-8.64
Pentachlorophenol	10	9.759	0	2.4	20	101	-.02
Pentachloronitrobenzene	0.082	0.085	0	-3.7	20	101	-.01
Phenanthrene	1.092	0.993	0	9.1	20	91	-.02
Anthracene	1.063	0.995	0	6.4	20	92	-.02
Carbazole	1.035	0.916	0	11.5	20	87	-.02
Di-n-butylphthalate	1.277	1.223	0	4.2	20	93	-.02
Fluoranthene	1.072	0.984	0	8.2	20	91	-.02
Chrysene-d12	1	1	0	0	20	100	-.01
Benzidine	10	0	0	100*	20	0	-11.33
Pyrene	1.254	1.181	0	5.8	20	91	-.02
Terphenyl-d14	0.744	0.694	0	6.7	20	91	-.02
Butylbenzylphthalate	0.665	0.66	0	0.8	20	93	-.02
3,3'-Dichlorobenzidine	0.369	0	0	100*	20	0	-14.12
Benz[a]anthracene	1.114	1.006	0	9.7	20	90	-.03
Chrysene	1.062	0.958	0	9.8	20	90	-.03
bis(2-Ethylhexyl)phthalat	0.862	0.82	0	4.9	20	89	-.02
Perylene-d12	1	1	0	0	20	100	-.02
Di-n-octylphthalate	1.768	1.818	0	-2.8	20	92	-.02
Benzo[b]fluoranthene	1.157	1.086	0	6.1	20	92	-.02
Benzo[k]fluoranthene	1.105	1.062	0	3.9	20	93	-.02
Benzo[a]pyrene	1.088	1.055	0	3	20	95	-.02
Indeno[1,2,3-cd]pyrene	0.934	0.909	0	2.7	20	96	-.02

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592	
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01	
Instrument ID	: PAH16	**Calibration Date**	: 12/31/15 14:13	
Lab File ID	: F1612311506	**Init. Calib. Date(s)**	: 12/05/15	12/05/15
Sample No	: WG854333-3	**Init. Calib. Times**	: 09:52	16:39
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibenz[a,h]anthracene	0.922	0.886	0	3.9	20	95	-.02
Benzo[g,h,i]perylene	0.966	0.931	0	3.6	20	94	-.02

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	Lab Number	: L1533592	
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01	
Instrument ID	: PAH16	Calibration Date	: 12/31/15 14:42	
Lab File ID	: F1612311507	Init. Calib. Date(s)	: 12/05/15	12/05/15
Sample No	: WG854333-4	Init. Calib. Times	: 09:52	16:39
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	0	0	20	104	-.01
N-Nitrosodimethylamine	0.842	0	0	100*	20	0	-2.46
Pyridine	1.536	0	0	100*	20	0	-2.47
2-Fluorophenol	1.4	0	0	100*	20	0	-3.39
Benzaldehyde	1.153	1.17	0	-1.5	20	88	0
Aniline	2.137	0	0	100*	20	0	-4.15
bis(2-Chloroethyl)ether	1.181	0	0	100*	20	0	-4.21
Phenol-d5	1.888	0	0	100*	20	0	-4.12
Phenol	1.952	0	0	100*	20	0	-4.13
2-Chlorophenol	1.545	0	0	100*	20	0	-4.25
1,3-Dichlorobenzene	1.662	0	0	100*	20	0	-4.38
1,4-Dichlorobenzene	1.674	0	0	100*	20	0	-4.45
1,2-Dichlorobenzene	1.572	0	0	100*	20	0	-4.58
Benzyl alcohol	0.979	0	0	100*	20	0	-4.56
bis(2-chloroisopropyl)eth	2.28	0	0	100*	20	0	-4.67
2-Methylphenol	1.358	0	0	100*	20	0	-4.65
Acetophenone	1.763	1.79	0	-1.5	20	87	0
Hexachloroethane	0.702	0	0	100*	20	0	-4.87
N-Nitroso-di-n-propylamin	1.172	0	0	100*	20	0	-4.79
4-Methylphenol	1.476	0	0	100*	20	0	-4.79
Naphthalene-d8	1	1	0	0	20	108	-.01
Nitrobenzene-d5	0.422	0	0	100*	20	0	-4.93
Nitrobenzene	0.44	0	0	100*	20	0	-4.95
Isophorone	0.652	0	0	100*	20	0	-5.17
2-Nitrophenol	0.204	0	0	100*	20	0	-5.24
2,4-Dimethylphenol	0.313	0	0	100*	20	0	-5.28
Benzoic acid	10	0	0	100*	20	0	-5.39
bis(2-Chloroethoxy)methan	0.438	0	0	100*	20	0	-5.37
2,4-Dichlorophenol	0.285	0	0	100*	20	0	-5.47
1,2,4-Trichlorobenzene	0.304	0	0	100*	20	0	-5.54
Naphthalene	1.12	0	0	100*	20	0	-5.61
2-Chloroaniline	0.58	0	0	100*	20	0	-5.21
4-Chloroaniline	0.454	0	0	100*	20	0	-5.67
Hexachlorobutadiene	0.153	0	0	100*	20	0	-5.72
Caprolactam	0.102	0.103	0	-1	20	86	0
4-Chloro-3-methylphenol	0.333	0	0	100*	20	0	-6.14
2-Methylnaphthalene	0.727	0	0	100*	20	0	-6.28
Acenaphthene-d10	1	1	0	0	20	99	-.01
1,2,4,5-Tetrachlorobenzen	0.546	0	0	100*	20	0	-6.43
Hexachlorocyclopentadiene	10	0	0	100*	20	0	-6.42
2,4,6-Trichlorophenol	0.383	0	0	100*	20	0	-6.55
2,4,5-Trichlorophenol	0.397	0	0	100*	20	0	-6.59
2-Fluorobiphenyl	1.417	0	0	100*	20	0	-6.63
Biphenyl	1.585	1.52	0	4.1	20	88	-.01
2-Chloronaphthalene	1.278	0	0	100*	20	0	-6.75

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	Lab Number	: L1533592	
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01	
Instrument ID	: PAH16	Calibration Date	: 12/31/15 14:42	
Lab File ID	: F1612311507	Init. Calib. Date(s)	: 12/05/15	12/05/15
Sample No	: WG854333-4	Init. Calib. Times	: 09:52	16:39
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
2-Nitroaniline	0.488	0	0	100*	20	0	-6.86
Acenaphthylene	2.202	0	0	100*	20	0	-7.15
Dimethylphthalate	1.39	0	0	100*	20	0	-7.04
2,6-Dinitrotoluene	0.325	0	0	100*	20	0	-7.1
Acenaphthene	1.385	0	0	100*	20	0	-7.32
3-Nitroaniline	0.379	0	0	100*	20	0	-7.26
2,4-Dinitrophenol	10	0	0	100*	20	0	-7.37
Dibenzofuran	1.767	0	0	100*	20	0	-7.49
2,3,4,6-Tetrachlorophenol	0.261	0	0	100*	20	0	-7.62
2,4-Dinitrotoluene	0.45	0	0	100*	20	0	-7.49
4-Nitrophenol	0.21	0	0	100*	20	0	-7.45
Fluorene	1.455	0	0	100*	20	0	-7.85
4-Chlorophenyl-phenylethe	0.628	0	0	100*	20	0	-7.85
Diethylphthalate	1.495	0	0	100*	20	0	-7.74
4-Nitroaniline	0.366	0	0	100*	20	0	-7.89
Phenanthrene-d10	1	1	0	0	20	95	-.02
4,6-Dinitro-2-methylpheno	10	0	0	100*	20	0	-7.92
Azobenzene	0.218	0	0	100*	20	0	-8.03
n-Nitrosodiphenylamine	0.55	0	0	100*	20	0	-7.99
2,4,6-Tribromophenol	0.066	0	0	100*	20	0	-8.12
4-Bromophenyl-phenylether	0.168	0	0	100*	20	0	-8.41
Hexachlorobenzene	0.167	0	0	100*	20	0	-8.48
Atrazine	0.186	0.183	0	1.6	20	89	-.02
Pentachlorophenol	10	0	0	100*	20	0	-8.74
Pentachloronitrobenzene	0.082	0	0	100*	20	0	-8.75
Phenanthrene	1.092	0	0	100*	20	0	-9.03
Anthracene	1.063	0	0	100*	20	0	-9.1
Carbazole	1.035	0	0	100*	20	0	-9.35
Di-n-butylphthalate	1.277	0	0	100*	20	0	-9.95
Fluoranthene	1.072	0	0	100*	20	0	-10.99
Chrysene-d12	1	1	0	0	20	94	-.03
Benzidine	10	8.351	0	16.5	20	80	-.03
Pyrene	1.254	0	0	100*	20	0	-11.42
Terphenyl-d14	0.744	0	0	100*	20	0	-11.83
Butylbenzylphthalate	0.665	0	0	100*	20	0	-13.01
3,3'-Dichlorobenzidine	0.369	0.347	0	6	20	83	-.03
Benz[a]anthracene	1.114	0	0	100*	20	0	-14.08
Chrysene	1.062	0	0	100*	20	0	-14.16
bis(2-Ethylhexyl)phthalat	0.862	0	0	100*	20	0	-14.47
Perylene-d12	1	1	0	0	20	99	-.02
Di-n-octylphthalate	1.768	0	0	100*	20	0	-16.01
Benzo[b]fluoranthene	1.157	0	0	100*	20	0	-16.5
Benzo[k]fluoranthene	1.105	0	0	100*	20	0	-16.56
Benzo[a]pyrene	1.088	0	0	100*	20	0	-17.13
Indeno[1,2,3-cd]pyrene	0.934	0	0	100*	20	0	-19.07

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592	
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01	
Instrument ID	: PAH16	**Calibration Date**	: 12/31/15 14:42	
Lab File ID	: F1612311507	**Init. Calib. Date(s)**	: 12/05/15	12/05/15
Sample No	: WG854333-4	**Init. Calib. Times**	: 09:52	16:39
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibenz[a,h]anthracene	0.922	0	0	100*	20	0	-19.12
Benzo[g,h,i]perylene	0.966	0	0	100*	20	0	-19.47

* Value outside of QC limits.

Internal Standard Area and RT Summary
Form 8

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: PAH16	**Analysis Date**	: 12/31/15 14:13
Sample No	: WG854333-3	**Lab File ID**	: F1612311506

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG854333-3	224892	4.42	886215	5.58	422563	7.27
Upper Limit	449784	4.92	1772430	6.08	845126	7.77
Lower Limit	112446	3.92	443108	5.08	211282	6.77
Sample ID						
WG854333-4 CCAL	217632	4.42	874500	5.58	412620	7.27
WG852537-1 BLANK	213413	4.42	843566	5.58	401947	7.27
WG852537-2 LCS	209720	4.42	827174	5.58	398738	7.27
WG852537-3 LCSD	203599	4.42	791455	5.58	380648	7.27
SW-1A-20151217	204400	4.42	811855	5.58	395398	7.27
SW-1B-20151217	211986	4.42	845942	5.58	403591	7.27
SW-1C-20151217	210868	4.42	835572	5.58	394571	7.27
SW-2A-20151217	190451	4.42	756951	5.58	359524	7.27
SW-2B-20151217	205876	4.42	813840	5.58	387965	7.27
SW-2B-20151217 MS	207250	4.42	796151	5.58	379899	7.27
SW-2B-20151217 MSD	202556	4.42	784512	5.58	378371	7.27
SW-2C-20151217	205681	4.42	812724	5.58	386429	7.27
DUP-20151217	204286	4.42	801450	5.58	385444	7.27
SW-3A-20151217	212918	4.42	834406	5.58	394807	7.27
SW-3B-20151217	204423	4.42	807965	5.58	383940	7.27
SW-3C-20151217	206501	4.42	824250	5.58	389175	7.27
EB20151217	210111	4.42	827791	5.58	392827	7.27

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: PAH16	**Analysis Date**	: 12/31/15 14:13
Sample No	: WG854333-3	**Lab File ID**	: F1612311506

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG854333-3	791341	8.97	677830	14.08	560624	17.21
Upper Limit	1582682	9.47	1355660	14.58	1121248	17.71
Lower Limit	395671	8.47	338915	13.58	280312	16.71
Sample ID						
WG854333-4 CCAL	753289	8.97	638506	14.06	559457	17.21
WG852537-1 BLANK	734355	8.97	616820	14.06	539716	17.21
WG852537-2 LCS	735195	8.97	636734	14.07	520707	17.21
WG852537-3 LCSD	698446	8.97	602972	14.07	490759	17.21
SW-1A-20151217	716244	8.97	602434	14.06	530694	17.20
SW-1B-20151217	729734	8.97	616016	14.06	543466	17.21
SW-1C-20151217	723779	8.97	612386	14.06	538994	17.20
SW-2A-20151217	649238	8.97	538566	14.06	463158	17.20
SW-2B-20151217	699379	8.97	587970	14.06	516493	17.20
SW-2B-20151217 MS	700890	8.97	590453	14.07	497208	17.21
SW-2B-20151217 MSD	692892	8.97	589342	14.07	484262	17.21
SW-2C-20151217	708107	8.97	597134	14.06	522664	17.20
DUP-20151217	692870	8.97	591398	14.06	515316	17.20
SW-3A-20151217	721157	8.97	603076	14.06	531124	17.20
SW-3B-20151217	692884	8.97	578375	14.06	511279	17.20
SW-3C-20151217	709722	8.97	598788	14.06	519071	17.20
EB20151217	716901	8.97	605922	14.06	528692	17.20

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-01	Date Collected	: 12/17/15 11:20
Client ID	: SW-1A-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/22/15 22:00
Sample Matrix	: WATER	Date Extracted	: 12/22/15
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F412221515	Analyst	: SF
Sample Amount	: 970 ml	Instrument ID	: BNA4
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	5.44	10.3	1.82	J
91-57-6	2-Methylnaphthalene	1.52	10.3	1.09	J
208-96-8	Acenaphthylene	ND	10.3	1.82	U
83-32-9	Acenaphthene	ND	10.3	1.66	U
86-73-7	Fluorene	ND	10.3	1.78	U
85-01-8	Phenanthrene	2.48	10.3	1.95	J
120-12-7	Anthracene	ND	10.3	2.00	U
206-44-0	Fluoranthene	ND	10.3	1.54	U
129-00-0	Pyrene	ND	10.3	1.57	U
56-55-3	Benz(a)anthracene	5.99	10.3	1.78	J
218-01-9	Chrysene	ND	10.3	0.965	U
205-99-2	Benzo(b)fluoranthene	7.47	10.3	1.52	J
207-08-9	Benzo(k)fluoranthene	3.12	10.3	1.21	J
50-32-8	Benzo(a)pyrene	6.15	10.3	0.866	J
193-39-5	Indeno(1,2,3-cd)pyrene	6.64	10.3	0.549	J
53-70-3	Dibenz(a,h)anthracene	5.28	10.3	0.706	J
191-24-2	Benzo(g,h,i)perylene	5.14	10.3	1.35	J

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-02	Date Collected	: 12/17/15 11:15
Client ID	: SW-1B-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/22/15 22:30
Sample Matrix	: WATER	Date Extracted	: 12/22/15
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F412221516	Analyst	: SF
Sample Amount	: 980 ml	Instrument ID	: BNA4
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	4.81	10.2	1.81	J
91-57-6	2-Methylnaphthalene	1.43	10.2	1.08	J
208-96-8	Acenaphthylene	ND	10.2	1.81	U
83-32-9	Acenaphthene	ND	10.2	1.64	U
86-73-7	Fluorene	ND	10.2	1.76	U
85-01-8	Phenanthrene	2.50	10.2	1.93	J
120-12-7	Anthracene	ND	10.2	1.98	U
206-44-0	Fluoranthene	2.05	10.2	1.52	J
129-00-0	Pyrene	ND	10.2	1.55	U
56-55-3	Benz(a)anthracene	5.11	10.2	1.76	J
218-01-9	Chrysene	ND	10.2	0.955	U
205-99-2	Benzo(b)fluoranthene	8.04	10.2	1.51	J
207-08-9	Benzo(k)fluoranthene	3.30	10.2	1.19	J
50-32-8	Benzo(a)pyrene	6.49	10.2	0.857	J
193-39-5	Indeno(1,2,3-cd)pyrene	7.01	10.2	0.544	J
53-70-3	Dibenz(a,h)anthracene	5.28	10.2	0.699	J
191-24-2	Benzo(g,h,i)perylene	5.59	10.2	1.34	J

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-03	Date Collected	: 12/17/15 10:50
Client ID	: SW-1C-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/22/15 23:01
Sample Matrix	: WATER	Date Extracted	: 12/22/15
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F412221517	Analyst	: SF
Sample Amount	: 920 ml	Instrument ID	: BNA4
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	4.88	10.9	1.92	J
91-57-6	2-Methylnaphthalene	1.32	10.9	1.15	J
208-96-8	Acenaphthylene	ND	10.9	1.92	U
83-32-9	Acenaphthene	ND	10.9	1.75	U
86-73-7	Fluorene	ND	10.9	1.88	U
85-01-8	Phenanthrene	2.97	10.9	2.05	J
120-12-7	Anthracene	ND	10.9	2.11	U
206-44-0	Fluoranthene	ND	10.9	1.62	U
129-00-0	Pyrene	ND	10.9	1.65	U
56-55-3	Benz(a)anthracene	ND	10.9	1.88	U
218-01-9	Chrysene	ND	10.9	1.02	U
205-99-2	Benzo(b)fluoranthene	8.05	10.9	1.61	J
207-08-9	Benzo(k)fluoranthene	3.13	10.9	1.27	J
50-32-8	Benzo(a)pyrene	ND	10.9	0.913	U
193-39-5	Indeno(1,2,3-cd)pyrene	6.98	10.9	0.579	J
53-70-3	Dibenz(a,h)anthracene	ND	10.9	0.744	U
191-24-2	Benzo(g,h,i)perylene	5.58	10.9	1.42	J

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-04	Date Collected	: 12/17/15 11:45
Client ID	: SW-2A-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/22/15 23:31
Sample Matrix	: WATER	Date Extracted	: 12/22/15
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F412221518	Analyst	: SF
Sample Amount	: 1000 ml	Instrument ID	: BNA4
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	9.00	10.0	1.77	J
91-57-6	2-Methylnaphthalene	2.36	10.0	1.06	J
208-96-8	Acenaphthylene	ND	10.0	1.77	U
83-32-9	Acenaphthene	1.96	10.0	1.61	J
86-73-7	Fluorene	ND	10.0	1.73	U
85-01-8	Phenanthrene	3.99	10.0	1.89	J
120-12-7	Anthracene	ND	10.0	1.94	U
206-44-0	Fluoranthene	3.03	10.0	1.49	J
129-00-0	Pyrene	2.00	10.0	1.52	J
56-55-3	Benz(a)anthracene	5.13	10.0	1.73	J
218-01-9	Chrysene	1.16	10.0	0.936	J
205-99-2	Benzo(b)fluoranthene	7.90	10.0	1.48	J
207-08-9	Benzo(k)fluoranthene	3.64	10.0	1.17	J
50-32-8	Benzo(a)pyrene	6.60	10.0	0.840	J
193-39-5	Indeno(1,2,3-cd)pyrene	7.07	10.0	0.533	J
53-70-3	Dibenz(a,h)anthracene	5.29	10.0	0.685	J
191-24-2	Benzo(g,h,i)perylene	5.63	10.0	1.31	J

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-05	Date Collected	: 12/17/15 11:55
Client ID	: SW-2B-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/23/15 00:02
Sample Matrix	: WATER	Date Extracted	: 12/22/15
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F412221519	Analyst	: SF
Sample Amount	: 1000 ml	Instrument ID	: BNA4
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	6.15	10.0	1.77	J
91-57-6	2-Methylnaphthalene	1.69	10.0	1.06	J
208-96-8	Acenaphthylene	ND	10.0	1.77	U
83-32-9	Acenaphthene	ND	10.0	1.61	U
86-73-7	Fluorene	ND	10.0	1.73	U
85-01-8	Phenanthrene	3.03	10.0	1.89	J
120-12-7	Anthracene	ND	10.0	1.94	U
206-44-0	Fluoranthene	1.63	10.0	1.49	J
129-00-0	Pyrene	ND	10.0	1.52	U
56-55-3	Benz(a)anthracene	4.82	10.0	1.73	J
218-01-9	Chrysene	ND	10.0	0.936	U
205-99-2	Benzo(b)fluoranthene	7.72	10.0	1.48	J
207-08-9	Benzo(k)fluoranthene	3.17	10.0	1.17	J
50-32-8	Benzo(a)pyrene	6.27	10.0	0.840	J
193-39-5	Indeno(1,2,3-cd)pyrene	6.75	10.0	0.533	J
53-70-3	Dibenz(a,h)anthracene	ND	10.0	0.685	U
191-24-2	Benzo(g,h,i)perylene	5.26	10.0	1.31	J

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-06	Date Collected	: 12/17/15 12:15
Client ID	: SW-2C-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/23/15 01:33
Sample Matrix	: WATER	Date Extracted	: 12/22/15
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F412221522	Analyst	: SF
Sample Amount	: 990 ml	Instrument ID	: BNA4
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	6.03	10.1	1.79	J
91-57-6	2-Methylnaphthalene	1.64	10.1	1.07	J
208-96-8	Acenaphthylene	ND	10.1	1.79	U
83-32-9	Acenaphthene	ND	10.1	1.63	U
86-73-7	Fluorene	ND	10.1	1.75	U
85-01-8	Phenanthrene	2.76	10.1	1.91	J
120-12-7	Anthracene	ND	10.1	1.96	U
206-44-0	Fluoranthene	2.08	10.1	1.50	J
129-00-0	Pyrene	ND	10.1	1.54	U
56-55-3	Benz(a)anthracene	5.05	10.1	1.75	J
218-01-9	Chrysene	ND	10.1	0.945	U
205-99-2	Benzo(b)fluoranthene	7.82	10.1	1.49	J
207-08-9	Benzo(k)fluoranthene	3.51	10.1	1.18	J
50-32-8	Benzo(a)pyrene	6.43	10.1	0.848	J
193-39-5	Indeno(1,2,3-cd)pyrene	6.97	10.1	0.538	J
53-70-3	Dibenz(a,h)anthracene	ND	10.1	0.692	U
191-24-2	Benzo(g,h,i)perylene	5.60	10.1	1.32	J

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-07	Date Collected	: 12/17/15 00:00
Client ID	: DUP-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/23/15 02:04
Sample Matrix	: WATER	Date Extracted	: 12/22/15
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F412221523	Analyst	: SF
Sample Amount	: 1000 ml	Instrument ID	: BNA4
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	5.12	10.0	1.77	J
91-57-6	2-Methylnaphthalene	1.49	10.0	1.06	J
208-96-8	Acenaphthylene	ND	10.0	1.77	U
83-32-9	Acenaphthene	ND	10.0	1.61	U
86-73-7	Fluorene	ND	10.0	1.73	U
85-01-8	Phenanthrene	2.34	10.0	1.89	J
120-12-7	Anthracene	ND	10.0	1.94	U
206-44-0	Fluoranthene	ND	10.0	1.49	U
129-00-0	Pyrene	ND	10.0	1.52	U
56-55-3	Benz(a)anthracene	ND	10.0	1.73	U
218-01-9	Chrysene	ND	10.0	0.936	U
205-99-2	Benzo(b)fluoranthene	7.29	10.0	1.48	J
207-08-9	Benzo(k)fluoranthene	2.89	10.0	1.17	J
50-32-8	Benzo(a)pyrene	6.04	10.0	0.840	J
193-39-5	Indeno(1,2,3-cd)pyrene	6.45	10.0	0.533	J
53-70-3	Dibenz(a,h)anthracene	ND	10.0	0.685	U
191-24-2	Benzo(g,h,i)perylene	5.07	10.0	1.31	J

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-09	Date Collected	: 12/17/15 14:10
Client ID	: SW-3A-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/23/15 02:34
Sample Matrix	: WATER	Date Extracted	: 12/22/15
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F412221524	Analyst	: SF
Sample Amount	: 960 ml	Instrument ID	: BNA4
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	4.76	10.4	1.84	J
91-57-6	2-Methylnaphthalene	1.30	10.4	1.10	J
208-96-8	Acenaphthylene	ND	10.4	1.84	U
83-32-9	Acenaphthene	ND	10.4	1.68	U
86-73-7	Fluorene	ND	10.4	1.80	U
85-01-8	Phenanthrene	2.20	10.4	1.97	J
120-12-7	Anthracene	ND	10.4	2.02	U
206-44-0	Fluoranthene	ND	10.4	1.55	U
129-00-0	Pyrene	ND	10.4	1.58	U
56-55-3	Benz(a)anthracene	ND	10.4	1.80	U
218-01-9	Chrysene	ND	10.4	0.975	U
205-99-2	Benzo(b)fluoranthene	7.58	10.4	1.54	J
207-08-9	Benzo(k)fluoranthene	3.00	10.4	1.22	J
50-32-8	Benzo(a)pyrene	6.26	10.4	0.875	J
193-39-5	Indeno(1,2,3-cd)pyrene	6.60	10.4	0.555	J
53-70-3	Dibenz(a,h)anthracene	ND	10.4	0.714	U
191-24-2	Benzo(g,h,i)perylene	5.22	10.4	1.36	J

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-10	Date Collected	: 12/17/15 14:20
Client ID	: SW-3B-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/23/15 13:10
Sample Matrix	: WATER	Date Extracted	: 12/22/15
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F412231503	Analyst	: SF
Sample Amount	: 990 ml	Instrument ID	: BNA4
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	5.03	10.1	1.79	J
91-57-6	2-Methylnaphthalene	1.30	10.1	1.07	J
208-96-8	Acenaphthylene	ND	10.1	1.79	U
83-32-9	Acenaphthene	ND	10.1	1.63	U
86-73-7	Fluorene	ND	10.1	1.75	U
85-01-8	Phenanthrene	2.34	10.1	1.91	J
120-12-7	Anthracene	ND	10.1	1.96	U
206-44-0	Fluoranthene	ND	10.1	1.50	U
129-00-0	Pyrene	ND	10.1	1.54	U
56-55-3	Benz(a)anthracene	4.94	10.1	1.75	J
218-01-9	Chrysene	ND	10.1	0.945	U
205-99-2	Benzo(b)fluoranthene	7.46	10.1	1.49	J
207-08-9	Benzo(k)fluoranthene	2.95	10.1	1.18	J
50-32-8	Benzo(a)pyrene	6.17	10.1	0.848	J
193-39-5	Indeno(1,2,3-cd)pyrene	6.60	10.1	0.538	J
53-70-3	Dibenz(a,h)anthracene	5.20	10.1	0.692	J
191-24-2	Benzo(g,h,i)perylene	5.29	10.1	1.32	J

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SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-11	Date Collected	: 12/17/15 14:25
Client ID	: SW-3C-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/23/15 13:40
Sample Matrix	: WATER	Date Extracted	: 12/22/15
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F412231504	Analyst	: SF
Sample Amount	: 990 ml	Instrument ID	: BNA4
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	6.11	10.1	1.79	J
91-57-6	2-Methylnaphthalene	1.72	10.1	1.07	J
208-96-8	Acenaphthylene	ND	10.1	1.79	U
83-32-9	Acenaphthene	ND	10.1	1.63	U
86-73-7	Fluorene	ND	10.1	1.75	U
85-01-8	Phenanthrene	2.86	10.1	1.91	J
120-12-7	Anthracene	ND	10.1	1.96	U
206-44-0	Fluoranthene	1.55	10.1	1.50	J
129-00-0	Pyrene	ND	10.1	1.54	U
56-55-3	Benz(a)anthracene	ND	10.1	1.75	U
218-01-9	Chrysene	ND	10.1	0.945	U
205-99-2	Benzo(b)fluoranthene	7.45	10.1	1.49	J
207-08-9	Benzo(k)fluoranthene	3.03	10.1	1.18	J
50-32-8	Benzo(a)pyrene	6.14	10.1	0.848	J
193-39-5	Indeno(1,2,3-cd)pyrene	6.56	10.1	0.538	J
53-70-3	Dibenz(a,h)anthracene	ND	10.1	0.692	U
191-24-2	Benzo(g,h,i)perylene	5.17	10.1	1.32	J

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SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-12	Date Collected	: 12/17/15 16:00
Client ID	: EB20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/23/15 14:11
Sample Matrix	: WATER	Date Extracted	: 12/22/15
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F412231505	Analyst	: SF
Sample Amount	: 1000 ml	Instrument ID	: BNA4
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	5.65	10.0	1.77	J
91-57-6	2-Methylnaphthalene	2.08	10.0	1.06	J
208-96-8	Acenaphthylene	ND	10.0	1.77	U
83-32-9	Acenaphthene	ND	10.0	1.61	U
86-73-7	Fluorene	ND	10.0	1.73	U
85-01-8	Phenanthrene	ND	10.0	1.89	U
120-12-7	Anthracene	ND	10.0	1.94	U
206-44-0	Fluoranthene	ND	10.0	1.49	U
129-00-0	Pyrene	ND	10.0	1.52	U
56-55-3	Benz(a)anthracene	ND	10.0	1.73	U
218-01-9	Chrysene	ND	10.0	0.936	U
205-99-2	Benzo(b)fluoranthene	7.16	10.0	1.48	J
207-08-9	Benzo(k)fluoranthene	2.80	10.0	1.17	J
50-32-8	Benzo(a)pyrene	5.91	10.0	0.840	J
193-39-5	Indeno(1,2,3-cd)pyrene	6.34	10.0	0.533	J
53-70-3	Dibenz(a,h)anthracene	ND	10.0	0.685	U
191-24-2	Benzo(g,h,i)perylene	4.91	10.0	1.31	J

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: WG851972-1	Date Collected	: NA
Client ID	: WG851972-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/22/15 20:28
Sample Matrix	: WATER	Date Extracted	: 12/22/15
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F412221512	Analyst	: SF
Sample Amount	: 1000 ml	Instrument ID	: BNA4
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	ND	10.0	1.77	U
91-57-6	2-Methylnaphthalene	ND	10.0	1.06	U
208-96-8	Acenaphthylene	ND	10.0	1.77	U
83-32-9	Acenaphthene	ND	10.0	1.61	U
86-73-7	Fluorene	ND	10.0	1.73	U
85-01-8	Phenanthrene	ND	10.0	1.89	U
120-12-7	Anthracene	ND	10.0	1.94	U
206-44-0	Fluoranthene	ND	10.0	1.49	U
129-00-0	Pyrene	ND	10.0	1.52	U
56-55-3	Benz(a)anthracene	ND	10.0	1.73	U
218-01-9	Chrysene	ND	10.0	0.936	U
205-99-2	Benzo(b)fluoranthene	7.12	10.0	1.48	J
207-08-9	Benzo(k)fluoranthene	2.77	10.0	1.17	J
50-32-8	Benzo(a)pyrene	ND	10.0	0.840	U
193-39-5	Indeno(1,2,3-cd)pyrene	6.23	10.0	0.533	J
53-70-3	Dibenz(a,h)anthracene	ND	10.0	0.685	U
191-24-2	Benzo(g,h,i)perylene	ND	10.0	1.31	U

Form 2
Surrogate Recovery
SEMIVOLATILES

Client: Anchor QEA, LLC
Project Name: FORMER GLEN FALLS OU-2

Lab Number: L1533592
Project Number: E50593-01.01
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 ()	S2 ()	S3 ()	S4 ()	S5 ()	S6 ()	TOT OUT
DUP-20151217 (L1533592-07)	82	67	77	--	--	--	0
EB20151217 (L1533592-12)	83	72	85	--	--	--	0
WG851972-3LCSD	81	71	81	--	--	--	0
WG851972-2LCS	87	76	82	--	--	--	0
WG851972-1BLANK	84	72	86	--	--	--	0
SW-2B-20151217MS	82	68	79	--	--	--	0
SW-2B-20151217MSD	83	72	78	--	--	--	0
SW-1A-20151217 (L1533592-01)	80	67	77	--	--	--	0
SW-1B-20151217 (L1533592-02)	83	69	80	--	--	--	0
SW-1C-20151217 (L1533592-03)	81	69	76	--	--	--	0
SW-2A-20151217 (L1533592-04)	79	67	75	--	--	--	0
SW-2B-20151217 (L1533592-05)	81	67	77	--	--	--	0
SW-2C-20151217 (L1533592-06)	80	69	77	--	--	--	0
SW-3A-20151217 (L1533592-09)	80	69	77	--	--	--	0
SW-3B-20151217 (L1533592-10)	83	69	80	--	--	--	0
SW-3C-20151217 (L1533592-11)	82	73	79	--	--	--	0

	QC LIMITS
S1 = PYRENE-D10	(30-130)
S2 = 2-METHYLNAPHTHALENE-D10	(30-130)
S3 = BENZO(B)FLUORANTHENE-D12	(30-130)

*** Values outside of QC limits**

FORM II A2-PAH-8270SIM

Laboratory Control Sample
Form 3

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Matrix	: WATER		
LCS Sample ID	: WG851972-2 **Analysis Date :** 12/22/15 20:59	**File ID**	: F412221513
LCSD Sample ID	: WG851972-3 **Analysis Date :** 12/22/15 21:29	**File ID**	: F412221514

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
Naphthalene	500	372.	74	500	349.	70	6	40-140	30
2-Methylnaphthalene	500	405.	81	500	383.	76	6	40-140	30
Acenaphthylene	500	432.	86	500	405.	81	6	40-140	30
Acenaphthene	500	394.	79	500	368.	74	7	40-140	30
Fluorene	500	427.	85	500	404.	81	5	40-140	30
Phenanthrene	500	429.	86	500	407.	81	6	40-140	30
Anthracene	500	443.	88	500	427.	85	3	40-140	30
Fluoranthene	500	451.	90	500	442.	88	2	40-140	30
Pyrene	500	428.	86	500	406.	81	6	40-140	30
Benz(a)anthracene	500	443.	89	500	418.	84	6	40-140	30
Chrysene	500	426.	85	500	418.	84	1	40-140	30
Benzo(b)fluoranthene	500	408.	82	500	389.	78	5	40-140	30
Benzo(k)fluoranthene	500	439.	88	500	442.	88	0	40-140	30
Benzo(a)pyrene	500	410.	82	500	395.	79	4	40-140	30
Indeno(1,2,3-cd)pyrene	500	423.	85	500	423.	85	0	40-140	30
Dibenz(a,h)anthracene	500	418.	84	500	400.	80	5	40-140	30
Benzo(g,h,i)perylene	500	416.	83	500	397.	79	5	40-140	30

Matrix Spike
Form 3

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Client Sample ID	: SW-2B-20151217	Matrix	: WATER
Lab Sample ID	: L1533592-05	Analysis Date	: 12/23/15 00:02
Matrix Spike	: WG851972-4	MS Analysis Date	: 12/23/15 00:32
Matrix Spike Dup	: WG851972-5	MSD Analysis Date	: 12/23/15 01:02

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD	Recovery Limits	RPD Limit
Naphthalene	6.15J	532	373.	70	556	404.	73	8	40-140	30
2-Methylnaphthalene	1.69J	532	397.	75	556	437.	79	10	40-140	30
Acenaphthylene	ND	532	427.	80	556	456.	82	7	40-140	30
Acenaphthene	ND	532	387.	73	556	412.	74	6	40-140	30
Fluorene	ND	532	422.	79	556	449.	81	6	40-140	30
Phenanthrene	3.03J	532	435.	82	556	475.	86	9	40-140	30
Anthracene	ND	532	441.	83	556	464.	84	5	40-140	30
Fluoranthene	1.63J	532	467.	88	556	494.	89	6	40-140	30
Pyrene	ND	532	431.	81	556	460.	83	7	40-140	30
Benz(a)anthracene	4.82J	532	444.	84	556	482.	87	8	40-140	30
Chrysene	ND	532	422.	79	556	440.	79	4	40-140	30
Benzo(b)fluoranthene	7.72J	532	385.	72	556	420.	76	9	40-140	30
Benzo(k)fluoranthene	3.17J	532	414.	78	556	427.	77	3	40-140	30
Benzo(a)pyrene	6.27J	532	378.	71	556	402.	72	6	40-140	30
Indeno(1,2,3-cd)pyrene	6.75J	532	331.	62	556	375.	68	12	40-140	30
Dibenz(a,h)anthracene	ND	532	290.	54	556	311.	56	7	40-140	30
Benzo(g,h,i)perylene	5.26J	532	296.	56	556	317.	57	7	40-140	30

Method Blank Summary
Form 4

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab Sample ID	: WG851972-1	**Lab File ID**	: F412221512
Instrument ID	: BNA4	**Extraction Date**	: 12/22/15
Matrix	: WATER	**Analysis Date**	: 12/22/15 20:28
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG851972-2LCS	WG851972-2	12/22/15 20:59
WG851972-3LCSD	WG851972-3	12/22/15 21:29
SW-1A-20151217	L1533592-01	12/22/15 22:00
SW-1B-20151217	L1533592-02	12/22/15 22:30
SW-1C-20151217	L1533592-03	12/22/15 23:01
SW-2A-20151217	L1533592-04	12/22/15 23:31
SW-2B-20151217	L1533592-05	12/23/15 00:02
SW-2B-20151217MS	WG851972-4	12/23/15 00:32
SW-2B-20151217MSD	WG851972-5	12/23/15 01:02
SW-2C-20151217	L1533592-06	12/23/15 01:33
DUP-20151217	L1533592-07	12/23/15 02:04
SW-3A-20151217	L1533592-09	12/23/15 02:34
SW-3B-20151217	L1533592-10	12/23/15 13:10
SW-3C-20151217	L1533592-11	12/23/15 13:40
EB20151217	L1533592-12	12/23/15 14:11

Instrument Performance Check
Decafluorotriphenylphosphine (DFTPP)
Form 5

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: BNA4	**Analysis Date**	: 12/17/15 17:31
Tune Standard	: R825003-10	**Tune File ID**	: F412171515_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	32.6
68	Less than 2.0% of mass 69	0.2 (.6)1
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	51.4
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	23.9
365	Greater than 1.0% of mass 198	2.5
441	Present, but less than 24% of mass 442	16.8
442	Base Peak, or >50% of mass 198	51.5
443	15.0 - 24.0% of mass 442	10 (19.4)2

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

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD 10	R825003-2	F412171516	12/17/15 18:02
STD 20	R825003-3	F412171517	12/17/15 18:33
STD 100	R825003-4	F412171518	12/17/15 19:03
STD 200	R825003-5	F412171519	12/17/15 19:34
STD 500	R825003-1	F412171520	12/17/15 20:05
STD 1000	R825003-6	F412171521	12/17/15 20:36
STD 2000	R825003-8	F412171522	12/17/15 21:06
STD 5000	R825003-7	F412171523	12/17/15 21:37
ICV Quant Report STD 500	R825003-9	F412171524	12/17/15 22:07

Instrument Performance Check
Decafluorotriphenylphosphine (DFTPP)
Form 5

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: BNA4	**Analysis Date**	: 12/22/15 19:28
Tune Standard	: WG852216-4	**Tune File ID**	: F412221510_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	29.5
68	Less than 2.0% of mass 69	0.1 (.2)1
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	48.1
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	24.7
365	Greater than 1.0% of mass 198	2.6
441	Present, but less than 24% of mass 442	17.5
442	Base Peak, or >50% of mass 198	62.8
443	15.0 - 24.0% of mass 442	12.4 (19.7)2

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

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG852216-6CCAL	WG852216-6	F412221511	12/22/15 19:58
WG851972-1BLANK	WG851972-1	F412221512	12/22/15 20:28
WG851972-2LCS	WG851972-2	F412221513	12/22/15 20:59
WG851972-3LCSD	WG851972-3	F412221514	12/22/15 21:29
SW-1A-20151217	L1533592-01	F412221515	12/22/15 22:00
SW-1B-20151217	L1533592-02	F412221516	12/22/15 22:30
SW-1C-20151217	L1533592-03	F412221517	12/22/15 23:01
SW-2A-20151217	L1533592-04	F412221518	12/22/15 23:31
SW-2B-20151217	L1533592-05	F412221519	12/23/15 00:02
WG851972-4MS	WG851972-4	F412221520	12/23/15 00:32
WG851972-5MSD	WG851972-5	F412221521	12/23/15 01:02
SW-2C-20151217	L1533592-06	F412221522	12/23/15 01:33
DUP-20151217	L1533592-07	F412221523	12/23/15 02:04
SW-3A-20151217	L1533592-09	F412221524	12/23/15 02:34

Instrument Performance Check
Decafluorotriphenylphosphine (DFTPP)
Form 5

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: BNA4	**Analysis Date**	: 12/23/15 11:46
Tune Standard	: WG852216-7	**Tune File ID**	: F412231501_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	28.8
68	Less than 2.0% of mass 69	0.5 (1.7)1
70	Less than 2.0% of mass 69	0.1 (.3)1
127	10.0 - 80.0% of Base Peak	46.6
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 60.0% of Base Peak	25.2
365	Greater than 1.0% of mass 198	2.6
441	Present, but less than 24% of mass 442	16.8
442	Base Peak, or >50% of mass 198	71.6
443	15.0 - 24.0% of mass 442	13.5 (18.8)2

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

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG852216-9CCAL	WG852216-9	F412231502	12/23/15 12:16
SW-3B-20151217	L1533592-10	F412231503	12/23/15 13:10
SW-3C-20151217	L1533592-11	F412231504	12/23/15 13:40
EB20151217	L1533592-12	F412231505	12/23/15 14:11

Initial Calibration Summary
Form 6

Client	**: Anchor QEA, LLC**	**Lab Number**	**: L1533592**
Project Name	**: FORMER GLEN FALLS OU-2**	**Project Number**	**: E50593-01.01**
Instrument ID	**: BNA4**	**Ical Ref**	**: ICAL11859**
Calibration dates	**: 12/17/15 18:02 12/17/15 21:37**		

Calibration Files
10 =F412171516.D 20 =F412171517.D 100 =F412171518.D 200 =F412171519.D 500 =F412171520.D
1000=F412171521.D 2000=F412171522.D 5000=F412171523.D

		Compound	10	20	100	200	500	1000	2000	5000	Avg	%RSD
1)	i	Naphthalene-d8	----------ISTD----------									
2)	t	Naphthalene	1.190	1.128	0.997	1.042	1.027	0.996	1.031	1.023	1.054	6.49
3)	t	1,4-Dichlorobenzene	0.518	0.475	0.414	0.435	0.416	0.408	0.422		0.441	9.26
4)	s	2-Methylnaphthalene-d10	0.517	0.512	0.513	0.551	0.559	0.535	0.565	0.578	0.541	4.72
5)	t	2-Methylnaphthalene	0.665	0.645	0.622	0.668	0.668	0.647	0.679	0.697	0.661	3.48
6)	t	1-Methylnaphthalene	0.621	0.622	0.594	0.635	0.628	0.612	0.646	0.658	0.627	3.17
7)	i	Acenaphthene-d10	----------ISTD----------									
8)	t	Dibenzothiophene	1.908	1.903	1.919	2.080	2.128	2.053	2.179		2.024	5.63
9)		2-Chloronaphthalene	1.350	1.352	1.351	1.436	1.446	1.384	1.481		1.400	3.86
10)	t	Biphenyl	1.736	1.712	1.655	1.751	1.754	1.706	1.796		1.730	2.57
11)	t	2,6-Dimethylnaphthalene	1.081	1.099	1.105	1.195	1.218	1.183	1.261		1.163	5.90
12)	t	Acenaphthylene	1.784	1.766	1.823	2.042	2.149	2.107	2.278		1.993	10.14
13)	t	Acenaphthene	1.442	1.368	1.282	1.373	1.348	1.301	1.382		1.357	3.94
14)	t	Dibenzofuran	1.941	1.909	1.820	1.935	1.917	1.854	1.961		1.905	2.64
15)	t	Fluorene	1.400	1.360	1.388	1.507	1.522	1.479	1.574		1.461	5.47
16)	t	2,3,5-Trimethylnaphthalen	0.923	0.961	0.967	1.050	1.084	1.058	1.121		1.023	7.18
17)	i	Phenanthrene-d10	----------ISTD----------									
18)	s	Fluoranthene-d10	0.666	0.675	0.753	0.823	0.886	0.847	0.878	0.867	0.799	11.23
19)	t	Phenanthrene	1.179	1.123	1.048	1.095	1.095	1.060	1.102		1.100	3.90
20)	t	Anthracene	0.877	0.901	0.971	1.063	1.062	1.085	1.125		1.012	9.49
21)	t	Carbazole	0.878	0.849	0.925	1.017	1.059	1.027	1.063		0.974	9.10
22)	t	1-Methylphenanthrene	0.638	0.647	0.696	0.744	0.795	0.761	0.793		0.725	9.05
23)	t	Fluoranthene	0.924	0.970	1.067	1.152	1.202	1.149	1.189		1.093	10.04
24)	i	Chrysene-d12	----------ISTD----------									
25)	s	Pyrene-d10	0.796	0.820	0.911	1.016	1.038	1.014	1.072	1.095	0.970	11.75
26)	t	Pyrene	1.290	1.326	1.446	1.585	1.589	1.554	1.666		1.494	9.57
27)	t	Benz[a]anthracene	0.984	0.908	0.955	1.083	1.187	1.142	1.240		*L	0.9975
28)	t	Chrysene	1.147	1.105	1.132	1.216	1.173	1.153	1.199		1.161	3.31
29)	i	Perylene-d12	----------ISTD----------									
30)	s	Benzo(a)pyrene-d12	0.478	0.497	0.620	0.717	0.783	0.756	0.805	0.828	*Q	0.9995
31)	s	Benzo[b]fluoranthene-d12	0.632	0.654	0.743	0.840	0.914	0.880	0.932	0.953	0.819	15.44
32)	t	Benzo[b]fluoranthene	0.864	0.929	1.079	1.199	1.441	1.335	1.485		*L	0.9959
33)	t	Benzo[k]fluoranthene	0.868	0.945	1.070	1.204	1.148	1.162	1.131		*L	0.9995
34)	t	Benzo[e]pyrene	0.828	0.862	0.989	1.107	1.190	1.138	1.209		*L	0.9988
35)	t	Benzo[a]pyrene	0.768	0.838	1.061	1.203	1.253	1.227	1.285		*L	0.9992
36)	t	Perylene	1.143	1.126	1.181	1.252	1.254	1.214	1.256		1.204	4.54
37)	t	Indeno[1,2,3-cd]pyrene	0.759	0.753	0.847	0.964	1.079	1.083	1.139		*L	0.9977
38)	t	Dibenz[a,h]anthracene	0.787	0.828	0.941	1.057	1.139	1.102	1.162		*L	0.9988
39)	t	Benzo[g,h,i]perylene	0.820	0.899	0.996	1.118	1.180	1.154	1.210		*L	0.9991

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	Lab Number	: L1533592	
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01	
Instrument ID	: BNA4	Calibration Date	: 12/22/15 19:58	
Lab File ID	: F412221511	Init. Calib. Date(s)	: 12/17/15	12/17/15
Sample No	: WG852216-6	Init. Calib. Times	: 18:02	21:37
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Naphthalene-d8	1	1	0.01	0	20	109	0
Naphthalene	1.054	1.034	0.01	1.9	20	110	0
1,4-Dichlorobenzene	0.441	0.421	0.01	4.5	20	110	0
2-Methylnaphthalene-d10	0.541	0.561	0.01	-3.7	20	109	0
2-Methylnaphthalene	0.661	0.685	0.01	-3.6	20	112	0
1-Methylnaphthalene	0.627	0.645	0.01	-2.9	20	112	0
Acenaphthene-d10	1	1	0.01	0	20	112	0
Dibenzothiophene	2.024	2.134	0.01	-5.4	20	113	0
2-Chloronaphthalene	1.4	1.42	0.01	-1.4	20	110	0
Biphenyl	1.73	1.734	0.01	-0.2	20	111	0
2,6-Dimethylnaphthalene	1.163	1.214	0.01	-4.4	20	112	0
Acenaphthylene	1.993	2.236	0.01	-12.2	20	117	0
Acenaphthene	1.357	1.343	0.01	1	20	112	0
Dibenzofuran	1.905	1.872	0.01	1.7	20	110	0
Fluorene	1.461	1.542	0.01	-5.5	20	114	0
2,3,5-Trimethylnaphthalen	1.023	1.08	0.01	-5.6	20	112	0
Phenanthrene-d10	1	1	0.01	0	20	112	0
Fluoranthene-d10	0.799	0.887	0.01	-11	20	112	0
Phenanthrene	1.1	1.137	0.01	-3.4	20	116	0
Anthracene	1.012	1.181	0.01	-16.7	20	124	0
Carbazole	0.974	1.108	0.01	-13.8	20	117	0
1-Methylphenanthrene	0.725	0.813	0.01	-12.1	20	114	0
Fluoranthene	1.093	1.22	0.01	-11.6	20	113	0
Chrysene-d12	1	1	0.01	0	20	110	0
Pyrene-d10	0.97	1.072	0.01	-10.5	20	113	0
Pyrene	1.494	1.676	0.01	-12.2	20	116	0
Benz[a]anthracene	500	520.325	0.01	-4.1	20	114	0
Chrysene	1.161	1.235	0.01	-6.4	20	115	0
Perylene-d12	1	1	0.01	0	20	114	0
Benzo(a)pyrene-d12	500	512.179	0.01	-2.4	20	114	0
Benzo[b]fluoranthene-d12	0.819	0.906	0.01	-10.6	20	113	0
Benzo[b]fluoranthene	500	487.967	0.01	2.4	20	108	0
Benzo[k]fluoranthene	500	531.219	0.01	-6.2	20	120	0
Benzo[e]pyrene	500	505.429	0.01	-1.1	20	113	0
Benzo[a]pyrene	500	517.588	0.01	-3.5	20	118	0
Perylene	1.204	1.277	0.01	-6.1	20	116	0
Indeno[1,2,3-cd]pyrene	500	530.688	0.01	-6.1	20	123	0
Dibenz[a,h]anthracene	500	507.146	0.01	-1.4	20	114	0
Benzo[g,h,i]perylene	500	507.964	0.01	-1.6	20	115	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	Lab Number	: L1533592	
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01	
Instrument ID	: BNA4	Calibration Date	: 12/23/15 12:16	
Lab File ID	: F412231502	Init. Calib. Date(s)	: 12/17/15	12/17/15
Sample No	: WG852216-9	Init. Calib. Times	: 18:02	21:37
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Naphthalene-d8	1	1	0.01	0	20	124	0
Naphthalene	1.054	1.001	0.01	5	20	121	0
1,4-Dichlorobenzene	0.441	0.408	0.01	7.5	20	122	0
2-Methylnaphthalene-d10	0.541	0.555	0.01	-2.6	20	123	0
2-Methylnaphthalene	0.661	0.675	0.01	-2.1	20	126	0
1-Methylnaphthalene	0.627	0.634	0.01	-1.1	20	125	0
Acenaphthene-d10	1	1	0.01	0	20	124	0
Dibenzothiophene	2.024	2.152	0.01	-6.3	20	125	0
2-Chloronaphthalene	1.4	1.435	0.01	-2.5	20	123	0
Biphenyl	1.73	1.757	0.01	-1.6	20	124	0
2,6-Dimethylnaphthalene	1.163	1.243	0.01	-6.9	20	127	0
Acenaphthylene	1.993	2.282	0.01	-14.5	20	132	0
Acenaphthene	1.357	1.35	0.01	0.5	20	124	0
Dibenzofuran	1.905	1.921	0.01	-0.8	20	124	0
Fluorene	1.461	1.572	0.01	-7.6	20	128	0
2,3,5-Trimethylnaphthalen	1.023	1.113	0.01	-8.8	20	127	0
Phenanthrene-d10	1	1	0.01	0	20	124	0
Fluoranthene-d10	0.799	0.882	0.01	-10.4	20	124	0
Phenanthrene	1.1	1.163	0.01	-5.7	20	132	0
Anthracene	1.012	1.058	0.01	-4.5	20	124	0
Carbazole	0.974	1.092	0.01	-12.1	20	128	0
1-Methylphenanthrene	0.725	0.802	0.01	-10.6	20	126	0
Fluoranthene	1.093	1.206	0.01	-10.3	20	125	0
Chrysene-d12	1	1	0.01	0	20	119	0
Pyrene-d10	0.97	1.089	0.01	-12.3	20	125	0
Pyrene	1.494	1.663	0.01	-11.3	20	125	0
Benz[a]anthracene	500	566.374	0.01	-13.3	20	136	0
Chrysene	1.161	1.165	0.01	-0.3	20	119	0
Perylene-d12	1	1	0.01	0	20	126	0
Benzo(a)pyrene-d12	500	518.497	0.01	-3.7	20	127	0
Benzo[b]fluoranthene-d12	0.819	0.91	0.01	-11.1	20	125	0
Benzo[b]fluoranthene	500	543.703	0.01	-8.7	20	134	0
Benzo[k]fluoranthene	500	464.055	0.01	7.2	20	116	0
Benzo[e]pyrene	500	513.715	0.01	-2.7	20	127	0
Benzo[a]pyrene	500	501.672	0.01	-0.3	20	126	0
Perylene	1.204	1.271	0.01	-5.6	20	127	0
Indeno[1,2,3-cd]pyrene	500	551.208	0.01	-10.2	20	141	0
Dibenz[a,h]anthracene	500	502.265	0.01	-0.5	20	125	0
Benzo[g,h,i]perylene	500	510.472	0.01	-2.1	20	128	0

* Value outside of QC limits.

Internal Standard Area and RT Summary
Form 8

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: BNA4	**Analysis Date**	: 12/22/15 19:58
Sample No	: WG852216-6	**Lab File ID**	: F412221511

	Naphthalene-d8		Acenaphthene-d10		Phenanthrene-d10	
	Area	RT	Area	RT	Area	RT
WG852216-6	88591	7.44	42927	9.19	82576	10.64
Upper Limit	177182	7.94	85854	9.69	165152	11.14
Lower Limit	44296	6.94	21464	8.69	41288	10.14
Sample ID						
WG851972-1 BLANK	91298	7.44	43757	9.19	85834	10.64
WG851972-2 LCS	86324	7.44	42309	9.19	81259	10.64
WG851972-3 LCSD	89534	7.44	44150	9.19	85279	10.64
SW-1A-20151217	87982	7.44	42562	9.19	81807	10.64
SW-1B-20151217	87280	7.44	42198	9.19	82510	10.64
SW-1C-20151217	88115	7.44	42414	9.19	82740	10.64
SW-2A-20151217	90538	7.44	44099	9.19	86803	10.64
SW-2B-20151217	89724	7.44	43533	9.19	83768	10.64
SW-2B-20151217 MS	88634	7.44	43010	9.19	83012	10.64
SW-2B-20151217 MSD	91193	7.44	45721	9.19	86265	10.64
SW-2C-20151217	91966	7.44	44937	9.19	87074	10.64
DUP-20151217	94327	7.44	45922	9.19	87779	10.64
SW-3A-20151217	88748	7.44	42845	9.19	84685	10.64

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: BNA4	**Analysis Date**	: 12/22/15 19:58
Sample No	: WG852216-6	**Lab File ID**	: F412221511

	Chrysene-d12		Perylene-d12			
	Area	RT	Area	RT	Area	RT
WG852216-6	65988	13.79	56880	16.16		
Upper Limit	131976	14.29	113760	16.66		
Lower Limit	32994	13.29	28440	15.66		
Sample ID						
WG851972-1 BLANK	68939	13.79	59072	16.16		
WG851972-2 LCS	64314	13.78	56050	16.16		
WG851972-3 LCSD	69943	13.79	60059	16.16		
SW-1A-20151217	66242	13.78	57550	16.16		
SW-1B-20151217	65667	13.79	57401	16.16		
SW-1C-20151217	65974	13.78	57462	16.16		
SW-2A-20151217	69571	13.79	59836	16.16		
SW-2B-20151217	67554	13.79	58814	16.16		
SW-2B-20151217 MS	66879	13.79	58044	16.16		
SW-2B-20151217 MSD	69842	13.78	60727	16.16		
SW-2C-20151217	69868	13.79	60630	16.16		
DUP-20151217	70635	13.79	60812	16.16		
SW-3A-20151217	67757	13.78	57301	16.16		

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: BNA4	**Analysis Date**	: 12/23/15 12:16
Sample No	: WG852216-9	**Lab File ID**	: F412231502

	Naphthalene-d8		Acenaphthene-d10		Phenanthrene-d10	
	Area	RT	Area	RT	Area	RT
WG852216-9	100983	7.43	47385	9.18	92159	10.62
Upper Limit	201966	7.93	94770	9.68	184318	11.12
Lower Limit	50492	6.93	23693	8.68	46080	10.12
Sample ID						
SW-3B-20151217	95466	7.43	45785	9.18	89459	10.62
SW-3C-20151217	101036	7.43	49685	9.18	95139	10.62
EB20151217	88481	7.43	43469	9.18	85171	10.62

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: BNA4	**Analysis Date**	: 12/23/15 12:16
Sample No	: WG852216-9	**Lab File ID**	: F412231502

	Chrysene-d12		Perylene-d12			
	Area	RT	Area	RT	Area	RT
WG852216-9	71839	13.77	62903	16.14		
Upper Limit	143678	14.27	125806	16.64		
Lower Limit	35920	13.27	31452	15.64		
Sample ID						
SW-3B-20151217	71367	13.77	62278	16.15		
SW-3C-20151217	76508	13.77	67100	16.14		
EB20151217	68886	13.76	59443	16.14		

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-01	Date Collected	: 12/17/15 11:20
Client ID	: SW-1A-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/30/15 16:47
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 1230A21	Instrument ID	: VOA108.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-01	Date Collected	: 12/17/15 11:20
Client ID	: SW-1A-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/30/15 16:47
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 1230A21	Instrument ID	: VOA108.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
540-59-0	1,2-Dichloroethene, Total	ND	0.50	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
1330-20-7	Xylenes, Total	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.15	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab ID	: L1533592-01	**Date Collected**	: 12/17/15 11:20
Client ID	: SW-1A-20151217	**Date Received**	: 12/18/15
Sample Location	: GLEN FALLS, NY	**Date Analyzed**	: 12/30/15 16:47
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: 1230A21	**Instrument ID**	: VOA108.I
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-02	Date Collected	: 12/17/15 11:15
Client ID	: SW-1B-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/30/15 17:15
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 1230A22	Instrument ID	: VOA108.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-02	Date Collected	: 12/17/15 11:15
Client ID	: SW-1B-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/30/15 17:15
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 1230A22	Instrument ID	: VOA108.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
540-59-0	1,2-Dichloroethene, Total	ND	0.50	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
1330-20-7	Xylenes, Total	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.15	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab ID	: L1533592-02	**Date Collected**	: 12/17/15 11:15
Client ID	: SW-1B-20151217	**Date Received**	: 12/18/15
Sample Location	: GLEN FALLS, NY	**Date Analyzed**	: 12/30/15 17:15
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: 1230A22	**Instrument ID**	: VOA108.I
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-03	Date Collected	: 12/17/15 10:50
Client ID	: SW-1C-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/30/15 17:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 1230A23	Instrument ID	: VOA108.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-03	Date Collected	: 12/17/15 10:50
Client ID	: SW-1C-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/30/15 17:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 1230A23	Instrument ID	: VOA108.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
540-59-0	1,2-Dichloroethene, Total	ND	0.50	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
1330-20-7	Xylenes, Total	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.15	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab ID	: L1533592-03	**Date Collected**	: 12/17/15 10:50
Client ID	: SW-1C-20151217	**Date Received**	: 12/18/15
Sample Location	: GLEN FALLS, NY	**Date Analyzed**	: 12/30/15 17:43
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: 1230A23	**Instrument ID**	: VOA108.I
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-04	Date Collected	: 12/17/15 11:45
Client ID	: SW-2A-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/30/15 18:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 1230A24	Instrument ID	: VOA108.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	0.17	0.75	0.16	J
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-04	Date Collected	: 12/17/15 11:45
Client ID	: SW-2A-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/30/15 18:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 1230A24	Instrument ID	: VOA108.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
540-59-0	1,2-Dichloroethene, Total	ND	0.50	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
1330-20-7	Xylenes, Total	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.15	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab ID	: L1533592-04	**Date Collected**	: 12/17/15 11:45
Client ID	: SW-2A-20151217	**Date Received**	: 12/18/15
Sample Location	: GLEN FALLS, NY	**Date Analyzed**	: 12/30/15 18:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: 1230A24	**Instrument ID**	: VOA108.I
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-05	Date Collected	: 12/17/15 11:55
Client ID	: SW-2B-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/30/15 15:22
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 1230A18	Instrument ID	: VOA108.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-05	Date Collected	: 12/17/15 11:55
Client ID	: SW-2B-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/30/15 15:22
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 1230A18	Instrument ID	: VOA108.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
540-59-0	1,2-Dichloroethene, Total	ND	0.50	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
1330-20-7	Xylenes, Total	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.15	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab ID	: L1533592-05	**Date Collected**	: 12/17/15 11:55
Client ID	: SW-2B-20151217	**Date Received**	: 12/18/15
Sample Location	: GLEN FALLS, NY	**Date Analyzed**	: 12/30/15 15:22
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: 1230A18	**Instrument ID**	: VOA108.I
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-06	Date Collected	: 12/17/15 12:15
Client ID	: SW-2C-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/30/15 18:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 1230A25	Instrument ID	: VOA108.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-06	Date Collected	: 12/17/15 12:15
Client ID	: SW-2C-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/30/15 18:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 1230A25	Instrument ID	: VOA108.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
540-59-0	1,2-Dichloroethene, Total	ND	0.50	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
1330-20-7	Xylenes, Total	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.15	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab ID	: L1533592-06	**Date Collected**	: 12/17/15 12:15
Client ID	: SW-2C-20151217	**Date Received**	: 12/18/15
Sample Location	: GLEN FALLS, NY	**Date Analyzed**	: 12/30/15 18:40
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: 1230A25	**Instrument ID**	: VOA108.I
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-07	Date Collected	: 12/17/15 00:00
Client ID	: DUP-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 12:47
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 1231B08	Instrument ID	: VOA108.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-07	Date Collected	: 12/17/15 00:00
Client ID	: DUP-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 12:47
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 1231B08	Instrument ID	: VOA108.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
540-59-0	1,2-Dichloroethene, Total	ND	0.50	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
1330-20-7	Xylenes, Total	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.15	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab ID	: L1533592-07	**Date Collected**	: 12/17/15 00:00
Client ID	: DUP-20151217	**Date Received**	: 12/18/15
Sample Location	: GLEN FALLS, NY	**Date Analyzed**	: 12/31/15 12:47
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: 1231B08	**Instrument ID**	: VOA108.I
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-08	Date Collected	: 12/17/15 00:00
Client ID	: TRIP BLANK-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 13:15
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 1231B09	Instrument ID	: VOA108.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-08	Date Collected	: 12/17/15 00:00
Client ID	: TRIP BLANK-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 13:15
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 1231B09	Instrument ID	: VOA108.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
540-59-0	1,2-Dichloroethene, Total	ND	0.50	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
1330-20-7	Xylenes, Total	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.15	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab ID	: L1533592-08	**Date Collected**	: 12/17/15 00:00
Client ID	: TRIP BLANK-20151217	**Date Received**	: 12/18/15
Sample Location	: GLEN FALLS, NY	**Date Analyzed**	: 12/31/15 13:15
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: 1231B09	**Instrument ID**	: VOA108.I
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-09	Date Collected	: 12/17/15 14:10
Client ID	: SW-3A-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 13:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 1231B10	Instrument ID	: VOA108.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-09	Date Collected	: 12/17/15 14:10
Client ID	: SW-3A-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 13:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 1231B10	Instrument ID	: VOA108.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
540-59-0	1,2-Dichloroethene, Total	ND	0.50	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
1330-20-7	Xylenes, Total	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.15	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab ID	: L1533592-09	**Date Collected**	: 12/17/15 14:10
Client ID	: SW-3A-20151217	**Date Received**	: 12/18/15
Sample Location	: GLEN FALLS, NY	**Date Analyzed**	: 12/31/15 13:44
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: 1231B10	**Instrument ID**	: VOA108.I
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-10	Date Collected	: 12/17/15 14:20
Client ID	: SW-3B-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 14:12
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 1231B11	Instrument ID	: VOA108.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-10	Date Collected	: 12/17/15 14:20
Client ID	: SW-3B-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 14:12
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 1231B11	Instrument ID	: VOA108.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
540-59-0	1,2-Dichloroethene, Total	ND	0.50	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
1330-20-7	Xylenes, Total	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.15	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab ID	: L1533592-10	**Date Collected**	: 12/17/15 14:20
Client ID	: SW-3B-20151217	**Date Received**	: 12/18/15
Sample Location	: GLEN FALLS, NY	**Date Analyzed**	: 12/31/15 14:12
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: 1231B11	**Instrument ID**	: VOA108.I
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-11	Date Collected	: 12/17/15 14:25
Client ID	: SW-3C-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 14:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 1231B12	Instrument ID	: VOA108.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-11	Date Collected	: 12/17/15 14:25
Client ID	: SW-3C-20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 14:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 1231B12	Instrument ID	: VOA108.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
540-59-0	1,2-Dichloroethene, Total	ND	0.50	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
1330-20-7	Xylenes, Total	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.15	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab ID	: L1533592-11	**Date Collected**	: 12/17/15 14:25
Client ID	: SW-3C-20151217	**Date Received**	: 12/18/15
Sample Location	: GLEN FALLS, NY	**Date Analyzed**	: 12/31/15 14:40
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: 1231B12	**Instrument ID**	: VOA108.I
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-12	Date Collected	: 12/17/15 16:00
Client ID	: EB20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 15:08
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 1231B13	Instrument ID	: VOA108.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	0.50	0.75	0.16	J
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1533592-12	Date Collected	: 12/17/15 16:00
Client ID	: EB20151217	Date Received	: 12/18/15
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 12/31/15 15:08
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 1231B13	Instrument ID	: VOA108.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
540-59-0	1,2-Dichloroethene, Total	ND	0.50	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
1330-20-7	Xylenes, Total	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	14	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.15	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab ID	: L1533592-12	**Date Collected**	: 12/17/15 16:00
Client ID	: EB20151217	**Date Received**	: 12/18/15
Sample Location	: GLEN FALLS, NY	**Date Analyzed**	: 12/31/15 15:08
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: 1231B13	**Instrument ID**	: VOA108.I
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: WG854069-3	Date Collected	: NA
Client ID	: WG854069-3BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/30/15 09:17
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 1230A05	Instrument ID	: VOA108.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: WG854069-3	Date Collected	: NA
Client ID	: WG854069-3BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/30/15 09:17
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 1230A05	Instrument ID	: VOA108.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
540-59-0	1,2-Dichloroethene, Total	ND	0.50	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
1330-20-7	Xylenes, Total	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.15	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab ID	: WG854069-3	**Date Collected**	: NA
Client ID	: WG854069-3BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/30/15 09:17
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: 1230A05	**Instrument ID**	: VOA108.I
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: WG853951-10	Date Collected	: NA
Client ID	: WG853951-10BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/31/15 11:51
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 1231B06	Instrument ID	: VOA108.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: WG853951-10	Date Collected	: NA
Client ID	: WG853951-10BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/31/15 11:51
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 1231B06	Instrument ID	: VOA108.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
540-59-0	1,2-Dichloroethene, Total	ND	0.50	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
1330-20-7	Xylenes, Total	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.15	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	**Lab Number**	: L1533592
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab ID	: WG853951-10	**Date Collected**	: NA
Client ID	: WG853951-10BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/31/15 11:51
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: 1231B06	**Instrument ID**	: VOA108.I
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 2
Surrogate Recovery
Volatile Organics

Client: Anchor QEA, LLC
Project Name: FORMER GLEN FALLS OU-2

Lab Number: L1533592
Project Number: E50593-01.01
Matrix:

CLIENT ID (LAB SAMPLE NO.)	SMC1 TOL	SMC2 BFB	SMC3 DCA	SMC4 DBFM	TOT OUT
WG854069-2LCSD	102	102	92	103	0
WG854069-1LCS	102	105	92	103	0
WG854069-3BLANK	103	113	94	106	0
SW-2B-20151217MS (L1533592-05)	100	99	94	104	0
SW-2B-20151217MSD (L1533592-05)	101	97	89	102	0
SW-1A-20151217 (L1533592-01)	103	101	94	104	0
SW-1B-20151217 (L1533592-02)	103	101	94	104	0
SW-1C-20151217 (L1533592-03)	104	101	95	106	0
SW-2A-20151217 (L1533592-04)	103	101	97	106	0
SW-2B-20151217 (L1533592-05)	102	100	94	105	0
SW-2C-20151217 (L1533592-06)	103	101	95	107	0
DUP-20151217 (L1533592-07)	103	104	96	105	0
EB20151217 (L1533592-12)	101	104	97	111	0
WG853951-9LCSD	103	100	92	105	0
WG853951-8LCS	103	95	95	106	0
WG853951-10BLANK	102	103	97	105	0
SW-3A-20151217 (L1533592-09)	103	97	96	106	0
SW-3B-20151217 (L1533592-10)	103	103	96	106	0
SW-3C-20151217 (L1533592-11)	102	105	95	108	0
TRIP BLANK-20151217 (L1533592-08)	101	105	98	108	0

	QC LIMITS
TOL = TOLUENE-D8	(70-130)
BFB = 4-BROMOFLUOROBENZENE	(70-130)
DCA = 1,2-DICHLOROETHANE-D4	(70-130)
DBFM = DIBROMOFLUOROMETHANE)	(70-130)

*** Values outside of QC limits**

FORM II 8260

3A

LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY

WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1533592 Matrix: Water

Lab Control Sample: WG853951-8LCS Injected: 12/31/15 09:40 Lab File ID: 1231B01.D

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	LCS CONCENTRATION (ug/l)	LCS % REC	QC. LIMITS REC.
Methylene chloride	10	NA	10.	102	70-130
1,1-Dichloroethane	10	NA	10.	104	70-130
Chloroform	10	NA	9.9	99	70-130
Carbontetrachloride	10	NA	10.	104	63-132
1,2-Dichloropropane	10	NA	10.	100	70-130
Chlorodibromomethane	10	NA	10.	103	63-130
1,1,2-Trichloroethane	10	NA	9.8	98	70-130
Tetrachloroethene	10	NA	10.	101	70-130
Chlorobenzene	10	NA	10.	100	75-130
Trichlorofluoromethane	10	NA	7.6	76	62-150
1,2-Dichloroethane	10	NA	9.9	99	70-130
1,1,1-Trichloroethane	10	NA	10.	104	67-130
Bromodichloromethane	10	NA	9.4	94	67-130
trans-1,3-Dichloropropen	10	NA	9.9	99	70-130
cis-1,3-Dichloropropene	10	NA	9.4	94	70-130
Bromoform	10	NA	8.6	86	54-136
1,1,2,2,-Tetrachloroetha	10	NA	11.	107	67-130
Benzene	10	NA	9.8	98	70-130
Toluene	10	NA	10.	101	70-130
Ethyl benzene	10	NA	9.3	93	70-130
Chloromethane	10	NA	12.	125	64-130
Bromomethane	10	NA	8.0	81	39-139
Vinyl chloride	10	NA	9.8	98	55-140
Chloroethane	10	NA	7.9	79	55-138
1,1,-Dichloroethene	10	NA	7.4	74	61-145
trans-1,2-Dichloroethene	10	NA	10.	104	70-130
Trichloroethene	10	NA	9.8	98	70-130
1,2-Dichlorobenzene	10	NA	9.8	98	70-130
1,3-Dichlorobenzene	10	NA	9.6	96	70-130
1,4-Dichlorobenzene	10	NA	9.6	96	70-130
Methyl tert butyl ether	10	NA	8.9	90	63-130
p/m xylene	20	NA	18.	91	70-130
o Xylene	20	NA	17.	86	70-130
cis-1,2-Dichloroethene	10	NA	9.5	95	70-130
Styrene	20	NA	18.	88	70-130
Dichlorodifluoromethane	10	NA	11.	113	36-147
Acetone	10	NA	7.5	75	58-148
Carbon disulfide	10	NA	6.7	67	51-130
2-Butanone	10	NA	9.4	94	63-138
Vinyl acetate	10	NA	10.	101	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III 8260

3A

LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY

WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1533592 Matrix: Water

Lab Control Sample: WG853951-8LCS Injected: 12/31/15 09:40 Lab File ID: 1231B01.D

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	LCS CONCENTRATION (ug/l)	LCS % REC	QC. LIMITS REC.
4-Methyl-2-pentanone	10	NA	8.0	80	59-130
2-Hexanone	10	NA	8.8	88	57-130
Bromochloromethane	10	NA	10.	105	70-130
1,2-Dibromoethane	10	NA	10.	102	70-130
1,2-Dibromo-3-chloroprop	10	NA	9.5	95	41-144
Isopropylbenzene	10	NA	9.4	94	70-130
1,2,3-Trichlorobenzene	10	NA	9.1	91	70-130
1,2,4-Trichlorobenzene	10	NA	8.8	88	70-130
Methyl Acetate	10	NA	11.	114	70-130
Cyclohexane	10	NA	10.	102	70-130
Freon-113	10	NA	7.4	74	70-130
Methyl cyclohexane	10	NA	9.0	90	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III 8260

3A

LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY

WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1533592 Matrix: Water

Lab Control Sample: WG853951-8LCS Injected: 12/31/15 09:40 Lab File ID: 1231B01.D

Lab Control Dup : WG853951-9LCSD Injected: 12/31/15 10:09 Lab File ID: 1231B02.D

COMPOUND	SPIKE ADDED (ug/l)	LCSD CONCENTRATION (ug/l)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
Methylene chloride	10	11.	110	8	20	70-130
1,1-Dichloroethane	10	11.	114	9	20	70-130
Chloroform	10	10.	106	7	20	70-130
Carbontetrachloride	10	12.	116	11	20	63-132
1,2-Dichloropropane	10	11.	108	8	20	70-130
Chlorodibromomethane	10	11.	110	7	20	63-130
1,1,2-Trichloroethane	10	11.	110	12	20	70-130
Tetrachloroethene	10	11.	109	8	20	70-130
Chlorobenzene	10	11.	107	7	25	75-130
Trichlorofluoromethane	10	7.7	78	3	20	62-150
1,2-Dichloroethane	10	10.	103	4	20	70-130
1,1,1-Trichloroethane	10	11.	112	7	20	67-130
Bromodichloromethane	10	10.	104	10	20	67-130
trans-1,3-Dichloropropen	10	10.	105	6	20	70-130
cis-1,3-Dichloropropene	10	10.	102	8	20	70-130
Bromoform	10	9.6	96	11	20	54-136
1,1,2,2,-Tetrachloroetha	10	11.	111	4	20	67-130
Benzene	10	11.	106	8	25	70-130
Toluene	10	11.	108	7	25	70-130
Ethyl benzene	10	9.9	99	6	20	70-130
Chloromethane	10	13.	130	4	20	64-130
Bromomethane	10	9.6	96	17	20	39-139
Vinyl chloride	10	10.	103	5	20	55-140
Chloroethane	10	7.9	79	0	20	55-138
1,1,-Dichloroethene	10	7.7	77	4	25	61-145
trans-1,2-Dichloroethene	10	11.	112	7	20	70-130
Trichloroethene	10	10.	106	8	25	70-130
1,2-Dichlorobenzene	10	11.	107	9	20	70-130
1,3-Dichlorobenzene	10	10.	105	9	20	70-130
1,4-Dichlorobenzene	10	10.	102	6	20	70-130
Methyl tert butyl ether	10	9.7	97	7	20	63-130
p/m xylene	20	19.	97	6	20	70-130
o Xylene	20	18.	88	2	20	70-130
cis-1,2-Dichloroethene	10	11.	107	12	20	70-130
Styrene	20	18.	93	6	20	70-130
Dichlorodifluoromethane	10	12.	116	3	20	36-147
Acetone	10	8.0	80	6	20	58-148
Carbon disulfide	10	7.0	70	4	20	51-130
2-Butanone	10	9.2	92	2	20	63-138
Vinyl acetate	10	10.	105	4	20	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III 8260

3A

LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY

WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1533592 Matrix: Water

Lab Control Sample: WG853951-8LCS Injected: 12/31/15 09:40 Lab File ID: 1231B01.D

Lab Control Dup : WG853951-9LCSD Injected: 12/31/15 10:09 Lab File ID: 1231B02.D

COMPOUND	SPIKE ADDED (ug/l)	LCSD CONCENTRATION (ug/l)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
4-Methyl-2-pentanone	10	8.0	80	0	20	59-130
2-Hexanone	10	8.6	86	2	20	57-130
Bromochloromethane	10	11.	112	6	20	70-130
1,2-Dibromoethane	10	11.	107	5	20	70-130
1,2-Dibromo-3-chloroprop	10	9.8	98	3	20	41-144
Isopropylbenzene	10	10.	103	9	20	70-130
1,2,3-Trichlorobenzene	10	9.7	97	6	20	70-130
1,2,4-Trichlorobenzene	10	9.0	90	2	20	70-130
Methyl Acetate	10	11.	115	1	20	70-130
Cyclohexane	10	11.	113	10	20	70-130
Freon-113	10	7.5	75	1	20	70-130
Methyl cyclohexane	10	9.8	98	9	20	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III 8260

3A

LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY

WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1533592 Matrix: Water

Lab Control Sample: WG854069-1LCS Injected: 12/30/15 07:52 Lab File ID: 1230A02.D

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	LCS CONCENTRATION (ug/l)	LCS % REC	QC. LIMITS REC.
Methylene chloride	10	NA	10.	100	70-130
1,1-Dichloroethane	10	NA	10.	102	70-130
Chloroform	10	NA	9.9	99	70-130
Carbontetrachloride	10	NA	10.	105	63-132
1,2-Dichloropropane	10	NA	10.	100	70-130
Chlorodibromomethane	10	NA	10.	103	63-130
1,1,2-Trichloroethane	10	NA	9.7	97	70-130
Tetrachloroethene	10	NA	10.	102	70-130
Chlorobenzene	10	NA	9.9	99	75-130
Trichlorofluoromethane	10	NA	7.3	73	62-150
1,2-Dichloroethane	10	NA	9.3	93	70-130
1,1,1-Trichloroethane	10	NA	10.	104	67-130
Bromodichloromethane	10	NA	9.6	96	67-130
trans-1,3-Dichloropropen	10	NA	9.8	98	70-130
cis-1,3-Dichloropropene	10	NA	9.8	98	70-130
Bromoform	10	NA	9.6	96	54-136
1,1,2,2,-Tetrachloroetha	10	NA	10.	103	67-130
Benzene	10	NA	9.6	97	70-130
Toluene	10	NA	10.	101	70-130
Ethyl benzene	10	NA	9.4	94	70-130
Chloromethane	10	NA	11.	110	64-130
Bromomethane	10	NA	9.8	98	39-139
Vinyl chloride	10	NA	9.4	94	55-140
Chloroethane	10	NA	7.2	72	55-138
1,1,-Dichloroethene	10	NA	7.1	71	61-145
trans-1,2-Dichloroethene	10	NA	10.	103	70-130
Trichloroethene	10	NA	9.7	97	70-130
1,2-Dichlorobenzene	10	NA	10.	102	70-130
1,3-Dichlorobenzene	10	NA	10.	103	70-130
1,4-Dichlorobenzene	10	NA	10.	100	70-130
Methyl tert butyl ether	10	NA	8.9	89	63-130
p/m xylene	20	NA	18.	91	70-130
o Xylene	20	NA	17.	83	70-130
cis-1,2-Dichloroethene	10	NA	9.9	99	70-130
Styrene	20	NA	17.	86	70-130
Dichlorodifluoromethane	10	NA	9.8	98	36-147
Acetone	10	NA	5.9	59	58-148
Carbon disulfide	10	NA	6.5	65	51-130
2-Butanone	10	NA	7.5	75	63-138
Vinyl acetate	10	NA	9.3	93	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III 8260

3A

LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY

WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1533592 Matrix: Water

Lab Control Sample: WG854069-1LCS Injected: 12/30/15 07:52 Lab File ID: 1230A02.D

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	LCS CONCENTRATION (ug/l)	LCS % REC	QC. LIMITS REC.
4-Methyl-2-pentanone	10	NA	7.8	78	59-130
2-Hexanone	10	NA	7.6	76	57-130
Bromochloromethane	10	NA	10.	103	70-130
1,2-Dibromoethane	10	NA	9.8	98	70-130
1,2-Dibromo-3-chloroprop	10	NA	9.2	92	41-144
Isopropylbenzene	10	NA	10.	102	70-130
1,2,3-Trichlorobenzene	10	NA	9.1	91	70-130
1,2,4-Trichlorobenzene	10	NA	9.0	90	70-130
Methyl Acetate	10	NA	9.5	95	70-130
Cyclohexane	10	NA	9.7	97	70-130
Freon-113	10	NA	7.0	70	70-130
Methyl cyclohexane	10	NA	9.2	92	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III 8260

3A

LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY

WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1533592 Matrix: Water

Lab Control Sample: WG854069-1LCS Injected: 12/30/15 07:52 Lab File ID: 1230A02.D

Lab Control Dup : WG854069-2LCSD Injected: 12/30/15 08:20 Lab File ID: 1230A03.D

COMPOUND	SPIKE ADDED (ug/l)	LCSD CONCENTRATION (ug/l)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
Methylene chloride	10	10.	104	4	20	70-130
1,1-Dichloroethane	10	10.	106	4	20	70-130
Chloroform	10	10.	101	2	20	70-130
Carbontetrachloride	10	11.	109	4	20	63-132
1,2-Dichloropropane	10	10.	102	2	20	70-130
Chlorodibromomethane	10	10.	105	2	20	63-130
1,1,2-Trichloroethane	10	9.9	99	2	20	70-130
Tetrachloroethene	10	10.	102	0	20	70-130
Chlorobenzene	10	10.	102	3	25	75-130
Trichlorofluoromethane	10	7.6	76	4	20	62-150
1,2-Dichloroethane	10	10.	102	9	20	70-130
1,1,1-Trichloroethane	10	11.	110	6	20	67-130
Bromodichloromethane	10	10.	100	4	20	67-130
trans-1,3-Dichloropropen	10	10.	101	3	20	70-130
cis-1,3-Dichloropropene	10	10.	101	3	20	70-130
Bromoform	10	9.4	94	2	20	54-136
1,1,2,2,-Tetrachloroetha	10	10.	106	3	20	67-130
Benzene	10	9.8	98	1	25	70-130
Toluene	10	10.	104	3	25	70-130
Ethyl benzene	10	9.5	95	1	20	70-130
Chloromethane	10	11.	113	3	20	64-130
Bromomethane	10	9.5	95	3	20	39-139
Vinyl chloride	10	9.6	96	2	20	55-140
Chloroethane	10	7.4	74	3	20	55-138
1,1,-Dichloroethene	10	7.4	74	4	25	61-145
trans-1,2-Dichloroethene	10	11.	108	5	20	70-130
Trichloroethene	10	9.9	99	2	25	70-130
1,2-Dichlorobenzene	10	10.	100	2	20	70-130
1,3-Dichlorobenzene	10	10.	100	3	20	70-130
1,4-Dichlorobenzene	10	10.	101	1	20	70-130
Methyl tert butyl ether	10	9.2	92	3	20	63-130
p/m xylene	20	18.	92	1	20	70-130
o Xylene	20	17.	86	4	20	70-130
cis-1,2-Dichloroethene	10	10.	101	2	20	70-130
Styrene	20	18.	89	3	20	70-130
Dichlorodifluoromethane	10	10.	101	3	20	36-147
Acetone	10	6.5	65	10	20	58-148
Carbon disulfide	10	6.6	66	2	20	51-130
2-Butanone	10	8.0	80	6	20	63-138
Vinyl acetate	10	9.5	96	3	20	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III 8260

3A

LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY

WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1533592 Matrix: Water

Lab Control Sample: WG854069-1LCS Injected: 12/30/15 07:52 Lab File ID: 1230A02.D

Lab Control Dup : WG854069-2LCSD Injected: 12/30/15 08:20 Lab File ID: 1230A03.D

COMPOUND	SPIKE ADDED (ug/l)	LCSD CONCENTRATION (ug/l)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
4-Methyl-2-pentanone	10	8.2	82	5	20	59-130
2-Hexanone	10	7.8	78	3	20	57-130
Bromochloromethane	10	11.	107	4	20	70-130
1,2-Dibromoethane	10	10.	101	3	20	70-130
1,2-Dibromo-3-chloroprop	10	9.8	98	6	20	41-144
Isopropylbenzene	10	10.	100	2	20	70-130
1,2,3-Trichlorobenzene	10	9.2	92	1	20	70-130
1,2,4-Trichlorobenzene	10	8.9	89	1	20	70-130
Methyl Acetate	10	10.	104	9	20	70-130
Cyclohexane	10	10.	102	5	20	70-130
Freon-113	10	7.4	74	6	20	70-130
Methyl cyclohexane	10	9.5	95	3	20	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III 8260

3A

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1533592 Matrix: Water

Client Sample ID : SW-2B-20151217 Injected: 12/30/15 15:22 Lab File ID: 1230A18.D

Matrix Spike : WG854069-4 Injected: 12/30/15 15:50 Lab File ID: 1230A19.D

Matrix Spike Dup : WG854069-5 Injected: 12/30/15 16:19 Lab File ID: 1230A20.D

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	MS CONCENTRATION (ug/l)	MS % REC	QC. LIMITS REC.
Methylene chloride	10	ND	12.	123	70-130
1,1-Dichloroethane	10	ND	13.	128	70-130
Chloroform	10	ND	12.	123	70-130
Carbontetrachloride	10	ND	13.	129	63-132
1,2-Dichloropropane	10	ND	12.	121	70-130
Chlorodibromomethane	10	ND	12.	125	63-130
1,1,2-Trichloroethane	10	ND	12.	118	70-130
Tetrachloroethene	10	ND	12.	122	70-130
Chlorobenzene	10	ND	12.	119	75-130
Trichlorofluoromethane	10	ND	9.4	94	62-150
1,2-Dichloroethane	10	ND	11.	114	70-130
1,1,1-Trichloroethane	10	ND	13.	131*	67-130
Bromodichloromethane	10	ND	12.	120	67-130
trans-1,3-Dichloropropen	10	ND	12.	116	70-130
cis-1,3-Dichloropropene	10	ND	11.	111	70-130
Bromoform	10	ND	10.	105	54-136
1,1,2,2,-Tetrachloroetha	10	ND	12.	116	67-130
Benzene	10	ND	12.	122	70-130
Toluene	10	ND	12.	122	70-130
Ethyl benzene	10	ND	11.	111	70-130
Chloromethane	10	ND	14.	141*	64-130
Bromomethane	10	ND	10.	106	39-139
Vinyl chloride	10	ND	12.	121	55-140
Chloroethane	10	ND	9.4	94	55-138
1,1,-Dichloroethene	10	ND	9.6	96	61-145
trans-1,2-Dichloroethene	10	ND	12.	126	70-130
Trichloroethene	10	ND	12.	120	70-130
1,2-Dichlorobenzene	10	ND	12.	116	70-130
1,3-Dichlorobenzene	10	ND	12.	116	70-130
1,4-Dichlorobenzene	10	ND	11.	114	70-130
Methyl tert butyl ether	10	ND	11.	107	63-130
p/m xylene	20	ND	22.	109	70-130
o Xylene	20	ND	20.	102	70-130
cis-1,2-Dichloroethene	10	ND	12.	123	70-130
Styrene	20	ND	21.	105	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III 8260

3A

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1533592 Matrix: Water

Client Sample ID : SW-2B-20151217 Injected: 12/30/15 15:22 Lab File ID: 1230A18.D

Matrix Spike : WG854069-4 Injected: 12/30/15 15:50 Lab File ID: 1230A19.D

Matrix Spike Dup : WG854069-5 Injected: 12/30/15 16:19 Lab File ID: 1230A20.D

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	MS CONCENTRATION (ug/l)	MS % REC	QC. LIMITS REC.
Dichlorodifluoromethane	10	ND	12.	117	36-147
Acetone	10	ND	9.8	98	58-148
Carbon disulfide	10	ND	8.4	84	51-130
2-Butanone	10	ND	10.	101	63-138
Vinyl acetate	10	ND	11.	109	70-130
4-Methyl-2-pentanone	10	ND	9.6	96	59-130
2-Hexanone	10	ND	9.5	95	57-130
Bromochloromethane	10	ND	13.	129	70-130
1,2-Dibromoethane	10	ND	12.	115	70-130
1,2-Dibromo-3-chloroprop	10	ND	10.	105	41-144
Isopropylbenzene	10	ND	12.	115	70-130
1,2,3-Trichlorobenzene	10	ND	11.	112	70-130
1,2,4-Trichlorobenzene	10	ND	11.	107	70-130
Methyl Acetate	10	ND	11.	114	70-130
Cyclohexane	10	ND	12.	119	70-130
Freon-113	10	ND	8.6J	86	70-130
Methyl cyclohexane	10	ND	10.	101	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III 8260

3A

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1533592 Matrix: Water

Client Sample ID : SW-2B-20151217 Injected: 12/30/15 15:22 Lab File ID: 1230A18.D

Matrix Spike : WG854069-4 Injected: 12/30/15 15:50 Lab File ID: 1230A19.D

Matrix Spike Dup : WG854069-5MSD Injected: 12/30/15 16:19 Lab File ID: 1230A20.D

COMPOUND	SPIKE ADDED (ug/l)	MSD CONCENTRATION (ug/l)	MSD % REC		% RPD	QC LIMITS RPD	QC LIMITS REC.
Methylene chloride	10	12.	123		0	20	70-130
1,1-Dichloroethane	10	13.	130		0	20	70-130
Chloroform	10	12.	122		0	20	70-130
Carbontetrachloride	10	13.	132		0	20	63-132
1,2-Dichloropropane	10	12.	125		0	20	70-130
Chlorodibromomethane	10	13.	127		8	20	63-130
1,1,2-Trichloroethane	10	12.	117		0	20	70-130
Tetrachloroethene	10	12.	123		0	20	70-130
Chlorobenzene	10	12.	125		0	25	75-130
Trichlorofluoromethane	10	9.3	93		1	20	62-150
1,2-Dichloroethane	10	11.	115		0	20	70-130
1,1,1-Trichloroethane	10	13.	132	*	0	20	67-130
Bromodichloromethane	10	12.	121		0	20	67-130
trans-1,3-Dichloropropen	10	12.	121		0	20	70-130
cis-1,3-Dichloropropene	10	11.	110		0	20	70-130
Bromoform	10	11.	110		10	20	54-136
1,1,2,2,-Tetrachloroetha	10	12.	123		0	20	67-130
Benzene	10	12.	122		0	25	70-130
Toluene	10	12.	125		0	25	70-130
Ethyl benzene	10	12.	118		9	20	70-130
Chloromethane	10	14.	145	*	0	20	64-130
Bromomethane	10	11.	115		10	20	39-139
Vinyl chloride	10	12.	123		0	20	55-140
Chloroethane	10	9.0	90		4	20	55-138
1,1,-Dichloroethene	10	9.4	94		2	25	61-145
trans-1,2-Dichloroethene	10	13.	128		8	20	70-130
Trichloroethene	10	12.	122		0	25	70-130
1,2-Dichlorobenzene	10	12.	121		0	20	70-130
1,3-Dichlorobenzene	10	12.	121		0	20	70-130
1,4-Dichlorobenzene	10	12.	119		9	20	70-130
Methyl tert butyl ether	10	11.	109		0	20	63-130
p/m xylene	20	22.	112		0	20	70-130
o Xylene	20	21.	105		5	20	70-130
cis-1,2-Dichloroethene	10	12.	123		0	20	70-130
Styrene	20	22.	110		5	20	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III 8260

3A

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1533592 Matrix: Water

Client Sample ID : SW-2B-20151217 Injected: 12/30/15 15:22 Lab File ID: 1230A18.D

Matrix Spike : WG854069-4 Injected: 12/30/15 15:50 Lab File ID: 1230A19.D

Matrix Spike Dup : WG854069-5MSD Injected: 12/30/15 16:19 Lab File ID: 1230A20.D

COMPOUND	SPIKE ADDED (ug/l)	MSD CONCENTRATION (ug/l)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	10	12.	119	0	20	36-147
Acetone	10	11.	106	12	20	58-148
Carbon disulfide	10	8.6	86	2	20	51-130
2-Butanone	10	9.8	98	2	20	63-138
Vinyl acetate	10	11.	110	0	20	70-130
4-Methyl-2-pentanone	10	10.	101	4	20	59-130
2-Hexanone	10	10.	101	5	20	57-130
Bromochloromethane	10	13.	127	0	20	70-130
1,2-Dibromoethane	10	12.	124	0	20	70-130
1,2-Dibromo-3-chloroprop	10	12.	117	18	20	41-144
Isopropylbenzene	10	12.	119	0	20	70-130
1,2,3-Trichlorobenzene	10	12.	118	9	20	70-130
1,2,4-Trichlorobenzene	10	12.	116	9	20	70-130
Methyl Acetate	10	7.8J	78	34 *	20	70-130
Cyclohexane	10	12.	117	0	20	70-130
Freon-113	10	8.5J	85	1	20	70-130
Methyl cyclohexane	10	10.	102	0	20	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III 8260

3A

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1533592 Matrix: Water

Client Sample ID : SW-2B-20151217 Injected: 12/30/15 15:22 Lab File ID: 1230A18.D

Matrix Spike : WG854069-5 Injected: 12/30/15 16:19 Lab File ID: 1230A20.D

Matrix Spike Dup : Injected: Lab File ID:

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	MSD CONCENTRATION (ug/l)	MSD % REC	QC. LIMITS REC.
Methylene chloride	10	ND	12.	123	70-130
1,1-Dichloroethane	10	ND	13.	130	70-130
Chloroform	10	ND	12.	122	70-130
Carbontetrachloride	10	ND	13.	132	63-132
1,2-Dichloropropane	10	ND	12.	125	70-130
Chlorodibromomethane	10	ND	13.	127	63-130
1,1,2-Trichloroethane	10	ND	12.	117	70-130
Tetrachloroethene	10	ND	12.	123	70-130
Chlorobenzene	10	ND	12.	125	75-130
Trichlorofluoromethane	10	ND	9.3	93	62-150
1,2-Dichloroethane	10	ND	11.	115	70-130
1,1,1-Trichloroethane	10	ND	13.	132*	67-130
Bromodichloromethane	10	ND	12.	121	67-130
trans-1,3-Dichloropropen	10	ND	12.	121	70-130
cis-1,3-Dichloropropene	10	ND	11.	110	70-130
Bromoform	10	ND	11.	110	54-136
1,1,2,2,-Tetrachloroetha	10	ND	12.	123	67-130
Benzene	10	ND	12.	122	70-130
Toluene	10	ND	12.	125	70-130
Ethyl benzene	10	ND	12.	118	70-130
Chloromethane	10	ND	14.	145*	64-130
Bromomethane	10	ND	11.	115	39-139
Vinyl chloride	10	ND	12.	123	55-140
Chloroethane	10	ND	9.0	90	55-138
1,1,-Dichloroethene	10	ND	9.4	94	61-145
trans-1,2-Dichloroethene	10	ND	13.	128	70-130
Trichloroethene	10	ND	12.	122	70-130
1,2-Dichlorobenzene	10	ND	12.	121	70-130
1,3-Dichlorobenzene	10	ND	12.	121	70-130
1,4-Dichlorobenzene	10	ND	12.	119	70-130
Methyl tert butyl ether	10	ND	11.	109	63-130
p/m xylene	20	ND	22.	112	70-130
o Xylene	20	ND	21.	105	70-130
cis-1,2-Dichloroethene	10	ND	12.	123	70-130
Styrene	20	ND	22.	110	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III 8260

3A

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1533592 Matrix: Water

Client Sample ID : SW-2B-20151217 Injected: 12/30/15 15:22 Lab File ID: 1230A18.D

Matrix Spike : WG854069-5 Injected: 12/30/15 16:19 Lab File ID: 1230A20.D

Matrix Spike Dup : Injected: Lab File ID:

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	MSD CONCENTRATION (ug/l)	MSD % REC	QC. LIMITS REC.
Dichlorodifluoromethane	10	ND	12.	119	36-147
Acetone	10	ND	11.	106	58-148
Carbon disulfide	10	ND	8.6	86	51-130
2-Butanone	10	ND	9.8	98	63-138
Vinyl acetate	10	ND	11.	110	70-130
4-Methyl-2-pentanone	10	ND	10.	101	59-130
2-Hexanone	10	ND	10.	101	57-130
Bromochloromethane	10	ND	13.	127	70-130
1,2-Dibromoethane	10	ND	12.	124	70-130
1,2-Dibromo-3-chloroprop	10	ND	12.	117	41-144
Isopropylbenzene	10	ND	12.	119	70-130
1,2,3-Trichlorobenzene	10	ND	12.	118	70-130
1,2,4-Trichlorobenzene	10	ND	12.	116	70-130
Methyl Acetate	10	ND	7.8J	78	70-130
Cyclohexane	10	ND	12.	117	70-130
Freon-113	10	ND	8.5J	85	70-130
Methyl cyclohexane	10	ND	10.	102	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III 8260

4A

VOLATILE ORGANICS METHOD BLANK SUMMARY

SAMPLE NO.

WG854069-3BLANK

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Lab File ID: 1230A05 Lab Sample ID: WG854069-3

Date Analyzed: 12/30/15 Time Analyzed: 09:17

Instrument ID: VOA108.I

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	WG854069-1LCS	WG854069-1	1230A02	12/30/15 07:52
02	WG854069-2LCSD	WG854069-2	1230A03	12/30/15 08:20
03	SW-2B-20151217	L1533592-05	1230A18	12/30/15 15:22
04	SW-2B-20151217MS	WG854069-4	1230A19	12/30/15 15:50
05	SW-2B-20151217MSD	WG854069-5	1230A20	12/30/15 16:19
06	SW-1A-20151217	L1533592-01	1230A21	12/30/15 16:47
07	SW-1B-20151217	L1533592-02	1230A22	12/30/15 17:15
08	SW-1C-20151217	L1533592-03	1230A23	12/30/15 17:43
09	SW-2A-20151217	L1533592-04	1230A24	12/30/15 18:11
10	SW-2C-20151217	L1533592-06	1230A25	12/30/15 18:40

COMMENTS: _____

FORM IV 8260 LOW

4A

VOLATILE ORGANICS METHOD BLANK SUMMARY

SAMPLE NO.

WG853951-10BLAN

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Lab File ID: 1231B06 Lab Sample ID: WG853951-10

Date Analyzed: 12/31/15 Time Analyzed: 11:51

Instrument ID: VOA108.I

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	WG853951-8LCS	WG853951-8	1231B01	12/31/15 09:40
02	WG853951-9LCSD	WG853951-9	1231B02	12/31/15 10:09
03	DUP-20151217	L1533592-07	1231B08	12/31/15 12:47
04	TRIP BLANK-20151217	L1533592-08	1231B09	12/31/15 13:15
05	SW-3A-20151217	L1533592-09	1231B10	12/31/15 13:44
06	SW-3B-20151217	L1533592-10	1231B11	12/31/15 14:12
07	SW-3C-20151217	L1533592-11	1231B12	12/31/15 14:40
08	EB20151217	L1533592-12	1231B13	12/31/15 15:08

COMMENTS: _____

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FORM IV 8260 LOW

5A
VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Lab File ID: BFB1107A_tune BFB Injection Date: 11/07/15

Instrument ID: Voa108.i BFB Injection Time: 18:03

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance
95	Base Peak, 100% relative abundance	100
50	15.0 - 40.0% of mass 95	22.7
75	30.0 - 60.0% of mass 95	56.5
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1.1 (1.36)1
174	Greater than 50.0 of mass 95	84.2
175	5.0 - 9.0% of mass 174	6.5 (7.67)1
176	95.0 - 101% of mass 174	82 (97.3)1
177	5.0 - 9.0% of mass 176	5.8 (7.03)2

1-Value is % of mass 174 2-Value is % of mass 176

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	wg838608-2, ical	wg838608-2, ic	1107A03	11/07/15	19:08
02	wg838608-3, ical	wg838608-3, ic	1107A04	11/07/15	19:36
03	wg838608-4, ical	wg838608-4, ic	1107A05	11/07/15	20:05
04	wg838608-5, ical	wg838608-5, ic	1107A06	11/07/15	20:34
05	wg838608-6, ical	wg838608-6, ic	1107A07	11/07/15	21:02
06	wg838608-7, ical	wg838608-7, ic	1107A08	11/07/15	21:31
07	wg838608-8, ical	wg838608-8, ic	1107A09	11/07/15	21:59
08	wg838608-9, ical	wg838608-9, ic	1107A10	11/07/15	22:27
09	wg838608-10, icv	wg838608-10, i	1107A17	11/08/15	01:46
10	ICV Summary Form	ICV Summary Fo	ccal	11/08/15	01:46

FORM V 8260

5A
VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Lab File ID: BFB1230A_tune BFB Injection Date: 12/30/15

Instrument ID: Voa108.i BFB Injection Time: 07:05

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance
95	Base Peak, 100% relative abundance	100
50	15.0 - 40.0% of mass 95	21.1
75	30.0 - 60.0% of mass 95	51.9
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	1.4 (1.67)1
174	Greater than 50.0 of mass 95	85.5
175	5.0 - 9.0% of mass 174	7 (8.15)1
176	95.0 - 101% of mass 174	84.1 (98.3)1
177	5.0 - 9.0% of mass 176	5.4 (6.37)2

1-Value is % of mass 174 2-Value is % of mass 176

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG854069-1LCS	WG854069-1	1230A02	12/30/15	07:52
02	wg854069-7, ccal	wg854069-7, cc	1230A02	12/30/15	07:52
03	WG854069-2LCSD	WG854069-2	1230A03	12/30/15	08:20
04	WG854069-3BLANK	WG854069-3	1230A05	12/30/15	09:17
05	SW-2B-20151217	L1533592-05	1230A18	12/30/15	15:22
06	SW-2B-20151217MS	WG854069-4	1230A19	12/30/15	15:50
07	SW-2B-20151217MS	WG854069-5	1230A20	12/30/15	16:19
08	SW-1A-20151217	L1533592-01	1230A21	12/30/15	16:47
09	SW-1B-20151217	L1533592-02	1230A22	12/30/15	17:15
10	SW-1C-20151217	L1533592-03	1230A23	12/30/15	17:43
11	SW-2A-20151217	L1533592-04	1230A24	12/30/15	18:11
12	SW-2C-20151217	L1533592-06	1230A25	12/30/15	18:40

FORM V 8260

5A
VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Lab File ID: BFB1231B_tune BFB Injection Date: 12/31/15

Instrument ID: Voa108.i BFB Injection Time: 09:21

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance
95	Base Peak, 100% relative abundance	100
50	15.0 - 40.0% of mass 95	20.7
75	30.0 - 60.0% of mass 95	50.3
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	1.4 (1.62)1
174	Greater than 50.0 of mass 95	88.4
175	5.0 - 9.0% of mass 174	6.9 (7.79)1
176	95.0 - 101% of mass 174	84.2 (95.2)1
177	5.0 - 9.0% of mass 176	5.6 (6.63)2

1-Value is % of mass 174 2-Value is % of mass 176

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG853951-8LCS	WG853951-8	1231B01	12/31/15	09:40
02	wg853951-7, ccal	wg853951-7, cc	1231B01	12/31/15	09:40
03	WG853951-9LCSD	WG853951-9	1231B02	12/31/15	10:09
04	WG853951-10BLANK	WG853951-10	1231B06	12/31/15	11:51
05	DUP-20151217	L1533592-07	1231B08	12/31/15	12:47
06	TRIP BLANK-20151	L1533592-08	1231B09	12/31/15	13:15
07	SW-3A-20151217	L1533592-09	1231B10	12/31/15	13:44
08	SW-3B-20151217	L1533592-10	1231B11	12/31/15	14:12
09	SW-3C-20151217	L1533592-11	1231B12	12/31/15	14:40
10	EB20151217	L1533592-12	1231B13	12/31/15	15:08

FORM V 8260

6A

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Instrument ID: VOA108.I Calibration Date(s): 07-NOV-2015 07-NOV-2015

Calibration Times: 19:08 22:27

Calibration File Names:
Level 1: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A04.D
Level 2: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A05.D
Level 3: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A06.D
Level 4: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A07.D
Level 6: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A08.D
Level 8: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A09.D
Level 10: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A10.D
Level 11: \\Orgserv2\ff\chem\GCMSVOA\Voa108.i\151107.b\1107A03.D

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2
	2000.0000 Level 10	2.0000 Level 11									
1 dichlorodifluoromethane	0.16801	0.19934	0.17543	0.19558	0.19125	0.20710					
	0.21882	+++++					AVRG		0.19365		9.05617
2 chloromethane	0.17312	0.22352	0.19882	0.20243	0.18739	0.19728					
	0.20177	+++++					AVRG		0.19776		7.77163
3 vinyl chloride	0.24798	0.28509	0.24585	0.25983	0.25005	0.25767					
	0.26560	0.22357					AVRG		0.25445		6.95296

FORM VI-8260-L

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Instrument ID: VOA108.I Calibration Date(s): 07-NOV-2015 07-NOV-2015

Calibration Times: 19:08 22:27

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
4 bromomethane	1255	3791	17999	70192	244142	473769						
	999640	+++++					QUAD	0.23815	4.49657	-0.21214	0.99822	
5 chloroethane	0.25573	0.30797	0.27101	0.27792	0.29382	0.25875						
	0.20196	+++++					AVRG		0.26674		12.76624	
6 trichlorofluoromethane	0.51723	0.65095	0.55658	0.59929	0.59794	0.66682						
	0.72121	+++++					AVRG		0.61572		11.24543	
7 ethyl ether	0.18598	0.20003	0.20780	0.19721	0.19339	0.19615						
	0.20216	+++++					AVRG		0.19753		3.49367	
8 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
9 1,1,-dichloroethene	0.31129	0.36626	0.32264	0.33193	0.33286	0.35593						
	0.38562	+++++					AVRG		0.34379		7.66418	
10 carbon disulfide	1.18482	1.06146	0.88518	0.92448	0.94656	1.02323						
	1.11955	+++++					AVRG		1.02075		10.69407	

FORM VI-8260-L

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Instrument ID: VOA108.I Calibration Date(s): 07-NOV-2015 07-NOV-2015

Calibration Times: 19:08 22:27

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
11 freon-113	0.29942	0.36587	0.31711	0.33887	0.34133	0.37188						
	0.41126	+++++					AVRG		0.34939		10.65801	
12 iodomethane	+++++	4298	27200	121586	402089	712998						
	1393456	+++++					WLINR	0.19409	0.41171		0.99291	<-
15 methylene chloride	0.19621	0.22050	0.20688	0.21452	0.20921	0.21843						
	0.23112	+++++					AVRG		0.21384		5.21165	
16 acetone	1869	2345	5473	13370	35007	58230						
	104748	+++++					WLINR	-0.44241	0.03139		0.99954	<-
17 trans-1,2-dichloroethene	0.19093	0.21955	0.19807	0.20623	0.20611	0.22070						
	0.24170	+++++					AVRG		0.21190		7.99157	
14 Isopropyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
18 Methyl Acetate	0.07865	0.08458	0.09400	0.09129	0.09021	0.09258						
	0.09275	+++++					AVRG		0.08915		6.22972	

FORM VI-8260-L

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Instrument ID: VOA108.I Calibration Date(s): 07-NOV-2015 07-NOV-2015

Calibration Times: 19:08 22:27

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	2000.0000 Level 10	2.0000 Level 11	Curve	Coefficients b	m1	m2	%RSD or R^2	
19 methyl tert butyl ether	0.41599	0.45714	0.47449	0.49048	0.49343	0.51355								
	0.54079	+++++							AVRG		0.48369		8.29770	
13 acrolein	27.00000	168	1851	5834	17458	29525								
	53552	+++++							WLINR	0.05251	0.01647		0.99915	<-
20 Tert-Butyl Alcohol	0.01088	0.01099	0.00903	0.00920	0.00840	0.00964								
	0.00939	+++++							AVRG		0.00965		9.97214	<-
21 Diisopropyl Ether	0.56521	0.60838	0.62237	0.64707	0.64845	0.67608								
	0.71503	+++++							AVRG		0.64037		7.53130	
22 1,1-dichloroethane	0.33289	0.37377	0.37201	0.38340	0.37708	0.39964								
	0.42655	+++++							AVRG		0.38076		7.49853	
23 halothane	0.12630	0.16204	0.15459	0.17286	0.17411	0.18608								
	0.20460	+++++							AVRG		0.16865		14.68115	
24 acrylonitrile	+++++	0.04434	0.04826	0.04987	0.05020	0.05136								
	0.05186	+++++							AVRG		0.04932		5.56256	<-

FORM VI-8260-L

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Instrument ID: VOA108.I Calibration Date(s): 07-NOV-2015 07-NOV-2015

Calibration Times: 19:08 22:27

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	2000.0000 Level 10	2.0000 Level 11	Curve	Coefficients b	m1	m2	%RSD or R^2
25 Ethyl-Tert-Butyl-Ether	0.49414	0.51417	0.55641	0.58572	0.59554	0.62649							
	0.67028	+++++							AVRG		0.57754		10.67456
26 vinyl acetate	0.36735	0.40805	0.45685	0.46502	0.47598	0.48590							
	0.50625	+++++							AVRG		0.45220		10.66584
27 cis-1,2-dichloroethene	0.22176	0.26173	0.24021	0.25042	0.24735	0.25750							
	0.27572	+++++							AVRG		0.25067		6.81803
28 2,2-dichloropropane	0.23759	0.29640	0.28855	0.32045	0.31863	0.33952							
	0.36068	+++++							AVRG		0.30883		12.88597
29 bromochloromethane	0.09827	0.10703	0.11574	0.12268	0.12234	0.12655							
	0.13726	+++++							AVRG		0.11855		10.87439
30 Cyclohexane	0.27172	0.28280	0.27145	0.31632	0.32172	0.35092							
	0.38952	+++++							AVRG		0.31492		14.02052
31 chloroform	0.38516	0.39851	0.40290	0.41757	0.40642	0.42282							
	0.44529	+++++							AVRG		0.41124		4.72809

FORM VI-8260-L

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Instrument ID: VOA108.I Calibration Date(s): 07-NOV-2015 07-NOV-2015

Calibration Times: 19:08 22:27

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
32 Ethyl Acetate	0.14312	0.14580	0.14502	0.14730	0.14601	0.14805						
	0.14975	+++++					AVRG		0.14644		1.47330	
33 carbontetrachloride	0.24715	0.32641	0.28459	0.32765	0.33194	0.36487						
	0.40307	+++++					AVRG		0.32652		15.52465	
34 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
35 tetrahydrofuran	+++++	0.03514	0.05018	0.05118	0.05059	0.05051						
	0.04965	+++++					AVRG		0.04788		13.06996	<-
37 1,1,1-trichloroethane	0.27255	0.35792	0.33269	0.36118	0.35627	0.38417						
	0.41238	+++++					AVRG		0.35388		12.36040	
38 2-butanone	1235	2242	8198	22949	63395	106489						
	196528	+++++					WLINR	-0.12301	0.05945		0.99940	
39 1,1-dichloropropene	0.24600	0.28478	0.25771	0.29218	0.28932	0.30875						
	0.33112	+++++					AVRG		0.28712		10.05005	

FORM VI-8260-L

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Instrument ID: VOA108.I Calibration Date(s): 07-NOV-2015 07-NOV-2015

Calibration Times: 19:08 22:27

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
40 benzene	0.79851	0.88609	0.83759	0.87698	0.87493	0.91909						
	0.99691	+++++					AVRG		0.88430		7.08888	
41 Tertiary-Amyl Methyl Ether	0.44270	0.44190	0.49562	0.52468	0.53427	0.55284						
	0.59073	+++++					AVRG		0.51182		10.85157	
43 1,2-dichloroethane	0.24814	0.26704	0.28482	0.28967	0.27827	0.28340						
	0.29388	+++++					AVRG		0.27789		5.64316	
44 2-methyl-2-butanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
45 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
47 methyl cyclohexane	0.25952	0.31911	0.29890	0.34216	0.35269	0.39073						
	0.45195	+++++					AVRG		0.34501		18.21613	
48 trichloroethene	0.19917	0.23932	0.22767	0.24367	0.25065	0.27049						
	0.31039	+++++					AVRG		0.24877		14.01386	

FORM VI-8260-L

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Instrument ID: VOA108.I Calibration Date(s): 07-NOV-2015 07-NOV-2015

Calibration Times: 19:08 22:27

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
49 Hexane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
50 dibromomethane	0.08392	0.12668	0.13935	0.14066	0.13840	0.14332						
	0.14993	+++++					AVRG		0.13175		16.85517	
52 1,2-dichloropropane	0.17873	0.21117	0.21183	0.22024	0.21797	0.22686						
	0.23777	+++++					AVRG		0.21494		8.56995	
53 bromodichloromethane	0.23809	0.28746	0.30887	0.33250	0.32571	0.33845						
	0.35583	+++++					AVRG		0.31242		12.60399	
184 methyl-methylacrylate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
51 4-penten-2-ol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
54 1,4-Dioxane	0.00070	0.00079	0.00114	0.00122	0.00108	0.00110						
	0.00109	+++++					AVRG		0.00102		18.99503	<-

FORM VI-8260-L

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Instrument ID: VOA108.I Calibration Date(s): 07-NOV-2015 07-NOV-2015

Calibration Times: 19:08 22:27

Compound	5.0000 Level 1 / 2000.0000 Level 10	20.0000 Level 2 / 2.0000 Level 11	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
55 2-Pentanone	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	
56 2-Chloroethylvinyl ether	0.06925 / 0.11477	0.10435 / +++++	0.11212	0.11575	0.11168	0.11380	AVRG		0.10596		15.67752	
57 cis-1,3-dichloropropene	0.25523 / 0.40502	0.29817 / +++++	0.34035	0.36363	0.36458	0.38259	AVRG		0.34422		15.00868	
59 toluene	0.64310 / 0.77935	0.72883 / +++++	0.68794	0.69523	0.69234	0.71819	AVRG		0.70643		5.95968	
60 4-methyl-2-pentanone	+++++ / 0.05938	0.04197 / +++++	0.04814	0.05394	0.05529	0.05815	AVRG		0.05281		12.51643	<-
61 tetrachloroethene	0.28095 / 0.36083	0.32669 / +++++	0.27817	0.31188	0.30674	0.32353	AVRG		0.31269		9.10748	
62 trans-1,3-dichloropropene	0.28525 / 0.39738	0.32891 / +++++	0.36803	0.39064	0.38013	0.38251	AVRG		0.36184		11.19443	

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6A

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Instrument ID: VOA108.I Calibration Date(s): 07-NOV-2015 07-NOV-2015

Calibration Times: 19:08 22:27

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	2000.0000 Level 10	2.0000 Level 11	Curve	Coefficients b	m1	m2	%RSD or R^2	
63 4-methyl-2-pentanol	+++++	+++++	+++++	+++++	+++++	+++++								
	+++++	+++++							AVRG		0.000e+000		0.000e+000	
64 Methyl Isothiocyanate	+++++	+++++	+++++	+++++	+++++	+++++								
	+++++	+++++							AVRG		0.000e+000		0.000e+000	
65 ethyl-methacrylate	0.20384	0.24603	0.28982	0.30936	0.31047	0.31711								
	0.33357	+++++							AVRG		0.28717		16.03860	
66 1,1,2-trichloroethane	0.15487	0.19384	0.19350	0.19364	0.18701	0.18928								
	0.20103	+++++							AVRG		0.18760		8.04089	
67 chlorodibromomethane	0.23241	0.24725	0.28914	0.30190	0.30134	0.30539								
	0.31852	+++++							AVRG		0.28514		11.36451	
68 1,3-dichloropropane	0.31811	0.35877	0.38140	0.38973	0.36523	0.36385								
	0.36888	+++++							AVRG		0.36371		6.27234	
69 Heptane	+++++	+++++	+++++	+++++	+++++	+++++								
	+++++	+++++							AVRG		0.000e+000		0.000e+000	<-

FORM VI-8260-L

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Instrument ID: VOA108.I Calibration Date(s): 07-NOV-2015 07-NOV-2015

Calibration Times: 19:08 22:27

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2
	2000.0000 Level 10	2.0000 Level 11									
70 1,2-dibromoethane	0.20363	0.22005	0.22512	0.23454	0.22678	0.22355					
	0.22705	+++++					AVRG		0.22296		4.30513
71 2-hexanone	0.10160	0.10653	0.11668	0.11981	0.11504	0.11241					
	0.11000	+++++					AVRG		0.11172		5.58821
73 chlorobenzene	0.78937	0.83071	0.82334	0.85192	0.83695	0.86157					
	0.94077	+++++					AVRG		0.84781		5.54744
74 ethyl benzene	1.25634	1.40620	1.34077	1.42219	1.43337	1.47595					
	1.61048	+++++					AVRG		1.42076		7.75550
75 1,1,1,2-tetrachloroethane	0.23241	0.28165	0.29668	0.31418	0.30671	0.31564					
	0.33462	+++++					AVRG		0.29741		11.11634
76 p/m xylene	0.45279	0.53291	0.52085	0.57397	0.59533	0.65269					
	0.77856	+++++					AVRG		0.58673		17.95172
77 o xylene	0.43893	0.50815	0.50989	0.55807	0.58563	0.63877					
	0.76024	+++++					AVRG		0.57138		18.34330

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6A

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Instrument ID: VOA108.I Calibration Date(s): 07-NOV-2015 07-NOV-2015

Calibration Times: 19:08 22:27

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	2000.0000 Level 10	2.0000 Level 11	Curve	Coefficients b	m1	m2	%RSD or R^2
78 styrene	0.69175	0.82326	0.90019	0.97527	1.04001	1.13459	+++++	+++++	AVRG		0.92751		17.04850
79 bromoform	388	2486	15509	55814	182386	315743	657339	+++++	WLINR	0.04203	0.37202		0.99789
80 isopropylbenzene	2.45232	2.72588	2.48500	2.63169	2.64619	2.79503	2.88631	+++++	AVRG		2.66035		5.91428
82 bromobenzene	0.62352	0.63525	0.62863	0.64952	0.62907	0.65382	0.66077	+++++	AVRG		0.64008		2.26039
83 n-propylbenzene	2.77748	3.05974	2.84639	3.06744	3.07582	3.24564	3.36339	+++++	AVRG		3.06227		6.69527
84 1,4-dichloro-2-butane	0.62044	0.65370	0.69219	0.67928	0.65130	0.64303	0.60884	+++++	AVRG		0.64983		4.56043
85 1,1,2,2,-tetrachloroethane	0.47324	0.49063	0.52651	0.51568	0.48334	0.47828	0.44938	+++++	AVRG		0.48815		5.34266

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VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Instrument ID: VOA108.I Calibration Date(s): 07-NOV-2015 07-NOV-2015

Calibration Times: 19:08 22:27

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	2000.0000 Level 10	2.0000 Level 11	Curve	Coefficients b	m1	m2	%RSD or R^2	
86 4-ethyltoluene	2.33061	2.72338	2.62351	2.82126	2.87711	3.06100								
	3.27734	+++++							AVRG		2.81632		10.82691	
87 Butyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++								
	+++++	+++++							AVRG		0.000e+000		0.000e+000	<-
88 2-chlorotoluene	1.71588	1.82909	1.73438	1.80682	1.75524	1.79713								
	1.80708	+++++							AVRG		1.77795		2.40080	
89 1,3,5-trimethybenzene	1.92636	2.05057	2.03676	2.16105	2.18362	2.33789								
	2.53627	+++++							AVRG		2.17608		9.45004	
90 1,2,3-trichloropropane	0.32208	0.39129	0.39693	0.38618	0.39534	0.40373								
	0.40640	+++++							AVRG		0.38599		7.51641	
91 trans-1,4-dichloro-2-butene	+++++	0.10976	0.14847	0.14741	0.13667	0.13637								
	0.12520	+++++							AVRG		0.13398		10.90119	
92 4-chorotoluene	1.64030	1.78153	1.77906	1.84297	1.77966	1.86760								
	1.91182	+++++							AVRG		1.80042		4.84292	

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VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Instrument ID: VOA108.I Calibration Date(s): 07-NOV-2015 07-NOV-2015

Calibration Times: 19:08 22:27

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	2000.0000 Level 10	2.0000 Level 11	Curve	Coefficients b	m1	m2	%RSD or R^2
93 tert-butylbenzene	1.80376	2.07989	1.98782	2.18267	2.23644	2.43538							
	2.66740	+++++							AVRG		2.19905		13.02103
94 1,2,4-trimethylbenzene	1.81870	1.98825	1.95441	2.07734	2.07466	2.17004							
	2.30489	+++++							AVRG		2.05547		7.61438
95 sec-butylbenzene	2.23833	2.51363	2.36245	2.60306	2.59953	2.77487							
	2.93975	+++++							AVRG		2.57594		9.19574
96 p-isopropyltoluene	1.77256	1.99151	1.91978	2.16630	2.23686	2.41474							
	2.63798	+++++							AVRG		2.16282		13.81221
97 1,3-dichlorobenzene	1.15036	1.21252	1.19620	1.25778	1.25063	1.30479							
	1.37633	+++++							AVRG		1.24980		5.95611
99 1,4-dichlorobenzene	1.16047	1.22837	1.20975	1.25818	1.23610	1.30070							
	1.37356	+++++							AVRG		1.25245		5.46967
100 p-Diethylbenzene	1.10335	1.17604	1.15005	1.30419	1.34763	1.45979							
	1.61479	+++++							AVRG		1.30798		14.06249

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6A

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Instrument ID: VOA108.I Calibration Date(s): 07-NOV-2015 07-NOV-2015

Calibration Times: 19:08 22:27

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2
	2000.0000 Level 10	2.0000 Level 11									
101 n-butylbenzene	1.57703	1.66612	1.60260	1.80059	1.81555	1.93695					
	2.05853	+++++					AVRG		1.77962		9.98725
102 1,2-dichlorobenzene	1.06204	1.05921	1.08133	1.12935	1.10281	1.15870					
	1.20500	+++++					AVRG		1.11406		4.83506
103 1,2,4,5-tetramethylbenzene	1.51551	1.62650	1.72636	1.93406	1.92126	2.03788					
	2.16444	+++++					AVRG		1.84657		12.57181
104 1,2-dibromo-3-chloropropane	0.11556	0.15276	0.18075	0.18666	0.18214	0.18885					
	0.19260	+++++					AVRG		0.17133		16.25611
105 1,3,5-trichlorobenzene	0.48642	0.58813	0.58486	0.63335	0.63006	0.66492					
	0.72822	+++++					AVRG		0.61656		12.21258
106 hexachlorobutadiene	228	1764	8675	32654	95942	170130					
	367573	+++++					WLINR	0.03186	0.20456		0.99651
107 1,2,4-trichlorobenzene	0.47456	0.41724	0.47581	0.52135	0.51165	0.53646					
	0.57447	+++++					AVRG		0.50165		10.14174

FORM VI-8260-L

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Instrument ID: VOA108.I Calibration Date(s): 07-NOV-2015 07-NOV-2015

Calibration Times: 19:08 22:27

Compound	5.0000 Level 1 / 2000.0000 Level 10	20.0000 Level 2 / 2.0000 Level 11	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
108 naphthalene	1.01459	1.05031	1.20944	1.29525	1.29764	1.31769						
	1.29090	+++++					AVRG		1.21083		10.48854	
109 1,2,3-trichlorobenzene	0.36207	0.37099	0.41633	0.44972	0.44337	0.47076						
	0.48795	+++++					AVRG		0.42874		11.21019	
185 n-butanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
186 Camphor	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
187 chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
188 Pentachloroethane	686	3295	20449	70605	225468	396945						
	839053	+++++					WLINR	0.03304	0.47018		0.99713	
$ 36 dibromofluoromethane	0.26485	0.26840	0.27287	0.27226	0.27934	0.27986						
	0.28823	0.26157					AVRG		0.27342		3.20227	

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6A

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Instrument ID: VOA108.I Calibration Date(s): 07-NOV-2015 07-NOV-2015

Calibration Times: 19:08 22:27

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2
	2000.0000 Level 10	2.0000 Level 11									
$ 42 1,2-dichloroethane-d4	0.29048	0.29173	0.29419	0.29764	0.29966	0.30142					
	0.30998	0.28677					AVRG		0.29648		2.47246
$ 58 toluene-d8	1.28875	1.28326	1.25433	1.23611	1.18285	1.13730					
	1.11753	1.25917					AVRG		1.21991		5.40385
$ 81 4-bromofluorobenzene	0.88384	0.86474	0.80366	0.80838	0.77998	0.75790					
	0.68970	0.88047					AVRG		0.80858		8.30014

FORM VI-8260-L

6A

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Instrument ID: VOA108.I Calibration Date(s): 07-NOV-2015 07-NOV-2015

Calibration Times: 19:08 22:27

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

FORM VI-8260-L

7A

Volatile Organics CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Instrument ID: Voa108.i Calibration Date: 30-DEC-2015 Time: 07:52

Lab File ID: 1230A02 Init. Calib. Date(s): 07-NOV-2 07-NOV-2

Sample No: wg854069-7, cca Init. Calib. Times : 19:08 22:27

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.19365	.19039	.05	-2	20	
chloromethane	.19776	.2177	.05	10	20	
vinyl chloride	.25445	.23931	.05	-6	20	
bromomethane	100	97.954	.05	-2	20	
chloroethane	.26674	.19308	.05	-28	20	F
trichlorofluoromethane	.61572	.44972	.05	-27	20	F
1,1,-dichloroethene	.34379	.24519	.05	-29	20	F
freon-113	.34939	.24365	.05	-30	20	F
carbon disulfide	1.0207	.66176	.05	-35	20	F
methylene chloride	.21384	.21435	.05	0	20	
acetone	100	58.729	.05	-41	20	F
trans-1,2-dichloroethene	.2119	.21898	.05	3	20	
Methyl Acetate	.08915	.08459	.05	-5	20	
methyl tert butyl ether	.48369	.43045	.05	-11	20	
1,1-dichloroethane	.38076	.3876	.05	2	20	
vinyl acetate	.4522	.42239	.05	-7	20	
cis-1,2-dichloroethene	.25067	.24818	.05	-1	20	
bromochloromethane	.11855	.12242	.05	3	20	
Cyclohexane	.31492	.30568	.05	-3	20	
chloroform	.41124	.40899	.05	-1	20	
carbontetrachloride	.32652	.34398	.05	5	20	
1,1,1-trichloroethane	.35388	.36714	.05	4	20	
2-butanone	100	74.896	.05	-25	20	F
benzene	.8843	.85411	.05	-3	20	
1,2-dichloroethane	.27789	.25964	.05	-7	20	
methyl cyclohexane	.34501	.31752	.05	-8	20	
trichloroethene	.24877	.2416	.05	-3	20	
1,2-dichloropropane	.21494	.21488	.05	0	20	
bromodichloromethane	.31242	.29935	.05	-4	20	
cis-1,3-dichloropropene	.34422	.33592	.05	-2	20	
toluene	.70643	.71414	.05	1	20	
4-methyl-2-pentanone	.05281	.04143	.05	-22	20	F
tetrachloroethene	.31269	.32046	.05	2	20	
trans-1,3-dichloropropene	.36184	.35311	.05	-2	20	
1,1,2-trichloroethane	.1876	.18275	.05	-3	20	
chlorodibromomethane	.28514	.29426	.05	3	20	
1,2-dibromoethane	.22296	.21762	.05	-2	20	
2-hexanone	.11172	.08511	.05	-24	20	F

FORM VII 8260

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Instrument ID: Voa108.i Calibration Date: 30-DEC-2015 Time: 07:52

Lab File ID: 1230A02 Init. Calib. Date(s): 07-NOV-2 07-NOV-2

Sample No: wg854069-7, cca Init. Calib. Times : 19:08 22:27

Compound	RRF	RRF	MIN RRF	%D	MAX %D
chlorobenzene	.84781	.84093	.05	-1	20
ethyl benzene	1.4207	1.3410	.05	-6	20
p/m xylene	.58673	.536	.05	-9	20
o xylene	.57138	.47536	.05	-17	20
styrene	.92751	.80135	.05	-14	20
bromoform	100	95.704	.05	-4	20
isopropylbenzene	2.6603	2.7086	.05	2	20
1,1,2,2,-tetrachloroethane	.48815	.5023	.05	3	20
1,3-dichlorobenzene	1.2498	1.2868	.05	3	20
1,4-dichlorobenzene	1.2524	1.2583	.05	0	20
1,2-dichlorobenzene	1.1140	1.1341	.05	2	20
1,2-dibromo-3-chloropropane	.17133	.15695	.05	-8	20
1,2,4-trichlorobenzene	.50165	.452	.05	-10	20
1,2,3-trichlorobenzene	.42874	.39042	.05	-9	20
dibromofluoromethane	.27342	.28255	.05	3	30
1,2-dichloroethane-d4	.29648	.27362	.05	-8	30
toluene-d8	1.2199	1.2496	.05	2	30
4-bromofluorobenzene	.80858	.85275	.05	5	30

FORM VII 8260

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Instrument ID: Voa108.i Calibration Date: 31-DEC-2015 Time: 09:40

Lab File ID: 1231B01 Init. Calib. Date(s): 07-NOV-2 07-NOV-2

Sample No: wg853951-7, cca Init. Calib. Times : 19:08 22:27

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.19365	.21807	.05	13	20	
chloromethane	.19776	.24742	.05	25	20	F
vinyl chloride	.25445	.24812	.05	-2	20	
bromomethane	100	80.564	.05	-19	20	
chloroethane	.26674	.2102	.05	-21	20	F
trichlorofluoromethane	.61572	.46913	.05	-24	20	F
ethyl ether	.19753	.13104	.05	-34	20	F
1,1,-dichloroethene	.34379	.25347	.05	-26	20	F
carbon disulfide	1.0207	.68259	.05	-33	20	F
freon-113	.34939	.25766	.05	-26	20	F
iodomethane	100	57.285	.05	-43	20	F
methylene chloride	.21384	.21887	.05	2	20	
acetone	100	74.957	.05	-25	20	F
trans-1,2-dichloroethene	.2119	.22034	.05	4	20	
Methyl Acetate	.08915	.10213	.05	15	20	
acrolein	100	174	.05	74	20	F
methyl tert butyl ether	.48369	.43282	.05	-11	20	
Tert-Butyl Alcohol	.00965	.01182	.05	23	20	F
Diisopropyl Ether	.64037	.65123	.05	2	20	
1,1-dichloroethane	.38076	.39625	.05	4	20	
halothane	.16865	.1798	.05	7	20	
acrylonitrile	.04932	.05341	.05	8	20	F
Ethyl-Tert-Butyl-Ether	.57754	.54435	.05	-6	20	
vinyl acetate	.4522	.45581	.05	1	20	
cis-1,2-dichloroethene	.25067	.23915	.05	-5	20	
2,2-dichloropropane	.30883	.33881	.05	10	20	
Cyclohexane	.31492	.32085	.05	2	20	
bromochloromethane	.11855	.12449	.05	5	20	
chloroform	.41124	.40725	.05	-1	20	
Ethyl Acetate	.14644	.15214	.05	4	20	
carbontetrachloride	.32652	.34027	.05	4	20	
tetrahydrofuran	.04788	.05159	.05	8	20	F
1,1,1-trichloroethane	.35388	.36813	.05	4	20	
2-butanone	100	93.729	.05	-6	20	
1,1-dichloropropene	.28712	.28871	.05	1	20	
benzene	.8843	.86981	.05	-2	20	
Tertiary-Amyl Methyl Ether	.51182	.44052	.05	-14	20	
1,2-dichloroethane	.27789	.27465	.05	-1	20	

FORM VII 8260

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Instrument ID: Voa108.i Calibration Date: 31-DEC-2015 Time: 09:40

Lab File ID: 1231B01 Init. Calib. Date(s): 07-NOV-2 07-NOV-2

Sample No: wg853951-7, cca Init. Calib. Times : 19:08 22:27

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
methyl cyclohexane	.34501	.3102	.05	-10	20	
trichloroethene	.24877	.24408	.05	-2	20	
dibromomethane	.13175	.13393	.05	2	20	
1,2-dichloropropane	.21494	.21476	.05	0	20	
bromodichloromethane	.31242	.29325	.05	-6	20	
1,4-Dioxane	.00102	.0011	.05	9	20	F
2-Chloroethylvinyl ether	.10596	.0947	.05	-11	20	
cis-1,3-dichloropropene	.34422	.32344	.05	-6	20	
toluene	.70643	.7157	.05	1	20	
tetrachloroethene	.31269	.31488	.05	1	20	
4-methyl-2-pentanone	.05281	.0422	.05	-20	20	F
trans-1,3-dichloropropene	.36184	.35808	.05	-1	20	
ethyl-methacrylate	.28717	.22796	.05	-21	20	F
1,1,2-trichloroethane	.1876	.1844	.05	-2	20	
chlorodibromomethane	.28514	.29429	.05	3	20	
1,3-dichloropropane	.36371	.36755	.05	1	20	
1,2-dibromoethane	.22296	.22852	.05	2	20	
2-hexanone	.11172	.09868	.05	-12	20	
chlorobenzene	.84781	.84425	.05	0	20	
ethyl benzene	1.4207	1.3233	.05	-7	20	
1,1,1,2-tetrachloroethane	.29741	.30665	.05	3	20	
p/m xylene	.58673	.53623	.05	-9	20	
o xylene	.57138	.491	.05	-14	20	
styrene	.92751	.81275	.05	-12	20	
bromoform	100	86.034	.05	-14	20	
isopropylbenzene	2.6603	2.4987	.05	-6	20	
bromobenzene	.64008	.62846	.05	-2	20	
n-propylbenzene	3.0622	2.7996	.05	-9	20	
1,4-dichloro-2-butane	.64983	.6507	.05	0	20	
1,1,2,2,-tetrachloroethane	.48815	.52082	.05	7	20	
4-ethyltoluene	2.8163	2.3129	.05	-18	20	
2-chlorotoluene	1.7779	1.7101	.05	-4	20	
1,3,5-trimethybenzene	2.1760	1.9953	.05	-8	20	
1,2,3-trichloropropane	.38599	.38175	.05	-1	20	
trans-1,4-dichloro-2-butene	.13398	.13322	.05	-1	20	
4-chorotoluene	1.8004	1.6975	.05	-6	20	
tert-butylbenzene	2.1990	1.5572	.05	-29	20	F
1,2,4-trimethylbenzene	2.0554	1.8670	.05	-9	20	

FORM VII 8260

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Instrument ID: Voa108.i Calibration Date: 31-DEC-2015 Time: 09:40

Lab File ID: 1231B01 Init. Calib. Date(s): 07-NOV-2 07-NOV-2

Sample No: wg853951-7, cca Init. Calib. Times : 19:08 22:27

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
sec-butylbenzene	2.5759	2.2573	.05	-12	20	
p-isopropyltoluene	2.1628	1.7520	.05	-19	20	
1,3-dichlorobenzene	1.2498	1.1964	.05	-4	20	
1,4-dichlorobenzene	1.2524	1.1998	.05	-4	20	
p-Diethylbenzene	1.3079	.8837	.05	-32	20	F
n-butylbenzene	1.7796	1.4765	.05	-17	20	
1,2-dichlorobenzene	1.1140	1.0970	.05	-2	20	
1,2,4,5-tetramethylbenzene	1.8465	1.3097	.05	-29	20	F
1,2-dibromo-3-chloropropane	.17133	.16278	.05	-5	20	
1,3,5-trichlorobenzene	.61656	.52725	.05	-14	20	
hexachlorobutadiene	100	74.428	.05	-26	20	F
1,2,4-trichlorobenzene	.50165	.43977	.05	-12	20	
naphthalene	1.2108	1.0925	.05	-10	20	
1,2,3-trichlorobenzene	.42874	.39035	.05	-9	20	
Pentachloroethane	------	------	.05	---	20	F
dibromofluoromethane	.27342	.28966	.05	6	30	
1,2-dichloroethane-d4	.29648	.28132	.05	-5	30	
toluene-d8	1.2199	1.2616	.05	3	30	
4-bromofluorobenzene	.80858	.76531	.05	-5	30	

FORM VII 8260

8A

VOLATILE ORGANICS INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Lab File ID (Standard): 1231B01_ccal Date Analyzed: 31-DEC-2015

Instrument ID : Voa108.i Time Analyzed: 09:40

		IS1(FLB) AREA	RT	IS2(CBZ) AREA	RT	IS3(DCB) AREA	RT
	12 HOUR STD	95986	6.05	74653	9.58	39175	12.27
	UPPER LIMIT	191972	6.55	149306	10.08	78350	12.77
	LOWER LIMIT	47993	5.55	37327	9.08	19588	11.77
	EPA SAMPLE NO.						
01	WG853951-8LCS	95986	6.05	74653	9.58	39175	12.27
02	WG853951-9LCSD	92056	6.05	72965	9.58	36608	12.27
03	WG853951-10BLANK	78789	6.05	61073	9.58	26266	12.27
04	DUP-20151217	73196	6.05	56093	9.58	24244	12.27
05	TRIP BLANK-20151217	71722	6.05	55511	9.58	23568	12.27
06	SW-3A-20151217	69024	6.05	53514	9.58	23193	12.27
07	SW-3B-20151217	68750	6.05	53373	9.58	22482	12.27
08	SW-3C-20151217	67149	6.05	52470	9.58	21083	12.27
09	EB20151217	65458	6.05	51768	9.58	21893	12.27

IS1(FLB) = FLOUROBENZENE
IS2(CBZ) = CHLOROBENZENE-D5
IS3(DCB) = 1,4-DICHLOROBENZENE-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50 % of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

* Values outside of QC limits.

8A

VOLATILE ORGANICS INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alpha Analytical Labs

SDG No.: L1533592

Lab File ID (Standard): 1230A02_ccal Date Analyzed: 30-DEC-2015

Instrument ID : Voa108.i Time Analyzed: 07:52

		IS1(FLB) AREA	RT	IS2(CBZ) AREA	RT	IS3(DCB) AREA	RT
	12 HOUR STD	119032	6.05	94214	9.57	46084	12.27
	UPPER LIMIT	238064	6.55	188428	10.07	92168	12.77
	LOWER LIMIT	59516	5.55	47107	9.07	23042	11.77
	EPA SAMPLE NO.						
01	WG854069-1LCS	119032	6.05	94214	9.57	46084	12.27
02	WG854069-2LCSD	112113	6.05	90522	9.57	45391	12.27
03	WG854069-3BLANK	94297	6.05	73325	9.58	30289	12.27
04	SW-2B-20151217	93314	6.05	72057	9.58	33078	12.27
05	SW-2B-20151217MS	95111	6.05	76594	9.58	39399	12.27
06	SW-2B-20151217MSD	98724	6.05	77544	9.58	40230	12.27
07	SW-1A-20151217	92792	6.05	71174	9.58	32601	12.27
08	SW-1B-20151217	90100	6.05	69651	9.57	31195	12.27
09	SW-1C-20151217	84380	6.05	64544	9.58	29054	12.27
10	SW-2A-20151217	82939	6.05	64527	9.58	29414	12.27
11	SW-2C-20151217	79162	6.05	61753	9.58	26929	12.27

IS1(FLB) = FLOUROBENZENE
IS2(CBZ) = CHLOROBENZENE-D5
IS3(DCB) = 1,4-DICHLOROBENZENE-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50 % of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

* Values outside of QC limits.

ALPHA ANALYTICAL

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Lab Number: L1607846

Client: Anchor QEA, LLC

ATTN: Cindy Fields

Project Name: FORMER GLEN FALLS OU-2

Project Number: E50593-01.01

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SW3C 20160316 (L1607846-09) Analyzed: 03/29/16 14:55 1610
TRIP BLANK (L1607846-10) Analyzed: 03/29/16 15:19 1619
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Laboratory Method Bl (WG878773-5) Analyzed: 03/29/16 10:35 1630
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LCS Raw Data 1637
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LCS Duplicate Raw Data 1698
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Sample Delivery Group Information

Sample Delivery Group Form

Laboratory Job number: L1607846
Project Manager: Elizabeth Porta **Review Date:** 03/20/2016
Project Number: E50593-01.01
Project Name: FORMER GLEN FALLS OU-2 **Received:** 03/17/2016 12:09
Client Account: Anchor QEA, LLC **Received by:** GP/SH

Samples Delivered by: COURIER **Call Tracker #**
Bill Of Laden N/A **Trackingnum**
Coc Present Present

Container Status Intact **Sample IDs** Received in Mansfield on 3/18/16 @06:00@2.1, 2.3C, 9829.

All Containers Accounted For? Yes

Were Extra Samples Received? No

Do Sample Labels and COC agree? Yes

Are Samples in Appropriate Containers? Yes

Are Samples Received within Holding time? Yes

pH of Samples upon Receipt 7 **Are samples Properly Preserved?** Yes
Initial pH **preserved in house with** **Final pH**
Other Issues
Chlorine Check N/A

Are VOA/VPH Vials Present? Yes
Aqueous: Do Vials Contain Head Space? Yes (-09B)"SW3C 20160316" contains hs.
Soils: Is MeOHCovering the Soil? N/A
Reagent H2O Preserved vials Frozen on N/A
Frozen by Client N/A

Cooler	Seal	Ice Present	Blue Ice Present	Temp. (Celsius)	Frozen upon Receipt	Delivered Direct from Site
C	Absent	Yes	No	4.2 - IR Gun	No	No

D	Absent	Yes	No	5.5 - IR Gun	No	No
A	Absent	Yes	No	4.9 - IR Gun	No	No
B	Absent	Yes	No	4.2 - IR Gun	No	No

LIMS Chain of Custody

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Apr 08 2016, 05:20 pm

Login Number: L1607846
Account: ANCHOR Anchor QEA, LLCProject: E50593-01.01
Received: 17MAR16 Due Date: 07APR16

Sample #	Client ID	Mat	PR	Collected	Container
L1607846-01	SW1A 20160316	S0	1	16MAR16 10:20	4-Amber-A1,1-Plastic-A1,2-SVial-D,2-Vial-A,3-Vial-B,2-Vial-D

SVOC; No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made WET: For DOC filter volume from 1L amber container J DPKG-FULL Package Due Date: 04/07/16

8260,A2-PAH-8270SIM,A2-SVOC-8270,DOC-5310,DPKG-FULL,TOC-5310,TSS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1607846-02	SW1B 20160316	S0	1	16MAR16 10:15	4-Amber-A1,1-Plastic-A1,2-SVial-D,2-Vial-A,3-Vial-B,2-Vial-D

SVOC; No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made WET: For DOC filter volume from 1L amber container J Package Due Date: 04/07/16

8260,A2-PAH-8270SIM,A2-SVOC-8270,DOC-5310,TOC-5310,TSS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1607846-03	SW1C 20160316	S0	1	16MAR16 10:05	4-Amber-A1,1-Plastic-A1,2-SVial-D,2-Vial-A,3-Vial-B,2-Vial-D

SVOC; No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made WET: For DOC filter volume from 1L amber container J Package Due Date: 04/07/16

8260,A2-PAH-8270SIM,A2-SVOC-8270,DOC-5310,TOC-5310,TSS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1607846-04	SW2A 20160316	S0	1	16MAR16 10:50	4-Amber-A1,1-Plastic-A1,2-SVial-D,2-Vial-A,3-Vial-B,2-Vial-D

SVOC; No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made WET: For DOC filter volume from 1L amber container J Package Due Date: 04/07/16

8260,A2-PAH-8270SIM,A2-SVOC-8270,DOC-5310,TOC-5310,TSS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1607846-05	SW2C 20160316	S0	1	16MAR16 10:35	4-Amber-A1,1-Plastic-A1,2-SVial-D,2-Vial-A,3-Vial-B,2-Vial-D

SVOC; No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made WET: For DOC filter volume from 1L amber container J Package Due Date: 04/07/16

8260,A2-PAH-8270SIM,A2-SVOC-8270,DOC-5310,TOC-5310,TSS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1607846-06	SW2B 20160316	S0	1	16MAR16 10:45	4-Amber-A1,1-Plastic-A1,2-SVial-D,2-Vial-A,3-Vial-B,2-Vial-D

SVOC; No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made WET: For DOC filter volume from 1L amber container J Package Due Date: 04/07/16

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Apr 08 2016, 05:20 pm

Login Number: L1607846
Account: ANCHOR Anchor QEA, LLCProject: E50593-01.01
Received: 17MAR16 Due Date: 07APR16

Sample #	Client ID	Mat	PR	Collected	Container

8260,A2-PAH-8270SIM,A2-SVOC-8270,DOC-5310,TOC-5310,TSS-2540

L1607846-07 SW3A 20160316 1 S0 16MAR16 08:50 4-Amber-A1,1-Plastic-A1,2-SVial-D,2-Vial-A,3-Vial-B,2-Vial-D

SVOC: No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made WET: For DOC filter volume from 1L amber container J Package Due Date: 04/07/16

8260,A2-PAH-8270SIM,A2-SVOC-8270,DOC-5310,TOC-5310,TSS-2540

L1607846-08 SW3B 20160316 1 S0 16MAR16 08:40 4-Amber-A1,1-Plastic-A1,2-SVial-D,2-Vial-A,3-Vial-B,2-Vial-D

SVOC: No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made WET: For DOC filter volume from 1L amber container J Package Due Date: 04/07/16

8260,A2-PAH-8270SIM,A2-SVOC-8270,DOC-5310,TOC-5310,TSS-2540

L1607846-09 SW3C 20160316 1 S0 16MAR16 08:35 4-Amber-A1,1-Plastic-A1,2-SVial-D,1-Vial-A,3-Vial-B,2-Vial-D

8260: Use vial B for screening only. SVOC: No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made WET: For DOC filter volume from 1L amber container J Package Due Date: 04/07/16

8260,A2-PAH-8270SIM,A2-SVOC-8270,DOC-5310,TOC-5310,TSS-2540

L1607846-10 TRIP BLANK 1 S0 16MAR16 00:00 2-Vial-B

SVOC: No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made WET: For DOC filter volume from 1L amber container J Package Due Date: 04/07/16

8260

Logged By: Elizabeth Porta

Container Tracking

ALPHA ANALYTICAL LABORATORIES
Container Tracking Report

Container ID	Type	Status	Transaction Date	From Response	From Location	From Operator	To Response	To Location	To Operator
L1607846-01A	Vial-B	INTACT	29-MAR-16	CUSTODY	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1607846-01A	Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott
L1607846-01A	Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-01B	Vial-B	INTACT	08-APR-16		VOA DEAD FRIDGE	CUSTODY Sam Bardsley	VOA DEAD	FRIDGE CUSTODY	VOA DEAD FRIDGE CUSTODY Sam Bardsley
L1607846-01B	Vial-B	INTACT	28-MAR-16	GC/MS	GC/MS	Jackingson Celestin	CUSTODY	VOA DEAD FRIDGE	CUSTODY Jackingson Celestin
L1607846-01B	Vial-B	INTACT	28-MAR-16	CUSTODY	VOA CUSTODY	Jackingson Celestin	GC/MS	GC/MS	Jackingson Celestin
L1607846-01B	Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott
L1607846-01B	Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-01C	Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott
L1607846-01C	Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-01D	Vial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-01D	Vial-D	INTACT	30-MAR-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1607846-01D	Vial-D	INTACT	18-MAR-16	CUSTODY	CUSTODY	Sharon Hoffman	WALK-IN CUSTODY	WALK-IN CUSTODY	Sharon Hoffman
L1607846-01D	Vial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-01E	Vial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-01E	Vial-D	INTACT	30-MAR-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1607846-01E	Vial-D	INTACT	18-MAR-16	CUSTODY	CUSTODY	Sharon Hoffman	WALK-IN CUSTODY	WALK-IN CUSTODY	Sharon Hoffman
L1607846-01E	Vial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-01F	Vial-A	EMPTY	18-MAR-16		WETCHEM	Lee Krasin	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Lee Krasin
L1607846-01F	Vial-A	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-01F	Vial-A	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-01G	Vial-A	EMPTY	18-MAR-16		WETCHEM	Lee Krasin	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Lee Krasin
L1607846-01G	Vial-A	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-01G	Vial-A	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-01H	Plastic-A1	EMPTY	22-MAR-16	WETCHEM	WETCHEM	Andrew Schult	CUSTODY	RETURN WALK-IN CUSTODY	Andrew Schult

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1607846-01H	Plastic-A1	INTACT	22-MAR-16	WETCHEM	W3-S5-C CUSTODY	Samantha Garner	WETCHEM	WETCHEM	Samantha Garner
L1607846-01H	Plastic-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Sharon Hoffman	W3-S5-C CUSTODY	W3-S5-C CUSTODY	Sharon Hoffman
L1607846-01H	Plastic-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-01J	Amber-A1	EMPTY	23-MAR-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald
L1607846-01J	Amber-A1	INTACT	23-MAR-16	CUSTODY	A2-CUSTODY-REFRIG-A2	Sarah Barr	A2-ORGANIC PREP	A2-ORGANIC PREP	Sarah Barr
L1607846-01J	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-01J	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-01J	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-01K	Amber-A1	EMPTY	23-MAR-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald
L1607846-01K	Amber-A1	INTACT	23-MAR-16	CUSTODY	A2-CUSTODY-REFRIG-A2	Joseph MacDonald	A2-ORGANIC PREP	A2-ORGANIC PREP	Joseph MacDonald
L1607846-01K	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-01K	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-01K	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-01L	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-01L	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-01X	SVial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-01X	SVial-D	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-01X	SVial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-01Y	SVial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-01Y	SVial-D	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-01Y	SVial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-02A	Vial-B	INTACT	29-MAR-16	GC/MS	GC/MS	Piotr Duczmalewski	CUSTODY	VOA DEAD FRIDGE	CUSTODY Piotr Duczmalewski
L1607846-02A	Vial-B	INTACT	29-MAR-16	CUSTODY	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1607846-02A	Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott
L1607846-02A	Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1607846-02B	Vial-B	INTACT	08-APR-16		VOA DEAD FRIDGE	CUSTODY Sam Bardsley	VOA DEAD	FRIDGE CUSTODY	VOA DEAD FRIDGE CUSTODY Sam Bardsley
L1607846-02B	Vial-B	INTACT	28-MAR-16	GC/MS	GC/MS	Jackingson Celestin	CUSTODY	VOA DEAD FRIDGE	CUSTODY Jackingson Celestin
L1607846-02B	Vial-B	INTACT	28-MAR-16	CUSTODY	VOA CUSTODY	Jackingson Celestin	GC/MS	GC/MS	Jackingson Celestin
L1607846-02B	Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott
L1607846-02B	Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-02C	Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott
L1607846-02C	Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-02D	Vial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-02D	Vial-D	INTACT	30-MAR-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1607846-02D	Vial-D	INTACT	18-MAR-16	CUSTODY	CUSTODY	Sharon Hoffman	WALK-IN CUSTODY	WALK-IN CUSTODY	Sharon Hoffman
L1607846-02D	Vial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-02E	Vial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-02E	Vial-D	INTACT	30-MAR-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1607846-02E	Vial-D	INTACT	18-MAR-16	CUSTODY	CUSTODY	Sharon Hoffman	WALK-IN CUSTODY	WALK-IN CUSTODY	Sharon Hoffman
L1607846-02E	Vial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-02F	Vial-A	EMPTY	18-MAR-16		WETCHEM	Lee Krasin	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Lee Krasin
L1607846-02F	Vial-A	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-02F	Vial-A	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-02G	Vial-A	EMPTY	18-MAR-16		WETCHEM	Lee Krasin	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Lee Krasin
L1607846-02G	Vial-A	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-02G	Vial-A	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-02H	Plastic-A1	EMPTY	22-MAR-16	WETCHEM	WETCHEM	Andrew Schult	CUSTODY	RETURN WALK-IN CUSTODY	Andrew Schult
L1607846-02H	Plastic-A1	INTACT	22-MAR-16	WETCHEM	W3-S5-C CUSTODY	Samantha Garner	WETCHEM	WETCHEM	Samantha Garner
L1607846-02H	Plastic-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Sharon Hoffman	W3-S5-C CUSTODY	W3-S5-C CUSTODY	Sharon Hoffman
L1607846-02H	Plastic-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips

Container ID	Type	Status	Transaction Date	From Response	Location	Operator	To Response	Location	Operator
L1607846-02I	Amber-A1	EMPTY	23-MAR-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald
L1607846-02I	Amber-A1	INTACT	23-MAR-16	CUSTODY	A2-CUSTODY-REFRIG-A2	Joseph MacDonald	A2-ORGANIC PREP	A2-ORGANIC PREP	Joseph MacDonald
L1607846-02I	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-02I	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-02I	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-02J	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-02J	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-02J	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-02K	Amber-A1	EMPTY	23-MAR-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald
L1607846-02K	Amber-A1	INTACT	23-MAR-16	CUSTODY	A2-CUSTODY-REFRIG-A2	Sarah Barr	A2-ORGANIC PREP	A2-ORGANIC PREP	Sarah Barr
L1607846-02K	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-02K	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-02K	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-02L	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-02L	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-02L	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-02X	SVial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-02X	SVial-D	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-02X	SVial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-02Y	SVial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-02Y	SVial-D	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-02Y	SVial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-03A	Vial-B	INTACT	29-MAR-16	GC/MS	GC/MS	Piotr Duczmalewski	CUSTODY	VOA DEAD FRIDGE	CUSTODY Piotr Duczmalewski
L1607846-03A	Vial-B	INTACT	29-MAR-16	CUSTODY	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1607846-03A	Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1607846-03A	Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-03B	Vial-B	INTACT	06-APR-16		VOA DEAD FRIDGE	CUSTODY Sam Bardsley	VOA DEAD FRIDGE CUSTODY		VOA DEAD FRIDGE CUSTODY Sam Bardsley
L1607846-03B	Vial-B	INTACT	28-MAR-16	GC/MS	GC/MS	Jackingson Celestin	CUSTODY	VOA DEAD FRIDGE	CUSTODY Jackingson Celestin
L1607846-03B	Vial-B	INTACT	28-MAR-16	CUSTODY	VOA CUSTODY	Jackingson Celestin	GC/MS	GC/MS	Jackingson Celestin
L1607846-03B	Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott
L1607846-03B	Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-03C	Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott
L1607846-03C	Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-03D	Vial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-03D	Vial-D	INTACT	30-MAR-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1607846-03D	Vial-D	INTACT	18-MAR-16	CUSTODY	CUSTODY	Sharon Hoffman	WALK-IN CUSTODY	WALK-IN CUSTODY	Sharon Hoffman
L1607846-03D	Vial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-03E	Vial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-03E	Vial-D	INTACT	30-MAR-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1607846-03E	Vial-D	INTACT	18-MAR-16	CUSTODY	CUSTODY	Sharon Hoffman	WALK-IN CUSTODY	WALK-IN CUSTODY	Sharon Hoffman
L1607846-03E	Vial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-03F	Vial-A	EMPTY	18-MAR-16		WETCHEM	Lee Krasin	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Lee Krasin
L1607846-03F	Vial-A	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-03F	Vial-A	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-03G	Vial-A	EMPTY	18-MAR-16		WETCHEM	Lee Krasin	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Lee Krasin
L1607846-03G	Vial-A	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-03G	Vial-A	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-03H	Plastic-A1	EMPTY	22-MAR-16	WETCHEM	WETCHEM	Andrew Schult	CUSTODY	RETURN WALK-IN CUSTODY	Andrew Schult
L1607846-03H	Plastic-A1	INTACT	22-MAR-16	WETCHEM	W3-S5-C CUSTODY	Samantha Garner	WETCHEM	WETCHEM	Samantha Garner
L1607846-03H	Plastic-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Sharon Hoffman	W3-S5-C CUSTODY	W3-S5-C CUSTODY	Sharon Hoffman

Container ID	Type	Status	Transaction Date	From Response	Location	Operator	To Response	Location	Operator
L1607846-03H	Plastic-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-03I	Amber-A1	EMPTY	23-MAR-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald
L1607846-03I	Amber-A1	INTACT	23-MAR-16	CUSTODY	A2-CUSTODY-REFRIG-A2	Joseph MacDonald	A2-ORGANIC PREP	A2-ORGANIC PREP	Joseph MacDonald
L1607846-03I	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-03I	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-03I	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-03J	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-03J	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-03J	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-03K	Amber-A1	EMPTY	23-MAR-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald
L1607846-03K	Amber-A1	INTACT	23-MAR-16	CUSTODY	A2-CUSTODY-REFRIG-A2	Sarah Barr	A2-ORGANIC PREP	A2-ORGANIC PREP	Sarah Barr
L1607846-03K	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-03K	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-03K	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-03L	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-03L	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-03L	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-03X	SVial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-03X	SVial-D	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-03X	SVial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-03Y	SVial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-03Y	SVial-D	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-03Y	SVial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-04A	Vial-B	INTACT	29-MAR-16	GC/MS	GC/MS	Piotr Duczmalewski	CUSTODY	VOA DEAD FRIDGE	CUSTODY Piotr Duczmalewski
L1607846-04A	Vial-B	INTACT	29-MAR-16	CUSTODY	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1607846-04A	Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott
L1607846-04A	Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-04B	Vial-B	INTACT	06-APR-16		VOA DEAD FRIDGE	CUSTODY Sam Bardsley	VOA DEAD FRIDGE	CUSTODY	VOA DEAD FRIDGE CUSTODY Sam Bardsley
L1607846-04B	Vial-B	INTACT	28-MAR-16	GC/MS	GC/MS	Jackingson Celestin	CUSTODY	VOA DEAD FRIDGE	CUSTODY Jackingson Celestin
L1607846-04B	Vial-B	INTACT	28-MAR-16	CUSTODY	VOA CUSTODY	Jackingson Celestin	GC/MS	GC/MS	Jackingson Celestin
L1607846-04B	Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott
L1607846-04B	Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-04C	Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott
L1607846-04C	Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-04D	Vial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-04D	Vial-D	INTACT	30-MAR-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1607846-04D	Vial-D	INTACT	18-MAR-16	CUSTODY	CUSTODY	Sharon Hoffman	WALK-IN CUSTODY	WALK-IN CUSTODY	Sharon Hoffman
L1607846-04D	Vial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-04E	Vial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-04E	Vial-D	INTACT	30-MAR-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1607846-04E	Vial-D	INTACT	18-MAR-16	CUSTODY	CUSTODY	Sharon Hoffman	WALK-IN CUSTODY	WALK-IN CUSTODY	Sharon Hoffman
L1607846-04E	Vial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-04F	Vial-A	EMPTY	18-MAR-16		WETCHEM	Lee Krasin	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Lee Krasin
L1607846-04F	Vial-A	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-04F	Vial-A	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-04G	Vial-A	EMPTY	18-MAR-16		WETCHEM	Lee Krasin	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Lee Krasin
L1607846-04G	Vial-A	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-04G	Vial-A	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-04H	Plastic-A1	EMPTY	22-MAR-16	WETCHEM	WETCHEM	Andrew Schult	CUSTODY	RETURN WALK-IN CUSTODY	Andrew Schult
L1607846-04H	Plastic-A1	INTACT	22-MAR-16	WETCHEM	W3-S5-C CUSTODY	Samantha Garner	WETCHEM	WETCHEM	Samantha Garner

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1607846-04H	Plastic-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Sharon Hoffman	W3-S5-C CUSTODY	W3-S5-C CUSTODY	Sharon Hoffman
L1607846-04H	Plastic-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-04I	Amber-A1	EMPTY	23-MAR-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald
L1607846-04I	Amber-A1	INTACT	23-MAR-16	CUSTODY	A2-CUSTODY-REFRIG-A2	Joseph MacDonald	A2-ORGANIC PREP	A2-ORGANIC PREP	Joseph MacDonald
L1607846-04I	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-04I	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-04I	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-04J	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-04J	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-04J	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-04K	Amber-A1	EMPTY	23-MAR-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald
L1607846-04K	Amber-A1	INTACT	23-MAR-16	CUSTODY	A2-CUSTODY-REFRIG-A2	Sarah Barr	A2-ORGANIC PREP	A2-ORGANIC PREP	Sarah Barr
L1607846-04K	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-04K	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-04K	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-04L	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-04L	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-04L	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-04X	SVial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-04X	SVial-D	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-04X	SVial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-04Y	SVial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-04Y	SVial-D	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-04Y	SVial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-05A	Vial-B	INTACT	29-MAR-16	GC/MS	GC/MS	Przemyslaw Kaczorows	CUSTODY	VOA DEAD FRIDGE	CUSTODY Przemyslaw Kaczorows

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1607846-05A Vial-B	INTACT	29-MAR-16	CUSTODY	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1607846-05A Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott
L1607846-05A Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-05B Vial-B	INTACT	08-APR-16		VOA DEAD FRIDGE	CUSTODY Sam Bardsley	VOA DEAD FRIDGE CUSTODY		VOA DEAD FRIDGE CUSTODY Sam Bardsley
L1607846-05B Vial-B	INTACT	28-MAR-16	GC/MS	GC/MS	Jackingson Celestin	CUSTODY	VOA DEAD FRIDGE	CUSTODY Jackingson Celestin
L1607846-05B Vial-B	INTACT	28-MAR-16	CUSTODY	VOA CUSTODY	Jackingson Celestin	GC/MS	GC/MS	Jackingson Celestin
L1607846-05B Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott
L1607846-05B Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-05C Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott
L1607846-05C Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-05D Vial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-05D Vial-D	INTACT	30-MAR-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1607846-05D Vial-D	INTACT	18-MAR-16	CUSTODY	CUSTODY	Sharon Hoffman	WALK-IN CUSTODY	WALK-IN CUSTODY	Sharon Hoffman
L1607846-05D Vial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-05E Vial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-05E Vial-D	INTACT	30-MAR-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1607846-05E Vial-D	INTACT	18-MAR-16	CUSTODY	CUSTODY	Sharon Hoffman	WALK-IN CUSTODY	WALK-IN CUSTODY	Sharon Hoffman
L1607846-05E Vial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-05F Vial-A	EMPTY	18-MAR-16		WETCHEM	Lee Krasin	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Lee Krasin
L1607846-05F Vial-A	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-05F Vial-A	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-05G Vial-A	EMPTY	18-MAR-16		WETCHEM	Lee Krasin	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Lee Krasin
L1607846-05G Vial-A	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-05G Vial-A	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-05H Plastic-A1	EMPTY	22-MAR-16	WETCHEM	WETCHEM	Andrew Schult	CUSTODY	RETURN WALK-IN CUSTODY	Andrew Schult

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1607846-05H	Plastic-A1	INTACT	22-MAR-16	WETCHEM	W3-S5-C CUSTODY	Samantha Garner	WETCHEM	WETCHEM	Samantha Garner
L1607846-05H	Plastic-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Sharon Hoffman	W3-S5-C CUSTODY	W3-S5-C CUSTODY	Sharon Hoffman
L1607846-05H	Plastic-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-05I	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-05I	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-05I	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-05J	Amber-A1	EMPTY	23-MAR-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald
L1607846-05J	Amber-A1	INTACT	23-MAR-16	CUSTODY	A2-CUSTODY-REFRIG-A2	Joseph MacDonald	A2-ORGANIC PREP	A2-ORGANIC PREP	Joseph MacDonald
L1607846-05J	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-05J	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-05J	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-05K	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-05K	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-05K	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-05L	Amber-A1	EMPTY	23-MAR-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald
L1607846-05L	Amber-A1	INTACT	23-MAR-16	CUSTODY	A2-CUSTODY-REFRIG-A2	Sarah Barr	A2-ORGANIC PREP	A2-ORGANIC PREP	Sarah Barr
L1607846-05L	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-05L	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-05L	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-05X	SVial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-05X	SVial-D	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-05X	SVial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-05Y	SVial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-05Y	SVial-D	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-05Y	SVial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1607846-06A Vial-B	INTACT	29-MAR-16	GC/MS	GC/MS	Przemyslaw Kaczorows	CUSTODY	VOA DEAD FRIDGE	CUSTODY Przemyslaw Kaczorows
L1607846-06A Vial-B	INTACT	29-MAR-16	CUSTODY	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1607846-06A Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott
L1607846-06A Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-06B Vial-B	INTACT	06-APR-16		VOA DEAD FRIDGE	CUSTODY Sam Bardsley	VOA DEAD	FRIDGE CUSTODY	VOA DEAD FRIDGE CUSTODY Sam Bardsley
L1607846-06B Vial-B	INTACT	28-MAR-16	GC/MS	GC/MS	Jackingson Celestin	CUSTODY	VOA DEAD FRIDGE	CUSTODY Jackingson Celestin
L1607846-06B Vial-B	INTACT	28-MAR-16	CUSTODY	VOA CUSTODY	Jackingson Celestin	GC/MS	GC/MS	Jackingson Celestin
L1607846-06B Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott
L1607846-06B Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-06C Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott
L1607846-06C Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-06D Vial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-06D Vial-D	INTACT	30-MAR-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1607846-06D Vial-D	INTACT	18-MAR-16	CUSTODY	CUSTODY	Sharon Hoffman	WALK-IN CUSTODY	WALK-IN CUSTODY	Sharon Hoffman
L1607846-06D Vial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-06E Vial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-06E Vial-D	INTACT	30-MAR-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1607846-06E Vial-D	INTACT	18-MAR-16	CUSTODY	CUSTODY	Sharon Hoffman	WALK-IN CUSTODY	WALK-IN CUSTODY	Sharon Hoffman
L1607846-06E Vial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-06F Vial-A	EMPTY	18-MAR-16		WETCHEM	Lee Krasin	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Lee Krasin
L1607846-06F Vial-A	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-06F Vial-A	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-06G Vial-A	EMPTY	18-MAR-16		WETCHEM	Lee Krasin	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Lee Krasin
L1607846-06G Vial-A	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-06G Vial-A	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1607846-06H	Plastic-A1	EMPTY	22-MAR-16	WETCHEM	WETCHEM	Andrew Schult	CUSTODY	RETURN WALK-IN	CUSTODY Andrew Schult
L1607846-06H	Plastic-A1	INTACT	22-MAR-16	WETCHEM	W3-S5-C CUSTODY	Samantha Garner	WETCHEM	WETCHEM	Samantha Garner
L1607846-06H	Plastic-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Sharon Hoffman	W3-S5-C CUSTODY	W3-S5-C CUSTODY	Sharon Hoffman
L1607846-06H	Plastic-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-06I	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-06I	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-06J	Amber-A1	EMPTY	23-MAR-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald
L1607846-06J	Amber-A1	INTACT	23-MAR-16	CUSTODY	A2-CUSTODY-REFRIG-A2	Joseph MacDonald	A2-ORGANIC PREP	A2-ORGANIC PREP	Joseph MacDonald
L1607846-06J	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-06J	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-06J	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-06K	Amber-A1	EMPTY	23-MAR-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald
L1607846-06K	Amber-A1	INTACT	23-MAR-16	CUSTODY	A2-CUSTODY-REFRIG-A2	Sarah Barr	A2-ORGANIC PREP	A2-ORGANIC PREP	Sarah Barr
L1607846-06K	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-06K	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-06K	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-06L	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-06L	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-06L	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-06X	SVial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-06X	SVial-D	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-06X	SVial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-06Y	SVial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-06Y	SVial-D	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-06Y	SVial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1607846-07A Vial-B	INTACT	29-MAR-16	GC/MS	GC/MS	Przemyslaw Kaczorows	CUSTODY	VOA DEAD FRIDGE	CUSTODY Przemyslaw Kaczorows
L1607846-07A Vial-B	INTACT	29-MAR-16	CUSTODY	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1607846-07A Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott
L1607846-07A Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-07B Vial-B	INTACT	06-APR-16		VOA DEAD FRIDGE	CUSTODY Sam Bardsley	VOA DEAD	FRIDGE CUSTODY	VOA DEAD FRIDGE CUSTODY Sam Bardsley
L1607846-07B Vial-B	INTACT	28-MAR-16	GC/MS	GC/MS	Jackingson Celestin	CUSTODY	VOA DEAD FRIDGE	CUSTODY Jackingson Celestin
L1607846-07B Vial-B	INTACT	28-MAR-16	CUSTODY	VOA CUSTODY	Jackingson Celestin	GC/MS	GC/MS	Jackingson Celestin
L1607846-07B Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott
L1607846-07B Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-07C Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott
L1607846-07C Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-07D Vial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-07D Vial-D	INTACT	30-MAR-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1607846-07D Vial-D	INTACT	18-MAR-16	CUSTODY	CUSTODY	Sharon Hoffman	WALK-IN CUSTODY	WALK-IN CUSTODY	Sharon Hoffman
L1607846-07D Vial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-07E Vial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-07E Vial-D	INTACT	30-MAR-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1607846-07E Vial-D	INTACT	18-MAR-16	CUSTODY	CUSTODY	Sharon Hoffman	WALK-IN CUSTODY	WALK-IN CUSTODY	Sharon Hoffman
L1607846-07E Vial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-07F Vial-A	EMPTY	18-MAR-16		WETCHEM	Lee Krasin	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Lee Krasin
L1607846-07F Vial-A	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-07F Vial-A	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-07G Vial-A	EMPTY	18-MAR-16		WETCHEM	Lee Krasin	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Lee Krasin
L1607846-07G Vial-A	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-07G Vial-A	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1607846-07H	Plastic-A1	EMPTY	22-MAR-16	WETCHEM	WETCHEM	Andrew Schult	CUSTODY	RETURN WALK-IN	CUSTODY Andrew Schult
L1607846-07H	Plastic-A1	INTACT	22-MAR-16	WETCHEM	W3-S5-C CUSTODY	Samantha Garner	WETCHEM	WETCHEM	Samantha Garner
L1607846-07H	Plastic-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Sharon Hoffman	W3-S5-C CUSTODY	W3-S5-C CUSTODY	Sharon Hoffman
L1607846-07H	Plastic-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-07I	Amber-A1	EMPTY	23-MAR-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald
L1607846-07I	Amber-A1	INTACT	23-MAR-16	CUSTODY	A2-CUSTODY-REFRIG-A2	Joseph MacDonald	A2-ORGANIC PREP	A2-ORGANIC PREP	Joseph MacDonald
L1607846-07I	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-07I	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-07I	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-07J	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-07J	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-07J	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-07K	Amber-A1	EMPTY	23-MAR-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald
L1607846-07K	Amber-A1	INTACT	23-MAR-16	CUSTODY	A2-CUSTODY-REFRIG-A2	Sarah Barr	A2-ORGANIC PREP	A2-ORGANIC PREP	Sarah Barr
L1607846-07K	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-07K	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-07K	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-07L	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-07L	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-07L	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-07X	SVial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-07X	SVial-D	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-07X	SVial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-07Y	SVial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-07Y	SVial-D	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1607846-07Y SVial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-08A Vial-B	INTACT	29-MAR-16	GC/MS	GC/MS	Przemyslaw Kaczorows	CUSTODY	VOA DEAD FRIDGE	CUSTODY Przemyslaw Kaczorows
L1607846-08A Vial-B	INTACT	29-MAR-16	CUSTODY	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1607846-08A Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott
L1607846-08A Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-08B Vial-B	INTACT	06-APR-16		VOA DEAD FRIDGE	CUSTODY Sam Bardsley	VOA DEAD FRIDGE	CUSTODY	VOA DEAD FRIDGE CUSTODY Sam Bardsley
L1607846-08B Vial-B	INTACT	28-MAR-16	GC/MS	GC/MS	Jackingson Celestin	CUSTODY	VOA DEAD FRIDGE	CUSTODY Jackingson Celestin
L1607846-08B Vial-B	INTACT	28-MAR-16	CUSTODY	VOA CUSTODY	Jackingson Celestin	GC/MS	GC/MS	Jackingson Celestin
L1607846-08B Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott
L1607846-08B Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-08C Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott
L1607846-08C Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-08D Vial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-08D Vial-D	INTACT	30-MAR-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1607846-08D Vial-D	INTACT	18-MAR-16	CUSTODY	CUSTODY	Sharon Hoffman	WALK-IN CUSTODY	WALK-IN CUSTODY	Sharon Hoffman
L1607846-08D Vial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-08E Vial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-08E Vial-D	INTACT	30-MAR-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1607846-08E Vial-D	INTACT	18-MAR-16	CUSTODY	CUSTODY	Sharon Hoffman	WALK-IN CUSTODY	WALK-IN CUSTODY	Sharon Hoffman
L1607846-08E Vial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-08F Vial-A	EMPTY	18-MAR-16		WETCHEM	Lee Krasin	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Lee Krasin
L1607846-08F Vial-A	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-08F Vial-A	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-08G Vial-A	EMPTY	18-MAR-16		WETCHEM	Lee Krasin	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Lee Krasin
L1607846-08G Vial-A	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1607846-08G	Vial-A	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-08H	Plastic-A1	EMPTY	22-MAR-16	WETCHEM	WETCHEM	Andrew Schult	CUSTODY	RETURN WALK-IN CUSTODY	Andrew Schult
L1607846-08H	Plastic-A1	INTACT	22-MAR-16	WETCHEM	W3-S5-C CUSTODY	Samantha Garner	WETCHEM	WETCHEM	Samantha Garner
L1607846-08H	Plastic-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Sharon Hoffman	W3-S5-C CUSTODY	W3-S5-C CUSTODY	Sharon Hoffman
L1607846-08H	Plastic-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-08I	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-08I	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-08I	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-08J	Amber-A1	EMPTY	23-MAR-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald
L1607846-08J	Amber-A1	INTACT	23-MAR-16	CUSTODY	A2-CUSTODY-REFRIG-A2	Joseph MacDonald	A2-ORGANIC PREP	A2-ORGANIC PREP	Joseph MacDonald
L1607846-08J	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-08J	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-08J	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-08K	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-08K	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-08K	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-08L	Amber-A1	EMPTY	23-MAR-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald
L1607846-08L	Amber-A1	INTACT	23-MAR-16	CUSTODY	A2-CUSTODY-REFRIG-A2	Sarah Barr	A2-ORGANIC PREP	A2-ORGANIC PREP	Sarah Barr
L1607846-08L	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-08L	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-08L	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-08X	SVial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-08X	SVial-D	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-08X	SVial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-08Y	SVial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1607846-08Y	SVial-D	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-08Y	SVial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-09A	Vial-B	INTACT	29-MAR-16	GC/MS	GC/MS	Przemyslaw Kaczorows	CUSTODY	VOA DEAD FRIDGE	CUSTODY Przemyslaw Kaczorows
L1607846-09A	Vial-B	INTACT	29-MAR-16	CUSTODY	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1607846-09A	Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott
L1607846-09A	Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-09B	Vial-B	INTACT	06-APR-16		VOA DEAD FRIDGE	CUSTODY Sam Bardsley	VOA DEAD FRIDGE	CUSTODY	VOA DEAD FRIDGE CUSTODY Sam Bardsley
L1607846-09B	Vial-B	INTACT	28-MAR-16	GC/MS	GC/MS	Jackingson Celestin	CUSTODY	VOA DEAD FRIDGE	CUSTODY Jackingson Celestin
L1607846-09B	Vial-B	INTACT	28-MAR-16	CUSTODY	VOA CUSTODY	Jackingson Celestin	GC/MS	GC/MS	Jackingson Celestin
L1607846-09B	Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott
L1607846-09B	Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-09C	Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott
L1607846-09C	Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-09D	Vial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-09D	Vial-D	INTACT	30-MAR-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1607846-09D	Vial-D	INTACT	18-MAR-16	CUSTODY	CUSTODY	Sharon Hoffman	WALK-IN CUSTODY	WALK-IN CUSTODY	Sharon Hoffman
L1607846-09D	Vial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-09E	Vial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-09E	Vial-D	INTACT	30-MAR-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1607846-09E	Vial-D	INTACT	18-MAR-16	CUSTODY	CUSTODY	Sharon Hoffman	WALK-IN CUSTODY	WALK-IN CUSTODY	Sharon Hoffman
L1607846-09E	Vial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-09F	Vial-A	EMPTY	18-MAR-16		WETCHEM	Lee Krasin	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Lee Krasin
L1607846-09F	Vial-A	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-09F	Vial-A	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-09H	Plastic-A1	EMPTY	22-MAR-16	WETCHEM	WETCHEM	Andrew Schult	CUSTODY	RETURN WALK-IN CUSTODY	Andrew Schult

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1607846-09H	Plastic-A1	INTACT	22-MAR-16	WETCHEM	W3-S5-C CUSTODY	Samantha Garner	WETCHEM	WETCHEM	Samantha Garner
L1607846-09H	Plastic-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Sharon Hoffman	W3-S5-C CUSTODY	W3-S5-C CUSTODY	Sharon Hoffman
L1607846-09H	Plastic-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-09I	Amber-A1	EMPTY	23-MAR-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald
L1607846-09I	Amber-A1	INTACT	23-MAR-16	CUSTODY	A2-CUSTODY-REFRIG-A2	Sarah Barr	A2-ORGANIC PREP	A2-ORGANIC PREP	Sarah Barr
L1607846-09I	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-09I	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-09I	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-09J	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-09J	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-09J	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-09K	Amber-A1	EMPTY	23-MAR-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Joseph MacDonald	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Joseph MacDonald
L1607846-09K	Amber-A1	INTACT	23-MAR-16	CUSTODY	A2-CUSTODY-REFRIG-A2	Joseph MacDonald	A2-ORGANIC PREP	A2-ORGANIC PREP	Joseph MacDonald
L1607846-09K	Amber-A1	INTACT	18-MAR-16	CUSTODY	TRANSFER - MANSFIELD	Bethany Bedard	A2-CUSTODY-REFRIG-A2	A2-CUSTODY-REFRIG-A2	Bethany Bedard
L1607846-09K	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Graham Phillips	TRANSFER - MANSFIELD	TRANSFER - MANSFIELD	Graham Phillips
L1607846-09K	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-09L	Amber-A1	INTACT	22-MAR-16	CUSTODY	RETURN WALK-IN CUSTODY	William McClendon	W3-S5-C CUSTODY	W3-S5-C CUSTODY	William McClendon
L1607846-09L	Amber-A1	INTACT	18-MAR-16		WETCHEM	Lee Krasin	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Lee Krasin
L1607846-09L	Amber-A1	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-09L	Amber-A1	INTACT	18-MAR-16	CUSTODY	W3-S4-D CUSTODY	Sharon Hoffman	CUSTODY	CUSTODY	Sharon Hoffman
L1607846-09L	Amber-A1	INTACT	18-MAR-16	CUSTODY	CUSTODY	Sharon Hoffman	W3-S4-D CUSTODY	W3-S4-D CUSTODY	Sharon Hoffman
L1607846-09L	Amber-A1	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-09X	SVial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-09X	SVial-D	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-09X	SVial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1607846-09Y	SVial-D	INTACT	31-MAR-16	CUSTODY	WETCHEM	Deb Whelan	WALK-IN CUSTODY	WALK-IN CUSTODY	Deb Whelan
L1607846-09Y	SVial-D	INTACT	18-MAR-16		CUSTODY	Lee Krasin	WETCHEM	WETCHEM	Lee Krasin
L1607846-09Y	SVial-D	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-10A	Vial-B	INTACT	29-MAR-16	GC/MS	GC/MS	Przemyslaw Kaczorows	CUSTODY	VOA DEAD FRIDGE	CUSTODY Przemyslaw Kaczorows
L1607846-10A	Vial-B	INTACT	29-MAR-16	CUSTODY	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1607846-10A	Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott
L1607846-10A	Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips
L1607846-10B	Vial-B	INTACT	18-MAR-16	CUSTODY	CUSTODY	Richard Scott	VOA CUSTODY	VOA CUSTODY	Richard Scott
L1607846-10B	Vial-B	INTACT	18-MAR-16	LOGIN	LOGIN	Graham Phillips	CUSTODY	CUSTODY	Graham Phillips

Chain of Custody

NEW YORK CHAIN OF CUSTODY

ALPHA
Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 3/18/16

ALPHA Job #: L1607816

Client Information
Client: Anchor QEA
Address: 4300 RTE 50, Suite 202
Phone: 518-886-0649
Fax:
Email: mcavaye@anchorqea.com

Project Information
Project Name: Former Glens Falls Ox-2
Project Location: Glens Falls, NY
Project #: E50593.01-01
(Use Project name as Project #)
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard: X
Rush (only if pre approved):
Due Date:
# of Days:

Deliverables
- ASP-A
- ASP-B
- EQuIS (1 File)
- EQuIS (4 File): X
- Other

Billing Information
- Same as Client Info
PO #

Regulatory Requirement
- NY TOGS
- NY Part 375
- AWQ Standards
- NY CP-51
- NY Restricted Use
- Other
- NY Unrestricted Use
- NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
- NJ
- NY
- Other:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
Sample Filtration
- Done
- Lab to do

Preservation
- Lab to do

(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TAL	VOC	SVOC	RAH	TOC	DOC	Total Bottle	Sample Specific Comments
07816-01	SW-1A 20160316	3/16/16	10:20	W	MBC	X	X	X	X	X	X		
-02	SW-1B 20160316		10:15			X	X	X	X	X	X		
-03	SW-1C 20160316		8:35 10:05			X	X	X	X	X	X		
-04	SW-2A 20160316		10:50			X	X	X	X	X	X		
-05	SW-2C 20160316		10:35			X	X	X	X	X	X		
-06	SW-2B 20160316		10:45			X	X	X	X	X	X		
-07	SW-3A 20160316		8:50			X	X	X	X	X	X		
-08	SW-3B 20160316		8:40			X	X	X	X	X	X		
-09	SW-3C 20160316		8:35			X	X	X	X	X	X		
-10	Trip Blank	3/16/16	99:99	W			X	MBC					

Container Type: P V A A V V
Preservative: A B A A D A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code:
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	3/17/16 1200	Robert Hahn ARL	3-17-16 1209
Robert Hahn	3/18/16 0105	Joshua Phillips	3/18/16 0105
	3/18/16 06:00	Beth Bedard	3/18/16 06:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 3/18/16

ALPHA Job #: L1607846

Client Information
Client: AnchorQEA
Address: 4300 RTE 50 Suite 202
Phone: 518-886-0649
Fax:
Email: mcavagnaro@anchorqea.com

Project Information
Project Name: Former Glens Falls GW-2
Project Location: Glens Falls, NY
Project #: E50593.01-01
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TSS	VOC	SVOC	RAH	TOC	DOC	Total Bottle
07846-01	SW1A20160316	3/16/16	10:20	W	MPC	X	X	X	X	X	X	
-02	SW-1B 20160316		10:15			X	X	X	X	X	X	
-03	SW-1C 20160316		8~~35~~ 10:05			X	X	X	X	X	X	
-04	SW-2A 20160316		10:50			X	X	X	X	X	X	
-05	SW-2C 20160316		10:35			X	X	X	X	X	X	
-06	SW-2B 20160316		10:45			X	X	X	X	X	X	
-07	SW-3A 20160316		8:50			X	X	X	X	X	X	
-08	SW-3B 20160316		8:40			X	X	X	X	X	X	
-09	SW-3C 20160316		8:35			X	X	X	X	X	X	
-10	Trip Blank	3/16/16	99:99	W			X	~~X~~				

Container Type: P V A A V V
Preservative: A B A A D A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3/17/16 1200	Robert Hahn AAL	3-17-16 1209
Robert Hahn	3/18/16 0105	Mike Phillips	3/18/16 0105

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Organics

GC/MS Extractable Analysis
Method 8270

Initial Calibration

Response Factor Report PAH17

Method Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Method File : SV0325PAH17.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Mar 28 11:33:31 2016
Response Via : Initial Calibration

Calibration Files
0.5 =F1703251603.d 1 =F1703251604.d 2 =F1703251605.d 5 =F1703251606.d 10 =F1703251607.d
15 =F1703251608.d 25 =F1703251609.d 50 =F1703251610.d 0.5a=F1703251611.d 1.0a=F1703251612.d
2.0a=F1703251613.d 5.0a=F1703251614.d 10a =F1703251615.d 15a =F1703251616.d 25a =F1703251617.d

		Compound	0.5	1	2	5	10	15	25	50	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d4	ISTD									
2)	T	N-Nitrosodimet...	0.801	0.803	0.812	0.808	0.776	0.758	0.734	0.757	0.781	3.71
3)	t	Pyridine	1.484	1.448	1.463	1.462	1.394	1.358	1.351	1.514	1.434	4.17
4)	S	2-Fluorophenol	1.395	1.328	1.336	1.329	1.266	1.197	1.068	1.064	1.248	10.11
5)	T	Benzaldehyde	1.165	1.097	1.084	1.075	1.029	0.951	0.879		1.040	9.30
6)	T	Aniline	2.236	2.110	2.082	2.025	1.858	1.753	1.692	1.608	1.921	11.72
7)	T	bis(2-Chloroet...	1.050	0.958	0.974	0.935	0.876	0.818	0.751	0.749	0.889	12.33
8)	S	Phenol-d5	1.804	1.681	1.665	1.631	1.546	1.479	1.358	1.332	1.562	10.53
9)	MC	Phenol	1.916	1.835	1.785	1.736	1.639	1.548	1.399	1.414	1.659	11.60#
10)	M	2-Chlorophenol	1.548	1.410	1.444	1.429	1.354	1.297	1.219	1.228	1.366	8.33
11)	T	1,3-Dichlorobe...	1.572	1.484	1.459	1.431	1.349	1.279	1.185	1.121	1.360	11.45
12)	MC	1,4-Dichlorobe...	1.595	1.480	1.476	1.428	1.357	1.285	1.181	1.098	1.362	12.21#
13)	T	1,2-Dichlorobe...	1.484	1.414	1.404	1.355	1.286	1.220	1.118	0.962	1.280	13.58
14)	T	Benzyl alcohol	1.024	0.948	0.955	0.950	0.908	0.872	0.812	0.755	0.903	9.63
15)	T	bis(2-chlorois...	2.112	1.963	1.917	1.840	1.684	1.581	1.431	1.241	1.721	16.99
16)	T	2-Methylphenol	1.283	1.221	1.212	1.183	1.122	1.076	0.996	0.969	1.133	9.91
17)	T	Acetophenone	1.974	1.824	1.817	1.804	1.726	1.638	1.455		1.748	9.43
18)	T	Hexachloroethane	0.641	0.595	0.596	0.587	0.562	0.541	0.498	0.470	0.561	10.00
19)	MP	N-Nitroso-di-n...	1.050	0.996	0.968	0.917	0.870	0.842	0.801	0.804	0.906	10.18
20)	T	4-Methylphenol	1.387	1.322	1.308	1.244	1.151	1.108	1.039	1.116	1.209	10.21
21)	I	Naphthalene-d8	ISTD									
22)	S	Nitrobenzene-d5	0.324	0.307	0.311	0.309	0.301	0.295	0.277	0.280	0.300	5.31
23)	T	Nitrobenzene	0.347	0.328	0.339	0.331	0.316	0.307	0.281	0.275	0.315	8.36
24)	T	Isophorone	0.597	0.566	0.563	0.540	0.511	0.499	0.461	0.418	0.519	11.41
25)	TC	2-Nitrophenol	0.147	0.144	0.157	0.165	0.165	0.165	0.158	0.164	0.158	5.32#
26)	T	2,4-Dimethylph...	0.323	0.303	0.298	0.283	0.263	0.256	0.237	0.239	0.275	11.41
27)	T	Benzoic acid			0.056	0.116	0.165	0.184	0.207	0.232	*Q	0.9998
28)	T	bis(2-Chloroet...	0.421	0.395	0.392	0.379	0.351	0.339	0.317	0.324	0.365	10.26
29)	TC	2,4-Dichloroph...	0.261	0.256	0.257	0.254	0.239	0.234	0.222	0.219	0.243	6.81#

Response Factor Report PAH17

Method Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Method File : SV0325PAH17.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Mar 28 11:33:31 2016
Response Via : Initial Calibration

Calibration Files
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15 =F1703251608.d 25 =F1703251609.d 50 =F1703251610.d 0.5a=F1703251611.d 1.0a=F1703251612.d
2.0a=F1703251613.d 5.0a=F1703251614.d 10a =F1703251615.d 15a =F1703251616.d 25a =F1703251617.d

		Compound	0.5	1	2	5	10	15	25	50	Avg	%RSD
30)	M	1,2,4-Trichlor...	0.293	0.272	0.272	0.262	0.249	0.241	0.225	0.227	0.255	9.30
31)	T	Naphthalene	1.047	0.980	0.961	0.910	0.844	0.800	0.719	0.670	0.866	15.21
32)	T	2-Chloroaniline	0.533	0.498	0.491	0.469	0.442	0.426	0.390	0.358	0.451	12.98
33)	T	4-Chloroaniline	0.440	0.423	0.422	0.401	0.379	0.362	0.336	0.329	0.386	10.76
34)	TC	Hexachlorobuta...	0.134	0.126	0.128	0.123	0.118	0.117	0.109	0.112	0.121	6.86#
35)	T	Caprolactam	0.099	0.095	0.101	0.109	0.111	0.110	0.106		0.104	5.84
36)	MC	4-Chloro-3-met...	0.308	0.281	0.286	0.279	0.266	0.259	0.237	0.240	0.269	8.88#
37)	T	2-Methylnaphth...	0.676	0.628	0.620	0.589	0.543	0.531	0.479	0.469	0.567	12.98
38)	I	Acenaphthene-d10	----------ISTD----------									
39)	T	1,2,4,5-Tetrac...	0.488	0.449	0.448	0.435	0.410	0.393	0.370	0.384	0.422	9.42
40)	TP	Hexachlorocycl...	0.051	0.073	0.103	0.141	0.165	0.174	0.182		*Q	0.9985
41)	TC	2,4,6-Trichlor...	0.323	0.317	0.333	0.337	0.326	0.324	0.320	0.367	0.331	4.86#
42)	T	2,4,5-Trichlor...	0.329	0.311	0.327	0.338	0.332	0.318	0.292	0.294	0.318	5.43
43)	S	2-Fluorobiphenyl	1.346	1.244	1.241	1.205	1.123	1.072	0.989	1.010	1.154	10.90
44)	T	Biphenyl	1.665	1.515	1.512	1.520	1.393	1.322	1.167		1.442	11.26
45)	T	2-Chloronaphth...	1.309	1.197	1.204	1.142	1.069	1.022	0.934	0.956	1.104	11.92
46)	T	2-Nitroaniline	0.298	0.289	0.307	0.333	0.326	0.322	0.309	0.339	0.315	5.60
47)	T	Acenaphthylene	2.091	1.972	1.963	1.853	1.721	1.645	1.498	1.516	1.782	12.42
48)	T	Dimethylphthalate	1.369	1.284	1.287	1.252	1.171	1.151	1.087	1.178	1.222	7.48
49)	T	2,6-Dinitrotol...	0.225	0.229	0.252	0.280	0.280	0.278	0.274	0.318	0.267	11.45
50)	MC	Acenaphthene	1.353	1.258	1.254	1.190	1.099	1.056	0.958	0.985	1.144	12.40#
51)	T	3-Nitroaniline	0.271	0.277	0.304	0.326	0.328	0.326	0.314	0.348	0.312	8.55
52)	TP	2,4-Dinitrophenol			0.032	0.081	0.122	0.148	0.178	0.233	*Q	0.9994
53)	T	Dibenzofuran	1.695	1.581	1.552	1.455	1.319	1.264	1.140	1.194	1.400	14.33
54)		2,3,4,6-Tetrac...	0.156	0.164	0.188	0.199	0.211	0.208	0.210	0.237	0.197	13.52
55)	M	2,4-Dinitrotol...	0.246	0.273	0.318	0.348	0.347	0.344	0.327	0.367	0.321	12.84
56)	MP	4-Nitrophenol		0.103	0.130	0.153	0.162	0.166	0.168	0.193	0.153	19.10
57)	T	Fluorene	1.444	1.351	1.340	1.252	1.141	1.080	0.950	0.904	1.183	16.63
58)	T	4-Chlorophenyl...	0.639	0.586	0.585	0.544	0.505	0.476	0.425	0.402	0.520	16.03
59)	T	Diethylphthalate	1.597	1.309	1.317	1.282	1.219	1.183	1.076	1.122	1.263	12.68

Response Factor Report PAH17

Method Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Method File : SV0325PAH17.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Mar 28 11:33:31 2016
Response Via : Initial Calibration

Calibration Files
0.5 =F1703251603.d 1 =F1703251604.d 2 =F1703251605.d 5 =F1703251606.d 10 =F1703251607.d
15 =F1703251608.d 25 =F1703251609.d 50 =F1703251610.d 0.5a=F1703251611.d 1.0a=F1703251612.d
2.0a=F1703251613.d 5.0a=F1703251614.d 10a =F1703251615.d 15a =F1703251616.d 25a =F1703251617.d

		Compound	0.5	1	2	5	10	15	25	50	Avg	%RSD
60)	T	4-Nitroaniline	0.291	0.301	0.330	0.354	0.357	0.351	0.334	0.366	0.335	8.10
61)	I	Phenanthrene-d10	ISTD									
62)	T	4,6-Dinitro-2-...			0.052	0.085	0.107	0.116	0.121	0.133	*L	0.9977
63)	T	Azobenzene	0.229	0.217	0.215	0.208	0.201	0.194	0.182	0.182	0.203	8.32
64)	TC	n-Nitrosodiphe...	0.557	0.519	0.518	0.500	0.473	0.458	0.423	0.427	0.484	9.74#
65)	S	2,4,6-Tribromo...	0.039	0.041	0.046	0.050	0.052	0.053	0.054	0.061	0.050	14.17
66)	T	4-Bromophenyl-...	0.161	0.155	0.154	0.152	0.146	0.144	0.140	0.146	0.150	4.66
67)	T	Hexachlorobenzene	0.152	0.145	0.147	0.147	0.141	0.139	0.137	0.143	0.144	3.39
68)	T	Atrazine	0.190	0.179	0.187	0.188	0.186	0.186	0.173		0.184	3.25
69)	MC	Pentachlorophenol		0.045	0.064	0.083	0.094	0.097	0.101	0.113	*L	0.9960
70)	T	Pentachloronit...	0.047	0.049	0.055	0.060	0.061	0.060	0.058	0.061	0.056	9.94
71)	T	Phenanthrene	1.148	1.069	1.051	1.013	0.948	0.917	0.838	0.842	0.978	11.37
72)	T	Anthracene	1.176	1.095	1.098	1.051	0.977	0.931	0.865	0.824	1.002	12.32
73)	T	Carbazole	1.083	1.029	1.023	0.986	0.922	0.891	0.806	0.816	0.944	10.80
74)	T	Di-n-butylphth...	1.273	1.214	1.214	1.188	1.120	1.064	0.971	0.945	1.124	10.72
75)	TC	Fluoranthene	1.140	1.075	1.080	1.051	0.986	0.936	0.873	0.864	1.001	10.22#
76)	I	Chrysene-d12	ISTD									
77)	T	Benzidine	0.680	0.747	0.813	0.909	0.920	0.911	0.846		0.832	11.08
78)	M	Pyrene	1.354	1.267	1.296	1.283	1.231	1.203	1.150	1.164	1.244	5.59
79)	S	Terphenyl-d14	0.730	0.686	0.696	0.692	0.682	0.669	0.643	0.663	0.683	3.78
80)	T	Butylbenzylpht...	0.620	0.606	0.637	0.641	0.633	0.617	0.589	0.601	0.618	2.97
81)	T	3,3'-Dichlorob...	0.350	0.324	0.349	0.370	0.374	0.374	0.356		0.357	5.12
82)	T	Benz[a]anthracene	1.109	1.038	1.053	1.059	1.036	1.025	0.989	1.046	1.044	3.25
83)	T	Chrysene	1.118	1.037	1.061	1.045	1.014	0.975	0.950	0.946	1.018	5.81
84)	T	bis(2-Ethylhex...	0.822	0.809	0.847	0.863	0.849	0.820	0.782	0.772	0.821	3.93
85)	I	Perylene-d12	ISTD									
86)	TC	Di-n-octylphth...	1.501	1.508	1.620	1.688	1.613	1.544	1.400	1.312	1.523	8.06#
87)	T	Benzo[b]fluora...	1.086	1.047	1.066	1.085	1.034	1.050	0.976	1.102	1.056	3.75

Response Factor Report PAH17

Method Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Method File : SV0325PAH17.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Mar 28 11:33:31 2016
Response Via : Initial Calibration

Calibration Files
0.5 =F1703251603.d 1 =F1703251604.d 2 =F1703251605.d 5 =F1703251606.d 10 =F1703251607.d
15 =F1703251608.d 25 =F1703251609.d 50 =F1703251610.d 0.5a=F1703251611.d 1.0a=F1703251612.d
2.0a=F1703251613.d 5.0a=F1703251614.d 10a =F1703251615.d 15a =F1703251616.d 25a =F1703251617.d

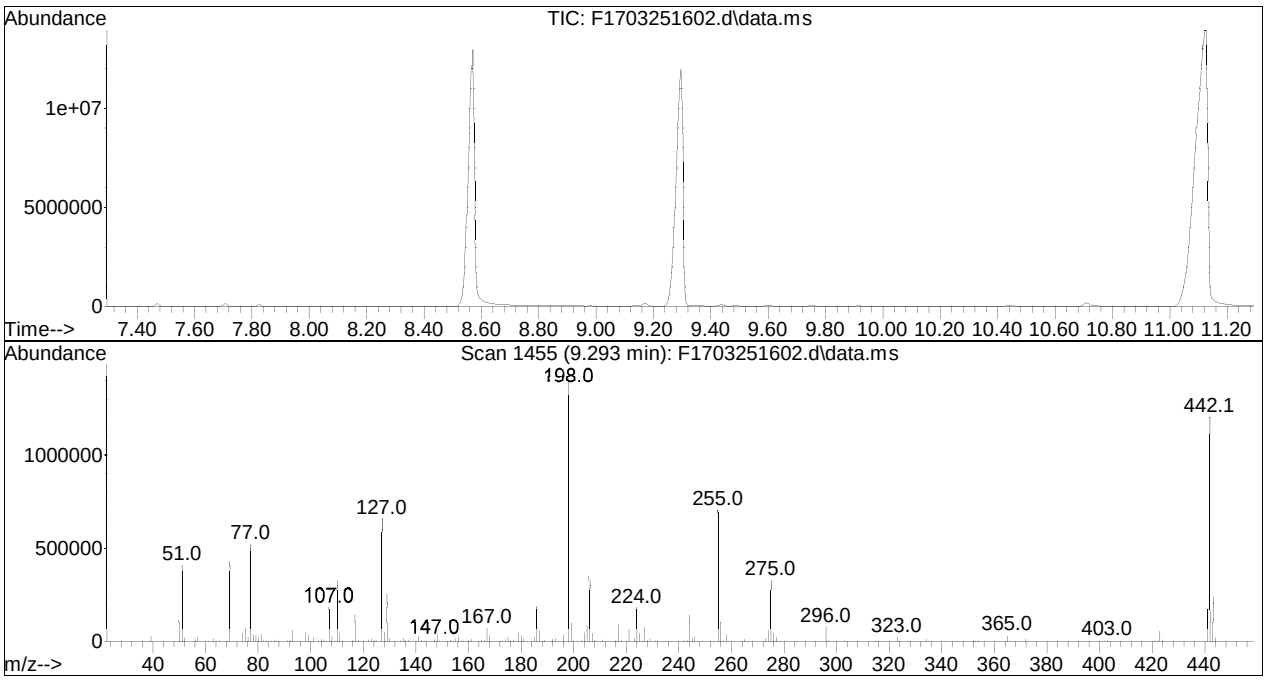
	Compound	0.5	1	2	5	10	15	25	50	Avg	%RSD
88) T	Benzo[k]fluora...	1.096	1.049	1.084	1.071	1.015	0.948	0.923	0.826	1.002	9.46
89) TC	Benzo[a]pyrene	1.055	1.029	1.050	1.059	0.999	0.968	0.923	0.886	0.996	6.55#
90) T	Indeno[1,2,3-c...	0.872	0.847	0.869	0.883	0.869	0.872	0.836	0.927	0.872	3.10
91) T	Dibenz[a,h]ant...	0.876	0.845	0.872	0.880	0.861	0.875	0.837	0.842	0.861	2.02
92) T	Benzo[g,h,i]pe...	0.918	0.876	0.910	0.915	0.889	0.876	0.839	0.862	0.886	3.15

(#) = Out of Range

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251602.d
Acq On : 25 Mar 2016 5:31 pm
Operator : PAH17:ML
Sample : T1703251601
Misc : WG877746,MSAI06
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\DFTPPPAH17.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Nov 20 13:11:58 2012



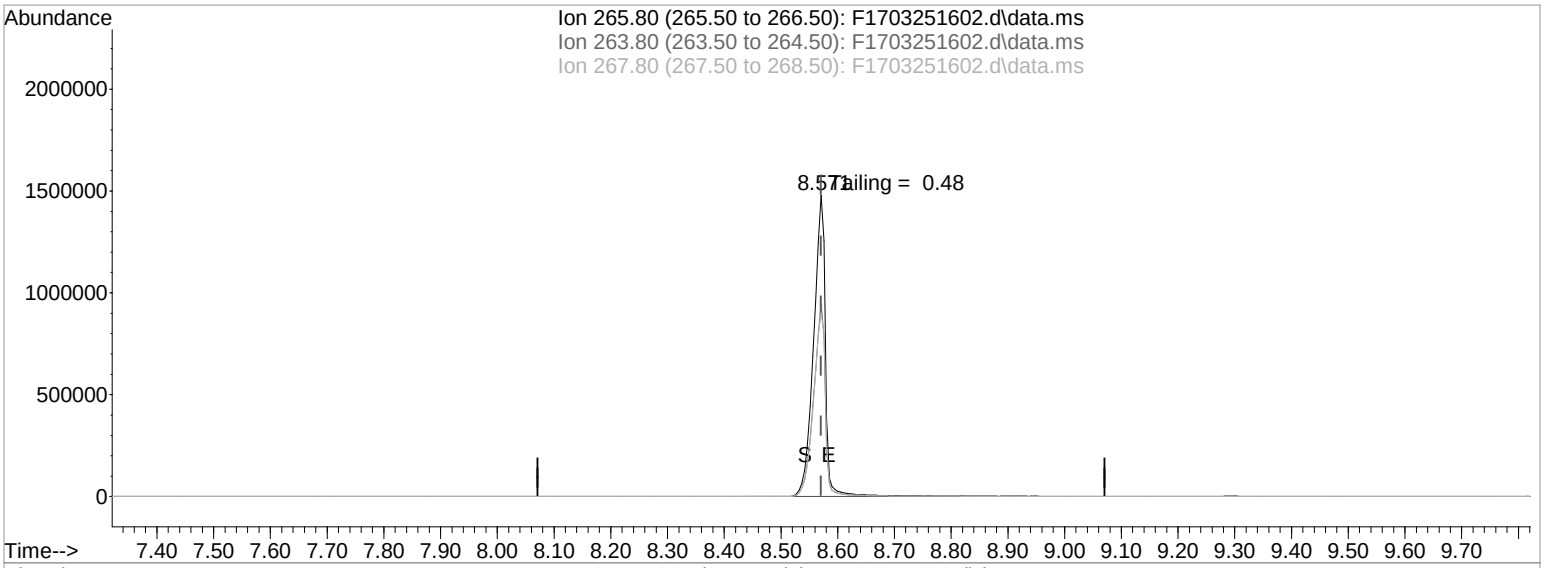
Spectrum Information: Scan 1455

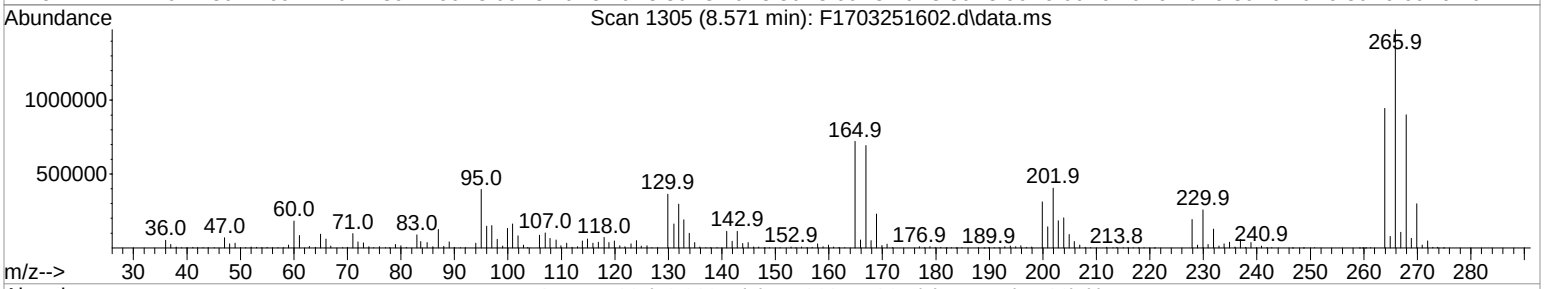
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	28.9	409216	PASS
68	69	0.00	2	1.8	7837	PASS
70	69	0.00	2	0.6	2520	PASS
127	198	10	80	46.5	657920	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1415680	PASS
199	198	5	9	6.8	96032	PASS
275	198	10	60	23.2	329024	PASS
365	198	1	100	2.2	31656	PASS
441	442	0.01	24	14.4	173696	PASS
442	198	50	100	85.0	1203200	PASS
443	442	15	24	20.2	242688	PASS

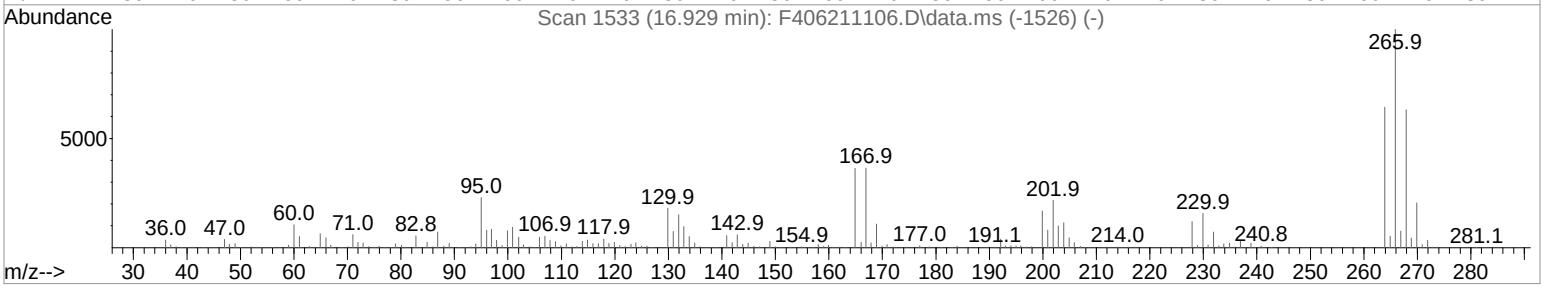
Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251602.d
Acq On : 25 Mar 2016 5:31 pm
Operator : PAH17:ML
Sample : T1703251601
Misc : WG877746,MSAI06
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 26 21:53:41 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\DFTPPPAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 21:53:32 2016
Response via : Initial Calibration







CHROMtools™ [T1703251601]

(1) Pentachlorophenol (MC)

8.571min (0.000) 40.25 ug/mL

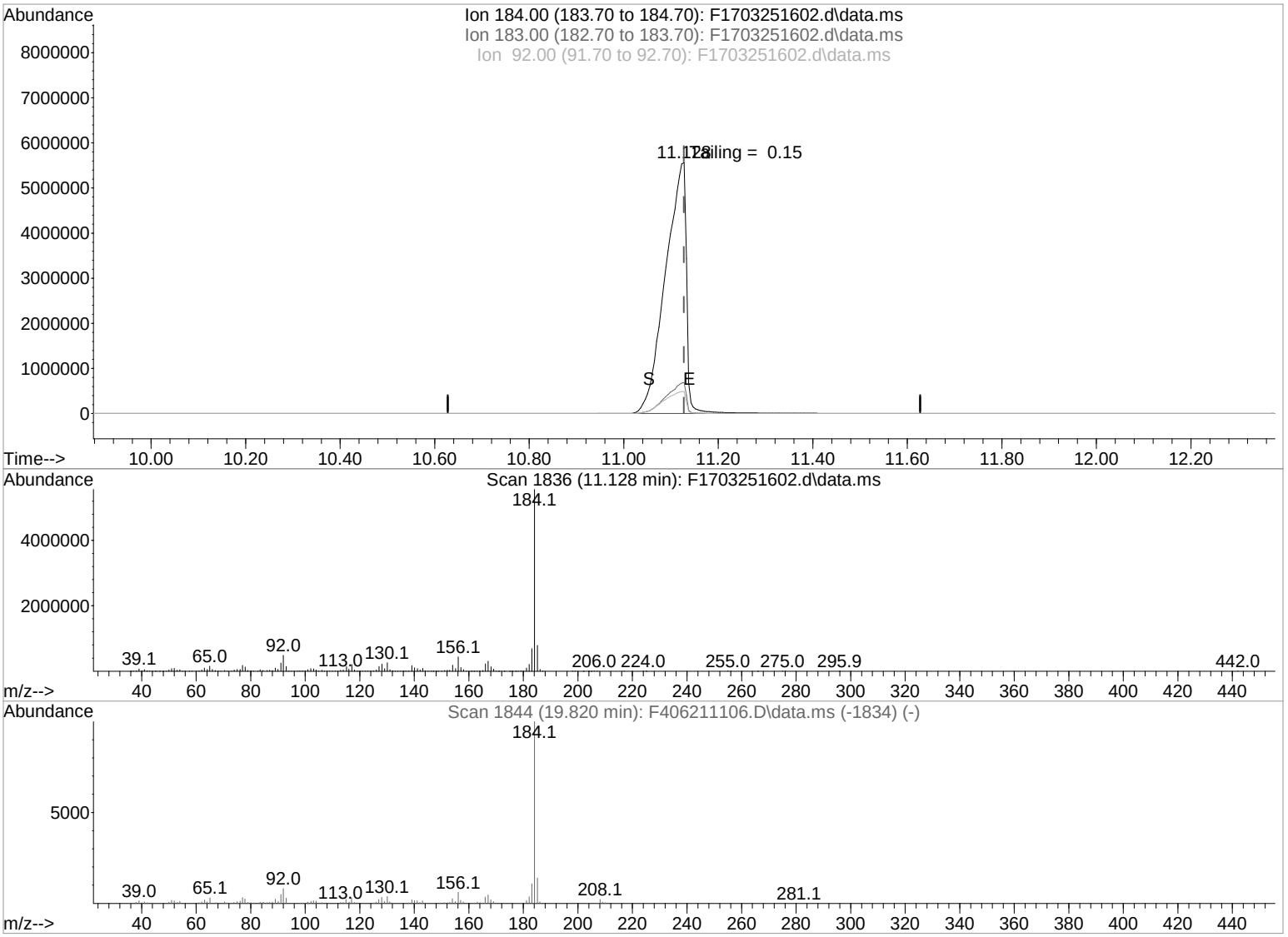
response 2106903 ~2 x >CAL (25)

Ion	Exp%	Act%
265.80	100	100
263.80	63.90	64.10
267.80	60.90	63.10
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251602.d
Acq On : 25 Mar 2016 5:31 pm
Operator : PAH17:ML
Sample : T1703251601
Misc : WG877746,MSAI06
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 26 21:53:41 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\DFTPPPAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 21:53:32 2016
Response via : Initial Calibration



CHROMtools™ [T1703251601]

(3) Benzidine (T)

11.128min (0.000) 208.93 ug/mL

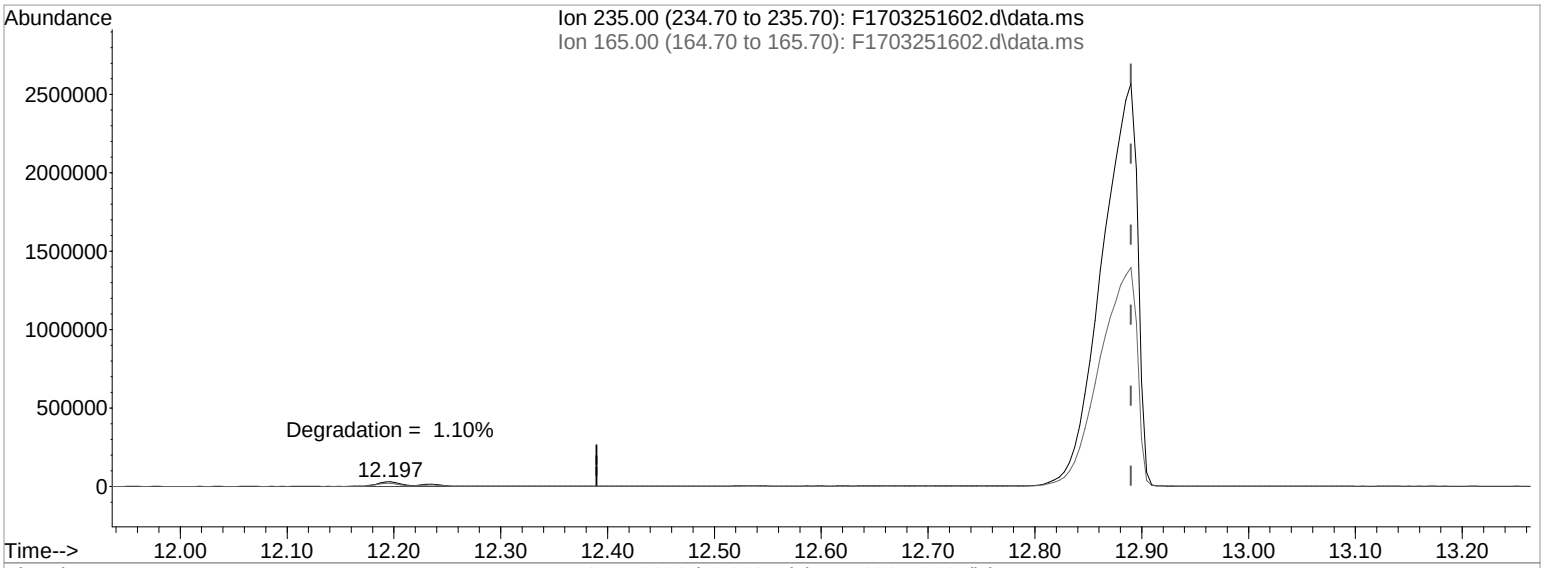
response 16999906 ~9 x >CAL (25)

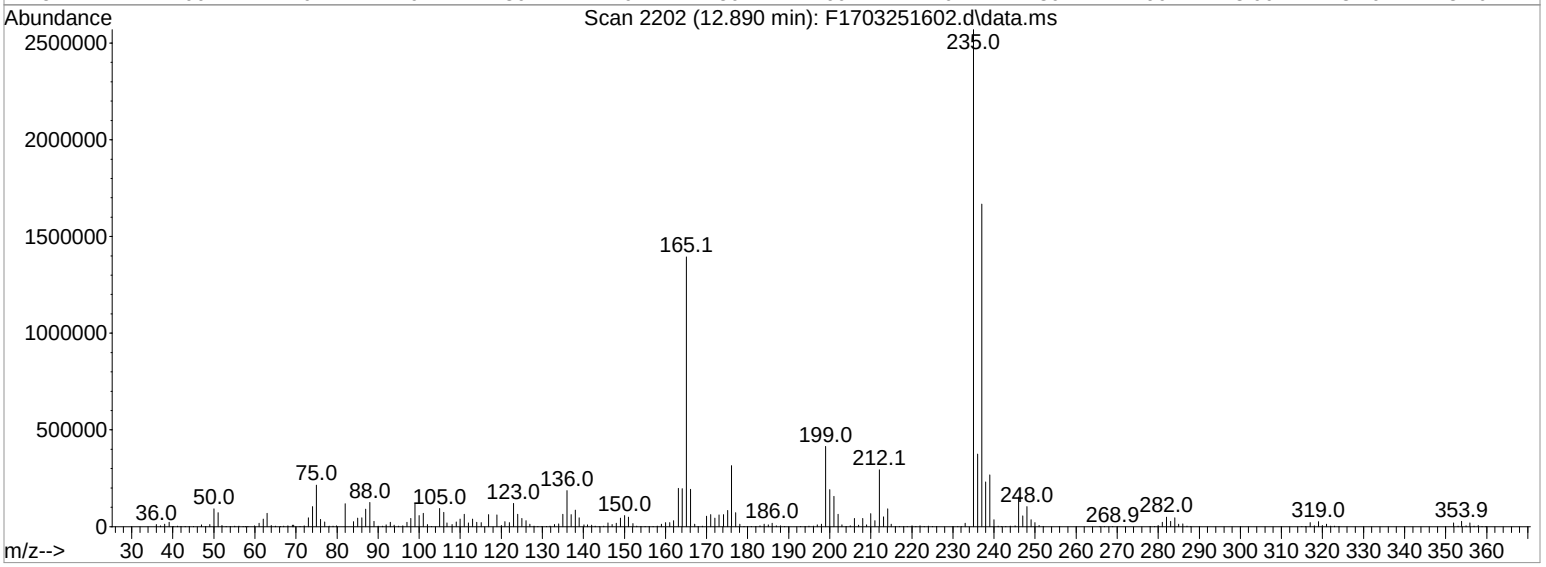
Ion	Exp%	Act%
184.00	100	100
183.00	12.40	11.82
92.00	8.70	9.43
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251602.d
Acq On : 25 Mar 2016 5:31 pm
Operator : PAH17:ML
Sample : T1703251601
Misc : WG877746,MSAI06
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 26 21:53:41 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\DFTPPPAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 21:53:32 2016
Response via : Initial Calibration





CHROMtools™ [T1703251601]

(4) DDT ( )

12.890min (0.000) 0.00

response 5905115

Ion	Exp%	Act%
235.00	100	100
165.00	54.30	56.77
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251603.d
Acq On : 25 Mar 2016 6:00 pm
Operator : PAH17:ML
Sample : I1703251601
Misc : WG877746,MSAI35
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 11:49:05 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:49:05 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.300	152	456824	5.000	ug/mL	0.00
21) Naphthalene-d8	5.450	136	1866717	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.141	164	888629	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.792	188	1614362	5.000	ug/mL	0.00
76) Chrysene-d12	13.791	240	1378030	5.000	ug/mL	0.00
85) Perylene-d12	16.925	264	1247797	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.250	112	63736	0.559	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery =	2.80%#		
8) Phenol-d5	3.977	99	82405	0.577	ug/mL	-0.01
Spiked Amount 20.000	Range 10 - 94		Recovery =	2.88%#		
22) Nitrobenzene-d5	4.791	82	60403	0.539	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery =	2.70%#		
43) 2-Fluorobiphenyl	6.491	172	119568	0.583	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery =	2.92%#		
65) 2,4,6-Tribromophenol	7.940	330	6345	0.397	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery =	1.98%#		
79) Terphenyl-d14	11.566	244	100560	0.534	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery =	2.67%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.316	74	36569	0.512	ug/mL#	75
3) Pyridine	2.335	79	67785	0.517	ug/mL#	72
5) Benzaldehyde	0.000		0	N.D.		
6) Aniline	4.020	93	102147	0.582	ug/ml#	1
7) bis(2-Chloroethyl)ether	4.073	63	47969M4	0.591	ug/mL	
9) Phenol	3.991	94	87546	0.578	ug/mL	92
10) 2-Chlorophenol	4.117	128	70739	0.567	ug/mL	95
11) 1,3-Dichlorobenzene	4.251	146	71823	0.578	ug/mL	98
12) 1,4-Dichlorobenzene	4.314	146	72857M4	0.585	ug/mL	
13) 1,2-Dichlorobenzene	4.444	146	67812	0.580	ug/mL	98
14) Benzyl alcohol	4.420	108	46789	0.567	ug/mL	94
15) bis(2-chloroisopropyl)eth	4.540	45	96477	0.614	ug/mL#	88
16) 2-Methylphenol	4.511	108	58592	0.566	ug/mL	100
17) Acetophenone	0.000		0	N.D. d		
18) Hexachloroethane	4.743	117	29292	0.571	ug/mL	85
19) N-Nitroso-di-n-propylamin	4.656	70	47963	0.579	ug/mL#	81
20) 4-Methylphenol	4.651	108	63374	0.574	ug/mL	100
23) Nitrobenzene	4.805	77	64738	0.550	ug/mL	98

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251603.d
Acq On : 25 Mar 2016 6:00 pm
Operator : PAH17:ML
Sample : I1703251601
Misc : WG877746,MSAI35
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 11:49:05 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:49:05 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.027	82	111378	0.574	ug/mL	98
25) 2-Nitrophenol	5.099	139	27499	0.465	ug/mL	95
26) 2,4-Dimethylphenol	5.137	107	60224	0.586	ug/mL	98
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	5.234	93	78540	0.577	ug/mL	99
29) 2,4-Dichlorophenol	5.320	162	48788	0.538	ug/mL	96
30) 1,2,4-Trichlorobenzene	5.402	180	54710	0.574	ug/mL	100
31) Naphthalene	5.470	128	195481	0.604	ug/mL	99
32) 2-Chloroaniline	5.065	127	99488	0.591	ug/ml	99
33) 4-Chloroaniline	5.527	127	82074	0.569	ug/mL	99
34) Hexachlorobutadiene	5.590	225	24959	0.554	ug/mL	99
35) Caprolactam	0.000		0	N.D.		
36) 4-Chloro-3-methylphenol	5.990	107	57429	0.571	ug/mL	95
37) 2-Methylnaphthalene	6.134	142	126154	0.596	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.293	216	43330	0.578	ug/mL	97
40) Hexachlorocyclopentadiene	6.283	237	4519	0.602	ug/mL	98
41) 2,4,6-Trichlorophenol	6.404	196	28699	0.488	ug/mL	96
42) 2,4,5-Trichlorophenol	6.438	196	29250M4	0.518	ug/mL	
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	6.601	162	116334	0.593	ug/mL	99
46) 2-Nitroaniline	6.702	65	26438	0.472	ug/mL	95
47) Acenaphthylene	7.001	152	185797	0.587	ug/mL	99
48) Dimethylphthalate	6.890	163	121677	0.560	ug/mL#	82
49) 2,6-Dinitrotoluene	6.948	165	19992	0.422	ug/mL	93
50) Acenaphthene	7.169	153	120232	0.591	ug/mL	98
51) 3-Nitroaniline	7.102	138	24060	0.434	ug/mL#	92
52) 2,4-Dinitrophenol	0.000		0	N.D.	d	
53) Dibenzofuran	7.338	168	150663	0.606	ug/mL	98
54) 2,3,4,6-Tetrachlorophenol	7.463	232	13871	0.397	#	90
55) 2,4-Dinitrotoluene	7.338	165	21874	0.383	ug/mL#	86
56) 4-Nitrophenol	7.275	109	9090	0.333	ug/mL	95
57) Fluorene	7.685	166	128355	0.611	ug/mL	97
58) 4-Chlorophenyl-phenylethe	7.694	204	56819	0.615	ug/mL	99
59) Diethylphthalate	7.588	149	141885	0.632	ug/mL	99
60) 4-Nitroaniline	7.704	138	25893M4	0.434	ug/mL	
62) 4,6-Dinitro-2-methylpheno	7.747	198	4028	1.784	ug/mL#	100
63) Azobenzene	7.863	182	36904	0.562	ug/mL	88
64) n-Nitrosodiphenylamine	7.820	169	89870	0.575	ug/mL	99
66) 4-Bromophenyl-phenylether	8.238	248	26062	0.538	ug/mL	94
67) Hexachlorobenzene	8.296	284	24514	0.527	ug/mL#	87
68) Atrazine	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251603.d
Acq On : 25 Mar 2016 6:00 pm
Operator : PAH17:ML
Sample : I1703251601
Misc : WG877746,MSAI35
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 11:49:05 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:49:05 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	8.551	266	7015	0.984	ug/mL	93
70) Pentachloronitrobenzene	8.561	237	7542	0.414	ug/ml	95
71) Phenanthrene	8.821	178	185357	0.587	ug/mL	99
72) Anthracene	8.889	178	189874M4	0.588	ug/mL	
73) Carbazole	9.129	167	174766	0.573	ug/mL	99
74) Di-n-butylphthalate	9.741	149	205545	0.566	ug/mL	99
75) Fluoranthene	10.733	202	183961	0.569	ug/mL#	94
77) Benzidine	0.000		0	N.D.	d	
78) Pyrene	11.152	202	186588	0.544	ug/mL#	91
80) Butylbenzylphthalate	12.731	149	85383	0.501	ug/mL	97
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	13.766	228	152814	0.531	ug/mL	99
83) Chrysene	13.843	228	154043M4	0.549	ug/mL	
84) bis(2-Ethylhexyl)phthalat	14.200	149	113297	0.501	ug/mL	97
86) Di-n-octylphthalate	15.741	149	187306	0.493	ug/mL	100
87) Benzo[b]fluoranthene	16.169	252	135513	0.514	ug/mL#	96
88) Benzo[k]fluoranthene	16.227	252	136810	0.547	ug/mL#	96
89) Benzo[a]pyrene	16.800	252	131606	0.529	ug/mL#	95
90) Indeno[1,2,3-cd]pyrene	18.750	276	108810	0.500	ug/mL#	92
91) Dibenz[a,h]anthracene	18.813	278	109278	0.509	ug/mL#	92
92) Benzo[g,h,i]perylene	19.140	276	114563M4	0.518	ug/mL	

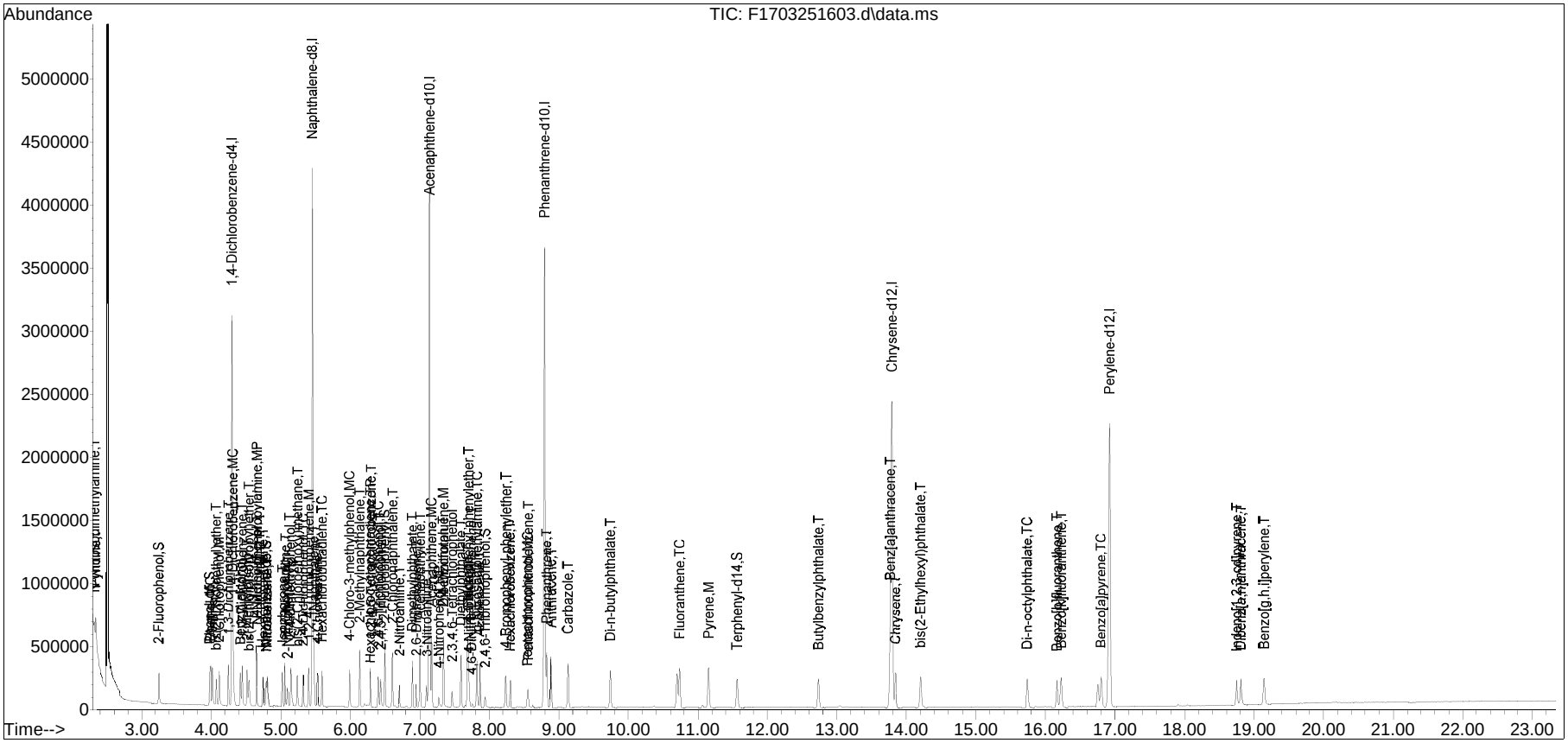
(#) = qualifier out of range (m) = manual integration (+) = signals summed

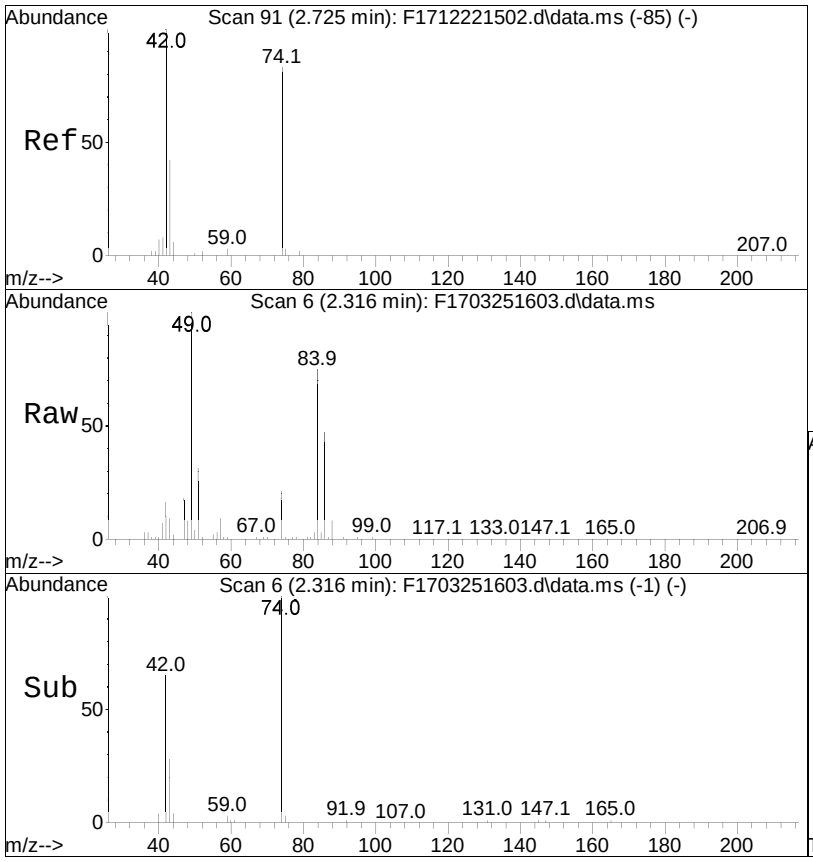
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251603.d
Acq On : 25 Mar 2016 6:00 pm
Operator : PAH17:ML
Sample : I1703251601
Misc : WG877746,MSAI35
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 11:49:05 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:49:05 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

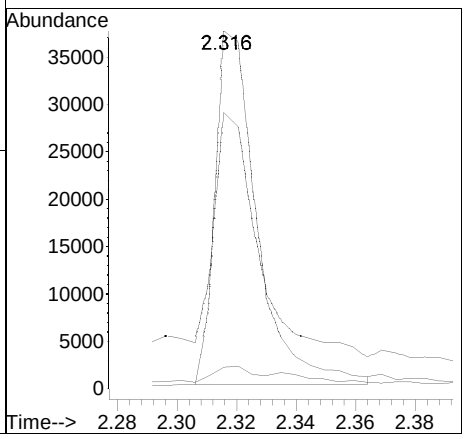


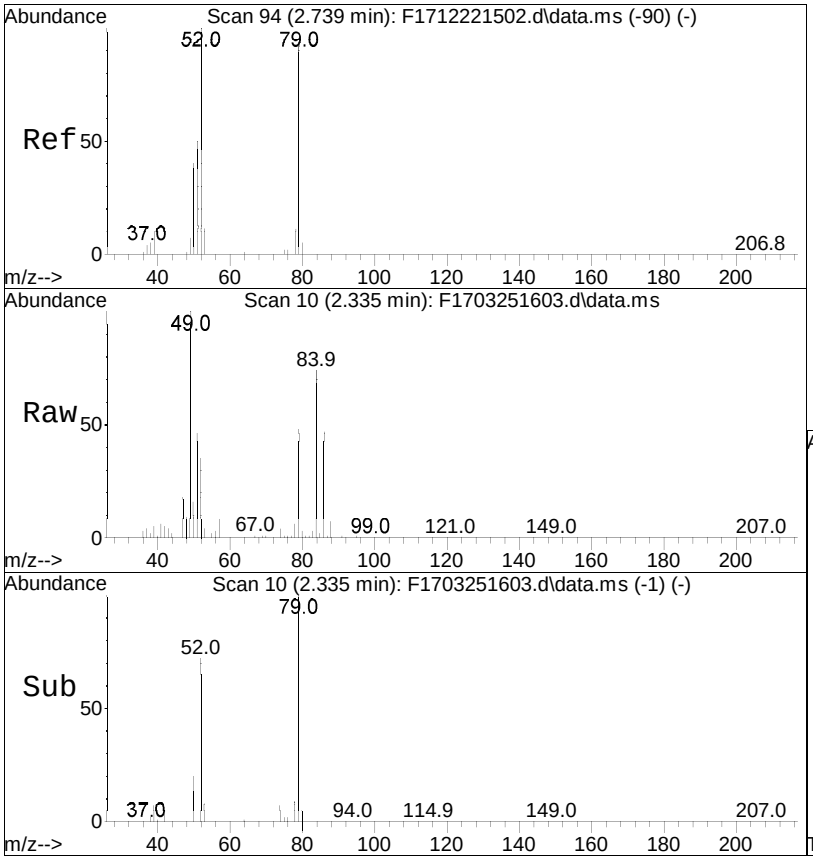


#2
N-Nitrosodimethylamine
Concen: 0.51 ug/mL
RT: 2.316 min Scan# 6
Delta R.T. -0.024 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion: 74 Resp: 36569

Ion	Ratio	Lower	Upper
74	100		
42	72.2	77.9	116.9#
40	0.0	5.4	8.2#

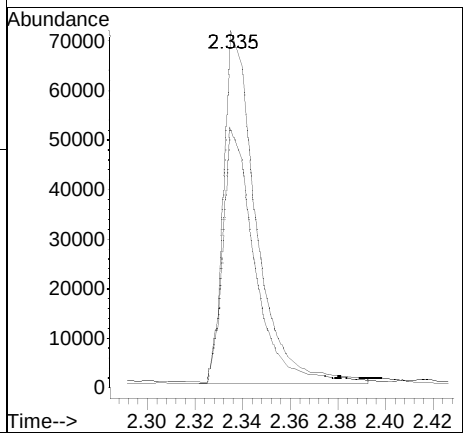


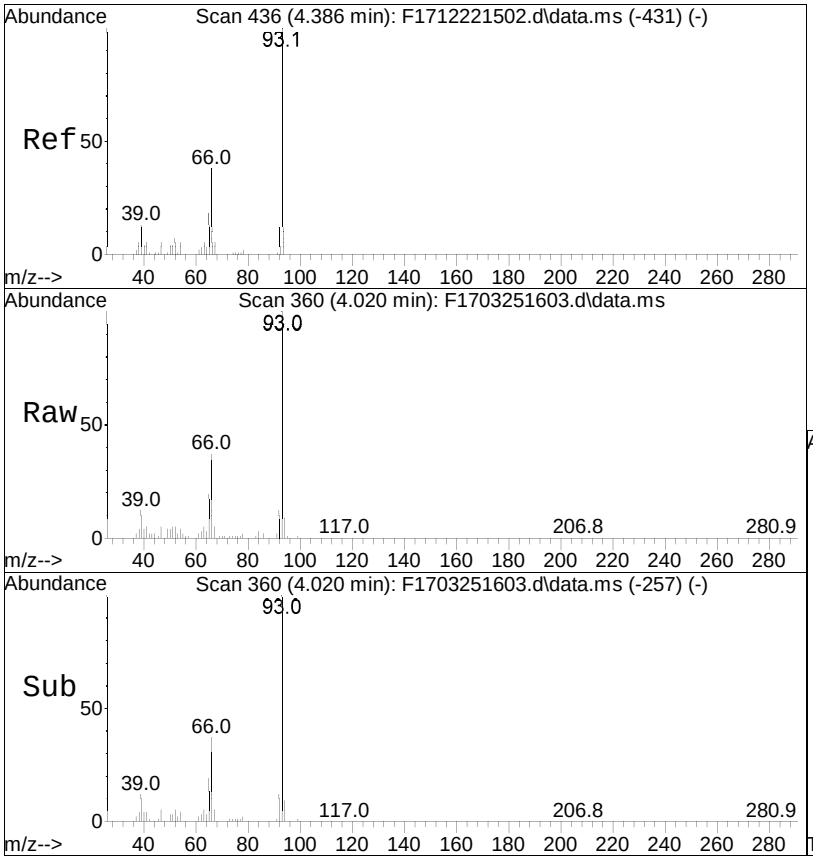


#3
Pyridine
Concen: 0.52 ug/mL
RT: 2.335 min Scan# 10
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion: 79 Resp: 67785

Ion	Ratio	Lower	Upper
79	100		
52	70.3	78.2	117.2#

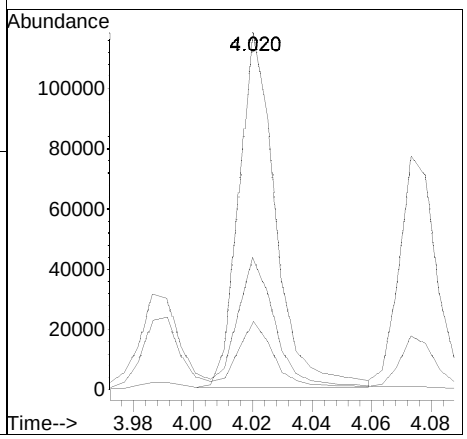


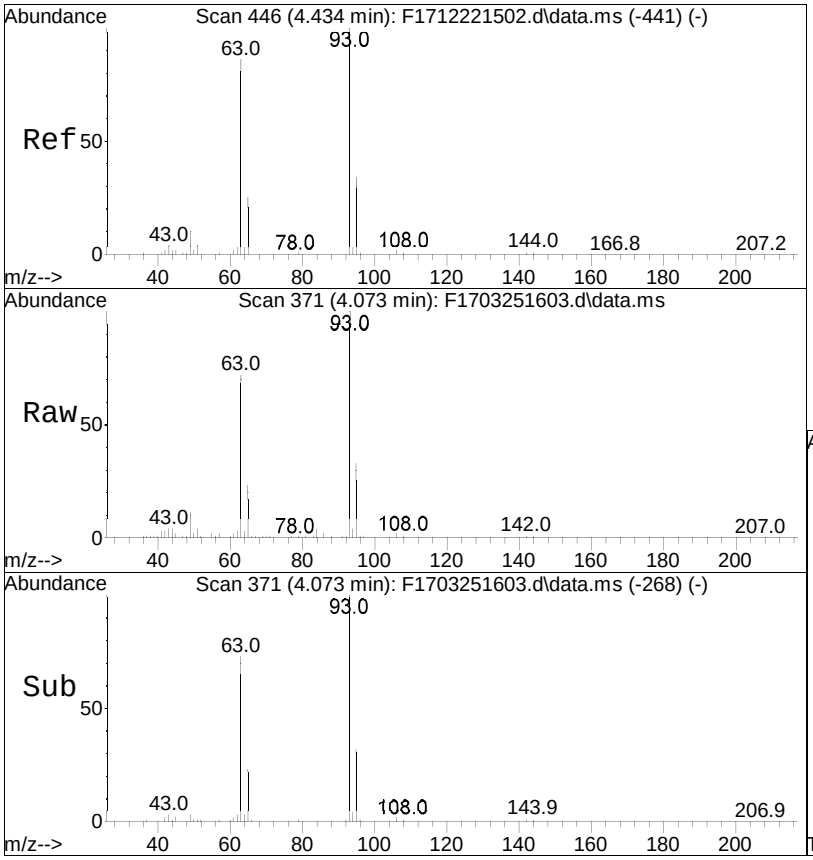


#6
Aniline
Concen: 0.58 ug/ml
RT: 4.020 min Scan# 360
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion: 93 Resp: 102147

Ion	Ratio	Lower	Upper
93	100		
66	37.3	230.5	345.7#
65	19.6	32.5	48.7#

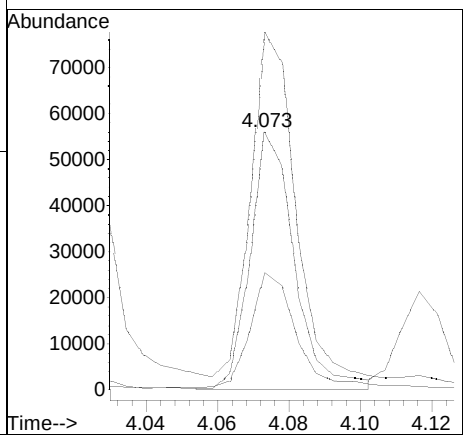


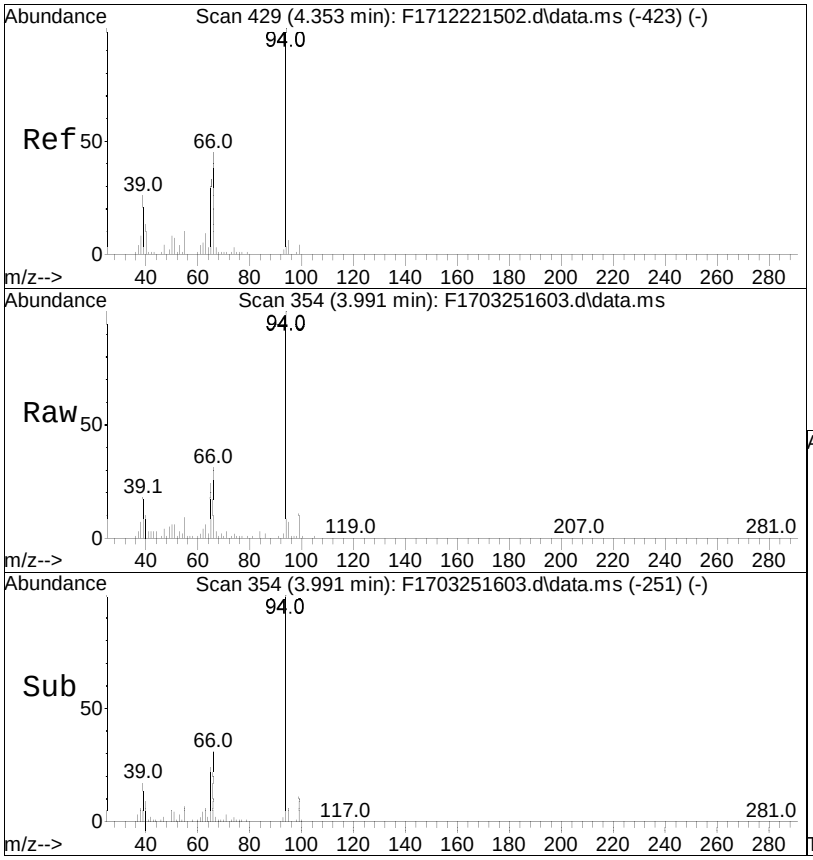


#7
bis(2-Chloroethyl)ether
Concen: 0.59 ug/mL M4
RT: 4.073 min Scan# 371
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion: 63 Resp: 47969

Ion	Ratio	Lower	Upper
63	100		
93	135.3	96.8	145.2
95	46.7	31.6	47.4

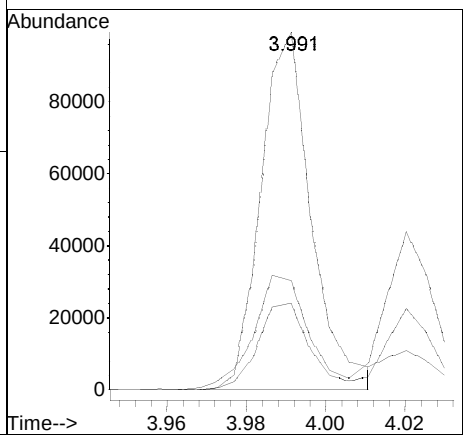


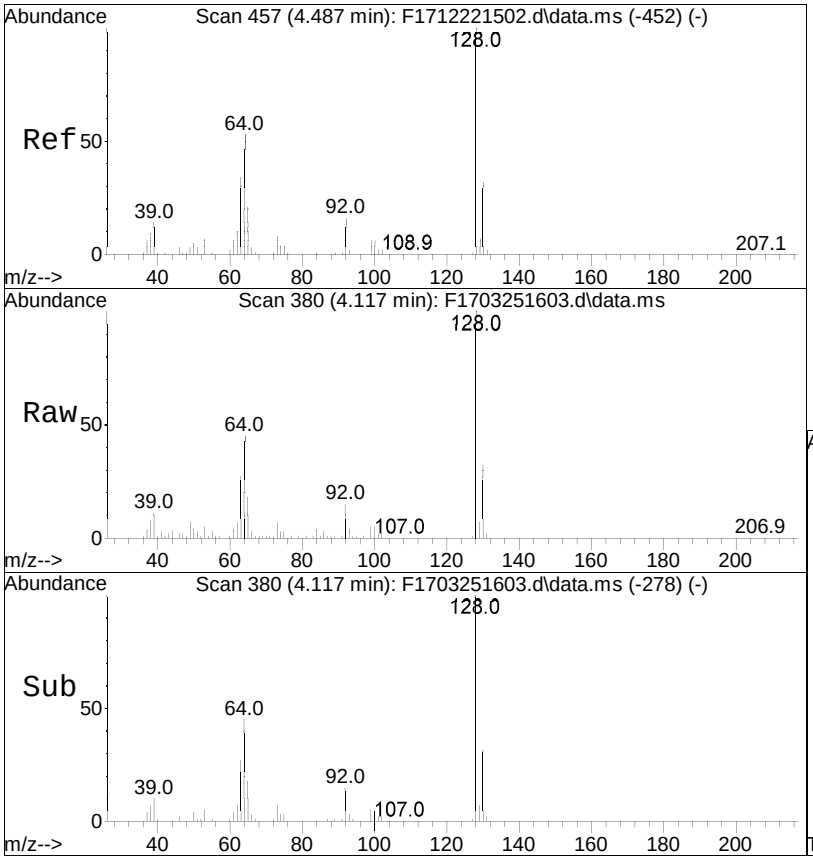


#9
Phenol
Concen: 0.58 ug/mL
RT: 3.991 min Scan# 354
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion: 94 Resp: 87546

Ion	Ratio	Lower	Upper
94	100		
66	35.6	33.4	50.2
65	25.3	22.6	33.8

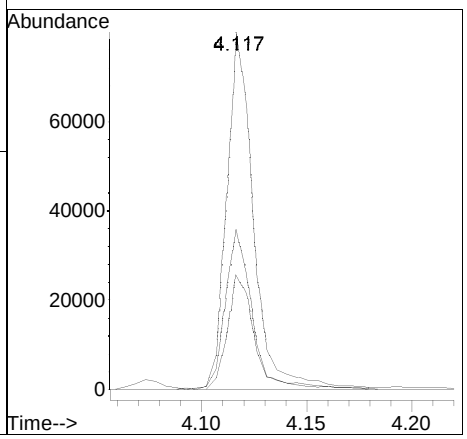


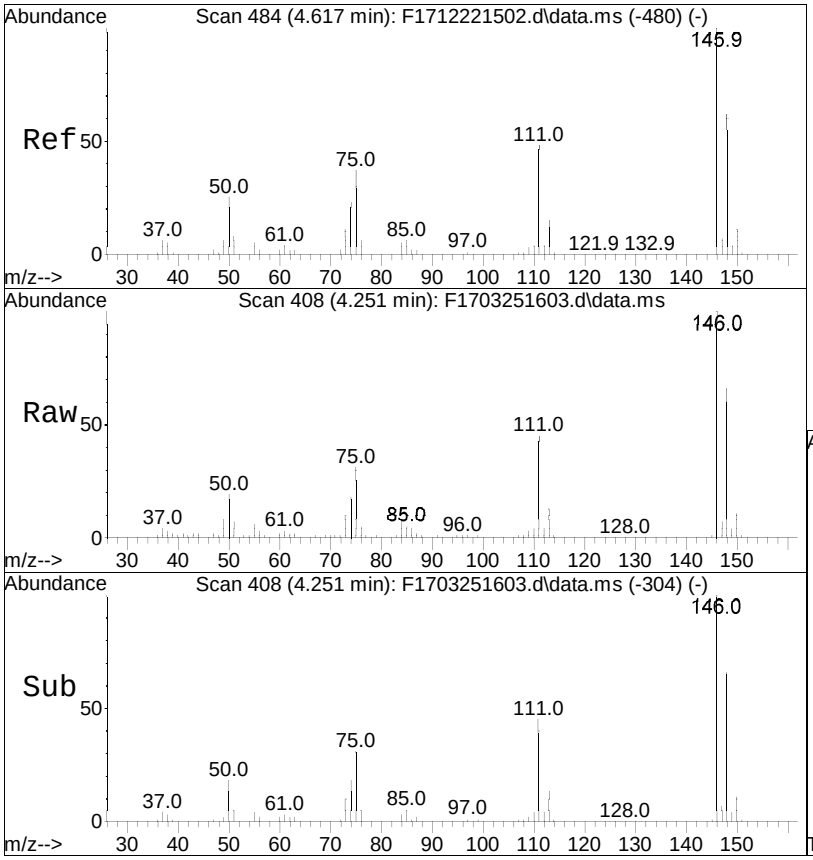


#10
2-Chlorophenol
Concen: 0.57 ug/mL
RT: 4.117 min Scan# 380
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:128 Resp: 70739

Ion	Ratio	Lower	Upper
128	100		
64	45.0	40.0	60.0
130	32.0	25.8	38.6

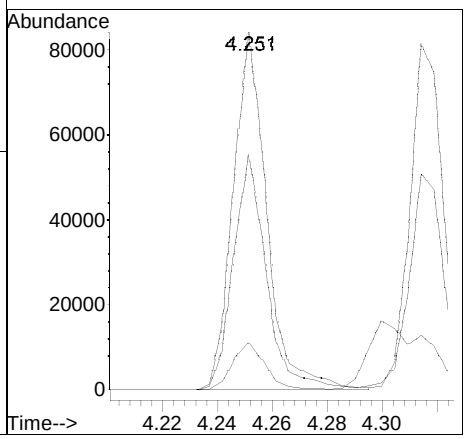


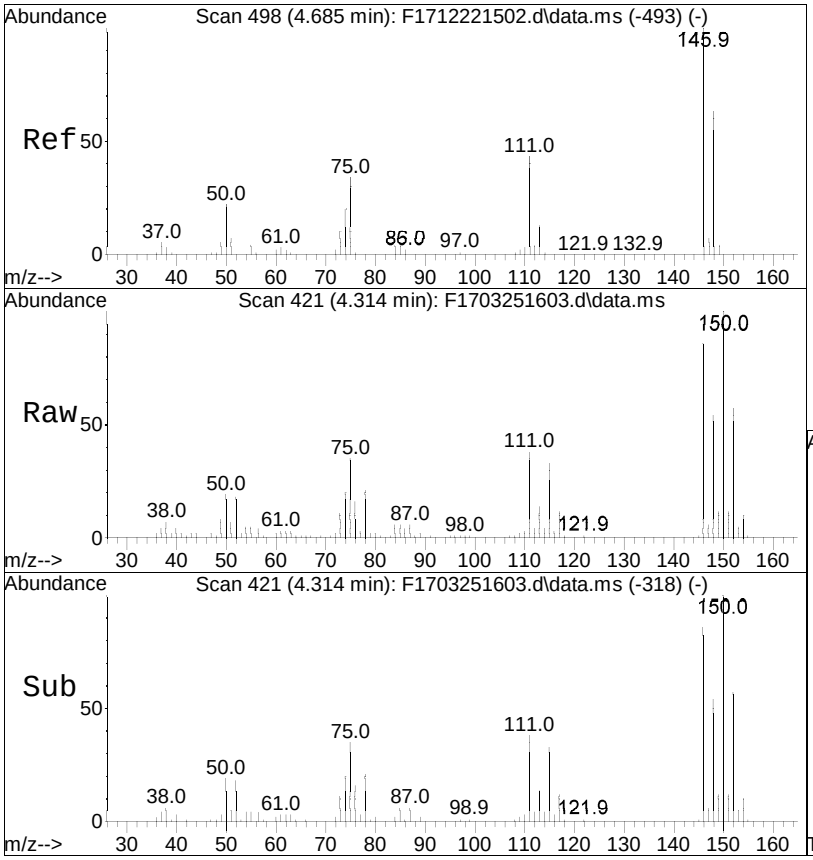


#11
1,3-Dichlorobenzene
Concen: 0.58 ug/mL
RT: 4.251 min Scan# 408
Delta R.T. -0.001 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:146 Resp: 71823

Ion	Ratio	Lower	Upper
146	100		
148	64.7	50.5	75.7
113	13.2	10.2	15.4

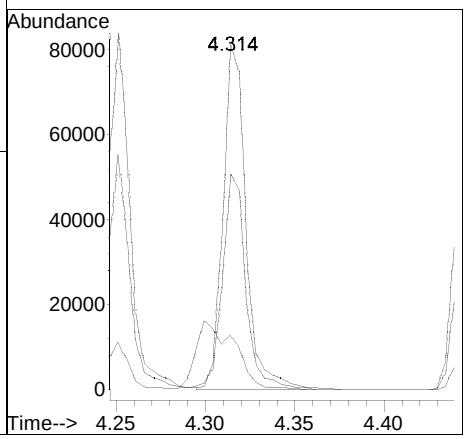


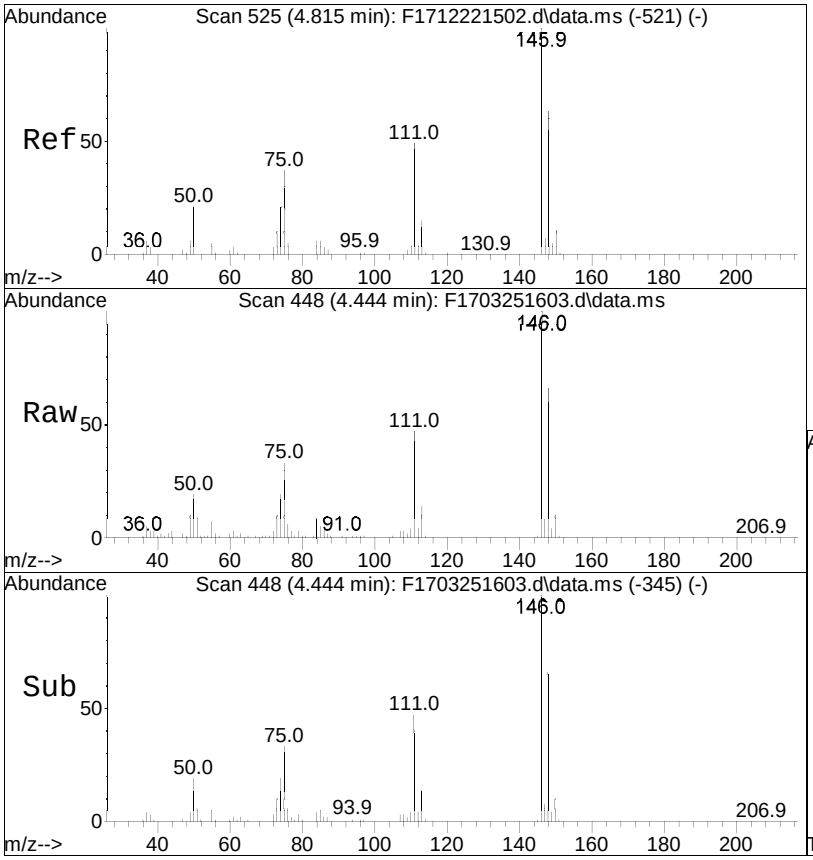


#12
1,4-Dichlorobenzene
Concen: 0.59 ug/mL M4
RT: 4.314 min Scan# 421
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:146 Resp: 72857

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
113	13.0	10.7	16.1

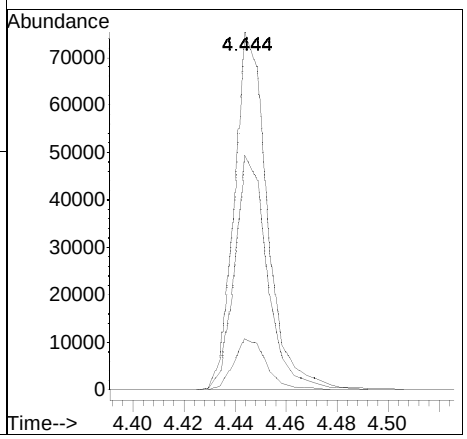


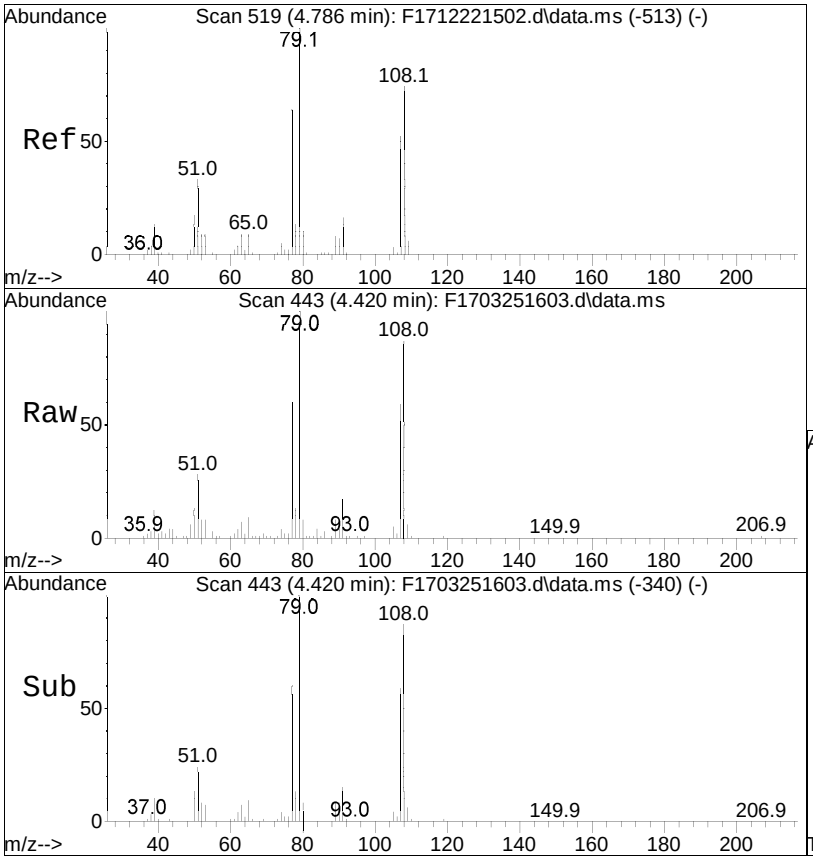


#13
1,2-Dichlorobenzene
Concen: 0.58 ug/mL
RT: 4.444 min Scan# 448
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:146 Resp: 67812

Ion	Ratio	Lower	Upper
146	100		
148	64.9	50.8	76.2
113	14.4	10.7	16.1

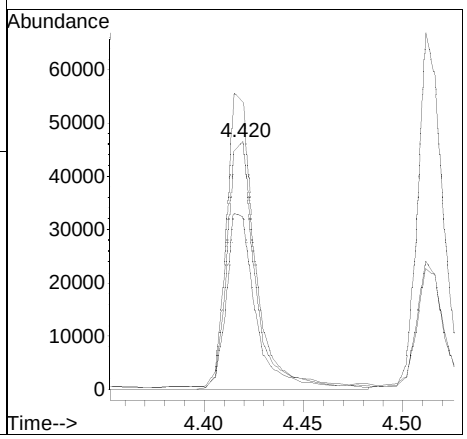


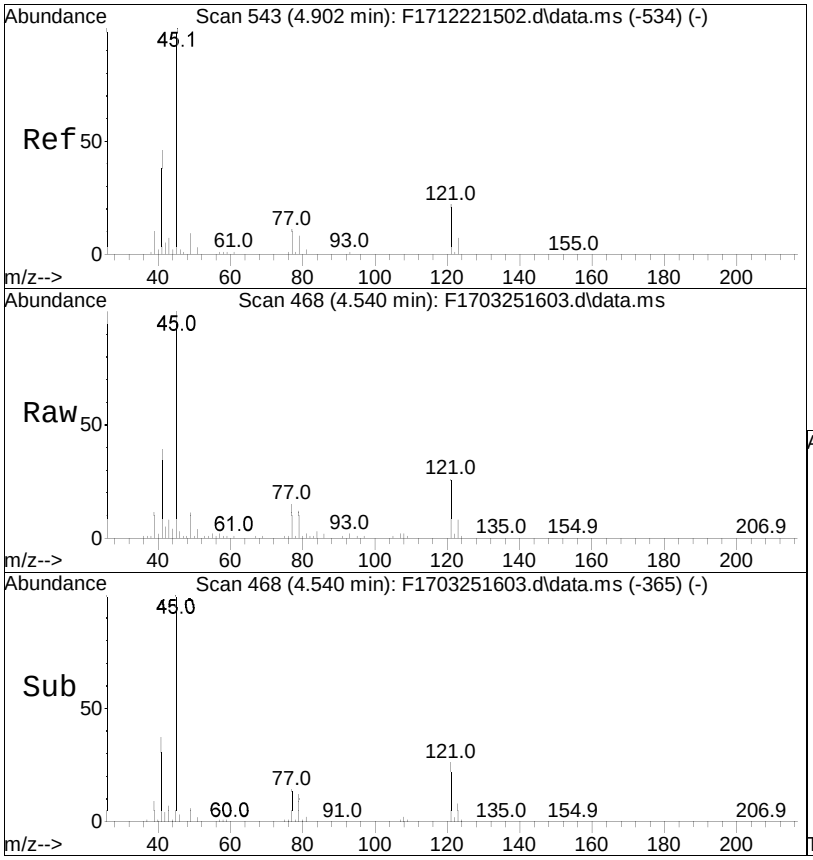


#14
Benzyl alcohol
Concen: 0.57 ug/mL
RT: 4.420 min Scan# 443
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:108 Resp: 46789

Ion	Ratio	Lower	Upper
108	100		
79	115.6	96.7	145.1
77	69.6	60.9	91.3

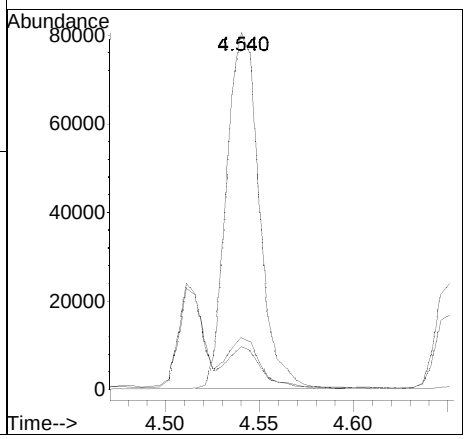


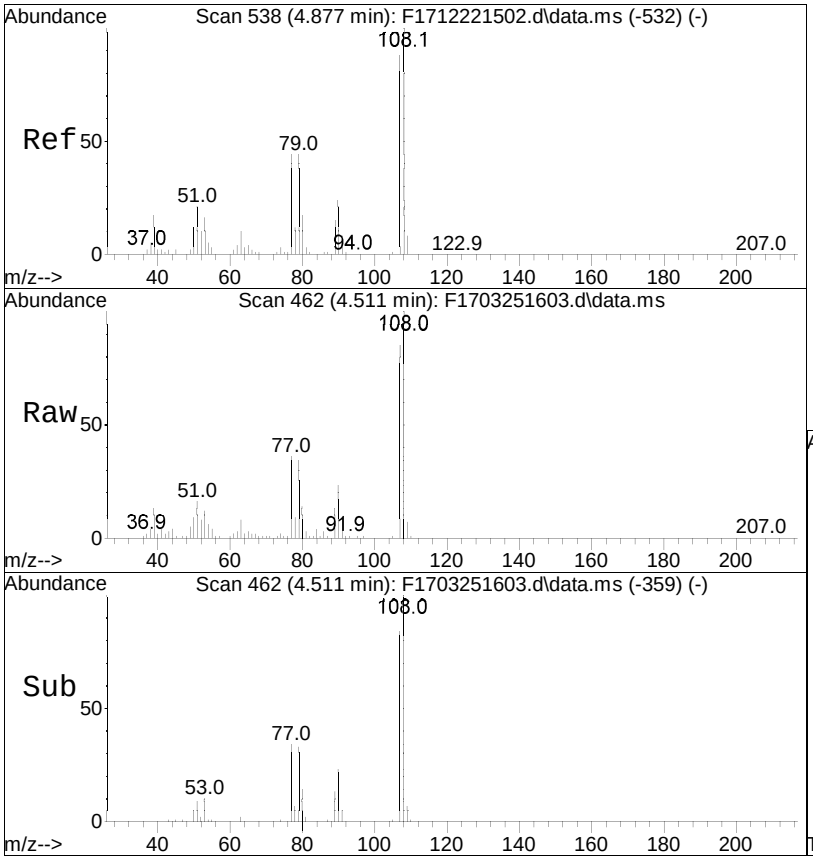


#15
bis(2-chloroisopropyl)ether
Concen: 0.61 ug/mL
RT: 4.540 min Scan# 468
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion: 45 Resp: 96477

Ion	Ratio	Lower	Upper
45	100		
77	14.4	7.7	11.5#
79	11.4	5.8	8.8#

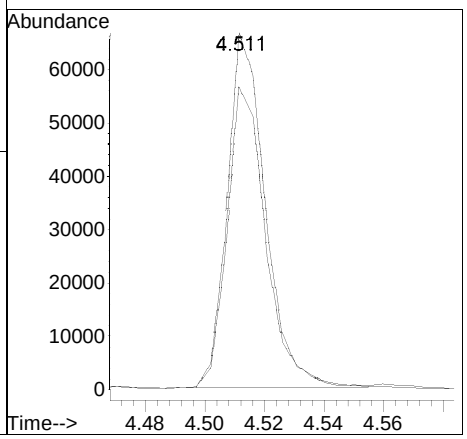


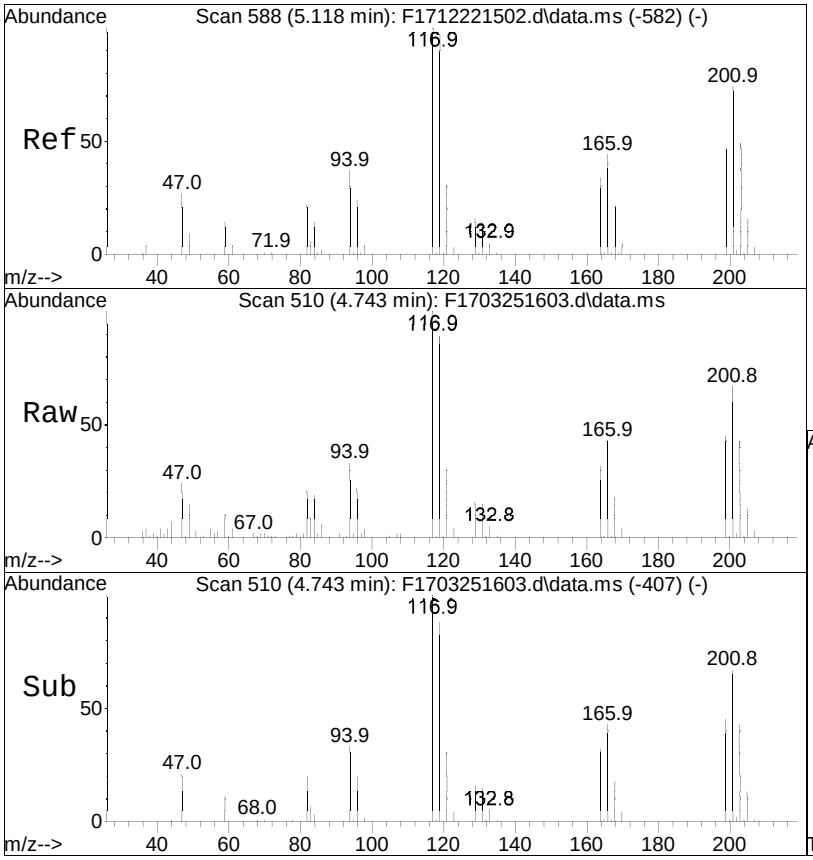


#16
2-Methylphenol
Concen: 0.57 ug/mL
RT: 4.511 min Scan# 462
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:108 Resp: 58592

Ion	Ratio	Lower	Upper
108	100		
107	85.4	68.1	102.1

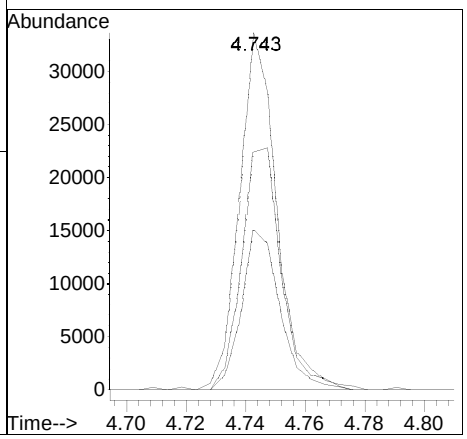


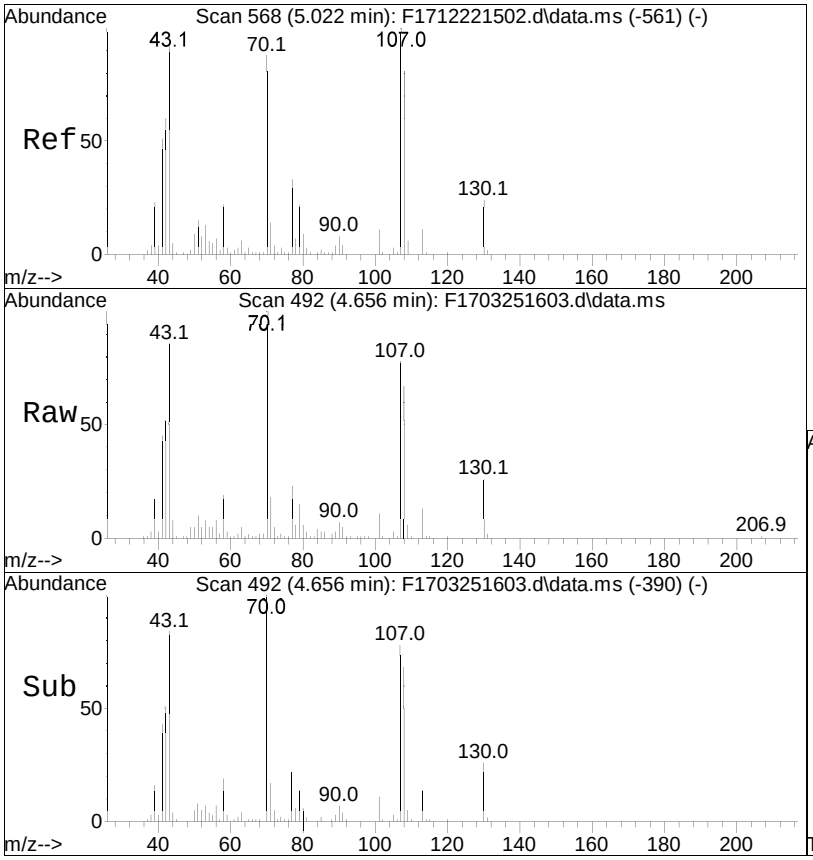


#18
Hexachloroethane
Concen: 0.57 ug/mL
RT: 4.743 min Scan# 510
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:117 Resp: 29292

Ion	Ratio	Lower	Upper
117	100		
201	71.8	69.7	104.5
199	46.3	44.3	66.5

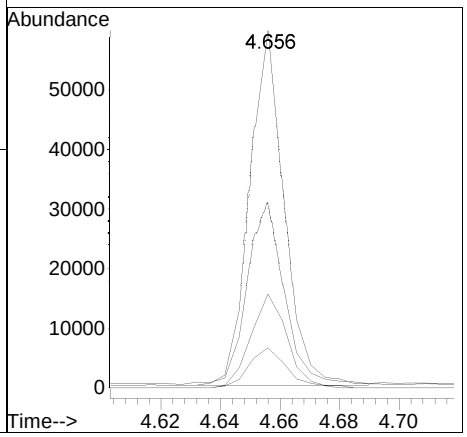


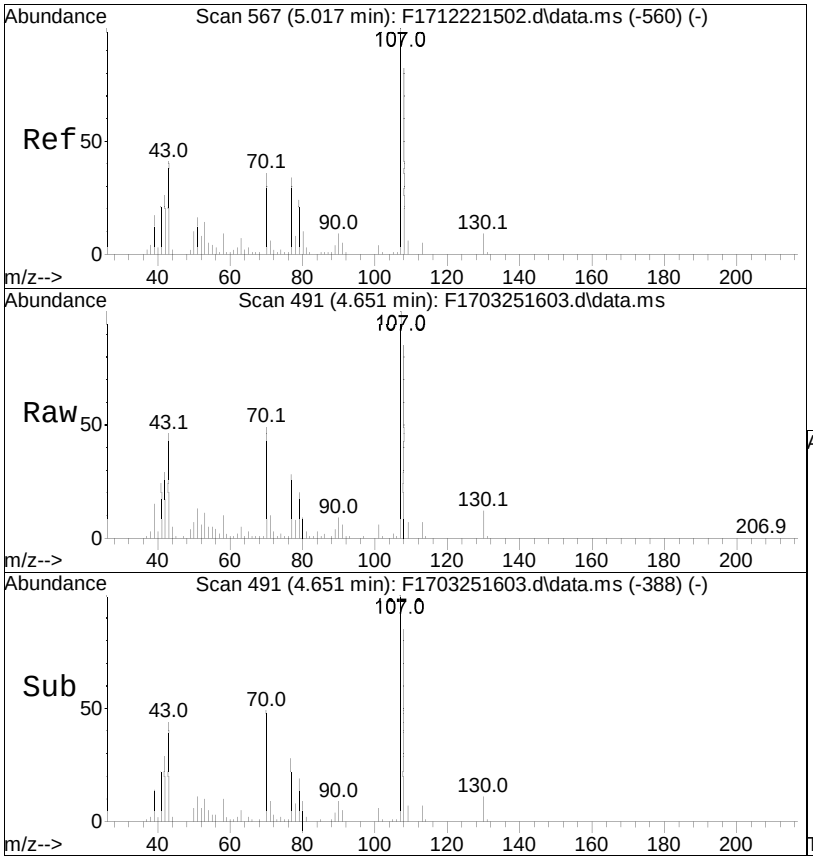


#19
N-Nitroso-di-n-propylamine
Concen: 0.58 ug/mL
RT: 4.656 min Scan# 492
Delta R.T. -0.010 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion: 70 Resp: 47963

Ion	Ratio	Lower	Upper
70	100		
42	53.5	61.4	92.0#
130	27.8	20.5	30.7
101	12.3	9.0	13.6

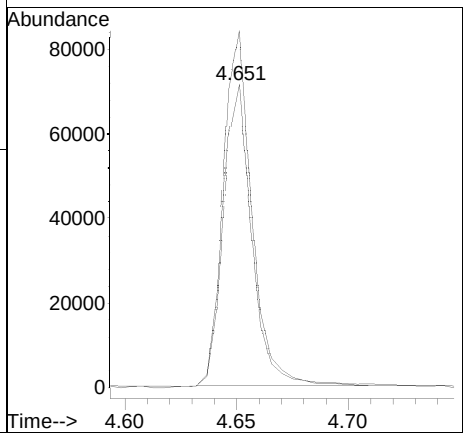


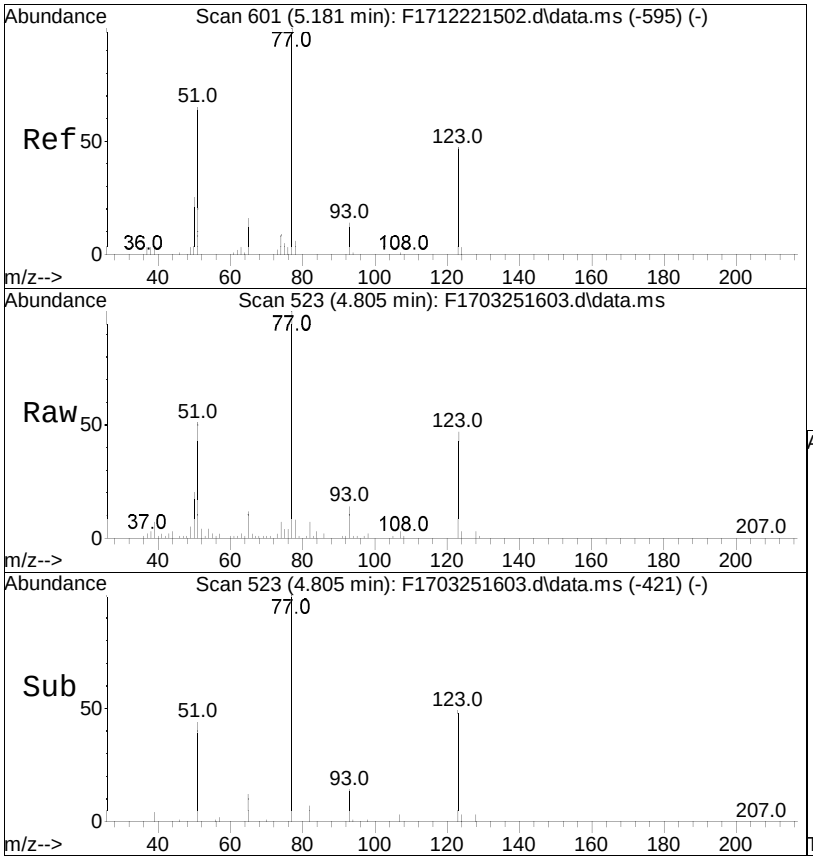


#20
4-Methylphenol
Concen: 0.57 ug/mL
RT: 4.651 min Scan# 491
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:108 Resp: 63374

Ion	Ratio	Lower	Upper
108	100		
107	118.7	94.6	142.0

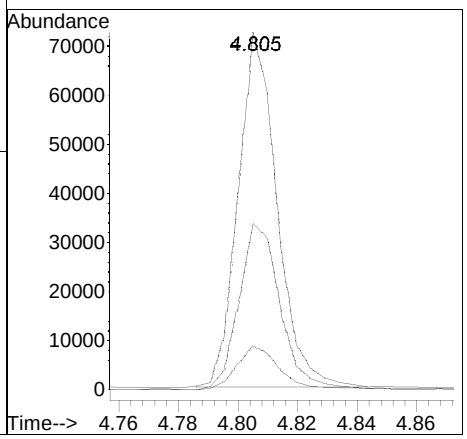


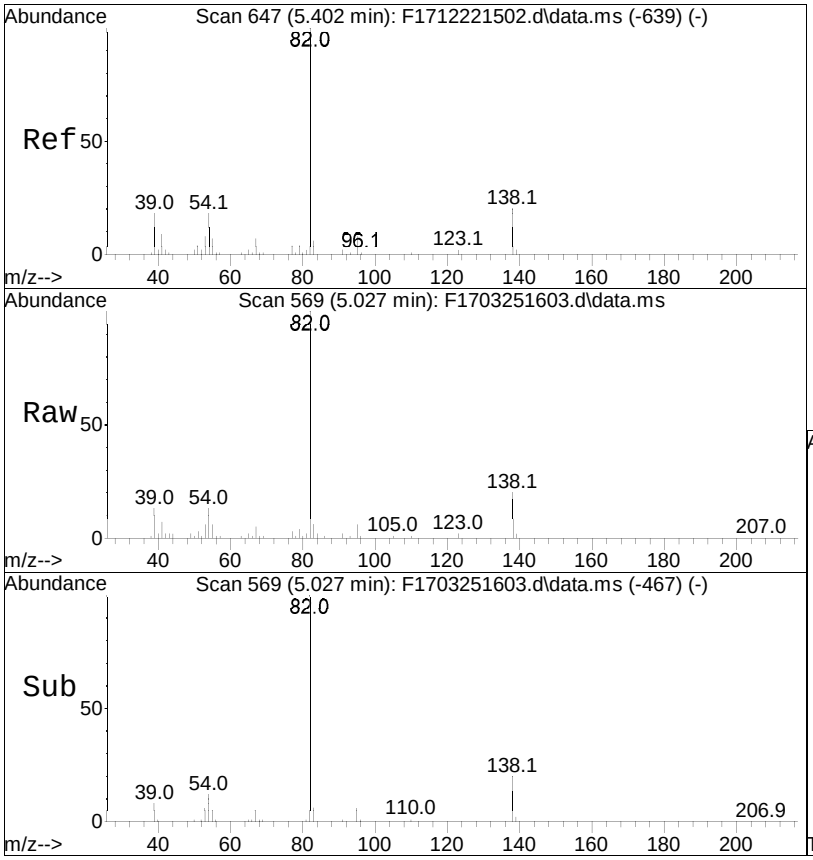


#23
Nitrobenzene
Concen: 0.55 ug/mL
RT: 4.805 min Scan# 523
Delta R.T. -0.010 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion: 77 Resp: 64738

Ion	Ratio	Lower	Upper
77	100		
123	50.0	38.9	58.3
65	14.1	11.8	17.6

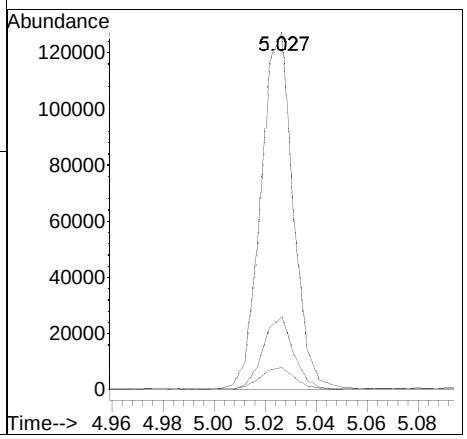


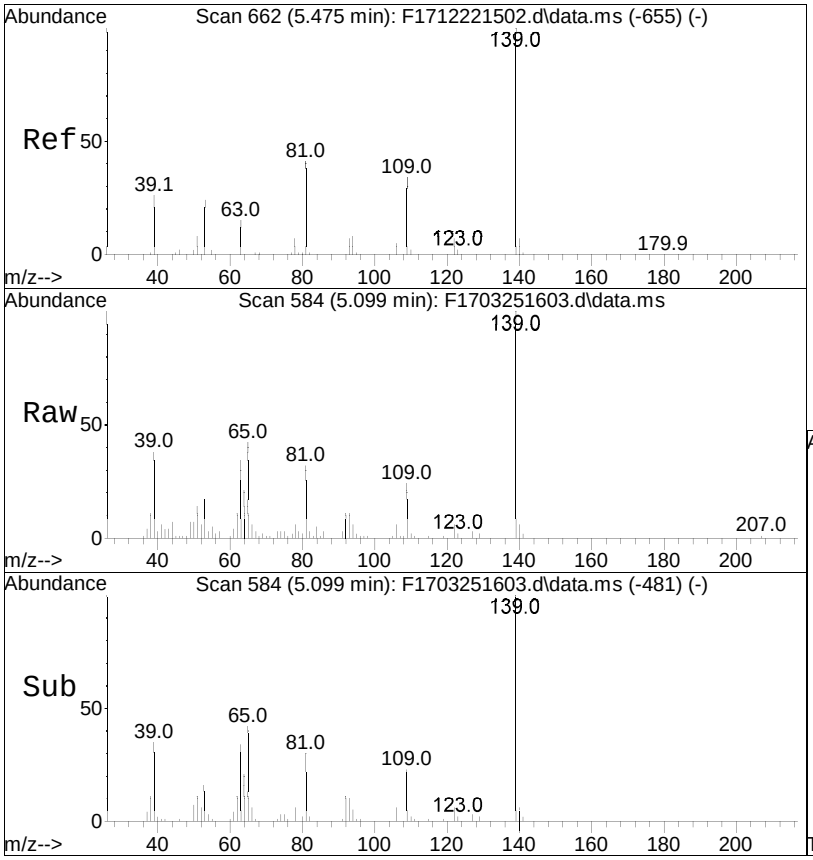


#24
Isophorone
Concen: 0.57 ug/mL
RT: 5.027 min Scan# 569
Delta R.T. -0.010 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion: 82 Resp: 111378

Ion	Ratio	Lower	Upper
82	100		
138	19.6	16.2	24.4
95	6.3	5.6	8.4

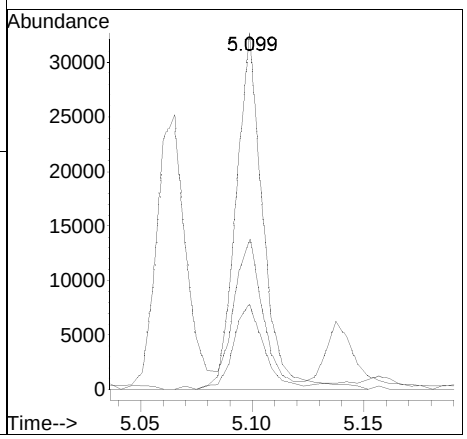


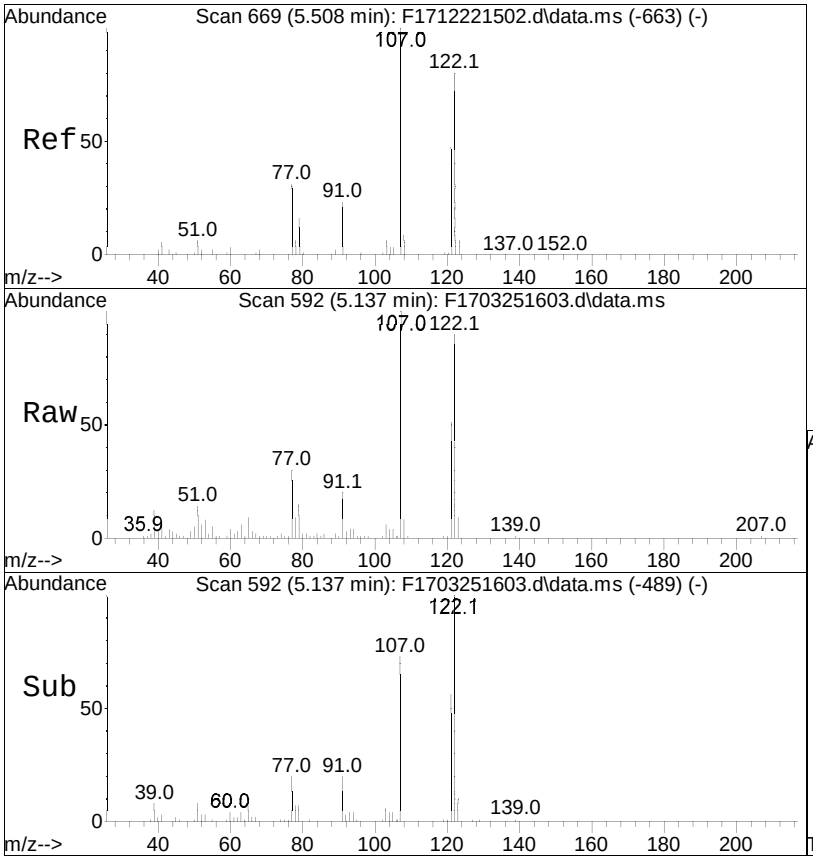


#25
2-Nitrophenol
Concen: 0.47 ug/mL
RT: 5.099 min Scan# 584
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:139 Resp: 27499

Ion	Ratio	Lower	Upper
139	100		
65	43.0	37.6	56.4
109	27.0	22.6	34.0

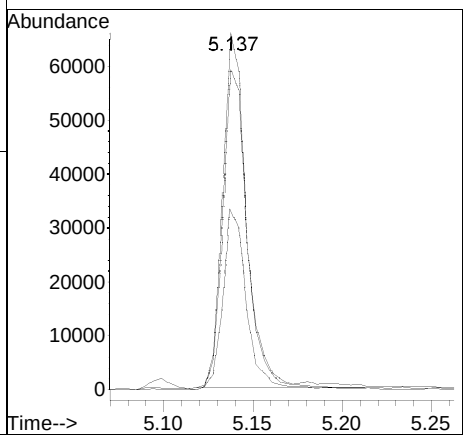


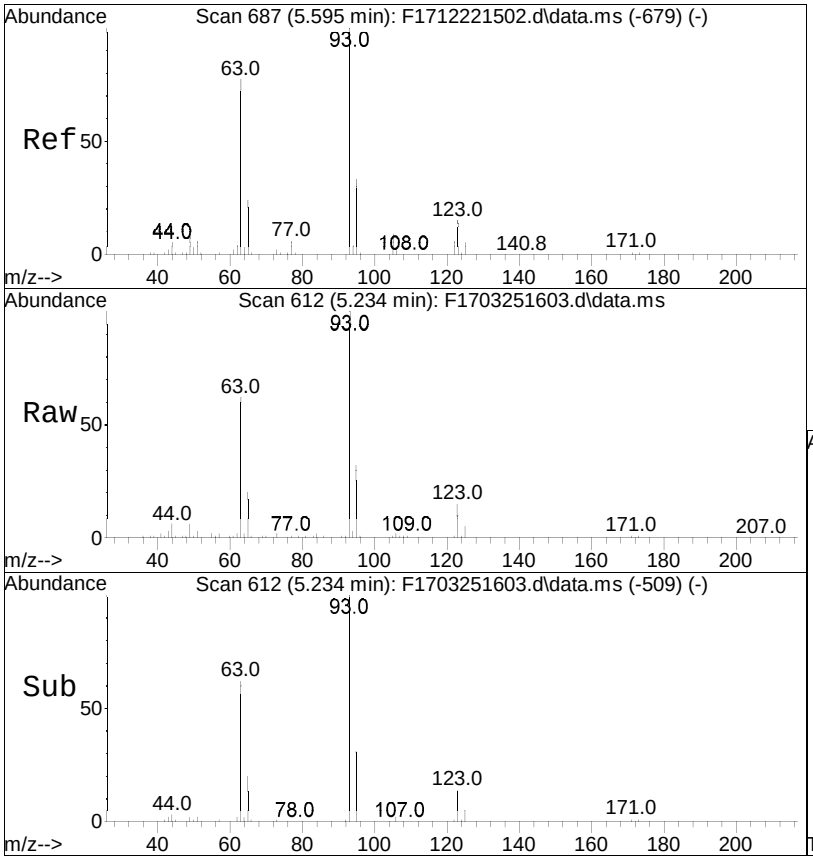


#26
2,4-Dimethylphenol
Concen: 0.59 ug/mL
RT: 5.137 min Scan# 592
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:107 Resp: 60224

Ion	Ratio	Lower	Upper
107	100		
122	92.3	72.1	108.1
121	50.6	40.1	60.1

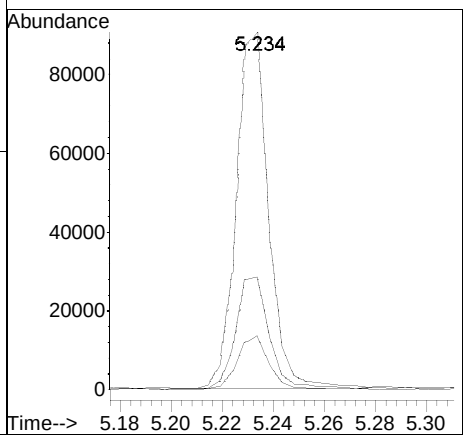


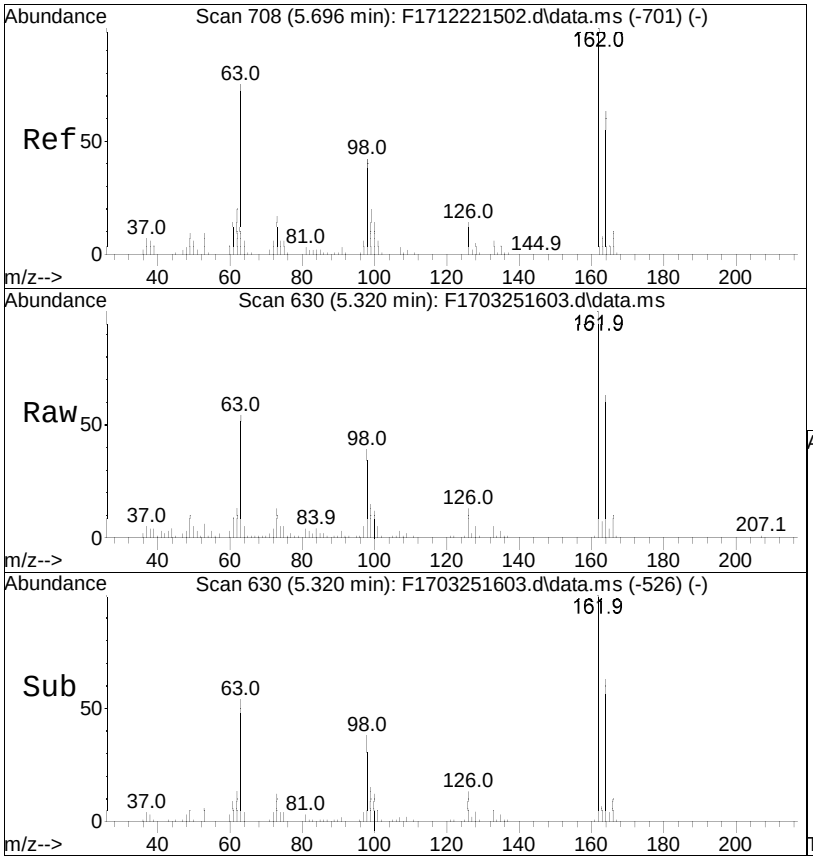


#28
bis(2-Chloroethoxy)methane
Concen: 0.58 ug/mL
RT: 5.234 min Scan# 612
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion: 93 Resp: 78540

Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.9	38.9
123	15.1	12.4	18.6

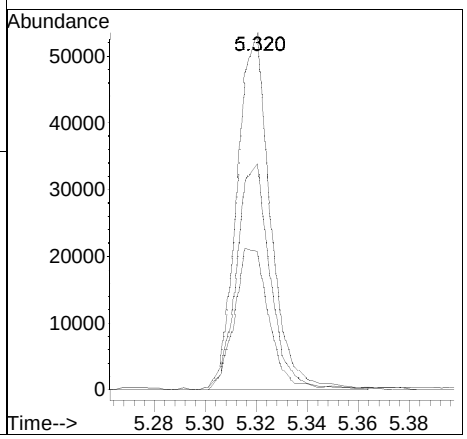


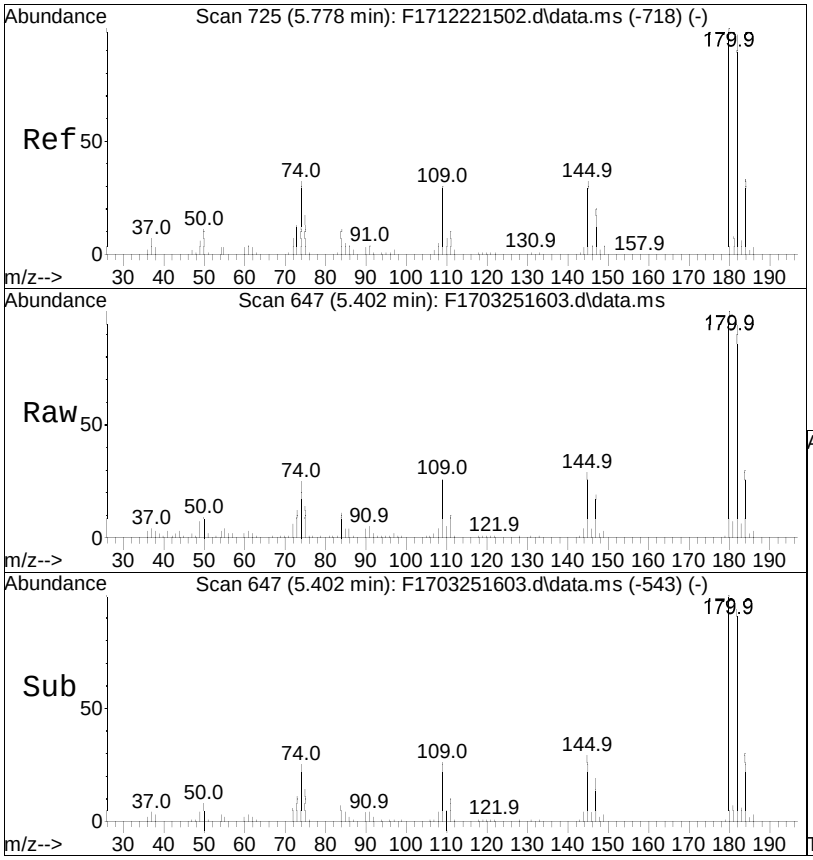


#29
2,4-Dichlorophenol
Concen: 0.54 ug/mL
RT: 5.320 min Scan# 630
Delta R.T. -0.001 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:162 Resp: 48788

Ion	Ratio	Lower	Upper
162	100		
164	63.4	50.2	75.2
98	41.1	28.6	43.0

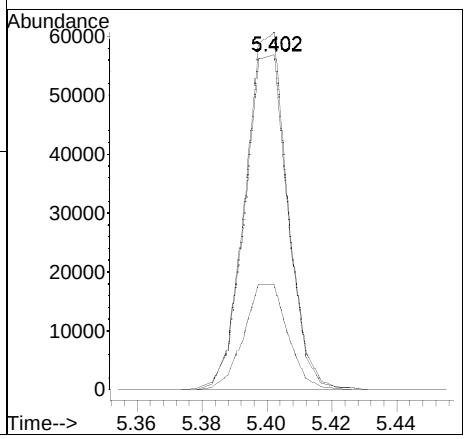


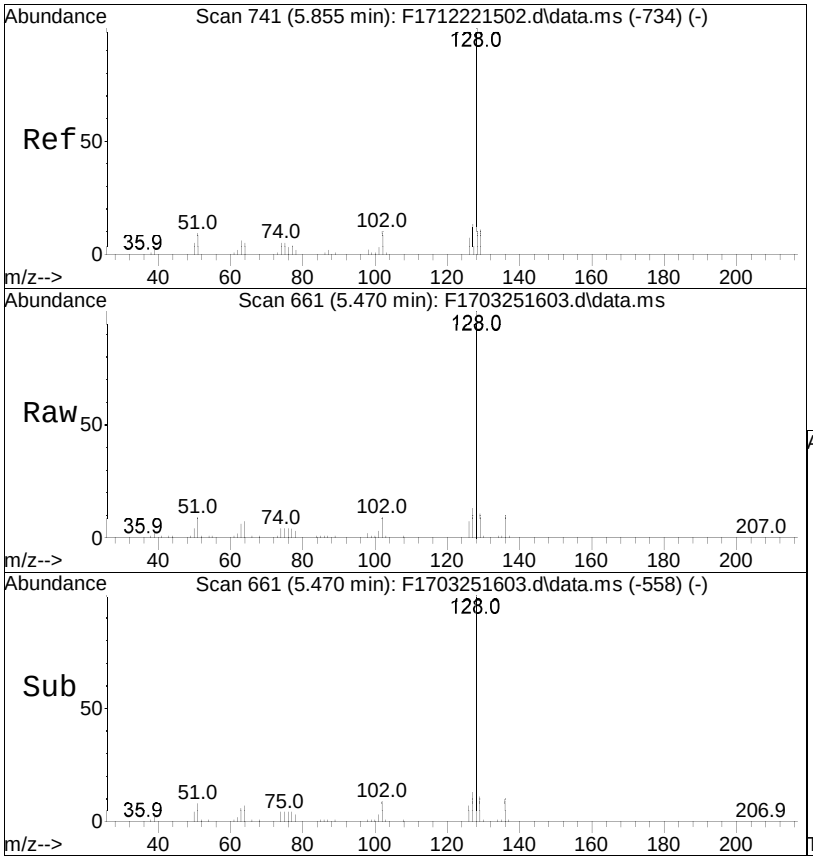


#30
1,2,4-Trichlorobenzene
Concen: 0.57 ug/mL
RT: 5.402 min Scan# 647
Delta R.T. 0.000 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:180 Resp: 54710

Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.6	113.4
145	30.6	24.3	36.5

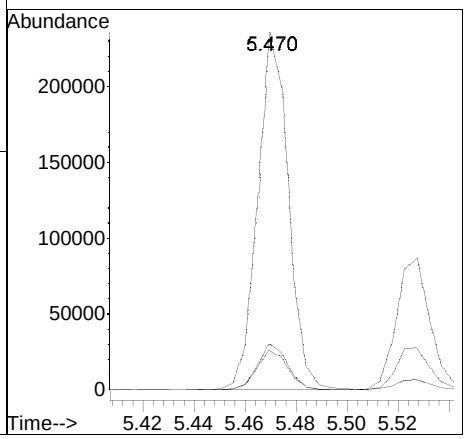


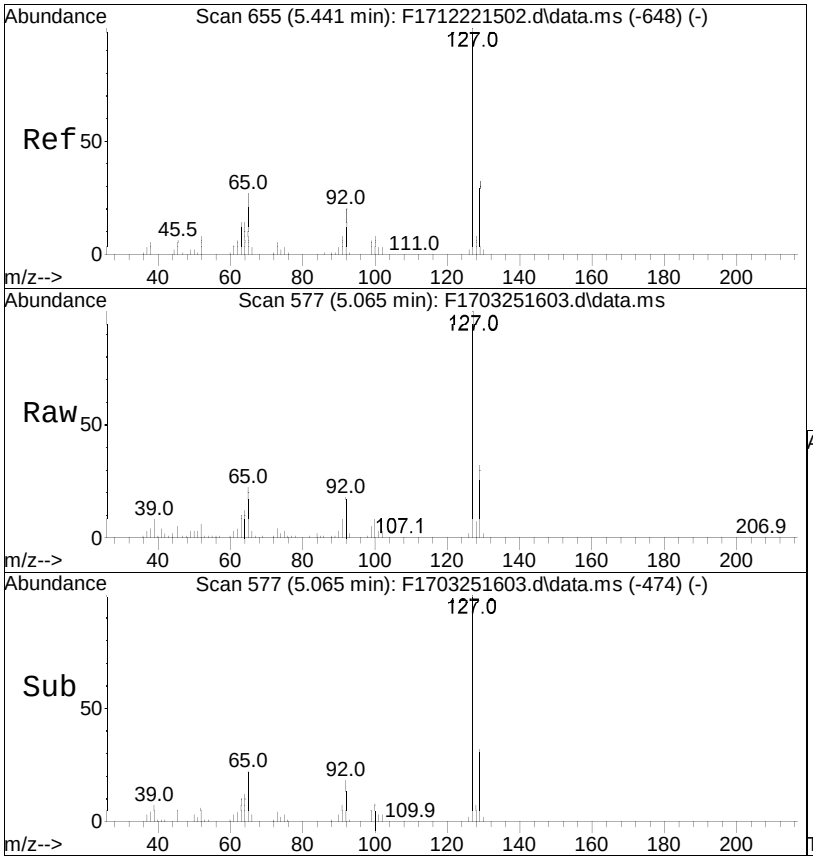


#31
Naphthalene
Concen: 0.60 ug/mL
RT: 5.470 min Scan# 661
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:128 Resp: 195481

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.7	13.1
127	12.8	10.2	15.4

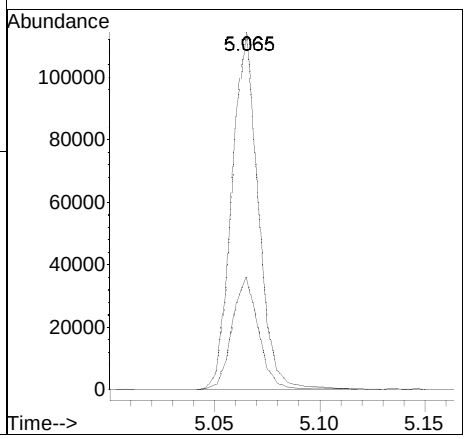


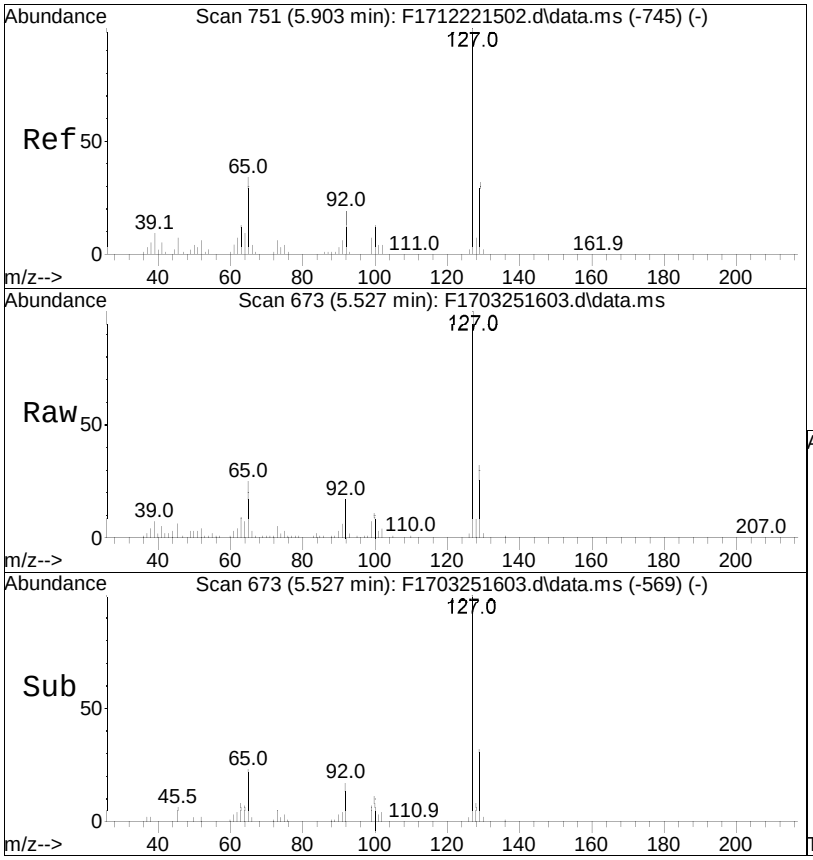


#32
2-Chloroaniline
Concen: 0.59 ug/ml
RT: 5.065 min Scan# 577
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:127 Resp: 99488

Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.7	38.5

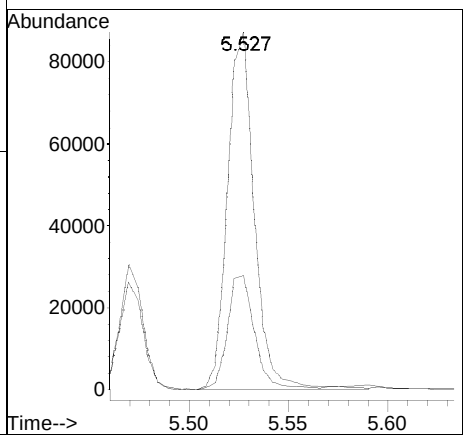


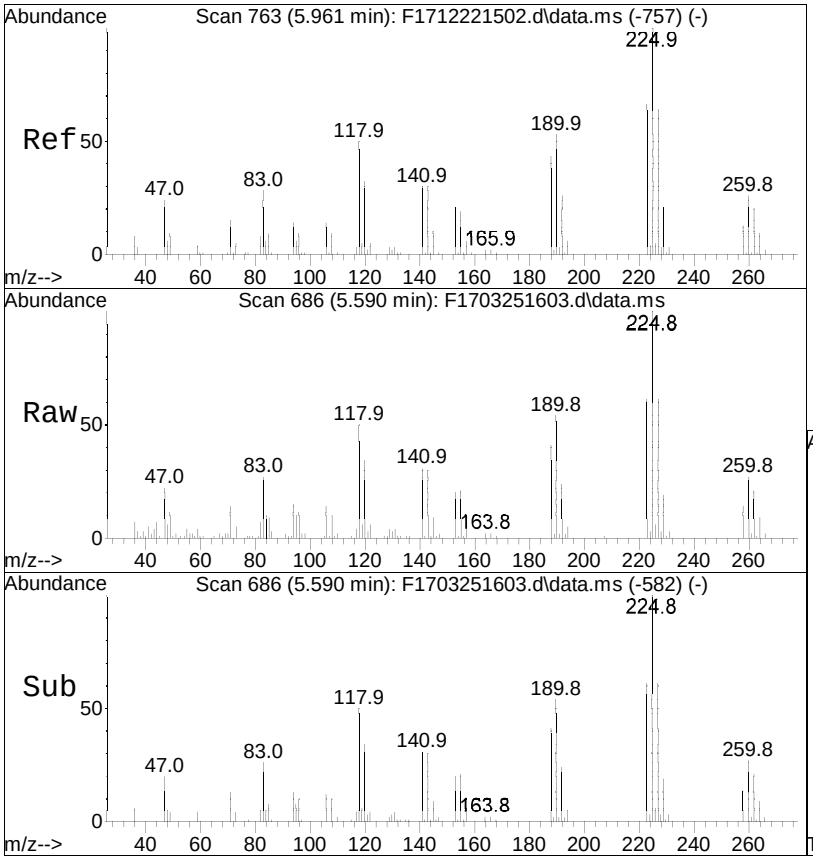


#33
4-Chloroaniline
Concen: 0.57 ug/mL
RT: 5.527 min Scan# 673
Delta R.T. -0.001 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:127 Resp: 82074

Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.4	38.2

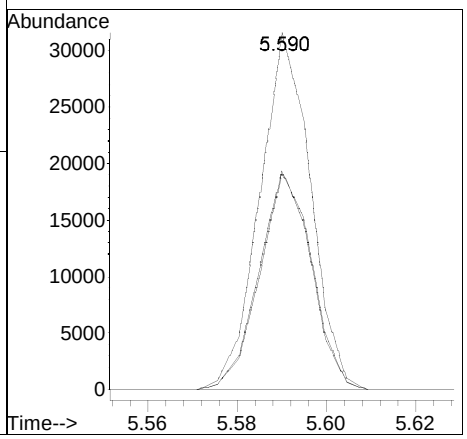


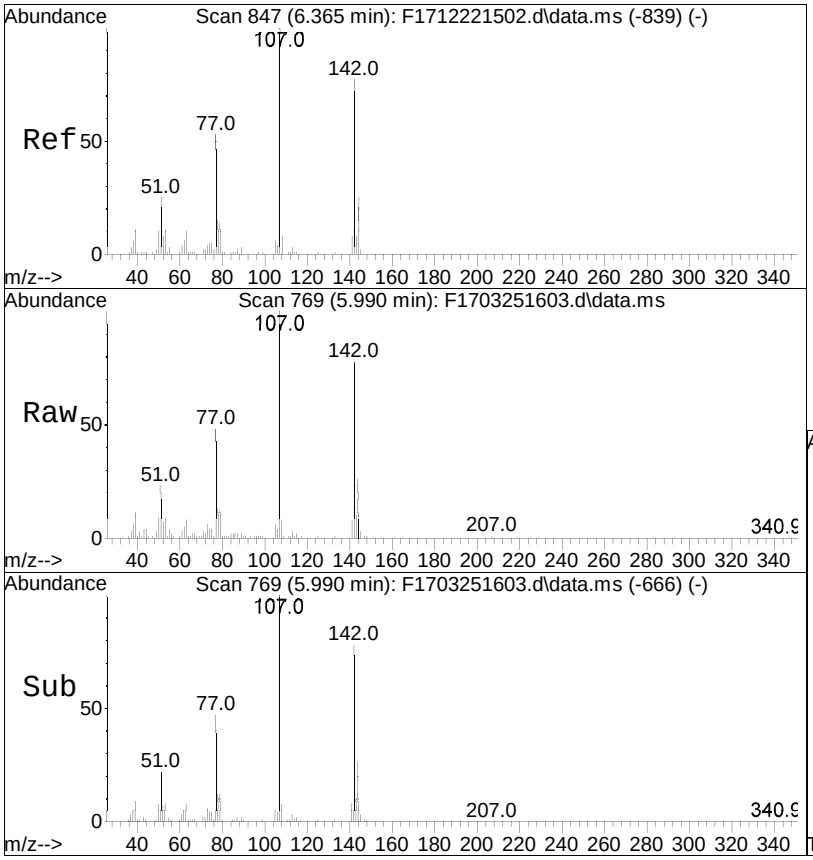


#34
Hexachlorobutadiene
Concen: 0.55 ug/mL
RT: 5.590 min Scan# 686
Delta R.T. 0.000 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:225 Resp: 24959

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.8	76.2
227	62.4	50.7	76.1

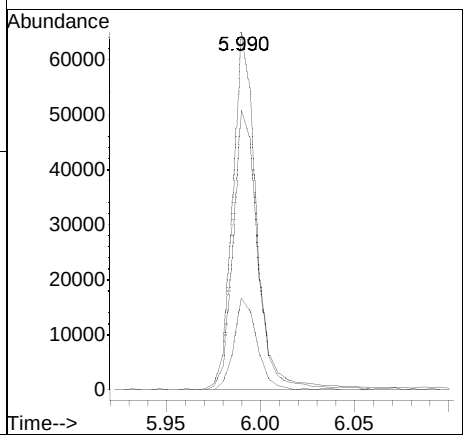


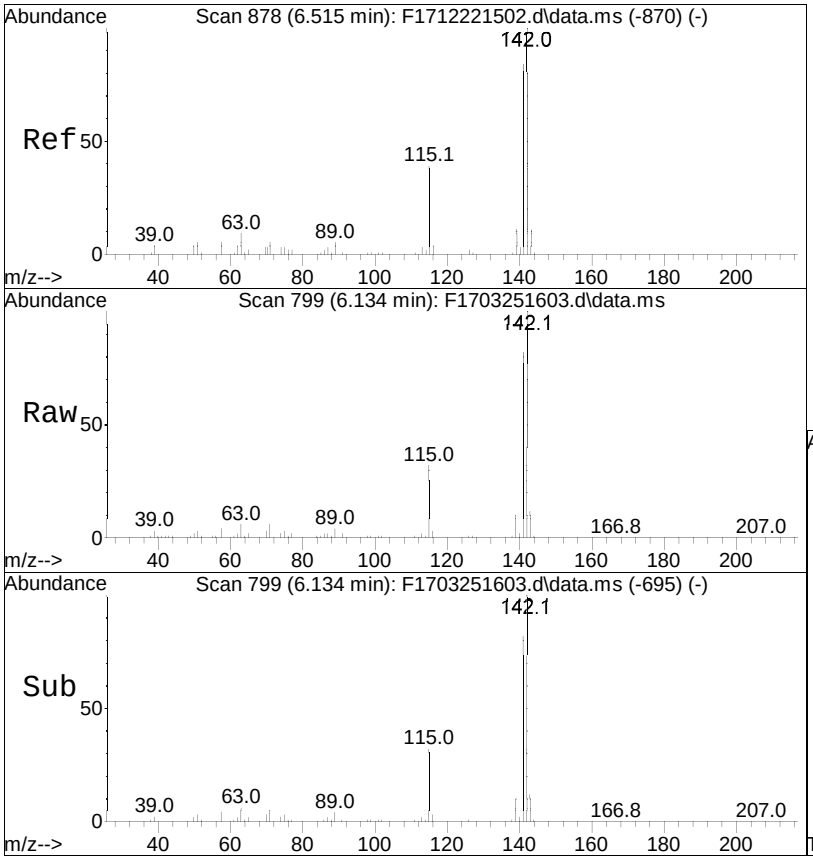


#36
4-Chloro-3-methylphenol
Concen: 0.57 ug/mL
RT: 5.990 min Scan# 769
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:107 Resp: 57429

Ion	Ratio	Lower	Upper
107	100		
144	24.6	21.8	32.8
142	79.6	67.5	101.3

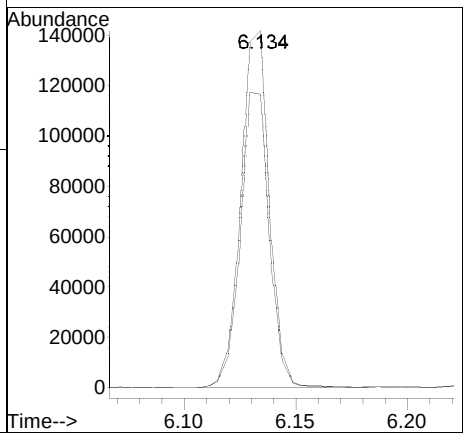


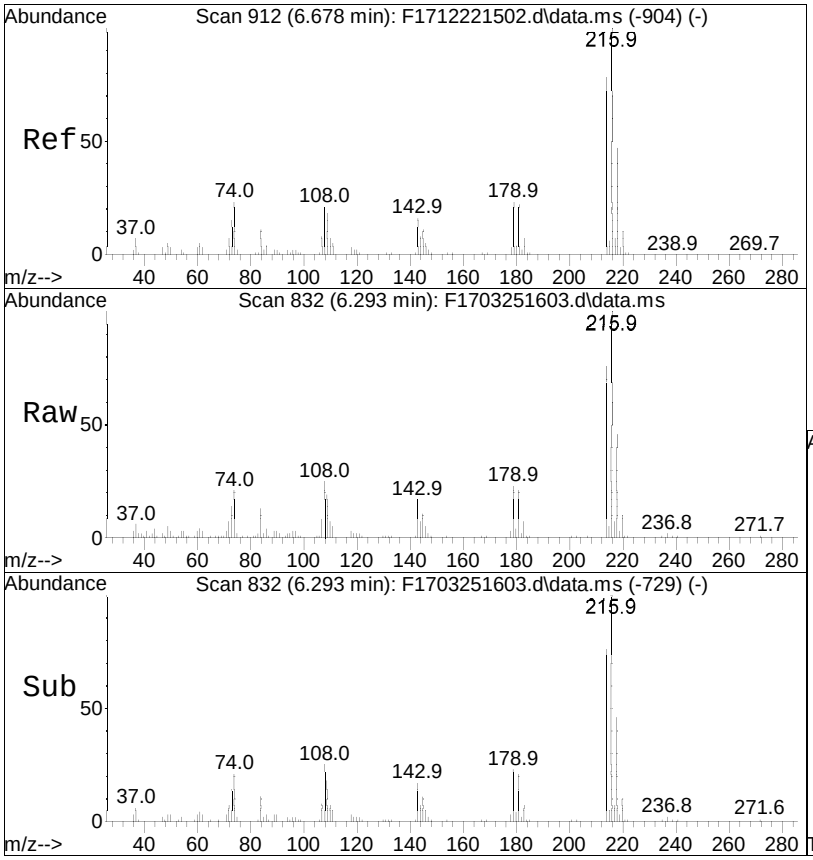


#37
2-Methylnaphthalene
Concen: 0.60 ug/mL
RT: 6.134 min Scan# 799
Delta R.T. 0.000 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:142 Resp: 126154

Ion	Ratio	Lower	Upper
142	100		
141	83.1	67.4	101.2

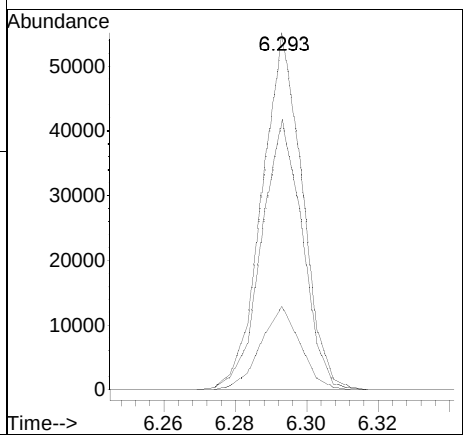


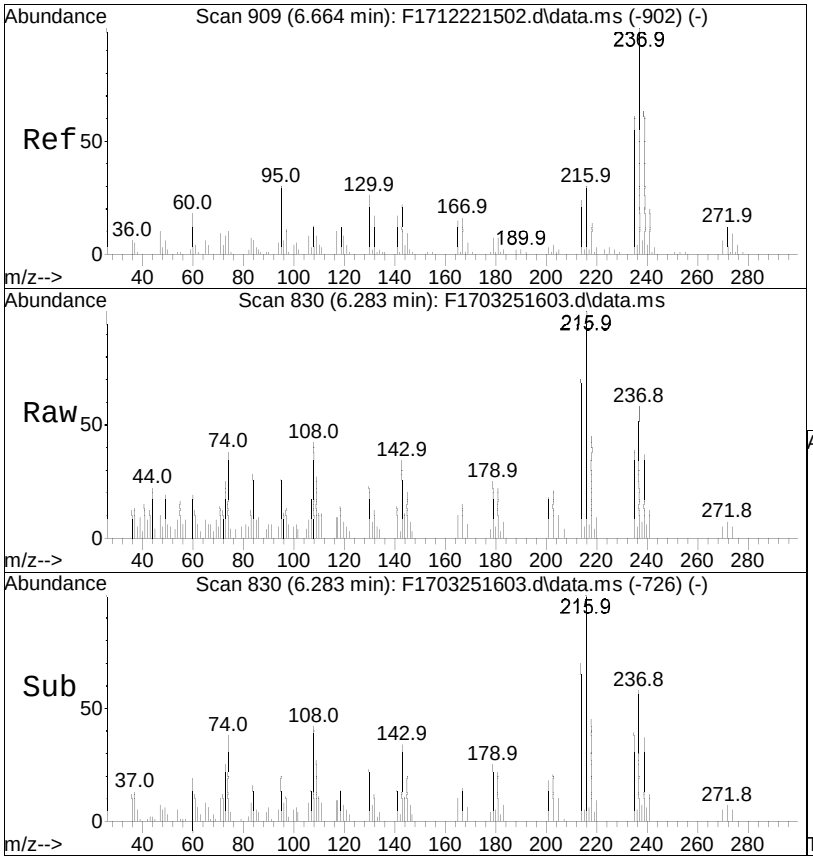


#39
1,2,4,5-Tetrachlorobenzene
Concen: 0.58 ug/mL
RT: 6.293 min Scan# 832
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:216 Resp: 43330

Ion	Ratio	Lower	Upper
216	100		
214	76.6	63.6	95.4
179	22.9	17.8	26.8

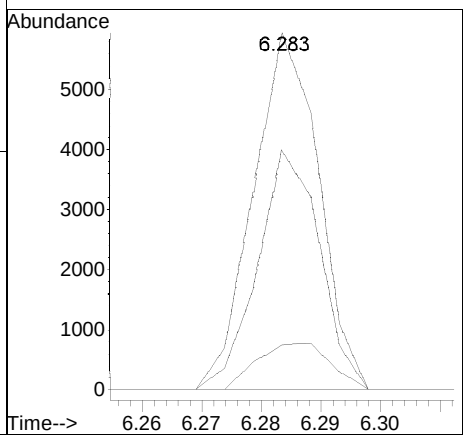


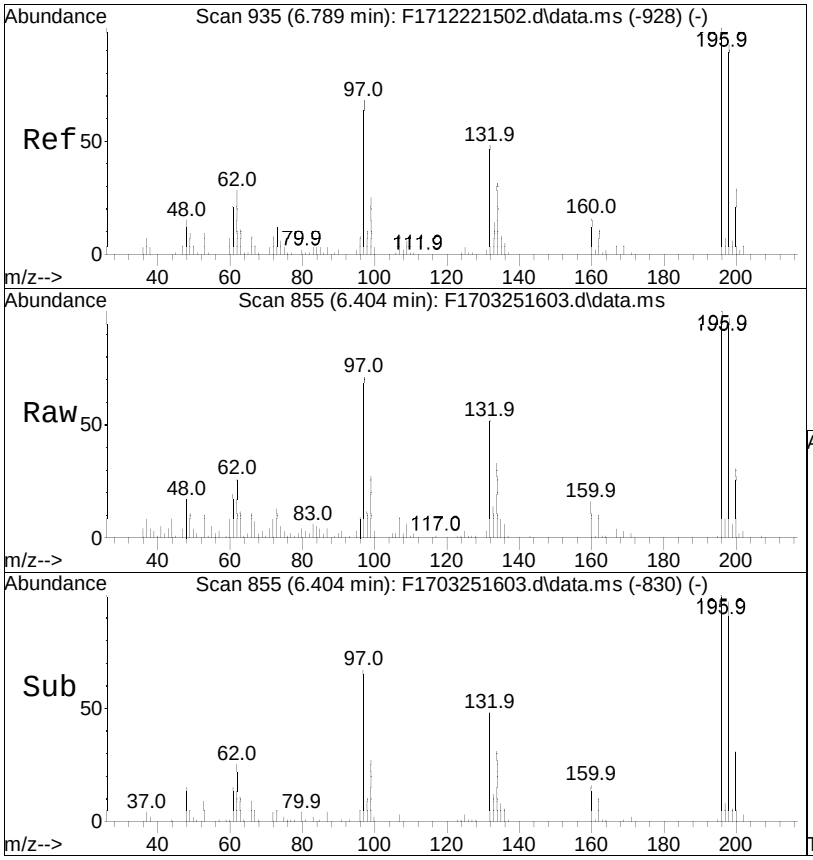


#40
Hexachlorocyclopentadiene
Concen: 0.60 ug/mL
RT: 6.283 min Scan# 830
Delta R.T. -0.001 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:237 Resp: 4519

Ion	Ratio	Lower	Upper
237	100		
235	63.8	50.2	75.2
272	14.6	10.2	15.2

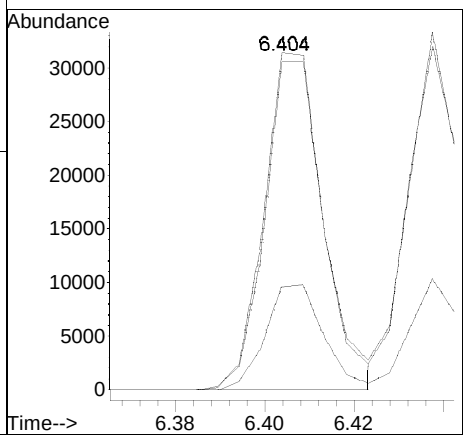


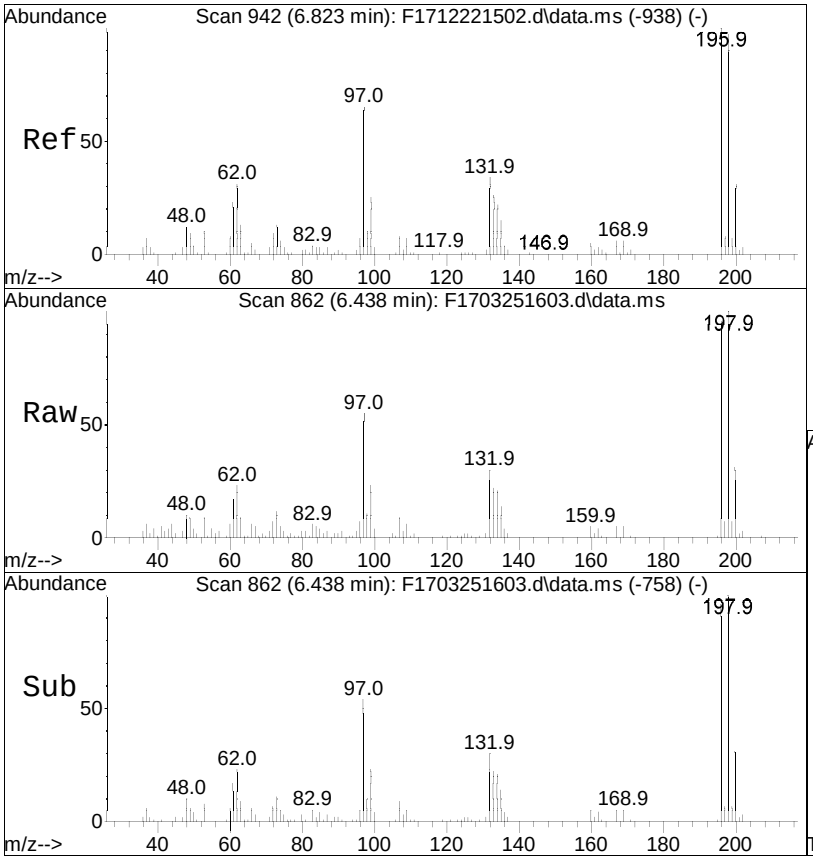


#41
2,4,6-Trichlorophenol
Concen: 0.49 ug/mL
RT: 6.404 min Scan# 855
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:196 Resp: 28699

Ion	Ratio	Lower	Upper
196	100		
198	97.9	81.5	122.3
200	31.0	25.9	38.9

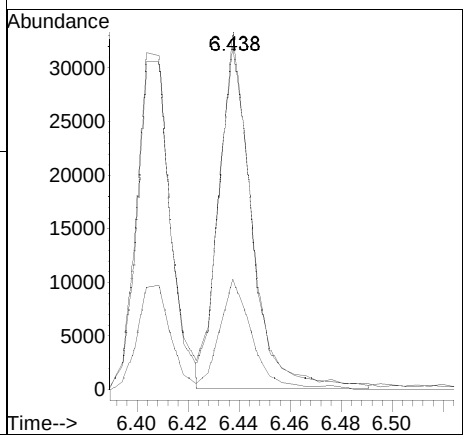


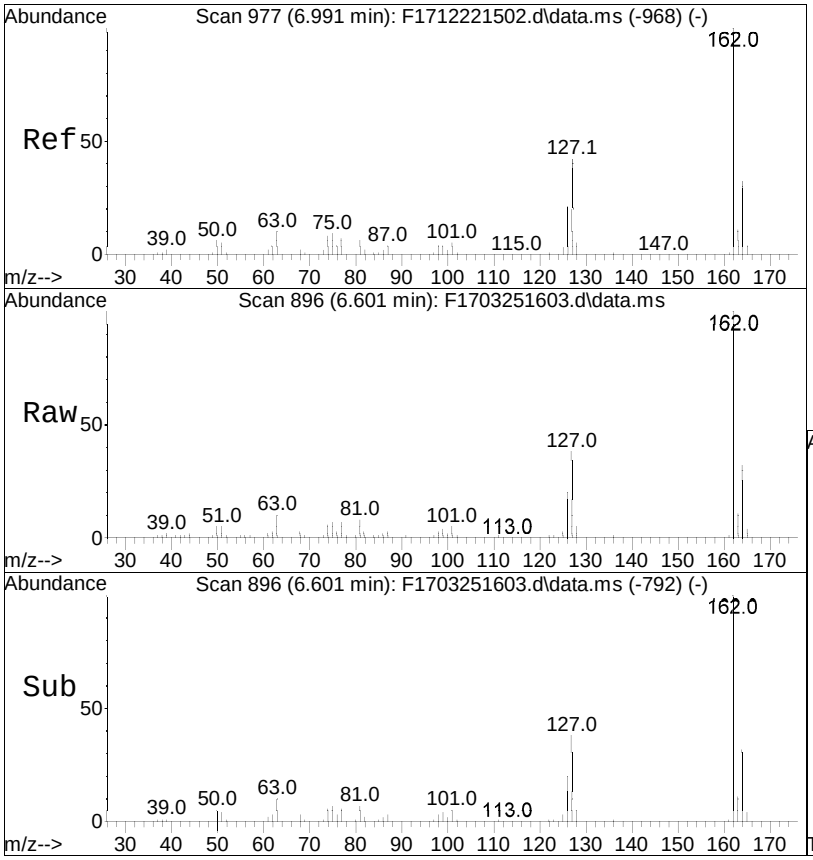


#42
2,4,5-Trichlorophenol
Concen: 0.52 ug/mL M4
RT: 6.438 min Scan# 862
Delta R.T. -0.000 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:196 Resp: 29250

Ion	Ratio	Lower	Upper
196	100		
198	96.3	81.3	121.9
200	28.6	25.5	38.3

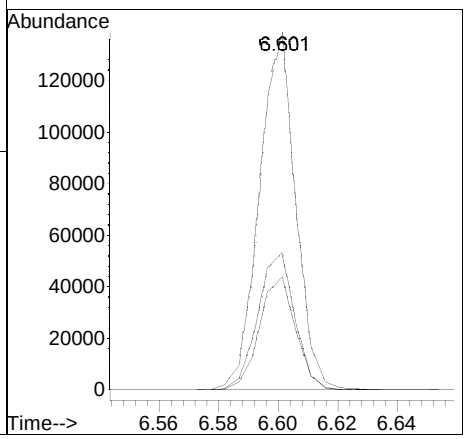


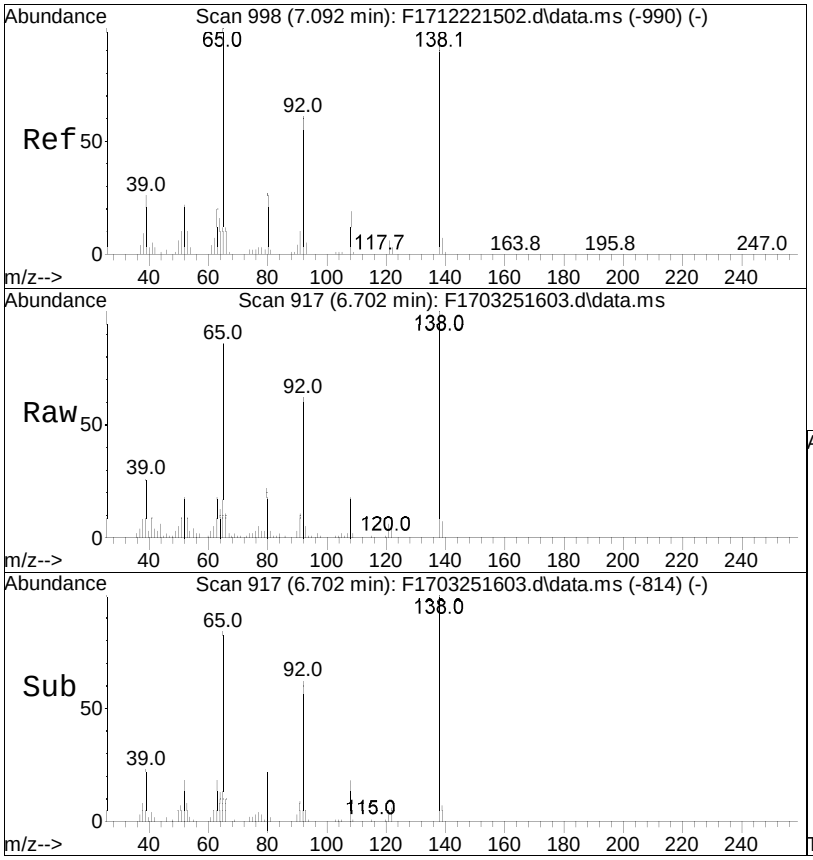


#45
2-Chloronaphthalene
Concen: 0.59 ug/mL
RT: 6.601 min Scan# 896
Delta R.T. 0.000 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:162 Resp: 116334

Ion	Ratio	Lower	Upper
162	100		
164	31.9	25.4	38.0
127	39.3	30.6	46.0

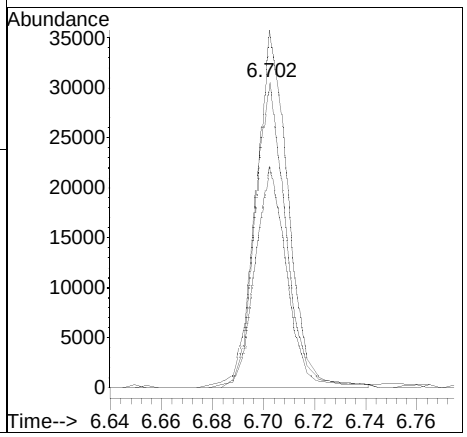


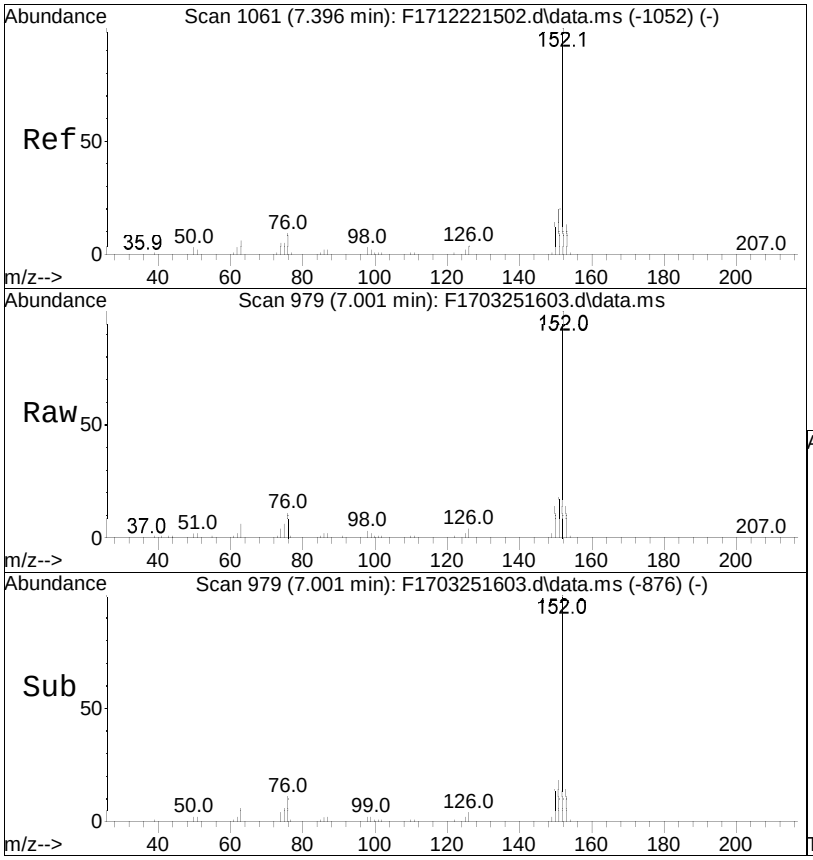


#46
2-Nitroaniline
Concen: 0.47 ug/mL
RT: 6.702 min Scan# 917
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion: 65 Resp: 26438

Ion	Ratio	Lower	Upper
65	100		
92	71.3	52.8	79.2
138	113.9	88.3	132.5

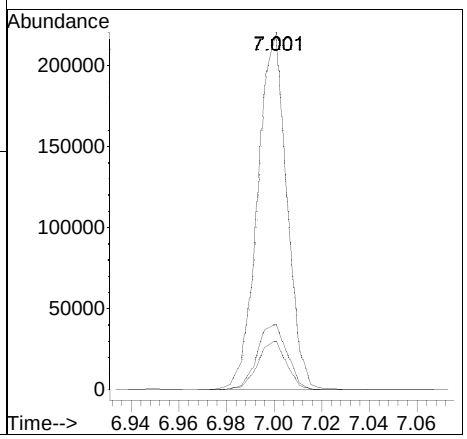


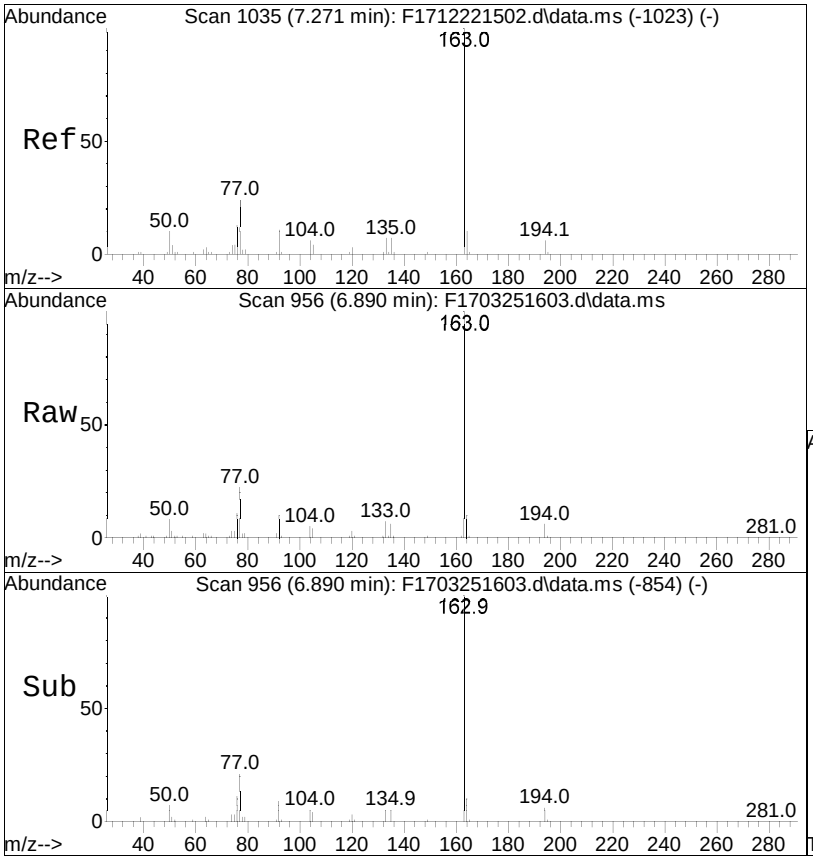


#47
Acenaphthylene
Concen: 0.59 ug/mL
RT: 7.001 min Scan# 979
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:152 Resp: 185797

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.8	23.8
153	13.7	11.1	16.7

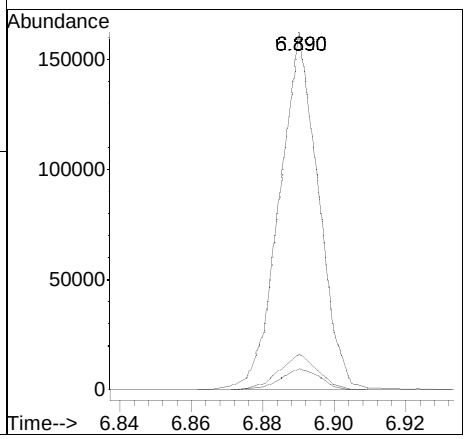


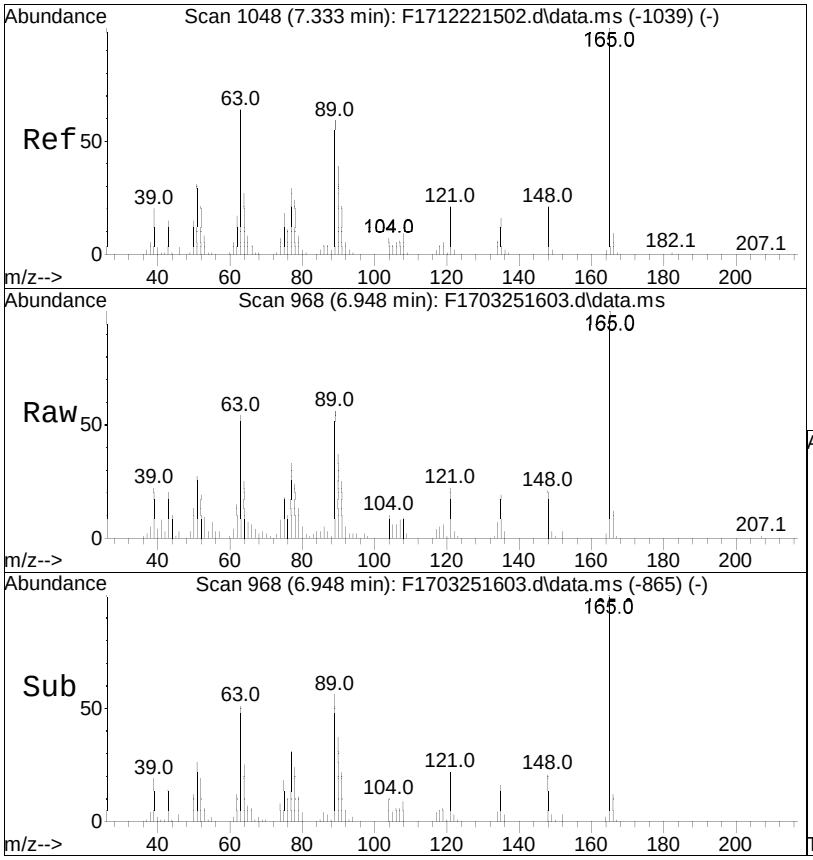


#48
Dimethylphthalate
Concen: 0.56 ug/mL
RT: 6.890 min Scan# 956
Delta R.T. -0.010 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:163 Resp: 121677

Ion	Ratio	Lower	Upper
163	100		
194	6.0	4.3	6.5
164	0.0	8.1	12.1#

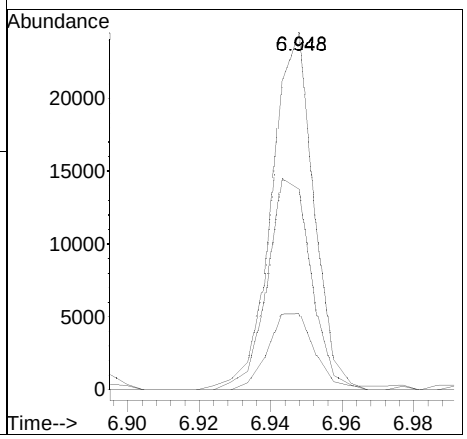


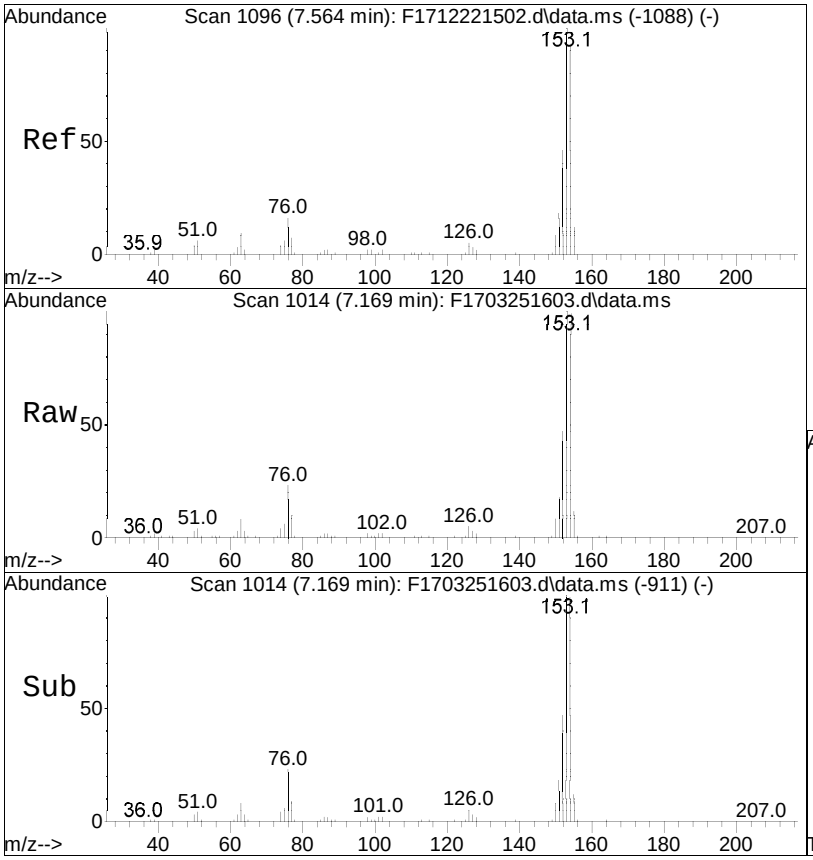


#49
2,6-Dinitrotoluene
Concen: 0.42 ug/mL
RT: 6.948 min Scan# 968
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:165 Resp: 19992

Ion	Ratio	Lower	Upper
165	100		
89	61.8	45.4	68.0
121	24.1	16.3	24.5

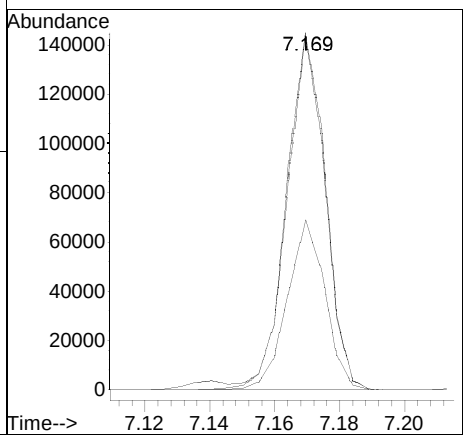


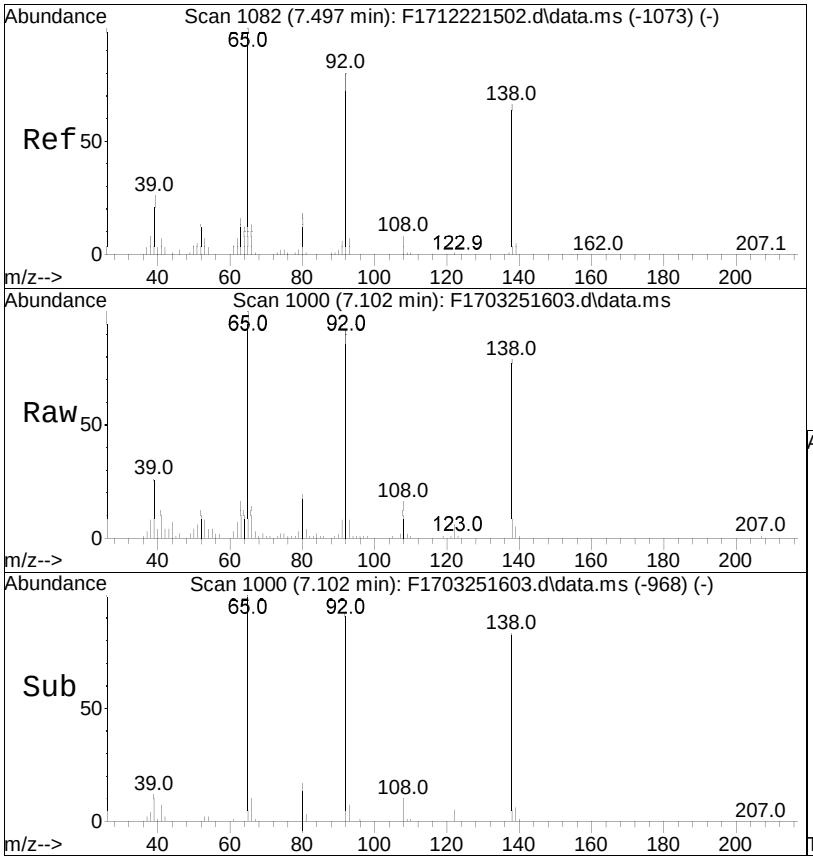


#50
Acenaphthene
Concen: 0.59 ug/mL
RT: 7.169 min Scan# 1014
Delta R.T. -0.006 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:153 Resp: 120232

Ion	Ratio	Lower	Upper
153	100		
154	97.0	76.1	114.1
152	46.4	35.4	53.2

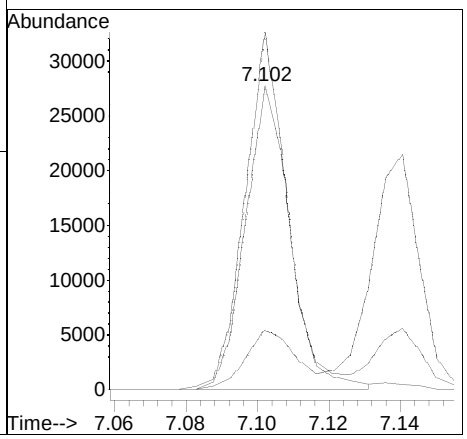


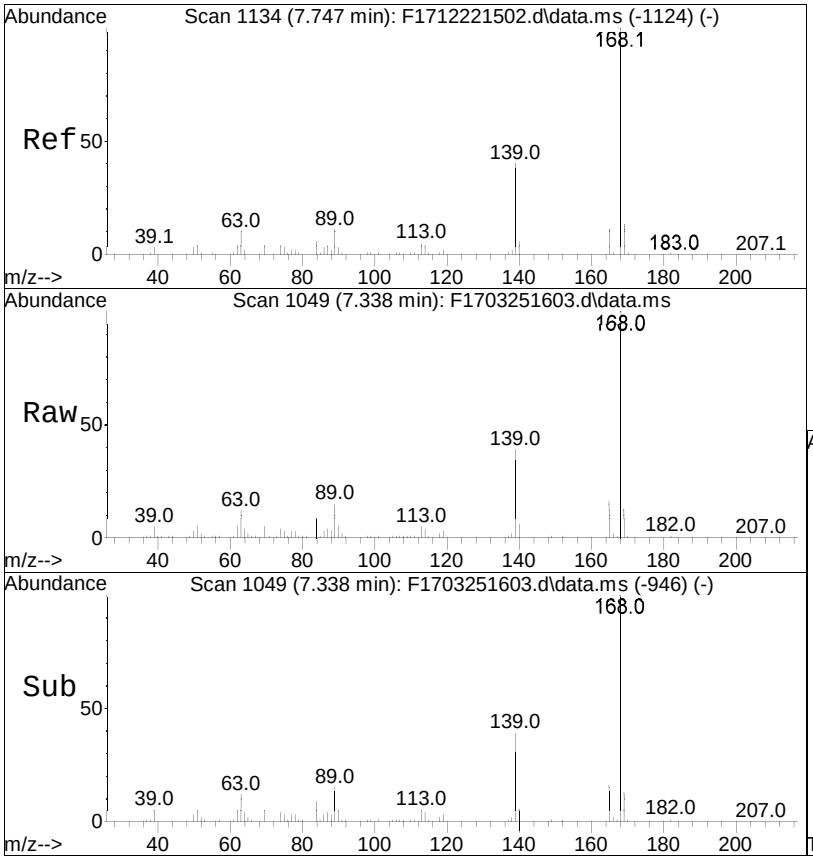


#51
3-Nitroaniline
Concen: 0.43 ug/mL
RT: 7.102 min Scan# 1000
Delta R.T. -0.010 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:138 Resp: 24060

Ion	Ratio	Lower	Upper
138	100		
108	22.6	8.8	13.2#
92	112.9	85.6	128.4

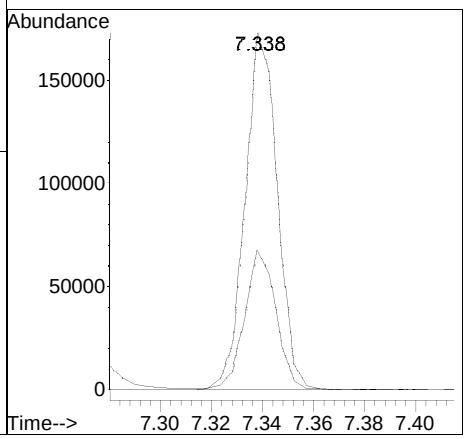


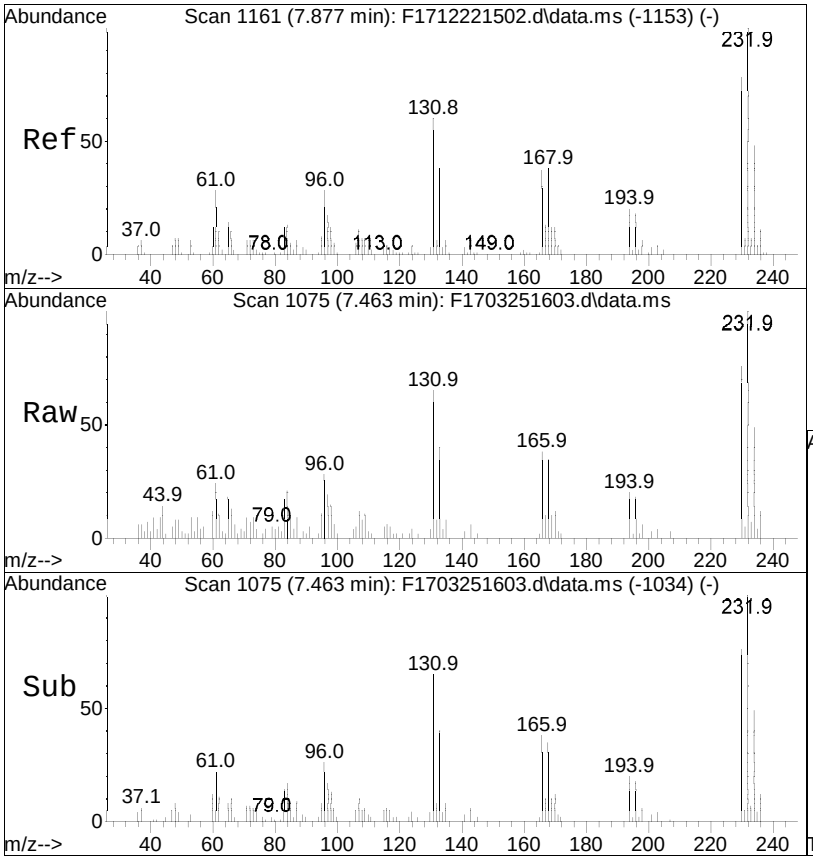


#53
Dibenzofuran
Concen: 0.61 ug/mL
RT: 7.338 min Scan# 1049
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:168 Resp: 150663

Ion	Ratio	Lower	Upper
168	100		
139	37.2	30.7	46.1

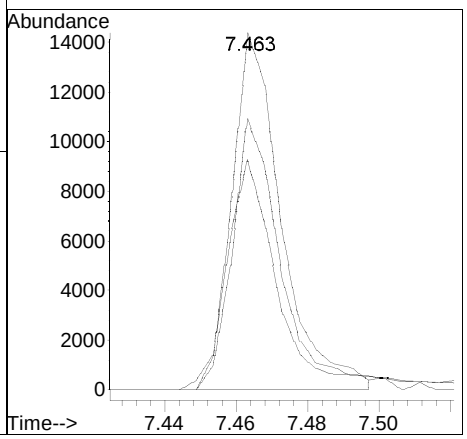


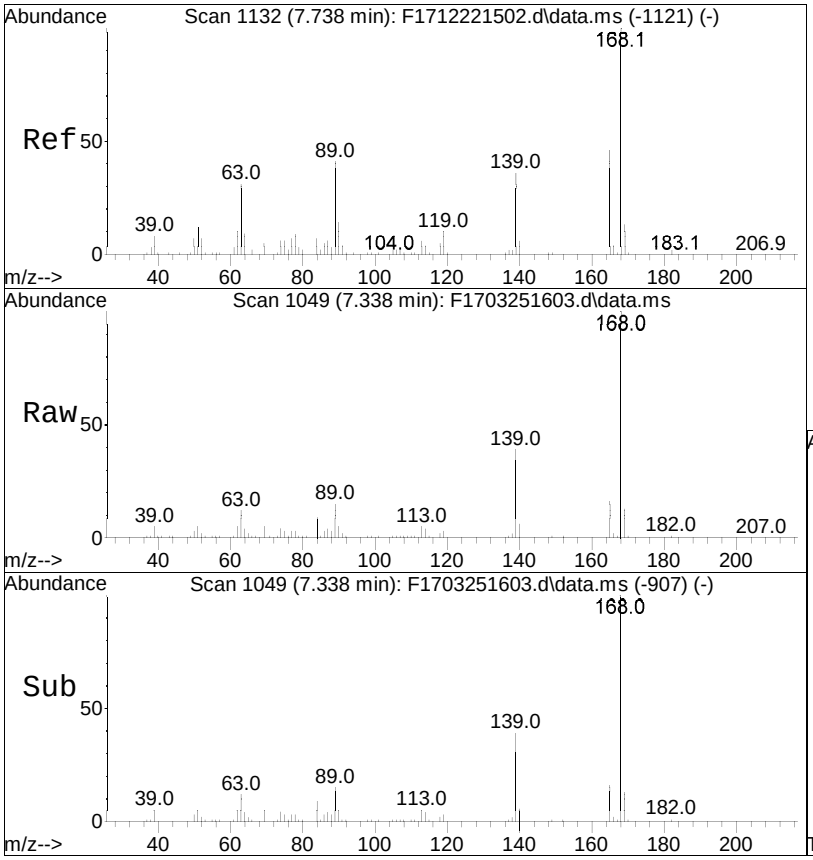


#54
2,3,4,6-Tetrachlorophenol
Concen: 0.40
RT: 7.463 min Scan# 1075
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:232 Resp: 13871

Ion	Ratio	Lower	Upper
232	100		
131	67.9	44.3	66.5#
230	74.9	63.1	94.7

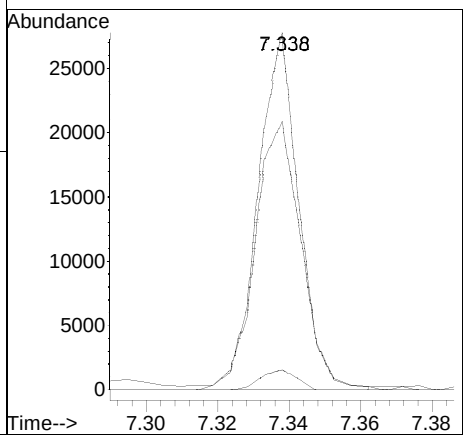


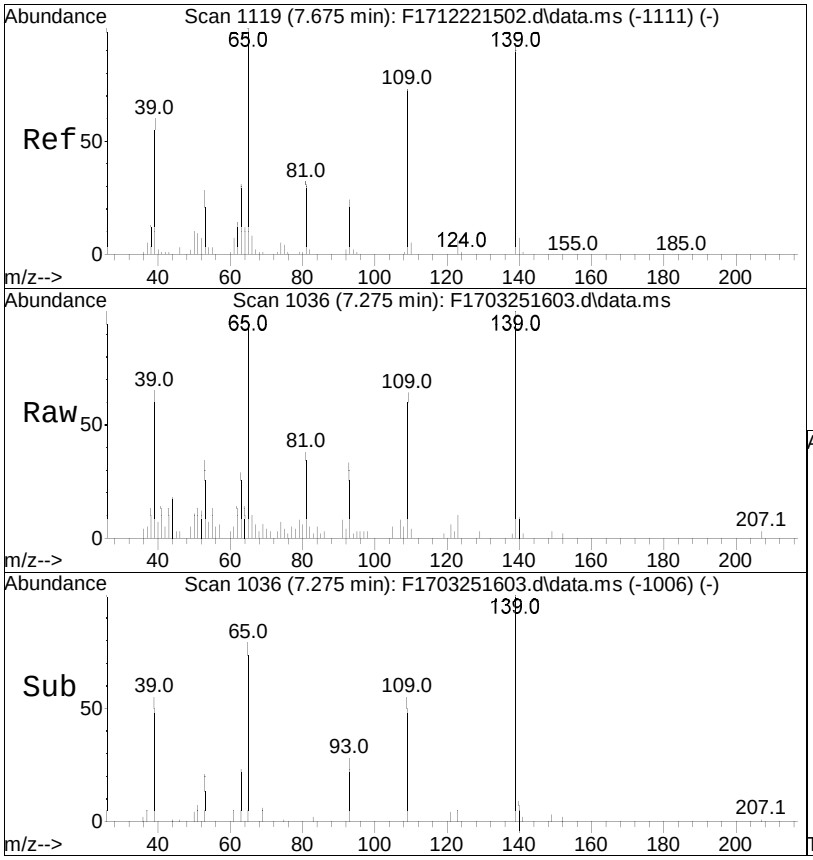


#55
2,4-Dinitrotoluene
Concen: 0.38 ug/mL
RT: 7.338 min Scan# 1049
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:165 Resp: 21874

Ion	Ratio	Lower	Upper
165	100		
63	84.9	58.3	87.5
182	5.1	3.2	4.8#

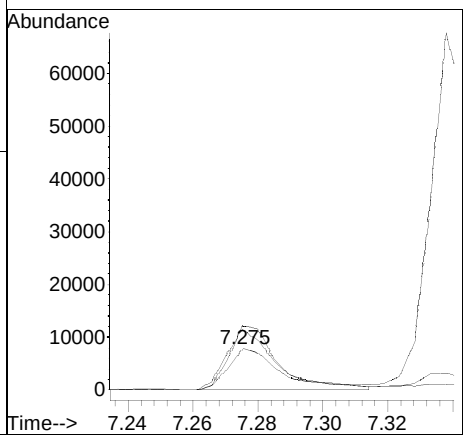


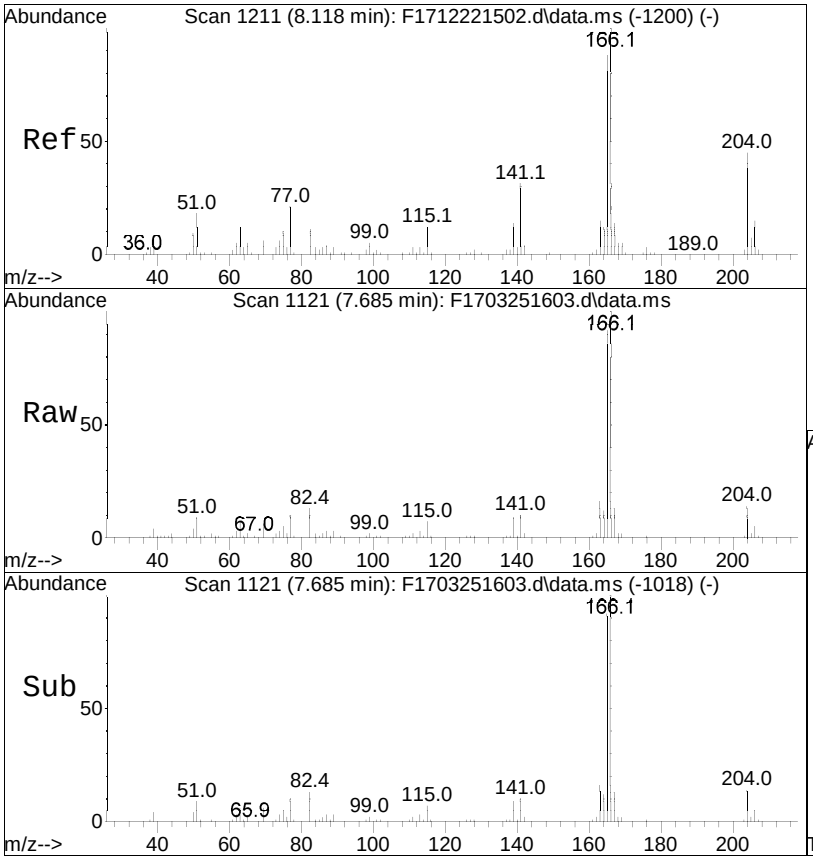


#56
4-Nitrophenol
Concen: 0.33 ug/mL
RT: 7.275 min Scan# 1036
Delta R.T. -0.010 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:109 Resp: 9090

Ion	Ratio	Lower	Upper
109	100		
139	143.6	122.1	183.1
65	141.6	110.8	166.2

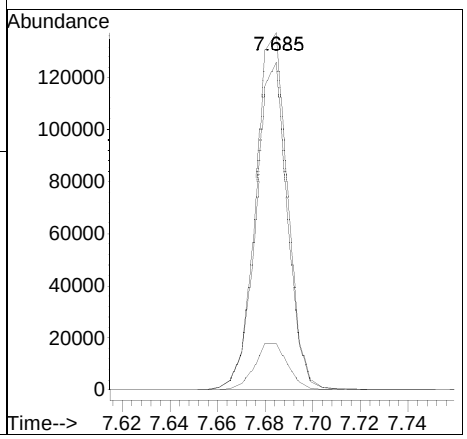


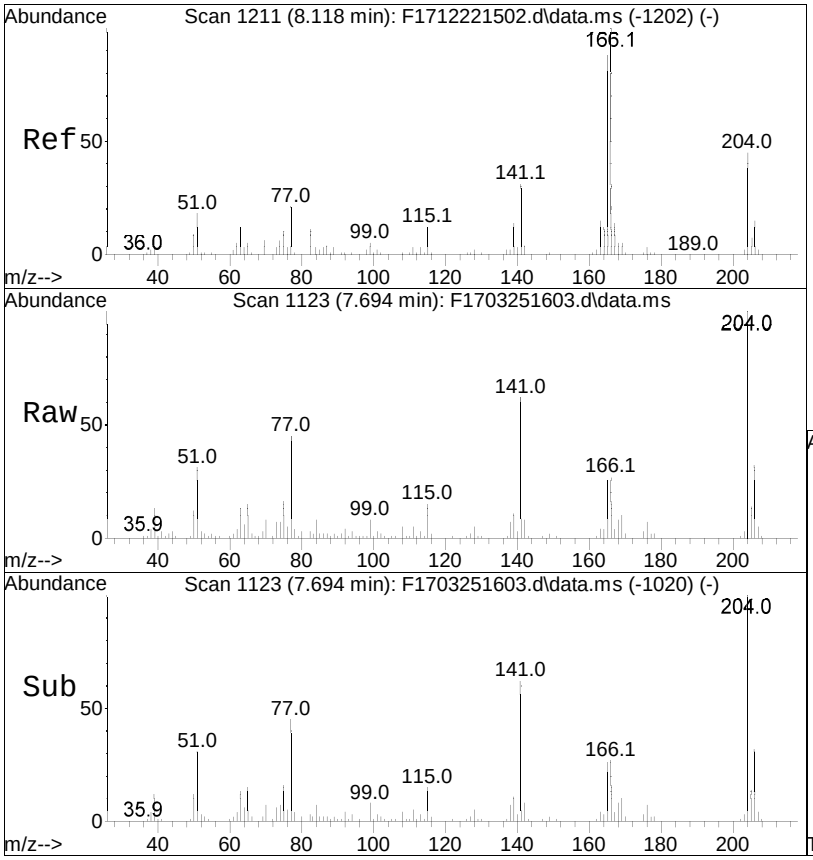


#57
Fluorene
Concen: 0.61 ug/mL
RT: 7.685 min Scan# 1121
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:166 Resp: 128355

Ion	Ratio	Lower	Upper
166	100		
165	89.8	74.4	111.6
167	13.6	10.8	16.2

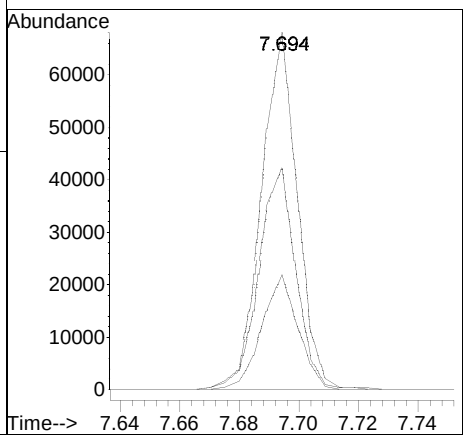


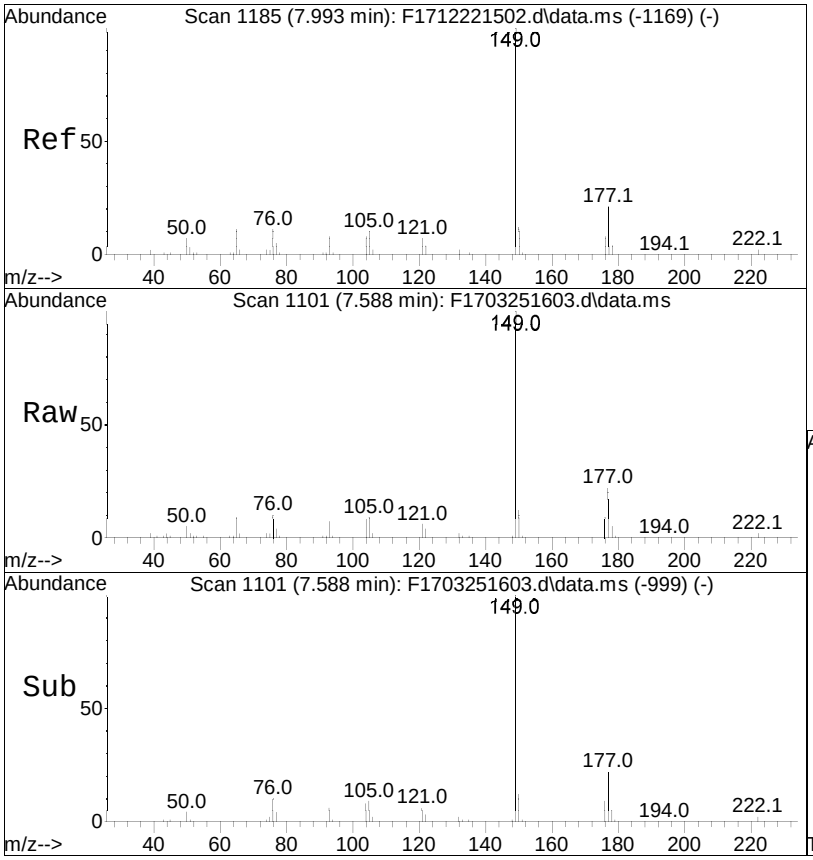


#58
4-Chlorophenyl-phenylether
Concen: 0.61 ug/mL
RT: 7.694 min Scan# 1123
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:204 Resp: 56819

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.9	38.9
141	63.9	50.7	76.1

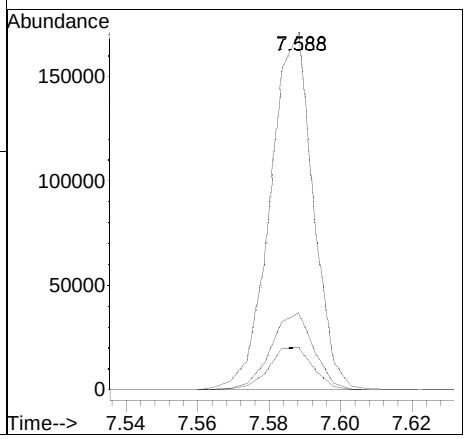


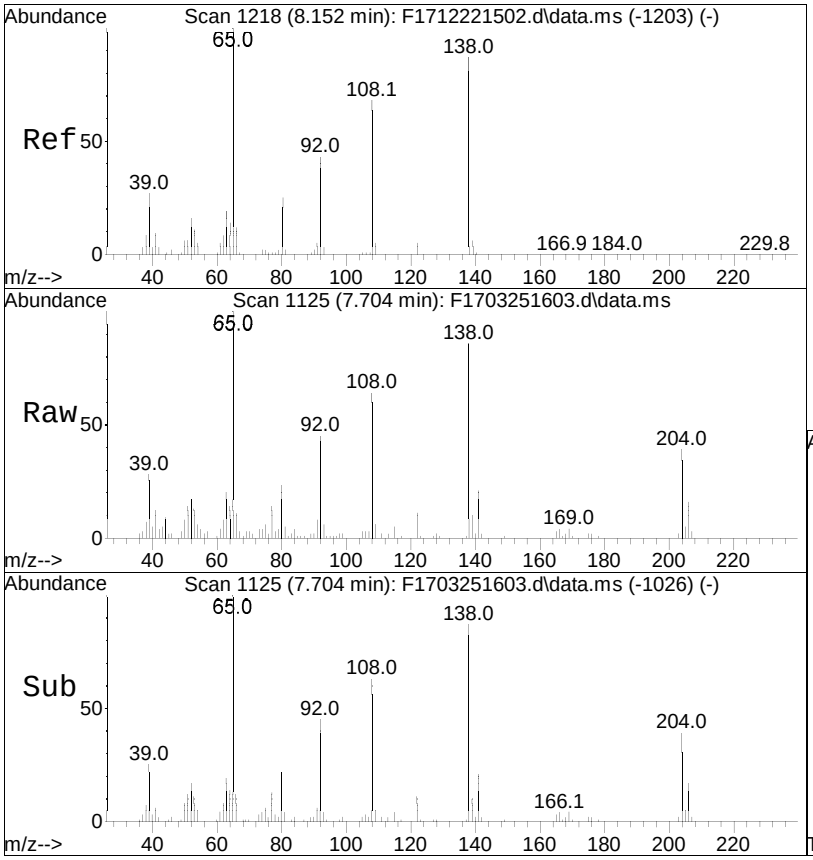


#59
Diethylphthalate
Concen: 0.63 ug/mL
RT: 7.588 min Scan# 1101
Delta R.T. -0.010 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:149 Resp: 141885

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.8	26.8
150	12.5	9.8	14.6

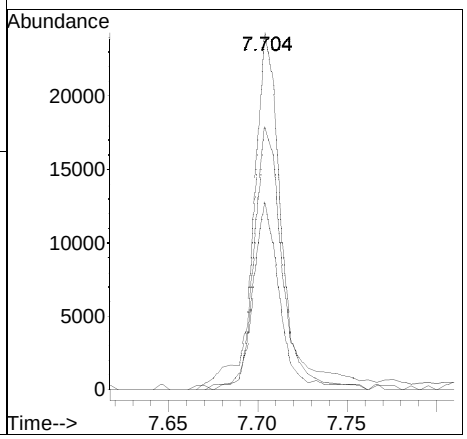


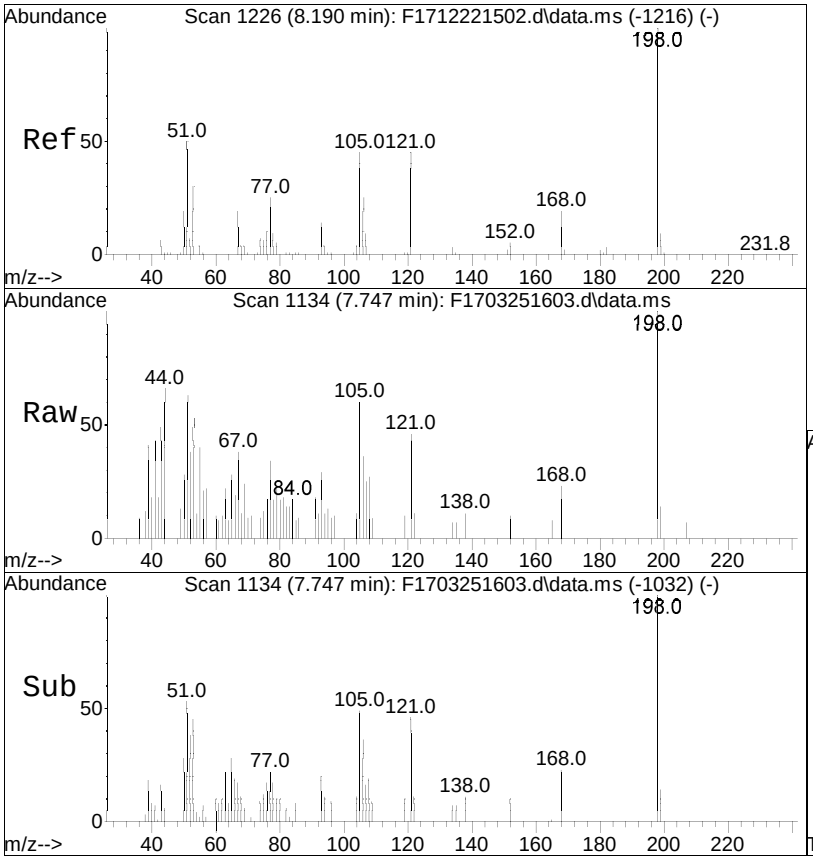


#60
4-Nitroaniline
Concen: 0.43 ug/mL M4
RT: 7.704 min Scan# 1125
Delta R.T. -0.019 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:138 Resp: 25893

Ion	Ratio	Lower	Upper
138	100		
92	45.8	35.0	52.4
108	72.7	55.8	83.6

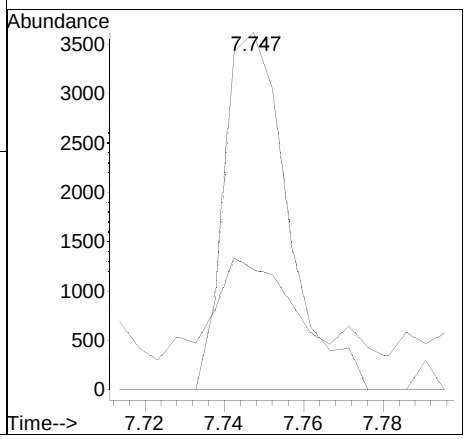


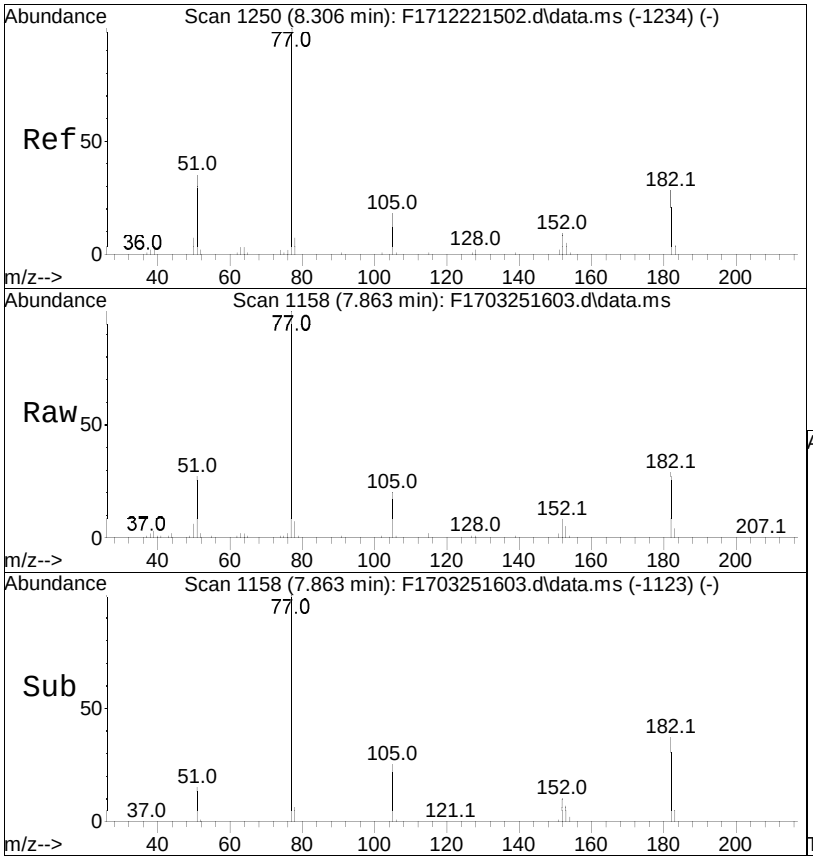


#62
4,6-Dinitro-2-methylphenol
Concen: 1.78 ug/mL
RT: 7.747 min Scan# 1134
Delta R.T. -0.010 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:198 Resp: 4028

Ion	Ratio	Lower	Upper
198	100		
182	0.0	0.0	0.0
77	0.0	0.0	0.0

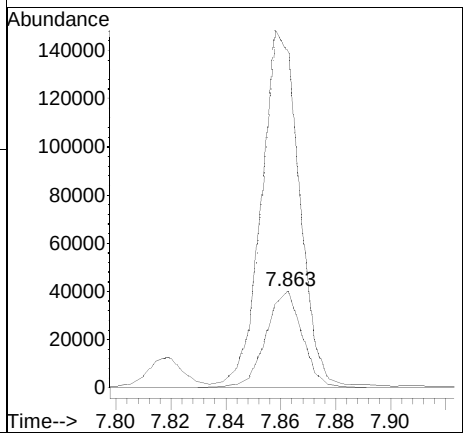


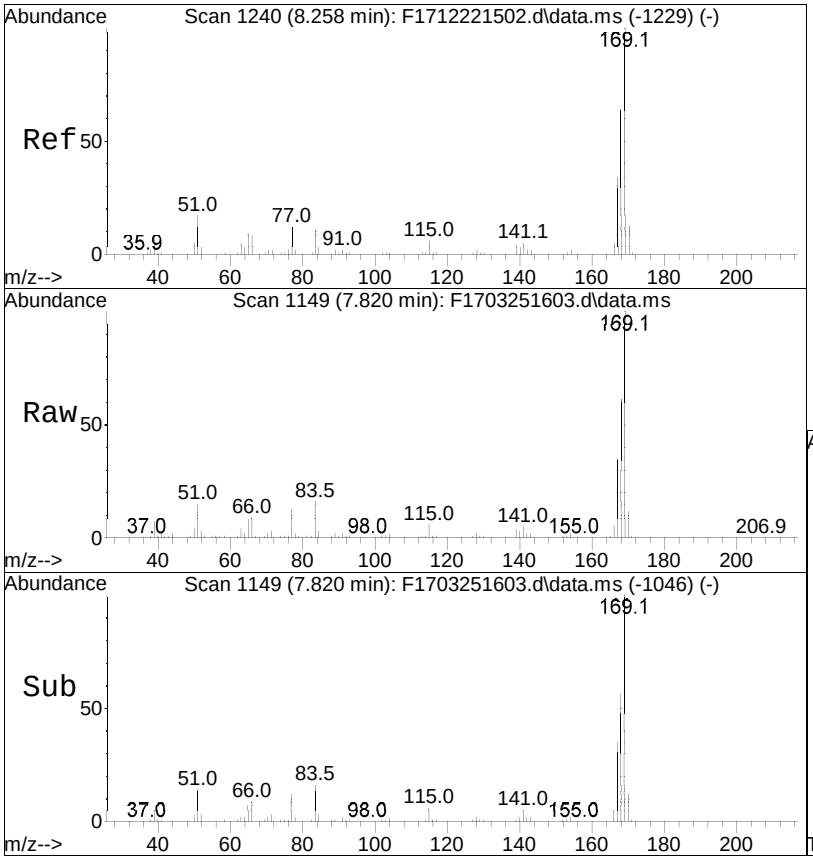


#63
Azobenzene
Concen: 0.56 ug/mL
RT: 7.863 min Scan# 1158
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:182 Resp: 36904

Ion	Ratio	Lower	Upper
182	100		
77	378.6	56.3	647.3

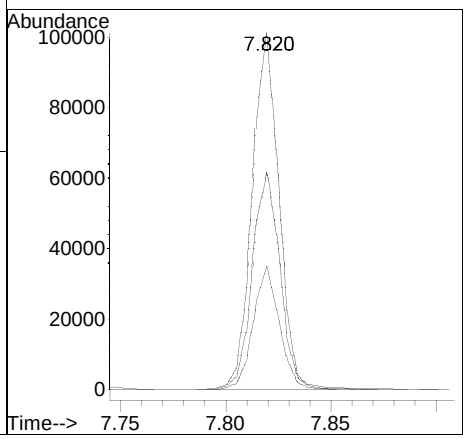


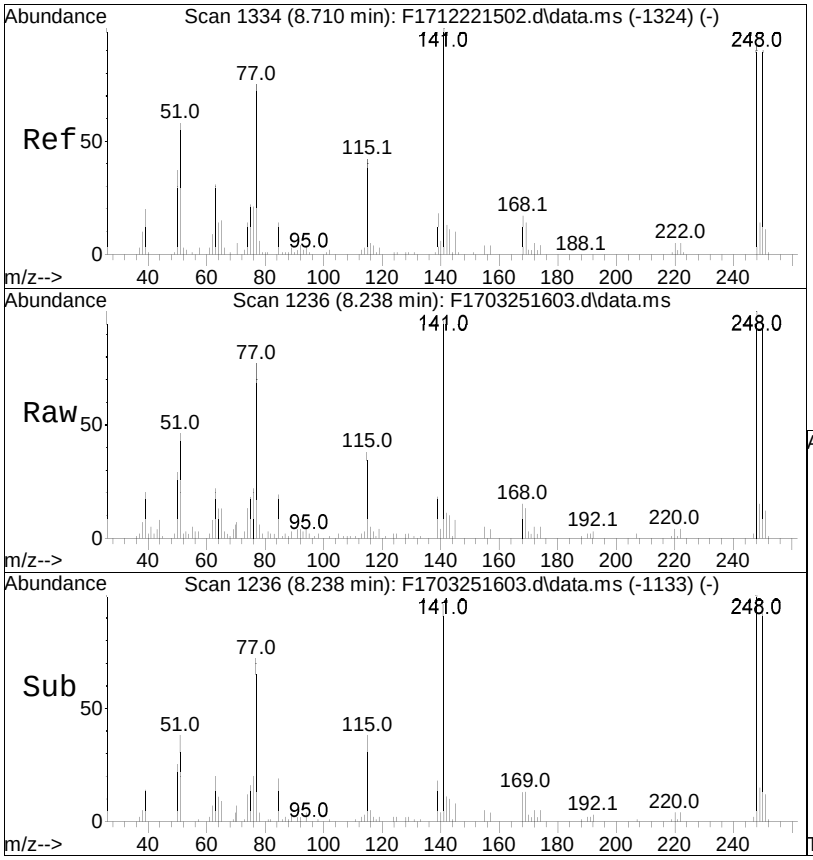


#64
n-Nitrosodiphenylamine
Concen: 0.57 ug/mL
RT: 7.820 min Scan# 1149
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:169 Resp: 89870

Ion	Ratio	Lower	Upper
169	100		
168	63.0	50.7	76.1
167	34.0	28.0	42.0

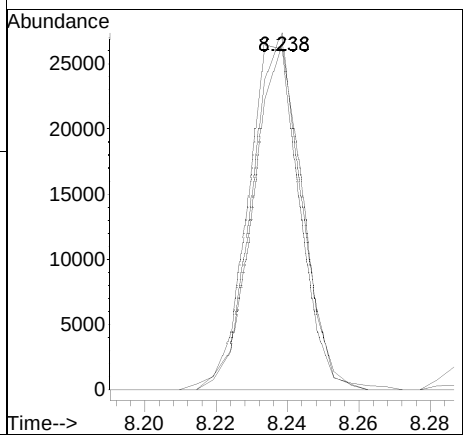


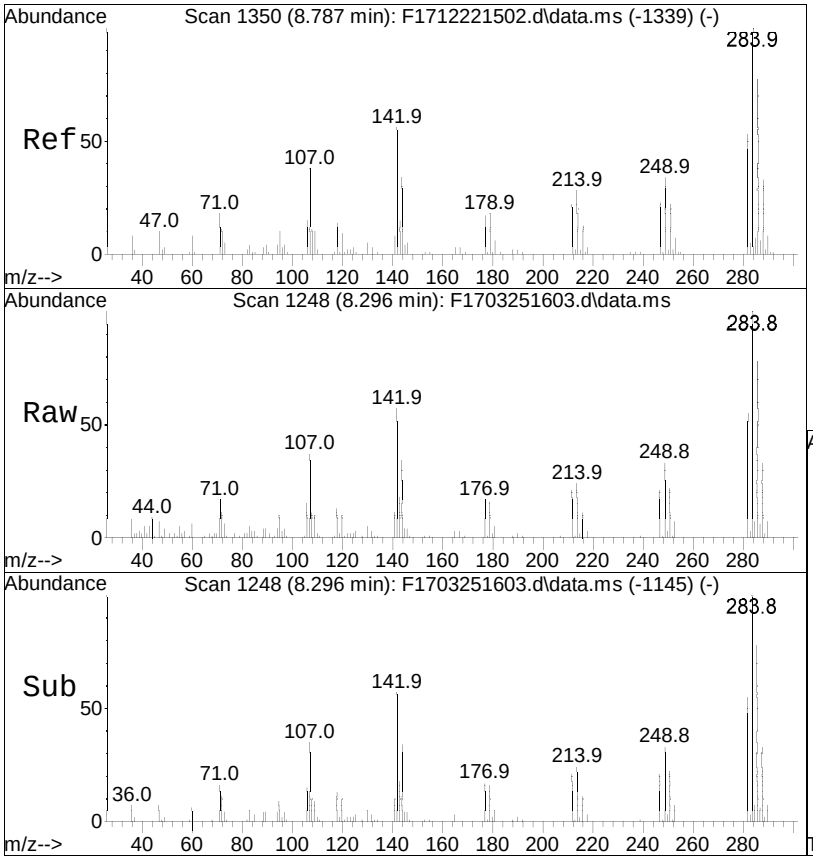


#66
4-Bromophenyl-phenylether
Concen: 0.54 ug/mL
RT: 8.238 min Scan# 1236
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:248 Resp: 26062

Ion	Ratio	Lower	Upper
248	100		
250	97.1	76.2	114.2
141	102.9	74.1	111.1

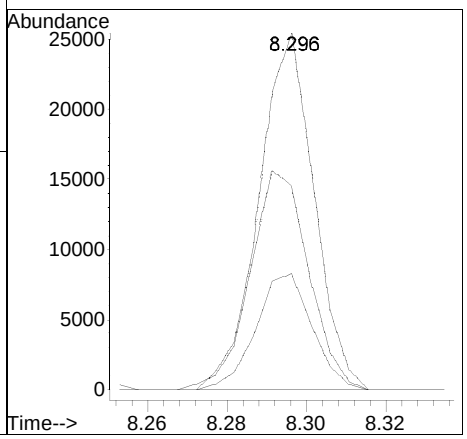


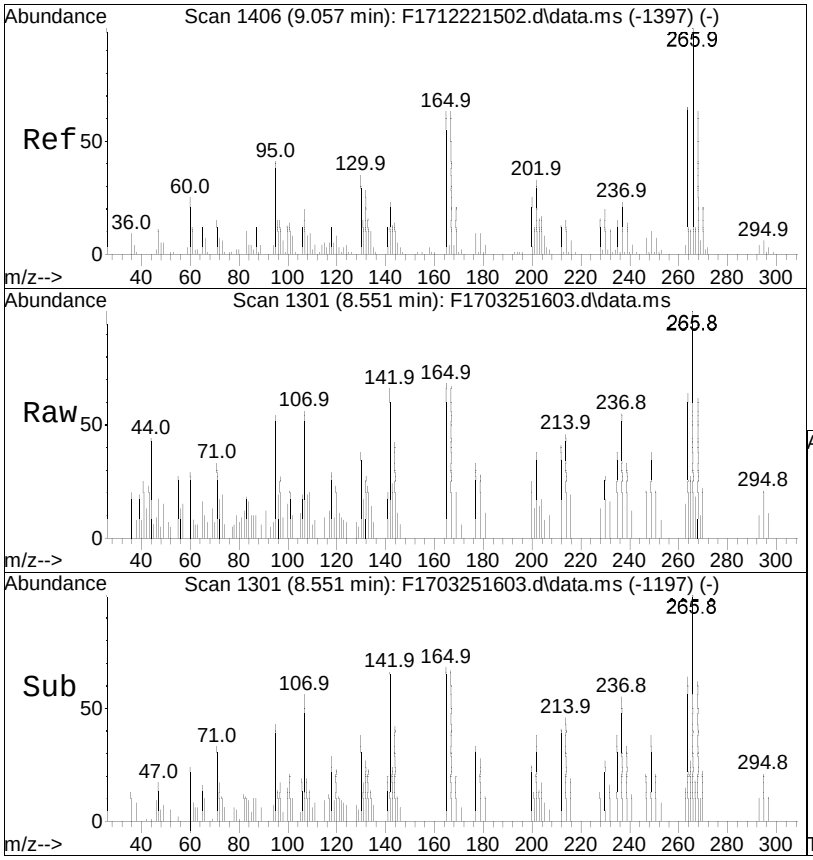


#67
Hexachlorobenzene
Concen: 0.53 ug/mL
RT: 8.296 min Scan# 1248
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:284 Resp: 24514

Ion	Ratio	Lower	Upper
284	100		
142	65.2	41.2	61.8#
249	33.4	25.4	38.0

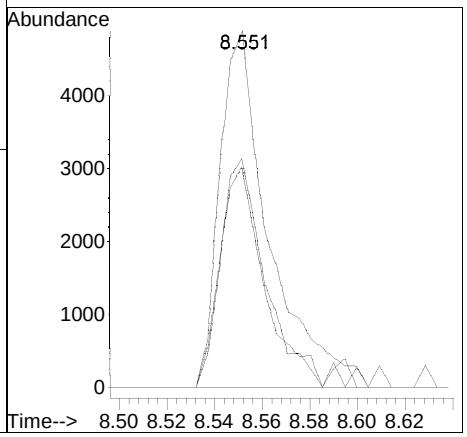


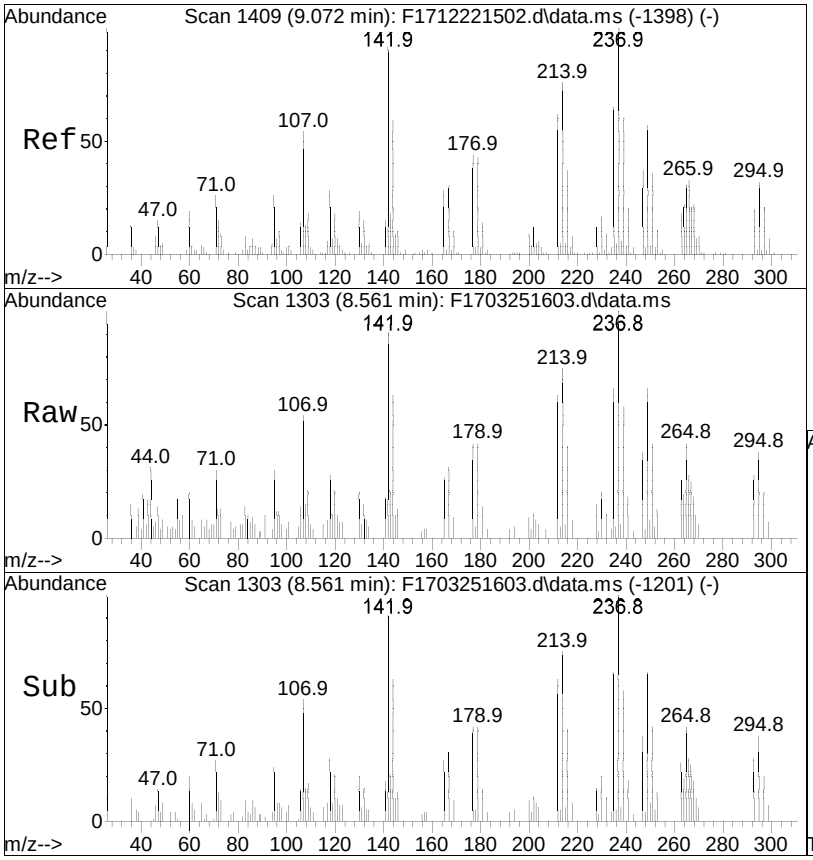


#69
Pentachlorophenol
Concen: 0.98 ug/mL
RT: 8.551 min Scan# 1301
Delta R.T. -0.001 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:266 Resp: 7015

Ion	Ratio	Lower	Upper
266	100		
264	57.7	50.2	75.4
268	56.4	49.4	74.0

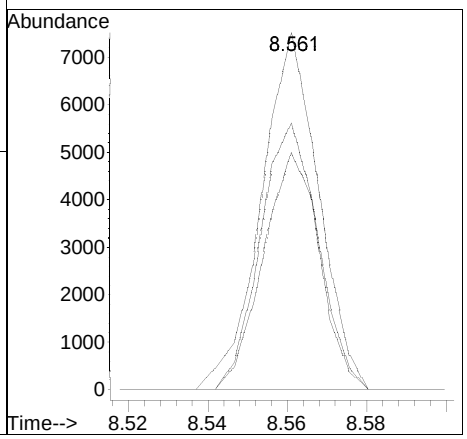


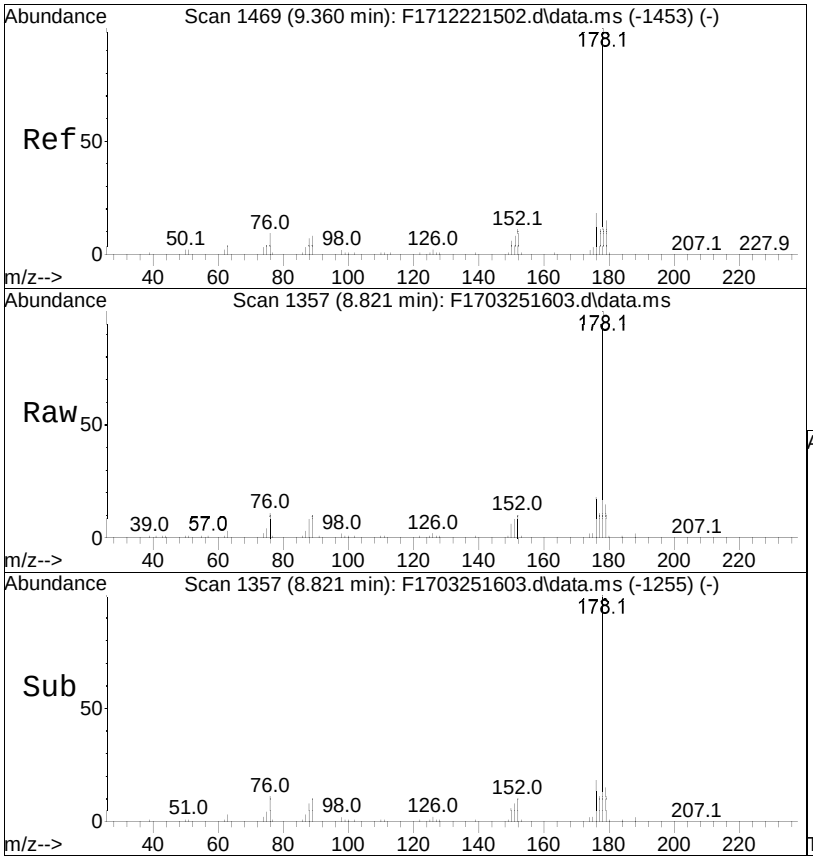


#70
Pentachloronitrobenzene
Concen: 0.41 ug/ml
RT: 8.561 min Scan# 1303
Delta R.T. -0.010 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:237 Resp: 7542

Ion	Ratio	Lower	Upper
237	100		
214	74.9	59.4	89.2
249	65.2	46.4	69.6

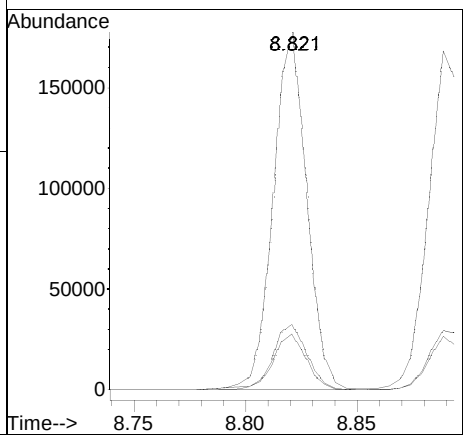


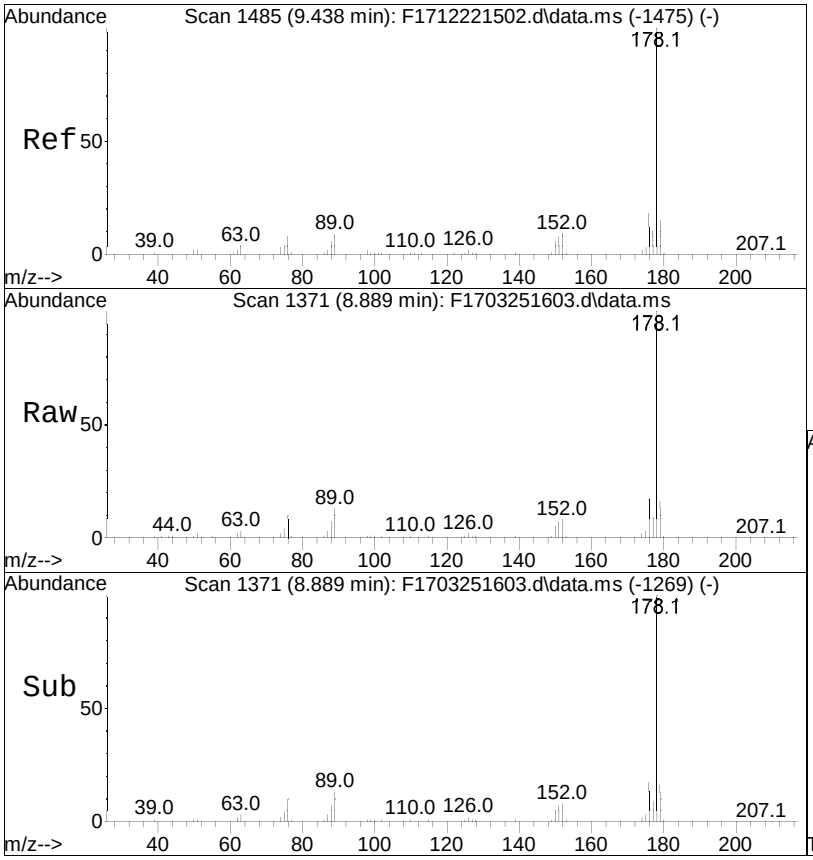


#71
Phenanthrene
Concen: 0.59 ug/mL
RT: 8.821 min Scan# 1357
Delta R.T. -0.010 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:178 Resp: 185357

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.2	18.2
176	18.5	15.1	22.7

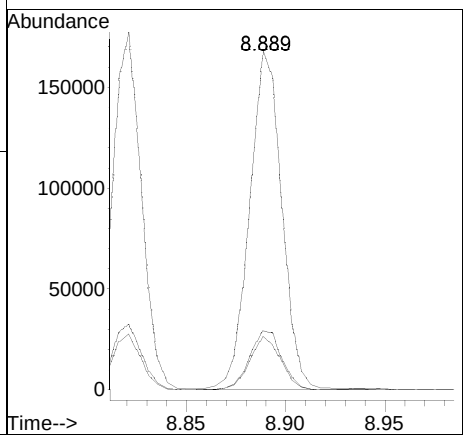


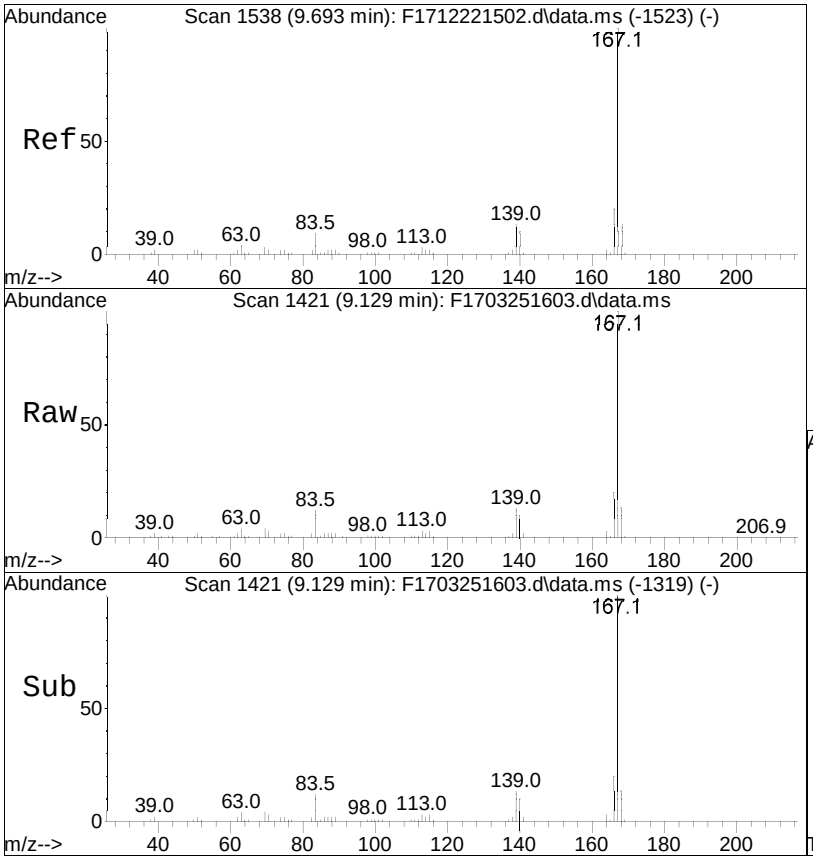


#72
Anthracene
Concen: 0.59 ug/mL M4
RT: 8.889 min Scan# 1371
Delta R.T. -0.009 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:178 Resp: 189874

Ion	Ratio	Lower	Upper
178	100		
179	15.2	11.8	17.6
176	17.5	14.2	21.4

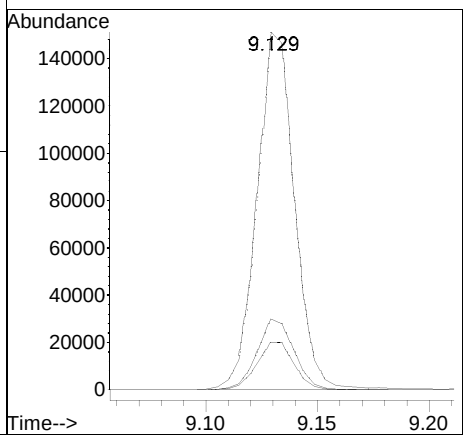


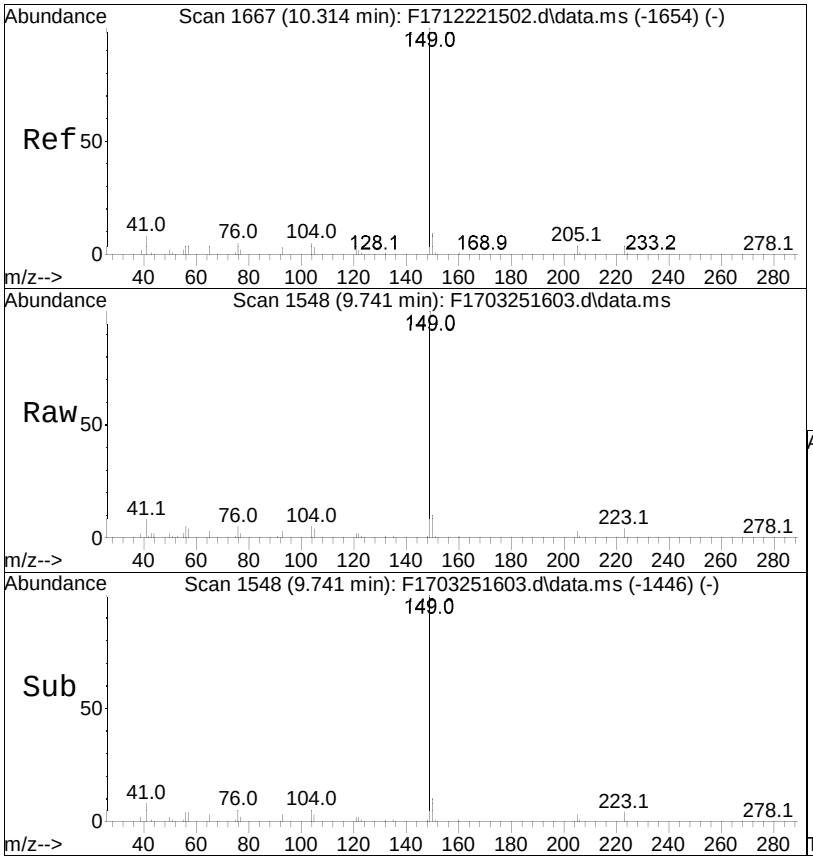


#73
Carbazole
Concen: 0.57 ug/mL
RT: 9.129 min Scan# 1421
Delta R.T. -0.010 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:167 Resp: 174766

Ion	Ratio	Lower	Upper
167	100		
139	13.4	10.2	15.2
166	19.8	16.1	24.1

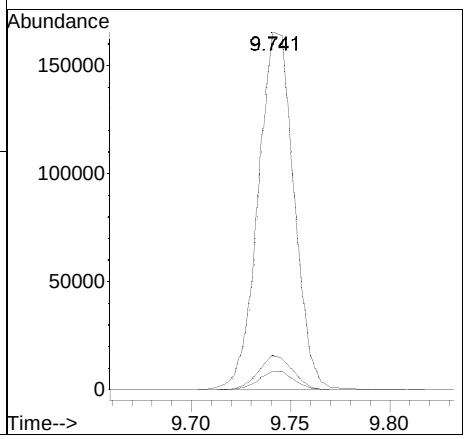


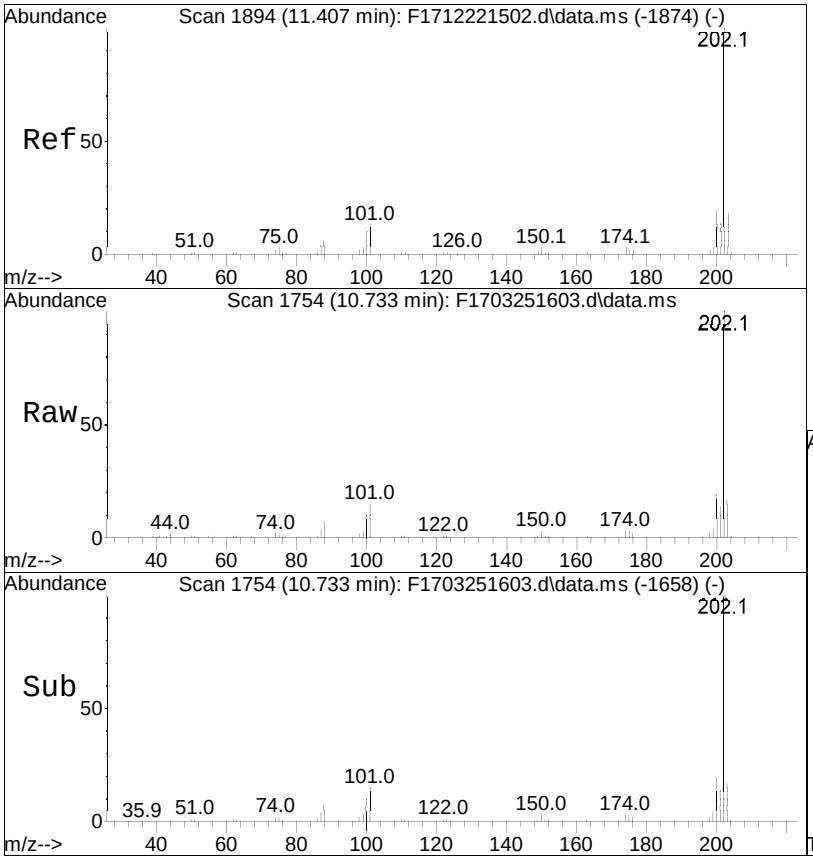


#74
Di-n-butylphthalate
Concen: 0.57 ug/mL
RT: 9.741 min Scan# 1548
Delta R.T. -0.010 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:149 Resp: 205545

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.0	10.4
104	5.2	3.9	5.9

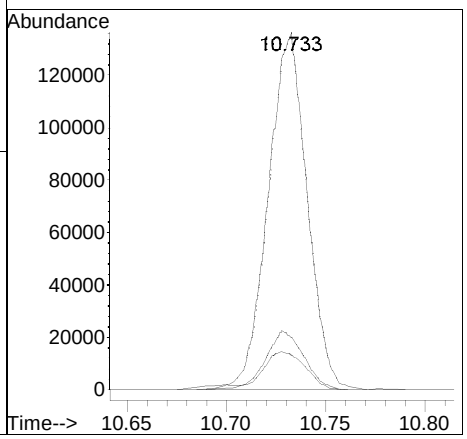


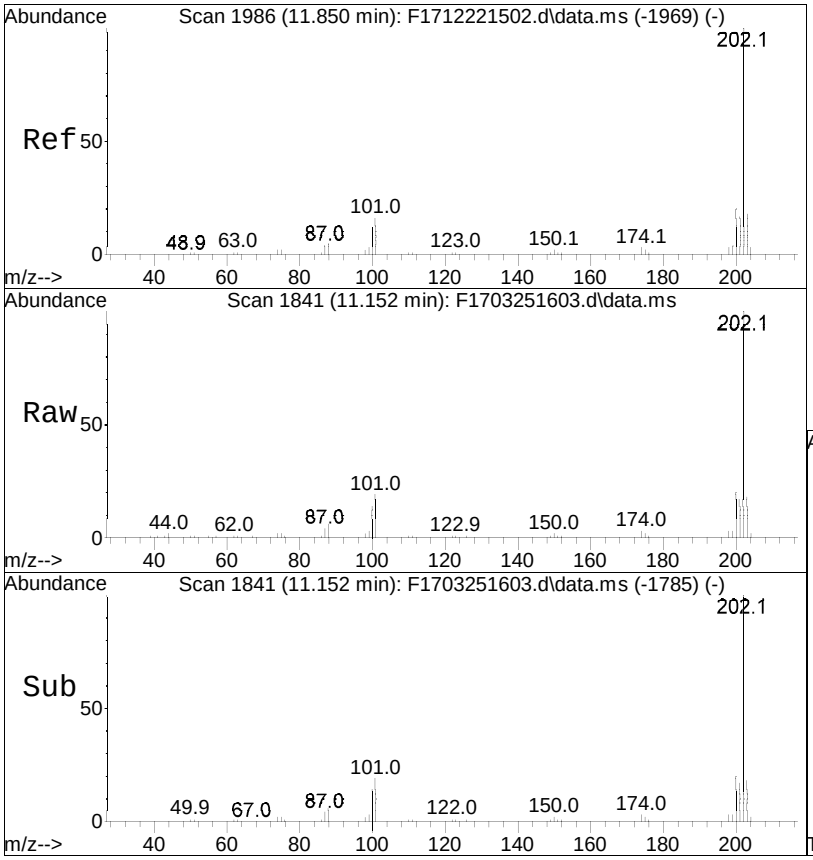


#75
Fluoranthene
Concen: 0.57 ug/mL
RT: 10.733 min Scan# 1754
Delta R.T. -0.014 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:202 Resp: 183961

Ion	Ratio	Lower	Upper
202	100		
101	16.4	10.4	15.6#
100	11.6	8.6	13.0

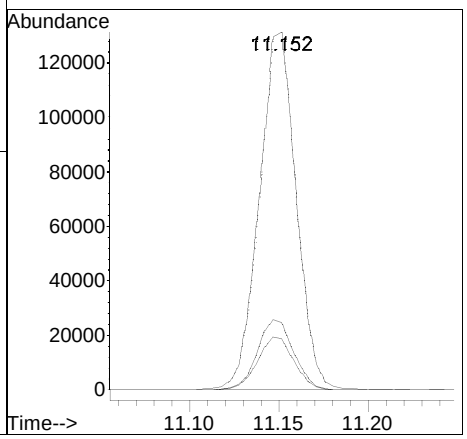


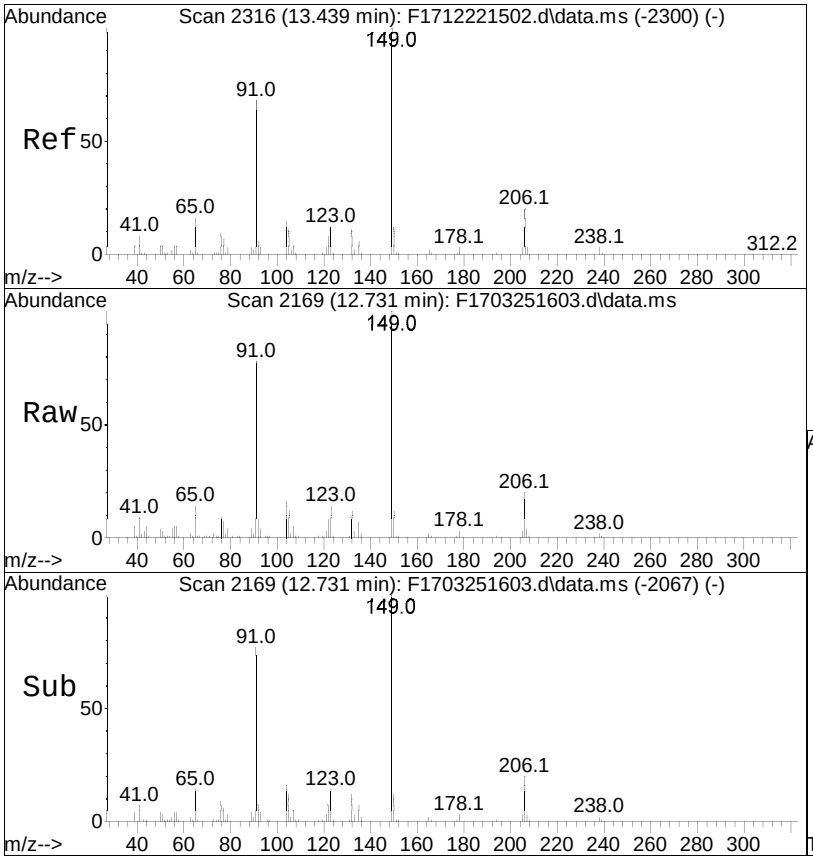


#78
Pyrene
Concen: 0.54 ug/mL
RT: 11.152 min Scan# 1841
Delta R.T. -0.010 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:202 Resp: 186588

Ion	Ratio	Lower	Upper
202	100		
101	19.4	12.1	18.1#
100	14.7	9.3	13.9#

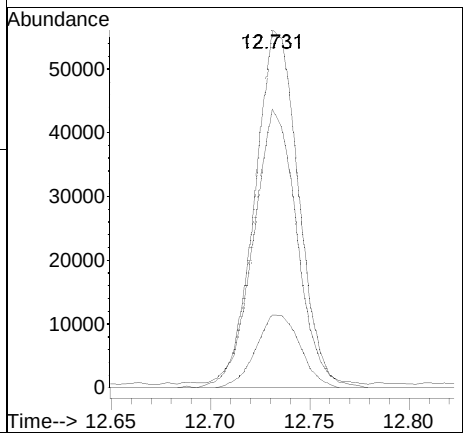


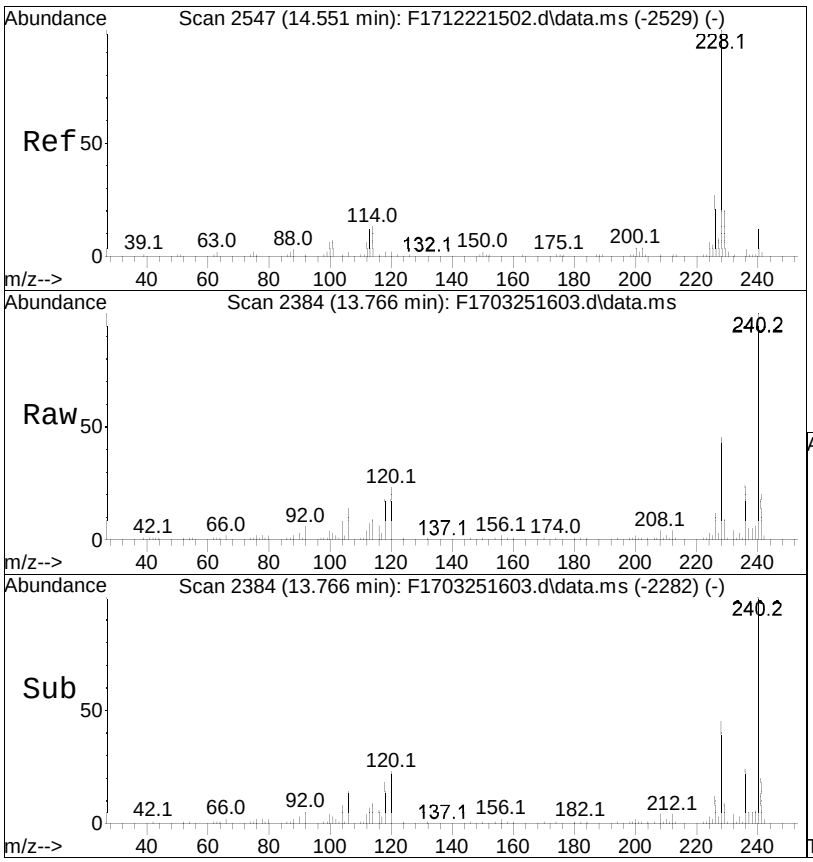


#80
Butylbenzylphthalate
Concen: 0.50 ug/mL
RT: 12.731 min Scan# 2169
Delta R.T. -0.010 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:149 Resp: 85383

Ion	Ratio	Lower	Upper
149	100		
91	75.4	58.2	87.4
206	20.7	17.7	26.5

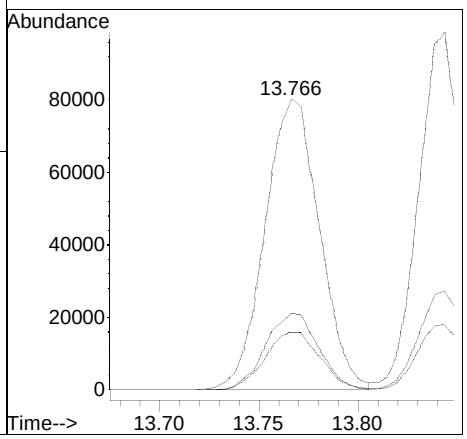


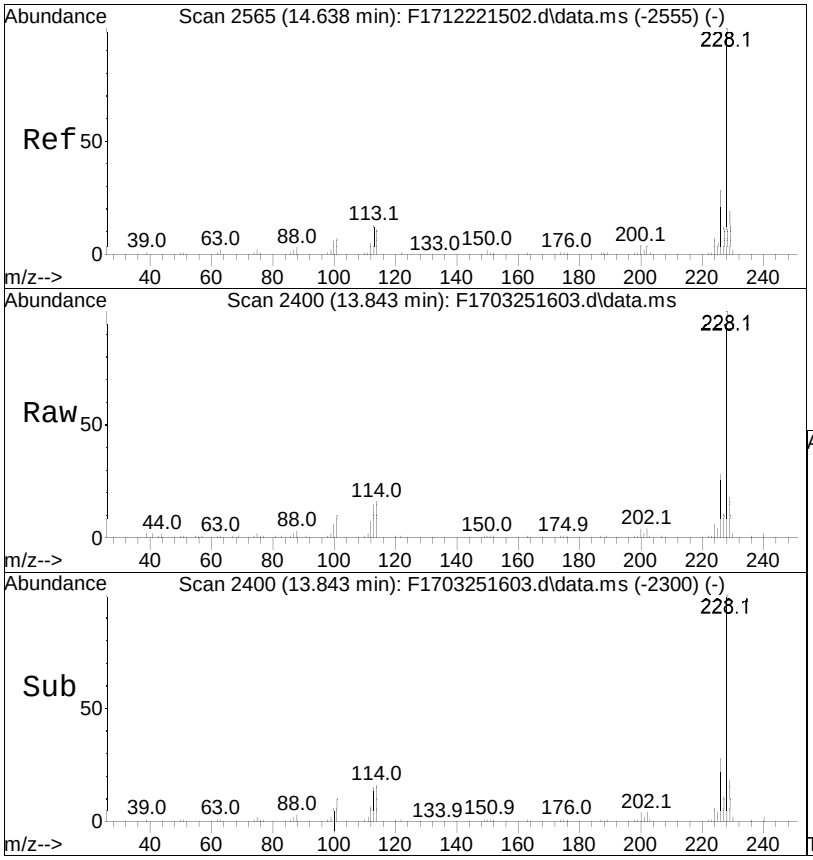


#82
Benz[a]anthracene
Concen: 0.53 ug/mL
RT: 13.766 min Scan# 2384
Delta R.T. -0.010 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:228 Resp: 152814

Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.5	23.3
226	25.8	21.0	31.6

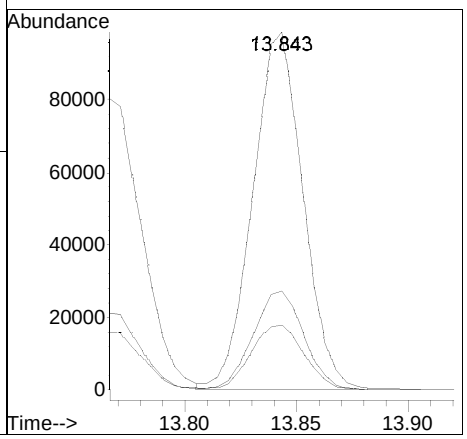


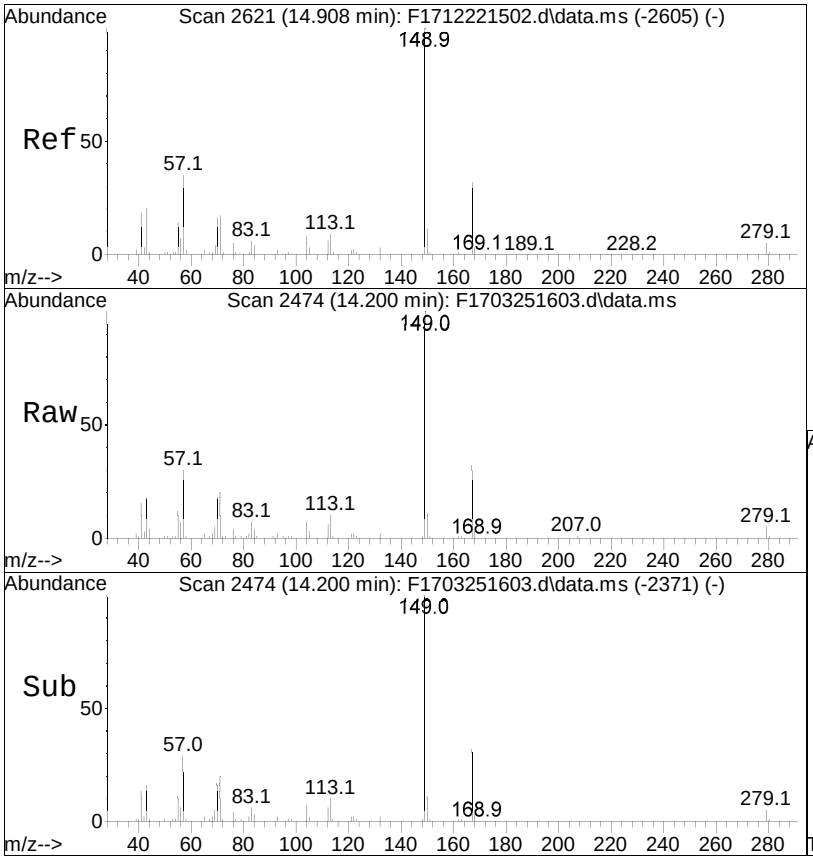


#83
Chrysene
Concen: 0.55 ug/mL M4
RT: 13.843 min Scan# 2400
Delta R.T. -0.020 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:228 Resp: 154043

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.9	34.3
229	19.2	15.3	22.9

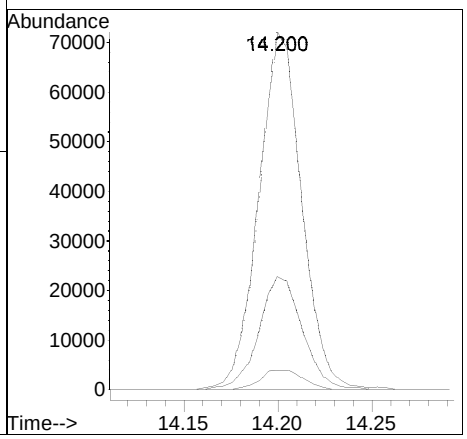


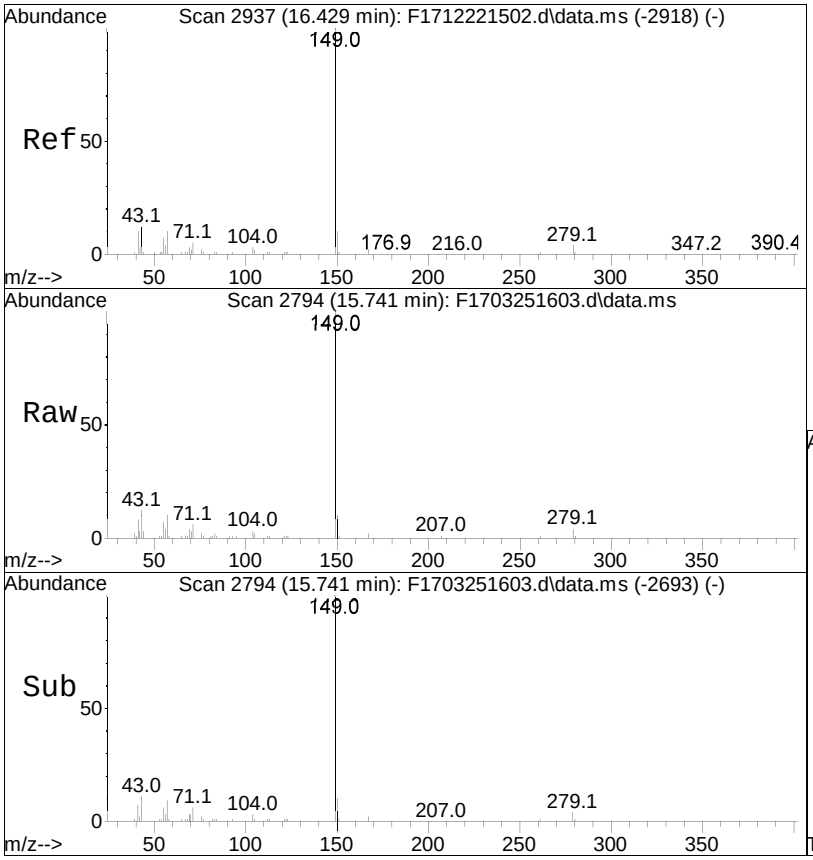


#84
bis(2-Ethylhexyl)phthalate
Concen: 0.50 ug/mL
RT: 14.200 min Scan# 2474
Delta R.T. -0.005 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:149 Resp: 113297

Ion	Ratio	Lower	Upper
149	100		
167	32.2	24.3	36.5
279	5.3	4.2	6.2

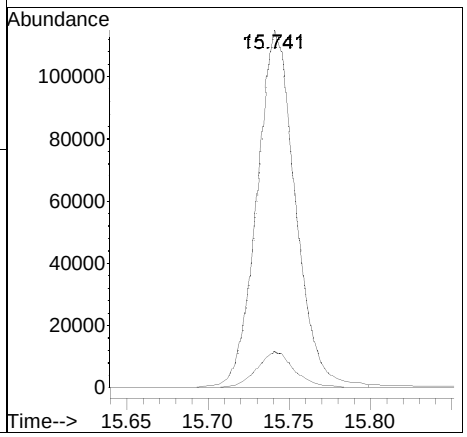


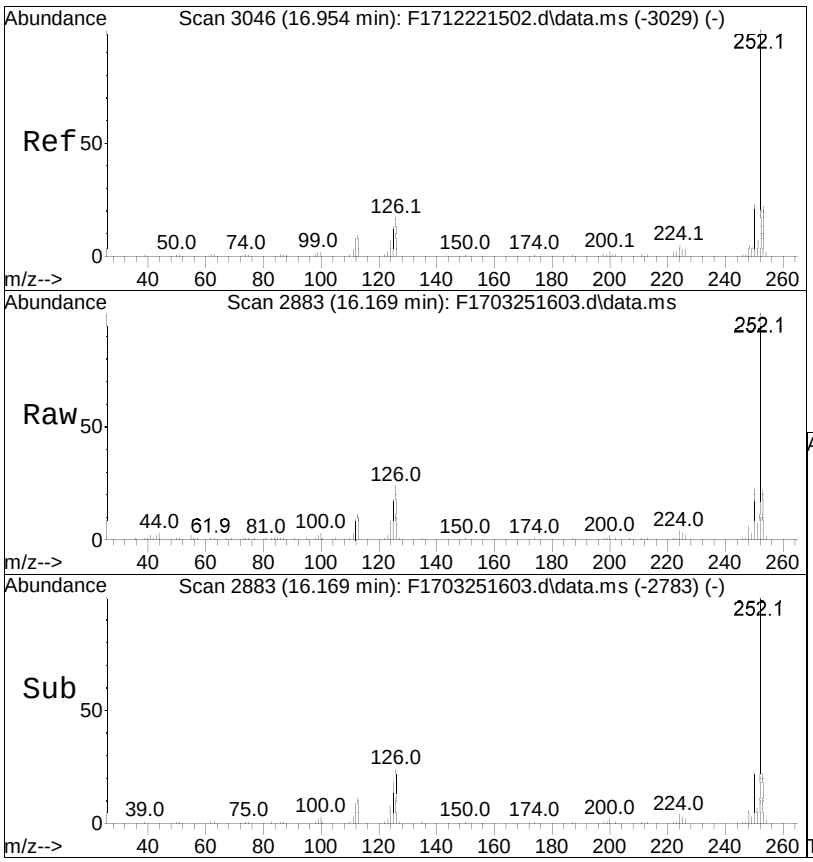


#86
Di-n-octylphthalate
Concen: 0.49 ug/mL
RT: 15.741 min Scan# 2794
Delta R.T. -0.010 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:149 Resp: 187306

Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.8	11.6

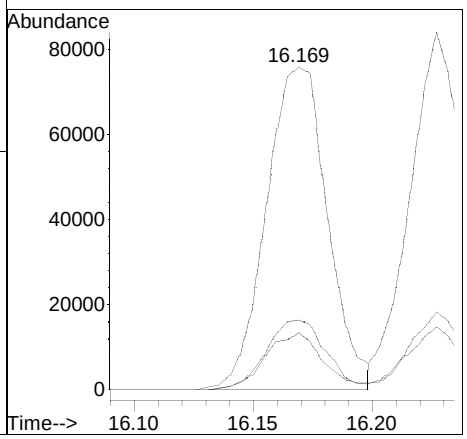


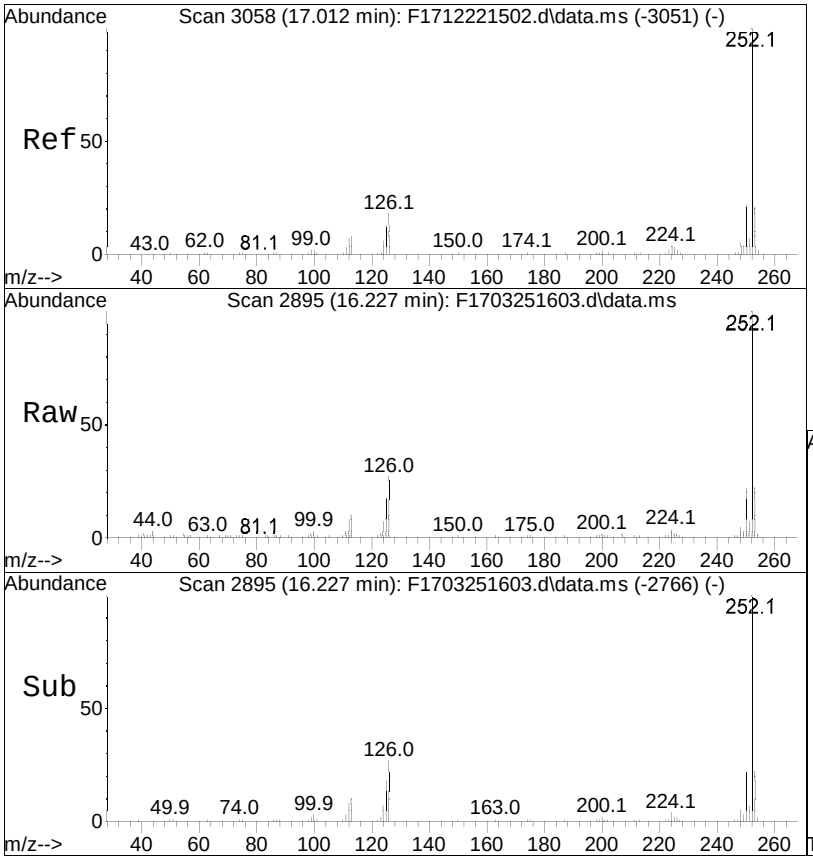


#87
Benzo[b]fluoranthene
Concen: 0.51 ug/mL
RT: 16.169 min Scan# 2883
Delta R.T. -0.020 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:252 Resp: 135513

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.2	25.8
125	16.9	10.7	16.1#

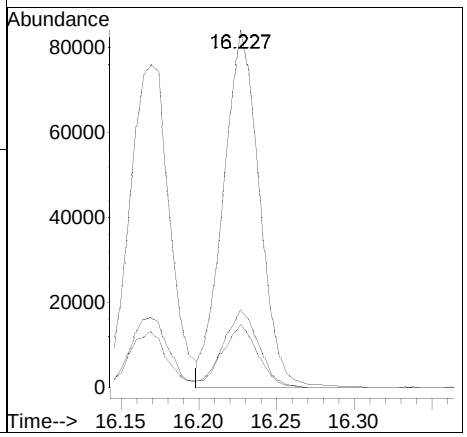


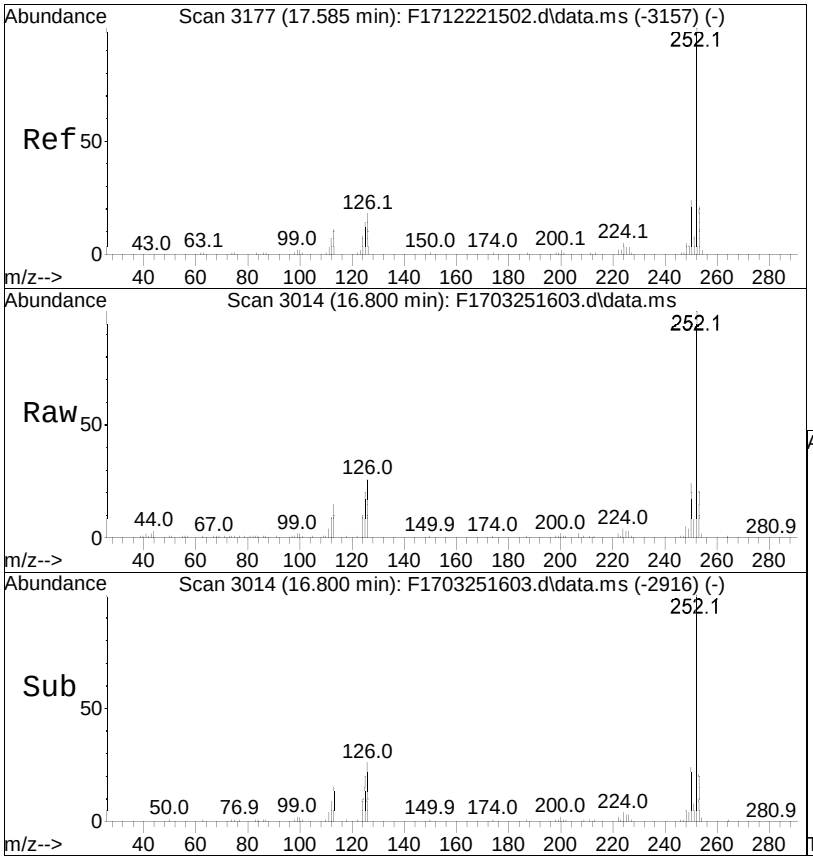


#88
Benzo[k]fluoranthene
Concen: 0.55 ug/mL
RT: 16.227 min Scan# 2895
Delta R.T. -0.029 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:252 Resp: 136810

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.2	25.8
125	17.3	10.4	15.6#

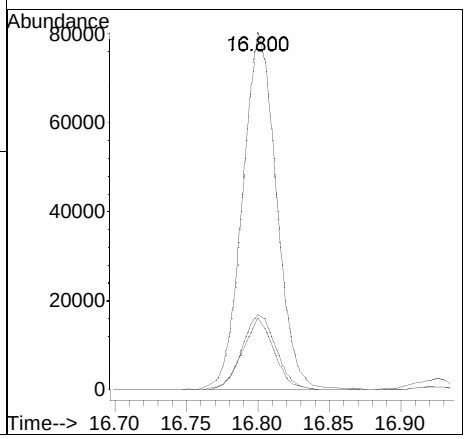


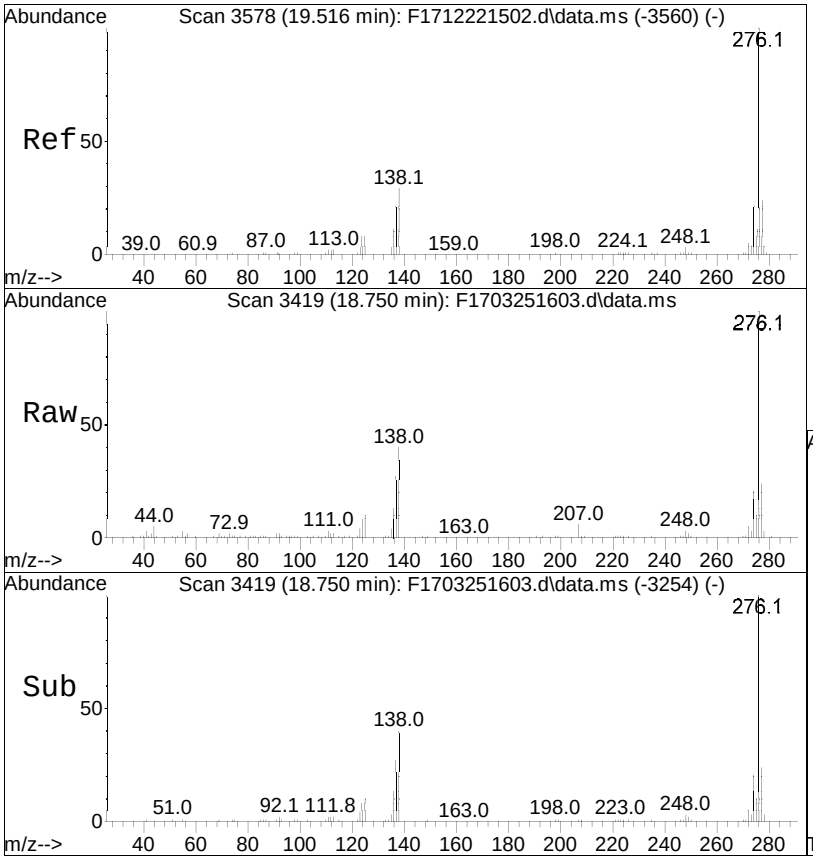


#89
Benzo[a]pyrene
Concen: 0.53 ug/mL
RT: 16.800 min Scan# 3014
Delta R.T. -0.029 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:252 Resp: 131606

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.2
125	19.0	11.8	17.8#

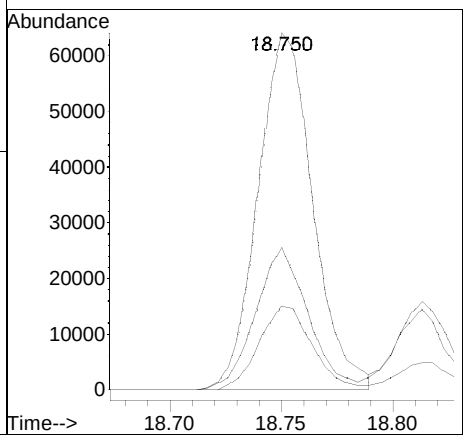


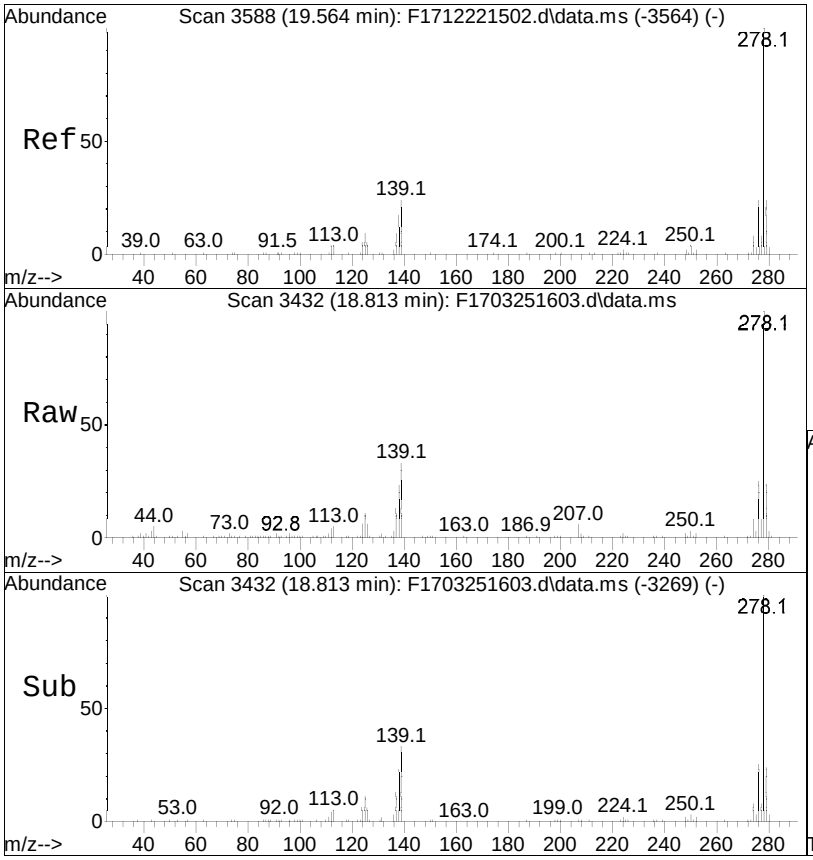


#90
Indeno[1,2,3-cd]pyrene
Concen: 0.50 ug/mL
RT: 18.750 min Scan# 3419
Delta R.T. -0.029 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:276 Resp: 108810

Ion	Ratio	Lower	Upper
276	100		
138	38.3	25.0	37.4#
277	23.0	19.1	28.7

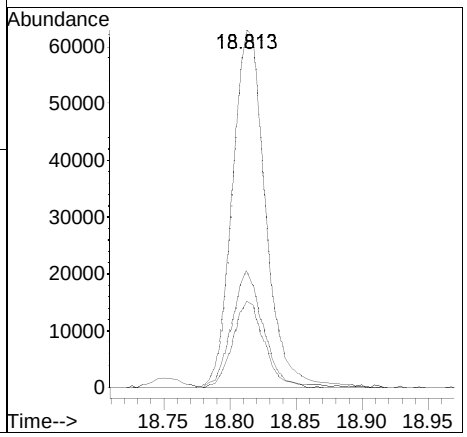


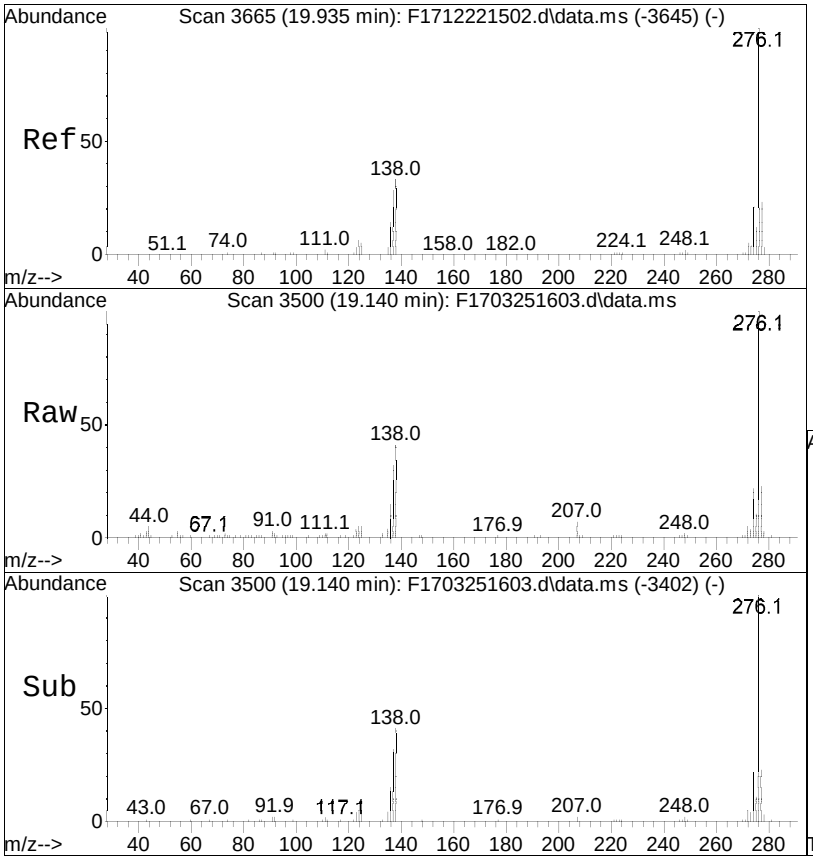


#91
Dibenz[a,h]anthracene
Concen: 0.51 ug/mL
RT: 18.813 min Scan# 3432
Delta R.T. -0.024 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:278 Resp: 109278

Ion	Ratio	Lower	Upper
278	100		
139	31.5	19.0	28.6#
279	23.2	18.8	28.2

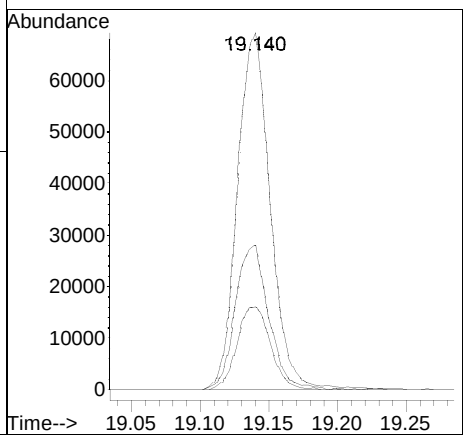




#92
Benzo[g,h,i]perylene
Concen: 0.52 ug/mL M4
RT: 19.140 min Scan# 3500
Delta R.T. -0.029 min
Lab File: F1703251603.d
Acq: 25 Mar 2016 6:00 pm

Tgt Ion:276 Resp: 114563

Ion	Ratio	Lower	Upper
276	100		
138	36.4	26.3	39.5
277	21.8	18.9	28.3

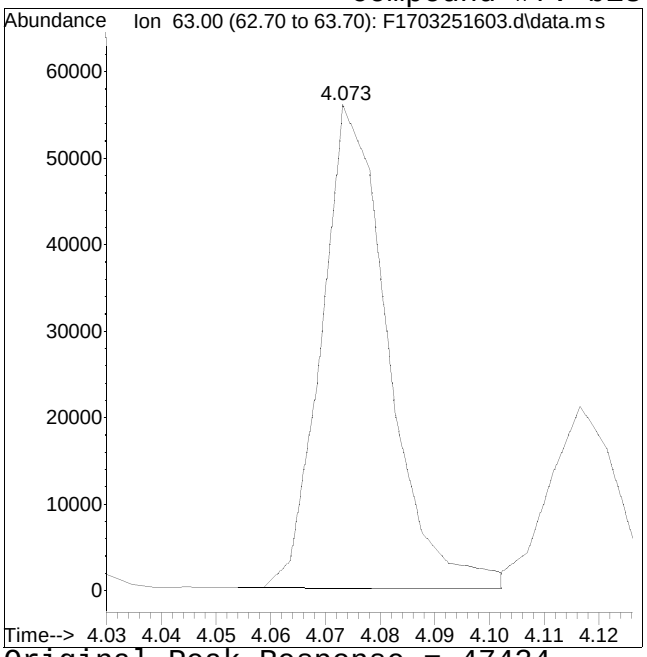


Manual Integration/Negative Proof Report

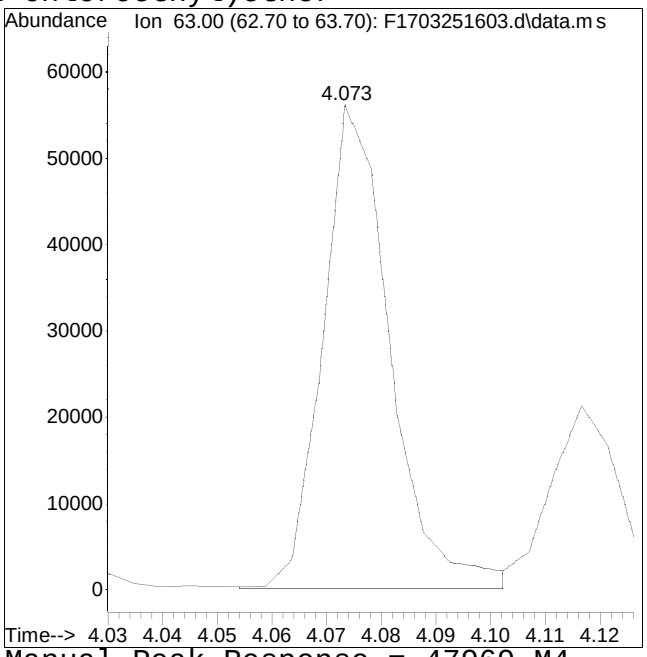
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251603.d
Date Inj'd : 3/25/2016 6:00 pm
Sample : I1703251601

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 11:49 am

Compound #7: bis(2-Chloroethyl)ether



Original Peak Response = 47434



Manual Peak Response = 47969 M4

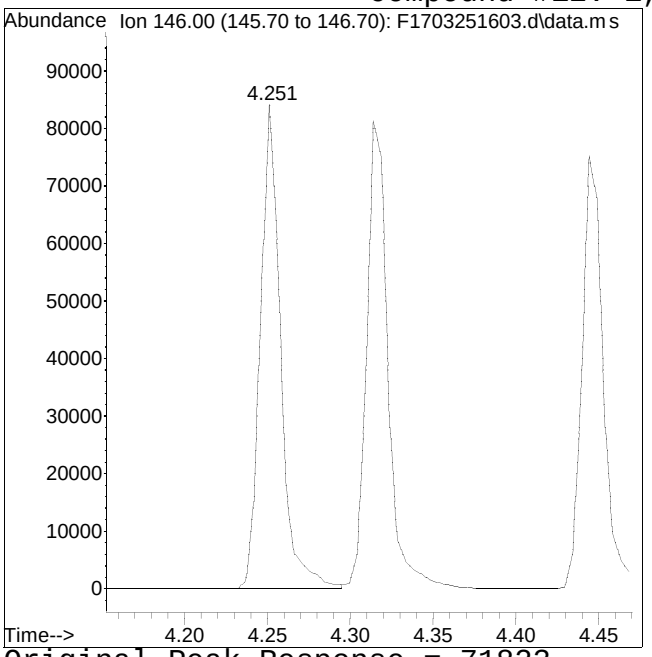
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

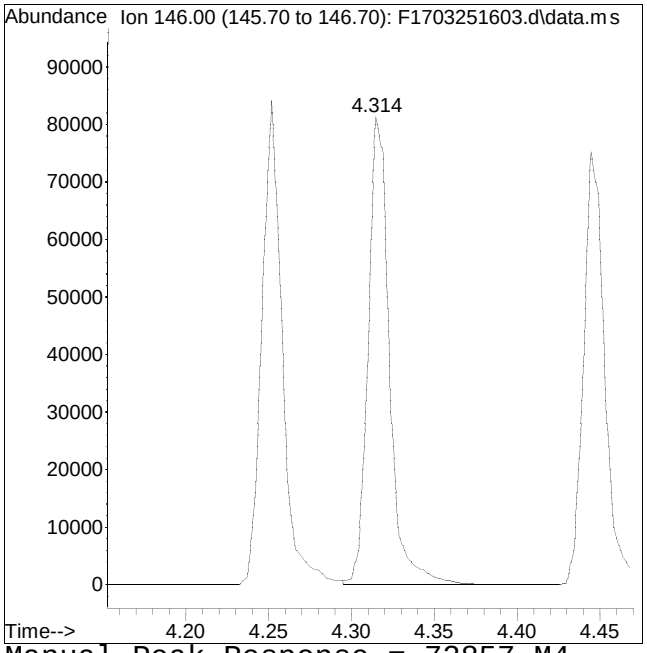
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251603.d
Date Inj'd : 3/25/2016 6:00 pm
Sample : I1703251601

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 11:49 am

Compound #12: 1,4-Dichlorobenzene



Original Peak Response = 71823



Manual Peak Response = 72857 M4

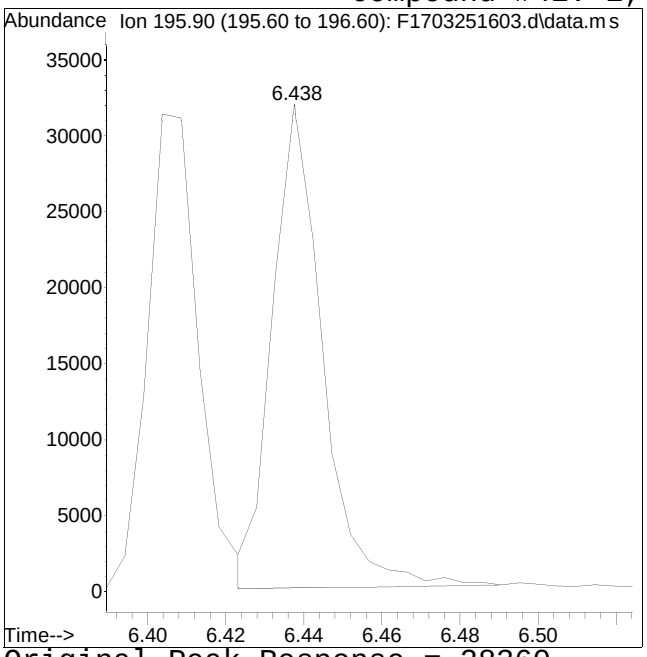
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

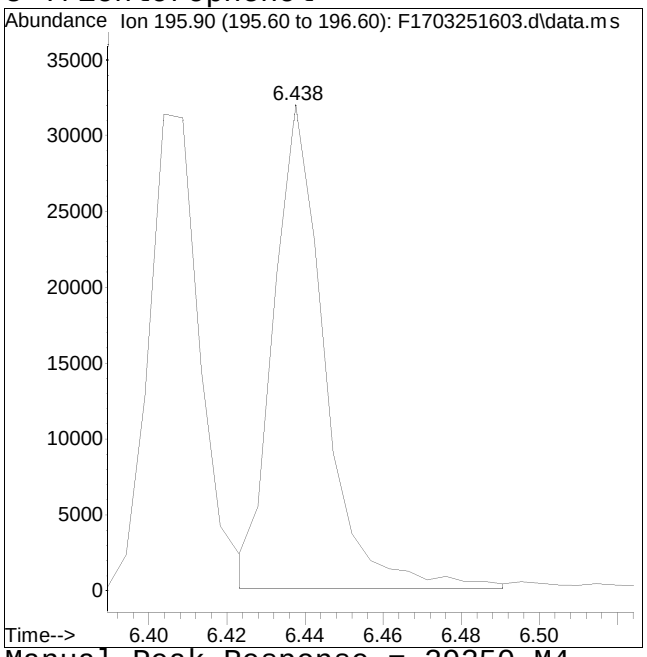
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251603.d
Date Inj'd : 3/25/2016 6:00 pm
Sample : I1703251601

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 11:49 am

Compound #42: 2,4,5-Trichlorophenol



Original Peak Response = 28360



Manual Peak Response = 29250 M4

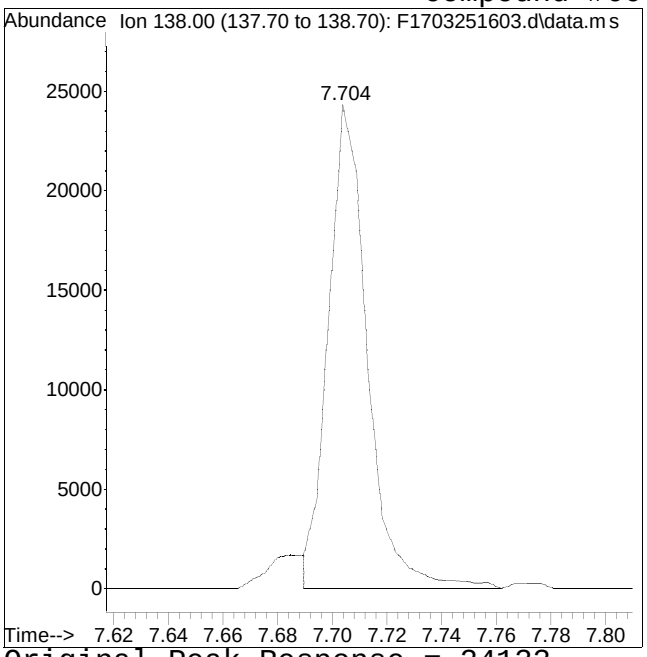
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

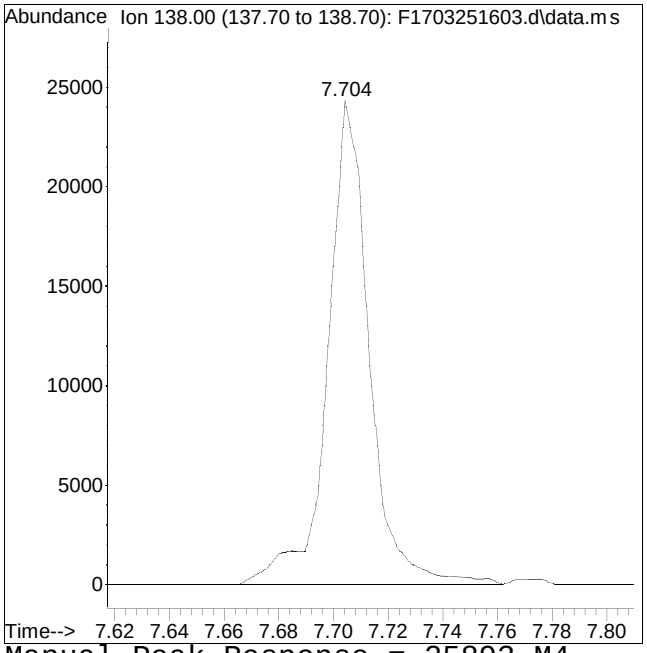
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251603.d
Date Inj'd : 3/25/2016 6:00 pm
Sample : I1703251601

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 11:49 am

Compound #60: 4-Nitroaniline



Original Peak Response = 24133



Manual Peak Response = 25893 M4

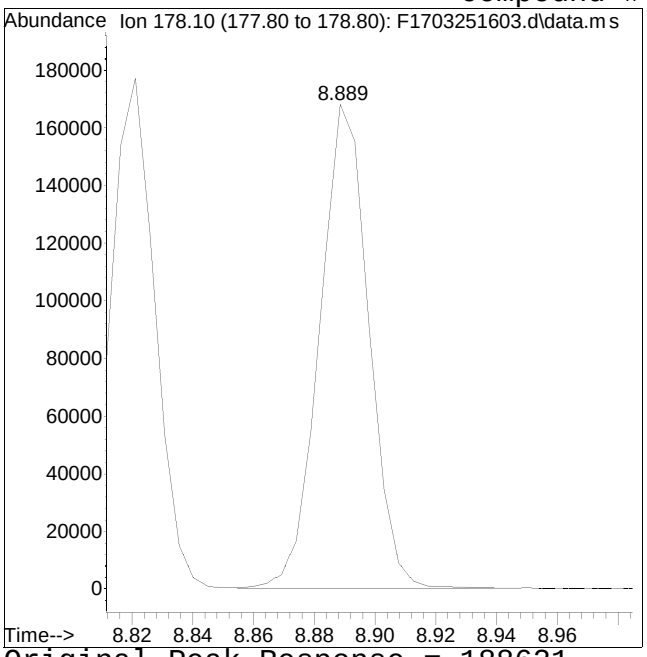
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

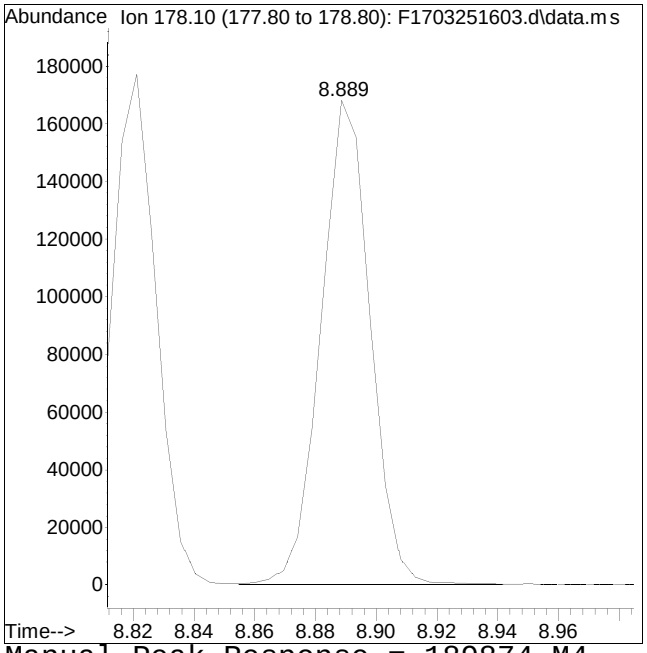
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251603.d
Date Inj'd : 3/25/2016 6:00 pm
Sample : I1703251601

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 11:49 am

Compound #72: Anthracene



Original Peak Response = 188621



Manual Peak Response = 189874 M4

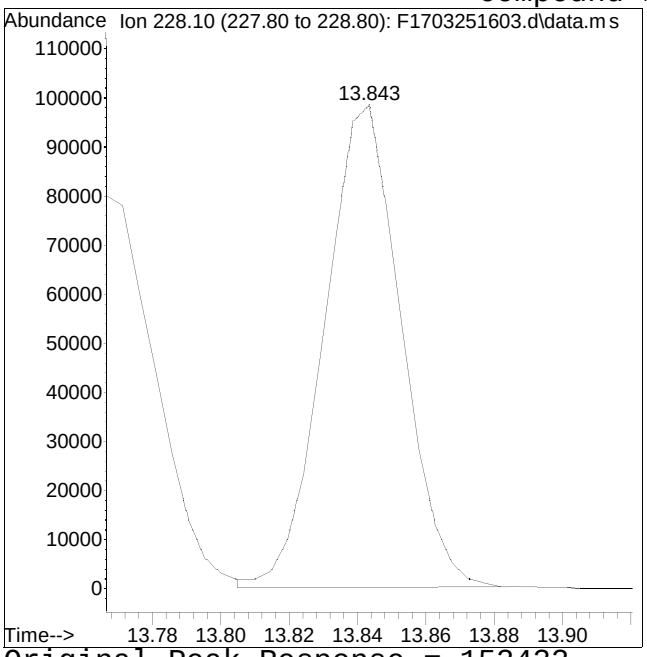
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

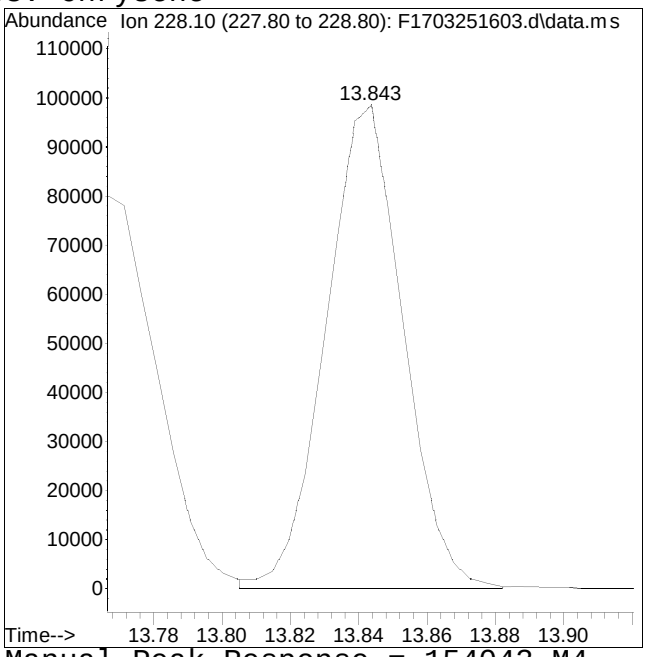
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251603.d
Date Inj'd : 3/25/2016 6:00 pm
Sample : I1703251601

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 11:49 am

Compound #83: Chrysene



Original Peak Response = 152432



Manual Peak Response = 154043 M4

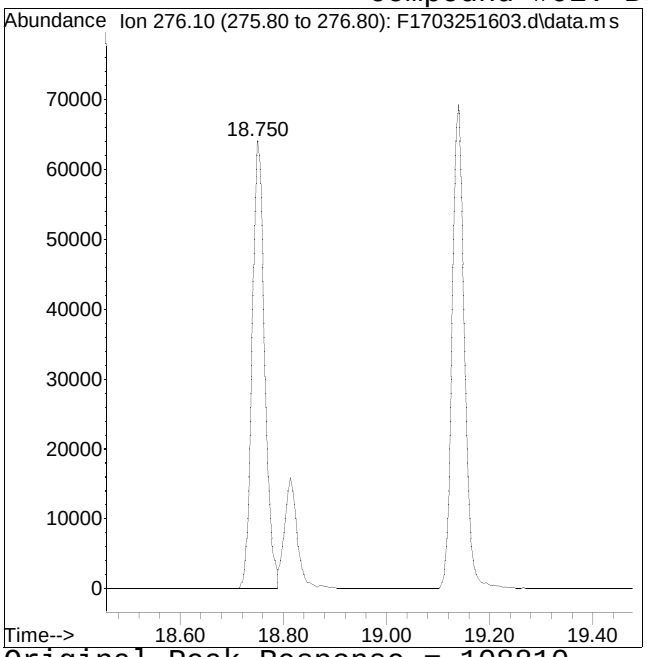
M4 = Poor automated baseline construction.

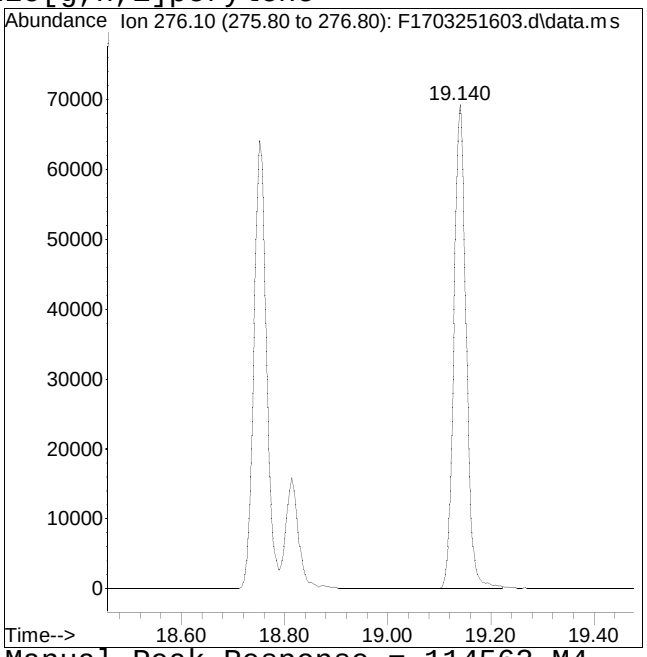
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251603.d
Date Inj'd : 3/25/2016 6:00 pm
Sample : I1703251601

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 11:49 am

Compound #92: Benzo[g,h,i]perylene





Original Peak Response = 108810 Manual Peak Response = 114563 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251604.d
Acq On : 25 Mar 2016 6:29 pm
Operator : PAH17:ML
Sample : I1703251602
Misc : WG877746,MSAI34
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 26 11:57:30 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:31 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.300	152	489977	5.000	ug/mL	0.00
21) Naphthalene-d8	5.450	136	1994332	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.141	164	960182	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.792	188	1733098	5.000	ug/mL	0.00
76) Chrysene-d12	13.791	240	1482832	5.000	ug/mL	0.00
85) Perylene-d12	16.925	264	1344296	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.250	112	130177	1.065	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery =	5.33%#		
8) Phenol-d5	3.977	99	164692	1.076	ug/mL	-0.01
Spiked Amount 20.000	Range 10 - 94		Recovery =	5.38%#		
22) Nitrobenzene-d5	4.786	82	122585	1.023	ug/mL	-0.01
Spiked Amount 20.000	Range 35 - 114		Recovery =	5.11%#		
43) 2-Fluorobiphenyl	6.491	172	238939	1.078	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery =	5.39%#		
65) 2,4,6-Tribromophenol	7.940	330	14368	0.837	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery =	4.18%#		
79) Terphenyl-d14	11.566	244	203444	1.005	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery =	5.02%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.316	74	78709	1.028	ug/mL#	68
3) Pyridine	2.335	79	141918	1.010	ug/mL#	73
5) Benzaldehyde	0.000		0	N.D.		
6) Aniline	4.020	93	206803	1.099	ug/ml#	1
7) bis(2-Chloroethyl)ether	4.073	63	93852	1.078	ug/mL#	82
9) Phenol	3.987	94	179838	1.106	ug/mL	91
10) 2-Chlorophenol	4.117	128	138181	1.032	ug/mL	96
11) 1,3-Dichlorobenzene	4.251	146	145403	1.091	ug/mL	99
12) 1,4-Dichlorobenzene	4.314	146	144996	1.086	ug/mL	99
13) 1,2-Dichlorobenzene	4.444	146	138601	1.105	ug/mL	99
14) Benzyl alcohol	4.415	108	92908	1.050	ug/mL	96
15) bis(2-chloroisopropyl)eth	4.540	45	192358	1.140	ug/mL#	89
16) 2-Methylphenol	4.511	108	119640	1.078	ug/mL	99
17) Acetophenone	0.000		0	N.D. d		
18) Hexachloroethane	4.743	117	58306	1.060	ug/mL	86
19) N-Nitroso-di-n-propylamin	4.656	70	97620	1.099	ug/mL#	79
20) 4-Methylphenol	4.646	108	129506	1.093	ug/mL	99
23) Nitrobenzene	4.805	77	130703	1.040	ug/mL	96

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251604.d
Acq On : 25 Mar 2016 6:29 pm
Operator : PAH17:ML
Sample : I1703251602
Misc : WG877746,MSAI34
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 26 11:57:30 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:31 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.022	82	225622	1.089	ug/mL	98
25) 2-Nitrophenol	5.099	139	57483	0.911	ug/mL	97
26) 2,4-Dimethylphenol	5.137	107	120958	1.102	ug/mL	99
27) Benzoic acid	5.181	105	11766	1.997	ug/mL#	47
28) bis(2-Chloroethoxy)methan	5.229	93	157565	1.083	ug/mL	100
29) 2,4-Dichlorophenol	5.316	162	102121	1.054	ug/mL	98
30) 1,2,4-Trichlorobenzene	5.397	180	108463	1.066	ug/mL	98
31) Naphthalene	5.470	128	390879	1.131	ug/mL	99
32) 2-Chloroaniline	5.065	127	198719	1.105	ug/ml	99
33) 4-Chloroaniline	5.523	127	168807	1.095	ug/mL	99
34) Hexachlorobutadiene	5.590	225	50074	1.041	ug/mL	100
35) Caprolactam	0.000		0	N.D.		
36) 4-Chloro-3-methylphenol	5.990	107	112113	1.044	ug/mL	99
37) 2-Methylnaphthalene	6.129	142	250470	1.108	ug/mL	98
39) 1,2,4,5-Tetrachlorobenzen	6.293	216	86161	1.063	ug/mL	99
40) Hexachlorocyclopentadiene	6.284	237	14070	0.910	ug/mL	100
41) 2,4,6-Trichlorophenol	6.404	196	60918	0.958	ug/mL	97
42) 2,4,5-Trichlorophenol	6.438	196	59773M4	0.979	ug/mL	
44) Biphenyl	0.000		0	N.D. d		
45) 2-Chloronaphthalene	6.596	162	229881	1.084	ug/mL	98
46) 2-Nitroaniline	6.702	65	55503	0.916	ug/mL	94
47) Acenaphthylene	7.001	152	378773	1.107	ug/mL	99
48) Dimethylphthalate	6.890	163	246579	1.050	ug/mL#	82
49) 2,6-Dinitrotoluene	6.948	165	43943	0.857	ug/mL	96
50) Acenaphthene	7.170	153	241664	1.100	ug/mL	99
51) 3-Nitroaniline	7.102	138	53104	0.887	ug/mL#	93
52) 2,4-Dinitrophenol	7.213	184	4619	1.887	ug/mL#	16
53) Dibenzofuran	7.338	168	303648	1.129	ug/mL	99
54) 2,3,4,6-Tetrachlorophenol	7.463	232	31460	0.833		97
55) 2,4-Dinitrotoluene	7.338	165	52486	0.851	ug/mL	99
56) 4-Nitrophenol	7.275	109	19714	0.669	ug/mL	94
57) Fluorene	7.685	166	259447	1.142	ug/mL	97
58) 4-Chlorophenyl-phenylethe	7.694	204	112594	1.127	ug/mL	99
59) Diethylphthalate	7.588	149	251281	1.036	ug/mL	99
60) 4-Nitroaniline	7.704	138	57709	0.896	ug/mL	96
62) 4,6-Dinitro-2-methylpheno	7.747	198	12449	1.760	ug/mL#	100
63) Azobenzene	7.863	182	75212	1.067	ug/mL	90
64) n-Nitrosodiphenylamine	7.820	169	179723	1.071	ug/mL	99
66) 4-Bromophenyl-phenylether	8.239	248	53690	1.033	ug/mL	95
67) Hexachlorobenzene	8.296	284	50346	1.009	ug/mL#	90
68) Atrazine	0.000		0	N.D. d		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251604.d
Acq On : 25 Mar 2016 6:29 pm
Operator : PAH17:ML
Sample : I1703251602
Misc : WG877746,MSAI34
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 26 11:57:30 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:31 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	8.547	266	15768	1.202	ug/mL	98
70) Pentachloronitrobenzene	8.561	237	17056	0.871	ug/ml	94
71) Phenanthrene	8.821	178	370462	1.092	ug/mL	99
72) Anthracene	8.889	178	379478M4	1.094	ug/mL	
73) Carbazole	9.129	167	356581	1.089	ug/mL	99
74) Di-n-butylphthalate	9.746	149	420904	1.081	ug/mL	100
75) Fluoranthene	10.733	202	372779	1.075	ug/mL#	94
77) Benzidine	0.000		0	N.D.	d	
78) Pyrene	11.147	202	375797	1.019	ug/mL#	91
80) Butylbenzylphthalate	12.736	149	179697	0.981	ug/mL	98
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	13.766	228	307702	0.994	ug/mL	99
83) Chrysene	13.844	228	307429M4	1.018	ug/mL	
84) bis(2-Ethylhexyl)phthalat	14.200	149	239803	0.985	ug/mL	96
86) Di-n-octylphthalate	15.741	149	405561	0.990	ug/mL	100
87) Benzo[b]fluoranthene	16.169	252	281547	0.992	ug/mL#	97
88) Benzo[k]fluoranthene	16.227	252	282062M4	1.047	ug/mL	
89) Benzo[a]pyrene	16.800	252	276585	1.033	ug/mL#	96
90) Indeno[1,2,3-cd]pyrene	18.750	276	227811	0.972	ug/mL	93
91) Dibenz[a,h]anthracene	18.813	278	227310M4	0.982	ug/mL	
92) Benzo[g,h,i]perylene	19.140	276	235650M4	0.990	ug/mL	

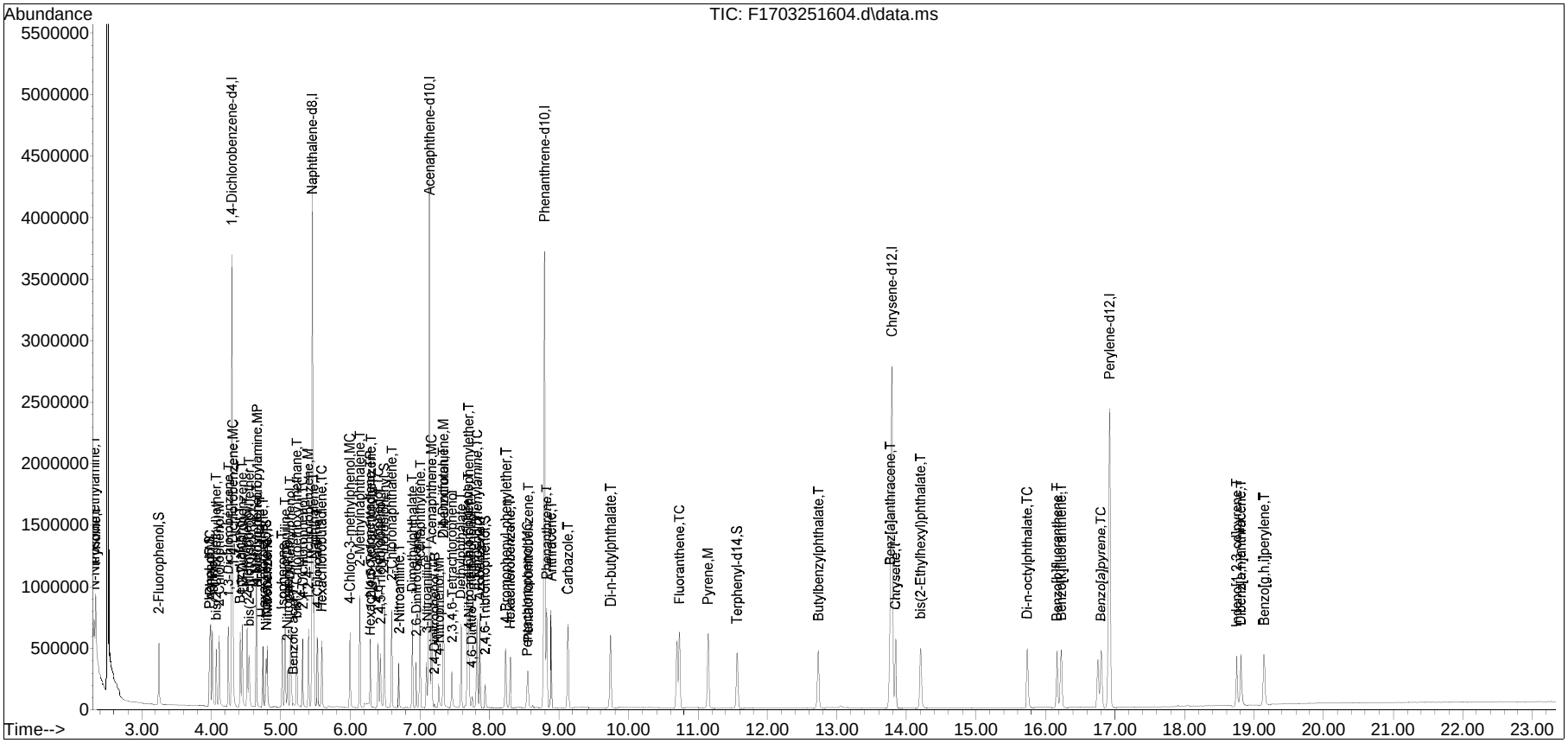
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251604.d
Acq On : 25 Mar 2016 6:29 pm
Operator : PAH17:ML
Sample : I1703251602
Misc : WG877746,MSAI34
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 26 11:57:30 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:31 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

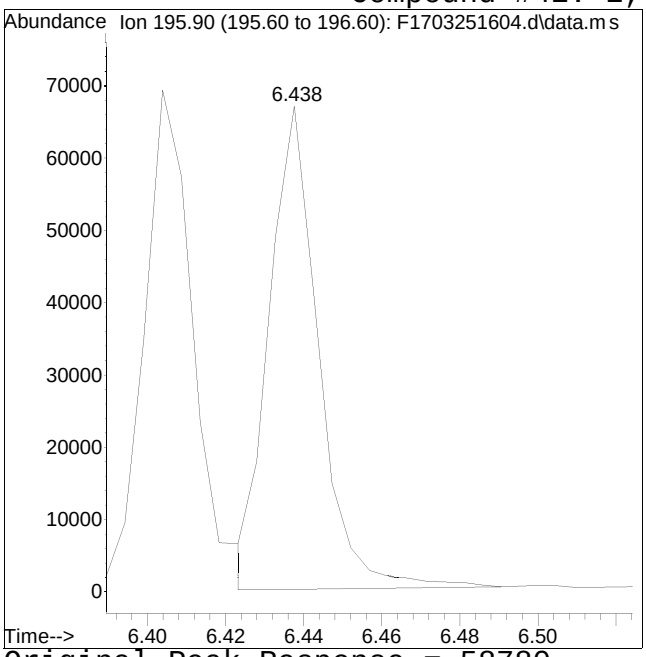


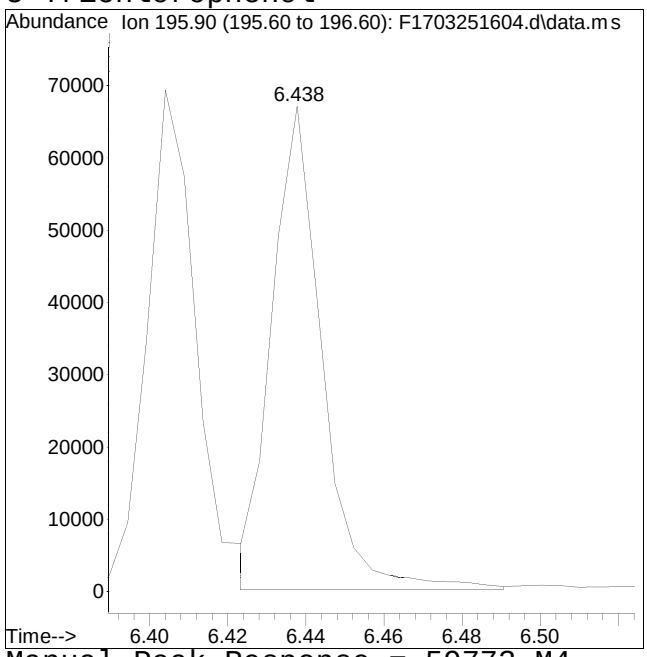
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251604.d
Date Inj'd : 3/25/2016 6:29 pm
Sample : I1703251602

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 11:57 am

Compound #42: 2,4,5-Trichlorophenol





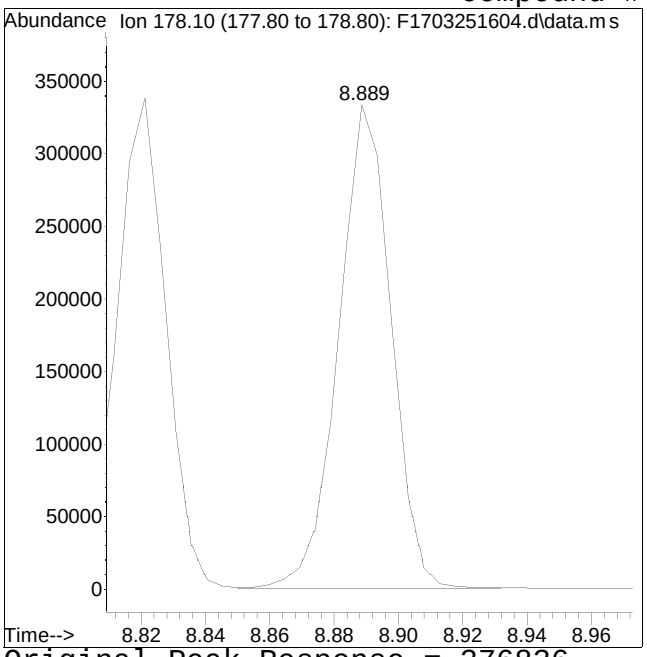
Original Peak Response = 58780 Manual Peak Response = 59773 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

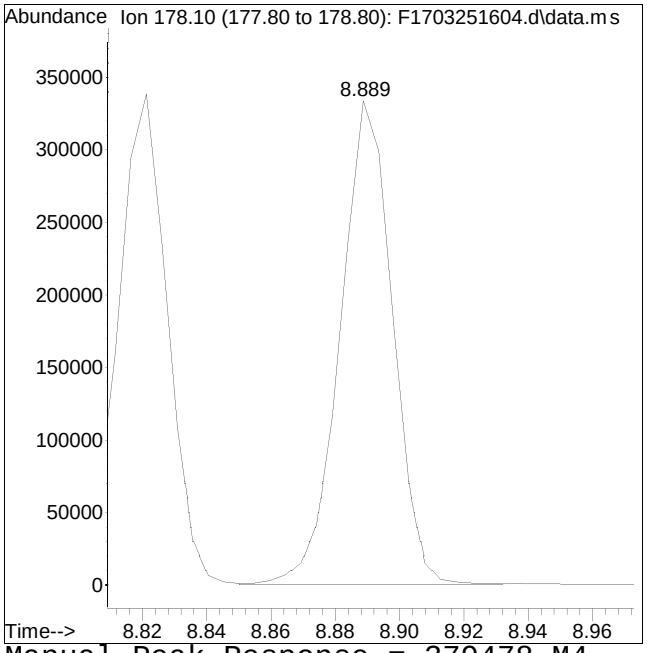
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251604.d
Date Inj'd : 3/25/2016 6:29 pm
Sample : I1703251602

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 11:57 am

Compound #72: Anthracene



Original Peak Response = 376836



Manual Peak Response = 379478 M4

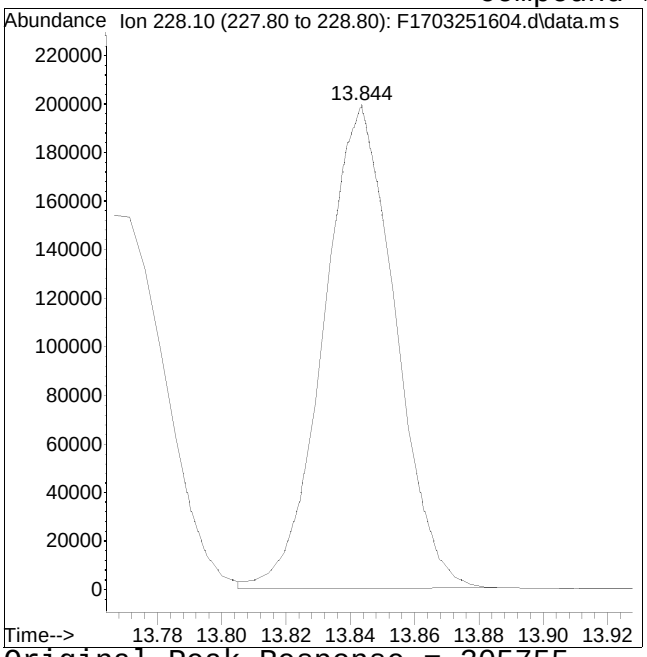
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

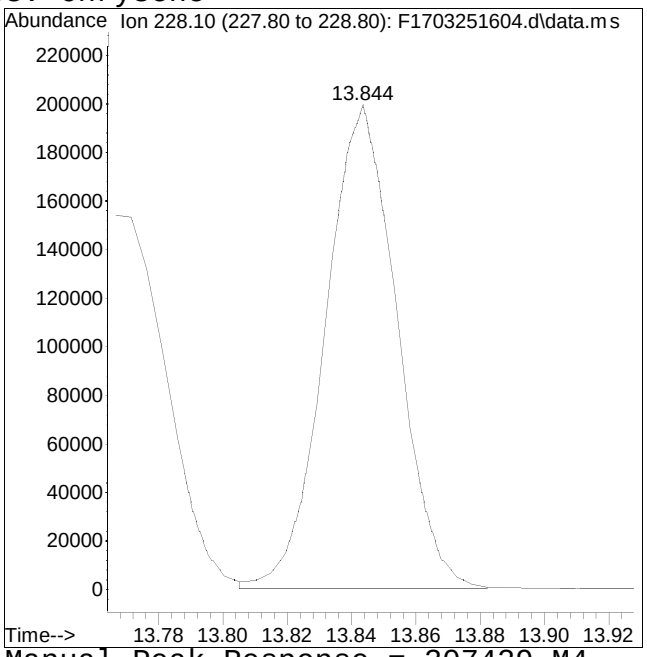
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251604.d
Date Inj'd : 3/25/2016 6:29 pm
Sample : I1703251602

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 11:57 am

Compound #83: Chrysene



Original Peak Response = 305755



Manual Peak Response = 307429 M4

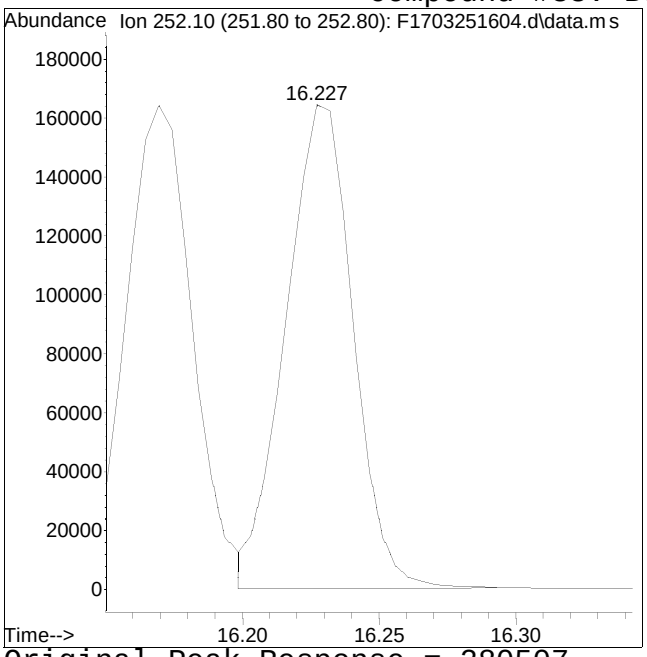
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

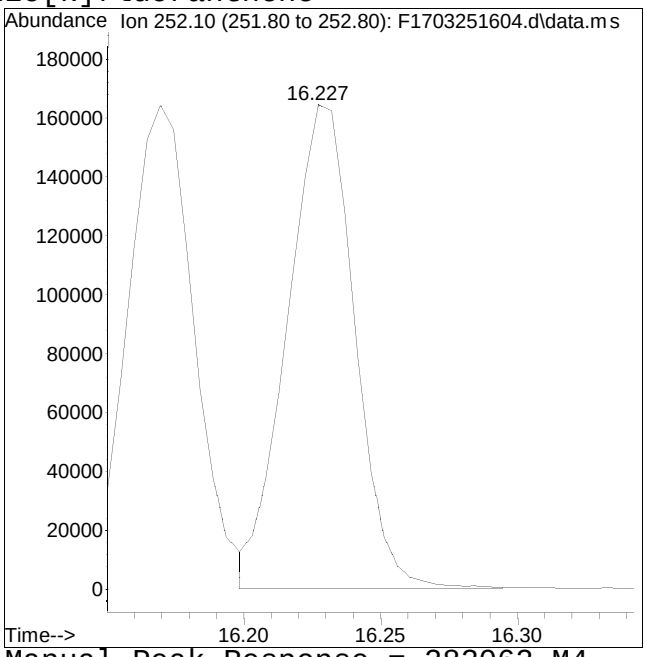
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251604.d
Date Inj'd : 3/25/2016 6:29 pm
Sample : I1703251602

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 11:57 am

Compound #88: Benzo[k]fluoranthene



Original Peak Response = 280507



Manual Peak Response = 282062 M4

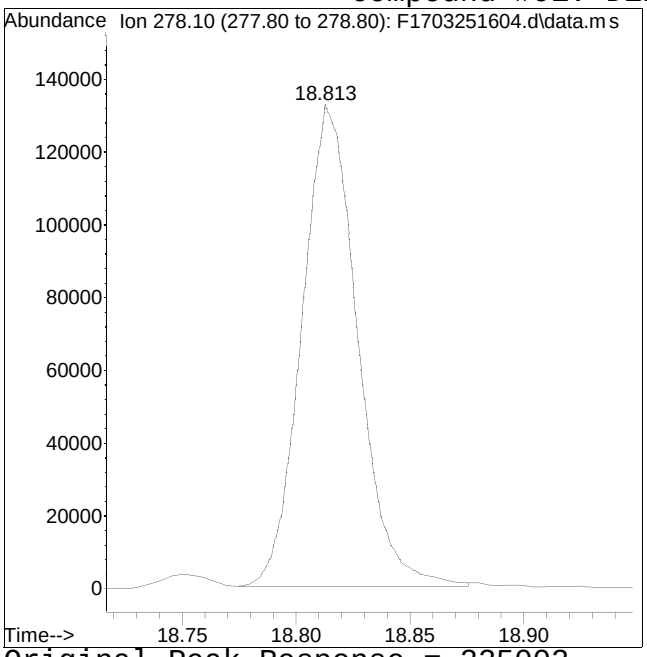
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

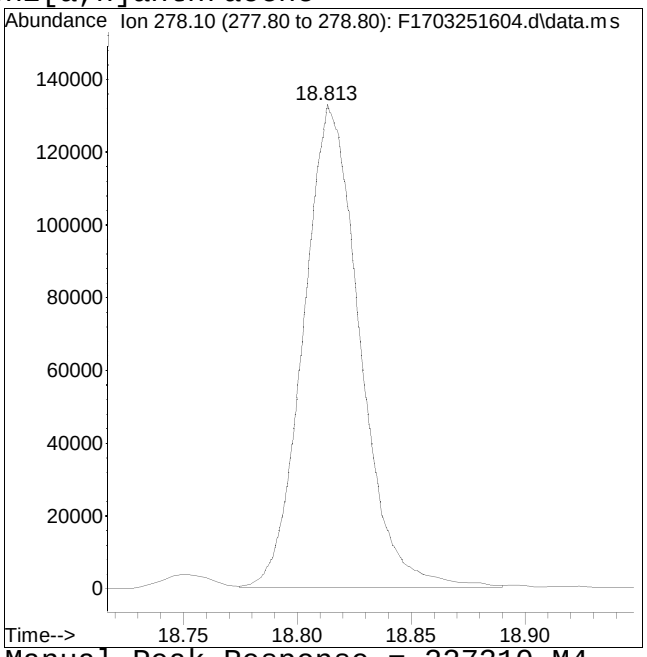
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251604.d
Date Inj'd : 3/25/2016 6:29 pm
Sample : I1703251602

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 11:57 am

Compound #91: Dibenz[a,h]anthracene



Original Peak Response = 225002



Manual Peak Response = 227310 M4

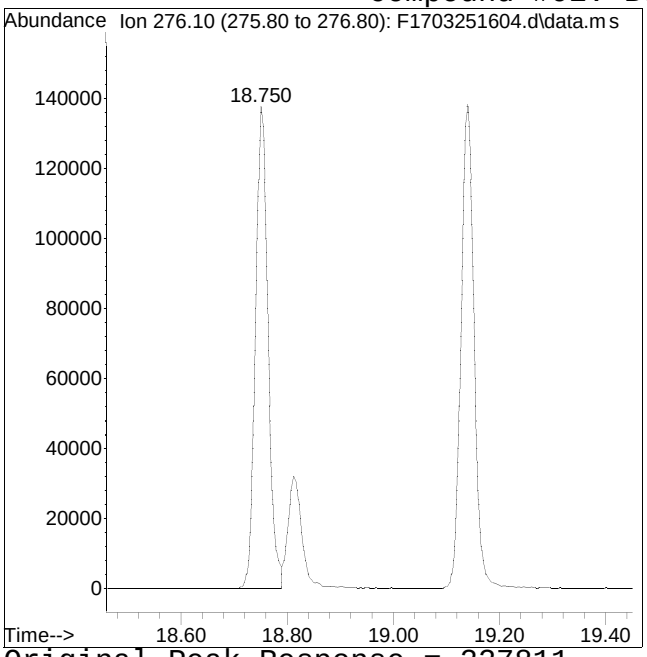
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

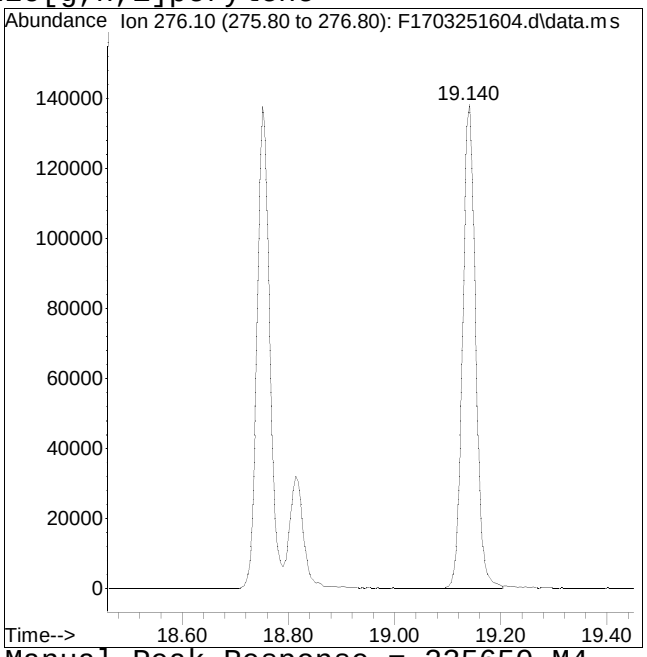
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251604.d
Date Inj'd : 3/25/2016 6:29 pm
Sample : I1703251602

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 11:57 am

Compound #92: Benzo[g,h,i]perylene



Original Peak Response = 227811



Manual Peak Response = 235650 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251605.d
Acq On : 25 Mar 2016 6:58 pm
Operator : PAH17:ML
Sample : I1703251603
Misc : WG877746,MSAI33
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 26 11:57:58 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.304	152	488135	5.000	ug/mL	0.00
21) Naphthalene-d8	5.450	136	1974772	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.141	164	949522	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.792	188	1737254	5.000	ug/mL	0.00
76) Chrysene-d12	13.791	240	1470221	5.000	ug/mL	0.00
85) Perylene-d12	16.925	264	1324438	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.250	112	260783	2.141	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 10.71%#			
8) Phenol-d5	3.982	99	325090	2.132	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 10.66%			
22) Nitrobenzene-d5	4.791	82	246016	2.073	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 10.36%#			
43) 2-Fluorobiphenyl	6.491	172	471429	2.152	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 10.76%#			
65) 2,4,6-Tribromophenol	7.940	330	32085	1.865	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 9.32%#			
79) Terphenyl-d14	11.566	244	409412	2.040	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 10.20%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.321	74	158506	2.079	ug/mL#	67
3) Pyridine	2.330	79	285611	2.040	ug/mL#	70
5) Benzaldehyde	0.000		0	N.D.		
6) Aniline	4.025	93	406580	2.168	ug/ml#	1
7) bis(2-Chloroethyl)ether	4.078	63	190216	2.192	ug/mL#	83
9) Phenol	3.991	94	348477	2.151	ug/mL	91
10) 2-Chlorophenol	4.121	128	281851	2.113	ug/mL	95
11) 1,3-Dichlorobenzene	4.251	146	284817	2.145	ug/mL	98
12) 1,4-Dichlorobenzene	4.319	146	288250M4	2.167	ug/mL	
13) 1,2-Dichlorobenzene	4.449	146	274185	2.193	ug/mL	99
14) Benzyl alcohol	4.420	108	186539	2.116	ug/mL	96
15) bis(2-chloroisopropyl)eth	4.540	45	374224	2.227	ug/mL#	88
16) 2-Methylphenol	4.516	108	236706	2.141	ug/mL	98
17) Acetophenone	0.000		0	N.D. d		
18) Hexachloroethane	4.747	117	116376	2.123	ug/mL	87
19) N-Nitroso-di-n-propylamin	4.656	70	189056	2.137	ug/mL#	79
20) 4-Methylphenol	4.651	108	255409	2.163	ug/mL	99
23) Nitrobenzene	4.810	77	267721	2.150	ug/mL	96

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251605.d
Acq On : 25 Mar 2016 6:58 pm
Operator : PAH17:ML
Sample : I1703251603
Misc : WG877746,MSAI33
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 26 11:57:58 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.027	82	444664	2.168	ug/mL	99
25) 2-Nitrophenol	5.099	139	123981	1.984	ug/mL	95
26) 2,4-Dimethylphenol	5.137	107	235550	2.167	ug/mL	99
27) Benzoic acid	5.195	105	44050M4	2.403	ug/mL	
28) bis(2-Chloroethoxy)methan	5.234	93	310024	2.151	ug/mL	99
29) 2,4-Dichlorophenol	5.320	162	202941	2.115	ug/mL	99
30) 1,2,4-Trichlorobenzene	5.402	180	214627	2.130	ug/mL	99
31) Naphthalene	5.470	128	758886	2.218	ug/mL	100
32) 2-Chloroaniline	5.065	127	387889	2.178	ug/ml	100
33) 4-Chloroaniline	5.528	127	333098	2.182	ug/mL	99
34) Hexachlorobutadiene	5.590	225	100738	2.115	ug/mL	99
35) Caprolactam	0.000		0	N.D.		
36) 4-Chloro-3-methylphenol	5.990	107	225665	2.122	ug/mL	98
37) 2-Methylnaphthalene	6.129	142	489415	2.186	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.293	216	170061	2.123	ug/mL	99
40) Hexachlorocyclopentadiene	6.284	237	39158	1.756	ug/mL	100
41) 2,4,6-Trichlorophenol	6.409	196	126295	2.009	ug/mL	97
42) 2,4,5-Trichlorophenol	6.438	196	124294M4	2.059	ug/mL	
44) Biphenyl	0.000		0	N.D. d		
45) 2-Chloronaphthalene	6.601	162	457385	2.181	ug/mL	99
46) 2-Nitroaniline	6.702	65	116596	1.946	ug/mL	90
47) Acenaphthylene	7.001	152	745720	2.203	ug/mL	99
48) Dimethylphthalate	6.890	163	488870	2.106	ug/mL#	82
49) 2,6-Dinitrotoluene	6.948	165	95544	1.885	ug/mL	97
50) Acenaphthene	7.170	153	476423	2.193	ug/mL	98
51) 3-Nitroaniline	7.102	138	115499	1.951	ug/mL#	94
52) 2,4-Dinitrophenol	7.213	184	12180	2.180	ug/mL#	16
53) Dibenzofuran	7.338	168	589490	2.217	ug/mL	100
54) 2,3,4,6-Tetrachlorophenol	7.463	232	71222	1.907		96
55) 2,4-Dinitrotoluene	7.338	165	120887	1.981	ug/mL#	95
56) 4-Nitrophenol	7.275	109	49306	1.692	ug/mL	97
57) Fluorene	7.685	166	509125	2.267	ug/mL	98
58) 4-Chlorophenyl-phenylethe	7.694	204	222181	2.249	ug/mL	99
59) Diethylphthalate	7.588	149	500071	2.085	ug/mL	99
60) 4-Nitroaniline	7.709	138	125402	1.968	ug/mL	94
62) 4,6-Dinitro-2-methylpheno	7.747	198	35851	2.265	ug/mL#	100
63) Azobenzene	7.863	182	149350	2.113	ug/mL	90
64) n-Nitrosodiphenylamine	7.820	169	359657	2.137	ug/mL	99
66) 4-Bromophenyl-phenylether	8.239	248	107127	2.057	ug/mL	96
67) Hexachlorobenzene	8.296	284	102386	2.047	ug/mL	92
68) Atrazine	0.000		0	N.D. d		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251605.d
Acq On : 25 Mar 2016 6:58 pm
Operator : PAH17:ML
Sample : I1703251603
Misc : WG877746,MSAI33
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 26 11:57:58 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	8.547	266	44491	1.961	ug/mL	98
70) Pentachloronitrobenzene	8.561	237	38544	1.964	ug/ml	99
71) Phenanthrene	8.821	178	730465	2.149	ug/mL	99
72) Anthracene	8.893	178	762714	2.193	ug/mL	99
73) Carbazole	9.134	167	710717	2.166	ug/mL	99
74) Di-n-butylphthalate	9.746	149	843817	2.161	ug/mL	99
75) Fluoranthene	10.733	202	750263	2.158	ug/mL#	95
77) Benzidine	0.000		0	N.D.	d	
78) Pyrene	11.152	202	762037	2.084	ug/mL#	92
80) Butylbenzylphthalate	12.736	149	374347	2.060	ug/mL	99
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	13.767	228	619272	2.017	ug/mL	100
83) Chrysene	13.844	228	623909M4	2.084	ug/mL	
84) bis(2-Ethylhexyl)phthalat	14.200	149	498275	2.065	ug/mL	97
86) Di-n-octylphthalate	15.741	149	858384	2.127	ug/mL	100
87) Benzo[b]fluoranthene	16.174	252	564918	2.020	ug/mL#	97
88) Benzo[k]fluoranthene	16.232	252	574379M4	2.165	ug/mL	
89) Benzo[a]pyrene	16.805	252	556294	2.109	ug/mL#	97
90) Indeno[1,2,3-cd]pyrene	18.755	276	460135	1.993	ug/mL	94
91) Dibenz[a,h]anthracene	18.818	278	461913M4	2.025	ug/mL	
92) Benzo[g,h,i]perylene	19.145	276	481907M4	2.054	ug/mL	

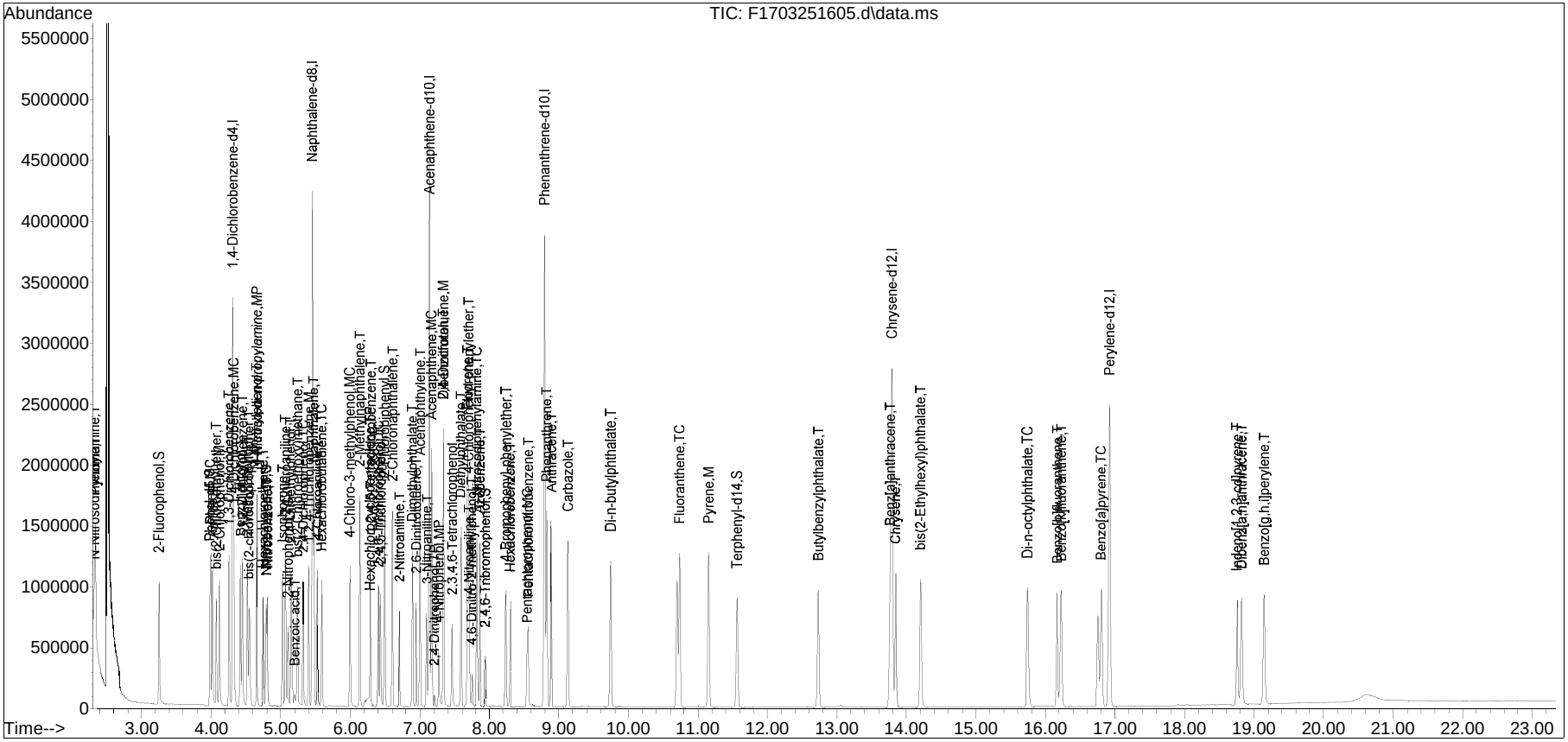
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251605.d
Acq On : 25 Mar 2016 6:58 pm
Operator : PAH17:ML
Sample : I1703251603
Misc : WG877746,MSAI33
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 26 11:57:58 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

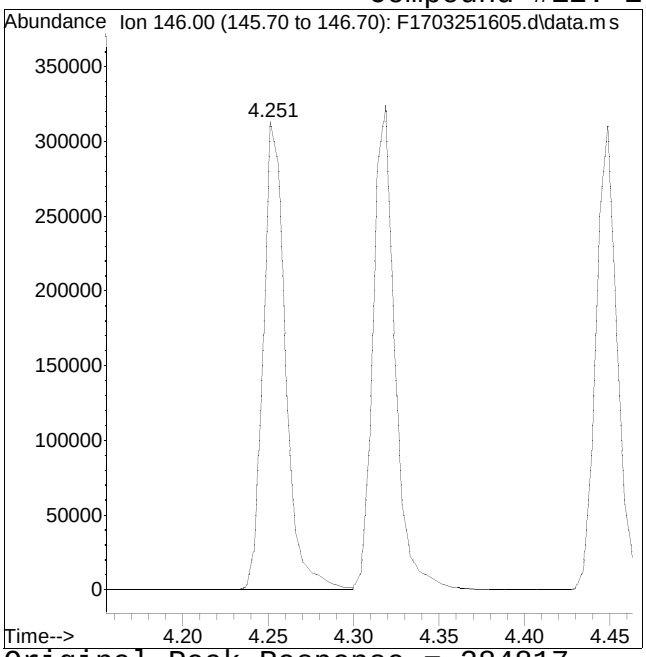


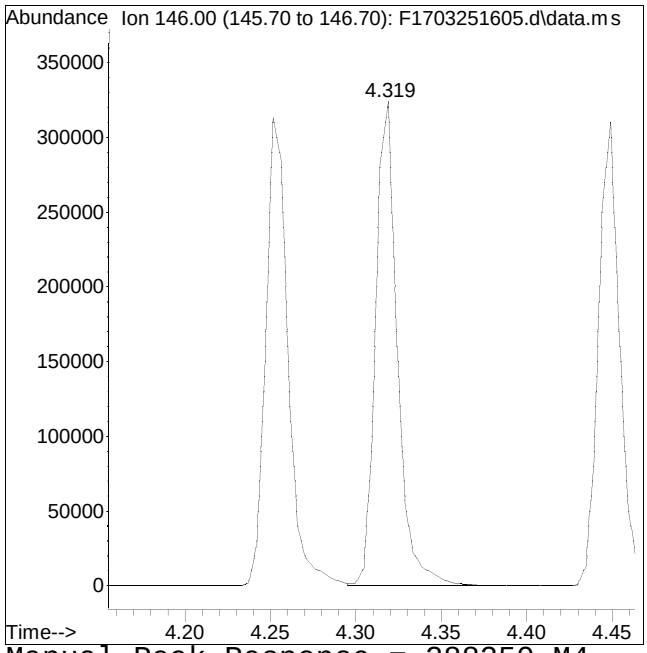
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251605.d
Date Inj'd : 3/25/2016 6:58 pm
Sample : I1703251603

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 11:57 am

Compound #12: 1,4-Dichlorobenzene





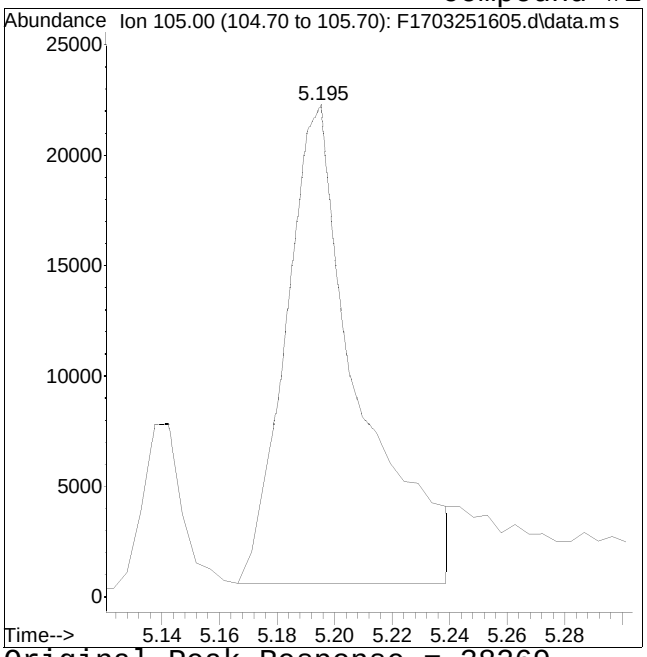
Original Peak Response = 284817 Manual Peak Response = 288250 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

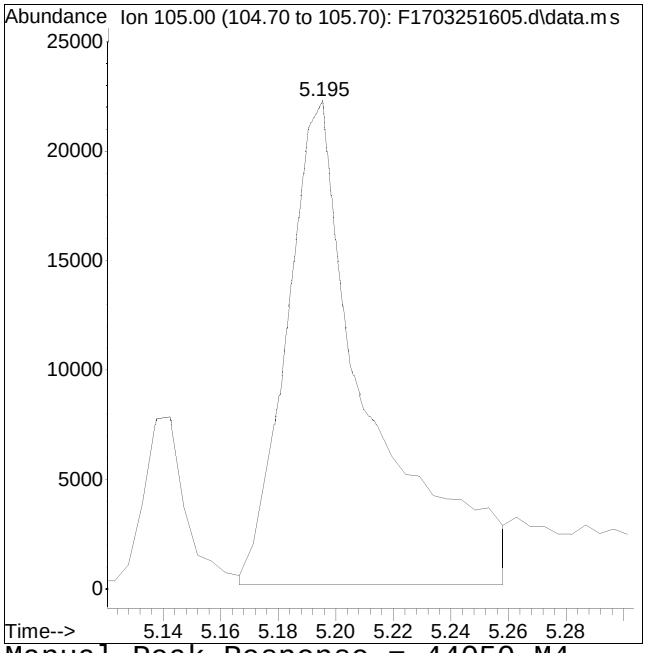
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251605.d
Date Inj'd : 3/25/2016 6:58 pm
Sample : I1703251603

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 11:57 am

Compound #27: Benzoic acid



Original Peak Response = 38269



Manual Peak Response = 44050 M4

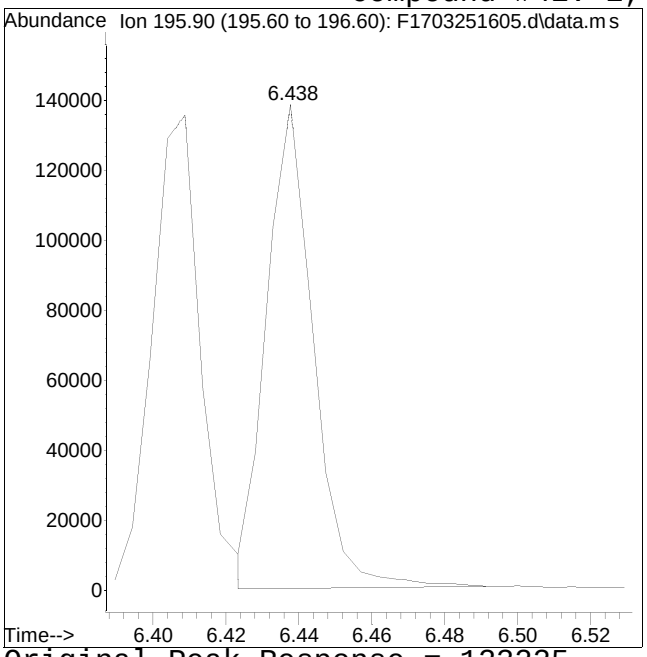
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

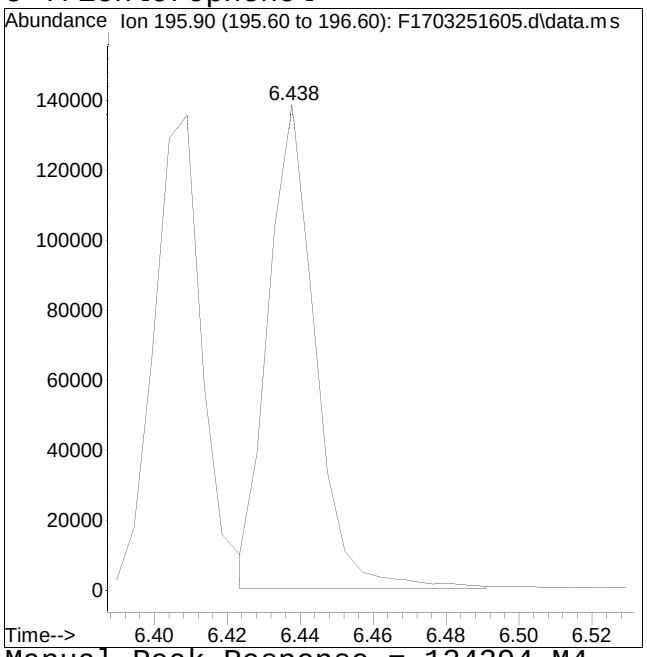
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251605.d
Date Inj'd : 3/25/2016 6:58 pm
Sample : I1703251603

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 11:57 am

Compound #42: 2,4,5-Trichlorophenol



Original Peak Response = 123225



Manual Peak Response = 124294 M4

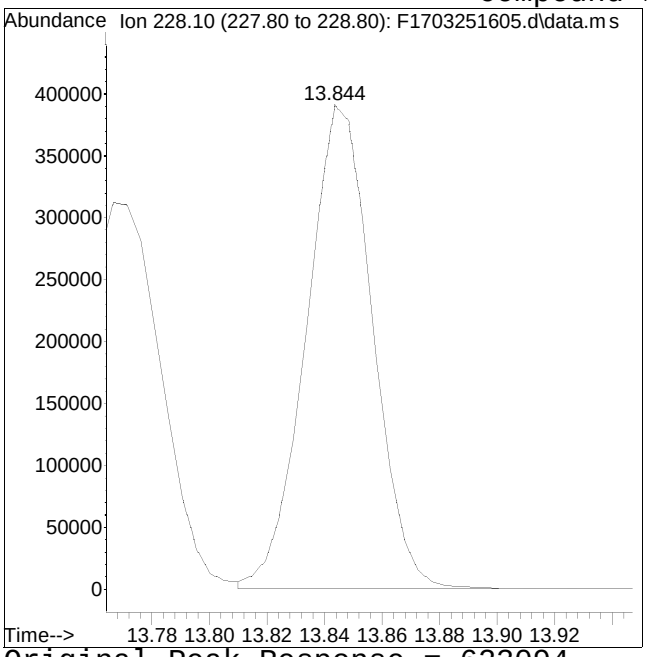
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

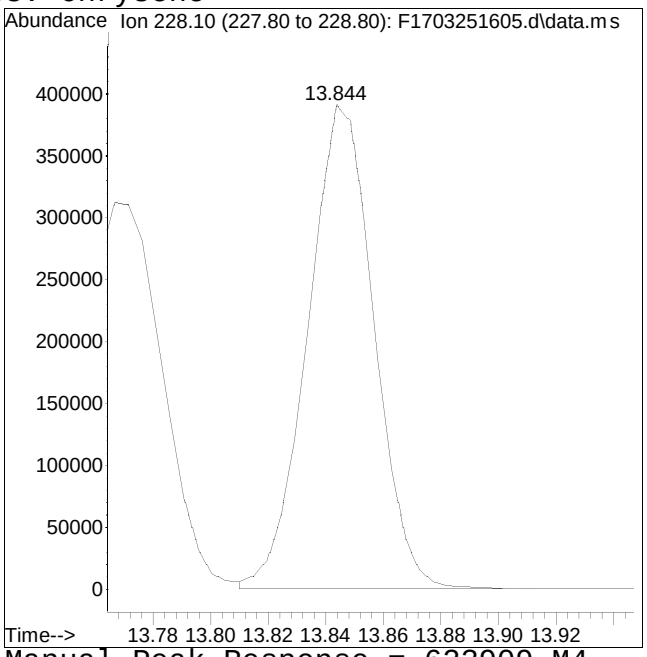
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251605.d
Date Inj'd : 3/25/2016 6:58 pm
Sample : I1703251603

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 11:57 am

Compound #83: Chrysene



Original Peak Response = 623094



Manual Peak Response = 623909 M4

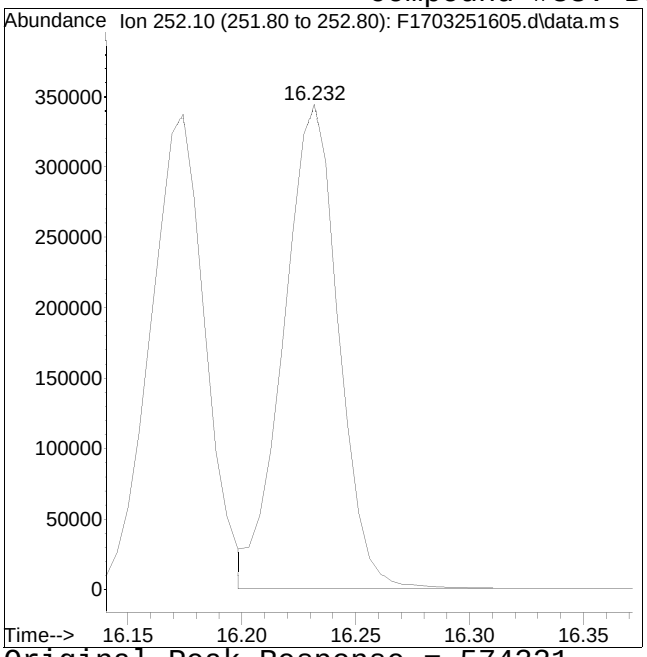
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

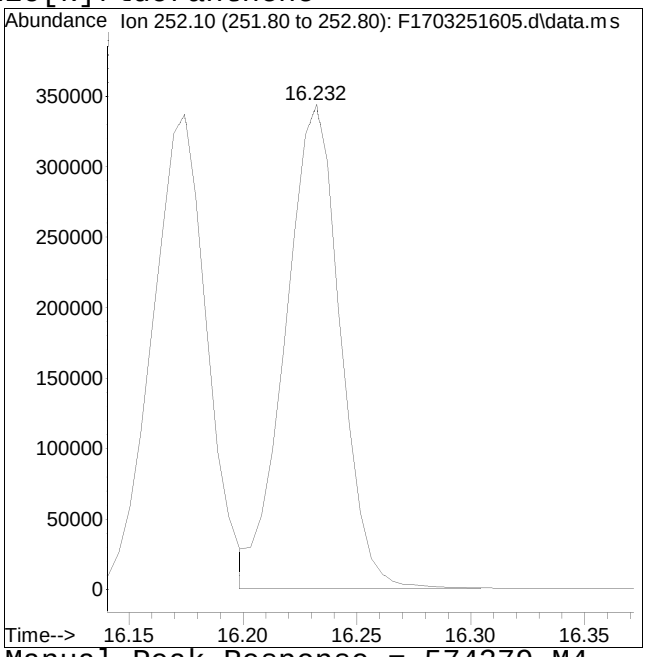
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251605.d
Date Inj'd : 3/25/2016 6:58 pm
Sample : I1703251603

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 11:57 am

Compound #88: Benzo[k]fluoranthene



Original Peak Response = 574321



Manual Peak Response = 574379 M4

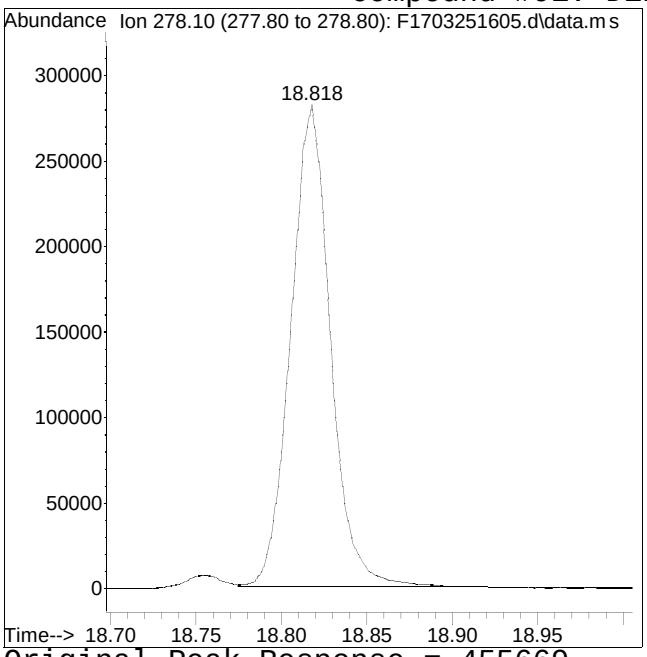
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

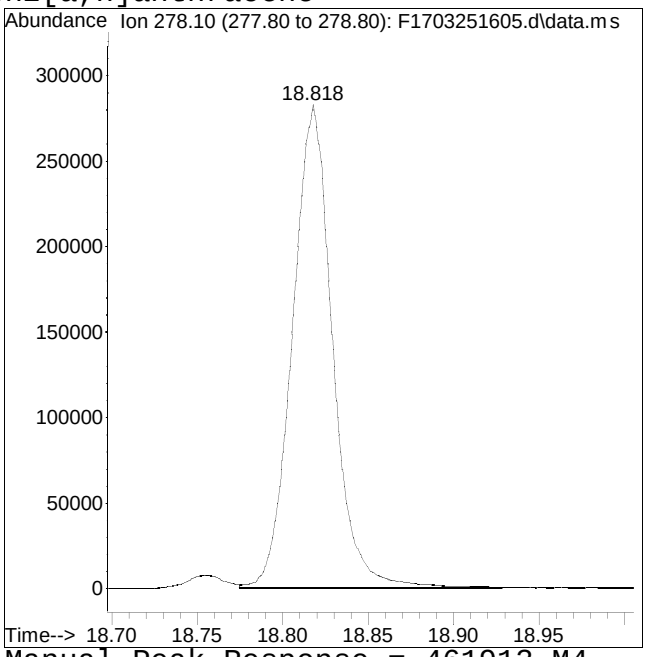
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251605.d
Date Inj'd : 3/25/2016 6:58 pm
Sample : I1703251603

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 11:57 am

Compound #91: Dibenz[a,h]anthracene



Original Peak Response = 455669



Manual Peak Response = 461913 M4

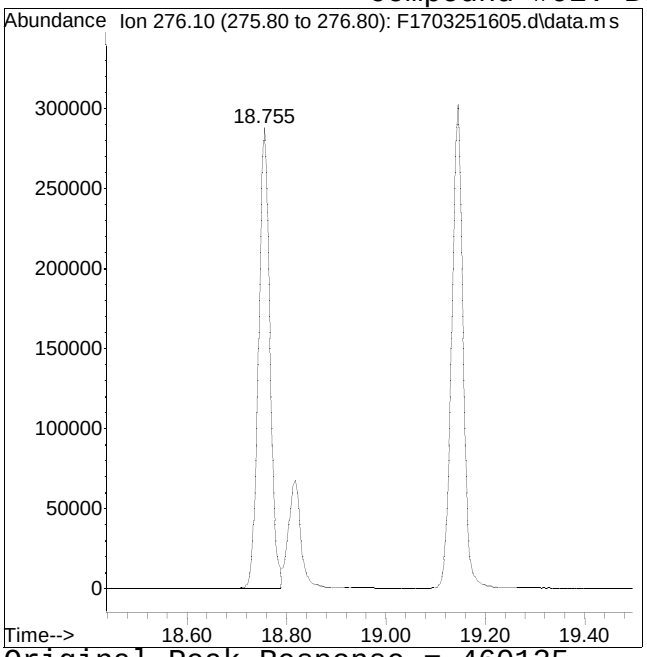
M4 = Poor automated baseline construction.

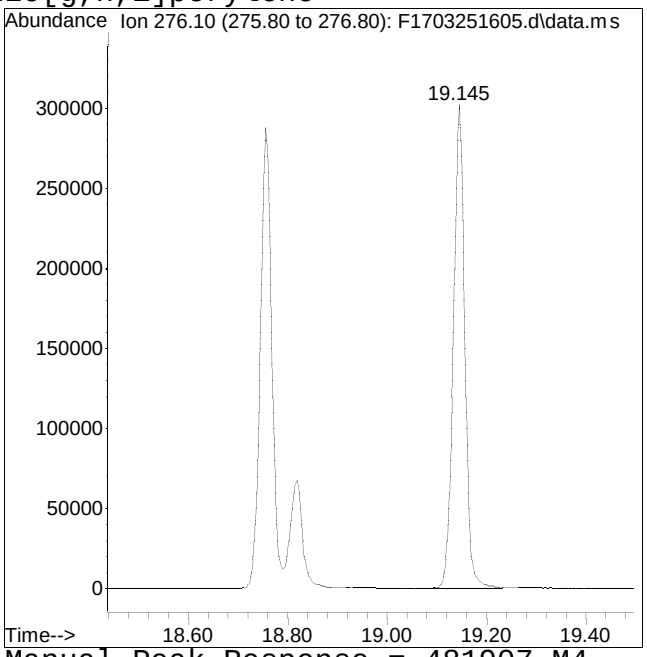
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251605.d
Date Inj'd : 3/25/2016 6:58 pm
Sample : I1703251603

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 11:57 am

Compound #92: Benzo[g,h,i]perylene





Original Peak Response = 460135 Manual Peak Response = 481907 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251606.d
Acq On : 25 Mar 2016 7:28 pm
Operator : PAH17:ML
Sample : I1703251604
Misc : WG877746,MSAI32
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 26 11:12:26 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.305	152	480334	5.000	ug/mL	0.00
21) Naphthalene-d8	5.455	136	1967304	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.141	164	941128	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.792	188	1726613	5.000	ug/mL	0.00
76) Chrysene-d12	13.796	240	1450975	5.000	ug/mL	0.00
85) Perylene-d12	16.925	264	1307182	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.250	112	638163	4.387	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 21.93%			
8) Phenol-d5	3.982	99	783209	4.071	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 20.35%			
22) Nitrobenzene-d5	4.791	82	607765	3.897	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 19.48%#			
43) 2-Fluorobiphenyl	6.491	172	1133808	4.471	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 22.36%#			
65) 2,4,6-Tribromophenol	7.945	330	85617	4.222	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 21.11%			
79) Terphenyl-d14	11.571	244	1004783	4.343	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 21.72%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.325	74	388210	4.276	ug/mL#	68
3) Pyridine	2.335	79	702384	4.295	ug/mL#	70
5) Benzaldehyde	0.000		0	N.D.		
6) Aniline	4.025	93	972607M4	4.140	ug/ml	
7) bis(2-Chloroethyl)ether	4.078	63	449289	3.422	ug/mL#	83
9) Phenol	3.996	94	833960	4.046	ug/mL	91
10) 2-Chlorophenol	4.122	128	686366	4.525	ug/mL	94
11) 1,3-Dichlorobenzene	4.252	146	687441	4.212	ug/mL	100
12) 1,4-Dichlorobenzene	4.319	146	685725	4.218	ug/mL	99
13) 1,2-Dichlorobenzene	4.449	146	650830	4.225	ug/mL	100
14) Benzyl alcohol	4.420	108	456260	4.359	ug/mL	95
15) bis(2-chloroisopropyl)eth	4.545	45	883923	2.925	ug/mL#	90
16) 2-Methylphenol	4.516	108	568257	4.107	ug/mL	99
17) Acetophenone	0.000		0	N.D. d		
18) Hexachloroethane	4.748	117	282100	4.182	ug/mL	88
19) N-Nitroso-di-n-propylamin	4.661	70	440531	3.716	ug/mL#	79
20) 4-Methylphenol	4.651	108	597541	3.996	ug/mL	99
23) Nitrobenzene	4.810	77	650719	3.962	ug/mL	95

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251606.d
Acq On : 25 Mar 2016 7:28 pm
Operator : PAH17:ML
Sample : I1703251604
Misc : WG877746,MSAI32
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 26 11:12:26 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.032	82	1063048	4.269	ug/mL	99
25) 2-Nitrophenol	5.099	139	325210	4.508	ug/mL	95
26) 2,4-Dimethylphenol	5.142	107	555962	3.908	ug/mL	99
27) Benzoic acid	5.224	105	228846M4	2.559	ug/mL	
28) bis(2-Chloroethoxy)methan	5.234	93	746384	4.360	ug/mL	99
29) 2,4-Dichlorophenol	5.321	162	499899	4.516	ug/mL	98
30) 1,2,4-Trichlorobenzene	5.402	180	514577	4.534	ug/mL	99
31) Naphthalene	5.475	128	1789406	4.457	ug/mL	100
32) 2-Chloroaniline	5.065	127	923508	4.836	ug/ml	100
33) 4-Chloroaniline	5.528	127	788786	4.930	ug/mL	100
34) Hexachlorobutadiene	5.590	225	241636	4.251	ug/mL	99
35) Caprolactam	0.000		0	N.D.		
36) 4-Chloro-3-methylphenol	5.995	107	548222	4.193	ug/mL	99
37) 2-Methylnaphthalene	6.134	142	1158075	4.358	ug/mL	98
39) 1,2,4,5-Tetrachlorobenzen	6.293	216	409316	4.823	ug/mL	100
40) Hexachlorocyclopentadiene	6.284	237	132663	2.547	ug/mL	99
41) 2,4,6-Trichlorophenol	6.409	196	317551	4.450	ug/mL	98
42) 2,4,5-Trichlorophenol	6.438	196	317827M4	4.895	ug/mL	
44) Biphenyl	0.000		0	N.D. d		
45) 2-Chloronaphthalene	6.601	162	1074796	4.484	ug/mL	98
46) 2-Nitroaniline	6.707	65	313859	3.519	ug/mL	92
47) Acenaphthylene	7.001	152	1743901	4.426	ug/mL	100
48) Dimethylphthalate	6.895	163	1178656	4.431	ug/mL	99
49) 2,6-Dinitrotoluene	6.948	165	263418	4.490	ug/mL	98
50) Acenaphthene	7.175	153	1120150	4.272	ug/mL	98
51) 3-Nitroaniline	7.107	138	306923	4.345	ug/mL#	97
52) 2,4-Dinitrophenol	7.213	184	76336	2.951	ug/mL#	93
53) Dibenzofuran	7.343	168	1369483	4.328	ug/mL	100
54) 2,3,4,6-Tetrachlorophenol	7.463	232	187371	4.034		96
55) 2,4-Dinitrotoluene	7.338	165	327650	4.294	ug/mL#	89
56) 4-Nitrophenol	7.280	109	143554	3.353	ug/mL	96
57) Fluorene	7.685	166	1177968	4.533	ug/mL	98
58) 4-Chlorophenyl-phenylethe	7.695	204	511899	4.592	ug/mL	99
59) Diethylphthalate	7.593	149	1206631	4.363	ug/mL	99
60) 4-Nitroaniline	7.714	138	333334M4	4.512	ug/mL	
62) 4,6-Dinitro-2-methylpheno	7.752	198	146796	3.553	ug/mL#	100
63) Azobenzene	7.863	182	359534	4.433	ug/mL	96
64) n-Nitrosodiphenylamine	7.825	169	863246	4.440	ug/mL	99
66) 4-Bromophenyl-phenylether	8.239	248	262764	4.399	ug/mL	97
67) Hexachlorobenzene	8.296	284	253560	4.477	ug/mL	94
68) Atrazine	0.000		0	N.D. d		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251606.d
Acq On : 25 Mar 2016 7:28 pm
Operator : PAH17:ML
Sample : I1703251604
Misc : WG877746,MSAI32
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 26 11:12:26 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	8.552	266	142586	3.120	ug/mL	99
70) Pentachloronitrobenzene	8.566	237	103510	4.096	ug/ml	98
71) Phenanthrene	8.826	178	1749719	4.273	ug/mL	99
72) Anthracene	8.894	178	1815117M4	4.434	ug/mL	
73) Carbazole	9.134	167	1702339	4.440	ug/mL	99
74) Di-n-butylphthalate	9.746	149	2051385	4.595	ug/mL	99
75) Fluoranthene	10.738	202	1814354	4.458	ug/mL	97
77) Benzidine	0.000		0	N.D.		
78) Pyrene	11.157	202	1860985	4.443	ug/mL	94
80) Butylbenzylphthalate	12.736	149	930363	4.579	ug/mL	99
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	13.771	228	1536830	4.340	ug/mL	100
83) Chrysene	13.853	228	1516798	4.389	ug/mL	100
84) bis(2-Ethylhexyl)phthalat	14.205	149	1251998	4.854	ug/mL	96
86) Di-n-octylphthalate	15.746	149	2206357	4.643	ug/mL	100
87) Benzo[b]fluoranthene	16.179	252	1417890M4	4.250	ug/mL	
88) Benzo[k]fluoranthene	16.237	252	1399460	4.352	ug/mL#	97
89) Benzo[a]pyrene	16.815	252	1384878	4.392	ug/mL	97
90) Indeno[1,2,3-cd]pyrene	18.765	276	1153949	4.389	ug/mL	94
91) Dibenz[a,h]anthracene	18.823	278	1150576	4.385	ug/mL#	93
92) Benzo[g,h,i]perylene	19.150	276	1196574	4.548	ug/mL	93

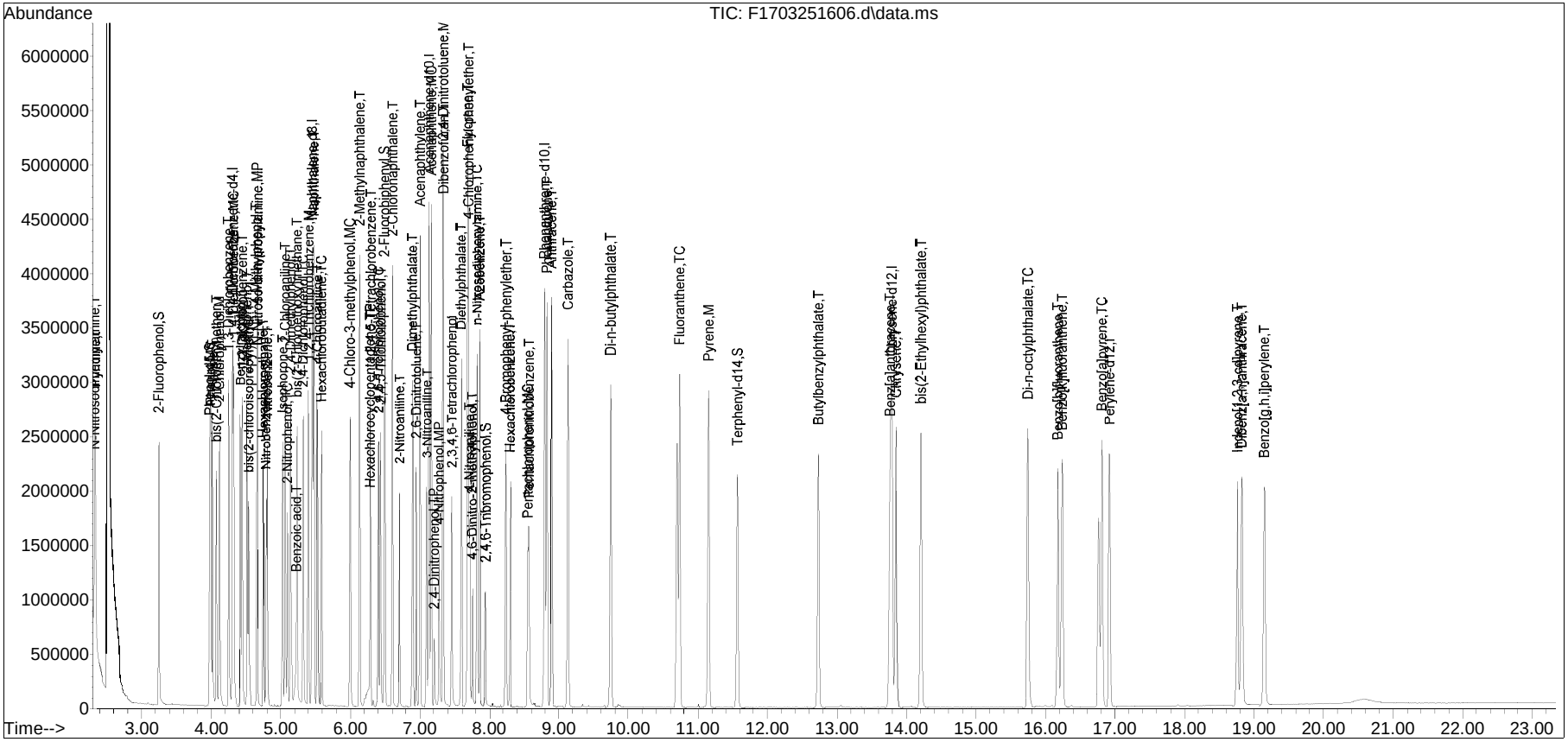
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251606.d
Acq On : 25 Mar 2016 7:28 pm
Operator : PAH17:ML
Sample : I1703251604
Misc : WG877746,MSAI32
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 26 11:12:26 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

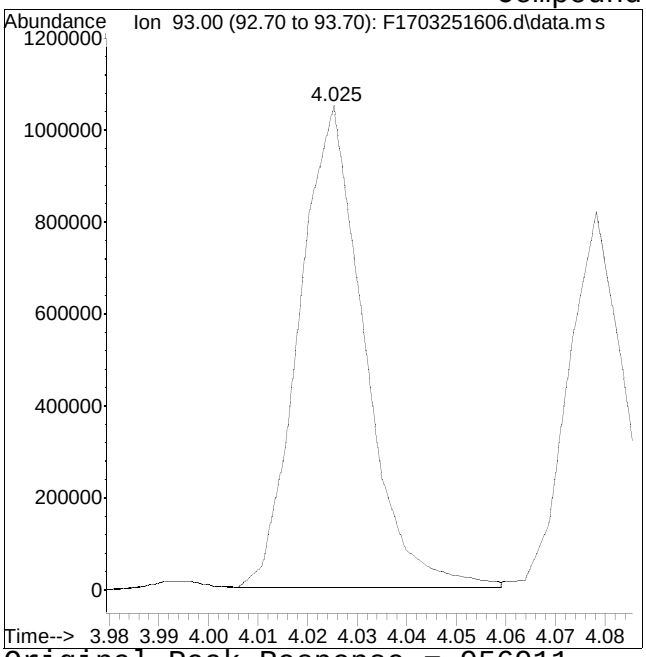


Manual Integration/Negative Proof Report

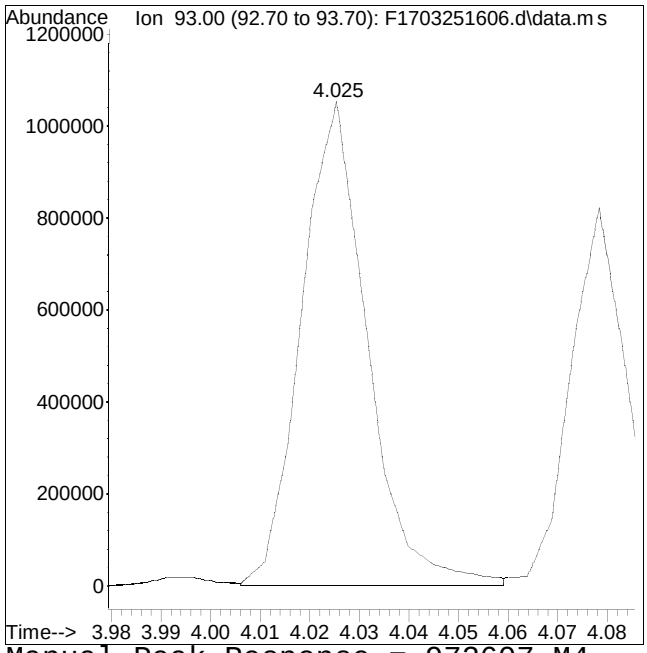
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251606.d
Date Inj'd : 3/25/2016 7:28 pm
Sample : I1703251604

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #6: Aniline



Original Peak Response = 956911



Manual Peak Response = 972607 M4

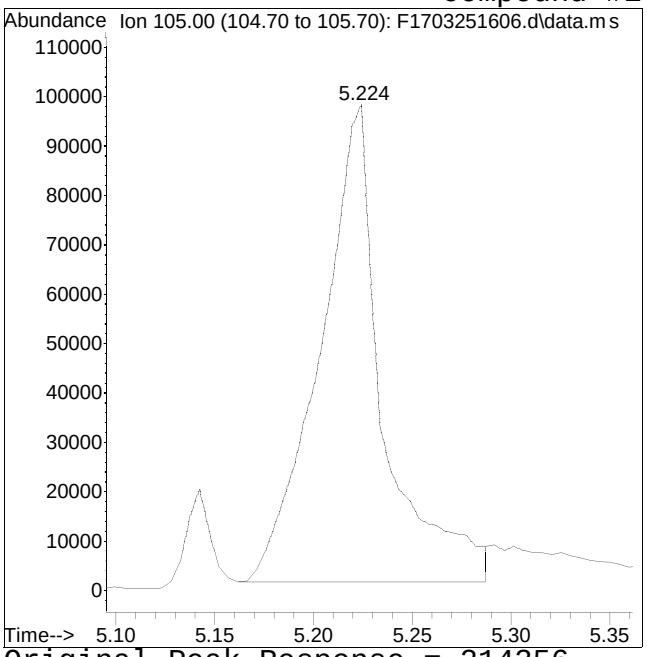
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

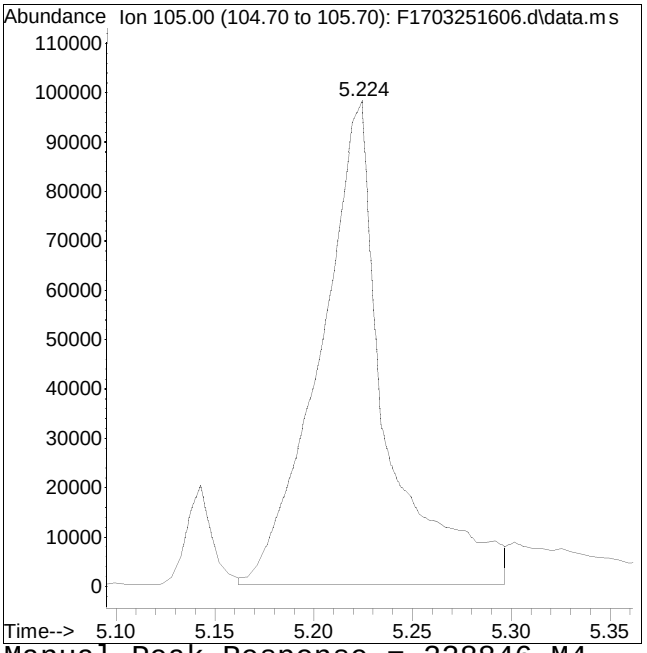
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251606.d
Date Inj'd : 3/25/2016 7:28 pm
Sample : I1703251604

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #27: Benzoic acid



Original Peak Response = 214356



Manual Peak Response = 228846 M4

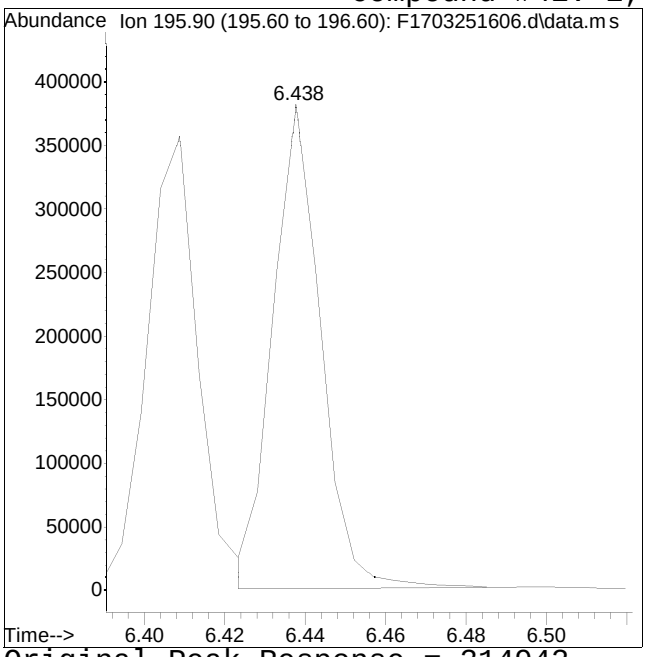
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

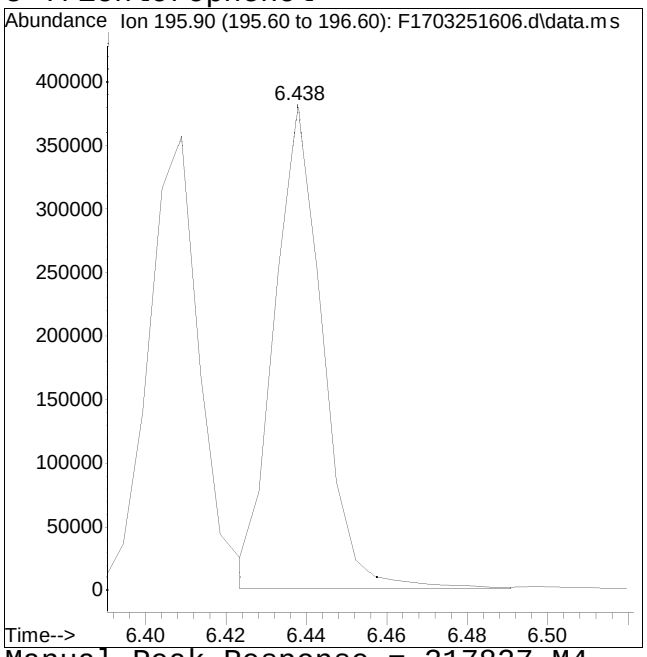
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251606.d
Date Inj'd : 3/25/2016 7:28 pm
Sample : I1703251604

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #42: 2,4,5-Trichlorophenol



Original Peak Response = 314942



Manual Peak Response = 317827 M4

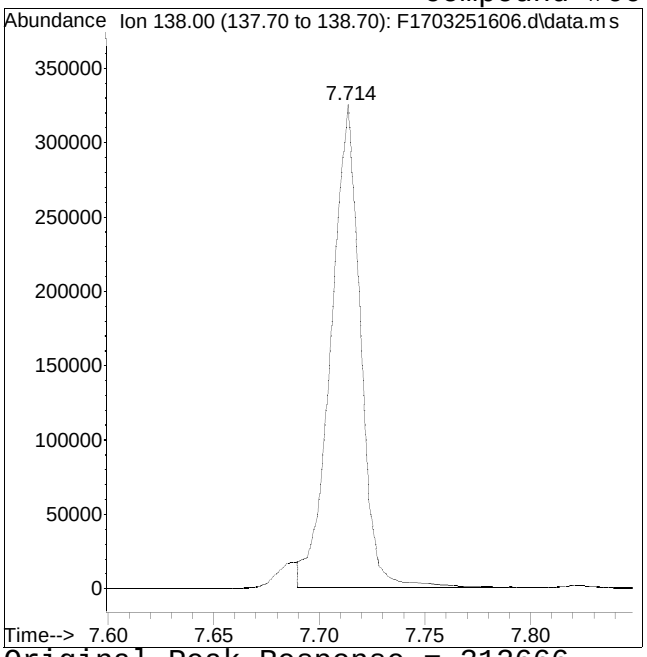
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

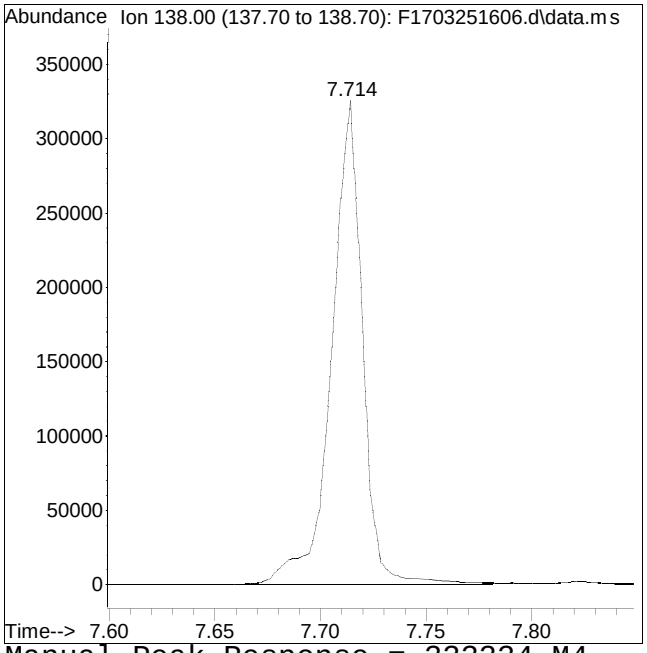
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251606.d
Date Inj'd : 3/25/2016 7:28 pm
Sample : I1703251604

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #60: 4-Nitroaniline



Original Peak Response = 312666



Manual Peak Response = 333334 M4

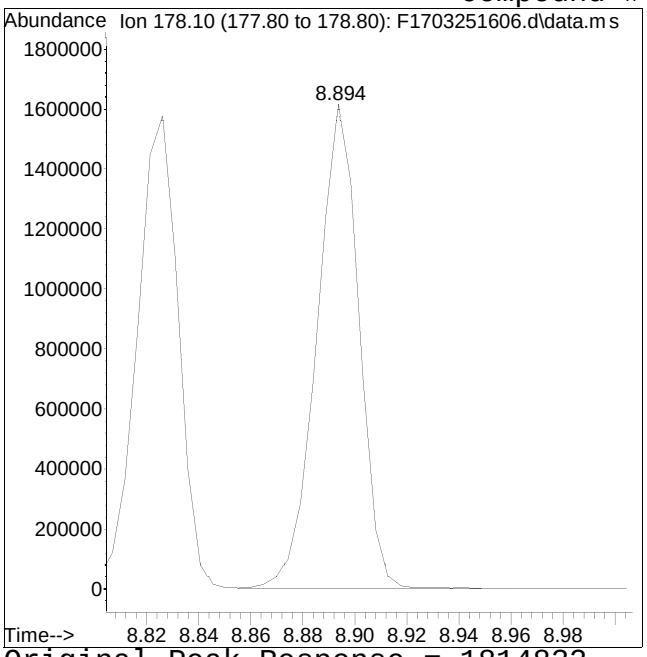
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

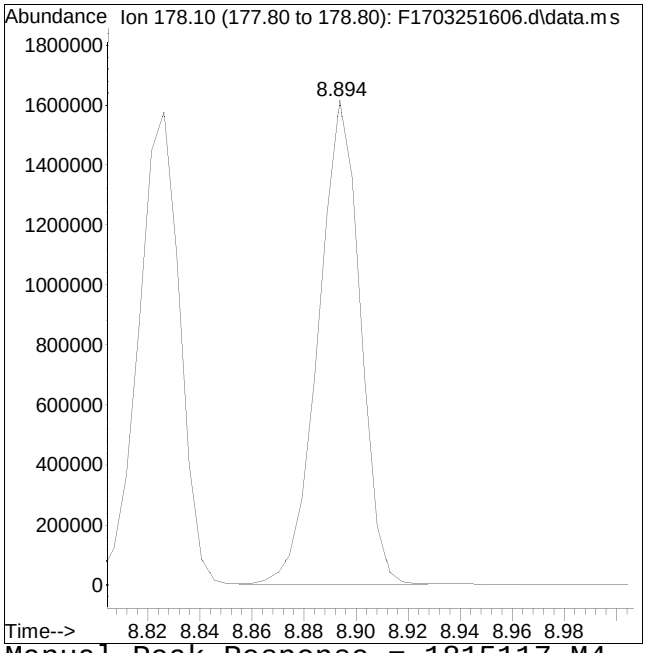
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251606.d
Date Inj'd : 3/25/2016 7:28 pm
Sample : I1703251604

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #72: Anthracene



Original Peak Response = 1814832



Manual Peak Response = 1815117 M4

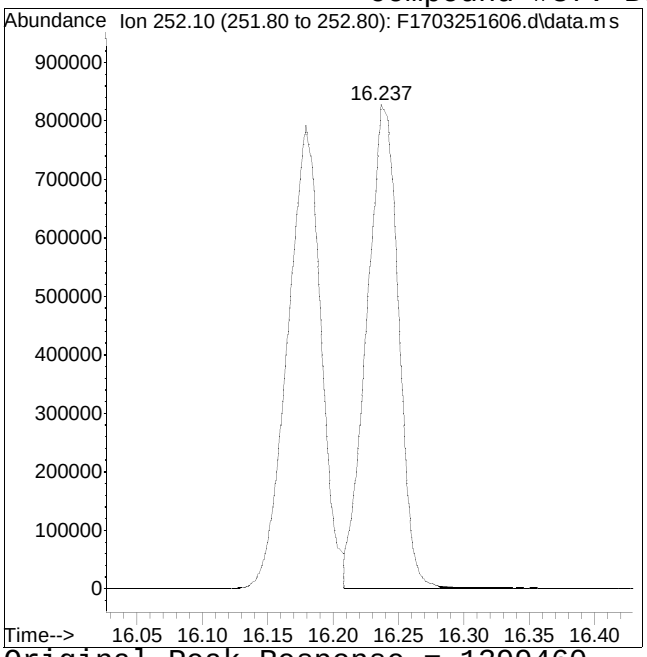
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

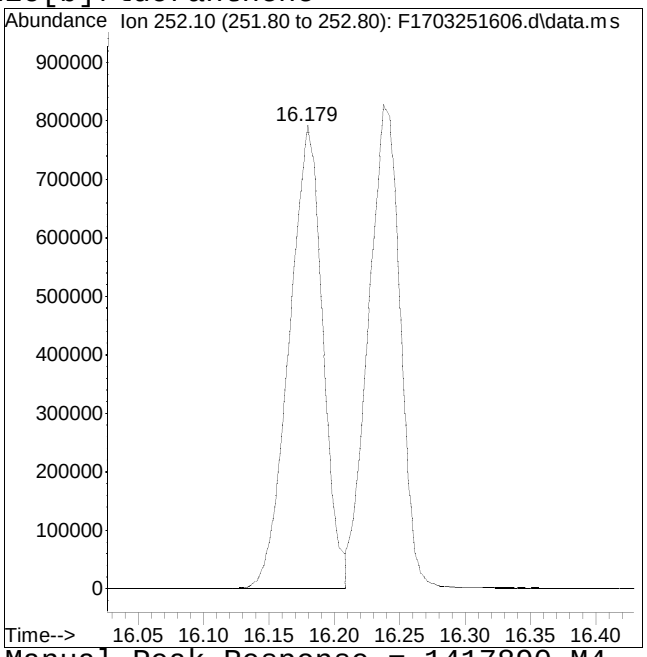
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251606.d
Date Inj'd : 3/25/2016 7:28 pm
Sample : I1703251604

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #87: Benzo[b]fluoranthene



Original Peak Response = 1399460



Manual Peak Response = 1417890 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251607.d
Acq On : 25 Mar 2016 7:57 pm
Operator : PAH17:ML
Sample : I1703251605
Misc : WG877746,MSAI31
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 11:01:39 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.305	152	484111	5.000	ug/mL	0.00
21) Naphthalene-d8	5.455	136	1998351	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.141	164	964559	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.792	188	1764105	5.000	ug/mL	0.00
76) Chrysene-d12	13.800	240	1463652	5.000	ug/mL	0.00
85) Perylene-d12	16.935	264	1360833	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.250	112	1225567	8.359	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 41.80%			
8) Phenol-d5	3.987	99	1496923	7.719	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 38.59%			
22) Nitrobenzene-d5	4.796	82	1201456	7.584	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 37.92%			
43) 2-Fluorobiphenyl	6.496	172	2166864	8.337	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 41.69%#			
65) 2,4,6-Tribromophenol	7.945	330	183838	8.873	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 44.37%			
79) Terphenyl-d14	11.571	244	1997116	8.558	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 42.79%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.340	74	751211M4	8.210	ug/mL	
3) Pyridine	2.340	79	1349752M4	8.188	ug/mL	
5) Benzaldehyde	0.000		0	N.D.		
6) Aniline	4.025	93	1799330M4	7.599	ug/ml	
7) bis(2-Chloroethyl)ether	4.078	63	848199M4	6.410	ug/mL	
9) Phenol	3.996	94	1587099	7.640	ug/mL	93
10) 2-Chlorophenol	4.122	128	1310651	8.574	ug/mL	94
11) 1,3-Dichlorobenzene	4.252	146	1306133	7.941	ug/mL	99
12) 1,4-Dichlorobenzene	4.319	146	1313675	8.017	ug/mL	99
13) 1,2-Dichlorobenzene	4.449	146	1244871	8.018	ug/mL	99
14) Benzyl alcohol	4.425	108	879274	8.334	ug/mL	96
15) bis(2-chloroisopropyl)eth	4.545	45	1630923	5.355	ug/mL#	88
16) 2-Methylphenol	4.516	108	1086095	7.789	ug/mL	100
17) Acetophenone	0.000		0	N.D. d		
18) Hexachloroethane	4.748	117	544522	8.009	ug/mL	89
19) N-Nitroso-di-n-propylamin	4.666	70	842648	7.052	ug/mL#	78
20) 4-Methylphenol	4.656	108	1114674	7.396	ug/mL	99
23) Nitrobenzene	4.815	77	1261182	7.559	ug/mL	95

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251607.d
Acq On : 25 Mar 2016 7:57 pm
Operator : PAH17:ML
Sample : I1703251605
Misc : WG877746,MSAI31
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 11:01:39 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.037	82	2042521	8.074	ug/mL	100
25) 2-Nitrophenol	5.104	139	657855	8.977	ug/mL	95
26) 2,4-Dimethylphenol	5.142	107	1051938	7.279	ug/mL	99
27) Benzoic acid	5.253	105	660967M4	7.278	ug/mL	
28) bis(2-Chloroethoxy)methan	5.239	93	1403364	8.070	ug/mL	99
29) 2,4-Dichlorophenol	5.321	162	956853	8.509	ug/mL	97
30) 1,2,4-Trichlorobenzene	5.402	180	995045	8.631	ug/mL	100
31) Naphthalene	5.475	128	3374943	8.276	ug/mL	100
32) 2-Chloroaniline	5.070	127	1767067	9.110	ug/ml	100
33) 4-Chloroaniline	5.528	127	1513698M4	9.314	ug/mL	
34) Hexachlorobutadiene	5.590	225	470845	8.155	ug/mL	99
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	5.995	107	1061861	7.996	ug/mL	99
37) 2-Methylnaphthalene	6.134	142	2171862	8.047	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.298	216	790865	9.093	ug/mL	99
40) Hexachlorocyclopentadiene	6.284	237	318123	5.958	ug/mL	99
41) 2,4,6-Trichlorophenol	6.409	196	629283M4	8.604	ug/mL	
42) 2,4,5-Trichlorophenol	6.438	196	641087M4	9.633	ug/mL	
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	6.601	162	2063009	8.399	ug/mL	98
46) 2-Nitroaniline	6.707	65	628866	6.880	ug/mL	90
47) Acenaphthylene	7.006	152	3319268	8.219	ug/mL	100
48) Dimethylphthalate	6.900	163	2258745	8.284	ug/mL	99
49) 2,6-Dinitrotoluene	6.953	165	539956	8.981	ug/mL	98
50) Acenaphthene	7.175	153	2119554	7.888	ug/mL	99
51) 3-Nitroaniline	7.112	138	632647	8.738	ug/mL	97
52) 2,4-Dinitrophenol	7.218	184	235580	6.837	ug/mL#	93
53) Dibenzofuran	7.343	168	2545123	7.848	ug/mL	99
54) 2,3,4,6-Tetrachlorophenol	7.468	232	407647	8.564		98
55) 2,4-Dinitrotoluene	7.343	165	668677	8.551	ug/mL#	83
56) 4-Nitrophenol	7.285	109	312519	7.122	ug/mL	95
57) Fluorene	7.690	166	2200870	8.264	ug/mL	98
58) 4-Chlorophenyl-phenylethe	7.699	204	973523	8.521	ug/mL	99
59) Diethylphthalate	7.598	149	2352430	8.300	ug/mL	99
60) 4-Nitroaniline	7.723	138	689027	9.101	ug/mL	93
62) 4,6-Dinitro-2-methylpheno	7.757	198	377851	7.765	ug/mL#	100
63) Azobenzene	7.868	182	707973	8.544	ug/mL	99
64) n-Nitrosodiphenylamine	7.825	169	1670399	8.410	ug/mL	99
66) 4-Bromophenyl-phenylether	8.243	248	516009	8.456	ug/mL	96
67) Hexachlorobenzene	8.301	284	498651	8.617	ug/mL	95
68) Atrazine	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251607.d
Acq On : 25 Mar 2016 7:57 pm
Operator : PAH17:ML
Sample : I1703251605
Misc : WG877746,MSAI31
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 11:01:39 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	8.552	266	331761	7.104	ug/mL	98
70) Pentachloronitrobenzene	8.571	237	216440	8.383	ug/ml	100
71) Phenanthrene	8.831	178	3345877	7.997	ug/mL	100
72) Anthracene	8.898	178	3447944M4	8.244	ug/mL	
73) Carbazole	9.139	167	3253330	8.304	ug/mL	99
74) Di-n-butylphthalate	9.751	149	3950187	8.659	ug/mL	99
75) Fluoranthene	10.747	202	3479951	8.368	ug/mL	97
77) Benzidine	0.000		0	N.D.	d	
78) Pyrene	11.162	202	3603094	8.527	ug/mL	95
80) Butylbenzylphthalate	12.741	149	1852212	9.037	ug/mL	100
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
82) Benz[a]anthracene	13.776	228	3032481	8.489	ug/mL	100
83) Chrysene	13.863	228	2967274	8.512	ug/mL	99
84) bis(2-Ethylhexyl)phthalat	14.205	149	2485912	9.555	ug/mL	96
86) Di-n-octylphthalate	15.751	149	4389598	8.872	ug/mL	99
87) Benzo[b]fluoranthene	16.189	252	2813591M4	8.102	ug/mL	
88) Benzo[k]fluoranthene	16.256	252	2762449	8.253	ug/mL	98
89) Benzo[a]pyrene	16.829	252	2719563	8.285	ug/mL	98
90) Indeno[1,2,3-cd]pyrene	18.779	276	2364187	8.638	ug/mL	96
91) Dibenz[a,h]anthracene	18.837	278	2342085	8.575	ug/mL	95
92) Benzo[g,h,i]perylene	19.169	276	2420504	8.838	ug/mL	95

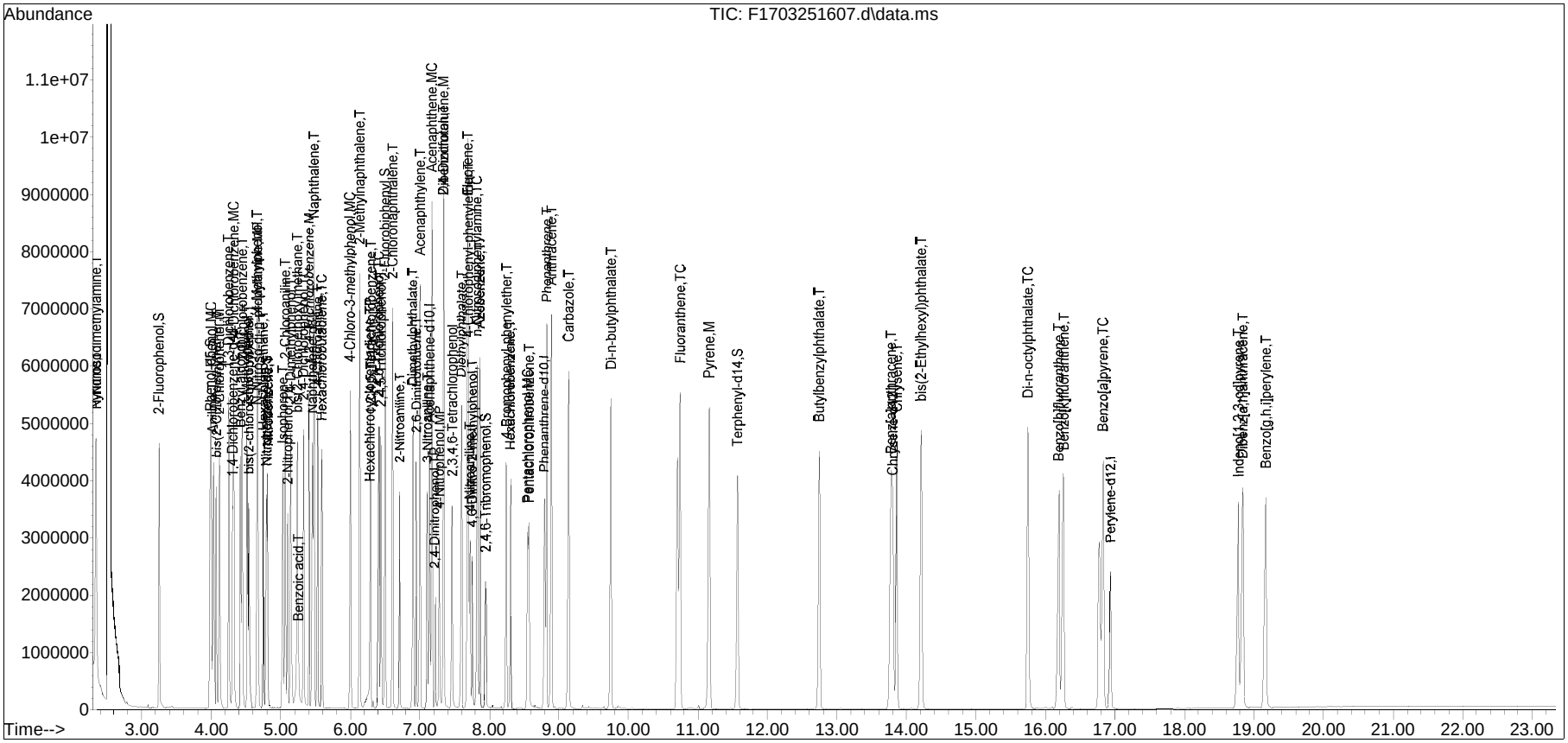
(#) = qualifier out of range (m) = manual integration (+) = signals summed

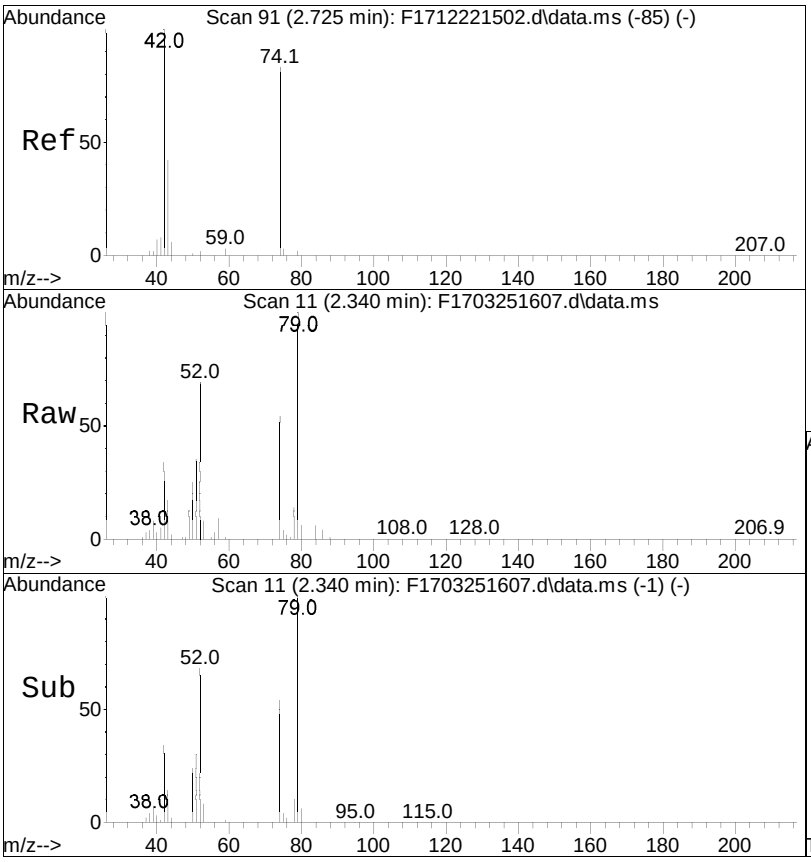
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251607.d
Acq On : 25 Mar 2016 7:57 pm
Operator : PAH17:ML
Sample : I1703251605
Misc : WG877746,MSAI31
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 11:01:39 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

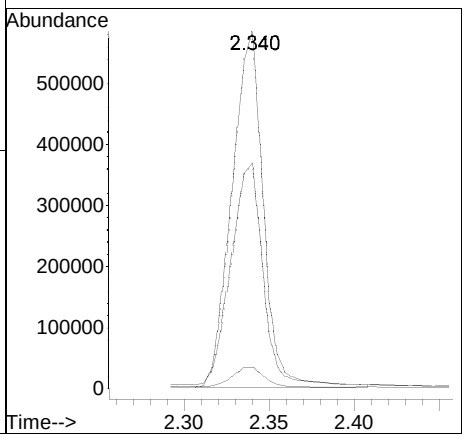


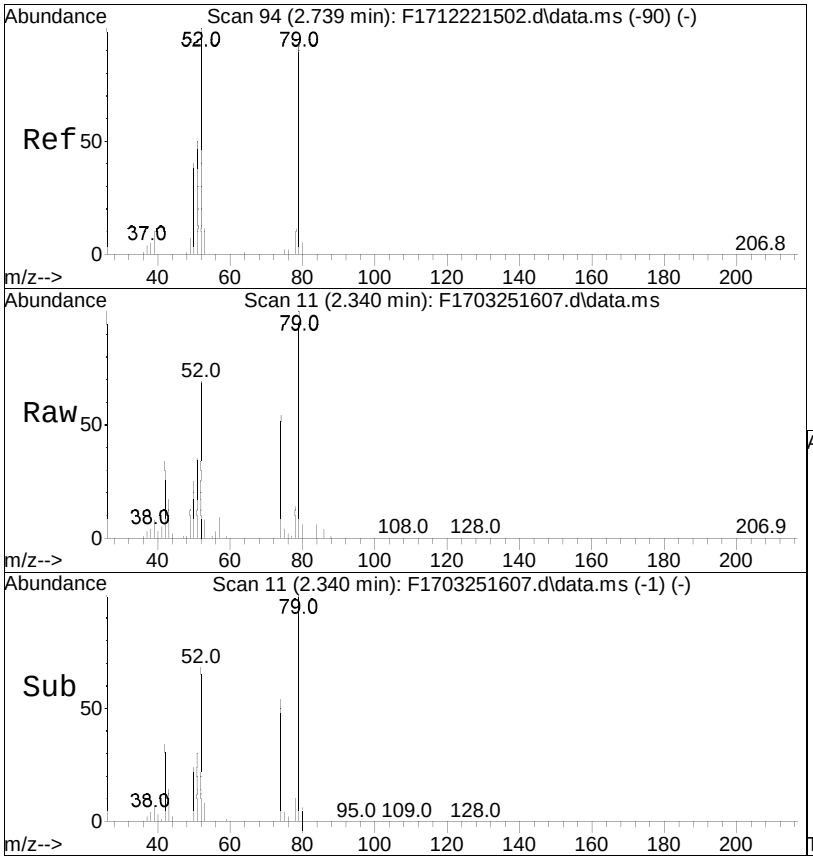


#2
N-Nitrosodimethylamine
Concen: 8.21 ug/mL M4
RT: 2.340 min Scan# 11
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion: 74 Resp: 751211

Ion	Ratio	Lower	Upper
74	100		
42	64.5	77.9	116.9#
40	5.8	5.4	8.2

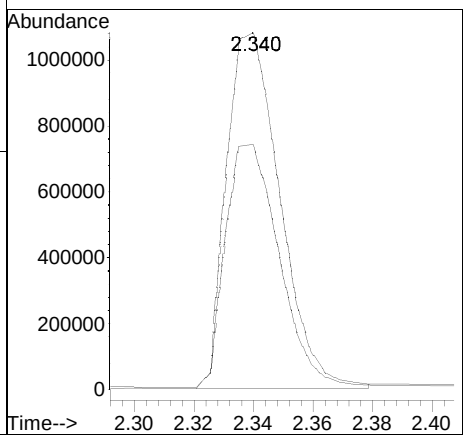


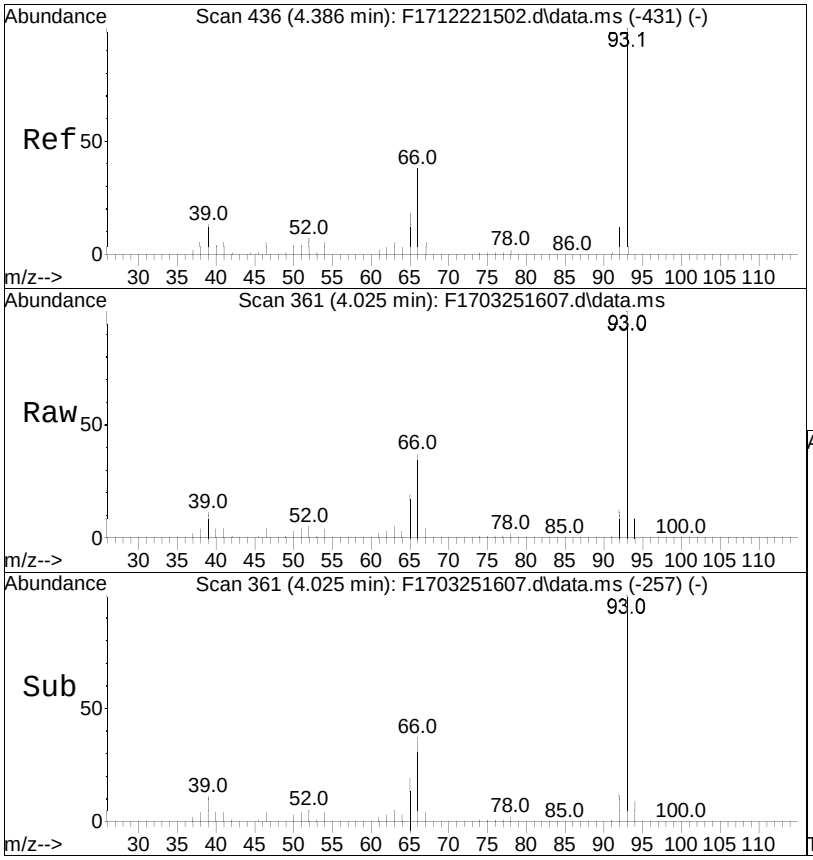


#3
Pyridine
Concen: 8.19 ug/mL M4
RT: 2.340 min Scan# 11
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion: 79 Resp: 1349752

Ion	Ratio	Lower	Upper
79	100		
52	69.3	78.2	117.2#

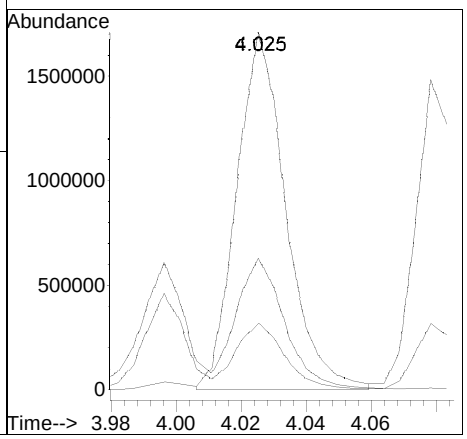


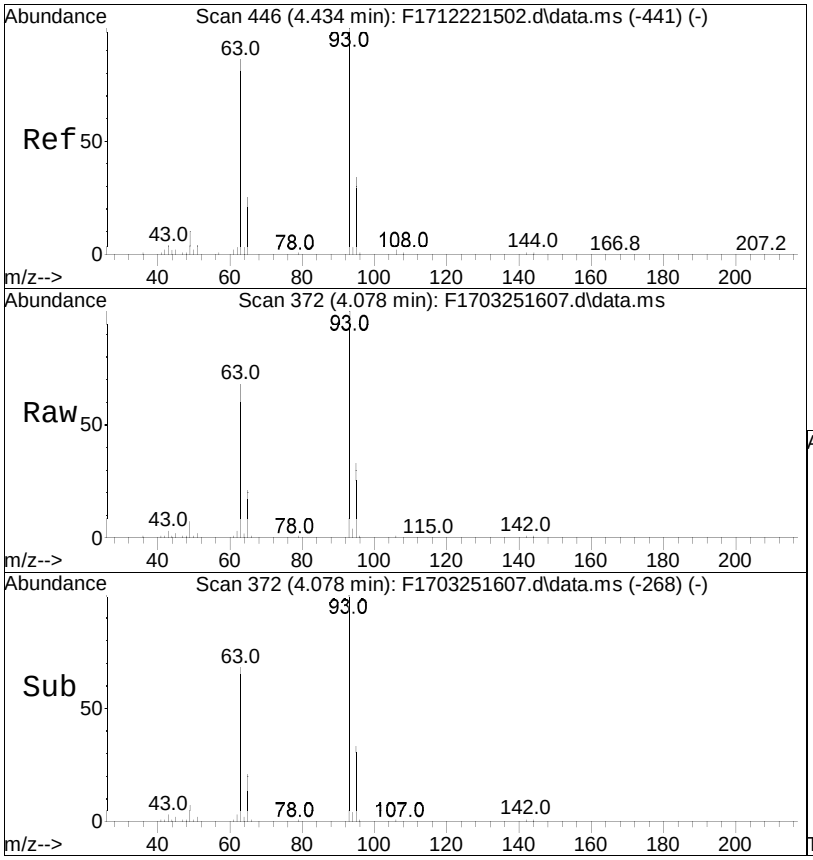


#6
Aniline
Concen: 7.60 ug/ml M4
RT: 4.025 min Scan# 361
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion: 93 Resp: 1799330

Ion	Ratio	Lower	Upper
93	100		
66	35.7	230.5	345.7#
65	18.6	32.5	48.7#

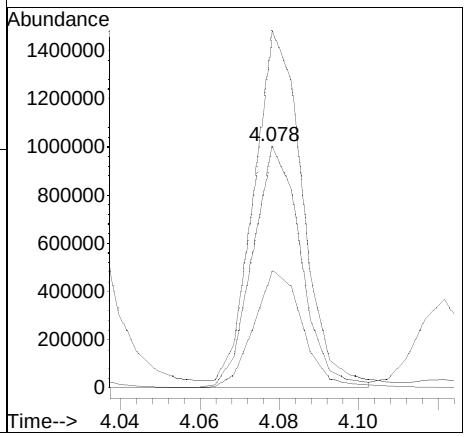


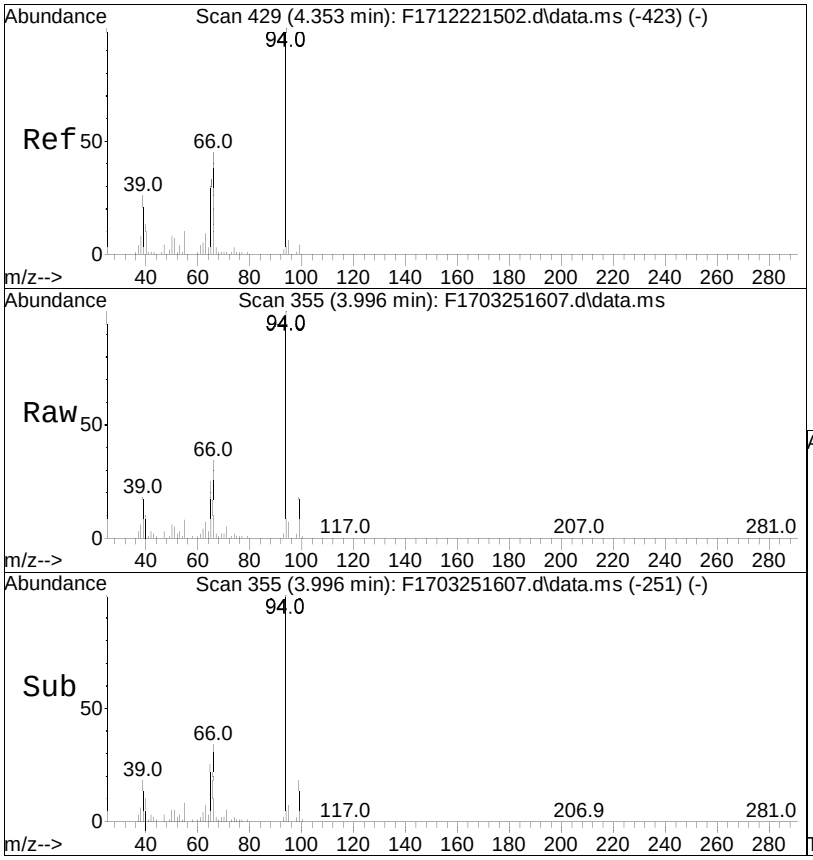


#7
bis(2-Chloroethyl)ether
Concen: 6.41 ug/mL M4
RT: 4.078 min Scan# 372
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion: 63 Resp: 848199

Ion	Ratio	Lower	Upper
63	100		
93	143.8	96.8	145.2
95	49.1	31.6	47.4#

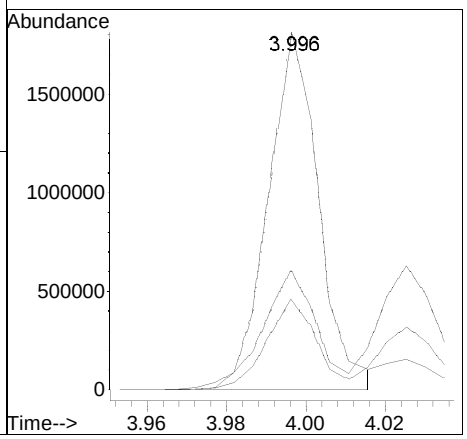


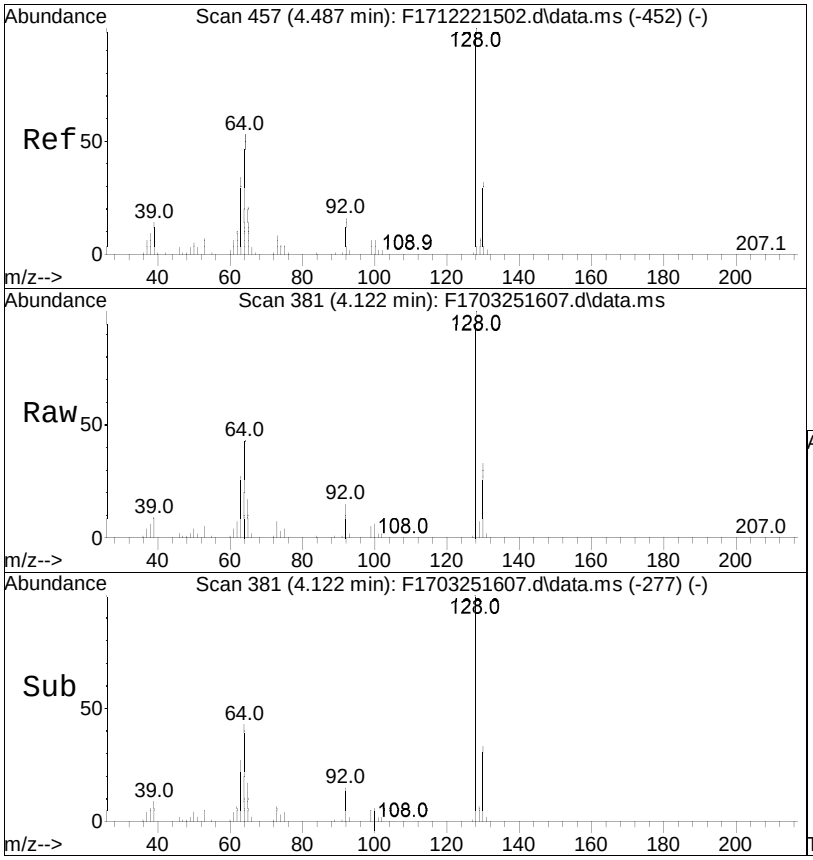


#9
Phenol
Concen: 7.64 ug/mL
RT: 3.996 min Scan# 355
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion: 94 Resp: 1587099

Ion	Ratio	Lower	Upper
94	100		
66	36.6	33.4	50.2
65	25.6	22.6	33.8

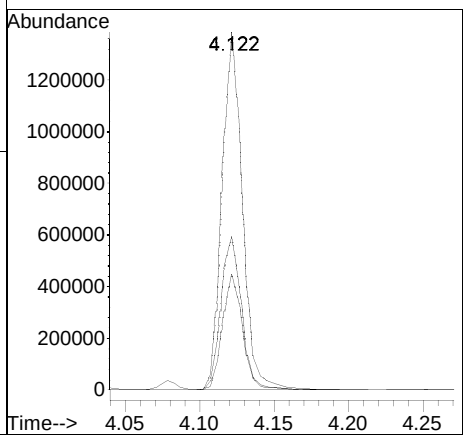


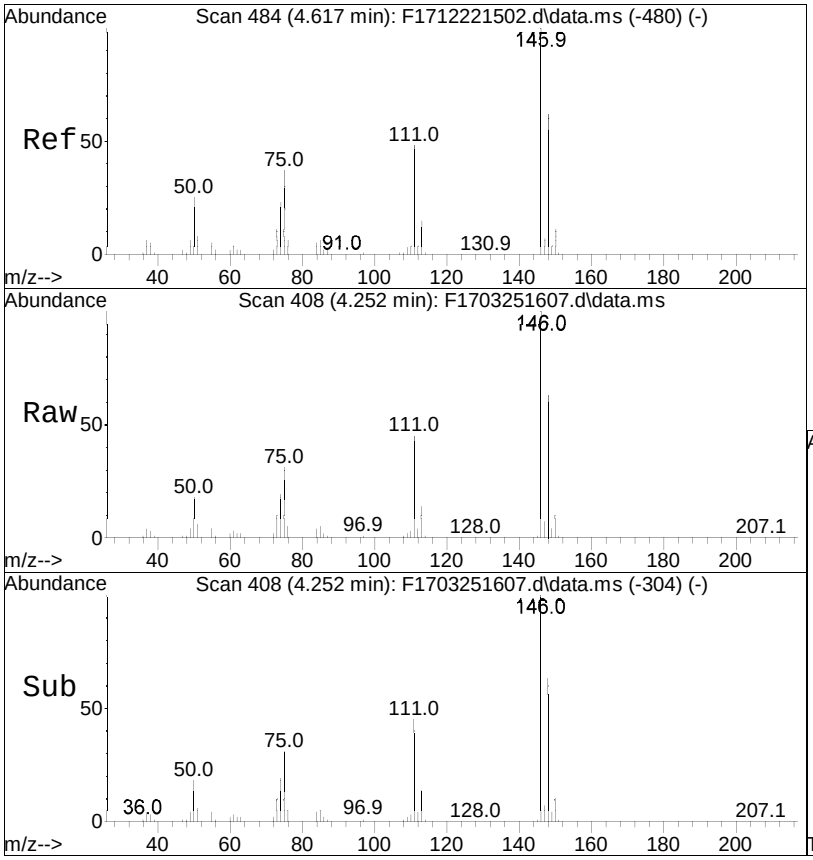


#10
2-Chlorophenol
Concen: 8.57 ug/mL
RT: 4.122 min Scan# 381
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:128 Resp: 1310651

Ion	Ratio	Lower	Upper
128	100		
64	43.5	40.0	60.0
130	32.2	25.8	38.6

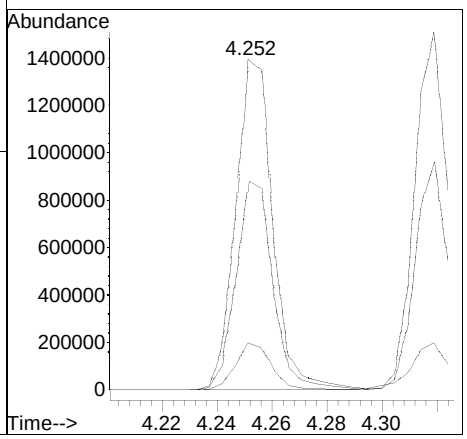


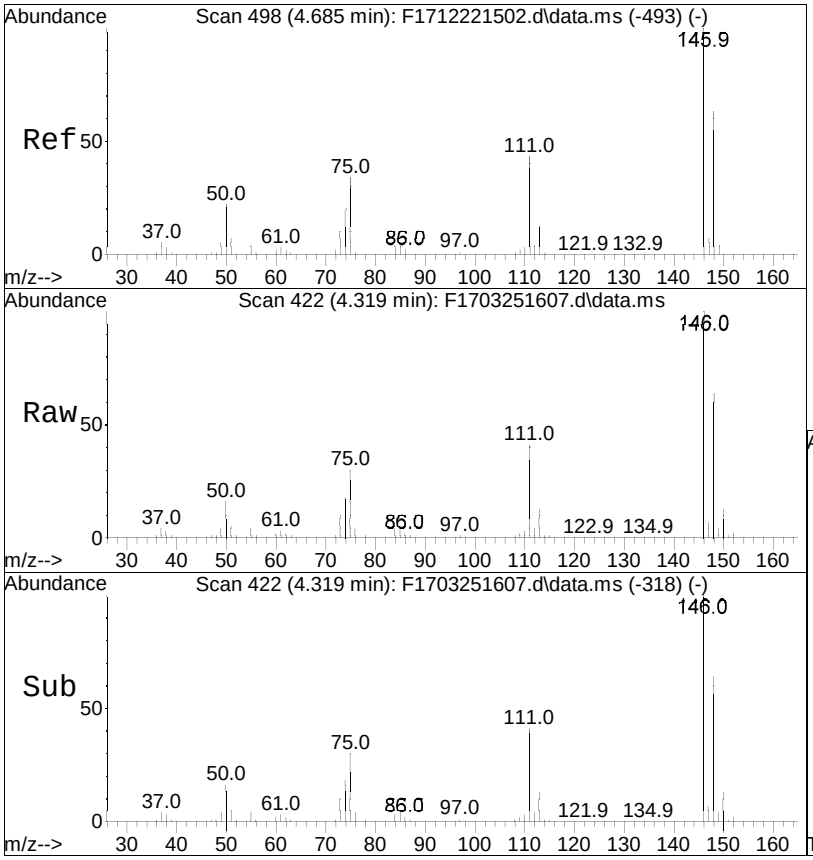


#11
1,3-Dichlorobenzene
Concen: 7.94 ug/mL
RT: 4.252 min Scan# 408
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:146 Resp: 1306133

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.5	75.7
113	13.7	10.2	15.4

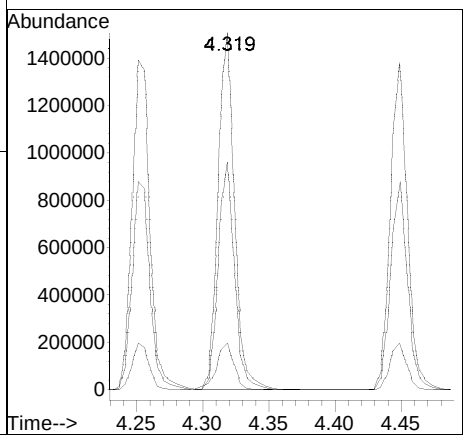


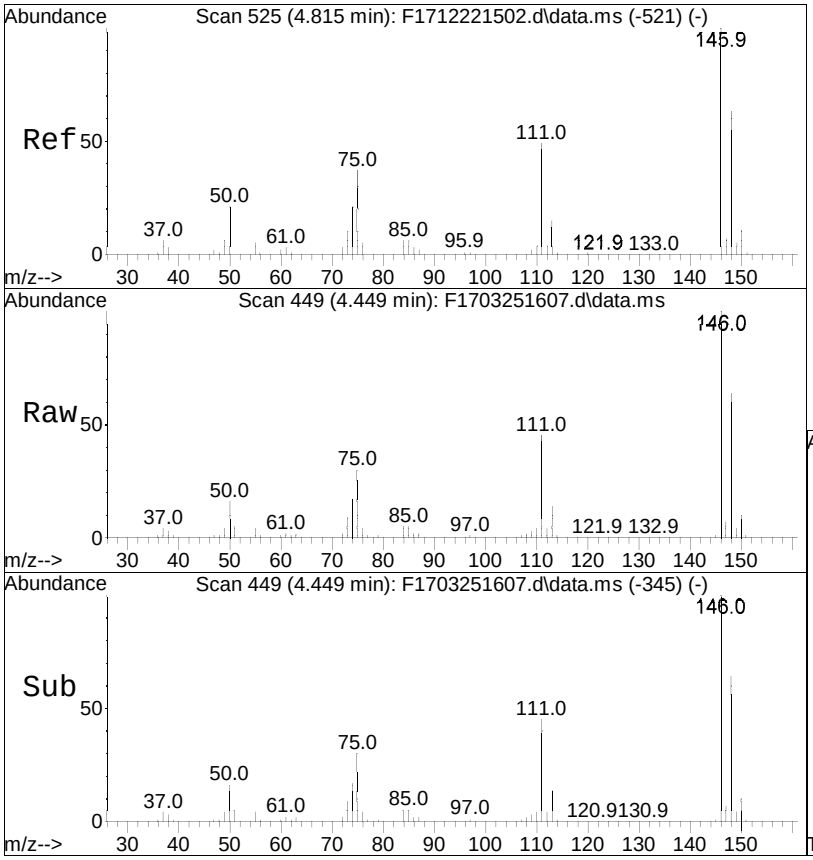


#12
1,4-Dichlorobenzene
Concen: 8.02 ug/mL
RT: 4.319 min Scan# 422
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:146 Resp: 1313675

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.0	76.6
113	14.4	10.7	16.1

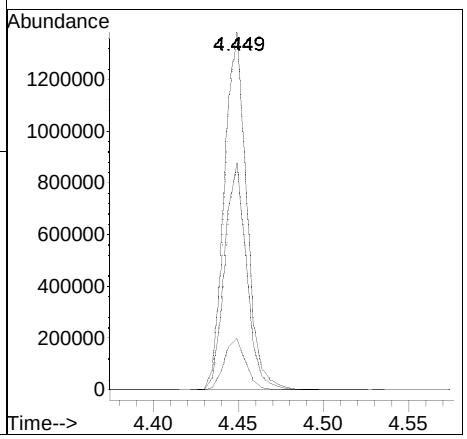


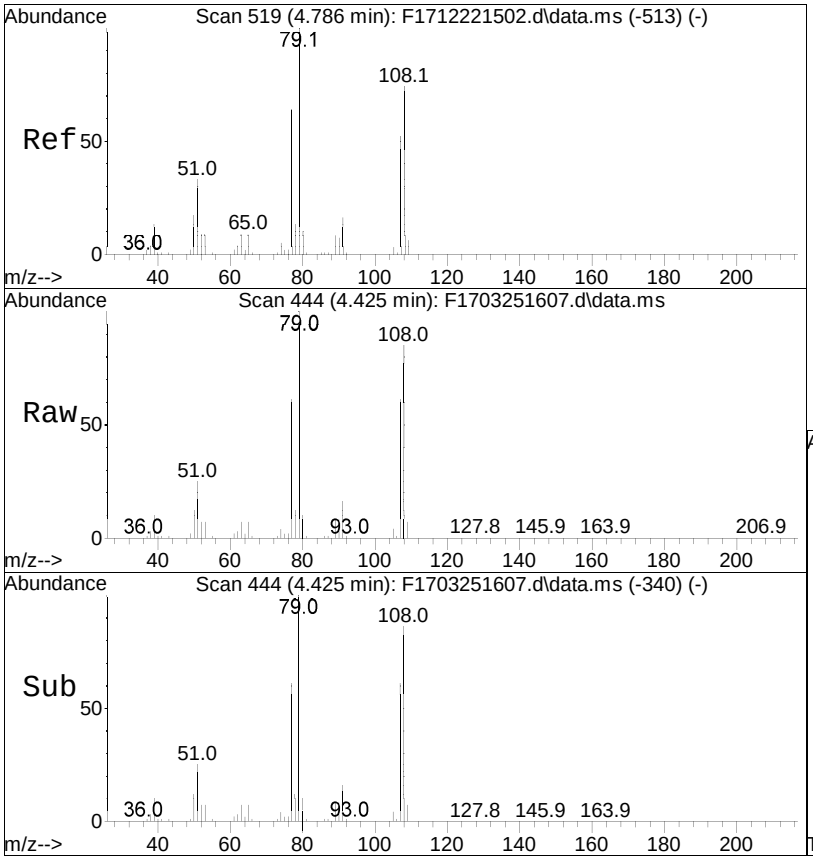


#13
1,2-Dichlorobenzene
Concen: 8.02 ug/mL
RT: 4.449 min Scan# 449
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:146 Resp: 1244871

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.8	76.2
113	14.3	10.7	16.1

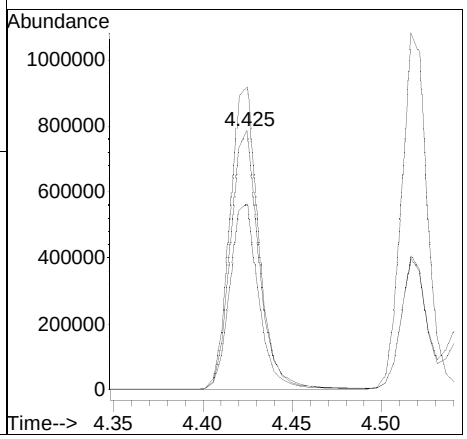


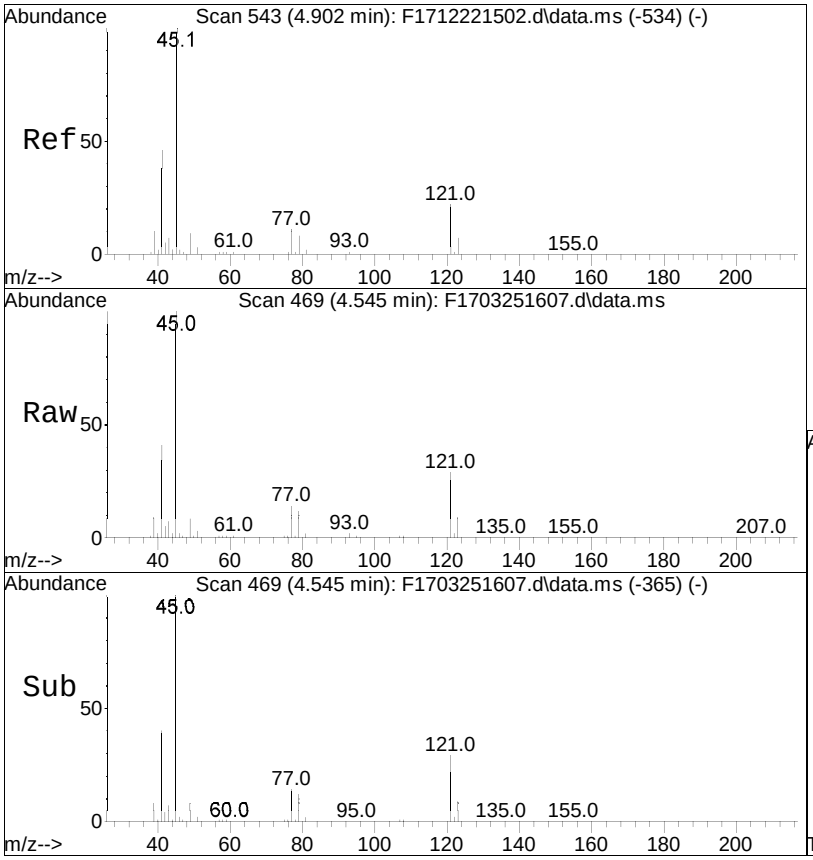


#14
Benzyl alcohol
Concen: 8.33 ug/mL
RT: 4.425 min Scan# 444
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:108 Resp: 879274

Ion	Ratio	Lower	Upper
108	100		
79	117.2	96.7	145.1
77	71.7	60.9	91.3

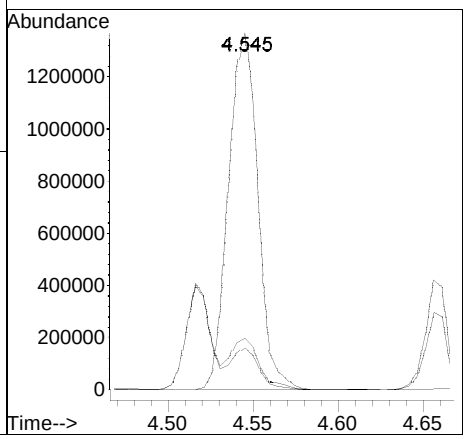


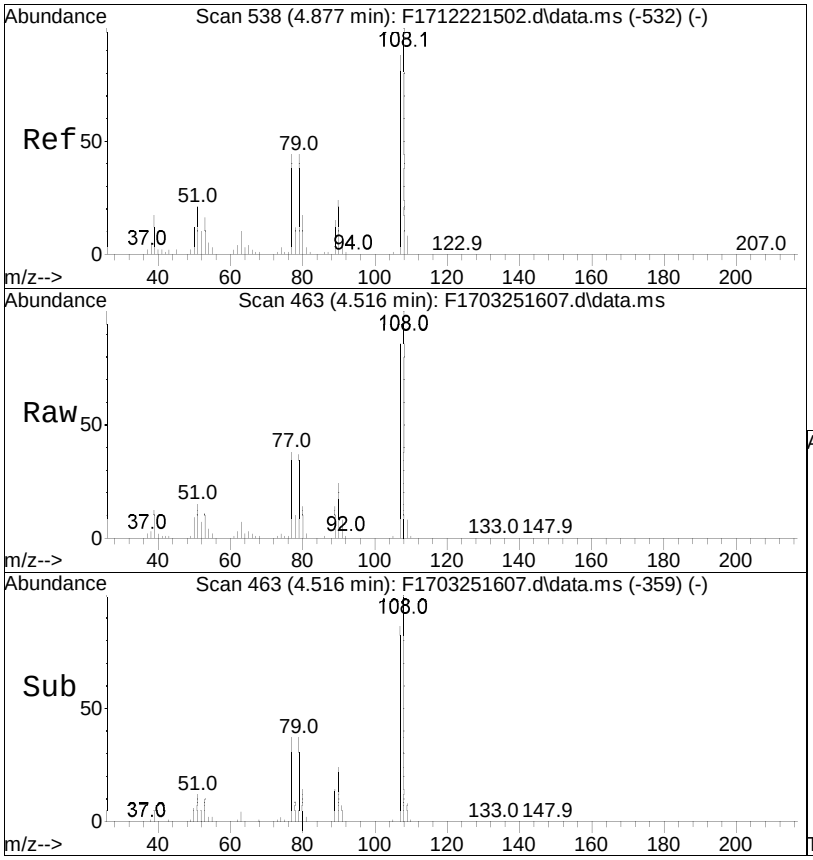


#15
bis(2-chloroisopropyl)ether
Concen: 5.36 ug/mL
RT: 4.545 min Scan# 469
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion: 45 Resp: 1630923

Ion	Ratio	Lower	Upper
45	100		
77	14.4	7.7	11.5#
79	11.2	5.8	8.8#

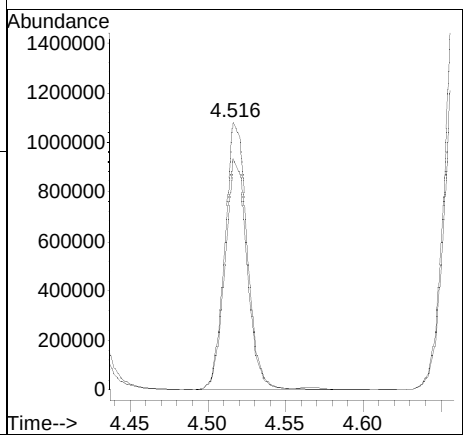


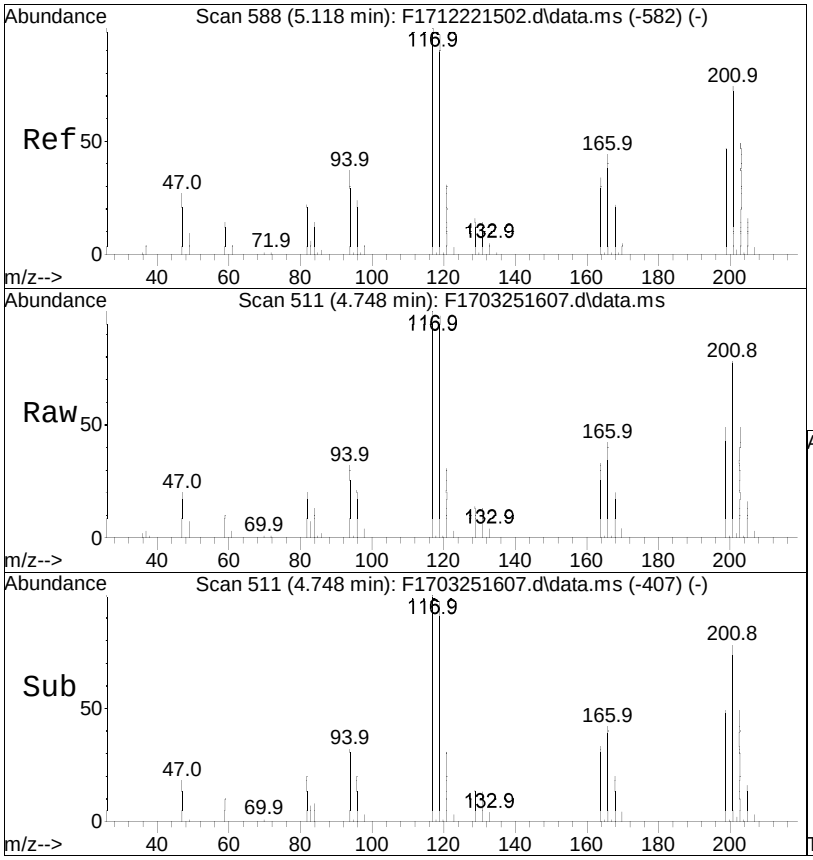


#16
2-Methylphenol
Concen: 7.79 ug/mL
RT: 4.516 min Scan# 463
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:108 Resp: 1086095

Ion	Ratio	Lower	Upper
108	100		
107	85.1	68.1	102.1

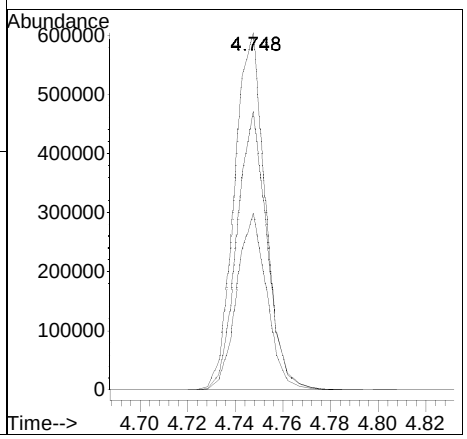


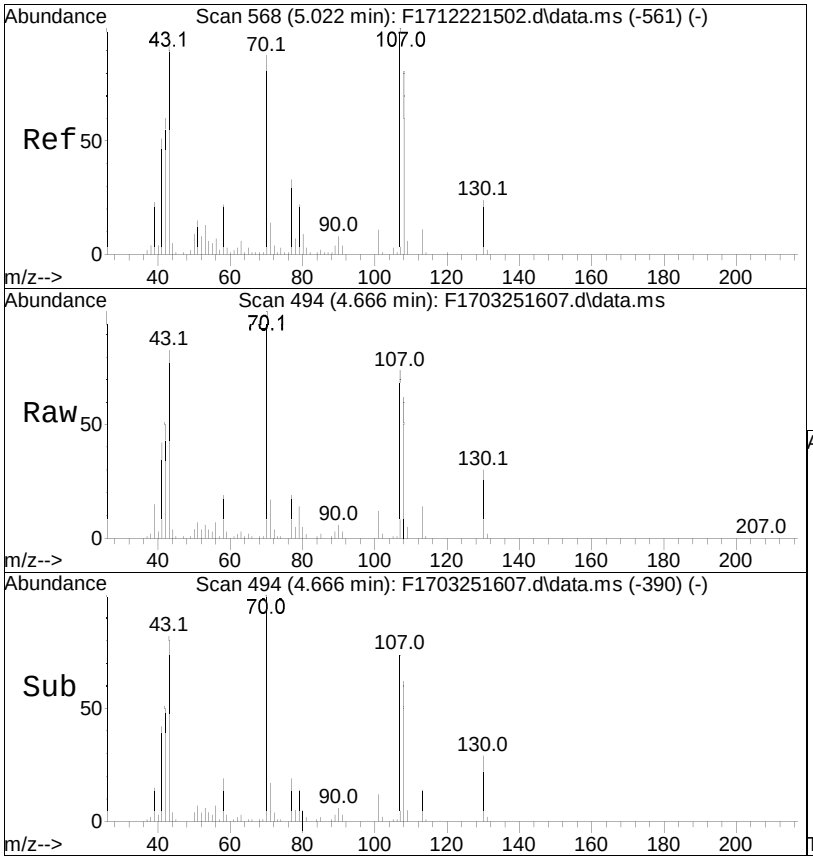


#18
Hexachloroethane
Concen: 8.01 ug/mL
RT: 4.748 min Scan# 511
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:117 Resp: 544522

Ion	Ratio	Lower	Upper
117	100		
201	75.7	69.7	104.5
199	48.2	44.3	66.5

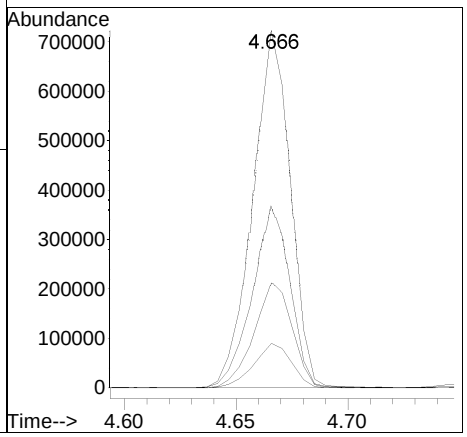


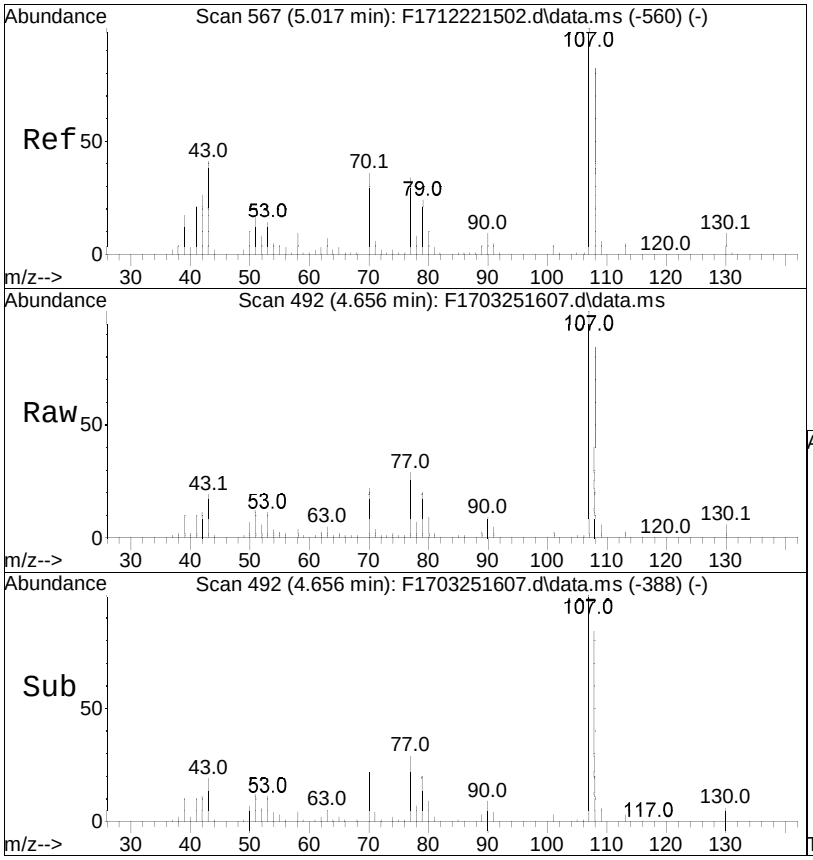


#19
N-Nitroso-di-n-propylamine
Concen: 7.05 ug/mL
RT: 4.666 min Scan# 494
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion: 70 Resp: 842648

Ion	Ratio	Lower	Upper
70	100		
42	51.0	61.4	92.0#
130	29.9	20.5	30.7
101	12.5	9.0	13.6

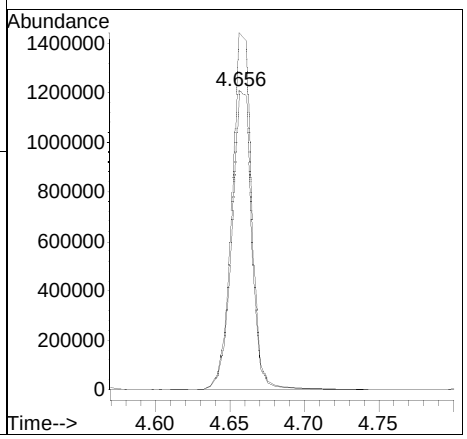


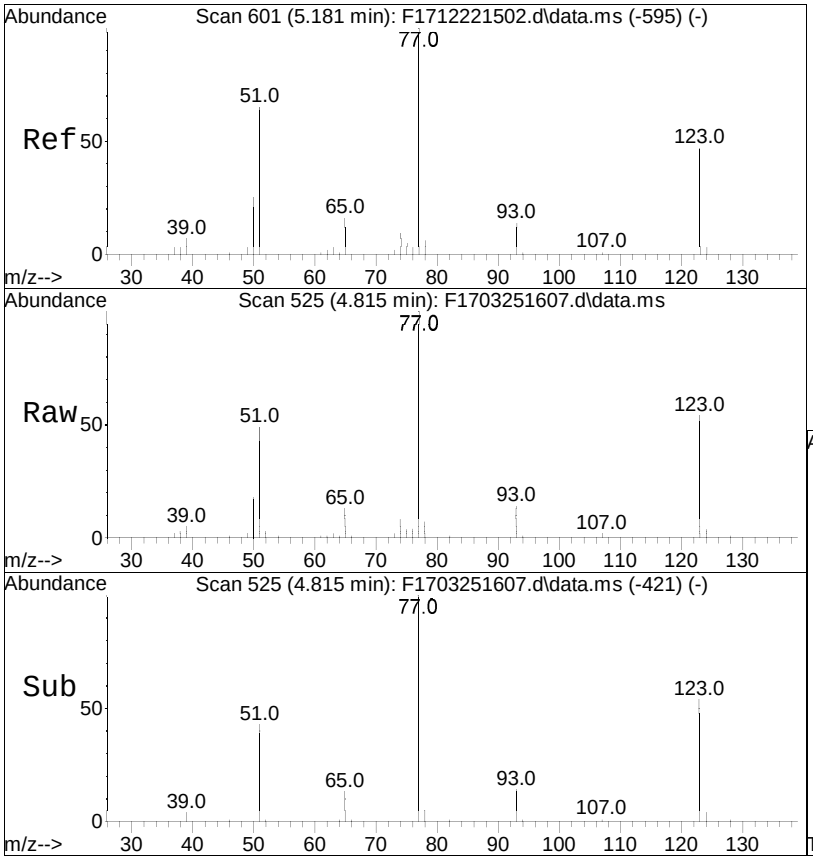


#20
4-Methylphenol
Concen: 7.40 ug/mL
RT: 4.656 min Scan# 492
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:108 Resp: 1114674

Ion	Ratio	Lower	Upper
108	100		
107	119.3	94.6	142.0

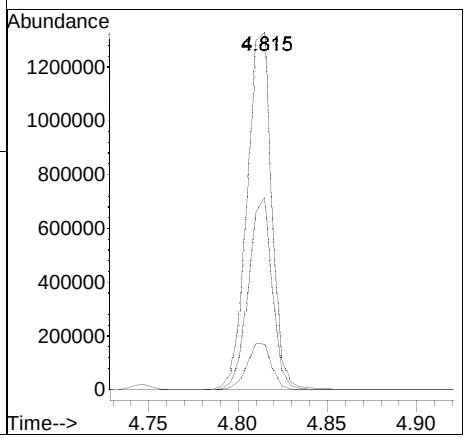


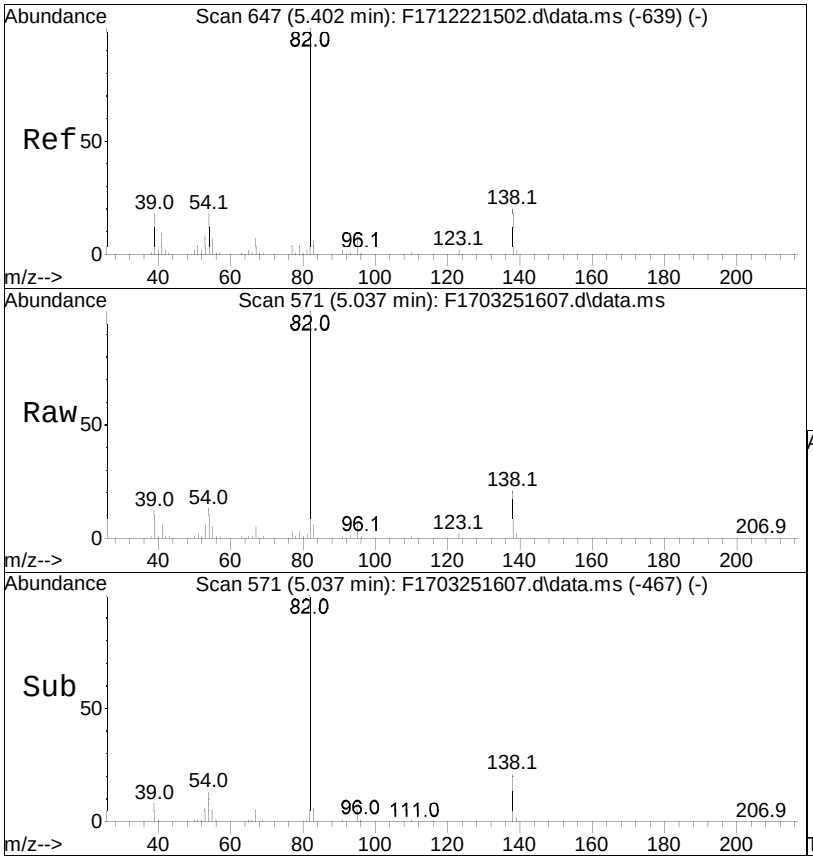


#23
Nitrobenzene
Concen: 7.56 ug/mL
RT: 4.815 min Scan# 525
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion: 77 Resp: 1261182

Ion	Ratio	Lower	Upper
77	100		
123	52.3	38.9	58.3
65	13.2	11.8	17.6

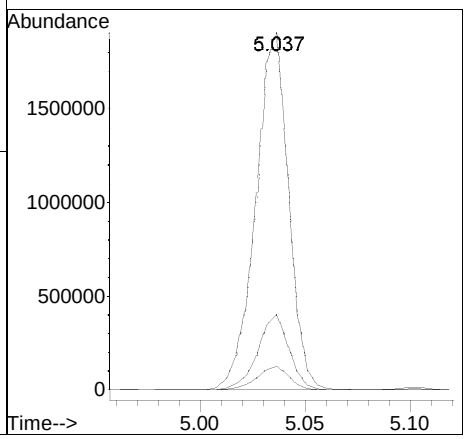


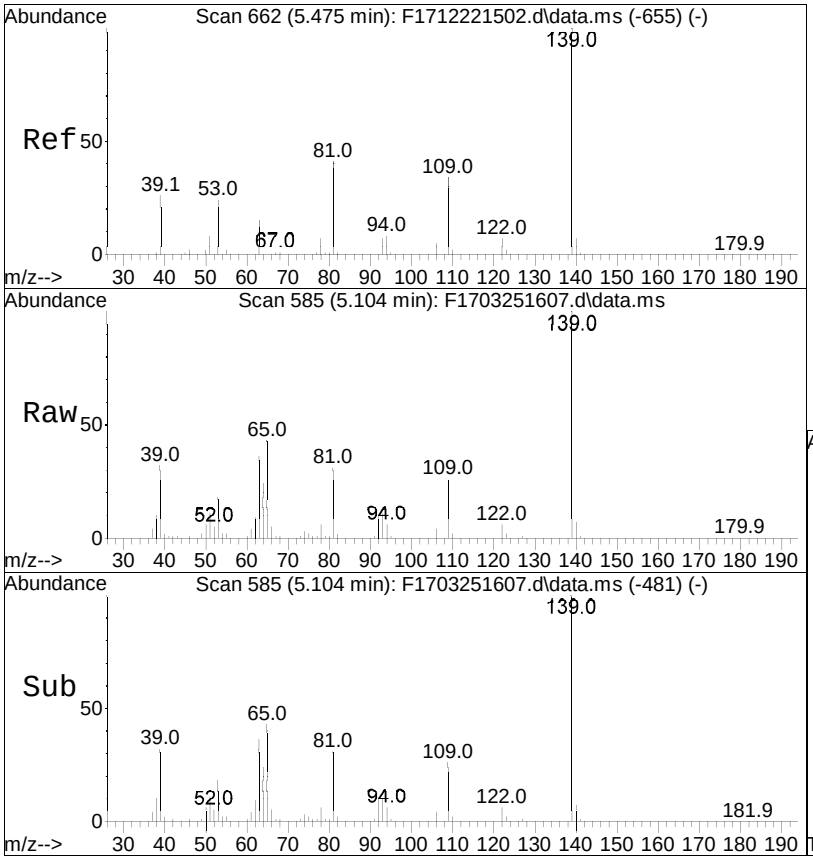


#24
Isophorone
Concen: 8.07 ug/mL
RT: 5.037 min Scan# 571
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion: 82 Resp: 2042521

Ion	Ratio	Lower	Upper
82	100		
138	20.3	16.2	24.4
95	6.6	5.6	8.4

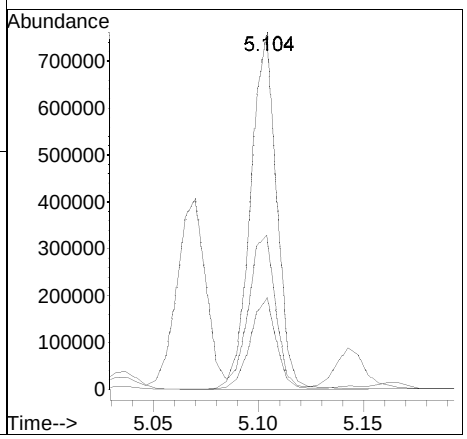


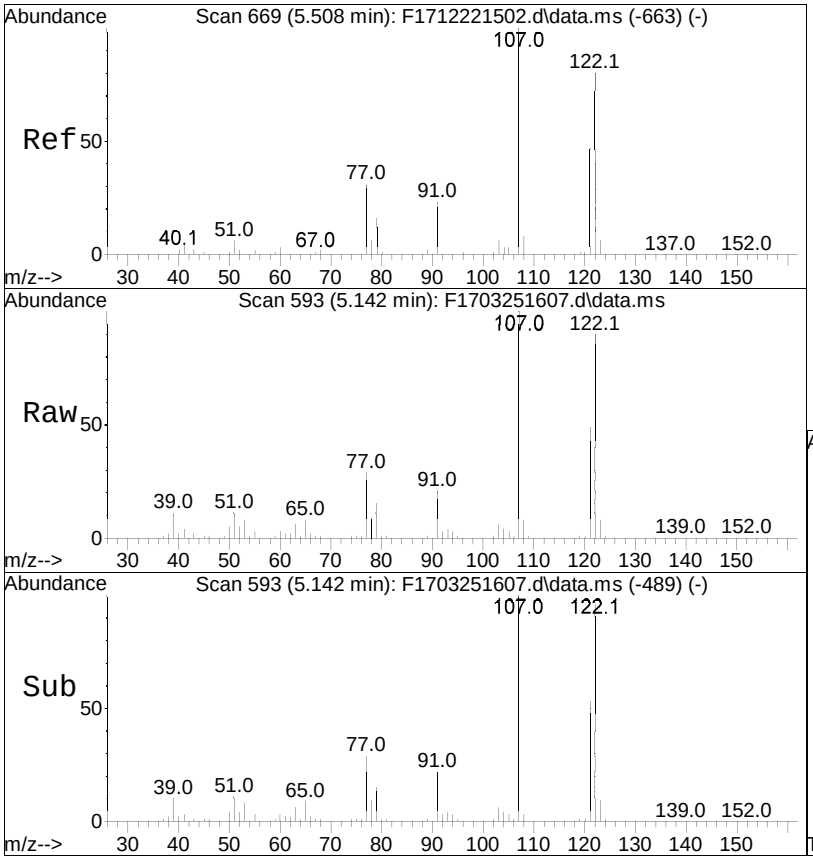


#25
2-Nitrophenol
Concen: 8.98 ug/mL
RT: 5.104 min Scan# 585
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:139 Resp: 657855

Ion	Ratio	Lower	Upper
139	100		
65	43.2	37.6	56.4
109	25.7	22.6	34.0

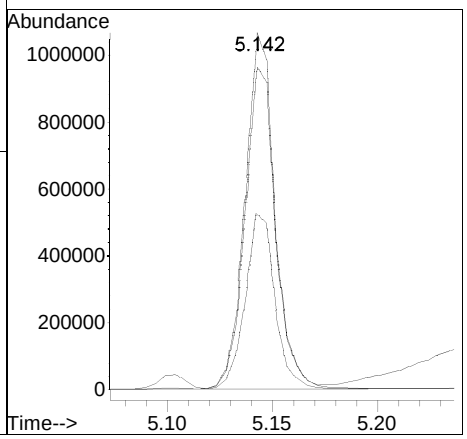


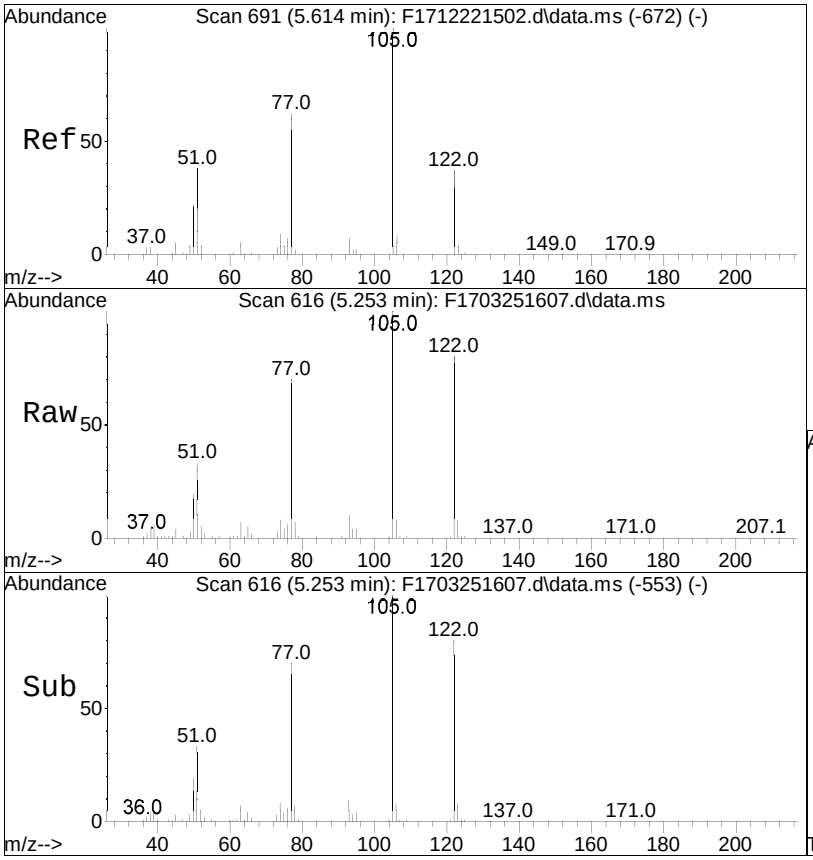


#26
2,4-Dimethylphenol
Concen: 7.28 ug/mL
RT: 5.142 min Scan# 593
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:107 Resp: 1051938

Ion	Ratio	Lower	Upper
107	100		
122	91.4	72.1	108.1
121	49.3	40.1	60.1

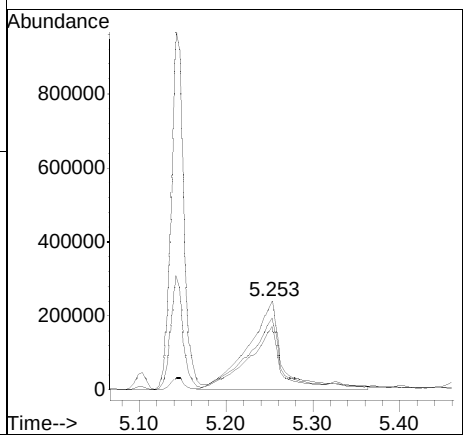


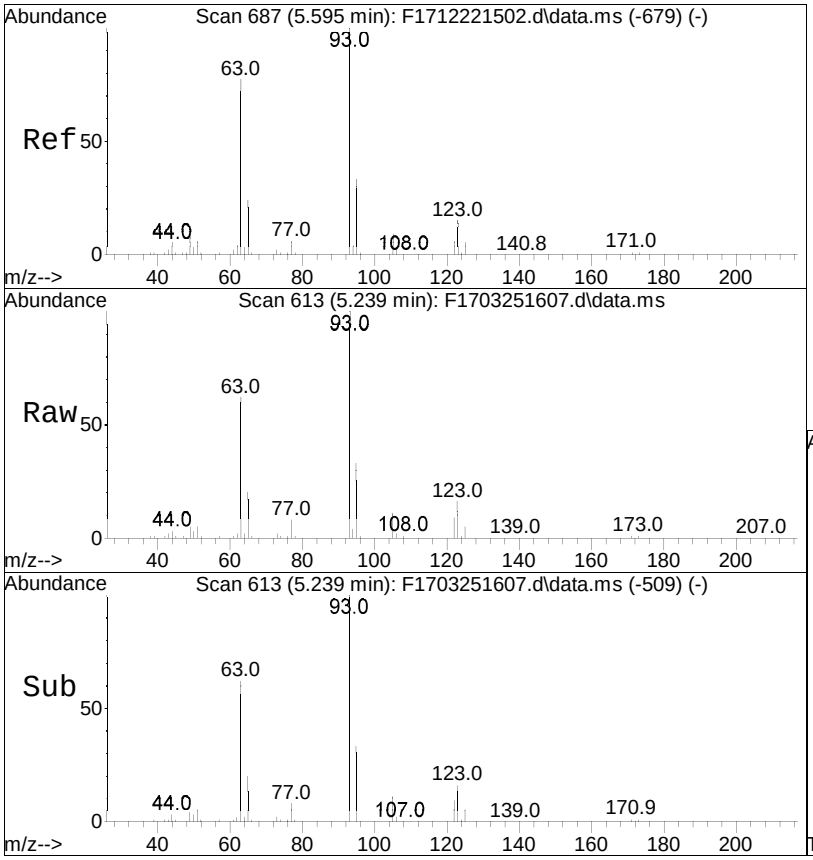


#27
Benzoic acid
Concen: 7.28 ug/mL M4
RT: 5.253 min Scan# 616
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:105 Resp: 660967

Ion	Ratio	Lower	Upper
105	100		
122	67.2	60.7	91.1
77	60.7	44.2	66.2

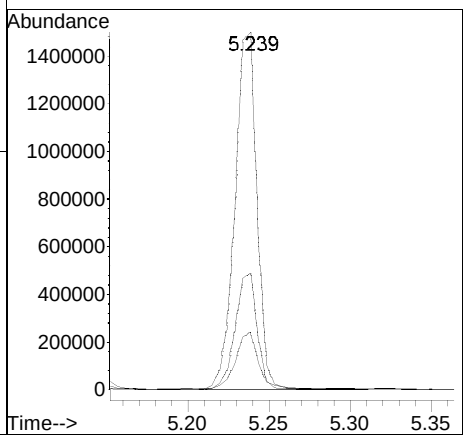


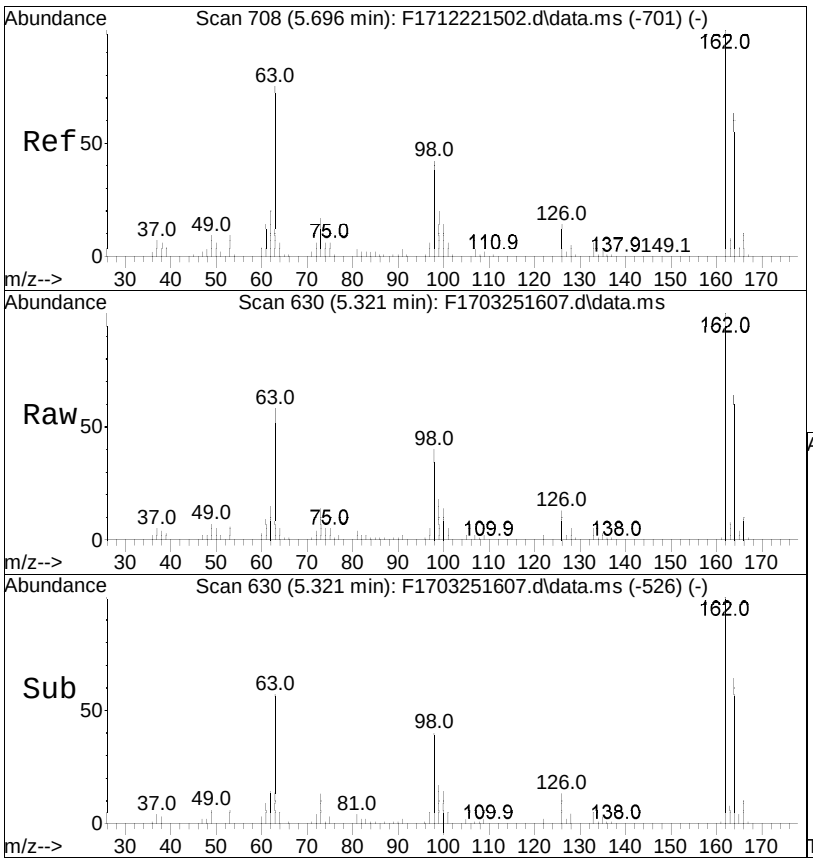


#28
bis(2-Chloroethoxy)methane
Concen: 8.07 ug/mL
RT: 5.239 min Scan# 613
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion: 93 Resp: 1403364

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.9	38.9
123	17.3	12.4	18.6

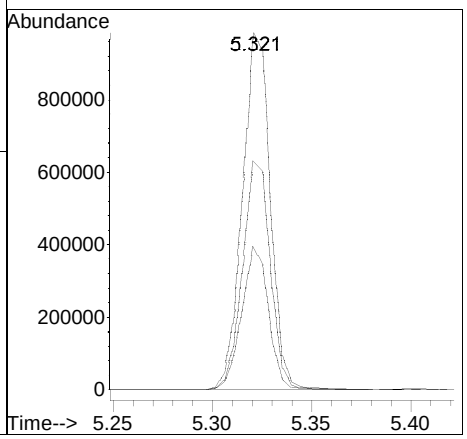


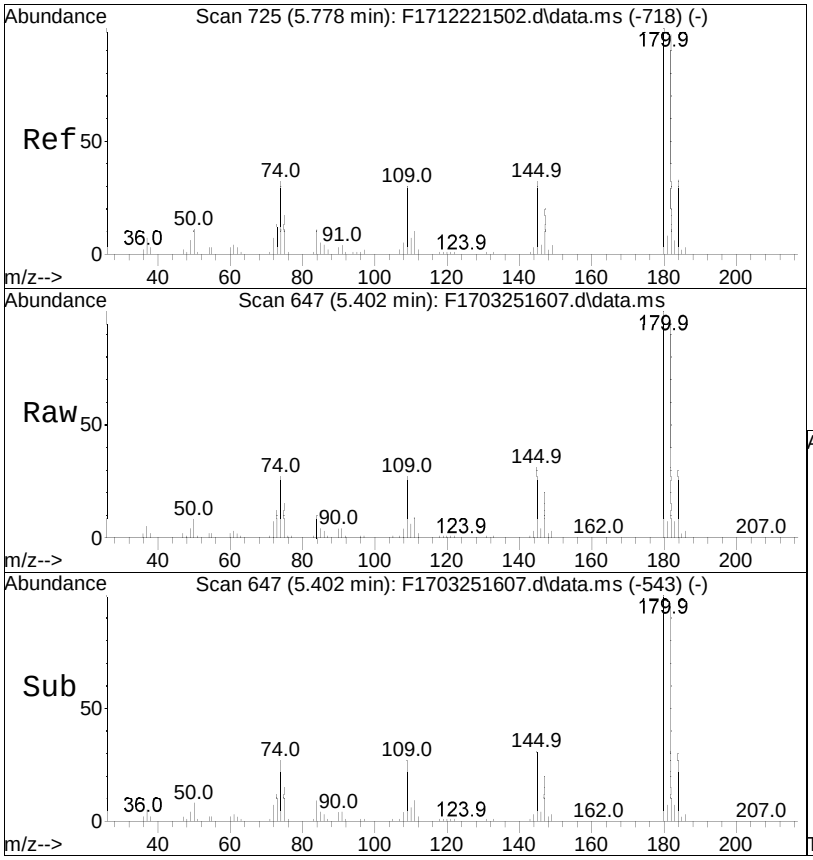


#29
2,4-Dichlorophenol
Concen: 8.51 ug/mL
RT: 5.321 min Scan# 630
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:162 Resp: 956853

Ion	Ratio	Lower	Upper
162	100		
164	64.0	50.2	75.2
98	38.6	28.6	43.0

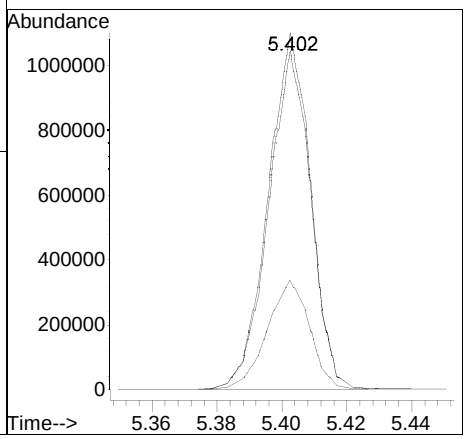


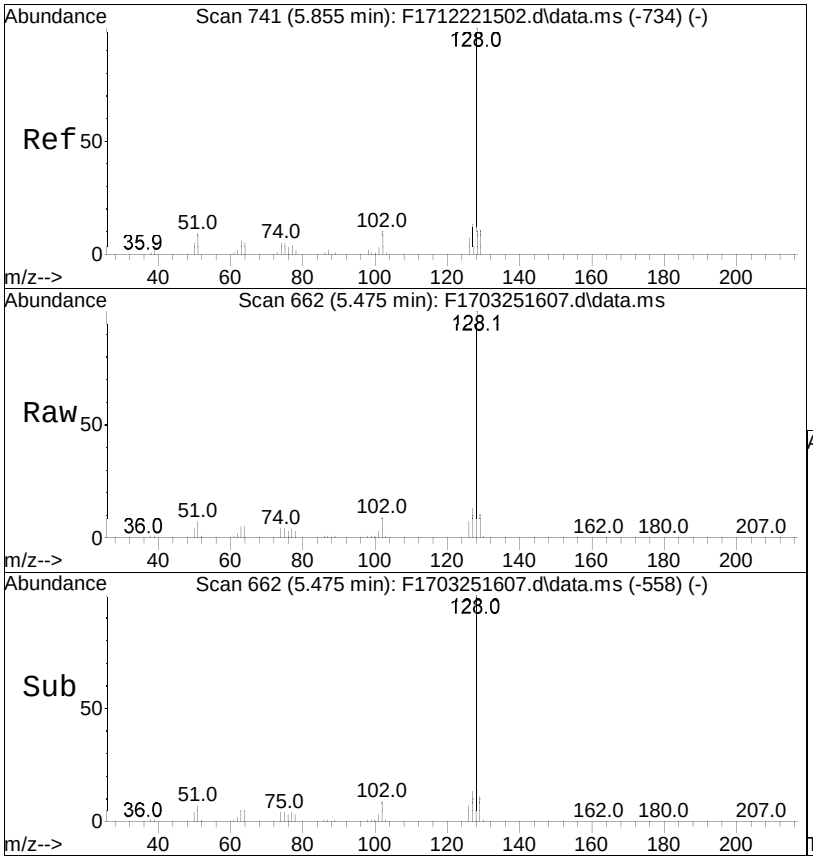


#30
1,2,4-Trichlorobenzene
Concen: 8.63 ug/mL
RT: 5.402 min Scan# 647
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:180 Resp: 995045

Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.6	113.4
145	30.8	24.3	36.5

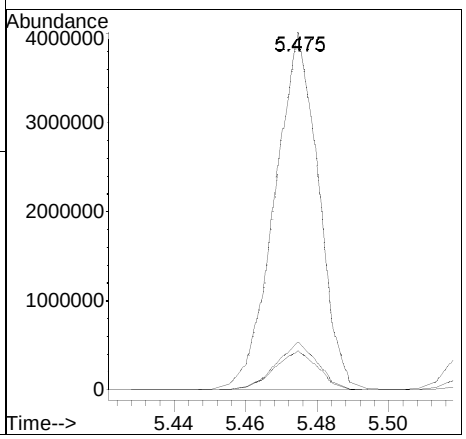


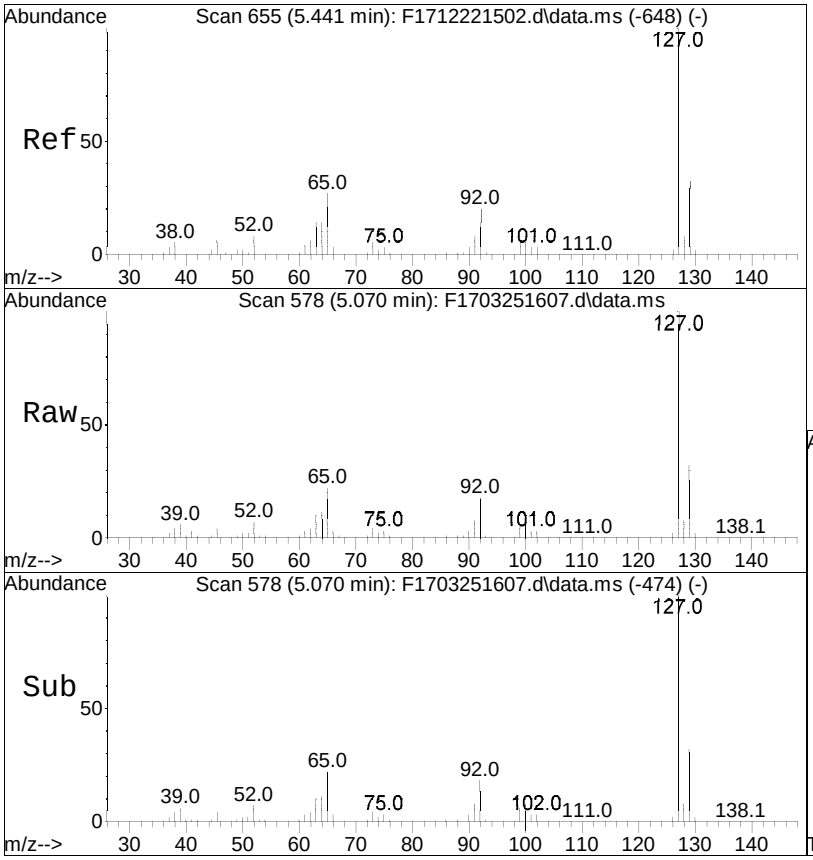


#31
Naphthalene
Concen: 8.28 ug/mL
RT: 5.475 min Scan# 662
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:128 Resp: 3374943

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.0	10.2	15.4

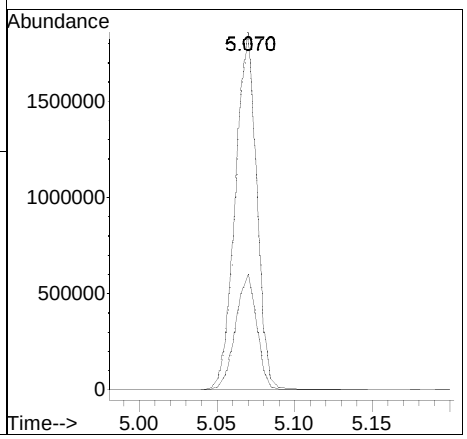


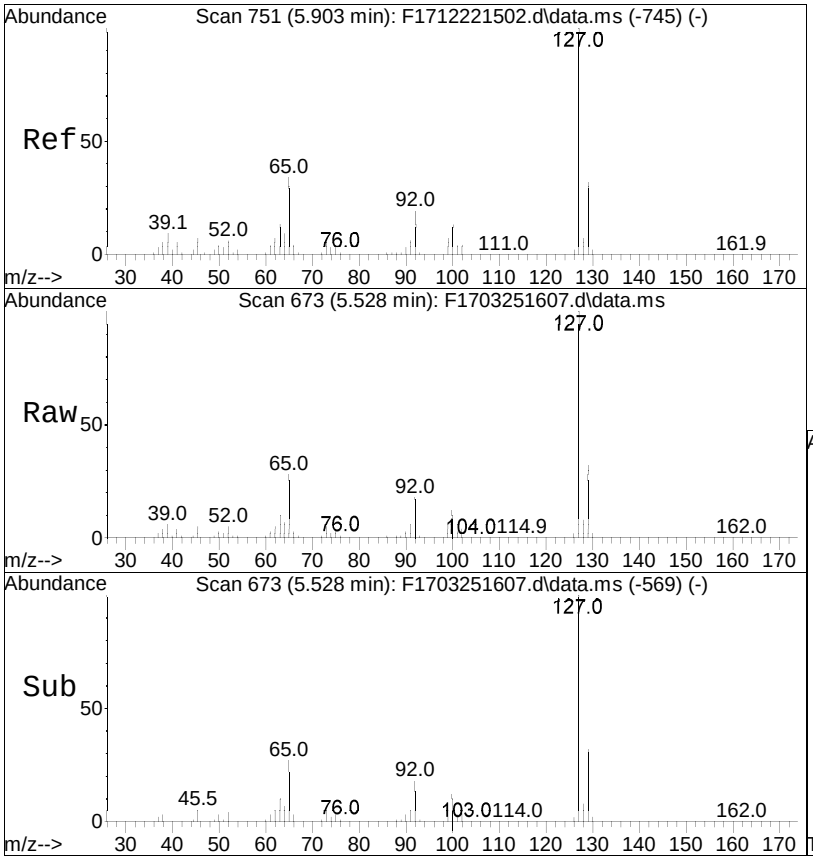


#32
2-Chloroaniline
Concen: 9.11 ug/ml
RT: 5.070 min Scan# 578
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:127 Resp: 1767067

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.7	38.5

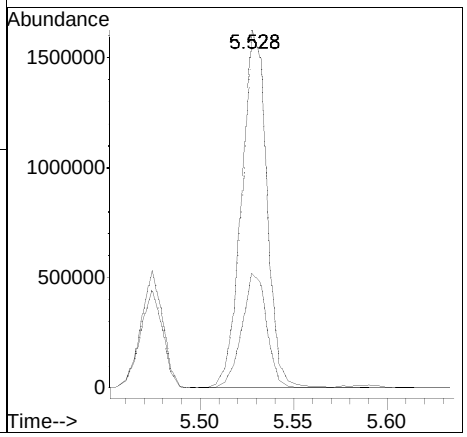


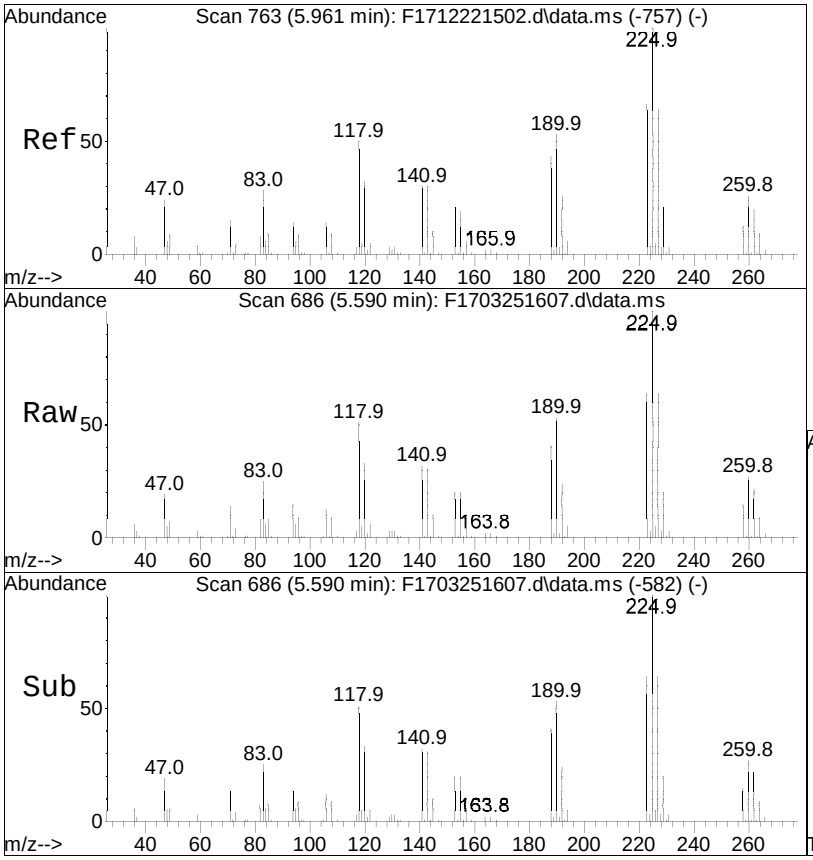


#33
4-Chloroaniline
Concen: 9.31 ug/mL M4
RT: 5.528 min Scan# 673
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:127 Resp: 1513698

Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.4	38.2

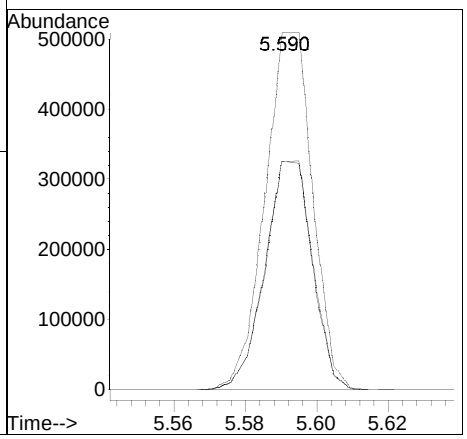


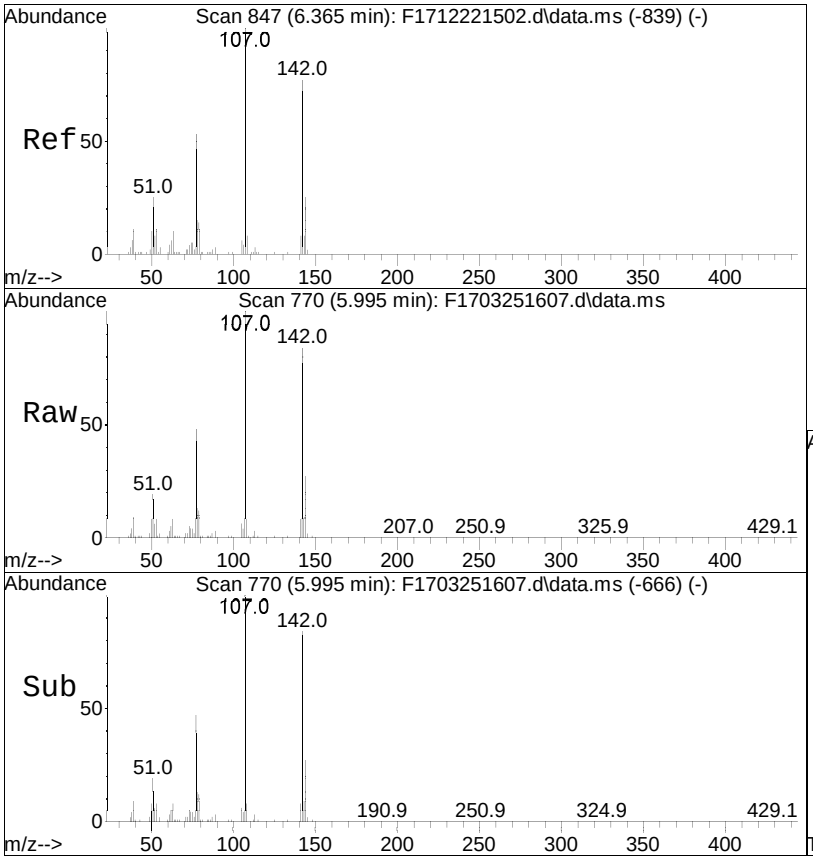


#34
Hexachlorobutadiene
Concen: 8.16 ug/mL
RT: 5.590 min Scan# 686
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:225 Resp: 470845

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.8	76.2
227	64.0	50.7	76.1

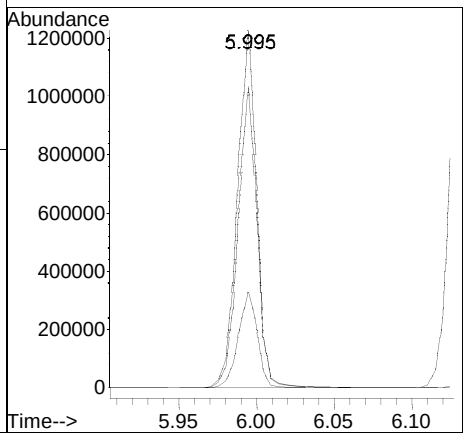


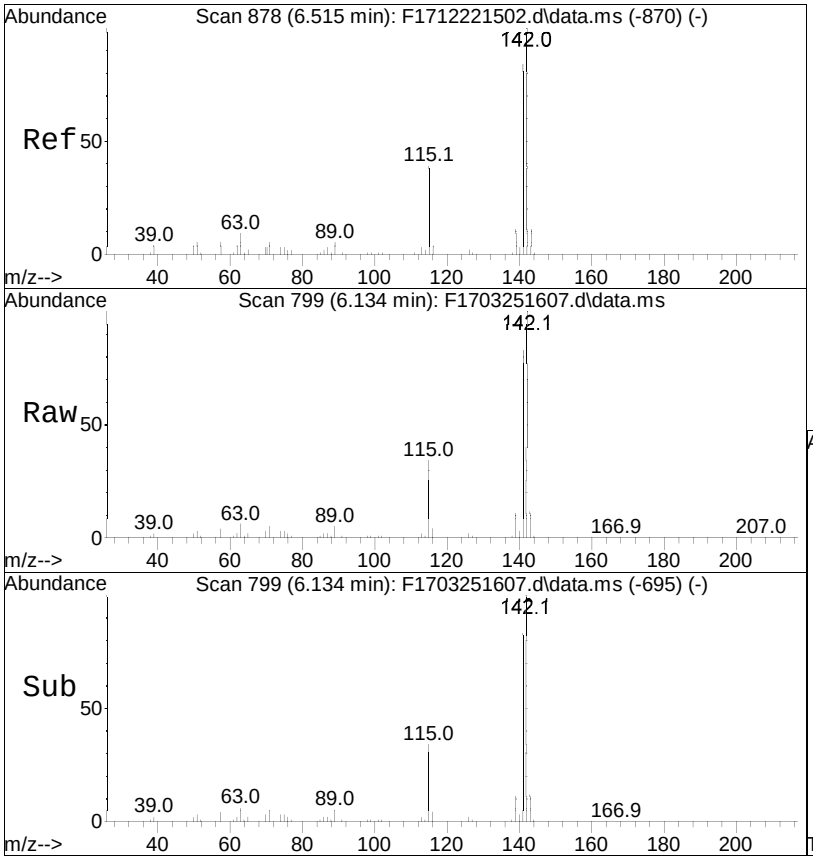


#36
4-Chloro-3-methylphenol
Concen: 8.00 ug/mL
RT: 5.995 min Scan# 770
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:107 Resp: 1061861

Ion	Ratio	Lower	Upper
107	100		
144	26.8	21.8	32.8
142	83.6	67.5	101.3

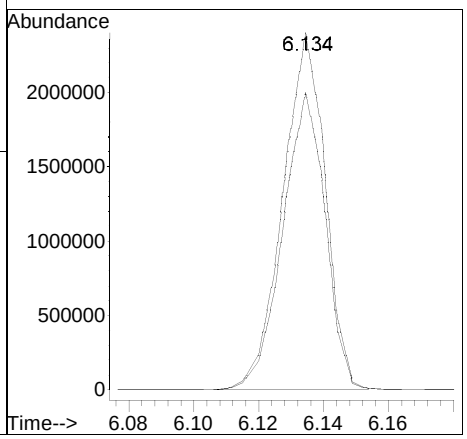


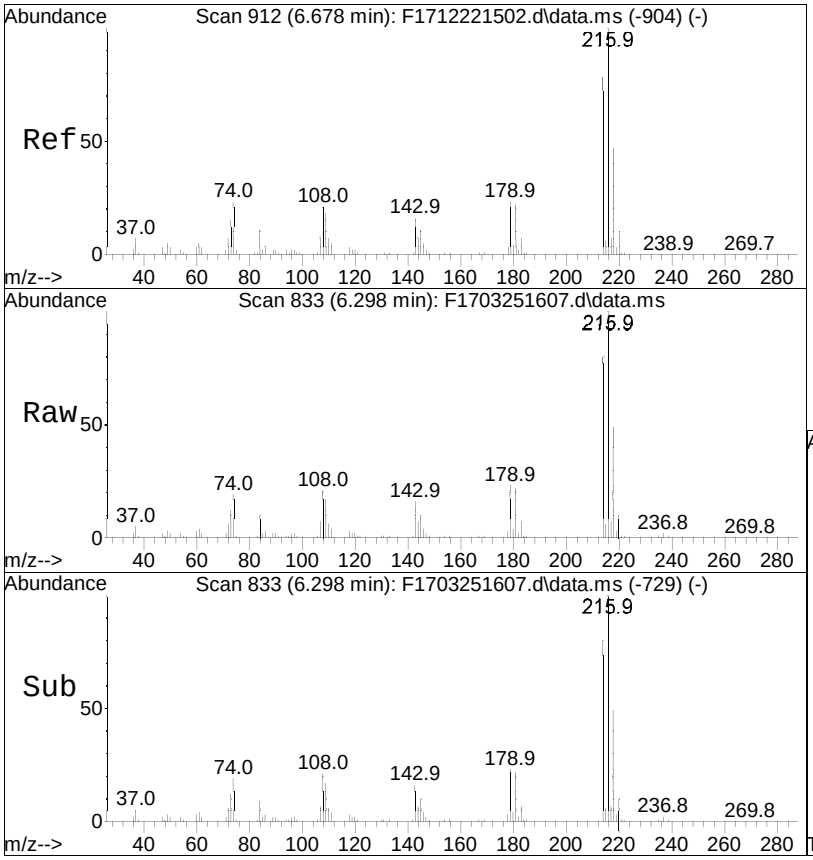


#37
2-Methylnaphthalene
Concen: 8.05 ug/mL
RT: 6.134 min Scan# 799
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:142 Resp: 2171862

Ion	Ratio	Lower	Upper
142	100		
141	83.5	67.4	101.2

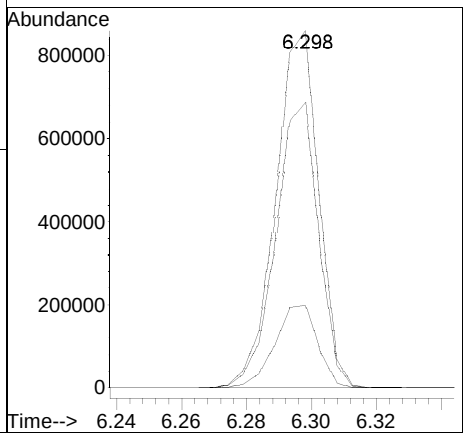


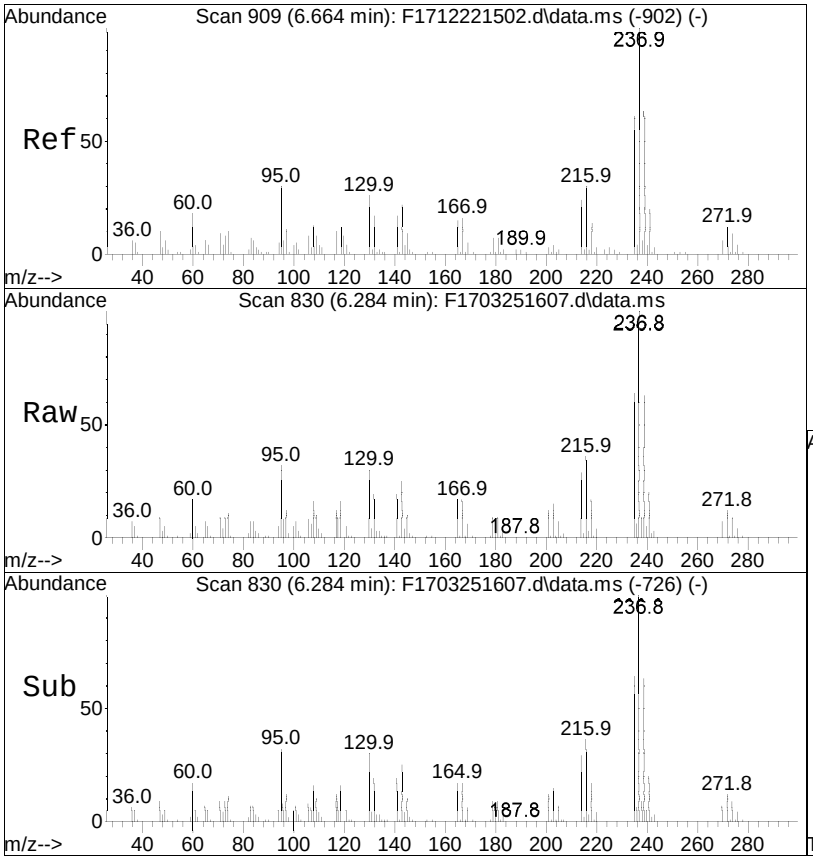


#39
1,2,4,5-Tetrachlorobenzene
Concen: 9.09 ug/mL
RT: 6.298 min Scan# 833
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:216 Resp: 790865

Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.6	95.4
179	23.3	17.8	26.8

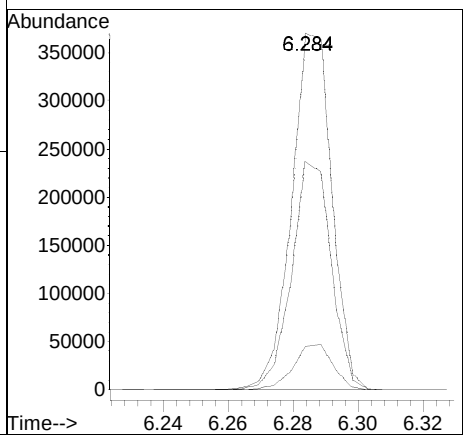


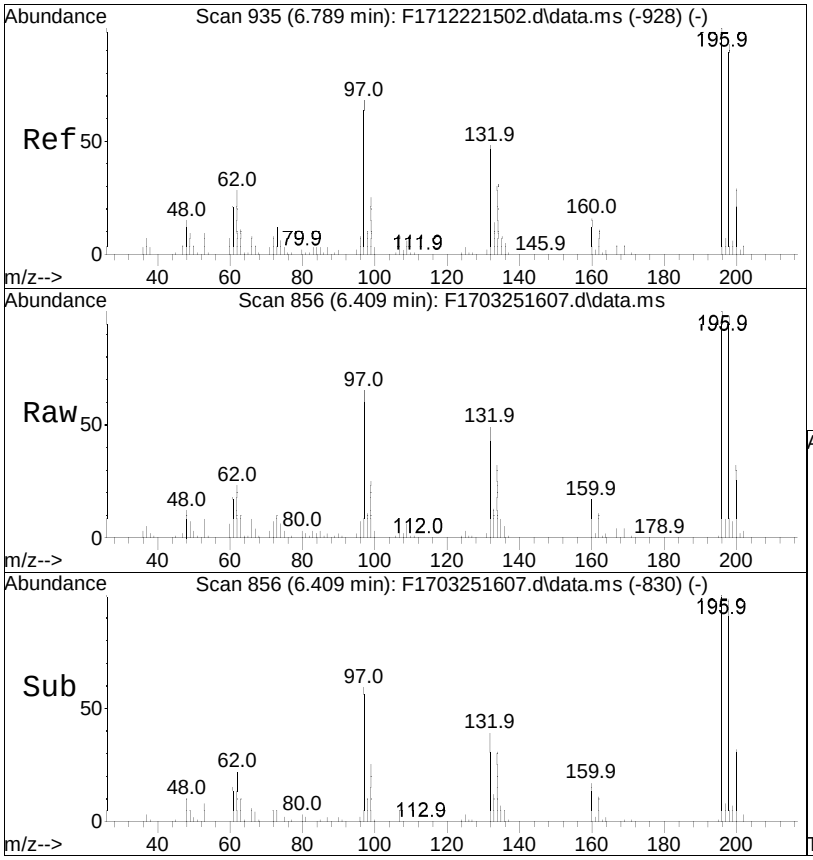


#40
Hexachlorocyclopentadiene
Concen: 5.96 ug/mL
RT: 6.284 min Scan# 830
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:237 Resp: 318123

Ion	Ratio	Lower	Upper
237	100		
235	63.1	50.2	75.2
272	12.6	10.2	15.2

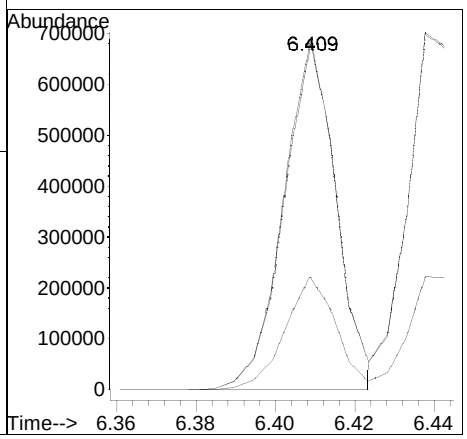


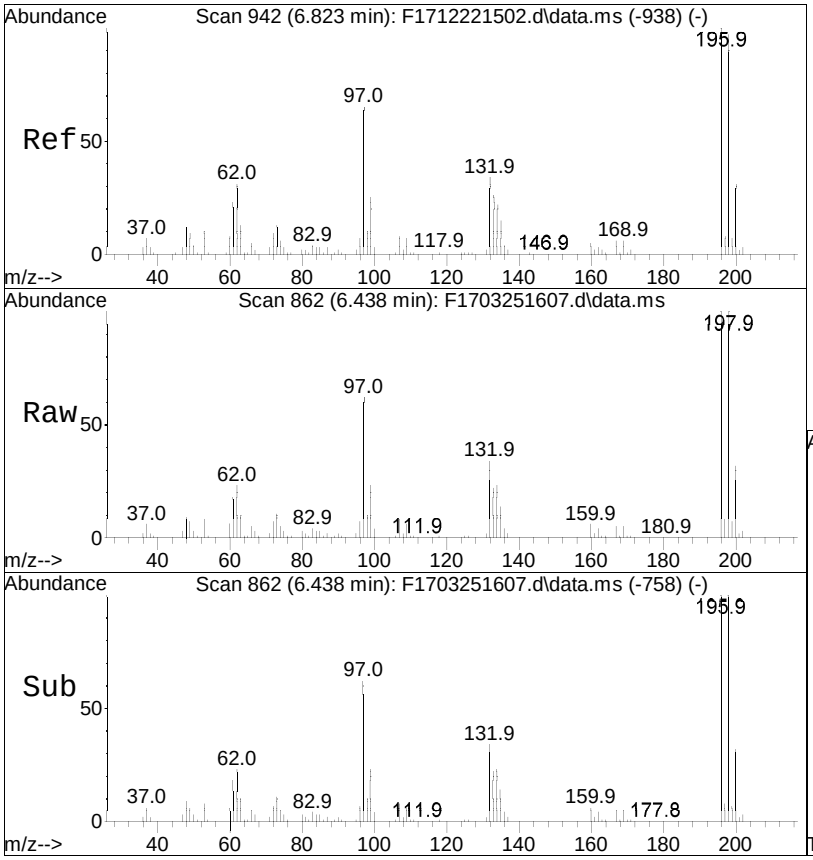


#41
2,4,6-Trichlorophenol
Concen: 8.60 ug/mL M4
RT: 6.409 min Scan# 856
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:196 Resp: 629283

Ion	Ratio	Lower	Upper
196	100		
198	98.6	81.5	122.3
200	31.6	25.9	38.9

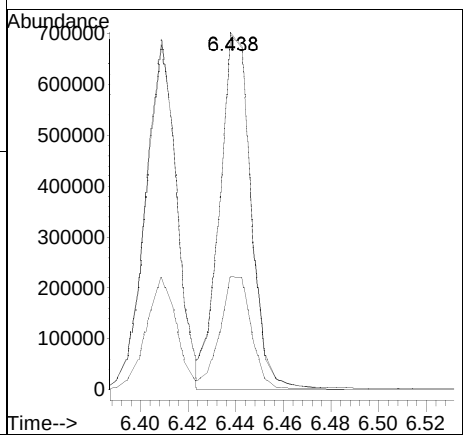


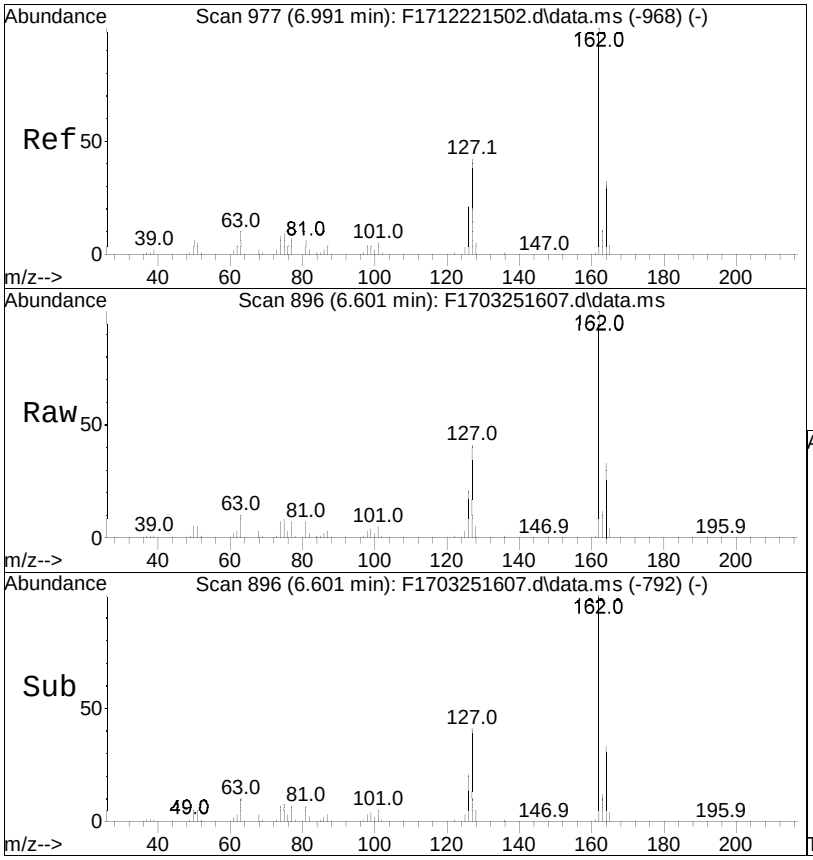


#42
2,4,5-Trichlorophenol
Concen: 9.63 ug/mL M4
RT: 6.438 min Scan# 862
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:196 Resp: 641087

Ion	Ratio	Lower	Upper
196	100		
198	99.3	81.3	121.9
200	31.9	25.5	38.3

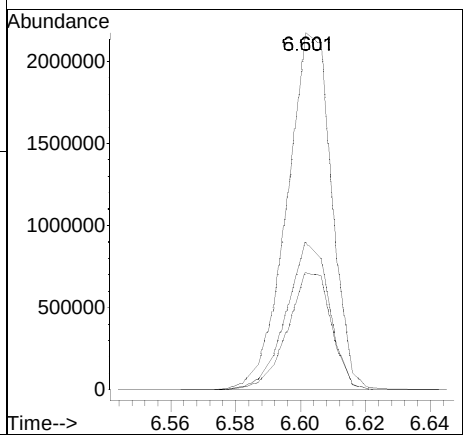


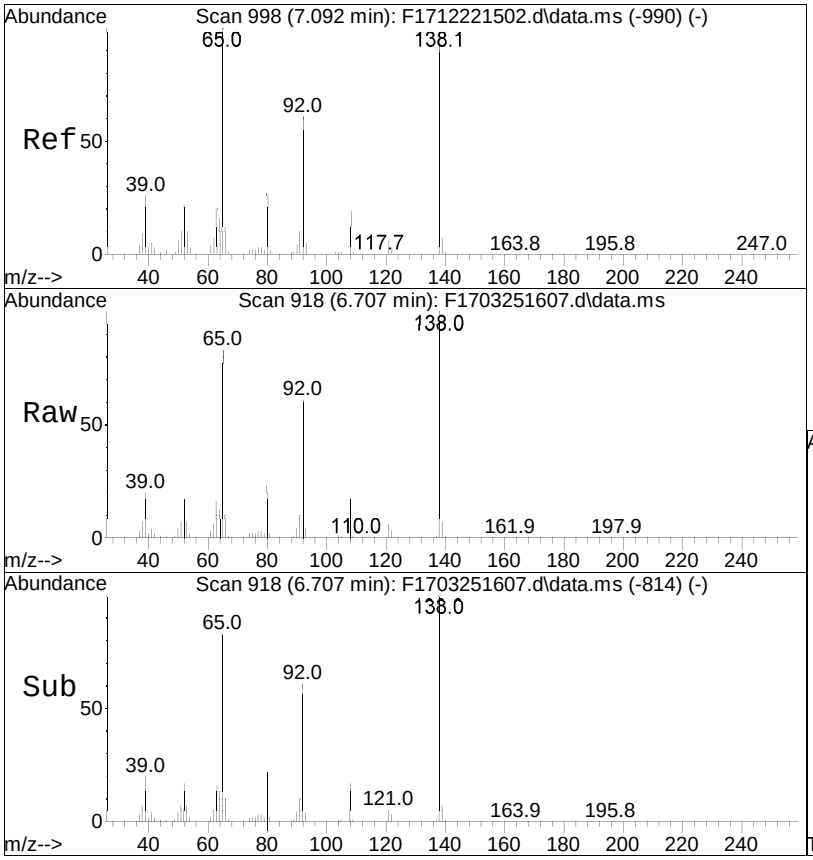


#45
2-Chloronaphthalene
Concen: 8.40 ug/mL
RT: 6.601 min Scan# 896
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:162 Resp: 2063009

Ion	Ratio	Lower	Upper
162	100		
164	32.4	25.4	38.0
127	39.9	30.6	46.0

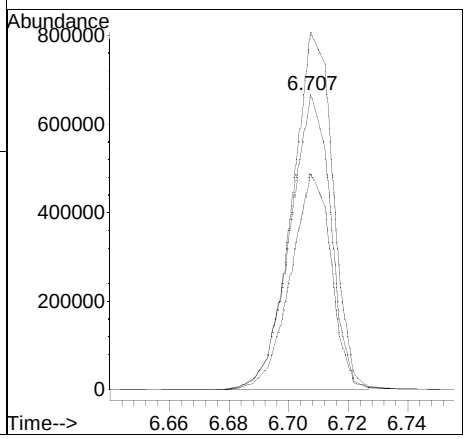


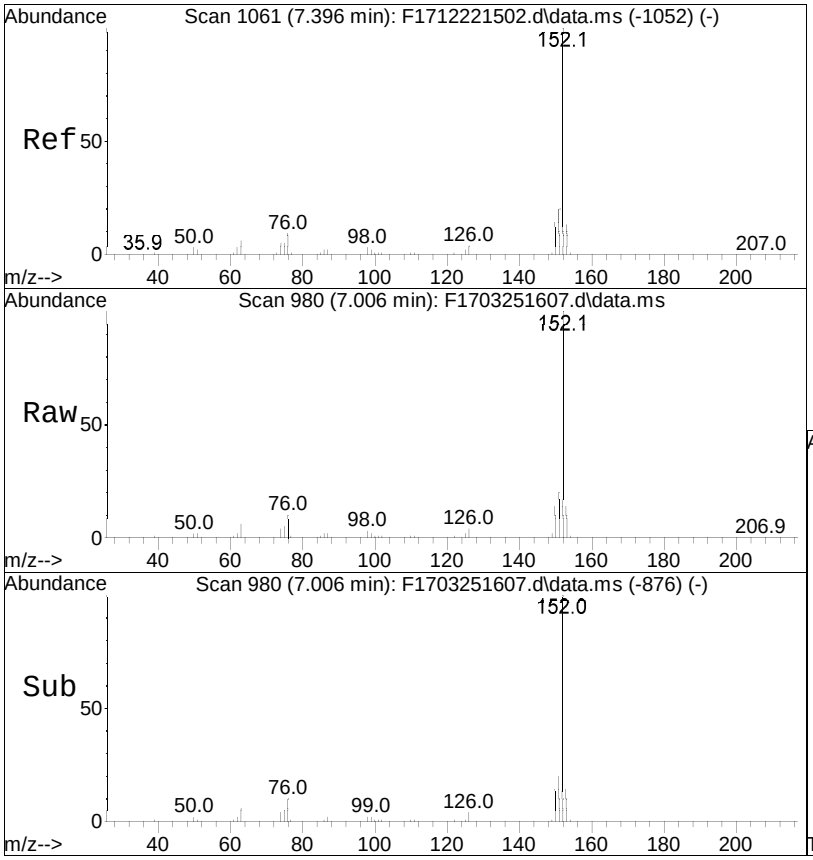


#46
2-Nitroaniline
Concen: 6.88 ug/mL
RT: 6.707 min Scan# 918
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion: 65 Resp: 628866

Ion	Ratio	Lower	Upper
65	100		
92	73.2	52.8	79.2
138	122.1	88.3	132.5

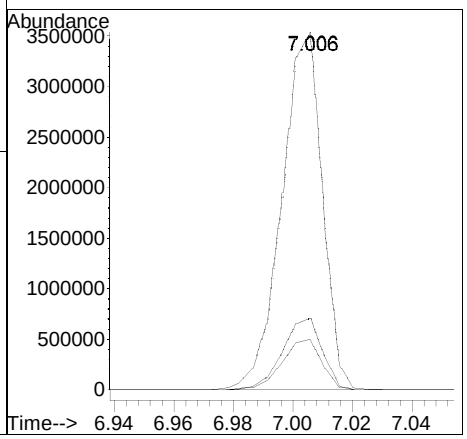


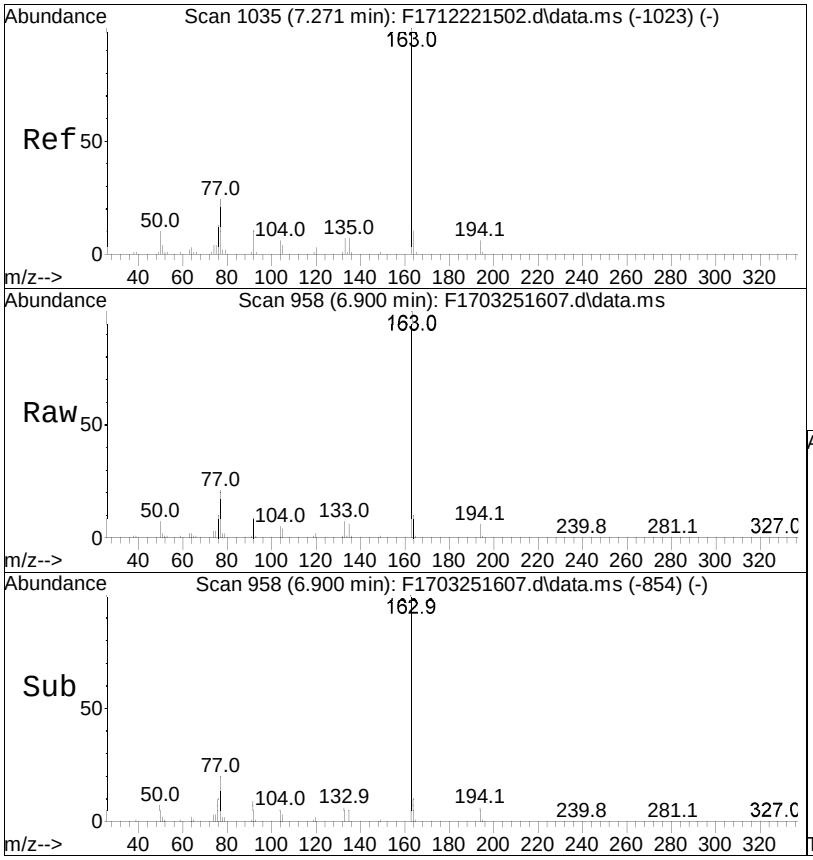


#47
Acenaphthylene
Concen: 8.22 ug/mL
RT: 7.006 min Scan# 980
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:152 Resp: 3319268

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	14.0	11.1	16.7

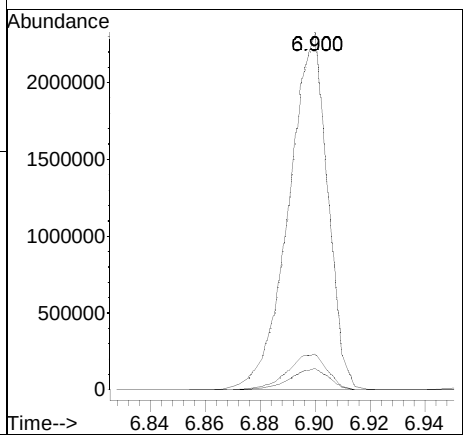


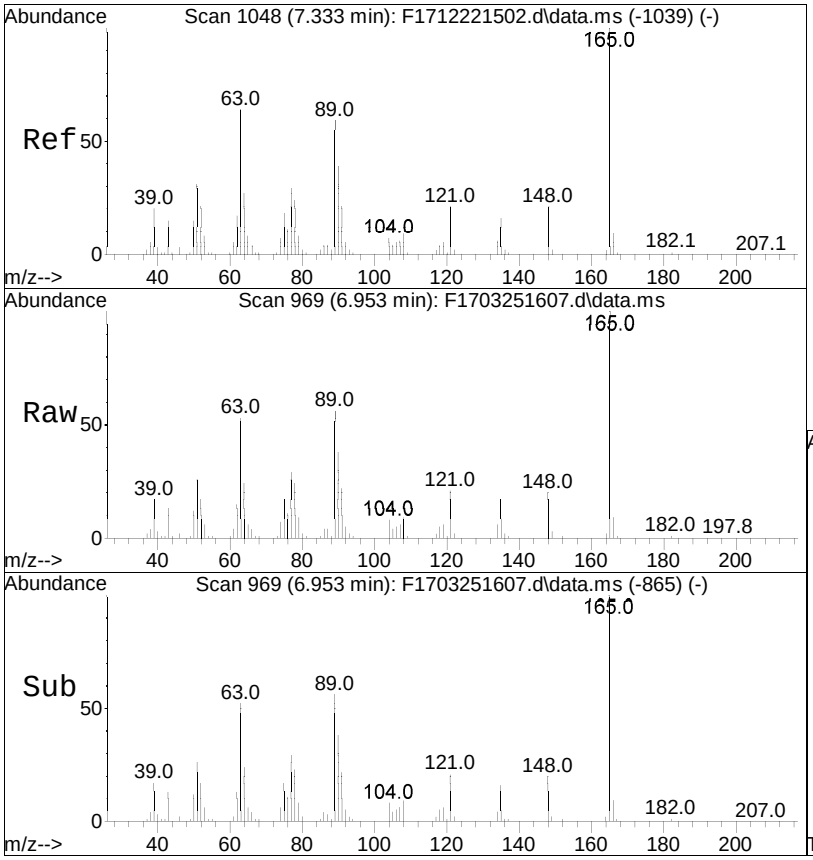


#48
Dimethylphthalate
Concen: 8.28 ug/mL
RT: 6.900 min Scan# 958
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:163 Resp: 2258745

Ion	Ratio	Lower	Upper
163	100		
194	6.1	4.3	6.5
164	10.4	8.1	12.1

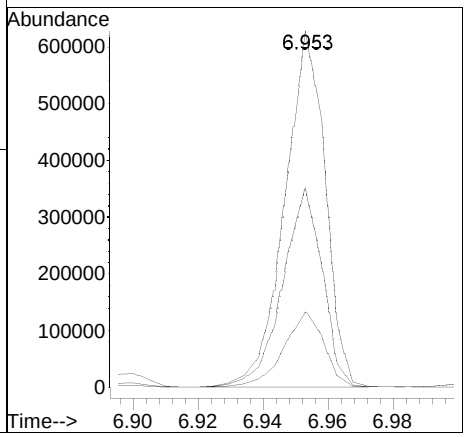


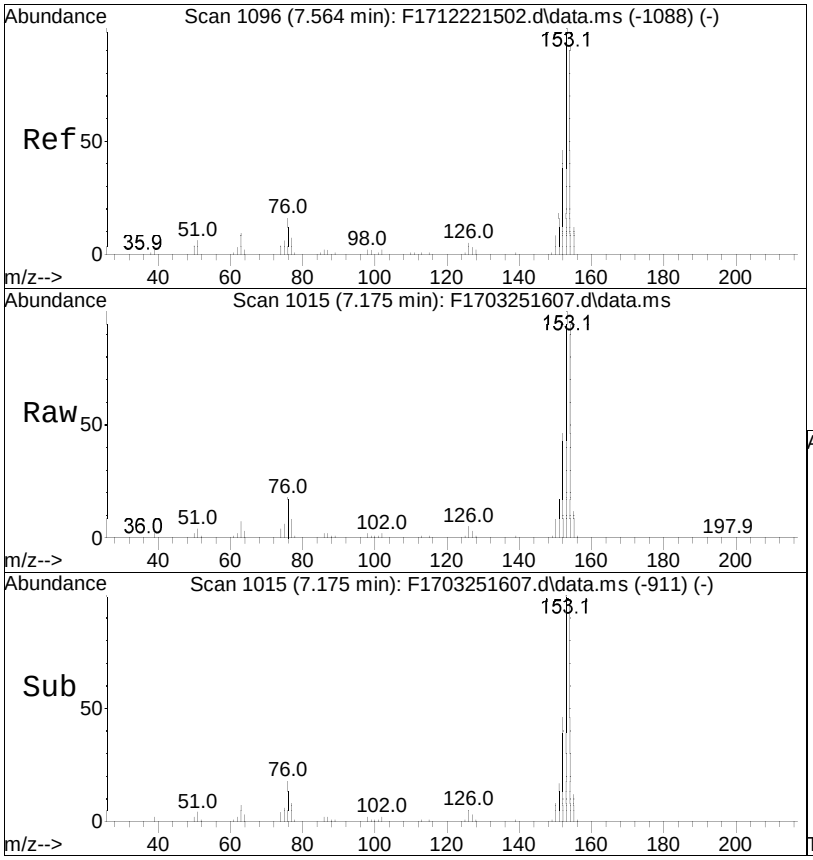


#49
2,6-Dinitrotoluene
Concen: 8.98 ug/mL
RT: 6.953 min Scan# 969
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:165 Resp: 539956

Ion	Ratio	Lower	Upper
165	100		
89	55.3	45.4	68.0
121	21.3	16.3	24.5

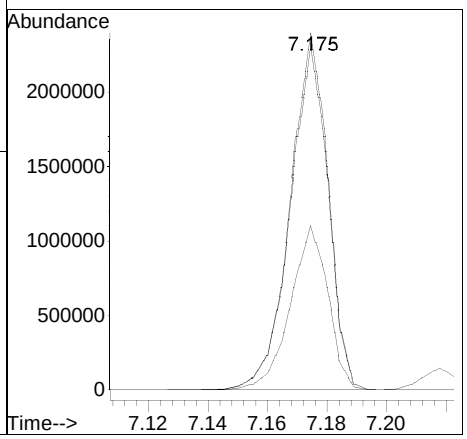


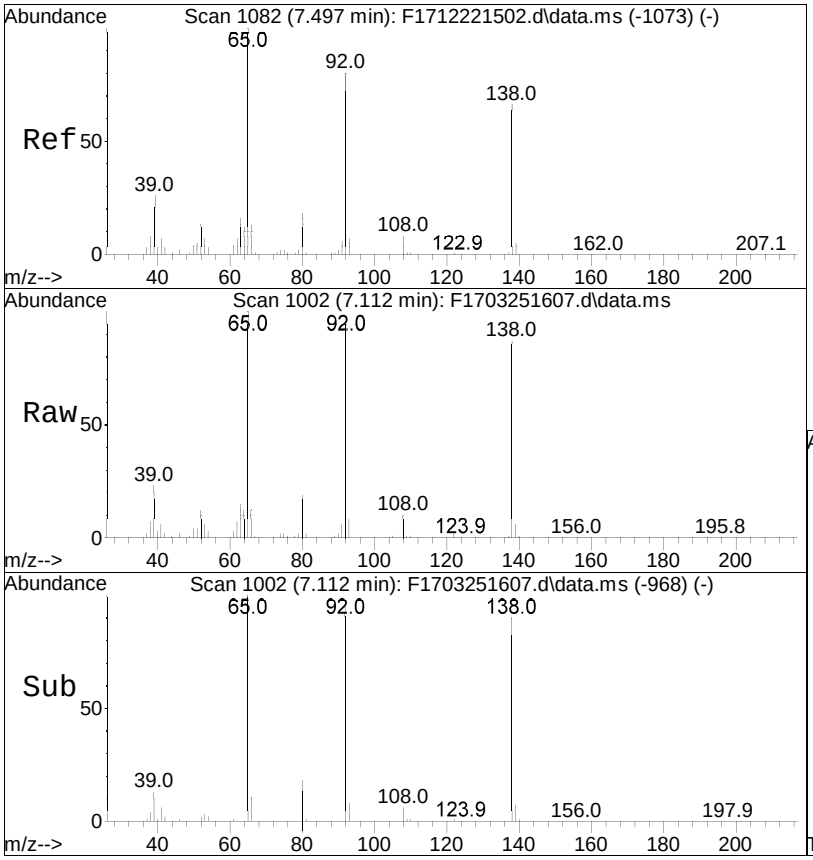


#50
Acenaphthene
Concen: 7.89 ug/mL
RT: 7.175 min Scan# 1015
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:153 Resp: 2119554

Ion	Ratio	Lower	Upper
153	100		
154	96.2	76.1	114.1
152	45.5	35.4	53.2

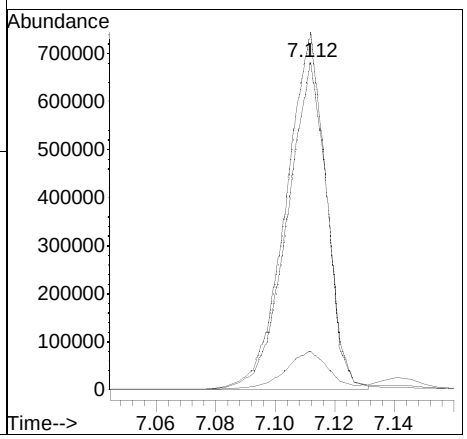


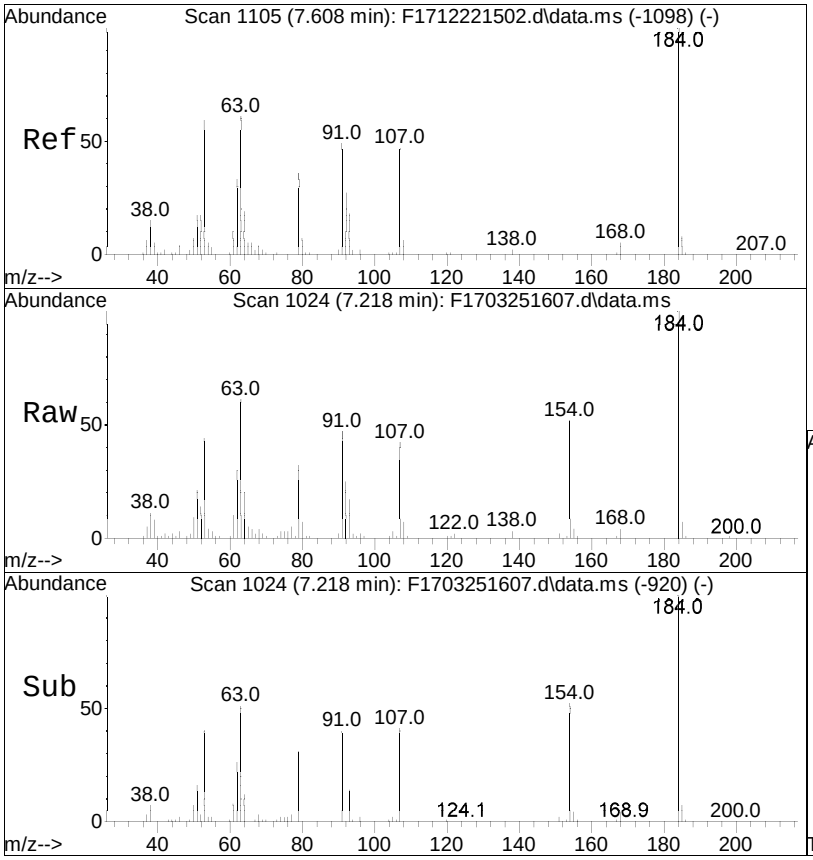


#51
3-Nitroaniline
Concen: 8.74 ug/mL
RT: 7.112 min Scan# 1002
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:138 Resp: 632647

Ion	Ratio	Lower	Upper
138	100		
108	12.6	8.8	13.2
92	109.4	85.6	128.4

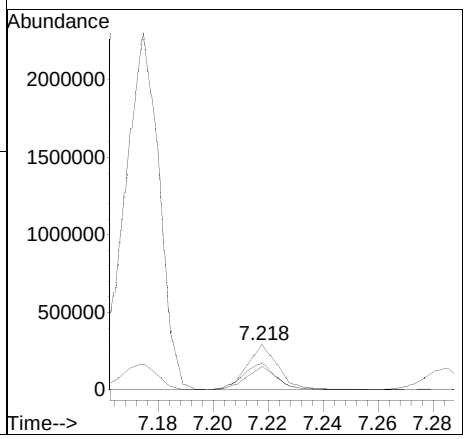


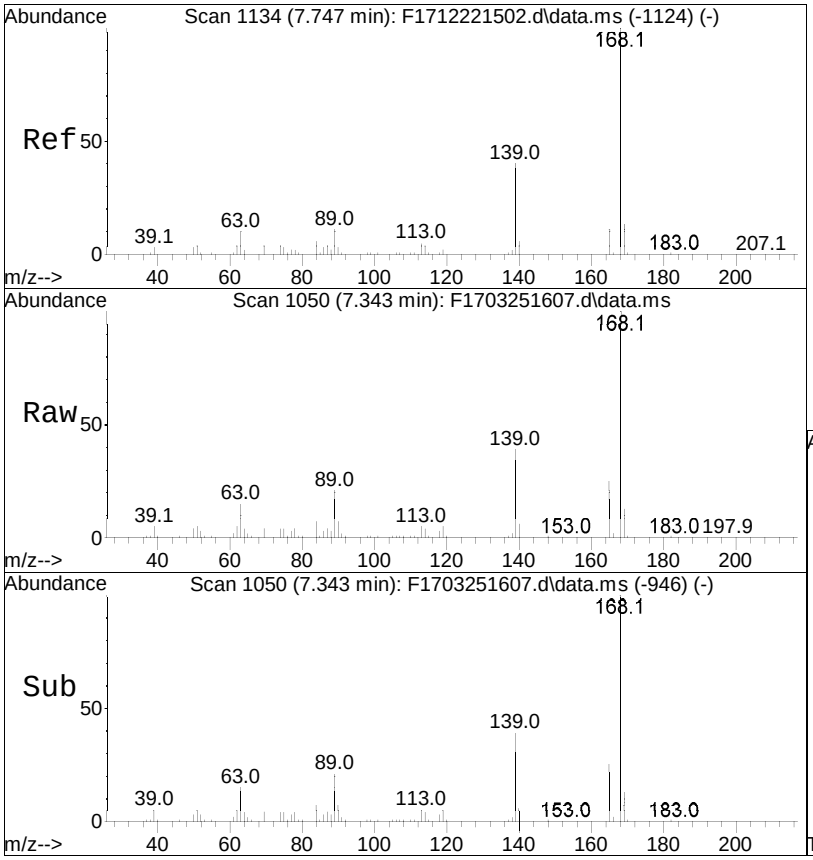


#52
2,4-Dinitrophenol
Concen: 6.84 ug/mL
RT: 7.218 min Scan# 1024
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:184 Resp: 235580

Ion	Ratio	Lower	Upper
184	100		
63	61.7	54.0	81.0
154	0.0	0.0	0.0

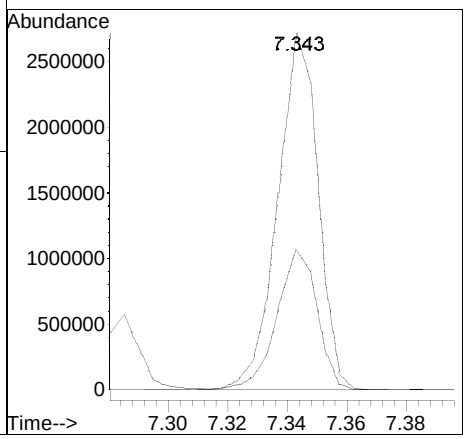


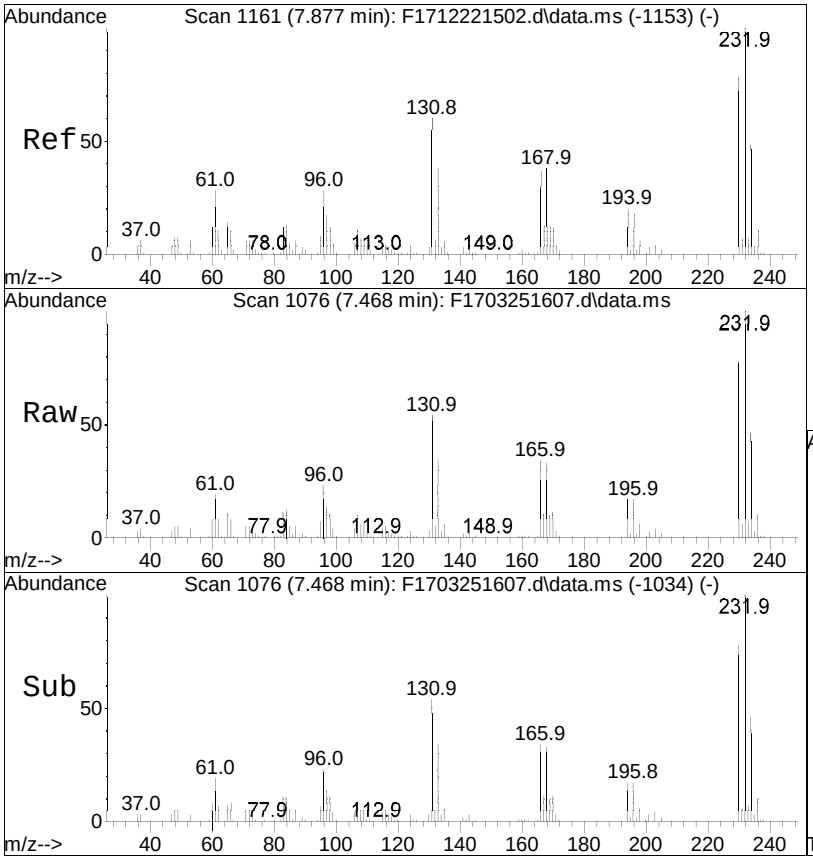


#53
Dibenzofuran
Concen: 7.85 ug/mL
RT: 7.343 min Scan# 1050
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:168 Resp: 2545123

Ion	Ratio	Lower	Upper
168	100		
139	38.8	30.7	46.1

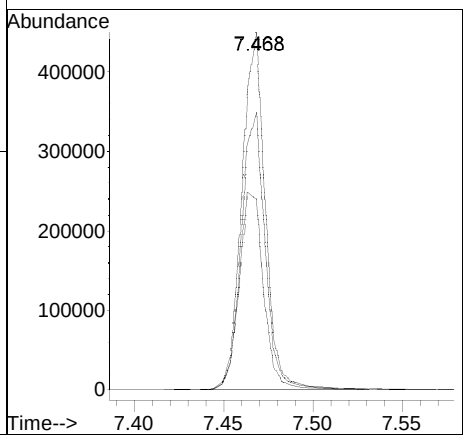


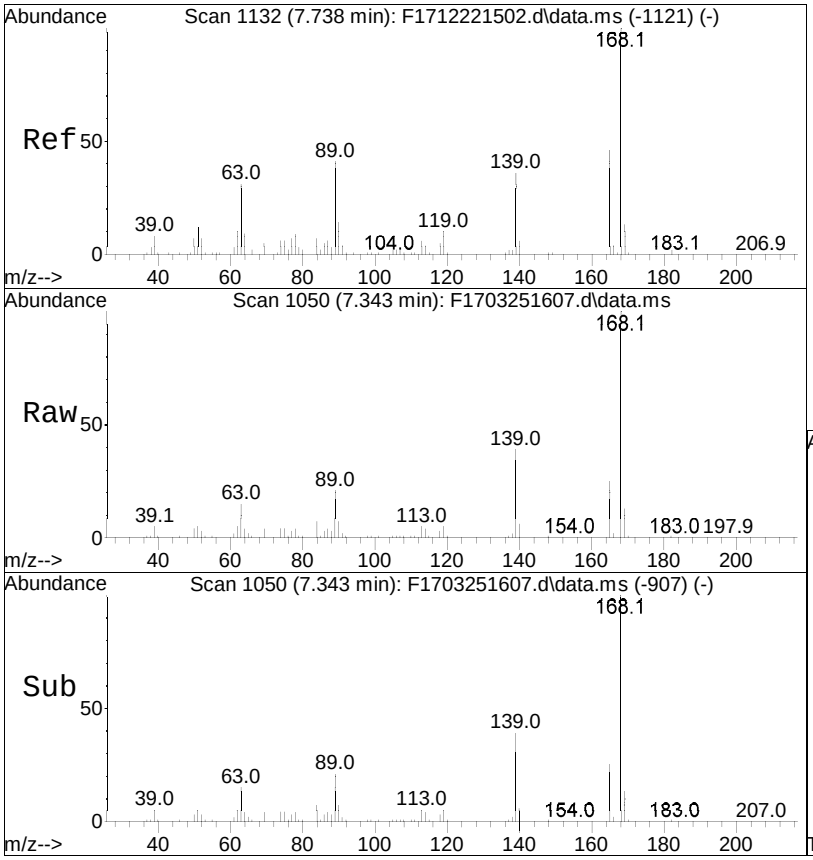


#54
2,3,4,6-Tetrachlorophenol
Concen: 8.56
RT: 7.468 min Scan# 1076
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:232 Resp: 407647

Ion	Ratio	Lower	Upper
232	100		
131	58.3	44.3	66.5
230	78.8	63.1	94.7

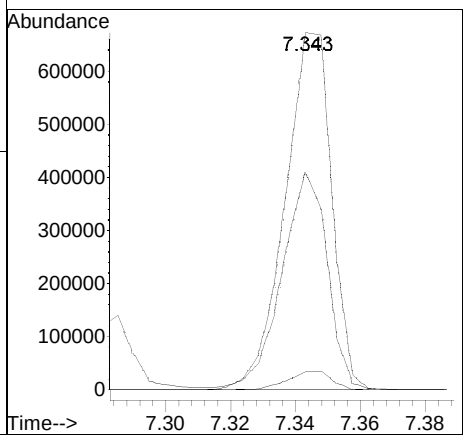


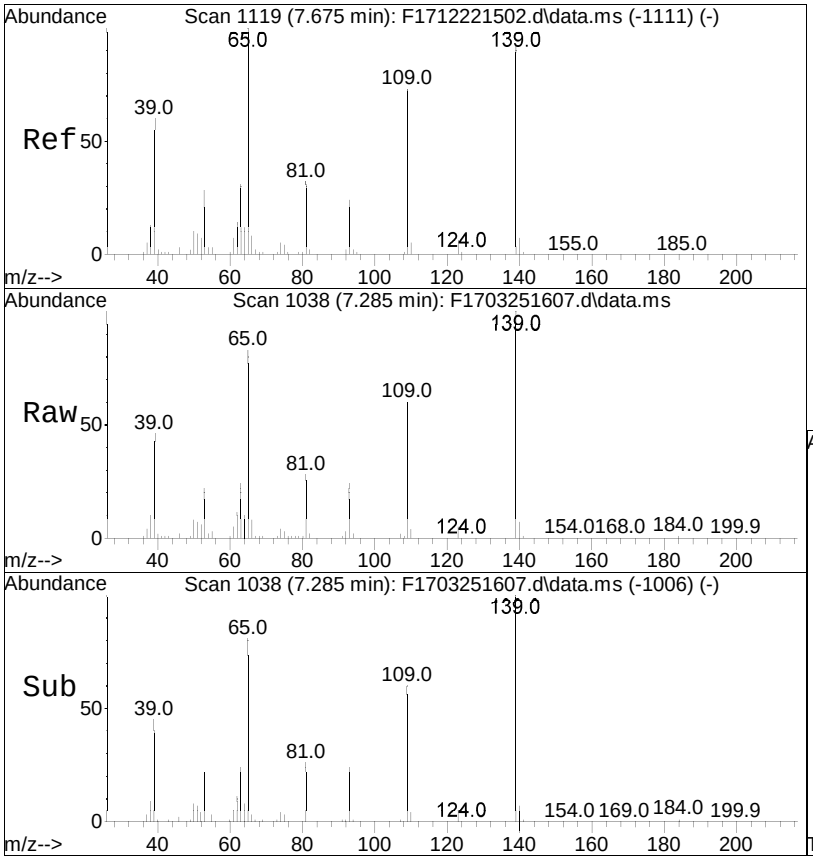


#55
2,4-Dinitrotoluene
Concen: 8.55 ug/mL
RT: 7.343 min Scan# 1050
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:165 Resp: 668677

Ion	Ratio	Lower	Upper
165	100		
63	58.2	58.3	87.5#
182	5.0	3.2	4.8#

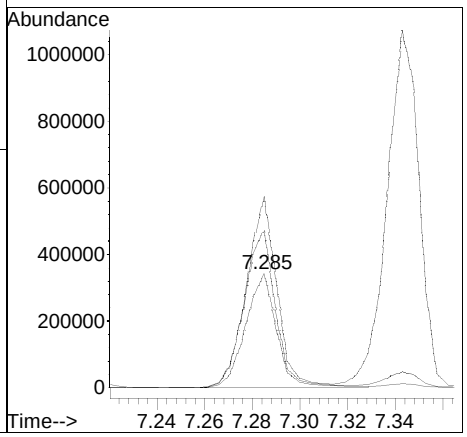


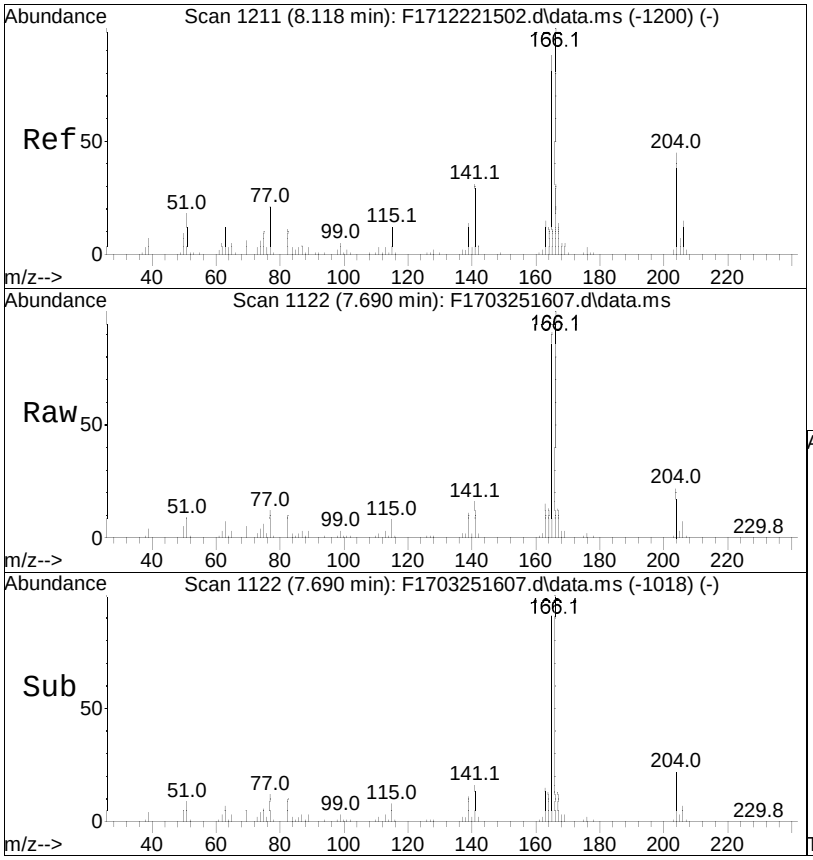


#56
4-Nitrophenol
Concen: 7.12 ug/mL
RT: 7.285 min Scan# 1038
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:109 Resp: 312519

Ion	Ratio	Lower	Upper
109	100		
139	164.3	122.1	183.1
65	139.0	110.8	166.2

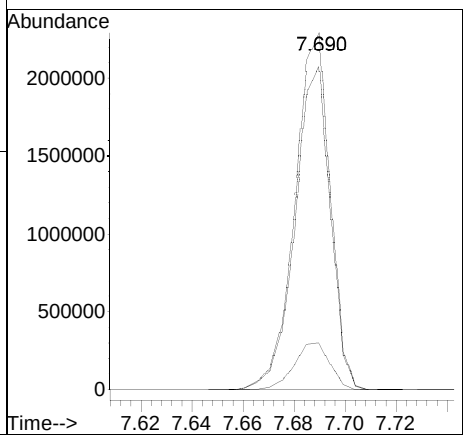


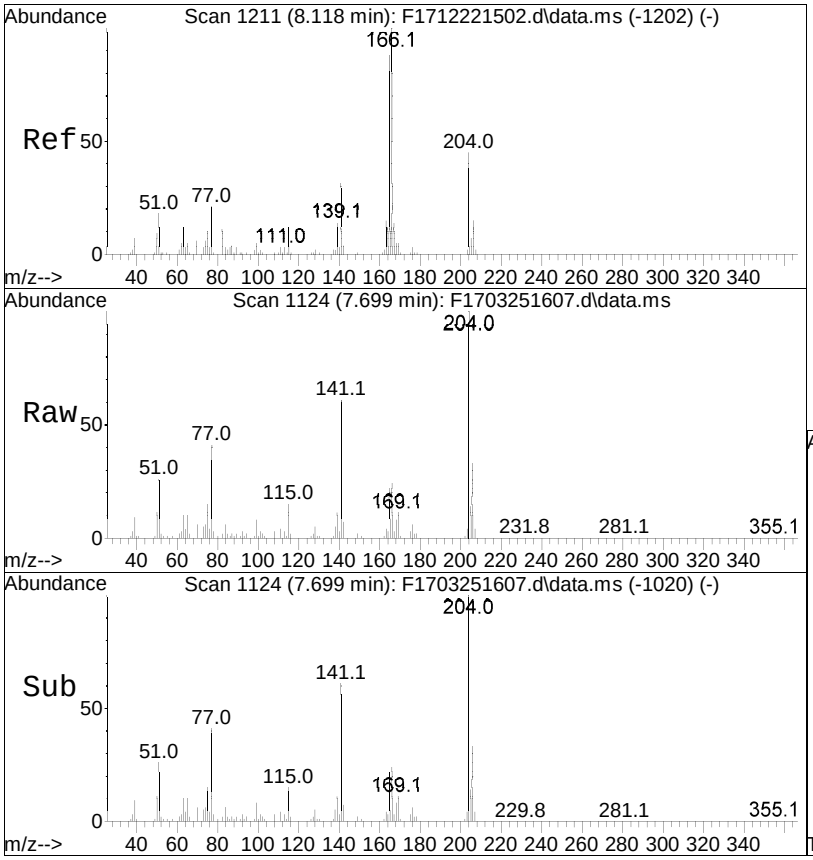


#57
Fluorene
Concen: 8.26 ug/mL
RT: 7.690 min Scan# 1122
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:166 Resp: 2200870

Ion	Ratio	Lower	Upper
166	100		
165	90.5	74.4	111.6
167	13.7	10.8	16.2

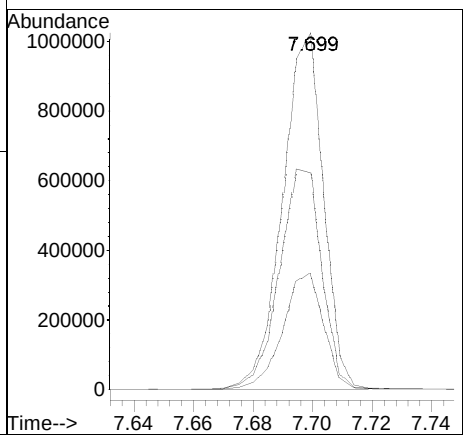


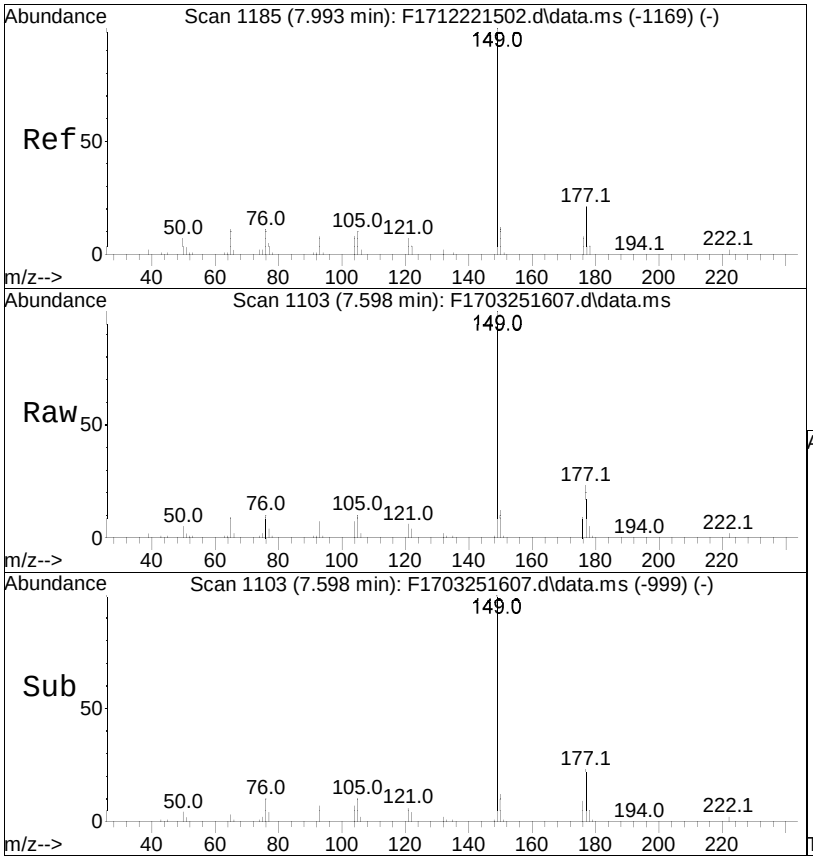


#58
4-Chlorophenyl-phenylether
Concen: 8.52 ug/mL
RT: 7.699 min Scan# 1124
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:204 Resp: 973523

Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.9	38.9
141	64.1	50.7	76.1

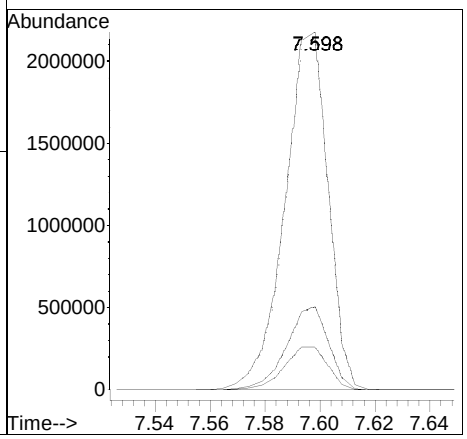


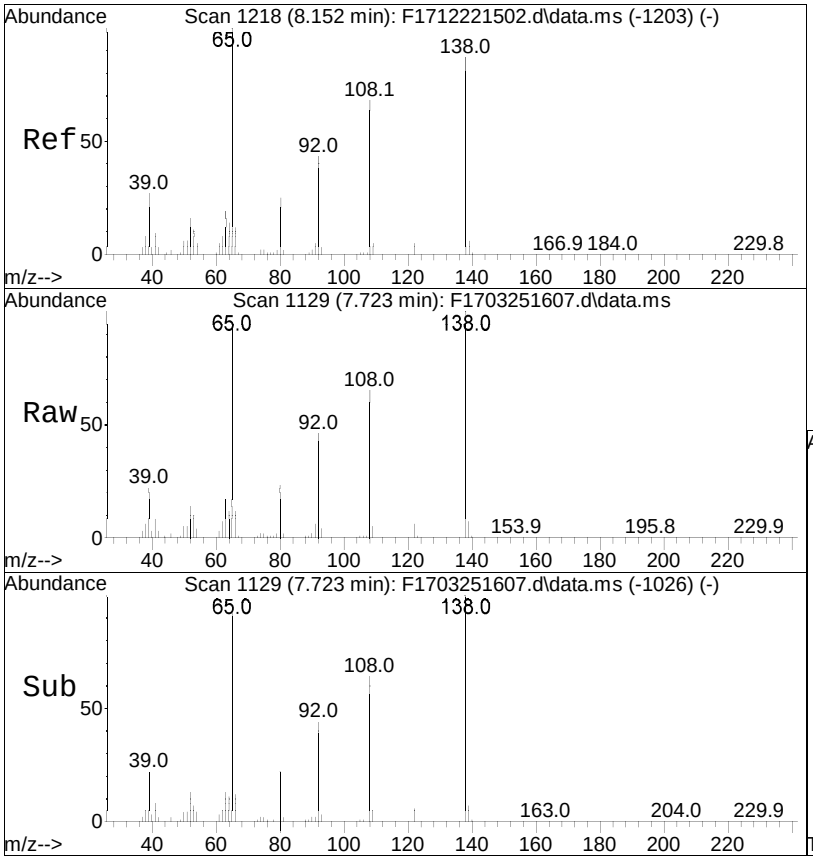


#59
Diethylphthalate
Concen: 8.30 ug/mL
RT: 7.598 min Scan# 1103
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:149 Resp: 2352430

Ion	Ratio	Lower	Upper
149	100		
177	22.8	17.8	26.8
150	12.3	9.8	14.6

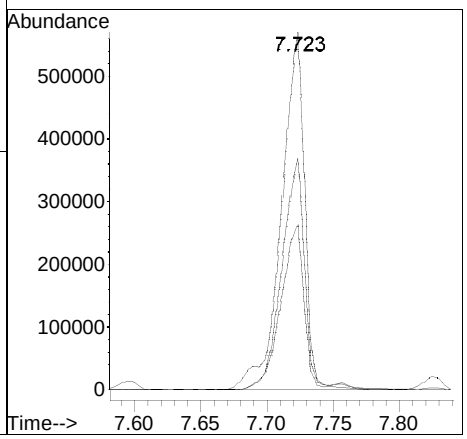


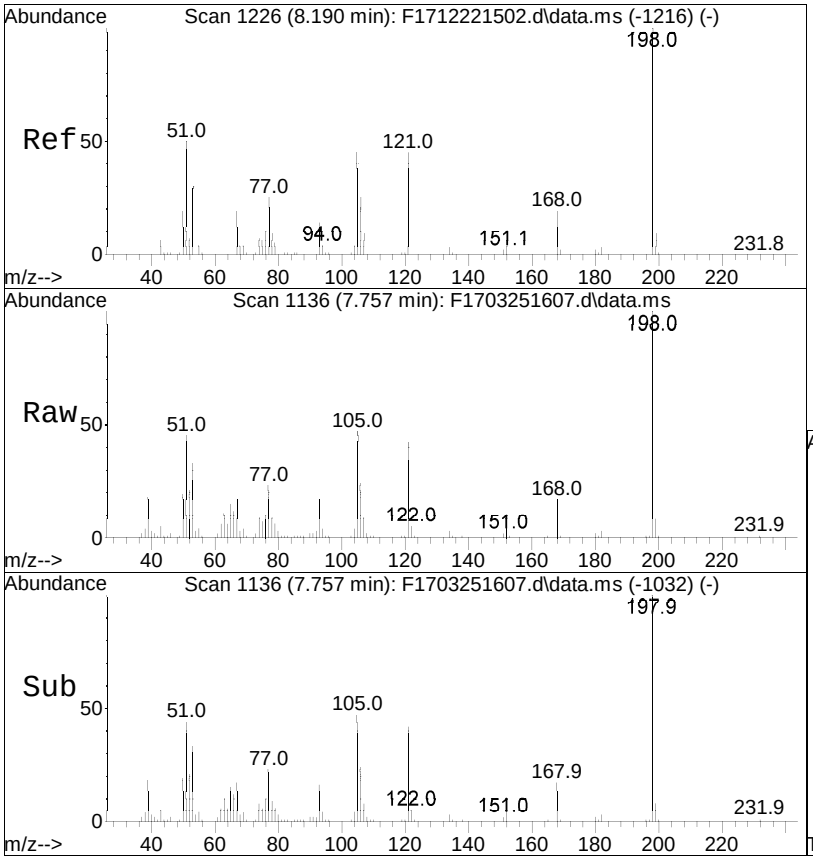


#60
4-Nitroaniline
Concen: 9.10 ug/mL
RT: 7.723 min Scan# 1129
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:138 Resp: 689027

Ion	Ratio	Lower	Upper
138	100		
92	45.6	35.0	52.4
108	62.2	55.8	83.6

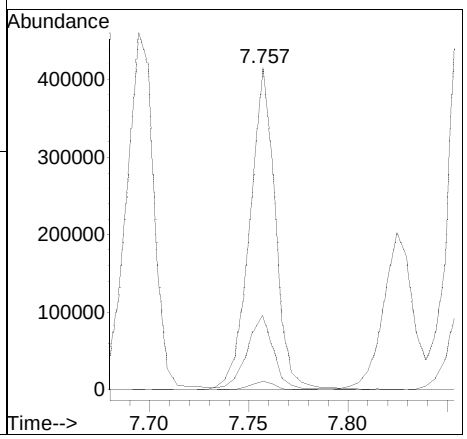


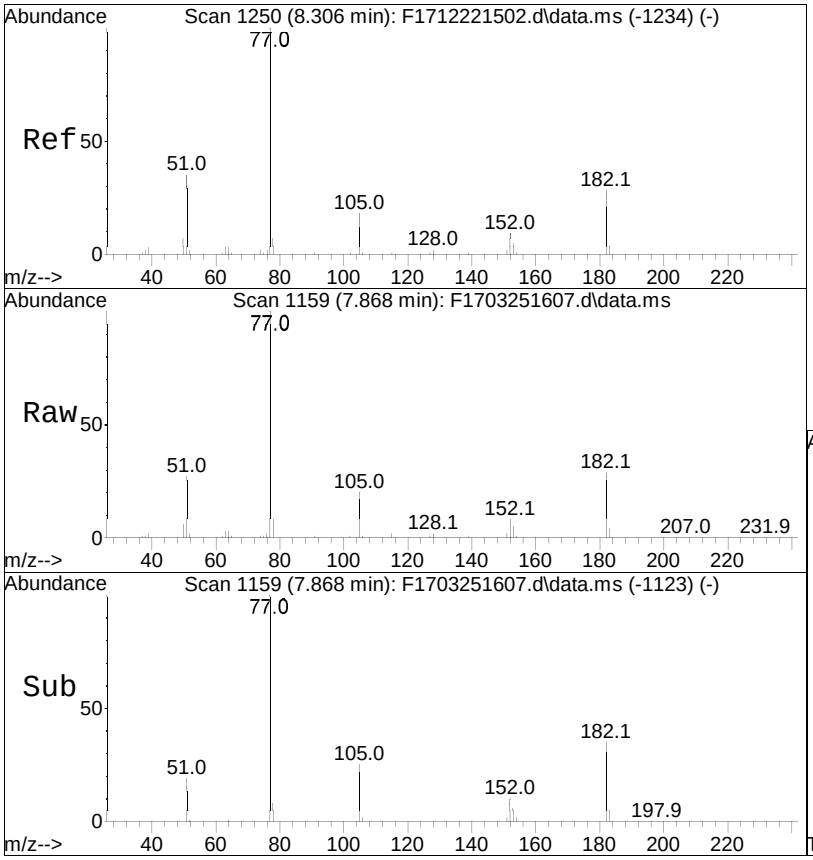


#62
4,6-Dinitro-2-methylphenol
Concen: 7.77 ug/mL
RT: 7.757 min Scan# 1136
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:198 Resp: 377851

Ion	Ratio	Lower	Upper
198	100		
182	0.0	0.0	0.0
77	0.0	0.0	0.0

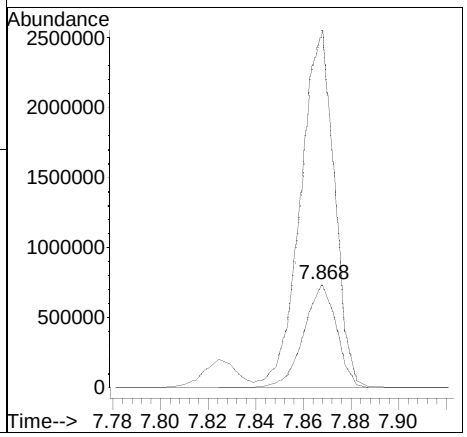


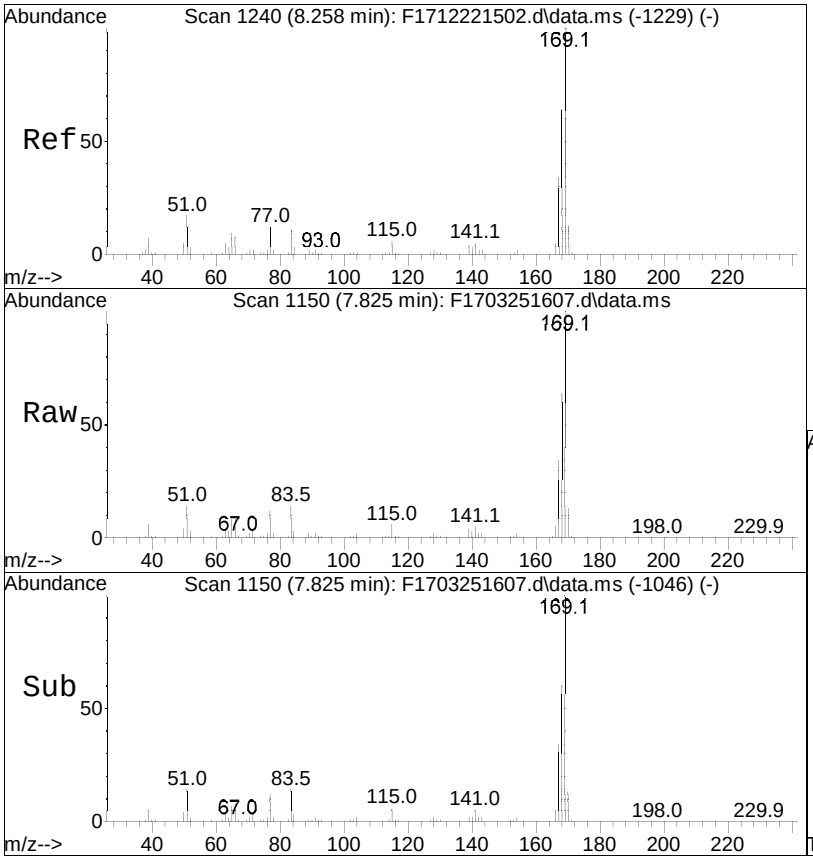


#63
Azobenzene
Concen: 8.54 ug/mL
RT: 7.868 min Scan# 1159
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:182 Resp: 707973

Ion	Ratio	Lower	Upper
182	100		
77	348.9	56.3	647.3

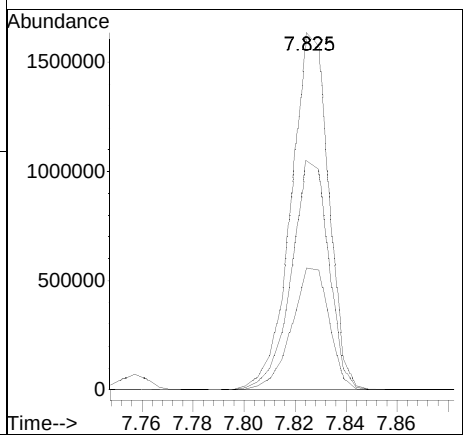


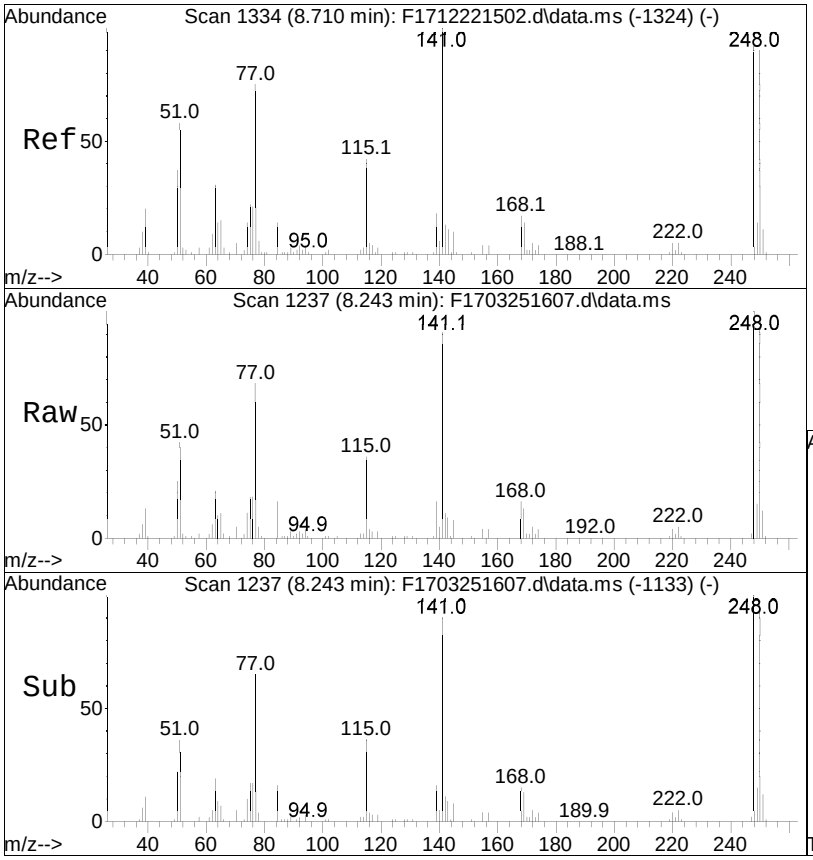


#64
n-Nitrosodiphenylamine
Concen: 8.41 ug/mL
RT: 7.825 min Scan# 1150
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:169 Resp: 1670399

Ion	Ratio	Lower	Upper
169	100		
168	63.6	50.7	76.1
167	34.4	28.0	42.0

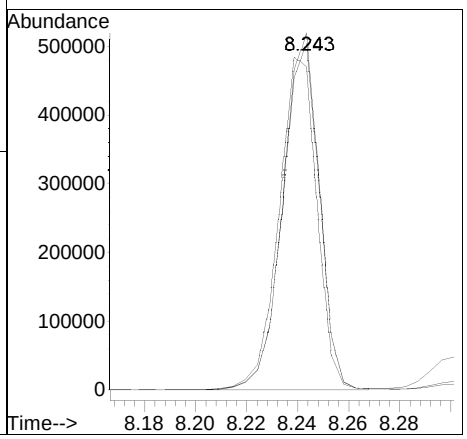


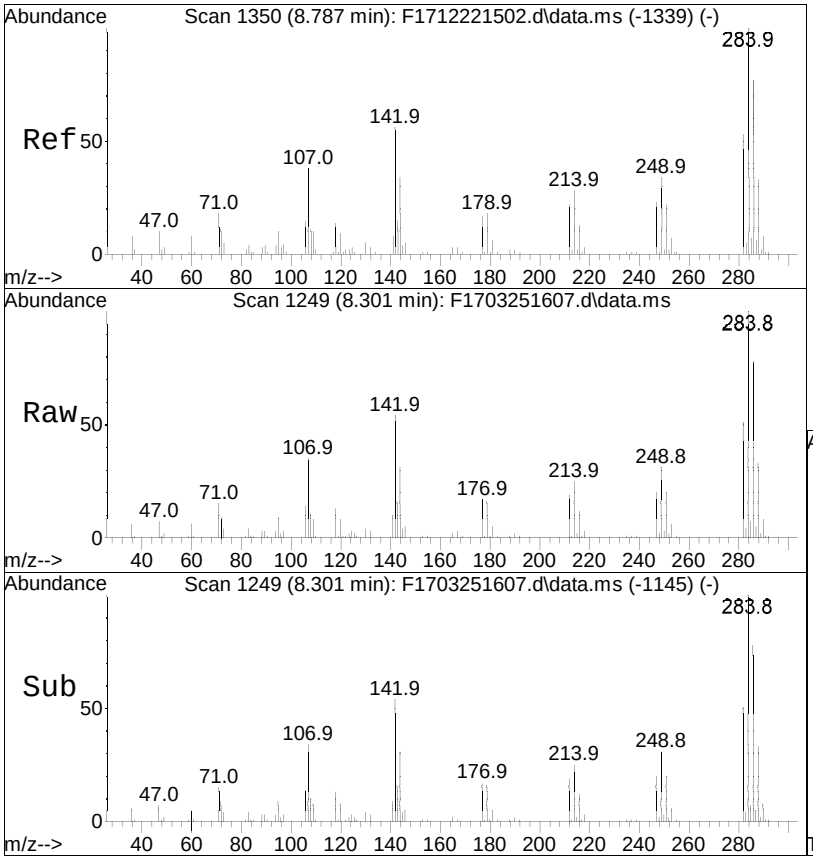


#66
4-Bromophenyl-phenylether
Concen: 8.46 ug/mL
RT: 8.243 min Scan# 1237
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:248 Resp: 516009

Ion	Ratio	Lower	Upper
248	100		
250	97.8	76.2	114.2
141	97.0	74.1	111.1

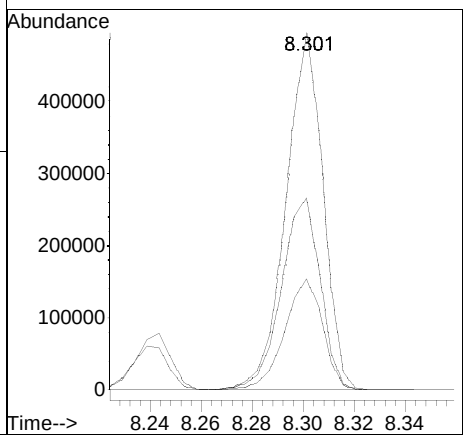


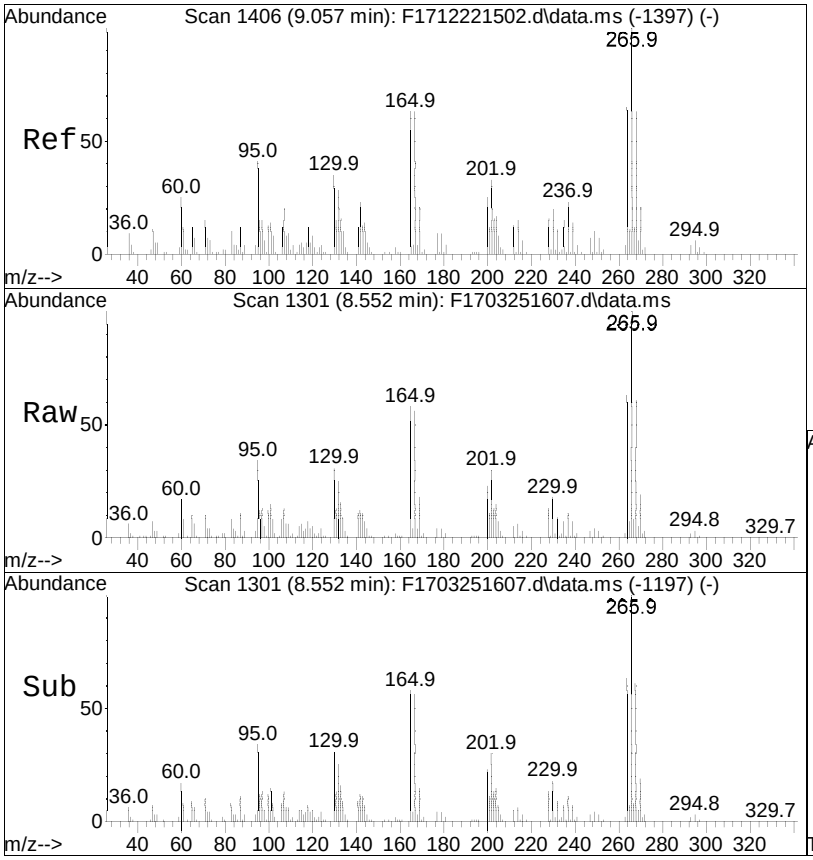


#67
Hexachlorobenzene
Concen: 8.62 ug/mL
RT: 8.301 min Scan# 1249
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:284 Resp: 498651

Ion	Ratio	Lower	Upper
284	100		
142	56.5	41.2	61.8
249	32.1	25.4	38.0

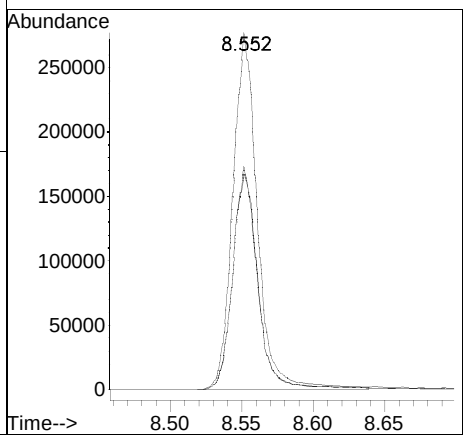


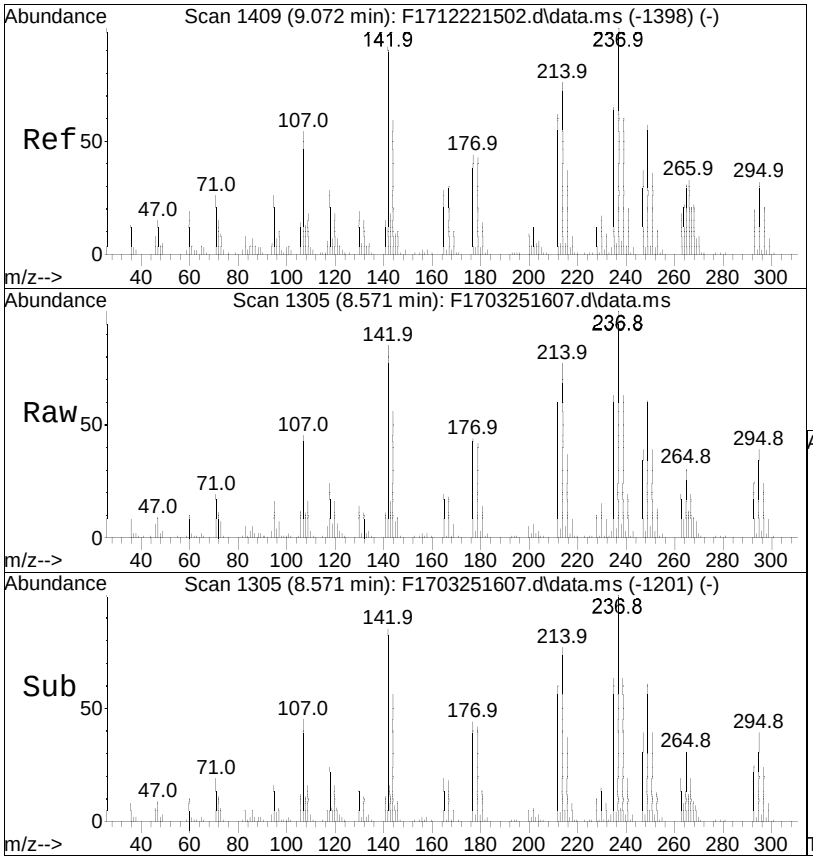


#69
Pentachlorophenol
Concen: 7.10 ug/mL
RT: 8.552 min Scan# 1301
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:266 Resp: 331761

Ion	Ratio	Lower	Upper
266	100		
264	61.7	50.2	75.4
268	63.3	49.4	74.0

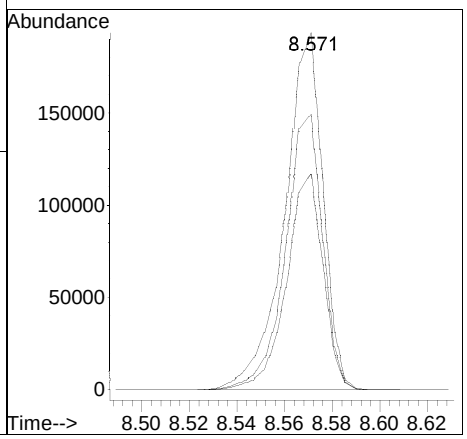


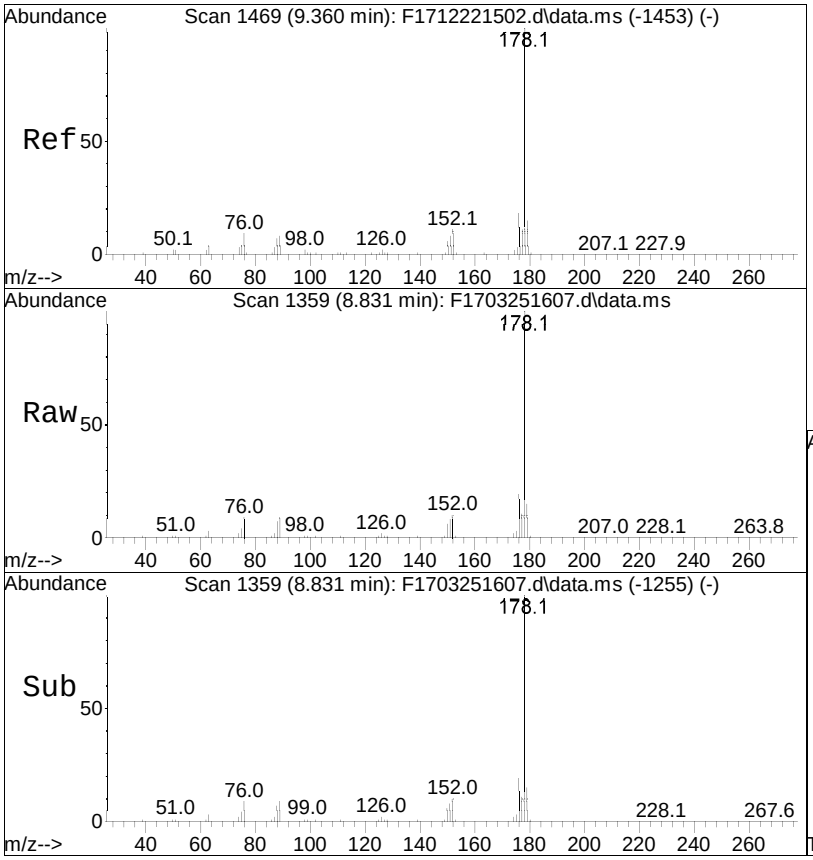


#70
Pentachloronitrobenzene
Concen: 8.38 ug/ml
RT: 8.571 min Scan# 1305
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:237 Resp: 216440

Ion	Ratio	Lower	Upper
237	100		
214	74.7	59.4	89.2
249	57.7	46.4	69.6

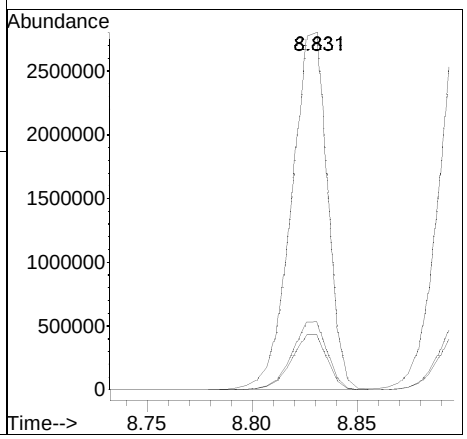


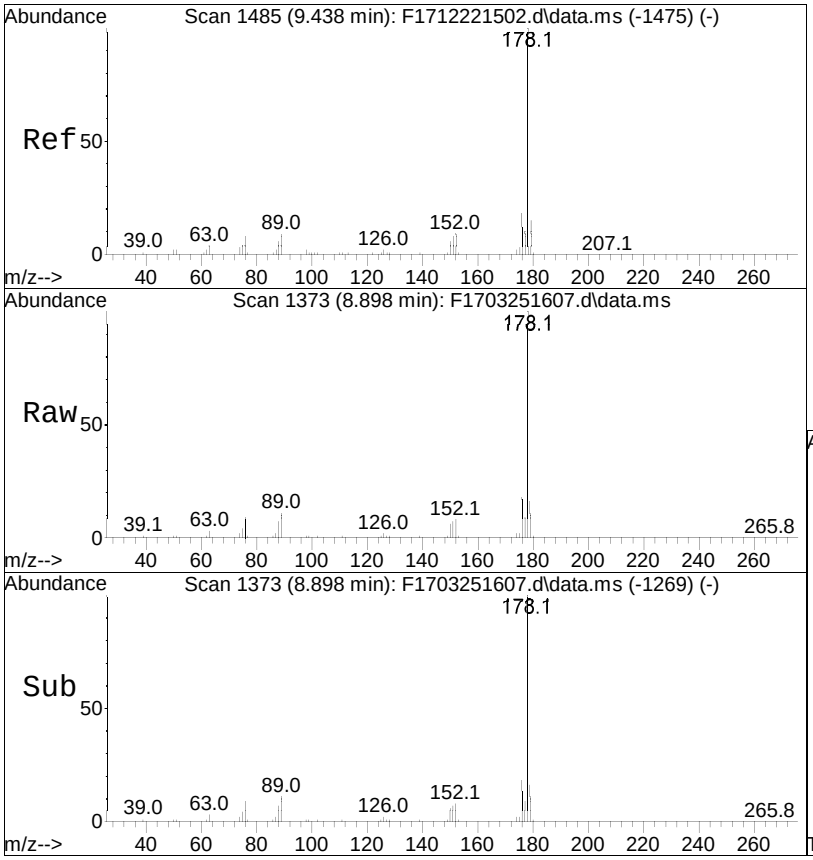


#71
Phenanthrene
Concen: 8.00 ug/mL
RT: 8.831 min Scan# 1359
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:178 Resp: 3345877

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.2
176	18.8	15.1	22.7

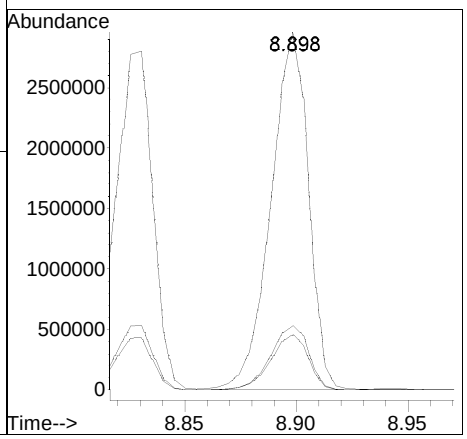


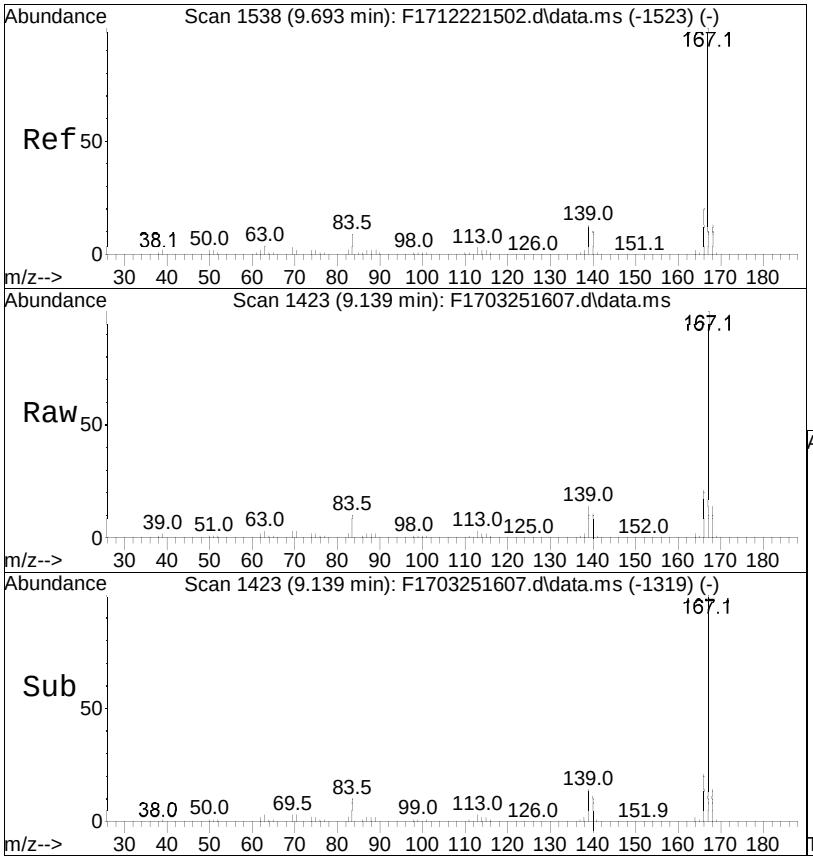


#72
Anthracene
Concen: 8.24 ug/mL M4
RT: 8.898 min Scan# 1373
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:178 Resp: 3447944

Ion	Ratio	Lower	Upper
178	100		
179	15.4	11.8	17.6
176	18.2	14.2	21.4

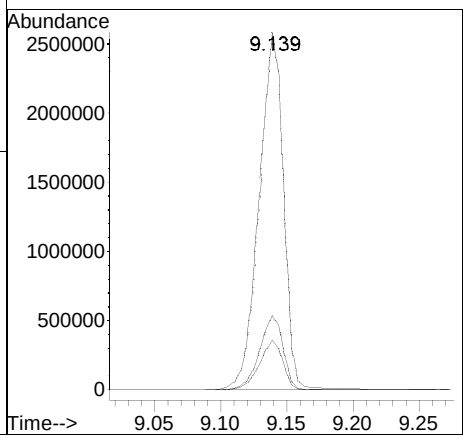


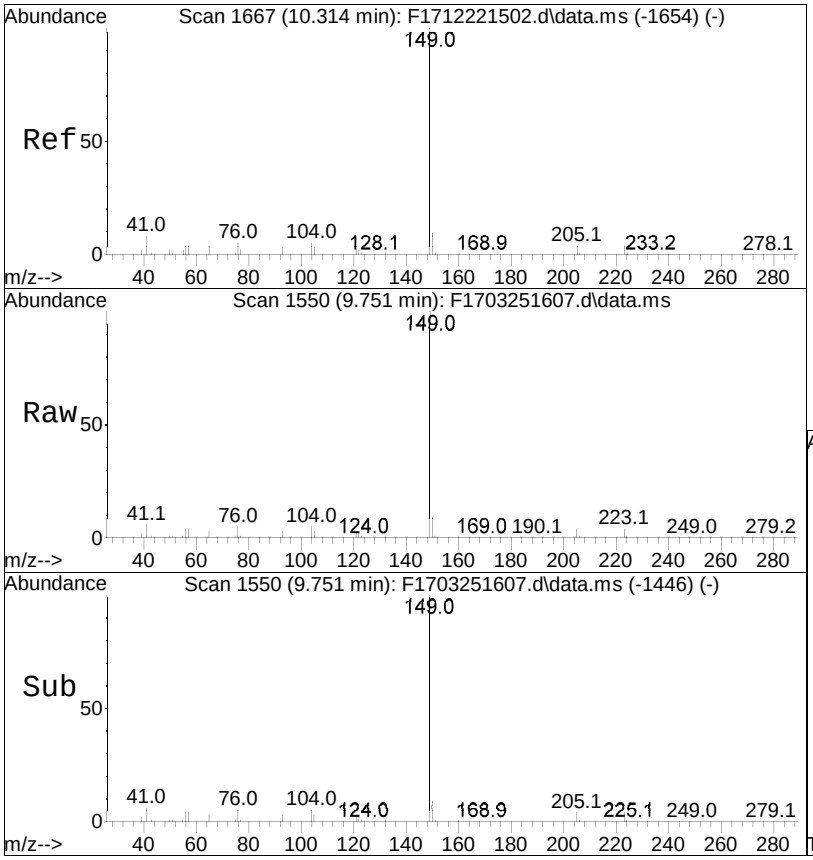


#73
Carbazole
Concen: 8.30 ug/mL
RT: 9.139 min Scan# 1423
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:167 Resp: 3253330

Ion	Ratio	Lower	Upper
167	100		
139	13.6	10.2	15.2
166	20.4	16.1	24.1

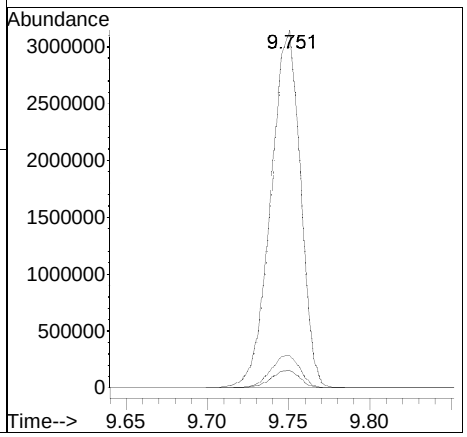


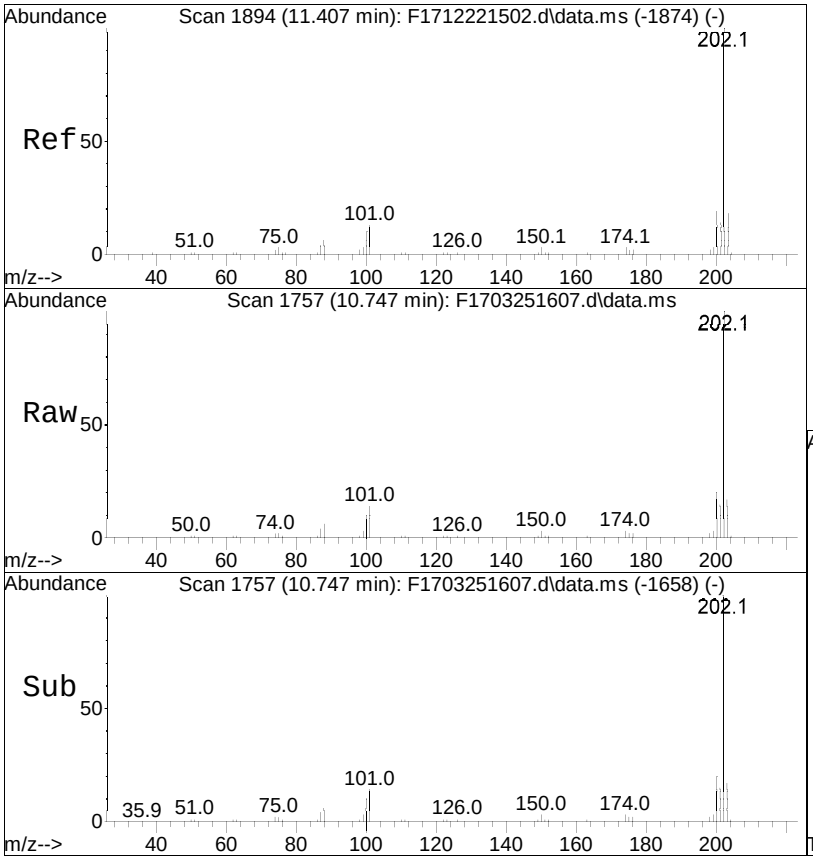


#74
Di-n-butylphthalate
Concen: 8.66 ug/mL
RT: 9.751 min Scan# 1550
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:149 Resp: 3950187

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.0	10.4
104	5.0	3.9	5.9

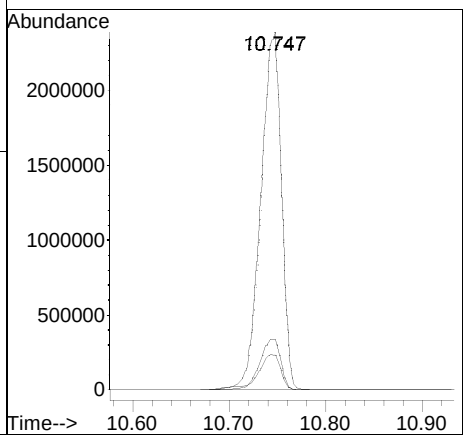


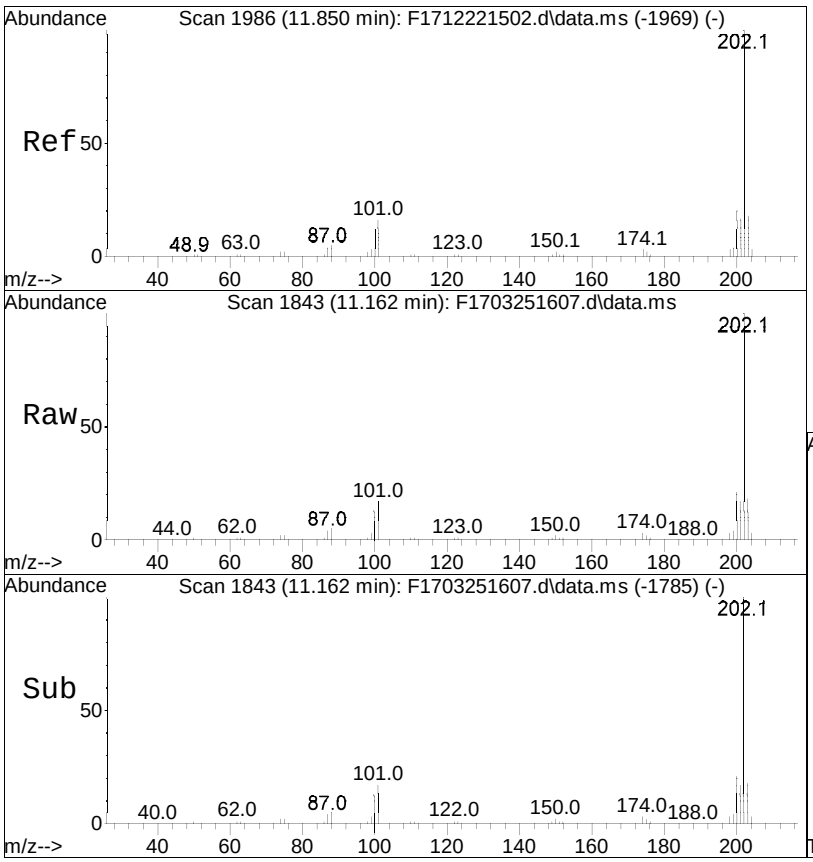


#75
Fluoranthene
Concen: 8.37 ug/mL
RT: 10.747 min Scan# 1757
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:202 Resp: 3479951

Ion	Ratio	Lower	Upper
202	100		
101	14.7	10.4	15.6
100	10.6	8.6	13.0

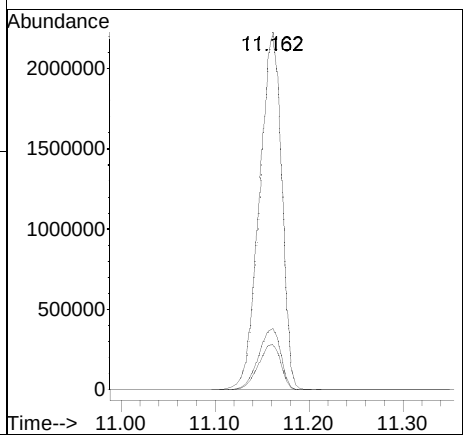


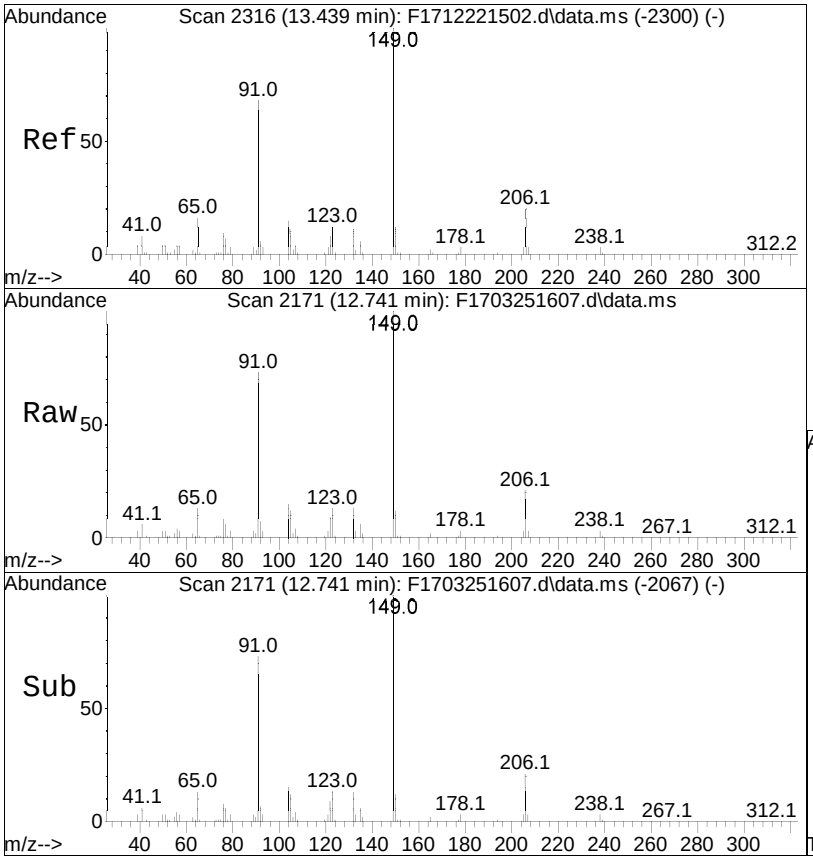


#78
Pyrene
Concen: 8.53 ug/mL
RT: 11.162 min Scan# 1843
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:202 Resp: 3603094

Ion	Ratio	Lower	Upper
202	100		
101	17.5	12.1	18.1
100	13.2	9.3	13.9

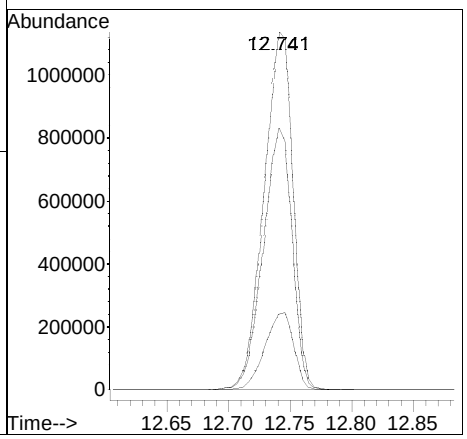


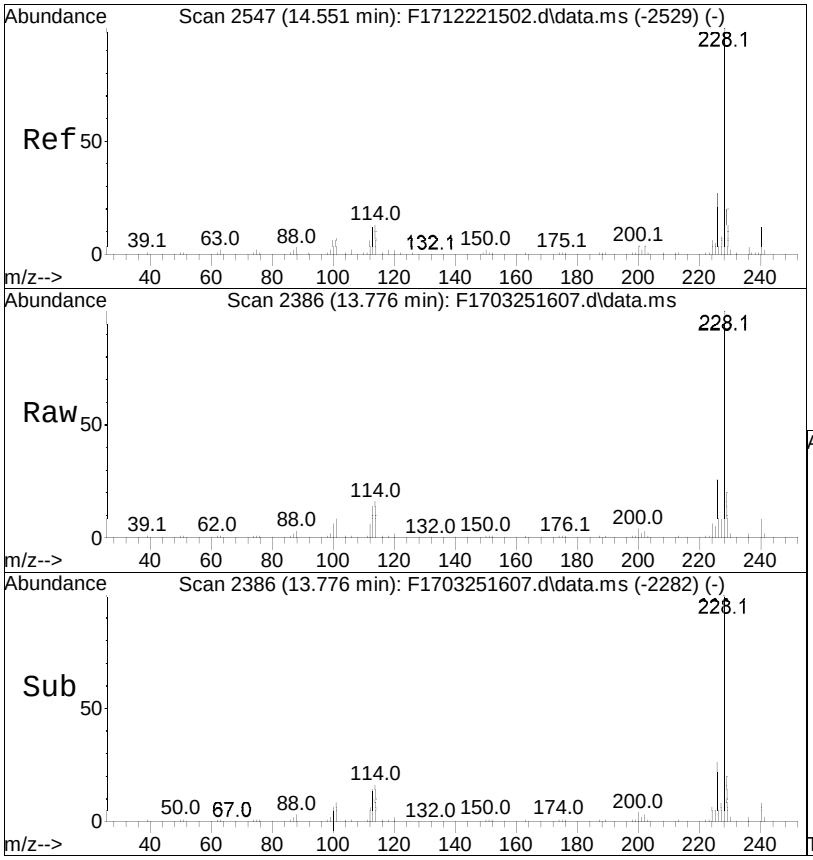


#80
Butylbenzylphthalate
Concen: 9.04 ug/mL
RT: 12.741 min Scan# 2171
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:149 Resp: 1852212

Ion	Ratio	Lower	Upper
149	100		
91	72.7	58.2	87.4
206	21.6	17.7	26.5

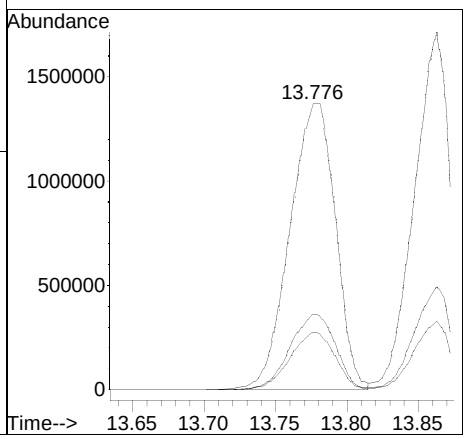


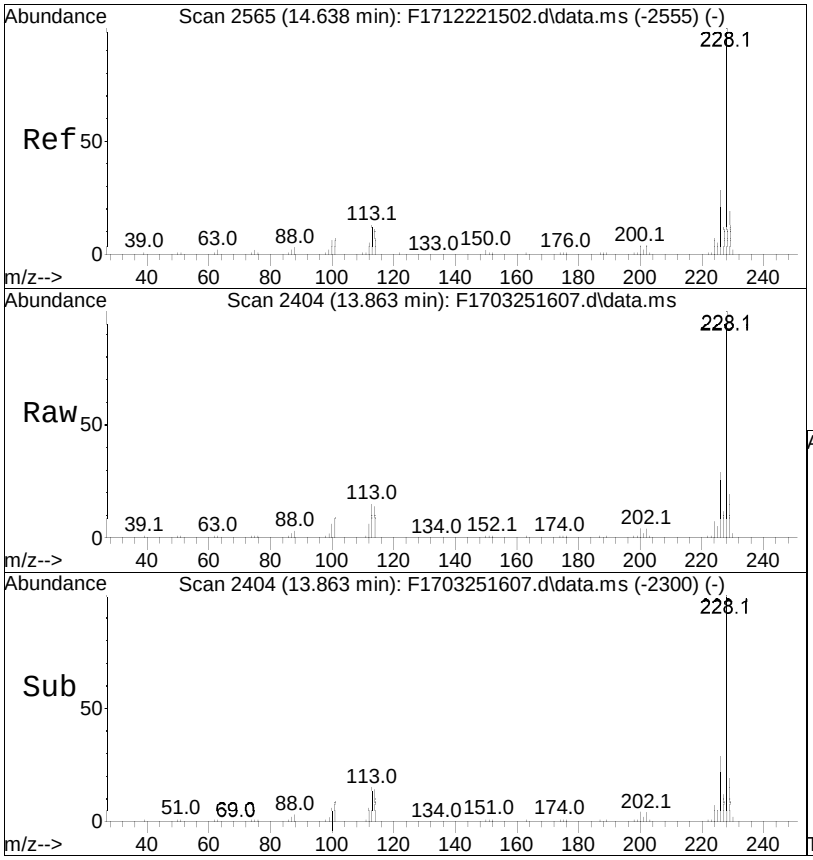


#82
Benz[a]anthracene
Concen: 8.49 ug/mL
RT: 13.776 min Scan# 2386
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:228 Resp: 3032481

Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.5	23.3
226	26.2	21.0	31.6

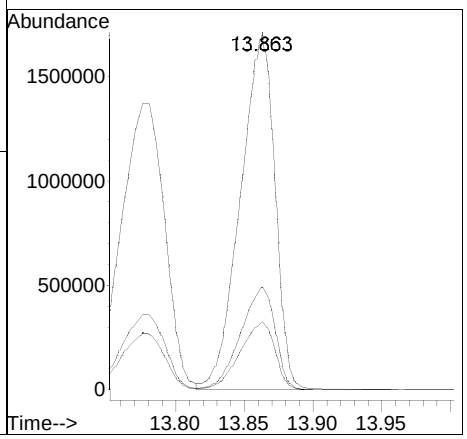


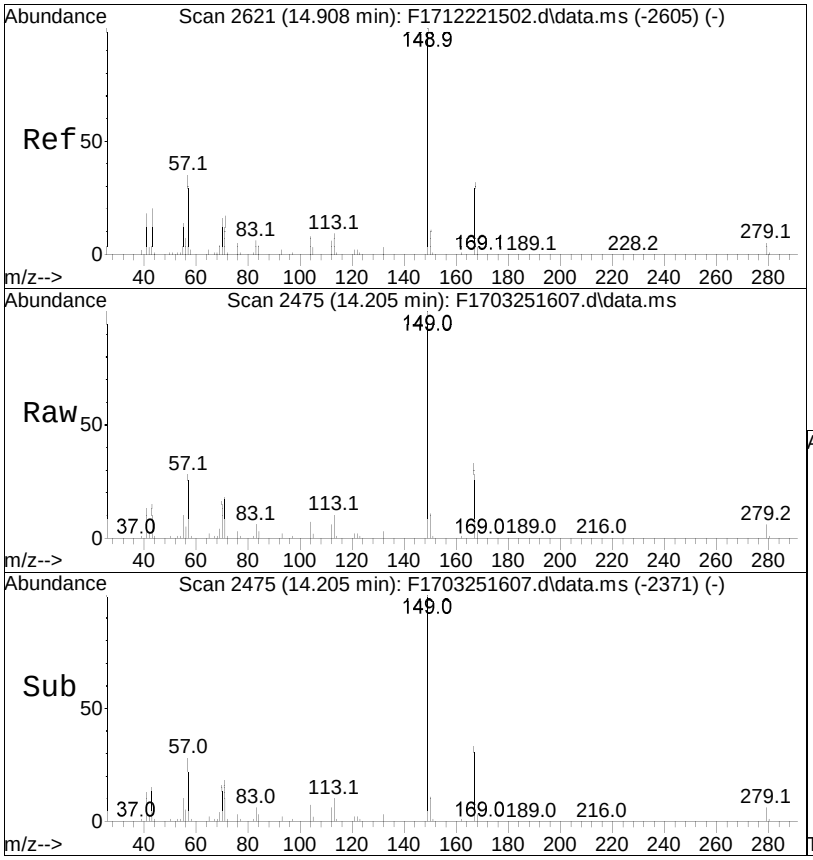


#83
Chrysene
Concen: 8.51 ug/mL
RT: 13.863 min Scan# 2404
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:228 Resp: 2967274

Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.9	34.3
229	19.3	15.3	22.9

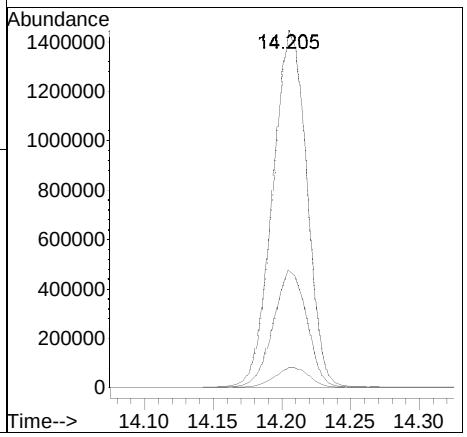


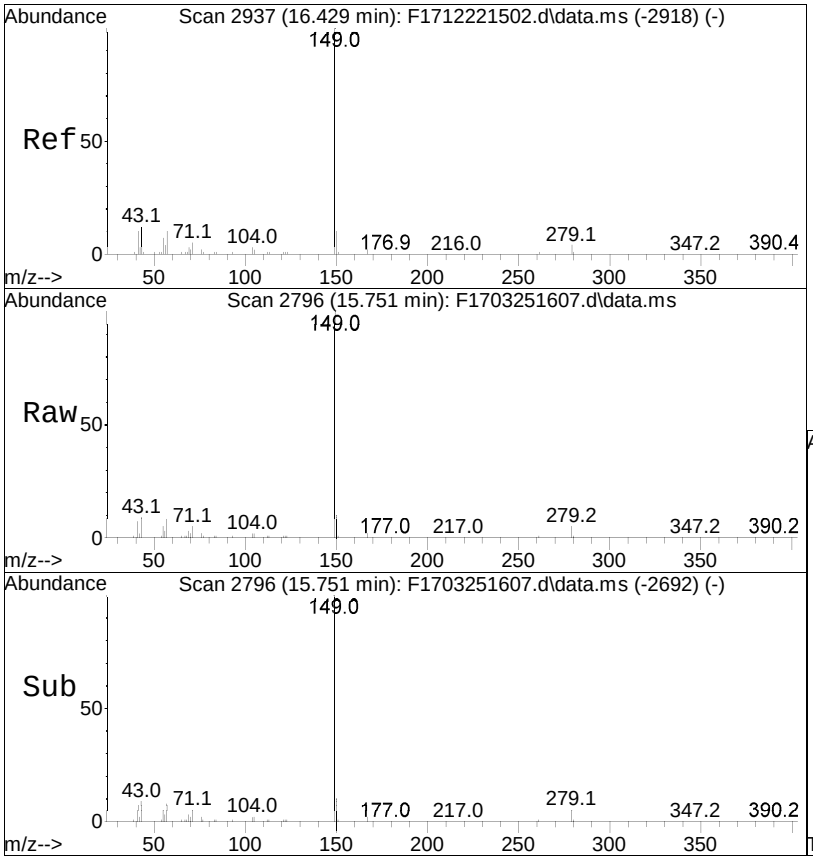


#84
bis(2-Ethylhexyl)phthalate
Concen: 9.56 ug/mL
RT: 14.205 min Scan# 2475
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:149 Resp: 2485912

Ion	Ratio	Lower	Upper
149	100		
167	32.6	24.3	36.5
279	5.7	4.2	6.2

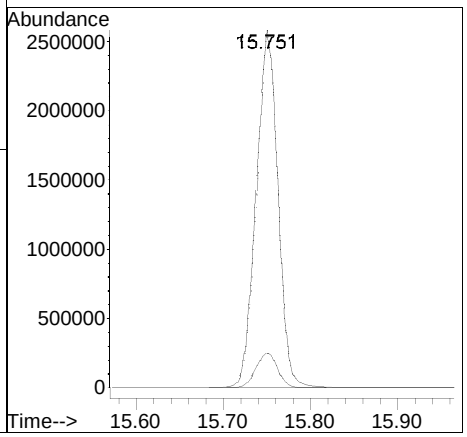


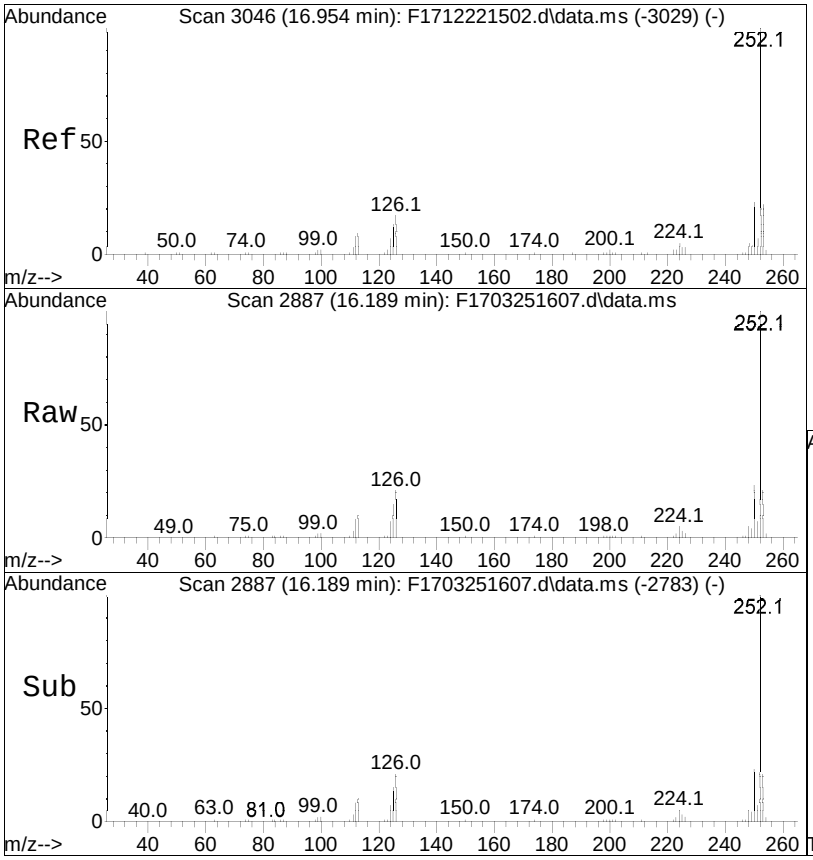


#86
Di-n-octylphthalate
Concen: 8.87 ug/mL
RT: 15.751 min Scan# 2796
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:149 Resp: 4389598

Ion	Ratio	Lower	Upper
149	100		
150	9.9	7.8	11.6

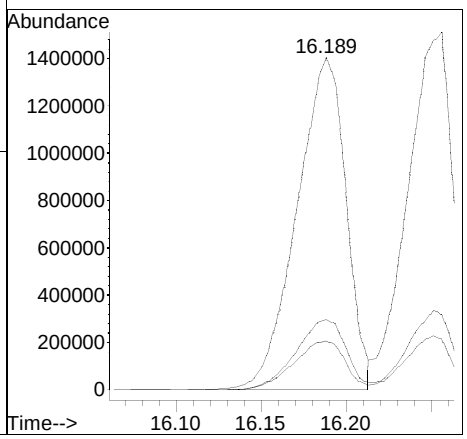


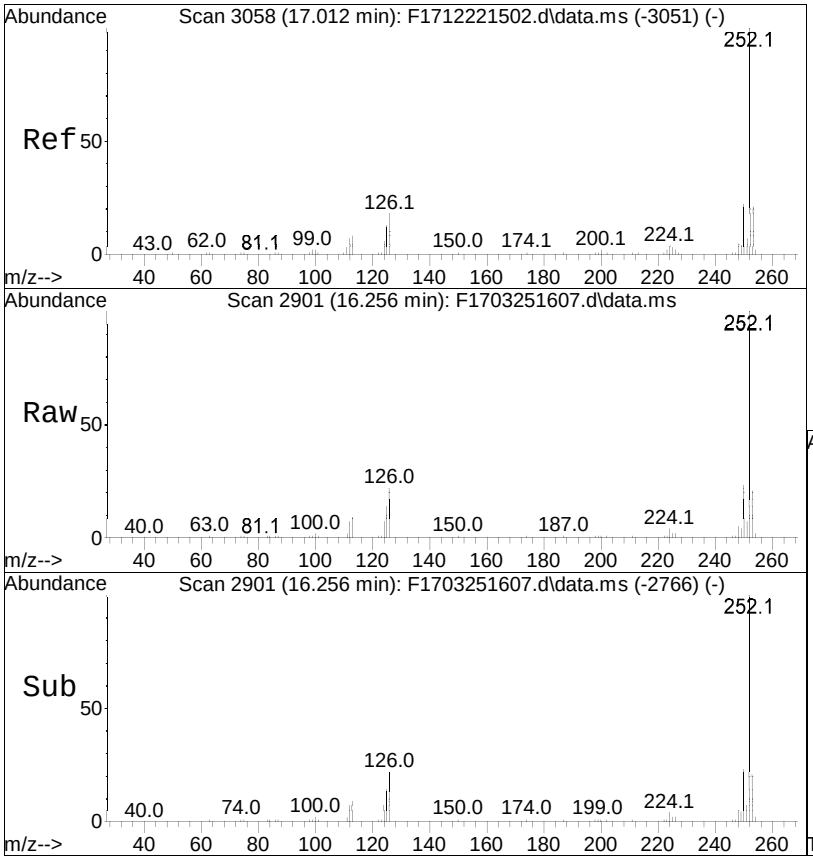


#87
Benzo[b]fluoranthene
Concen: 8.10 ug/mL M4
RT: 16.189 min Scan# 2887
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:252 Resp: 2813591

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	15.4	10.7	16.1

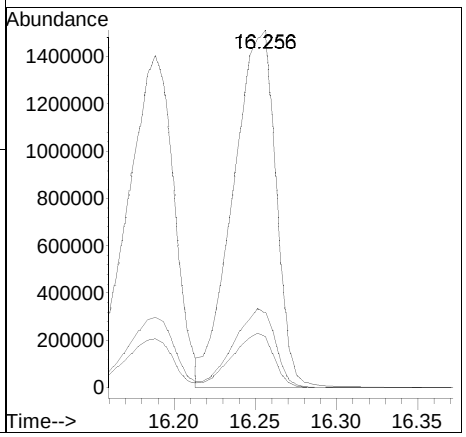


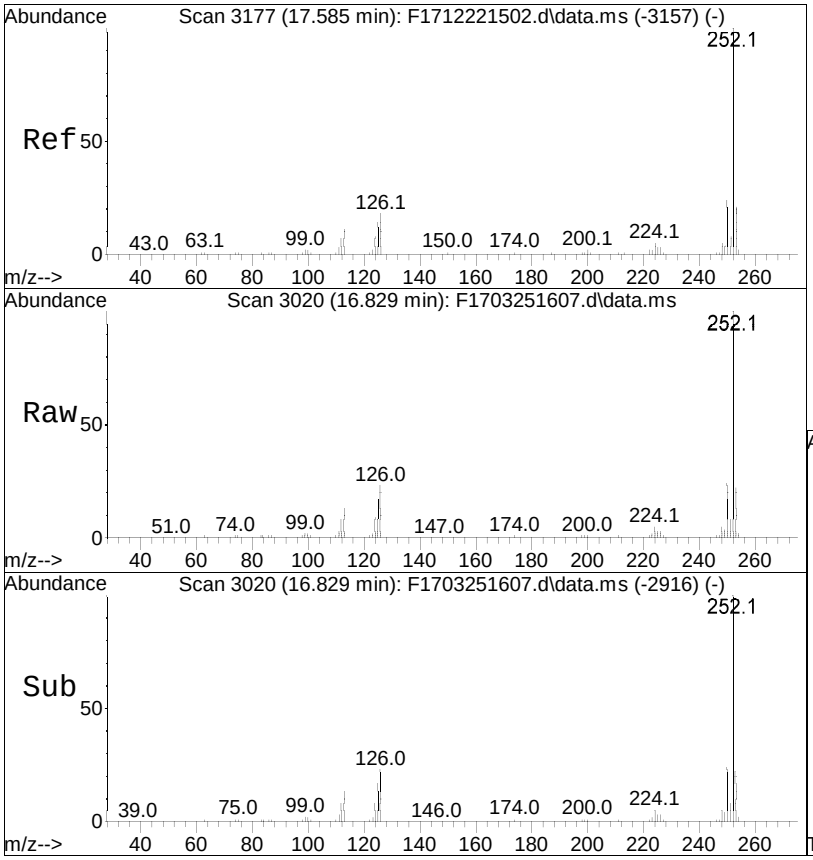


#88
Benzo[k]fluoranthene
Concen: 8.25 ug/mL
RT: 16.256 min Scan# 2901
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:252 Resp: 2762449

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.2	25.8
125	15.1	10.4	15.6

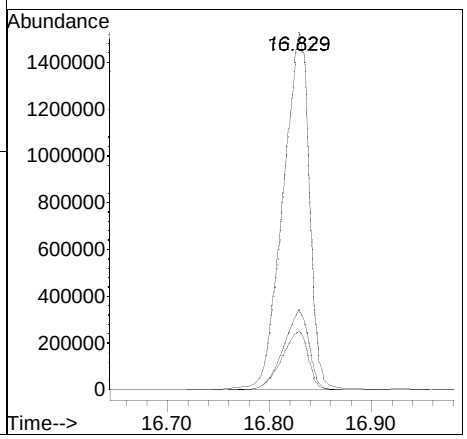


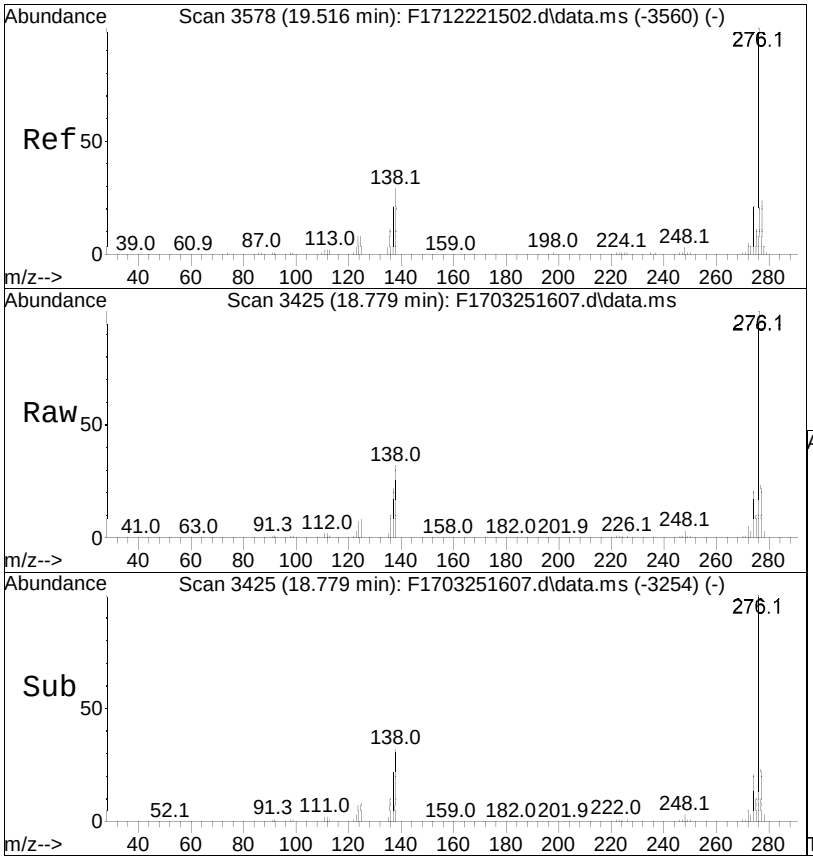


#89
Benzo[a]pyrene
Concen: 8.29 ug/mL
RT: 16.829 min Scan# 3020
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:252 Resp: 2719563

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.2
125	16.7	11.8	17.8

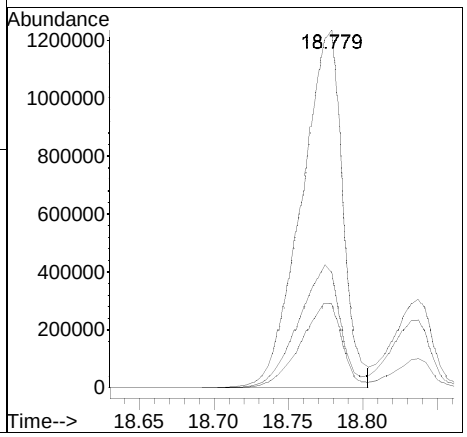


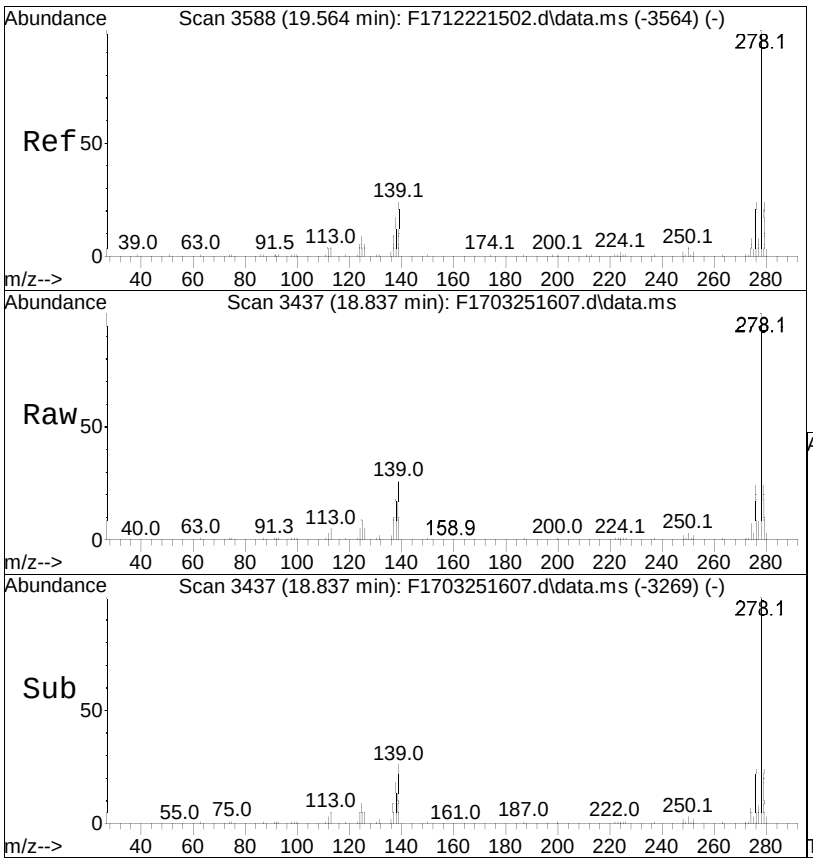


#90
Indeno[1,2,3-cd]pyrene
Concen: 8.64 ug/mL
RT: 18.779 min Scan# 3425
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:276 Resp: 2364187

Ion	Ratio	Lower	Upper
276	100		
138	34.9	25.0	37.4
277	24.1	19.1	28.7

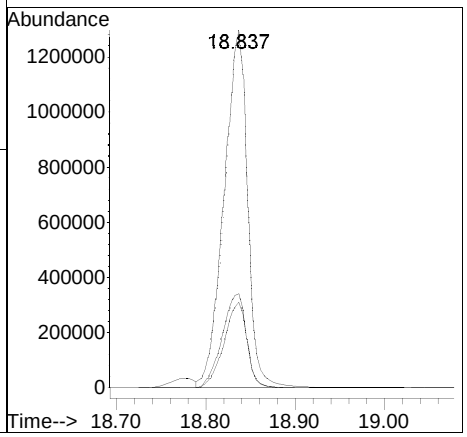


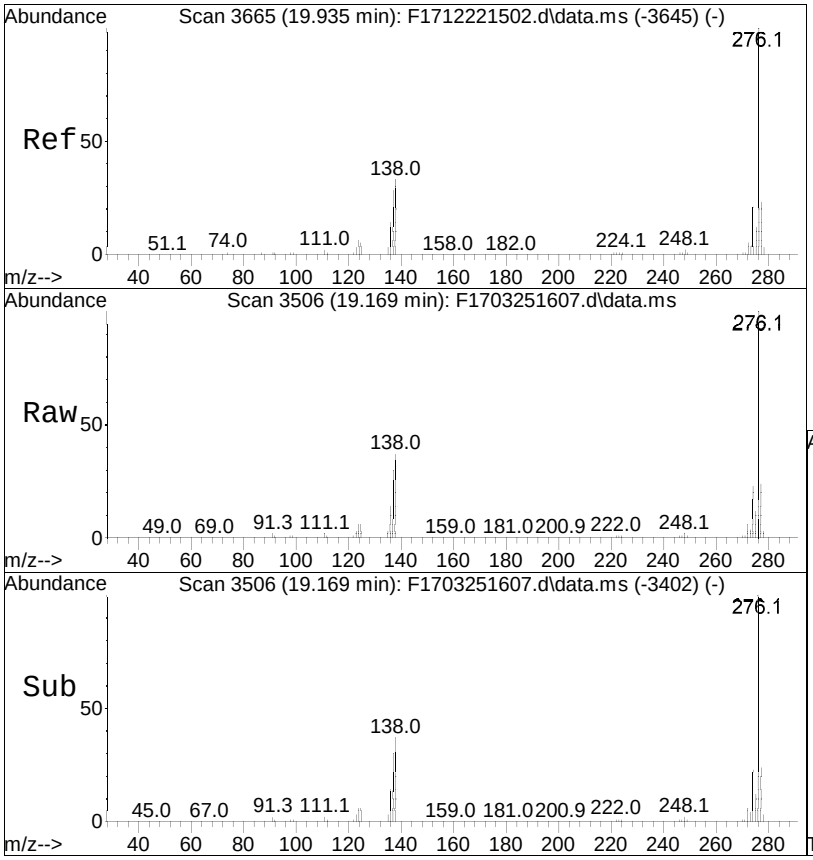


#91
Dibenz[a,h]anthracene
Concen: 8.58 ug/mL
RT: 18.837 min Scan# 3437
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:278 Resp: 2342085

Ion	Ratio	Lower	Upper
278	100		
139	27.8	19.0	28.6
279	24.2	18.8	28.2

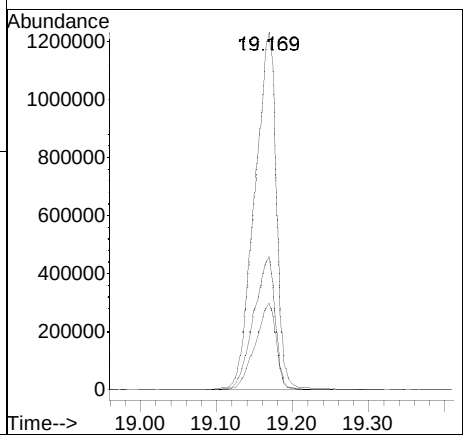




#92
Benzo[g,h,i]perylene
Concen: 8.84 ug/mL
RT: 19.169 min Scan# 3506
Delta R.T. 0.000 min
Lab File: F1703251607.d
Acq: 25 Mar 2016 7:57 pm

Tgt Ion:276 Resp: 2420504

Ion	Ratio	Lower	Upper
276	100		
138	37.4	26.3	39.5
277	23.9	18.9	28.3

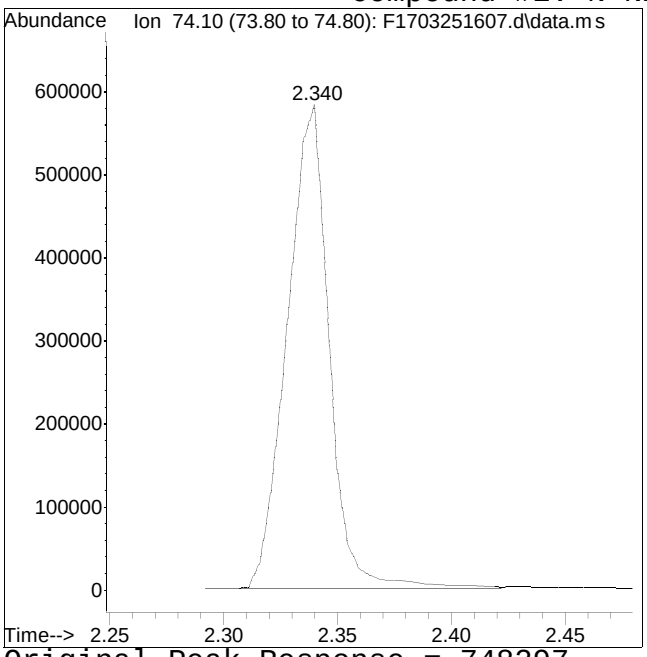


Manual Integration/Negative Proof Report

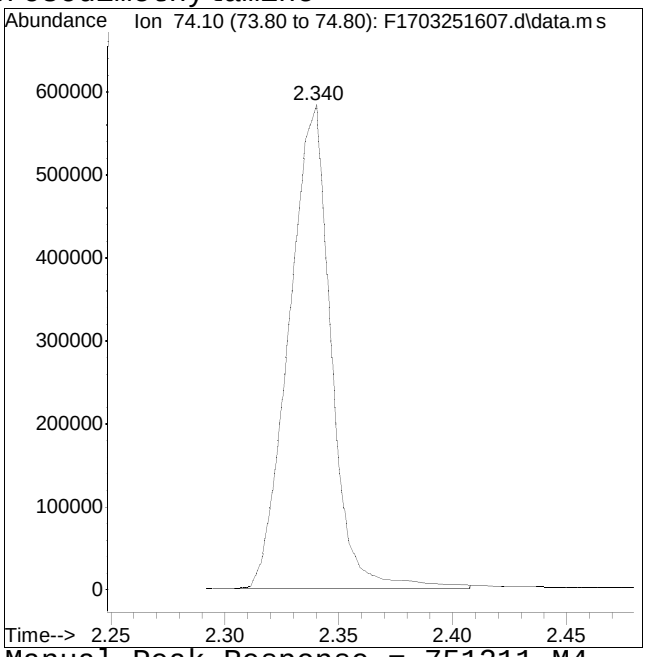
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251607.d
Date Inj'd : 3/25/2016 7:57 pm
Sample : I1703251605

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:52 am

Compound #2: N-Nitrosodimethylamine



Original Peak Response = 748297



Manual Peak Response = 751211 M4

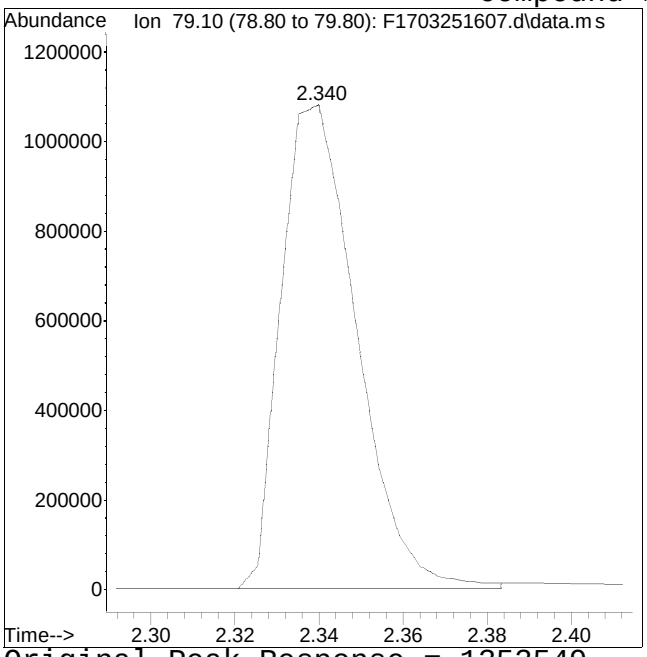
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

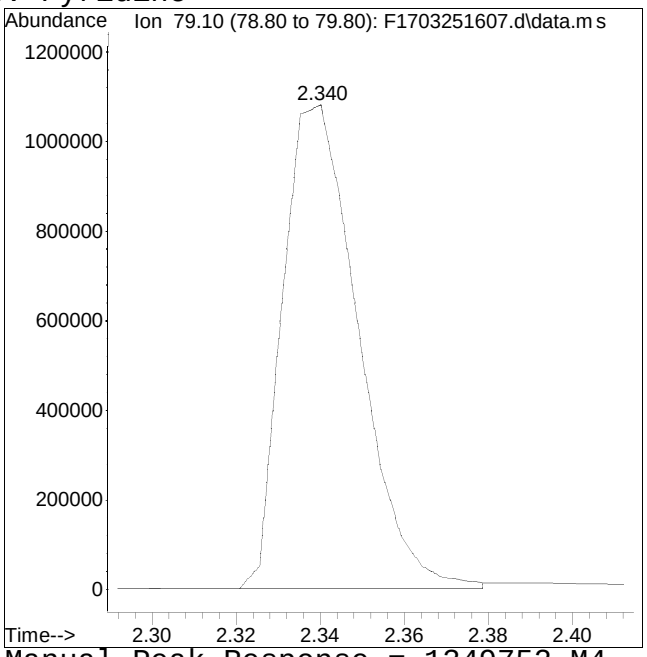
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251607.d
Date Inj'd : 3/25/2016 7:57 pm
Sample : I1703251605

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:52 am

Compound #3: Pyridine



Original Peak Response = 1353549



Manual Peak Response = 1349752 M4

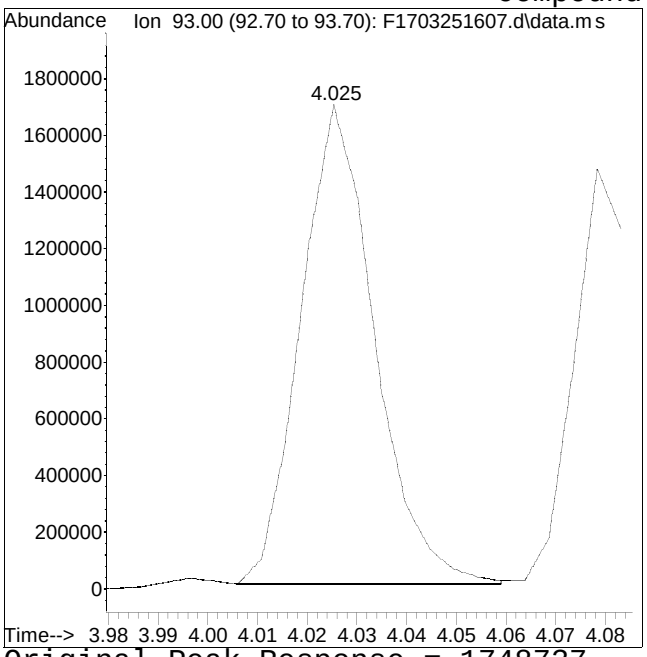
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

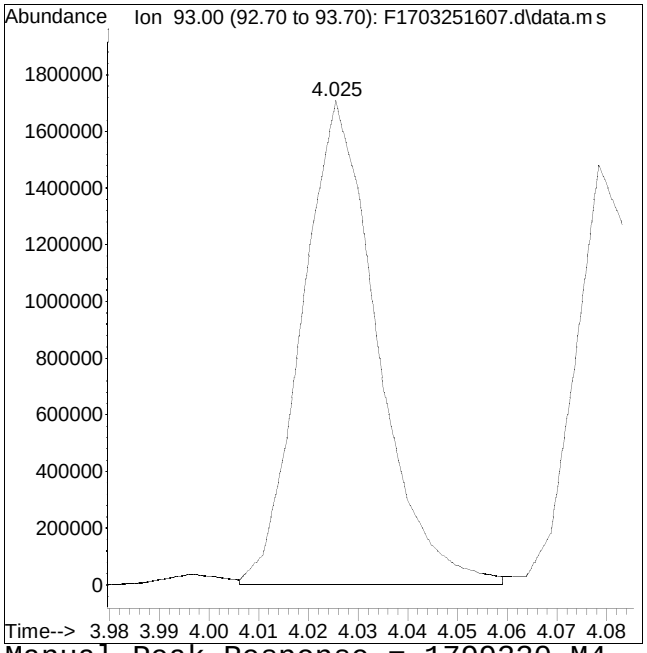
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251607.d
Date Inj'd : 3/25/2016 7:57 pm
Sample : I1703251605

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:52 am

Compound #6: Aniline



Original Peak Response = 1748737



Manual Peak Response = 1799330 M4

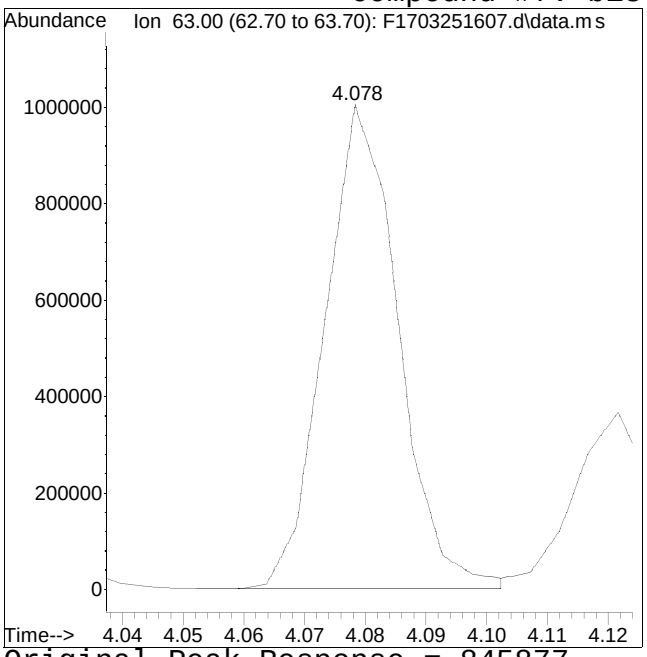
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

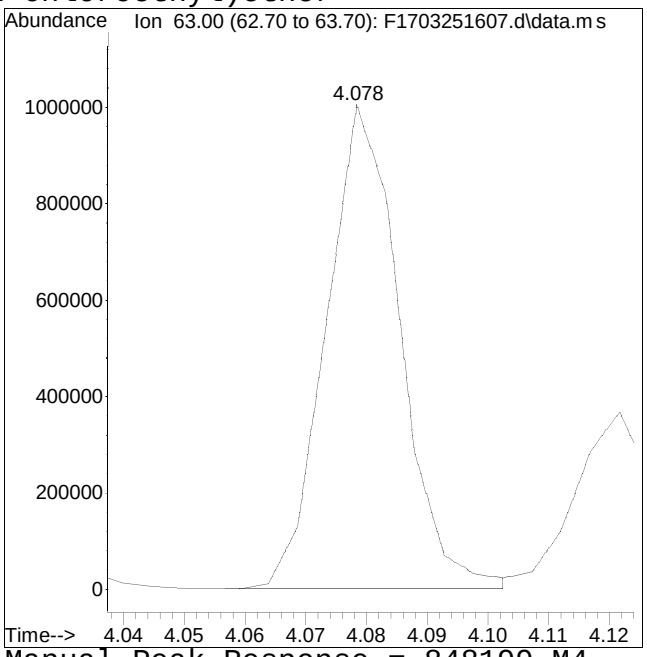
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251607.d
Date Inj'd : 3/25/2016 7:57 pm
Sample : I1703251605

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:52 am

Compound #7: bis(2-Chloroethyl)ether



Original Peak Response = 845877



Manual Peak Response = 848199 M4

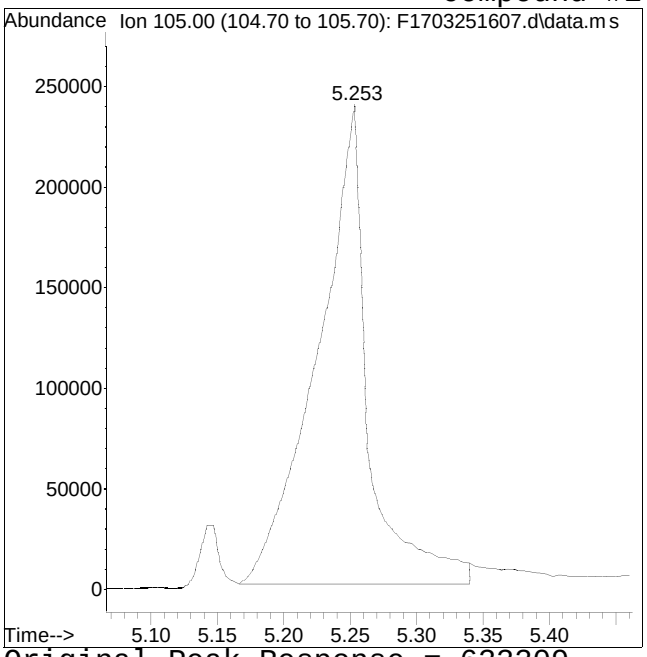
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

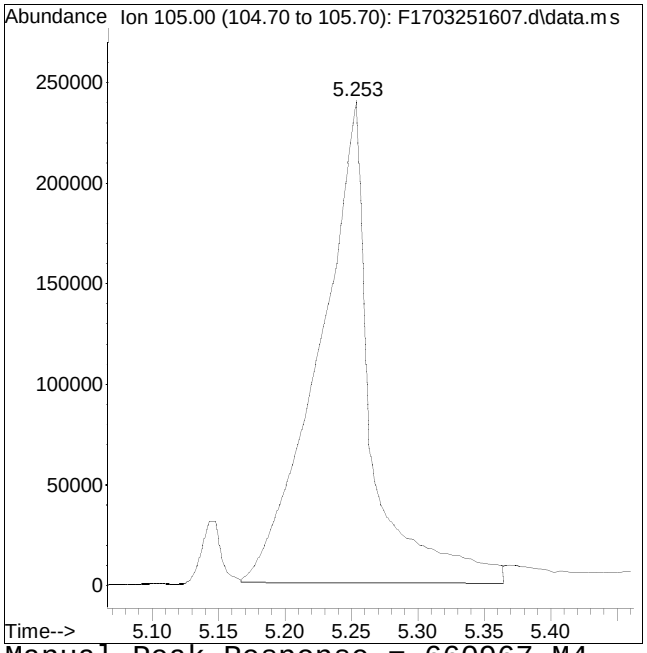
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251607.d
Date Inj'd : 3/25/2016 7:57 pm
Sample : I1703251605

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:52 am

Compound #27: Benzoic acid



Original Peak Response = 633309



Manual Peak Response = 660967 M4

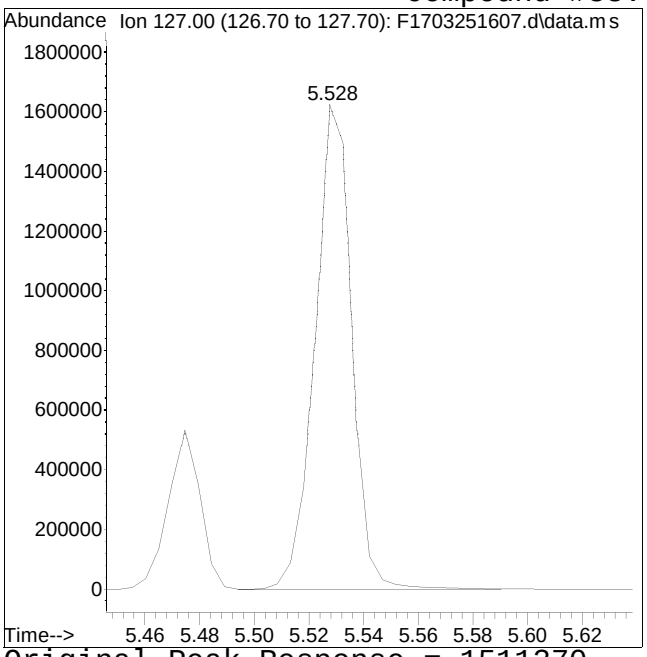
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

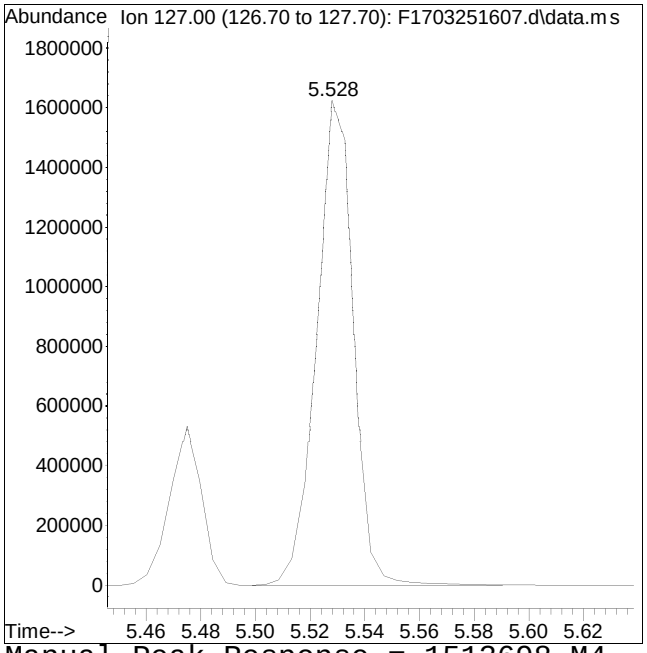
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251607.d
Date Inj'd : 3/25/2016 7:57 pm
Sample : I1703251605

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:52 am

Compound #33: 4-Chloroaniline



Original Peak Response = 1511370



Manual Peak Response = 1513698 M4

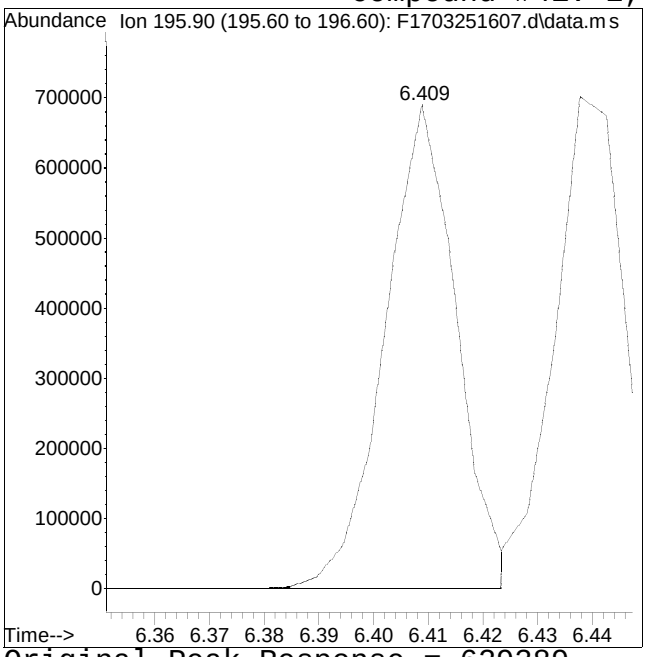
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

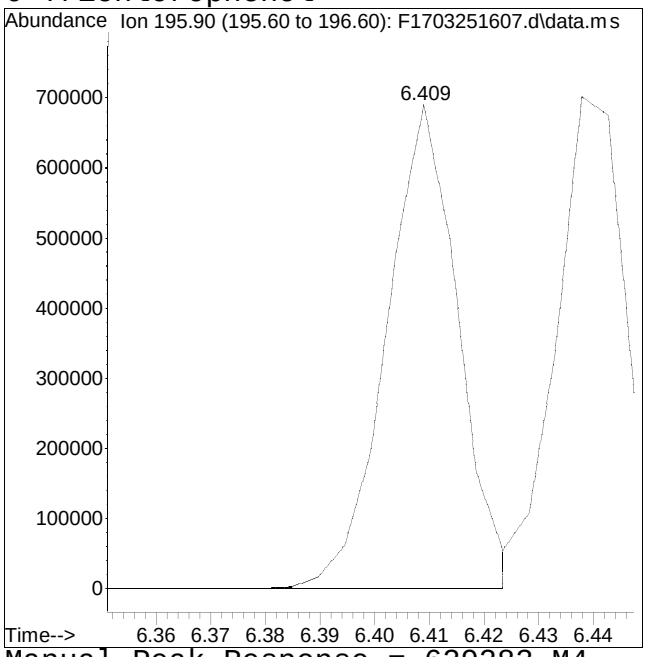
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251607.d
Date Inj'd : 3/25/2016 7:57 pm
Sample : I1703251605

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:52 am

Compound #41: 2,4,6-Trichlorophenol



Original Peak Response = 629389



Manual Peak Response = 629283 M4

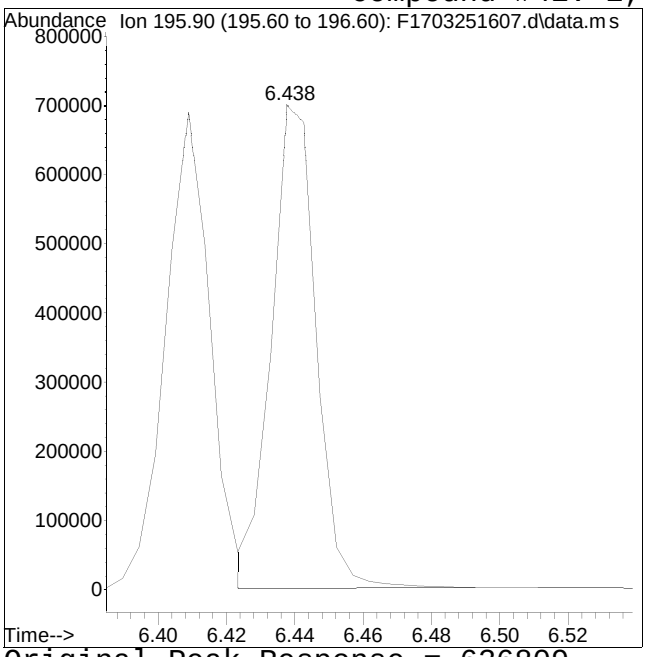
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

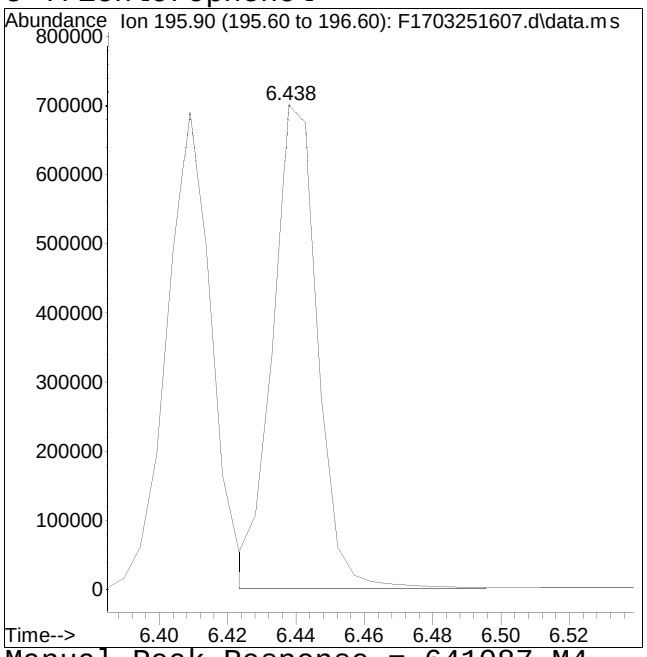
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251607.d
Date Inj'd : 3/25/2016 7:57 pm
Sample : I1703251605

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:52 am

Compound #42: 2,4,5-Trichlorophenol



Original Peak Response = 636809



Manual Peak Response = 641087 M4

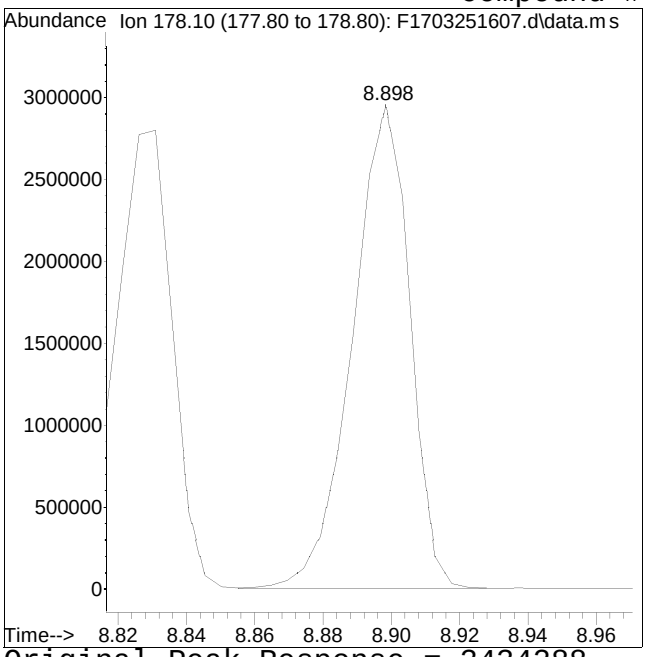
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

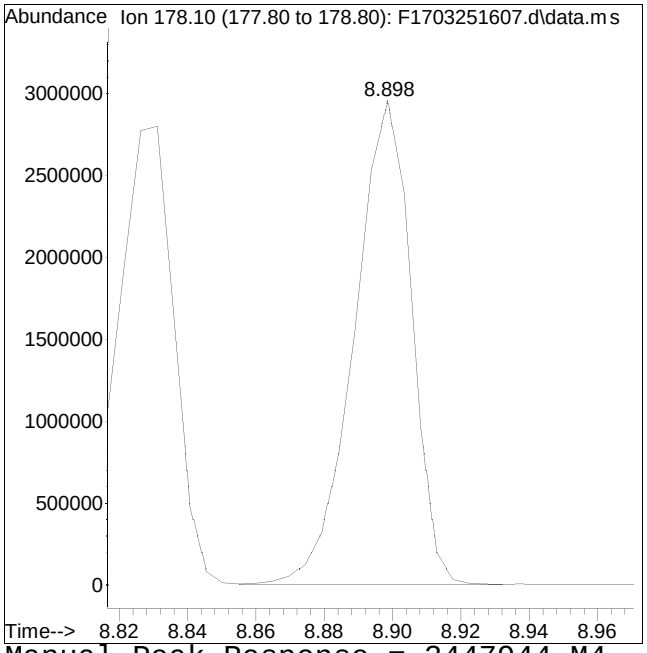
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251607.d
Date Inj'd : 3/25/2016 7:57 pm
Sample : I1703251605

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:52 am

Compound #72: Anthracene



Original Peak Response = 3434288



Manual Peak Response = 3447944 M4

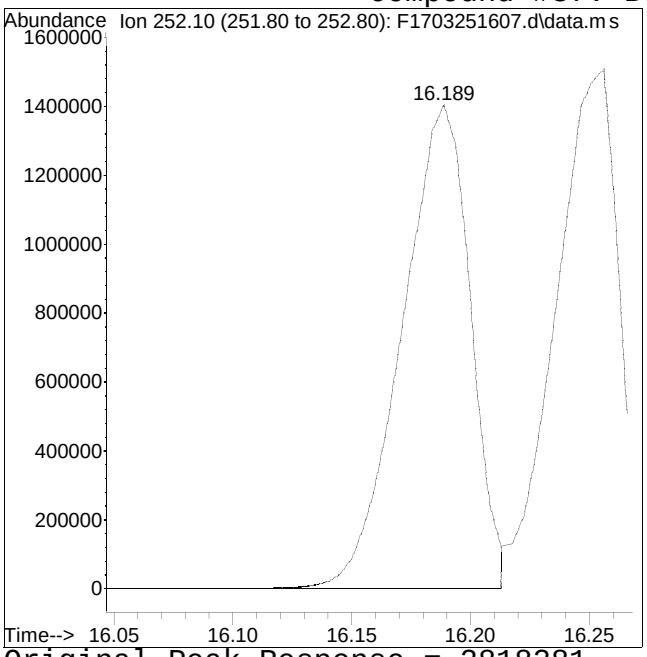
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

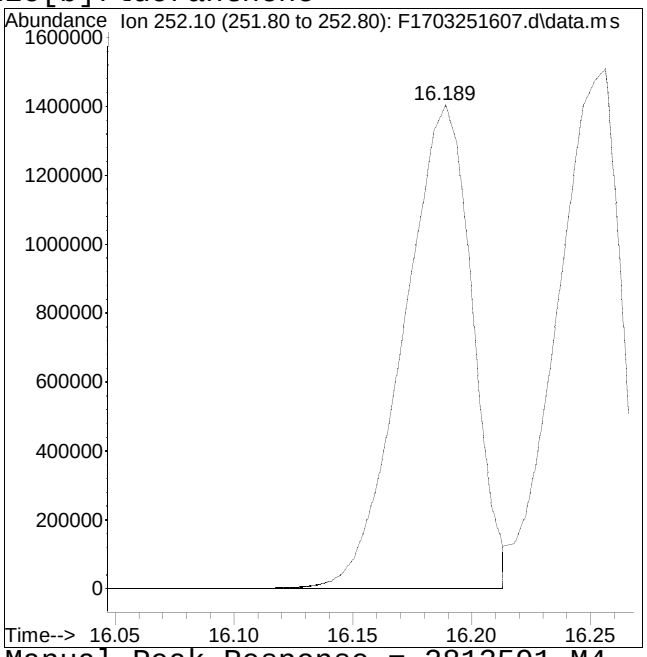
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251607.d
Date Inj'd : 3/25/2016 7:57 pm
Sample : I1703251605

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:52 am

Compound #87: Benzo[b]fluoranthene



Original Peak Response = 2818281



Manual Peak Response = 2813591 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251608.d
Acq On : 25 Mar 2016 8:26 pm
Operator : PAH17:ML
Sample : I1703251606
Misc : WG877746,MSAI30
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 26 11:16:10 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.300	152	478902	5.000	ug/mL	0.00
21) Naphthalene-d8	5.455	136	1971141	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.146	164	964816	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.797	188	1766369	5.000	ug/mL	0.00
76) Chrysene-d12	13.805	240	1437953	5.000	ug/mL	0.00
85) Perylene-d12	16.935	264	1350241	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.250	112	1719909	11.858	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 59.29%			
8) Phenol-d5	3.987	99	2125550	11.080	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 55.40%			
22) Nitrobenzene-d5	4.796	82	1741666	11.146	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 55.73%			
43) 2-Fluorobiphenyl	6.496	172	3102709	11.934	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 59.67%			
65) 2,4,6-Tribromophenol	7.950	330	278982	13.448	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 67.24%			
79) Terphenyl-d14	11.576	244	2886104	12.589	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 62.95%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.350	74	1089294	12.034	ug/mL#	67
3) Pyridine	2.345	79	1950850	11.964	ug/mL#	70
5) Benzaldehyde	0.000		0	N.D.		
6) Aniline	4.025	93	2518363M4	10.751	ug/ml	
7) bis(2-Chloroethyl)ether	4.078	63	1174531	8.973	ug/mL#	79
9) Phenol	4.001	94	2223891	10.822	ug/mL	93
10) 2-Chlorophenol	4.122	128	1863692	12.325	ug/mL	94
11) 1,3-Dichlorobenzene	4.252	146	1837184	11.291	ug/mL	99
12) 1,4-Dichlorobenzene	4.319	146	1846193	11.389	ug/mL	99
13) 1,2-Dichlorobenzene	4.449	146	1752543	11.410	ug/mL	99
14) Benzyl alcohol	4.425	108	1252366	11.999	ug/mL	97
15) bis(2-chloroisopropyl)eth	4.545	45	2270976	7.538	ug/mL#	87
16) 2-Methylphenol	4.521	108	1545188	11.202	ug/mL	99
17) Acetophenone	0.000		0	N.D. d		
18) Hexachloroethane	4.743	117	777562	11.562	ug/mL	89
19) N-Nitroso-di-n-propylamin	4.671	70	1210385	10.239	ug/mL#	77
20) 4-Methylphenol	4.661	108	1591672	10.676	ug/mL	100
23) Nitrobenzene	4.815	77	1812542	11.013	ug/mL	95

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251608.d
Acq On : 25 Mar 2016 8:26 pm
Operator : PAH17:ML
Sample : I1703251606
Misc : WG877746,MSAI30
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 26 11:16:10 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.041	82	2951482	11.828	ug/mL	100
25) 2-Nitrophenol	5.104	139	978557	13.537	ug/mL	93
26) 2,4-Dimethylphenol	5.147	107	1511963	10.607	ug/mL	100
27) Benzoic acid	5.272	105	1087457M4	12.139	ug/mL	
28) bis(2-Chloroethoxy)methan	5.239	93	2001983	11.671	ug/mL	98
29) 2,4-Dichlorophenol	5.325	162	1386677	12.502	ug/mL	98
30) 1,2,4-Trichlorobenzene	5.402	180	1425800	12.538	ug/mL	99
31) Naphthalene	5.475	128	4732907	11.766	ug/mL	99
32) 2-Chloroaniline	5.070	127	2517110	13.156	ug/ml	100
33) 4-Chloroaniline	5.528	127	2139290	13.345	ug/mL	100
34) Hexachlorobutadiene	5.590	225	689254	12.103	ug/mL	100
35) Caprolactam	0.000		0	N.D.		
36) 4-Chloro-3-methylphenol	5.995	107	1531651	11.693	ug/mL	99
37) 2-Methylnaphthalene	6.134	142	3138393	11.788	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.298	216	1136587	13.064	ug/mL	99
40) Hexachlorocyclopentadiene	6.288	237	502535	9.410	ug/mL	99
41) 2,4,6-Trichlorophenol	6.409	196	938481	12.828	ug/mL	98
42) 2,4,5-Trichlorophenol	6.438	196	921560M4	13.844	ug/mL	
44) Biphenyl	0.000		0	N.D. d		
45) 2-Chloronaphthalene	6.606	162	2957016	12.035	ug/mL	98
46) 2-Nitroaniline	6.712	65	931722	10.191	ug/mL	89
47) Acenaphthylene	7.006	152	4761071	11.786	ug/mL	100
48) Dimethylphthalate	6.900	163	3330384	12.211	ug/mL	99
49) 2,6-Dinitrotoluene	6.958	165	805844M4	13.400	ug/mL	
50) Acenaphthene	7.175	153	3055359	11.368	ug/mL	99
51) 3-Nitroaniline	7.117	138	944747	13.045	ug/mL	98
52) 2,4-Dinitrophenol	7.223	184	429761	11.427	ug/mL#	90
53) Dibenzofuran	7.348	168	3657264	11.275	ug/mL	99
54) 2,3,4,6-Tetrachlorophenol	7.468	232	602907	12.663		98
55) 2,4-Dinitrotoluene	7.348	165	995712	12.729	ug/mL#	81
56) 4-Nitrophenol	7.290	109	480401	10.946	ug/mL	94
57) Fluorene	7.690	166	3125538	11.732	ug/mL	98
58) 4-Chlorophenyl-phenylethe	7.699	204	1378506	12.062	ug/mL	99
59) Diethylphthalate	7.598	149	3425054	12.081	ug/mL	100
60) 4-Nitroaniline	7.728	138	1016041	13.416	ug/mL	94
62) 4,6-Dinitro-2-methylpheno	7.762	198	615064	12.050	ug/mL#	100
63) Azobenzene	7.868	182	1030000	12.414	ug/mL	95
64) n-Nitrosodiphenylamine	7.829	169	2426615	12.201	ug/mL	99
66) 4-Bromophenyl-phenylether	8.243	248	764137	12.506	ug/mL	98
67) Hexachlorobenzene	8.301	284	736321	12.707	ug/mL	97
68) Atrazine	0.000		0	N.D. d		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251608.d
Acq On : 25 Mar 2016 8:26 pm
Operator : PAH17:ML
Sample : I1703251606
Misc : WG877746,MSAI30
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 26 11:16:10 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	8.552	266	514372	11.000	ug/mL	99
70) Pentachloronitrobenzene	8.571	237	319799	12.371	ug/ml	99
71) Phenanthrene	8.831	178	4858369	11.597	ug/mL	100
72) Anthracene	8.898	178	4931340M4	11.775	ug/mL	
73) Carbazole	9.144	167	4721681	12.037	ug/mL	99
74) Di-n-butylphthalate	9.751	149	5638605	12.345	ug/mL	99
75) Fluoranthene	10.747	202	4959901	11.912	ug/mL	98
77) Benzidine	0.000		0	N.D.		
78) Pyrene	11.166	202	5191566	12.506	ug/mL	96
80) Butylbenzylphthalate	12.746	149	2661066	13.215	ug/mL	99
81) 3,3'-Dichlorobenzidine	0.000		0	N.D. d		
82) Benz[a]anthracene	13.786	228	4421226	12.598	ug/mL	99
83) Chrysene	13.868	228	4207903	12.287	ug/mL	99
84) bis(2-Ethylhexyl)phthalat	14.210	149	3537635	13.841	ug/mL	96
86) Di-n-octylphthalate	15.755	149	6253749	12.739	ug/mL	100
87) Benzo[b]fluoranthene	16.198	252	4251914	12.339	ug/mL	98
88) Benzo[k]fluoranthene	16.261	252	3841115	11.565	ug/mL	98
89) Benzo[a]pyrene	16.839	252	3919613	12.035	ug/mL	99
90) Indeno[1,2,3-cd]pyrene	18.784	276	3532910	13.009	ug/mL	98
91) Dibenz[a,h]anthracene	18.842	278	3545349	13.082	ug/mL	98
92) Benzo[g,h,i]perylene	19.179	276	3548845	13.060	ug/mL	97

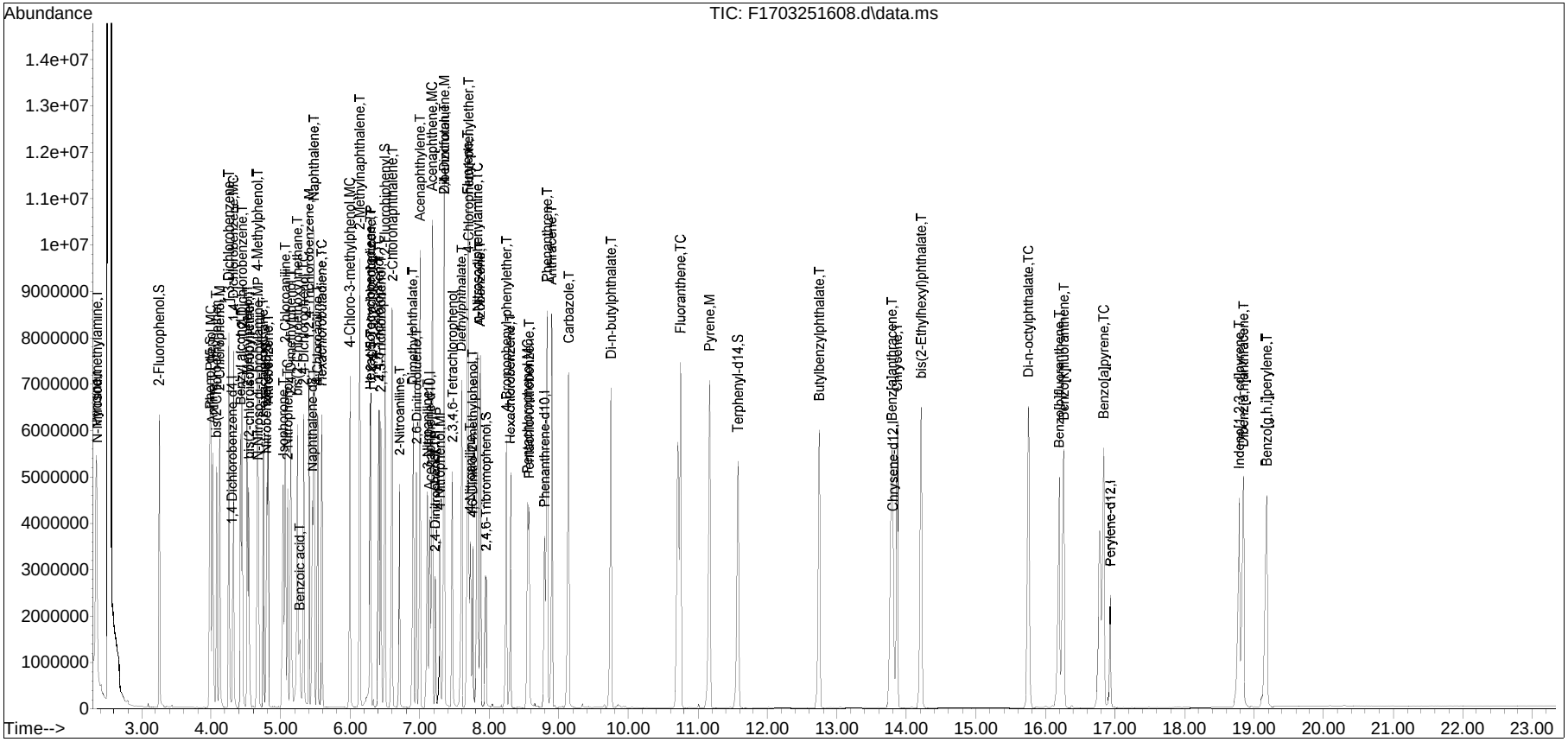
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251608.d
Acq On : 25 Mar 2016 8:26 pm
Operator : PAH17:ML
Sample : I1703251606
Misc : WG877746,MSAI30
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 26 11:16:10 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

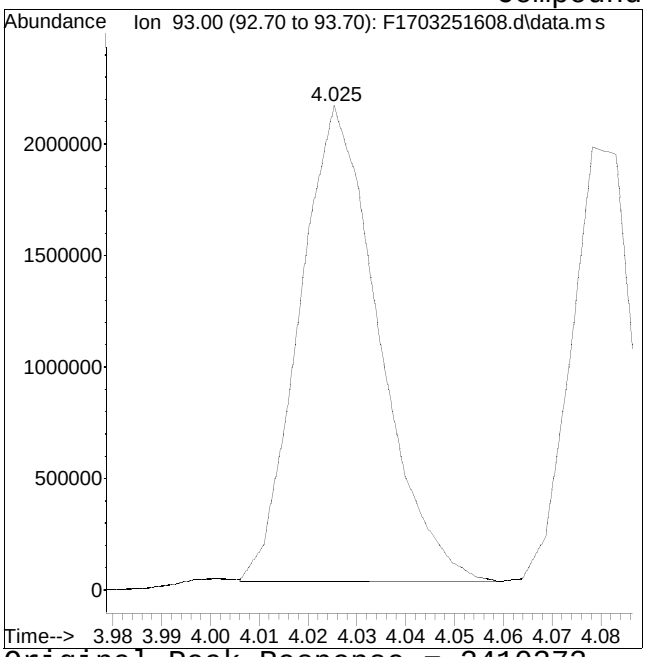


Manual Integration/Negative Proof Report

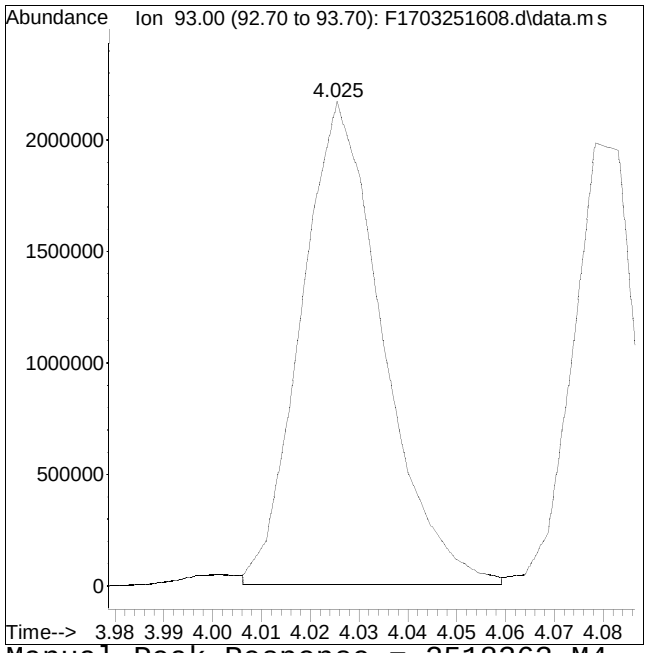
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251608.d
Date Inj'd : 3/25/2016 8:26 pm
Sample : I1703251606

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #6: Aniline



Original Peak Response = 2410373



Manual Peak Response = 2518363 M4

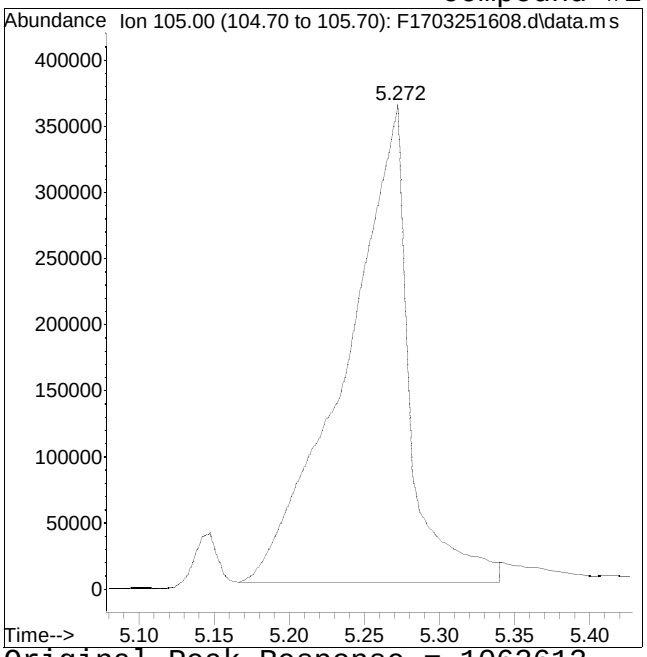
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

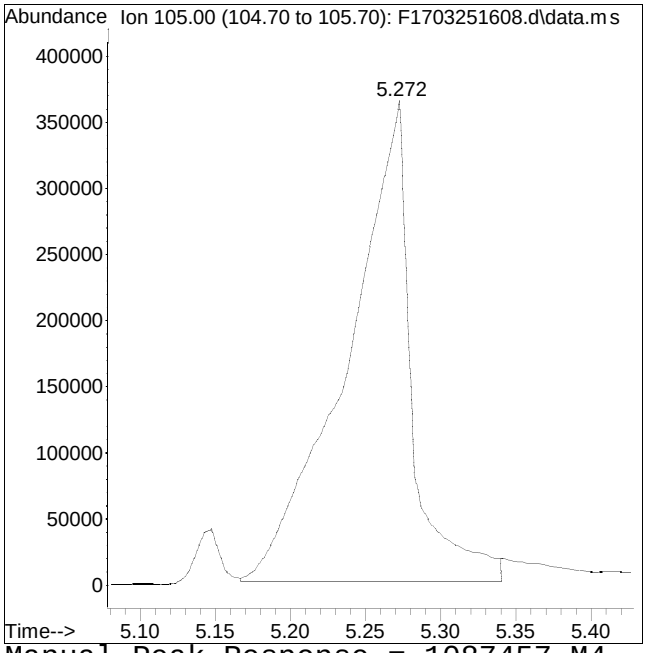
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251608.d
Date Inj'd : 3/25/2016 8:26 pm
Sample : I1703251606

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #27: Benzoic acid



Original Peak Response = 1063613



Manual Peak Response = 1087457 M4

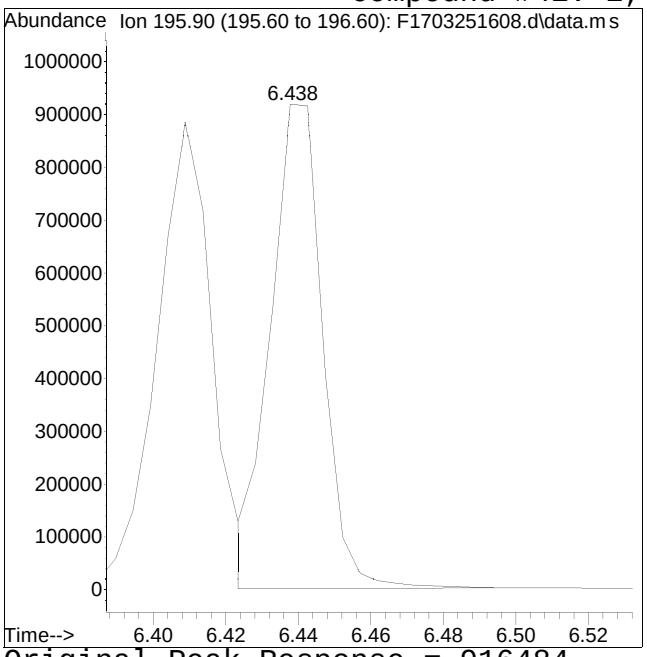
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

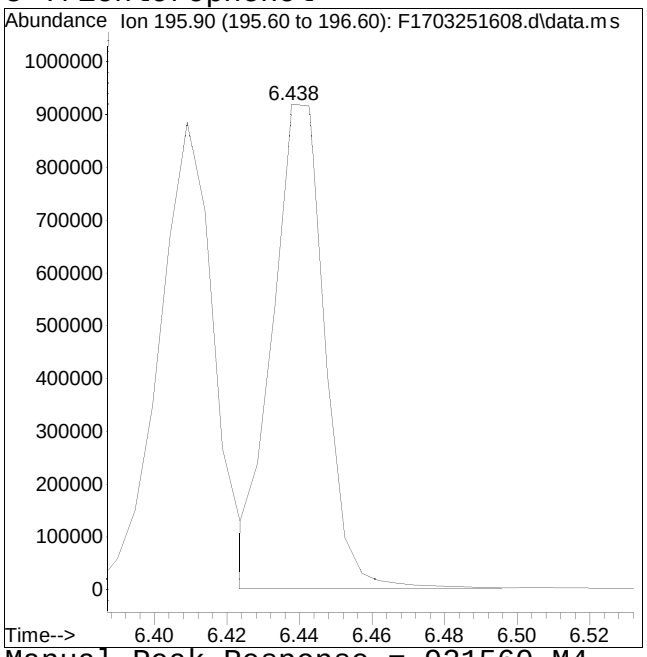
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251608.d
Date Inj'd : 3/25/2016 8:26 pm
Sample : I1703251606

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #42: 2,4,5-Trichlorophenol



Original Peak Response = 916484



Manual Peak Response = 921560 M4

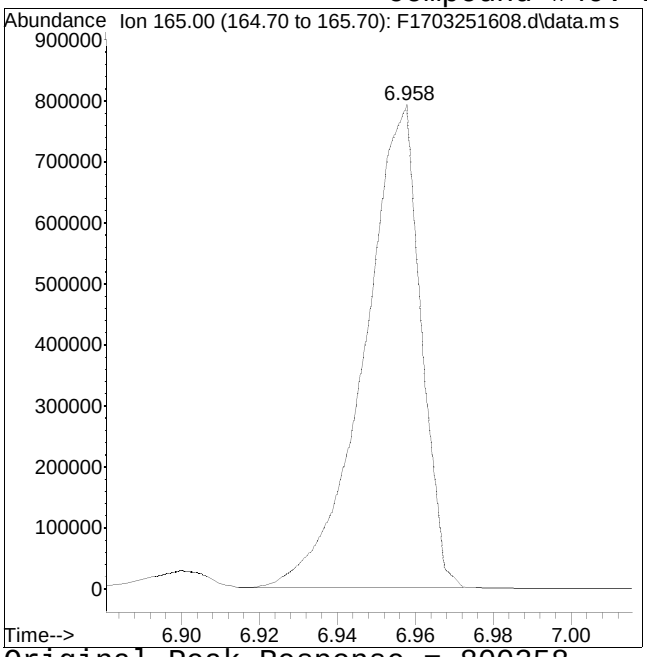
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

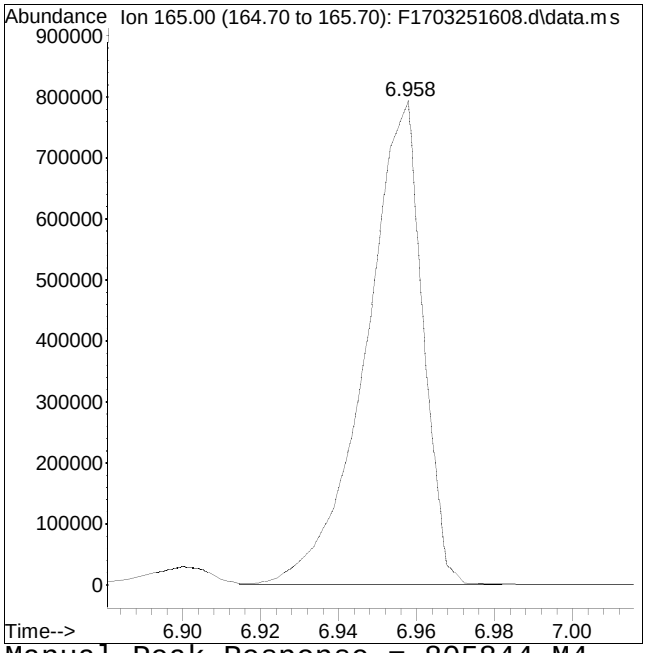
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251608.d
Date Inj'd : 3/25/2016 8:26 pm
Sample : I1703251606

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #49: 2,6-Dinitrotoluene



Original Peak Response = 800358



Manual Peak Response = 805844 M4

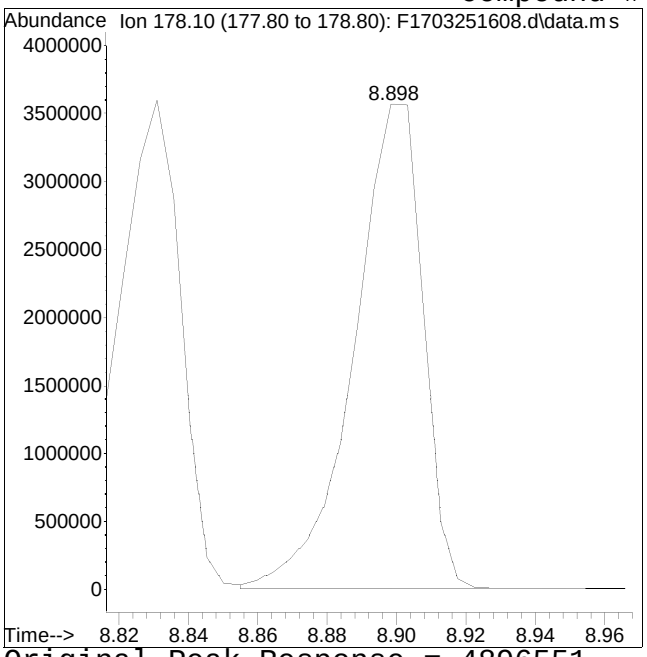
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

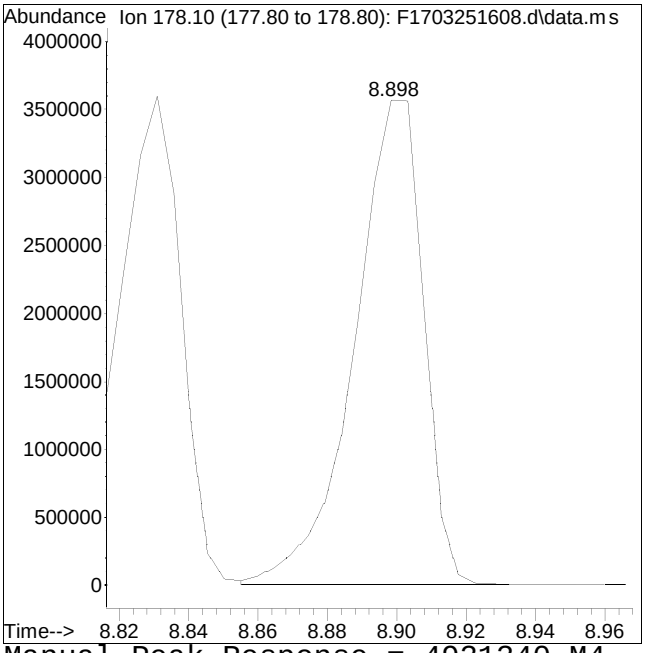
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251608.d
Date Inj'd : 3/25/2016 8:26 pm
Sample : I1703251606

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #72: Anthracene



Original Peak Response = 4896551



Manual Peak Response = 4931340 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251609.d
Acq On : 25 Mar 2016 8:55 pm
Operator : PAH17:ML
Sample : I1703251607
Misc : WG877746,MSAI29
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 26 11:18:48 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.305	152	479657	5.000	ug/mL	0.00
21) Naphthalene-d8	5.455	136	1986729	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.146	164	970546	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.797	188	1781261	5.000	ug/mL	0.00
76) Chrysene-d12	13.815	240	1438648	5.000	ug/mL	0.01
85) Perylene-d12	16.945	264	1392740	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.255	112	2560271	17.624	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 88.12%			
8) Phenol-d5	3.996	99	3256435	16.948	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 84.74%			
22) Nitrobenzene-d5	4.801	82	2750509	17.464	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 87.32%			
43) 2-Fluorobiphenyl	6.500	172	4799983	18.354	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 91.77%			
65) 2,4,6-Tribromophenol	7.955	330	482704	23.074	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 115.37%			
79) Terphenyl-d14	11.585	244	4625881	20.168	ug/mL	0.01
Spiked Amount 20.000	Range 33 - 141		Recovery = 100.84%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.378	74	1760830	19.422	ug/mL#	68
3) Pyridine	2.359	79	3239149	19.833	ug/mL#	69
5) Benzaldehyde	0.000		0	N.D.		
6) Aniline	4.030	93	4057248	17.294	ug/ml#	1
7) bis(2-Chloroethyl)ether	4.088	63	1800341M4	13.733	ug/mL	
9) Phenol	4.006	94	3355969	16.305	ug/mL	96
10) 2-Chlorophenol	4.126	128	2923696	19.304	ug/mL	93
11) 1,3-Dichlorobenzene	4.256	146	2842160	17.439	ug/mL	99
12) 1,4-Dichlorobenzene	4.319	146	2833299	17.451	ug/mL	100
13) 1,2-Dichlorobenzene	4.449	146	2681619	17.432	ug/mL	100
14) Benzyl alcohol	4.430	108	1947127	18.627	ug/mL	97
15) bis(2-chloroisopropyl)eth	4.550	45	3432321	11.375	ug/mL#	89
16) 2-Methylphenol	4.526	108	2388006	17.284	ug/mL	100
17) Acetophenone	0.000		0	N.D. d		
18) Hexachloroethane	4.748	117	1195034	17.741	ug/mL	92
19) N-Nitroso-di-n-propylamin	4.685	70	1920535	16.221	ug/mL#	76
20) 4-Methylphenol	4.671	108	2491511	16.685	ug/mL	99
23) Nitrobenzene	4.820	77	2788031	16.807	ug/mL	94

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251609.d
Acq On : 25 Mar 2016 8:55 pm
Operator : PAH17:ML
Sample : I1703251607
Misc : WG877746,MSAI29
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 26 11:18:48 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.046	82	4577994	18.203	ug/mL	99
25) 2-Nitrophenol	5.109	139	1572687	21.586	ug/mL	94
26) 2,4-Dimethylphenol	5.152	107	2351259	16.365	ug/mL	100
27) Benzoic acid	5.301	105	2051667M4	22.722	ug/mL	
28) bis(2-Chloroethoxy)methan	5.244	93	3151282	18.227	ug/mL	99
29) 2,4-Dichlorophenol	5.330	162	2204618	19.720	ug/mL	98
30) 1,2,4-Trichlorobenzene	5.407	180	2236993	19.516	ug/mL	99
31) Naphthalene	5.480	128	7139534	17.610	ug/mL	98
32) 2-Chloroaniline	5.075	127	3869515	20.066	ug/ml	99
33) 4-Chloroaniline	5.537	127	3340946	20.678	ug/mL	99
34) Hexachlorobutadiene	5.595	225	1087609	18.948	ug/mL	100
35) Caprolactam	0.000		0	N.D.		
36) 4-Chloro-3-methylphenol	6.000	107	2350200	17.801	ug/mL	99
37) 2-Methylnaphthalene	6.139	142	4761962	17.747	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.303	216	1793654	20.494	ug/mL	99
40) Hexachlorocyclopentadiene	6.289	237	883482	16.445	ug/mL	99
41) 2,4,6-Trichlorophenol	6.414	196	1554197	21.119	ug/mL	98
42) 2,4,5-Trichlorophenol	6.443	196	1418183M4	21.179	ug/mL	
44) Biphenyl	0.000		0	N.D. d		
45) 2-Chloronaphthalene	6.606	162	4530174	18.329	ug/mL	97
46) 2-Nitroaniline	6.717	65	1500130	16.311	ug/mL	88
47) Acenaphthylene	7.011	152	7270633	17.892	ug/mL	99
48) Dimethylphthalate	6.910	163	5275455	19.229	ug/mL	99
49) 2,6-Dinitrotoluene	6.963	165	1328297	21.957	ug/mL	97
50) Acenaphthene	7.179	153	4648639	17.193	ug/mL	98
51) 3-Nitroaniline	7.122	138	1525572	20.941	ug/mL	99
52) 2,4-Dinitrophenol	7.227	184	862003	20.864	ug/mL#	86
53) Dibenzofuran	7.353	168	5531566	16.952	ug/mL	99
54) 2,3,4,6-Tetrachlorophenol	7.473	232	1021492	21.328		99
55) 2,4-Dinitrotoluene	7.357	165	1588990	20.193	ug/mL#	78
56) 4-Nitrophenol	7.300	109	815023	18.460	ug/mL	95
57) Fluorene	7.695	166	4610500	17.204	ug/mL	98
58) 4-Chlorophenyl-phenylethe	7.704	204	2060313	17.922	ug/mL	99
59) Diethylphthalate	7.608	149	5221450	18.309	ug/mL	98
60) 4-Nitroaniline	7.743	138	1619833	21.263	ug/mL	94
62) 4,6-Dinitro-2-methylpheno	7.772	198	1081860	20.107	ug/mL#	100
63) Azobenzene	7.878	182	1619175	19.352	ug/mL	89
64) n-Nitrosodiphenylamine	7.839	169	3770517	18.800	ug/mL	100
66) 4-Bromophenyl-phenylether	8.248	248	1245540	20.214	ug/mL	99
67) Hexachlorobenzene	8.311	284	1218795	20.858	ug/mL	100
68) Atrazine	0.000		0	N.D. d		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251609.d
Acq On : 25 Mar 2016 8:55 pm
Operator : PAH17:ML
Sample : I1703251607
Misc : WG877746,MSAI29
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 26 11:18:48 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	8.561	266	901992	19.129	ug/mL	98
70) Pentachloronitrobenzene	8.576	237	516914	19.829	ug/ml	99
71) Phenanthrene	8.841	178	7460469	17.659	ug/mL	98
72) Anthracene	8.908	178	7699805M4	18.232	ug/mL	
73) Carbazole	9.149	167	7182600	18.157	ug/mL	99
74) Di-n-butylphthalate	9.760	149	8650810	18.781	ug/mL	98
75) Fluoranthene	10.762	202	7771277	18.507	ug/mL	99
77) Benzidine	0.000		0	N.D.		
78) Pyrene	11.181	202	8273248	19.919	ug/mL	98
80) Butylbenzylphthalate	12.755	149	4239904	21.045	ug/mL	98
81) 3,3'-Dichlorobenzidine	0.000		0	N.D. d		
82) Benz[a]anthracene	13.796	228	7111813	20.255	ug/mL	99
83) Chrysene	13.887	228	6835696	19.951	ug/mL	98
84) bis(2-Ethylhexyl)phthalat	14.214	149	5624983	21.997	ug/mL	96
86) Di-n-octylphthalate	15.765	149	9748794	19.253	ug/mL	99
87) Benzo[b]fluoranthene	16.213	252	6797290	19.124	ug/mL	99
88) Benzo[k]fluoranthene	16.285	252	6428160	18.764	ug/mL	98
89) Benzo[a]pyrene	16.863	252	6424352	19.124	ug/mL	99
90) Indeno[1,2,3-cd]pyrene	18.803	276	5818531	20.772	ug/mL	99
91) Dibenz[a,h]anthracene	18.861	278	5825969	20.842	ug/mL	99
92) Benzo[g,h,i]perylene	19.203	276	5841438	20.841	ug/mL	99

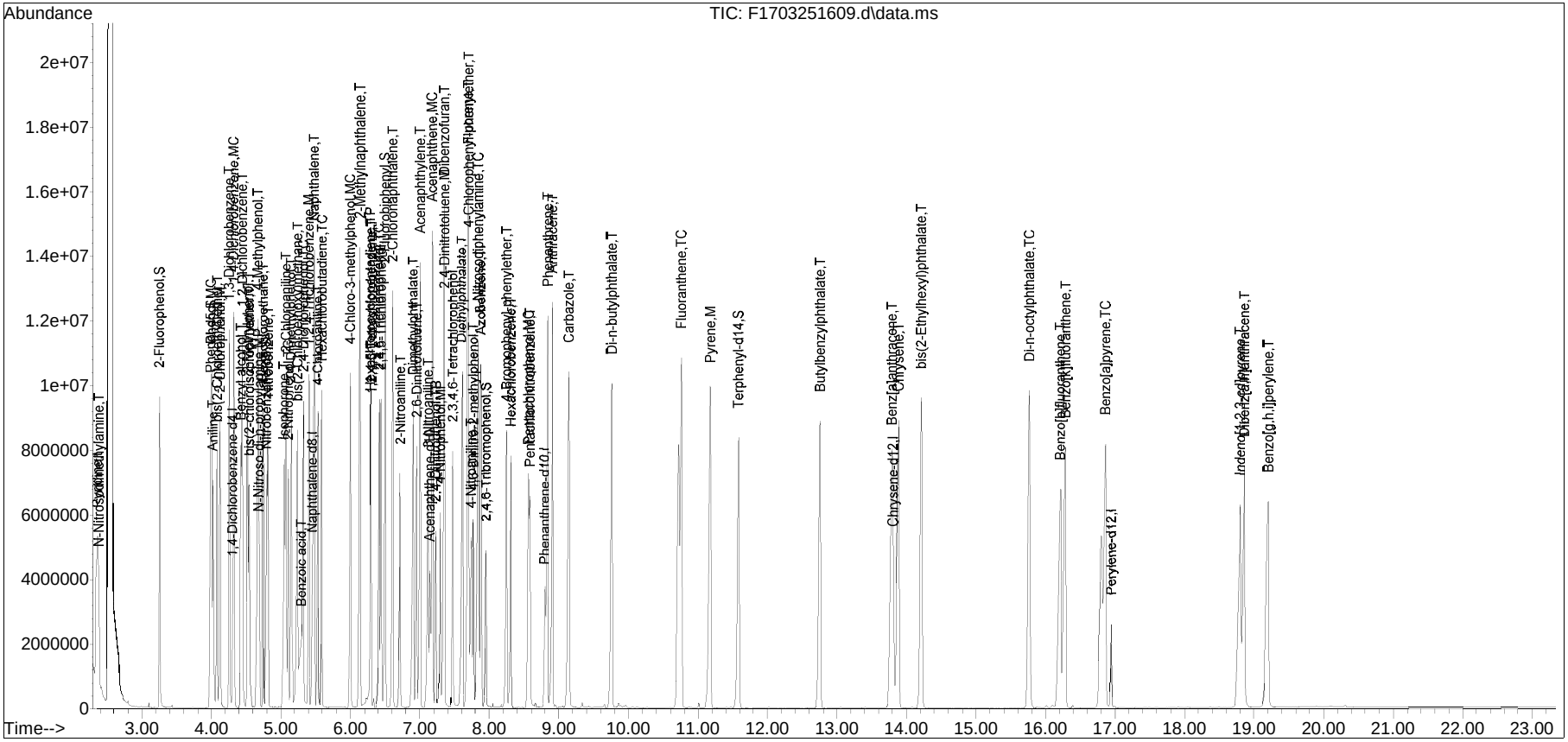
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251609.d
Acq On : 25 Mar 2016 8:55 pm
Operator : PAH17:ML
Sample : I1703251607
Misc : WG877746,MSAI29
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 26 11:18:48 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

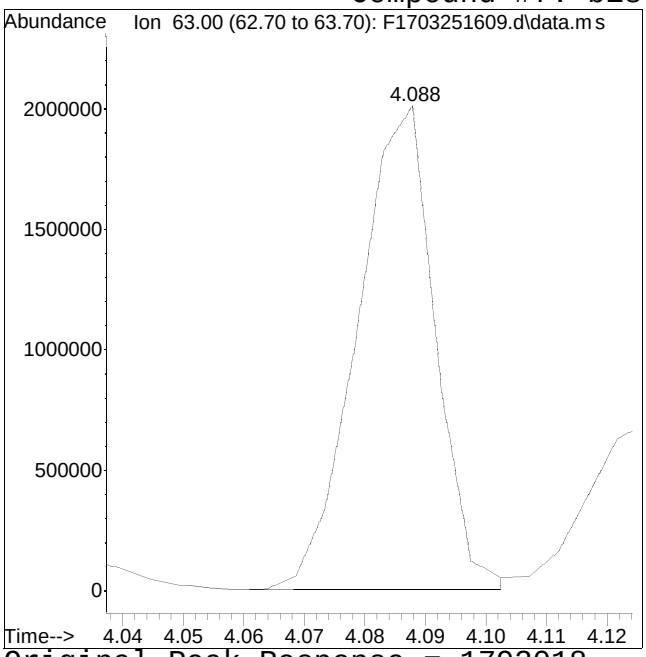


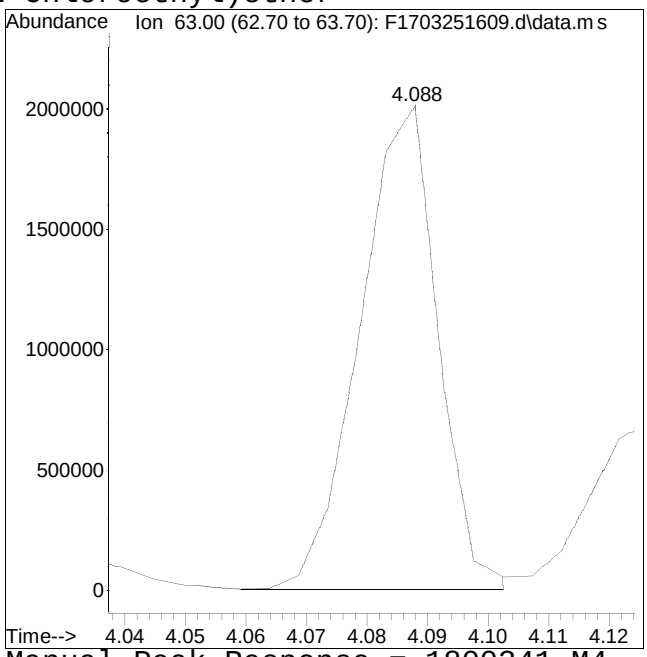
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251609.d
Date Inj'd : 3/25/2016 8:55 pm
Sample : I1703251607

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #7: bis(2-Chloroethyl)ether





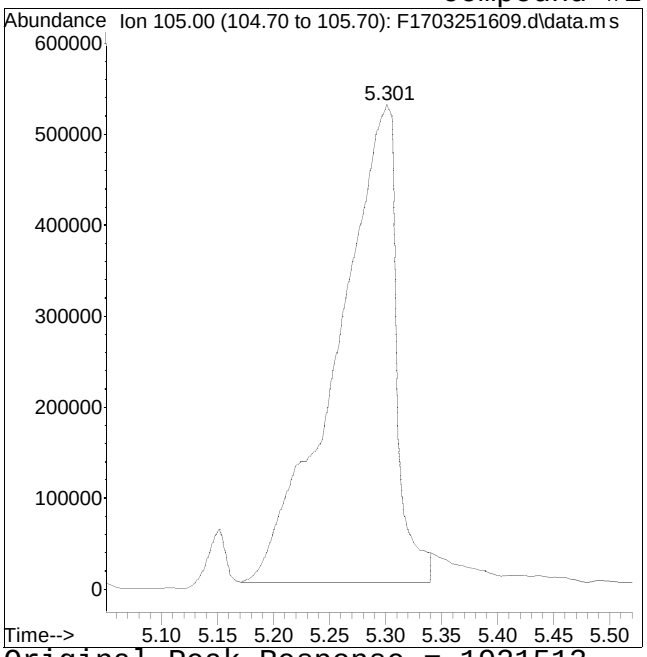
Original Peak Response = 1793018 Manual Peak Response = 1800341 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

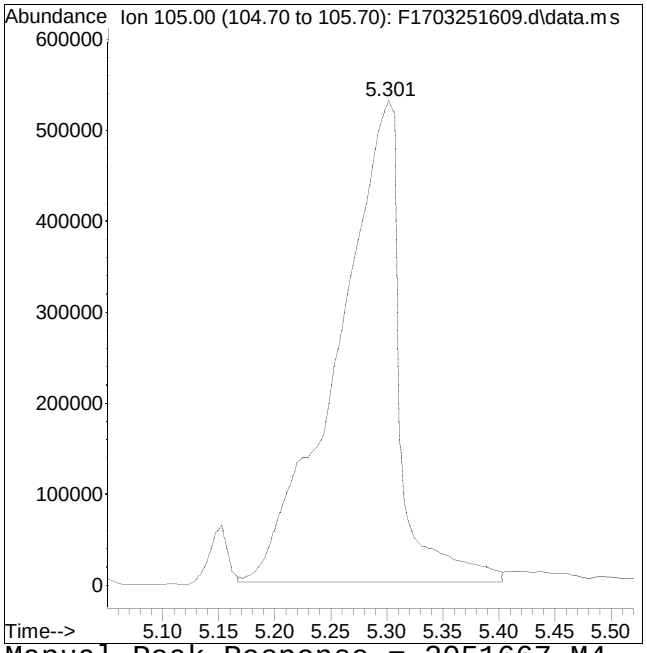
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251609.d
Date Inj'd : 3/25/2016 8:55 pm
Sample : I1703251607

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #27: Benzoic acid



Original Peak Response = 1921513



Manual Peak Response = 2051667 M4

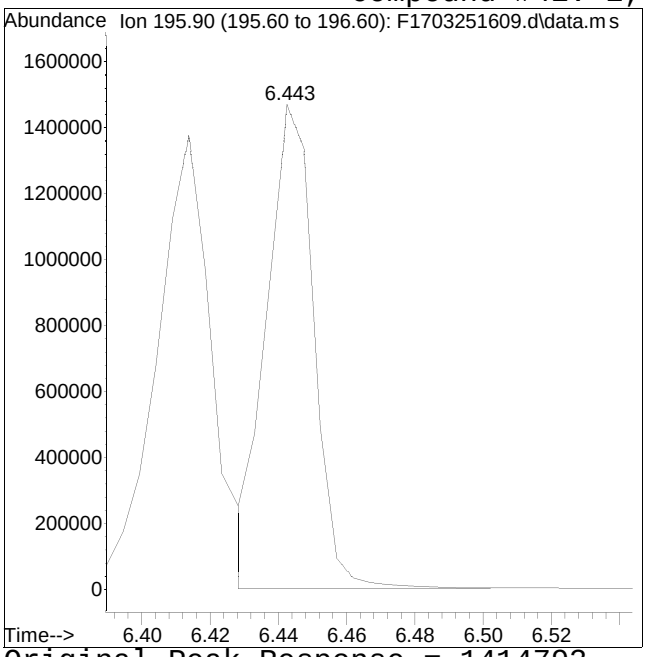
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

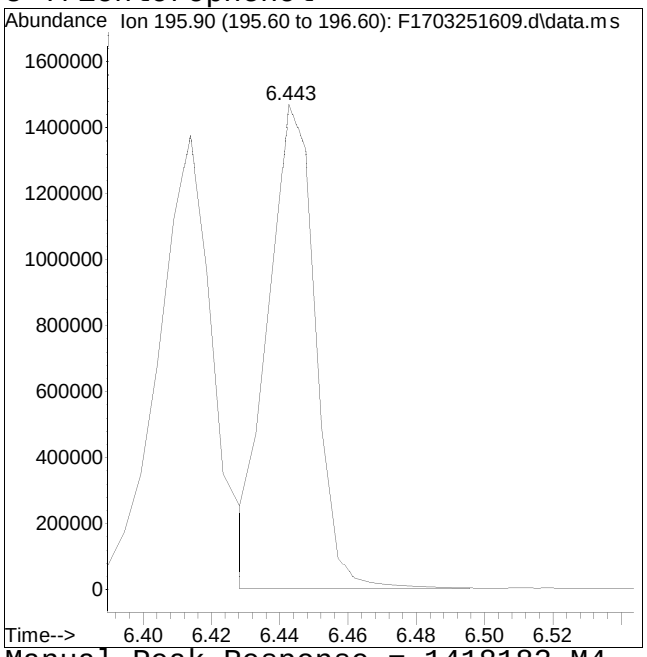
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251609.d
Date Inj'd : 3/25/2016 8:55 pm
Sample : I1703251607

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #42: 2,4,5-Trichlorophenol



Original Peak Response = 1414793



Manual Peak Response = 1418183 M4

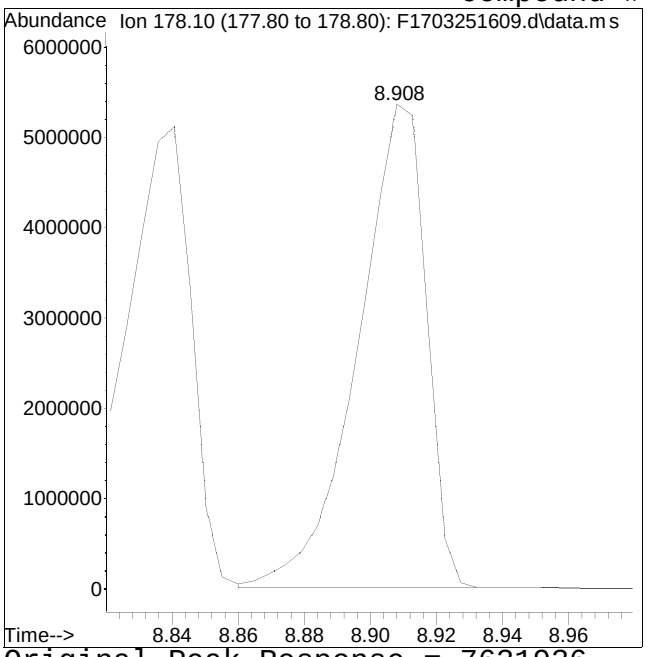
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

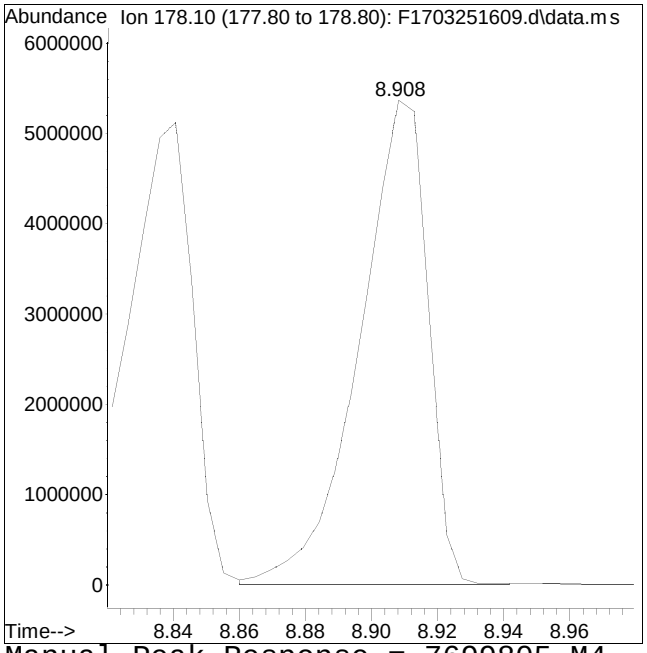
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251609.d
Date Inj'd : 3/25/2016 8:55 pm
Sample : I1703251607

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #72: Anthracene



Original Peak Response = 7631936



Manual Peak Response = 7699805 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251610.d
Acq On : 25 Mar 2016 9:25 pm
Operator : PAH17:ML
Sample : I1703251608
Misc : WG877746,MSAI20,X2
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 28 11:12:17 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.309	152	436939	5.000	ug/mL	0.00
21) Naphthalene-d8	5.460	136	1805128	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.150	164	855543	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.807	188	1673537	5.000	ug/mL	0.01
76) Chrysene-d12	13.834	240	1335326M4	5.000	ug/mL	0.03
85) Perylene-d12	16.964	264	1357040	5.000	ug/mL	0.03
System Monitoring Compounds						
4) 2-Fluorophenol	3.264	112	4650638	35.143	ug/mL	0.01
Spiked Amount 20.000	Range 21 - 100		Recovery = 175.72%#			
8) Phenol-d5	4.011	99	5820693	33.256	ug/mL	0.02
Spiked Amount 20.000	Range 10 - 94		Recovery = 166.28%#			
22) Nitrobenzene-d5	4.810	82	5056339	35.335	ug/mL	0.01
Spiked Amount 20.000	Range 35 - 114		Recovery = 176.68%#			
43) 2-Fluorobiphenyl	6.505	172	8636732	37.464	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 187.32%#			
65) 2,4,6-Tribromophenol	7.964	330	1016535	51.719	ug/mL	0.02
Spiked Amount 20.000	Range 10 - 123		Recovery = 258.59%#			
79) Terphenyl-d14	11.600	244	8847920	41.560	ug/mL	0.03
Spiked Amount 20.000	Range 33 - 141		Recovery = 207.80%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.431	74	3306280M4	40.034	ug/mL	
3) Pyridine	2.388	79	6614334M4	44.458	ug/mL	
5) Benzaldehyde	0.000		0	N.D.		
6) Aniline	4.044	93	7027354	32.882	ug/mL#	1
7) bis(2-Chloroethyl)ether	4.097	63	3272983	27.407	ug/mL#	79
9) Phenol	4.025	94	6178169M4	32.952	ug/mL	
10) 2-Chlorophenol	4.136	128	5367752	38.906	ug/mL	92
11) 1,3-Dichlorobenzene	4.261	146	4896729	32.983	ug/mL	99
12) 1,4-Dichlorobenzene	4.324	146	4796575	32.431	ug/mL	100
13) 1,2-Dichlorobenzene	4.454	146	4204391	30.003	ug/mL	99
14) Benzyl alcohol	4.439	108	3297667	34.630	ug/mL	96
15) bis(2-chloroisopropyl)eth	4.555	45	5424354	19.735	ug/mL#	90
16) 2-Methylphenol	4.536	108	4232100	33.627	ug/mL	100
17) Acetophenone	0.000		0	N.D. d		
18) Hexachloroethane	4.752	117	2054645	33.485	ug/mL	97
19) N-Nitroso-di-n-propylamin	4.709	70	3514964	32.591	ug/mL#	75
20) 4-Methylphenol	4.690	108	4875448M4	35.841	ug/mL	
23) Nitrobenzene	4.829	77	4959668	32.907	ug/mL	93

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251610.d
Acq On : 25 Mar 2016 9:25 pm
Operator : PAH17:ML
Sample : I1703251608
Misc : WG877746,MSAI20,X2
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 28 11:12:17 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.070	82	7549307	33.037	ug/mL	98
25) 2-Nitrophenol	5.118	139	2959445M4	44.706	ug/mL	
26) 2,4-Dimethylphenol	5.162	107	4322065	33.108	ug/mL	100
27) Benzoic acid	5.349	105	4186551M4	51.030	ug/mL	
28) bis(2-Chloroethoxy)methan	5.253	93	5852952	37.260	ug/mL	99
29) 2,4-Dichlorophenol	5.340	162	3957474	38.960	ug/mL	98
30) 1,2,4-Trichlorobenzene	5.412	180	4105001	39.417	ug/mL	100
31) Naphthalene	0.000		0	N.D.	d	
32) 2-Chloroaniline	5.085	127	6468954	36.921	ug/ml	99
33) 4-Chloroaniline	5.542	127	5941144	40.471	ug/mL	98
34) Hexachlorobutadiene	5.600	225	2013491	38.608	ug/mL	100
35) Caprolactam	0.000		0	N.D.		
36) 4-Chloro-3-methylphenol	6.009	107	4333874	36.128	ug/mL	100
37) 2-Methylnaphthalene	6.144	142	8472856	34.753	ug/mL	100
39) 1,2,4,5-Tetrachlorobenzen	6.308	216	3284261	42.571	ug/mL	100
40) Hexachlorocyclopentadiene	6.293	237	1829960	38.642	ug/mL	98
41) 2,4,6-Trichlorophenol	6.423	196	3143529	48.457	ug/mL	98
42) 2,4,5-Trichlorophenol	6.452	196	2516036	42.626	ug/mL	98
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	6.616	162	8176733	37.530	ug/mL	97
46) 2-Nitroaniline	6.727	65	2904377	35.824	ug/mL	86
47) Acenaphthylene	7.020	152	12972490	36.215	ug/mL	98
48) Dimethylphthalate	6.924	163	10081539	41.687	ug/mL	98
49) 2,6-Dinitrotoluene	6.977	165	2718025	50.968	ug/mL	95
50) Acenaphthene	7.189	153	8425561	35.351	ug/mL	98
51) 3-Nitroaniline	7.141	138	2976366M4	46.348	ug/mL	
52) 2,4-Dinitrophenol	7.247	184	1989757	47.122	ug/mL#	78
53) Dibenzofuran	7.362	168	10212516	35.504	ug/mL	98
54) 2,3,4,6-Tetrachlorophenol	7.483	232	2024337	47.948		99
55) 2,4-Dinitrotoluene	7.372	165	3135885M4	45.209	ug/mL	
56) 4-Nitrophenol	7.319	109	1652559M4	42.462	ug/mL	
57) Fluorene	7.699	166	7731051	32.726	ug/mL	99
58) 4-Chlorophenyl-phenylethe	7.714	204	3437024	33.916	ug/mL	98
59) Diethylphthalate	7.622	149	9601054	38.192	ug/mL	97
60) 4-Nitroaniline	7.771	138	3127407M4	46.570	ug/mL	
62) 4,6-Dinitro-2-methylpheno	7.796	198	2232738M4	41.314	ug/mL	
63) Azobenzene	7.887	182	3039755	38.668	ug/mL	89
64) n-Nitrosodiphenylamine	7.849	169	7144887	37.917	ug/mL	98
66) 4-Bromophenyl-phenylether	8.258	248	2446788	42.265	ug/mL	97
67) Hexachlorobenzene	8.320	284	2400305	43.721	ug/mL	97
68) Atrazine	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251610.d
Acq On : 25 Mar 2016 9:25 pm
Operator : PAH17:ML
Sample : I1703251608
Misc : WG877746,MSAI20,X2
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 28 11:12:17 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	8.571	266	1887113	42.597	ug/mL	98
70) Pentachloronitrobenzene	8.590	237	1017050	41.525	ug/ml	99
71) Phenanthrene	8.850	178	14092115	35.503	ug/mL	98
72) Anthracene	8.922	178	13795341M4	34.769	ug/mL	
73) Carbazole	9.163	167	13661668	36.759	ug/mL	98
74) Di-n-butylphthalate	9.770	149	15818611	36.554	ug/mL	98
75) Fluoranthene	10.786	202	14453735	36.637	ug/mL	99
77) Benzidine	0.000		0	N.D.		
78) Pyrene	11.195	202	15548946	40.333	ug/mL	99
80) Butylbenzylphthalate	12.770	149	8024785	42.914	ug/mL	97
81) 3,3'-Dichlorobenzidine	0.000		0	N.D. d		
82) Benz[a]anthracene	13.819	228	13972551	42.875	ug/mL	98
83) Chrysene	13.911	228	12630098M4	39.715	ug/mL	
84) bis(2-Ethylhexyl)phthalat	14.229	149	10312831	43.450	ug/mL#	95
86) Di-n-octylphthalate	15.794	149	17804143	36.087	ug/mL	98
87) Benzo[b]fluoranthene	16.232	252	14960527	43.199	ug/mL	99
88) Benzo[k]fluoranthene	16.314	252	11208949	33.580	ug/mL	99
89) Benzo[a]pyrene	16.901	252	12019830	36.722	ug/mL	99
90) Indeno[1,2,3-cd]pyrene	18.832	276	12582995M3	46.102	ug/mL	
91) Dibenz[a,h]anthracene	18.895	278	11422726	41.939	ug/mL	97
92) Benzo[g,h,i]perylene	19.237	276	11702080	42.848	ug/mL	99

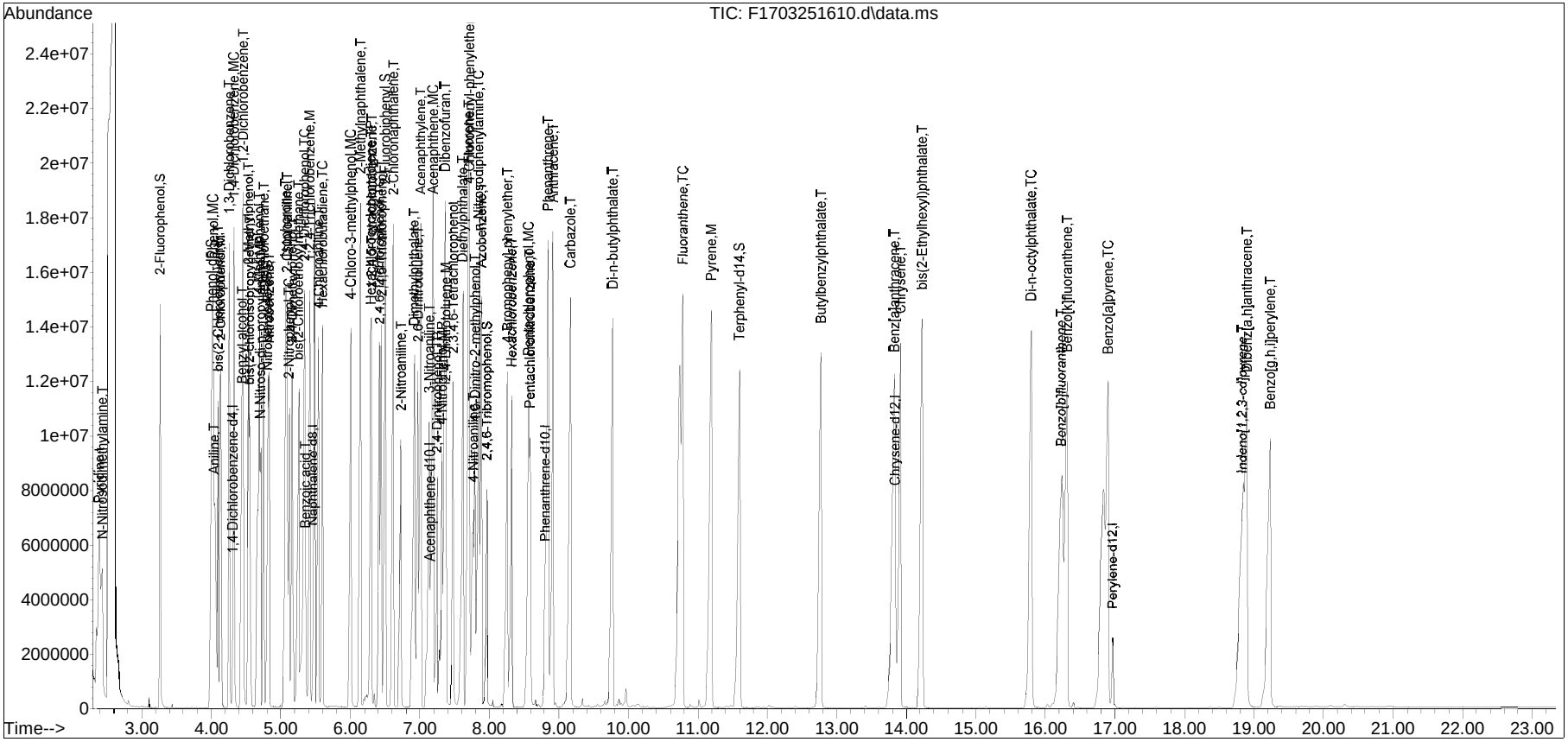
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251610.d
Acq On : 25 Mar 2016 9:25 pm
Operator : PAH17:ML
Sample : I1703251608
Misc : WG877746,MSAI20,X2
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 28 11:12:17 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

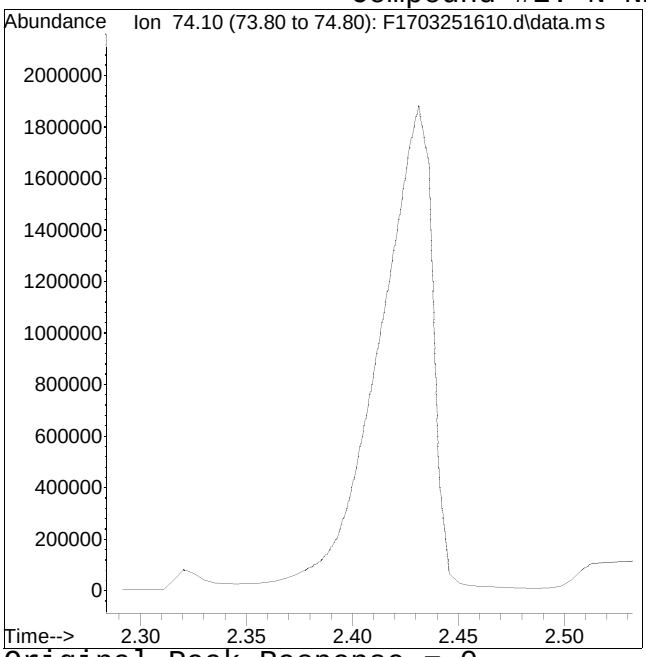


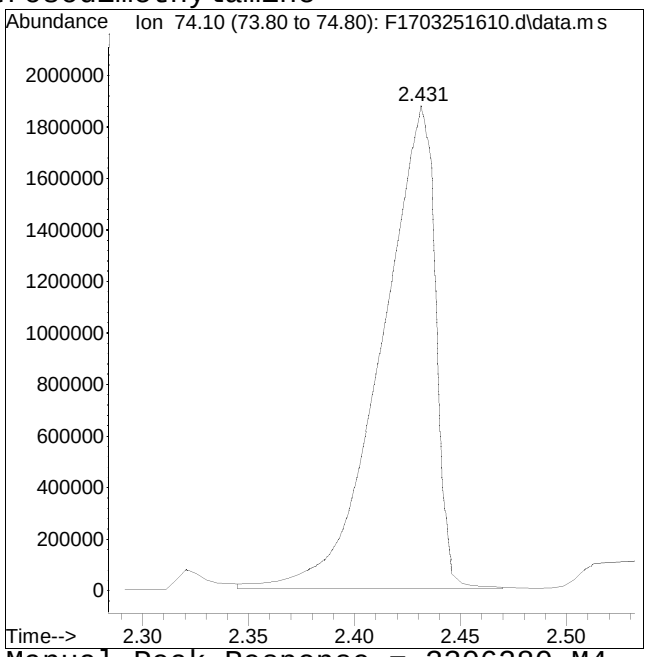
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251610.d
Date Inj'd : 3/25/2016 9:25 pm
Sample : I1703251608

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #2: N-Nitrosodimethylamine





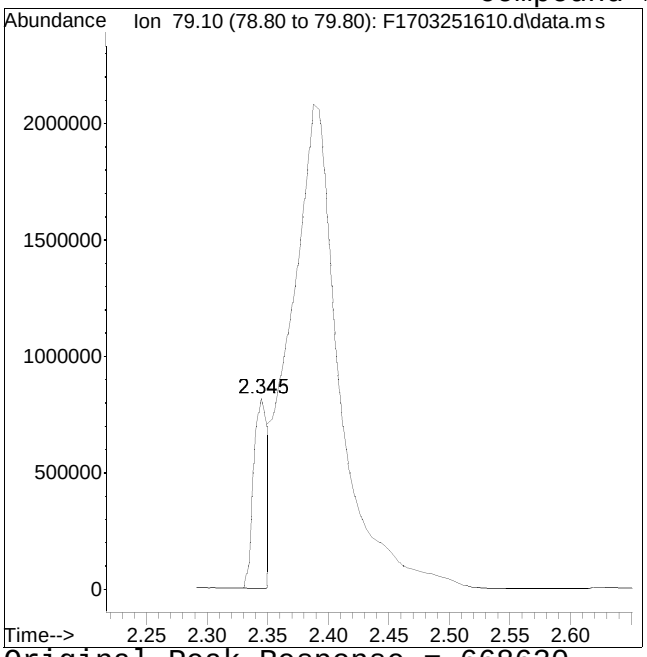
Original Peak Response = 0 Manual Peak Response = 3306280 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

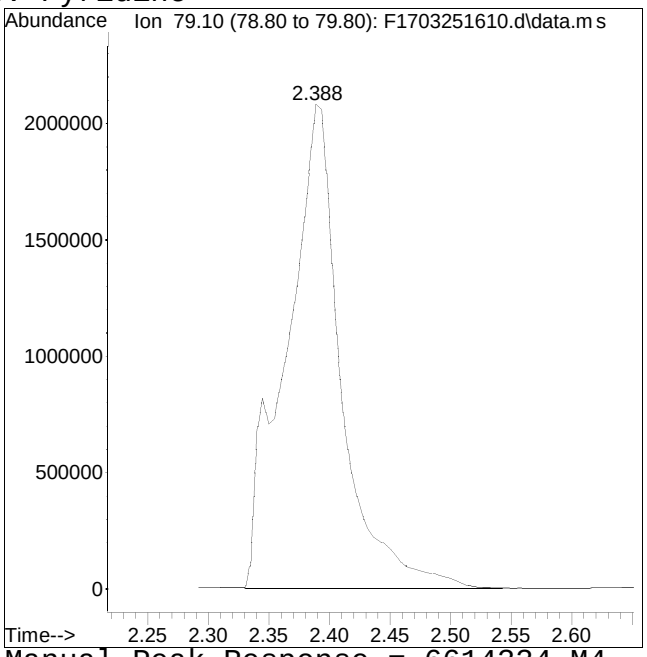
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251610.d
Date Inj'd : 3/25/2016 9:25 pm
Sample : I1703251608

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #3: Pyridine



Original Peak Response = 668630



Manual Peak Response = 6614334 M4

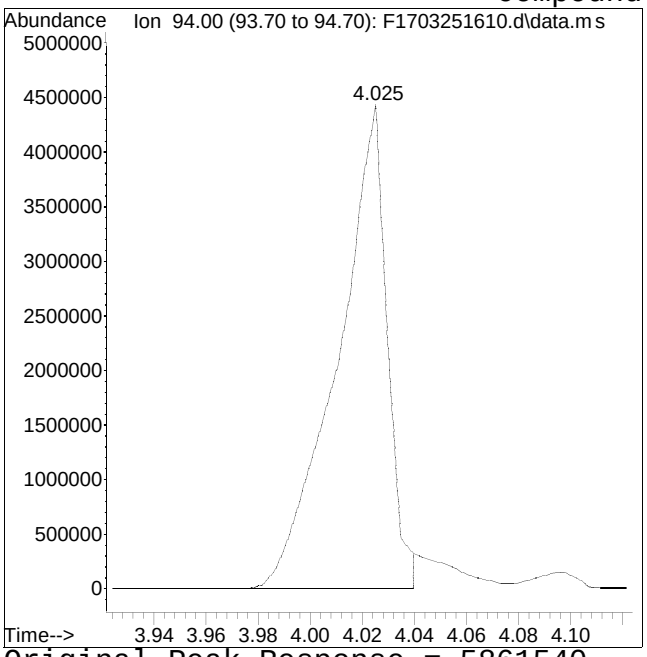
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

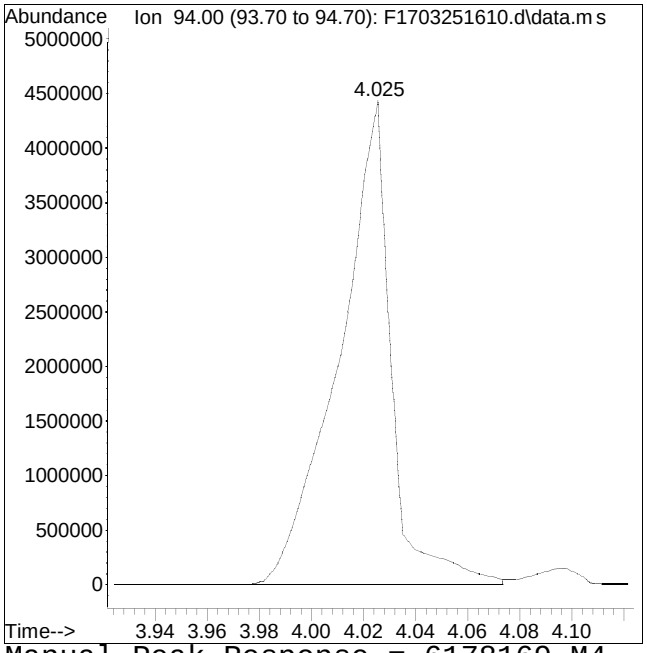
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251610.d
Date Inj'd : 3/25/2016 9:25 pm
Sample : I1703251608

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #9: Phenol



Original Peak Response = 5861540



Manual Peak Response = 6178169 M4

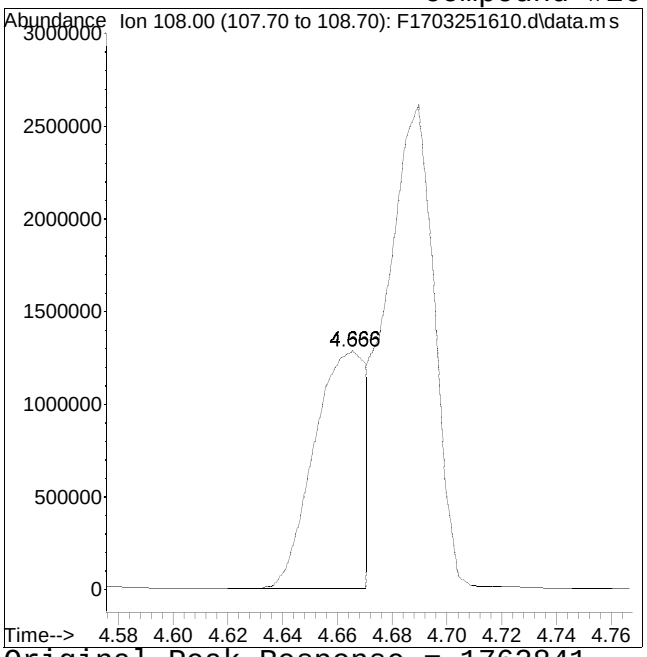
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

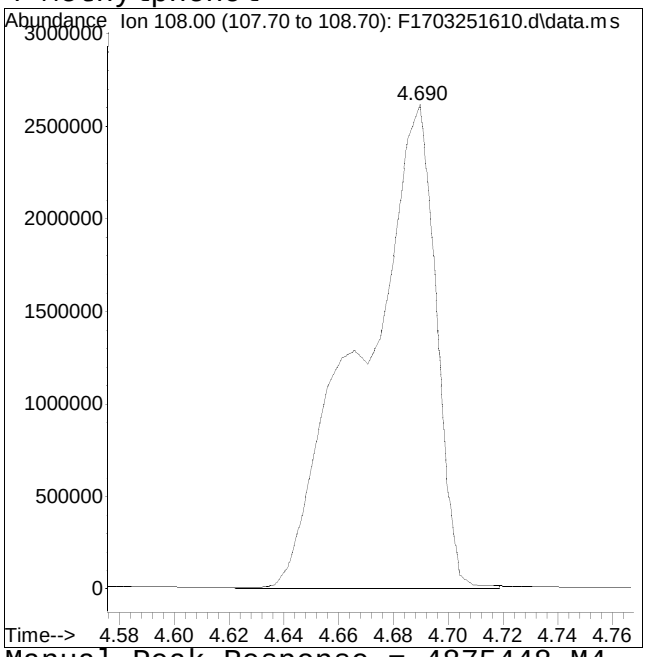
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251610.d
Date Inj'd : 3/25/2016 9:25 pm
Sample : I1703251608

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #20: 4-Methylphenol



Original Peak Response = 1762841



Manual Peak Response = 4875448 M4

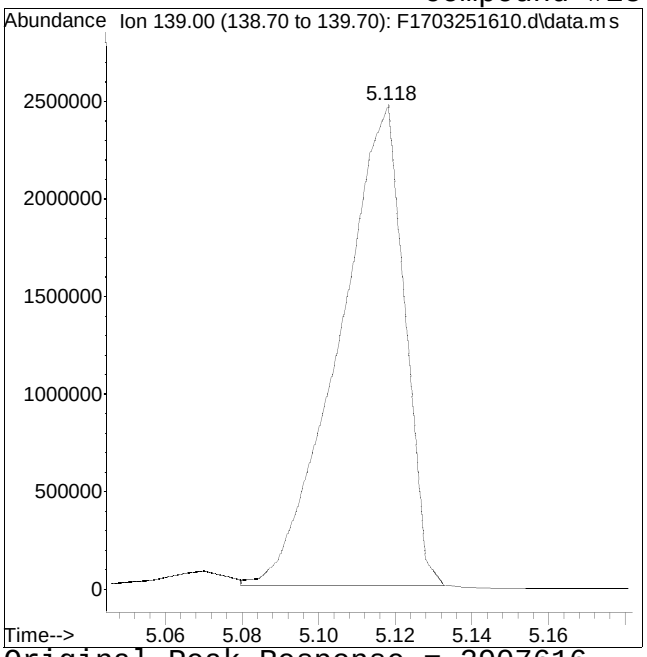
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

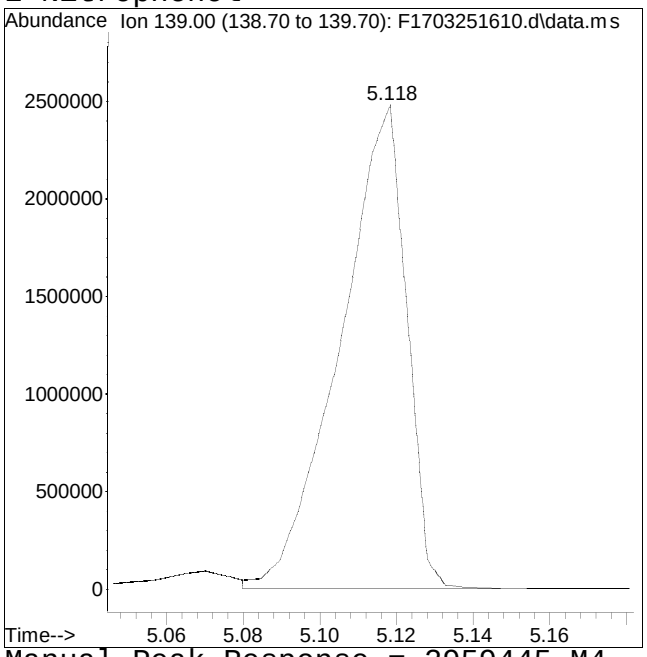
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251610.d
Date Inj'd : 3/25/2016 9:25 pm
Sample : I1703251608

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #25: 2-Nitrophenol



Original Peak Response = 2907616



Manual Peak Response = 2959445 M4

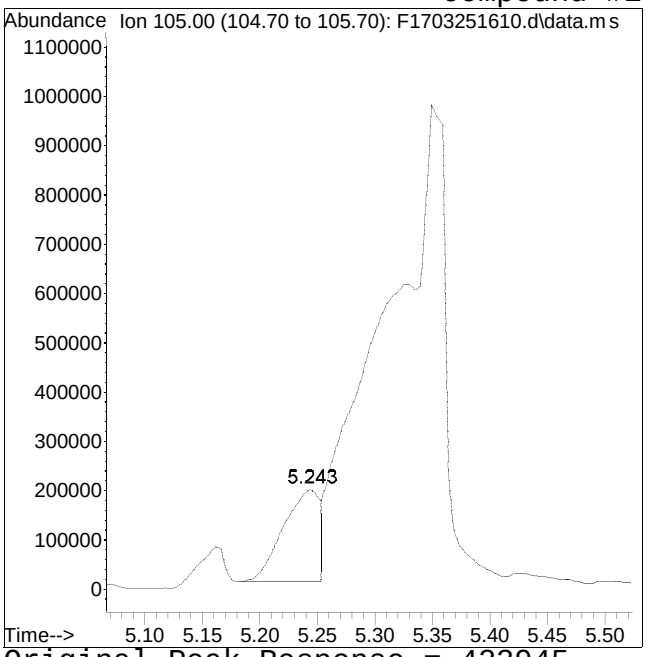
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

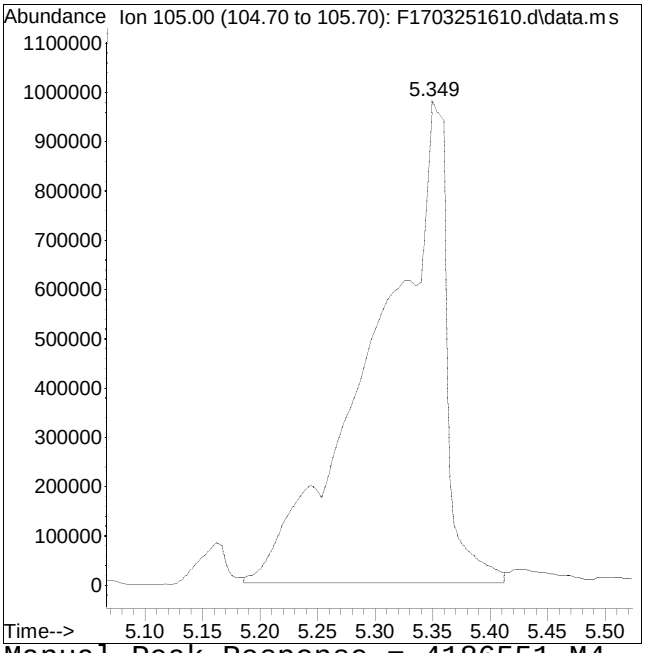
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251610.d
Date Inj'd : 3/25/2016 9:25 pm
Sample : I1703251608

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #27: Benzoic acid



Original Peak Response = 423945



Manual Peak Response = 4186551 M4

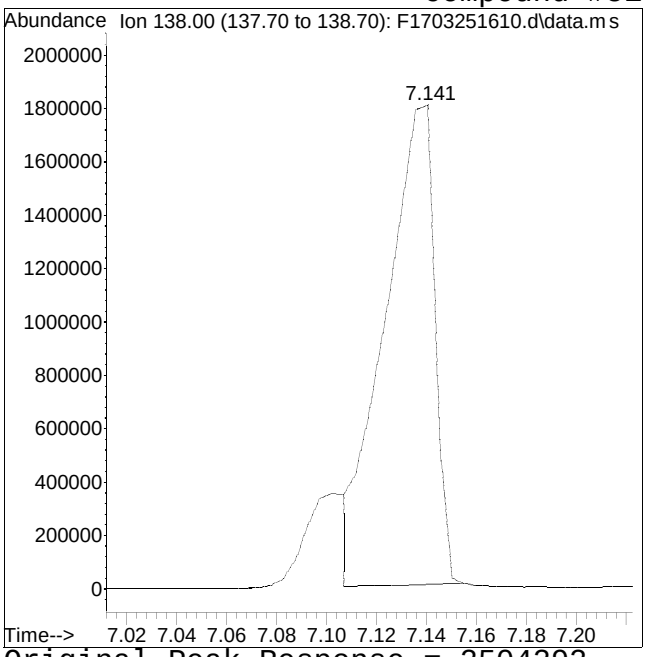
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

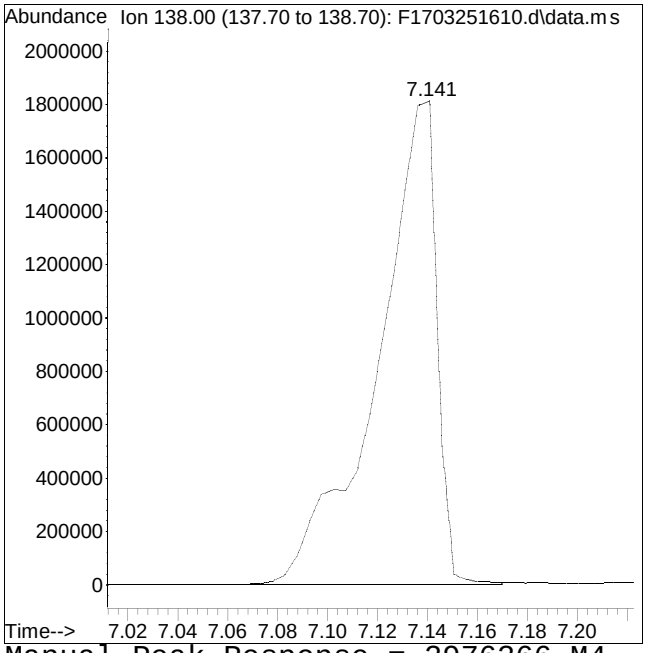
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251610.d
Date Inj'd : 3/25/2016 9:25 pm
Sample : I1703251608

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #51: 3-Nitroaniline



Original Peak Response = 2504292



Manual Peak Response = 2976366 M4

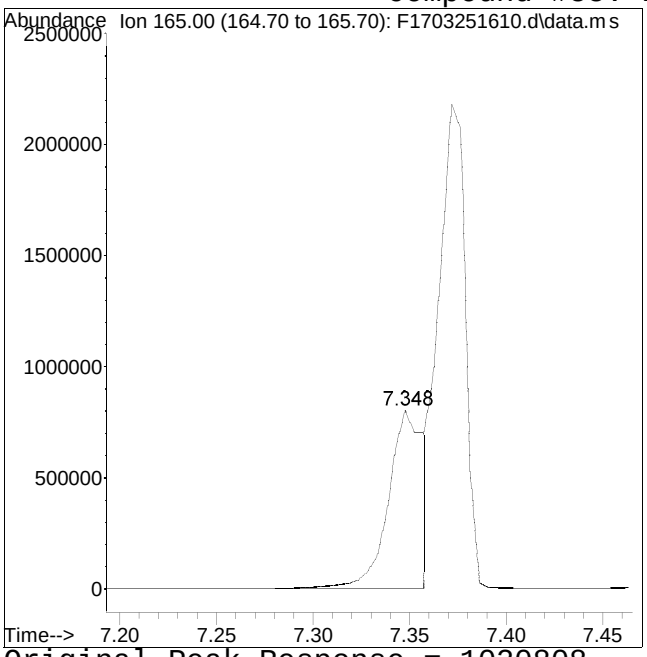
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

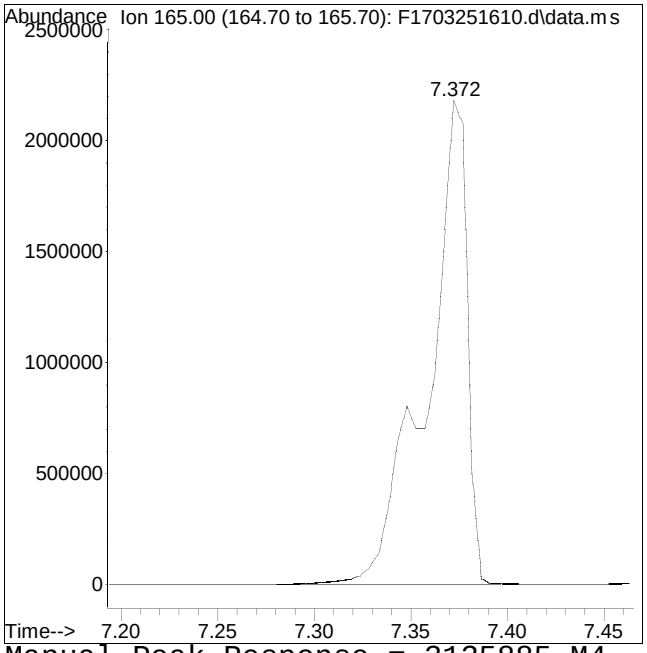
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251610.d
Date Inj'd : 3/25/2016 9:25 pm
Sample : I1703251608

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #55: 2,4-Dinitrotoluene



Original Peak Response = 1020808



Manual Peak Response = 3135885 M4

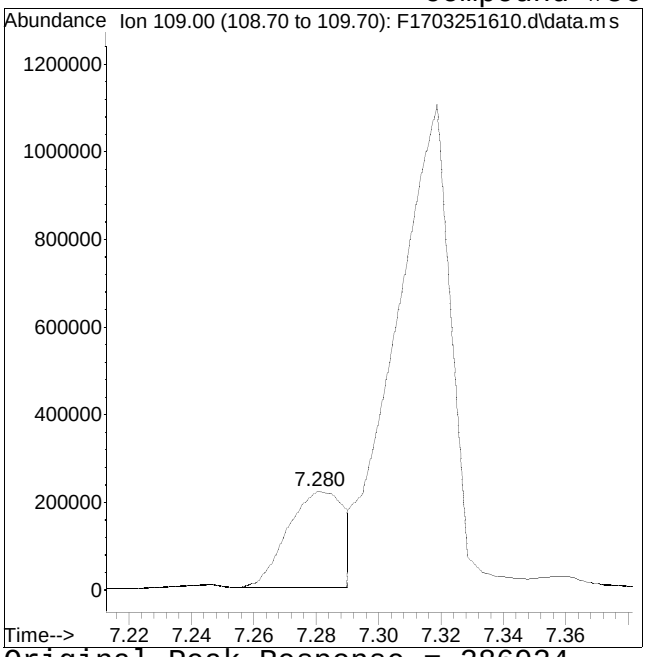
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

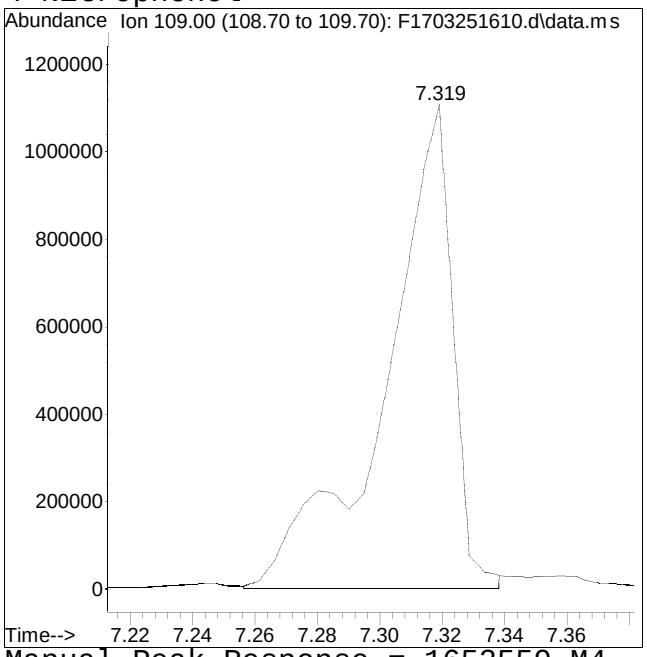
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251610.d
Date Inj'd : 3/25/2016 9:25 pm
Sample : I1703251608

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #56: 4-Nitrophenol



Original Peak Response = 286924



Manual Peak Response = 1652559 M4

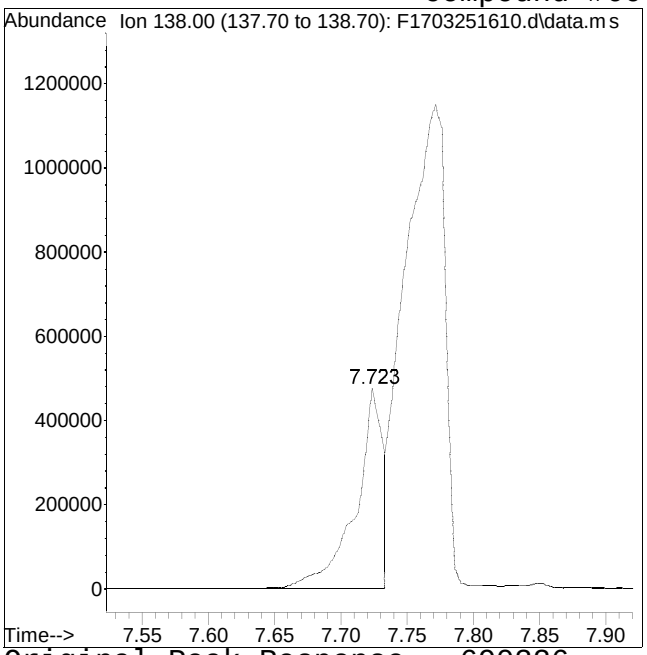
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

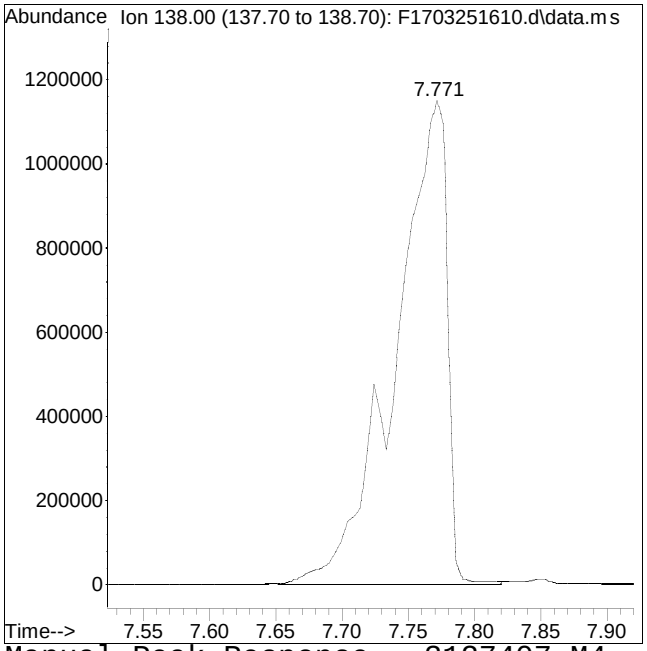
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251610.d
Date Inj'd : 3/25/2016 9:25 pm
Sample : I1703251608

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #60: 4-Nitroaniline



Original Peak Response = 690326



Manual Peak Response = 3127407 M4

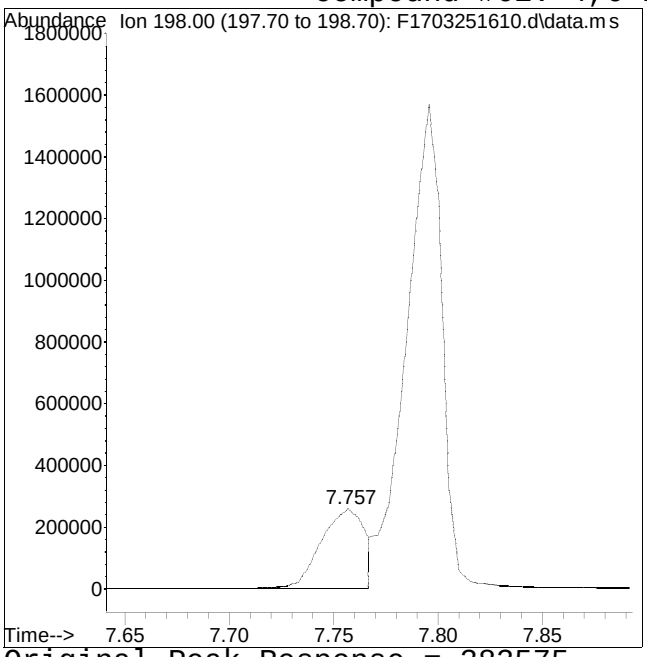
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

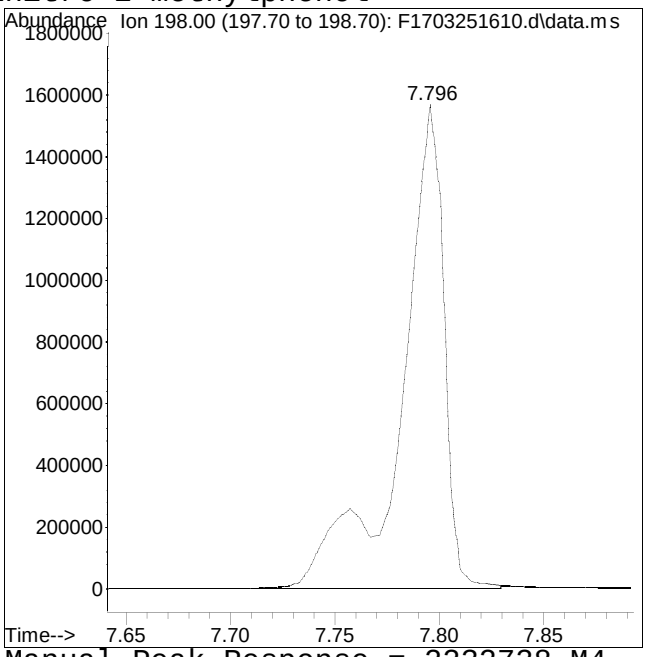
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251610.d
Date Inj'd : 3/25/2016 9:25 pm
Sample : I1703251608

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #62: 4,6-Dinitro-2-methylphenol



Original Peak Response = 383575



Manual Peak Response = 2232738 M4

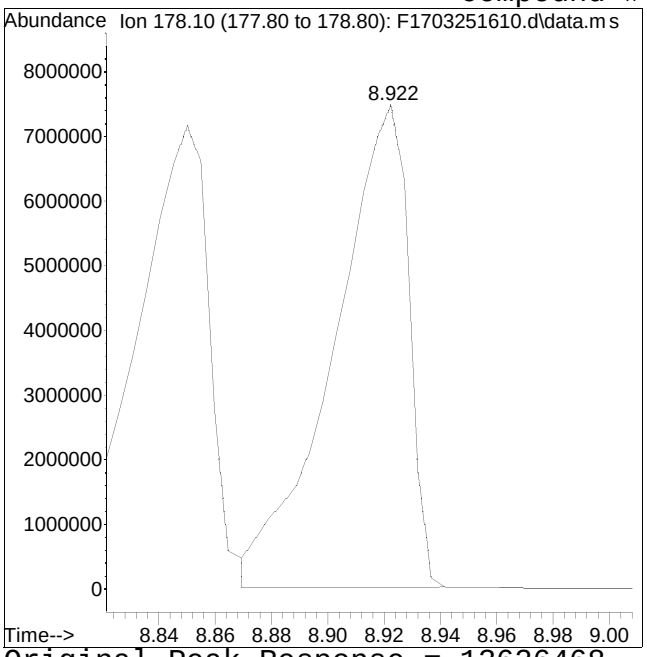
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

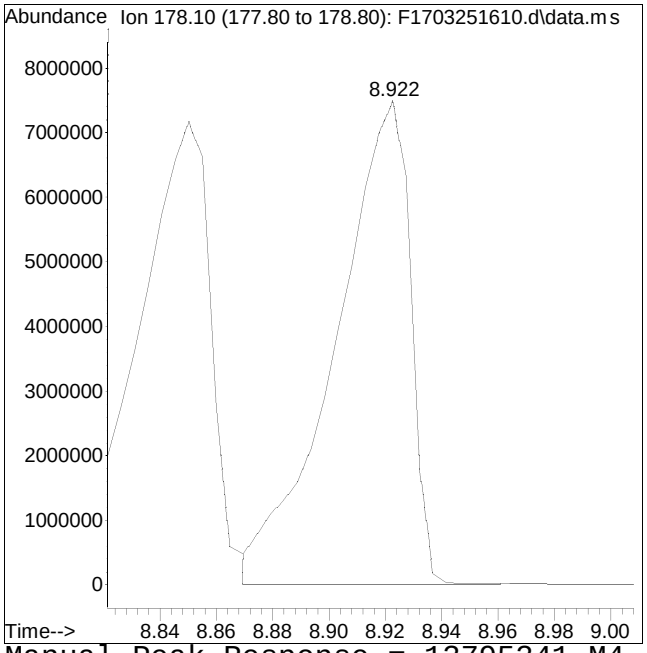
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251610.d
Date Inj'd : 3/25/2016 9:25 pm
Sample : I1703251608

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #72: Anthracene



Original Peak Response = 13626468



Manual Peak Response = 13795341 M4

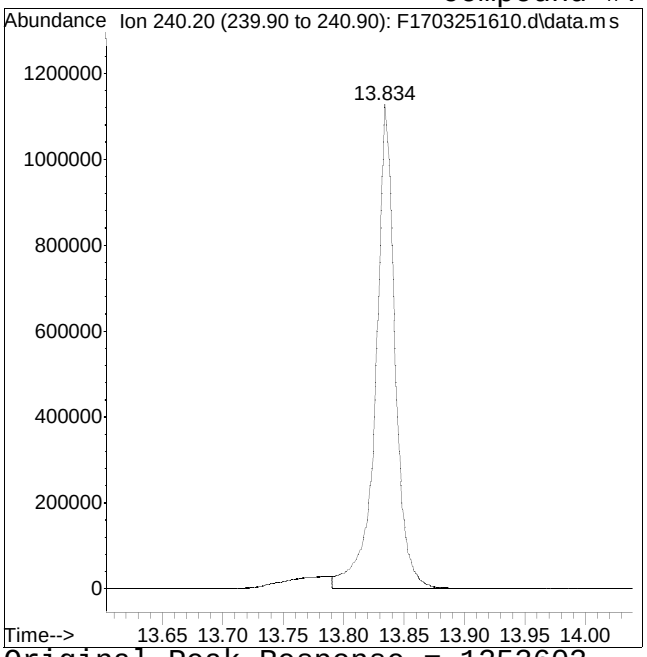
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

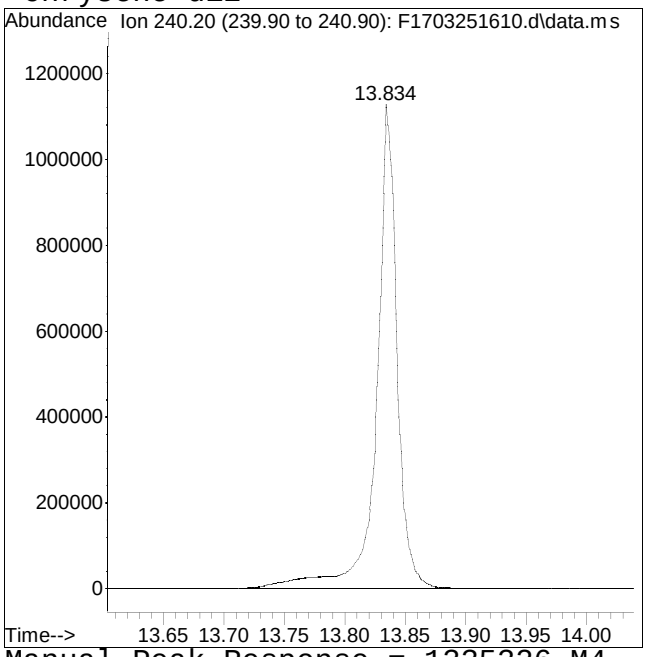
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251610.d
Date Inj'd : 3/25/2016 9:25 pm
Sample : I1703251608

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #76: Chrysene-d12



Original Peak Response = 1253603



Manual Peak Response = 1335326 M4

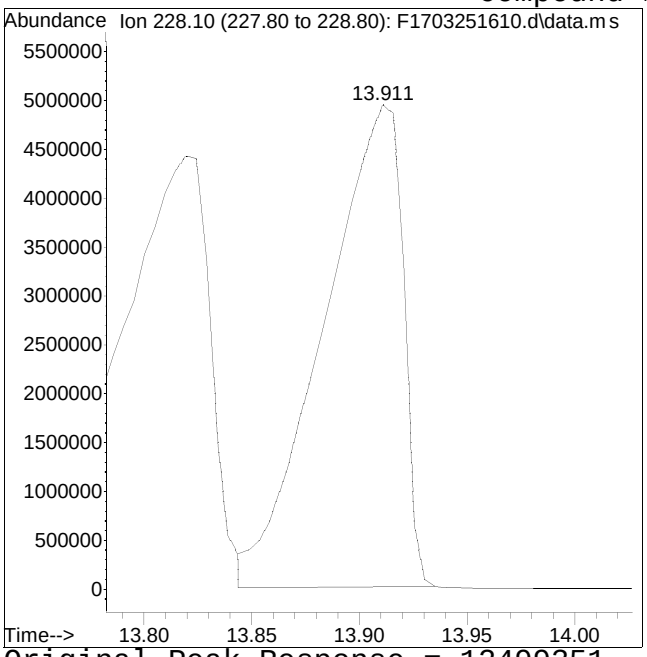
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

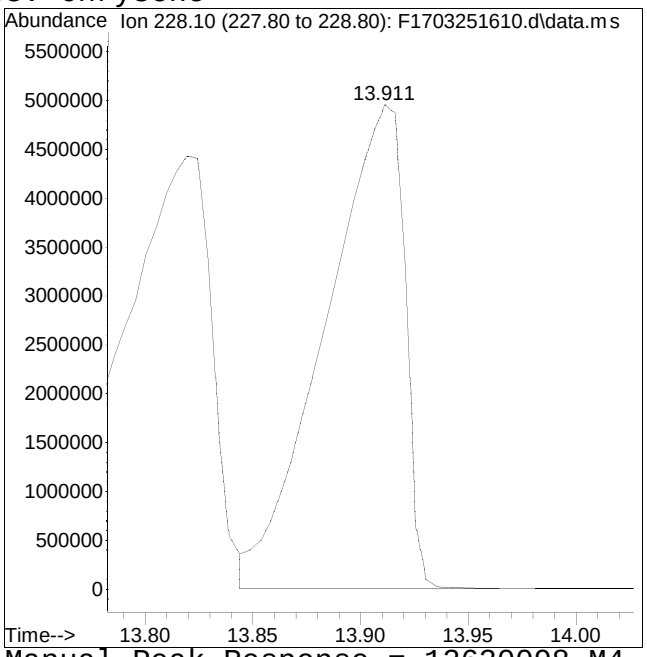
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251610.d
Date Inj'd : 3/25/2016 9:25 pm
Sample : I1703251608

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #83: Chrysene



Original Peak Response = 12499351



Manual Peak Response = 12630098 M4

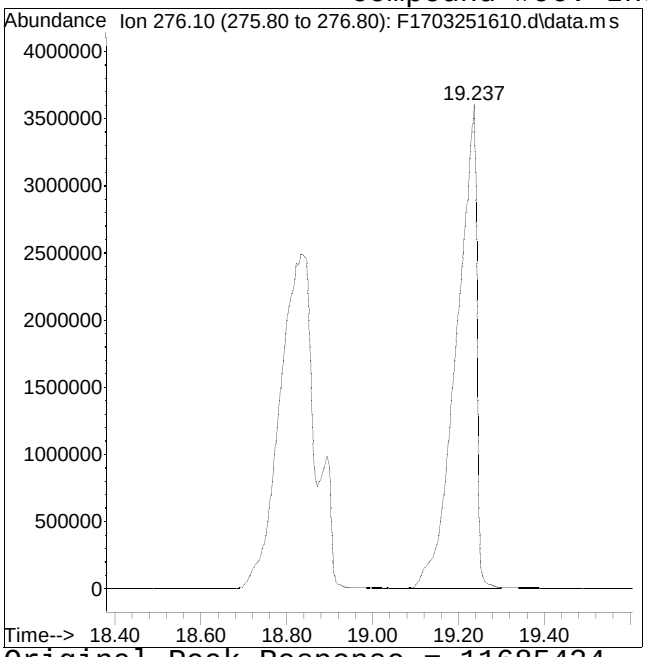
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

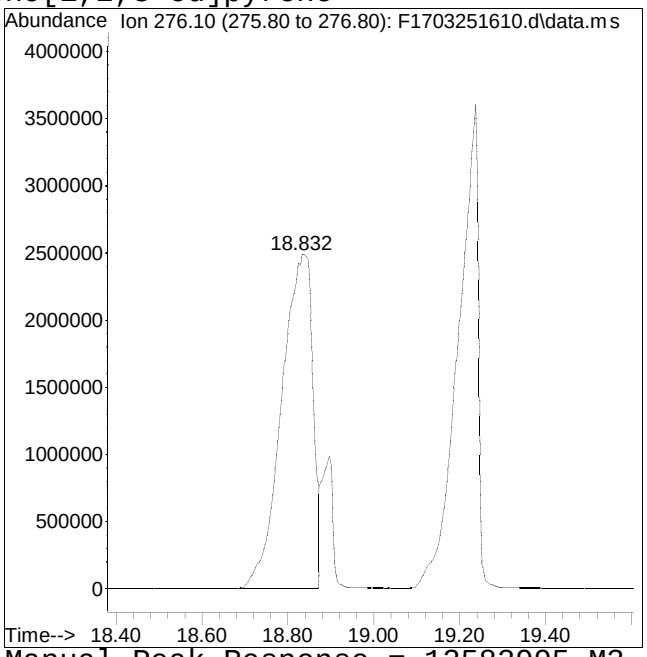
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251610.d
Date Inj'd : 3/25/2016 9:25 pm
Sample : I1703251608

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #90: Indeno[1,2,3-cd]pyrene



Original Peak Response = 11685424



Manual Peak Response = 12582995 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251611.d
Acq On : 25 Mar 2016 9:54 pm
Operator : PAH17:ML
Sample : I1703251609
Misc : WG877746,MSAI28
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 26 11:36:31 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.300	152	451379	5.000	ug/mL	0.00
21) Naphthalene-d8	5.450	136	1819417	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.136	164	880090	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.787	188	1607498	5.000	ug/mL	0.00
76) Chrysene-d12	13.786	240	1394943	5.000	ug/mL	-0.01
85) Perylene-d12	16.920	264	1268500	5.000	ug/mL	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.	d	
5) Benzaldehyde	3.934	77	52593M4	0.410	ug/ml	
6) Aniline	0.000		0	N.D.	d	
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.	d	
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	4.651	105	89106	0.438	ug/ml	98
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.	d	
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251611.d
Acq On : 25 Mar 2016 9:54 pm
Operator : PAH17:ML
Sample : I1703251609
Misc : WG877746,MSAI28
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 26 11:36:31 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D. d		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D. d		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D. d		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	5.821	113	18037	0.422	ug/ml	95
36) 4-Chloro-3-methylphenol	0.000		0	N.D. d		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	6.582	154	146531	0.469	ug/ml	98
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D. d		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D. d		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D. d		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	8.455	200	30463	0.449	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251611.d
Acq On : 25 Mar 2016 9:54 pm
Operator : PAH17:ML
Sample : I1703251609
Misc : WG877746,MSAI28
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 26 11:36:31 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.	d	
72) Anthracene	0.000		0	N.D.	d	
73) Carbazole	0.000		0	N.D.	d	
74) Di-n-butylphthalate	0.000		0	N.D.	d	
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.060	184	94830	0.349	ug/mL	99
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	13.819	252	48808M4	0.434	ug/mL	
82) Benz[a]anthracene	0.000		0	N.D.	d	
83) Chrysene	0.000		0	N.D.	d	
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D.	d	
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

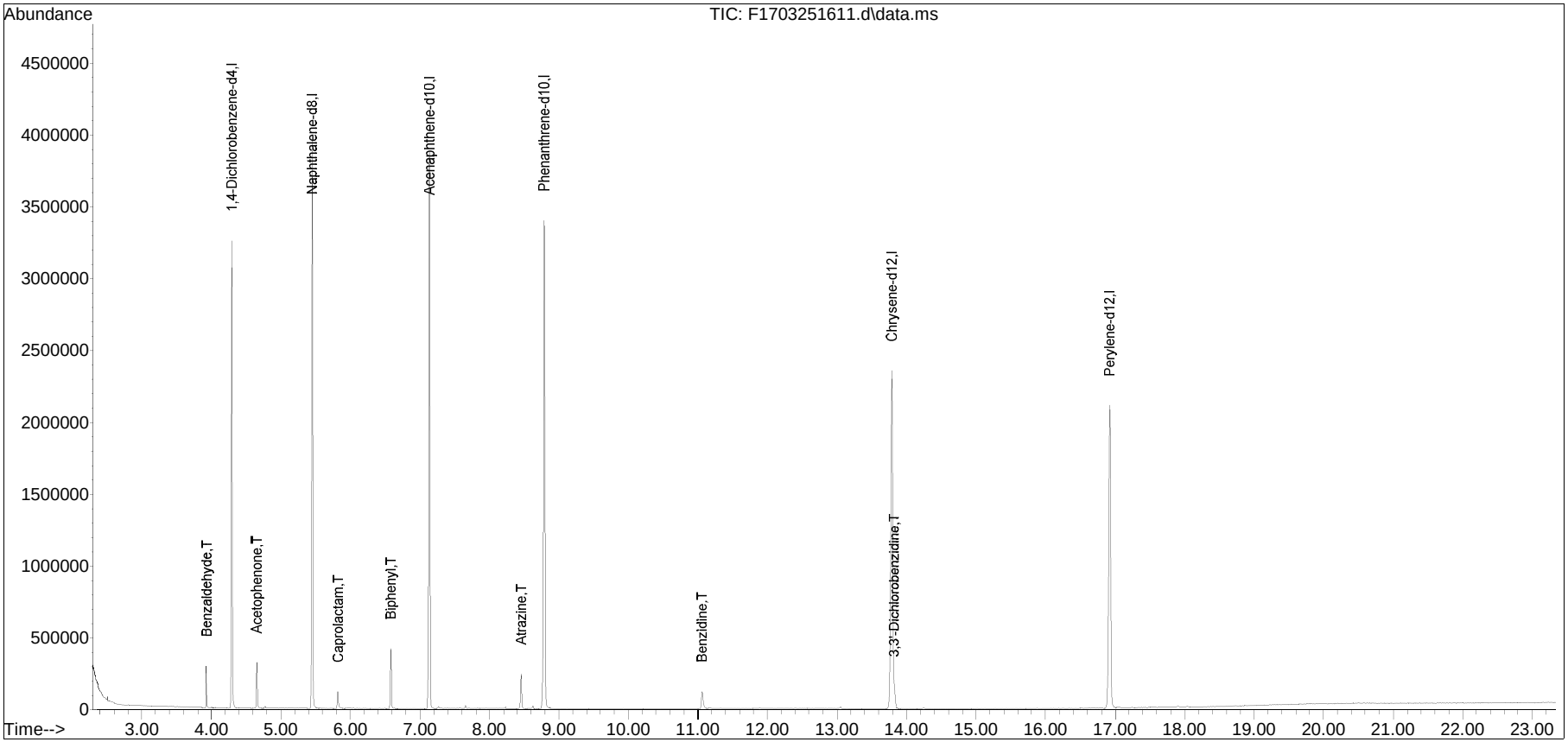
(#) = qualifier out of range (m) = manual integration (+) = signals summed

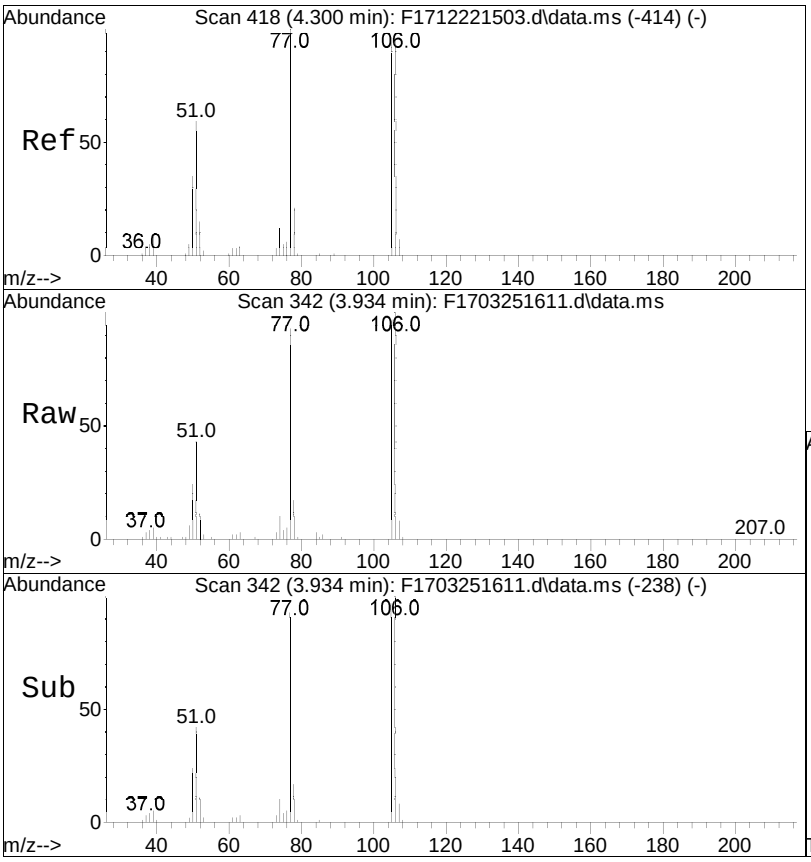
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251611.d
Acq On : 25 Mar 2016 9:54 pm
Operator : PAH17:ML
Sample : I1703251609
Misc : WG877746,MSAI28
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 26 11:36:31 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

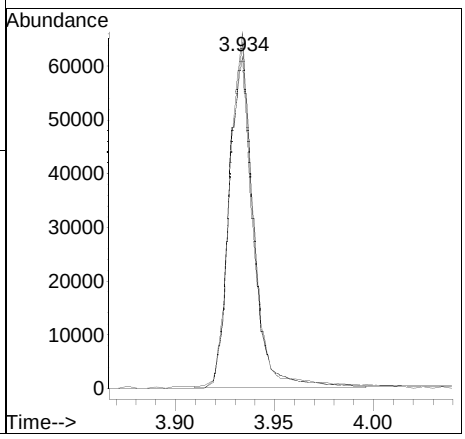


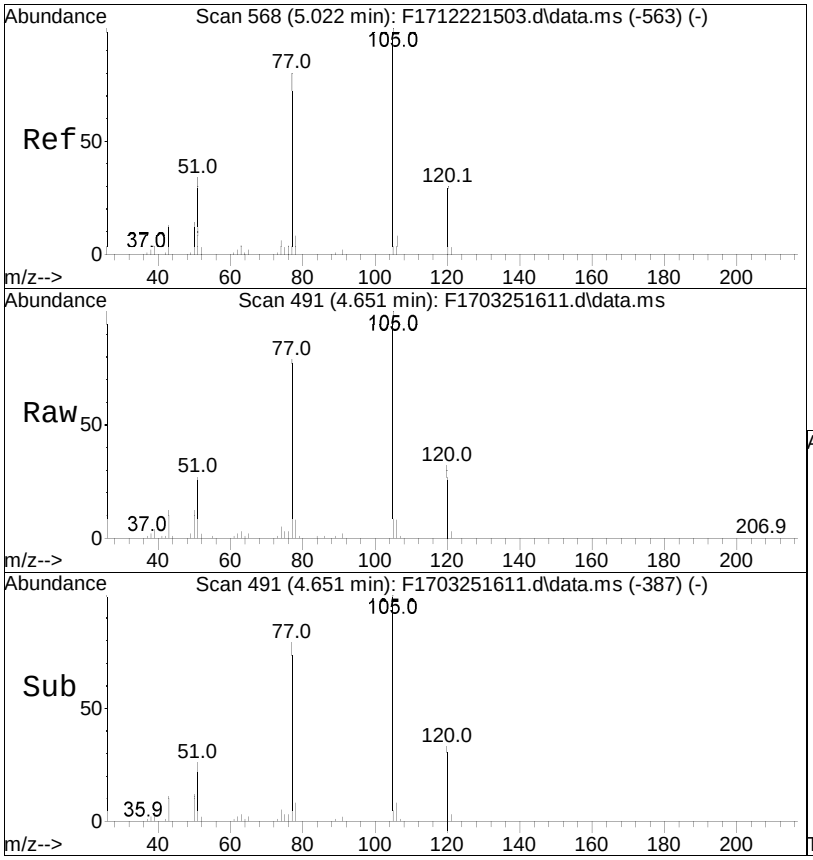


#5
Benzaldehyde
Concen: 0.41 ug/ml M4
RT: 3.934 min Scan# 342
Delta R.T. -0.000 min
Lab File: F1703251611.d
Acq: 25 Mar 2016 9:54 pm

Tgt Ion: 77 Resp: 52593

Ion	Ratio	Lower	Upper
77	100		
105	100.7	84.6	126.8
106	105.8	86.2	129.4

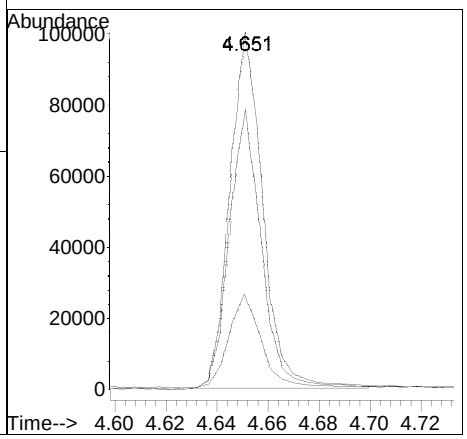


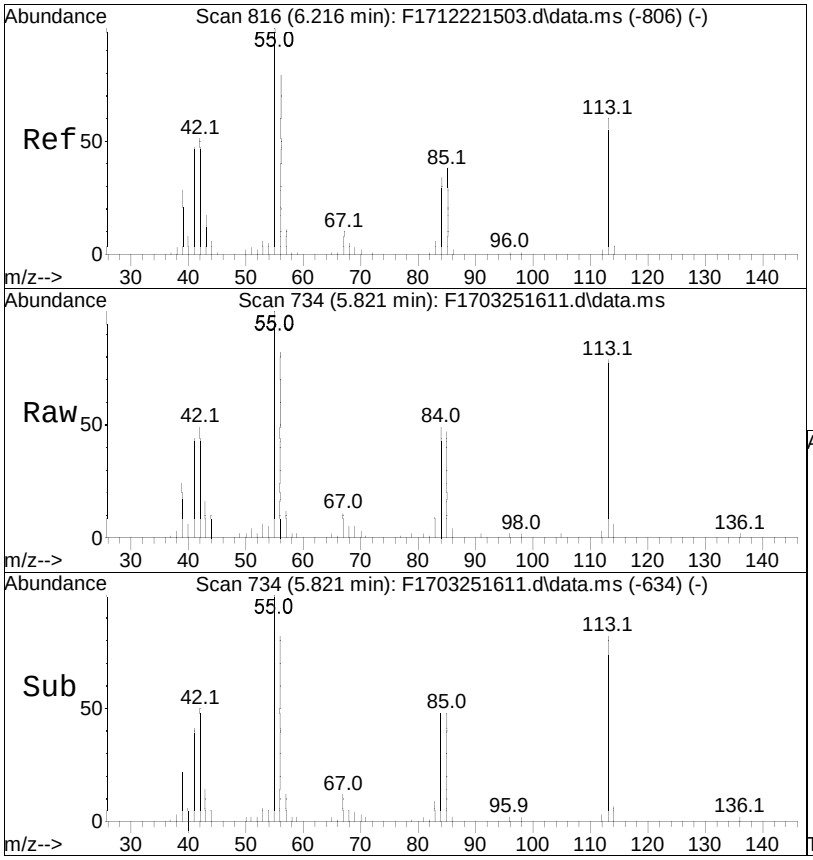


#17
Acetophenone
Concen: 0.44 ug/ml
RT: 4.651 min Scan# 491
Delta R.T. -0.000 min
Lab File: F1703251611.d
Acq: 25 Mar 2016 9:54 pm

Tgt Ion:105 Resp: 89106

Ion	Ratio	Lower	Upper
105	100		
77	78.4	61.0	91.6
51	26.4	20.3	30.5

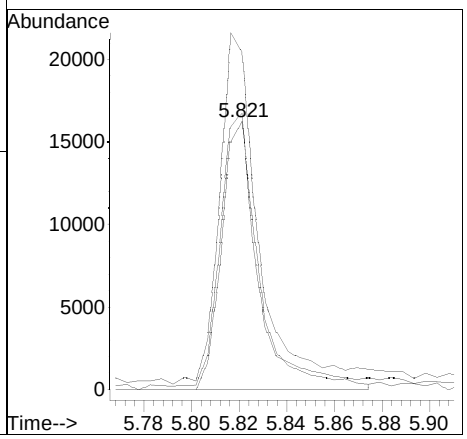


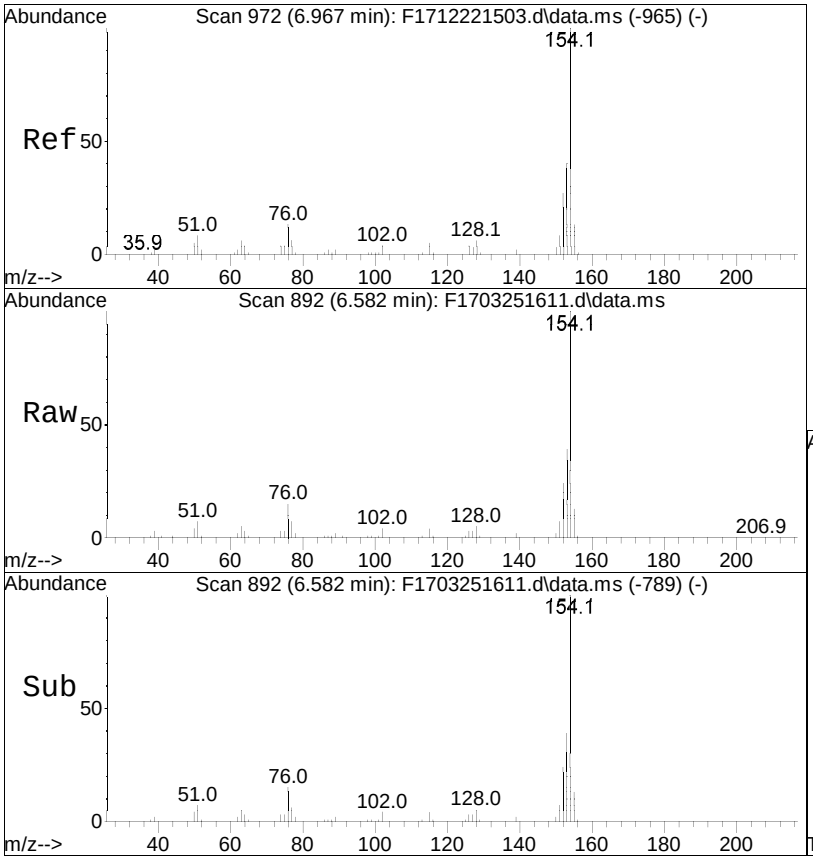


#35
Caprolactam
Concen: 0.42 ug/ml
RT: 5.821 min Scan# 734
Delta R.T. -0.019 min
Lab File: F1703251611.d
Acq: 25 Mar 2016 9:54 pm

Tgt Ion:113 Resp: 18037

Ion	Ratio	Lower	Upper
113	100		
55	126.5	96.0	144.0
56	97.0	73.8	110.8

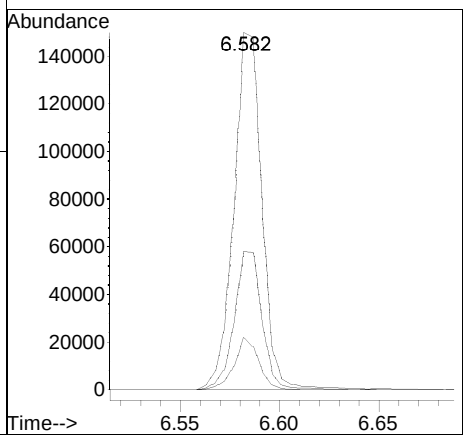


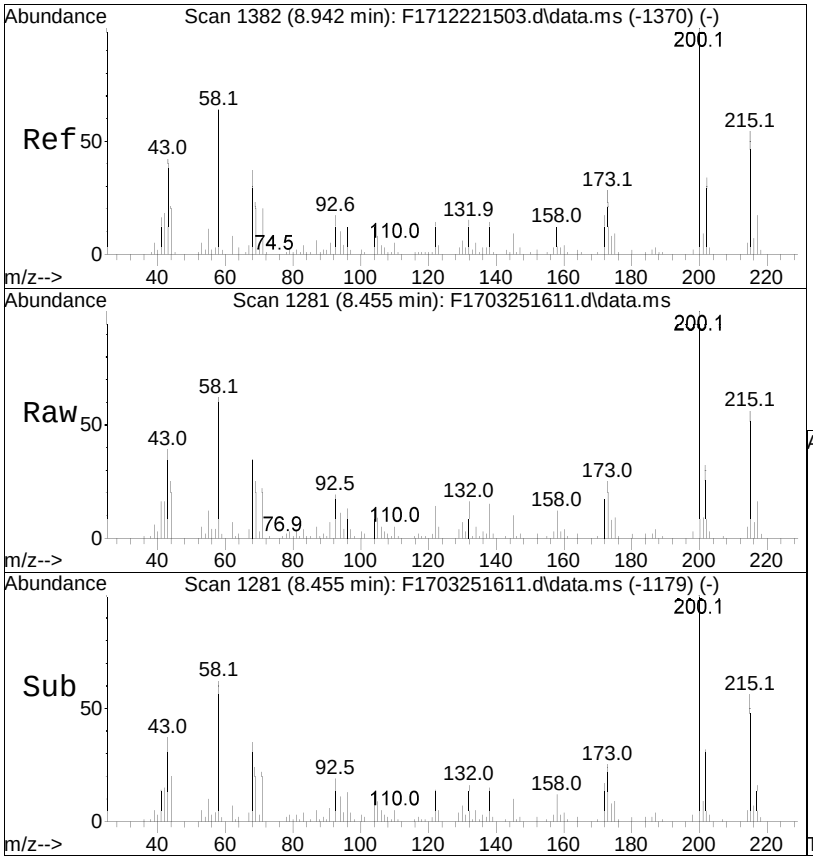


#44
Biphenyl
Concen: 0.47 ug/ml
RT: 6.582 min Scan# 892
Delta R.T. -0.005 min
Lab File: F1703251611.d
Acq: 25 Mar 2016 9:54 pm

Tgt Ion:154 Resp: 146531

Ion	Ratio	Lower	Upper
154	100		
153	38.4	31.7	47.5
76	12.9	9.6	14.4

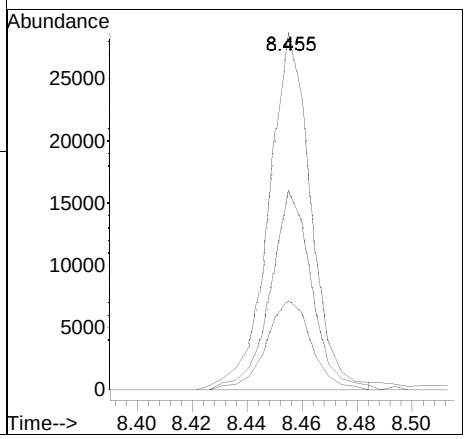


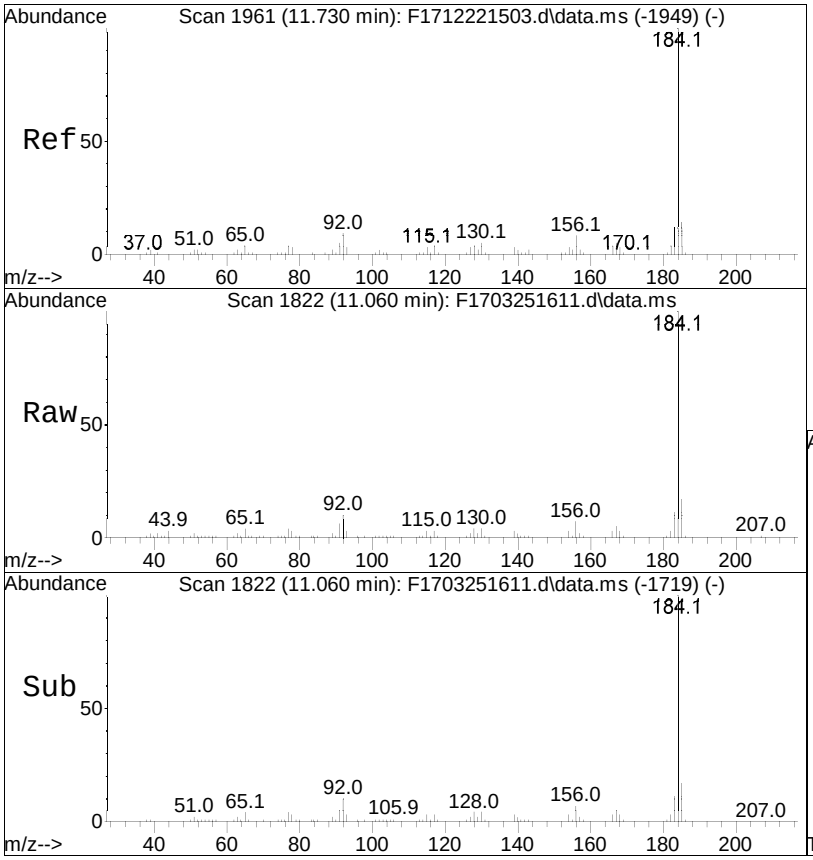


#68
Atrazine
Concen: 0.45 ug/ml
RT: 8.455 min Scan# 1281
Delta R.T. -0.010 min
Lab File: F1703251611.d
Acq: 25 Mar 2016 9:54 pm

Tgt Ion:200 Resp: 30463

Ion	Ratio	Lower	Upper
200	100		
173	27.0	22.0	33.0
215	54.7	41.8	62.8

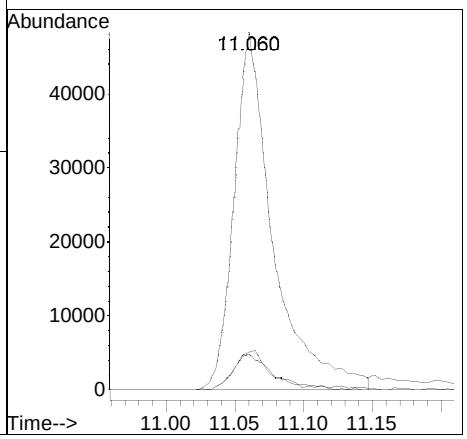


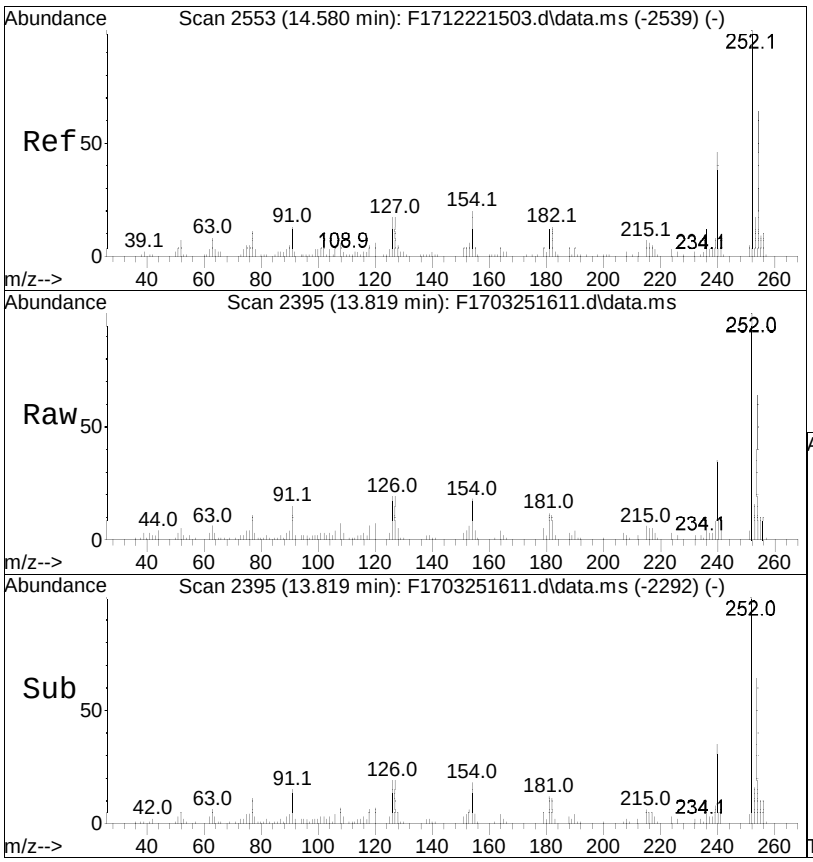


#77
Benzidine
Concen: 0.35 ug/mL
RT: 11.060 min Scan# 1822
Delta R.T. -0.005 min
Lab File: F1703251611.d
Acq: 25 Mar 2016 9:54 pm

Tgt Ion:184 Resp: 94830

Ion	Ratio	Lower	Upper
184	100		
183	11.0	9.1	13.7
92	9.7	7.8	11.6

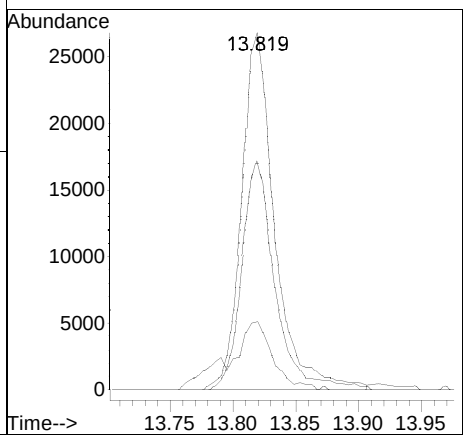




#81
3,3'-Dichlorobenzidine
Concen: 0.43 ug/mL M4
RT: 13.819 min Scan# 2395
Delta R.T. -0.005 min
Lab File: F1703251611.d
Acq: 25 Mar 2016 9:54 pm

Tgt Ion:252 Resp: 48808

Ion	Ratio	Lower	Upper
252	100		
254	63.9	50.3	75.5
126	16.3	14.5	21.7

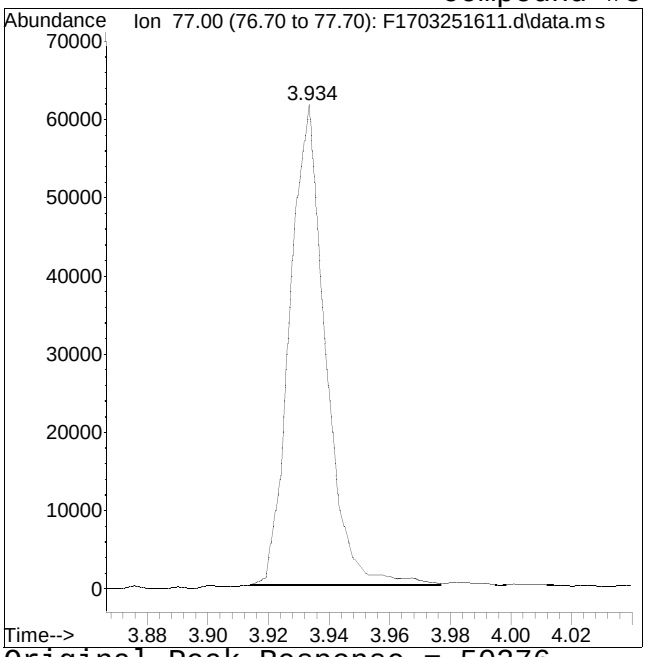


Manual Integration/Negative Proof Report

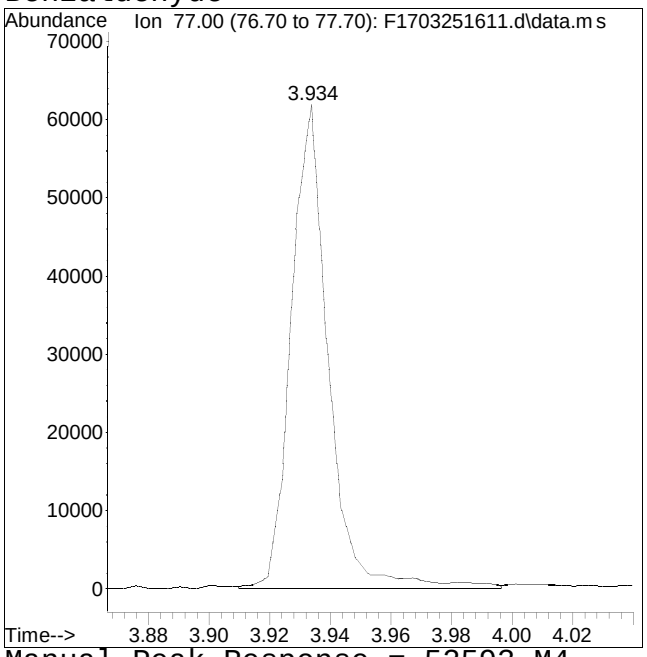
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251611.d
Date Inj'd : 3/25/2016 9:54 pm
Sample : I1703251609

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #5: Benzaldehyde



Original Peak Response = 50276



Manual Peak Response = 52593 M4

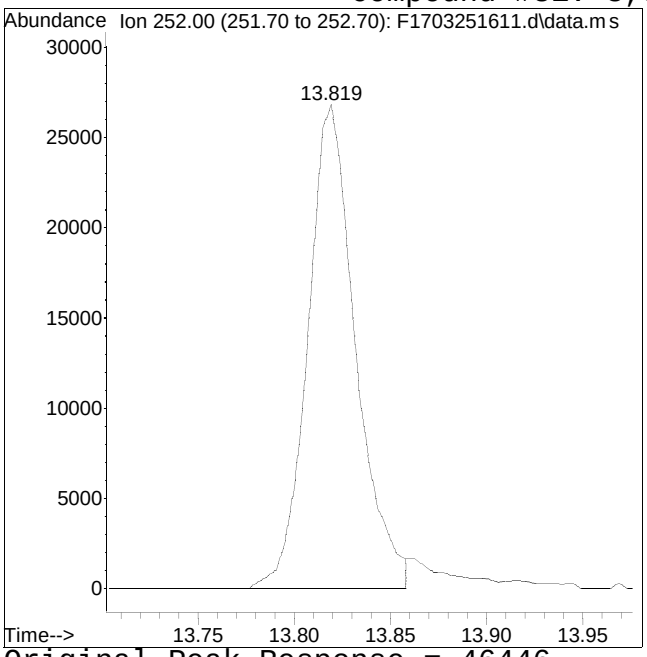
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

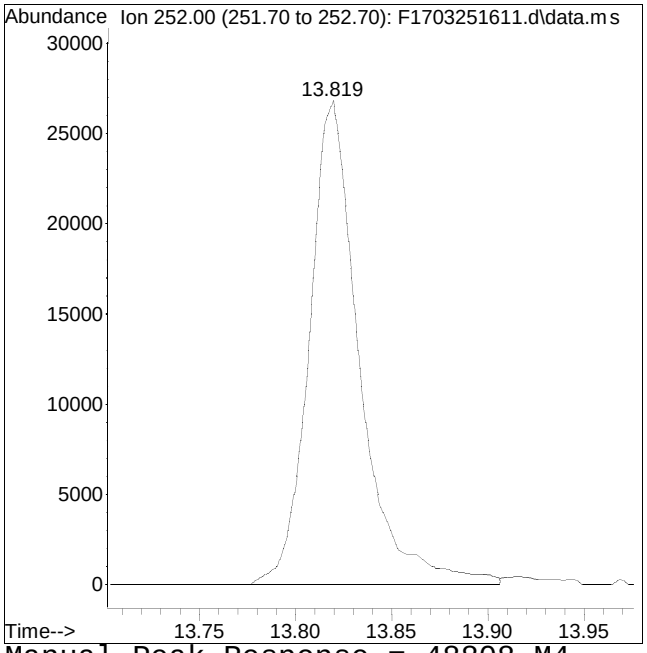
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251611.d
Date Inj'd : 3/25/2016 9:54 pm
Sample : I1703251609

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 10:53 am

Compound #81: 3,3'-Dichlorobenzidine



Original Peak Response = 46446



Manual Peak Response = 48808 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251612.d
Acq On : 25 Mar 2016 10:23 pm
Operator : PAH17:ML
Sample : I1703251610
Misc : WG877746,MSAI27
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 26 11:37:10 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.295	152	486274	5.000	ug/mL	-0.01
21) Naphthalene-d8	5.450	136	1968364	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.136	164	953442	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.787	188	1754350	5.000	ug/mL	0.00
76) Chrysene-d12	13.786	240	1504829	5.000	ug/mL	-0.01
85) Perylene-d12	16.916	264	1365046	5.000	ug/mL	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D. d		
5) Benzaldehyde	3.929	77	106736	0.772	ug/ml	95
6) Aniline	0.000		0	N.D. d		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D. d		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	4.651	105	177424	0.810	ug/ml	99
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D. d		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251612.d
Acq On : 25 Mar 2016 10:23 pm
Operator : PAH17:ML
Sample : I1703251610
Misc : WG877746,MSAI27
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 26 11:37:10 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D. d		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	5.821	113	37256	0.806	ug/ml	90
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	6.582	154	288956	0.853	ug/ml	98
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D. d		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D. d		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D. d		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	8.455	200	62644	0.846	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251612.d
Acq On : 25 Mar 2016 10:23 pm
Operator : PAH17:ML
Sample : I1703251610
Misc : WG877746,MSAI27
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 26 11:37:10 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D. d		
72) Anthracene	0.000		0	N.D. d		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D. d		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.060	184	224850	0.767	ug/mL	99
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	13.820	252	97412	0.804	ug/mL#	97
82) Benz[a]anthracene	0.000		0	N.D. d		
83) Chrysene	0.000		0	N.D. d		
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D. d		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D. d		
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

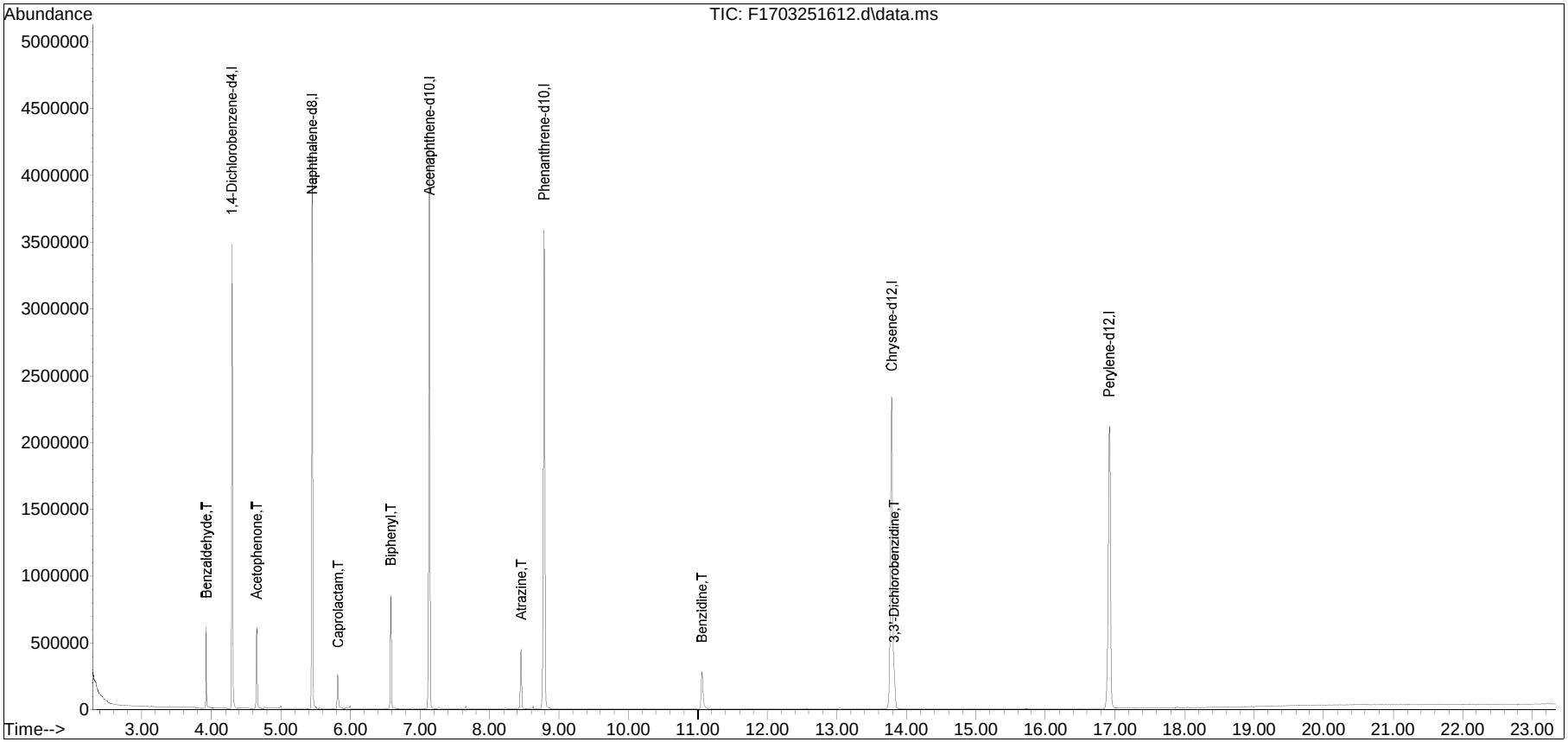
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251612.d
Acq On : 25 Mar 2016 10:23 pm
Operator : PAH17:ML
Sample : I1703251610
Misc : WG877746,MSAI27
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 26 11:37:10 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH17\2016Q	Method	: SV0325PAH17.M
Data File	: F1703251612.d	Operator	: PAH17:ML
Date Inj'd	: 3/25/2016 10:23 pm	Instrument	: PAH17
Sample	: I1703251610	Quant Date	: 3/26/2016 10:53 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251613.d
Acq On : 25 Mar 2016 10:52 pm
Operator : PAH17:ML
Sample : I1703251611
Misc : WG877746,MSAI26
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 26 11:38:06 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.295	152	486550	5.000	ug/mL	-0.01
21) Naphthalene-d8	5.450	136	1973588	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.136	164	959459	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.787	188	1746901	5.000	ug/mL	0.00
76) Chrysene-d12	13.786	240	1513763	5.000	ug/mL	-0.01
85) Perylene-d12	16.920	264	1360338	5.000	ug/mL	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.	d	
5) Benzaldehyde	3.929	77	210946	1.525	ug/ml	97
6) Aniline	0.000		0	N.D.	d	
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.	d	
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	4.651	105	353582	1.614	ug/ml	99
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251613.d
Acq On : 25 Mar 2016 10:52 pm
Operator : PAH17:ML
Sample : I1703251611
Misc : WG877746,MSAI26
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 26 11:38:06 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D. d		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D. d		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	5.821	113	79936	1.725	ug/ml	92
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	6.582	154	580403	1.703	ug/ml	98
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D. d		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D. d		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D. d		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D. d		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	8.455	200	130933	1.776	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251613.d
Acq On : 25 Mar 2016 10:52 pm
Operator : PAH17:ML
Sample : I1703251611
Misc : WG877746,MSAI26
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 26 11:38:06 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D. d		
72) Anthracene	0.000		0	N.D. d		
73) Carbazole	0.000		0	N.D. d		
74) Di-n-butylphthalate	0.000		0	N.D. d		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.060	184	492145	1.669	ug/mL	99
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	13.819	252	211199	1.732	ug/mL	99
82) Benz[a]anthracene	0.000		0	N.D. d		
83) Chrysene	0.000		0	N.D. d		
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D. d		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D. d		
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

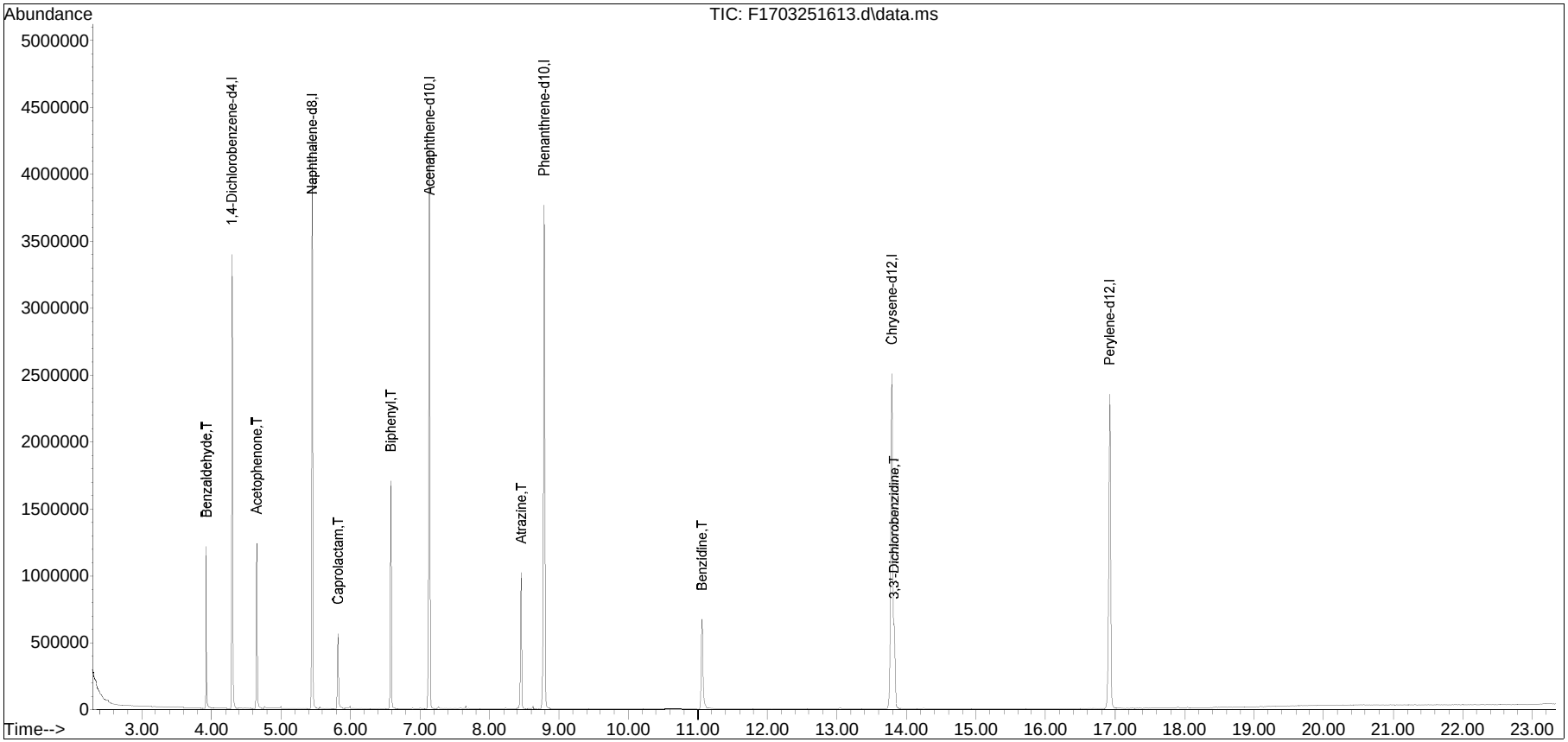
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251613.d
Acq On : 25 Mar 2016 10:52 pm
Operator : PAH17:ML
Sample : I1703251611
Misc : WG877746,MSAI26
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 26 11:38:06 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH17\2016Q	Method	: SV0325PAH17.M
Data File	: F1703251613.d	Operator	: PAH17:ML
Date Inj'd	: 3/25/2016 10:52 pm	Instrument	: PAH17
Sample	: I1703251611	Quant Date	: 3/26/2016 10:53 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251614.d
Acq On : 25 Mar 2016 11:21 pm
Operator : PAH17:ML
Sample : I1703251612
Misc : WG877746,MSAI25
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 26 11:38:50 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.300	152	498287	5.000	ug/mL	0.00
21) Naphthalene-d8	5.450	136	2017298	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.141	164	965711	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.787	188	1807502	5.000	ug/mL	0.00
76) Chrysene-d12	13.786	240	1540891	5.000	ug/mL	-0.01
85) Perylene-d12	16.925	264	1382946	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.	d	
5) Benzaldehyde	3.934	77	535580	3.780	ug/ml	98
6) Aniline	0.000		0	N.D.	d	
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.	d	
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.	d	
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	4.651	105	898696	4.006	ug/ml	99
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251614.d
Acq On : 25 Mar 2016 11:21 pm
Operator : PAH17:ML
Sample : I1703251612
Misc : WG877746,MSAI25
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 26 11:38:50 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D. d		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D. d		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	5.831	113	219014	4.624	ug/ml	93
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	6.587	154	1467449	4.277	ug/ml	98
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D. d		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D. d		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D. d		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D. d		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	8.460	200	340376	4.461	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251614.d
Acq On : 25 Mar 2016 11:21 pm
Operator : PAH17:ML
Sample : I1703251612
Misc : WG877746,MSAI25
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 26 11:38:50 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D. d		
72) Anthracene	0.000		0	N.D. d		
73) Carbazole	0.000		0	N.D. d		
74) Di-n-butylphthalate	0.000		0	N.D. d		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.060	184	1401347	4.669	ug/mL	100
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D. d		
81) 3,3'-Dichlorobenzidine	13.824	252	570634	4.597	ug/mL	99
82) Benz[a]anthracene	0.000		0	N.D. d		
83) Chrysene	0.000		0	N.D. d		
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D. d		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D. d		
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

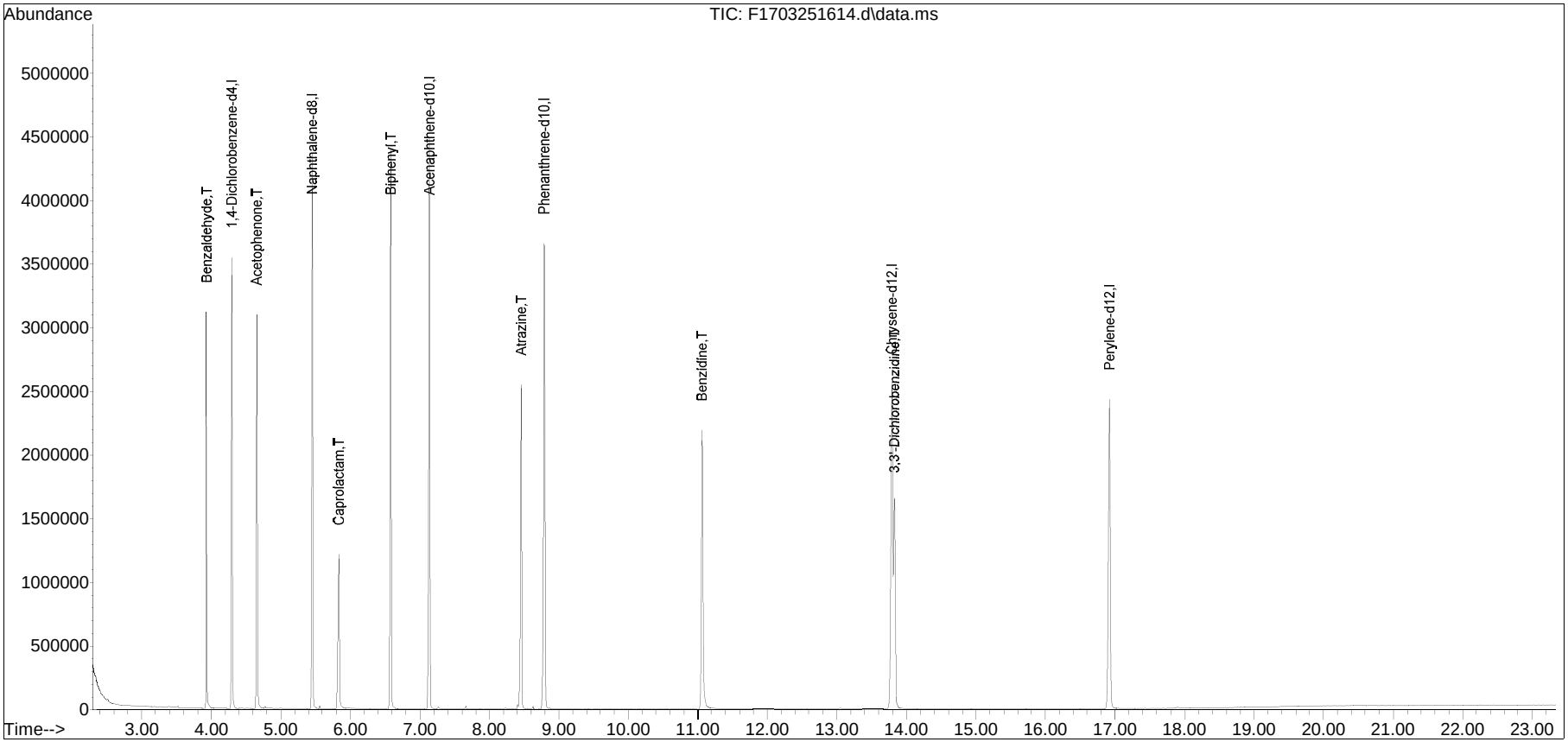
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251614.d
Acq On : 25 Mar 2016 11:21 pm
Operator : PAH17:ML
Sample : I1703251612
Misc : WG877746,MSAI25
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 26 11:38:50 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH17\2016Q	Method	: SV0325PAH17.M
Data File	: F1703251614.d	Operator	: PAH17:ML
Date Inj'd	: 3/25/2016 11:21 pm	Instrument	: PAH17
Sample	: I1703251612	Quant Date	: 3/26/2016 10:54 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251615.d
Acq On : 25 Mar 2016 11:51 pm
Operator : PAH17:ML
Sample : I1703251613
Misc : WG877746,MSAI22
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 26 10:52:14 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.295	152	492728	5.000	ug/mL	-0.01
21) Naphthalene-d8	5.451	136	1998683	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.136	164	969114	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.788	188	1795700	5.000	ug/mL	0.00
76) Chrysene-d12	13.786	240	1518601	5.000	ug/mL	-0.01
85) Perylene-d12	16.921	264	1363619	5.000	ug/mL	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery = 0.00%#			
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery = 0.00%#			
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery = 0.00%#			
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery = 0.00%#			
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery = 0.00%#			
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery = 0.00%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D. d		
5) Benzaldehyde	3.934	77	1013769	7.235	ug/ml	98
6) Aniline	0.000		0	N.D. d		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D. d		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	4.651	105	1700769	7.666	ug/ml	99
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D. d		
23) Nitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251615.d
Acq On : 25 Mar 2016 11:51 pm
Operator : PAH17:ML
Sample : I1703251613
Misc : WG877746,MSAI22
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 26 10:52:14 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D. d		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D. d		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	5.841	113	443260	9.446	ug/ml	96
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	6.587	154	2700324	7.843	ug/ml	99
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D. d		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D. d		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D. d		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D. d		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	8.465	200	667903	8.812	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251615.d
Acq On : 25 Mar 2016 11:51 pm
Operator : PAH17:ML
Sample : I1703251613
Misc : WG877746,MSAI22
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 26 10:52:14 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D. d		
72) Anthracene	0.000		0	N.D. d		
73) Carbazole	0.000		0	N.D. d		
74) Di-n-butylphthalate	0.000		0	N.D. d		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.065	184	2795473	9.451	ug/mL	100
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D. d		
81) 3,3'-Dichlorobenzidine	13.824	252	1137007	9.294	ug/mL	100
82) Benz[a]anthracene	0.000		0	N.D. d		
83) Chrysene	0.000		0	N.D. d		
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D. d		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D. d		
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

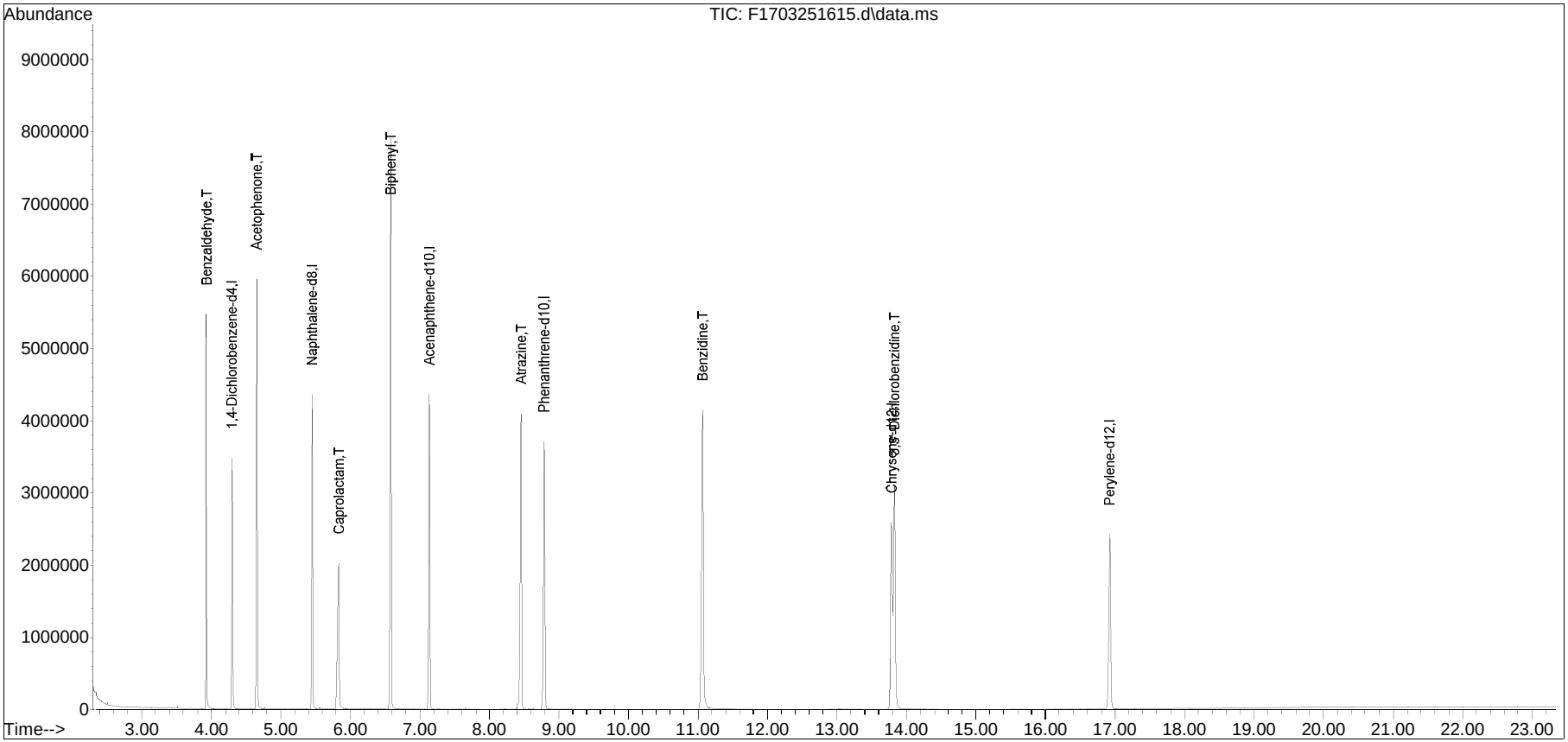
(#) = qualifier out of range (m) = manual integration (+) = signals summed

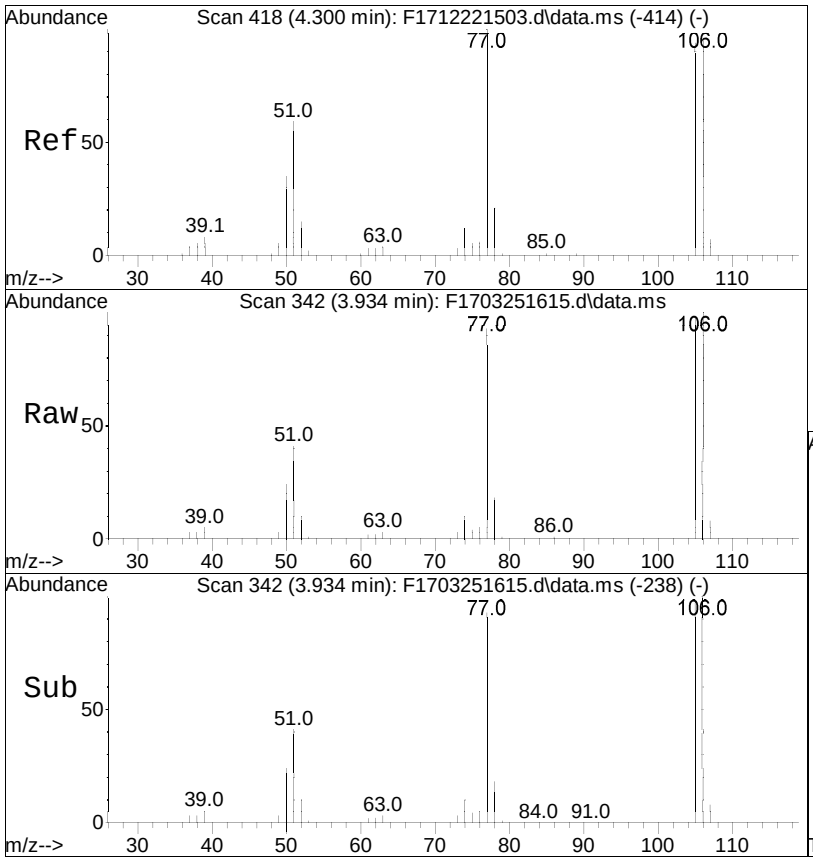
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251615.d
Acq On : 25 Mar 2016 11:51 pm
Operator : PAH17:ML
Sample : I1703251613
Misc : WG877746,MSAI22
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 26 10:52:14 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

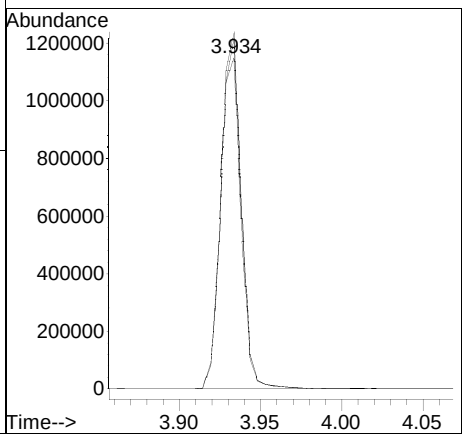


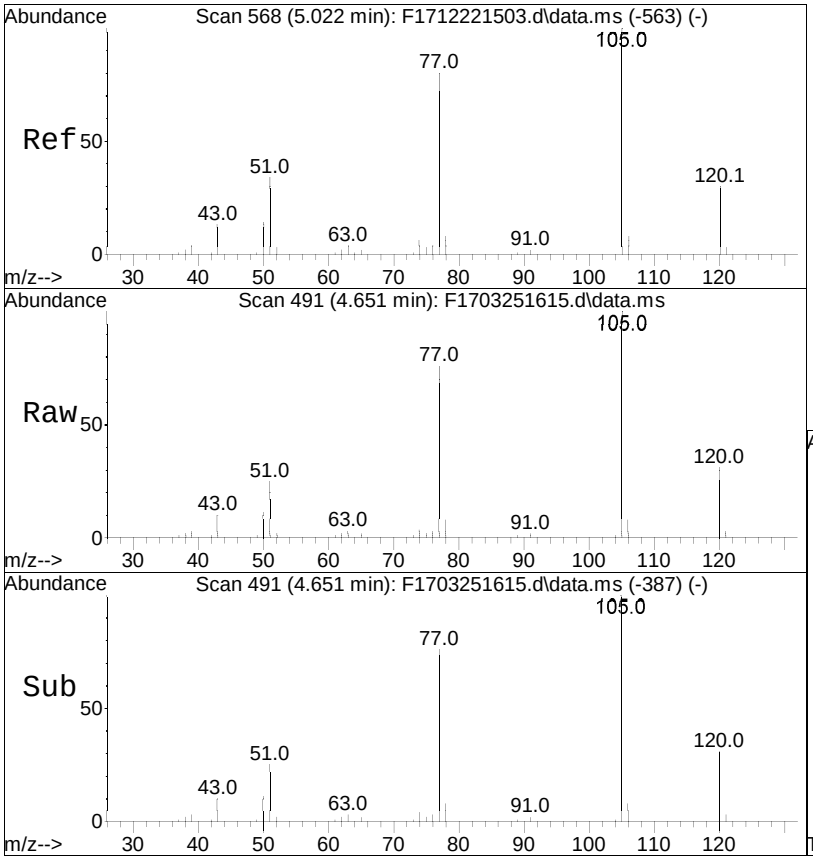


#5
Benzaldehyde
Concen: 7.24 ug/ml
RT: 3.934 min Scan# 342
Delta R.T. 0.000 min
Lab File: F1703251615.d
Acq: 25 Mar 2016 11:51 pm

Tgt Ion: 77 Resp: 1013769

Ion	Ratio	Lower	Upper
77	100		
105	103.2	84.6	126.8
106	106.4	86.2	129.4

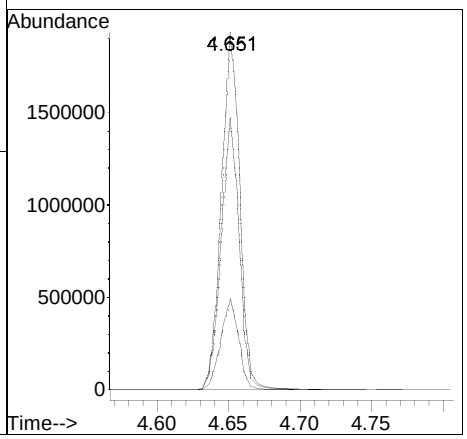


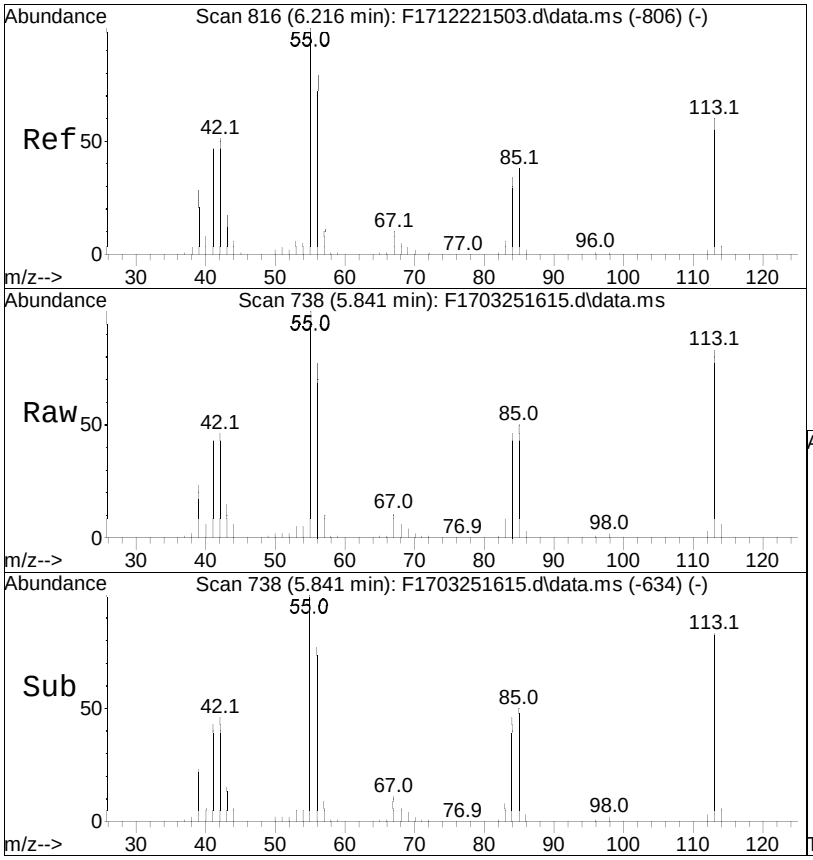


#17
Acetophenone
Concen: 7.67 ug/ml
RT: 4.651 min Scan# 491
Delta R.T. 0.000 min
Lab File: F1703251615.d
Acq: 25 Mar 2016 11:51 pm

Tgt Ion:105 Resp: 1700769

Ion	Ratio	Lower	Upper
105	100		
77	75.1	61.0	91.6
51	25.1	20.3	30.5

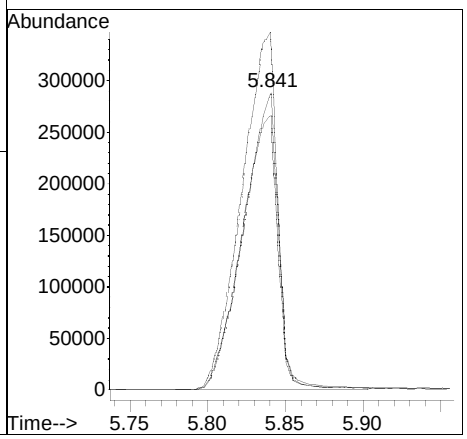


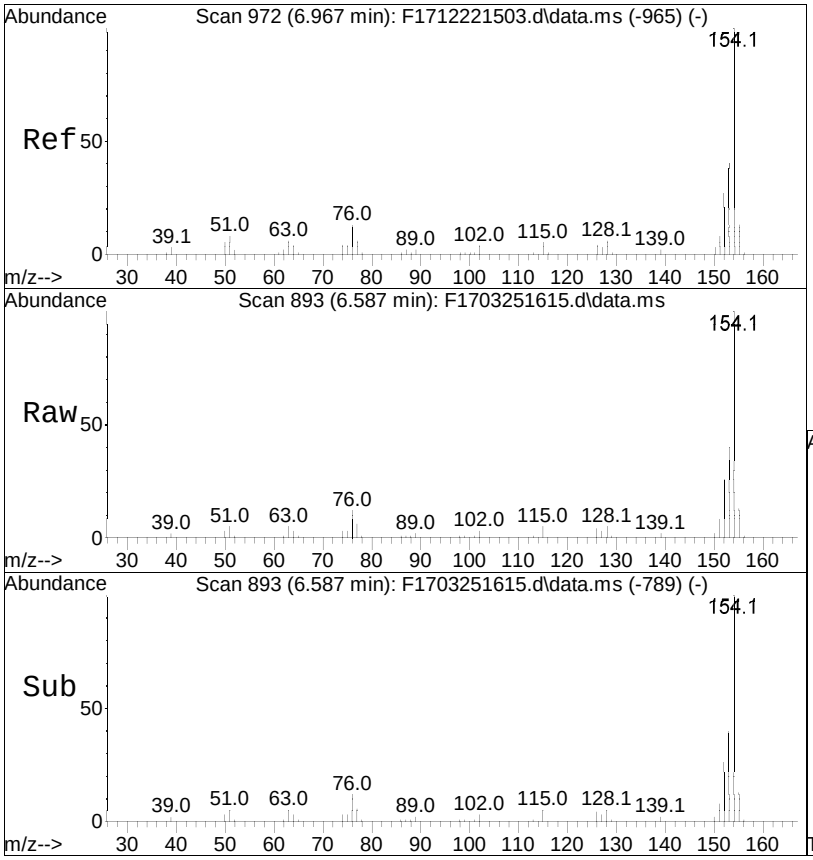


#35
Caprolactam
Concen: 9.45 ug/ml
RT: 5.841 min Scan# 738
Delta R.T. 0.000 min
Lab File: F1703251615.d
Acq: 25 Mar 2016 11:51 pm

Tgt Ion:113 Resp: 443260

Ion	Ratio	Lower	Upper
113	100		
55	125.0	96.0	144.0
56	96.6	73.8	110.8

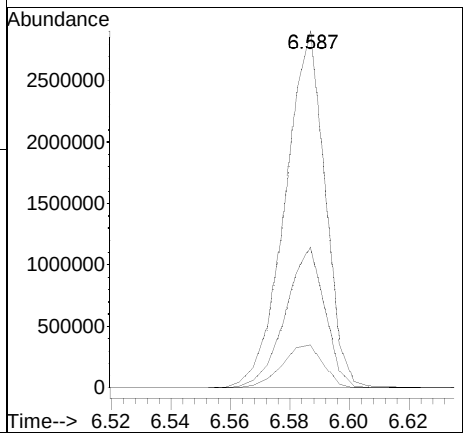


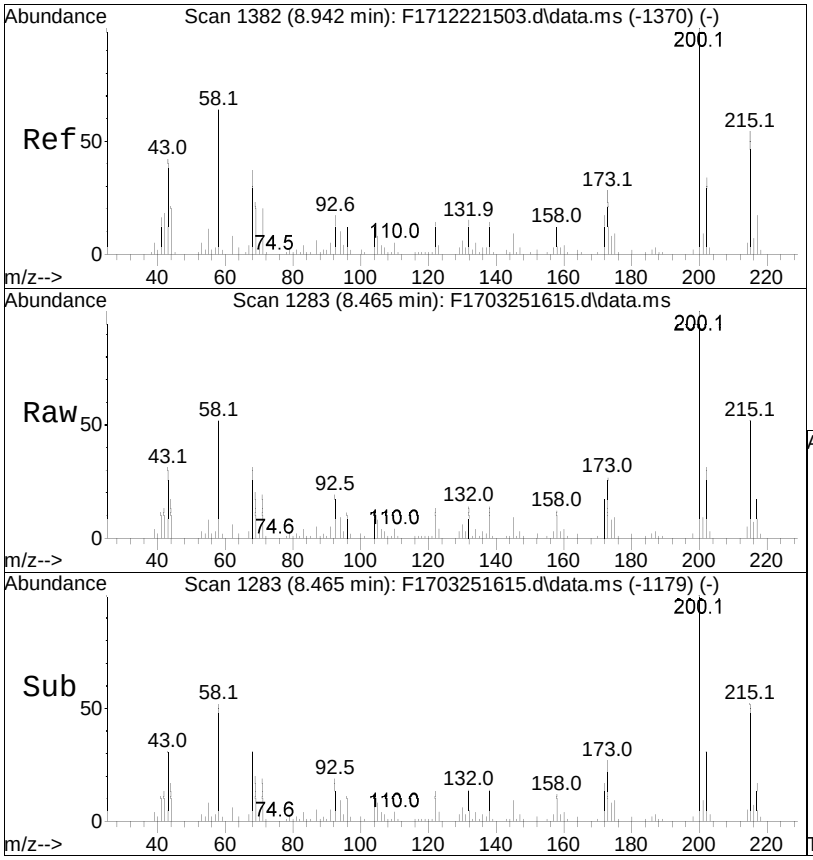


#44
Biphenyl
Concen: 7.84 ug/ml
RT: 6.587 min Scan# 893
Delta R.T. 0.000 min
Lab File: F1703251615.d
Acq: 25 Mar 2016 11:51 pm

Tgt Ion:154 Resp: 2700324

Ion	Ratio	Lower	Upper
154	100		
153	39.1	31.7	47.5
76	12.7	9.6	14.4

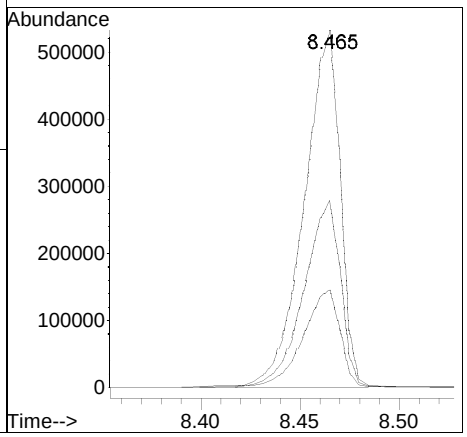


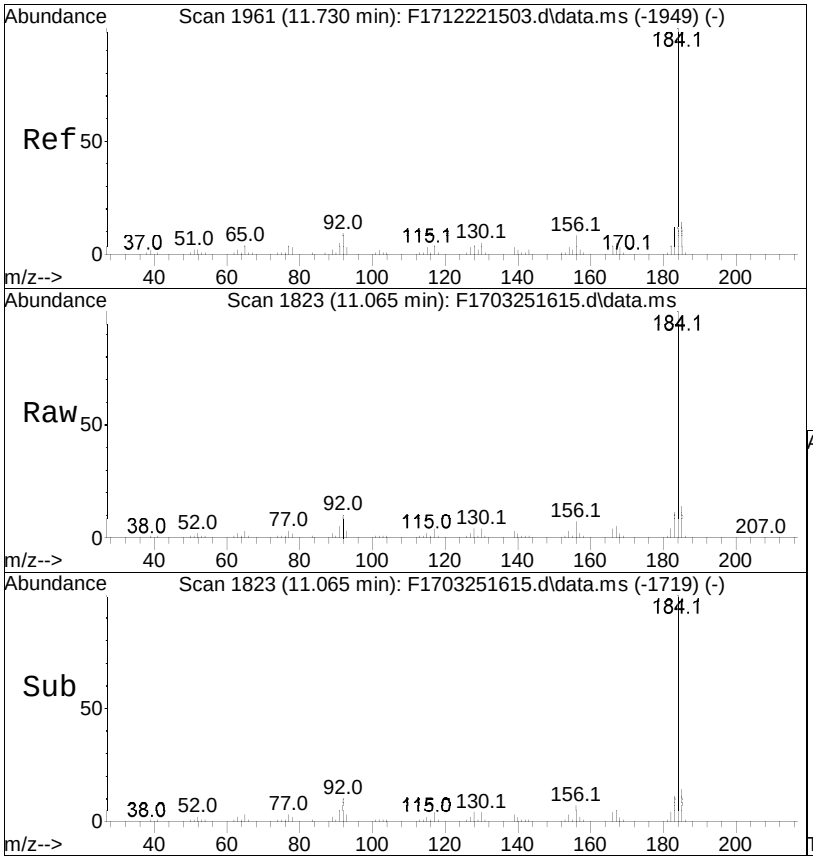


#68
Atrazine
Concen: 8.81 ug/ml
RT: 8.465 min Scan# 1283
Delta R.T. 0.000 min
Lab File: F1703251615.d
Acq: 25 Mar 2016 11:51 pm

Tgt Ion:200 Resp: 667903

Ion	Ratio	Lower	Upper
200	100		
173	27.6	22.0	33.0
215	53.3	41.8	62.8

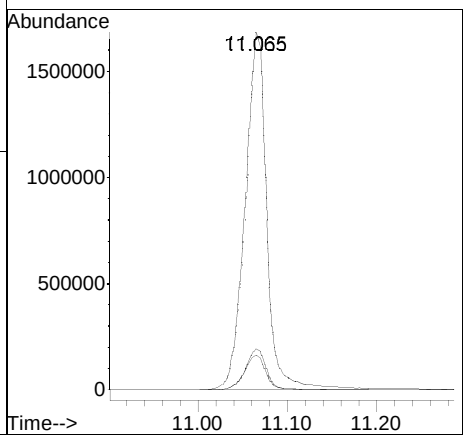


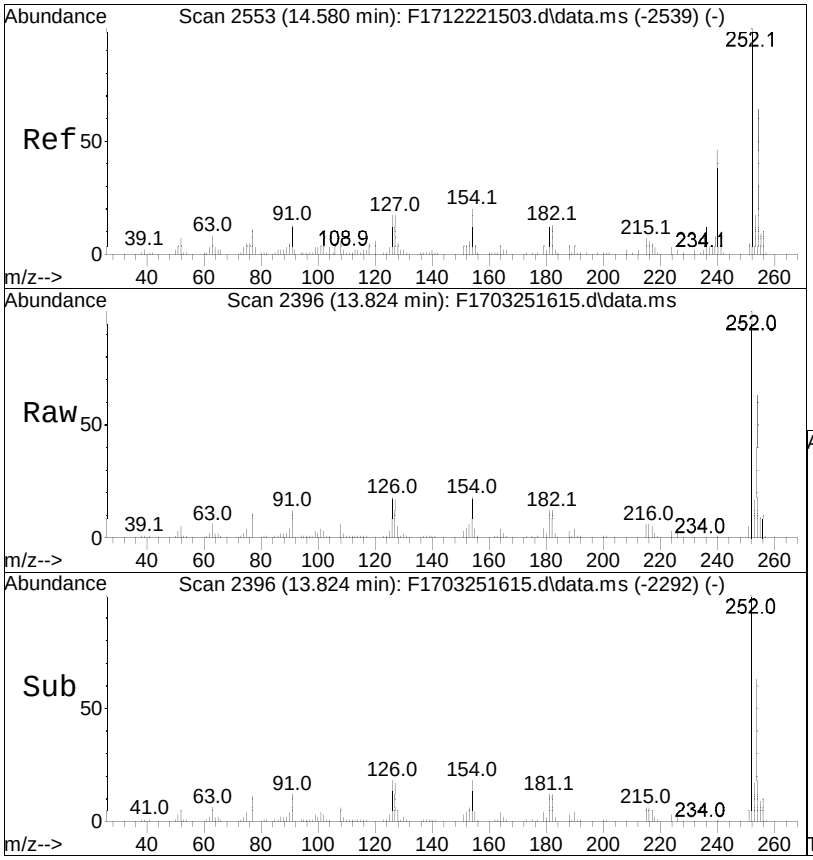


#77
Benzidine
Concen: 9.45 ug/mL
RT: 11.065 min Scan# 1823
Delta R.T. 0.000 min
Lab File: F1703251615.d
Acq: 25 Mar 2016 11:51 pm

Tgt Ion:184 Resp: 2795473

Ion	Ratio	Lower	Upper
184	100		
183	11.2	9.1	13.7
92	9.8	7.8	11.6

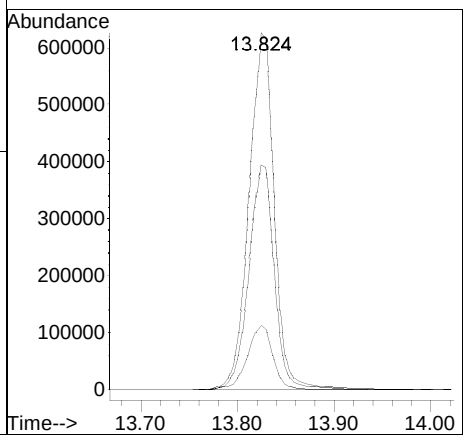




#81
3,3'-Dichlorobenzidine
Concen: 9.29 ug/mL
RT: 13.824 min Scan# 2396
Delta R.T. 0.000 min
Lab File: F1703251615.d
Acq: 25 Mar 2016 11:51 pm

Tgt Ion:252 Resp: 1137007

Ion	Ratio	Lower	Upper
252	100		
254	63.2	50.3	75.5
126	18.5	14.5	21.7



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH17\2016Q	Method	: SV0325PAH17.M
Data File	: F1703251615.d	Operator	: PAH17:ML
Date Inj'd	: 3/25/2016 11:51 pm	Instrument	: PAH17
Sample	: I1703251613	Quant Date	: 3/26/2016 10:50 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251616.d
Acq On : 26 Mar 2016 12:20 am
Operator : PAH17:ML
Sample : I1703251614
Misc : WG877746,MSAI24
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 26 11:39:35 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.300	152	495981	5.000	ug/mL	0.00
21) Naphthalene-d8	5.450	136	2003355	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.136	164	961330	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.787	188	1778385	5.000	ug/mL	0.00
76) Chrysene-d12	13.786	240	1523935	5.000	ug/mL	-0.01
85) Perylene-d12	16.921	264	1360862	5.000	ug/mL	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.	d	
5) Benzaldehyde	3.934	77	1415094	10.033	ug/ml	98
6) Aniline	0.000		0	N.D.	d	
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.	d	
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.	d	
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	4.656	105	2437411	10.915	ug/ml	98
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.	d	
23) Nitrobenzene	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251616.d
Acq On : 26 Mar 2016 12:20 am
Operator : PAH17:ML
Sample : I1703251614
Misc : WG877746,MSAI24
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 26 11:39:35 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D. d		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D. d		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	5.845	113	659873	14.030	ug/ml	97
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	6.587	154	3811949	11.161	ug/ml	100
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D. d		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D. d		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D. d		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D. d		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	8.470	200	994364	13.247	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251616.d
Acq On : 26 Mar 2016 12:20 am
Operator : PAH17:ML
Sample : I1703251614
Misc : WG877746,MSAI24
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 26 11:39:35 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D. d		
72) Anthracene	0.000		0	N.D. d		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D. d		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.070	184	4165000	14.032	ug/mL	100
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	13.829	252	1710701	13.935	ug/mL	100
82) Benz[a]anthracene	0.000		0	N.D. d		
83) Chrysene	0.000		0	N.D. d		
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D. d		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D. d		
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

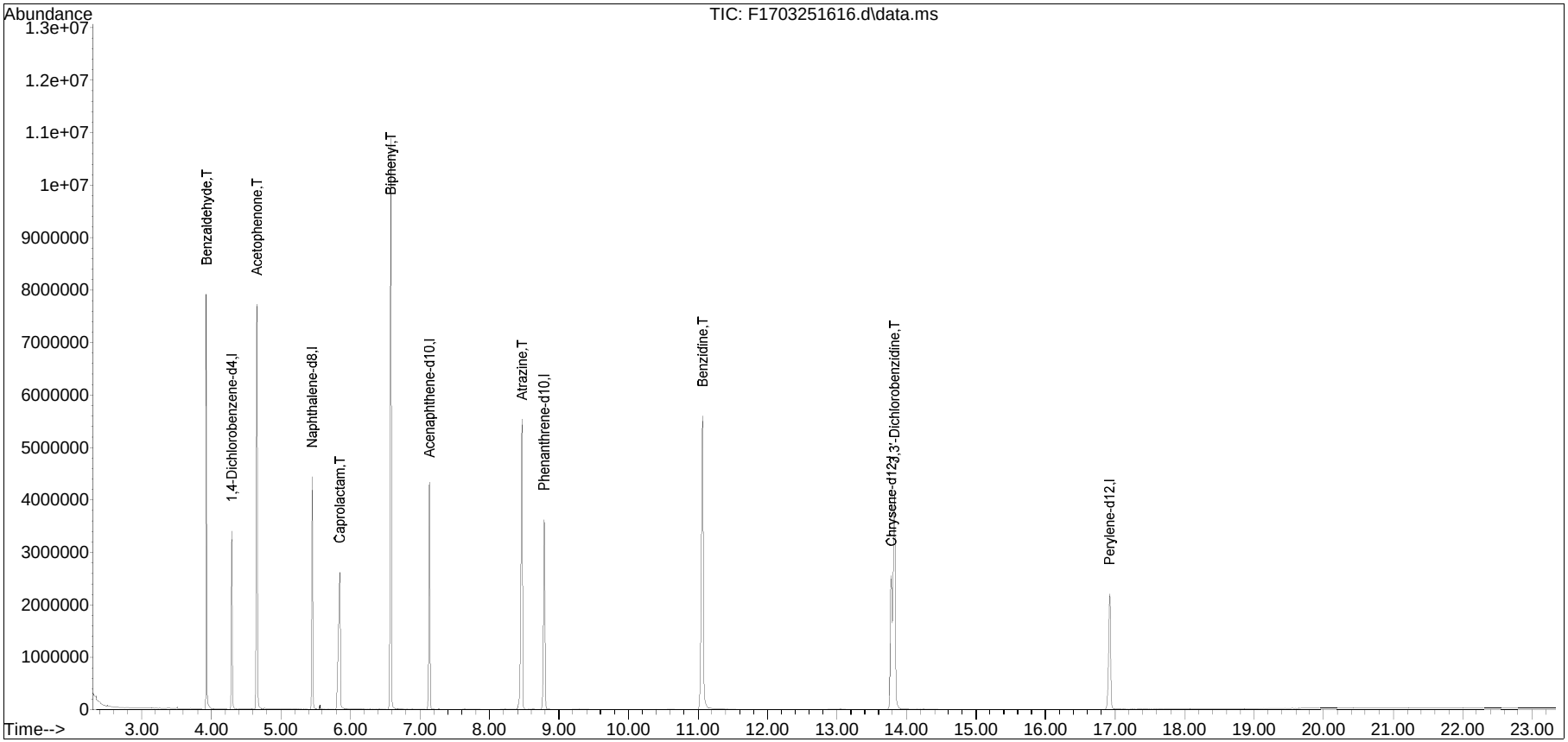
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251616.d
Acq On : 26 Mar 2016 12:20 am
Operator : PAH17:ML
Sample : I1703251614
Misc : WG877746,MSAI24
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 26 11:39:35 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH17\2016Q	Method	: SV0325PAH17.M
Data File	: F1703251616.d	Operator	: PAH17:ML
Date Inj'd	: 3/26/2016 12:20 am	Instrument	: PAH17
Sample	: I1703251614	Quant Date	: 3/26/2016 10:54 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251617.d
Acq On : 26 Mar 2016 12:49 am
Operator : PAH17:ML
Sample : I1703251615
Misc : WG877746,MSAI23
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 26 11:40:13 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.300	152	515870	5.000	ug/mL	0.00
21) Naphthalene-d8	5.450	136	2084167	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.141	164	1002237	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.792	188	1854667	5.000	ug/mL	0.00
76) Chrysene-d12	13.786	240	1581966	5.000	ug/mL	-0.01
85) Perylene-d12	16.925	264	1417715	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.	d	
5) Benzaldehyde	3.938	77	2267102	15.454	ug/ml	98
6) Aniline	0.000		0	N.D.	d	
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.	d	
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.	d	
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	4.656	105	3753727	16.161	ug/ml	99
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.	d	
23) Nitrobenzene	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251617.d
Acq On : 26 Mar 2016 12:49 am
Operator : PAH17:ML
Sample : I1703251615
Misc : WG877746,MSAI23
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 26 11:40:13 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D. d		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D. d		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	5.860	113	1100372	22.489	ug/ml	96
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	6.587	154	5849984	16.429	ug/ml	100
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D. d		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D. d		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D. d		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D. d		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	8.474	200	1606627	20.523	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251617.d
Acq On : 26 Mar 2016 12:49 am
Operator : PAH17:ML
Sample : I1703251615
Misc : WG877746,MSAI23
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 26 11:40:13 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D. d		
72) Anthracene	0.000		0	N.D. d		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D. d		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.084	184	6692566	21.720	ug/mL	99
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	13.843	252	2817635	22.110	ug/mL	99
82) Benz[a]anthracene	0.000		0	N.D. d		
83) Chrysene	0.000		0	N.D. d		
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D. d		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D. d		
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

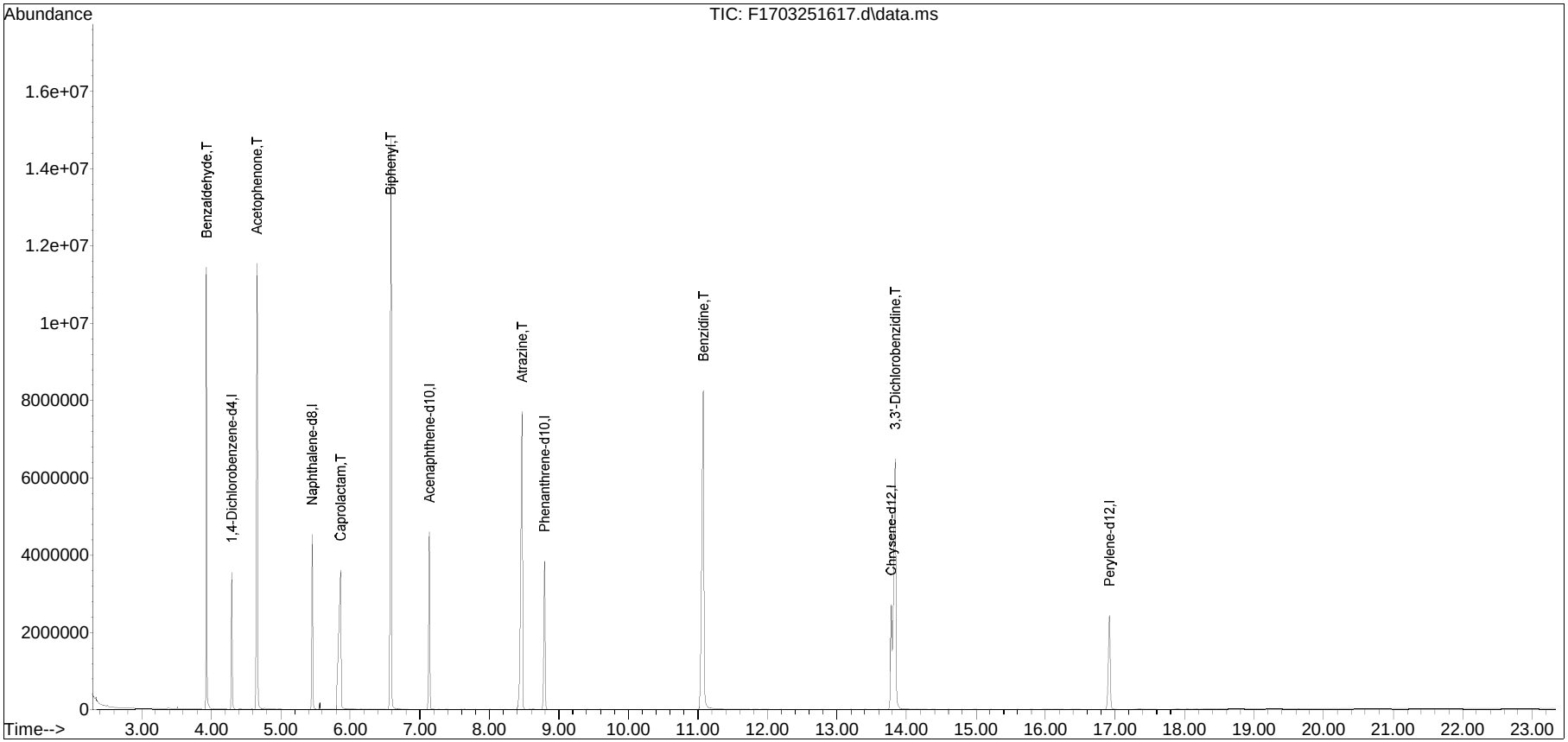
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251617.d
Acq On : 26 Mar 2016 12:49 am
Operator : PAH17:ML
Sample : I1703251615
Misc : WG877746,MSAI23
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 26 11:40:13 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 10:50:37 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH17\2016Q	Method	: SV0325PAH17.M
Data File	: F1703251617.d	Operator	: PAH17:ML
Date Inj'd	: 3/26/2016 12:49 am	Instrument	: PAH17
Sample	: I1703251615	Quant Date	: 3/26/2016 10:54 am

There are no manual integrations or false positives in this file.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251618.d
Acq On : 26 Mar 2016 1:18 am
Operator : PAH17:ML
Sample : CQ1703251601
Misc : WG877746,MSAI01
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 28 11:31:10 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Mar 28 11:33:59 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
2	T	N-Nitrosodimethylamine	0.781	0.821	-5.1	108	-0.03
3	t	Pyridine	1.434	1.399	2.4	102	-0.01
4	S	2-Fluorophenol	1.248	0.000	100.0#	0#	-3.25#
5	T	Benzaldehyde	1.040	0.000	100.0#	0#	-3.93#
6	T	Aniline	1.921	1.929	-0.4	106	0.00
7	T	bis(2-Chloroethyl)ether	0.889	0.840	5.5	98	0.00
8	S	Phenol-d5	1.562	0.000	100.0#	0#	-3.99#
9	MC	Phenol	1.659	1.588	4.3#	99	0.00
10	M	2-Chlorophenol	1.366	1.295	5.2	97	0.00
11	T	1,3-Dichlorobenzene	1.360	1.290	5.1	97	0.00
12	MC	1,4-Dichlorobenzene	1.362	1.299	4.6#	98	0.00
13	T	1,2-Dichlorobenzene	1.280	1.234	3.6	98	0.00
14	T	Benzyl alcohol	0.903	0.875	3.1	98	0.00
15	T	bis(2-chloroisopropyl)ether	1.721	1.546	10.2	94	0.00
16	T	2-Methylphenol	1.133	1.167	-3.0	106	0.00
17	T	Acetophenone	1.748	1.506	13.8	87	0.00
18	T	Hexachloroethane	0.561	0.535	4.6	97	0.00
19	MP	N-Nitroso-di-n-propylamine	0.906	0.785	13.4	92	0.00
20	T	4-Methylphenol	1.209	1.089	9.9	96	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	101	0.00
22	S	Nitrobenzene-d5	0.300	0.000	100.0#	0#	-4.80#
23	T	Nitrobenzene	0.315	0.299	5.1	96	0.00
24	T	Isophorone	0.519	0.586	-12.9	116	0.00
25	TC	2-Nitrophenol	0.158	0.158	0.0	97	0.00
26	T	2,4-Dimethylphenol	0.275	0.296	-7.6	114	0.00
27	T	Benzoic acid	* 10.000	0.000	100.0#	0	-5.25#
28	T	bis(2-Chloroethoxy)methane	0.365	0.357	2.2	103	0.00
29	TC	2,4-Dichlorophenol	0.243	0.236	2.9#	100	0.00
30	M	1,2,4-Trichlorobenzene	0.255	0.245	3.9	100	0.00
31	T	Naphthalene	0.866	0.828	4.4	99	0.00
32	T	2-Chloroaniline	0.451	0.387	14.2	88	0.00
33	T	4-Chloroaniline	0.386	0.384	0.5	102	0.00
34	TC	Hexachlorobutadiene	0.121	0.117	3.3#	101	0.00
35	T	Caprolactam	0.104	0.108	-3.8	99	0.02
36	MC	4-Chloro-3-methylphenol	0.269	0.262	2.6#	100	0.00
37	T	2-Methylnaphthalene	0.567	0.566	0.2	105	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251618.d
Acq On : 26 Mar 2016 1:18 am
Operator : PAH17:ML
Sample : CQ1703251601
Misc : WG877746,MSAI01
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 28 11:31:10 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Mar 28 11:33:59 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
38	I	Acenaphthene-d10		1.000	1.000	0.0	103	0.00
39	T	1,2,4,5-Tetrachlorobenzene		0.422	0.426	-0.9	106	0.00
40	TP	Hexachlorocyclopentadiene	*	10.000	10.577	-5.8	106	0.00
41	TC	2,4,6-Trichlorophenol		0.331	0.313	5.4#	98	0.00
42	T	2,4,5-Trichlorophenol		0.318	0.325	-2.2	100	0.00
43	S	2-Fluorobiphenyl		1.154	0.000	100.0#	0#	-6.50#
44	T	Biphenyl		1.442	1.298	10.0	95	0.00
45	T	2-Chloronaphthalene		1.104	1.014	8.2	97	0.00
46	T	2-Nitroaniline		0.315	0.310	1.6	98	0.00
47	T	Acenaphthylene		1.782	1.586	11.0	94	0.00
48	T	Dimethylphthalate		1.222	1.172	4.1	103	0.00
49	T	2,6-Dinitrotoluene		0.267	0.283	-6.0	104	0.00
50	MC	Acenaphthene		1.144	1.052	8.0#	98	0.00
51	T	3-Nitroaniline		0.312	0.351	-12.5	110	0.00
52	TP	2,4-Dinitrophenol	*	10.000	7.909	20.9	78	0.00
53	T	Dibenzofuran		1.400	1.353	3.4	105	0.00
54		2,3,4,6-Tetrachlorophenol		0.197	0.240	-21.8	117	0.00
55	M	2,4-Dinitrotoluene		0.321	0.341	-6.2	101	0.00
56	MP	4-Nitrophenol		0.153	0.150	2.0	95	0.00
57	T	Fluorene		1.183	1.129	4.6	101	0.00
58	T	4-Chlorophenyl-phenylether		0.520	0.505	2.9	103	0.00
59	T	Diethylphthalate		1.263	1.180	6.6	99	0.00
60	T	4-Nitroaniline		0.335	0.357	-6.6	102	0.00
61	I	Phenanthrene-d10		1.000	1.000	0.0	102	0.00
62	T	4,6-Dinitro-2-methylphenol	*	10.000	8.837	11.6	93	0.00
63	T	Azobenzene		0.203	0.189	6.9	96	0.00
64	TC	n-Nitrosodiphenylamine		0.484	0.562	-16.1#	121	0.00
65	S	2,4,6-Tribromophenol		0.050	0.000	100.0#	0#	-7.95#
66	T	4-Bromophenyl-phenylether		0.150	0.149	0.7	104	0.00
67	T	Hexachlorobenzene		0.144	0.142	1.4	102	0.00
68	T	Atrazine		0.184	0.180	2.2	97	0.00
69	MC	Pentachlorophenol	*	10.000	7.609	23.9#	81	0.00
70	T	Pentachloronitrobenzene		0.056	0.061	-8.9	102	0.00
71	T	Phenanthrene		0.978	0.946	3.3	102	0.00
72	T	Anthracene		1.002	0.952	5.0	99	0.00
73	T	Carbazole		0.944	0.912	3.4	101	0.00
74	T	Di-n-butylphthalate		1.124	1.093	2.8	100	0.00
75	TC	Fluoranthene		1.001	0.954	4.7#	99	0.00

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251618.d
Acq On : 26 Mar 2016 1:18 am
Operator : PAH17:ML
Sample : CQ1703251601
Misc : WG877746,MSAI01
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 28 11:31:10 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Mar 28 11:33:59 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
76	I	Chrysene-d12	1.000	1.000	0.0	102	0.00
77	T	Benzidine	0.832	0.000	100.0#	0#	-11.07#
78	M	Pyrene	1.244	1.206	3.1	100	0.00
79	S	Terphenyl-d14	0.683	0.000	100.0#	0#	-11.57#
80	T	Butylbenzylphthalate	0.618	0.593	4.0	96	0.00
81	T	3,3'-Dichlorobenzidine	0.357	0.276	22.7	73	0.00
82	T	Benz[a]anthracene	1.044	1.022	2.1	101	0.00
83	T	Chrysene	1.018	0.919	9.7	93	0.00
84	T	bis(2-Ethylhexyl)phthalate	0.821	0.816	0.6	98	0.00
85	I	Perylene-d12	1.000	1.000	0.0	102	0.00
86	TC	Di-n-octylphthalate	1.523	1.506	1.1#	96	0.00
87	T	Benzo[b]fluoranthene	1.056	1.017	3.7	101	0.00
88	T	Benzo[k]fluoranthene	1.002	0.957	4.5	97	0.00
89	TC	Benzo[a]pyrene	0.996	0.967	2.9#	99	0.00
90	T	Indeno[1,2,3-cd]pyrene	0.872	0.828	5.0	98	0.00
91	T	Dibenz[a,h]anthracene	0.861	0.817	5.1	97	0.00
92	T	Benzo[g,h,i]perylene	0.886	0.869	1.9	100	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 12

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	1.01	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.71	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251618.d
Acq On : 26 Mar 2016 1:18 am
Operator : PAH17:ML
Sample : CQ1703251601
Misc : WG877746,MSAI01
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 28 11:31:10 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Mar 28 11:33:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.300	152	493448	5.000	ug/mL	0.00
21) Naphthalene-d8	5.450	136	2019407	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.141	164	988693	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.792	188	1802218	5.000	ug/mL	0.00
76) Chrysene-d12	13.800	240	1497770	5.000	ug/mL	0.00
85) Perylene-d12	16.925	264	1394120	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.311	74	810552M4	10.515	ug/mL	
3) Pyridine	2.325	79	1380592	9.754	ug/mL#	70
5) Benzaldehyde	0.000		0	N.D.		
6) Aniline	4.016	93	1904058M4	10.045	ug/ml	
7) bis(2-Chloroethyl)ether	4.073	63	829291	9.454	ug/mL#	79
9) Phenol	3.987	94	1567581	9.574	ug/mL#	84
10) 2-Chlorophenol	4.117	128	1277545	9.475	ug/mL	93
11) 1,3-Dichlorobenzene	4.247	146	1272754	9.483	ug/mL	99
12) 1,4-Dichlorobenzene	4.314	146	1282401	9.538	ug/mL	99
13) 1,2-Dichlorobenzene	4.444	146	1217893	9.637	ug/mL	100
14) Benzyl alcohol	4.420	108	863572	9.690	ug/mL	95
15) bis(2-chloroisopropyl)eth	4.540	45	1525485	8.981	ug/mL#	90
16) 2-Methylphenol	4.516	108	1151308	10.301	ug/mL	99
17) Acetophenone	4.656	105	1486009	8.613	ug/ml#	78
18) Hexachloroethane	4.743	117	527597	9.522	ug/mL	90
19) N-Nitroso-di-n-propylamin	4.661	70	774557	8.661	ug/mL#	77
20) 4-Methylphenol	4.656	108	1074564	9.004	ug/mL	89
23) Nitrobenzene	4.810	77	1207540	9.485	ug/mL	95

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251618.d
Acq On : 26 Mar 2016 1:18 am
Operator : PAH17:ML
Sample : CQ1703251601
Misc : WG877746,MSAI01
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 28 11:31:10 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Mar 28 11:33:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.032	82	2365351	11.277	ug/mL	99
25) 2-Nitrophenol	5.099	139	637629	9.976	ug/mL	92
26) 2,4-Dimethylphenol	5.142	107	1196853	10.768	ug/mL	98
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	5.234	93	1441617	9.783	ug/mL	100
29) 2,4-Dichlorophenol	5.320	162	952601	9.709	ug/mL	98
30) 1,2,4-Trichlorobenzene	5.402	180	990969	9.617	ug/mL	100
31) Naphthalene	5.475	128	3345318	9.560	ug/mL	99
32) 2-Chloroaniline	5.065	127	1562363	8.579	ug/ml	100
33) 4-Chloroaniline	5.528	127	1551424	9.940	ug/mL	100
34) Hexachlorobutadiene	5.590	225	474388	9.737	ug/mL	100
35) Caprolactam	5.865	113	437592M4	10.391	ug/ml	
36) 4-Chloro-3-methylphenol	5.999	107	1057714	9.725	ug/mL	100
37) 2-Methylnaphthalene	6.134	142	2285285	9.982	ug/mL	98
39) 1,2,4,5-Tetrachlorobenzen	6.293	216	842014	10.093	ug/mL	99
40) Hexachlorocyclopentadiene	6.284	237	337252	10.577	ug/mL	99
41) 2,4,6-Trichlorophenol	6.409	196	617969	9.441	ug/mL	99
42) 2,4,5-Trichlorophenol	6.442	196	642224	10.220	ug/mL	97
44) Biphenyl	6.587	154	2567607	9.004	ug/ml#	98
45) 2-Chloronaphthalene	6.601	162	2004206	9.180	ug/mL	95
46) 2-Nitroaniline	6.707	65	613508	9.836	ug/mL	87
47) Acenaphthylene	7.006	152	3136051	8.898	ug/mL	100
48) Dimethylphthalate	6.900	163	2317229	9.586	ug/mL	99
49) 2,6-Dinitrotoluene	6.953	165	559830	10.609	ug/mL	96
50) Acenaphthene	7.174	153	2081179	9.199	ug/mL	98
51) 3-Nitroaniline	7.112	138	694726	11.269	ug/mL	100
52) 2,4-Dinitrophenol	7.218	184	182593	7.909	ug/mL#	90
53) Dibenzofuran	7.343	168	2676083	9.666	ug/mL	100
54) 2,3,4,6-Tetrachlorophenol	7.468	232	475381	12.225		99
55) 2,4-Dinitrotoluene	7.343	165	675157	10.626	ug/mL#	84
56) 4-Nitrophenol	7.285	109	296049	9.757	ug/mL	95
57) Fluorene	7.685	166	2231534	9.542	ug/mL	98
58) 4-Chlorophenyl-phenylethe	7.694	204	998993	9.711	ug/mL	99
59) Diethylphthalate	7.593	149	2333474	9.343	ug/mL	99
60) 4-Nitroaniline	7.718	138	705511	10.635	ug/mL	92
62) 4,6-Dinitro-2-methylpheno	7.752	198	352360	8.837	ug/mL#	100
63) Azobenzene	7.863	182	679761	9.272	ug/mL	95
64) n-Nitrosodiphenylamine	7.824	169	2023941	11.594	ug/mL	98
66) 4-Bromophenyl-phenylether	8.239	248	537236	9.943	ug/mL	100
67) Hexachlorobenzene	8.301	284	510868	9.844	ug/mL	96
68) Atrazine	8.465	200	648799	9.772	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251618.d
Acq On : 26 Mar 2016 1:18 am
Operator : PAH17:ML
Sample : CQ1703251601
Misc : WG877746,MSAI01
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 28 11:31:10 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Mar 28 11:33:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	8.552	266	267630	7.609	ug/mL	99
70) Pentachloronitrobenzene	8.566	237	220424	10.827	ug/ml	98
71) Phenanthrene	8.826	178	3408794	9.667	ug/mL	100
72) Anthracene	8.898	178	3430168M4	9.497	ug/mL	
73) Carbazole	9.139	167	3288010	9.658	ug/mL	99
74) Di-n-butylphthalate	9.746	149	3939298	9.725	ug/mL	99
75) Fluoranthene	10.738	202	3439337	9.537	ug/mL	97
77) Benzidine	0.000		0	N.D.	d	
78) Pyrene	11.157	202	3611575	9.695	ug/mL	96
80) Butylbenzylphthalate	12.741	149	1775066	9.590	ug/mL	99
81) 3,3'-Dichlorobenzidine	13.829	252	826231	7.731	ug/mL	99
82) Benz[a]anthracene	13.776	228	3062919	9.791	ug/mL	100
83) Chrysene	13.858	228	2753877	9.029	ug/mL	98
84) bis(2-Ethylhexyl)phthalat	14.205	149	2444399	9.945	ug/mL	96
86) Di-n-octylphthalate	15.750	149	4197758	9.883	ug/mL	100
87) Benzo[b]fluoranthene	16.189	252	2834960	9.630	ug/mL	98
88) Benzo[k]fluoranthene	16.246	252	2669657	9.560	ug/mL	98
89) Benzo[a]pyrene	16.819	252	2695348	9.706	ug/mL	98
90) Indeno[1,2,3-cd]pyrene	18.774	276	2309022	9.499	ug/mL	97
91) Dibenz[a,h]anthracene	18.832	278	2277899	9.489	ug/mL	95
92) Benzo[g,h,i]perylene	19.164	276	2421692	9.805	ug/mL	97

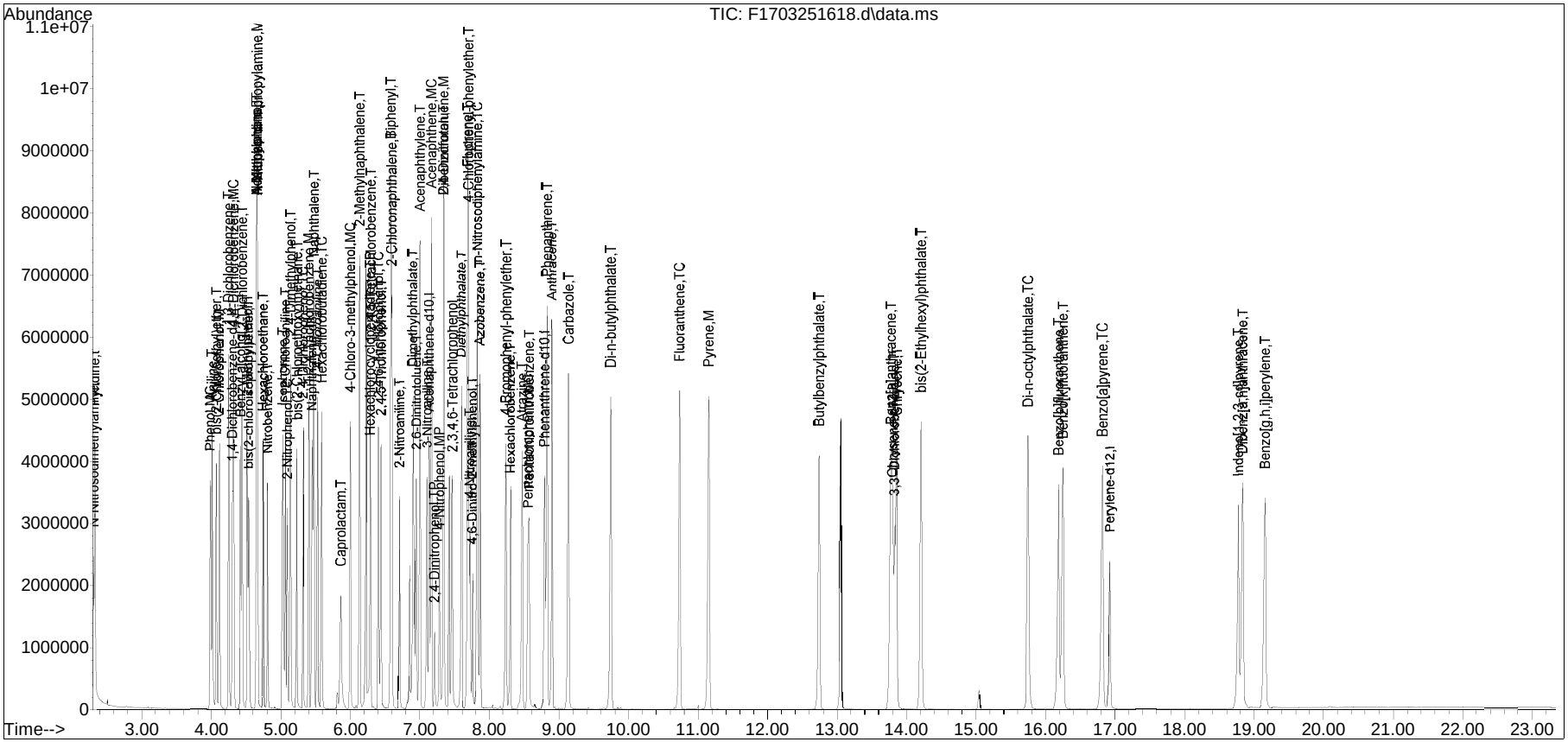
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251618.d
Acq On : 26 Mar 2016 1:18 am
Operator : PAH17:ML
Sample : CQ1703251601
Misc : WG877746,MSAI01
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 28 11:31:10 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Mar 28 11:33:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

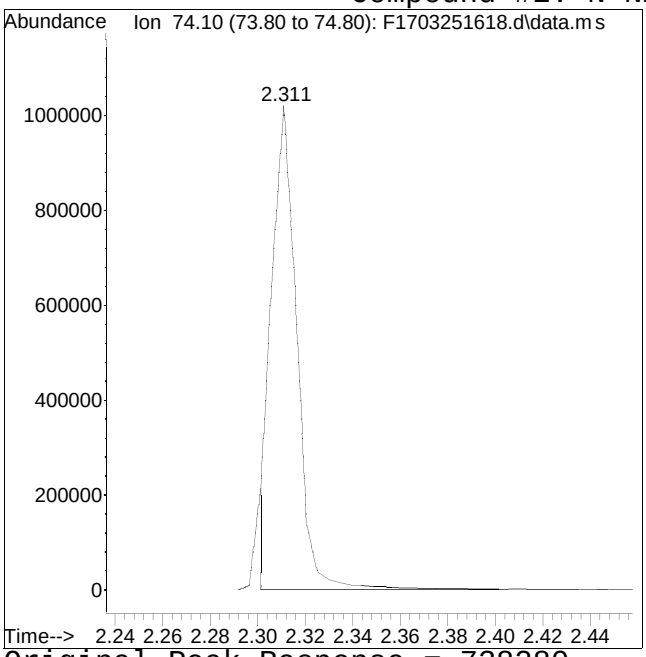


Manual Integration/Negative Proof Report

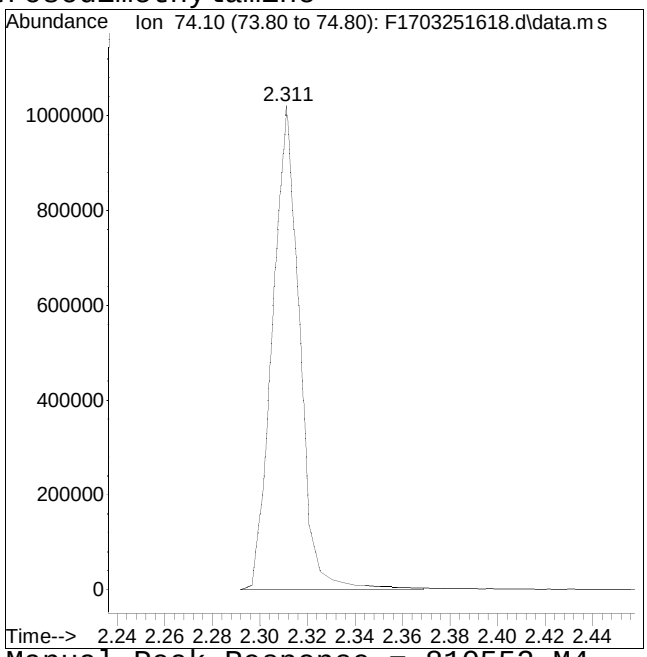
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251618.d
Date Inj'd : 3/26/2016 1:18 am
Sample : CQ1703251601

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/28/2016 11:33 am

Compound #2: N-Nitrosodimethylamine



Original Peak Response = 738280



Manual Peak Response = 810552 M4

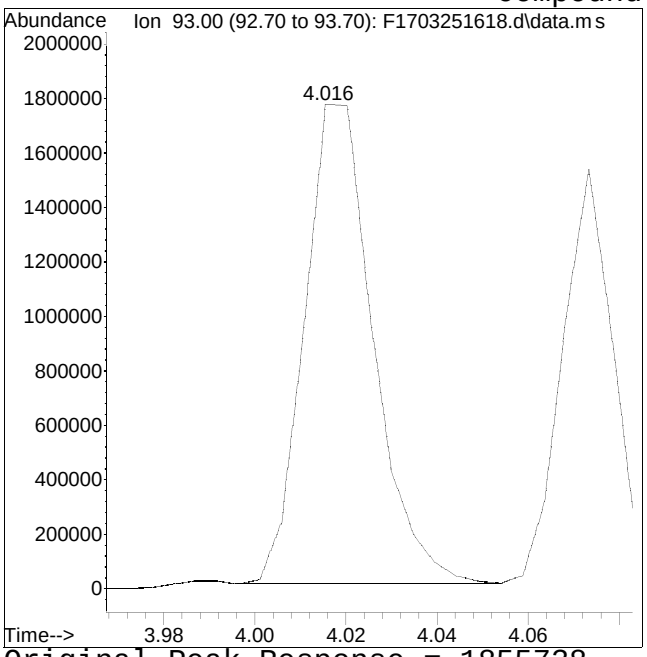
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

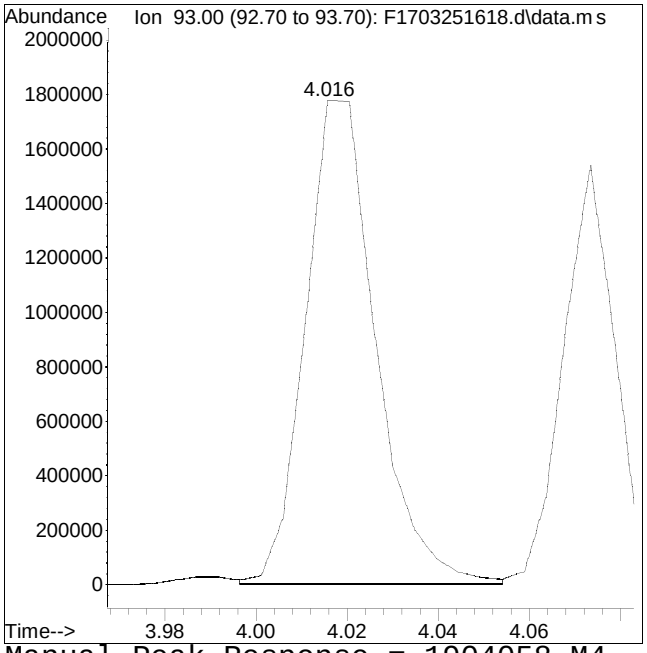
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251618.d
Date Inj'd : 3/26/2016 1:18 am
Sample : CQ1703251601

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/28/2016 11:33 am

Compound #6: Aniline



Original Peak Response = 1855738



Manual Peak Response = 1904058 M4

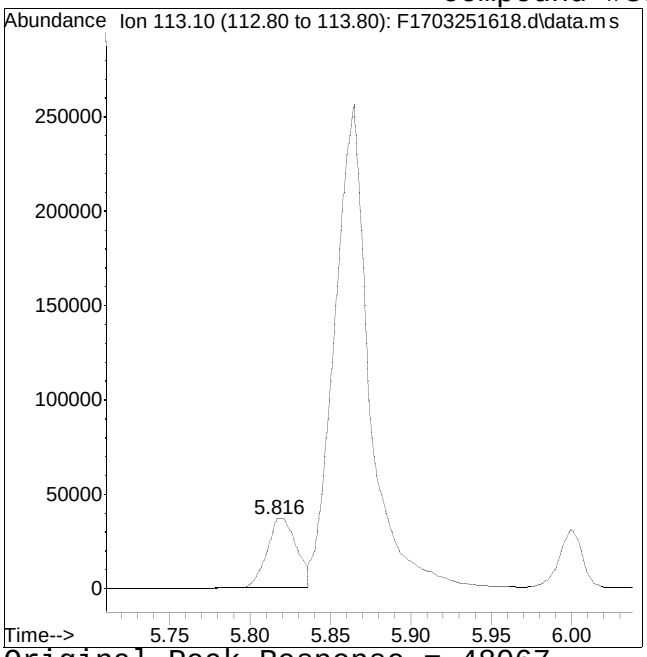
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

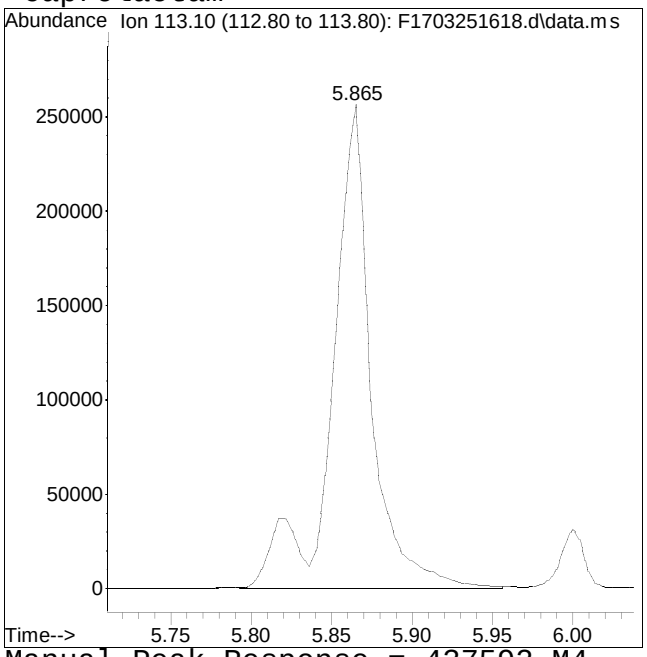
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251618.d
Date Inj'd : 3/26/2016 1:18 am
Sample : CQ1703251601

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/28/2016 11:33 am

Compound #35: Caprolactam



Original Peak Response = 48067



Manual Peak Response = 437592 M4

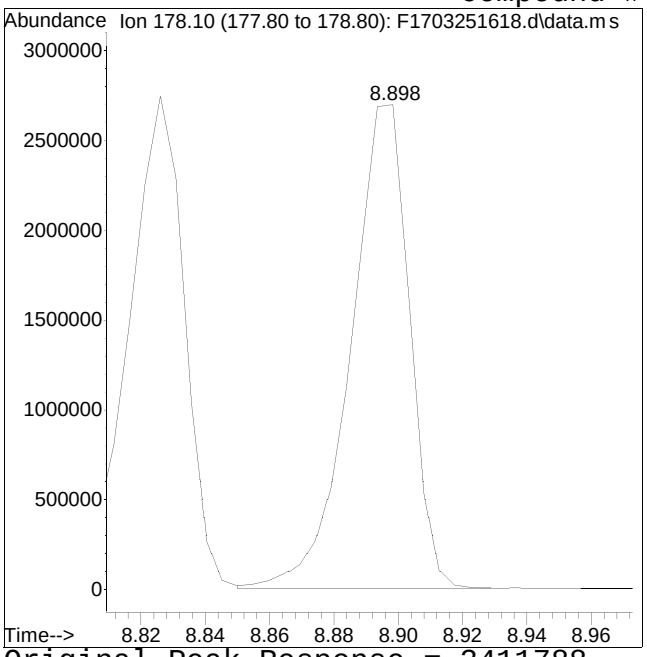
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

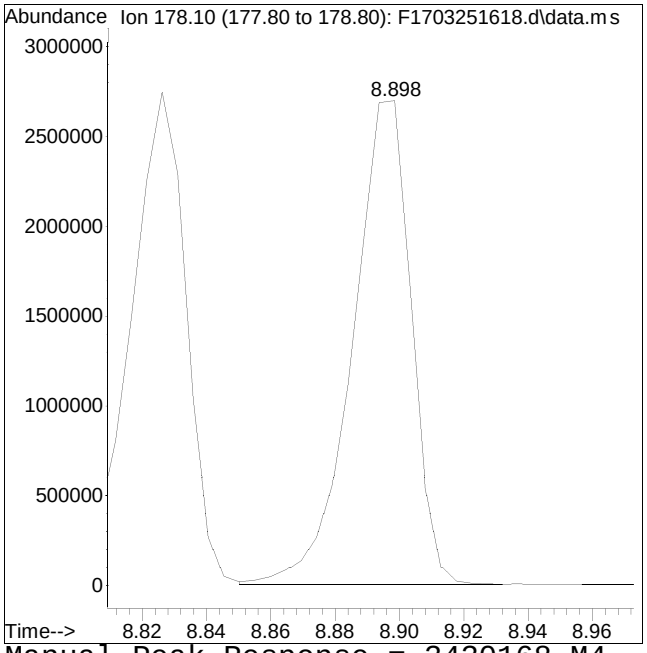
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251618.d
Date Inj'd : 3/26/2016 1:18 am
Sample : CQ1703251601

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/28/2016 11:33 am

Compound #72: Anthracene



Original Peak Response = 3411788



Manual Peak Response = 3430168 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251619.d
Acq On : 26 Mar 2016 1:47 am
Operator : PAH17:ML
Sample : CQ1703251602
Misc : WG877746,MSAH61
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 26 12:04:26 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:59 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	-0.01
2	T	N-Nitrosodimethylamine	0.781	0.000	100.0#	0#	-2.34#
3	t	Pyridine	1.434	0.000	100.0#	0#	-2.34#
4	S	2-Fluorophenol	1.248	0.000	100.0#	0#	-3.25#
5	T	Benzaldehyde	1.040	0.000	100.0#	0#	-3.93#
6	T	Aniline	1.921	0.000	100.0#	0#	-4.03#
7	T	bis(2-Chloroethyl)ether	0.889	0.000	100.0#	0#	-4.08#
8	S	Phenol-d5	1.562	0.000	100.0#	0#	-3.99#
9	MC	Phenol	1.659	0.000	100.0#	0#	-4.00#
10	M	2-Chlorophenol	1.366	0.000	100.0#	0#	-4.12#
11	T	1,3-Dichlorobenzene	1.360	0.000	100.0#	0#	-4.25#
12	MC	1,4-Dichlorobenzene	1.362	0.000	100.0#	0#	-4.32#
13	T	1,2-Dichlorobenzene	1.280	0.000	100.0#	0#	-4.45#
14	T	Benzyl alcohol	0.903	0.000	100.0#	0#	-4.42#
15	T	bis(2-chloroisopropyl)ether	1.721	0.000	100.0#	0#	-4.54#
16	T	2-Methylphenol	1.133	0.000	100.0#	0#	-4.52#
17	T	Acetophenone	1.748	0.000	100.0#	0#	-4.65#
18	T	Hexachloroethane	0.561	0.000	100.0#	0#	-4.75#
19	MP	N-Nitroso-di-n-propylamine	0.906	0.000	100.0#	0#	-4.67#
20	T	4-Methylphenol	1.209	0.000	100.0#	0#	-4.66#
21	I	Naphthalene-d8	1.000	1.000	0.0	97	0.00
22	S	Nitrobenzene-d5	0.300	0.000	100.0#	0#	-4.80#
23	T	Nitrobenzene	0.315	0.000	100.0#	0#	-4.82#
24	T	Isophorone	0.519	0.000	100.0#	0#	-5.04#
25	TC	2-Nitrophenol	0.158	0.000	100.0#	0#	-5.10#
26	T	2,4-Dimethylphenol	0.275	0.000	100.0#	0#	-5.14#
27	T	Benzoic acid	* 10.000	8.756	12.4	84	0.00
28	T	bis(2-Chloroethoxy)methane	0.365	0.000	100.0#	0#	-5.24#
29	TC	2,4-Dichlorophenol	0.243	0.000	100.0#	0#	-5.32#
30	M	1,2,4-Trichlorobenzene	0.255	0.000	100.0#	0#	-5.40#
31	T	Naphthalene	0.866	0.000	100.0#	0#	-5.47#
32	T	2-Chloroaniline	0.451	0.000	100.0#	0#	-5.07#
33	T	4-Chloroaniline	0.386	0.000	100.0#	0#	-5.53#
34	TC	Hexachlorobutadiene	0.121	0.000	100.0#	0#	-5.59#
35	T	Caprolactam	0.104	0.000	100.0#	0#	-5.84#
36	MC	4-Chloro-3-methylphenol	0.269	0.000	100.0#	0#	-6.00#
37	T	2-Methylnaphthalene	0.567	0.000	100.0#	0#	-6.13#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251619.d
Acq On : 26 Mar 2016 1:47 am
Operator : PAH17:ML
Sample : CQ1703251602
Misc : WG877746,MSAH61
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 26 12:04:26 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:59 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
38	I	Acenaphthene-d10		1.000	1.000	0.0	98	0.00
39	T	1,2,4,5-Tetrachlorobenzene		0.422	0.000	100.0#	0#	-6.30#
40	TP	Hexachlorocyclopentadiene	*	10.000	0.000	100.0#	0	-6.28#
41	TC	2,4,6-Trichlorophenol		0.331	0.000	100.0#	0#	-6.41#
42	T	2,4,5-Trichlorophenol		0.318	0.000	100.0#	0#	-6.44#
43	S	2-Fluorobiphenyl		1.154	0.000	100.0#	0#	-6.50#
44	T	Biphenyl		1.442	0.000	100.0#	0#	-6.59#
45	T	2-Chloronaphthalene		1.104	0.000	100.0#	0#	-6.60#
46	T	2-Nitroaniline		0.315	0.000	100.0#	0#	-6.71#
47	T	Acenaphthylene		1.782	0.000	100.0#	0#	-7.01#
48	T	Dimethylphthalate		1.222	0.000	100.0#	0#	-6.90#
49	T	2,6-Dinitrotoluene		0.267	0.000	100.0#	0#	-6.95#
50	MC	Acenaphthene		1.144	0.000	100.0#	0#	-7.17#
51	T	3-Nitroaniline		0.312	0.000	100.0#	0#	-7.11#
52	TP	2,4-Dinitrophenol	*	10.000	0.000	100.0#	0	-7.22#
53	T	Dibenzofuran		1.400	0.000	100.0#	0#	-7.34#
54		2,3,4,6-Tetrachlorophenol		0.197	0.000	100.0#	0#	-7.47#
55	M	2,4-Dinitrotoluene		0.321	0.000	100.0#	0#	-7.34#
56	MP	4-Nitrophenol		0.153	0.000	100.0#	0#	-7.29#
57	T	Fluorene		1.183	0.000	100.0#	0#	-7.69#
58	T	4-Chlorophenyl-phenylether		0.520	0.000	100.0#	0#	-7.70#
59	T	Diethylphthalate		1.263	0.000	100.0#	0#	-7.60#
60	T	4-Nitroaniline		0.335	0.000	100.0#	0#	-7.72#
61	I	Phenanthrene-d10		1.000	1.000	0.0	98	0.00
62	T	4,6-Dinitro-2-methylphenol	*	10.000	0.000	100.0#	0	-7.76#
63	T	Azobenzene		0.203	0.000	100.0#	0#	-7.87#
64	TC	n-Nitrosodiphenylamine		0.484	0.000	100.0#	0#	-7.83#
65	S	2,4,6-Tribromophenol		0.050	0.000	100.0#	0#	-7.95#
66	T	4-Bromophenyl-phenylether		0.150	0.000	100.0#	0#	-8.24#
67	T	Hexachlorobenzene		0.144	0.000	100.0#	0#	-8.30#
68	T	Atrazine		0.184	0.000	100.0#	0#	-8.46#
69	MC	Pentachlorophenol	*	10.000	0.000	100.0#	0	-8.55#
70	T	Pentachloronitrobenzene		0.056	0.000	100.0#	0#	-8.57#
71	T	Phenanthrene		0.978	0.000	100.0#	0#	-8.83#
72	T	Anthracene		1.002	0.000	100.0#	0#	-8.90#
73	T	Carbazole		0.944	0.000	100.0#	0#	-9.14#
74	T	Di-n-butylphthalate		1.124	0.000	100.0#	0#	-9.75#
75	TC	Fluoranthene		1.001	0.000	100.0#	0#	-10.75#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251619.d
Acq On : 26 Mar 2016 1:47 am
Operator : PAH17:ML
Sample : CQ1703251602
Misc : WG877746,MSAH61
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 26 12:04:26 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:59 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
76	I	Chrysene-d12	1.000	1.000	0.0	100	-0.01
77	T	Benzidine	0.832	0.000	100.0#	0#	-11.07#
78	M	Pyrene	1.244	0.000	100.0#	0#	-11.16#
79	S	Terphenyl-d14	0.683	0.000	100.0#	0#	-11.57#
80	T	Butylbenzylphthalate	0.618	0.000	100.0#	0#	-12.74#
81	T	3,3'-Dichlorobenzidine	0.357	0.000	100.0#	0#	-13.82#
82	T	Benz[a]anthracene	1.044	0.000	100.0#	0#	-13.78#
83	T	Chrysene	1.018	0.000	100.0#	0#	-13.86#
84	T	bis(2-Ethylhexyl)phthalate	0.821	0.000	100.0#	0#	-14.21#
85	I	Perylene-d12	1.000	1.000	0.0	97	-0.01
86	TC	Di-n-octylphthalate	1.523	0.000	100.0#	0#	-15.75#
87	T	Benzo[b]fluoranthene	1.056	0.000	100.0#	0#	-16.19#
88	T	Benzo[k]fluoranthene	1.002	0.000	100.0#	0#	-16.26#
89	TC	Benzo[a]pyrene	0.996	0.000	100.0#	0#	-16.83#
90	T	Indeno[1,2,3-cd]pyrene	0.872	0.000	100.0#	0#	-18.78#
91	T	Dibenz[a,h]anthracene	0.861	0.000	100.0#	0#	-18.84#
92	T	Benzo[g,h,i]perylene	0.886	0.000	100.0#	0#	-19.17#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 13

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251619.d
Acq On : 26 Mar 2016 1:47 am
Operator : PAH17:ML
Sample : CQ1703251602
Misc : WG877746,MSAH61
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 26 12:04:26 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.295	152	480114	5.000	ug/mL	-0.01
21) Naphthalene-d8	5.451	136	1936553	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.136	164	944350	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.788	188	1730495	5.000	ug/mL	0.00
76) Chrysene-d12	13.786	240	1467584	5.000	ug/mL	-0.01
85) Perylene-d12	16.921	264	1321715	5.000	ug/mL	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		

Target Compounds			Qvalue
2) N-Nitrosodimethylamine	0.000	0	N.D.
3) Pyridine	0.000	0	N.D. d
5) Benzaldehyde	0.000	0	N.D.
6) Aniline	0.000	0	N.D. d
7) bis(2-Chloroethyl)ether	0.000	0	N.D.
9) Phenol	0.000	0	N.D.
10) 2-Chlorophenol	0.000	0	N.D.
11) 1,3-Dichlorobenzene	0.000	0	N.D.
12) 1,4-Dichlorobenzene	0.000	0	N.D.
13) 1,2-Dichlorobenzene	0.000	0	N.D.
14) Benzyl alcohol	0.000	0	N.D.
15) bis(2-chloroisopropyl)eth	0.000	0	N.D.
16) 2-Methylphenol	0.000	0	N.D.
17) Acetophenone	0.000	0	N.D. d
18) Hexachloroethane	0.000	0	N.D.
19) N-Nitroso-di-n-propylamin	0.000	0	N.D.
20) 4-Methylphenol	0.000	0	N.D.
23) Nitrobenzene	0.000	0	N.D.

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251619.d
Acq On : 26 Mar 2016 1:47 am
Operator : PAH17:ML
Sample : CQ1703251602
Misc : WG877746,MSAH61
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 26 12:04:26 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	5.244	105	553494M4	8.756	ug/mL	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		d
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		d
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	0.000		0	N.D.		d
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.		
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D.		d
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.		d
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251619.d
Acq On : 26 Mar 2016 1:47 am
Operator : PAH17:ML
Sample : CQ1703251602
Misc : WG877746,MSAH61
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 26 12:04:26 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.		d
72) Anthracene	0.000		0	N.D.		d
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.		d
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	0.000		0	N.D.		d
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	0.000		0	N.D.		d
83) Chrysene	0.000		0	N.D.		d
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D.		d
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

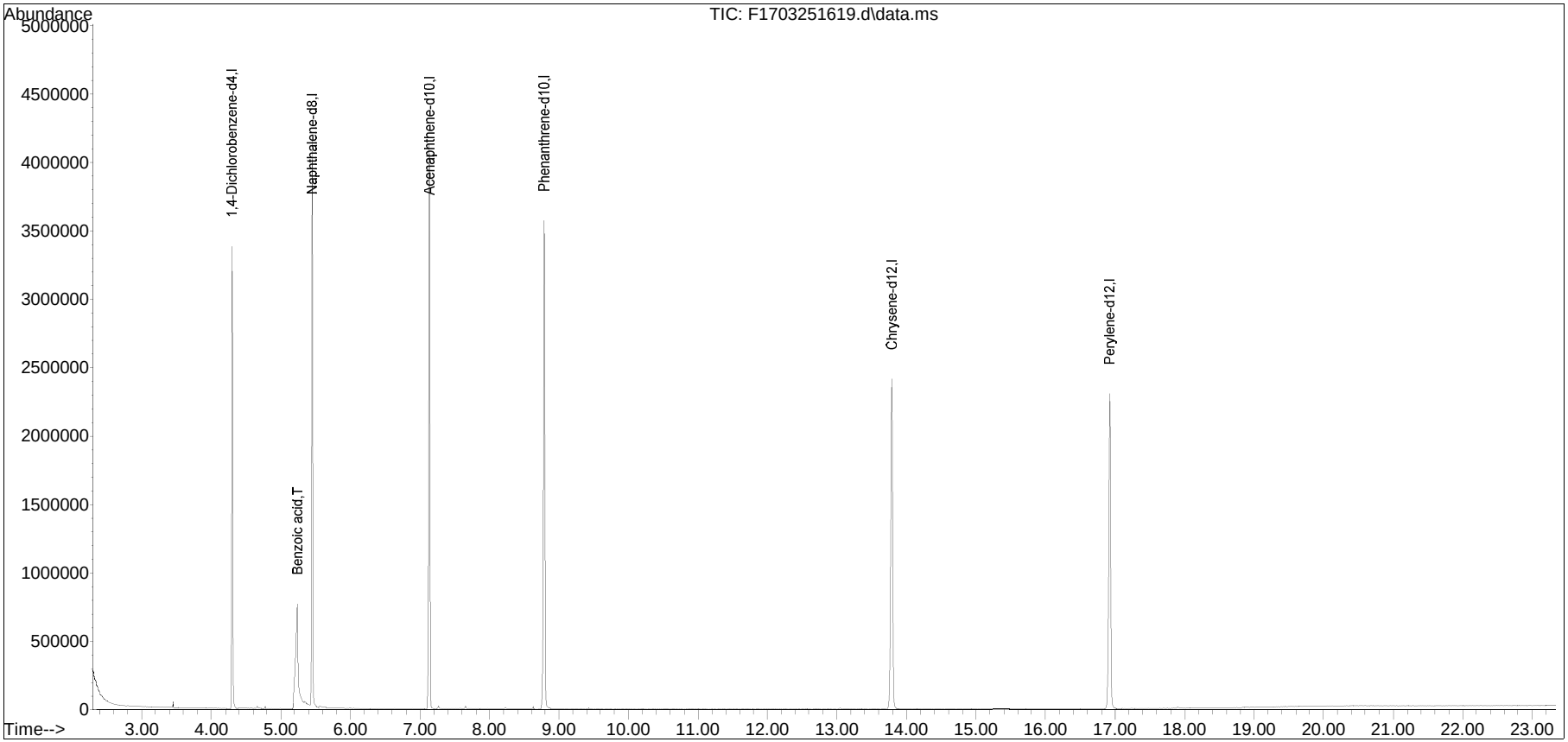
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251619.d
Acq On : 26 Mar 2016 1:47 am
Operator : PAH17:ML
Sample : CQ1703251602
Misc : WG877746,MSAH61
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 26 12:04:26 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

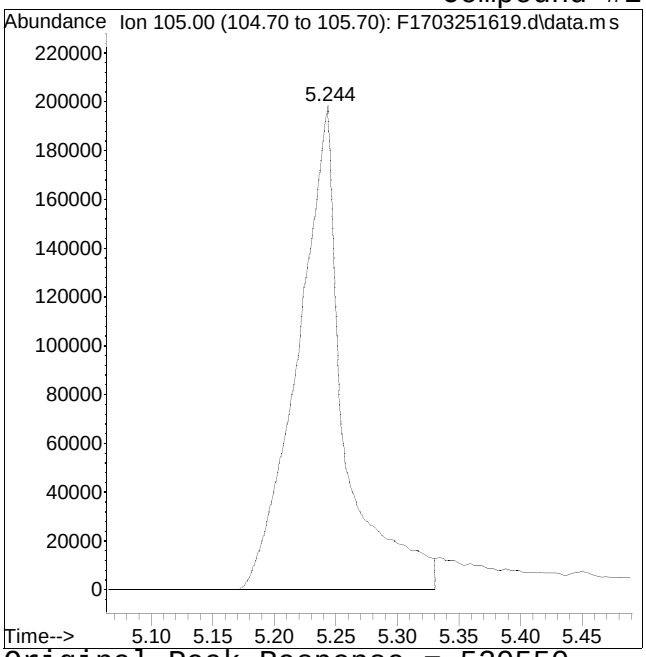


Manual Integration/Negative Proof Report

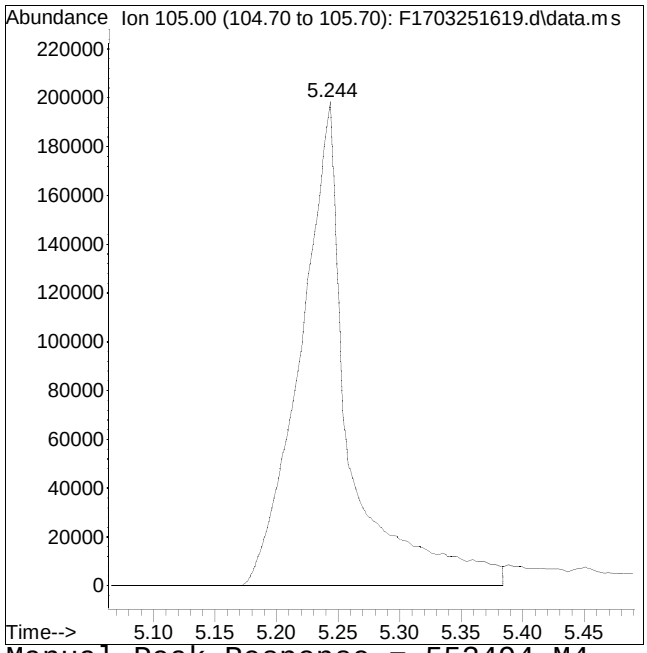
Data Path : O:\Organics\DATA\PAH17\2016Q
Data File : F1703251619.d
Date Inj'd : 3/26/2016 1:47 am
Sample : CQ1703251602

Method : SV0325PAH17.M
Operator : PAH17:ML
Instrument : PAH17
Quant Date : 3/26/2016 11:59 am

Compound #27: Benzoic acid



Original Peak Response = 520550



Manual Peak Response = 553494 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251620.d
Acq On : 26 Mar 2016 2:16 am
Operator : PAH17:ML
Sample : CQ1703251603
Misc : WG877746,MSAI42
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 26 12:05:08 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:59 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
2	T	N-Nitrosodimethylamine	0.781	0.000	100.0#	0#	-2.34#
3	t	Pyridine	1.434	0.000	100.0#	0#	-2.34#
4	S	2-Fluorophenol	1.248	0.000	100.0#	0#	-3.25#
5	T	Benzaldehyde	1.040	0.000	100.0#	0#	-3.93#
6	T	Aniline	1.921	0.000	100.0#	0#	-4.03#
7	T	bis(2-Chloroethyl)ether	0.889	0.000	100.0#	0#	-4.08#
8	S	Phenol-d5	1.562	0.000	100.0#	0#	-3.99#
9	MC	Phenol	1.659	0.000	100.0#	0#	-4.00#
10	M	2-Chlorophenol	1.366	0.000	100.0#	0#	-4.12#
11	T	1,3-Dichlorobenzene	1.360	0.000	100.0#	0#	-4.25#
12	MC	1,4-Dichlorobenzene	1.362	0.000	100.0#	0#	-4.32#
13	T	1,2-Dichlorobenzene	1.280	0.000	100.0#	0#	-4.45#
14	T	Benzyl alcohol	0.903	0.000	100.0#	0#	-4.42#
15	T	bis(2-chloroisopropyl)ether	1.721	0.000	100.0#	0#	-4.54#
16	T	2-Methylphenol	1.133	0.000	100.0#	0#	-4.52#
17	T	Acetophenone	1.748	0.000	100.0#	0#	-4.65#
18	T	Hexachloroethane	0.561	0.000	100.0#	0#	-4.75#
19	MP	N-Nitroso-di-n-propylamine	0.906	0.000	100.0#	0#	-4.67#
20	T	4-Methylphenol	1.209	0.000	100.0#	0#	-4.66#
21	I	Naphthalene-d8	1.000	1.000	0.0	101	0.00
22	S	Nitrobenzene-d5	0.300	0.000	100.0#	0#	-4.80#
23	T	Nitrobenzene	0.315	0.000	100.0#	0#	-4.82#
24	T	Isophorone	0.519	0.000	100.0#	0#	-5.04#
25	TC	2-Nitrophenol	0.158	0.000	100.0#	0#	-5.10#
26	T	2,4-Dimethylphenol	0.275	0.000	100.0#	0#	-5.14#
27	T	Benzoic acid	* 10.000	0.000	100.0#	0	-5.25#
28	T	bis(2-Chloroethoxy)methane	0.365	0.000	100.0#	0#	-5.24#
29	TC	2,4-Dichlorophenol	0.243	0.000	100.0#	0#	-5.32#
30	M	1,2,4-Trichlorobenzene	0.255	0.000	100.0#	0#	-5.40#
31	T	Naphthalene	0.866	0.000	100.0#	0#	-5.47#
32	T	2-Chloroaniline	0.451	0.000	100.0#	0#	-5.07#
33	T	4-Chloroaniline	0.386	0.000	100.0#	0#	-5.53#
34	TC	Hexachlorobutadiene	0.121	0.000	100.0#	0#	-5.59#
35	T	Caprolactam	0.104	0.000	100.0#	0#	-5.84#
36	MC	4-Chloro-3-methylphenol	0.269	0.000	100.0#	0#	-6.00#
37	T	2-Methylnaphthalene	0.567	0.000	100.0#	0#	-6.13#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251620.d
Acq On : 26 Mar 2016 2:16 am
Operator : PAH17:ML
Sample : CQ1703251603
Misc : WG877746,MSAI42
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 26 12:05:08 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:59 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
38	I	Acenaphthene-d10		1.000	1.000	0.0	100	0.00
39	T	1,2,4,5-Tetrachlorobenzene		0.422	0.000	100.0#	0#	-6.30#
40	TP	Hexachlorocyclopentadiene	*	10.000	0.000	100.0#	0	-6.28#
41	TC	2,4,6-Trichlorophenol		0.331	0.000	100.0#	0#	-6.41#
42	T	2,4,5-Trichlorophenol		0.318	0.000	100.0#	0#	-6.44#
43	S	2-Fluorobiphenyl		1.154	0.000	100.0#	0#	-6.50#
44	T	Biphenyl		1.442	0.000	100.0#	0#	-6.59#
45	T	2-Chloronaphthalene		1.104	0.000	100.0#	0#	-6.60#
46	T	2-Nitroaniline		0.315	0.000	100.0#	0#	-6.71#
47	T	Acenaphthylene		1.782	0.000	100.0#	0#	-7.01#
48	T	Dimethylphthalate		1.222	0.000	100.0#	0#	-6.90#
49	T	2,6-Dinitrotoluene		0.267	0.000	100.0#	0#	-6.95#
50	MC	Acenaphthene		1.144	0.000	100.0#	0#	-7.17#
51	T	3-Nitroaniline		0.312	0.000	100.0#	0#	-7.11#
52	TP	2,4-Dinitrophenol	*	10.000	0.000	100.0#	0	-7.22#
53	T	Dibenzofuran		1.400	0.000	100.0#	0#	-7.34#
54		2,3,4,6-Tetrachlorophenol		0.197	0.000	100.0#	0#	-7.47#
55	M	2,4-Dinitrotoluene		0.321	0.000	100.0#	0#	-7.34#
56	MP	4-Nitrophenol		0.153	0.000	100.0#	0#	-7.29#
57	T	Fluorene		1.183	0.000	100.0#	0#	-7.69#
58	T	4-Chlorophenyl-phenylether		0.520	0.000	100.0#	0#	-7.70#
59	T	Diethylphthalate		1.263	0.000	100.0#	0#	-7.60#
60	T	4-Nitroaniline		0.335	0.000	100.0#	0#	-7.72#
61	I	Phenanthrene-d10		1.000	1.000	0.0	101	0.00
62	T	4,6-Dinitro-2-methylphenol	*	10.000	0.000	100.0#	0	-7.76#
63	T	Azobenzene		0.203	0.000	100.0#	0#	-7.87#
64	TC	n-Nitrosodiphenylamine		0.484	0.000	100.0#	0#	-7.83#
65	S	2,4,6-Tribromophenol		0.050	0.000	100.0#	0#	-7.95#
66	T	4-Bromophenyl-phenylether		0.150	0.000	100.0#	0#	-8.24#
67	T	Hexachlorobenzene		0.144	0.000	100.0#	0#	-8.30#
68	T	Atrazine		0.184	0.000	100.0#	0#	-8.46#
69	MC	Pentachlorophenol	*	10.000	0.000	100.0#	0	-8.55#
70	T	Pentachloronitrobenzene		0.056	0.000	100.0#	0#	-8.57#
71	T	Phenanthrene		0.978	0.000	100.0#	0#	-8.83#
72	T	Anthracene		1.002	0.000	100.0#	0#	-8.90#
73	T	Carbazole		0.944	0.000	100.0#	0#	-9.14#
74	T	Di-n-butylphthalate		1.124	0.000	100.0#	0#	-9.75#
75	TC	Fluoranthene		1.001	0.000	100.0#	0#	-10.75#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251620.d
Acq On : 26 Mar 2016 2:16 am
Operator : PAH17:ML
Sample : CQ1703251603
Misc : WG877746,MSAI42
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 26 12:05:08 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:59 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
76	I	Chrysene-d12	1.000	1.000	0.0	104	-0.01
77	T	Benzidine	0.832	0.861	-3.5	94	0.00
78	M	Pyrene	1.244	0.000	100.0#	0#	-11.16#
79	S	Terphenyl-d14	0.683	0.000	100.0#	0#	-11.57#
80	T	Butylbenzylphthalate	0.618	0.000	100.0#	0#	-12.74#
81	T	3,3'-Dichlorobenzidine	0.357	0.000	100.0#	0#	-13.82#
82	T	Benz[a]anthracene	1.044	0.000	100.0#	0#	-13.78#
83	T	Chrysene	1.018	0.000	100.0#	0#	-13.86#
84	T	bis(2-Ethylhexyl)phthalate	0.821	0.000	100.0#	0#	-14.21#
85	I	Perylene-d12	1.000	1.000	0.0	101	0.00
86	TC	Di-n-octylphthalate	1.523	0.000	100.0#	0#	-15.75#
87	T	Benzo[b]fluoranthene	1.056	0.000	100.0#	0#	-16.19#
88	T	Benzo[k]fluoranthene	1.002	0.000	100.0#	0#	-16.26#
89	TC	Benzo[a]pyrene	0.996	0.000	100.0#	0#	-16.83#
90	T	Indeno[1,2,3-cd]pyrene	0.872	0.000	100.0#	0#	-18.78#
91	T	Dibenz[a,h]anthracene	0.861	0.000	100.0#	0#	-18.84#
92	T	Benzo[g,h,i]perylene	0.886	0.000	100.0#	0#	-19.17#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 13

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251620.d
Acq On : 26 Mar 2016 2:16 am
Operator : PAH17:ML
Sample : CQ1703251603
Misc : WG877746,MSAI42
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 26 12:05:08 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.300	152	488116	5.000	ug/mL	0.00
21) Naphthalene-d8	5.450	136	2011594	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.141	164	963661	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.787	188	1778727	5.000	ug/mL	0.00
76) Chrysene-d12	13.786	240	1519141	5.000	ug/mL	-0.01
85) Perylene-d12	16.925	264	1368654	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		

Target Compounds			Qvalue
2) N-Nitrosodimethylamine	0.000	0	N.D.
3) Pyridine	0.000	0	N.D. d
5) Benzaldehyde	0.000	0	N.D.
6) Aniline	0.000	0	N.D. d
7) bis(2-Chloroethyl)ether	0.000	0	N.D.
9) Phenol	0.000	0	N.D.
10) 2-Chlorophenol	0.000	0	N.D.
11) 1,3-Dichlorobenzene	0.000	0	N.D.
12) 1,4-Dichlorobenzene	0.000	0	N.D.
13) 1,2-Dichlorobenzene	0.000	0	N.D.
14) Benzyl alcohol	0.000	0	N.D.
15) bis(2-chloroisopropyl)eth	0.000	0	N.D.
16) 2-Methylphenol	0.000	0	N.D.
17) Acetophenone	0.000	0	N.D. d
18) Hexachloroethane	0.000	0	N.D.
19) N-Nitroso-di-n-propylamin	0.000	0	N.D.
20) 4-Methylphenol	0.000	0	N.D.
23) Nitrobenzene	0.000	0	N.D. d

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251620.d
Acq On : 26 Mar 2016 2:16 am
Operator : PAH17:ML
Sample : CQ1703251603
Misc : WG877746,MSAI42
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 26 12:05:08 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	0.000		0	N.D.		
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.		
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D.	d	
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.	d	
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251620.d
Acq On : 26 Mar 2016 2:16 am
Operator : PAH17:ML
Sample : CQ1703251603
Misc : WG877746,MSAI42
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 26 12:05:08 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.	d	
72) Anthracene	0.000		0	N.D.	d	
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.	d	
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.065	184	2614877	10.340	ug/mL	99
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	0.000		0	N.D.	d	
83) Chrysene	0.000		0	N.D.	d	
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D.	d	
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

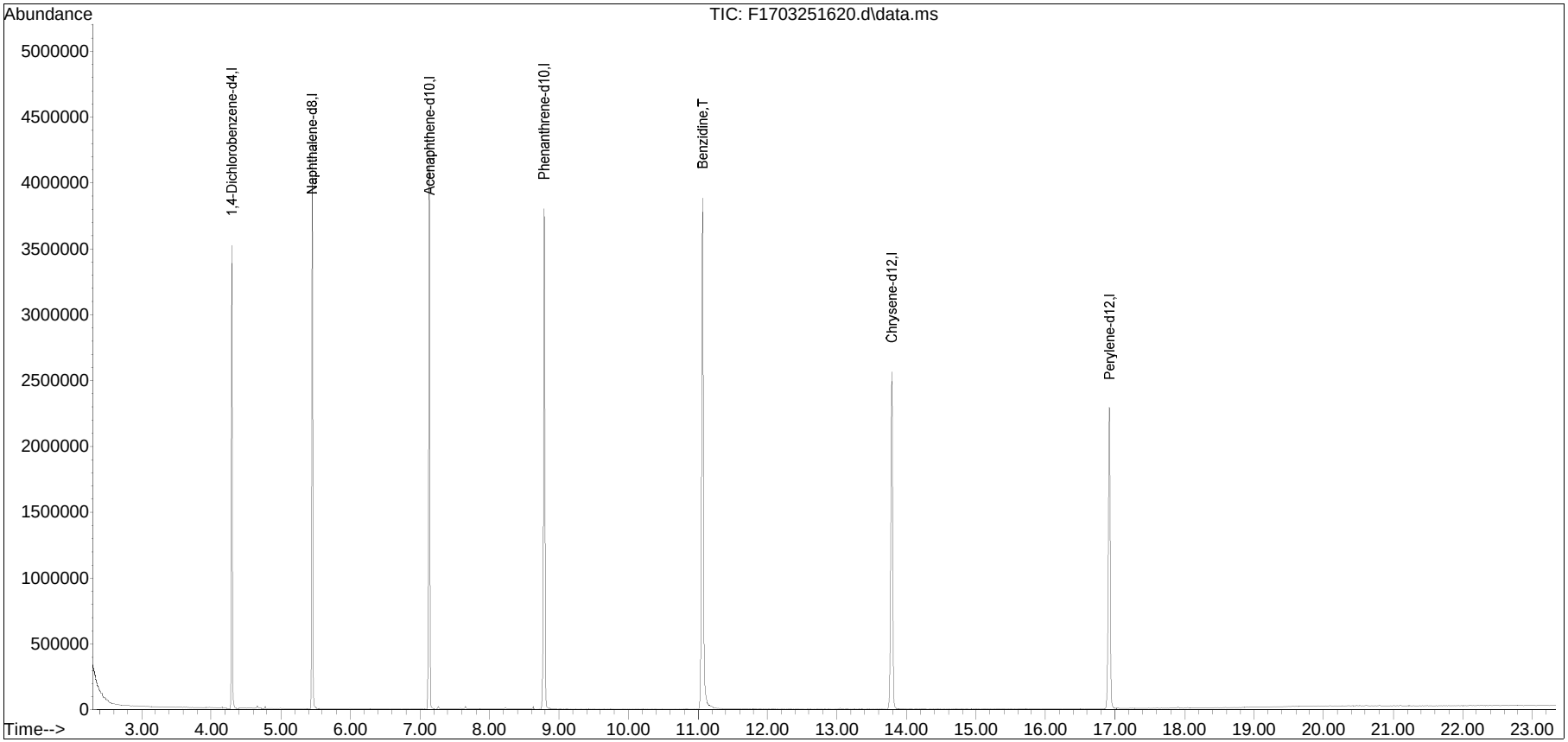
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251620.d
Acq On : 26 Mar 2016 2:16 am
Operator : PAH17:ML
Sample : CQ1703251603
Misc : WG877746,MSAI42
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 26 12:05:08 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH17\2016Q	Method	: SV0325PAH17.M
Data File	: F1703251620.d	Operator	: PAH17:ML
Date Inj'd	: 3/26/2016 2:16 am	Instrument	: PAH17
Sample	: CQ1703251603	Quant Date	: 3/26/2016 11:59 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251621.d
Acq On : 26 Mar 2016 2:45 am
Operator : PAH17:ML
Sample : CQ1703251604
Misc : WG877746,MSAI41
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 26 12:05:53 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:59 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	-0.01
2	T	N-Nitrosodimethylamine	0.781	0.000	100.0#	0#	-2.34#
3	t	Pyridine	1.434	0.000	100.0#	0#	-2.34#
4	S	2-Fluorophenol	1.248	0.000	100.0#	0#	-3.25#
5	T	Benzaldehyde	1.040	1.122	-7.9	101	0.00
6	T	Aniline	1.921	0.000	100.0#	0#	-4.03#
7	T	bis(2-Chloroethyl)ether	0.889	0.000	100.0#	0#	-4.08#
8	S	Phenol-d5	1.562	0.000	100.0#	0#	-3.99#
9	MC	Phenol	1.659	0.000	100.0#	0#	-4.00#
10	M	2-Chlorophenol	1.366	0.000	100.0#	0#	-4.12#
11	T	1,3-Dichlorobenzene	1.360	0.000	100.0#	0#	-4.25#
12	MC	1,4-Dichlorobenzene	1.362	0.000	100.0#	0#	-4.32#
13	T	1,2-Dichlorobenzene	1.280	0.000	100.0#	0#	-4.45#
14	T	Benzyl alcohol	0.903	0.000	100.0#	0#	-4.42#
15	T	bis(2-chloroisopropyl)ether	1.721	0.000	100.0#	0#	-4.54#
16	T	2-Methylphenol	1.133	0.000	100.0#	0#	-4.52#
17	T	Acetophenone	1.748	0.000	100.0#	0#	-4.65#
18	T	Hexachloroethane	0.561	0.000	100.0#	0#	-4.75#
19	MP	N-Nitroso-di-n-propylamine	0.906	0.000	100.0#	0#	-4.67#
20	T	4-Methylphenol	1.209	0.000	100.0#	0#	-4.66#
21	I	Naphthalene-d8	1.000	1.000	0.0	93	0.00
22	S	Nitrobenzene-d5	0.300	0.000	100.0#	0#	-4.80#
23	T	Nitrobenzene	0.315	0.000	100.0#	0#	-4.82#
24	T	Isophorone	0.519	0.000	100.0#	0#	-5.04#
25	TC	2-Nitrophenol	0.158	0.000	100.0#	0#	-5.10#
26	T	2,4-Dimethylphenol	0.275	0.000	100.0#	0#	-5.14#
27	T	Benzoic acid	* 10.000	0.000	100.0#	0	-5.25#
28	T	bis(2-Chloroethoxy)methane	0.365	0.000	100.0#	0#	-5.24#
29	TC	2,4-Dichlorophenol	0.243	0.000	100.0#	0#	-5.32#
30	M	1,2,4-Trichlorobenzene	0.255	0.000	100.0#	0#	-5.40#
31	T	Naphthalene	0.866	0.000	100.0#	0#	-5.47#
32	T	2-Chloroaniline	0.451	0.000	100.0#	0#	-5.07#
33	T	4-Chloroaniline	0.386	0.000	100.0#	0#	-5.53#
34	TC	Hexachlorobutadiene	0.121	0.000	100.0#	0#	-5.59#
35	T	Caprolactam	0.104	0.000	100.0#	0#	-5.84#
36	MC	4-Chloro-3-methylphenol	0.269	0.000	100.0#	0#	-6.00#
37	T	2-Methylnaphthalene	0.567	0.000	100.0#	0#	-6.13#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251621.d
Acq On : 26 Mar 2016 2:45 am
Operator : PAH17:ML
Sample : CQ1703251604
Misc : WG877746,MSAI41
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 26 12:05:53 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:59 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
38	I	Acenaphthene-d10		1.000	1.000	0.0	92	0.00
39	T	1,2,4,5-Tetrachlorobenzene		0.422	0.000	100.0#	0#	-6.30#
40	TP	Hexachlorocyclopentadiene	*	10.000	0.000	100.0#	0	-6.28#
41	TC	2,4,6-Trichlorophenol		0.331	0.000	100.0#	0#	-6.41#
42	T	2,4,5-Trichlorophenol		0.318	0.000	100.0#	0#	-6.44#
43	S	2-Fluorobiphenyl		1.154	0.000	100.0#	0#	-6.50#
44	T	Biphenyl		1.442	0.000	100.0#	0#	-6.59#
45	T	2-Chloronaphthalene		1.104	0.000	100.0#	0#	-6.60#
46	T	2-Nitroaniline		0.315	0.000	100.0#	0#	-6.71#
47	T	Acenaphthylene		1.782	0.000	100.0#	0#	-7.01#
48	T	Dimethylphthalate		1.222	0.000	100.0#	0#	-6.90#
49	T	2,6-Dinitrotoluene		0.267	0.000	100.0#	0#	-6.95#
50	MC	Acenaphthene		1.144	0.000	100.0#	0#	-7.17#
51	T	3-Nitroaniline		0.312	0.000	100.0#	0#	-7.11#
52	TP	2,4-Dinitrophenol	*	10.000	0.000	100.0#	0	-7.22#
53	T	Dibenzofuran		1.400	0.000	100.0#	0#	-7.34#
54		2,3,4,6-Tetrachlorophenol		0.197	0.000	100.0#	0#	-7.47#
55	M	2,4-Dinitrotoluene		0.321	0.000	100.0#	0#	-7.34#
56	MP	4-Nitrophenol		0.153	0.000	100.0#	0#	-7.29#
57	T	Fluorene		1.183	0.000	100.0#	0#	-7.69#
58	T	4-Chlorophenyl-phenylether		0.520	0.000	100.0#	0#	-7.70#
59	T	Diethylphthalate		1.263	0.000	100.0#	0#	-7.60#
60	T	4-Nitroaniline		0.335	0.000	100.0#	0#	-7.72#
61	I	Phenanthrene-d10		1.000	1.000	0.0	92	0.00
62	T	4,6-Dinitro-2-methylphenol	*	10.000	0.000	100.0#	0	-7.76#
63	T	Azobenzene		0.203	0.000	100.0#	0#	-7.87#
64	TC	n-Nitrosodiphenylamine		0.484	0.000	100.0#	0#	-7.83#
65	S	2,4,6-Tribromophenol		0.050	0.000	100.0#	0#	-7.95#
66	T	4-Bromophenyl-phenylether		0.150	0.000	100.0#	0#	-8.24#
67	T	Hexachlorobenzene		0.144	0.000	100.0#	0#	-8.30#
68	T	Atrazine		0.184	0.000	100.0#	0#	-8.46#
69	MC	Pentachlorophenol	*	10.000	0.000	100.0#	0	-8.55#
70	T	Pentachloronitrobenzene		0.056	0.000	100.0#	0#	-8.57#
71	T	Phenanthrene		0.978	0.000	100.0#	0#	-8.83#
72	T	Anthracene		1.002	0.000	100.0#	0#	-8.90#
73	T	Carbazole		0.944	0.000	100.0#	0#	-9.14#
74	T	Di-n-butylphthalate		1.124	0.000	100.0#	0#	-9.75#
75	TC	Fluoranthene		1.001	0.000	100.0#	0#	-10.75#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251621.d
Acq On : 26 Mar 2016 2:45 am
Operator : PAH17:ML
Sample : CQ1703251604
Misc : WG877746,MSAI41
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 26 12:05:53 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:59 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
76	I	Chrysene-d12	1.000	1.000	0.0	96	-0.01
77	T	Benzidine	0.832	0.000	100.0#	0#	-11.07#
78	M	Pyrene	1.244	0.000	100.0#	0#	-11.16#
79	S	Terphenyl-d14	0.683	0.000	100.0#	0#	-11.57#
80	T	Butylbenzylphthalate	0.618	0.000	100.0#	0#	-12.74#
81	T	3,3'-Dichlorobenzidine	0.357	0.000	100.0#	0#	-13.82#
82	T	Benz[a]anthracene	1.044	0.000	100.0#	0#	-13.78#
83	T	Chrysene	1.018	0.000	100.0#	0#	-13.86#
84	T	bis(2-Ethylhexyl)phthalate	0.821	0.000	100.0#	0#	-14.21#
85	I	Perylene-d12	1.000	1.000	0.0	92	-0.01
86	TC	Di-n-octylphthalate	1.523	0.000	100.0#	0#	-15.75#
87	T	Benzo[b]fluoranthene	1.056	0.000	100.0#	0#	-16.19#
88	T	Benzo[k]fluoranthene	1.002	0.000	100.0#	0#	-16.26#
89	TC	Benzo[a]pyrene	0.996	0.000	100.0#	0#	-16.83#
90	T	Indeno[1,2,3-cd]pyrene	0.872	0.000	100.0#	0#	-18.78#
91	T	Dibenz[a,h]anthracene	0.861	0.000	100.0#	0#	-18.84#
92	T	Benzo[g,h,i]perylene	0.886	0.000	100.0#	0#	-19.17#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 13

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251621.d
Acq On : 26 Mar 2016 2:45 am
Operator : PAH17:ML
Sample : CQ1703251604
Misc : WG877746,MSAI41
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 26 12:05:53 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.295	152	455671	5.000	ug/mL	-0.01
21) Naphthalene-d8	5.450	136	1864632	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.136	164	891156	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.787	188	1622942	5.000	ug/mL	0.00
76) Chrysene-d12	13.786	240	1405029	5.000	ug/mL	-0.01
85) Perylene-d12	16.921	264	1257388	5.000	ug/mL	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.	d	
5) Benzaldehyde	3.934	77	1022360	10.787	ug/ml	97
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251621.d
Acq On : 26 Mar 2016 2:45 am
Operator : PAH17:ML
Sample : CQ1703251604
Misc : WG877746,MSAI41
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 26 12:05:53 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	0.000		0	N.D.		
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.		
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251621.d
Acq On : 26 Mar 2016 2:45 am
Operator : PAH17:ML
Sample : CQ1703251604
Misc : WG877746,MSAI41
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 26 12:05:53 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.	d	
72) Anthracene	0.000		0	N.D.	d	
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.	d	
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	0.000		0	N.D.	d	
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.	d	
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	0.000		0	N.D.	d	
83) Chrysene	0.000		0	N.D.	d	
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.	d	
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D.	d	
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

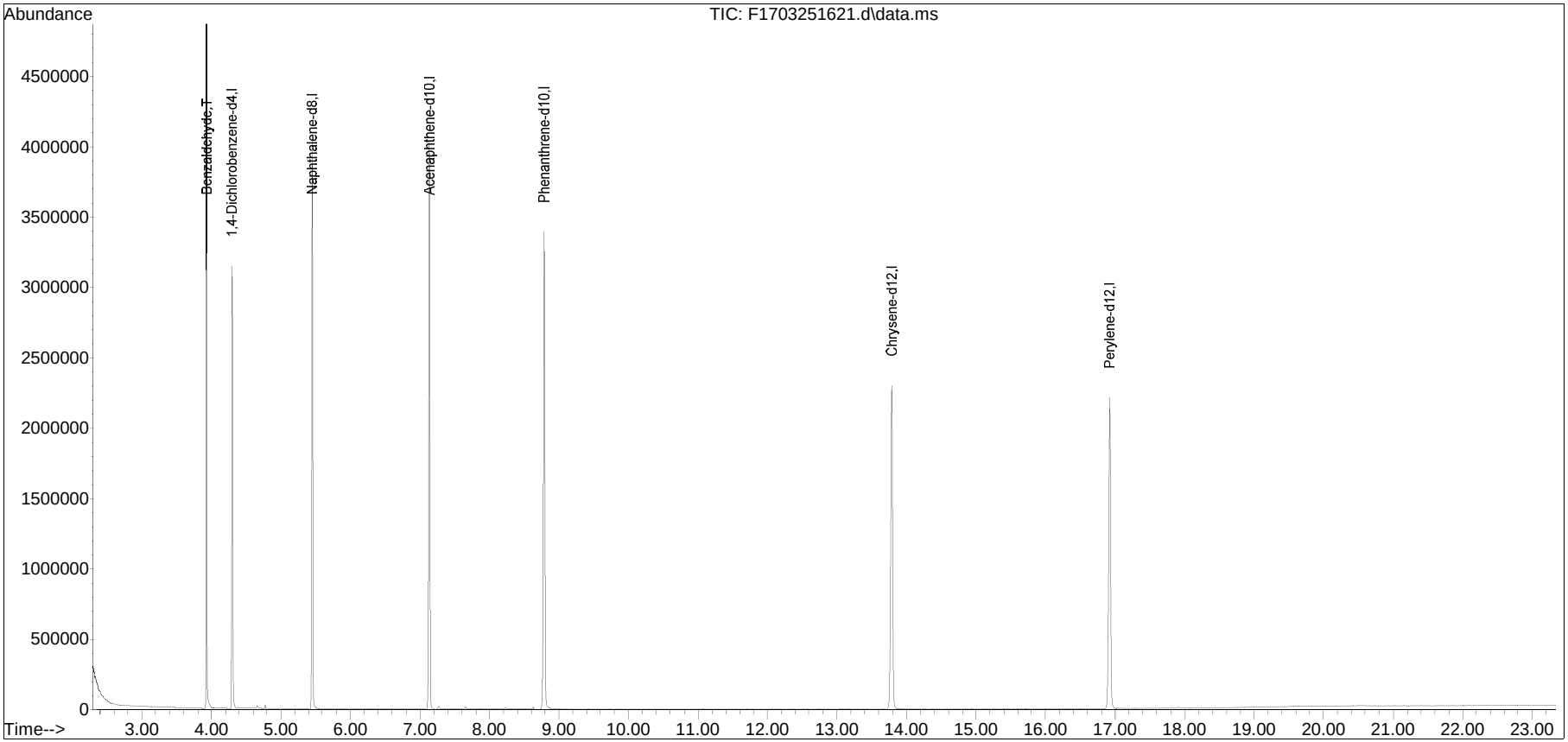
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR25\
Data File : F1703251621.d
Acq On : 26 Mar 2016 2:45 am
Operator : PAH17:ML
Sample : CQ1703251604
Misc : WG877746,MSAI41
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 26 12:05:53 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR25\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 11:57:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH17\2016Q	Method	: SV0325PAH17.M
Data File	: F1703251621.d	Operator	: PAH17:ML
Date Inj'd	: 3/26/2016 2:45 am	Instrument	: PAH17
Sample	: CQ1703251604	Quant Date	: 3/26/2016 11:59 am

There are no manual integrations or false positives in this file.

Response Factor Report BNA8

Method Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Method File : SV0325BNA8.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Sat Mar 26 09:33:26 2016
Response Via : Initial Calibration

Calibration Files
0.5 =F803251602.D 1 =F803251603.D 2 =F803251604.D 5 =F803251605.D 10 =F803251606.D
15 =F803251607.D 25 =F803251608.D 50 =F803251609.D 0.5a=F803251610.D 1.0a=F803251611.D
2.0a=F803251612.D 5.0a=F803251613.D 10a =F803251614.D 15a =F803251615.D 25a =F803251616.D

		Compound	0.5	1	2	5	10	15	25	50	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d4	ISTD									
2)	T	N-Nitrosodimet...	0.675	0.625	0.624	0.656	0.670	0.655	0.645	0.704	0.657	4.04
3)	t	Pyridine	1.200	1.150	1.200	1.244	1.233	1.218	1.191	1.322	1.220	4.12
4)	S	2-Fluorophenol	1.117	1.065	1.102	1.134	1.168	1.150	1.104	1.043	1.110	3.77
5)	T	Benzaldehyde	0.913	0.855	0.869	0.901	0.895	0.872	0.797		0.872	4.43
6)	T	Aniline	1.651	1.589	1.645	1.646	1.567	1.538	1.480	1.513	1.579	4.15
7)	T	bis(2-Chloroet...	0.792	0.739	0.746	0.765	0.745	0.710	0.659	0.619	0.722	7.94
8)	S	Phenol-d5	1.360	1.301	1.345	1.393	1.399	1.375	1.299	1.251	1.340	3.89
9)	MC	Phenol	1.481	1.424	1.464	1.520	1.500	1.433	1.324	1.228	1.422	6.95#
10)	M	2-Chlorophenol	1.260	1.203	1.228	1.257	1.269	1.248	1.184	1.149	1.225	3.47
11)	T	1,3-Dichlorobe...	1.422	1.326	1.349	1.370	1.362	1.322	1.221	1.094	1.308	7.93
12)	MC	1,4-Dichlorobe...	1.455	1.345	1.365	1.374	1.355	1.299	1.190	1.053	1.305	9.70#
13)	T	1,2-Dichlorobe...	1.343	1.255	1.286	1.299	1.281	1.245	1.157	0.982	1.231	9.26
14)	T	Benzyl alcohol	0.718	0.693	0.684	0.725	0.742	0.754	0.737	0.728	0.723	3.31
15)	T	bis(2-chlorois...	1.433	1.321	1.310	1.293	1.245	1.177	1.078	0.943	1.225	12.66
16)	T	2-Methylphenol	1.043	0.977	0.992	0.998	0.986	0.967	0.915	0.868	0.968	5.57
17)	T	Acetophenone	1.396	1.337	1.333	1.439	1.446	1.434	1.331		1.388	3.83
18)	T	Hexachloroethane	0.553	0.508	0.521	0.525	0.520	0.508	0.473	0.426	0.504	7.65
19)	MP	N-Nitroso-di-n...	0.807	0.727	0.741	0.744	0.725	0.714	0.679	0.657	0.724	6.20
20)	T	4-Methylphenol	1.040	0.985	1.017	1.062	1.060	1.027	0.995	1.044	1.029	2.76
21)	I	Naphthalene-d8	ISTD									
22)	S	Nitrobenzene-d5	0.219	0.216	0.230	0.249	0.250	0.254	0.248	0.252	0.240	6.43
23)	T	Nitrobenzene	0.235	0.235	0.251	0.263	0.264	0.259	0.249	0.236	0.249	4.99
24)	T	Isophorone	0.486	0.462	0.466	0.468	0.459	0.446	0.426	0.364	0.447	8.44
25)	TC	2-Nitrophenol	0.095	0.097	0.115	0.140	0.150	0.156	0.156	0.160	*Q	0.9994
26)	T	2,4-Dimethylph...	0.263	0.252	0.256	0.256	0.245	0.236	0.221	0.217	0.243	6.95
27)	T	Benzoic acid			0.048	0.091	0.128	0.148	0.166	0.206	*L	0.9917
28)	T	bis(2-Chloroet...	0.329	0.316	0.321	0.328	0.322	0.315	0.297	0.282	0.314	5.17
29)	TC	2,4-Dichloroph...	0.225	0.221	0.236	0.245	0.249	0.244	0.237	0.226	0.235	4.40#

Response Factor Report BNA8

Method Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Method File : SV0325BNA8.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Sat Mar 26 09:33:26 2016
Response Via : Initial Calibration

Calibration Files
0.5 =F803251602.D 1 =F803251603.D 2 =F803251604.D 5 =F803251605.D 10 =F803251606.D
15 =F803251607.D 25 =F803251608.D 50 =F803251609.D 0.5a=F803251610.D 1.0a=F803251611.D
2.0a=F803251612.D 5.0a=F803251613.D 10a =F803251614.D 15a =F803251615.D 25a =F803251616.D

		Compound	0.5	1	2	5	10	15	25	50	Avg	%RSD
30)	M	1,2,4-Trichlor...	0.268	0.255	0.261	0.263	0.258	0.251	0.236	0.221	0.252	6.28
31)	T	Naphthalene	0.945	0.886	0.888	0.885	0.850	0.802	0.714	0.632	0.825	12.66
32)	T	2-Chloroaniline	0.460	0.443	0.455	0.460	0.451	0.440	0.408	0.346	0.433	8.96
33)	T	4-Chloroaniline	0.369	0.360	0.367	0.376	0.367	0.356	0.334	0.316	0.355	5.74
34)	TC	Hexachlorobuta...	0.127	0.122	0.124	0.126	0.125	0.123	0.118	0.111	0.122	4.32#
35)	T	Caprolactam	0.079	0.073	0.078	0.087	0.089	0.090	0.088		0.083	8.30
36)	MC	4-Chloro-3-met...	0.224	0.219	0.234	0.237	0.241	0.236	0.222	0.210	0.228	4.71#
37)	T	2-Methylnaphth...	0.599	0.563	0.577	0.579	0.568	0.529	0.480	0.420	0.539	11.23
38)	I	Acenaphthene-d10	----------ISTD----------									
39)	T	1,2,4,5-Tetrac...	0.476	0.453	0.470	0.492	0.479	0.459	0.411	0.370	0.451	9.07
40)	TP	Hexachlorocycl...	0.202	0.205	0.225	0.260	0.269	0.271	0.258	0.253	0.243	11.61
41)	TC	2,4,6-Trichlor...	0.290	0.291	0.323	0.361	0.374	0.375	0.373	0.377	0.345	11.05#
42)	T	2,4,5-Trichlor...	0.344	0.327	0.340	0.365	0.368	0.365	0.330	0.301	0.342	6.78
43)	S	2-Fluorobiphenyl	1.272	1.204	1.221	1.260	1.226	1.163	1.045	0.929	1.165	10.21
44)	T	Biphenyl	1.418	1.349	1.385	1.463	1.442	1.350	1.181		1.370	6.87
45)	T	2-Chloronaphth...	1.195	1.127	1.137	1.175	1.140	1.087	0.983	0.886	1.091	9.63
46)	T	2-Nitroaniline	0.161	0.164	0.201	0.243	0.257	0.261	0.259	0.272	0.227	19.97
47)	T	Acenaphthylene	1.963	1.879	1.912	1.961	1.900	1.787	1.600	1.407	1.801	11.02
48)	T	Dimethylphthalate	1.205	1.156	1.156	1.195	1.203	1.181	1.130	1.137	1.170	2.53
49)	T	2,6-Dinitrotol...	0.140	0.152	0.185	0.233	0.261	0.276	0.277	0.308	*Q	0.9993
50)	MC	Acenaphthene	1.187	1.134	1.158	1.162	1.128	1.052	0.940	0.844	1.075	11.41#
51)	T	3-Nitroaniline	0.162	0.177	0.219	0.272	0.301	0.315	0.318	0.347	*Q	0.9994
52)	TP	2,4-Dinitrophenol			0.034	0.073	0.114	0.143	0.170	0.220	*Q	0.9989
53)	T	Dibenzofuran	1.550	1.456	1.481	1.498	1.467	1.395	1.239	1.052	1.392	11.91
54)		2,3,4,6-Tetrac...	0.156	0.162	0.189	0.222	0.237	0.246	0.242	0.252	0.213	18.24
55)	M	2,4-Dinitrotol...	0.145	0.171	0.226	0.310	0.348	0.360	0.341	0.299	*Q	0.9976
56)	MP	4-Nitrophenol	0.086	0.094	0.105	0.130	0.138	0.144	0.145	0.162	*L	0.9974
57)	T	Fluorene	1.299	1.256	1.254	1.292	1.215	1.087	0.929	0.811	1.143	16.06
58)	T	4-Chlorophenyl...	0.558	0.530	0.540	0.553	0.523	0.476	0.407	0.356	0.493	15.09
59)	T	Diethylphthalate	1.439	1.206	1.234	1.285	1.276	1.242	1.152	1.057	1.236	8.93

Response Factor Report BNA8

Method Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Method File : SV0325BNA8.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Sat Mar 26 09:33:26 2016
Response Via : Initial Calibration

Calibration Files
0.5 =F803251602.D 1 =F803251603.D 2 =F803251604.D 5 =F803251605.D 10 =F803251606.D
15 =F803251607.D 25 =F803251608.D 50 =F803251609.D 0.5a=F803251610.D 1.0a=F803251611.D
2.0a=F803251612.D 5.0a=F803251613.D 10a =F803251614.D 15a =F803251615.D 25a =F803251616.D

		Compound	0.5	1	2	5	10	15	25	50	Avg	%RSD
60)	T	4-Nitroaniline	0.169	0.196	0.239	0.301	0.318	0.331	0.329	0.355	*Q	0.9999
61)	I	Phenanthrene-d10	ISTD									
62)	T	4,6-Dinitro-2-...		0.025	0.037	0.065	0.089	0.103	0.113	0.127	*Q	0.9995
63)	T	Azobenzene	0.176	0.170	0.176	0.178	0.181	0.178	0.172	0.162	0.174	3.45
64)	TC	n-Nitrosodiphe...	0.482	0.454	0.463	0.473	0.472	0.460	0.430	0.394	0.454	6.33#
65)	S	2,4,6-Tribromo...	0.043	0.048	0.055	0.062	0.067	0.070	0.071	0.074	0.061	18.58
66)	T	4-Bromophenyl-...	0.155	0.154	0.156	0.160	0.165	0.165	0.159	0.154	0.158	2.86
67)	T	Hexachlorobenzene	0.165	0.156	0.161	0.165	0.166	0.163	0.156	0.156	0.161	2.69
68)	T	Atrazine	0.147	0.143	0.149	0.169	0.177	0.180	0.172		0.162	9.61
69)	MC	Pentachlorophenol	0.066	0.064	0.079	0.107	0.123	0.131	0.134	0.138	*L	0.9996
70)	T	Pentachloronit...	0.035	0.038	0.047	0.057	0.061	0.062	0.062	0.062	*L	0.9999
71)	T	Phenanthrene	0.985	0.936	0.947	0.955	0.948	0.906	0.835	0.766	0.910	8.03
72)	T	Anthracene	0.987	0.943	0.976	0.991	0.976	0.926	0.848	0.757	0.926	8.93
73)	T	Carbazole	0.949	0.911	0.937	0.956	0.950	0.906	0.854	0.787	0.906	6.47
74)	T	Di-n-butylphth...	1.153	1.118	1.169	1.205	1.199	1.147	1.052	0.918	1.120	8.47
75)	TC	Fluoranthene	1.004	0.960	0.994	1.019	1.015	0.979	0.905	0.819	0.962	7.11#
76)	I	Chrysene-d12	ISTD									
77)	T	Benzidine	0.376	0.450	0.537	0.708	0.776	0.791	0.768		*L	0.9992
78)	M	Pyrene	1.112	1.075	1.106	1.130	1.111	1.091	1.020	1.001	1.081	4.30
79)	S	Terphenyl-d14	0.641	0.612	0.633	0.660	0.663	0.655	0.626	0.626	0.639	2.88
80)	T	Butylbenzylpht...	0.464	0.478	0.536	0.577	0.583	0.583	0.571	0.575	0.546	8.90
81)	T	3,3'-Dichlorob...	0.275	0.264	0.296	0.337	0.358	0.368	0.357		0.322	13.36
82)	T	Benz[a]anthracene	1.001	0.950	0.974	1.008	1.009	0.998	0.968	1.000	0.989	2.20
83)	T	Chrysene	0.981	0.932	0.963	0.977	0.977	0.953	0.919	0.913	0.952	2.88
84)	T	bis(2-Ethylhex...	0.618	0.634	0.745	0.778	0.794	0.792	0.762	0.742	0.733	9.40
85)	I	Perylene-d12	ISTD									
86)	TC	Di-n-octylphth...	0.927	0.999	1.415	1.411	1.469	1.458	1.339	1.204	1.278	16.62#
87)	T	Benzo[b]fluora...	0.852	0.845	0.927	0.979	1.002	0.986	0.939	1.101	0.954	8.75

Method Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Method File : SV0325BNA8.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Sat Mar 26 09:33:26 2016
Response Via : Initial Calibration

Calibration Files
0.5 =F803251602.D 1 =F803251603.D 2 =F803251604.D 5 =F803251605.D 10 =F803251606.D
15 =F803251607.D 25 =F803251608.D 50 =F803251609.D 0.5a=F803251610.D 1.0a=F803251611.D
2.0a=F803251612.D 5.0a=F803251613.D 10a =F803251614.D 15a =F803251615.D 25a =F803251616.D

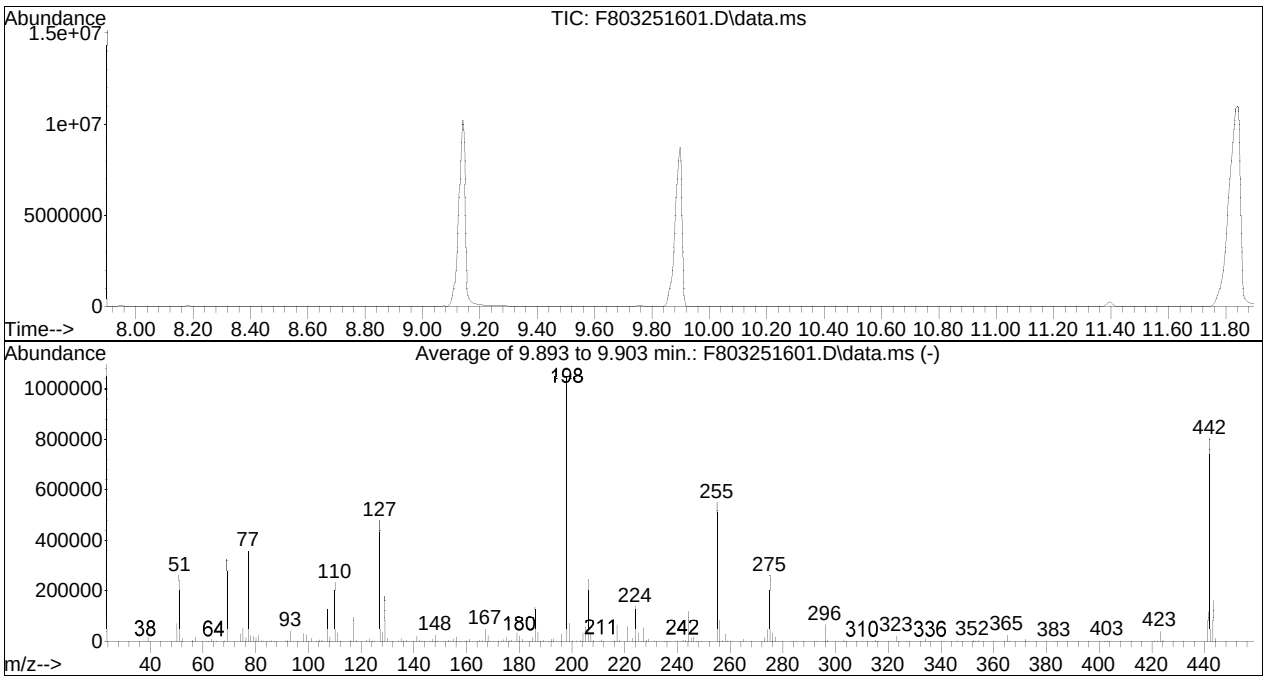
	Compound	0.5	1	2	5	10	15	25	50	Avg	%RSD
88) T	Benzo[k]fluora...	0.927	0.906	0.937	0.999	1.009	0.974	0.919	0.739	0.926	9.14
89) TC	Benzo[a]pyrene	0.842	0.867	0.915	0.971	0.983	0.964	0.911	0.878	0.916	5.70#
90) T	Indeno[1,2,3-c...	0.644	0.660	0.748	0.825	0.881	0.879	0.875	0.970	0.810	14.27
91) T	Dibenz[a,h]ant...	0.699	0.706	0.777	0.842	0.887	0.876	0.845	0.835	0.808	9.05
92) T	Benzo[g,h,i]pe...	0.790	0.761	0.822	0.890	0.922	0.902	0.861	0.872	0.852	6.64

(#) = Out of Range

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251601.D
Acq On : 25 Mar 2016 4:56 pm
Operator : BNA8:ML
Sample : WG877805-1
Misc : WG877805,MSAI06
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\DFTPPBNA8.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Apr 30 16:06:20 2015



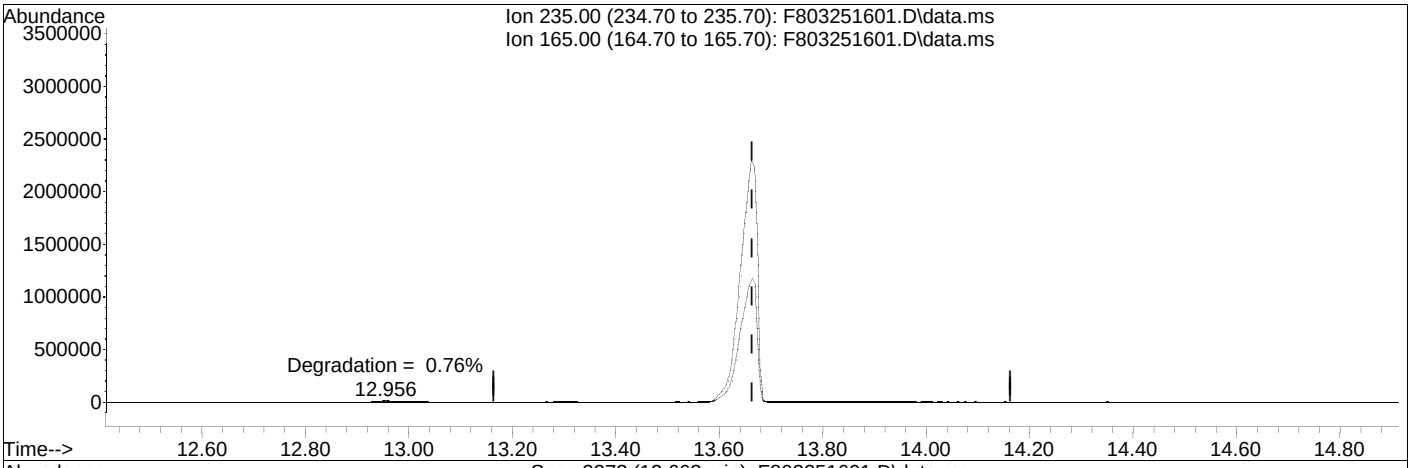
AutoFind: Scans 1590, 1591, 1592; Background Corrected with Scan 1575

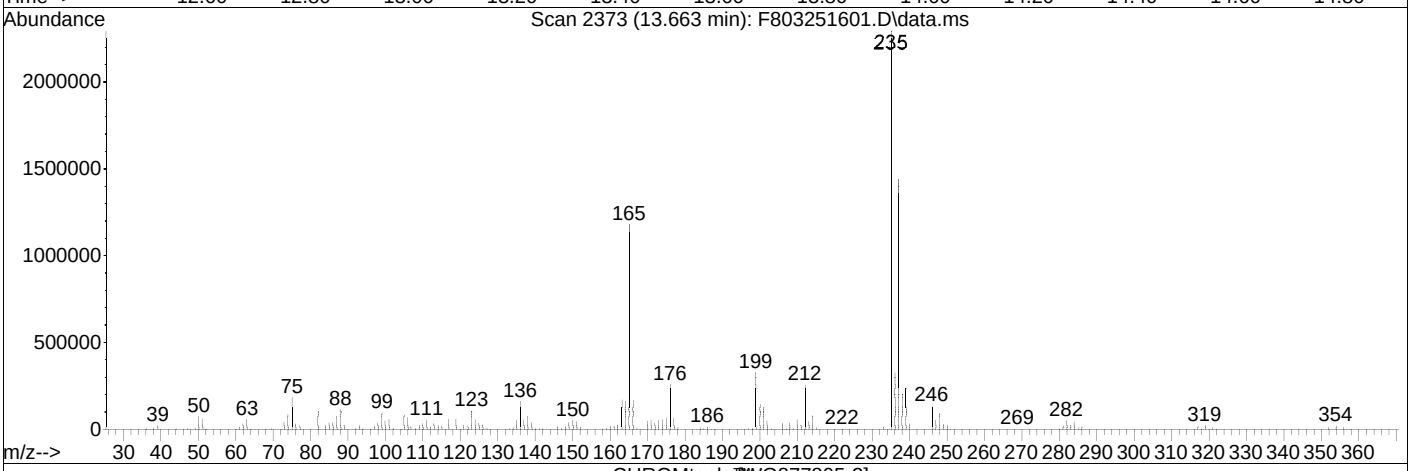
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	24.7	257706	PASS
68	69	0.00	2	1.6	5283	PASS
70	69	0.00	2	0.5	1768	PASS
127	198	10	80	45.7	477671	PASS
197	198	0.00	2	0.2	2009	PASS
198	198	100	100	100.0	1044607	PASS
199	198	5	9	6.7	69683	PASS
275	198	10	60	25.0	261077	PASS
365	198	1	100	2.5	26184	PASS
441	442	0.01	24	14.4	115125	PASS
442	198	50	100	76.8	801897	PASS
443	442	15	24	19.7	158229	PASS

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251601.D
Acq On : 25 Mar 2016 4:56 pm
Operator : BNA8:ML
Sample : WG877805-2
Misc : WG877805,MSAI06
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 27 16:17:52 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\DFTPPBNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:17:54 2016
Response via : Initial Calibration





CHROMtools [WG877805-2]

(4) DDT ( )

13.663min (0.000) 0.00

response 5021484

Ion	Exp%	Act%
235.00	100	100
165.00	51.40	52.10
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251602.D
Acq On : 25 Mar 2016 5:26 pm
Operator : BNA8:ML
Sample : I803251601
Misc : WG877805,MSAI35
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 27 16:04:50 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:04:45 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.755	152	512931	5.000	ug/mL	0.00
21) Naphthalene-d8	5.911	136	1953744	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.606	164	906137	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.397	188	1655592	5.000	ug/mL	0.00
76) Chrysene-d12	14.617	240	1505033	5.000	ug/mL	0.00
85) Perylene-d12	17.709	264	1434542	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.691	112	57291	0.503	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 2.51%#			
8) Phenol-d5	4.409	99	69741	0.507	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 2.54%#			
22) Nitrobenzene-d5	5.242	82	42866M4	0.457	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 2.29%#			
43) 2-Fluorobiphenyl	6.946	172	115272	0.546	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 2.73%#			
65) 2,4,6-Tribromophenol	8.468	330	7137	0.352	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 1.76%#			
79) Terphenyl-d14	12.315	244	96464	0.501	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 2.50%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.776	74	34603	0.514	ug/mL#	93
3) Pyridine	2.805	79	61563	0.492	ug/mL	97
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.471	93	84702M4	0.523	ug/ml	
7) bis(2-Chloroethyl)ether	4.515	63	40616	0.548	ug/mL	98
9) Phenol	4.423	94	75987	0.521	ug/mL	93
10) 2-Chlorophenol	4.568	128	64637	0.514	ug/mL	95
11) 1,3-Dichlorobenzene	4.707	146	72939	0.544	ug/mL	99
12) 1,4-Dichlorobenzene	4.770	146	74636M3	0.558	ug/mL	
13) 1,2-Dichlorobenzene	4.905	146	68873	0.545	ug/mL	99
14) Benzyl alcohol	4.861	108	36843	0.497	ug/mL	96
15) bis(2-chloroisopropyl)eth	4.982	45	73480	0.585	ug/mL	98
16) 2-Methylphenol	4.953	108	53512M4	0.539	ug/mL	
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	5.203	117	28345	0.548	ug/mL	94
19) N-Nitroso-di-n-propylamin	5.097	70	41368	0.557	ug/mL	95
20) 4-Methylphenol	5.083	108	53339M4	0.505	ug/mL	

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251602.D
Acq On : 25 Mar 2016 5:26 pm
Operator : BNA8:ML
Sample : I803251601
Misc : WG877805,MSAI35
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 27 16:04:50 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:04:45 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	5.261	77	45897	0.472	ug/mL	97
24) Isophorone	5.478	82	94928	0.543	ug/mL	98
25) 2-Nitrophenol	5.550	139	18573	0.595	ug/mL	92
26) 2,4-Dimethylphenol	5.579	107	51295	0.540	ug/mL	98
27) Benzoic acid	5.603	105	4810M3	3.551	ug/mL	
28) bis(2-Chloroethoxy)methan	5.675	93	64340	0.525	ug/mL	99
29) 2,4-Dichlorophenol	5.771	162	43937	0.478	ug/mL	98
30) 1,2,4-Trichlorobenzene	5.853	180	52400	0.533	ug/mL	99
31) Naphthalene	5.930	128	184564	0.572	ug/mL	100
32) 2-Chloroaniline	5.516	127	89865	0.531	ug/ml	99
33) 4-Chloroaniline	5.978	127	72029M4	0.519	ug/mL	
34) Hexachlorobutadiene	6.046	225	24884	0.522	ug/mL	98
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	6.431	107	43781	0.492	ug/mL	99
37) 2-Methylnaphthalene	6.590	142	117031	0.555	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.749	216	43147	0.528	ug/mL	100
40) Hexachlorocyclopentadiene	6.739	237	18322	0.416	ug/mL	98
41) 2,4,6-Trichlorophenol	6.860	196	26284	0.420	ug/mL	98
42) 2,4,5-Trichlorophenol	6.889	196	31135M4	0.502	ug/mL	
44) Biphenyl	0.000		0	N.D.		
45) 2-Chloronaphthalene	7.062	162	108321	0.548	ug/mL	99
46) 2-Nitroaniline	7.158	65	14567M4	0.354	ug/mL	
47) Acenaphthylene	7.466	152	177902	0.545	ug/mL	99
48) Dimethylphthalate	7.336	163	109184	0.515	ug/mL	99
49) 2,6-Dinitrotoluene	7.394	165	12695	0.601	ug/mL	92
50) Acenaphthene	7.635	153	107550	0.552	ug/mL	99
51) 3-Nitroaniline	7.558	138	14652	0.595	ug/mL#	91
52) 2,4-Dinitrophenol	7.664	184	1445M4	1.784	ug/mL	
53) Dibenzofuran	7.818	168	140441	0.557	ug/mL	99
54) 2,3,4,6-Tetrachlorophenol	7.943	232	14106	0.365	ug/mL	98
55) 2,4-Dinitrotoluene	7.799	165	13129	0.645	ug/mL#	92
56) 4-Nitrophenol	7.722	109	7758M4	1.264	ug/mL	
57) Fluorene	8.189	166	117686	0.568	ug/mL	100
58) 4-Chlorophenyl-phenylethe	8.193	204	50524	0.566	ug/mL	98
59) Diethylphthalate	8.063	149	130399	0.582	ug/mL	99
60) 4-Nitroaniline	8.203	138	15352	0.589	ug/mL#	66
62) 4,6-Dinitro-2-methylpheno	8.237	198	2824	1.473	ug/mL#	59
63) Azobenzene	8.376	182	29221	0.507	ug/mL	77
64) n-Nitrosodiphenylamine	8.328	169	79812	0.531	ug/mL	99
66) 4-Bromophenyl-phenylether	8.786	248	25708	0.490	ug/mL	95
67) Hexachlorobenzene	8.853	284	27346	0.513	ug/mL	93

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251602.D
Acq On : 25 Mar 2016 5:26 pm
Operator : BNA8:ML
Sample : I803251601
Misc : WG877805,MSAI35
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 27 16:04:50 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:04:45 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Atrazine	0.000		0	N.D. d		
69) Pentachlorophenol	9.123	266	10993M4	1.078	ug/mL	
70) Pentachloronitrobenzene	9.142	237	5800	0.559	ug/ml	91
71) Phenanthrene	9.431	178	163001	0.541	ug/mL	99
72) Anthracene	9.503	178	163373M4	0.533	ug/mL	
73) Carbazole	9.754	167	157068	0.523	ug/mL	99
74) Di-n-butylphthalate	10.389	149	190810	0.514	ug/mL	99
75) Fluoranthene	11.468	202	166243	0.522	ug/mL	99
77) Benzidine	0.000		0	N.D. d		
78) Pyrene	11.911	202	167389	0.515	ug/mL	99
80) Butylbenzylphthalate	13.505	149	69896	0.425	ug/mL	94
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	14.598	228	150587	0.506	ug/mL	99
83) Chrysene	14.675	228	147694M4	0.515	ug/mL	
84) bis(2-Ethylhexyl)phthalat	14.978	149	93012	0.421	ug/mL	97
86) Di-n-octylphthalate	16.485	149	132941	0.363	ug/mL	98
87) Benzo[b]fluoranthene	16.967	252	122201	0.446	ug/mL	99
88) Benzo[k]fluoranthene	17.025	252	132965M4	0.500	ug/mL	
89) Benzo[a]pyrene	17.588	252	120717	0.459	ug/mL	99
90) Indeno[1,2,3-cd]pyrene	19.505	276	92436	0.398	ug/mL	98
91) Dibenz[a,h]anthracene	19.562	278	100298M4	0.432	ug/mL	
92) Benzo[g,h,i]perylene	19.919	276	113263	0.463	ug/mL	98

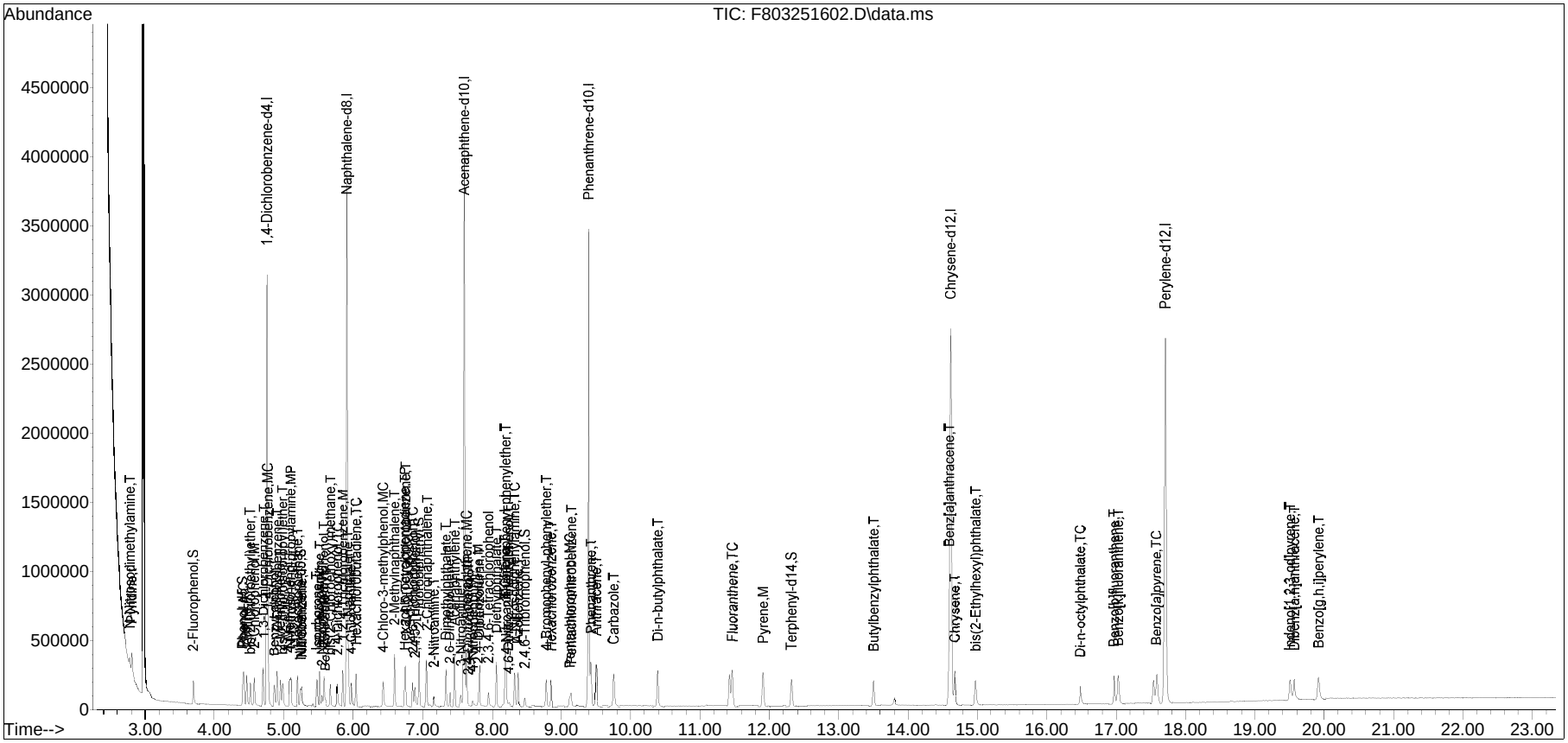
(#) = qualifier out of range (m) = manual integration (+) = signals summed

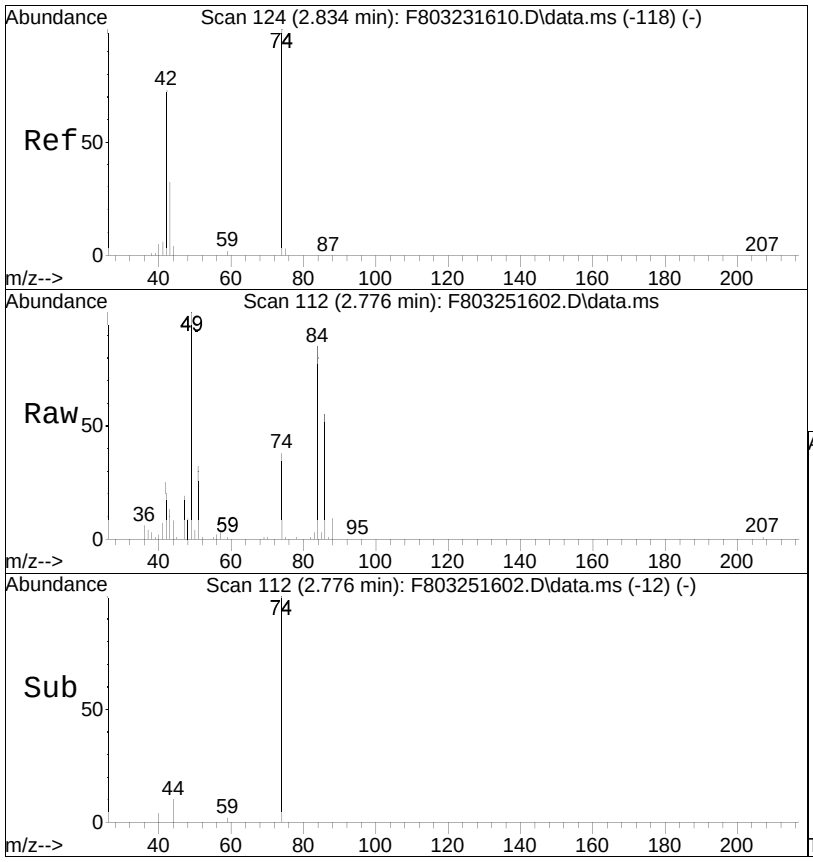
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251602.D
Acq On : 25 Mar 2016 5:26 pm
Operator : BNA8:ML
Sample : I803251601
Misc : WG877805,MSAI35
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 27 16:04:50 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:04:45 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

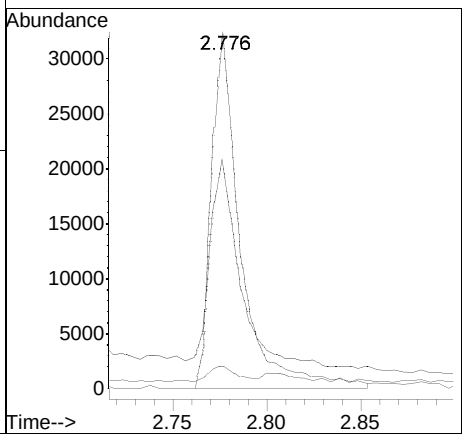


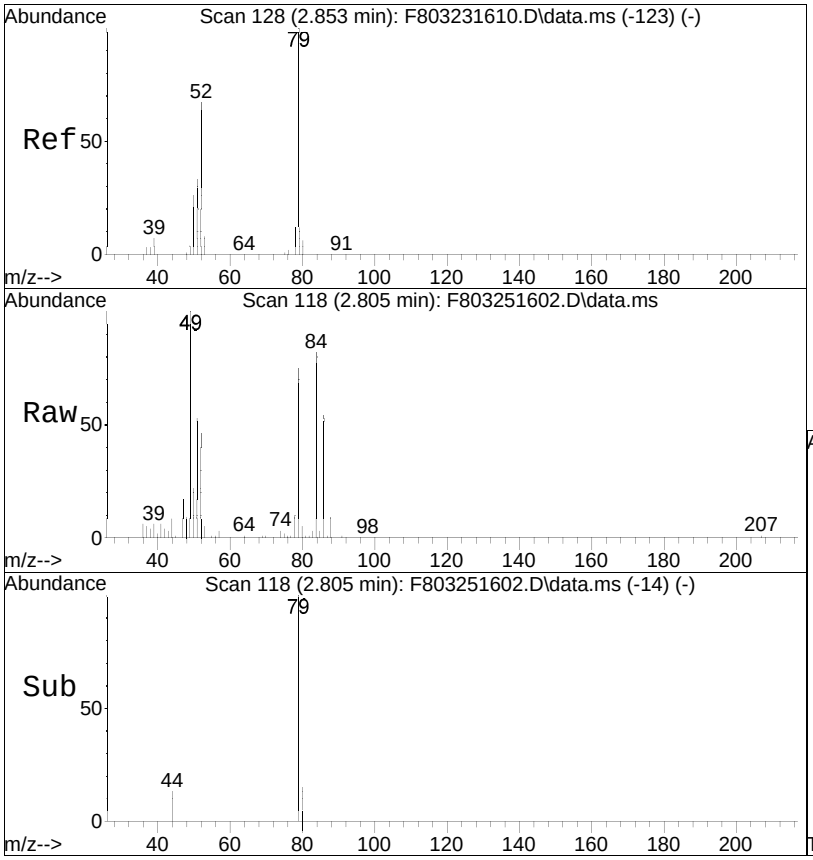


#2
N-Nitrosodimethylamine
Concen: 0.51 ug/mL
RT: 2.776 min Scan# 112
Delta R.T. -0.019 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion: 74 Resp: 34603

Ion	Ratio	Lower	Upper
74	100		
42	59.2	43.8	65.6
40	0.0	4.2	6.4#

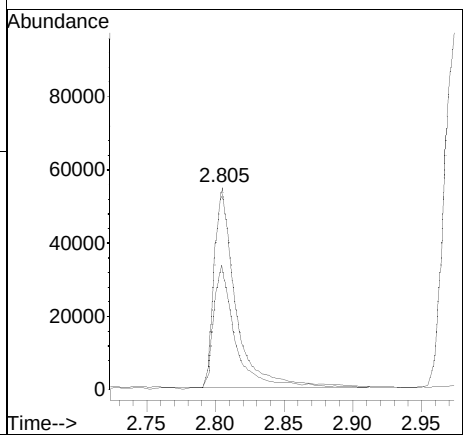


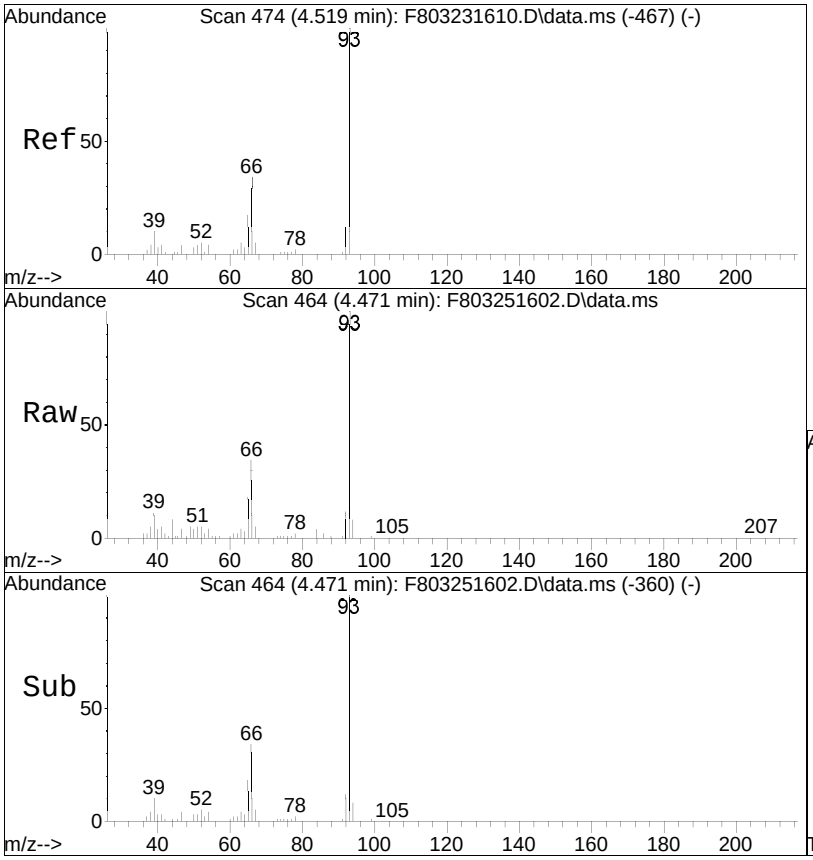


#3
Pyridine
Concen: 0.49 ug/mL
RT: 2.805 min Scan# 118
Delta R.T. 0.000 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion: 79 Resp: 61563

Ion	Ratio	Lower	Upper
79	100		
52	56.2	46.6	69.8

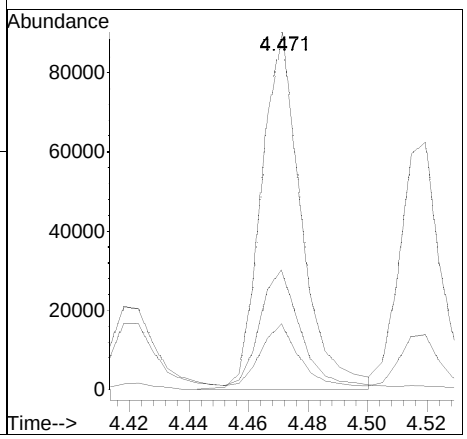


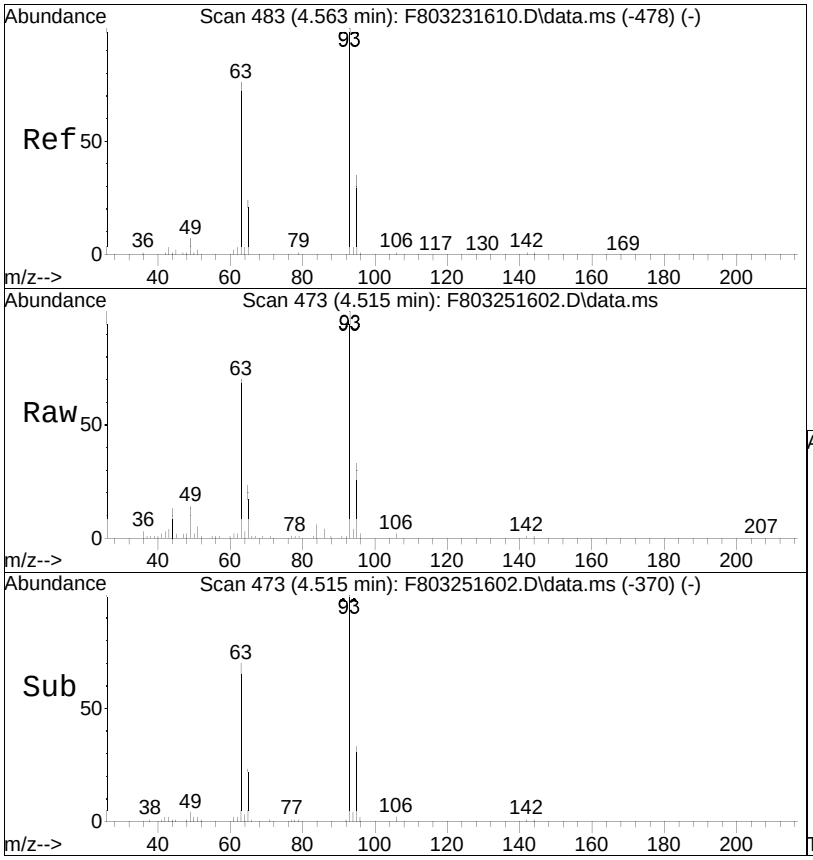


#6
Aniline
Concen: 0.52 ug/ml M4
RT: 4.471 min Scan# 464
Delta R.T. 0.000 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion: 93 Resp: 84702

Ion	Ratio	Lower	Upper
93	100		
66	35.4	26.7	40.1
65	18.6	14.2	21.4

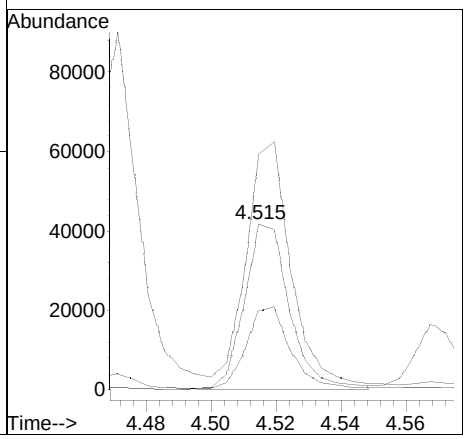


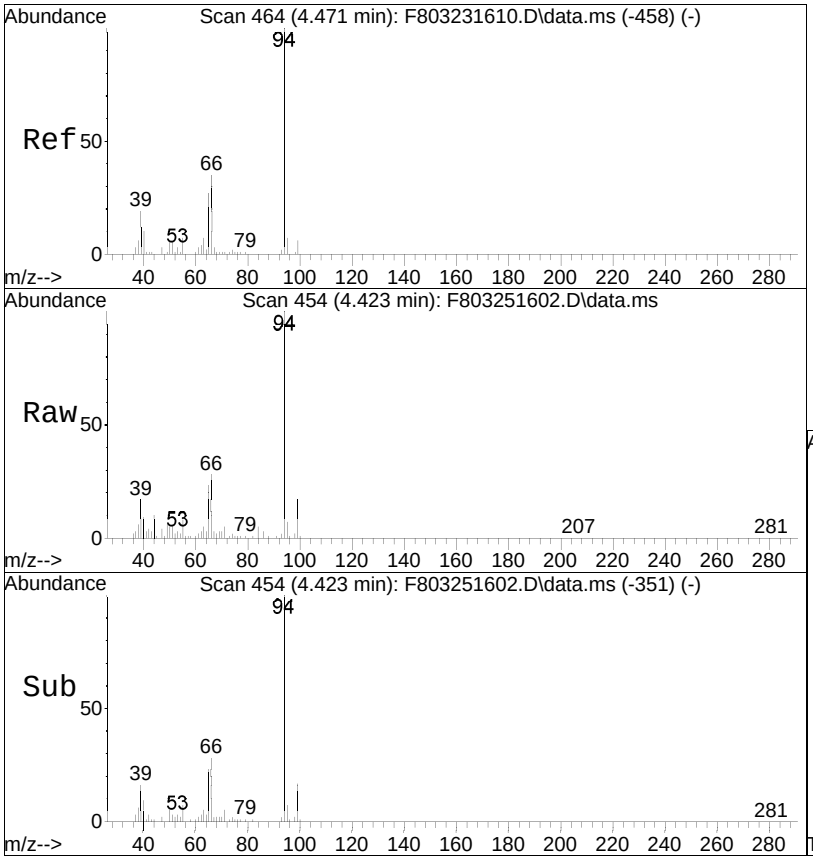


#7
bis(2-Chloroethyl)ether
Concen: 0.55 ug/mL
RT: 4.515 min Scan# 473
Delta R.T. -0.004 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion: 63 Resp: 40616

Ion	Ratio	Lower	Upper
63	100		
93	150.8	123.0	184.4
95	50.0	41.1	61.7

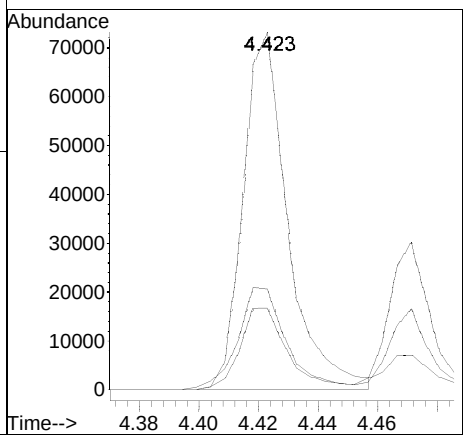


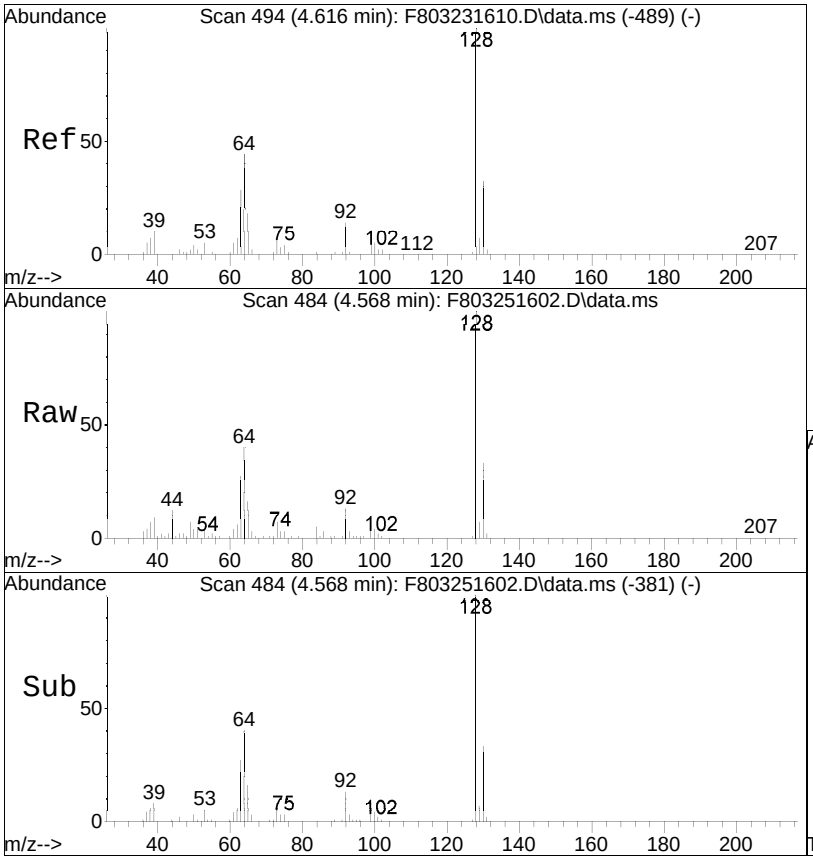


#9
Phenol
Concen: 0.52 ug/mL
RT: 4.423 min Scan# 454
Delta R.T. -0.005 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion: 94 Resp: 75987

Ion	Ratio	Lower	Upper
94	100		
66	31.4	21.7	32.5
65	24.7	17.6	26.4

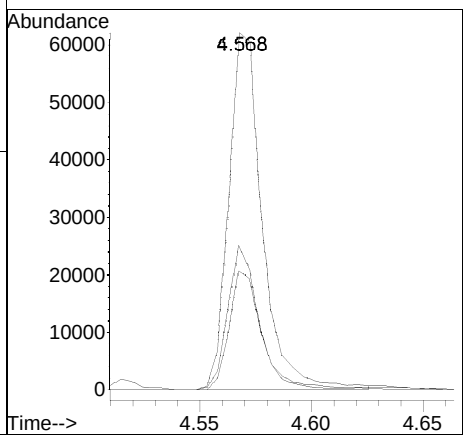


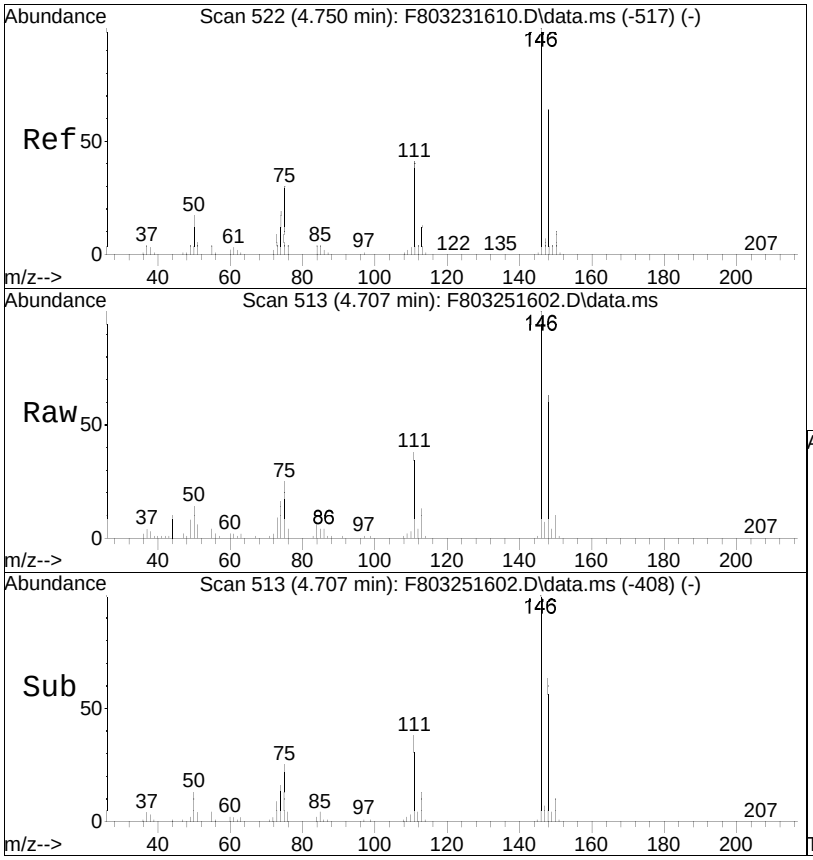


#10
2-Chlorophenol
Concen: 0.51 ug/mL
RT: 4.568 min Scan# 484
Delta R.T. -0.004 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:128 Resp: 64637

Ion	Ratio	Lower	Upper
128	100		
64	38.7	27.6	41.4
130	31.8	26.2	39.4

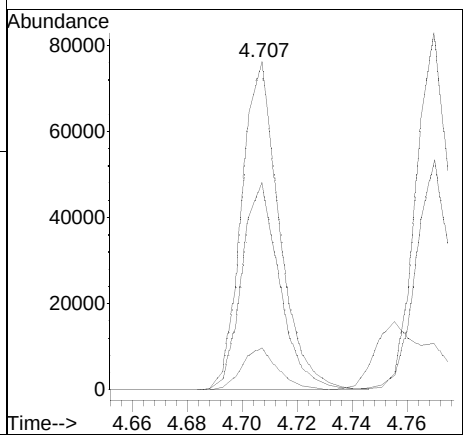


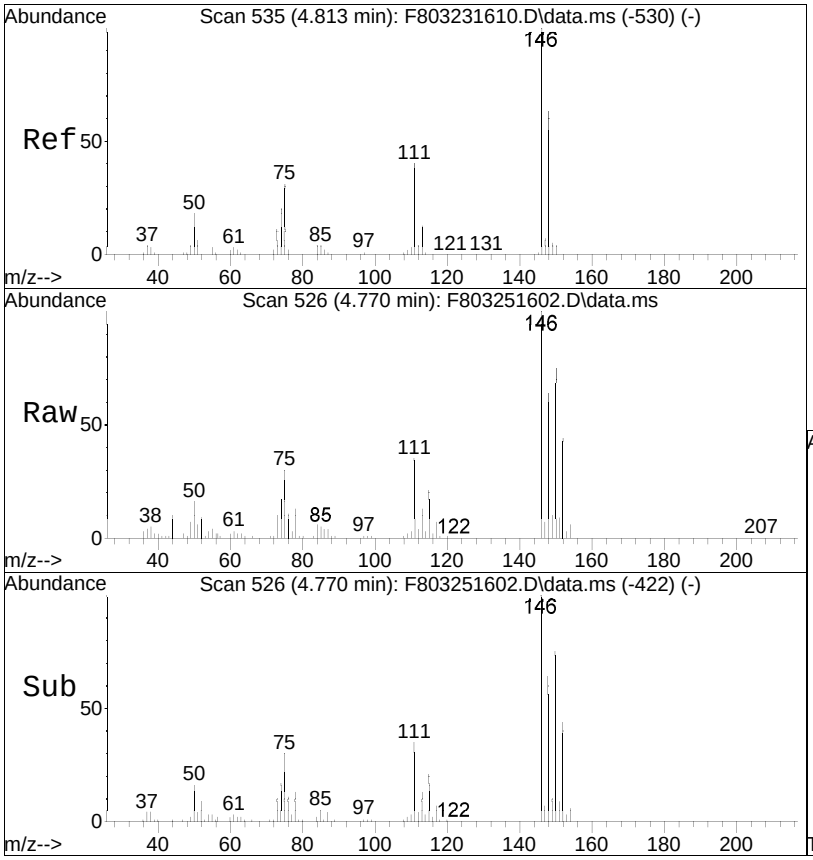


#11
1,3-Dichlorobenzene
Concen: 0.54 ug/mL
RT: 4.707 min Scan# 513
Delta R.T. 0.005 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:146 Resp: 72939

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.0	76.6
113	12.2	9.7	14.5

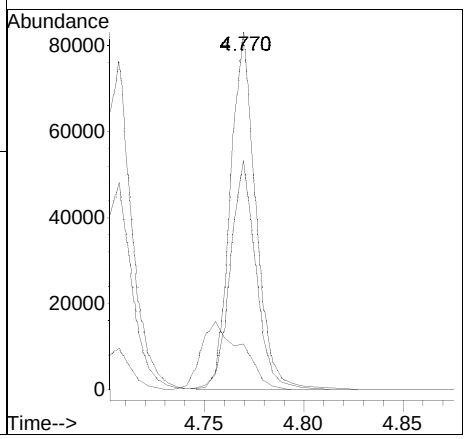


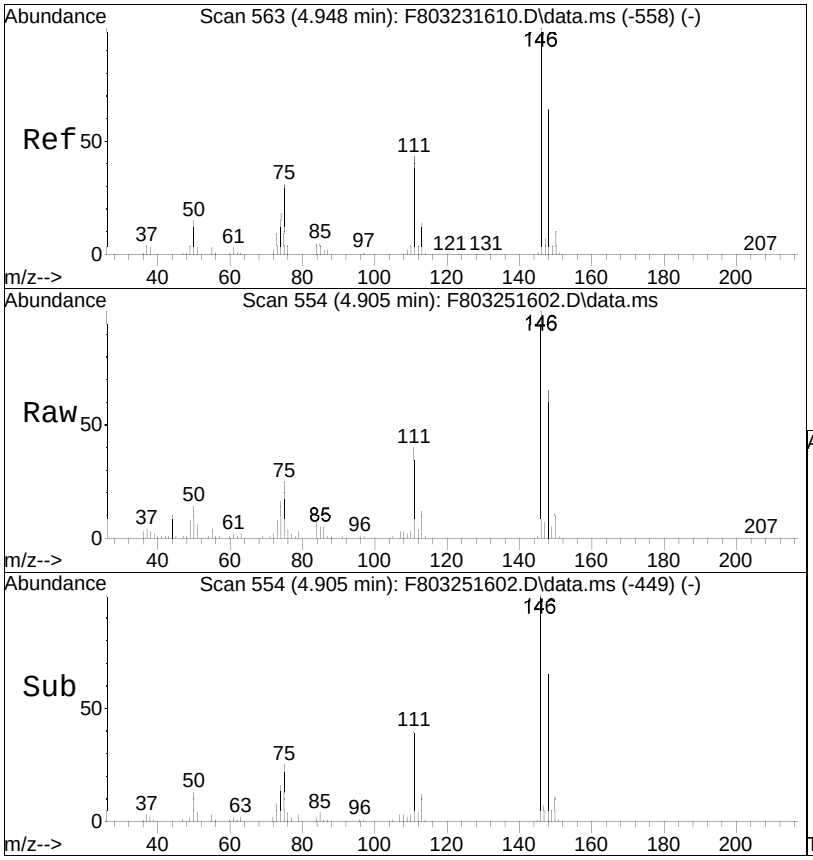


#12
1,4-Dichlorobenzene
Concen: 0.56 ug/mL M3
RT: 4.770 min Scan# 526
Delta R.T. -0.000 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:146 Resp: 74636

Ion	Ratio	Lower	Upper
146	100		
148	61.8	51.2	76.8
113	12.0	9.1	13.7

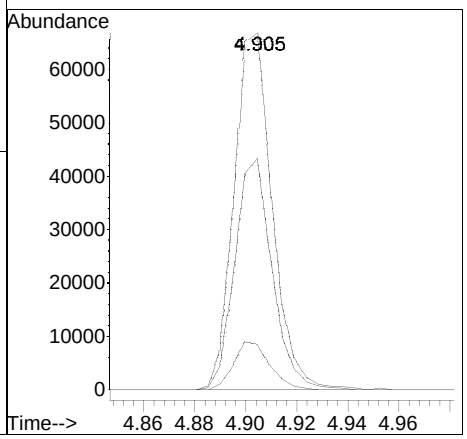


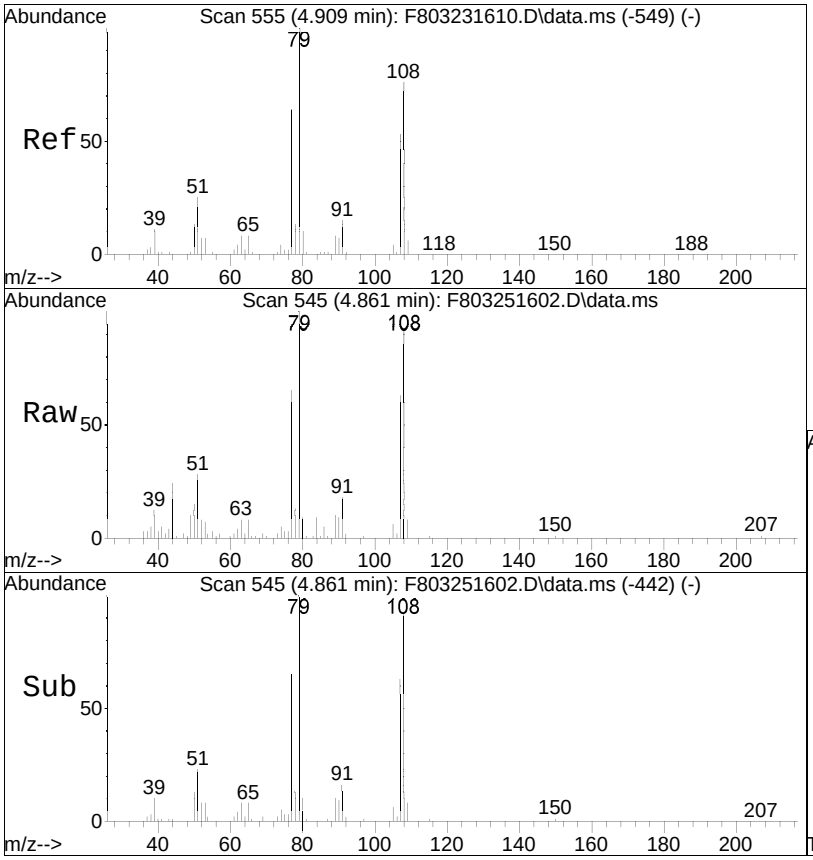


#13
1,2-Dichlorobenzene
Concen: 0.55 ug/mL
RT: 4.905 min Scan# 554
Delta R.T. 0.005 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:146 Resp: 68873

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.0	76.6
113	12.9	10.0	15.0

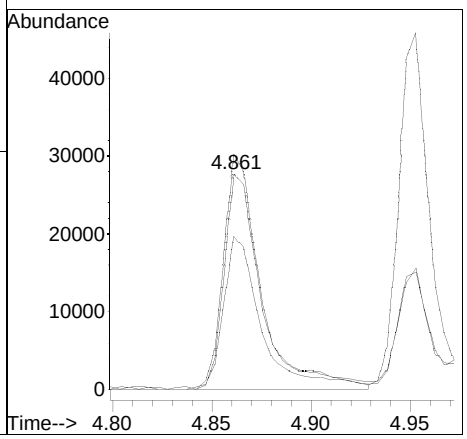


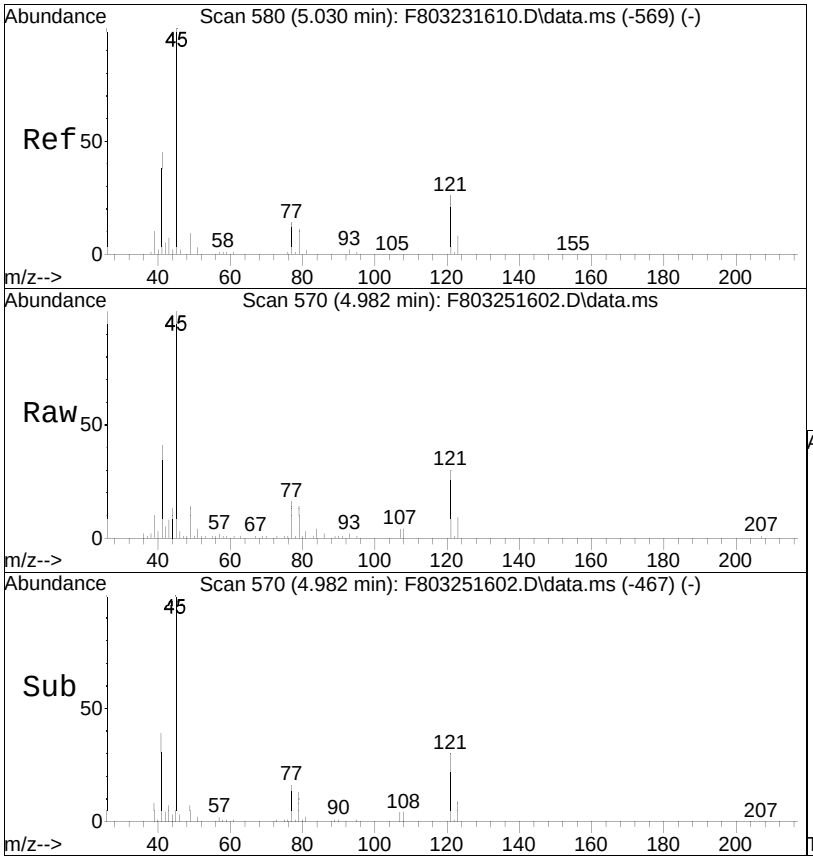


#14
Benzyl alcohol
Concen: 0.50 ug/mL
RT: 4.861 min Scan# 545
Delta R.T. -0.005 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:108 Resp: 36843

Ion	Ratio	Lower	Upper
108	100		
79	102.5	84.5	126.7
77	69.7	52.9	79.3

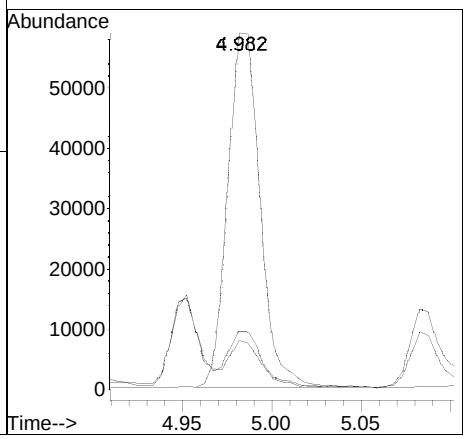


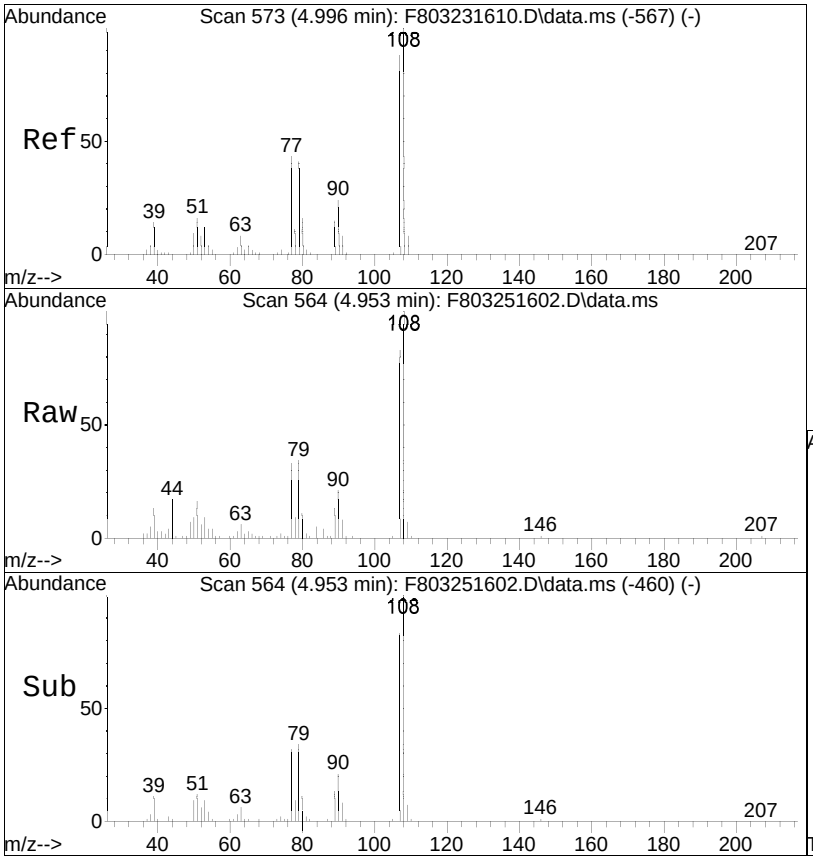


#15
bis(2-chloroisopropyl)ether
Concen: 0.58 ug/mL
RT: 4.982 min Scan# 570
Delta R.T. -0.004 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion: 45 Resp: 73480

Ion	Ratio	Lower	Upper
45	100		
77	16.9	13.2	19.8
79	12.0	10.9	16.3

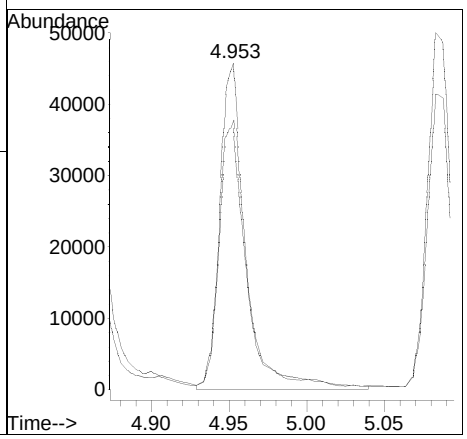


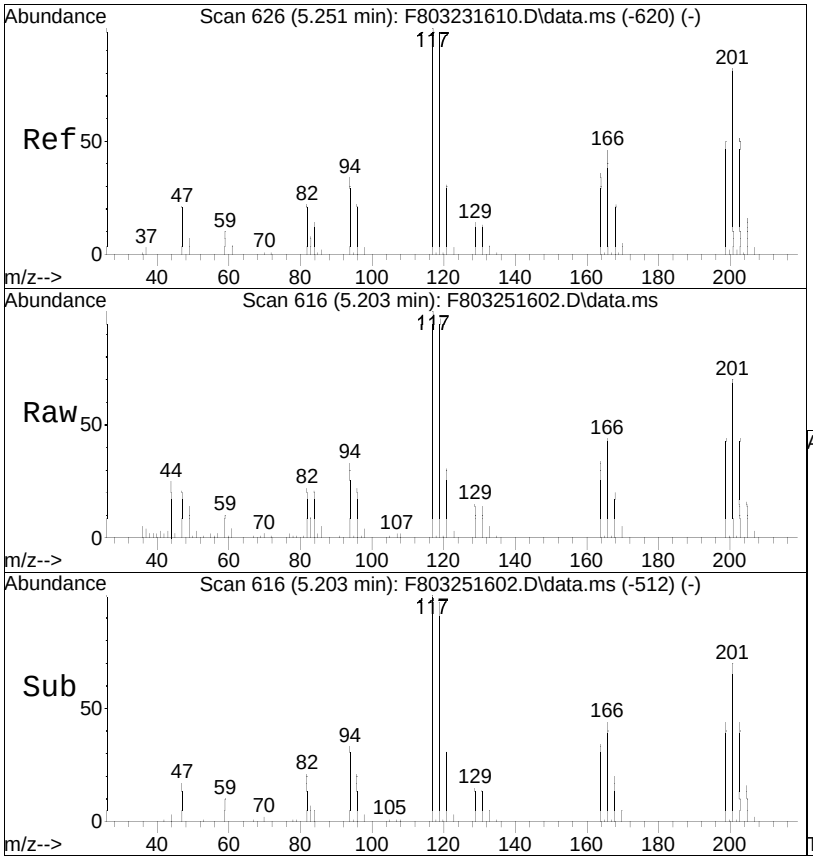


#16
2-Methylphenol
Concen: 0.54 ug/mL M4
RT: 4.953 min Scan# 564
Delta R.T. -0.000 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:108 Resp: 53512

Ion	Ratio	Lower	Upper
108	100		
107	81.1	68.1	102.1

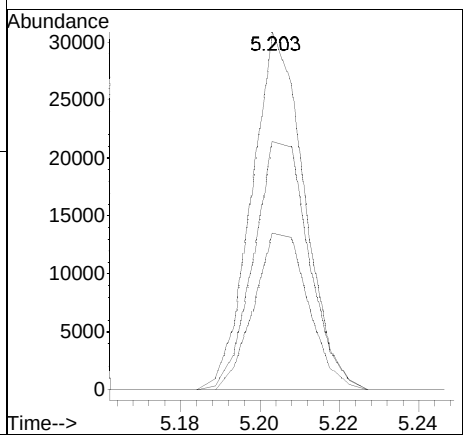


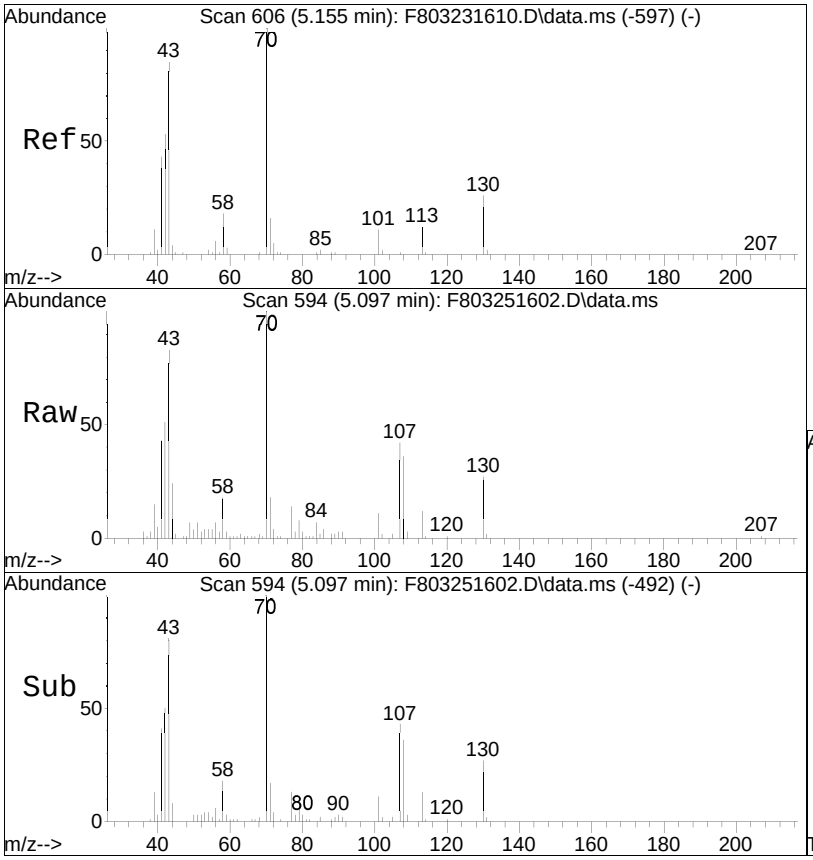


#18
Hexachloroethane
Concen: 0.55 ug/mL
RT: 5.203 min Scan# 616
Delta R.T. 0.000 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:117 Resp: 28345

Ion	Ratio	Lower	Upper
117	100		
201	72.8	62.8	94.2
199	45.5	39.0	58.4

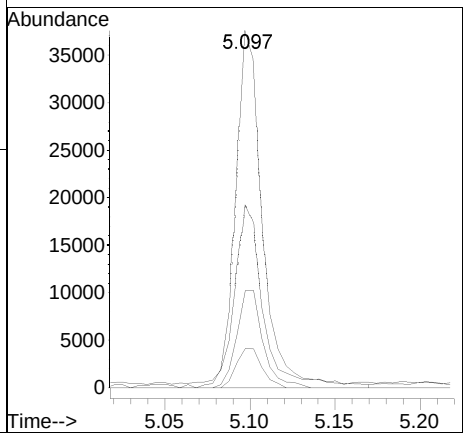


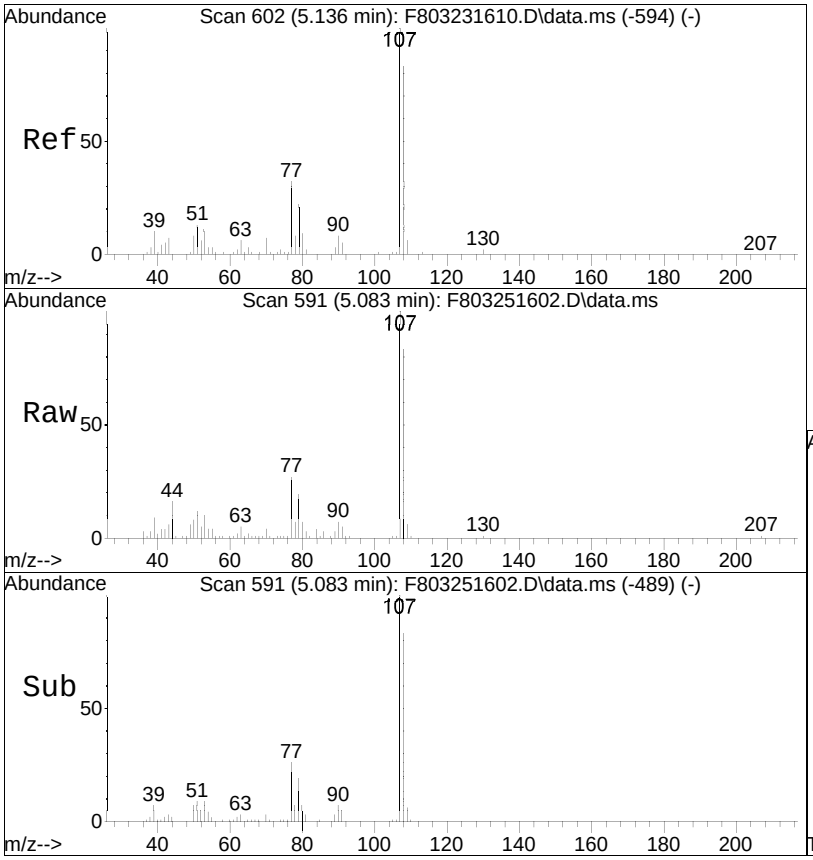


#19
N-Nitroso-di-n-propylamine
Concen: 0.56 ug/mL
RT: 5.097 min Scan# 594
Delta R.T. -0.010 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion: 70 Resp: 41368

Ion	Ratio	Lower	Upper
70	100		
42	49.6	37.1	55.7
130	26.6	24.0	36.0
101	10.5	9.2	13.8

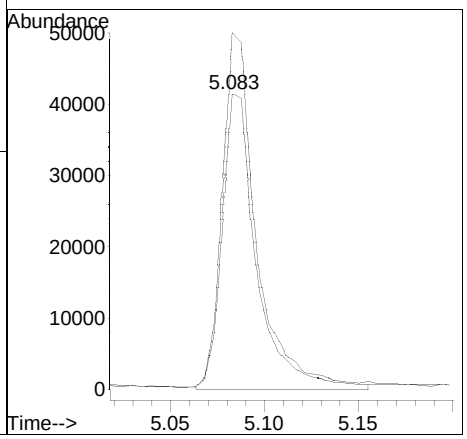


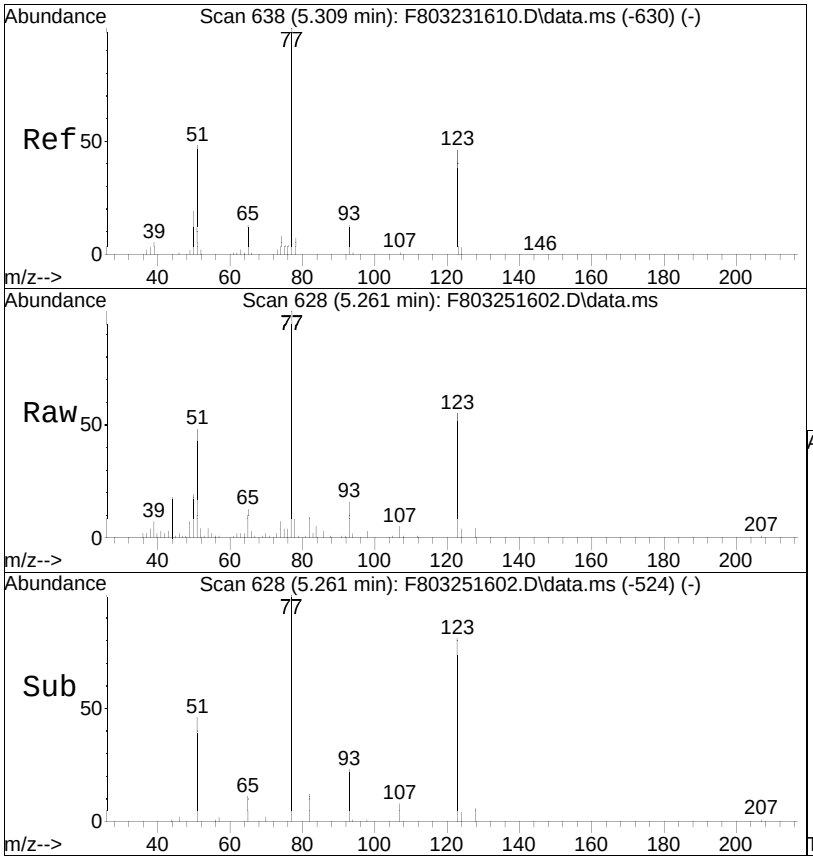


#20
4-Methylphenol
Concen: 0.51 ug/mL M4
RT: 5.083 min Scan# 591
Delta R.T. -0.009 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:108 Resp: 53339

Ion	Ratio	Lower	Upper
108	100		
107	116.1	94.6	142.0

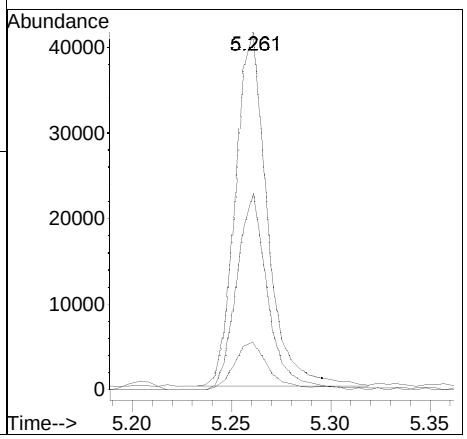


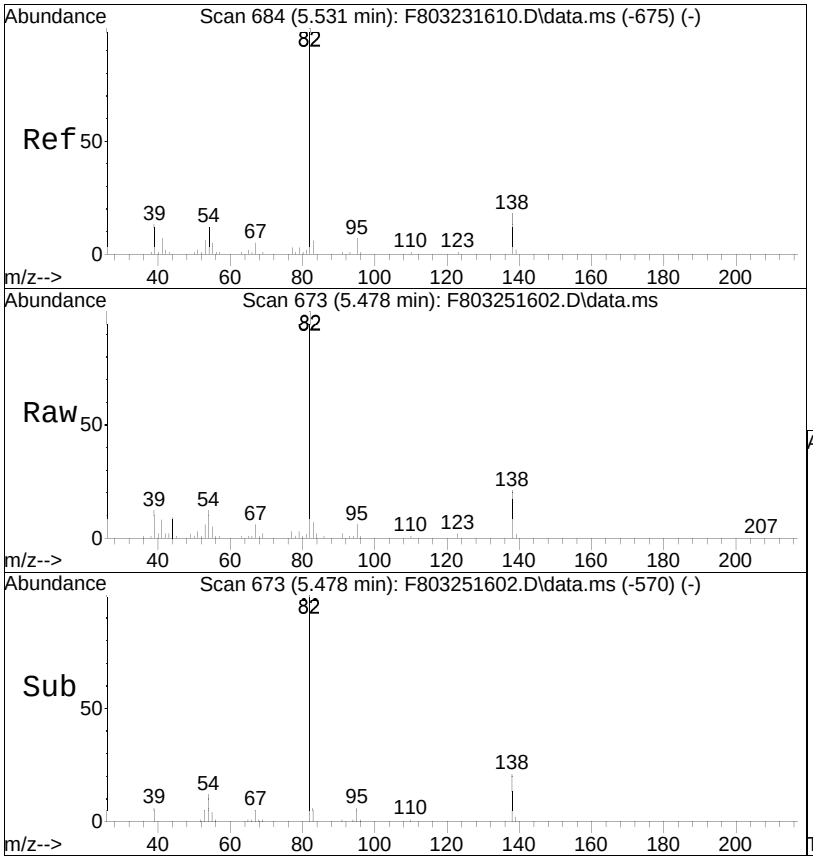


#23
Nitrobenzene
Concen: 0.47 ug/mL
RT: 5.261 min Scan# 628
Delta R.T. -0.000 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion: 77 Resp: 45897

Ion	Ratio	Lower	Upper
77	100		
123	54.4	45.4	68.2
65	14.5	10.2	15.4

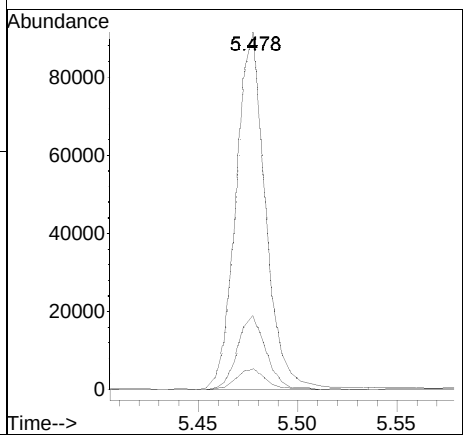


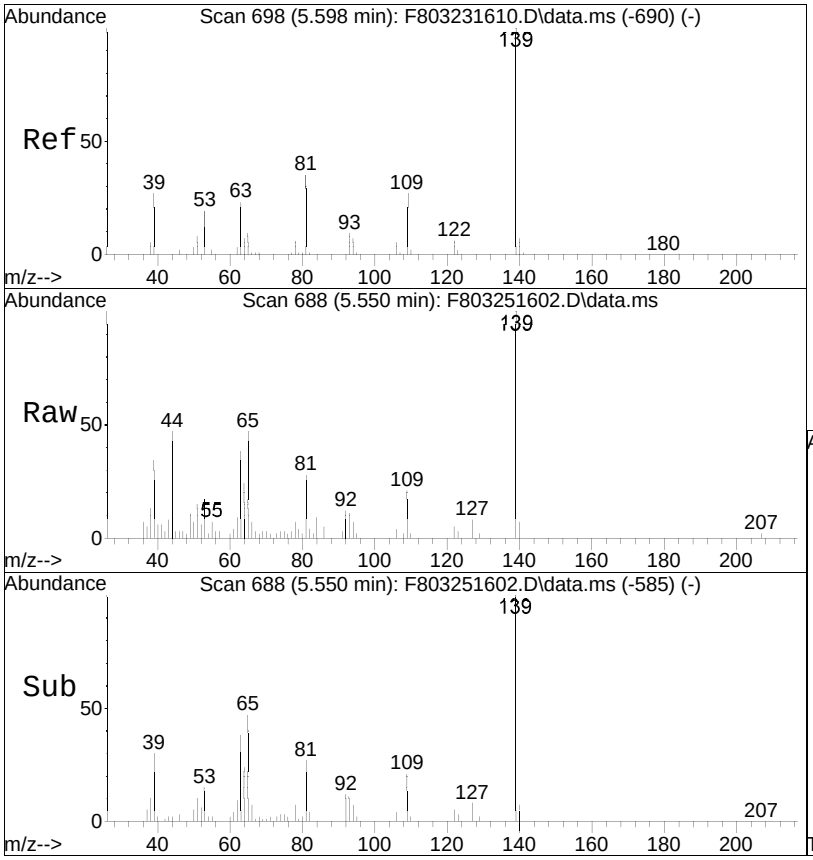


#24
Isophorone
Concen: 0.54 ug/mL
RT: 5.478 min Scan# 673
Delta R.T. -0.004 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion: 82 Resp: 94928

Ion	Ratio	Lower	Upper
82	100		
138	20.3	17.0	25.4
95	6.3	4.9	7.3

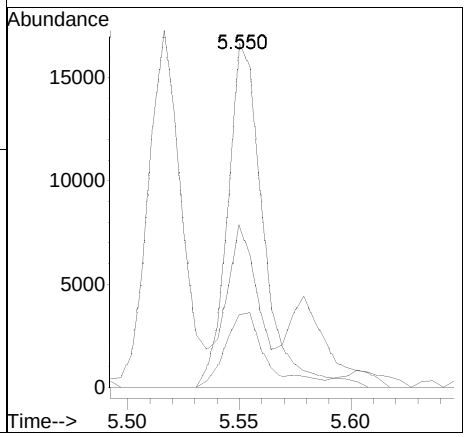


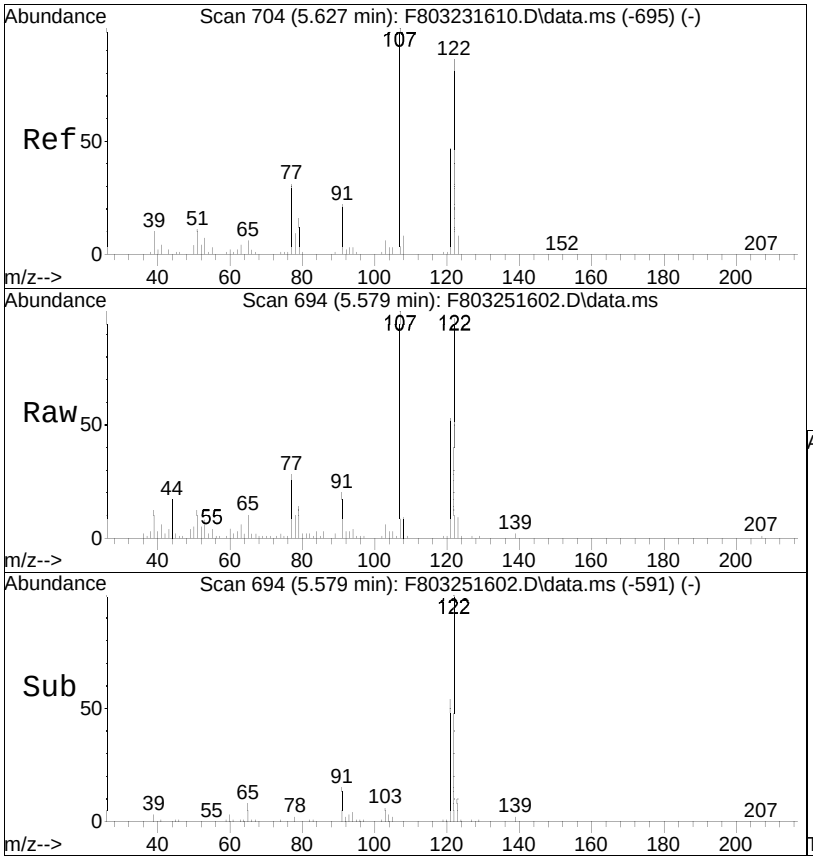


#25
2-Nitrophenol
Concen: 0.59 ug/mL
RT: 5.550 min Scan# 688
Delta R.T. -0.005 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:139 Resp: 18573

Ion	Ratio	Lower	Upper
139	100		
65	41.1	28.4	42.6
109	22.2	16.3	24.5

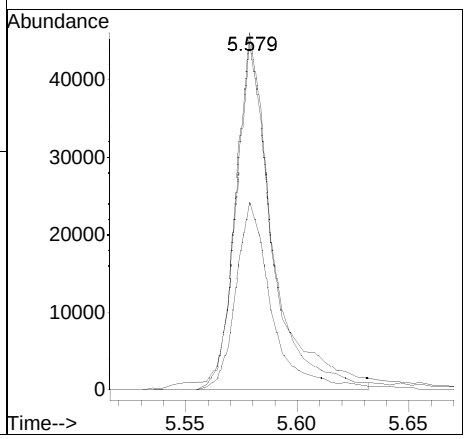


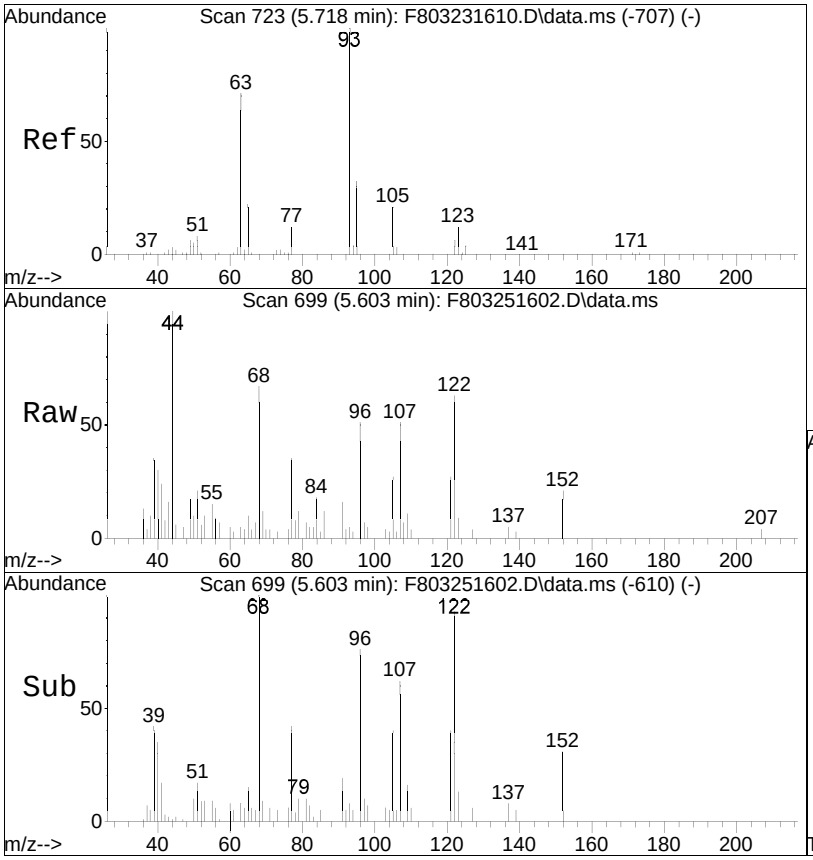


#26
2,4-Dimethylphenol
Concen: 0.54 ug/mL
RT: 5.579 min Scan# 694
Delta R.T. -0.004 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:107 Resp: 51295

Ion	Ratio	Lower	Upper
107	100		
122	99.6	78.4	117.6
121	51.4	43.0	64.6

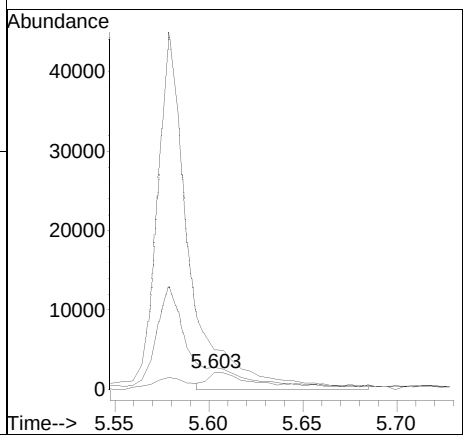


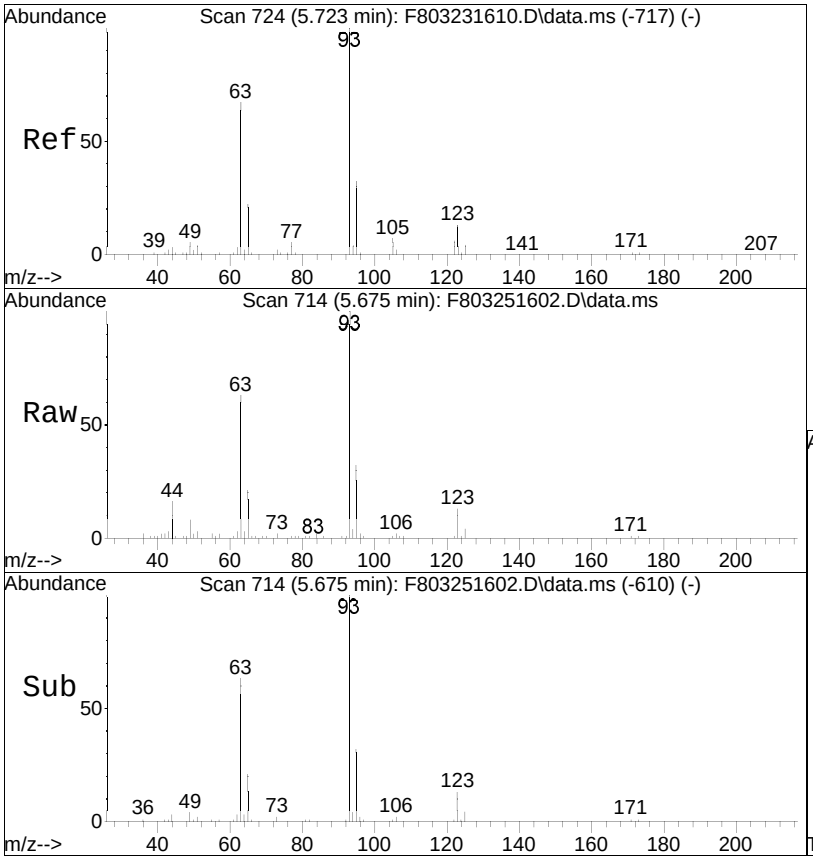


#27
Benzoic acid
Concen: 3.55 ug/mL M3
RT: 5.603 min Scan# 699
Delta R.T. -0.072 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:105 Resp: 4810

Ion	Ratio	Lower	Upper
105	100		
122	10.7	70.9	106.3#
77	0.0	53.4	80.0#

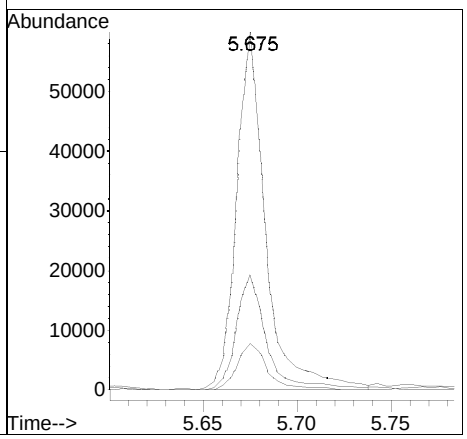


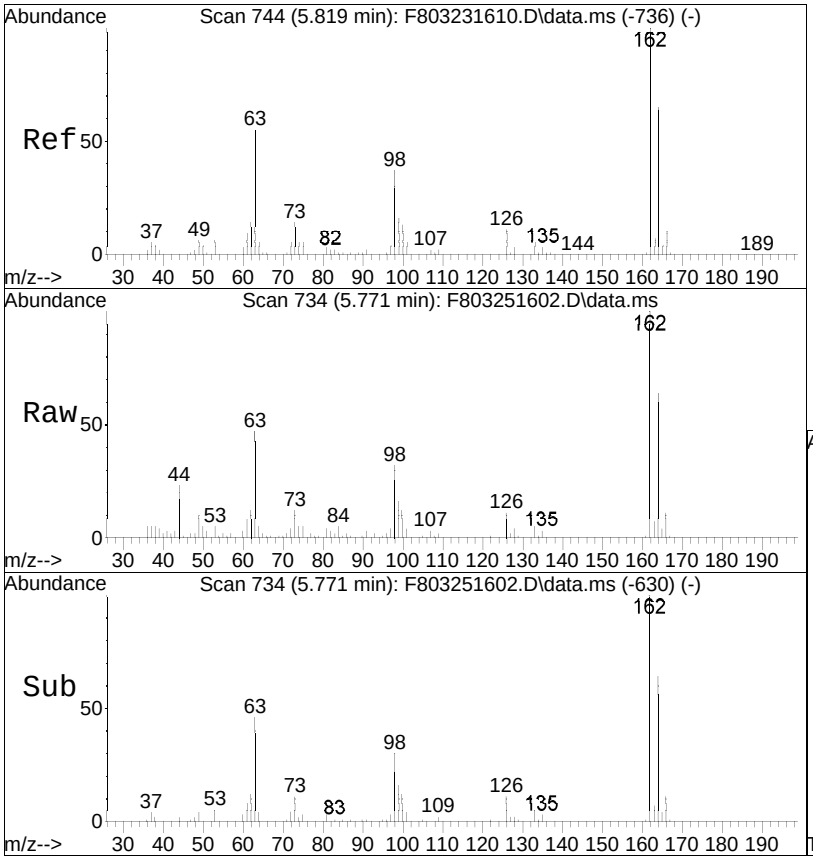


#28
bis(2-Chloroethoxy)methane
Concen: 0.52 ug/mL
RT: 5.675 min Scan# 714
Delta R.T. 0.000 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion: 93 Resp: 64340

Ion	Ratio	Lower	Upper
93	100		
95	33.6	26.7	40.1
123	13.4	11.9	17.9

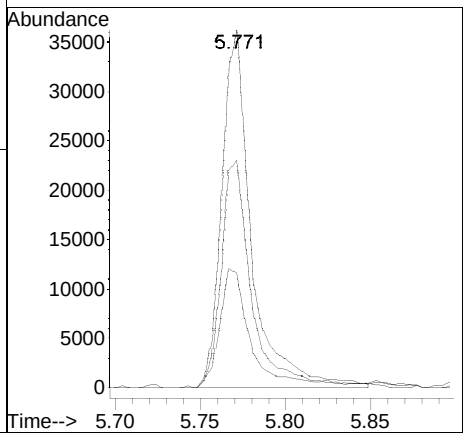


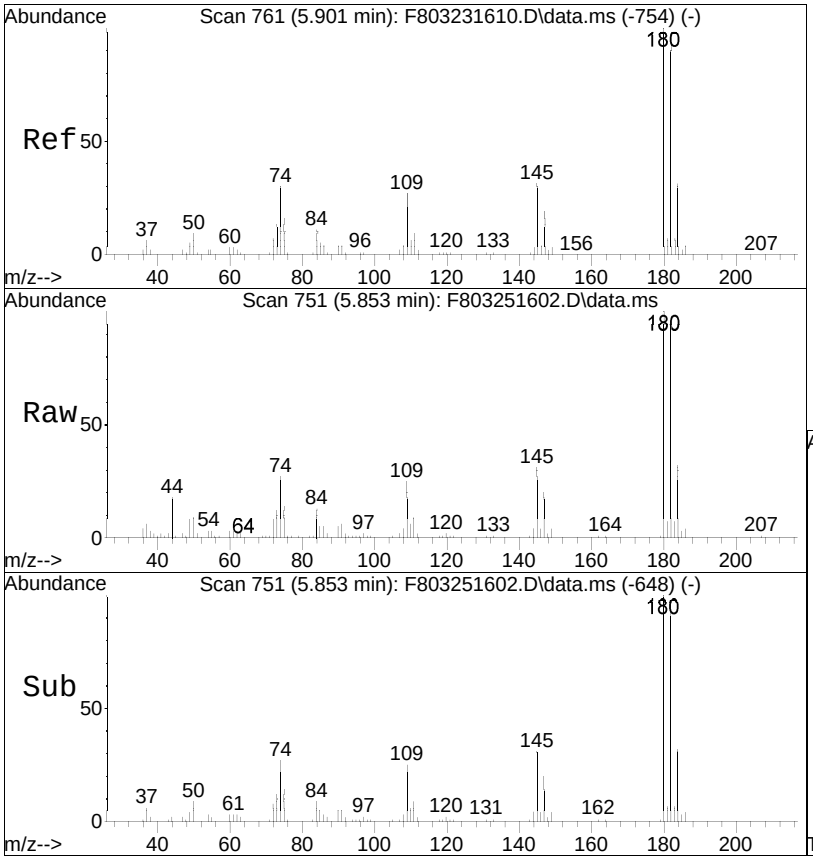


#29
2,4-Dichlorophenol
Concen: 0.48 ug/mL
RT: 5.771 min Scan# 734
Delta R.T. 0.000 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:162 Resp: 43937

Ion	Ratio	Lower	Upper
162	100		
164	64.4	50.8	76.2
98	34.5	26.3	39.5

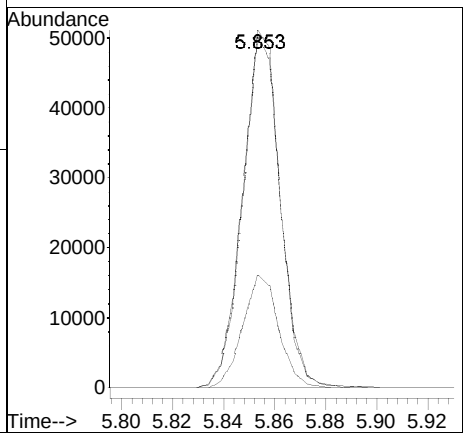


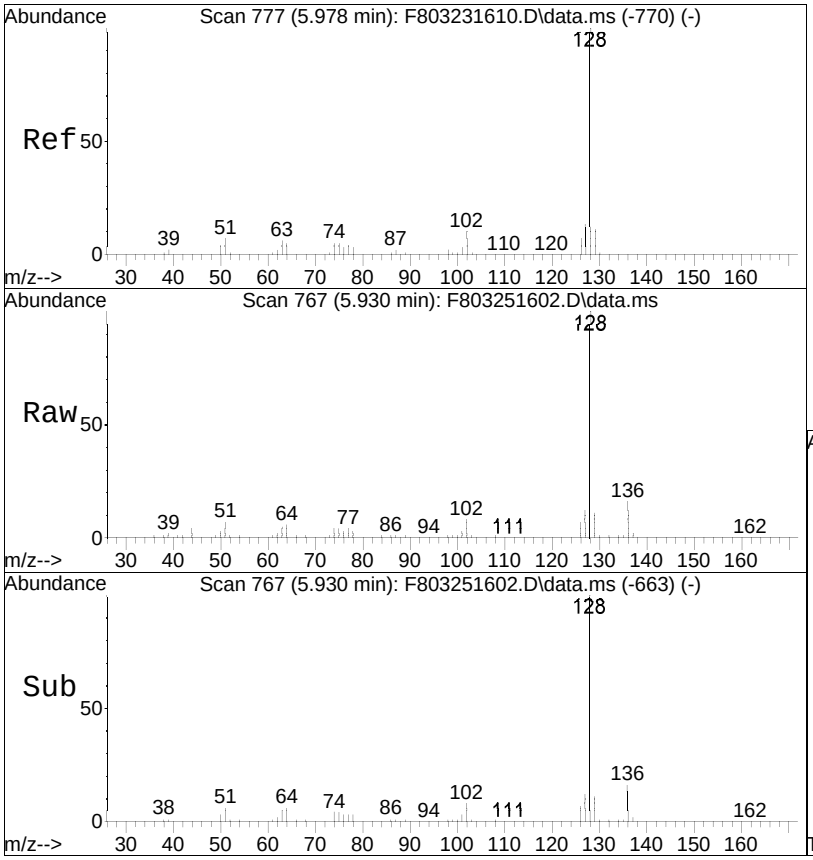


#30
1,2,4-Trichlorobenzene
Concen: 0.53 ug/mL
RT: 5.853 min Scan# 751
Delta R.T. -0.005 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:180 Resp: 52400

Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.2	114.4
145	30.2	23.6	35.4

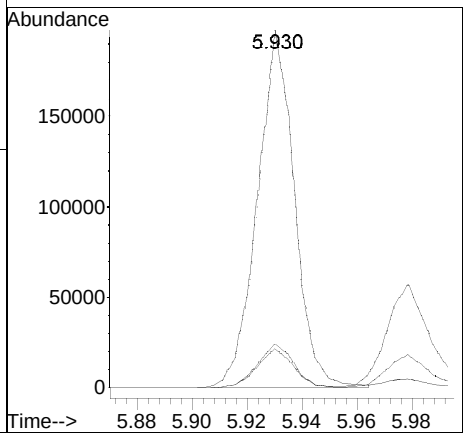


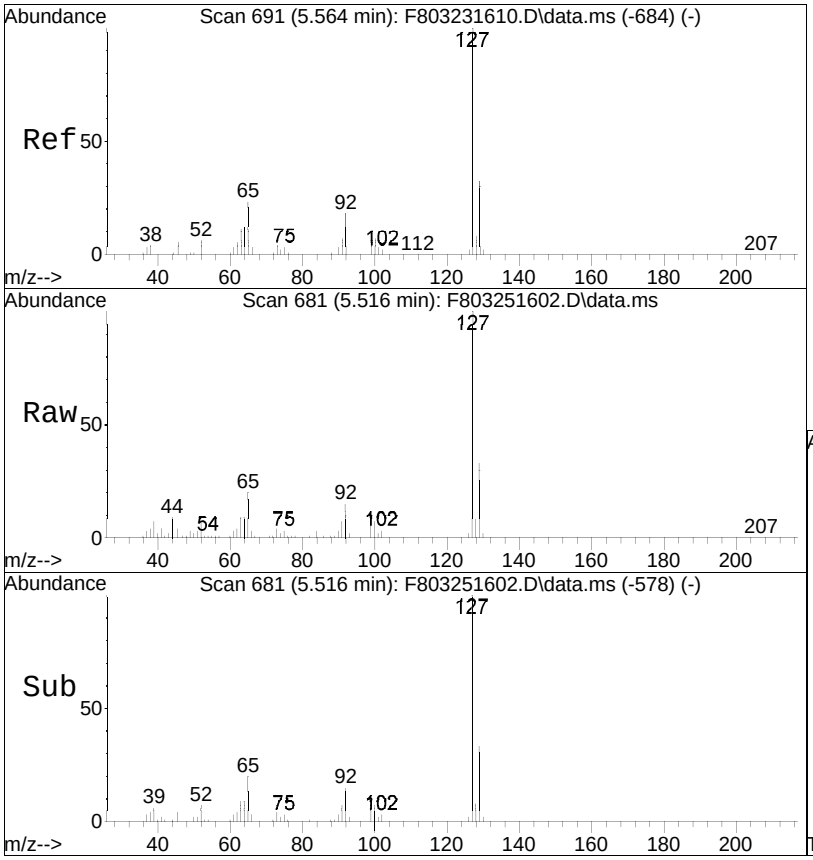


#31
Naphthalene
Concen: 0.57 ug/mL
RT: 5.930 min Scan# 767
Delta R.T. 0.000 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:128 Resp: 184564

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	12.4	10.0	15.0

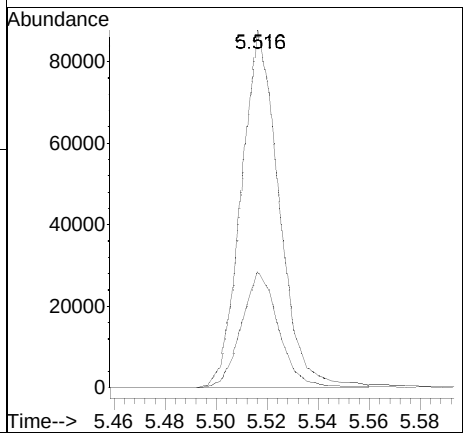


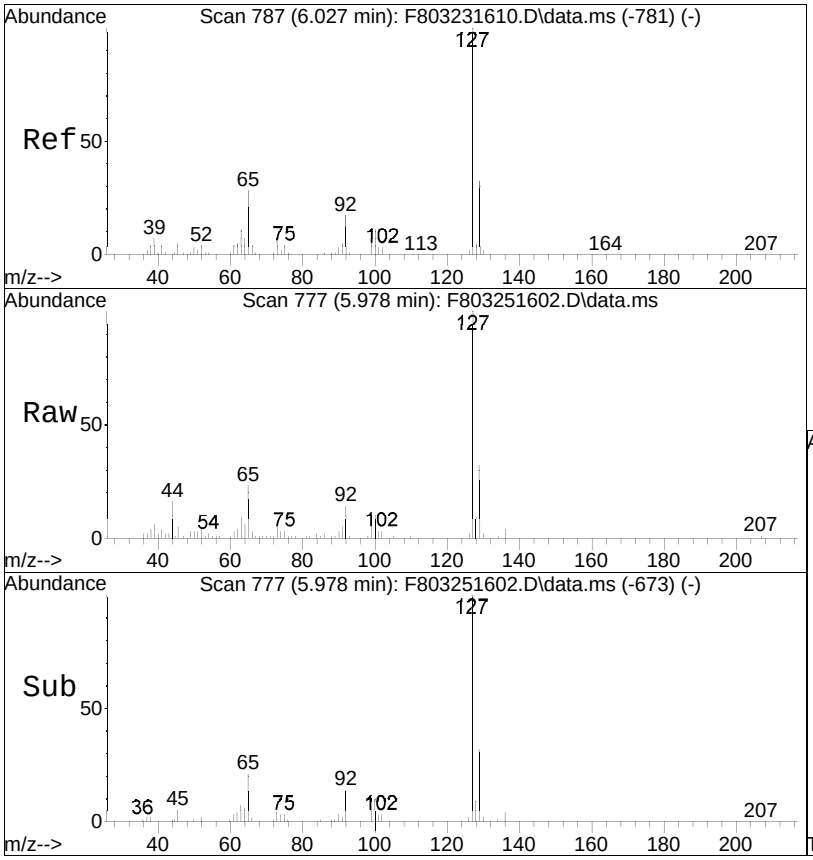


#32
2-Chloroaniline
Concen: 0.53 ug/ml
RT: 5.516 min Scan# 681
Delta R.T. -0.005 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:127 Resp: 89865

Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.2	39.4

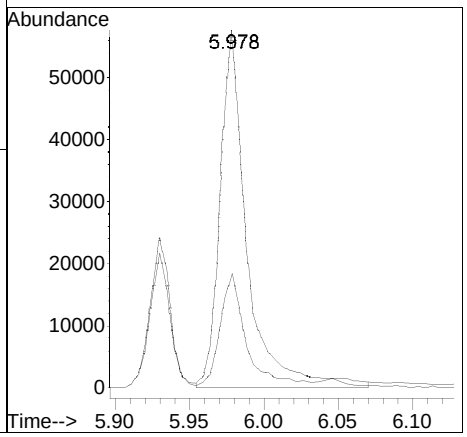


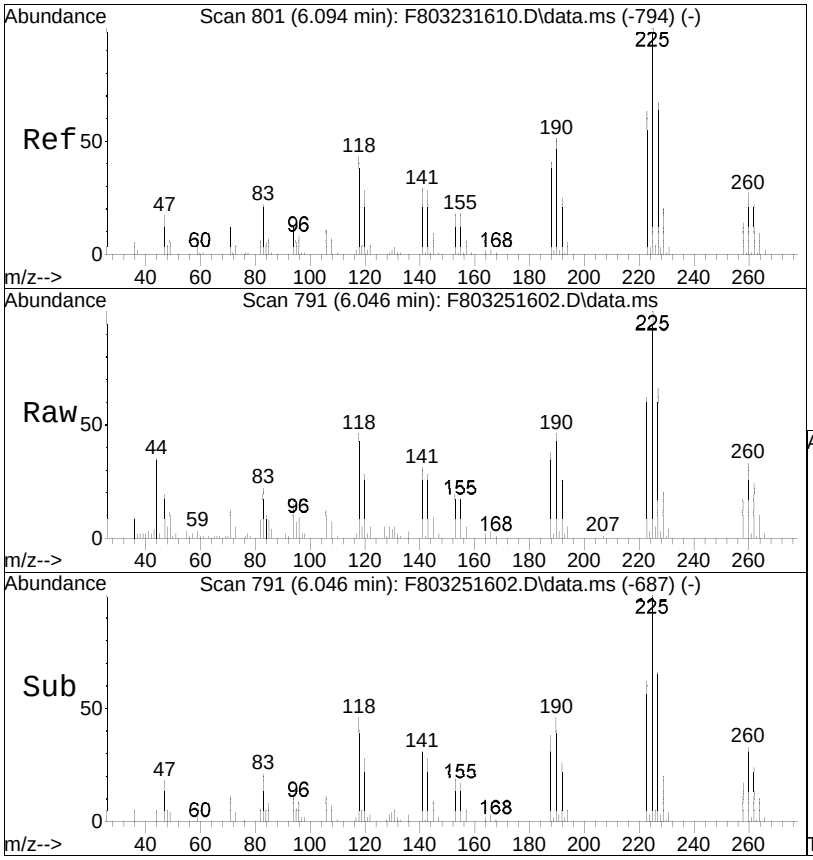


#33
4-Chloroaniline
Concen: 0.52 ug/mL M4
RT: 5.978 min Scan# 777
Delta R.T. 0.000 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:127 Resp: 72029

Ion	Ratio	Lower	Upper
127	100		
129	30.7	25.8	38.6

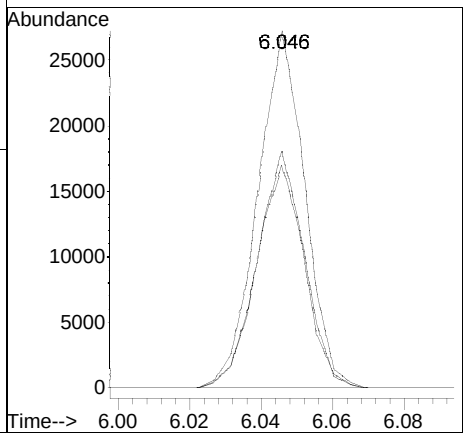


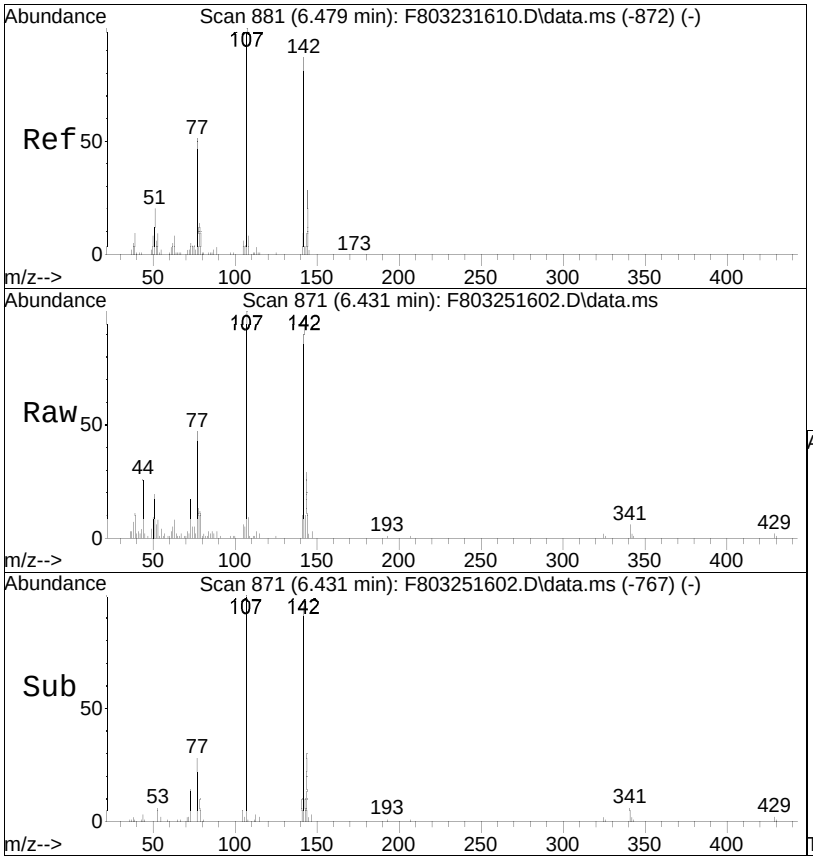


#34
Hexachlorobutadiene
Concen: 0.52 ug/mL
RT: 6.046 min Scan# 791
Delta R.T. -0.000 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:225 Resp: 24884

Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.8	76.2
227	66.3	51.1	76.7

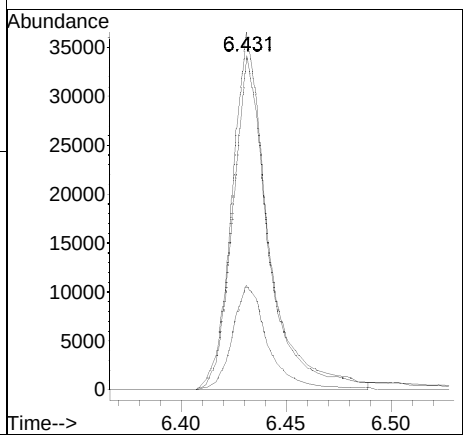


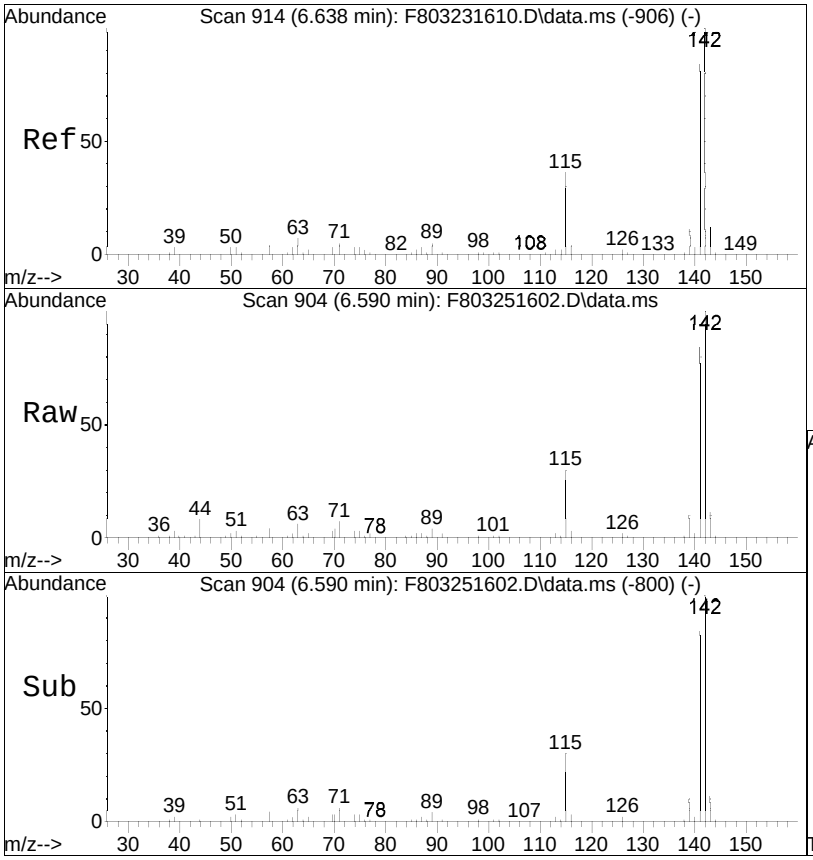


#36
4-Chloro-3-methylphenol
Concen: 0.49 ug/mL
RT: 6.431 min Scan# 871
Delta R.T. 0.000 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:107 Resp: 43781

Ion	Ratio	Lower	Upper
107	100		
144	29.0	24.3	36.5
142	92.4	74.4	111.6

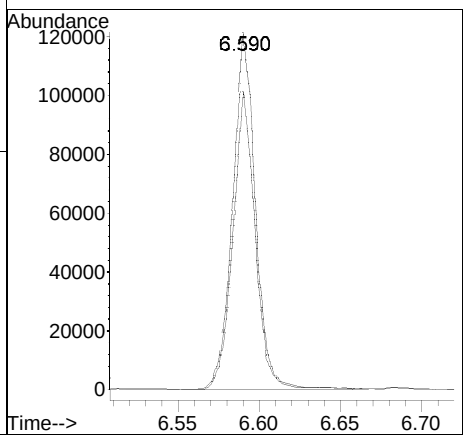


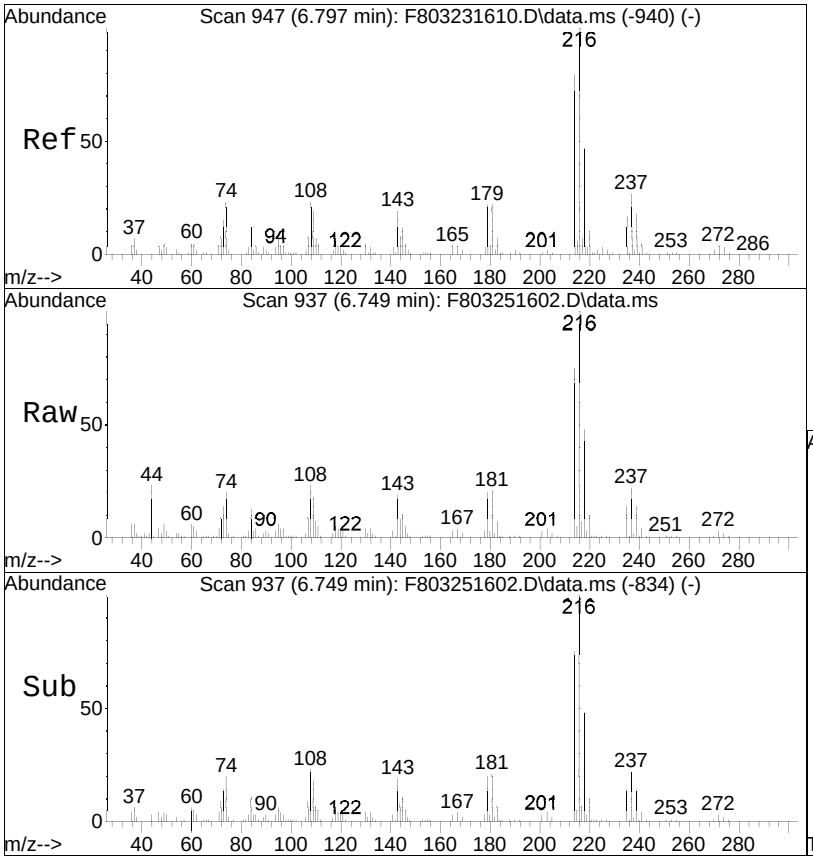


#37
2-Methylnaphthalene
Concen: 0.56 ug/mL
RT: 6.590 min Scan# 904
Delta R.T. -0.000 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:142 Resp: 117031

Ion	Ratio	Lower	Upper
142	100		
141	82.5	66.6	100.0

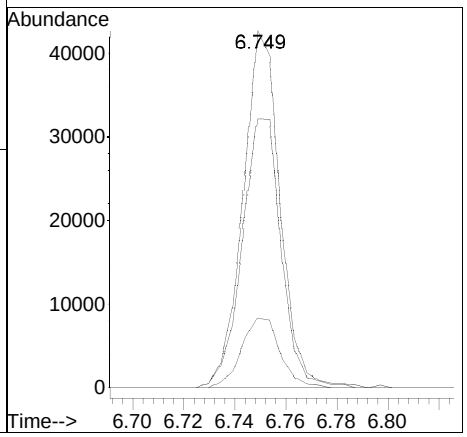


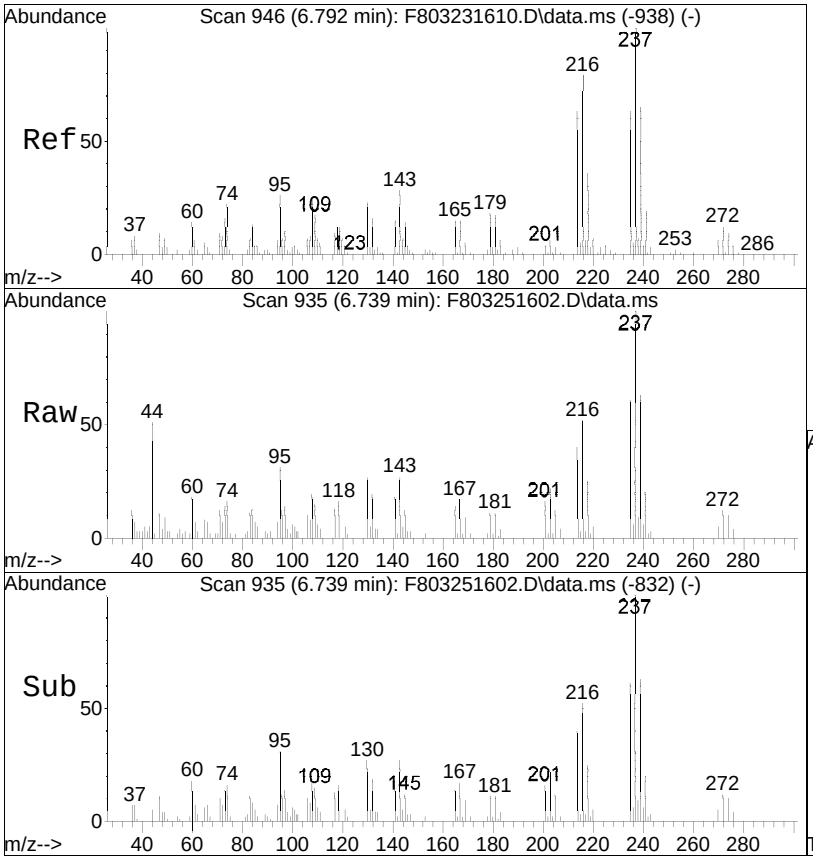


#39
1,2,4,5-Tetrachlorobenzene
Concen: 0.53 ug/mL
RT: 6.749 min Scan# 937
Delta R.T. -0.005 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:216 Resp: 43147

Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.0	94.6
179	20.5	16.2	24.4

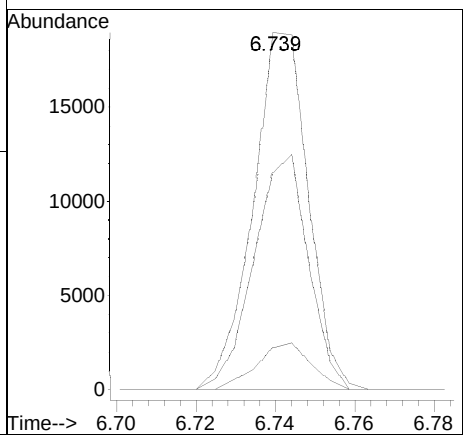


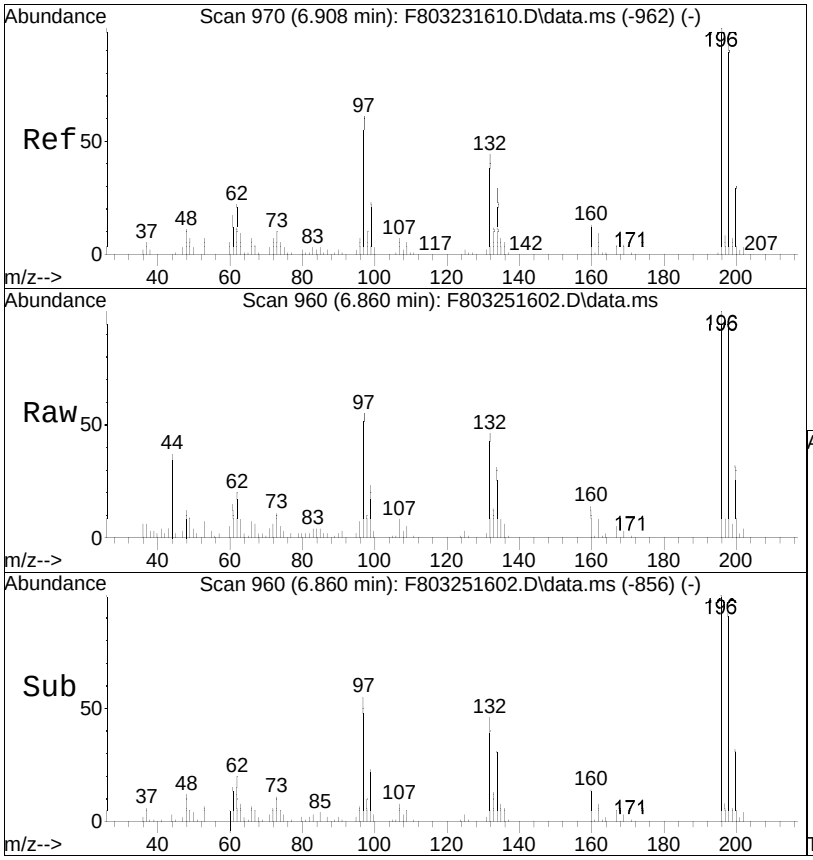


#40
Hexachlorocyclopentadiene
Concen: 0.42 ug/mL
RT: 6.739 min Scan# 935
Delta R.T. -0.005 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:237 Resp: 18322

Ion	Ratio	Lower	Upper
237	100		
235	64.8	53.3	79.9
272	13.0	10.9	16.3

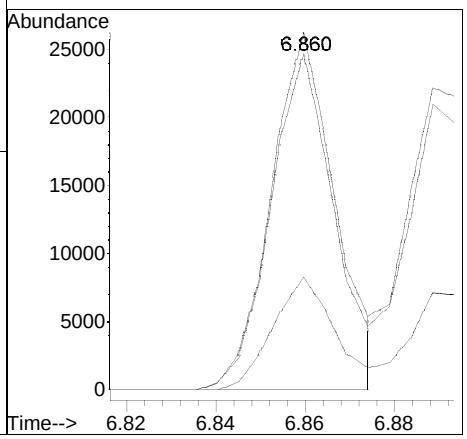


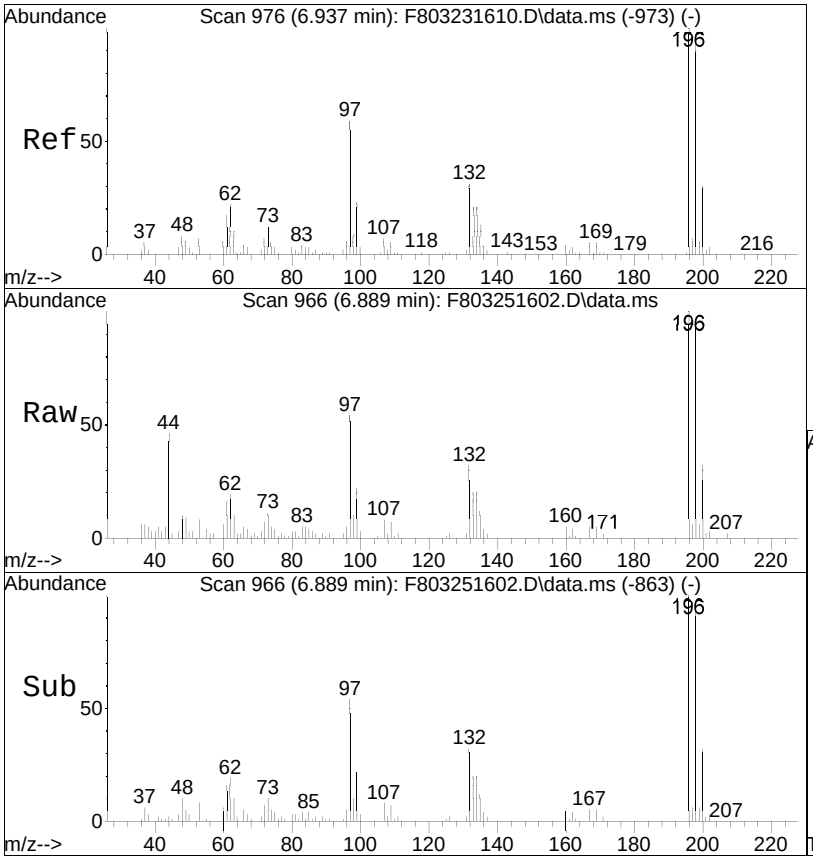


#41
2,4,6-Trichlorophenol
Concen: 0.42 ug/mL
RT: 6.860 min Scan# 960
Delta R.T. -0.000 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:196 Resp: 26284

Ion	Ratio	Lower	Upper
196	100		
198	93.3	73.6	110.4
200	30.5	23.5	35.3

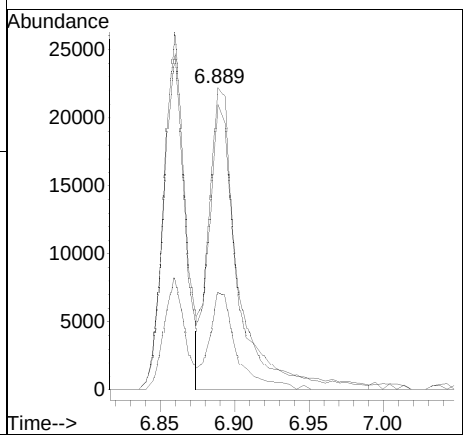


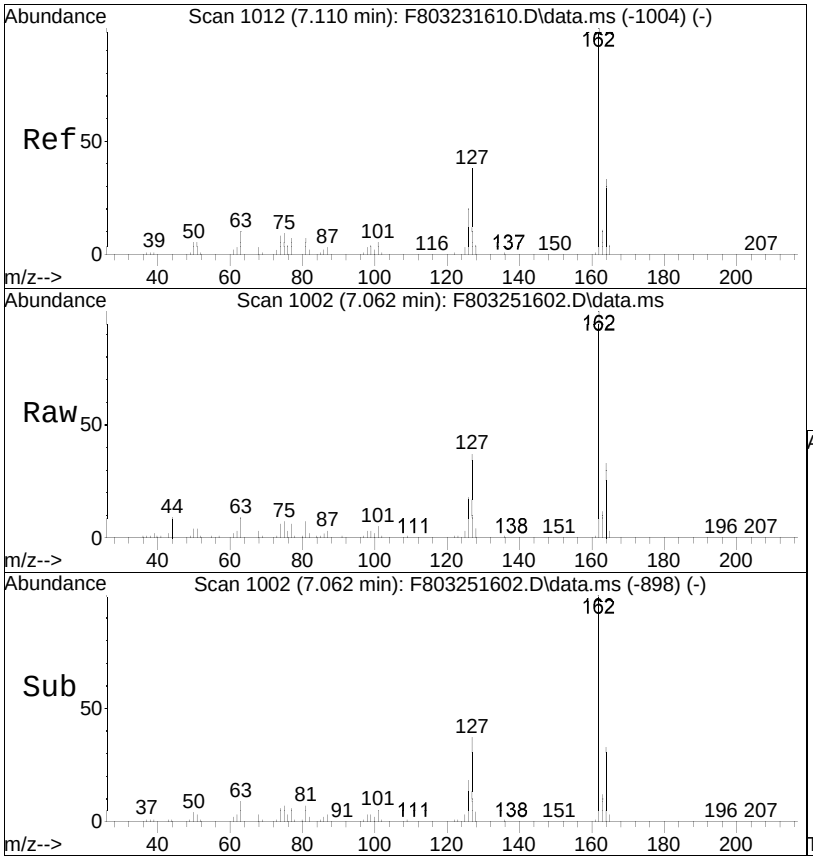


#42
2,4,5-Trichlorophenol
Concen: 0.50 ug/mL M4
RT: 6.889 min Scan# 966
Delta R.T. -0.004 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:196 Resp: 31135

Ion	Ratio	Lower	Upper
196	100		
198	84.7	73.2	109.8
200	29.0	23.9	35.9

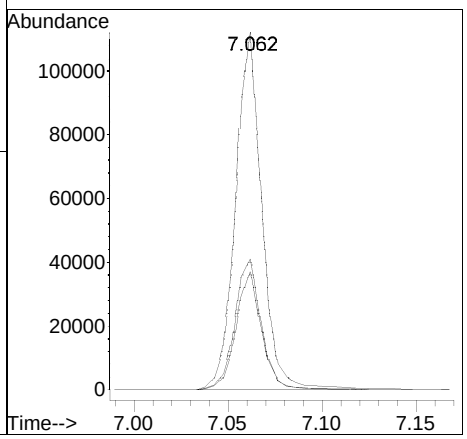


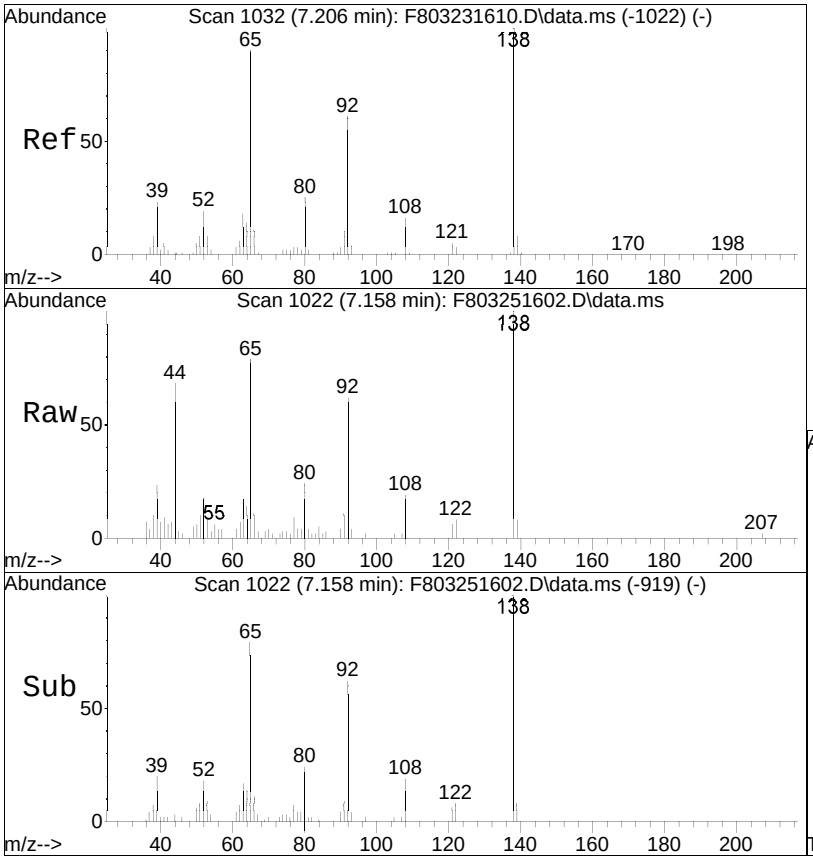


#45
2-Chloronaphthalene
Concen: 0.55 ug/mL
RT: 7.062 min Scan# 1002
Delta R.T. -0.000 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:162 Resp: 108321

Ion	Ratio	Lower	Upper
162	100		
164	32.5	26.4	39.6
127	36.5	30.2	45.2

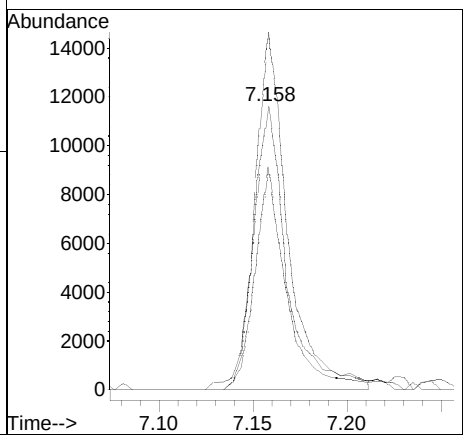


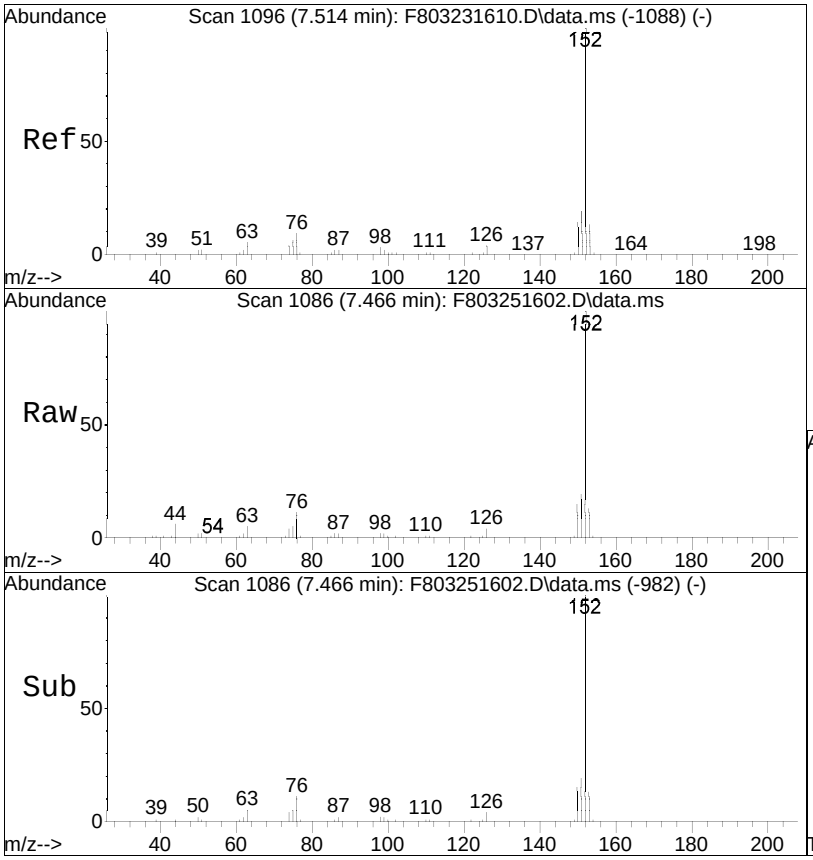


#46
2-Nitroaniline
Concen: 0.35 ug/mL M4
RT: 7.158 min Scan# 1022
Delta R.T. -0.005 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion: 65 Resp: 14567

Ion	Ratio	Lower	Upper
65	100		
92	73.7	61.0	91.4
138	120.7	122.0	183.0#

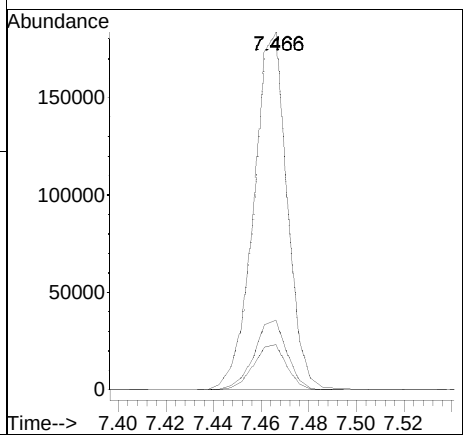


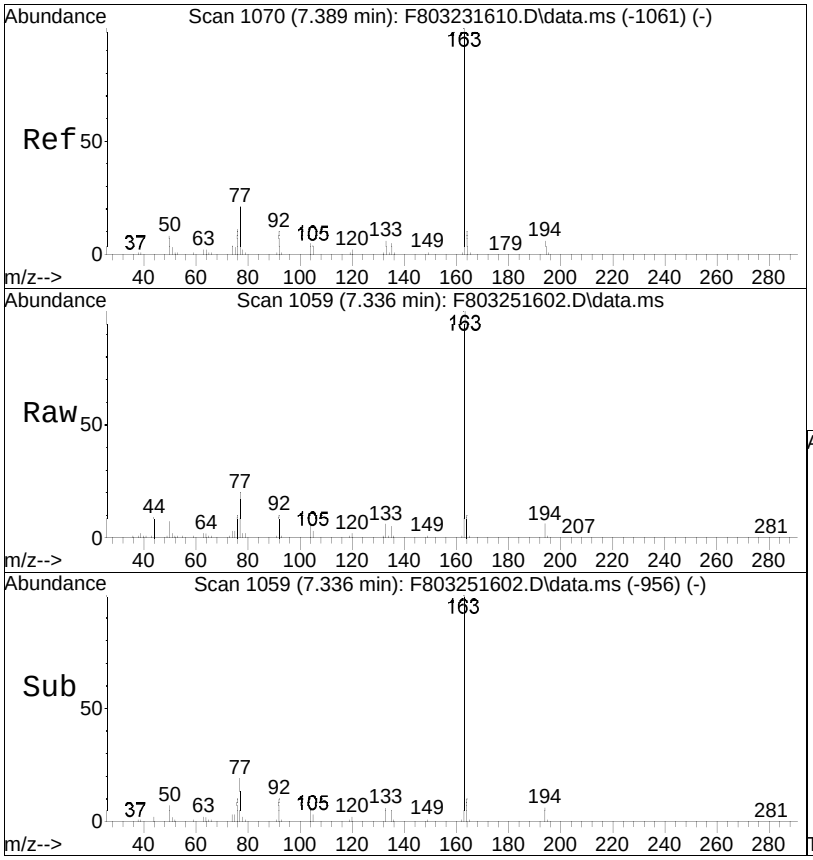


#47
Acenaphthylene
Concen: 0.55 ug/mL
RT: 7.466 min Scan# 1086
Delta R.T. 0.000 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:152 Resp: 177902

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.8	23.8
153	12.9	10.6	16.0

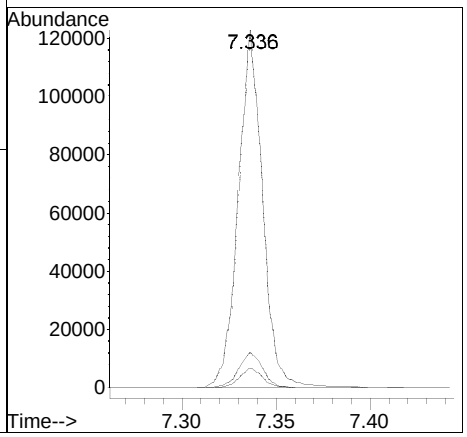


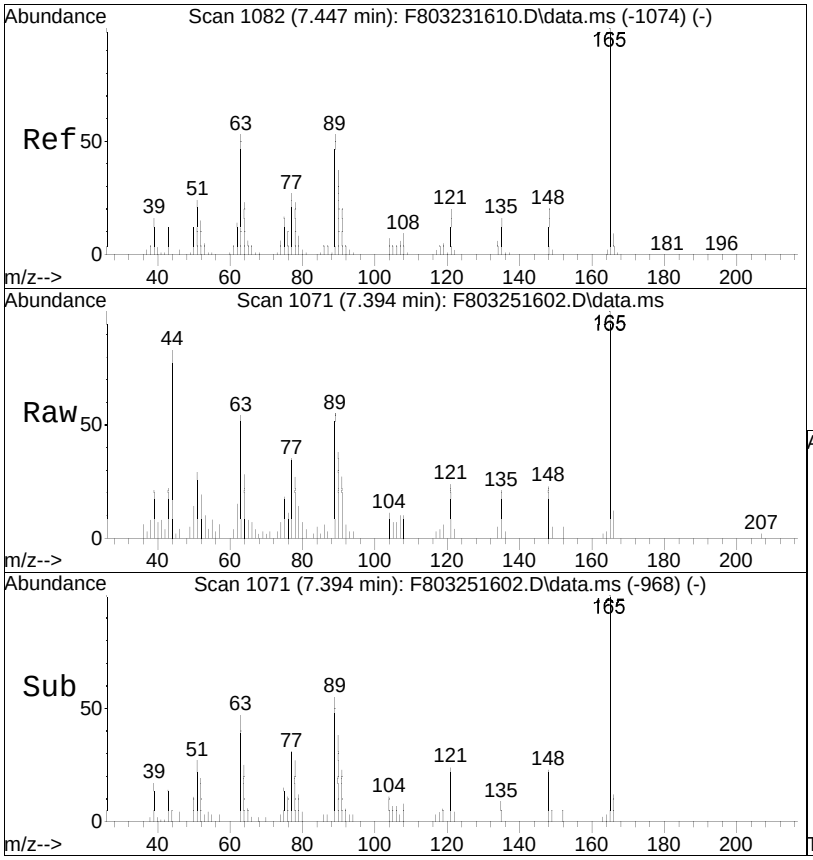


#48
Dimethylphthalate
Concen: 0.51 ug/mL
RT: 7.336 min Scan# 1059
Delta R.T. -0.005 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:163 Resp: 109184

Ion	Ratio	Lower	Upper
163	100		
194	5.4	4.4	6.6
164	10.0	8.3	12.5

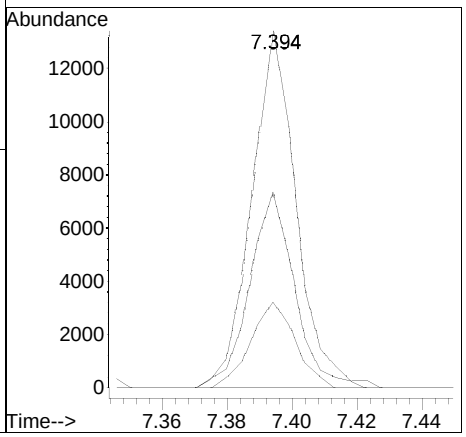


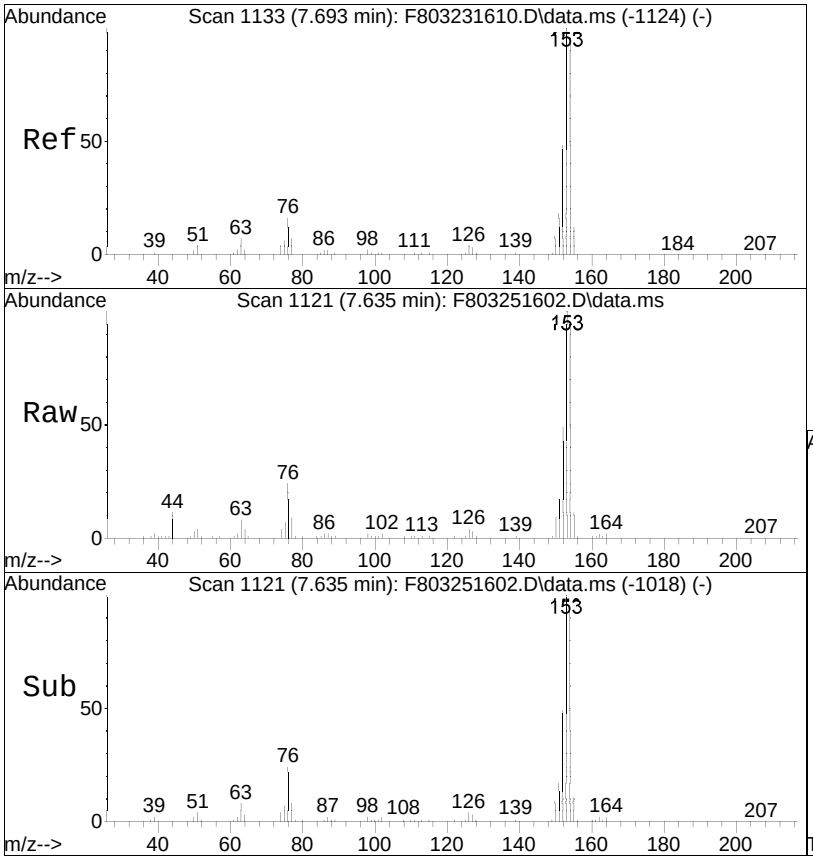


#49
2,6-Dinitrotoluene
Concen: 0.60 ug/mL
RT: 7.394 min Scan# 1071
Delta R.T. -0.005 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:165 Resp: 12695

Ion	Ratio	Lower	Upper
165	100		
89	56.2	40.5	60.7
121	24.3	16.6	25.0

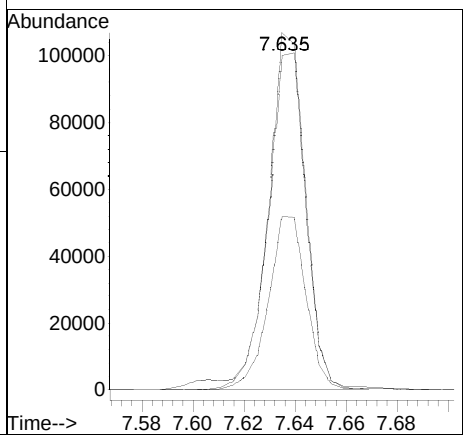


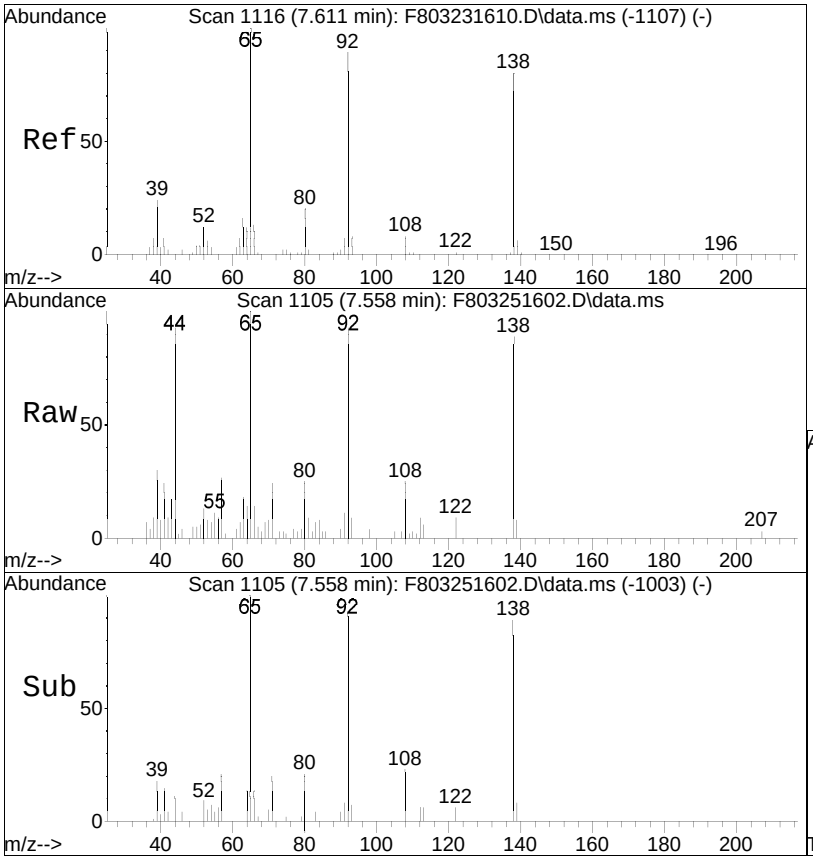


#50
Acenaphthene
Concen: 0.55 ug/mL
RT: 7.635 min Scan# 1121
Delta R.T. -0.005 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:153 Resp: 107550

Ion	Ratio	Lower	Upper
153	100		
154	93.9	75.4	113.0
152	49.9	39.3	58.9

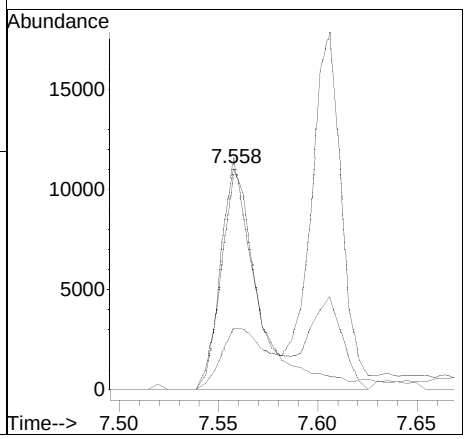


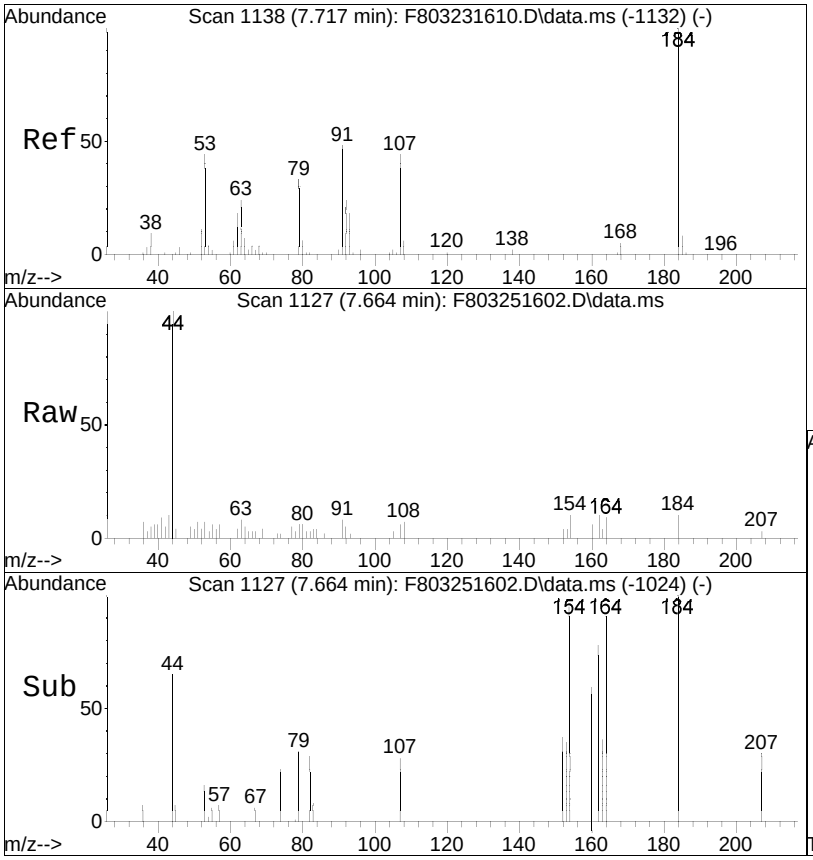


#51
3-Nitroaniline
Concen: 0.59 ug/mL
RT: 7.558 min Scan# 1105
Delta R.T. -0.009 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:138 Resp: 14652

Ion	Ratio	Lower	Upper
138	100		
108	34.8	8.9	13.3#
92	92.9	72.2	108.4

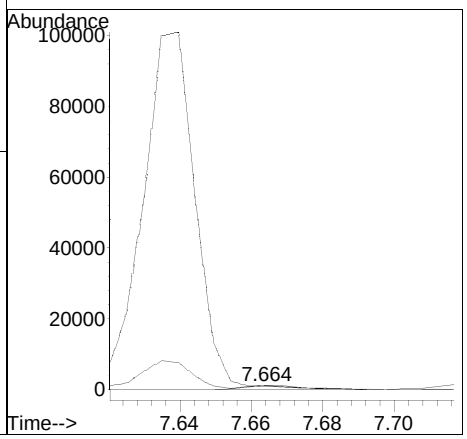


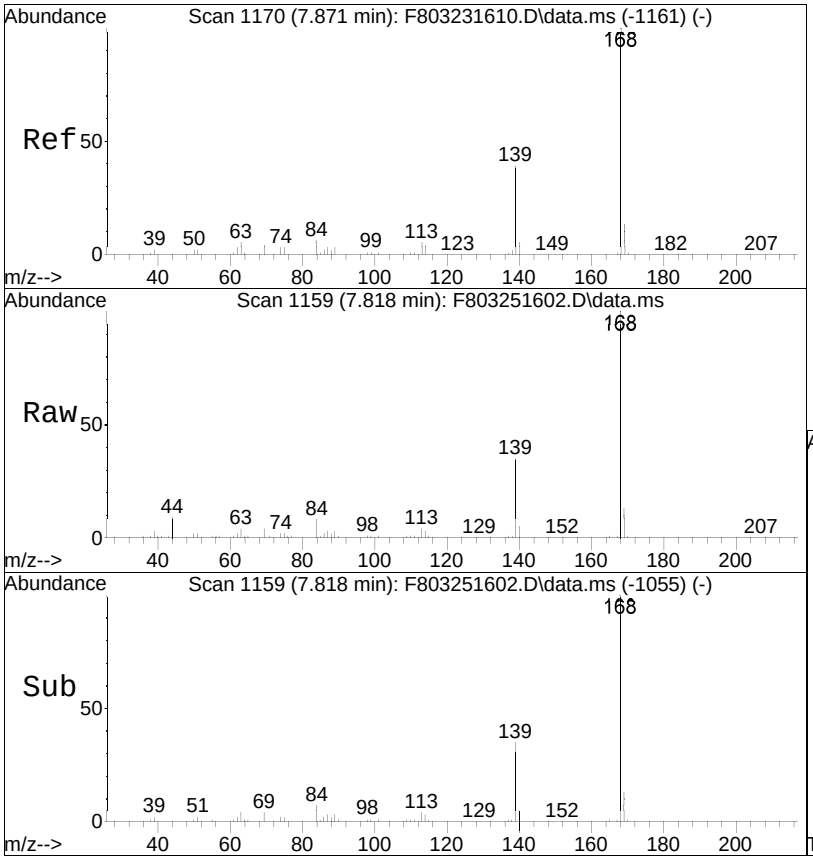


#52
2,4-Dinitrophenol
Concen: 1.78 ug/mL M4
RT: 7.664 min Scan# 1127
Delta R.T. -0.005 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:184 Resp: 1445

Ion	Ratio	Lower	Upper
184	100		
63	86.1	43.8	65.6#
154	0.0	37.1	55.7#

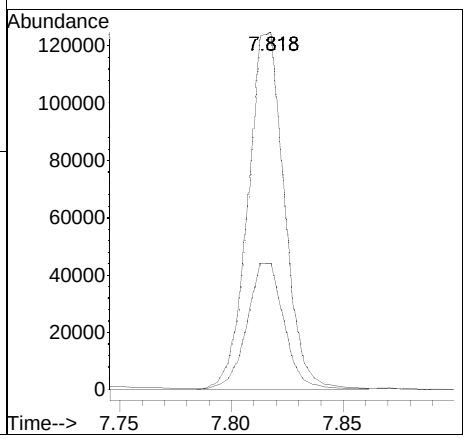


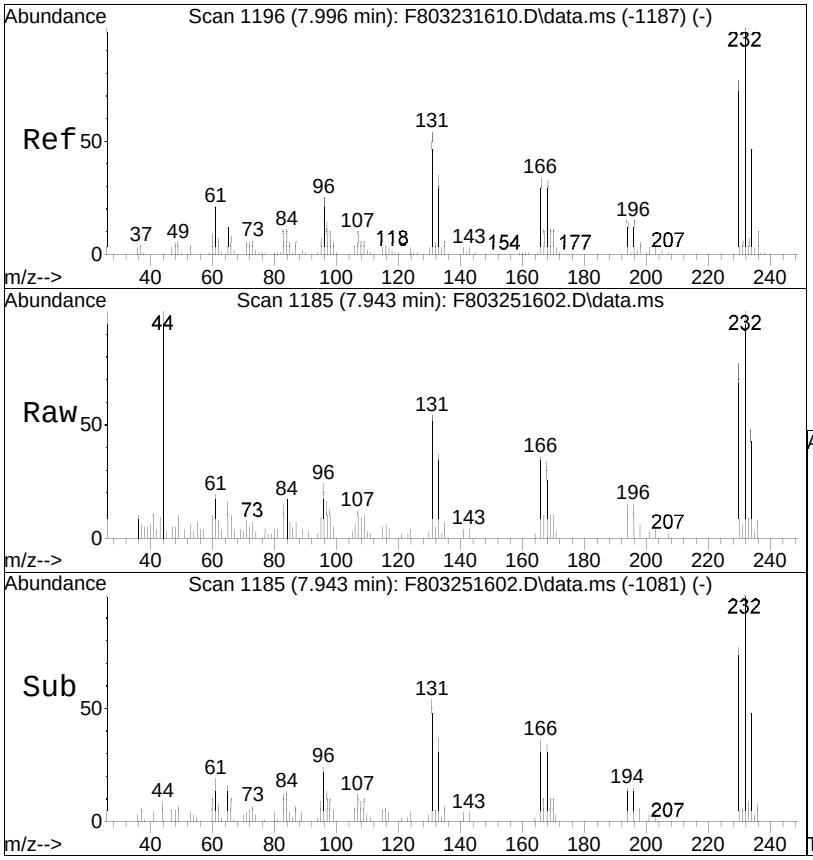


#53
Dibenzofuran
Concen: 0.56 ug/mL
RT: 7.818 min Scan# 1159
Delta R.T. -0.000 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:168 Resp: 140441

Ion	Ratio	Lower	Upper
168	100		
139	36.4	28.8	43.2

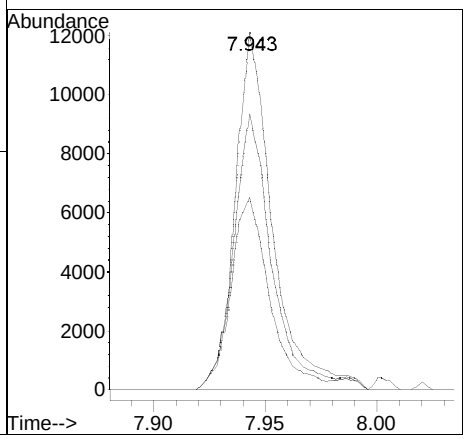


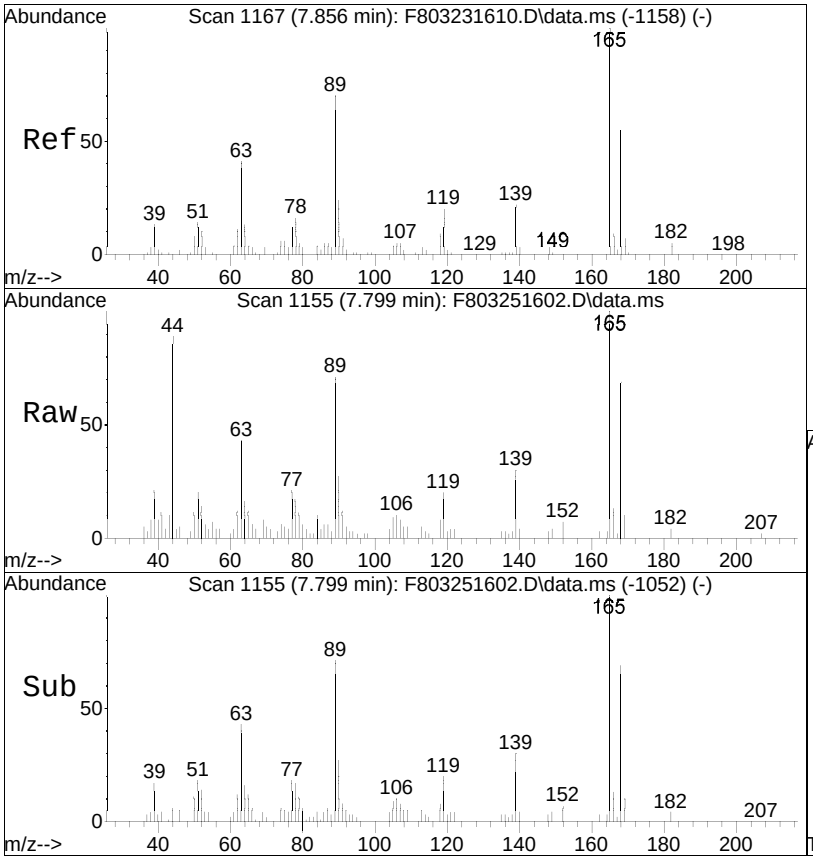


#54
2,3,4,6-Tetrachlorophenol
Concen: 0.36 ug/mL
RT: 7.943 min Scan# 1185
Delta R.T. 0.000 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:232 Resp: 14106

Ion	Ratio	Lower	Upper
232	100		
131	55.8	43.1	64.7
230	77.5	63.0	94.6

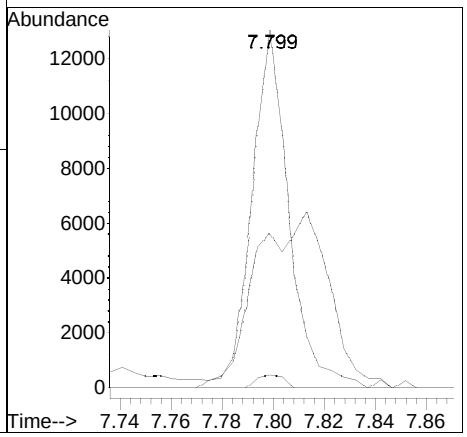


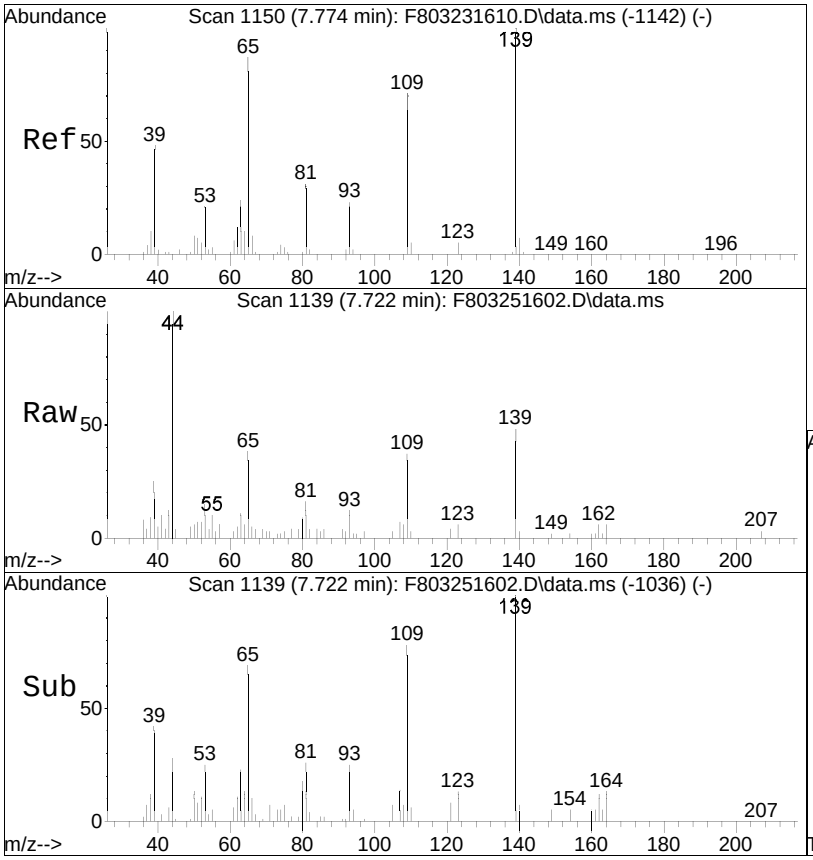


#55
2,4-Dinitrotoluene
Concen: 0.64 ug/mL
RT: 7.799 min Scan# 1155
Delta R.T. -0.004 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:165 Resp: 13129

Ion	Ratio	Lower	Upper
165	100		
63	43.4	30.9	46.3
182	2.7	3.5	5.3#

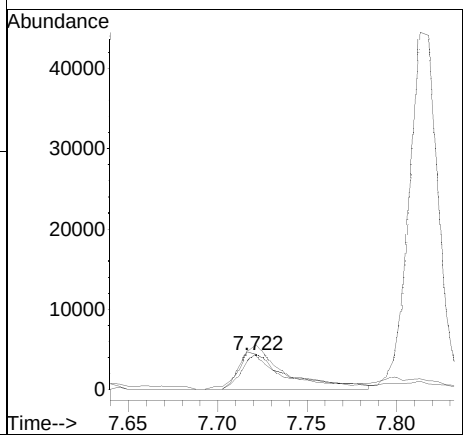


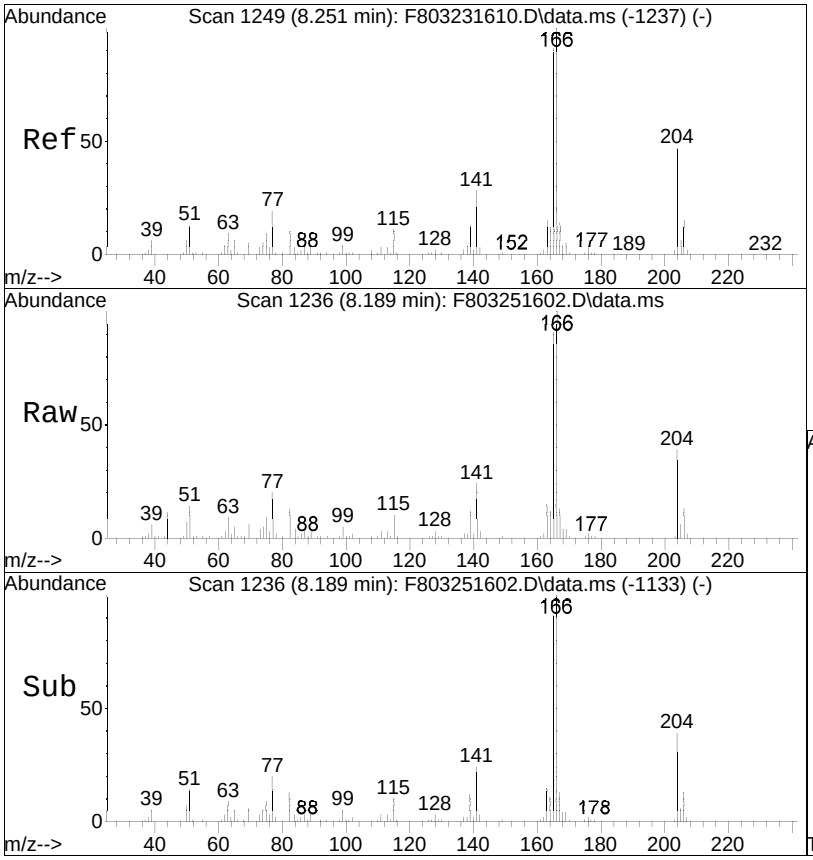


#56
4-Nitrophenol
Concen: 1.26 ug/mL M4
RT: 7.722 min Scan# 1139
Delta R.T. -0.004 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:109 Resp: 7758

Ion	Ratio	Lower	Upper
109	100		
139	120.2	149.7	224.5#
65	108.2	107.3	160.9

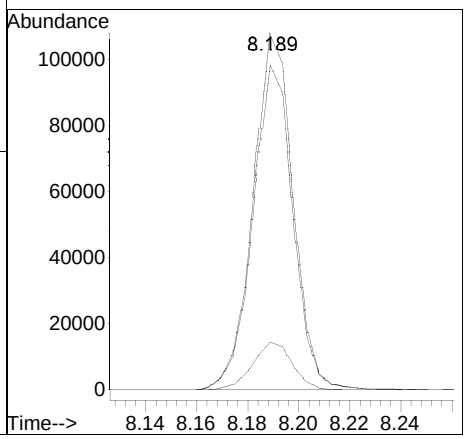


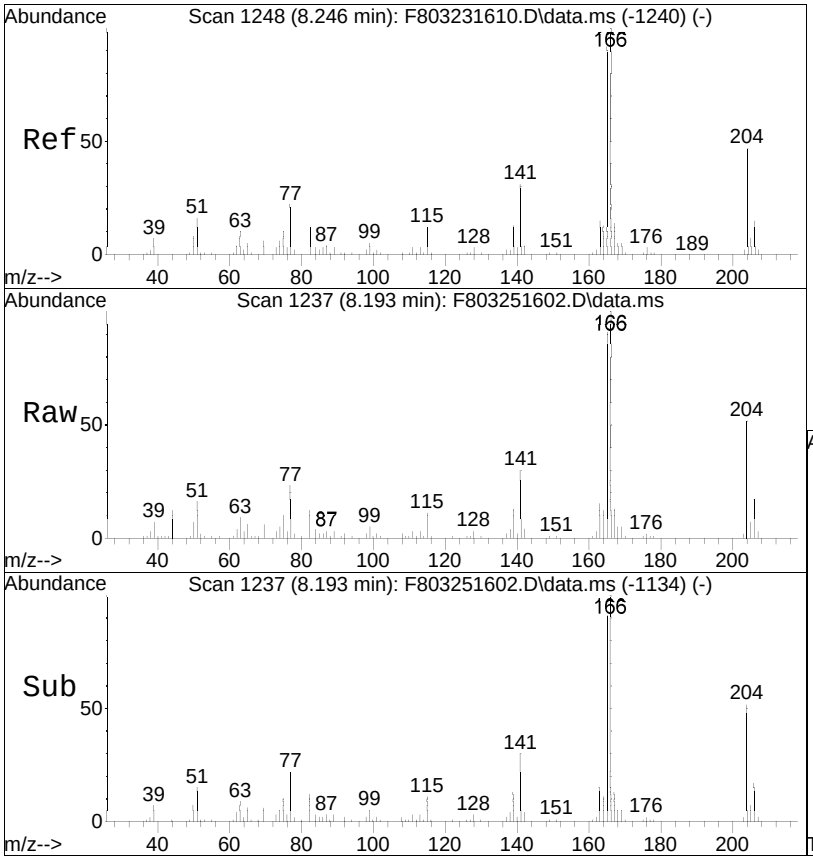


#57
Fluorene
Concen: 0.57 ug/mL
RT: 8.189 min Scan# 1236
Delta R.T. -0.004 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:166 Resp: 117686

Ion	Ratio	Lower	Upper
166	100		
165	91.5	72.9	109.3
167	13.4	10.9	16.3

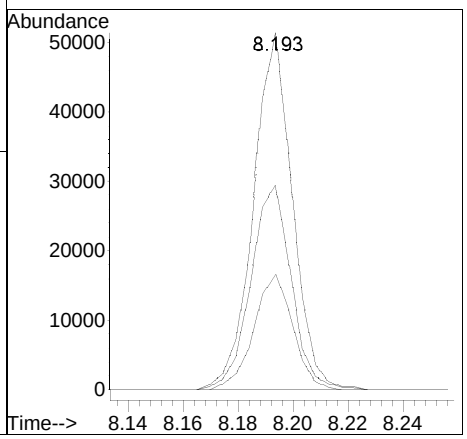


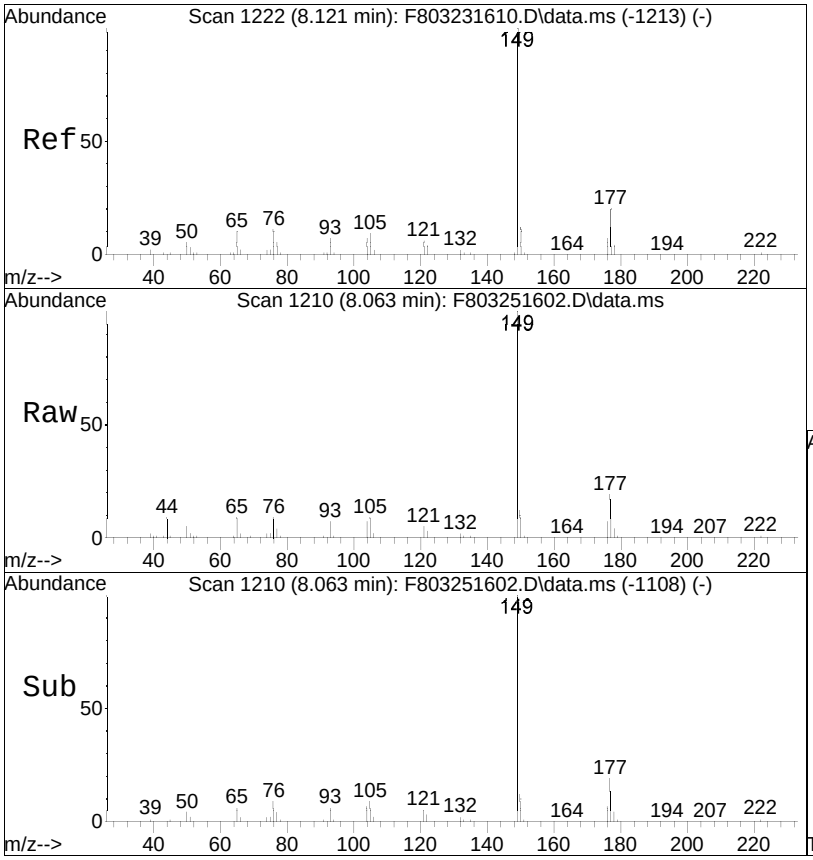


#58
4-Chlorophenyl-phenylether
Concen: 0.57 ug/mL
RT: 8.193 min Scan# 1237
Delta R.T. -0.005 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:204 Resp: 50524

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.9	38.9
141	59.6	46.2	69.4

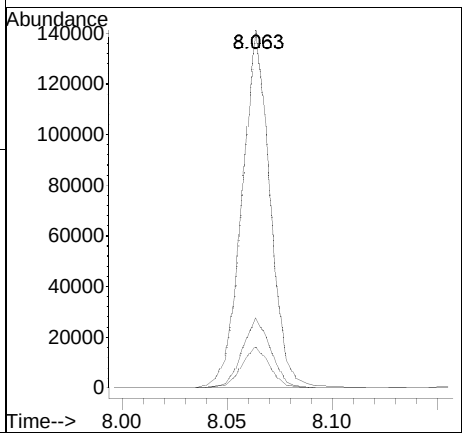


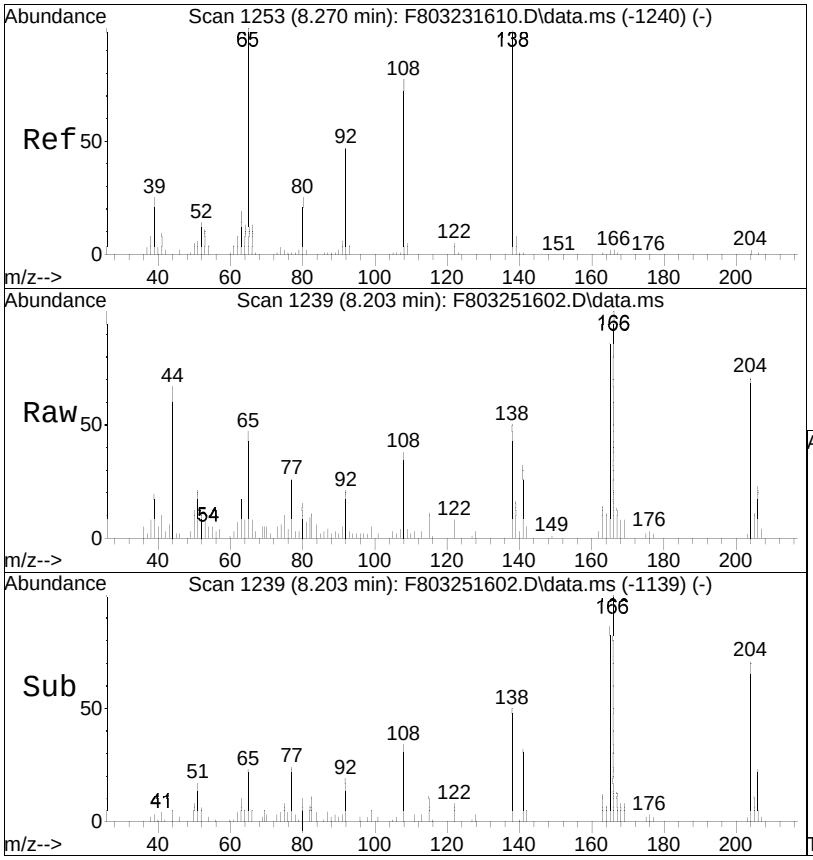


#59
Diethylphthalate
Concen: 0.58 ug/mL
RT: 8.063 min Scan# 1210
Delta R.T. -0.010 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:149 Resp: 130399

Ion	Ratio	Lower	Upper
149	100		
177	20.0	16.6	24.8
150	11.7	9.8	14.6

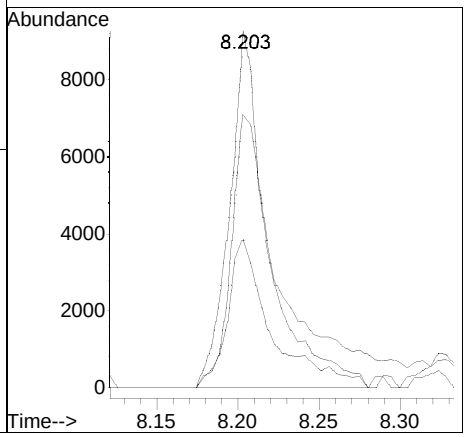


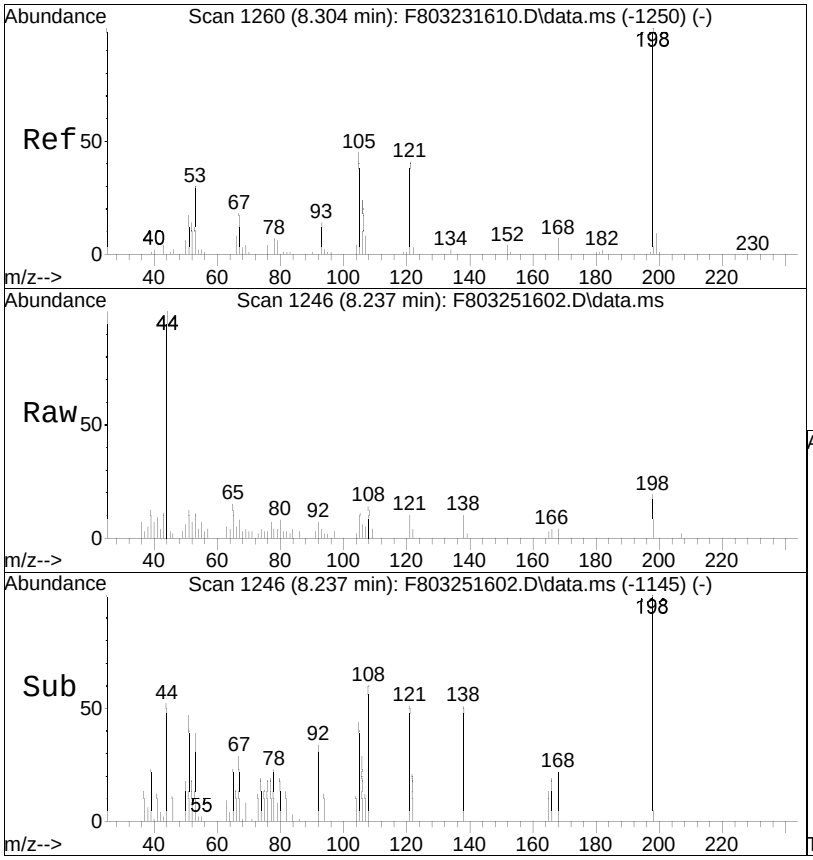


#60
4-Nitroaniline
Concen: 0.59 ug/mL
RT: 8.203 min Scan# 1239
Delta R.T. -0.019 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:138 Resp: 15352

Ion	Ratio	Lower	Upper
138	100		
92	40.4	32.7	49.1
108	100.3	45.8	68.6#

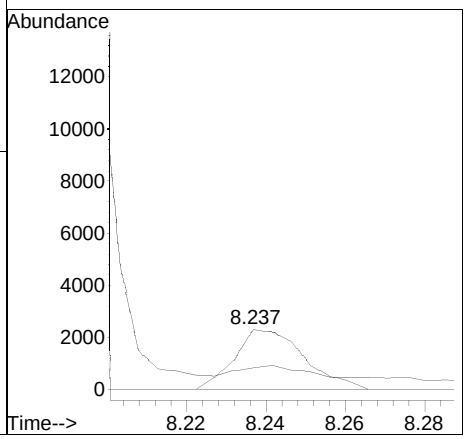


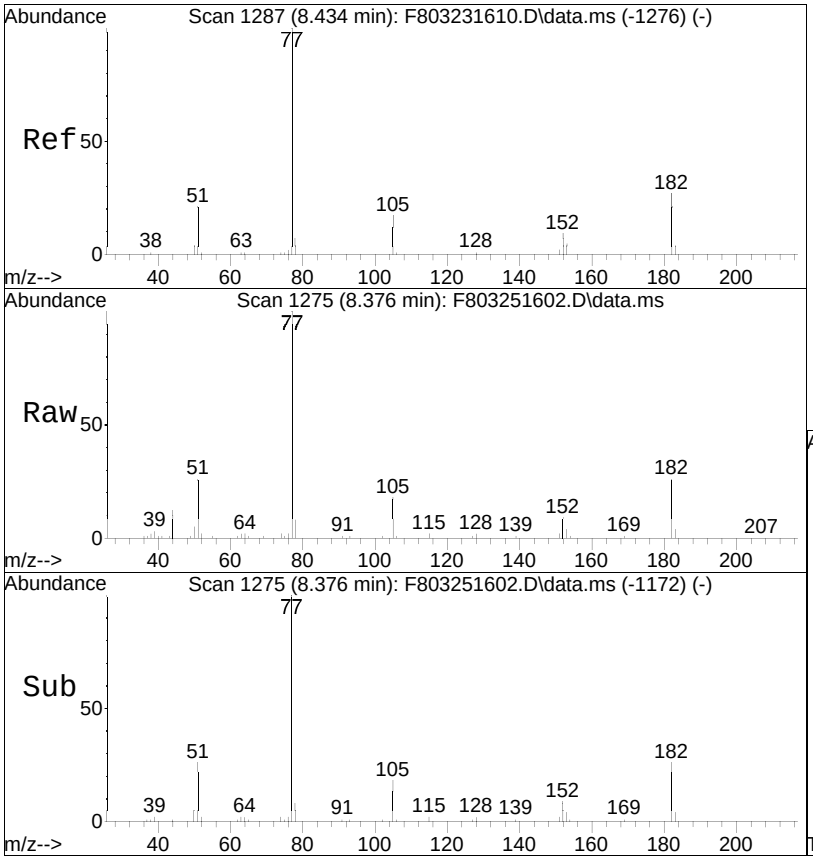


#62
4,6-Dinitro-2-methylphenol
Concen: 1.47 ug/mL
RT: 8.237 min Scan# 1246
Delta R.T. -0.014 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:198 Resp: 2824

Ion	Ratio	Lower	Upper
198	100		
182	0.0	2.2	3.2#
77	0.0	16.8	25.2#

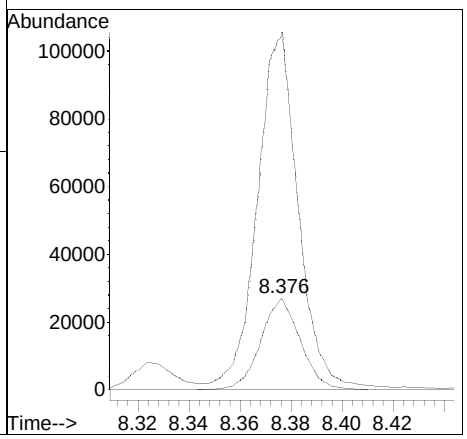


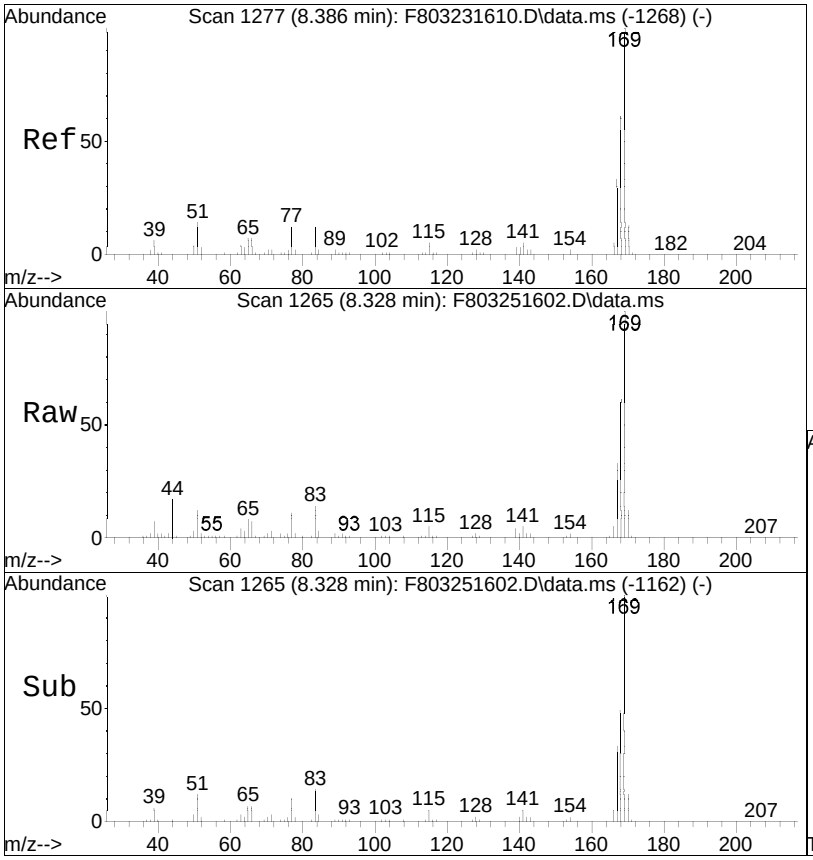


#63
Azobenzene
Concen: 0.51 ug/mL
RT: 8.376 min Scan# 1275
Delta R.T. -0.005 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:182 Resp: 29221

Ion	Ratio	Lower	Upper
182	100		
77	392.8	54.9	631.7

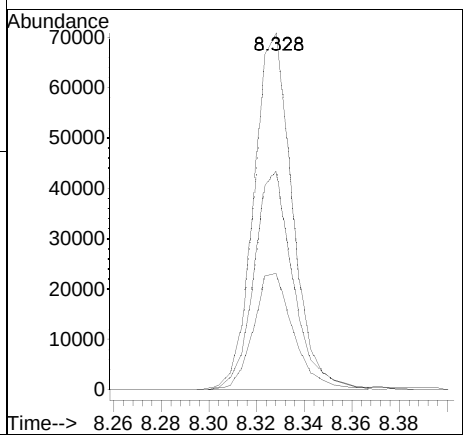


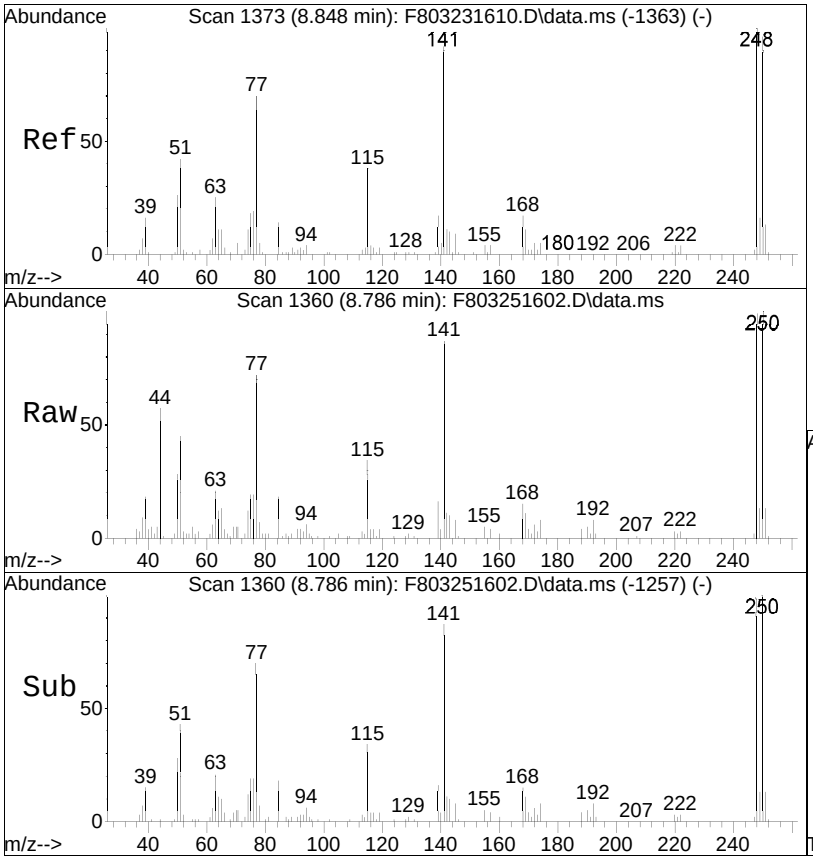


#64
n-Nitrosodiphenylamine
Concen: 0.53 ug/mL
RT: 8.328 min Scan# 1265
Delta R.T. -0.005 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:169 Resp: 79812

Ion	Ratio	Lower	Upper
169	100		
168	62.9	49.4	74.2
167	34.3	26.7	40.1

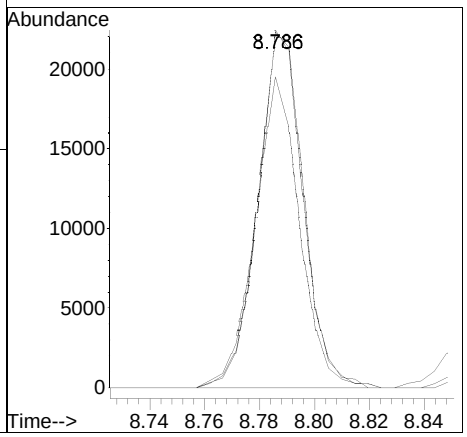


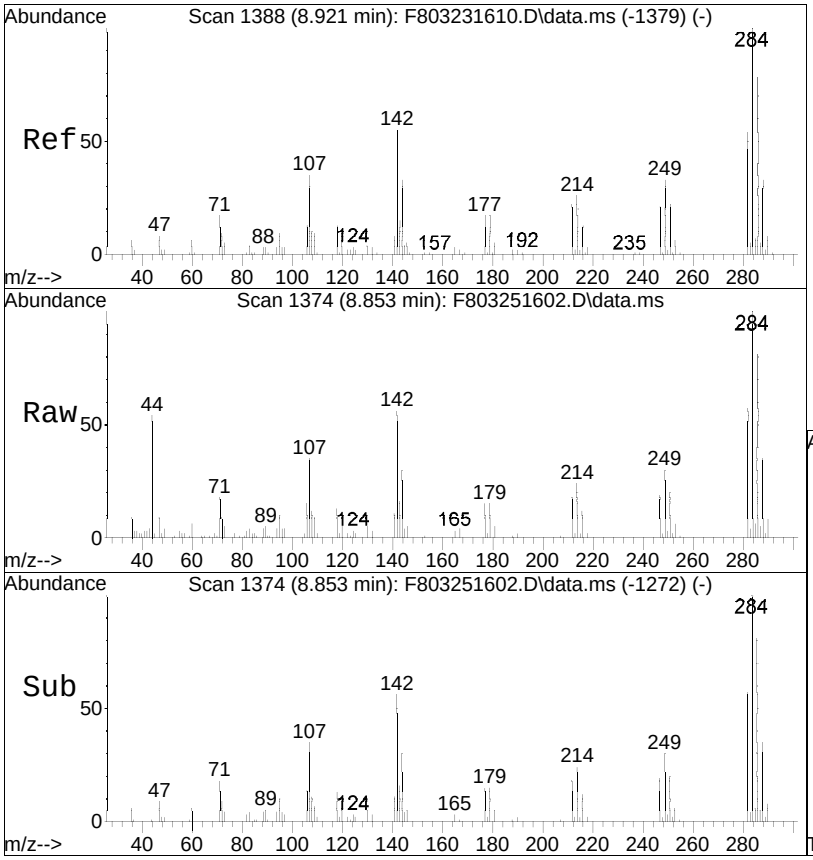


#66
4-Bromophenyl-phenylether
Concen: 0.49 ug/mL
RT: 8.786 min Scan# 1360
Delta R.T. -0.004 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:248 Resp: 25708

Ion	Ratio	Lower	Upper
248	100		
250	98.0	77.3	115.9
141	85.1	61.7	92.5

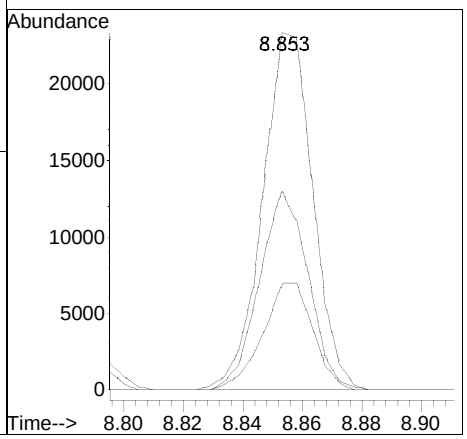


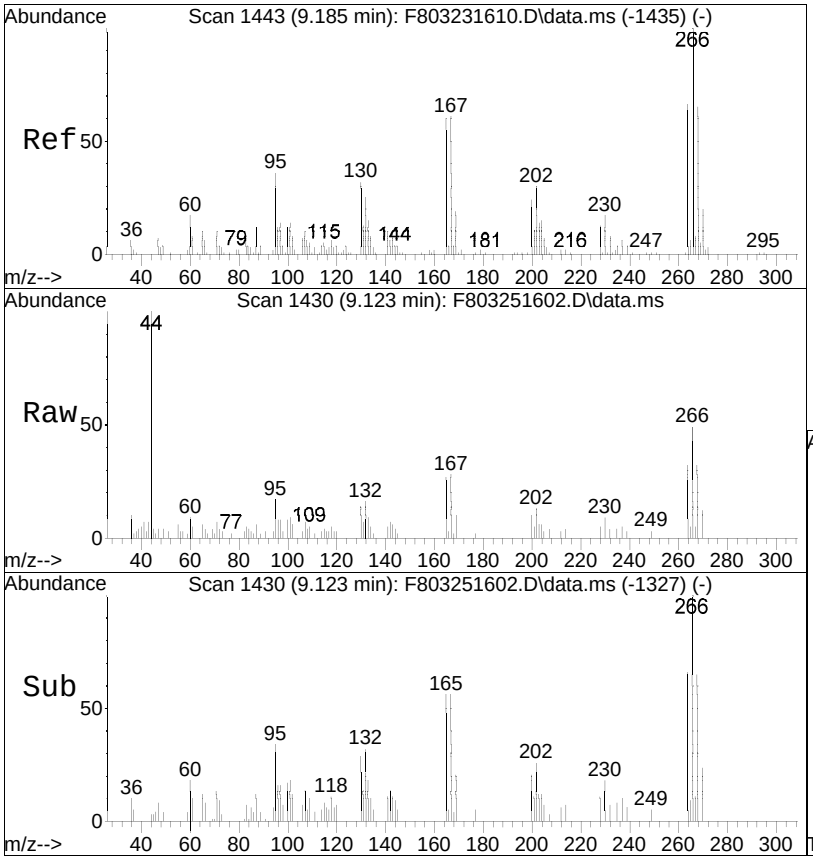


#67
Hexachlorobenzene
Concen: 0.51 ug/mL
RT: 8.853 min Scan# 1374
Delta R.T. -0.010 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:284 Resp: 27346

Ion	Ratio	Lower	Upper
284	100		
142	54.1	37.8	56.6
249	30.0	24.8	37.2

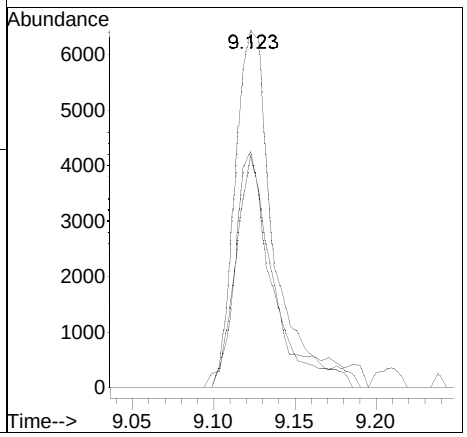


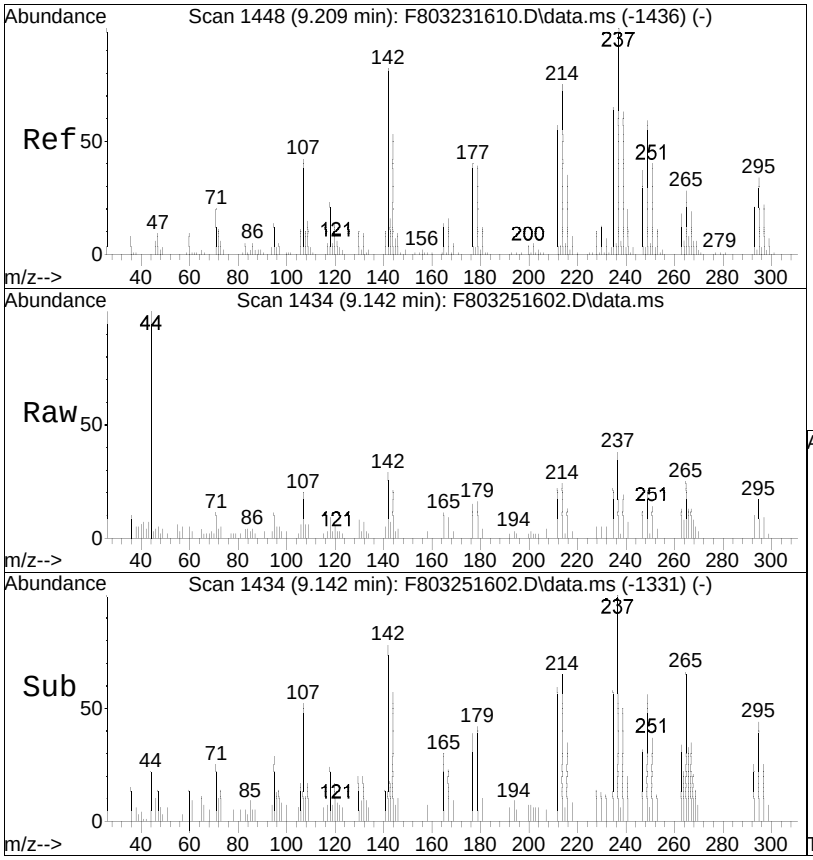


#69
Pentachlorophenol
Concen: 1.08 ug/mL M4
RT: 9.123 min Scan# 1430
Delta R.T. -0.005 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:266 Resp: 10993

Ion	Ratio	Lower	Upper
266	100		
264	60.4	49.7	74.5
268	56.9	48.1	72.1

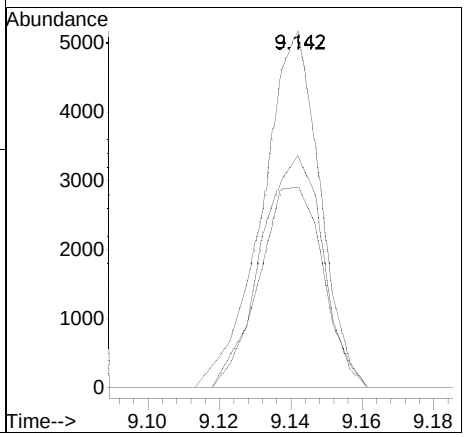


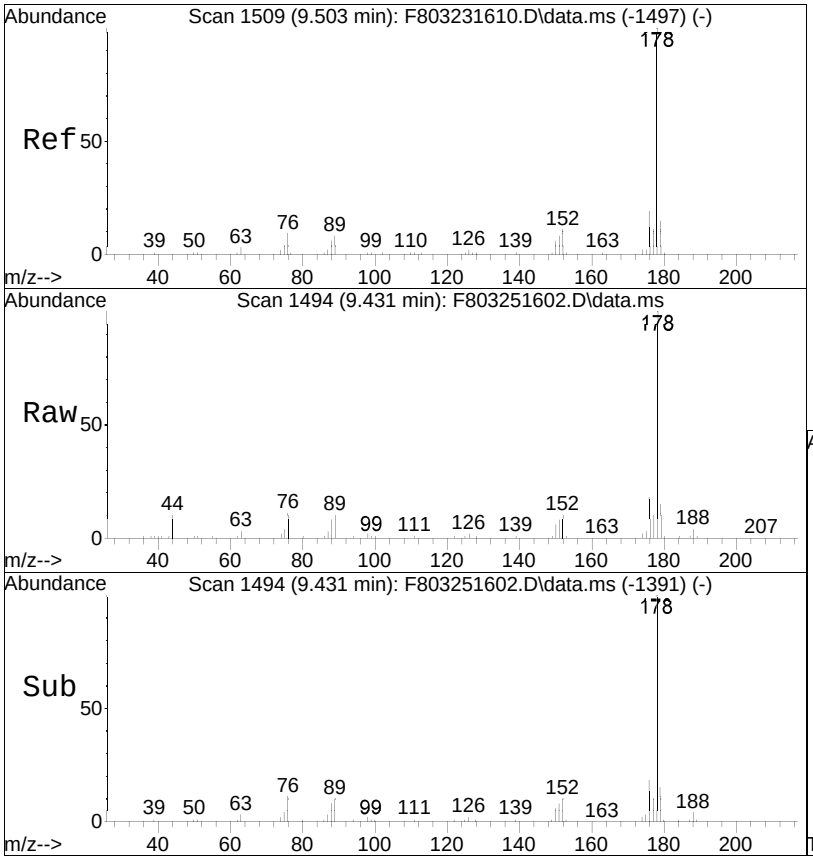


#70
Pentachloronitrobenzene
Concen: 0.56 ug/ml
RT: 9.142 min Scan# 1434
Delta R.T. -0.005 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:237 Resp: 5800

Ion	Ratio	Lower	Upper
237	100		
214	69.9	63.4	95.2
249	62.3	54.9	82.3

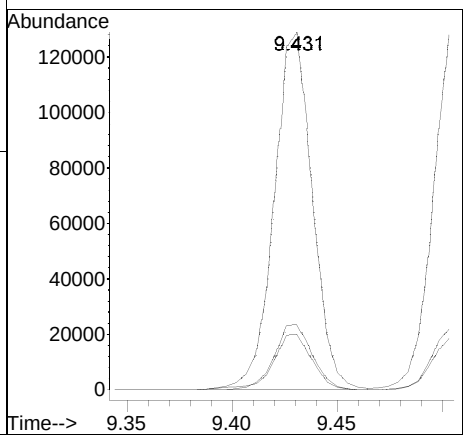


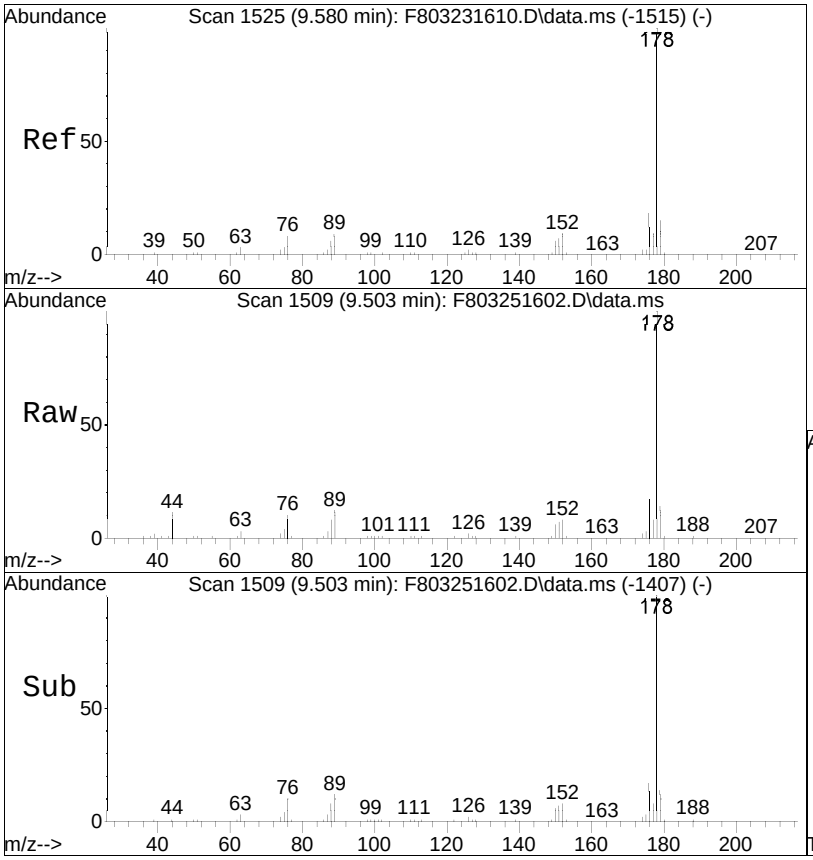


#71
Phenanthrene
Concen: 0.54 ug/mL
RT: 9.431 min Scan# 1494
Delta R.T. -0.005 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:178 Resp: 163001

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.4	18.6
176	18.2	15.0	22.6

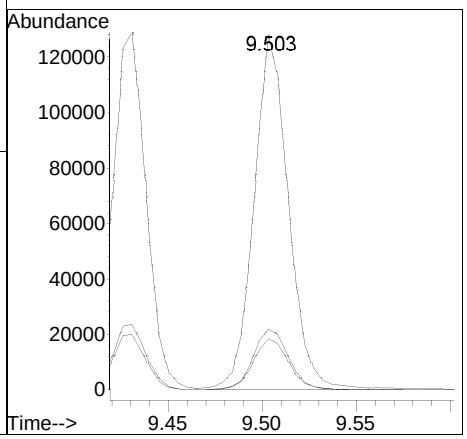


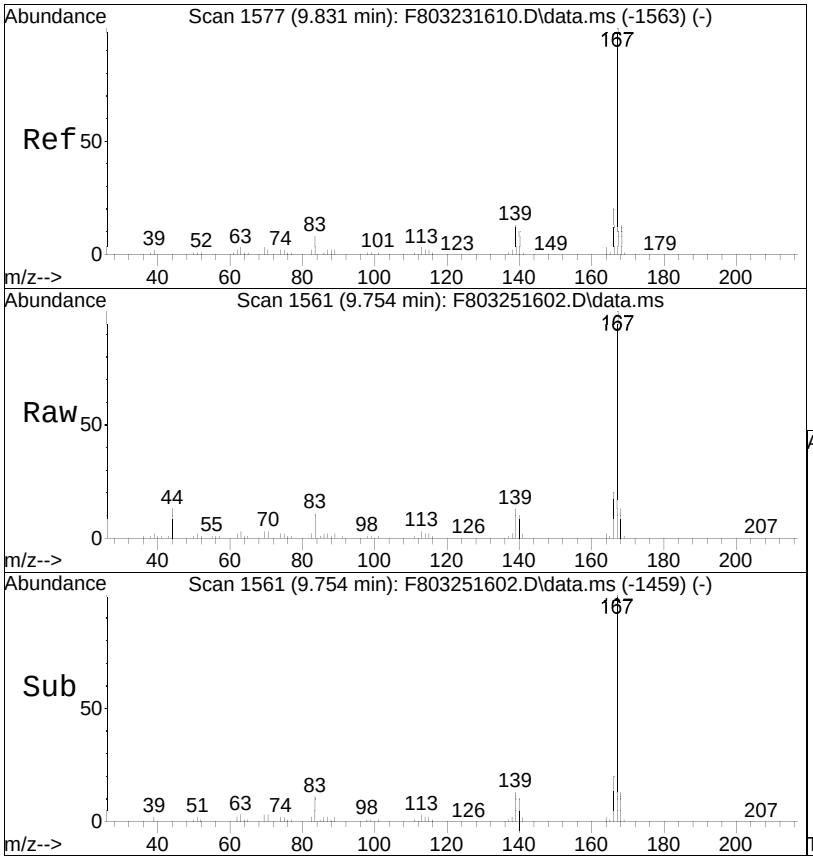


#72
Anthracene
Concen: 0.53 ug/mL M4
RT: 9.503 min Scan# 1509
Delta R.T. -0.010 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:178 Resp: 163373

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.6	18.8
176	17.7	14.6	22.0

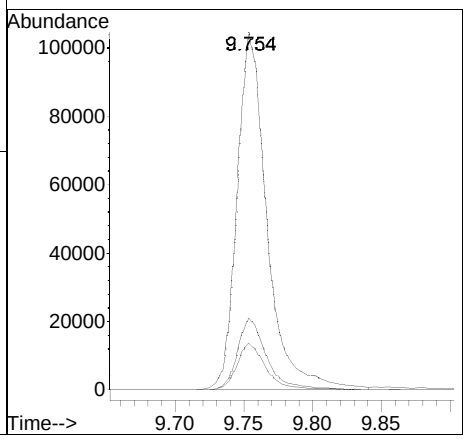


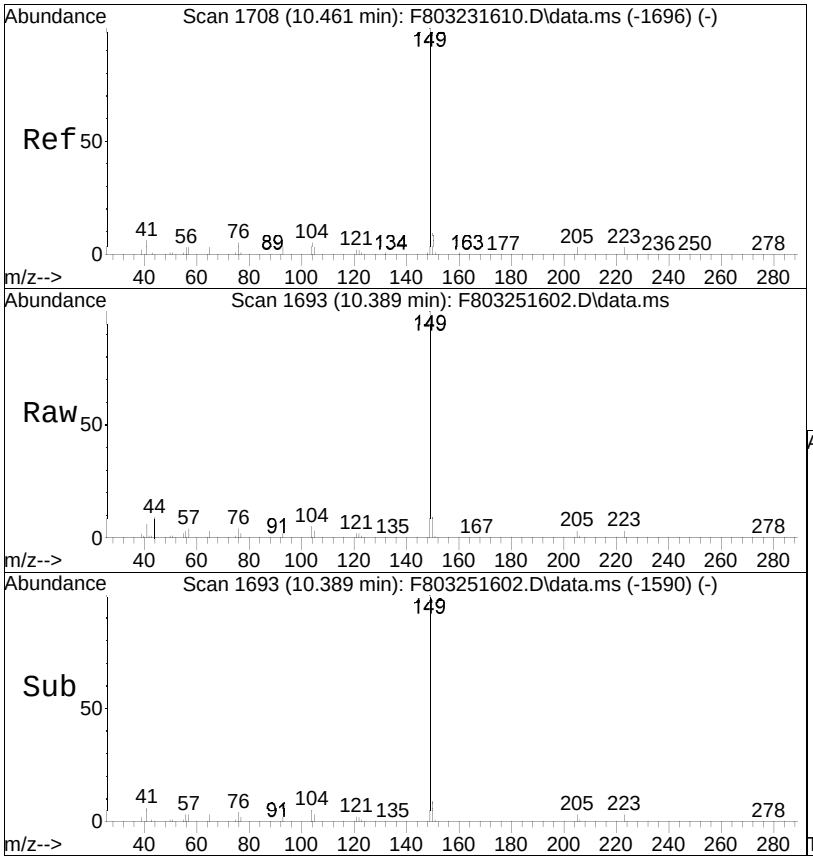


#73
Carbazole
Concen: 0.52 ug/mL
RT: 9.754 min Scan# 1561
Delta R.T. -0.009 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:167 Resp: 157068

Ion	Ratio	Lower	Upper
167	100		
139	12.7	10.3	15.5
166	19.4	15.9	23.9

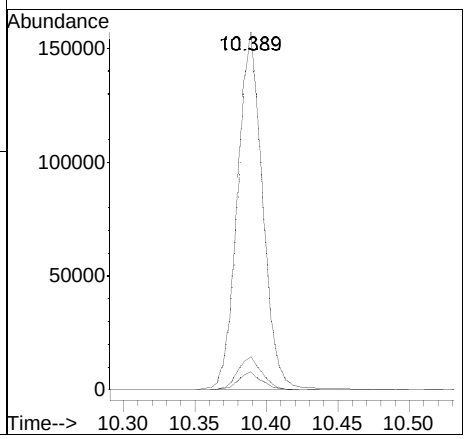


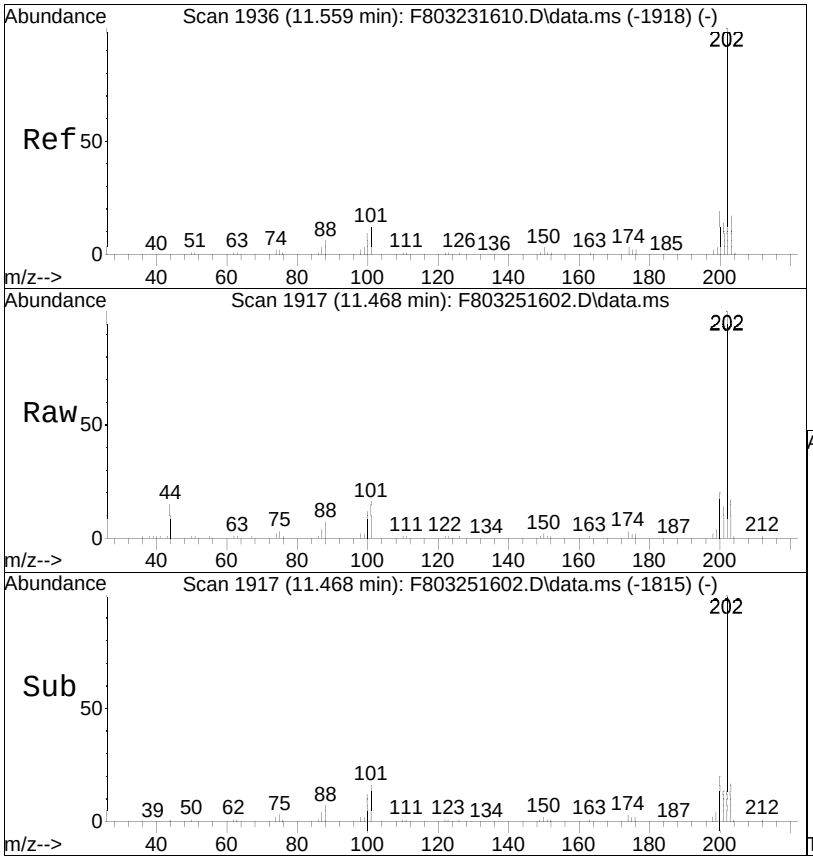


#74
Di-n-butylphthalate
Concen: 0.51 ug/mL
RT: 10.389 min Scan# 1693
Delta R.T. -0.005 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:149 Resp: 190810

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.2
104	4.8	3.5	5.3

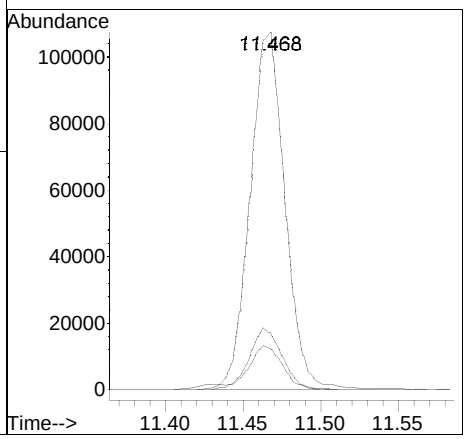


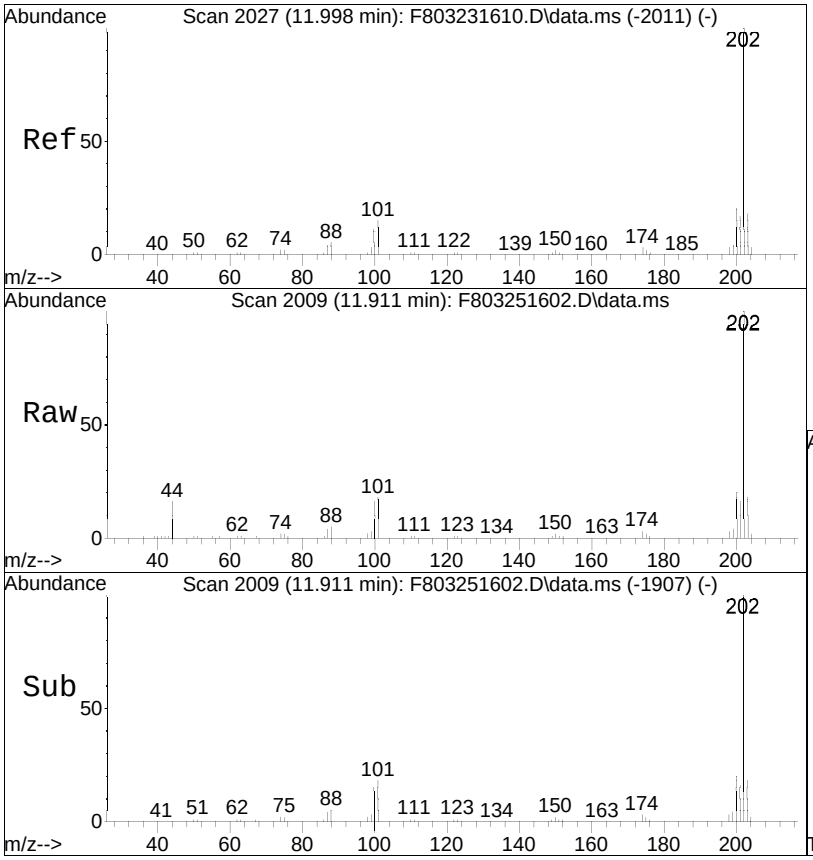


#75
Fluoranthene
Concen: 0.52 ug/mL
RT: 11.468 min Scan# 1917
Delta R.T. -0.009 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:202 Resp: 166243

Ion	Ratio	Lower	Upper
202	100		
101	16.3	13.4	20.2
100	12.0	9.4	14.2

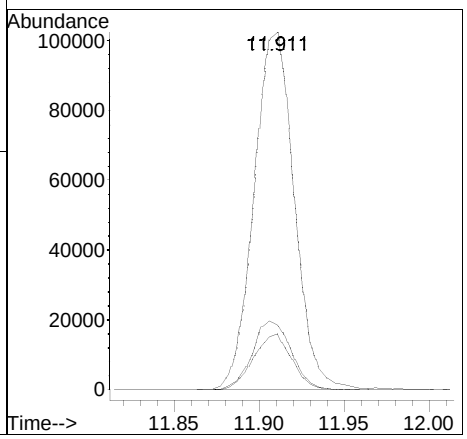


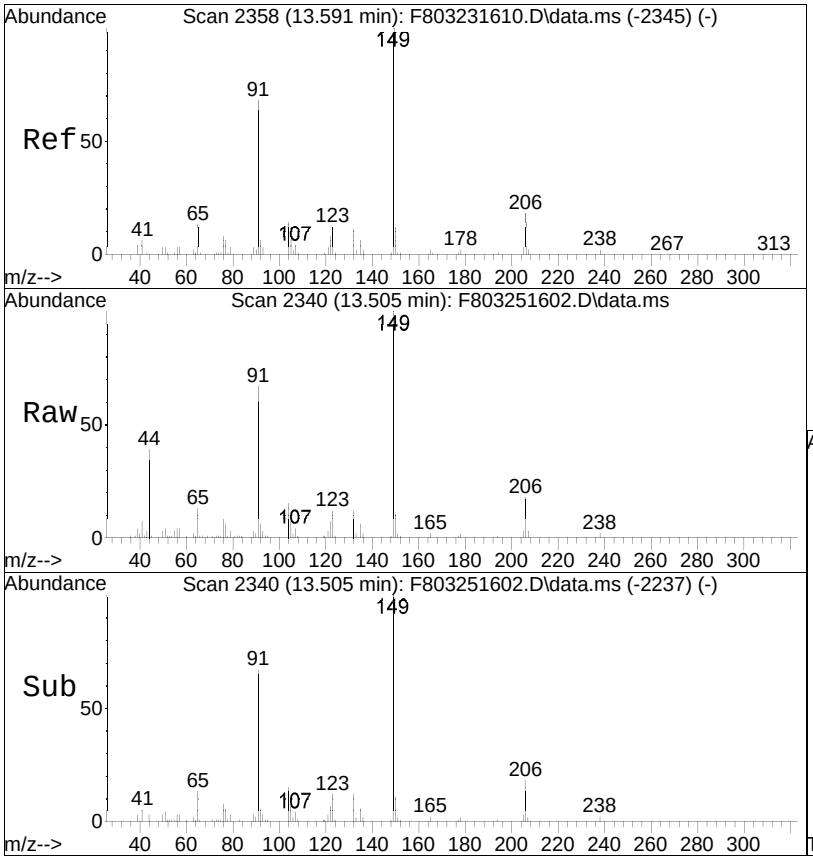


#78
Pyrene
Concen: 0.51 ug/mL
RT: 11.911 min Scan# 2009
Delta R.T. -0.009 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:202 Resp: 167389

Ion	Ratio	Lower	Upper
202	100		
101	18.9	14.9	22.3
100	15.1	11.4	17.2

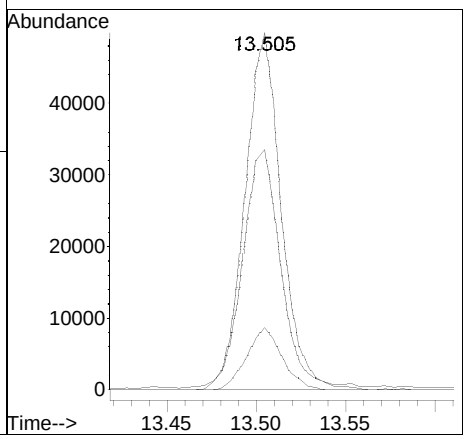


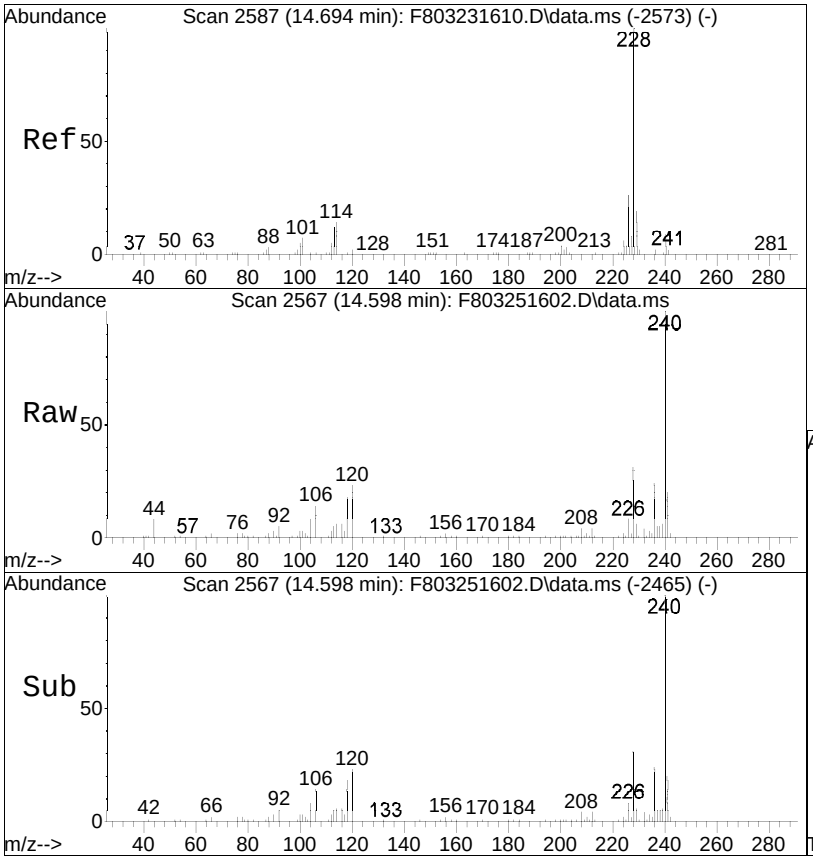


#80
Butylbenzylphthalate
Concen: 0.43 ug/mL
RT: 13.505 min Scan# 2340
Delta R.T. -0.004 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:149 Resp: 69896

Ion	Ratio	Lower	Upper
149	100		
91	68.9	50.8	76.2
206	17.2	15.0	22.4

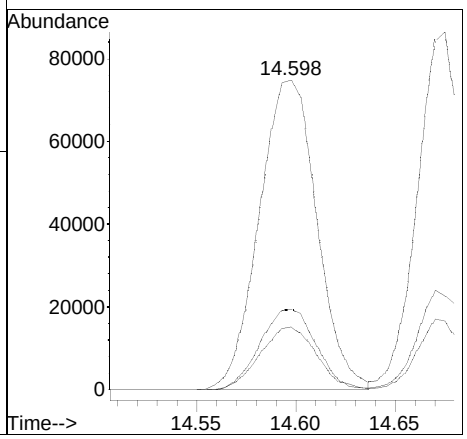


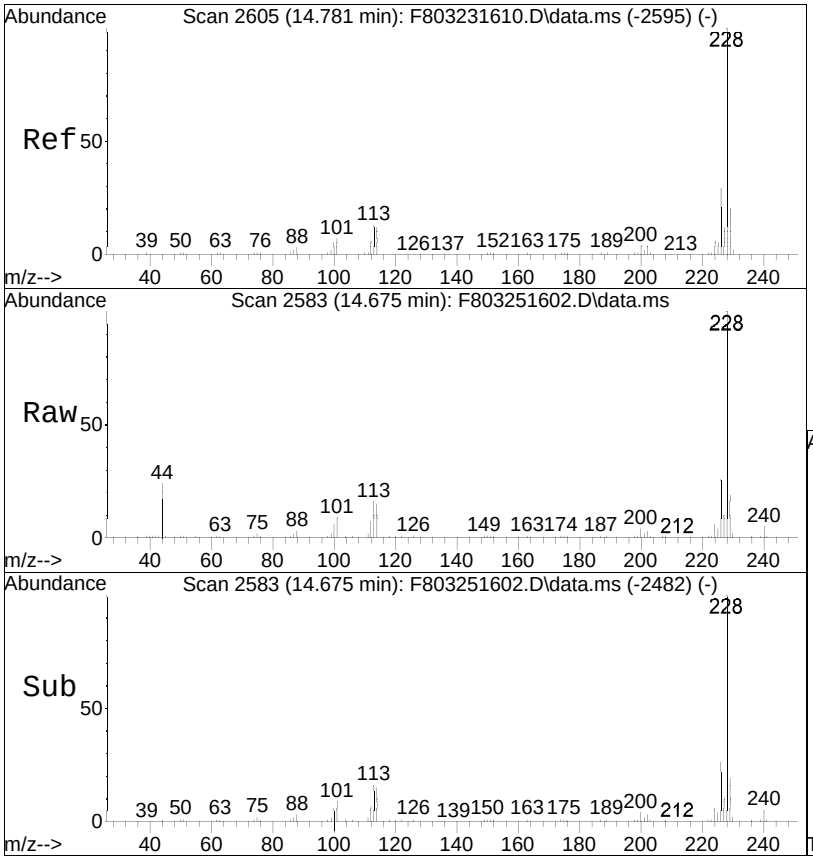


#82
Benz[a]anthracene
Concen: 0.51 ug/mL
RT: 14.598 min Scan# 2567
Delta R.T. -0.009 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:228 Resp: 150587

Ion	Ratio	Lower	Upper
228	100		
229	19.9	15.9	23.9
226	25.4	21.2	31.8

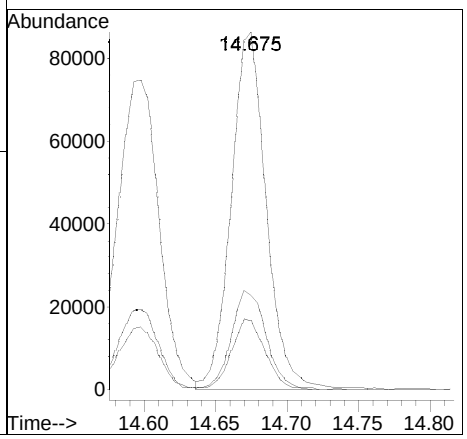


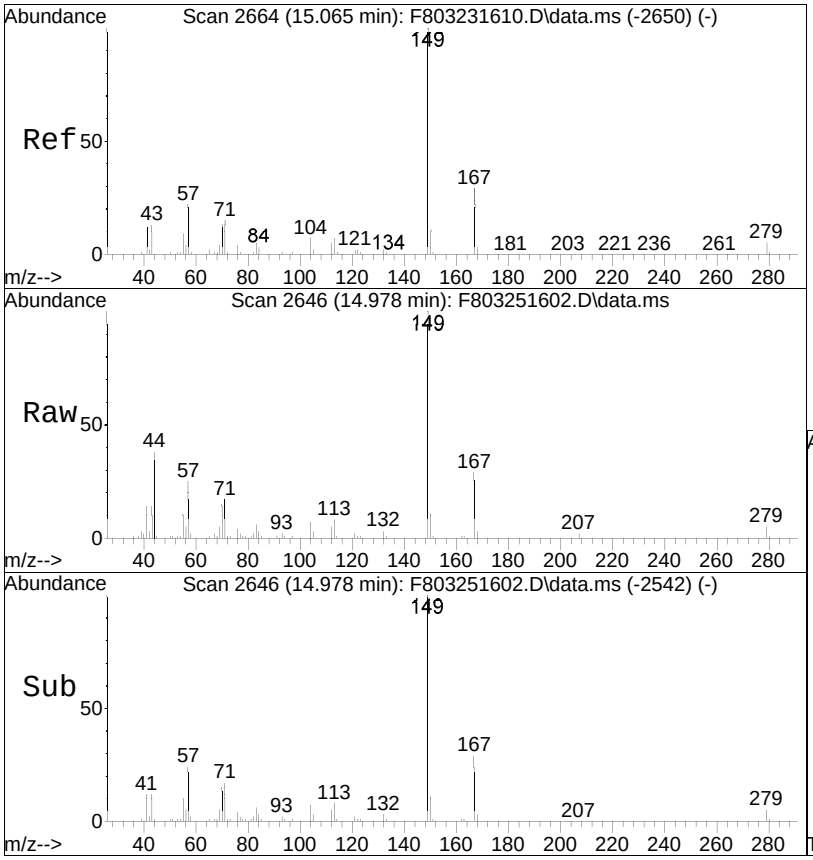


#83
Chrysene
Concen: 0.52 ug/mL M4
RT: 14.675 min Scan# 2583
Delta R.T. -0.014 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:228 Resp: 147694

Ion	Ratio	Lower	Upper
228	100		
226	27.8	23.7	35.5
229	19.2	15.8	23.8

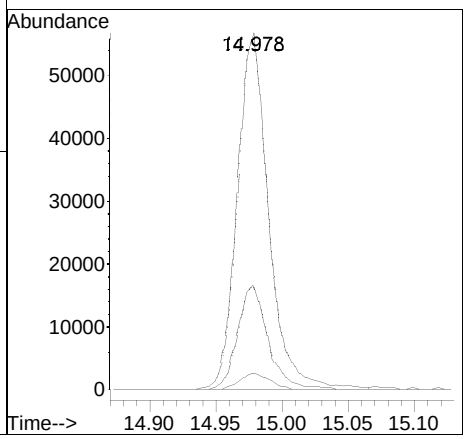


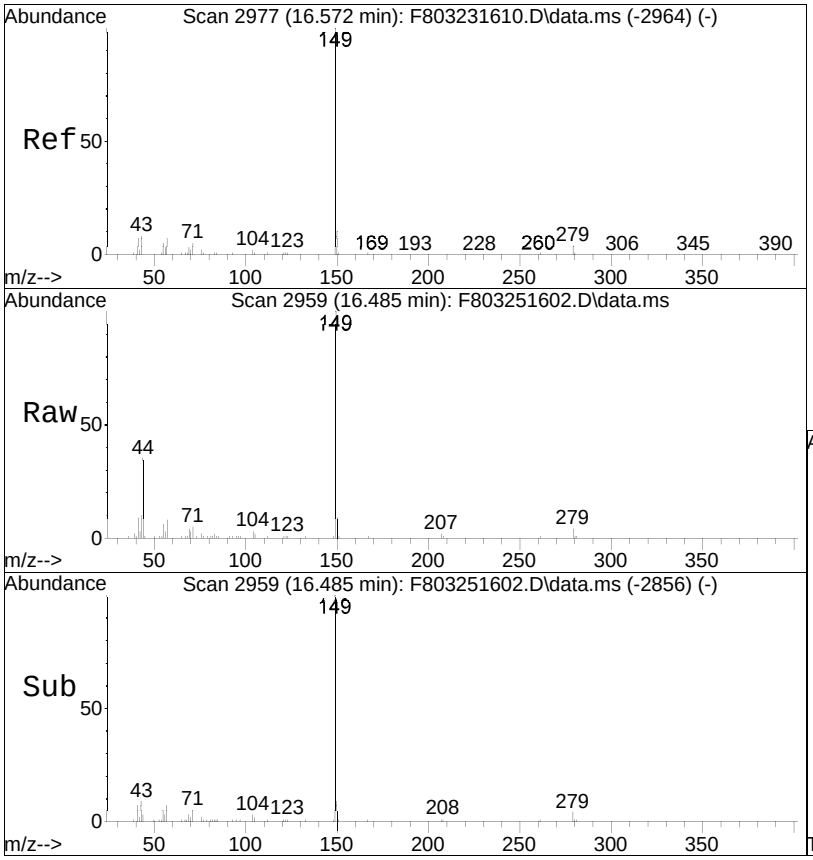


#84
bis(2-Ethylhexyl)phthalate
Concen: 0.42 ug/mL
RT: 14.978 min Scan# 2646
Delta R.T. 0.000 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:149 Resp: 93012

Ion	Ratio	Lower	Upper
149	100		
167	28.0	23.8	35.6
279	4.3	4.0	6.0

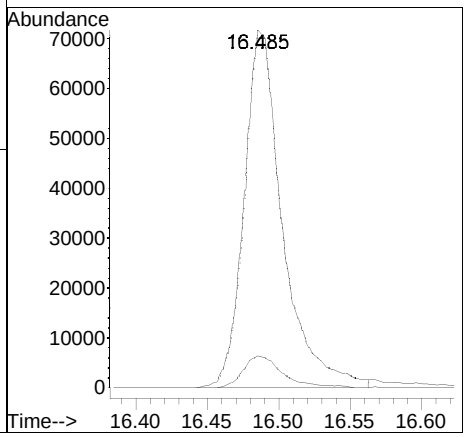


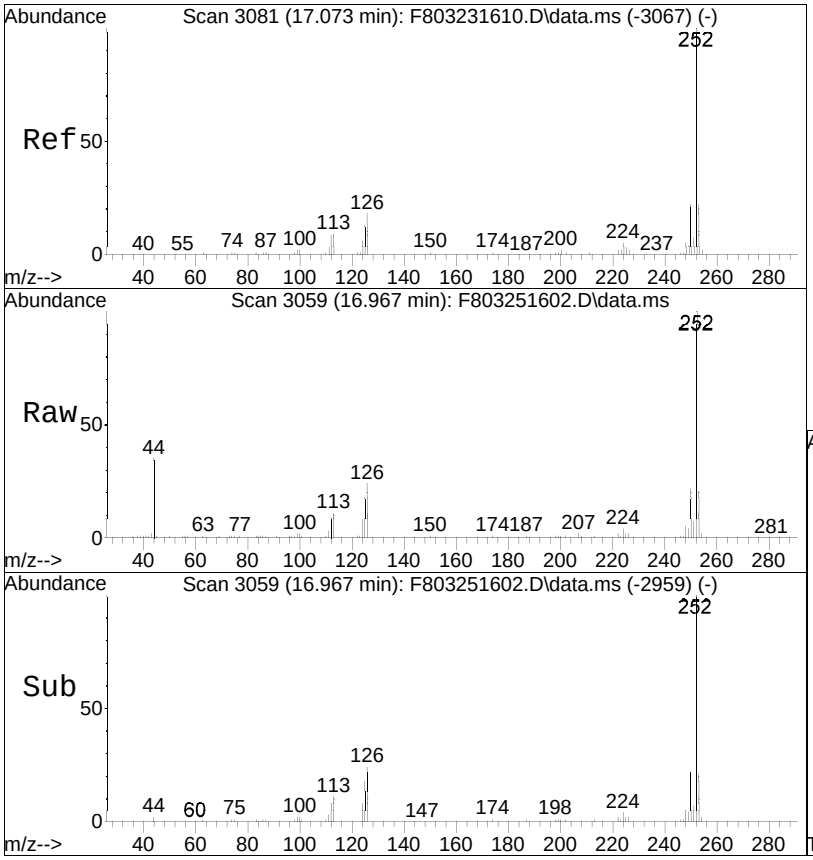


#86
Di-n-octylphthalate
Concen: 0.36 ug/mL
RT: 16.485 min Scan# 2959
Delta R.T. -0.005 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:149 Resp: 132941

Ion	Ratio	Lower	Upper
149	100		
150	9.3	8.1	12.1

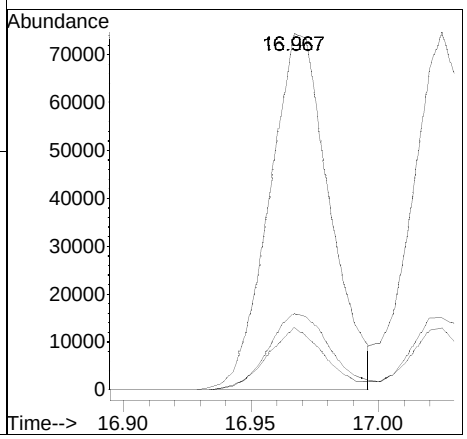


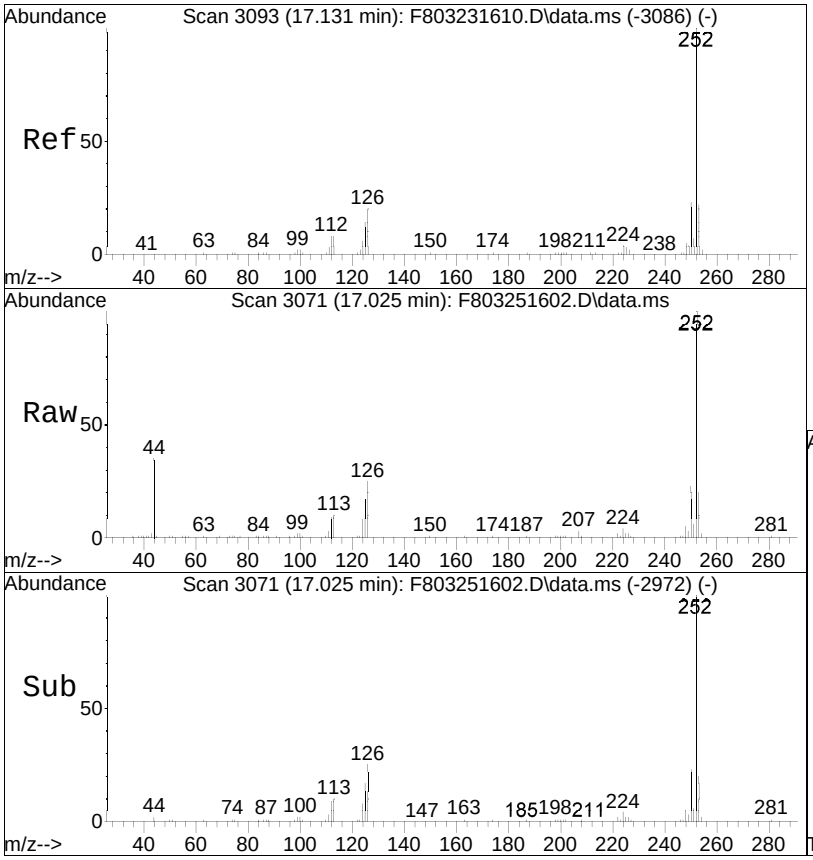


#87
Benzo[b]fluoranthene
Concen: 0.45 ug/mL
RT: 16.967 min Scan# 3059
Delta R.T. -0.019 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:252 Resp: 122201

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	17.0	13.7	20.5

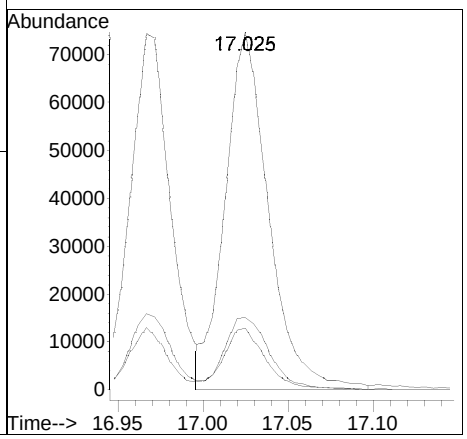


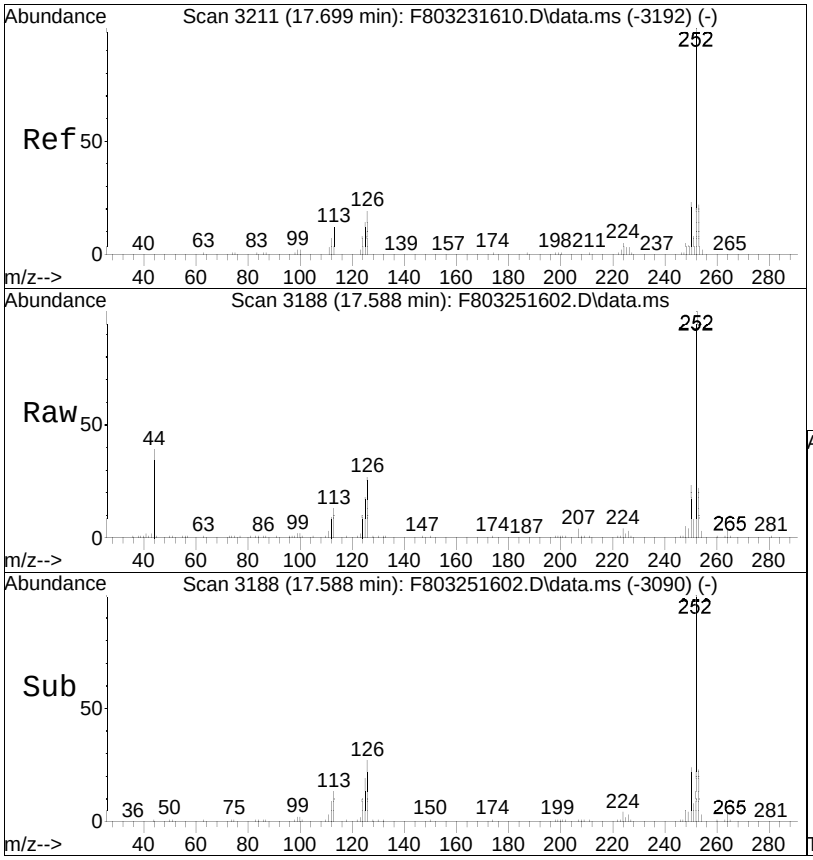


#88
Benzo[k]fluoranthene
Concen: 0.50 ug/mL M4
RT: 17.025 min Scan# 3071
Delta R.T. -0.024 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:252 Resp: 132965

Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.3	25.9
125	16.9	13.3	19.9

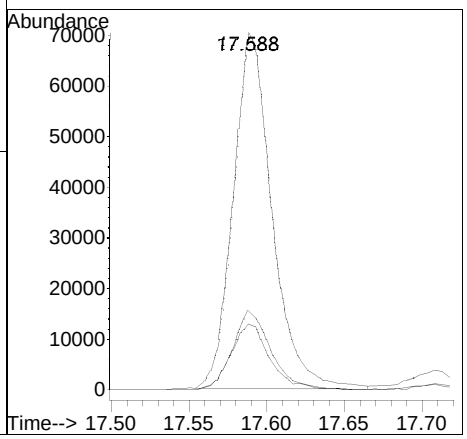


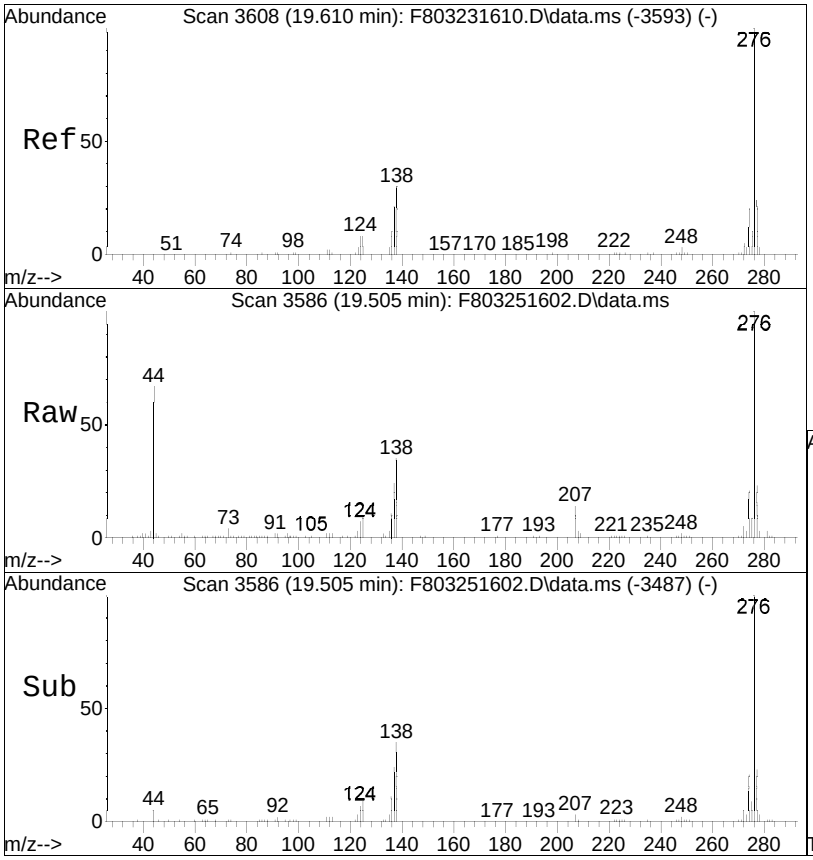


#89
Benzo[a]pyrene
Concen: 0.46 ug/mL
RT: 17.588 min Scan# 3188
Delta R.T. -0.029 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:252 Resp: 120717

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	18.7	14.3	21.5

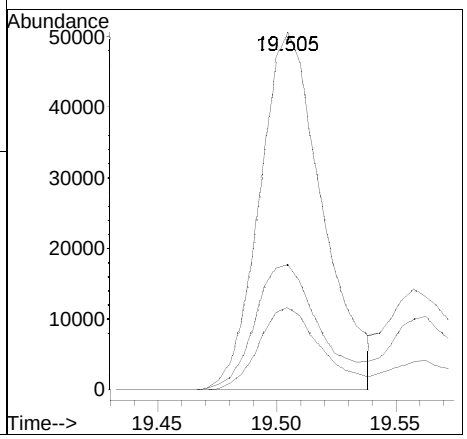


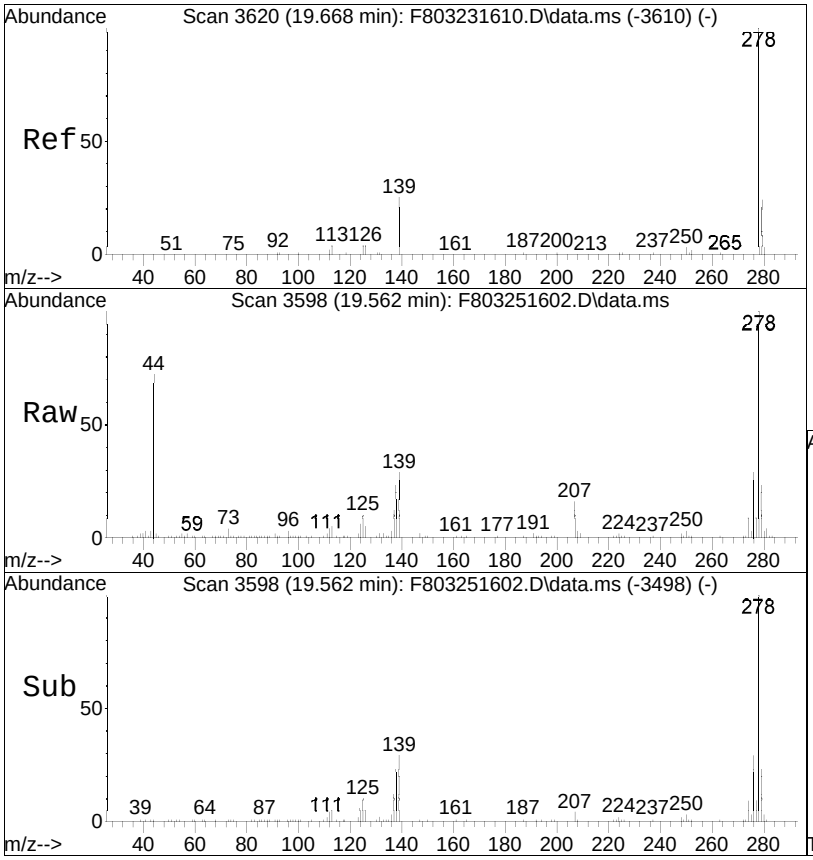


#90
Indeno[1,2,3-cd]pyrene
Concen: 0.40 ug/mL
RT: 19.505 min Scan# 3586
Delta R.T. -0.024 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:276 Resp: 92436

Ion	Ratio	Lower	Upper
276	100		
138	35.9	28.2	42.2
277	23.2	19.4	29.0

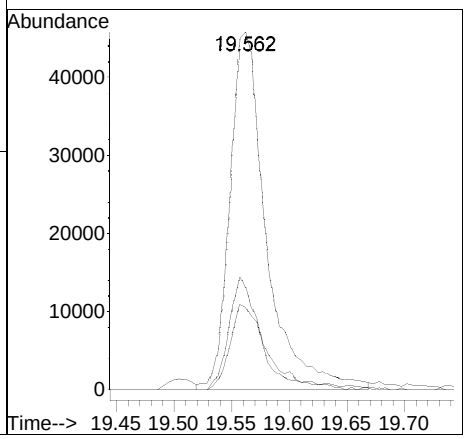


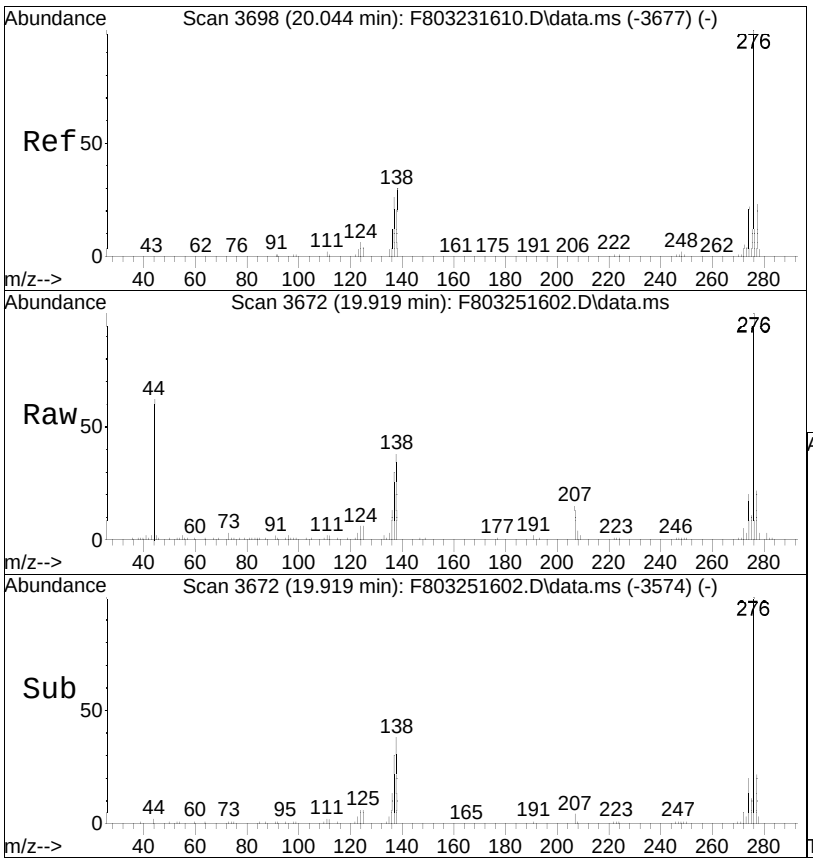


#91
Dibenz[a,h]anthracene
Concen: 0.43 ug/mL M4
RT: 19.562 min Scan# 3598
Delta R.T. -0.020 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:278 Resp: 100298

Ion	Ratio	Lower	Upper
278	100		
139	26.8	23.4	35.0
279	22.6	19.4	29.0

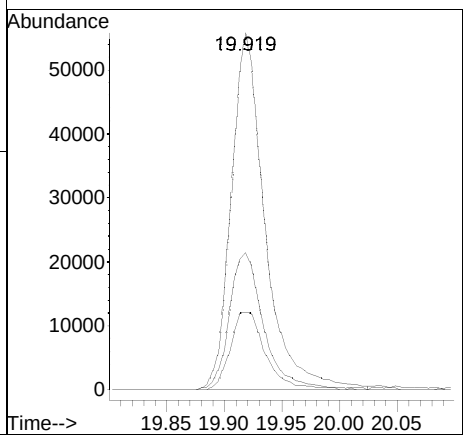




#92
Benzo[g,h,i]perylene
Concen: 0.46 ug/mL
RT: 19.919 min Scan# 3672
Delta R.T. -0.029 min
Lab File: F803251602.D
Acq: 25 Mar 2016 5:26 pm

Tgt Ion:276 Resp: 113263

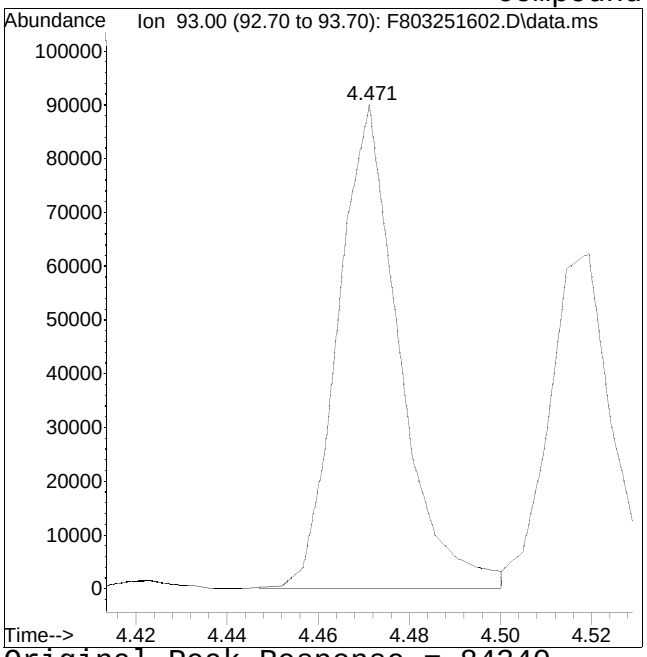
Ion	Ratio	Lower	Upper
276	100		
138	39.3	31.4	47.2
277	22.0	19.4	29.0



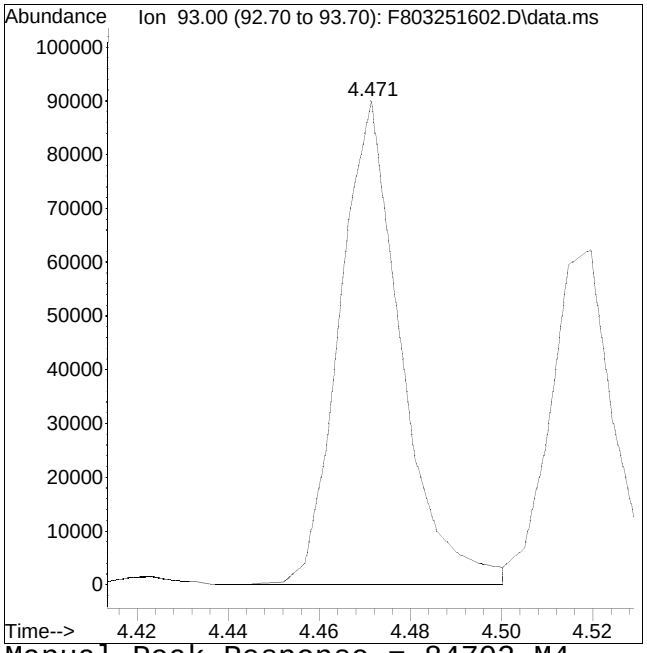
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251602.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 5:26 pm Instrument : BNA8
Sample : I803251601 Quant Date : 3/27/2016 4:04 pm

Compound #6: Aniline



Original Peak Response = 84340



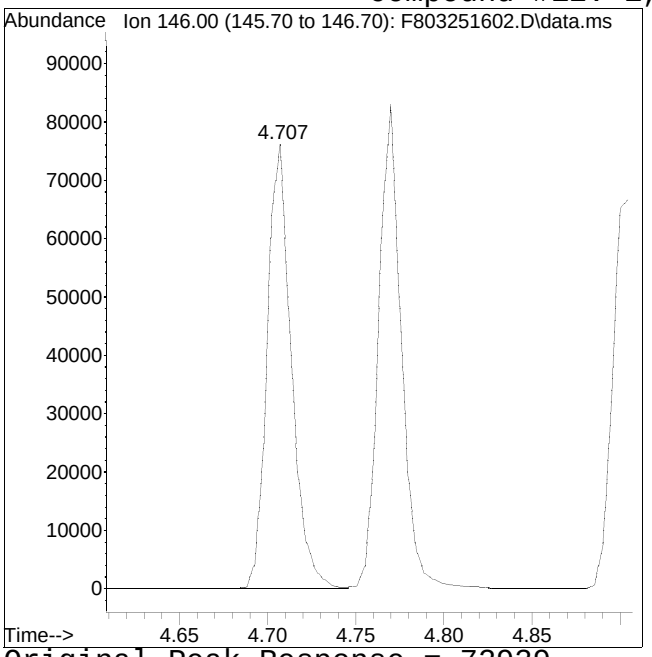
Manual Peak Response = 84702 M4

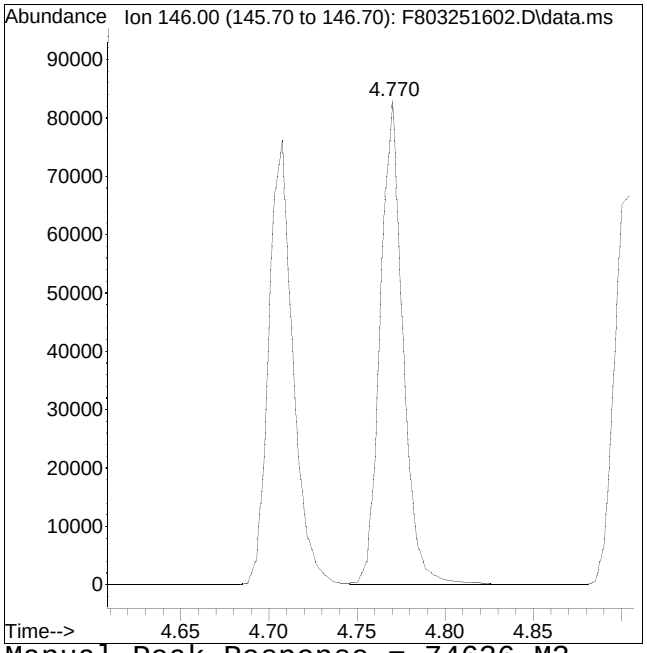
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251602.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 5:26 pm Instrument : BNA8
Sample : I803251601 Quant Date : 3/27/2016 4:04 pm

Compound #12: 1,4-Dichlorobenzene





Original Peak Response = 72939 Manual Peak Response = 74636 M3

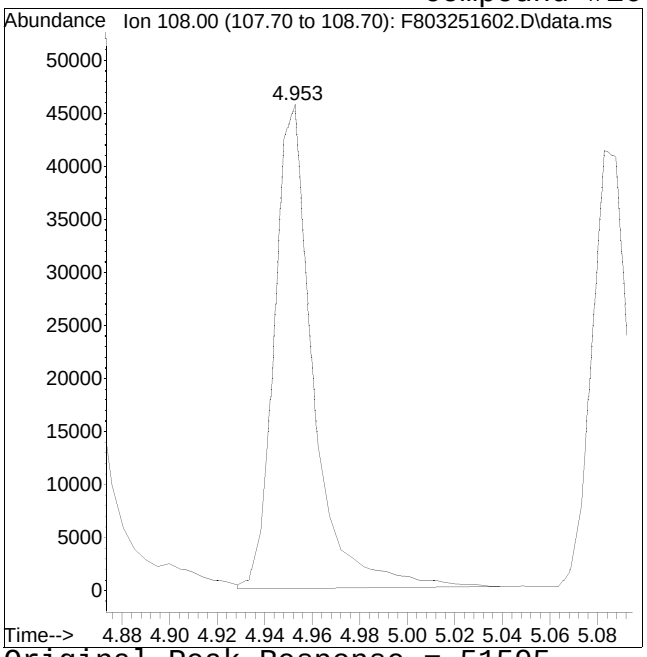
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

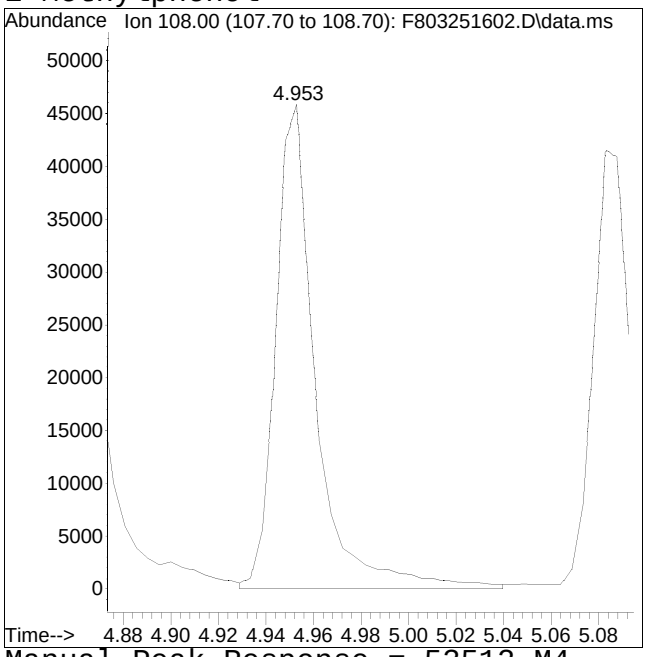
Data Path : O:\Organics\DATA\BNA8\2016\
Data File : F803251602.D
Date Inj'd : 3/25/2016 5:26 pm
Sample : I803251601

QMethod : SV0325BNA8.M
Operator : BNA8:ML
Instrument : BNA8
Quant Date : 3/27/2016 4:04 pm

Compound #16: 2-Methylphenol



Original Peak Response = 51595



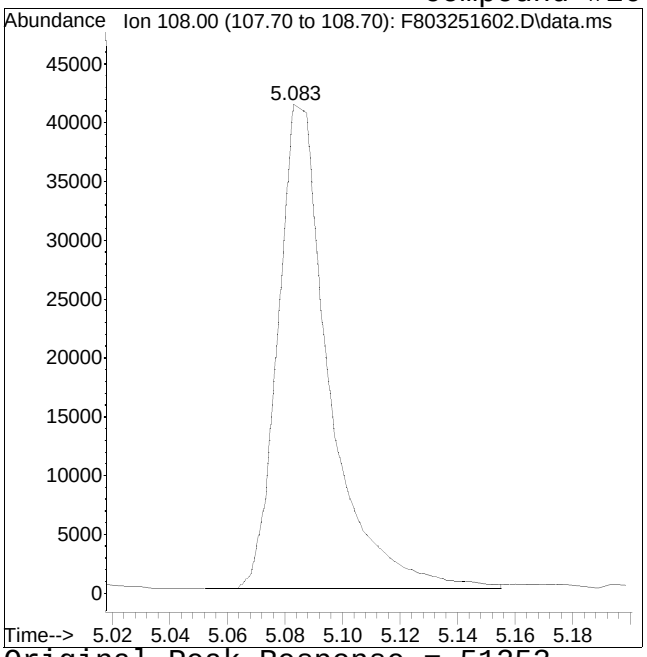
Manual Peak Response = 53512 M4

M4 = Poor automated baseline construction.

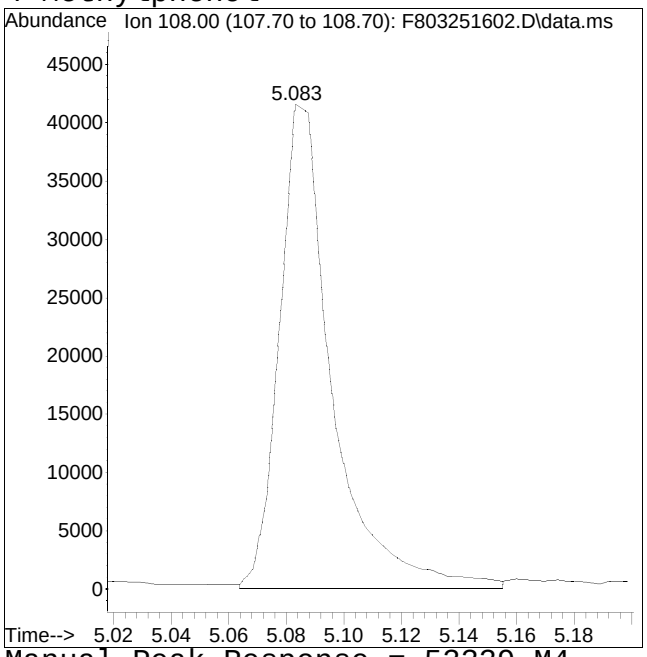
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251602.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 5:26 pm Instrument : BNA8
Sample : I803251601 Quant Date : 3/27/2016 4:04 pm

Compound #20: 4-Methylphenol



Original Peak Response = 51253



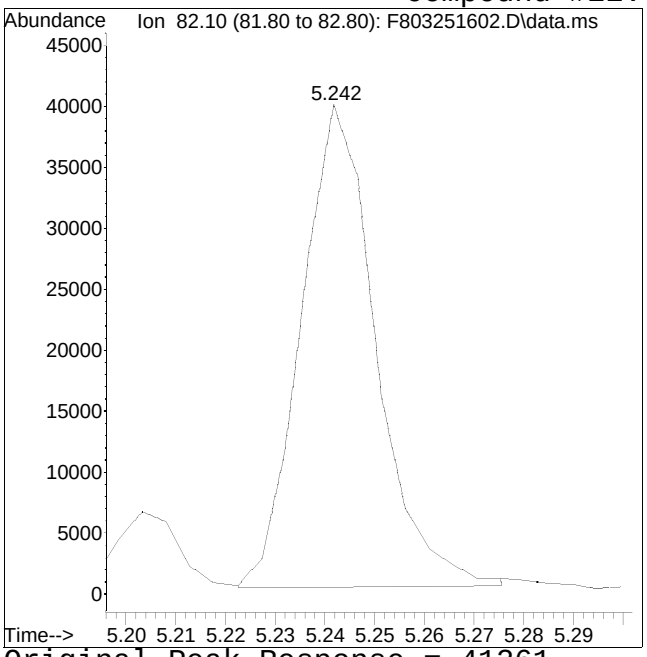
Manual Peak Response = 53339 M4

M4 = Poor automated baseline construction.

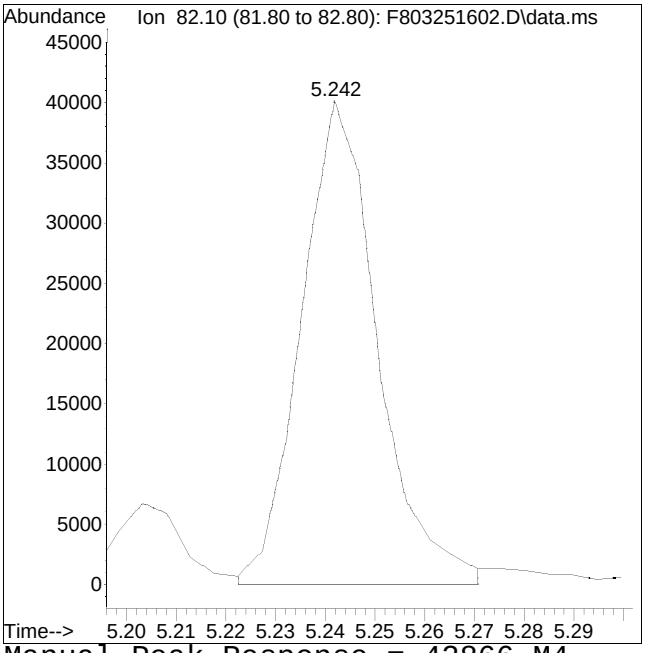
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251602.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 5:26 pm Instrument : BNA8
Sample : I803251601 Quant Date : 3/27/2016 4:04 pm

Compound #22: Nitrobenzene-d5



Original Peak Response = 41261



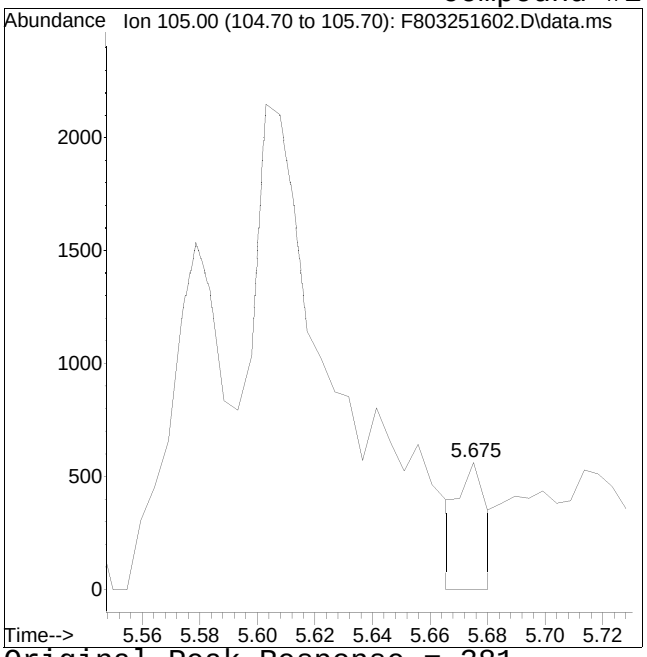
Manual Peak Response = 42866 M4

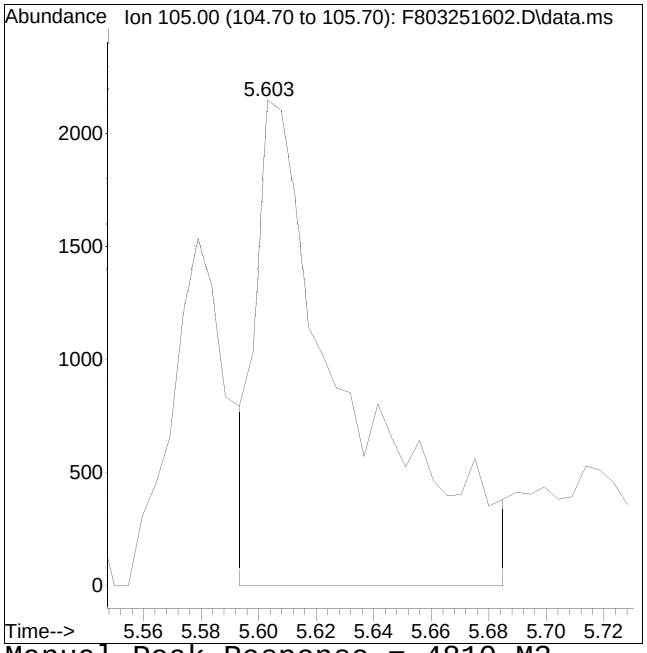
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251602.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 5:26 pm Instrument : BNA8
Sample : I803251601 Quant Date : 3/27/2016 4:04 pm

Compound #27: Benzoic acid



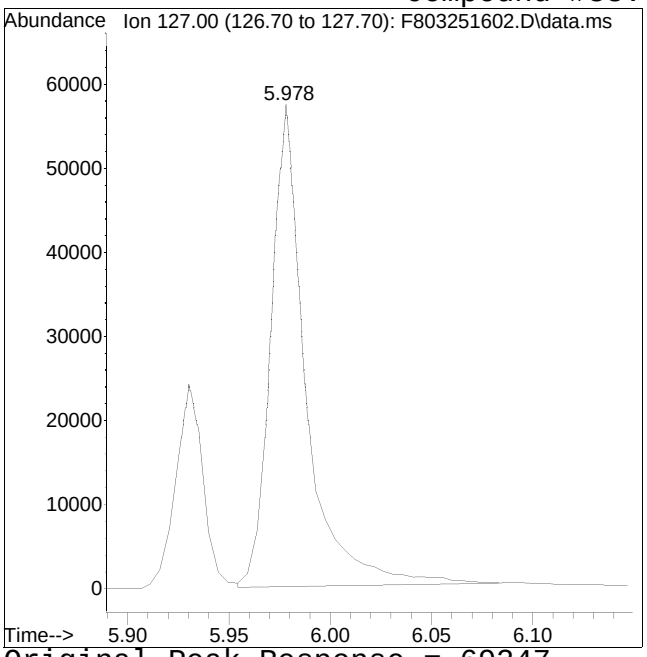


Original Peak Response = 381 Manual Peak Response = 4810 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

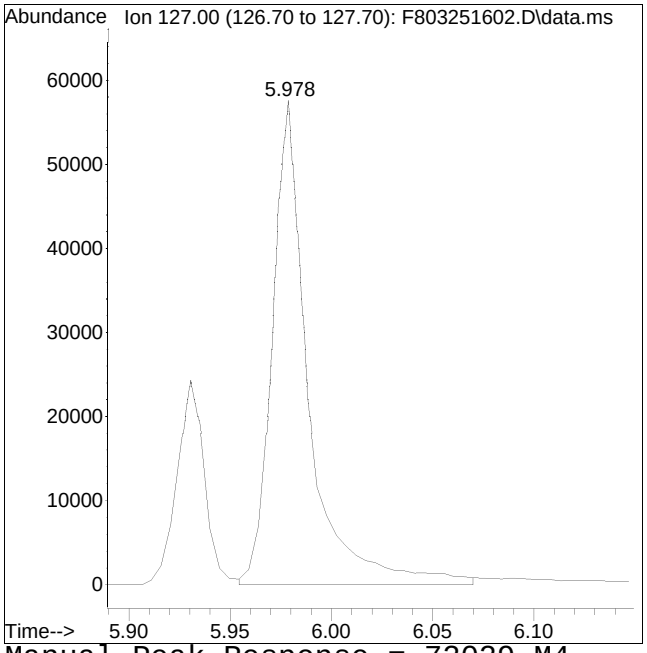
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251602.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 5:26 pm Instrument : BNA8
Sample : I803251601 Quant Date : 3/27/2016 4:04 pm

Compound #33: 4-Chloroaniline



Original Peak Response = 69247



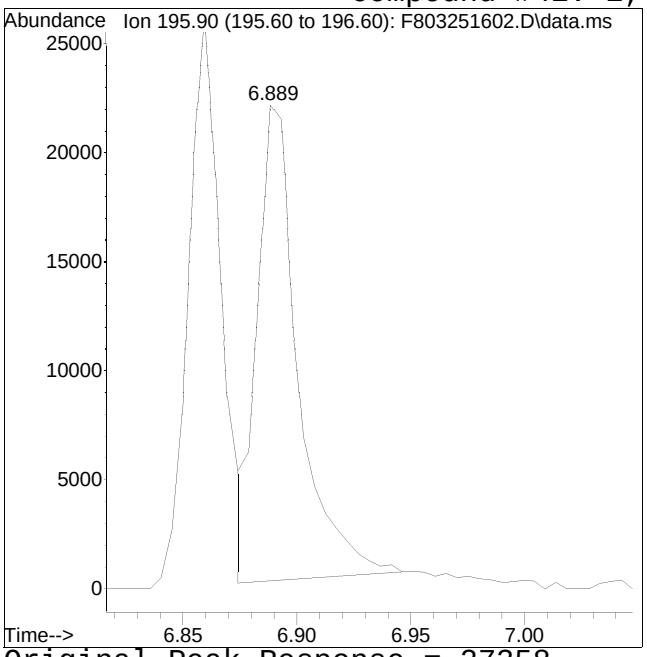
Manual Peak Response = 72029 M4

M4 = Poor automated baseline construction.

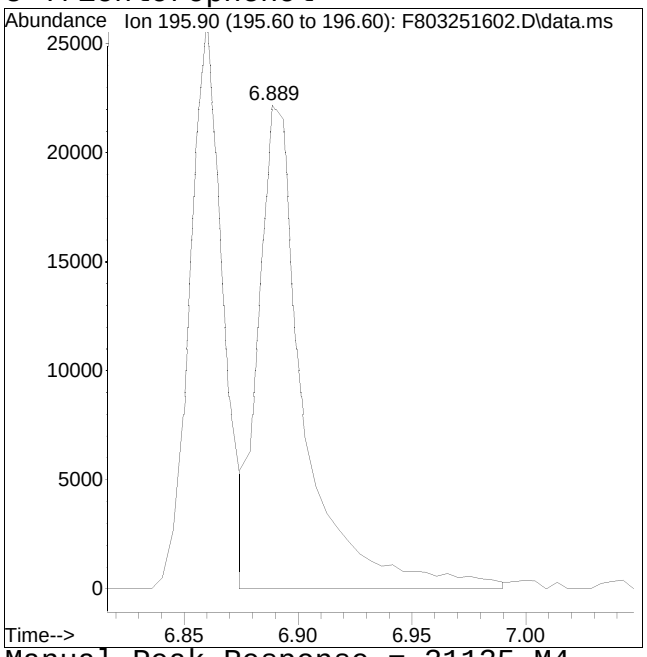
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251602.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 5:26 pm Instrument : BNA8
Sample : I803251601 Quant Date : 3/27/2016 4:04 pm

Compound #42: 2,4,5-Trichlorophenol



Original Peak Response = 27358



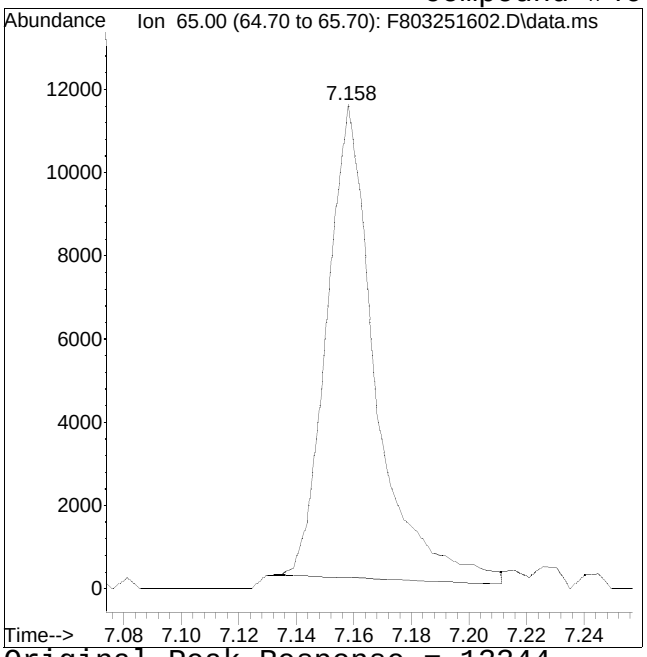
Manual Peak Response = 31135 M4

M4 = Poor automated baseline construction.

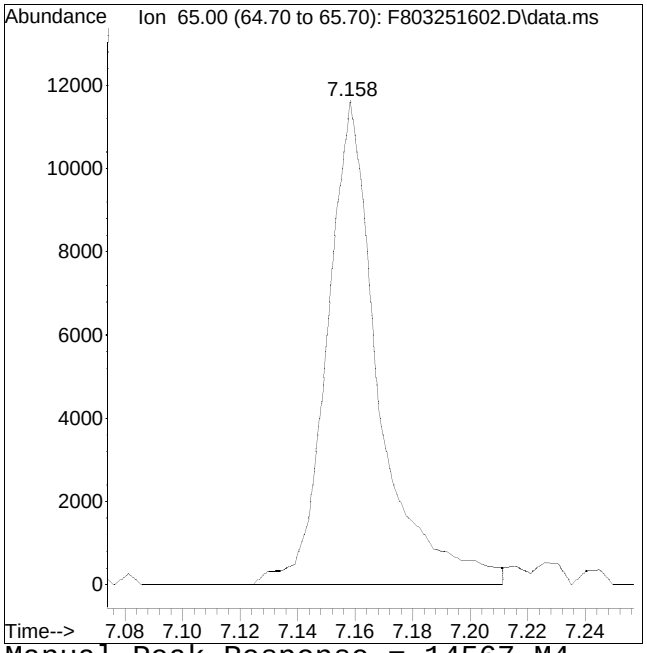
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251602.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 5:26 pm Instrument : BNA8
Sample : I803251601 Quant Date : 3/27/2016 4:04 pm

Compound #46: 2-Nitroaniline



Original Peak Response = 13344



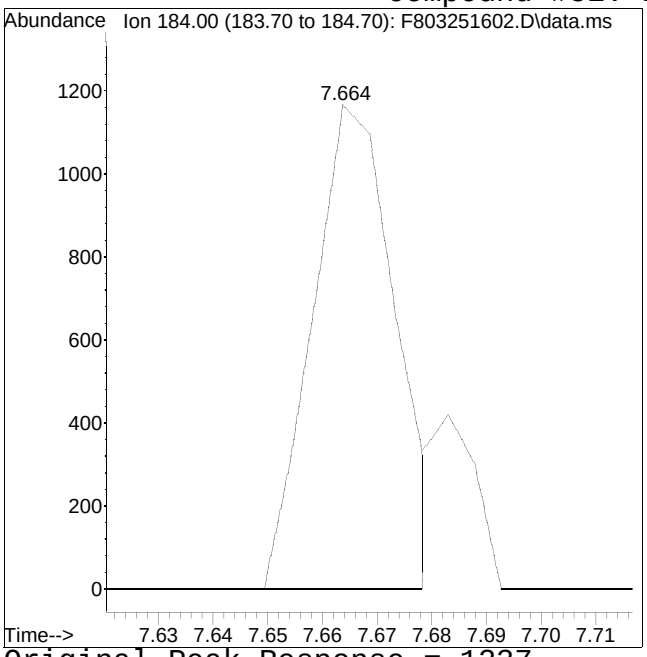
Manual Peak Response = 14567 M4

M4 = Poor automated baseline construction.

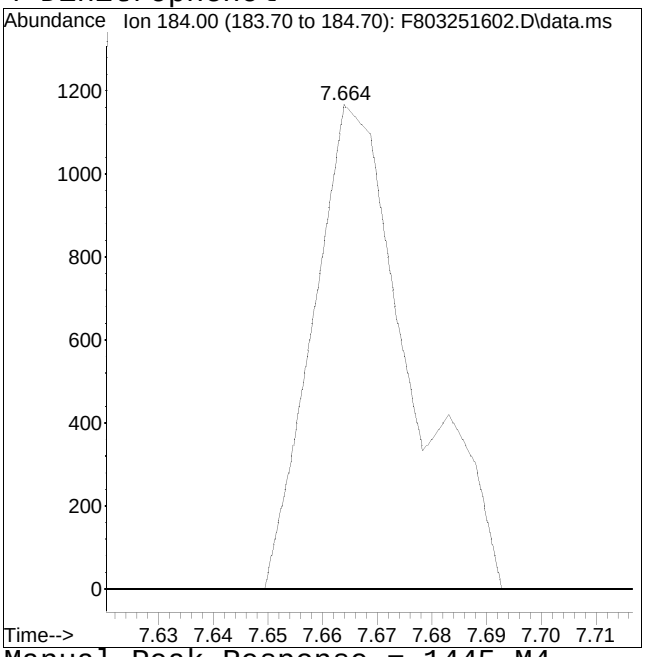
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251602.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 5:26 pm Instrument : BNA8
Sample : I803251601 Quant Date : 3/27/2016 4:04 pm

Compound #52: 2,4-Dinitrophenol



Original Peak Response = 1237



Manual Peak Response = 1445 M4

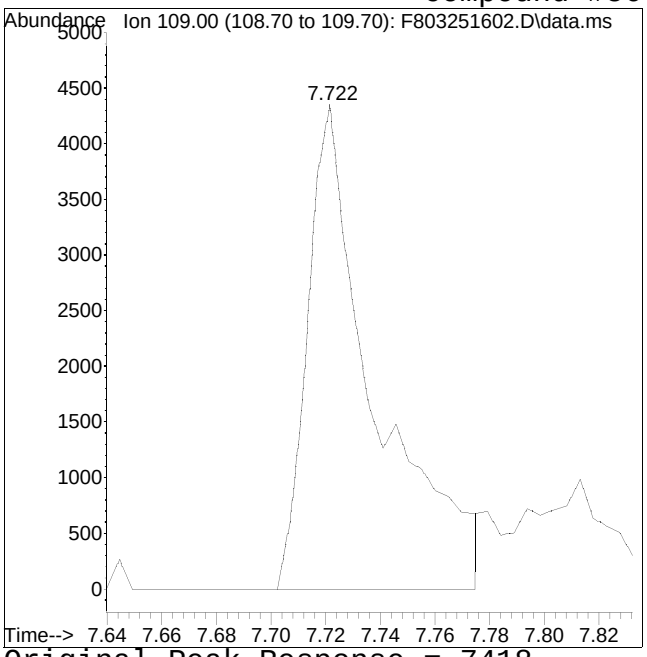
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

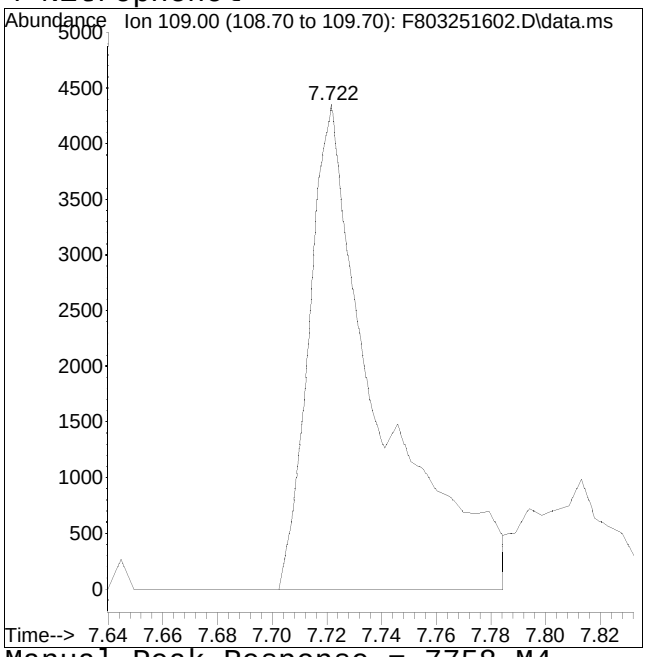
Data Path : O:\Organics\DATA\BNA8\2016\
Data File : F803251602.D
Date Inj'd : 3/25/2016 5:26 pm
Sample : I803251601

QMethod : SV0325BNA8.M
Operator : BNA8:ML
Instrument : BNA8
Quant Date : 3/27/2016 4:04 pm

Compound #56: 4-Nitrophenol



Original Peak Response = 7418



Manual Peak Response = 7758 M4

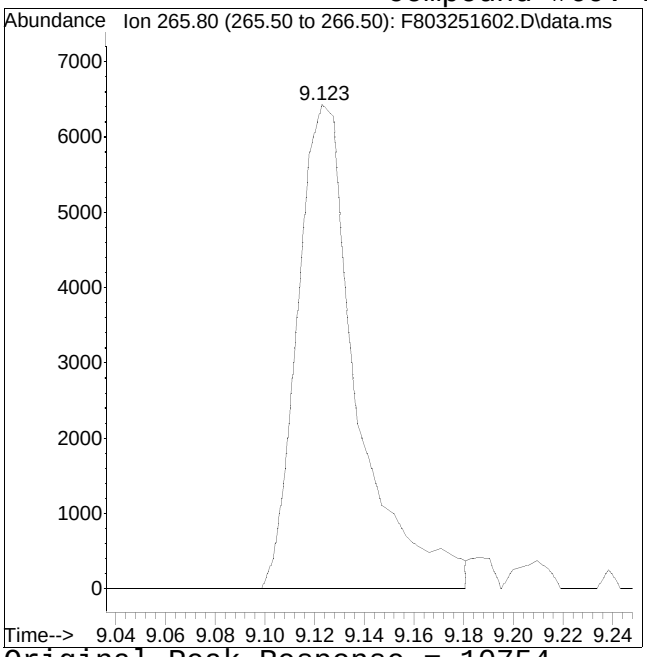
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

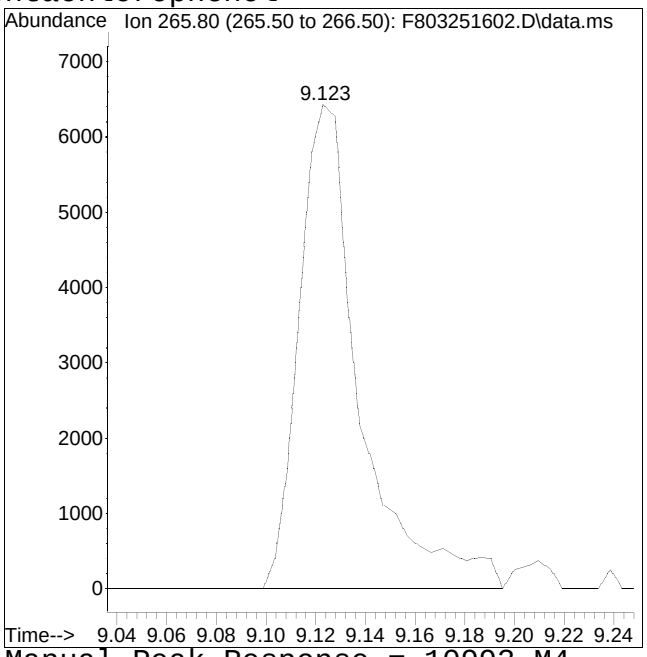
Data Path : O:\Organics\DATA\BNA8\2016\
Data File : F803251602.D
Date Inj'd : 3/25/2016 5:26 pm
Sample : I803251601

QMethod : SV0325BNA8.M
Operator : BNA8:ML
Instrument : BNA8
Quant Date : 3/27/2016 4:04 pm

Compound #69: Pentachlorophenol



Original Peak Response = 10754



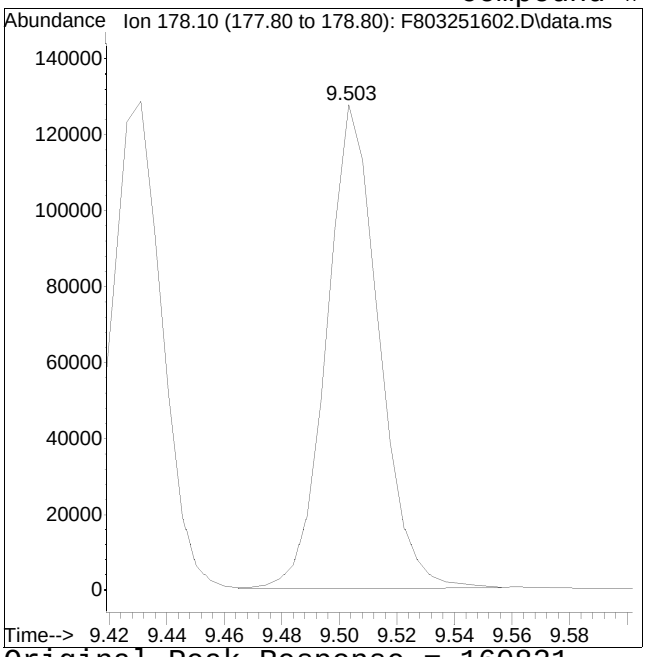
Manual Peak Response = 10993 M4

M4 = Poor automated baseline construction.

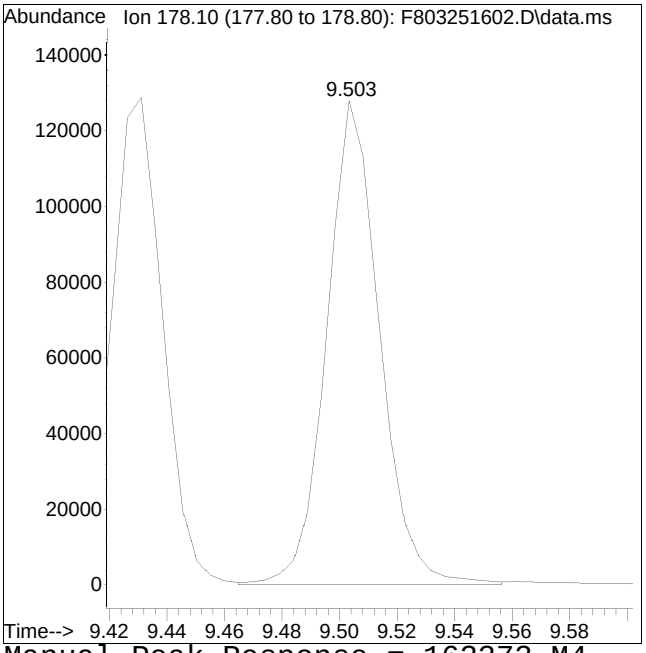
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251602.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 5:26 pm Instrument : BNA8
Sample : I803251601 Quant Date : 3/27/2016 4:04 pm

Compound #72: Anthracene



Original Peak Response = 160821



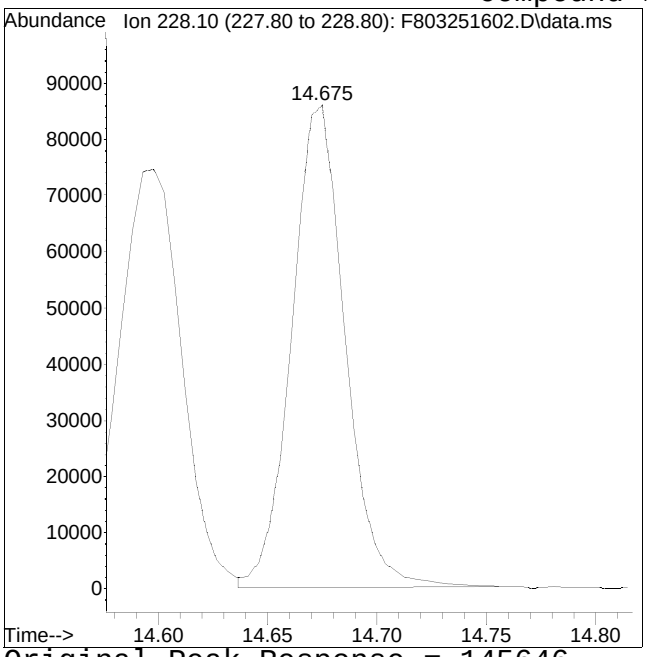
Manual Peak Response = 163373 M4

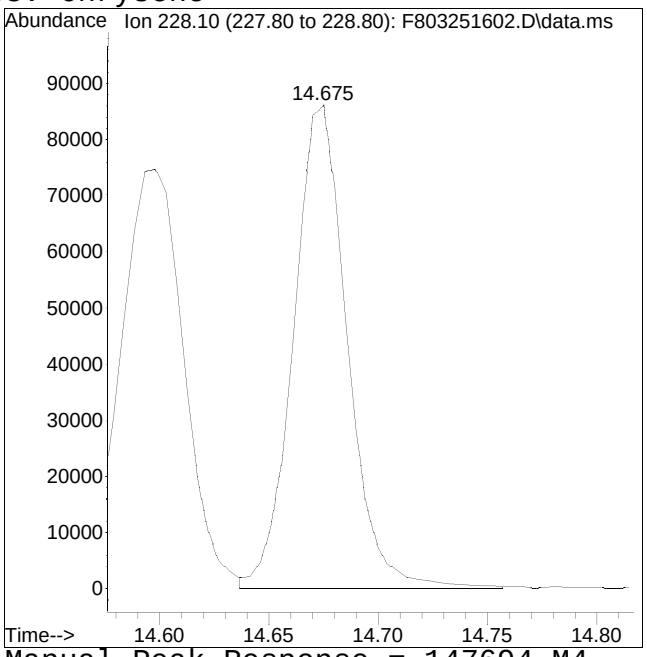
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251602.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 5:26 pm Instrument : BNA8
Sample : I803251601 Quant Date : 3/27/2016 4:04 pm

Compound #83: Chrysene



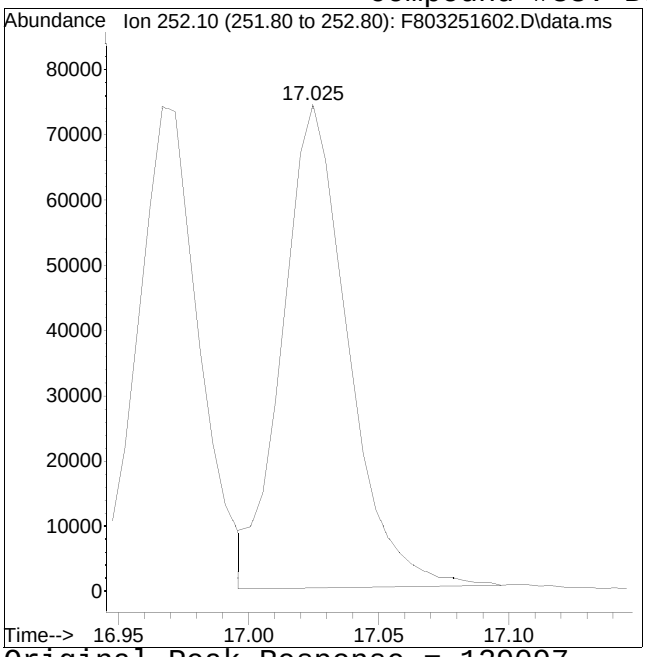


Original Peak Response = 145646 Manual Peak Response = 147694 M4
M4 = Poor automated baseline construction.

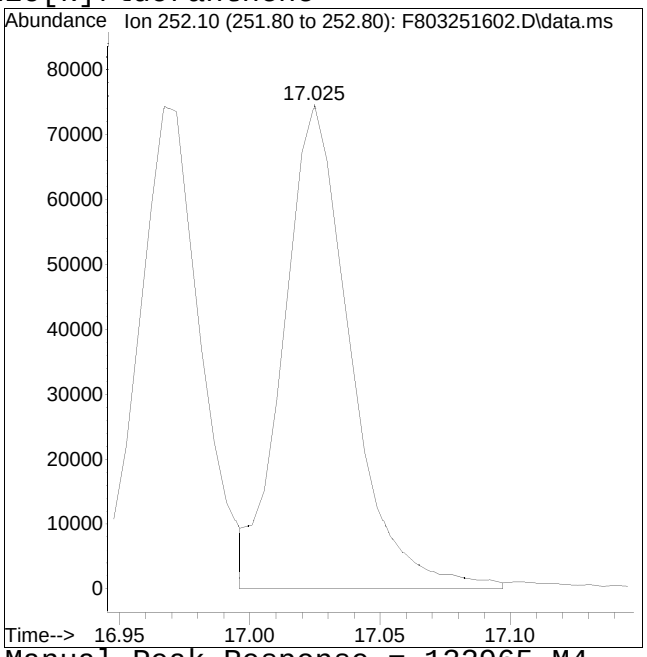
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251602.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 5:26 pm Instrument : BNA8
Sample : I803251601 Quant Date : 3/27/2016 4:04 pm

Compound #88: Benzo[k]fluoranthene



Original Peak Response = 129097



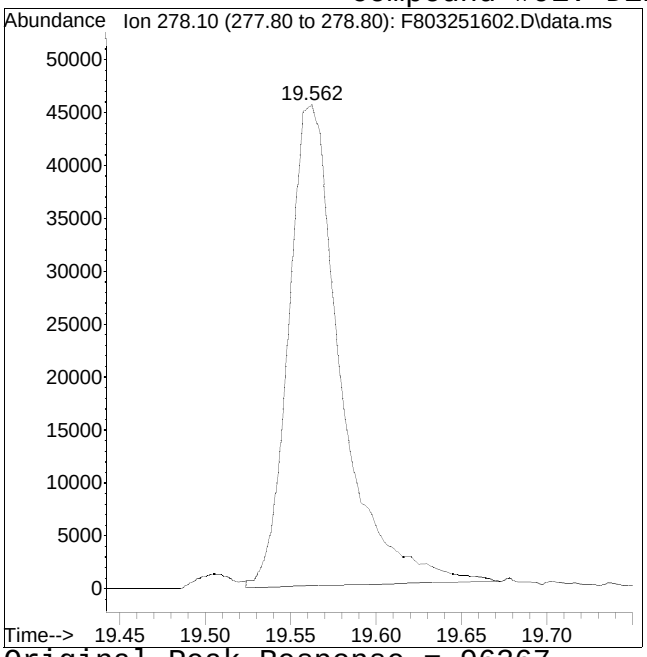
Manual Peak Response = 132965 M4

M4 = Poor automated baseline construction.

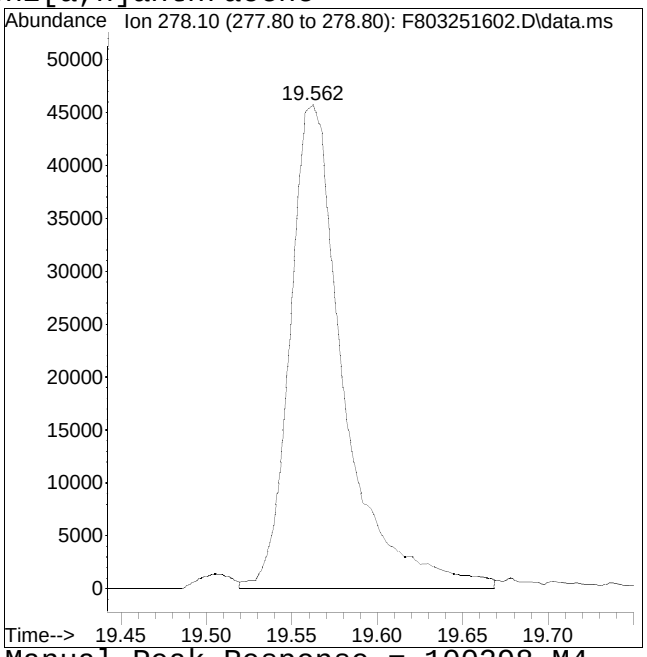
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251602.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 5:26 pm Instrument : BNA8
Sample : I803251601 Quant Date : 3/27/2016 4:04 pm

Compound #91: Dibenz[a,h]anthracene



Original Peak Response = 96367



Manual Peak Response = 100298 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251603.D
Acq On : 25 Mar 2016 5:57 pm
Operator : BNA8:ML
Sample : I803251602
Misc : WG877805,MSAI34
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 27 16:05:27 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:05:23 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.755	152	576463	5.000	ug/mL	0.00
21) Naphthalene-d8	5.911	136	2168716	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.606	164	1011733	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.397	188	1851398	5.000	ug/mL	0.00
76) Chrysene-d12	14.617	240	1692823	5.000	ug/mL	0.00
85) Perylene-d12	17.713	264	1597268	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.691	112	122742	0.959	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery =	4.79%#		
8) Phenol-d5	4.413	99	149976	0.971	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery =	4.85%#		
22) Nitrobenzene-d5	5.242	82	93765M4	0.901	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery =	4.50%#		
43) 2-Fluorobiphenyl	6.946	172	243721	1.034	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery =	5.17%#		
65) 2,4,6-Tribromophenol	8.473	330	17831	0.786	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery =	3.93%#		
79) Terphenyl-d14	12.320	244	207160	0.957	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery =	4.78%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.776	74	72056	0.952	ug/mL	98
3) Pyridine	2.805	79	132575	0.943	ug/mL	100
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.471	93	183172	1.006	ug/ml	98
7) bis(2-Chloroethyl)ether	4.519	63	85255	1.024	ug/mL	98
9) Phenol	4.423	94	164190	1.002	ug/mL	94
10) 2-Chlorophenol	4.572	128	138678	0.982	ug/mL	96
11) 1,3-Dichlorobenzene	4.707	146	152913	1.014	ug/mL	100
12) 1,4-Dichlorobenzene	4.770	146	155110M4	1.031	ug/mL	
13) 1,2-Dichlorobenzene	4.904	146	144647	1.019	ug/mL	99
14) Benzyl alcohol	4.861	108	79927	0.959	ug/mL	96
15) bis(2-chloroisopropyl)eth	4.986	45	152332	1.079	ug/mL	99
16) 2-Methylphenol	4.953	108	112678M4	1.009	ug/mL	
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	5.203	117	58585	1.008	ug/mL	98
19) N-Nitroso-di-n-propylamin	5.102	70	83788	1.004	ug/mL	97
20) 4-Methylphenol	5.087	108	113519	0.957	ug/mL	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251603.D
Acq On : 25 Mar 2016 5:57 pm
Operator : BNA8:ML
Sample : I803251602
Misc : WG877805,MSAI34
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 27 16:05:27 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:05:23 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	5.261	77	101949	0.944	ug/mL	95
24) Isophorone	5.477	82	200503	1.034	ug/mL	98
25) 2-Nitrophenol	5.555	139	42206	0.921	ug/mL	93
26) 2,4-Dimethylphenol	5.579	107	109411	1.037	ug/mL	94
27) Benzoic acid	5.612	105	13716M4	3.641	ug/mL	
28) bis(2-Chloroethoxy)methan	5.675	93	137110	1.007	ug/mL	98
29) 2,4-Dichlorophenol	5.771	162	95862	0.940	ug/mL	99
30) 1,2,4-Trichlorobenzene	5.858	180	110677	1.014	ug/mL	99
31) Naphthalene	5.930	128	384389	1.074	ug/mL	100
32) 2-Chloroaniline	5.516	127	192015	1.023	ug/ml	100
33) 4-Chloroaniline	5.978	127	155959M4	1.012	ug/mL	
34) Hexachlorobutadiene	6.046	225	52997	1.001	ug/mL	99
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	6.431	107	95012	0.961	ug/mL	99
37) 2-Methylnaphthalene	6.590	142	244084	1.044	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.753	216	91693	1.004	ug/mL	99
40) Hexachlorocyclopentadiene	6.744	237	41480	0.844	ug/mL	96
41) 2,4,6-Trichlorophenol	6.859	196	58930	0.843	ug/mL	99
42) 2,4,5-Trichlorophenol	6.888	196	66216M4	0.956	ug/mL	
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	7.062	162	228090	1.033	ug/mL	98
46) 2-Nitroaniline	7.158	65	33100M4	0.720	ug/mL	
47) Acenaphthylene	7.466	152	380111	1.043	ug/mL	99
48) Dimethylphthalate	7.336	163	233869	0.988	ug/mL	99
49) 2,6-Dinitrotoluene	7.394	165	30758	0.920	ug/mL#	94
50) Acenaphthene	7.640	153	229450	1.054	ug/mL	99
51) 3-Nitroaniline	7.558	138	35790	0.916	ug/mL#	88
52) 2,4-Dinitrophenol	7.664	184	5022	1.913	ug/mL#	68
53) Dibenzofuran	7.818	168	294672	1.046	ug/mL	100
54) 2,3,4,6-Tetrachlorophenol	7.943	232	32826	0.761	ug/mL	99
55) 2,4-Dinitrotoluene	7.798	165	34639	0.906	ug/mL#	85
56) 4-Nitrophenol	7.721	109	19030	1.581	ug/mL#	68
57) Fluorene	8.188	166	254223	1.099	ug/mL	98
58) 4-Chlorophenyl-phenylethe	8.193	204	107323	1.076	ug/mL	97
59) Diethylphthalate	8.063	149	243954	0.975	ug/mL	98
60) 4-Nitroaniline	8.208	138	39731	0.938	ug/mL#	78
62) 4,6-Dinitro-2-methylpheno	8.241	198	9120	1.626	ug/mL#	59
63) Azobenzene	8.376	182	63023	0.978	ug/mL	81
64) n-Nitrosodiphenylamine	8.328	169	168184	1.001	ug/mL	98
66) 4-Bromophenyl-phenylether	8.786	248	56936	0.971	ug/mL	98
67) Hexachlorobenzene	8.858	284	57674	0.968	ug/mL	94

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251603.D
Acq On : 25 Mar 2016 5:57 pm
Operator : BNA8:ML
Sample : I803251602
Misc : WG877805,MSAI34
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 27 16:05:27 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:05:23 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Atrazine	0.000		0	N.D. d		
69) Pentachlorophenol	9.123	266	23666	1.297	ug/mL	98
70) Pentachloronitrobenzene	9.142	237	14052	0.888	ug/ml	95
71) Phenanthrene	9.431	178	346476	1.028	ug/mL	99
72) Anthracene	9.503	178	349324M4	1.019	ug/mL	
73) Carbazole	9.753	167	337307	1.005	ug/mL	99
74) Di-n-butylphthalate	10.389	149	414148	0.998	ug/mL	99
75) Fluoranthene	11.463	202	355362	0.998	ug/mL	100
77) Benzidine	0.000		0	N.D.		
78) Pyrene	11.906	202	364034	0.995	ug/mL	99
80) Butylbenzylphthalate	13.505	149	161772	0.875	ug/mL	96
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	14.598	228	321594	0.961	ug/mL	99
83) Chrysene	14.675	228	315611M4	0.979	ug/mL	
84) bis(2-Ethylhexyl)phthalat	14.973	149	214741	0.865	ug/mL	98
86) Di-n-octylphthalate	16.485	149	319292	0.782	ug/mL	98
87) Benzo[b]fluoranthene	16.967	252	270004	0.886	ug/mL	99
88) Benzo[k]fluoranthene	17.029	252	289526M4	0.978	ug/mL	
89) Benzo[a]pyrene	17.588	252	276829	0.946	ug/mL	99
90) Indeno[1,2,3-cd]pyrene	19.504	276	210888	0.815	ug/mL	99
91) Dibenz[a,h]anthracene	19.562	278	225418M4	0.873	ug/mL	
92) Benzo[g,h,i]perylene	19.919	276	243111	0.893	ug/mL	99

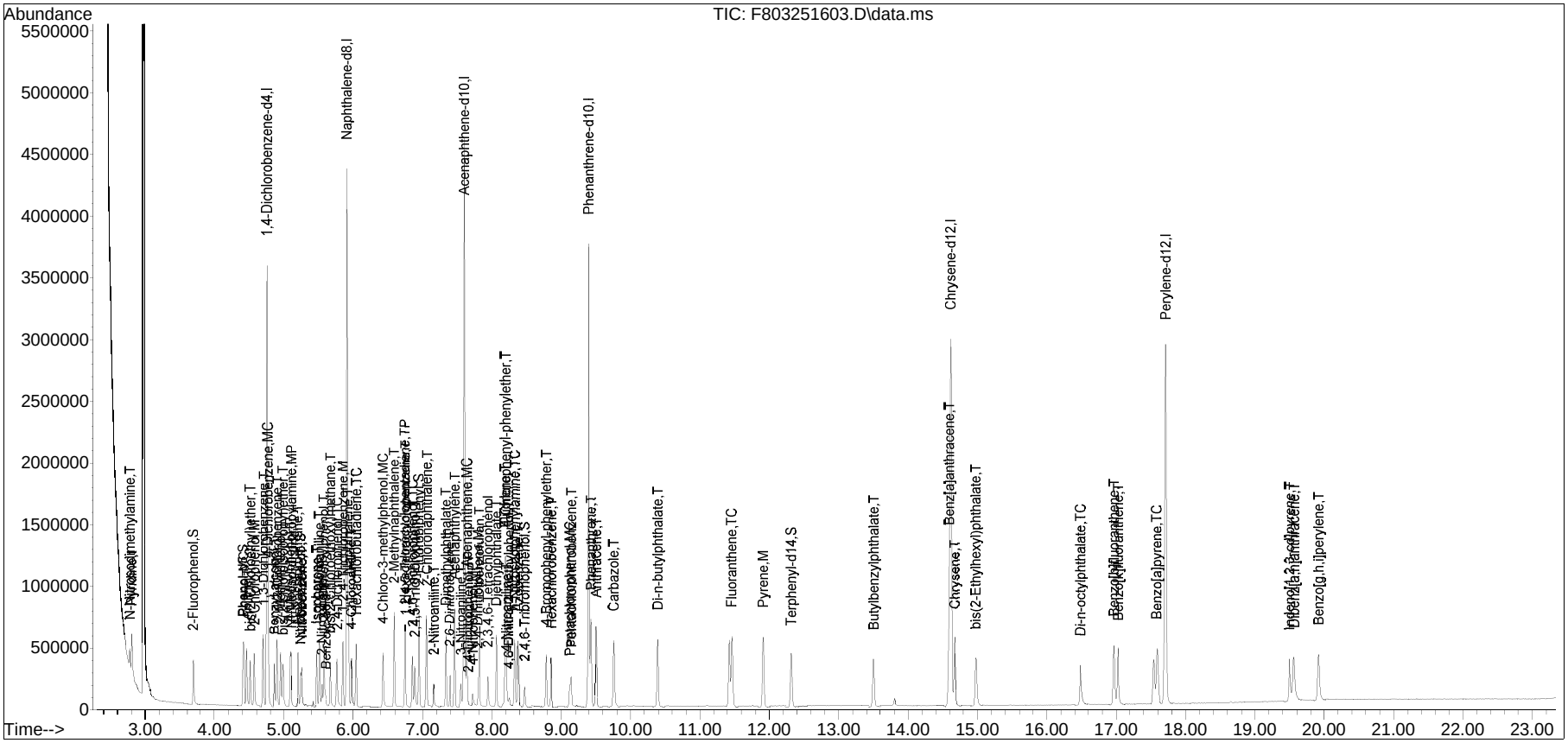
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251603.D
Acq On : 25 Mar 2016 5:57 pm
Operator : BNA8:ML
Sample : I803251602
Misc : WG877805,MSAI34
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 27 16:05:27 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:05:23 2016
Response via : Initial Calibration

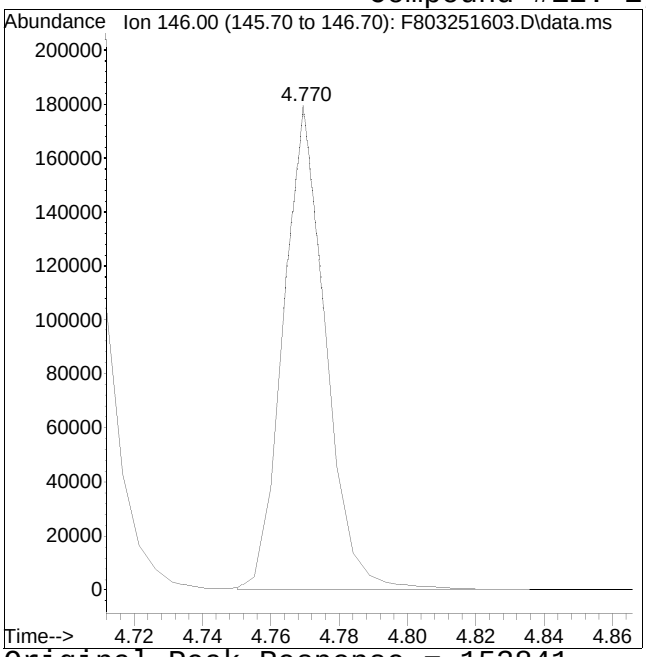
Sub List : Default - All compounds listed

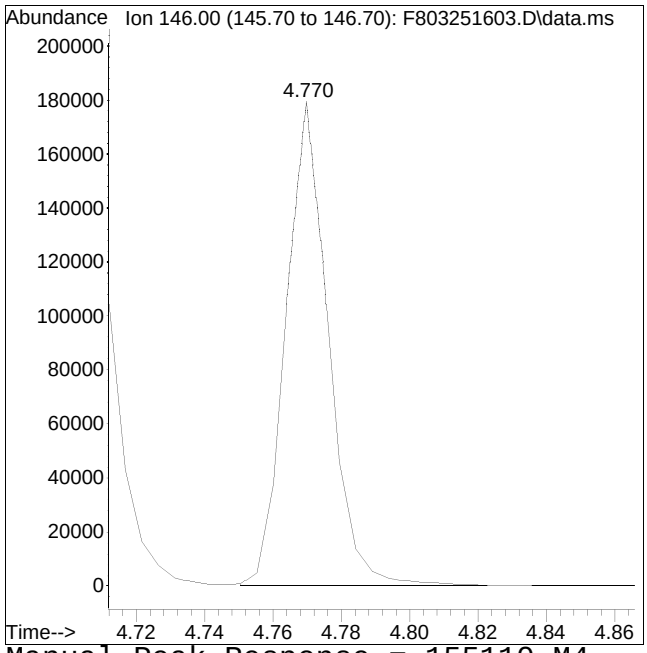


Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ Method : SV0325BNA8.M
Data File : F803251603.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 5:57 pm Instrument : BNA8
Sample : I803251602 Quant Date : 3/27/2016 4:05 pm

Compound #12: 1,4-Dichlorobenzene



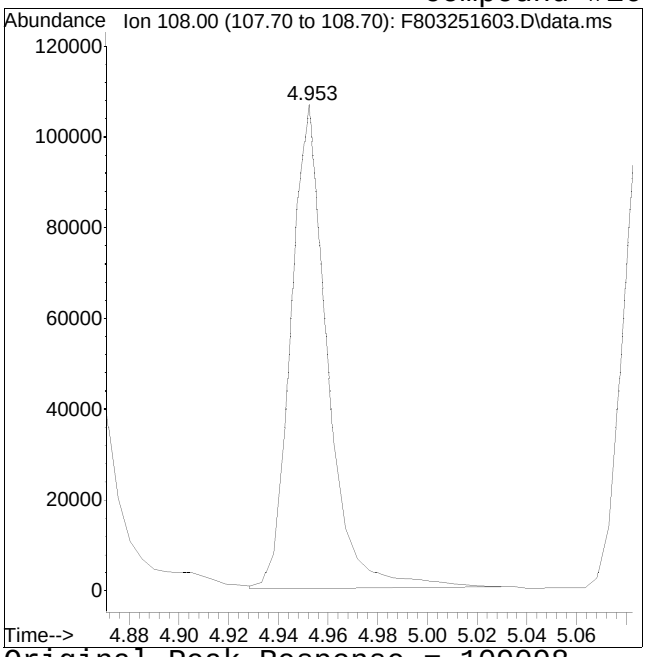


Original Peak Response = 153841 Manual Peak Response = 155110 M4
M4 = Poor automated baseline construction.

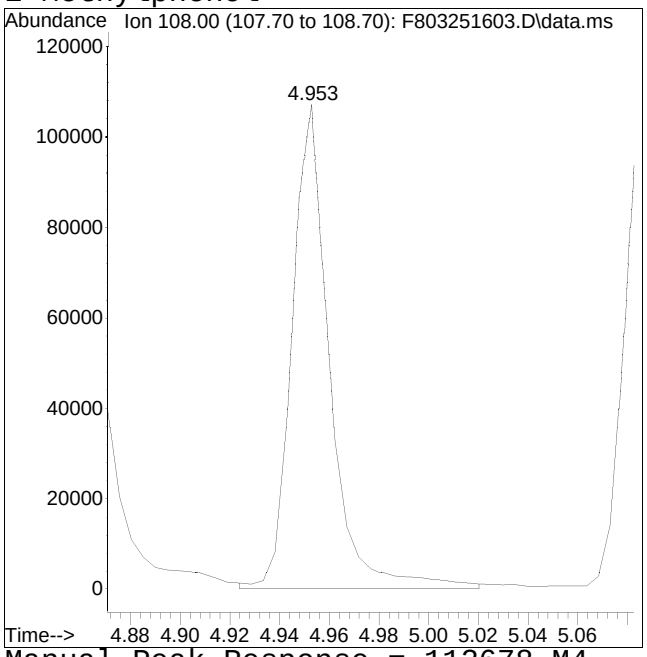
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251603.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 5:57 pm Instrument : BNA8
Sample : I803251602 Quant Date : 3/27/2016 4:05 pm

Compound #16: 2-Methylphenol



Original Peak Response = 109098



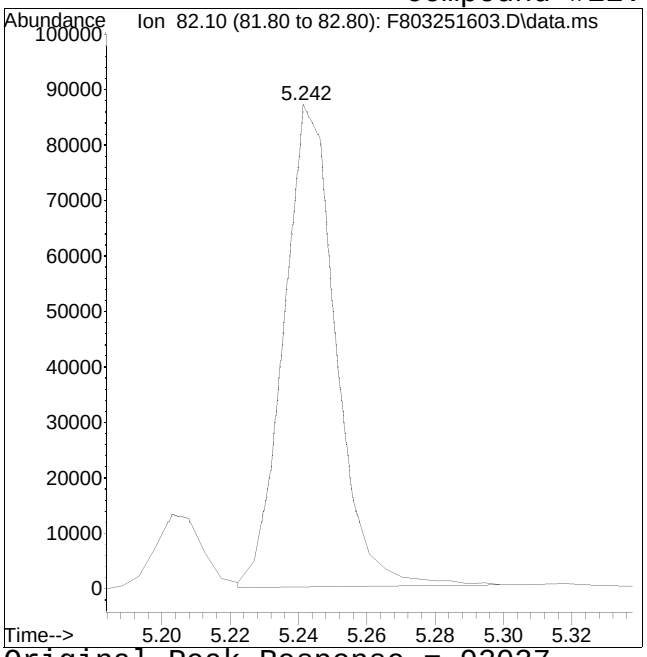
Manual Peak Response = 112678 M4

M4 = Poor automated baseline construction.

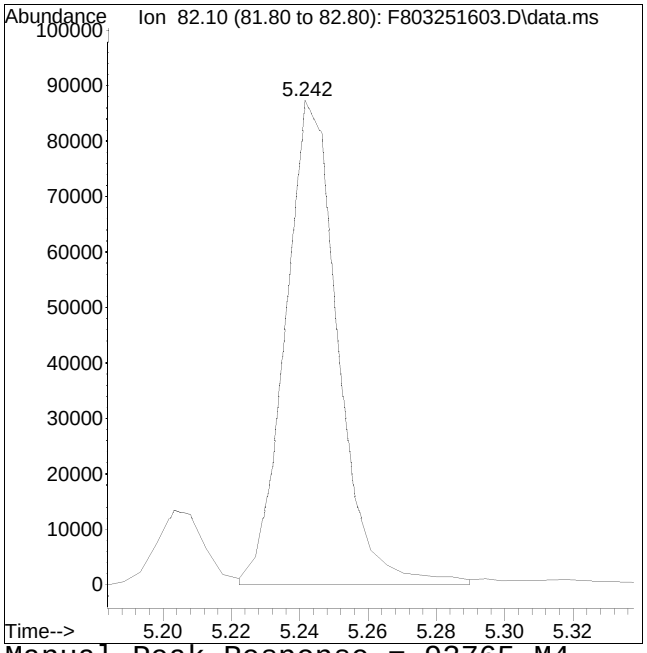
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251603.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 5:57 pm Instrument : BNA8
Sample : I803251602 Quant Date : 3/27/2016 4:05 pm

Compound #22: Nitrobenzene-d5



Original Peak Response = 92037



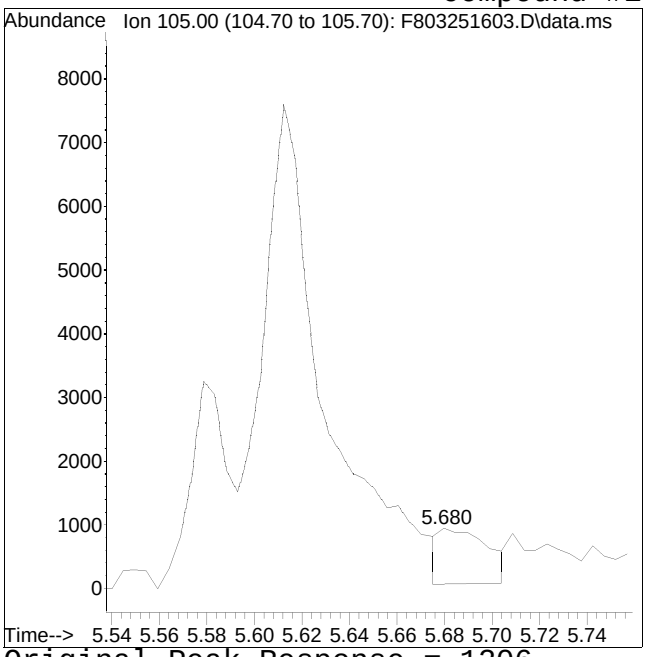
Manual Peak Response = 93765 M4

M4 = Poor automated baseline construction.

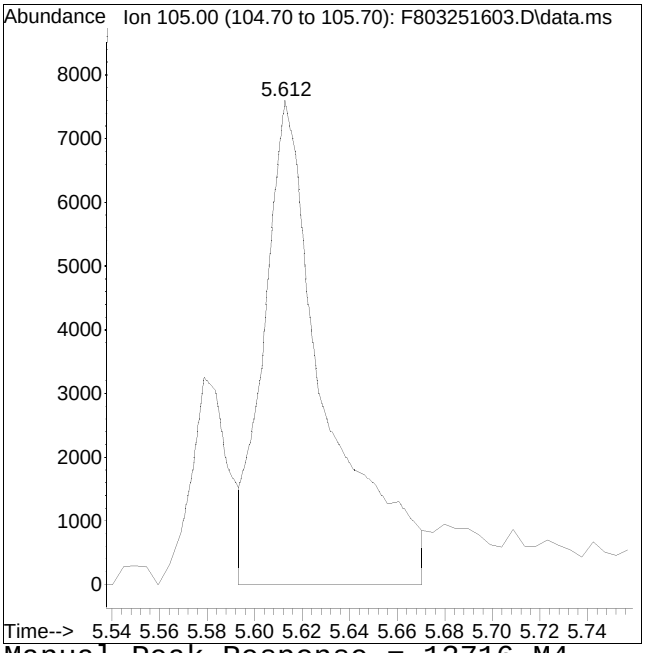
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251603.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 5:57 pm Instrument : BNA8
Sample : I803251602 Quant Date : 3/27/2016 4:05 pm

Compound #27: Benzoic acid



Original Peak Response = 1206



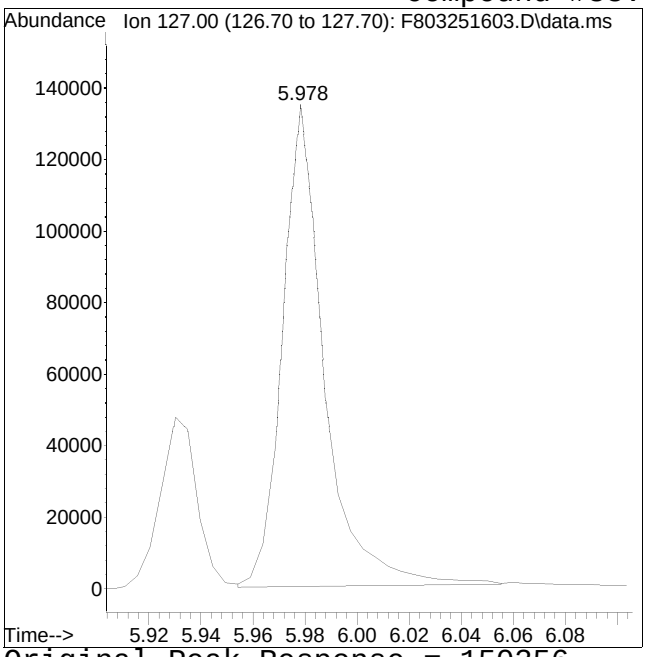
Manual Peak Response = 13716 M4

M4 = Poor automated baseline construction.

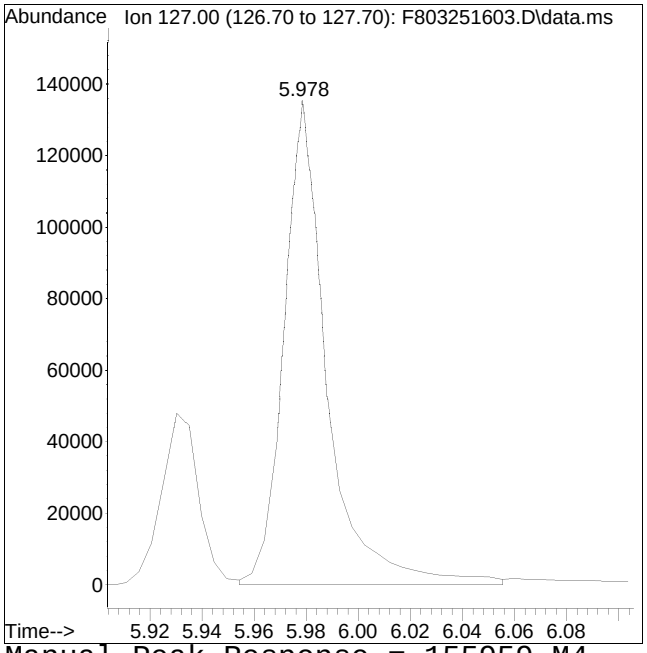
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251603.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 5:57 pm Instrument : BNA8
Sample : I803251602 Quant Date : 3/27/2016 4:05 pm

Compound #33: 4-Chloroaniline



Original Peak Response = 150356



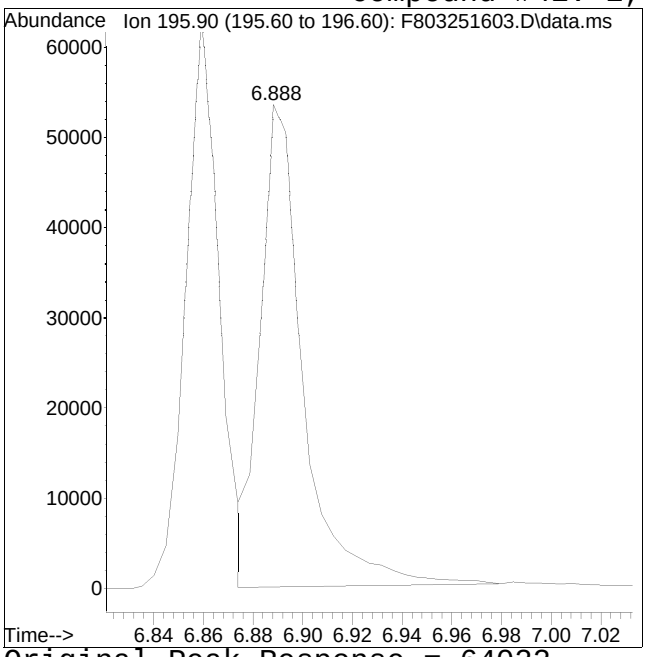
Manual Peak Response = 155959 M4

M4 = Poor automated baseline construction.

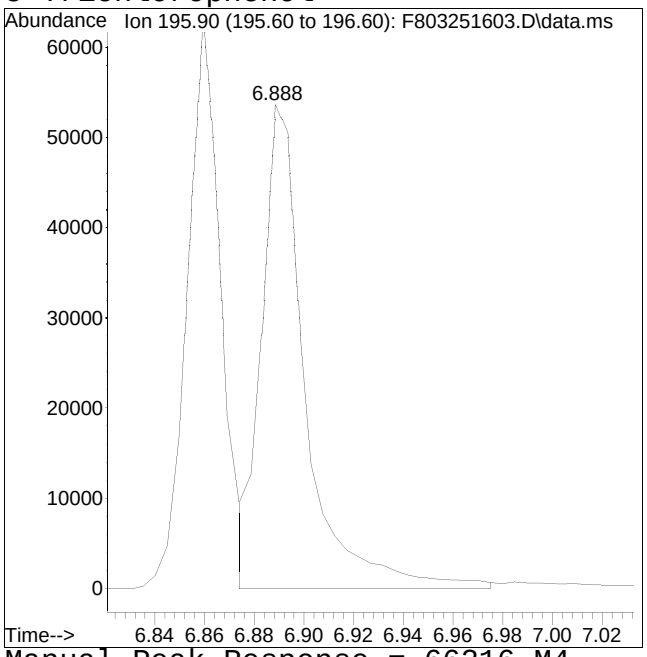
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251603.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 5:57 pm Instrument : BNA8
Sample : I803251602 Quant Date : 3/27/2016 4:05 pm

Compound #42: 2,4,5-Trichlorophenol



Original Peak Response = 64022



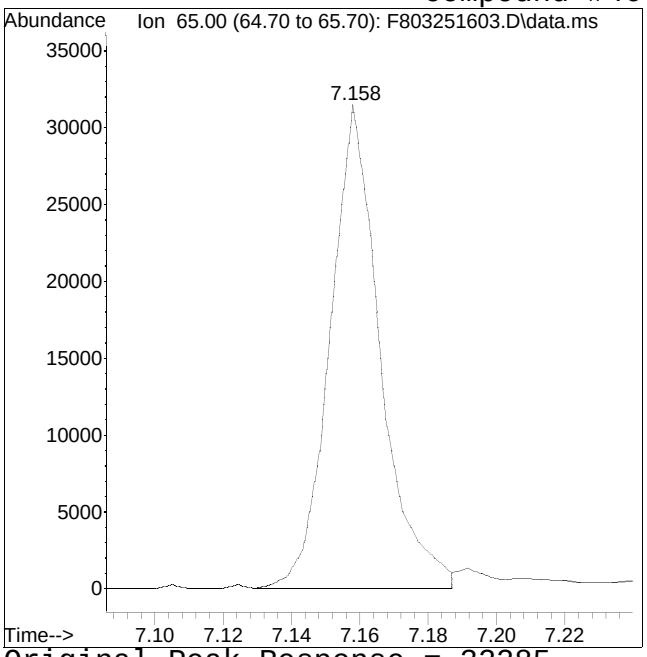
Manual Peak Response = 66216 M4

M4 = Poor automated baseline construction.

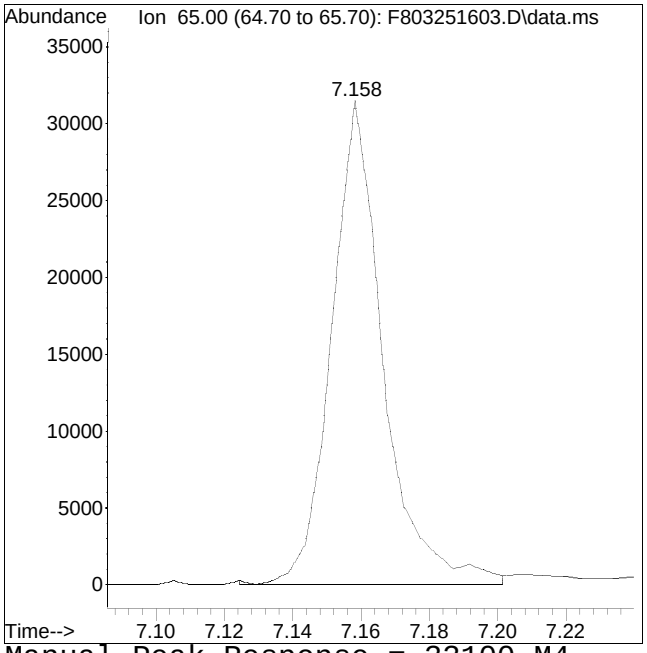
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251603.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 5:57 pm Instrument : BNA8
Sample : I803251602 Quant Date : 3/27/2016 4:05 pm

Compound #46: 2-Nitroaniline



Original Peak Response = 32285



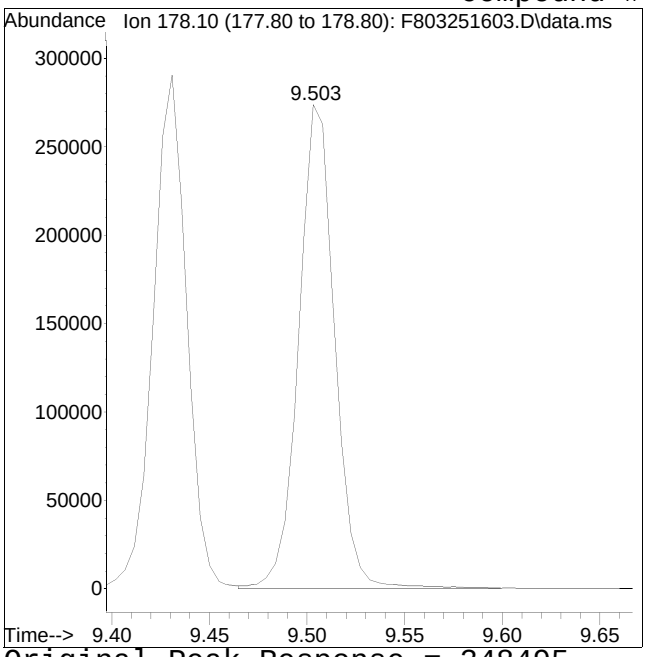
Manual Peak Response = 33100 M4

M4 = Poor automated baseline construction.

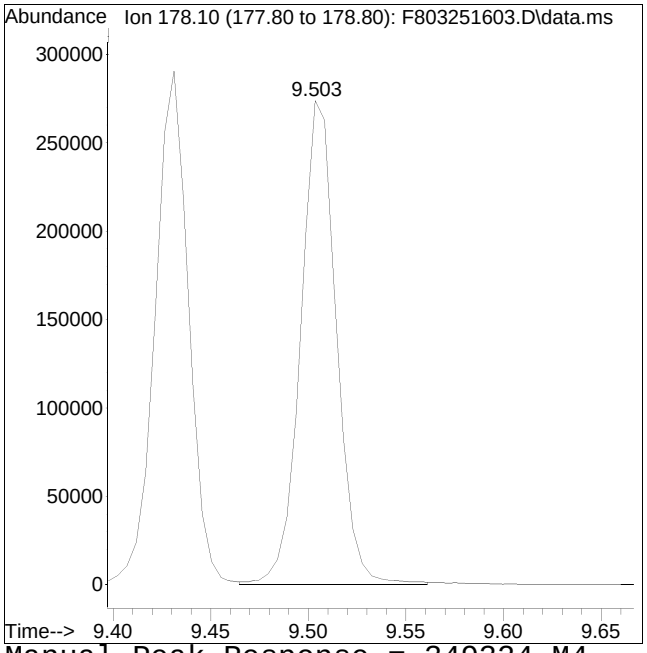
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251603.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 5:57 pm Instrument : BNA8
Sample : I803251602 Quant Date : 3/27/2016 4:05 pm

Compound #72: Anthracene



Original Peak Response = 348495



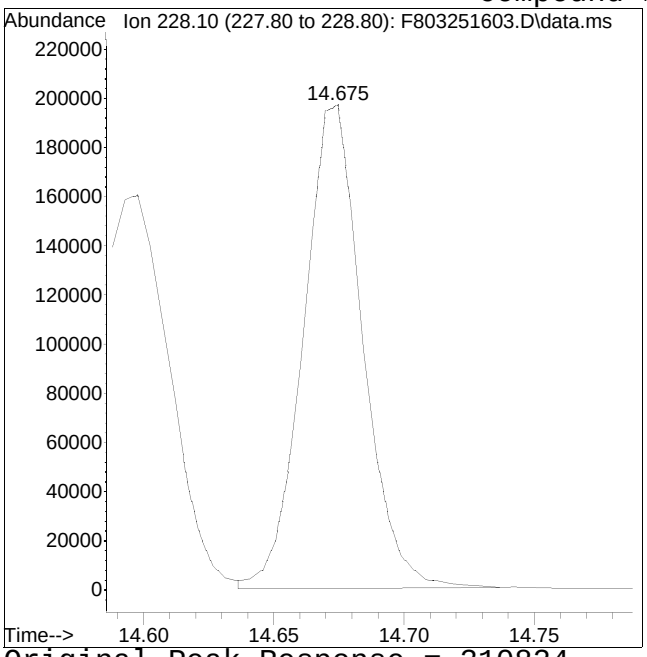
Manual Peak Response = 349324 M4

M4 = Poor automated baseline construction.

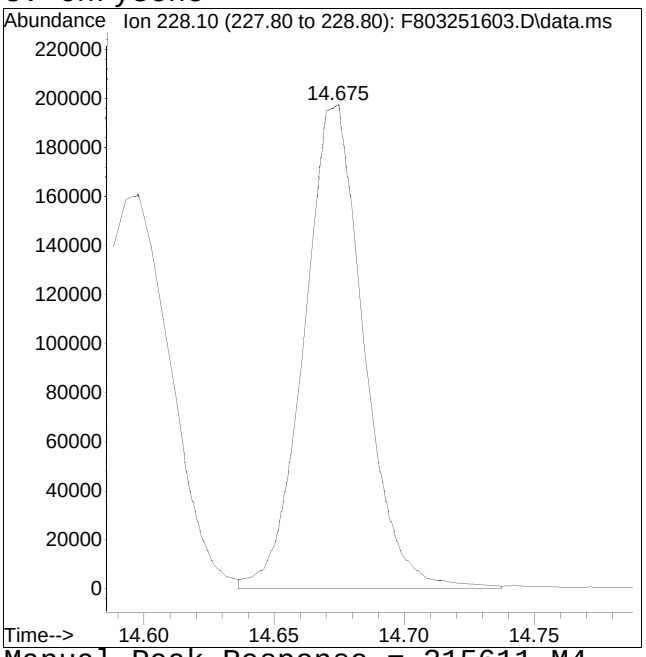
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251603.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 5:57 pm Instrument : BNA8
Sample : I803251602 Quant Date : 3/27/2016 4:05 pm

Compound #83: Chrysene



Original Peak Response = 310824



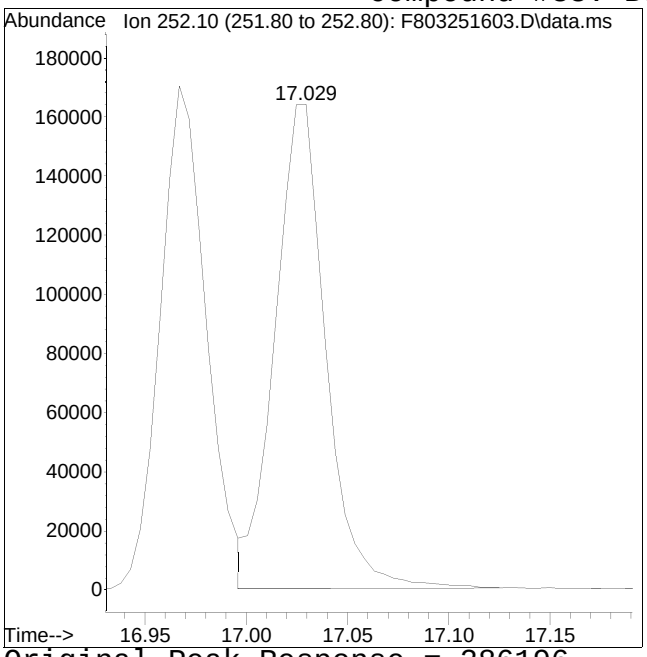
Manual Peak Response = 315611 M4

M4 = Poor automated baseline construction.

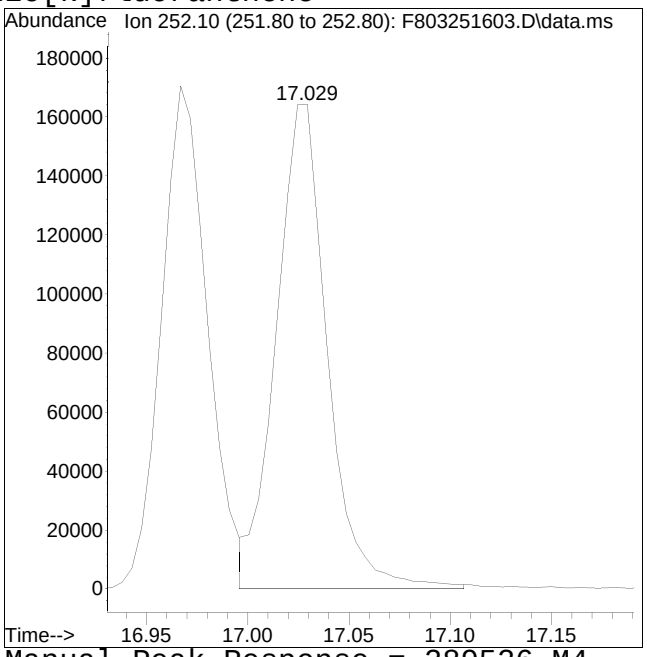
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251603.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 5:57 pm Instrument : BNA8
Sample : I803251602 Quant Date : 3/27/2016 4:05 pm

Compound #88: Benzo[k]fluoranthene



Original Peak Response = 286196



Manual Peak Response = 289526 M4

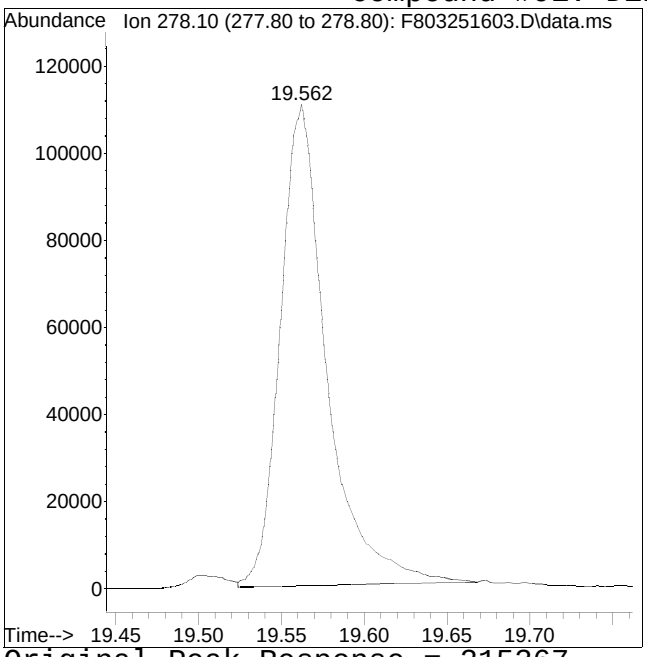
M4 = Poor automated baseline construction.

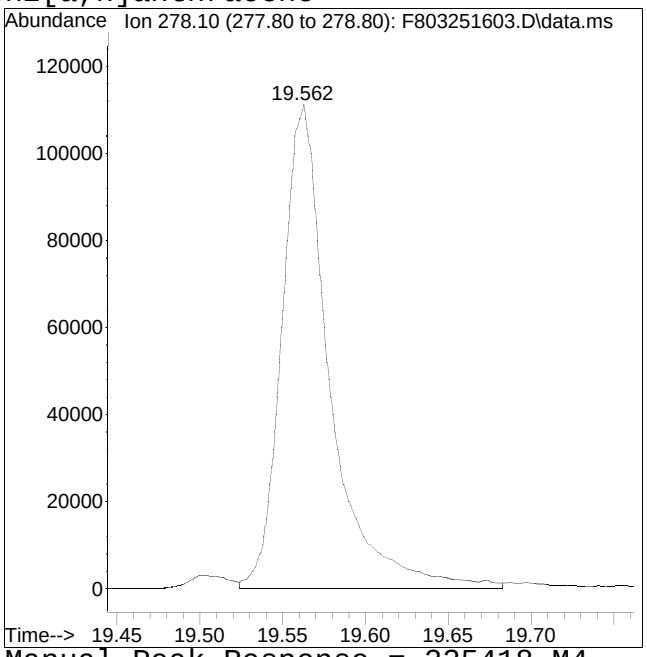
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\
Data File : F803251603.D
Date Inj'd : 3/25/2016 5:57 pm
Sample : I803251602

QMethod : SV0325BNA8.M
Operator : BNA8:ML
Instrument : BNA8
Quant Date : 3/27/2016 4:05 pm

Compound #91: Dibenz[a,h]anthracene





Original Peak Response = 215367 Manual Peak Response = 225418 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251604.D
Acq On : 25 Mar 2016 6:28 pm
Operator : BNA8:ML
Sample : I803251603
Misc : WG877805,MSAI33
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 27 16:05:35 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:05:31 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.750	152	574744	5.000	ug/mL	0.00
21) Naphthalene-d8	5.911	136	2148980	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.606	164	1002598	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.397	188	1821331	5.000	ug/mL	0.00
76) Chrysene-d12	14.617	240	1689076	5.000	ug/mL	0.00
85) Perylene-d12	17.708	264	1590516	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.691	112	253376	1.985	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 9.93%#			
8) Phenol-d5	4.408	99	309318	2.008	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 10.04%			
22) Nitrobenzene-d5	5.241	82	198121M4	1.922	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 9.61%#			
43) 2-Fluorobiphenyl	6.946	172	489534	2.096	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 10.48%#			
65) 2,4,6-Tribromophenol	8.468	330	40150	1.799	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 9.00%#			
79) Terphenyl-d14	12.315	244	427473	1.979	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 9.90%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.776	74	143404	1.900	ug/mL#	90
3) Pyridine	2.800	79	275763	1.967	ug/mL	99
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.471	93	378225	2.084	ug/ml	99
7) bis(2-Chloroethyl)ether	4.514	63	171603	2.068	ug/mL	96
9) Phenol	4.418	94	336488	2.059	ug/mL	94
10) 2-Chlorophenol	4.567	128	282229	2.005	ug/mL	96
11) 1,3-Dichlorobenzene	4.702	146	310079	2.062	ug/mL	100
12) 1,4-Dichlorobenzene	4.770	146	313782M3	2.093	ug/mL	
13) 1,2-Dichlorobenzene	4.900	146	295626	2.089	ug/mL	100
14) Benzyl alcohol	4.861	108	157157	1.892	ug/mL	92
15) bis(2-chloroisopropyl)eth	4.981	45	301260	2.139	ug/mL	98
16) 2-Methylphenol	4.948	108	228025M4	2.049	ug/mL	
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	5.203	117	119805	2.067	ug/mL	97
19) N-Nitroso-di-n-propylamin	5.097	70	170361	2.047	ug/mL	97
20) 4-Methylphenol	5.083	108	233736	1.977	ug/mL	97

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251604.D
Acq On : 25 Mar 2016 6:28 pm
Operator : BNA8:ML
Sample : I803251603
Misc : WG877805,MSAI33
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 27 16:05:35 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:05:31 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	5.256	77	215593	2.014	ug/mL	98
24) Isophorone	5.477	82	400366	2.083	ug/mL	100
25) 2-Nitrophenol	5.550	139	98676	1.787	ug/mL	96
26) 2,4-Dimethylphenol	5.579	107	219694	2.102	ug/mL	98
27) Benzoic acid	5.622	105	41523M4	3.943	ug/mL	
28) bis(2-Chloroethoxy)methan	5.675	93	275733	2.044	ug/mL	98
29) 2,4-Dichlorophenol	5.766	162	202549	2.003	ug/mL	100
30) 1,2,4-Trichlorobenzene	5.853	180	224184	2.072	ug/mL	100
31) Naphthalene	5.930	128	763274	2.152	ug/mL	100
32) 2-Chloroaniline	5.516	127	390871	2.101	ug/ml	99
33) 4-Chloroaniline	5.978	127	315103M4	2.062	ug/mL	
34) Hexachlorobutadiene	6.046	225	106502	2.030	ug/mL	99
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	6.431	107	201502	2.058	ug/mL	98
37) 2-Methylnaphthalene	6.590	142	495808	2.139	ug/mL	100
39) 1,2,4,5-Tetrachlorobenzen	6.749	216	188371	2.082	ug/mL	99
40) Hexachlorocyclopentadiene	6.739	237	90059	1.848	ug/mL	100
41) 2,4,6-Trichlorophenol	6.859	196	129415	1.868	ug/mL	99
42) 2,4,5-Trichlorophenol	6.888	196	136289M4	1.985	ug/mL	
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	7.062	162	455978	2.084	ug/mL	99
46) 2-Nitroaniline	7.158	65	80656	1.771	ug/mL	90
47) Acenaphthylene	7.461	152	766878	2.123	ug/mL	99
48) Dimethylphthalate	7.336	163	463594	1.976	ug/mL	99
49) 2,6-Dinitrotoluene	7.394	165	74089	1.762	ug/mL	95
50) Acenaphthene	7.639	153	464312	2.153	ug/mL	98
51) 3-Nitroaniline	7.558	138	88019	1.790	ug/mL#	89
52) 2,4-Dinitrophenol	7.664	184	13692	2.245	ug/mL#	65
53) Dibenzofuran	7.818	168	593835	2.127	ug/mL	100
54) 2,3,4,6-Tetrachlorophenol	7.943	232	75727	1.771	ug/mL	99
55) 2,4-Dinitrotoluene	7.798	165	90456	1.652	ug/mL#	88
56) 4-Nitrophenol	7.721	109	41919	2.292	ug/mL	82
57) Fluorene	8.188	166	502734	2.194	ug/mL	100
58) 4-Chlorophenyl-phenylethe	8.193	204	216712	2.193	ug/mL	99
59) Diethylphthalate	8.063	149	495077	1.997	ug/mL	98
60) 4-Nitroaniline	8.208	138	95786M4	1.816	ug/mL	
62) 4,6-Dinitro-2-methylpheno	8.241	198	26673	2.085	ug/mL#	97
63) Azobenzene	8.376	182	128241	2.022	ug/mL	83
64) n-Nitrosodiphenylamine	8.328	169	337046	2.040	ug/mL	98
66) 4-Bromophenyl-phenylether	8.786	248	113790	1.972	ug/mL	97
67) Hexachlorobenzene	8.858	284	116981	1.995	ug/mL	96

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251604.D
Acq On : 25 Mar 2016 6:28 pm
Operator : BNA8:ML
Sample : I803251603
Misc : WG877805,MSAI33
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 27 16:05:35 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:05:31 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Atrazine	0.000		0	N.D.	d	
69) Pentachlorophenol	9.123	266	57397M4	1.965	ug/mL	
70) Pentachloronitrobenzene	9.142	237	34539	1.803	ug/ml	92
71) Phenanthrene	9.431	178	690222	2.083	ug/mL	100
72) Anthracene	9.503	178	711392M4	2.110	ug/mL	
73) Carbazole	9.753	167	682675	2.068	ug/mL	99
74) Di-n-butylphthalate	10.389	149	851971	2.088	ug/mL	99
75) Fluoranthene	11.468	202	724101	2.067	ug/mL	99
77) Benzidine	0.000		0	N.D.		
78) Pyrene	11.911	202	747386	2.047	ug/mL	99
80) Butylbenzylphthalate	13.500	149	362275	1.965	ug/mL	98
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	14.598	228	658238	1.971	ug/mL	99
83) Chrysene	14.675	228	650919M4	2.024	ug/mL	
84) bis(2-Ethylhexyl)phthalat	14.973	149	503431	2.033	ug/mL	99
86) Di-n-octylphthalate	16.485	149	900463	2.215	ug/mL	99
87) Benzo[b]fluoranthene	16.972	252	589776	1.943	ug/mL	100
88) Benzo[k]fluoranthene	17.025	252	595897M4	2.022	ug/mL	
89) Benzo[a]pyrene	17.593	252	582009	1.997	ug/mL	99
90) Indeno[1,2,3-cd]pyrene	19.509	276	475644	1.846	ug/mL	99
91) Dibenz[a,h]anthracene	19.562	278	494613M4	1.923	ug/mL	
92) Benzo[g,h,i]perylene	19.923	276	522678	1.928	ug/mL	99

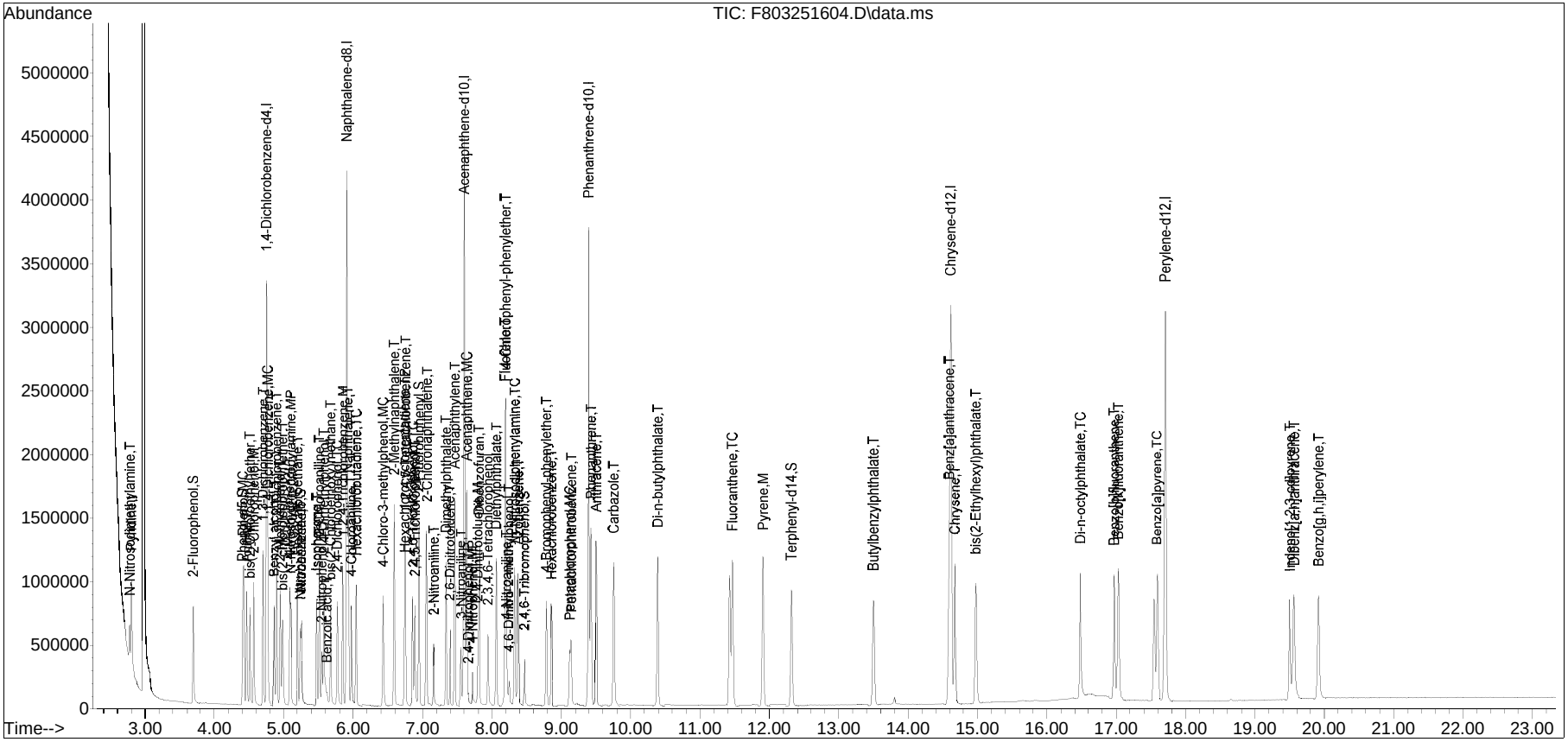
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251604.D
Acq On : 25 Mar 2016 6:28 pm
Operator : BNA8:ML
Sample : I803251603
Misc : WG877805,MSAI33
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 27 16:05:35 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:05:31 2016
Response via : Initial Calibration

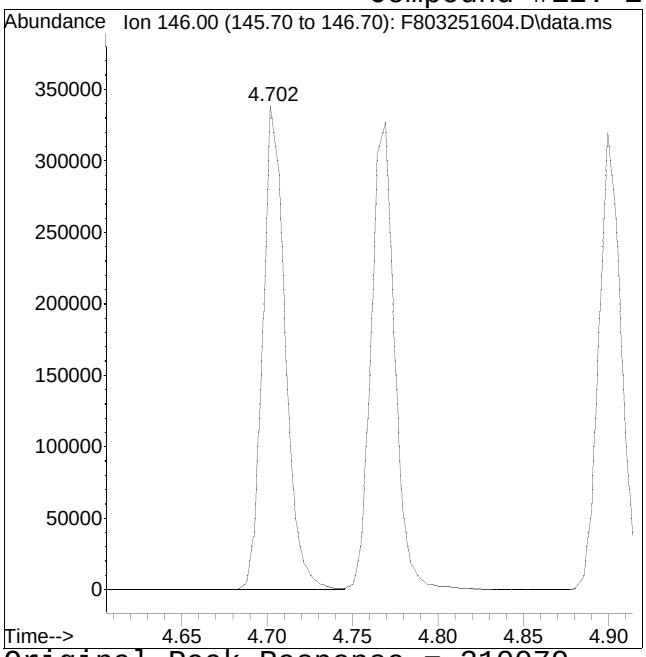
Sub List : Default - All compounds listed

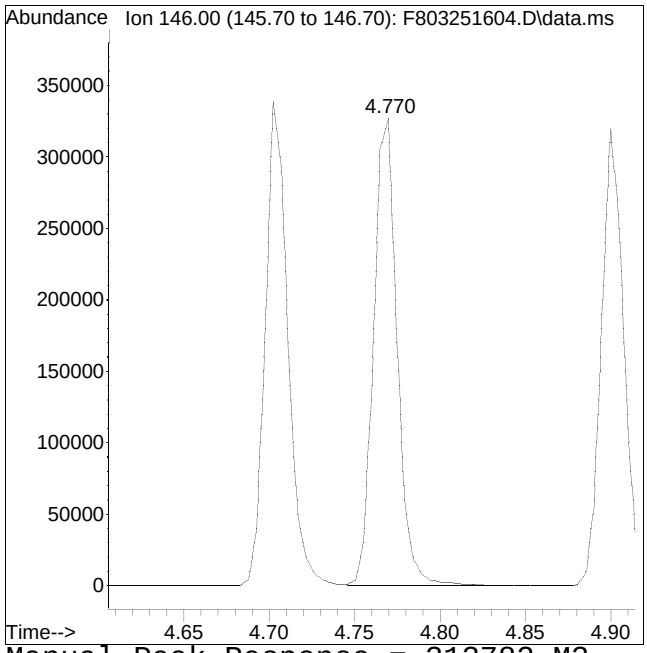


Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ Method : SV0325BNA8.M
Data File : F803251604.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 6:28 pm Instrument : BNA8
Sample : I803251603 Quant Date : 3/27/2016 4:05 pm

Compound #12: 1,4-Dichlorobenzene





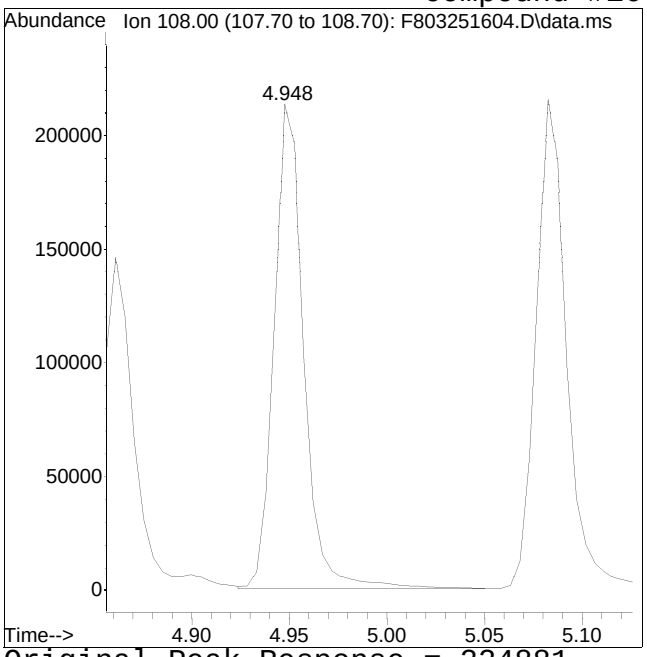
Original Peak Response = 310079 Manual Peak Response = 313782 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

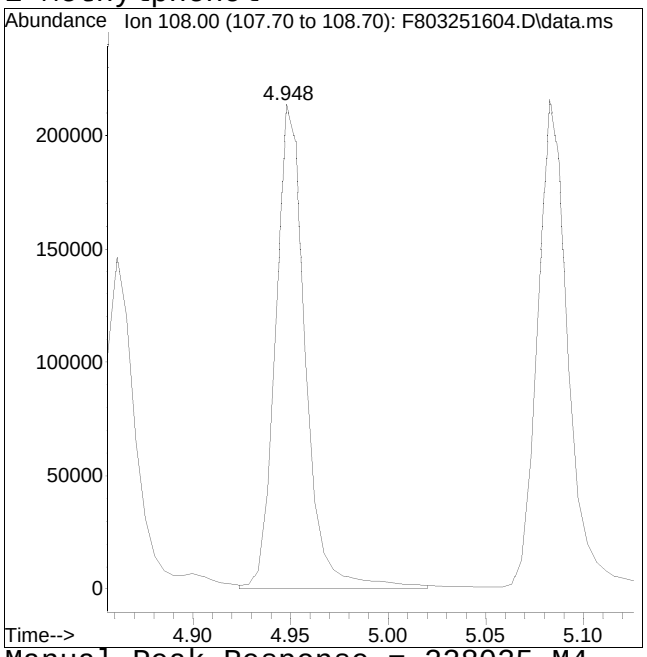
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251604.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 6:28 pm Instrument : BNA8
Sample : I803251603 Quant Date : 3/27/2016 4:05 pm

Compound #16: 2-Methylphenol



Original Peak Response = 224881



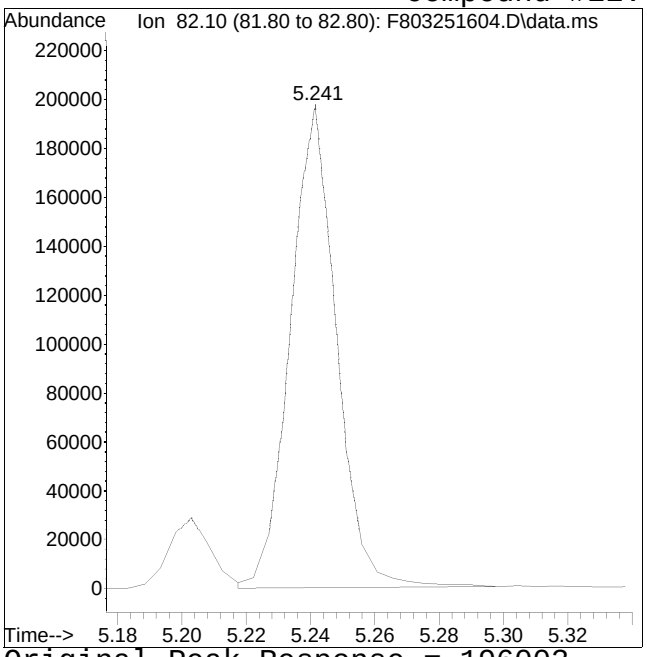
Manual Peak Response = 228025 M4

M4 = Poor automated baseline construction.

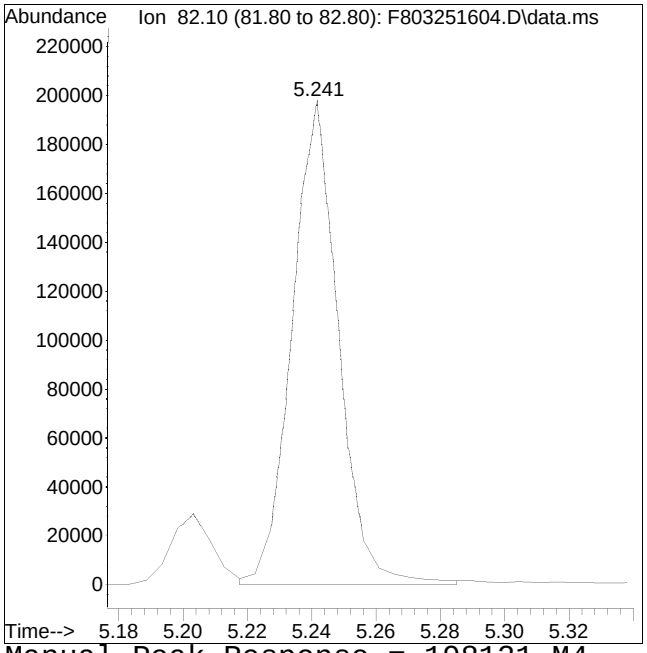
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251604.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 6:28 pm Instrument : BNA8
Sample : I803251603 Quant Date : 3/27/2016 4:05 pm

Compound #22: Nitrobenzene-d5



Original Peak Response = 196003



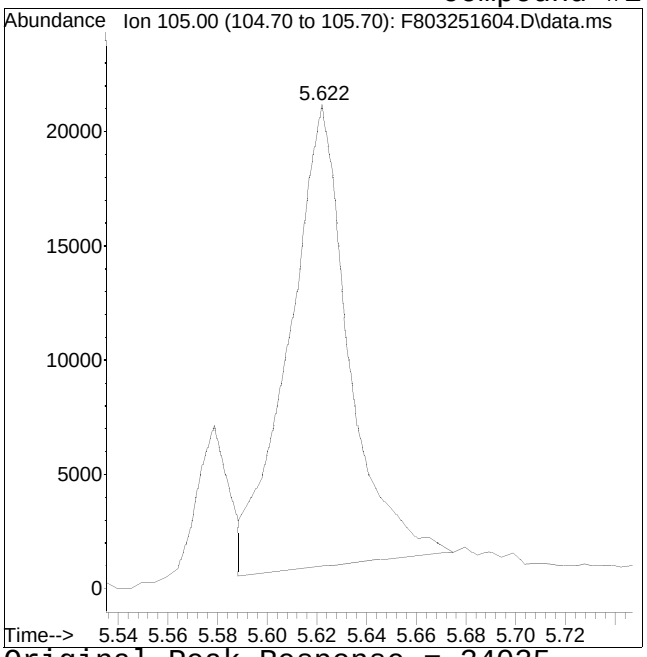
Manual Peak Response = 198121 M4

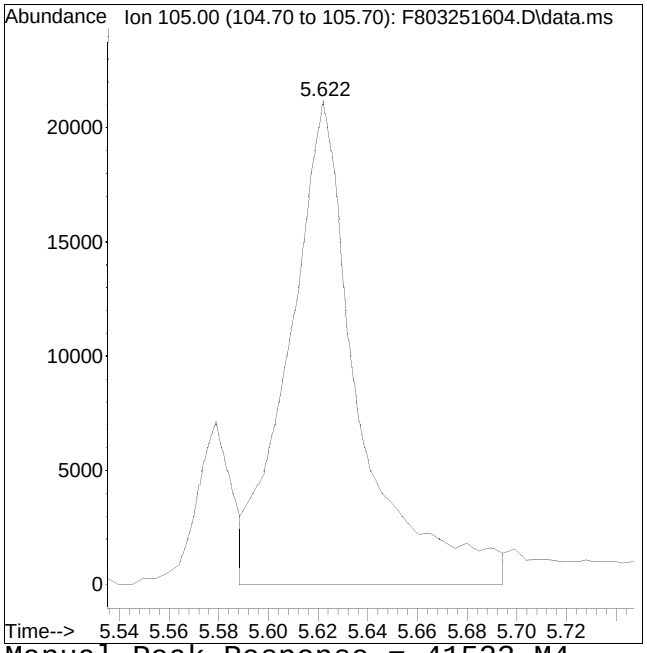
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251604.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 6:28 pm Instrument : BNA8
Sample : I803251603 Quant Date : 3/27/2016 4:05 pm

Compound #27: Benzoic acid



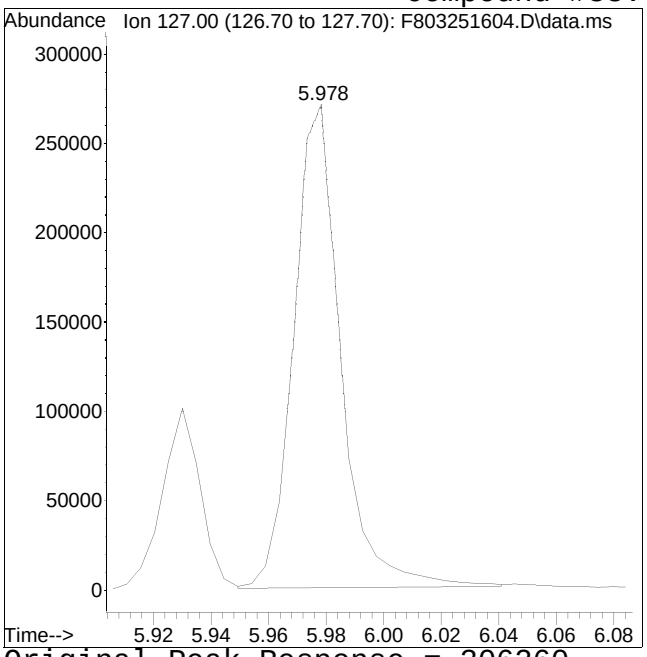


Original Peak Response = 34035 Manual Peak Response = 41523 M4
M4 = Poor automated baseline construction.

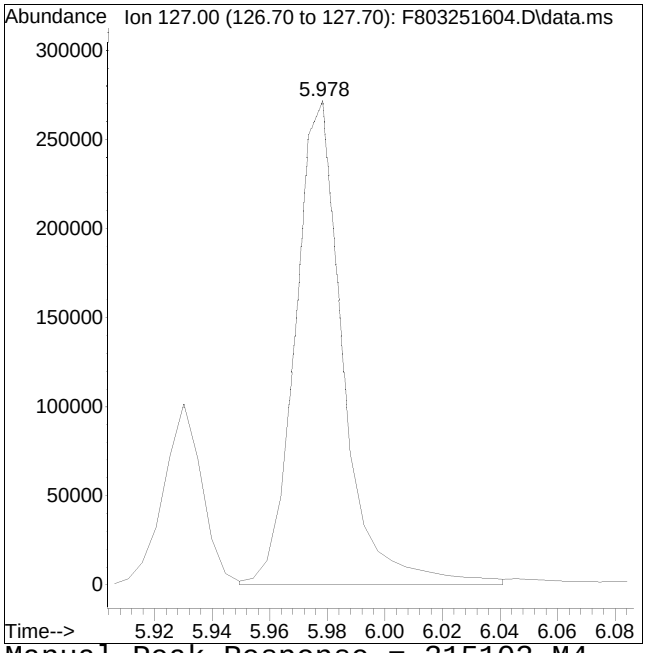
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251604.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 6:28 pm Instrument : BNA8
Sample : I803251603 Quant Date : 3/27/2016 4:05 pm

Compound #33: 4-Chloroaniline



Original Peak Response = 306260



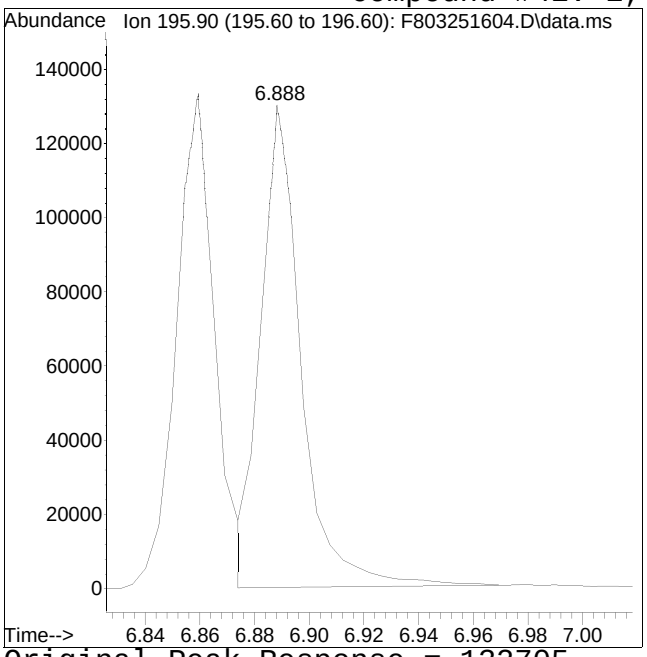
Manual Peak Response = 315103 M4

M4 = Poor automated baseline construction.

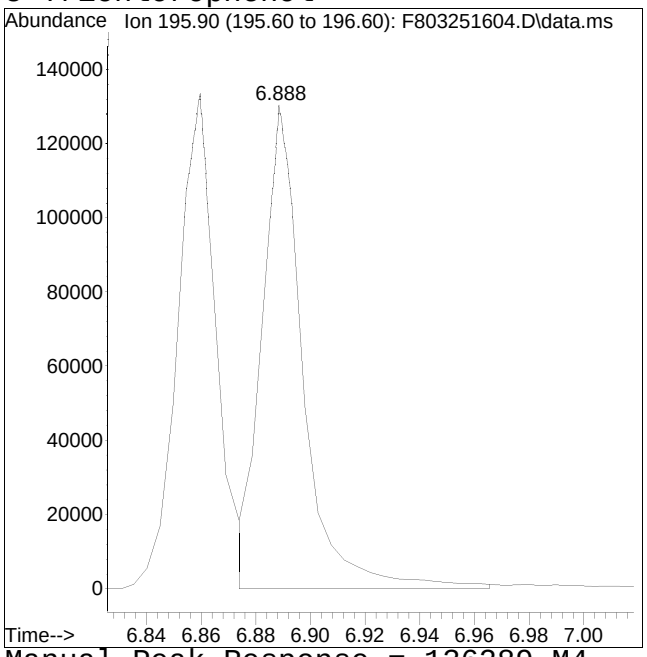
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251604.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 6:28 pm Instrument : BNA8
Sample : I803251603 Quant Date : 3/27/2016 4:05 pm

Compound #42: 2,4,5-Trichlorophenol



Original Peak Response = 132705



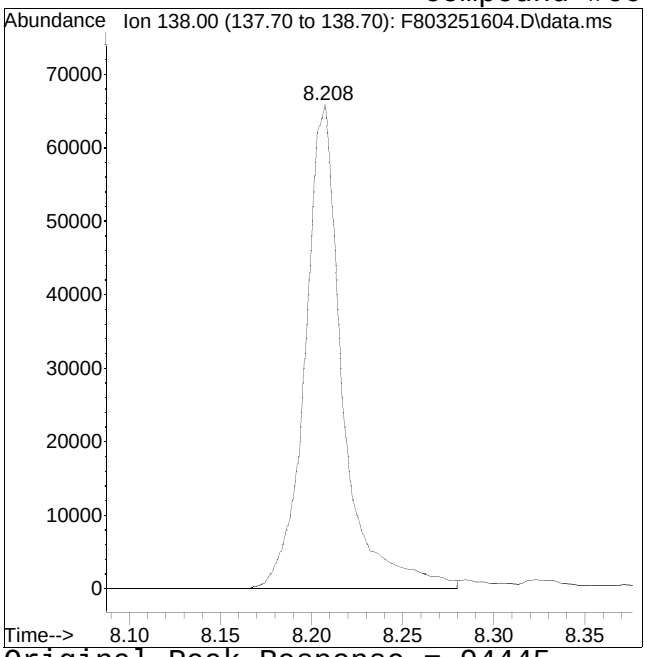
Manual Peak Response = 136289 M4

M4 = Poor automated baseline construction.

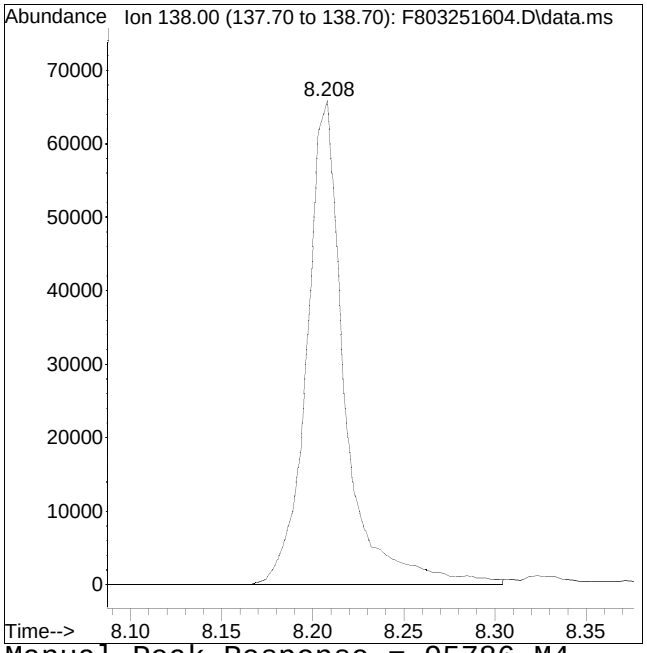
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251604.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 6:28 pm Instrument : BNA8
Sample : I803251603 Quant Date : 3/27/2016 4:05 pm

Compound #60: 4-Nitroaniline



Original Peak Response = 94445



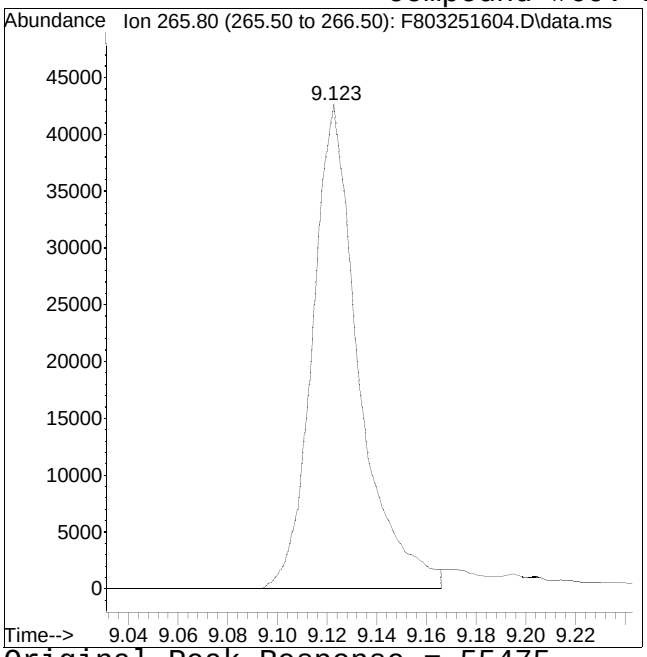
Manual Peak Response = 95786 M4

M4 = Poor automated baseline construction.

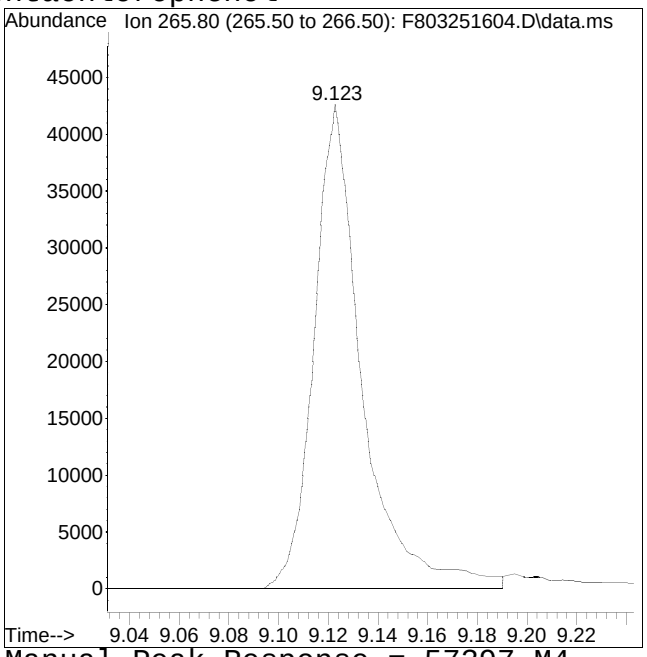
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251604.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 6:28 pm Instrument : BNA8
Sample : I803251603 Quant Date : 3/27/2016 4:05 pm

Compound #69: Pentachlorophenol



Original Peak Response = 55475



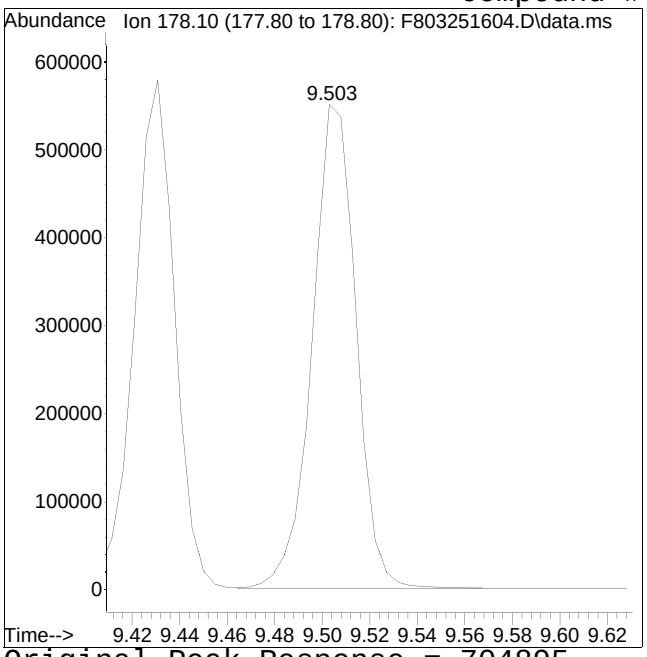
Manual Peak Response = 57397 M4

M4 = Poor automated baseline construction.

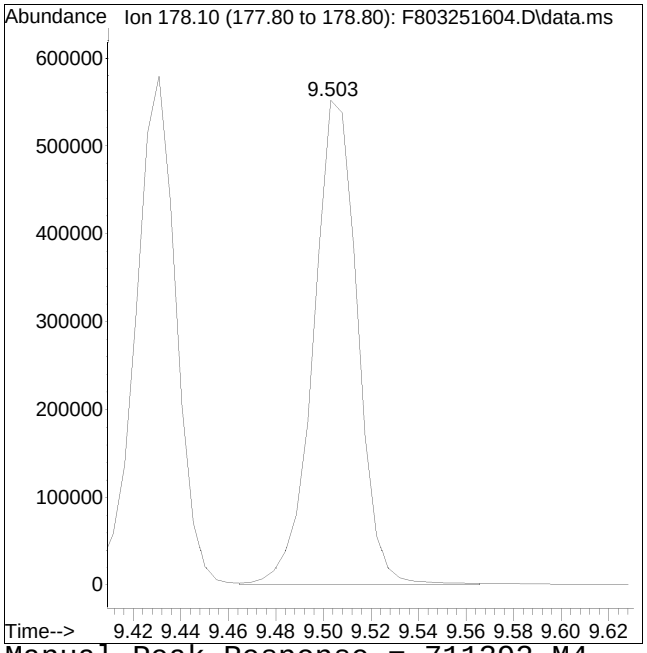
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251604.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 6:28 pm Instrument : BNA8
Sample : I803251603 Quant Date : 3/27/2016 4:05 pm

Compound #72: Anthracene



Original Peak Response = 704895



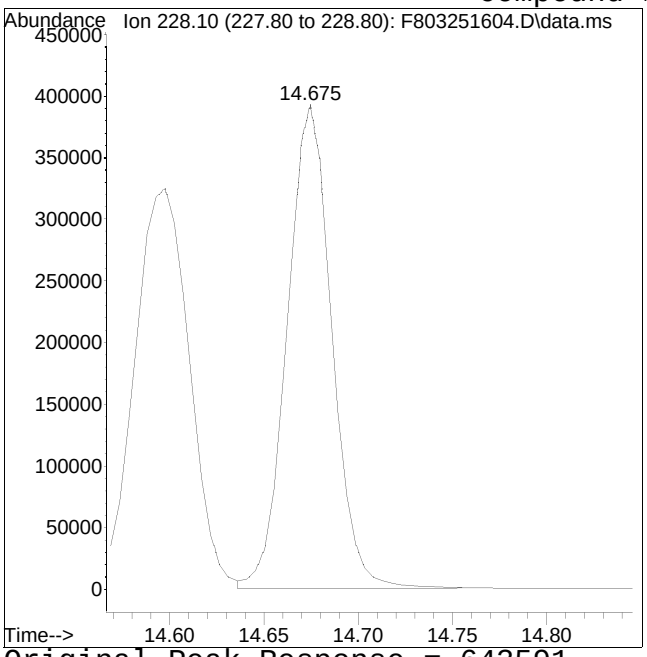
Manual Peak Response = 711392 M4

M4 = Poor automated baseline construction.

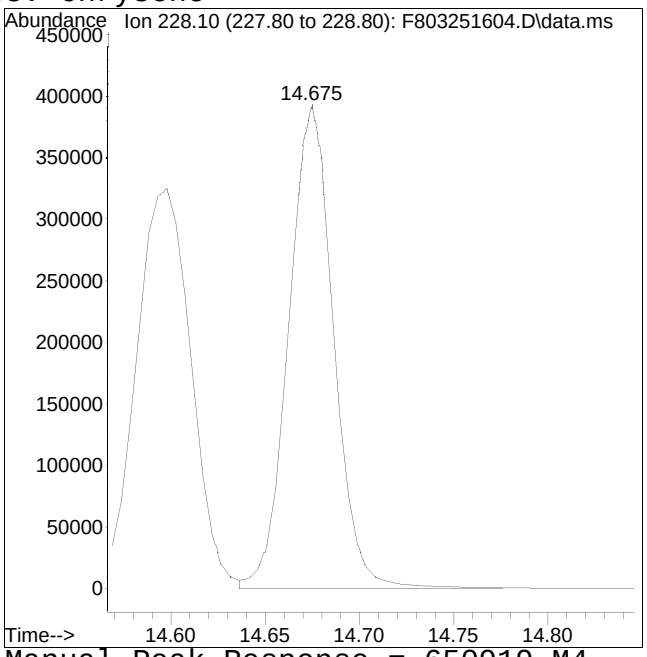
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251604.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 6:28 pm Instrument : BNA8
Sample : I803251603 Quant Date : 3/27/2016 4:05 pm

Compound #83: Chrysene



Original Peak Response = 643591



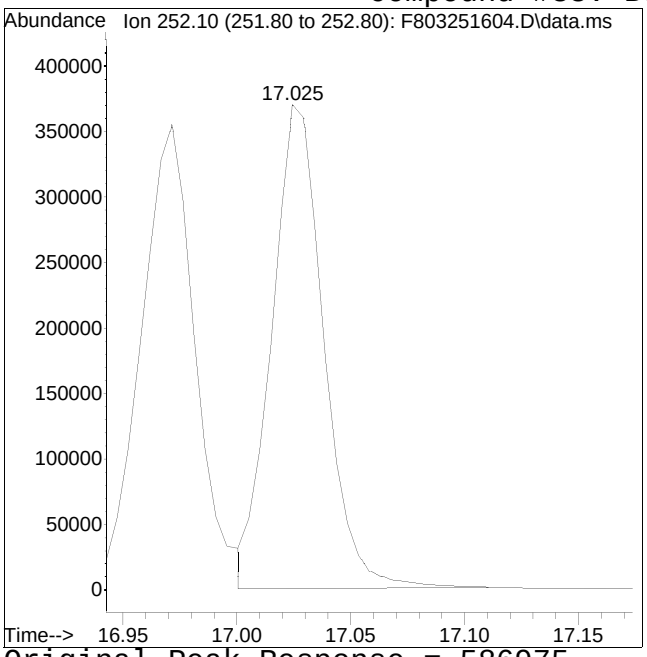
Manual Peak Response = 650919 M4

M4 = Poor automated baseline construction.

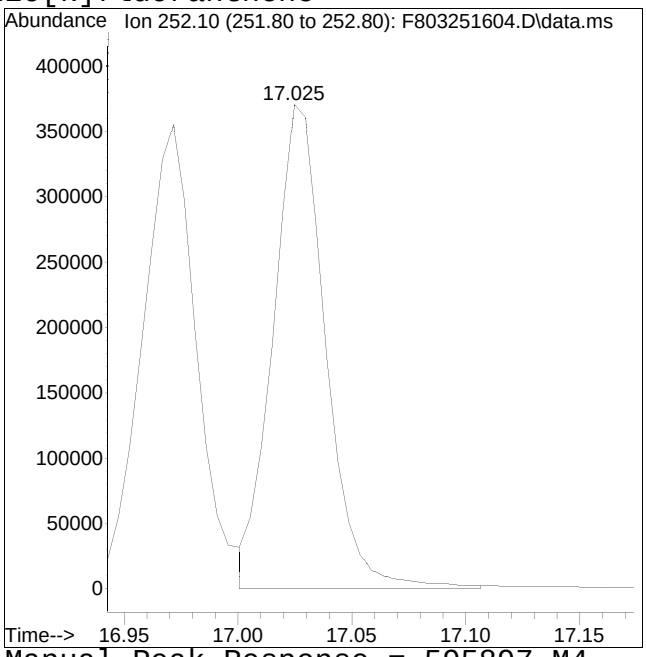
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251604.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 6:28 pm Instrument : BNA8
Sample : I803251603 Quant Date : 3/27/2016 4:05 pm

Compound #88: Benzo[k]fluoranthene



Original Peak Response = 586975



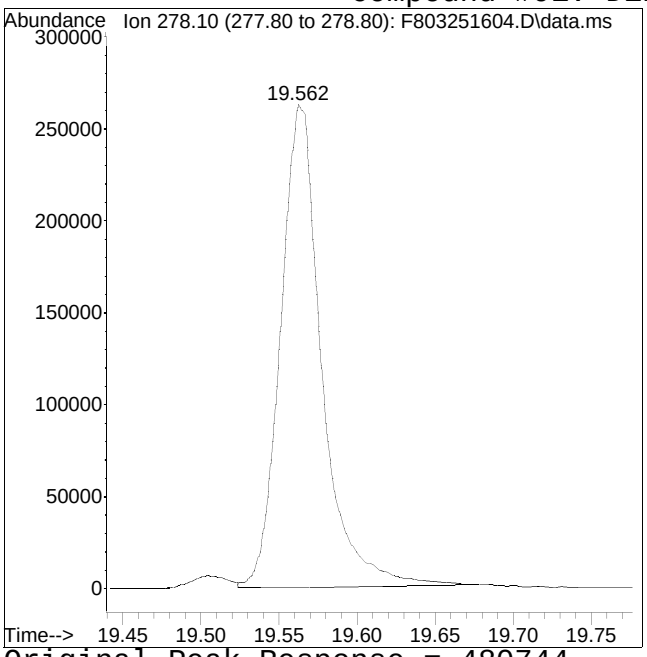
Manual Peak Response = 595897 M4

M4 = Poor automated baseline construction.

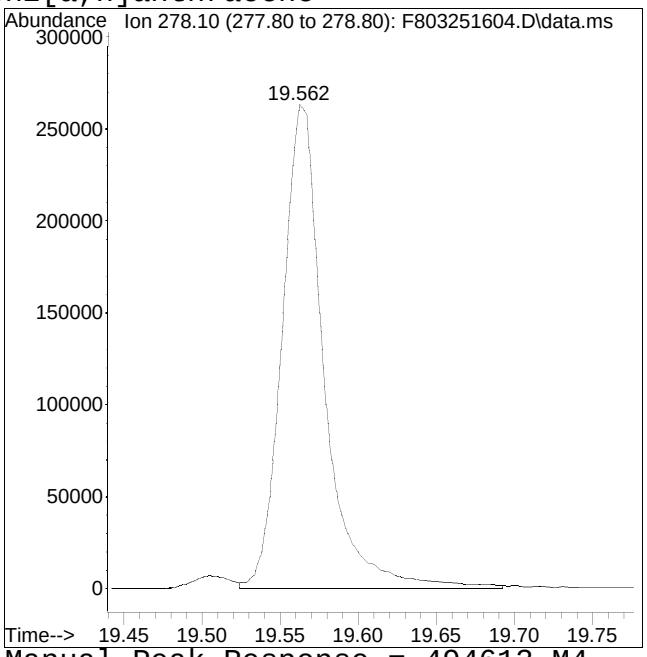
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251604.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 6:28 pm Instrument : BNA8
Sample : I803251603 Quant Date : 3/27/2016 4:05 pm

Compound #91: Dibenz[a,h]anthracene



Original Peak Response = 480744



Manual Peak Response = 494613 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251605.D
Acq On : 25 Mar 2016 6:59 pm
Operator : BNA8:ML
Sample : I803251604
Misc : WG877805,MSAI32
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 27 16:05:44 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:05:39 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.755	152	557831	5.000	ug/mL	0.00
21) Naphthalene-d8	5.911	136	2082794	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.606	164	957495	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.397	188	1781232	5.000	ug/mL	0.00
76) Chrysene-d12	14.622	240	1658033	5.000	ug/mL	0.00
85) Perylene-d12	17.713	264	1556165M4	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.691	112	632635	5.107	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 25.54%			
8) Phenol-d5	4.413	99	776870	5.195	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 25.98%			
22) Nitrobenzene-d5	5.241	82	518873M4	5.193	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 25.97%#			
43) 2-Fluorobiphenyl	6.946	172	1206888	5.410	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 27.05%#			
65) 2,4,6-Tribromophenol	8.473	330	109858	5.033	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 25.17%			
79) Terphenyl-d14	12.320	244	1093894	5.160	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 25.80%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.781	74	366142	4.999	ug/mL#	97
3) Pyridine	2.800	79	693994	5.100	ug/mL	99
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.471	93	918182	5.213	ug/ml	99
7) bis(2-Chloroethyl)ether	4.519	63	426466M4	5.295	ug/mL	
9) Phenol	4.423	94	847672	5.344	ug/mL	95
10) 2-Chlorophenol	4.572	128	701239	5.132	ug/mL	97
11) 1,3-Dichlorobenzene	4.707	146	764049	5.235	ug/mL	100
12) 1,4-Dichlorobenzene	4.770	146	766312	5.265	ug/mL	99
13) 1,2-Dichlorobenzene	4.904	146	724757	5.277	ug/mL	100
14) Benzyl alcohol	4.866	108	404631	5.019	ug/mL	96
15) bis(2-chloroisopropyl)eth	4.986	45	721395	5.278	ug/mL	99
16) 2-Methylphenol	4.953	108	556671M4	5.153	ug/mL	
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	5.203	117	292627	5.203	ug/mL	99
19) N-Nitroso-di-n-propylamin	5.102	70	414775	5.135	ug/mL	98
20) 4-Methylphenol	5.087	108	592444	5.162	ug/mL	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251605.D
Acq On : 25 Mar 2016 6:59 pm
Operator : BNA8:ML
Sample : I803251604
Misc : WG877805,MSAI32
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 27 16:05:44 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:05:39 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	5.261	77	548500	5.287	ug/mL	100
24) Isophorone	5.482	82	975451	5.237	ug/mL	100
25) 2-Nitrophenol	5.554	139	291198	4.847	ug/mL	96
26) 2,4-Dimethylphenol	5.579	107	532765	5.259	ug/mL	98
27) Benzoic acid	5.651	105	190061M4	5.615	ug/mL	
28) bis(2-Chloroethoxy)methan	5.675	93	682994	5.223	ug/mL	99
29) 2,4-Dichlorophenol	5.771	162	510286	5.207	ug/mL	99
30) 1,2,4-Trichlorobenzene	5.858	180	548728	5.233	ug/mL	100
31) Naphthalene	5.930	128	1842929	5.361	ug/mL	100
32) 2-Chloroaniline	5.516	127	958315	5.314	ug/ml	99
33) 4-Chloroaniline	5.978	127	782701M4	5.286	ug/mL	
34) Hexachlorobutadiene	6.046	225	263421	5.179	ug/mL	99
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	6.431	107	492666	5.191	ug/mL	98
37) 2-Methylnaphthalene	6.590	142	1205832	5.368	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.749	216	471337	5.455	ug/mL	100
40) Hexachlorocyclopentadiene	6.744	237	249046	5.352	ug/mL	98
41) 2,4,6-Trichlorophenol	6.859	196	345882	5.228	ug/mL	100
42) 2,4,5-Trichlorophenol	6.888	196	349025M4	5.323	ug/mL	
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	7.062	162	1124679	5.381	ug/mL	99
46) 2-Nitroaniline	7.158	65	232580	5.348	ug/mL	93
47) Acenaphthylene	7.466	152	1877262	5.443	ug/mL	99
48) Dimethylphthalate	7.341	163	1144433	5.107	ug/mL	100
49) 2,6-Dinitrotoluene	7.399	165	223295	4.799	ug/mL	98
50) Acenaphthene	7.640	153	1112246	5.401	ug/mL	98
51) 3-Nitroaniline	7.562	138	260903	4.827	ug/mL#	92
52) 2,4-Dinitrophenol	7.668	184	69840	4.424	ug/mL#	86
53) Dibenzofuran	7.818	168	1434486	5.380	ug/mL	100
54) 2,3,4,6-Tetrachlorophenol	7.943	232	212643	5.206	ug/mL	99
55) 2,4-Dinitrotoluene	7.803	165	297234	4.627	ug/mL	90
56) 4-Nitrophenol	7.721	109	124041	5.005	ug/mL	94
57) Fluorene	8.193	166	1237327	5.653	ug/mL	100
58) 4-Chlorophenyl-phenylethe	8.193	204	529347	5.608	ug/mL	99
59) Diethylphthalate	8.068	149	1230092	5.196	ug/mL	99
60) 4-Nitroaniline	8.213	138	288352	4.992	ug/mL	95
62) 4,6-Dinitro-2-methylpheno	8.246	198	115495	4.423	ug/mL#	98
63) Azobenzene	8.376	182	316790	5.108	ug/mL	88
64) n-Nitrosodiphenylamine	8.328	169	843349	5.219	ug/mL	99
66) 4-Bromophenyl-phenylether	8.790	248	284954	5.050	ug/mL	98
67) Hexachlorobenzene	8.858	284	293018	5.110	ug/mL	96

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251605.D
Acq On : 25 Mar 2016 6:59 pm
Operator : BNA8:ML
Sample : I803251604
Misc : WG877805,MSAI32
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 27 16:05:44 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:05:39 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Atrazine	0.000		0	N.D. d		
69) Pentachlorophenol	9.123	266	190911	4.667	ug/mL	99
70) Pentachloronitrobenzene	9.142	237	101300	4.853	ug/ml	93
71) Phenanthrene	9.431	178	1700635	5.247	ug/mL	99
72) Anthracene	9.508	178	1765420M4	5.354	ug/mL	
73) Carbazole	9.758	167	1703422	5.277	ug/mL	100
74) Di-n-butylphthalate	10.389	149	2146896	5.380	ug/mL	100
75) Fluoranthene	11.472	202	1814646	5.296	ug/mL	100
77) Benzidine	0.000		0	N.D.		
78) Pyrene	11.911	202	1872829	5.226	ug/mL	98
80) Butylbenzylphthalate	13.505	149	956147	5.282	ug/mL	98
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	14.602	228	1671927	5.100	ug/mL	99
83) Chrysene	14.679	228	1620494	5.133	ug/mL	99
84) bis(2-Ethylhexyl)phthalat	14.978	149	1289471	5.304	ug/mL	100
86) Di-n-octylphthalate	16.490	149	2195204	5.520	ug/mL	99
87) Benzo[b]fluoranthene	16.976	252	1524207	5.134	ug/mL	100
88) Benzo[k]fluoranthene	17.034	252	1554709	5.393	ug/mL	100
89) Benzo[a]pyrene	17.602	252	1510444	5.297	ug/mL	100
90) Indeno[1,2,3-cd]pyrene	19.514	276	1283092	5.089	ug/mL	100
91) Dibenz[a,h]anthracene	19.572	278	1309708M4	5.205	ug/mL	
92) Benzo[g,h,i]perylene	19.933	276	1385443	5.222	ug/mL	99

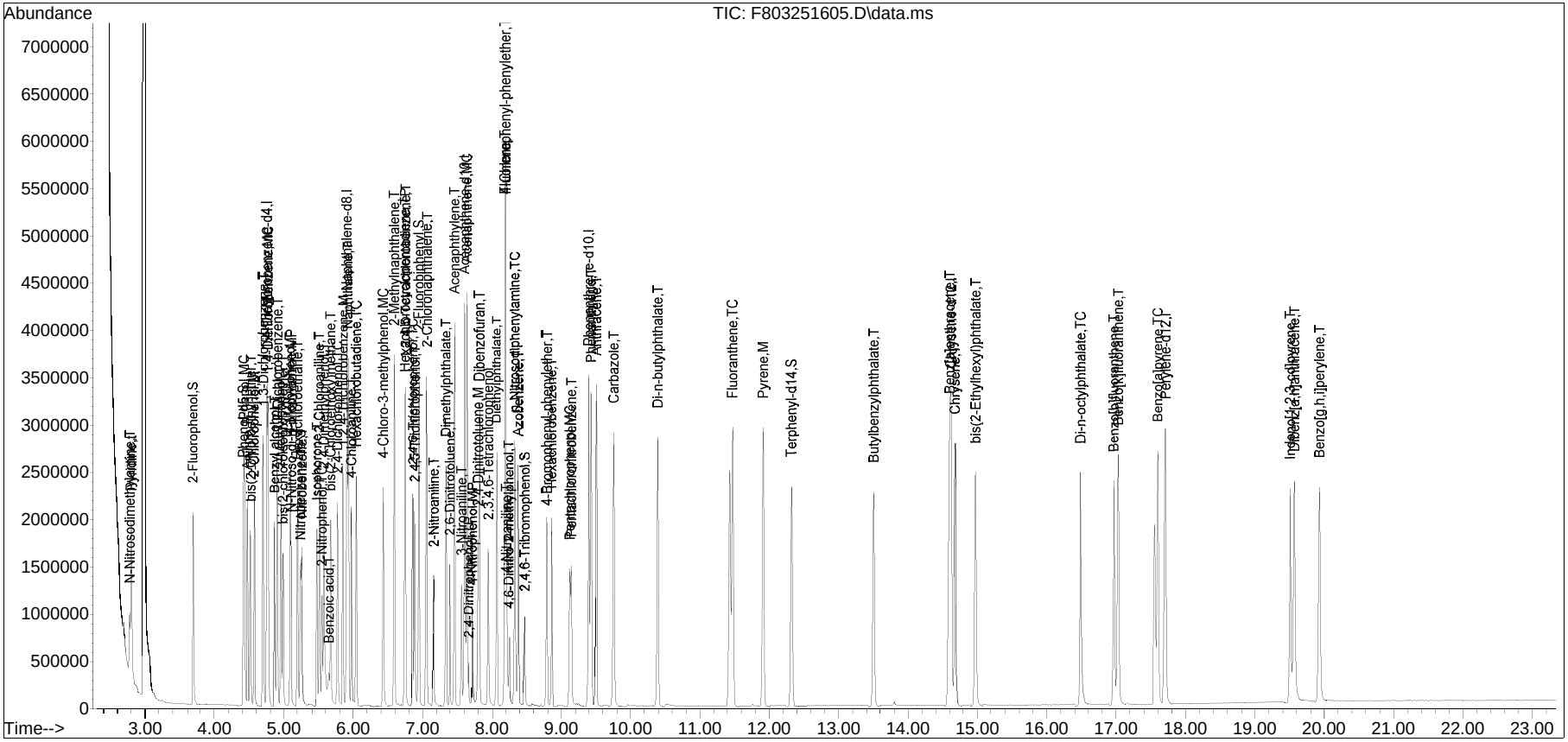
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251605.D
Acq On : 25 Mar 2016 6:59 pm
Operator : BNA8:ML
Sample : I803251604
Misc : WG877805,MSAI32
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 27 16:05:44 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:05:39 2016
Response via : Initial Calibration

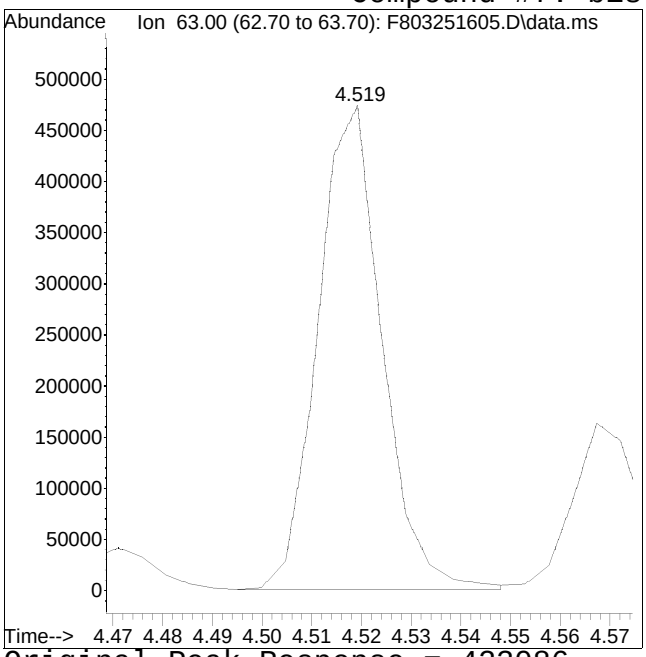
Sub List : Default - All compounds listed

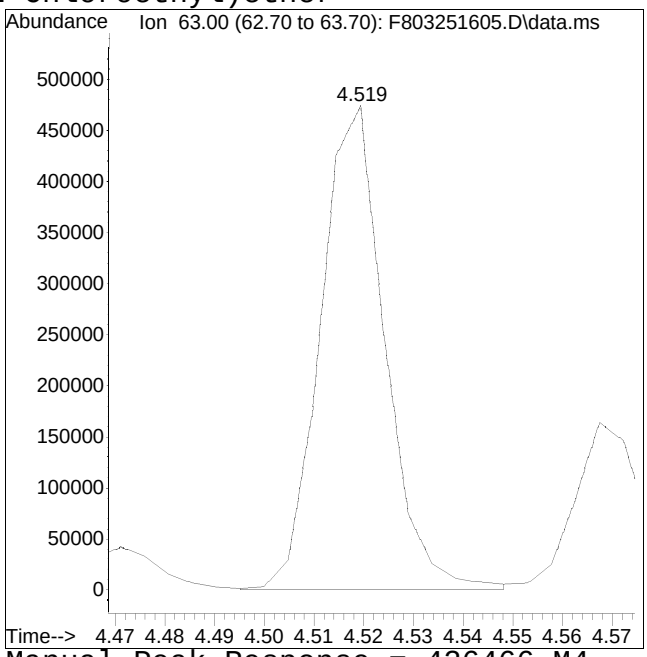


Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ Method : SV0325BNA8.M
Data File : F803251605.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 6:59 pm Instrument : BNA8
Sample : I803251604 Quant Date : 3/27/2016 4:05 pm

Compound #7: bis(2-Chloroethyl)ether



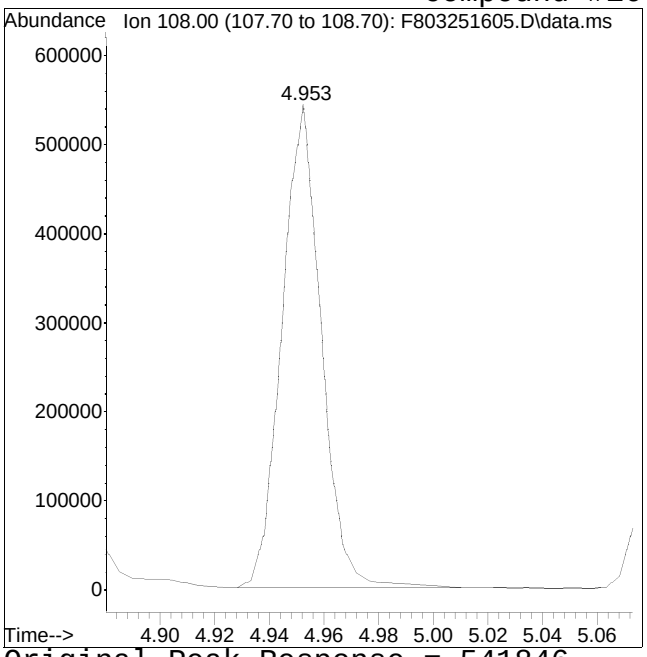


Original Peak Response = 423086 Manual Peak Response = 426466 M4
M4 = Poor automated baseline construction.

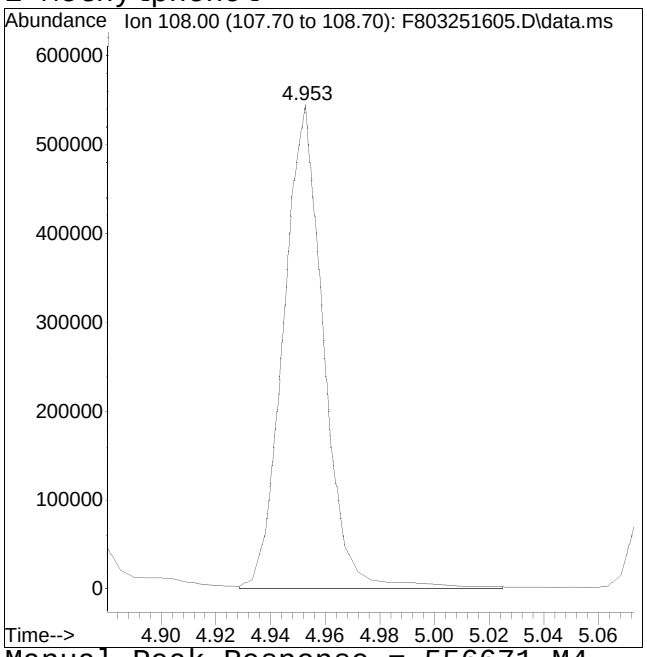
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251605.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 6:59 pm Instrument : BNA8
Sample : I803251604 Quant Date : 3/27/2016 4:05 pm

Compound #16: 2-Methylphenol



Original Peak Response = 541846



Manual Peak Response = 556671 M4

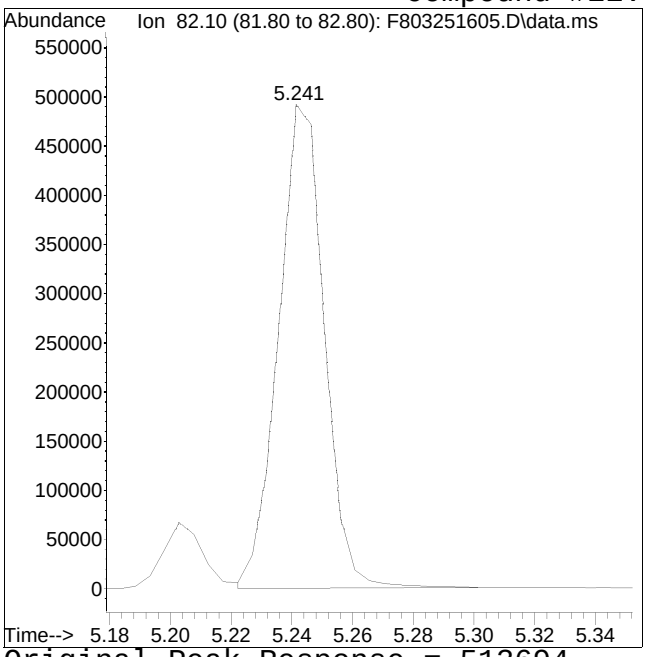
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

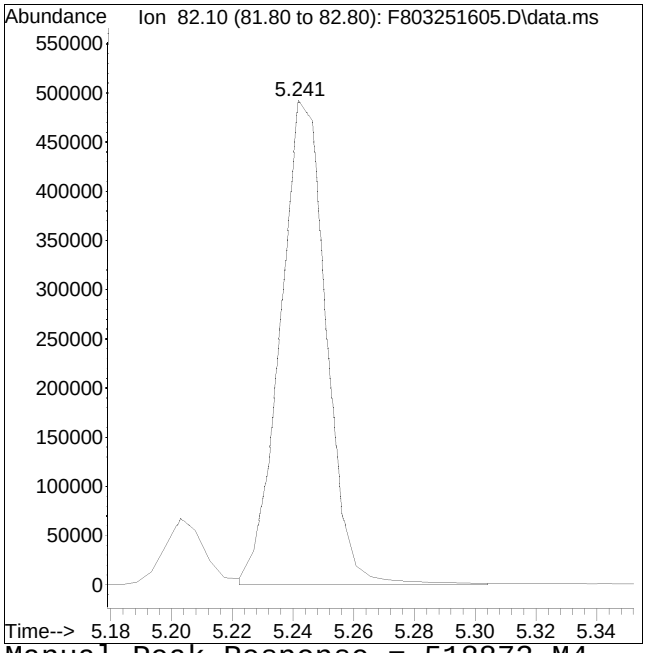
Data Path : O:\Organics\DATA\BNA8\2016\
Data File : F803251605.D
Date Inj'd : 3/25/2016 6:59 pm
Sample : I803251604

QMethod : SV0325BNA8.M
Operator : BNA8:ML
Instrument : BNA8
Quant Date : 3/27/2016 4:05 pm

Compound #22: Nitrobenzene-d5



Original Peak Response = 513694



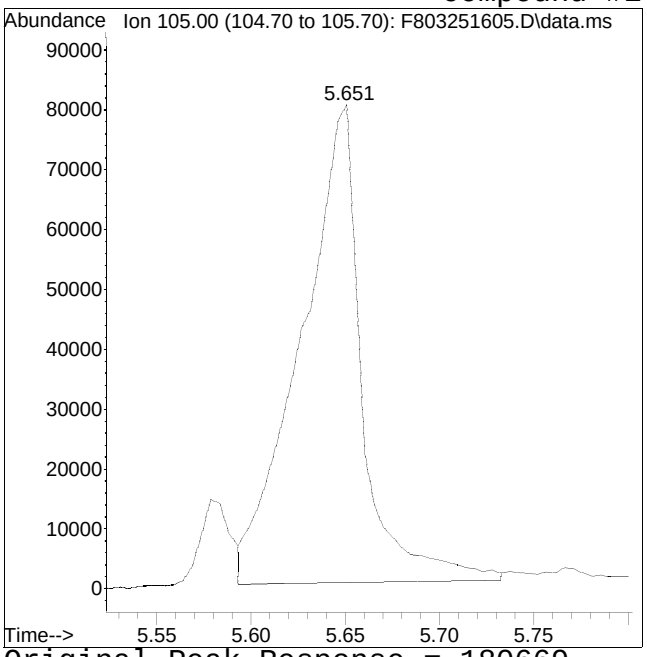
Manual Peak Response = 518873 M4

M4 = Poor automated baseline construction.

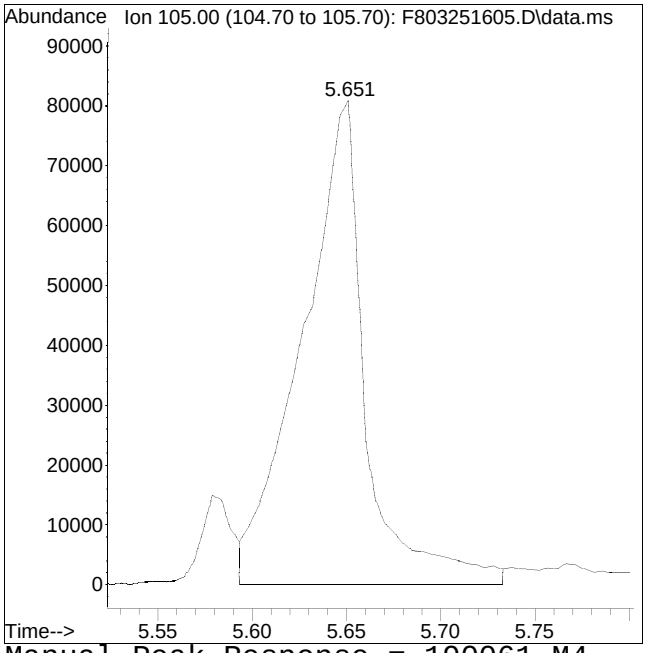
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251605.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 6:59 pm Instrument : BNA8
Sample : I803251604 Quant Date : 3/27/2016 4:05 pm

Compound #27: Benzoic acid



Original Peak Response = 180669



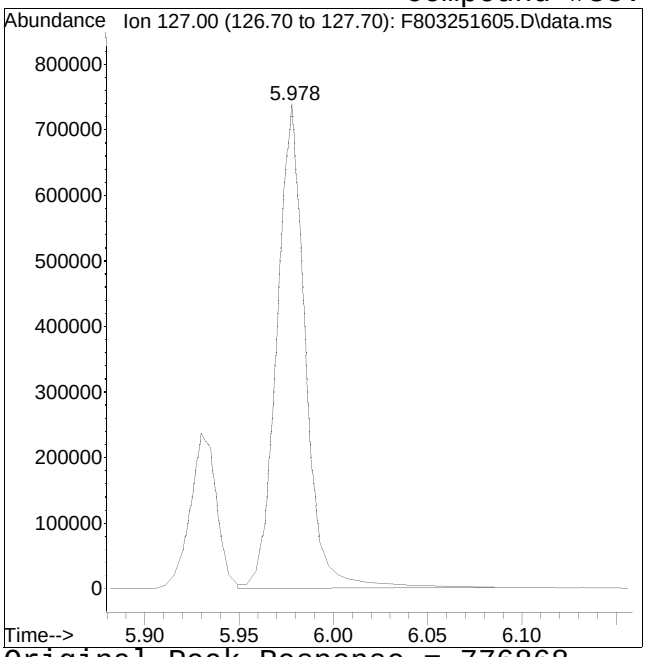
Manual Peak Response = 190061 M4

M4 = Poor automated baseline construction.

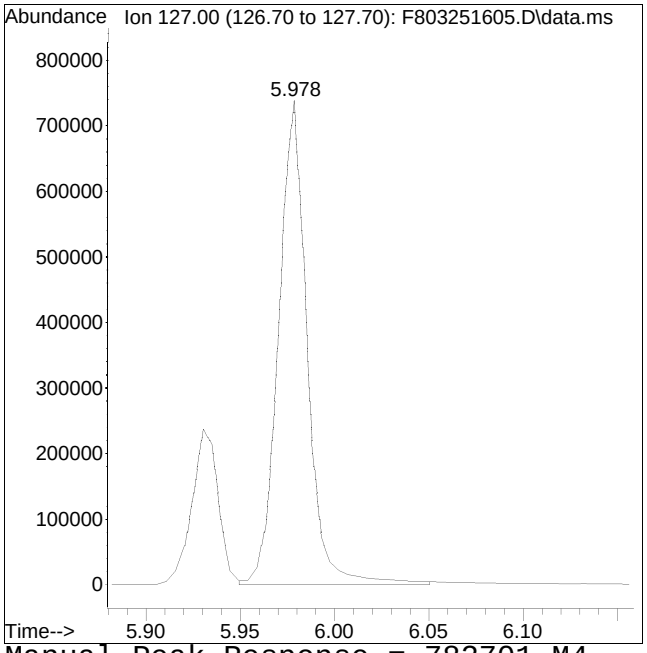
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251605.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 6:59 pm Instrument : BNA8
Sample : I803251604 Quant Date : 3/27/2016 4:05 pm

Compound #33: 4-Chloroaniline



Original Peak Response = 776868



Manual Peak Response = 782701 M4

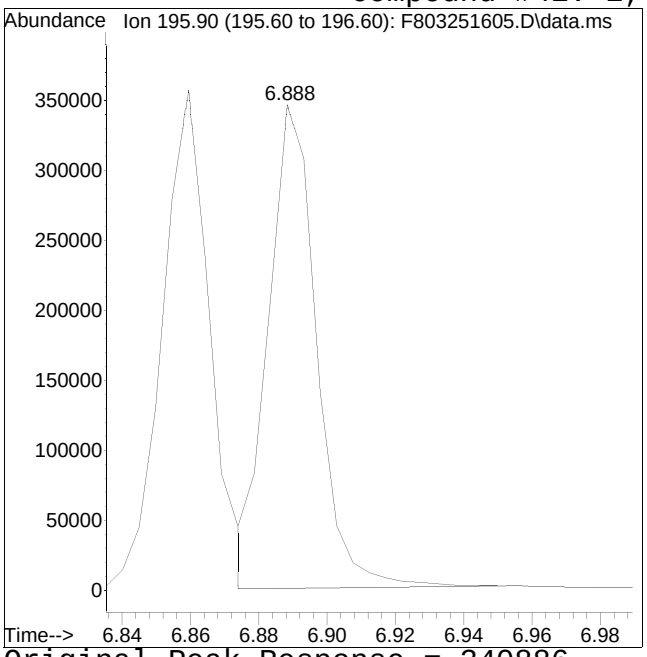
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

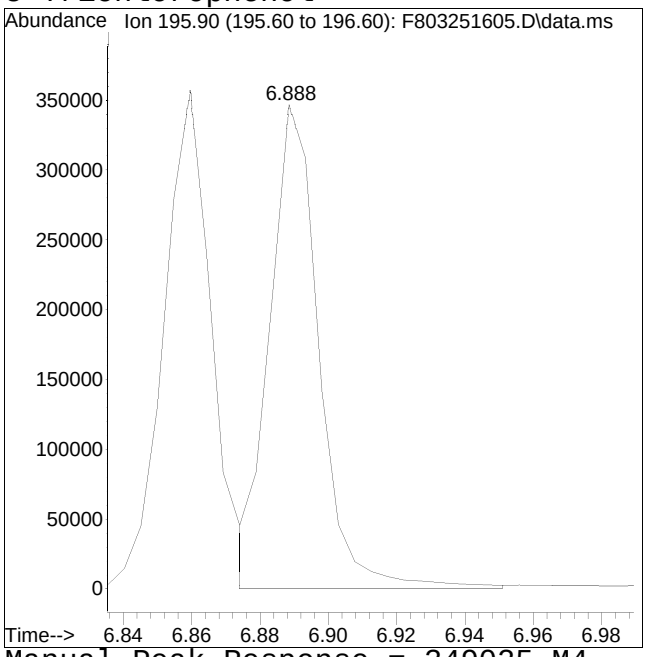
Data Path : O:\Organics\DATA\BNA8\2016\
Data File : F803251605.D
Date Inj'd : 3/25/2016 6:59 pm
Sample : I803251604

QMethod : SV0325BNA8.M
Operator : BNA8:ML
Instrument : BNA8
Quant Date : 3/27/2016 4:05 pm

Compound #42: 2,4,5-Trichlorophenol



Original Peak Response = 340886



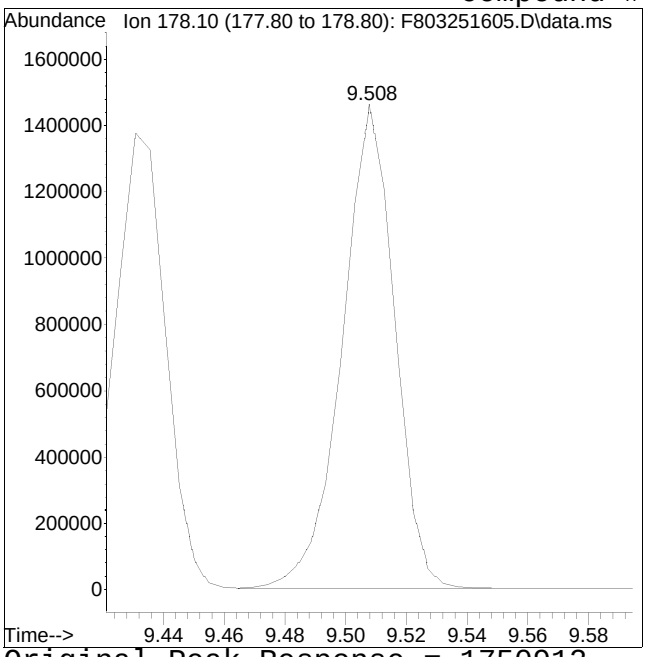
Manual Peak Response = 349025 M4

M4 = Poor automated baseline construction.

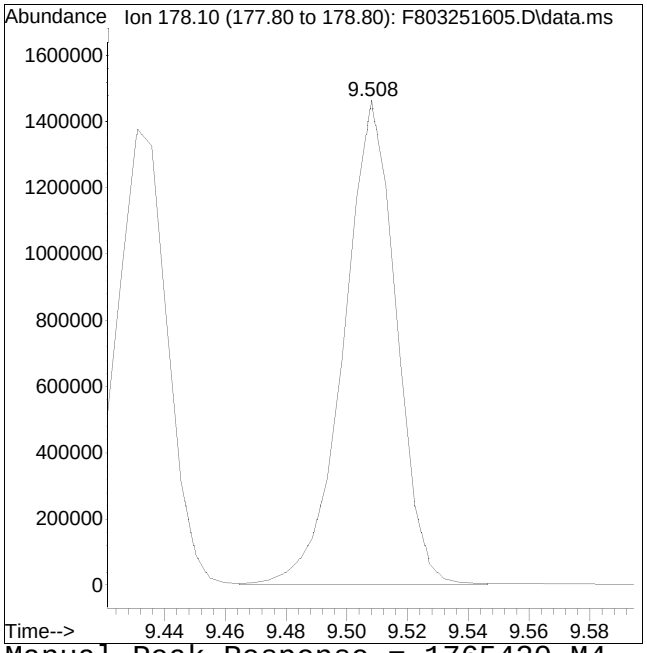
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251605.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 6:59 pm Instrument : BNA8
Sample : I803251604 Quant Date : 3/27/2016 4:05 pm

Compound #72: Anthracene



Original Peak Response = 1750912



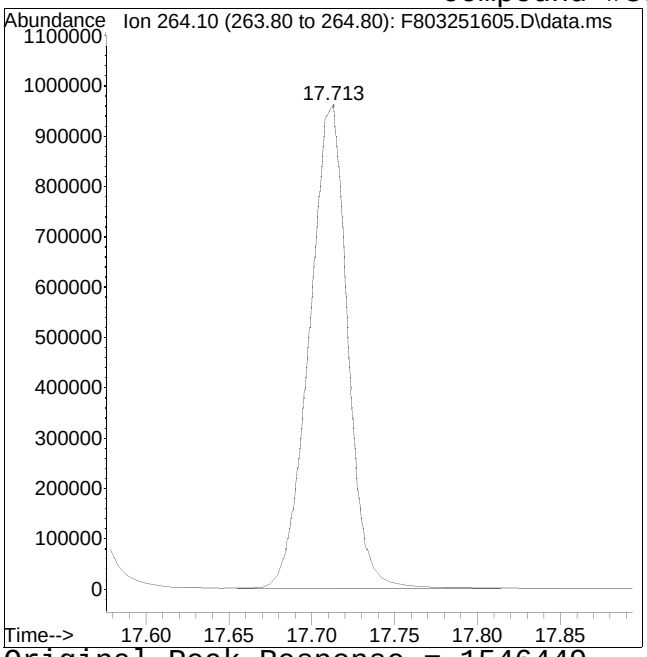
Manual Peak Response = 1765420 M4

M4 = Poor automated baseline construction.

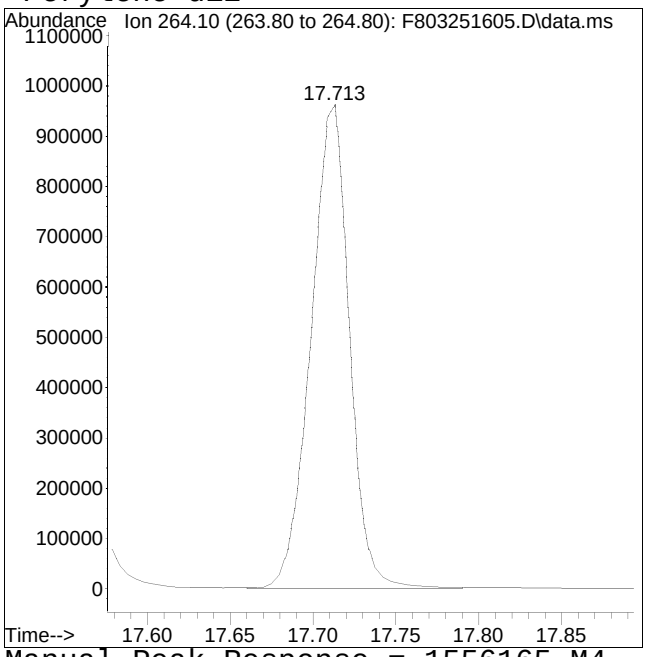
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251605.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 6:59 pm Instrument : BNA8
Sample : I803251604 Quant Date : 3/27/2016 4:05 pm

Compound #85: Perylene-d12



Original Peak Response = 1546449



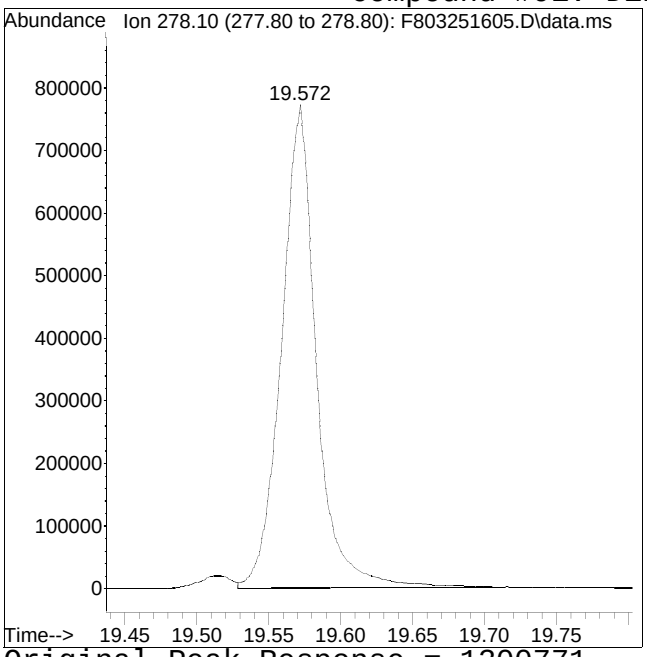
Manual Peak Response = 1556165 M4

M4 = Poor automated baseline construction.

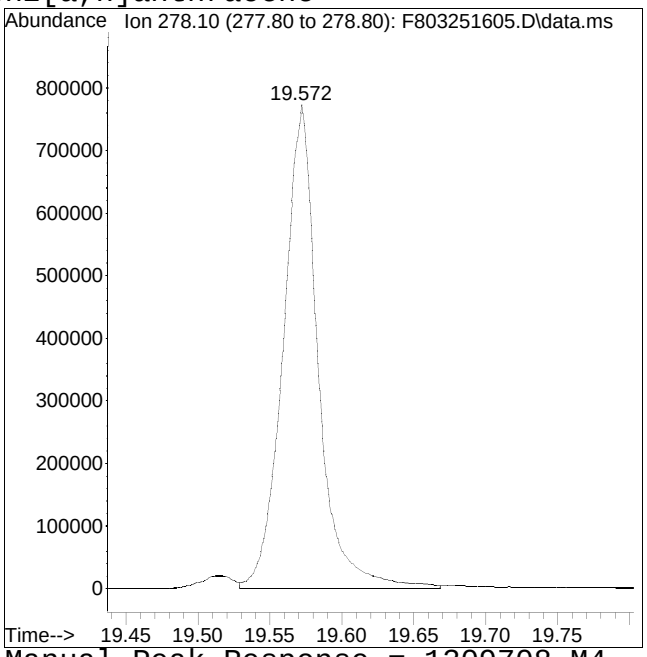
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251605.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 6:59 pm Instrument : BNA8
Sample : I803251604 Quant Date : 3/27/2016 4:05 pm

Compound #91: Dibenz[a,h]anthracene



Original Peak Response = 1300771



Manual Peak Response = 1309708 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251606.D
Acq On : 25 Mar 2016 7:30 pm
Operator : BNA8:ML
Sample : I803251605
Misc : WG877805,MSAI31
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 27 16:05:53 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:05:49 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.750	152	553247	5.000	ug/mL	0.00
21) Naphthalene-d8	5.911	136	2087925	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.606	164	957010	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.402	188	1785136	5.000	ug/mL	0.00
76) Chrysene-d12	14.631	240	1690237	5.000	ug/mL	0.01
85) Perylene-d12	17.718	264	1585835M4	5.000	ug/mL	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	3.691	112	1292521	10.521	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 52.61%			
8) Phenol-d5	4.413	99	1548061	10.438	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 52.19%			
22) Nitrobenzene-d5	5.246	82	1043535M4	10.418	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 52.09%			
43) 2-Fluorobiphenyl	6.946	172	2345993	10.521	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 52.61%			
65) 2,4,6-Tribromophenol	8.473	330	240000	10.971	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 54.85%			
79) Terphenyl-d14	12.325	244	2239714	10.364	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 51.82%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.795	74	741340	10.205	ug/mL	99
3) Pyridine	2.805	79	1363930	10.107	ug/mL	98
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.471	93	1733858	9.926	ug/ml	99
7) bis(2-Chloroethyl)ether	4.519	63	824800	10.326	ug/mL	98
9) Phenol	4.428	94	1659892	10.552	ug/mL	96
10) 2-Chlorophenol	4.572	128	1403859	10.360	ug/mL	98
11) 1,3-Dichlorobenzene	4.702	146	1506769	10.410	ug/mL	100
12) 1,4-Dichlorobenzene	4.770	146	1499786	10.390	ug/mL	99
13) 1,2-Dichlorobenzene	4.900	146	1417645	10.408	ug/mL	100
14) Benzyl alcohol	4.866	108	821423	10.272	ug/mL	98
15) bis(2-chloroisopropyl)eth	4.986	45	1377347	10.161	ug/mL	99
16) 2-Methylphenol	4.953	108	1090988M4	10.182	ug/mL	
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	5.203	117	575140	10.310	ug/mL	100
19) N-Nitroso-di-n-propylamin	5.107	70	801900	10.009	ug/mL	99
20) 4-Methylphenol	5.092	108	1172617M4	10.302	ug/mL	

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251606.D
Acq On : 25 Mar 2016 7:30 pm
Operator : BNA8:ML
Sample : I803251605
Misc : WG877805,MSAI31
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 27 16:05:53 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:05:49 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	5.261	77	1101987	10.596	ug/mL	99
24) Isophorone	5.482	82	1916892	10.266	ug/mL	99
25) 2-Nitrophenol	5.555	139	624583	9.989	ug/mL	98
26) 2,4-Dimethylphenol	5.583	107	1024937	10.093	ug/mL	98
27) Benzoic acid	5.675	105	532432M4	9.420	ug/mL	
28) bis(2-Chloroethoxy)methan	5.675	93	1346641	10.273	ug/mL	99
29) 2,4-Dichlorophenol	5.771	162	1038373	10.571	ug/mL	100
30) 1,2,4-Trichlorobenzene	5.858	180	1077785	10.253	ug/mL	100
31) Naphthalene	5.930	128	3551027	10.304	ug/mL	100
32) 2-Chloroaniline	5.521	127	1881720	10.410	ug/ml	100
33) 4-Chloroaniline	5.978	127	1532941	10.327	ug/mL	99
34) Hexachlorobutadiene	6.046	225	521688	10.232	ug/mL	100
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	6.431	107	1007201	10.587	ug/mL	100
37) 2-Methylnaphthalene	6.590	142	2370158	10.525	ug/mL	100
39) 1,2,4,5-Tetrachlorobenzen	6.754	216	916871	10.617	ug/mL	99
40) Hexachlorocyclopentadiene	6.744	237	515376	11.081	ug/mL	99
41) 2,4,6-Trichlorophenol	6.860	196	715028	10.813	ug/mL	100
42) 2,4,5-Trichlorophenol	6.893	196	705131M4	10.760	ug/mL	
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	7.062	162	2182800	10.450	ug/mL	99
46) 2-Nitroaniline	7.163	65	492663	11.333	ug/mL	95
47) Acenaphthylene	7.466	152	3636713	10.549	ug/mL	99
48) Dimethylphthalate	7.341	163	2301911	10.277	ug/mL	100
49) 2,6-Dinitrotoluene	7.399	165	499671M4	10.121	ug/mL	
50) Acenaphthene	7.640	153	2158529	10.486	ug/mL	99
51) 3-Nitroaniline	7.567	138	576274	10.100	ug/mL	95
52) 2,4-Dinitrophenol	7.669	184	218106	9.552	ug/mL	90
53) Dibenzofuran	7.818	168	2807297	10.535	ug/mL	99
54) 2,3,4,6-Tetrachlorophenol	7.943	232	452828	11.092	ug/mL	99
55) 2,4-Dinitrotoluene	7.803	165	666418	10.023	ug/mL#	80
56) 4-Nitrophenol	7.726	109	264318	9.540	ug/mL	99
57) Fluorene	8.193	166	2326262	10.634	ug/mL	100
58) 4-Chlorophenyl-phenylethe	8.198	204	1000728	10.607	ug/mL	99
59) Diethylphthalate	8.073	149	2441525	10.318	ug/mL	99
60) 4-Nitroaniline	8.222	138	608567	10.065	ug/mL	98
62) 4,6-Dinitro-2-methylpheno	8.251	198	316102	9.473	ug/mL	100
63) Azobenzene	8.381	182	645557	10.386	ug/mL	98
64) n-Nitrosodiphenylamine	8.333	169	1685604	10.409	ug/mL	99
66) 4-Bromophenyl-phenylether	8.790	248	588307	10.402	ug/mL	99
67) Hexachlorobenzene	8.863	284	592315	10.308	ug/mL	97

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251606.D
Acq On : 25 Mar 2016 7:30 pm
Operator : BNA8:ML
Sample : I803251605
Misc : WG877805,MSAI31
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 27 16:05:53 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:05:49 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Atrazine	0.000		0	N.D. d		
69) Pentachlorophenol	9.128	266	439268	9.625	ug/mL	100
70) Pentachloronitrobenzene	9.147	237	218518	10.126	ug/ml	93
71) Phenanthrene	9.436	178	3386381	10.425	ug/mL	100
72) Anthracene	9.513	178	3484387	10.543	ug/mL	100
73) Carbazole	9.763	167	3390853	10.481	ug/mL	100
74) Di-n-butylphthalate	10.394	149	4279192	10.699	ug/mL	100
75) Fluoranthene	11.477	202	3622940	10.551	ug/mL	99
77) Benzidine	0.000		0	N.D.		
78) Pyrene	11.920	202	3754659	10.277	ug/mL	99
80) Butylbenzylphthalate	13.509	149	1970553	10.679	ug/mL	99
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	14.607	228	3411098	10.207	ug/mL	99
83) Chrysene	14.689	228	3302605M4	10.262	ug/mL	
84) bis(2-Ethylhexyl)phthalat	14.978	149	2683663	10.828	ug/mL	100
86) Di-n-octylphthalate	16.490	149	4658341	11.494	ug/mL	99
87) Benzo[b]fluoranthene	16.986	252	3178615	10.505	ug/mL	100
88) Benzo[k]fluoranthene	17.049	252	3199828	10.892	ug/mL	100
89) Benzo[a]pyrene	17.617	252	3116170	10.725	ug/mL	99
90) Indeno[1,2,3-cd]pyrene	19.529	276	2792985	10.870	ug/mL	100
91) Dibenz[a,h]anthracene	19.582	278	2814851M4	10.978	ug/mL	
92) Benzo[g,h,i]perylene	19.948	276	2923617	10.813	ug/mL	98

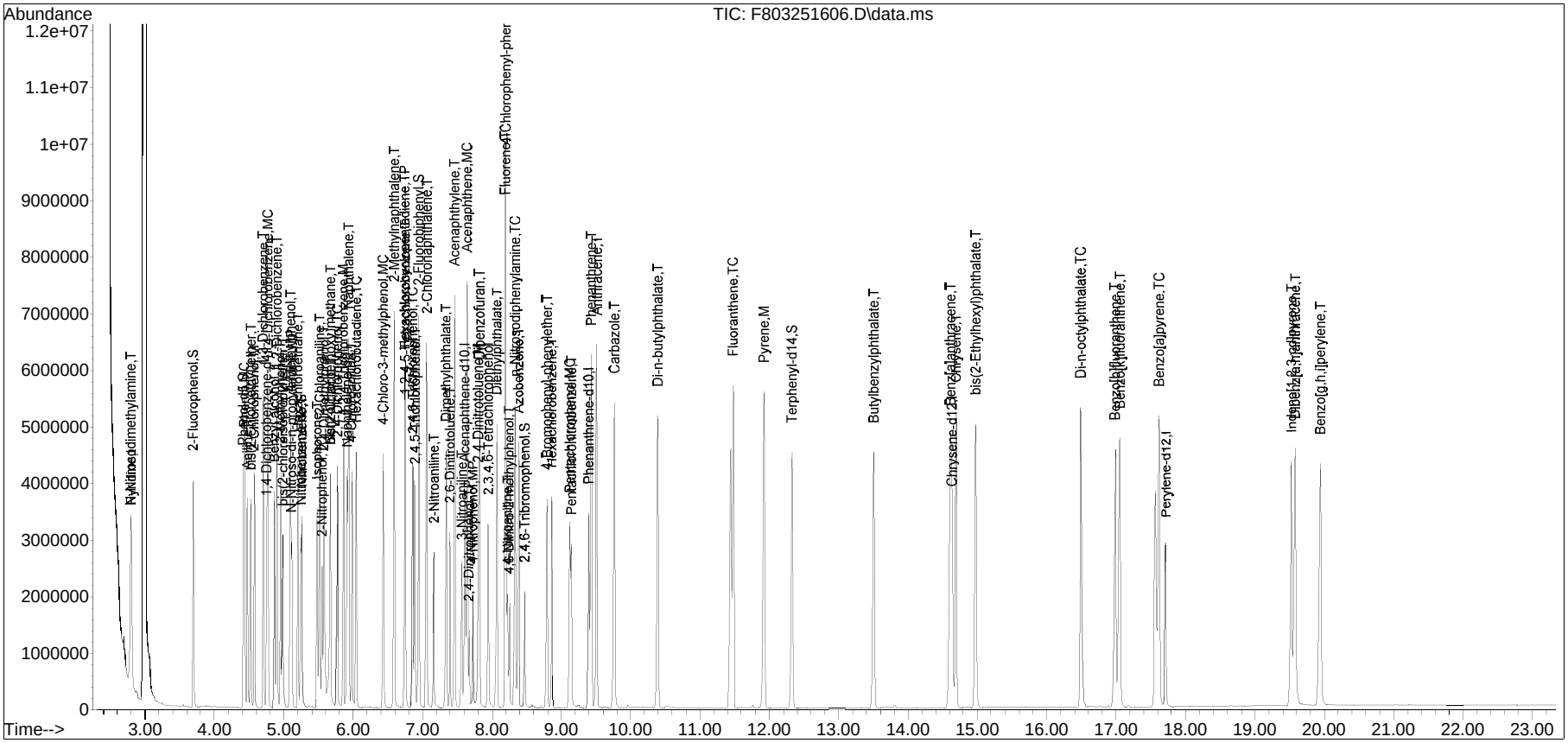
(#) = qualifier out of range (m) = manual integration (+) = signals summed

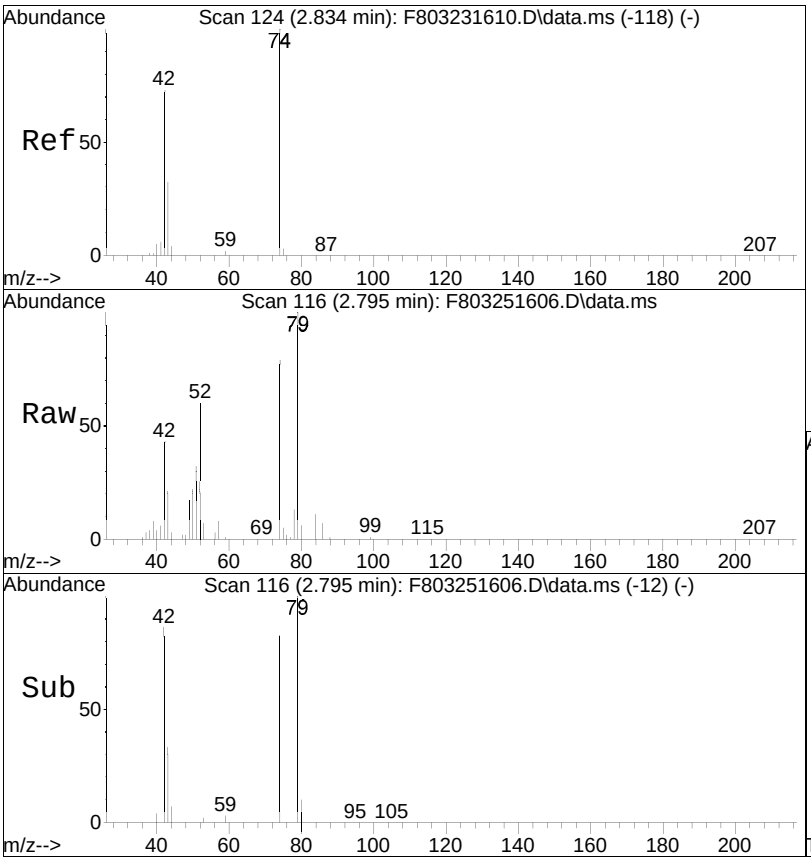
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251606.D
Acq On : 25 Mar 2016 7:30 pm
Operator : BNA8:ML
Sample : I803251605
Misc : WG877805,MSAI31
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 27 16:05:53 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:05:49 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

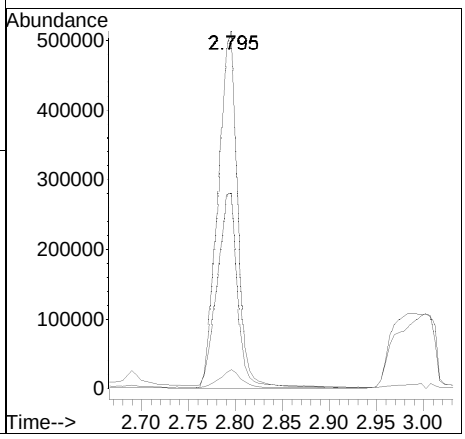


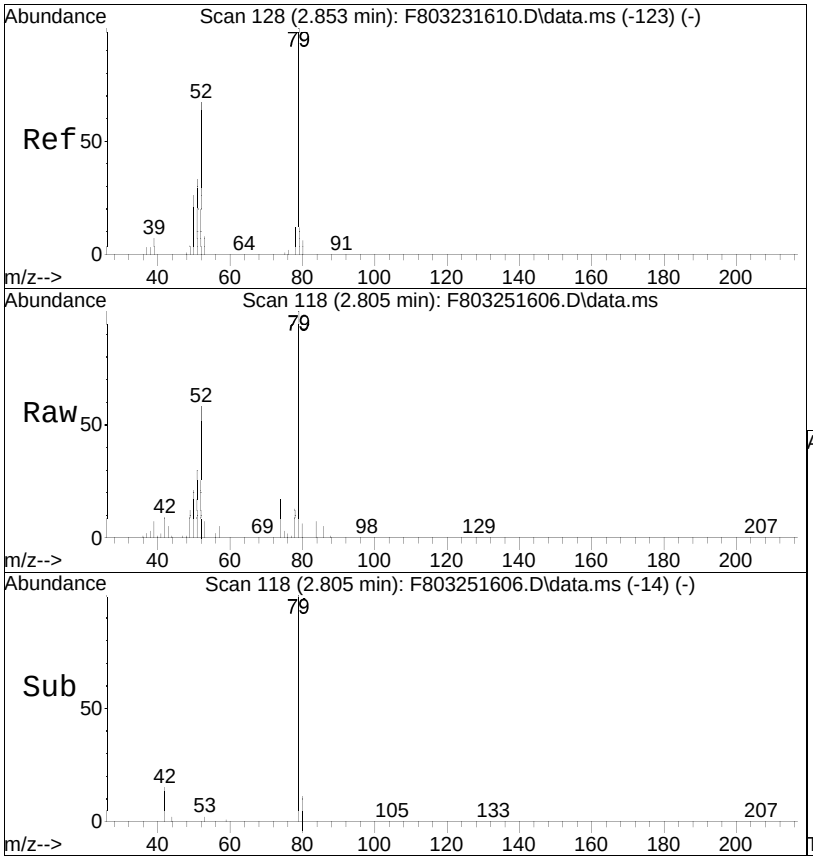


#2
N-Nitrosodimethylamine
Concen: 10.20 ug/mL
RT: 2.795 min Scan# 116
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion: 74 Resp: 741340

Ion	Ratio	Lower	Upper
74	100		
42	53.9	43.8	65.6
40	5.4	4.2	6.4

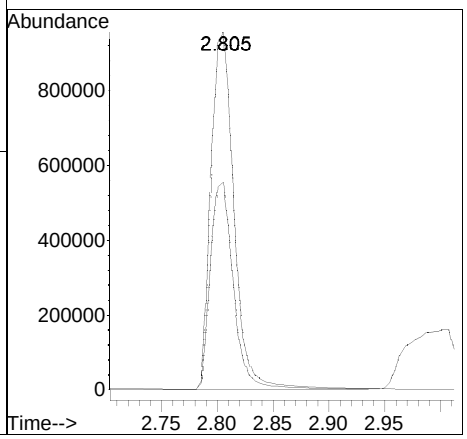


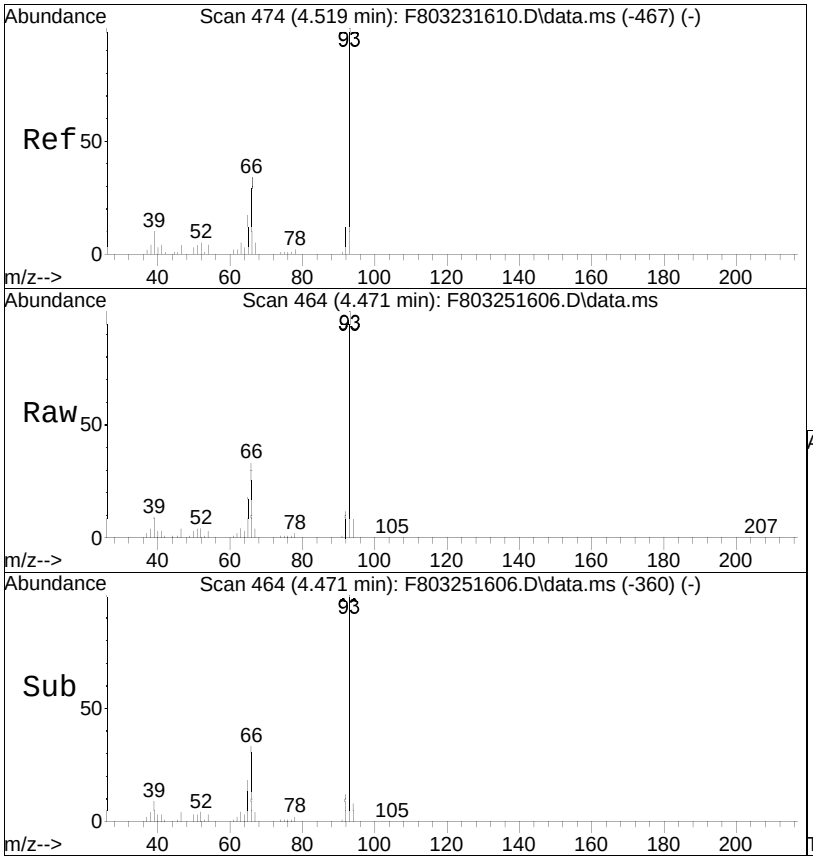


#3
Pyridine
Concen: 10.11 ug/mL
RT: 2.805 min Scan# 118
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion: 79 Resp: 1363930

Ion	Ratio	Lower	Upper
79	100		
52	57.0	46.6	69.8

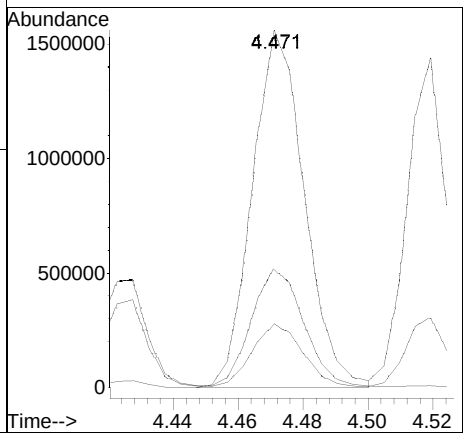


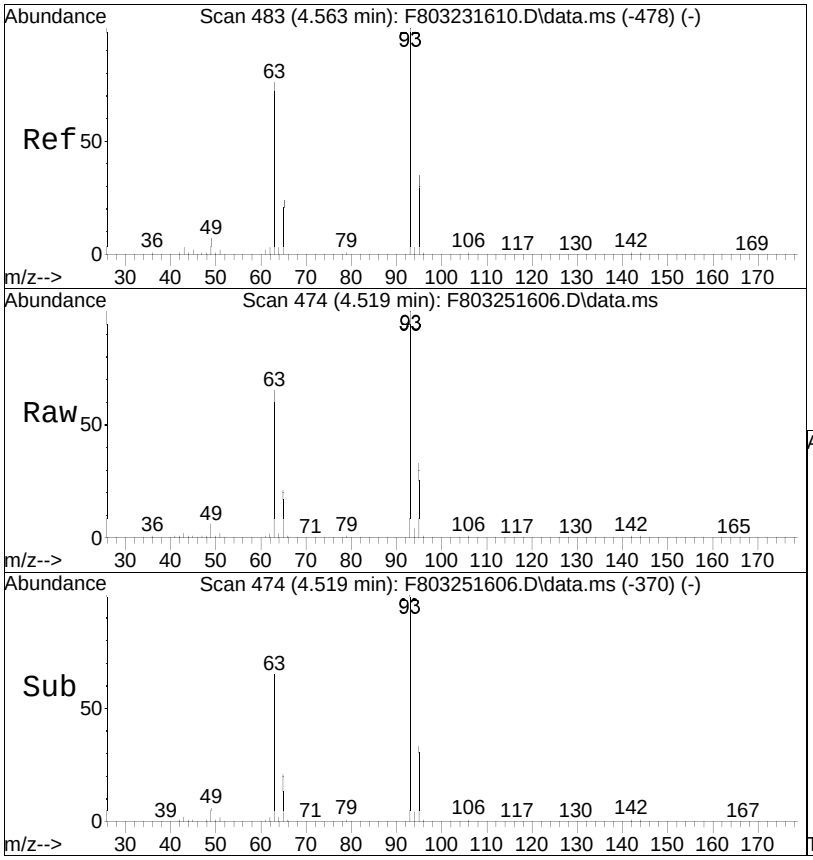


#6
Aniline
Concen: 9.93 ug/ml
RT: 4.471 min Scan# 464
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion: 93 Resp: 1733858

Ion	Ratio	Lower	Upper
93	100		
66	33.9	26.7	40.1
65	17.6	14.2	21.4

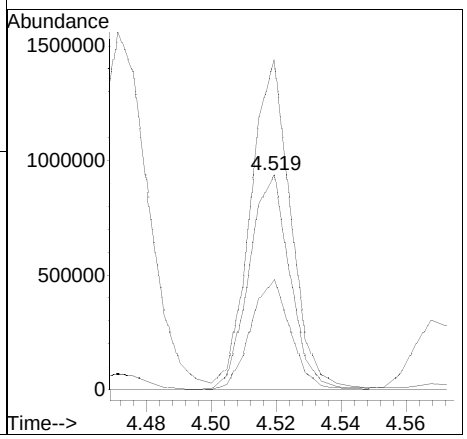


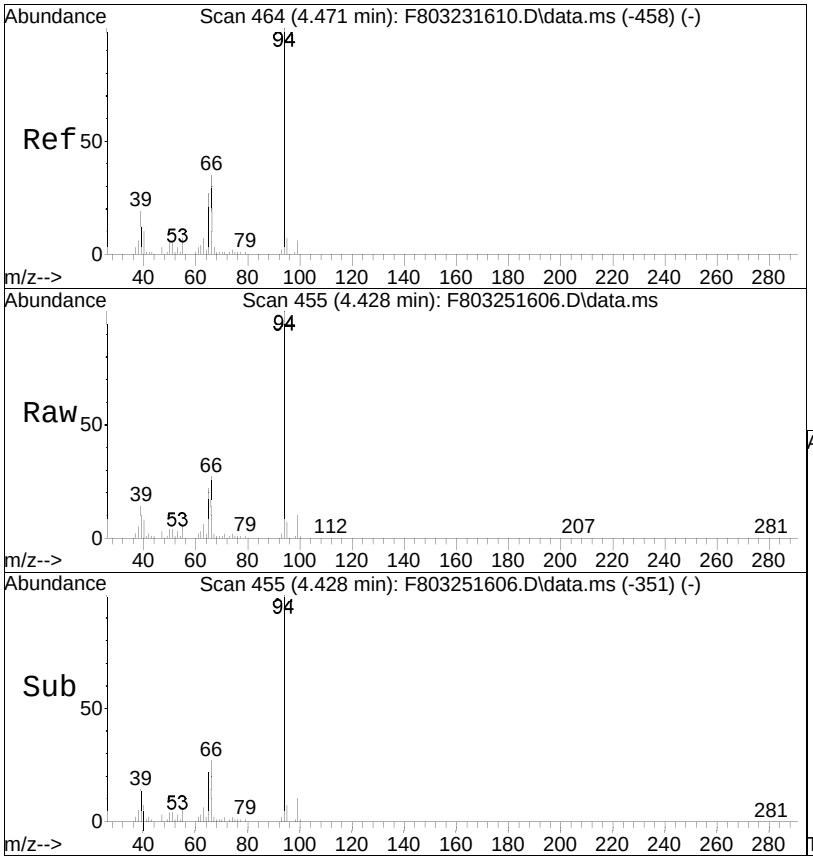


#7
bis(2-Chloroethyl)ether
Concen: 10.33 ug/mL
RT: 4.519 min Scan# 474
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion: 63 Resp: 824800

Ion	Ratio	Lower	Upper
63	100		
93	150.8	123.0	184.4
95	50.3	41.1	61.7

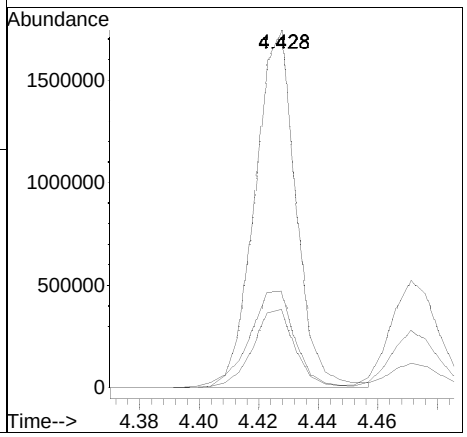


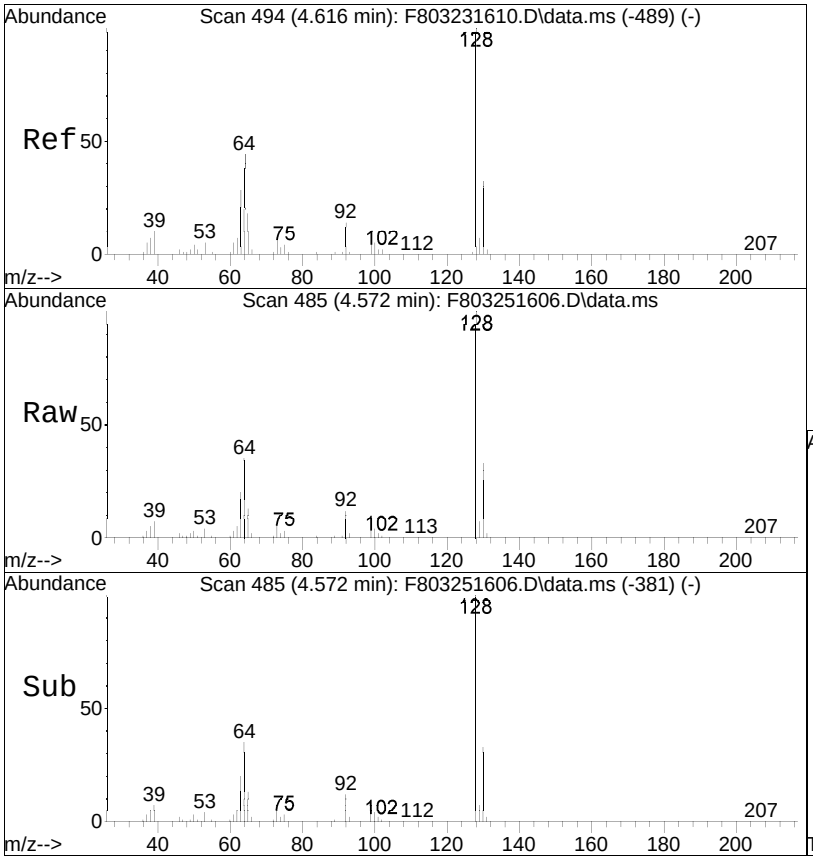


#9
Phenol
Concen: 10.55 ug/mL
RT: 4.428 min Scan# 455
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion: 94 Resp: 1659892

Ion	Ratio	Lower	Upper
94	100		
66	30.5	21.7	32.5
65	22.9	17.6	26.4

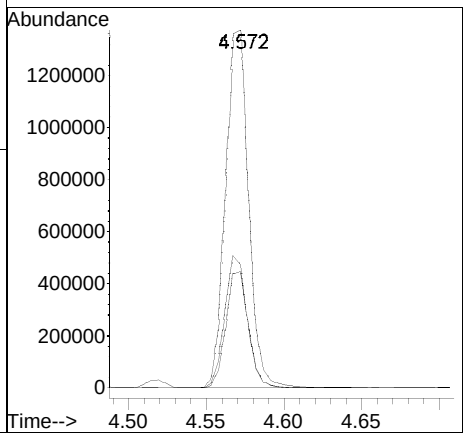


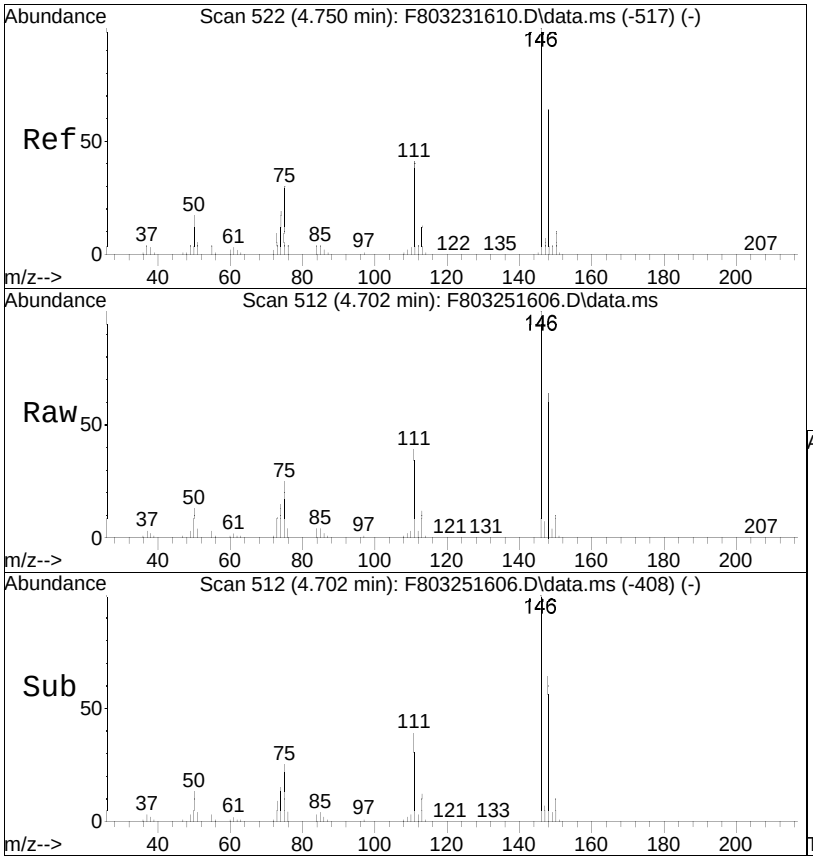


#10
2-Chlorophenol
Concen: 10.36 ug/mL
RT: 4.572 min Scan# 485
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:128 Resp: 1403859

Ion	Ratio	Lower	Upper
128	100		
64	36.3	27.6	41.4
130	32.4	26.2	39.4

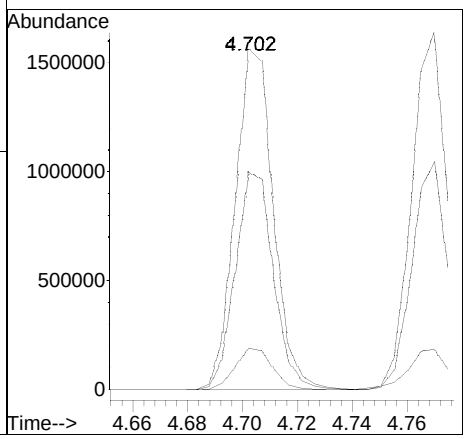


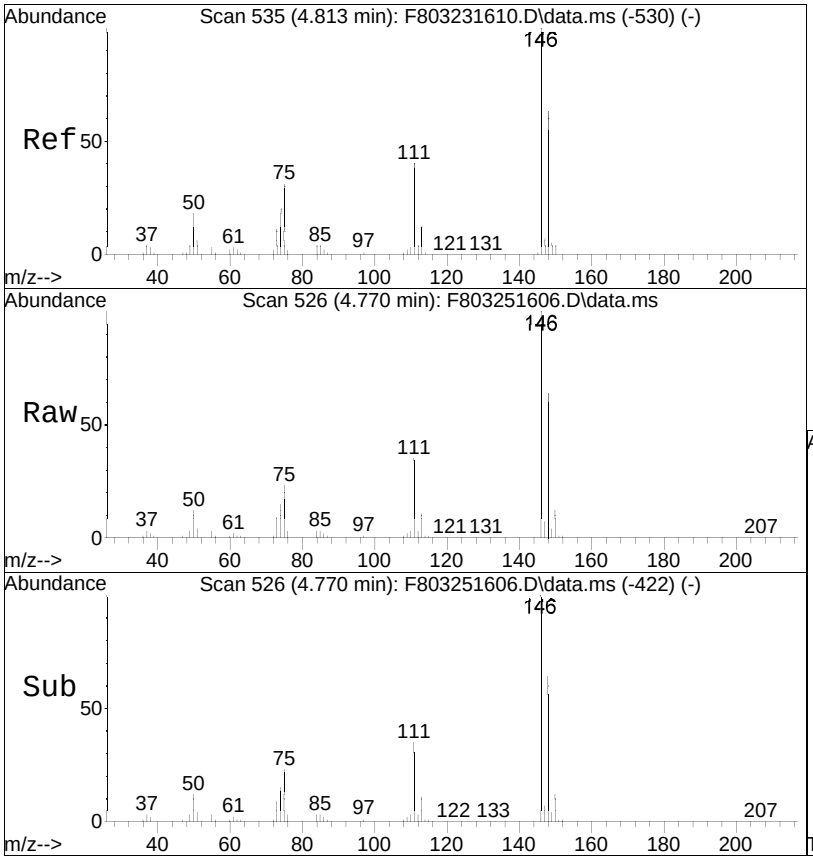


#11
1,3-Dichlorobenzene
Concen: 10.41 ug/mL
RT: 4.702 min Scan# 512
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:146 Resp: 1506769

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
113	12.1	9.7	14.5

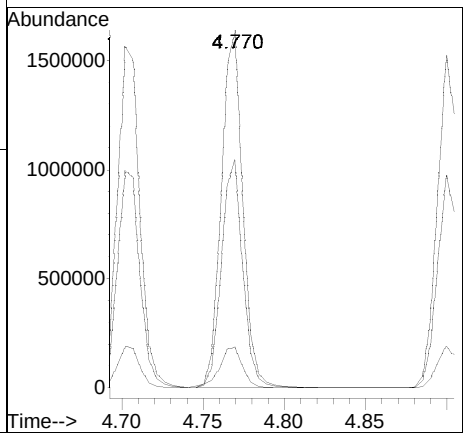


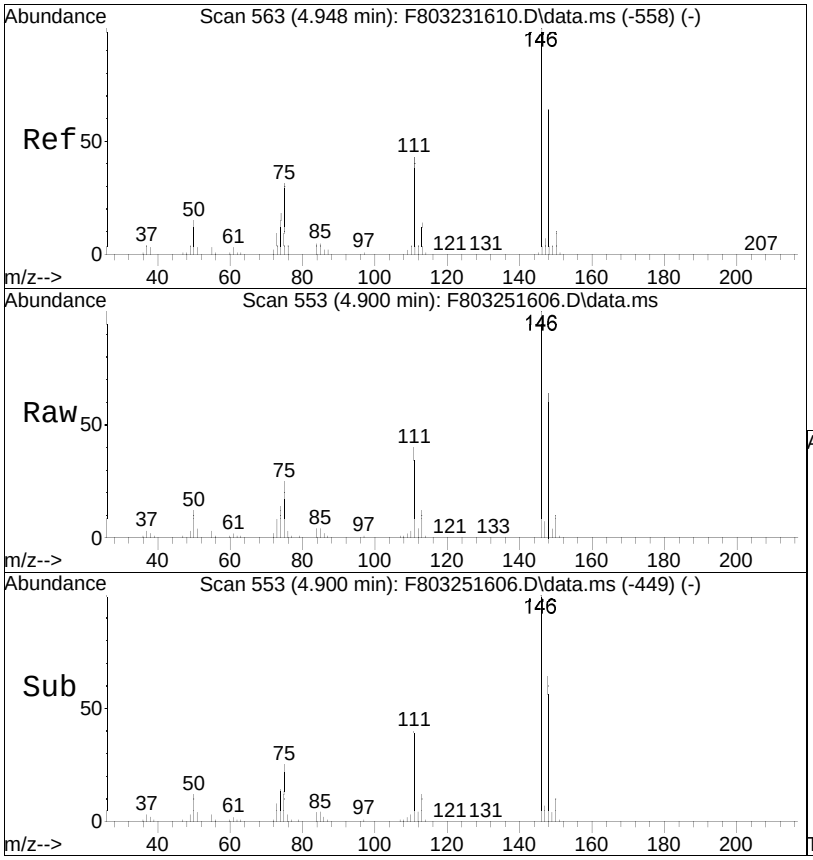


#12
1,4-Dichlorobenzene
Concen: 10.39 ug/mL
RT: 4.770 min Scan# 526
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:146 Resp: 1499786

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.2	76.8
113	12.5	9.1	13.7

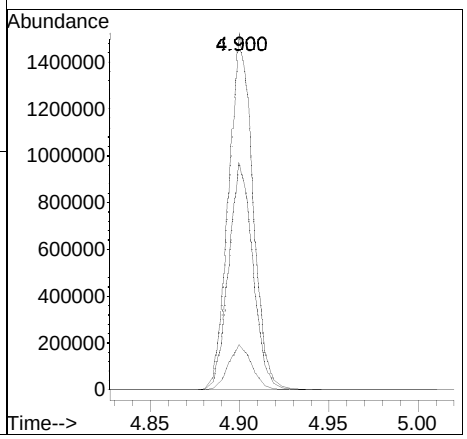


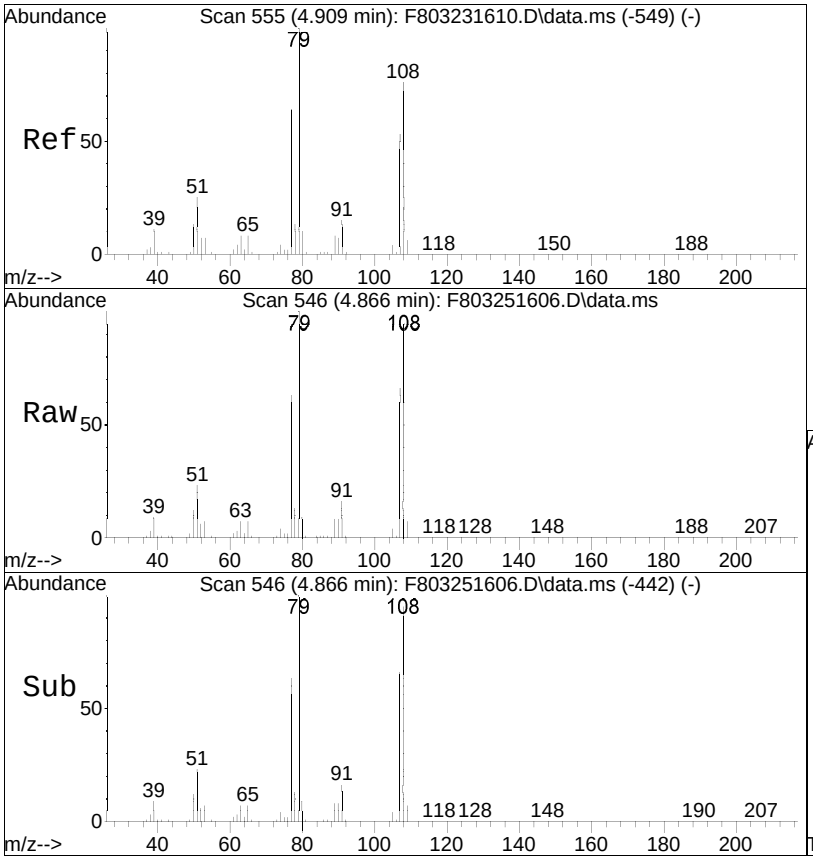


#13
1,2-Dichlorobenzene
Concen: 10.41 ug/mL
RT: 4.900 min Scan# 553
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:146 Resp: 1417645

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.0	76.6
113	12.4	10.0	15.0

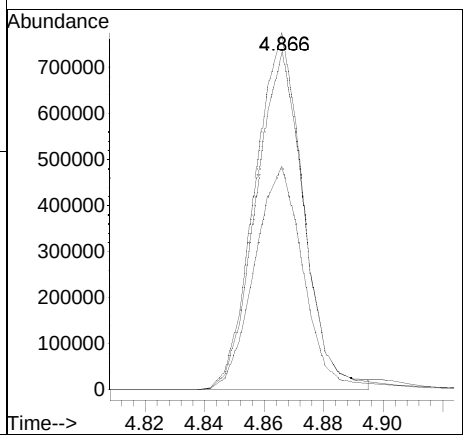


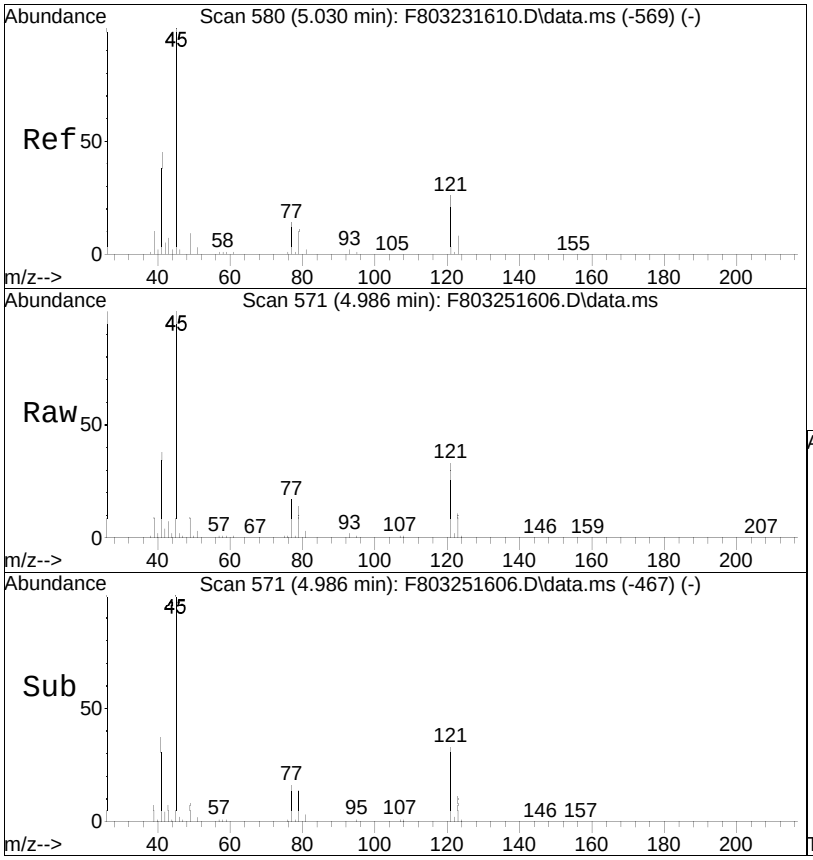


#14
Benzyl alcohol
Concen: 10.27 ug/mL
RT: 4.866 min Scan# 546
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:108 Resp: 821423

Ion	Ratio	Lower	Upper
108	100		
79	107.9	84.5	126.7
77	68.3	52.9	79.3

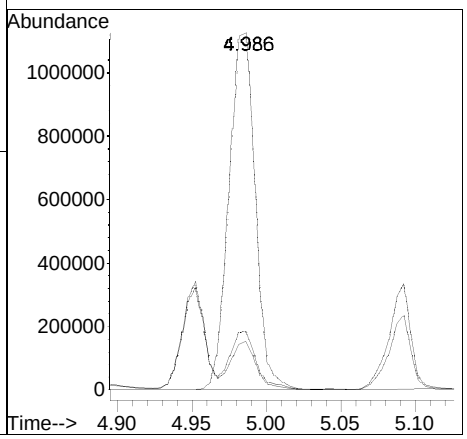


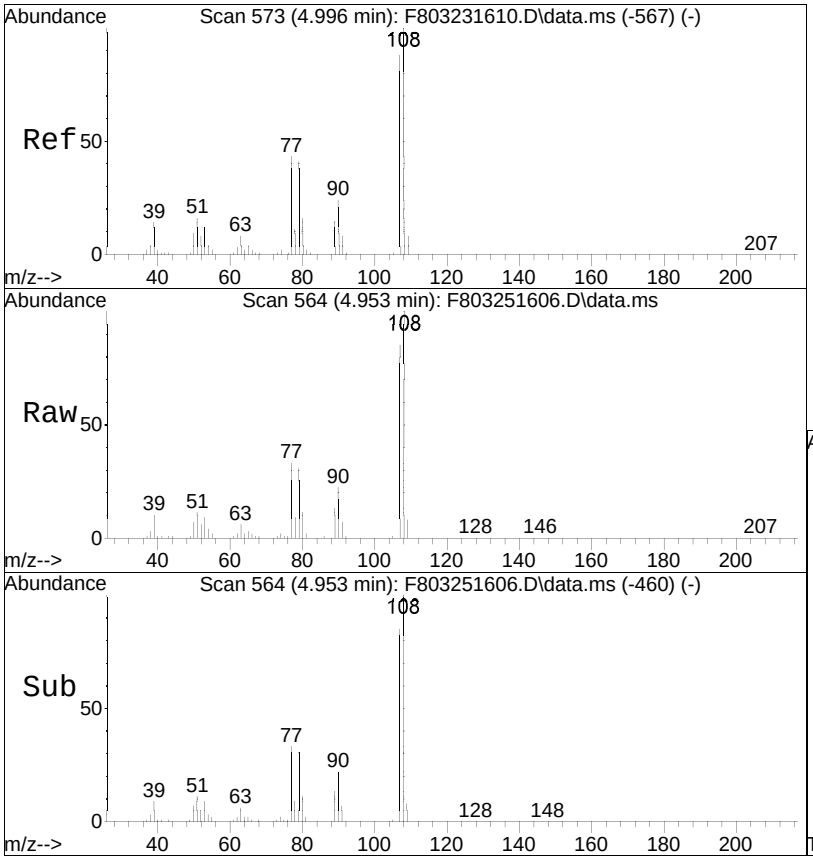


#15
bis(2-chloroisopropyl)ether
Concen: 10.16 ug/mL
RT: 4.986 min Scan# 571
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion: 45 Resp: 1377347

Ion	Ratio	Lower	Upper
45	100		
77	16.2	13.2	19.8
79	13.0	10.9	16.3

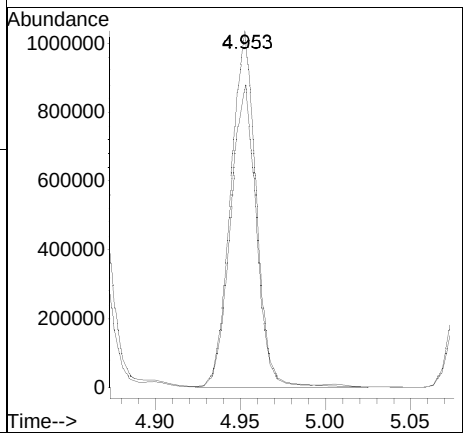


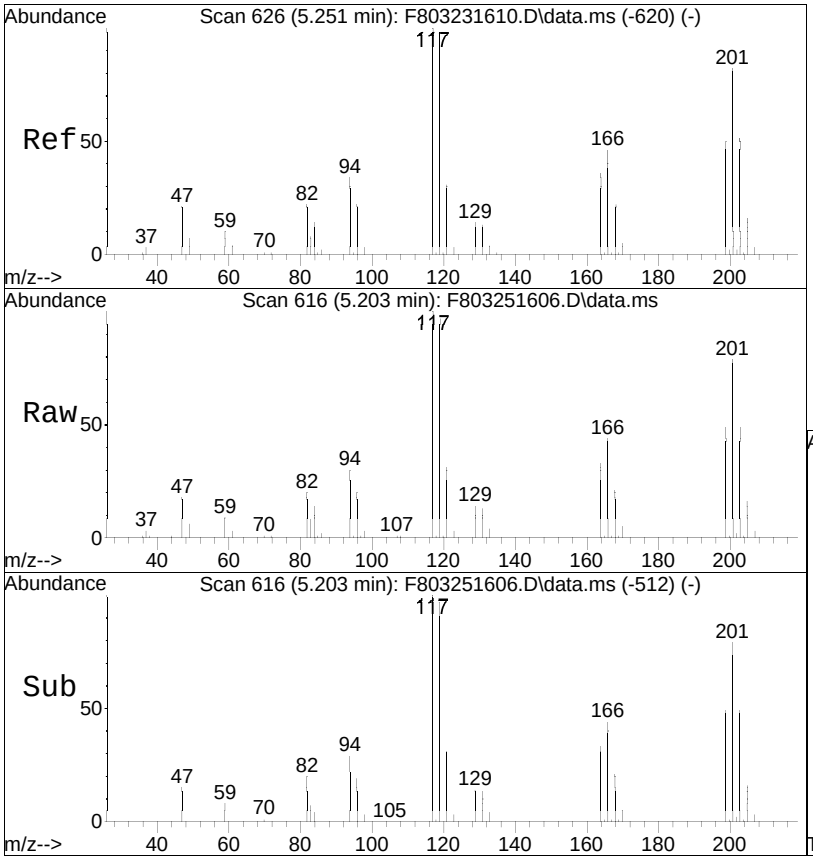


#16
2-Methylphenol
Concen: 10.18 ug/mL M4
RT: 4.953 min Scan# 564
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:108 Resp: 1090988

Ion	Ratio	Lower	Upper
108	100		
107	83.9	68.1	102.1

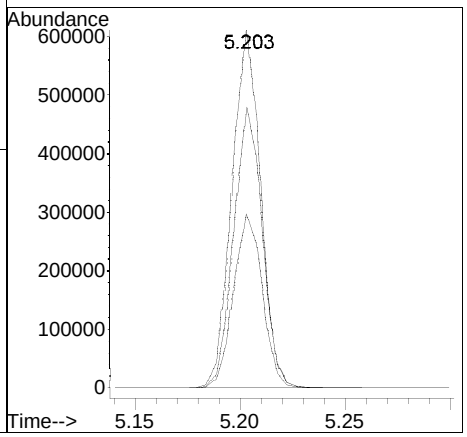


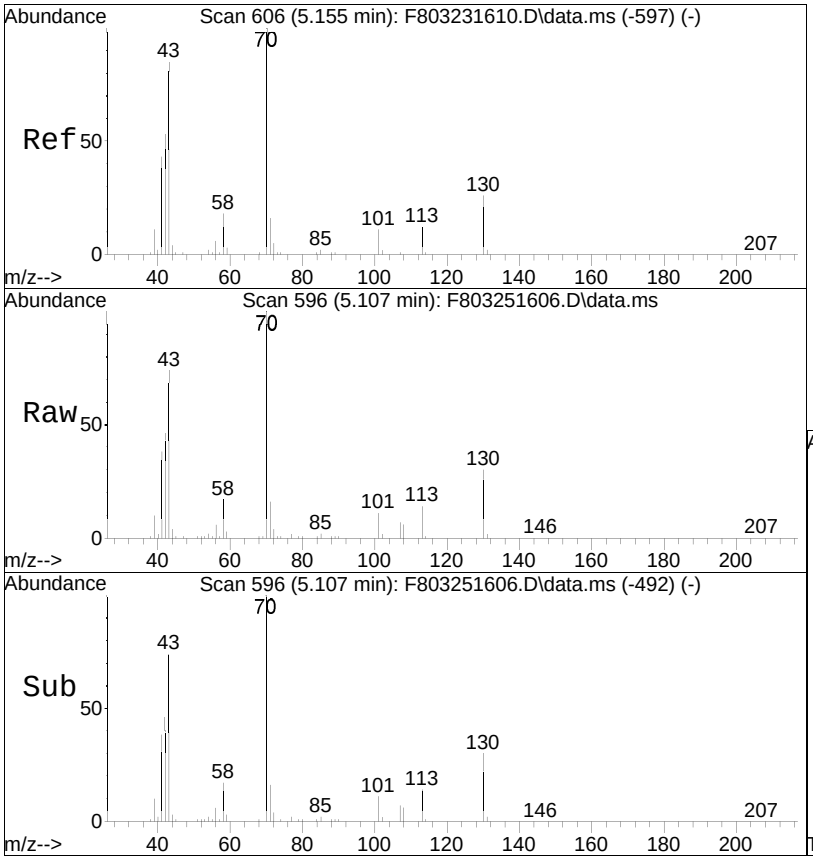


#18
Hexachloroethane
Concen: 10.31 ug/mL
RT: 5.203 min Scan# 616
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:117 Resp: 575140

Ion	Ratio	Lower	Upper
117	100		
201	78.1	62.8	94.2
199	48.9	39.0	58.4

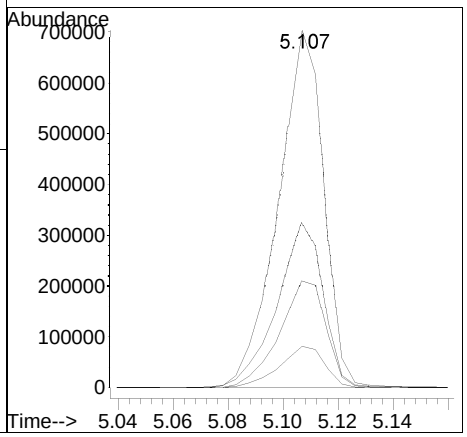


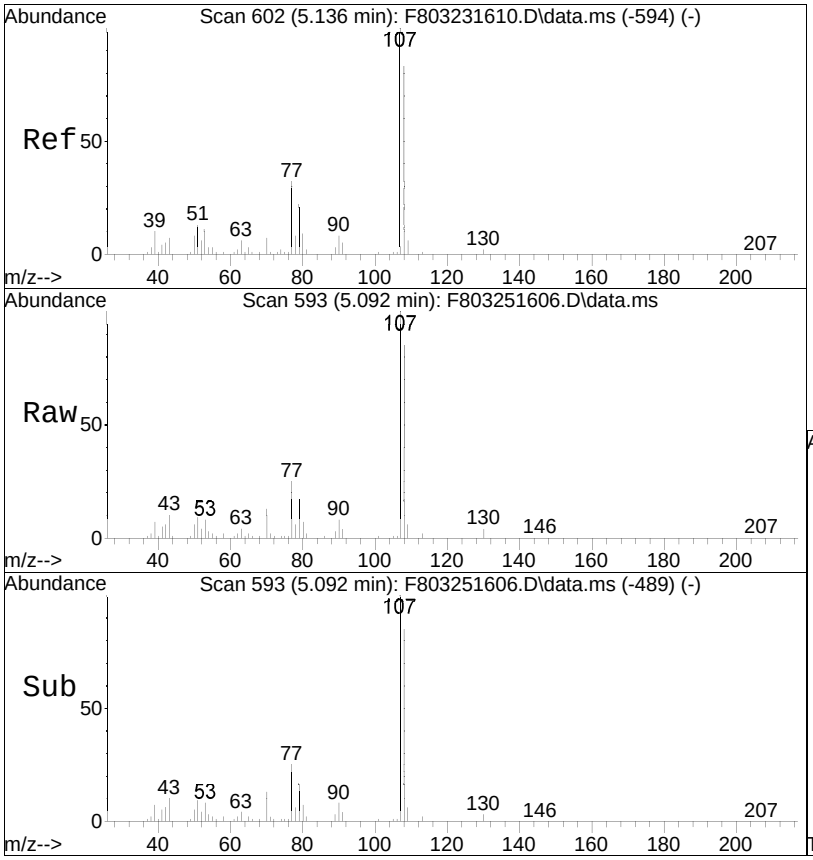


#19
N-Nitroso-di-n-propylamine
Concen: 10.01 ug/mL
RT: 5.107 min Scan# 596
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion: 70 Resp: 801900

Ion	Ratio	Lower	Upper
70	100		
42	47.1	37.1	55.7
130	31.0	24.0	36.0
101	11.7	9.2	13.8

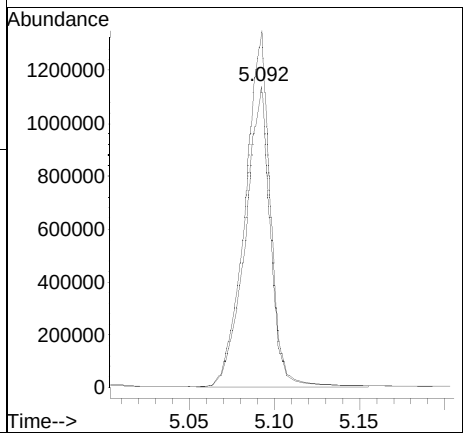


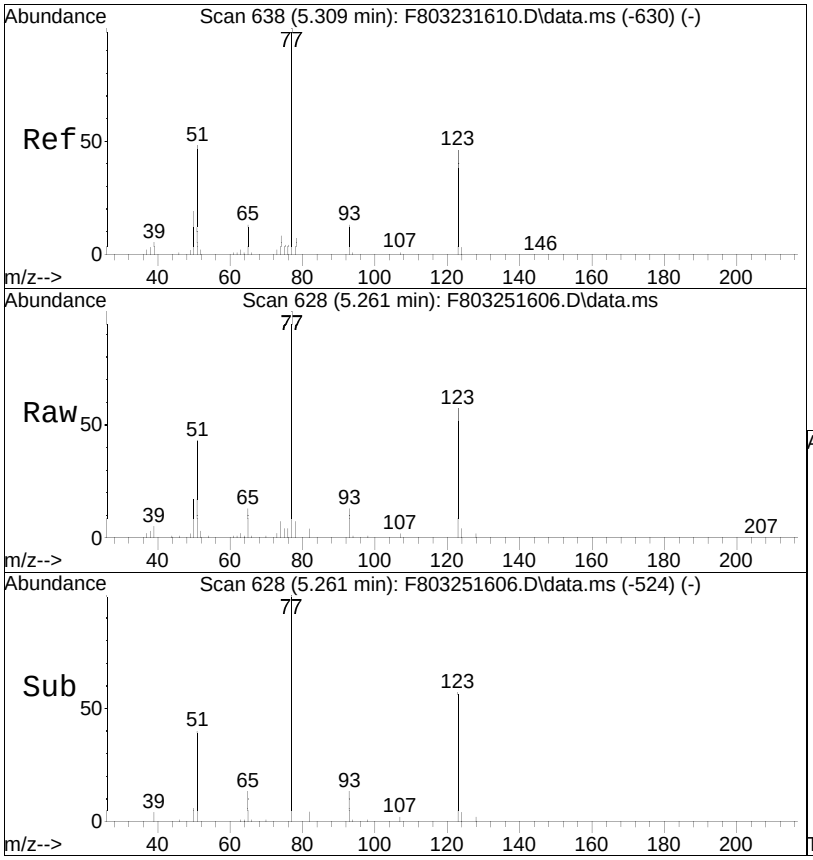


#20
4-Methylphenol
Concen: 10.30 ug/mL M4
RT: 5.092 min Scan# 593
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:108 Resp: 1172617

Ion	Ratio	Lower	Upper
108	100		
107	118.5	94.6	142.0

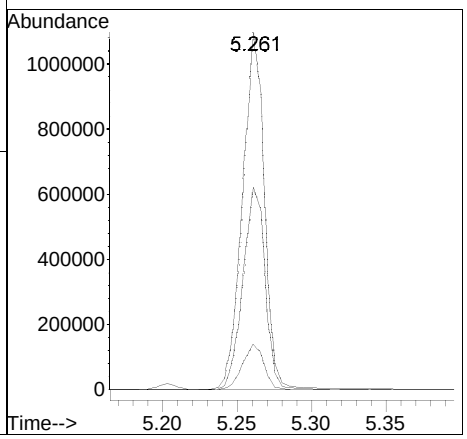


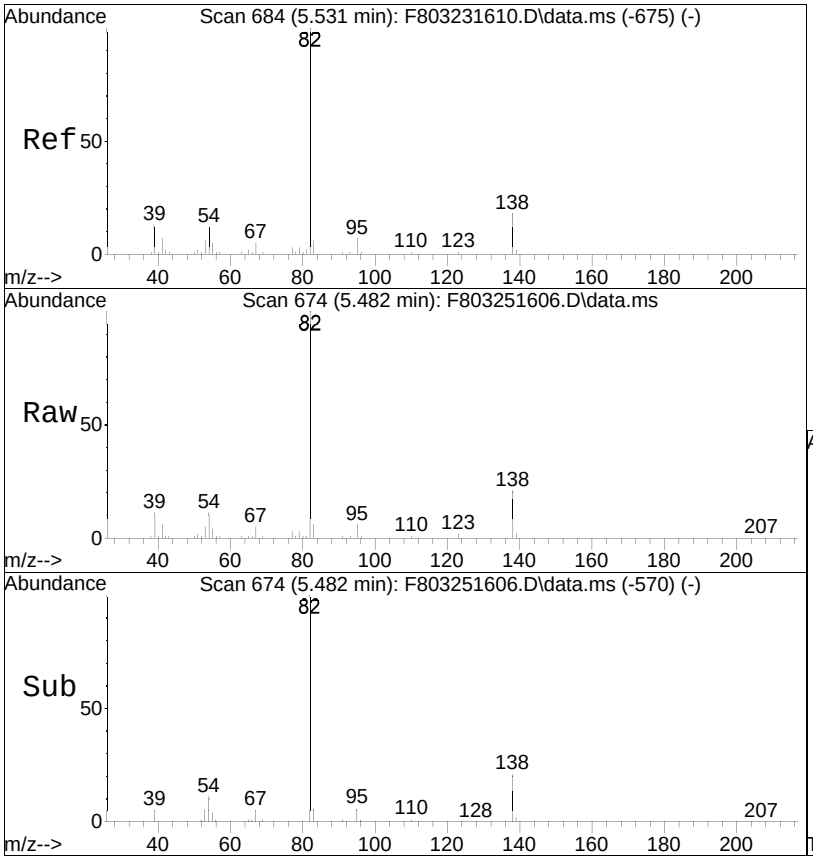


#23
Nitrobenzene
Concen: 10.60 ug/mL
RT: 5.261 min Scan# 628
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion: 77 Resp: 1101987

Ion	Ratio	Lower	Upper
77	100		
123	58.1	45.4	68.2
65	12.8	10.2	15.4

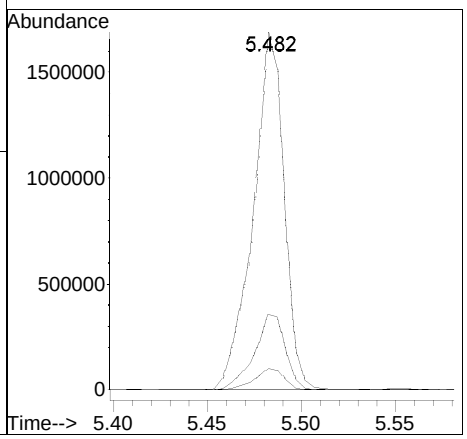


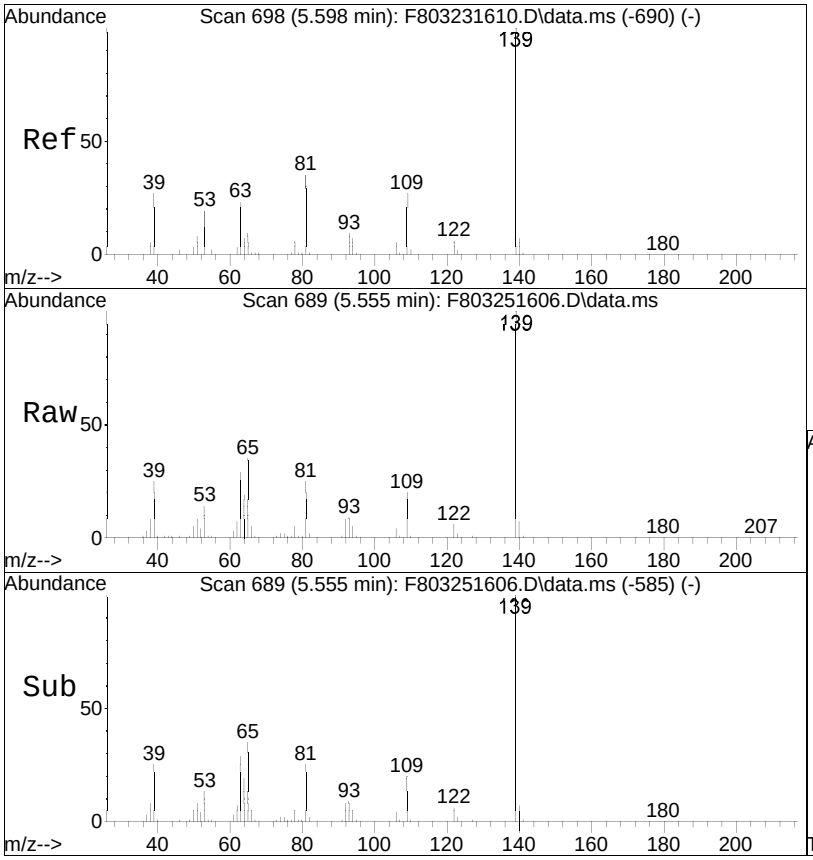


#24
Isophorone
Concen: 10.27 ug/mL
RT: 5.482 min Scan# 674
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion: 82 Resp: 1916892

Ion	Ratio	Lower	Upper
82	100		
138	21.5	17.0	25.4
95	6.1	4.9	7.3

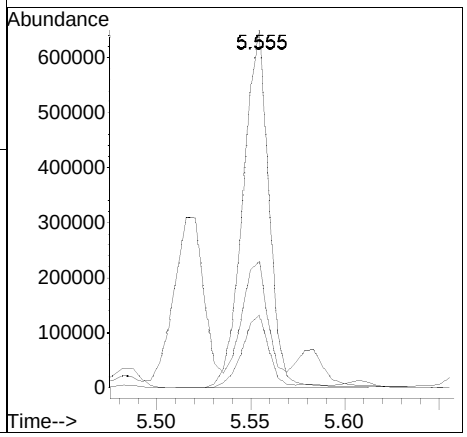


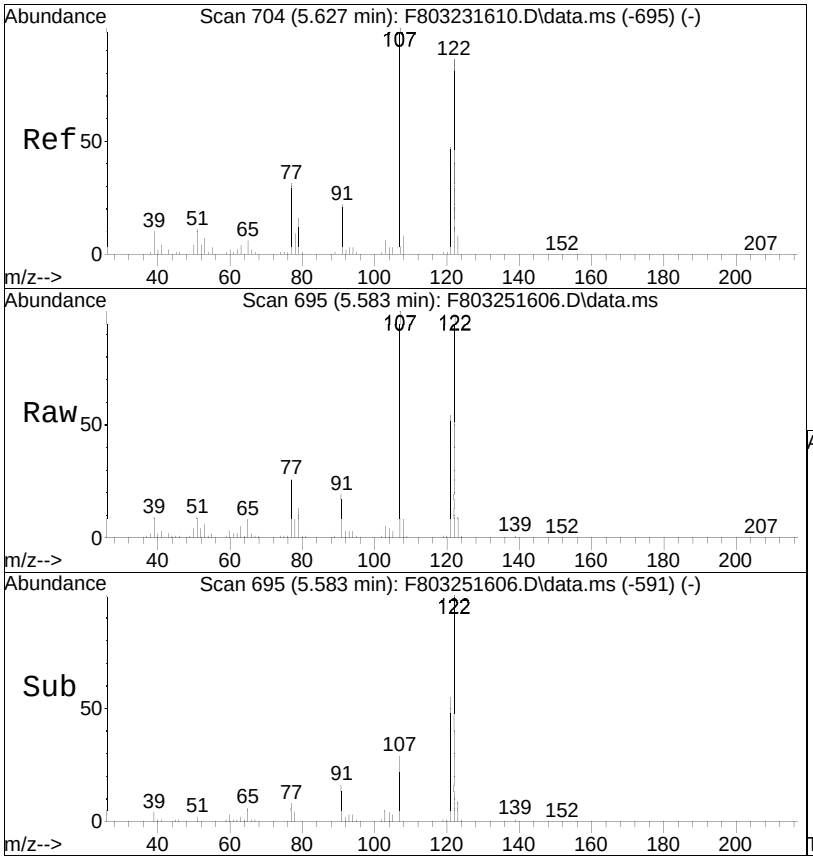


#25
2-Nitrophenol
Concen: 9.99 ug/mL
RT: 5.555 min Scan# 689
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:139 Resp: 624583

Ion	Ratio	Lower	Upper
139	100		
65	37.1	28.4	42.6
109	20.6	16.3	24.5

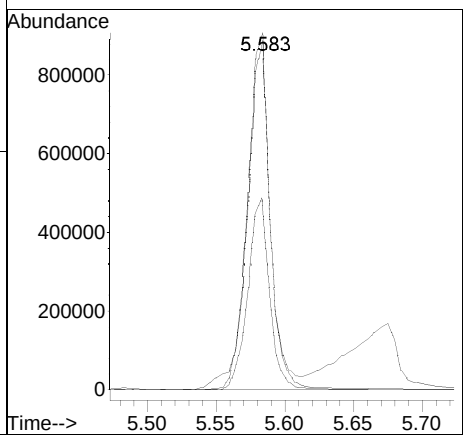


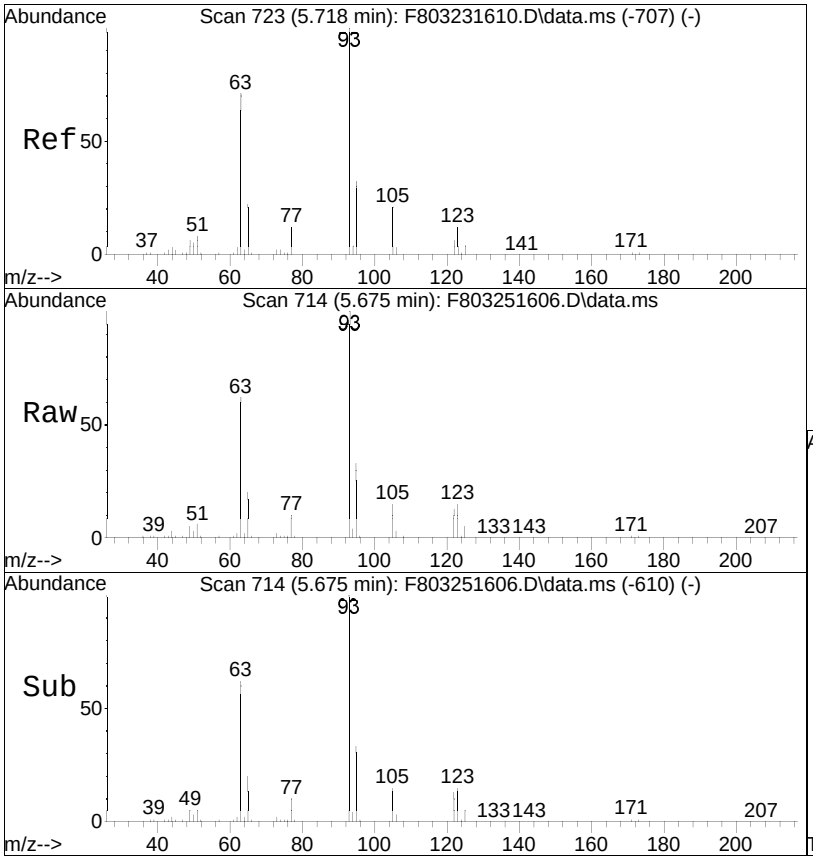


#26
2,4-Dimethylphenol
Concen: 10.09 ug/mL
RT: 5.583 min Scan# 695
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:107 Resp: 1024937

Ion	Ratio	Lower	Upper
107	100		
122	100.6	78.4	117.6
121	52.5	43.0	64.6

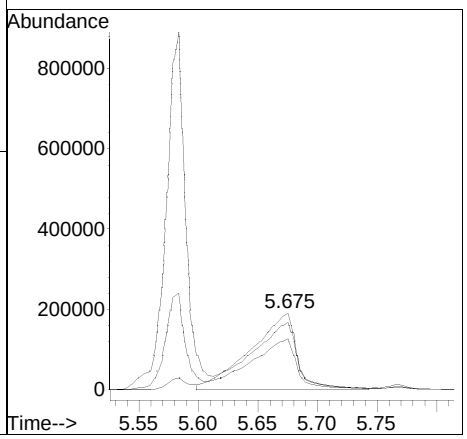


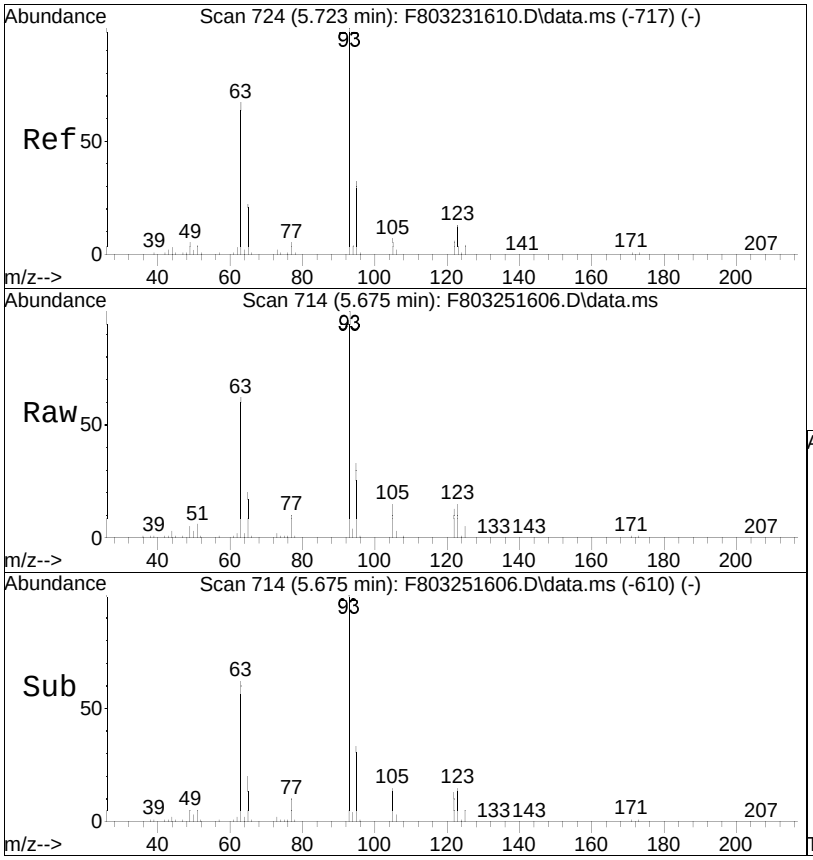


#27
Benzoic acid
Concen: 9.42 ug/mL M4
RT: 5.675 min Scan# 714
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:105 Resp: 532432

Ion	Ratio	Lower	Upper
105	100		
122	84.0	70.9	106.3
77	62.4	53.4	80.0

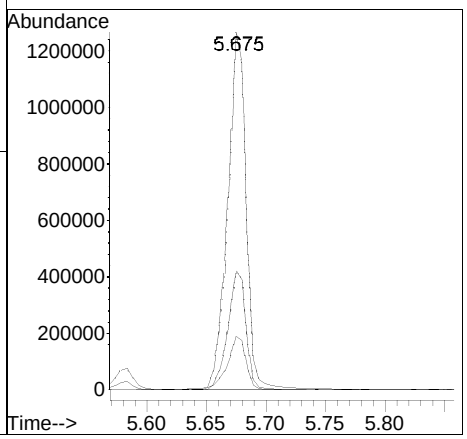


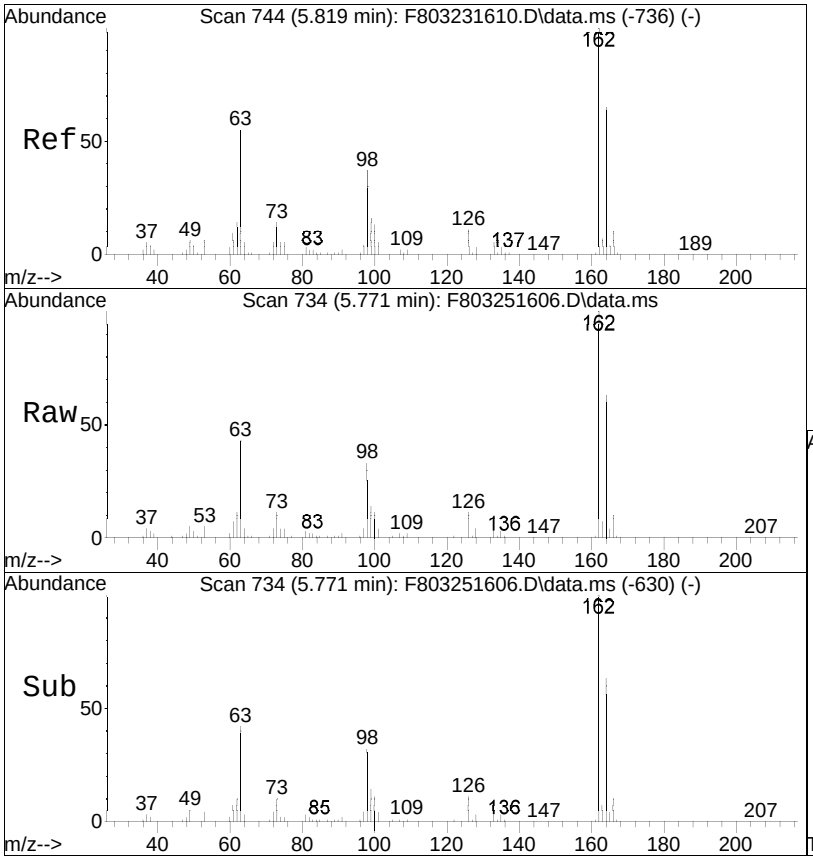


#28
bis(2-Chloroethoxy)methane
Concen: 10.27 ug/mL
RT: 5.675 min Scan# 714
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion: 93 Resp: 1346641

Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.7	40.1
123	15.8	11.9	17.9

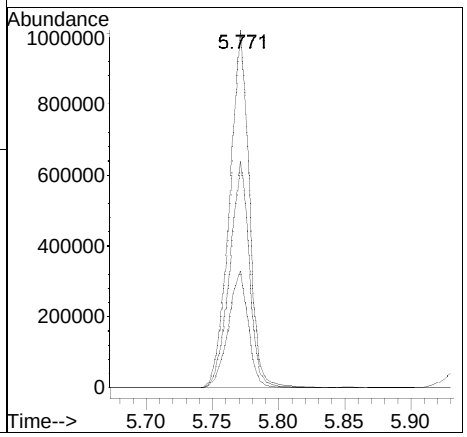


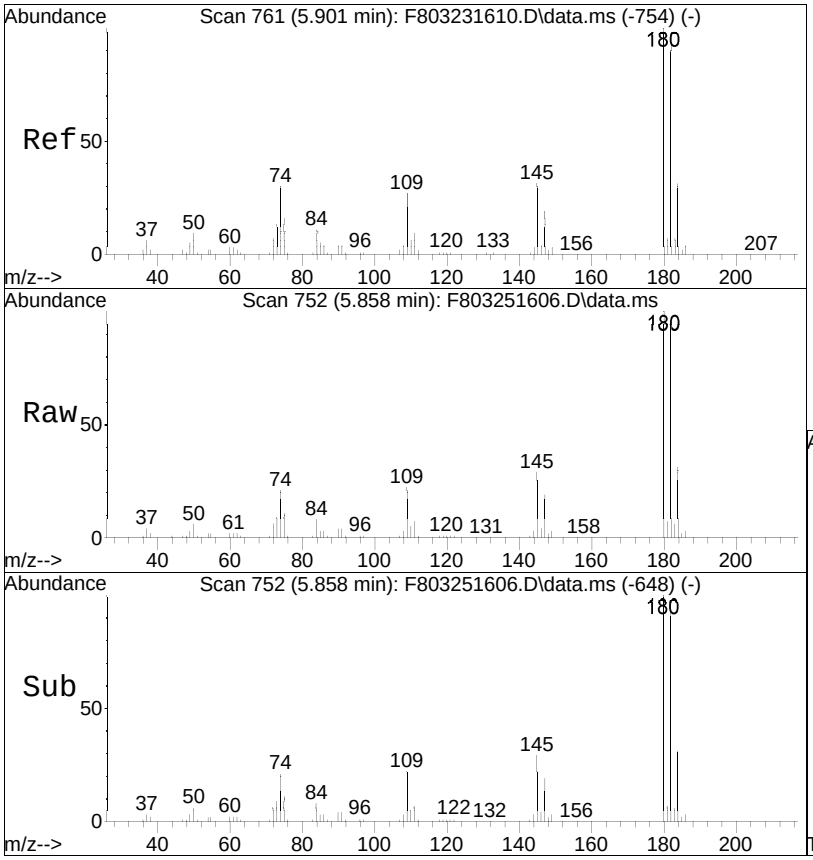


#29
2,4-Dichlorophenol
Concen: 10.57 ug/mL
RT: 5.771 min Scan# 734
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:162 Resp: 1038373

Ion	Ratio	Lower	Upper
162	100		
164	63.5	50.8	76.2
98	33.1	26.3	39.5

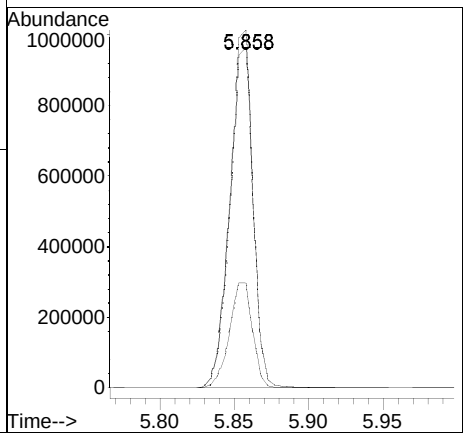


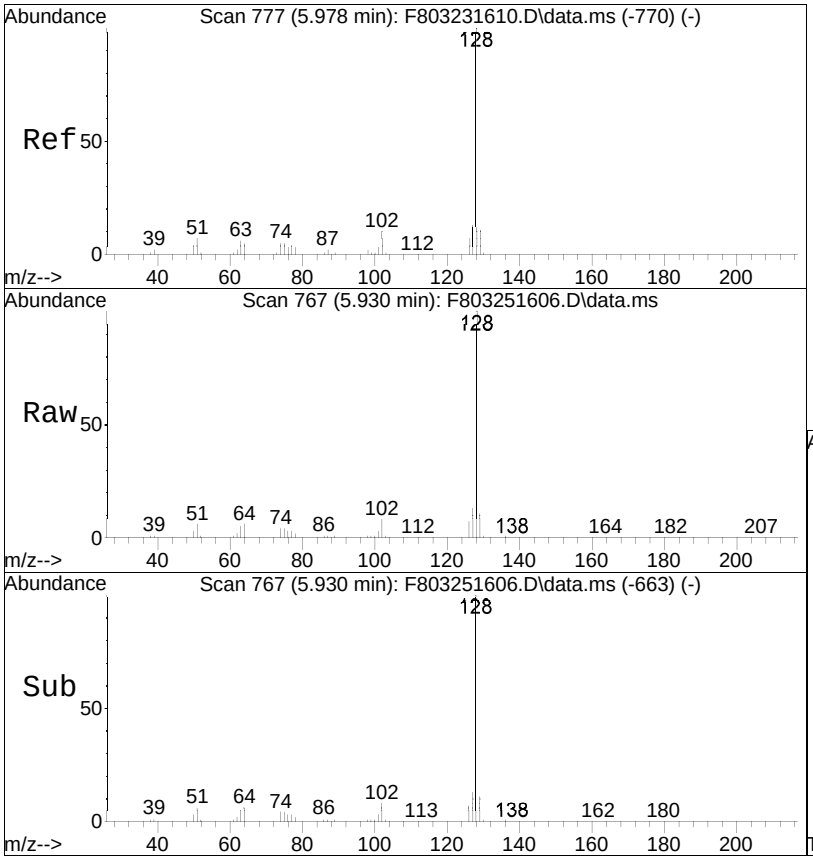


#30
1,2,4-Trichlorobenzene
Concen: 10.25 ug/mL
RT: 5.858 min Scan# 752
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:180 Resp: 1077785

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.2	114.4
145	29.8	23.6	35.4

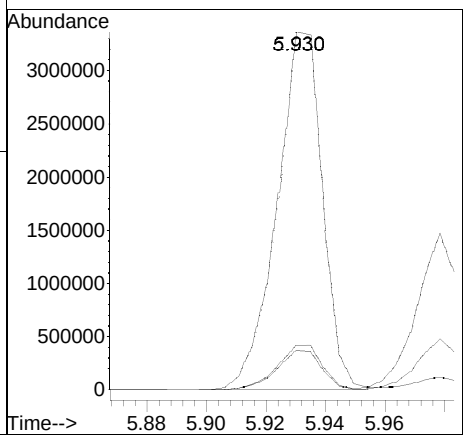


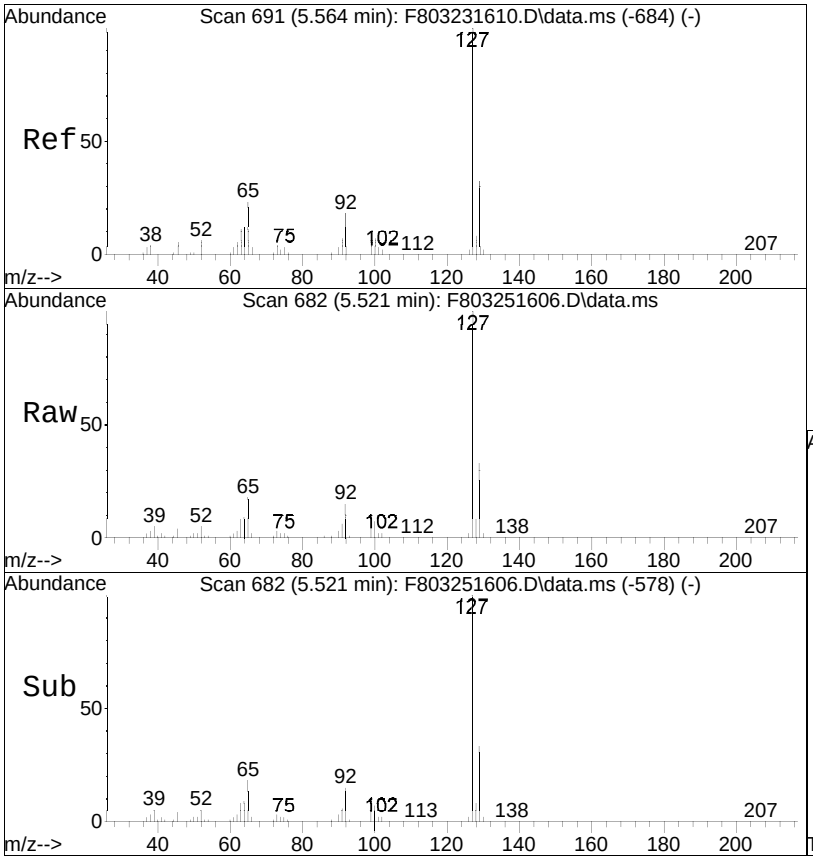


#31
Naphthalene
Concen: 10.30 ug/mL
RT: 5.930 min Scan# 767
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:128 Resp: 3551027

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	12.6	10.0	15.0

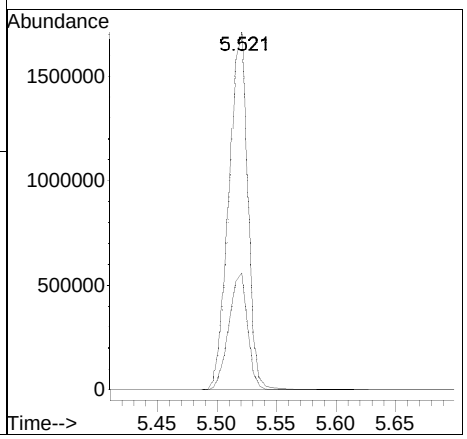


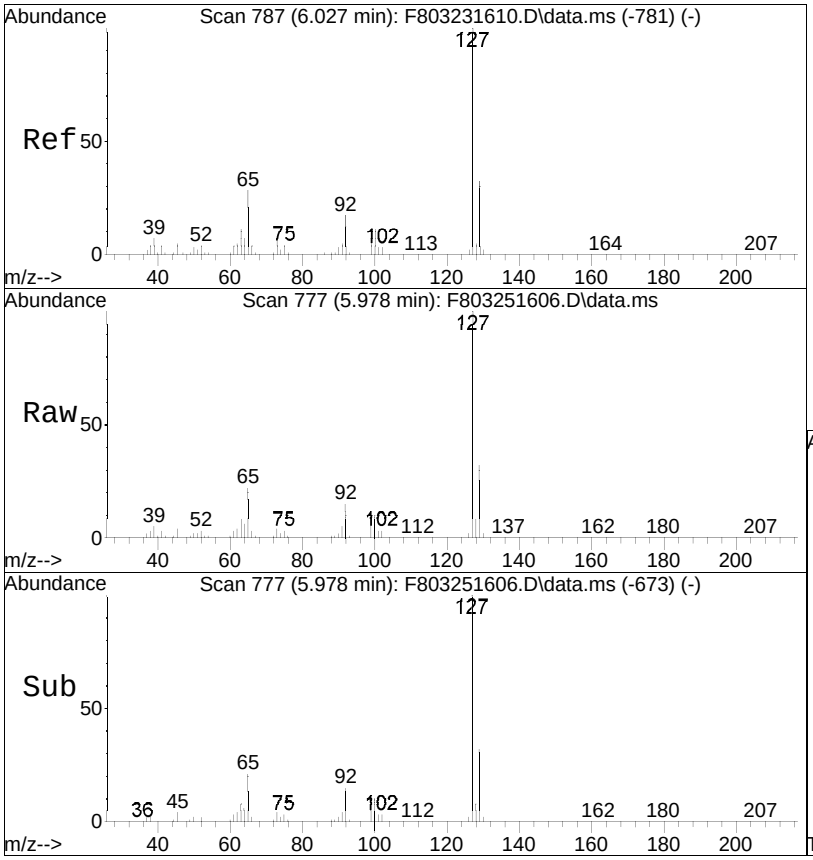


#32
2-Chloroaniline
Concen: 10.41 ug/ml
RT: 5.521 min Scan# 682
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:127 Resp: 1881720

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.2	39.4

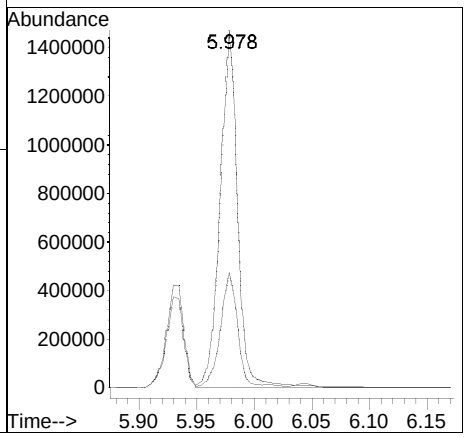


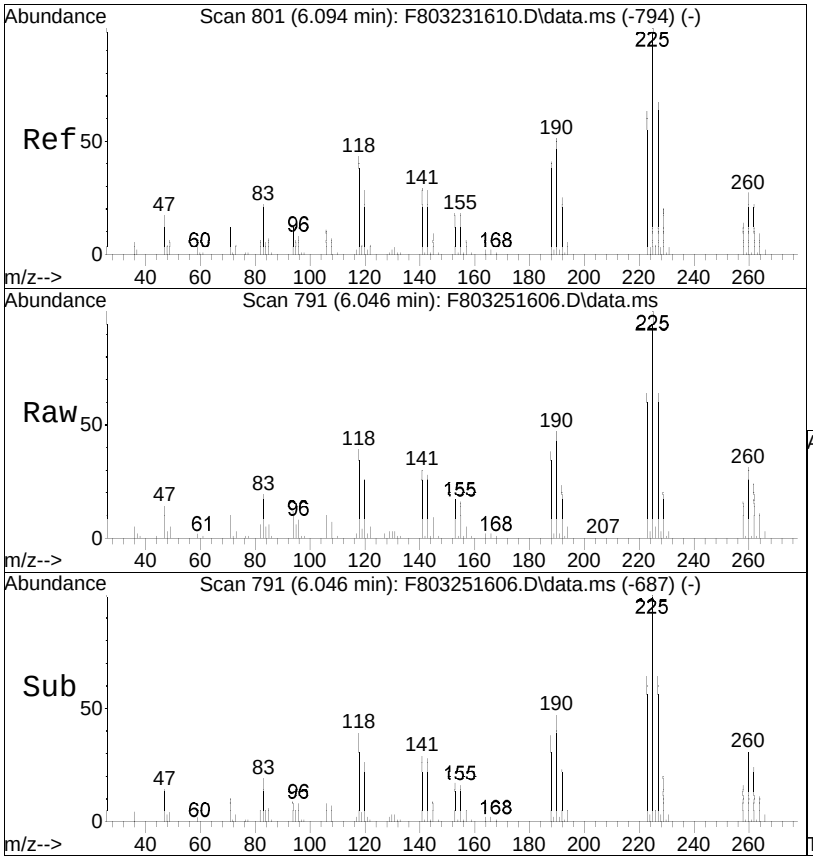


#33
4-Chloroaniline
Concen: 10.33 ug/mL
RT: 5.978 min Scan# 777
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:127 Resp: 1532941

Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.8	38.6

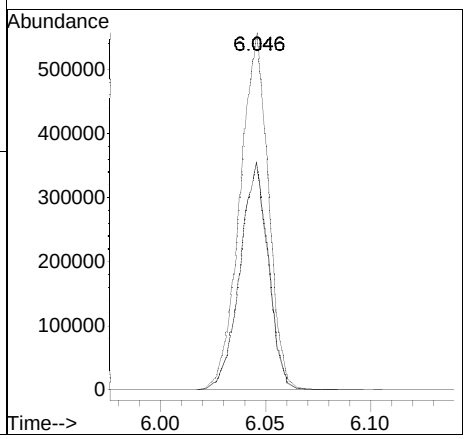


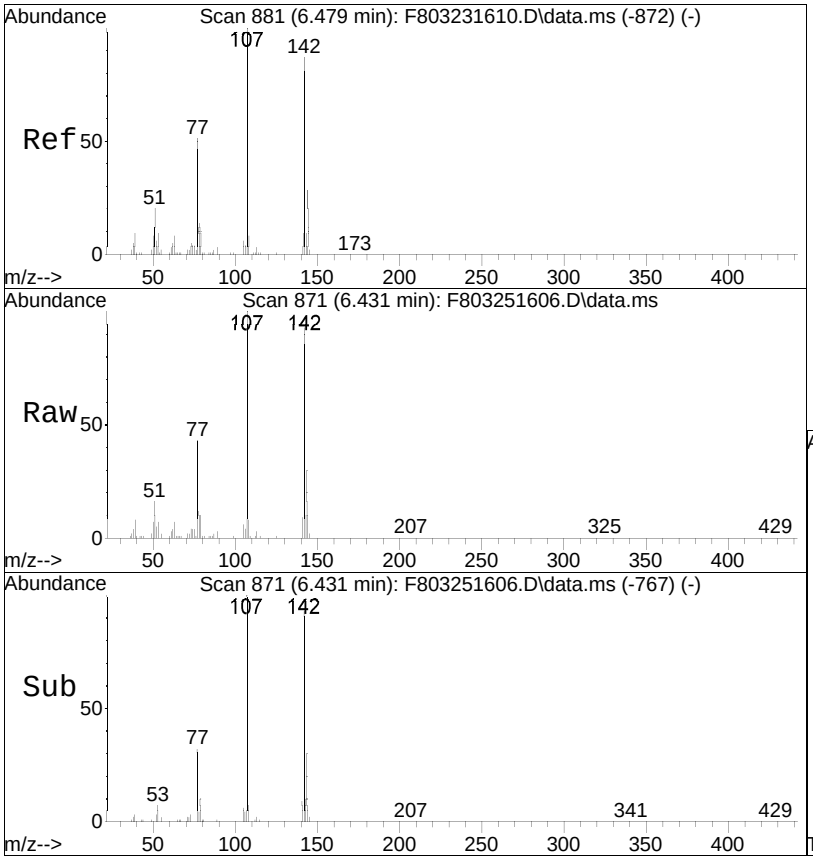


#34
Hexachlorobutadiene
Concen: 10.23 ug/mL
RT: 6.046 min Scan# 791
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:225 Resp: 521688

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.8	76.2
227	64.0	51.1	76.7

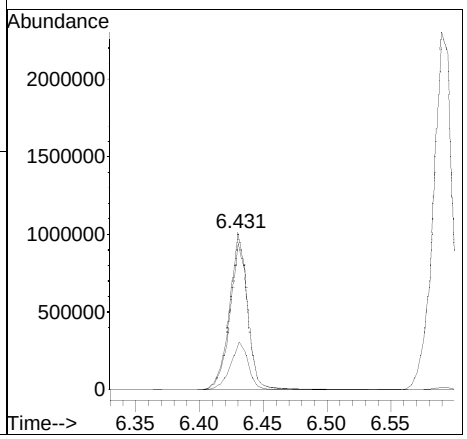


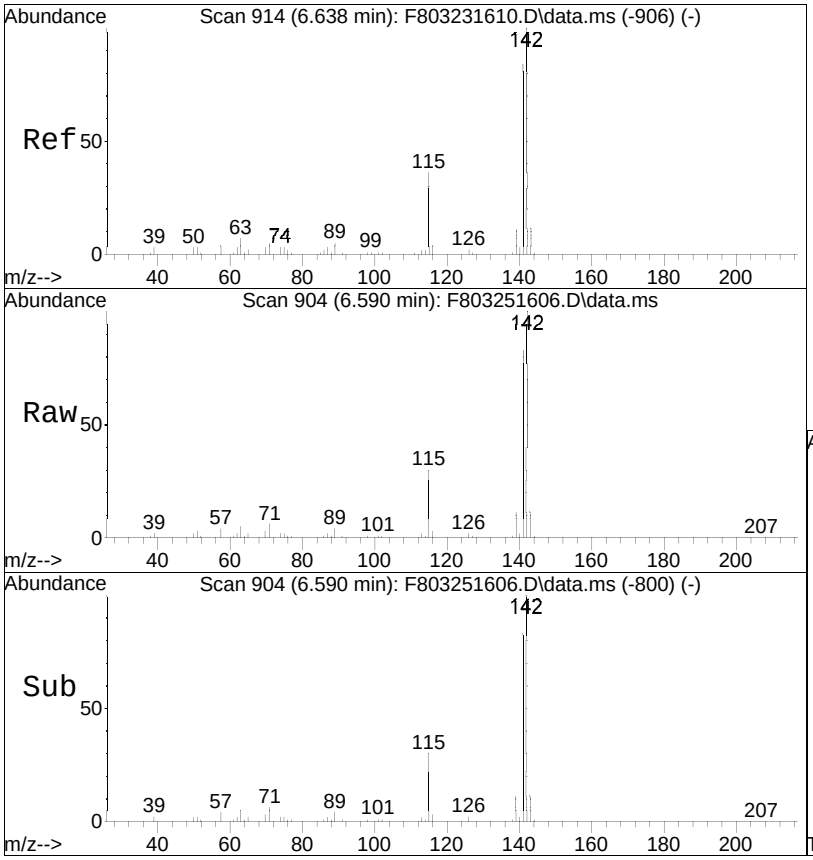


#36
4-Chloro-3-methylphenol
Concen: 10.59 ug/mL
RT: 6.431 min Scan# 871
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:107 Resp: 1007201

Ion	Ratio	Lower	Upper
107	100		
144	30.3	24.3	36.5
142	93.4	74.4	111.6

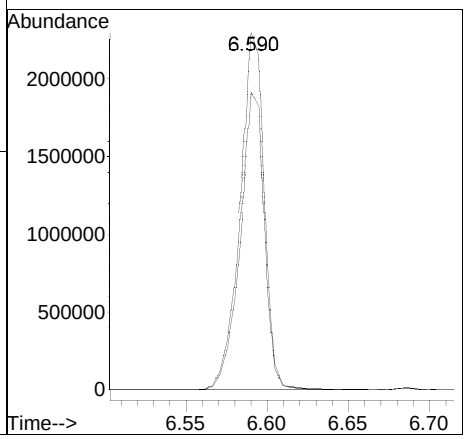


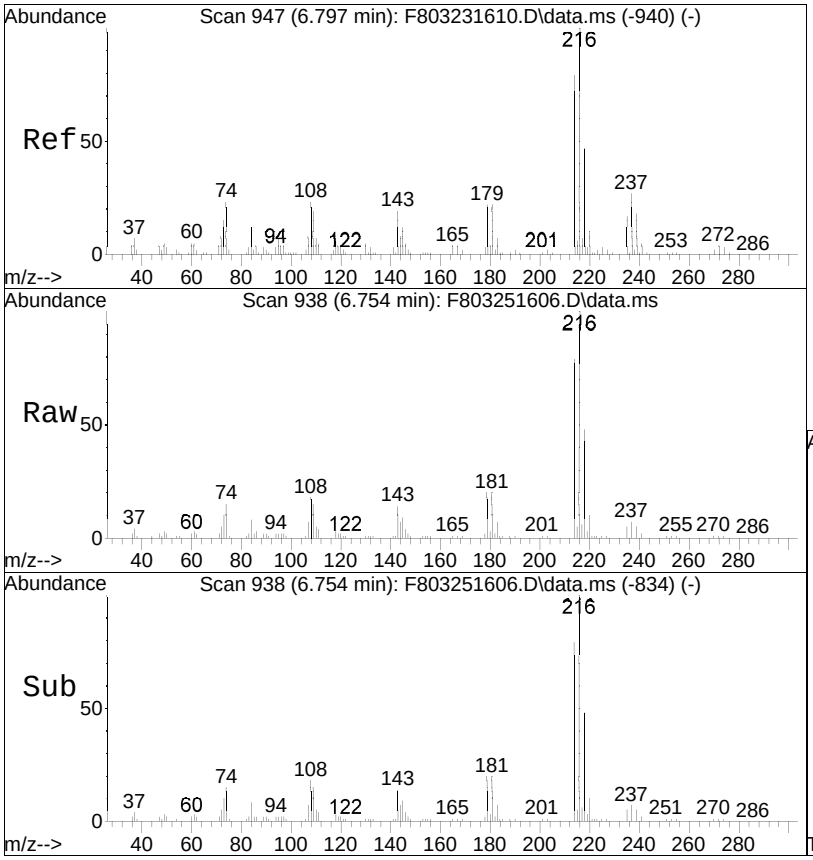


#37
2-Methylnaphthalene
Concen: 10.53 ug/mL
RT: 6.590 min Scan# 904
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:142 Resp: 2370158

Ion	Ratio	Lower	Upper
142	100		
141	83.6	66.6	100.0

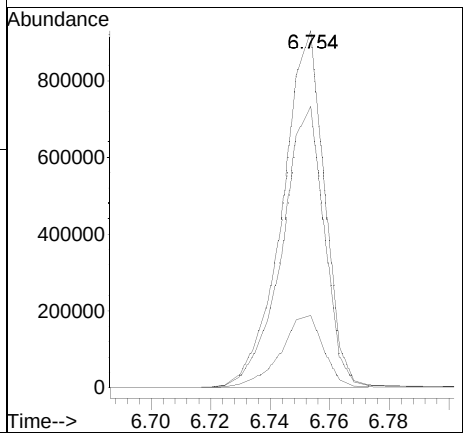


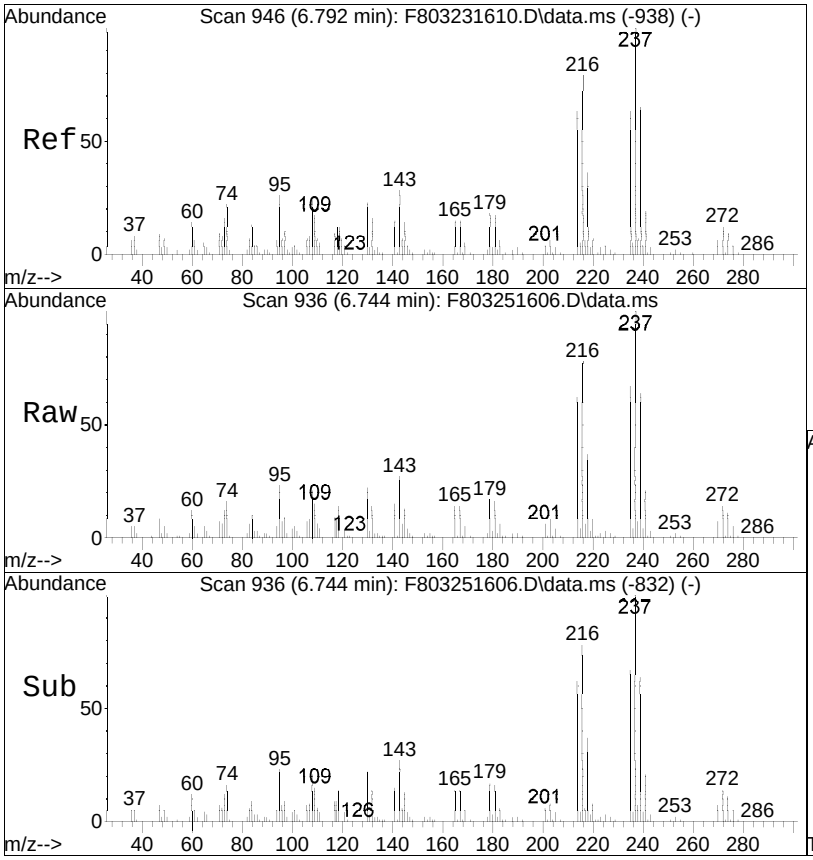


#39
1,2,4,5-Tetrachlorobenzene
Concen: 10.62 ug/mL
RT: 6.754 min Scan# 938
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:216 Resp: 916871

Ion	Ratio	Lower	Upper
216	100		
214	79.9	63.0	94.6
179	20.6	16.2	24.4

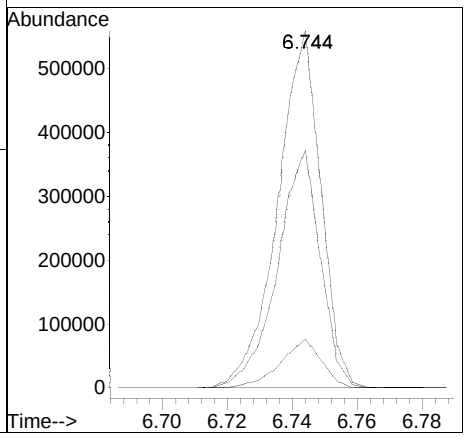


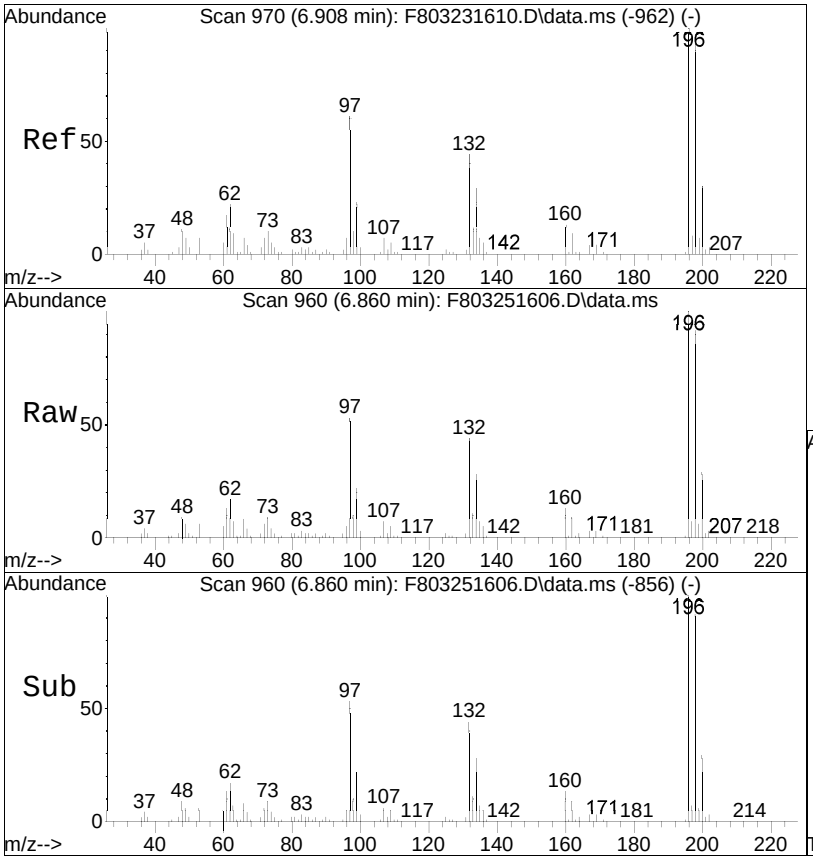


#40
Hexachlorocyclopentadiene
Concen: 11.08 ug/mL
RT: 6.744 min Scan# 936
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:237 Resp: 515376

Ion	Ratio	Lower	Upper
237	100		
235	66.3	53.3	79.9
272	13.2	10.9	16.3

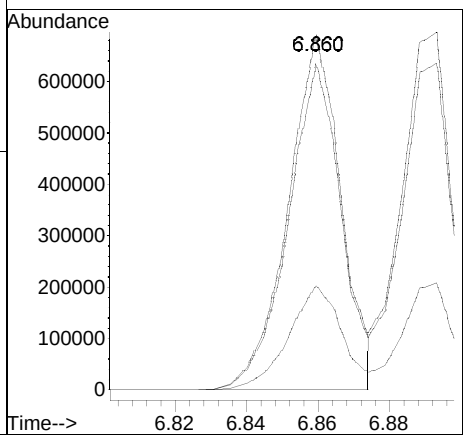


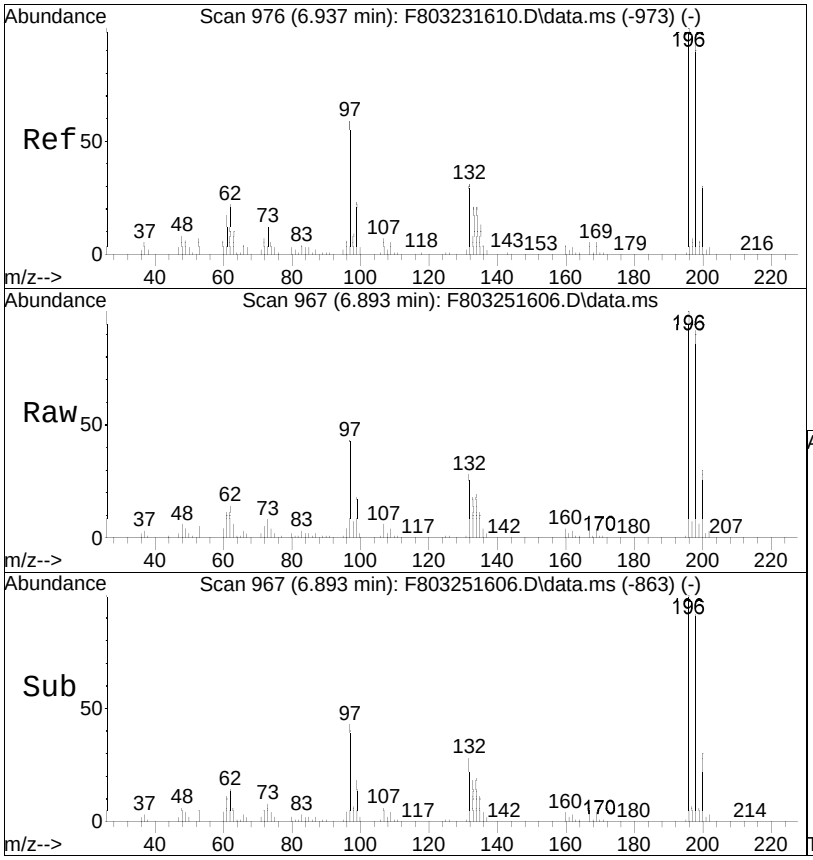


#41
2,4,6-Trichlorophenol
Concen: 10.81 ug/mL
RT: 6.860 min Scan# 960
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:196 Resp: 715028

Ion	Ratio	Lower	Upper
196	100		
198	92.1	73.6	110.4
200	29.6	23.5	35.3

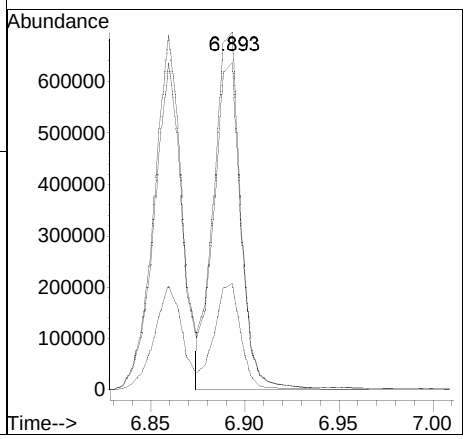


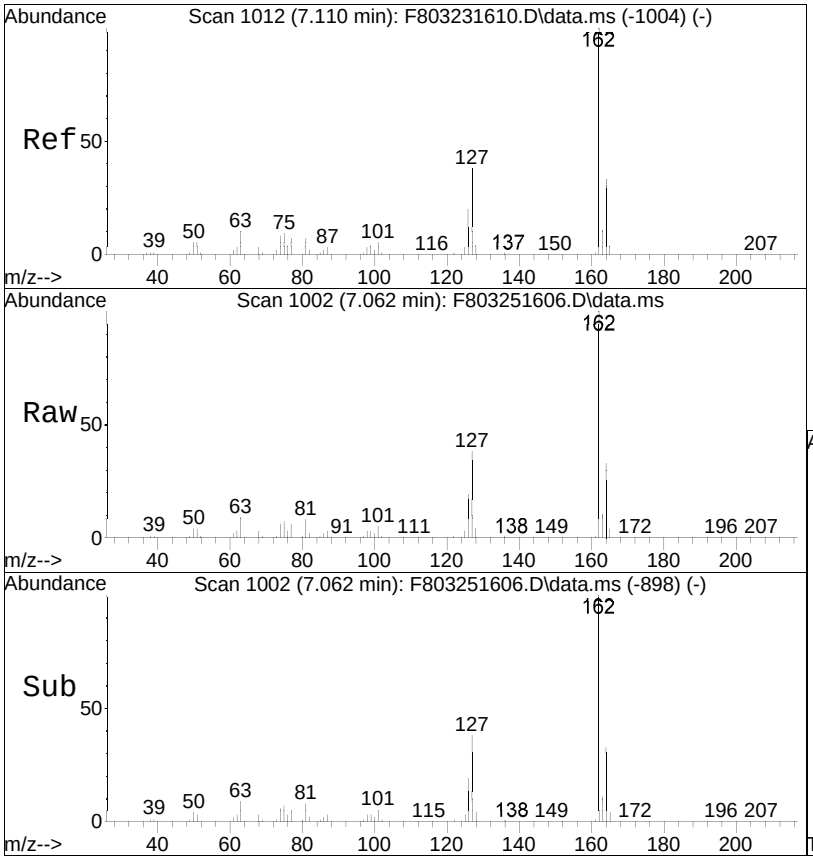


#42
2,4,5-Trichlorophenol
Concen: 10.76 ug/mL M4
RT: 6.893 min Scan# 967
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:196 Resp: 705131

Ion	Ratio	Lower	Upper
196	100		
198	90.3	73.2	109.8
200	29.3	23.9	35.9

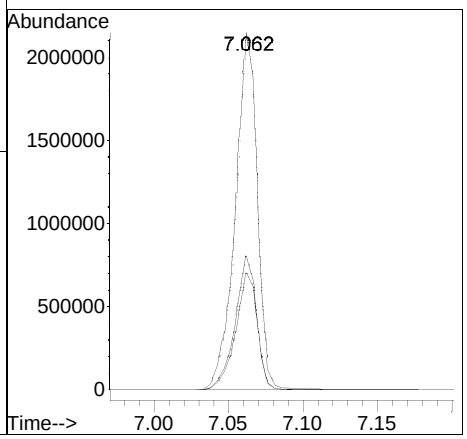


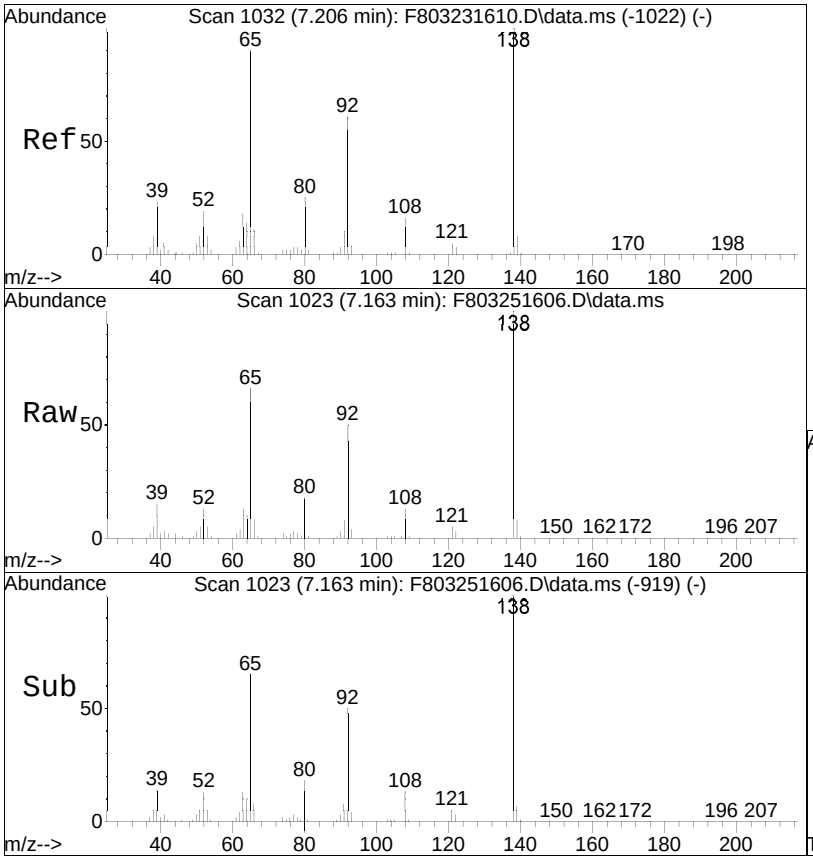


#45
2-Chloronaphthalene
Concen: 10.45 ug/mL
RT: 7.062 min Scan# 1002
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:162 Resp: 2182800

Ion	Ratio	Lower	Upper
162	100		
164	32.7	26.4	39.6
127	36.6	30.2	45.2

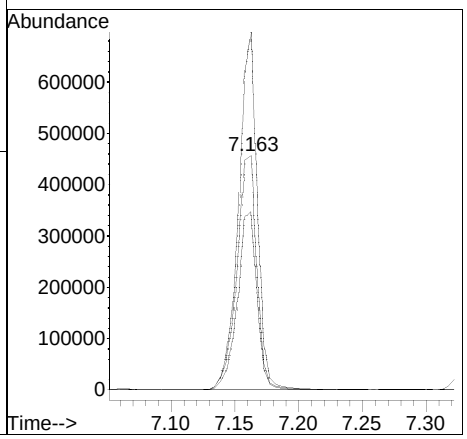


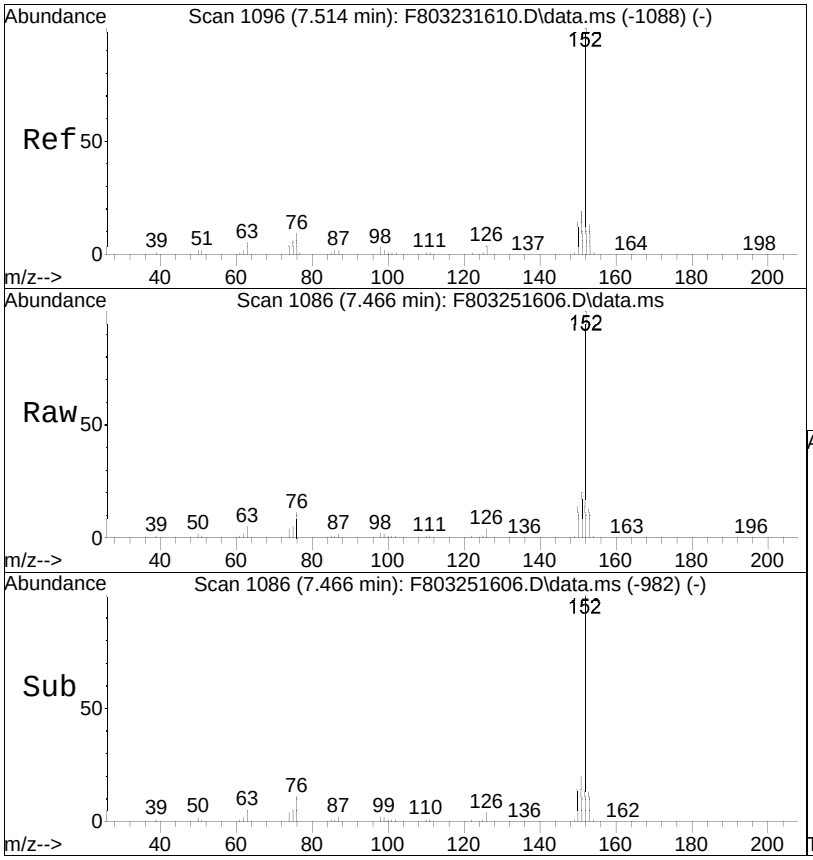


#46
2-Nitroaniline
Concen: 11.33 ug/mL
RT: 7.163 min Scan# 1023
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion: 65 Resp: 492663

Ion	Ratio	Lower	Upper
65	100		
92	75.0	61.0	91.4
138	142.8	122.0	183.0

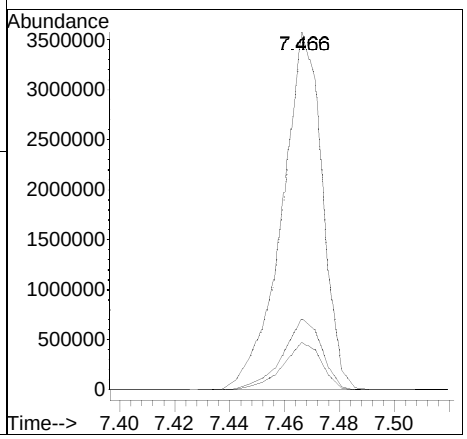


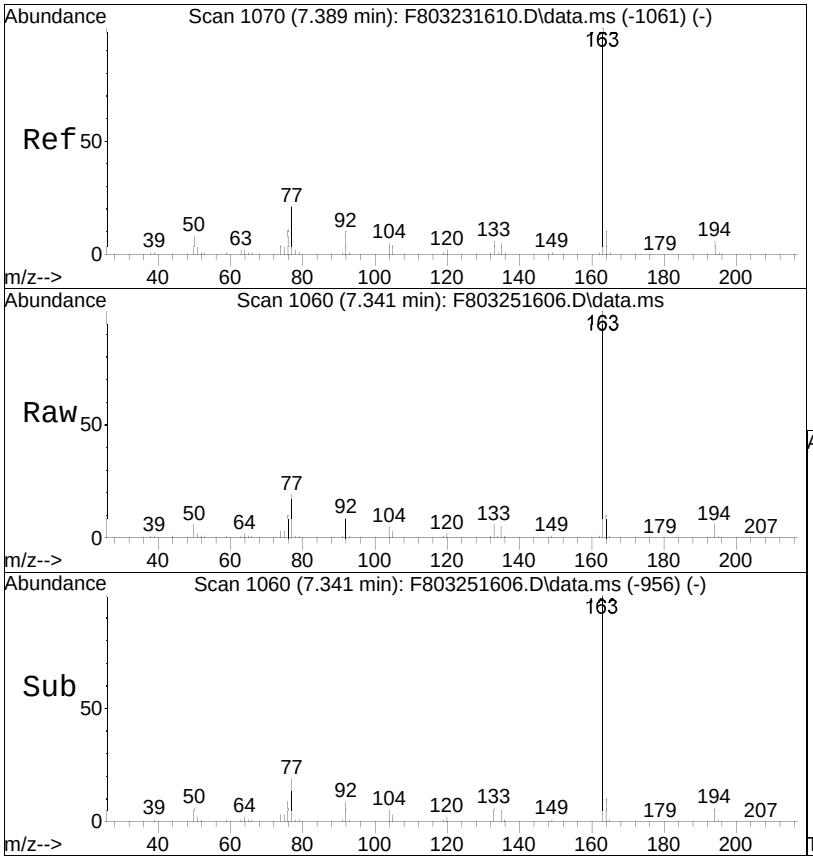


#47
Acenaphthylene
Concen: 10.55 ug/mL
RT: 7.466 min Scan# 1086
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:152 Resp: 3636713

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.8	23.8
153	13.1	10.6	16.0

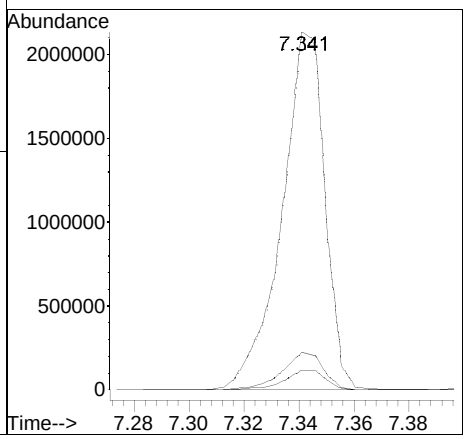


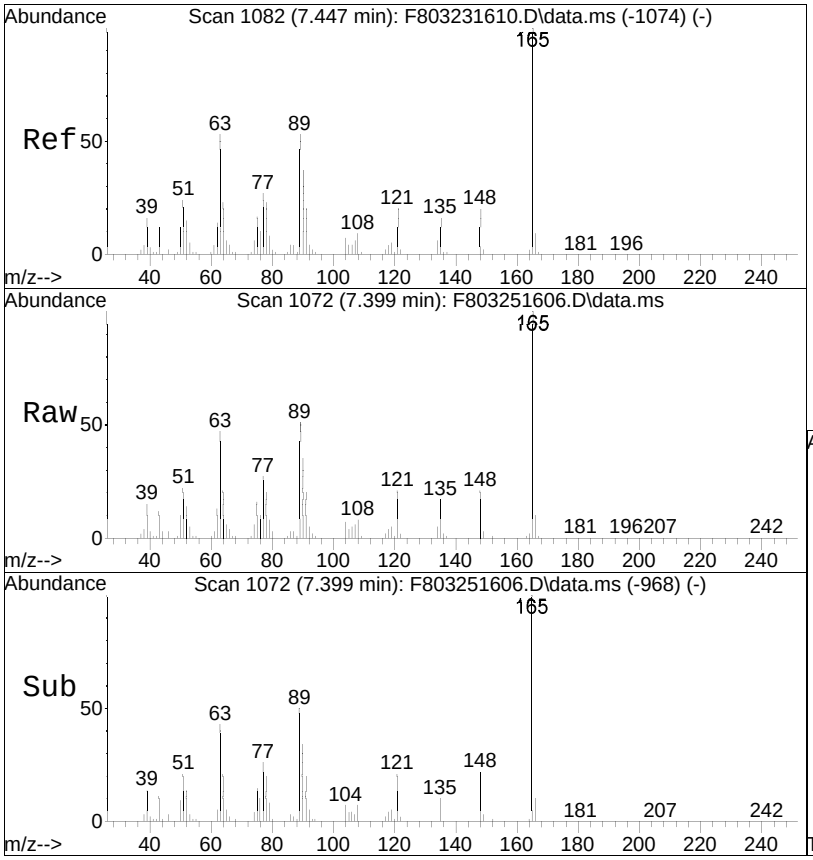


#48
Dimethylphthalate
Concen: 10.28 ug/mL
RT: 7.341 min Scan# 1060
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:163 Resp: 2301911

Ion	Ratio	Lower	Upper
163	100		
194	5.5	4.4	6.6
164	10.3	8.3	12.5

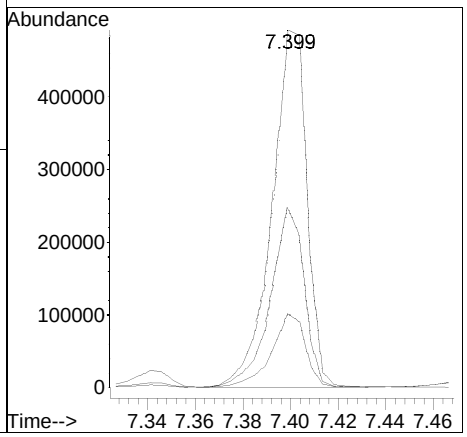


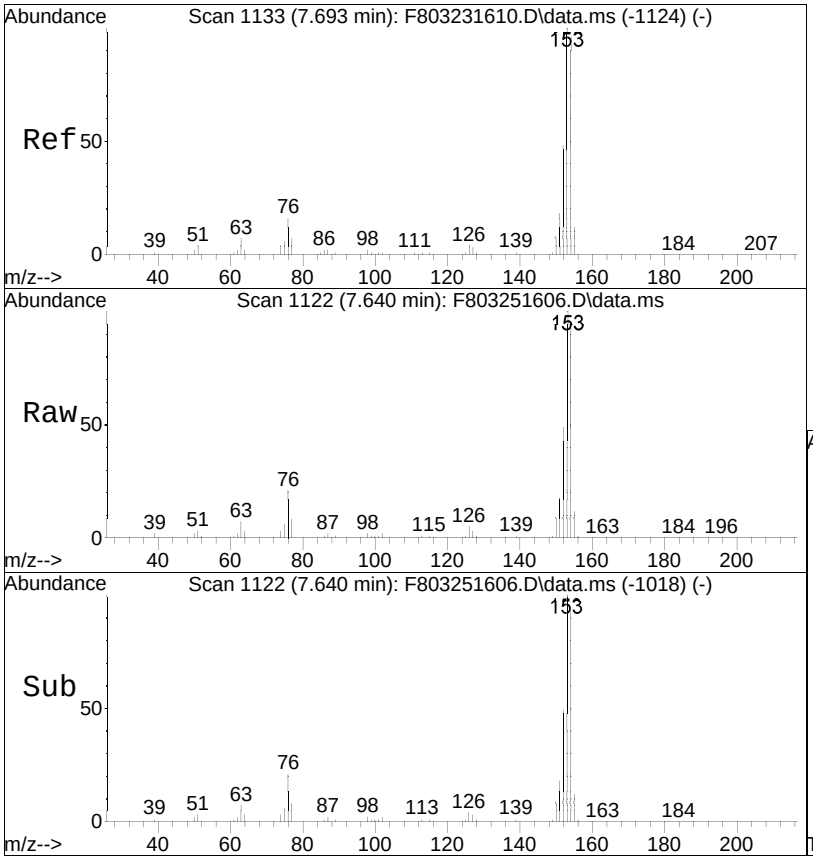


#49
2,6-Dinitrotoluene
Concen: 10.12 ug/mL M4
RT: 7.399 min Scan# 1072
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:165 Resp: 499671

Ion	Ratio	Lower	Upper
165	100		
89	49.0	40.5	60.7
121	20.3	16.6	25.0

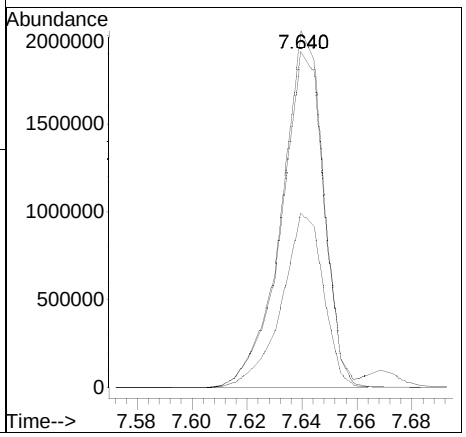


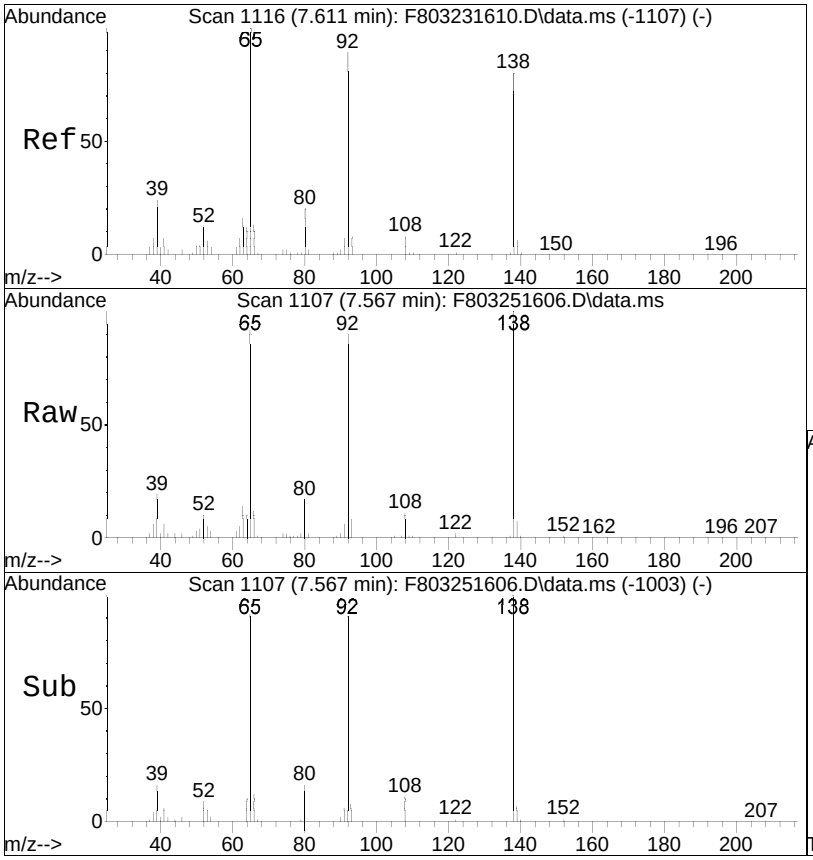


#50
Acenaphthene
Concen: 10.49 ug/mL
RT: 7.640 min Scan# 1122
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:153 Resp: 2158529

Ion	Ratio	Lower	Upper
153	100		
154	95.8	75.4	113.0
152	48.5	39.3	58.9

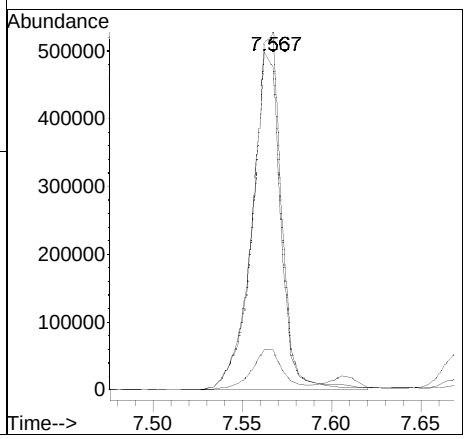


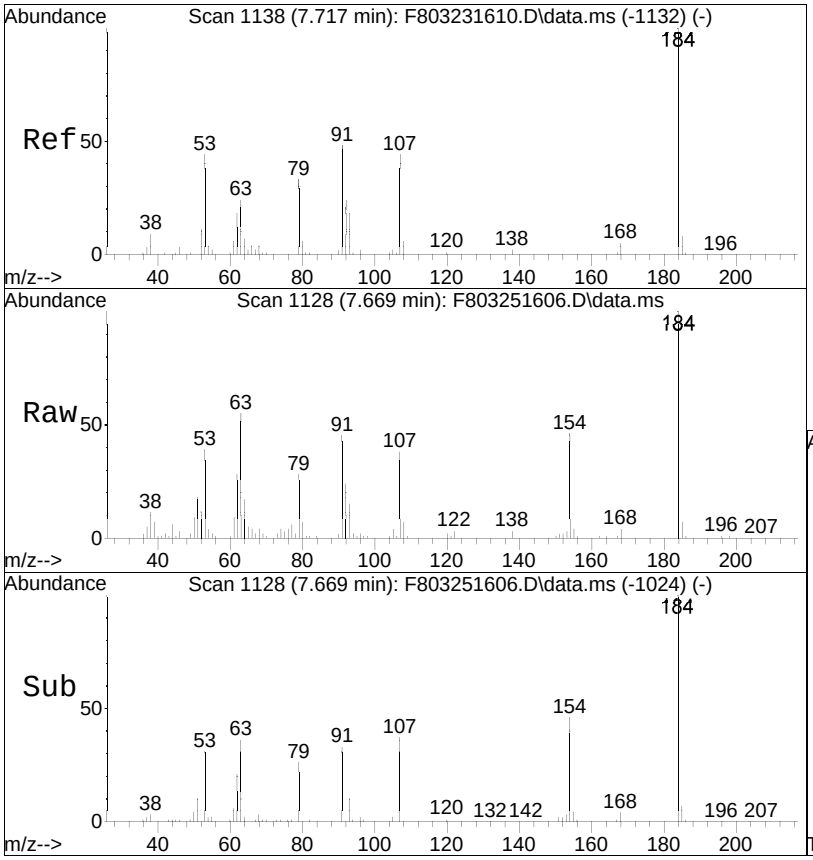


#51
3-Nitroaniline
Concen: 10.10 ug/mL
RT: 7.567 min Scan# 1107
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:138 Resp: 576274

Ion	Ratio	Lower	Upper
138	100		
108	12.6	8.9	13.3
92	94.9	72.2	108.4

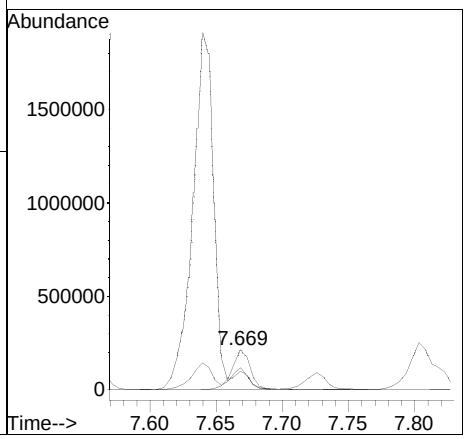


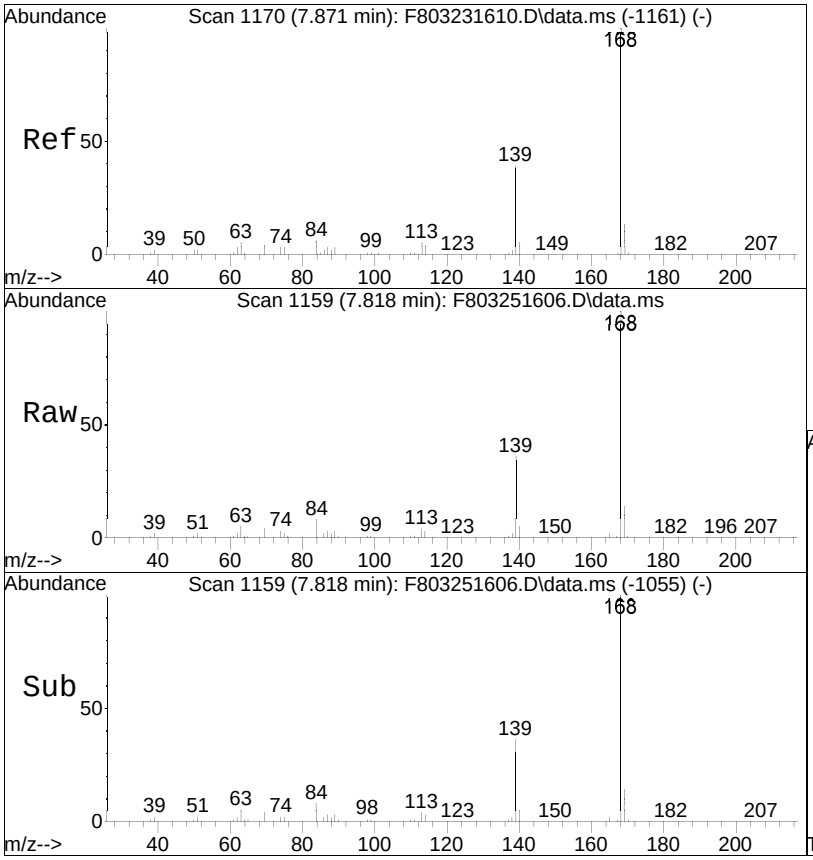


#52
2,4-Dinitrophenol
Concen: 9.55 ug/mL
RT: 7.669 min Scan# 1128
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:184 Resp: 218106

Ion	Ratio	Lower	Upper
184	100		
63	47.7	43.8	65.6
154	39.7	37.1	55.7

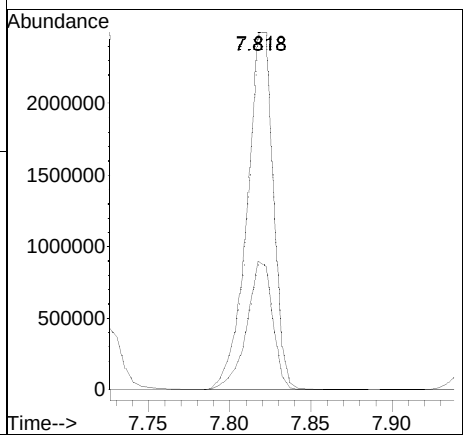


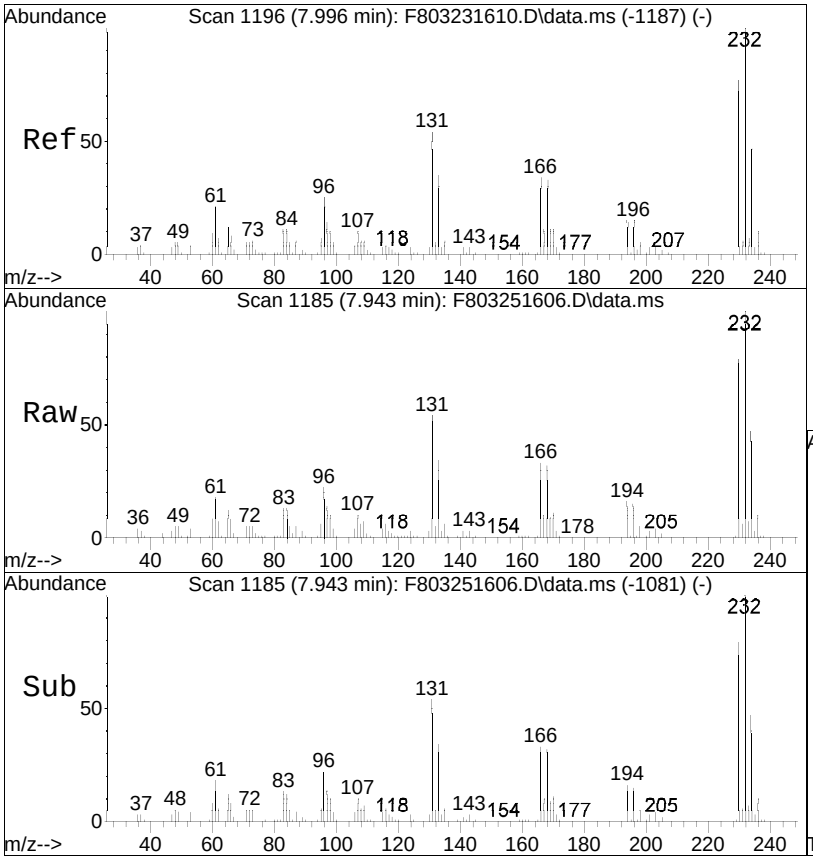


#53
Dibenzofuran
Concen: 10.53 ug/mL
RT: 7.818 min Scan# 1159
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:168 Resp: 2807297

Ion	Ratio	Lower	Upper
168	100		
139	35.2	28.8	43.2

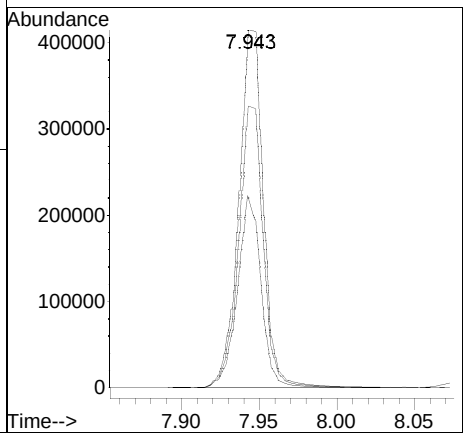


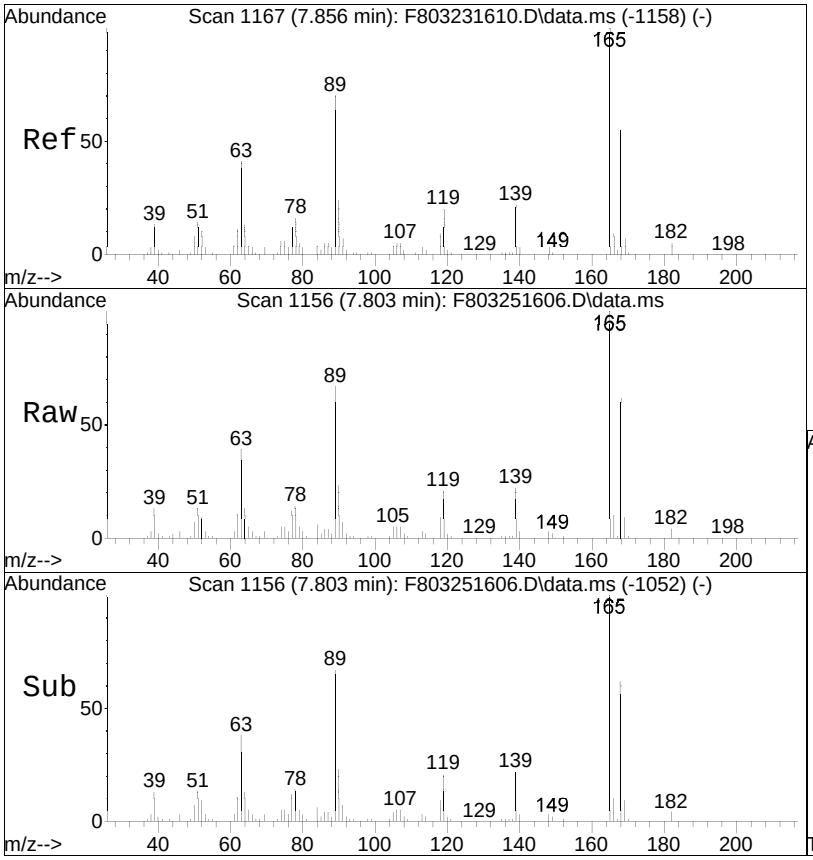


#54
2,3,4,6-Tetrachlorophenol
Concen: 11.09 ug/mL
RT: 7.943 min Scan# 1185
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:232 Resp: 452828

Ion	Ratio	Lower	Upper
232	100		
131	52.0	43.1	64.7
230	79.1	63.0	94.6

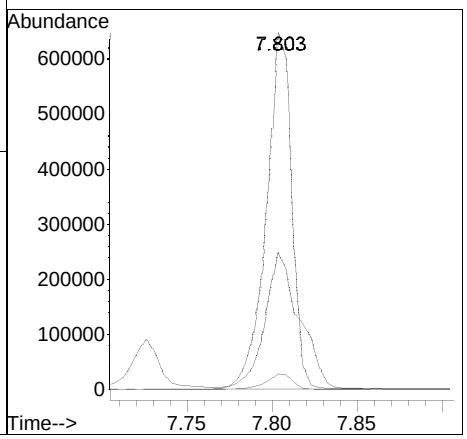


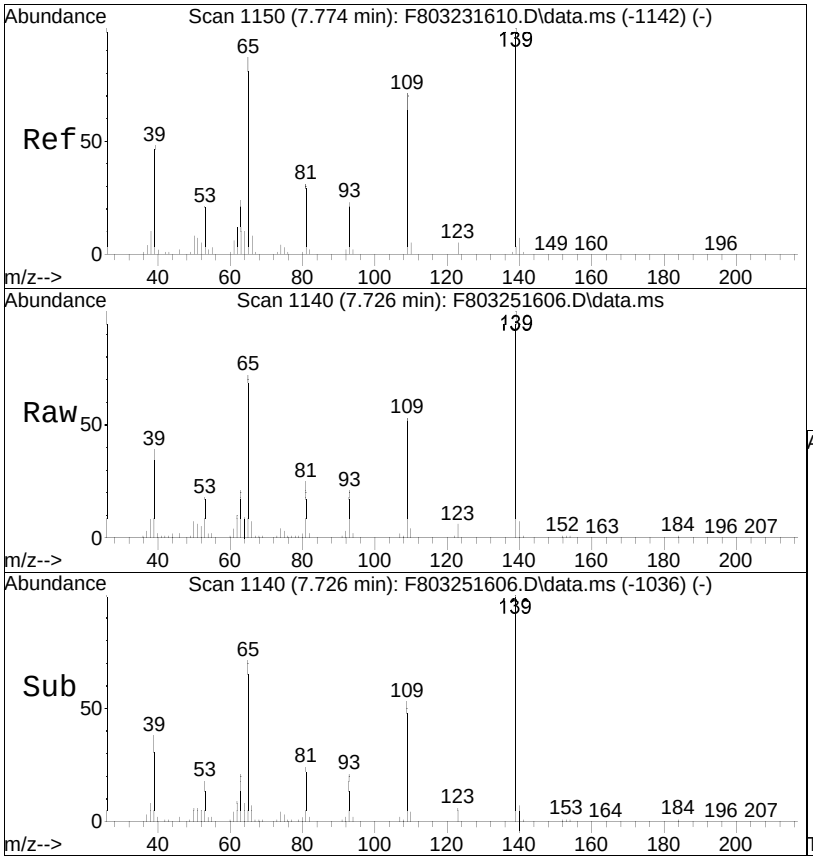


#55
2,4-Dinitrotoluene
Concen: 10.02 ug/mL
RT: 7.803 min Scan# 1156
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:165 Resp: 666418

Ion	Ratio	Lower	Upper
165	100		
63	51.8	30.9	46.3#
182	4.4	3.5	5.3

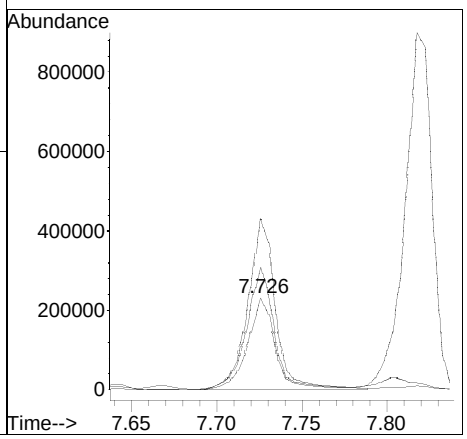


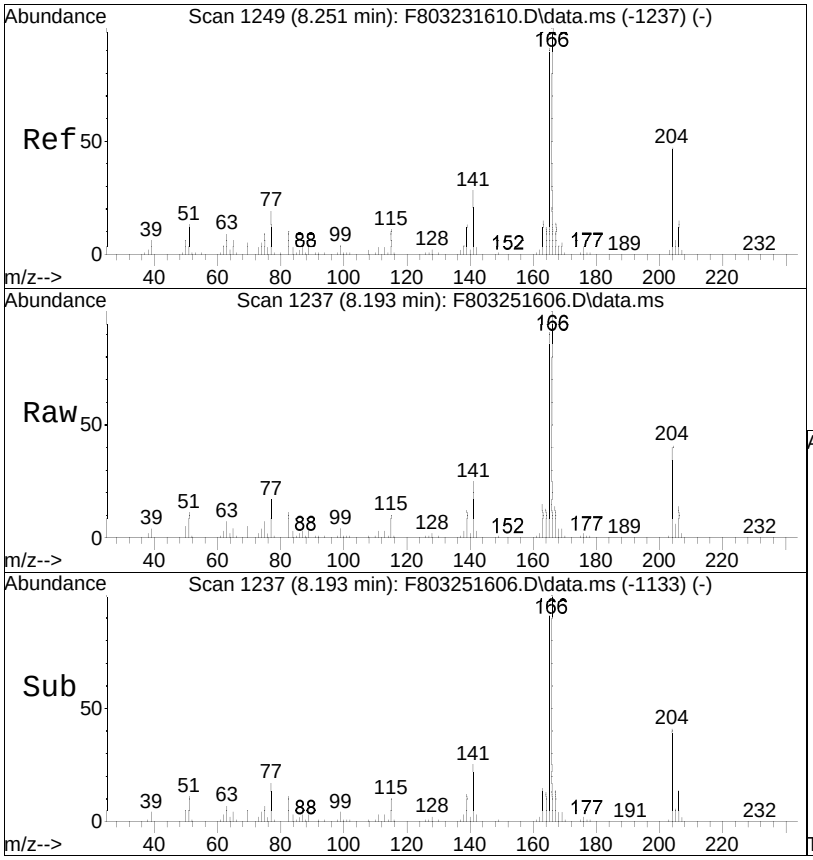


#56
4-Nitrophenol
Concen: 9.54 ug/mL
RT: 7.726 min Scan# 1140
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:109 Resp: 264318

Ion	Ratio	Lower	Upper
109	100		
139	185.7	149.7	224.5
65	131.6	107.3	160.9

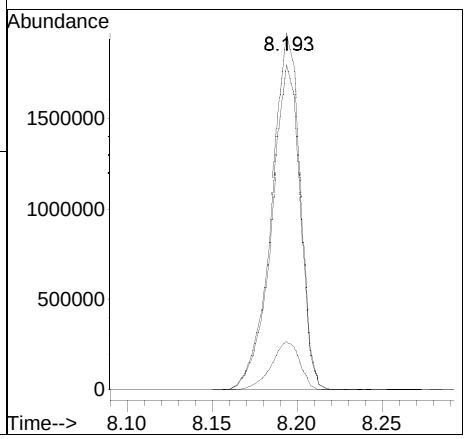


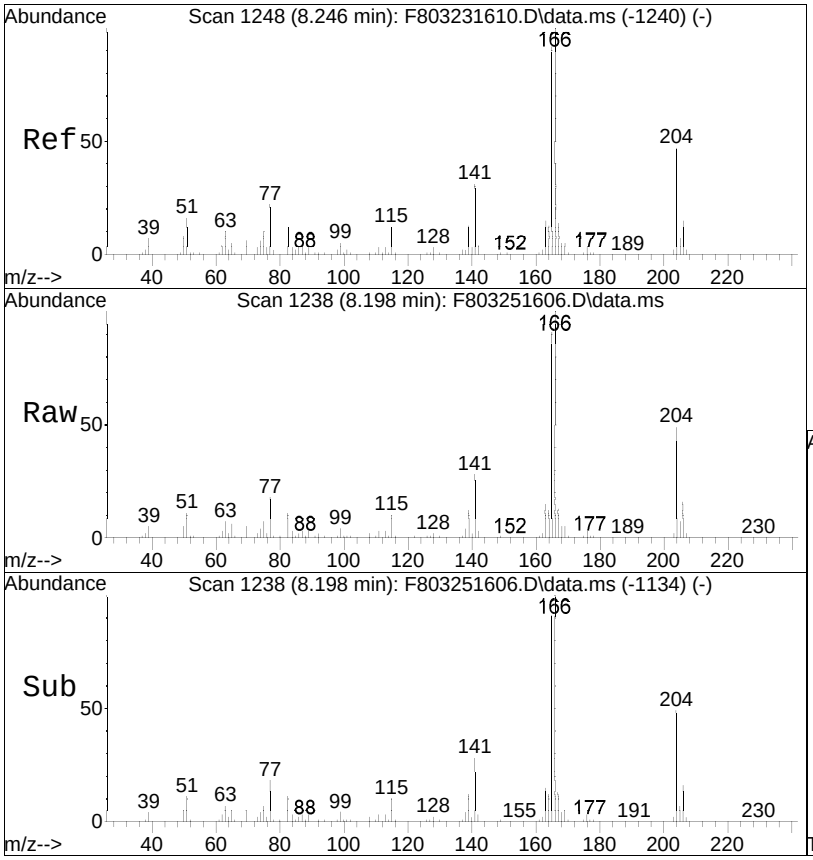


#57
Fluorene
Concen: 10.63 ug/mL
RT: 8.193 min Scan# 1237
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:166 Resp: 2326262

Ion	Ratio	Lower	Upper
166	100		
165	90.8	72.9	109.3
167	13.6	10.9	16.3

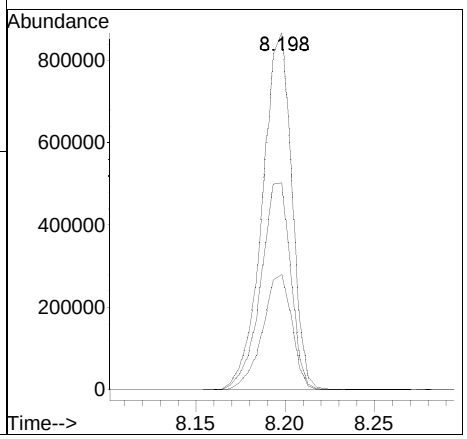


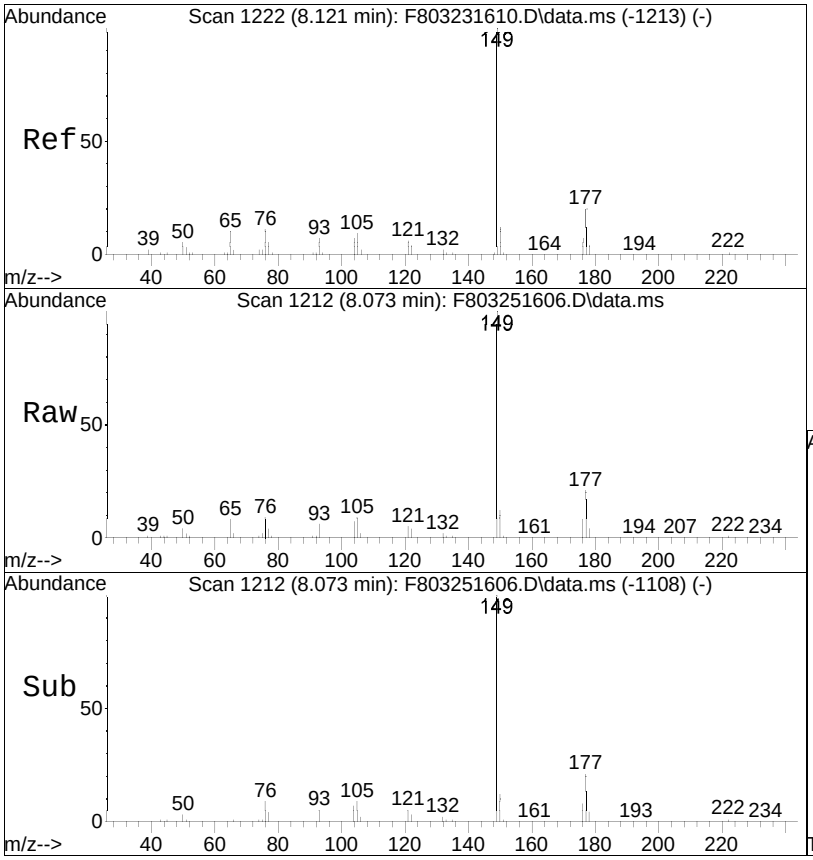


#58
4-Chlorophenyl-phenylether
Concen: 10.61 ug/mL
RT: 8.198 min Scan# 1238
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:204 Resp: 1000728

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.9	38.9
141	59.3	46.2	69.4

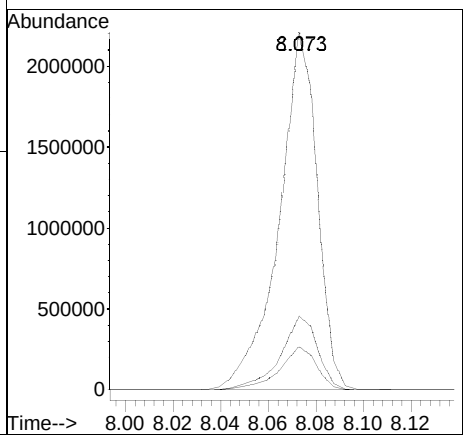


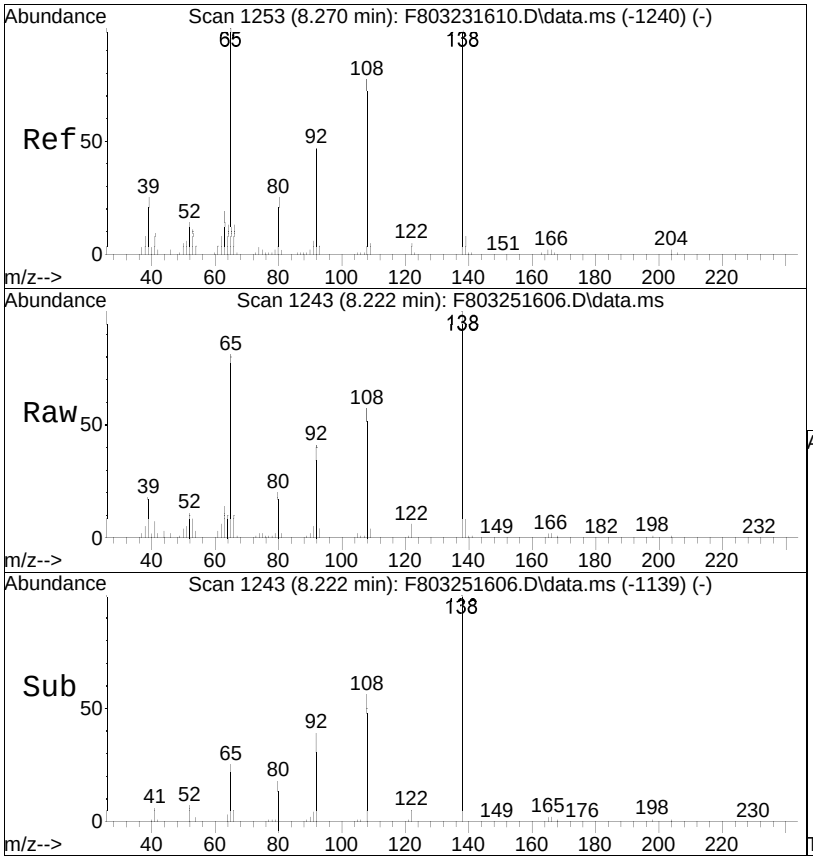


#59
Diethylphthalate
Concen: 10.32 ug/mL
RT: 8.073 min Scan# 1212
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:149 Resp: 2441525

Ion	Ratio	Lower	Upper
149	100		
177	20.4	16.6	24.8
150	11.9	9.8	14.6

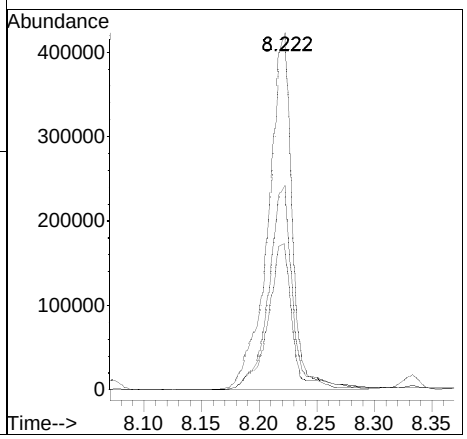


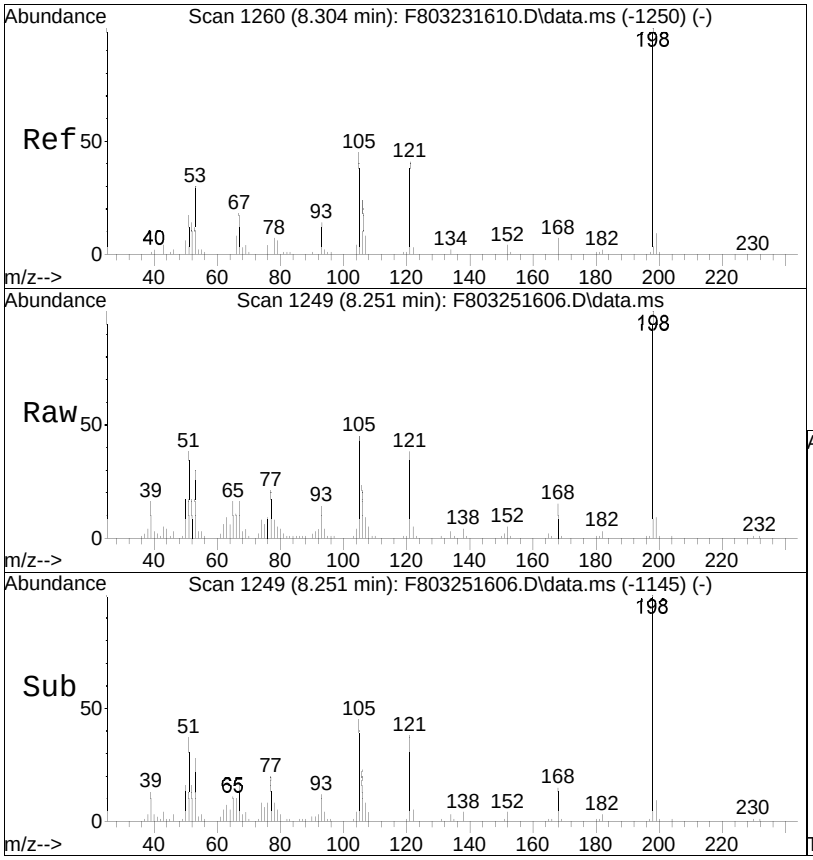


#60
4-Nitroaniline
Concen: 10.07 ug/mL
RT: 8.222 min Scan# 1243
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:138 Resp: 608567

Ion	Ratio	Lower	Upper
138	100		
92	39.5	32.7	49.1
108	58.0	45.8	68.6

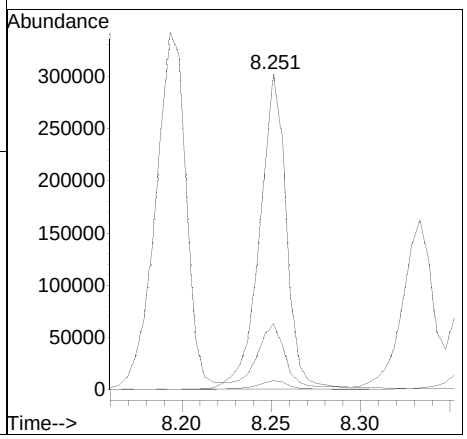


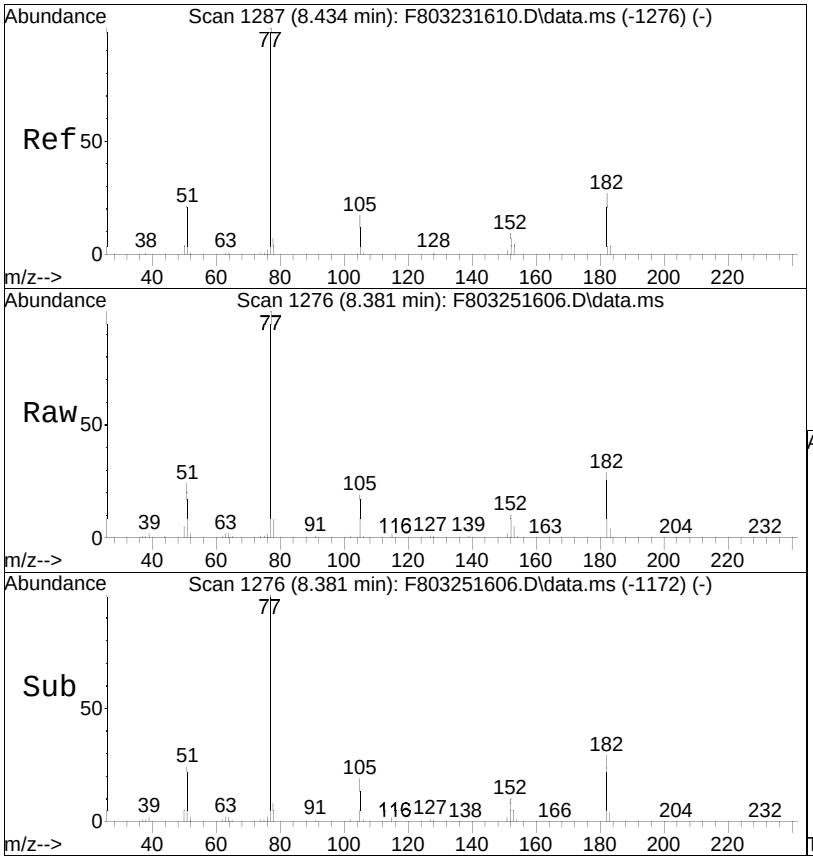


#62
4,6-Dinitro-2-methylphenol
Concen: 9.47 ug/mL
RT: 8.251 min Scan# 1249
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:198 Resp: 316102

Ion	Ratio	Lower	Upper
198	100		
182	3.0	2.2	3.2
77	20.8	16.8	25.2

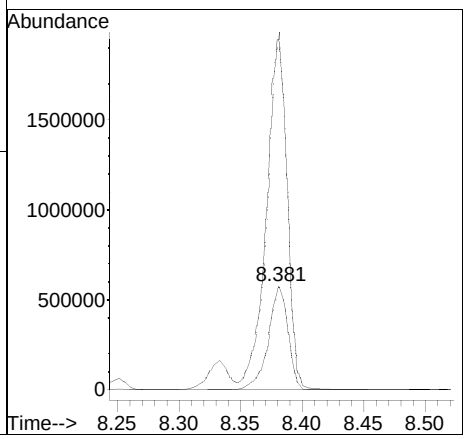


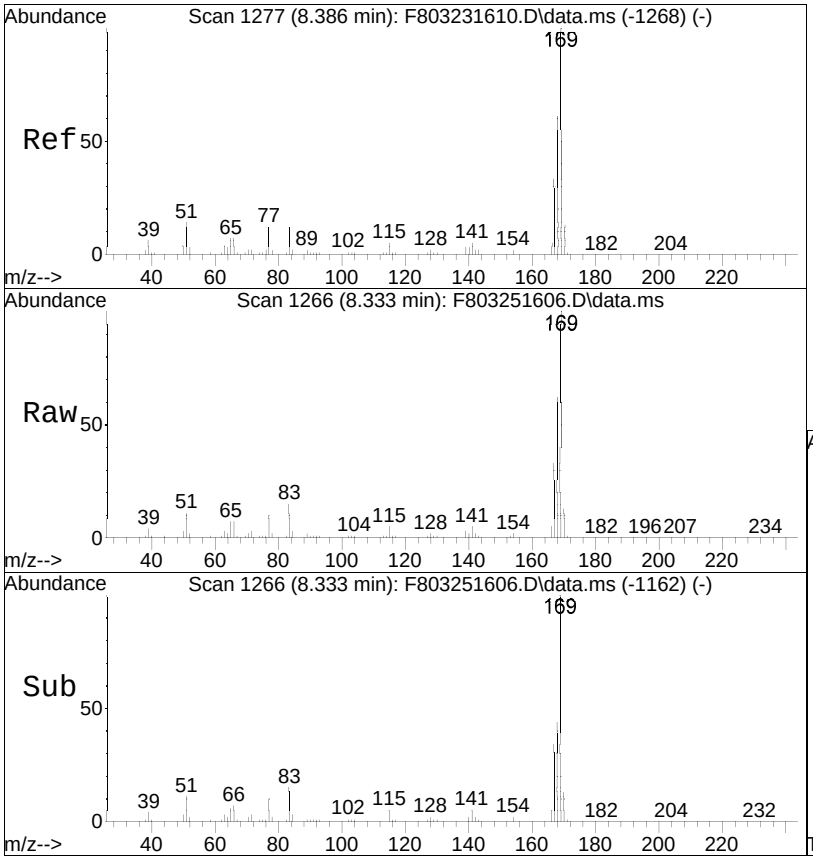


#63
Azobenzene
Concen: 10.39 ug/mL
RT: 8.381 min Scan# 1276
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:182 Resp: 645557

Ion	Ratio	Lower	Upper
182	100		
77	347.6	54.9	631.7

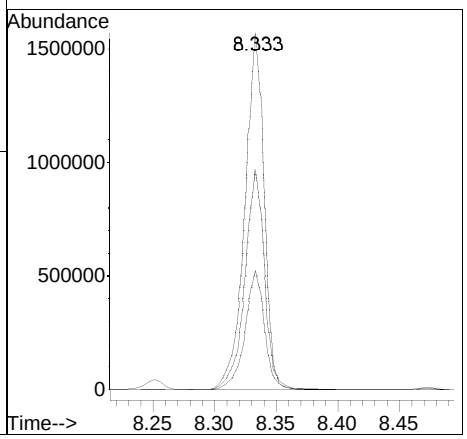


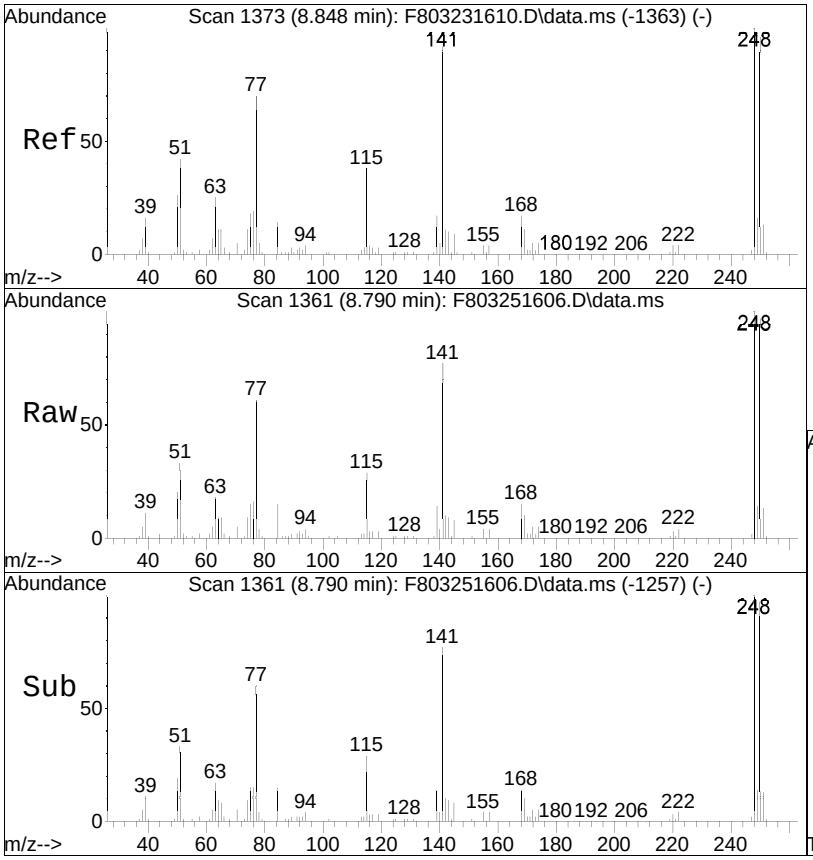


#64
n-Nitrosodiphenylamine
Concen: 10.41 ug/mL
RT: 8.333 min Scan# 1266
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:169 Resp: 1685604

Ion	Ratio	Lower	Upper
169	100		
168	62.4	49.4	74.2
167	34.3	26.7	40.1

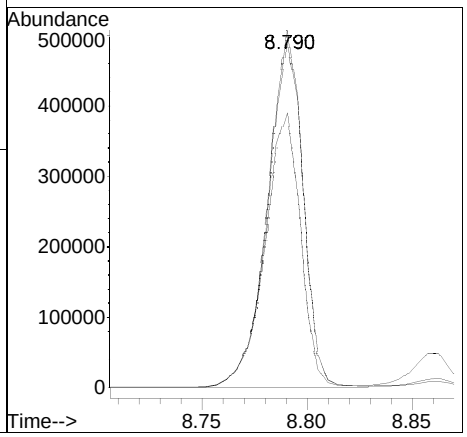


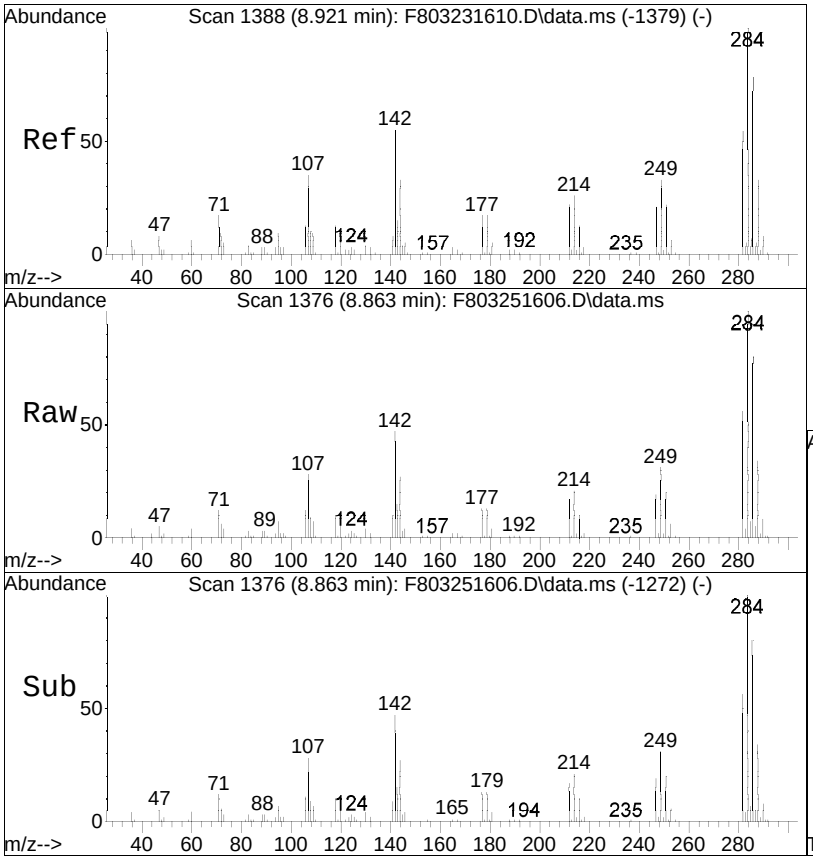


#66
4-Bromophenyl-phenylether
Concen: 10.40 ug/mL
RT: 8.790 min Scan# 1361
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:248 Resp: 588307

Ion	Ratio	Lower	Upper
248	100		
250	97.4	77.3	115.9
141	77.5	61.7	92.5

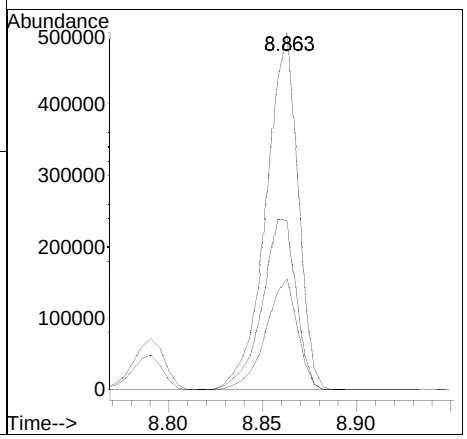


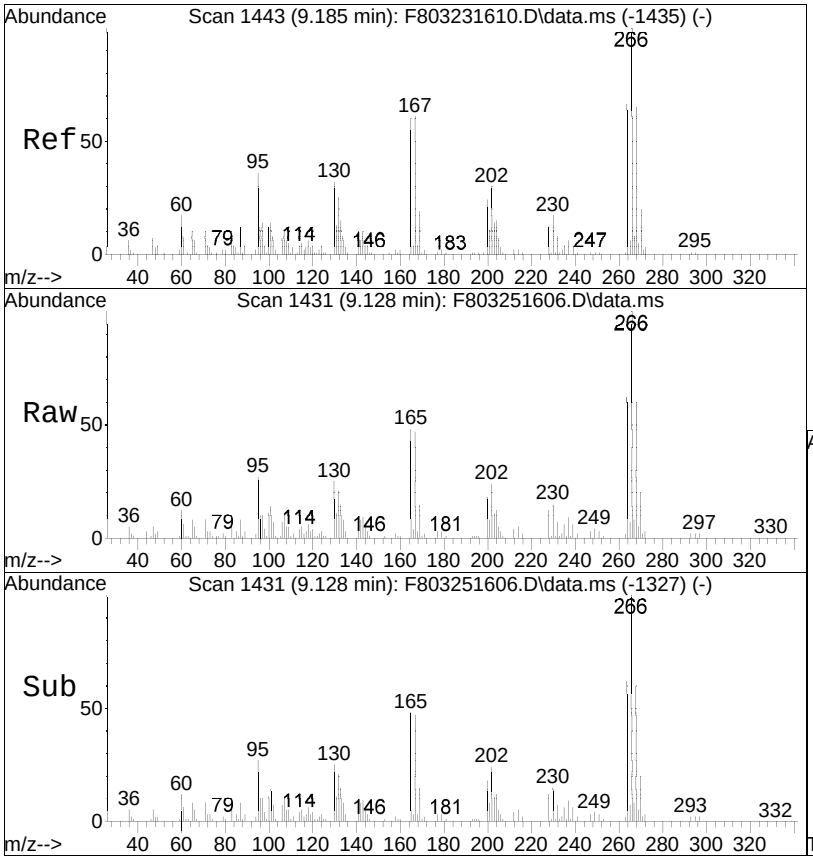


#67
Hexachlorobenzene
Concen: 10.31 ug/mL
RT: 8.863 min Scan# 1376
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:284 Resp: 592315

Ion	Ratio	Lower	Upper
284	100		
142	50.7	37.8	56.6
249	31.1	24.8	37.2

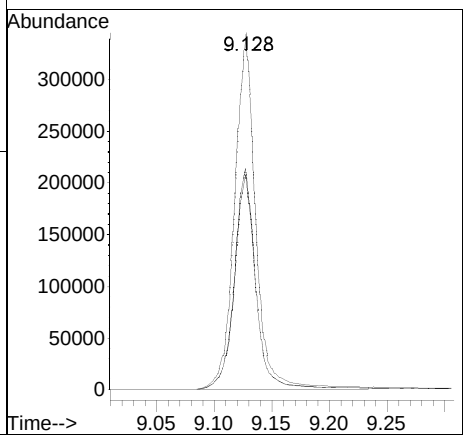


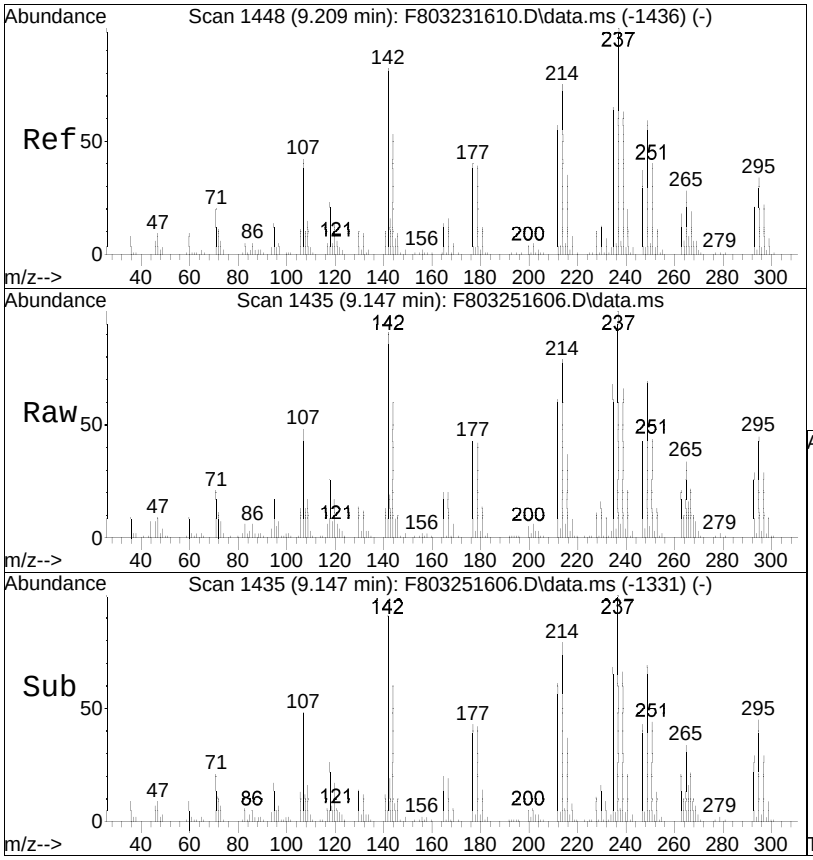


#69
Pentachlorophenol
Concen: 9.62 ug/mL
RT: 9.128 min Scan# 1431
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:266 Resp: 439268

Ion	Ratio	Lower	Upper
266	100		
264	62.2	49.7	74.5
268	60.5	48.1	72.1

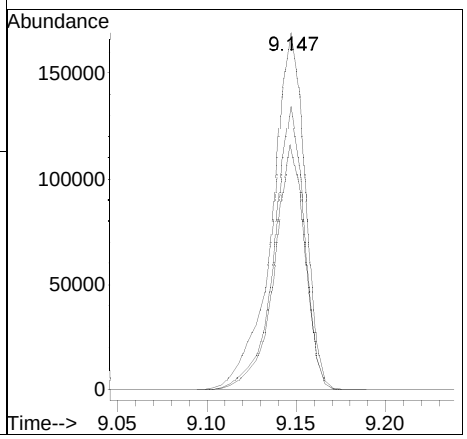


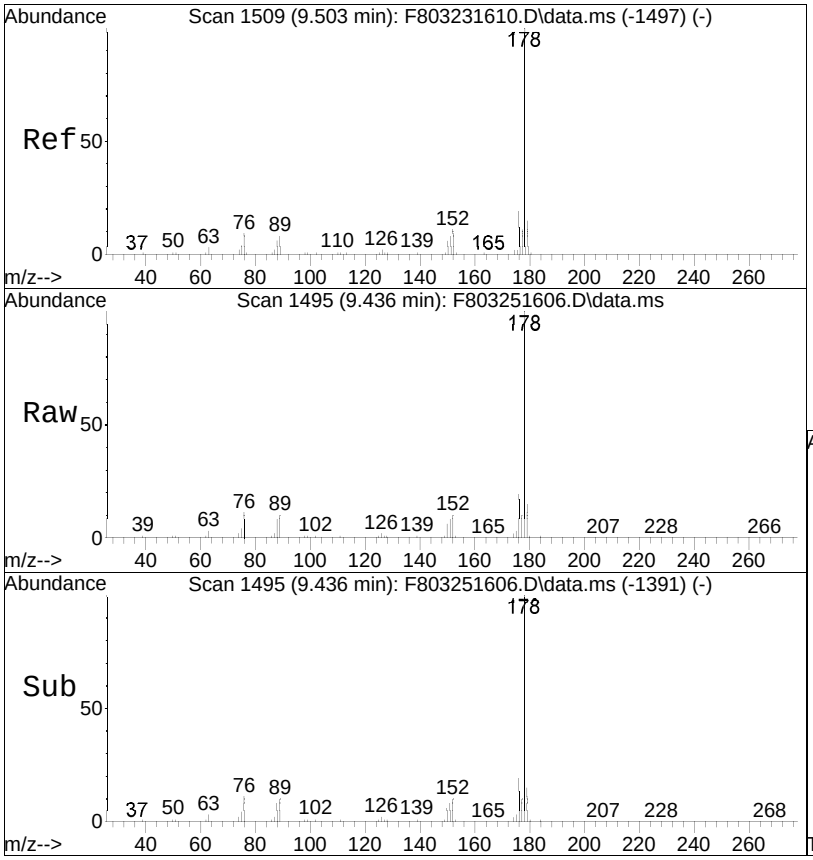


#70
Pentachloronitrobenzene
Concen: 10.13 ug/ml
RT: 9.147 min Scan# 1435
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:237 Resp: 218518

Ion	Ratio	Lower	Upper
237	100		
214	72.3	63.4	95.2
249	63.6	54.9	82.3

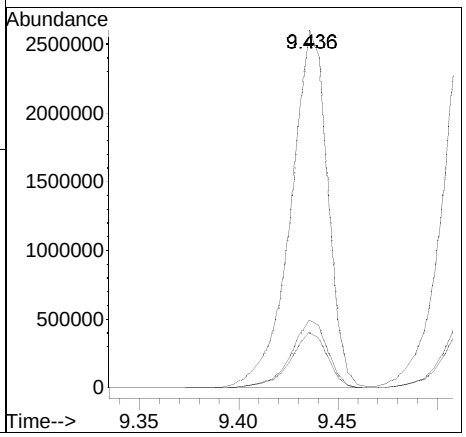


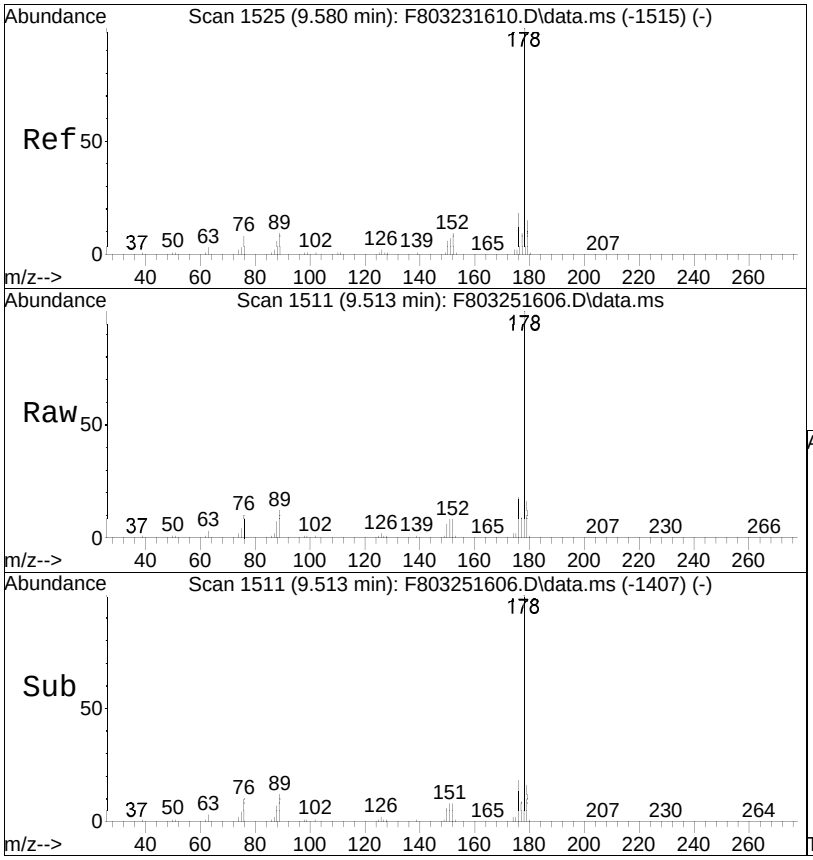


#71
Phenanthrene
Concen: 10.42 ug/mL
RT: 9.436 min Scan# 1495
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:178 Resp: 3386381

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6
176	18.8	15.0	22.6

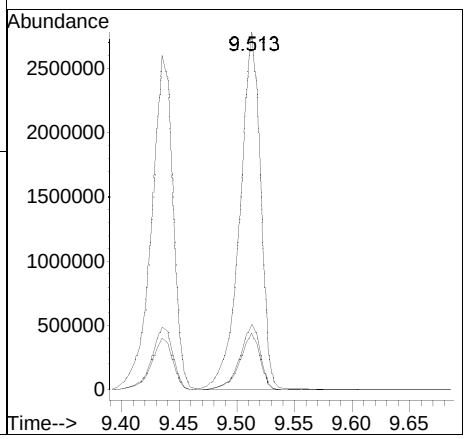


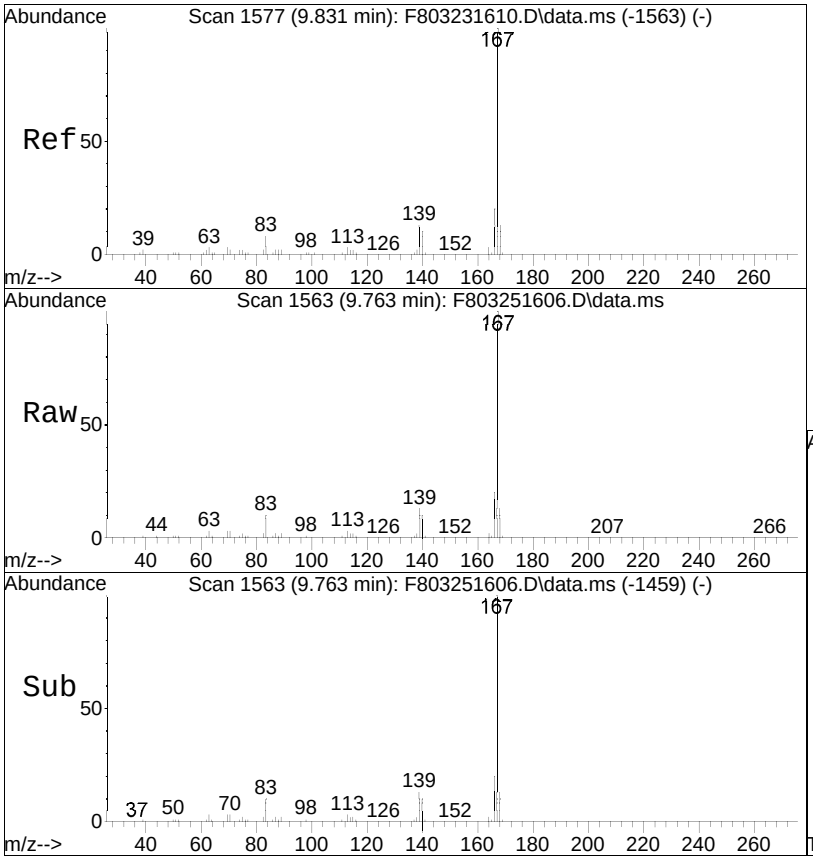


#72
Anthracene
Concen: 10.54 ug/mL
RT: 9.513 min Scan# 1511
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:178 Resp: 3484387

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.6	18.8
176	18.1	14.6	22.0

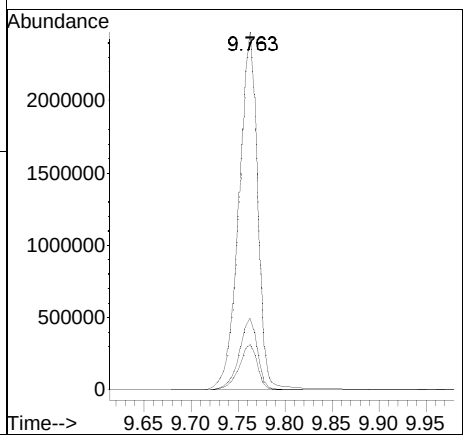


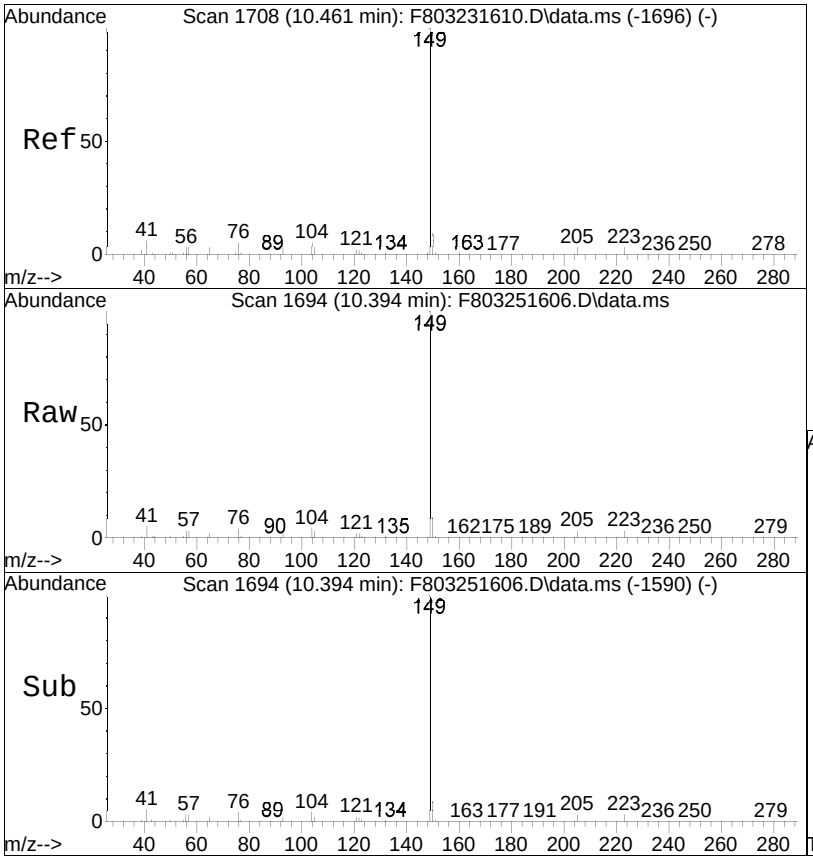


#73
Carbazole
Concen: 10.48 ug/mL
RT: 9.763 min Scan# 1563
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:167 Resp: 3390853

Ion	Ratio	Lower	Upper
167	100		
139	12.7	10.3	15.5
166	19.8	15.9	23.9

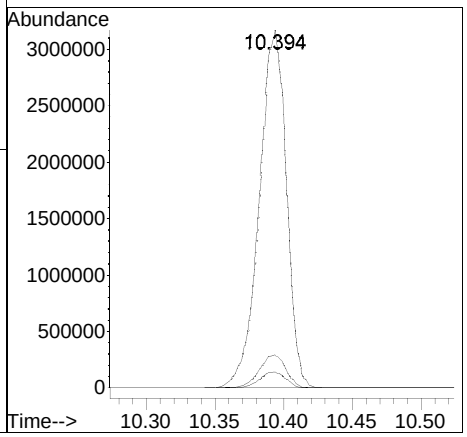


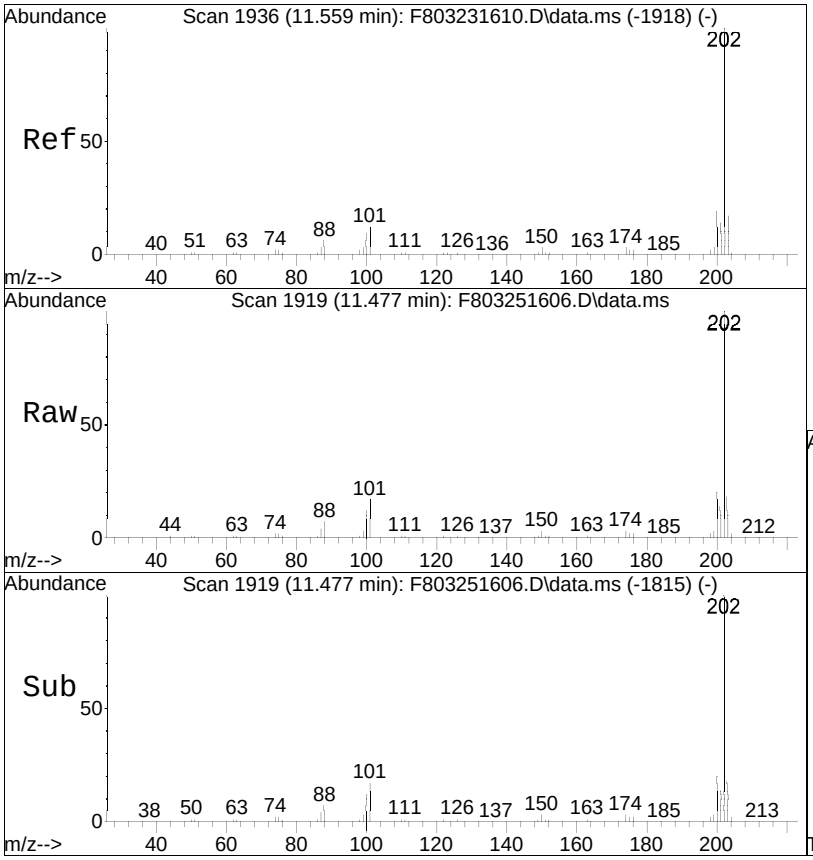


#74
Di-n-butylphthalate
Concen: 10.70 ug/mL
RT: 10.394 min Scan# 1694
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:149 Resp: 4279192

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.4	3.5	5.3

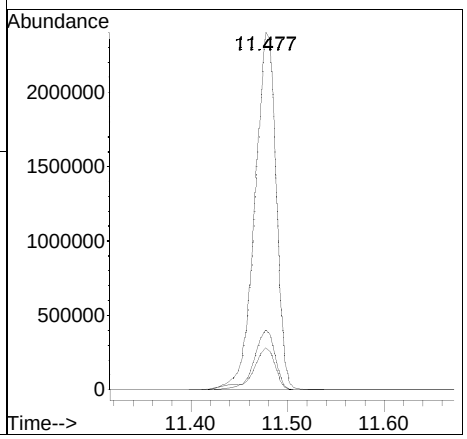


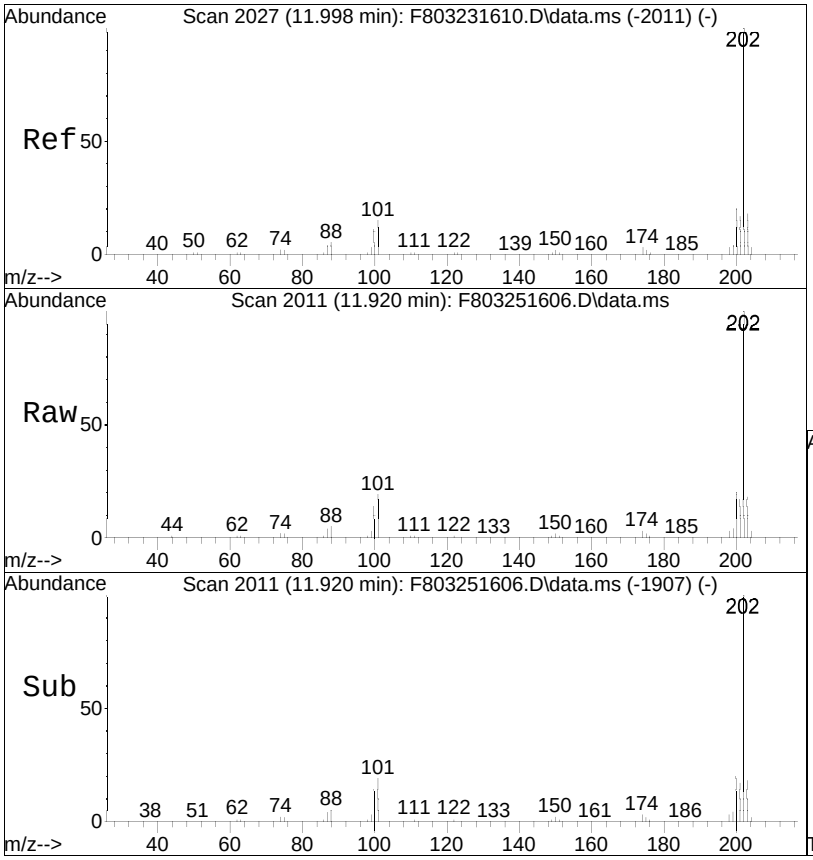


#75
Fluoranthene
Concen: 10.55 ug/mL
RT: 11.477 min Scan# 1919
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:202 Resp: 3622940

Ion	Ratio	Lower	Upper
202	100		
101	16.6	13.4	20.2
100	12.9	9.4	14.2

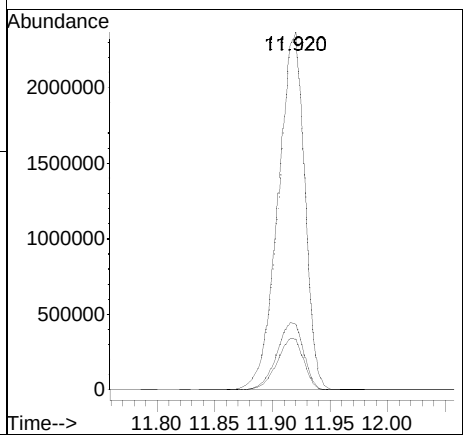


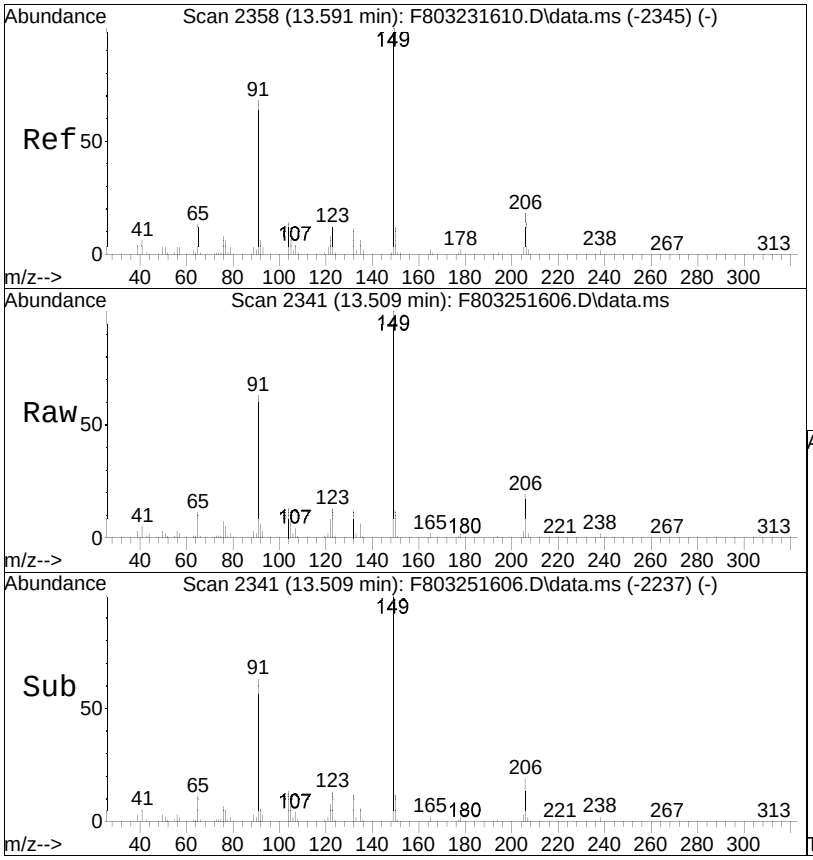


#78
Pyrene
Concen: 10.28 ug/mL
RT: 11.920 min Scan# 2011
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:202 Resp: 3754659

Ion	Ratio	Lower	Upper
202	100		
101	19.3	14.9	22.3
100	14.8	11.4	17.2

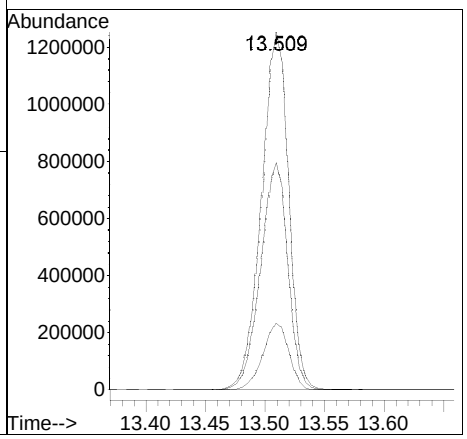


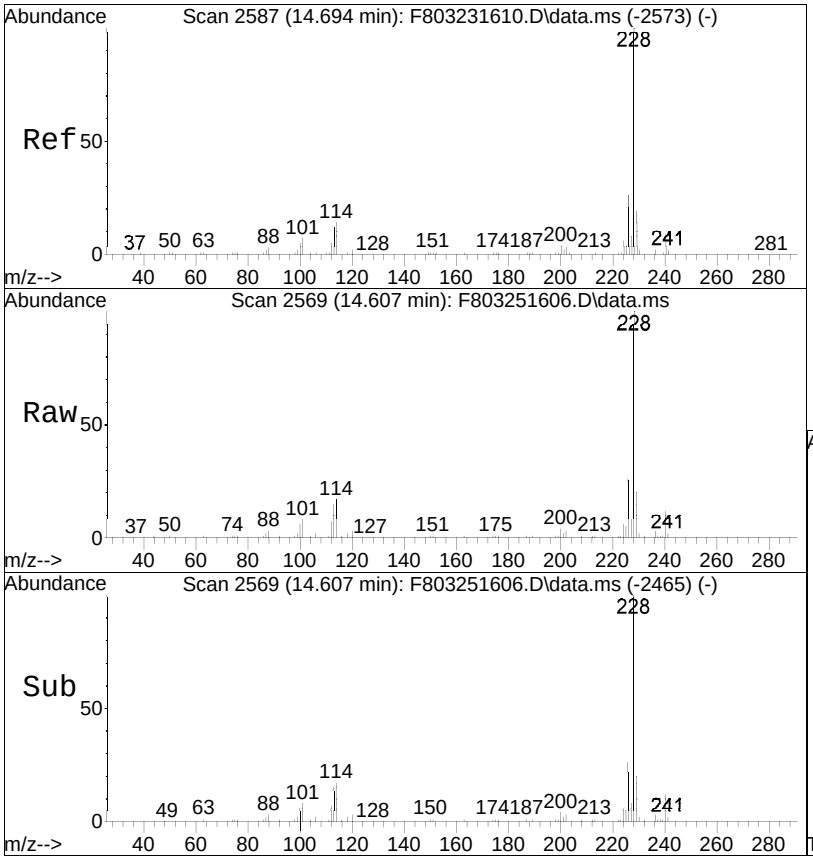


#80
Butylbenzylphthalate
Concen: 10.68 ug/mL
RT: 13.509 min Scan# 2341
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:149 Resp: 1970553

Ion	Ratio	Lower	Upper
149	100		
91	63.9	50.8	76.2
206	18.2	15.0	22.4

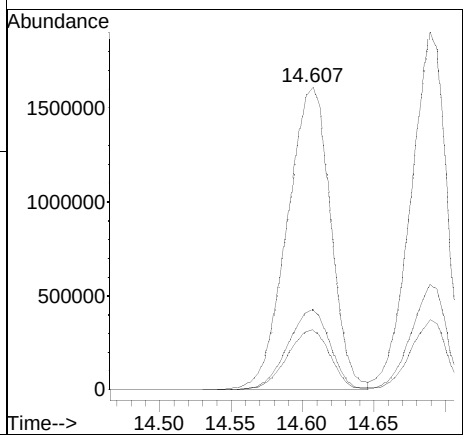


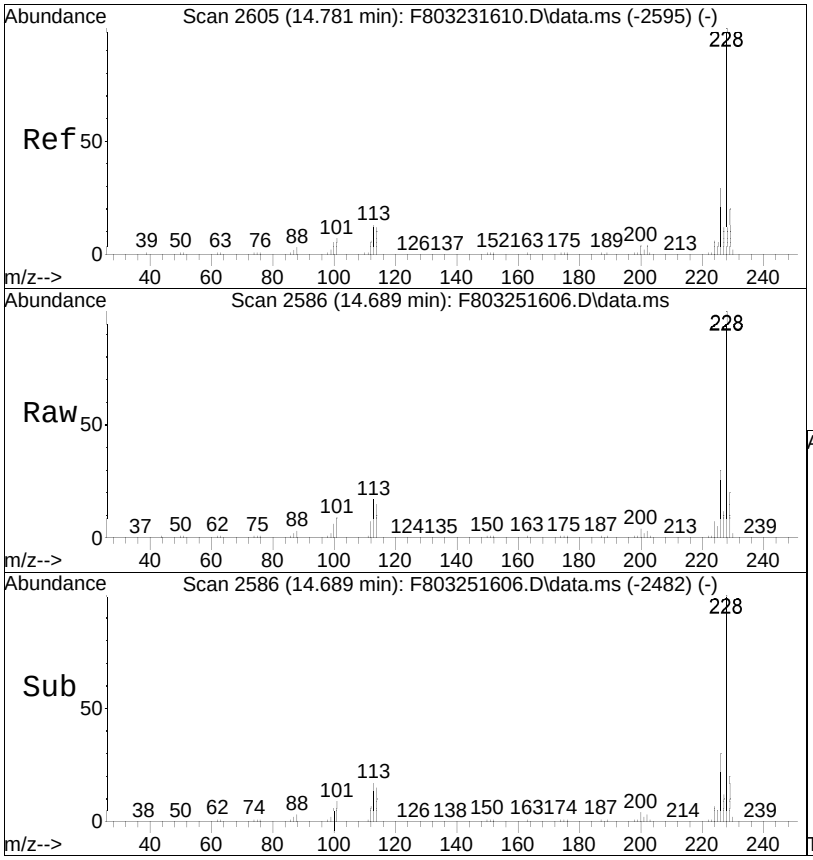


#82
Benz[a]anthracene
Concen: 10.21 ug/mL
RT: 14.607 min Scan# 2569
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:228 Resp: 3411098

Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.9	23.9
226	26.1	21.2	31.8

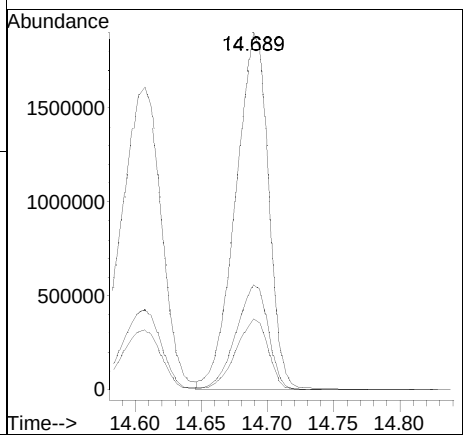


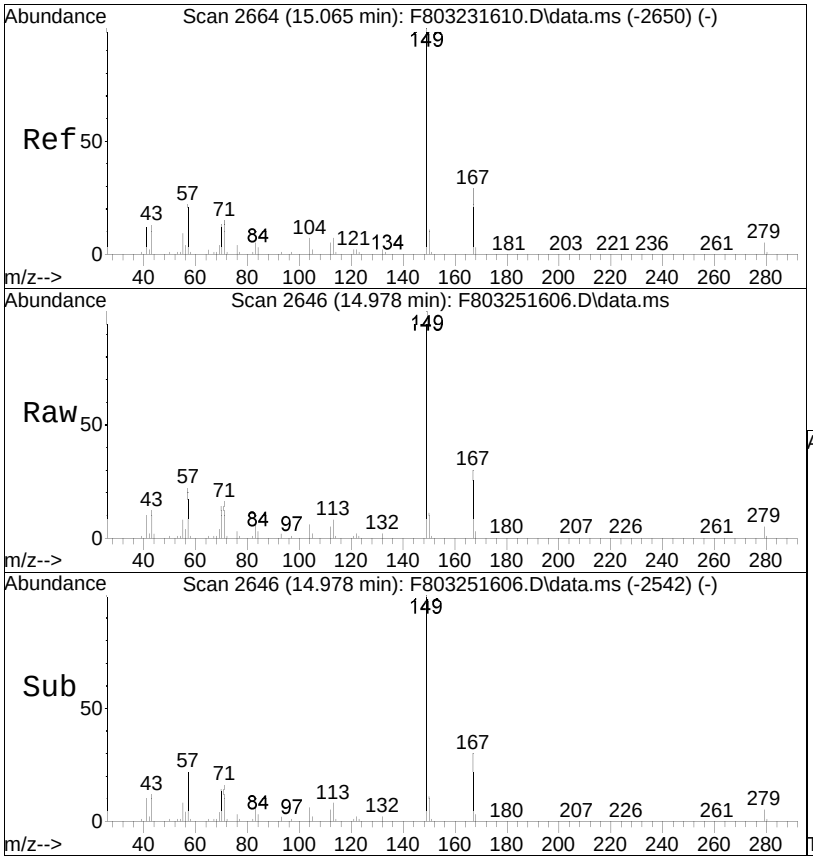


#83
Chrysene
Concen: 10.26 ug/mL M4
RT: 14.689 min Scan# 2586
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:228 Resp: 3302605

Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.7	35.5
229	19.6	15.8	23.8

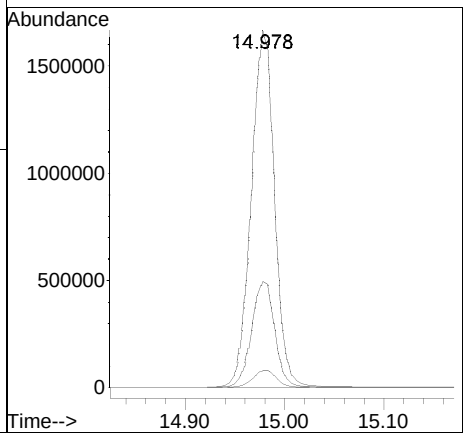


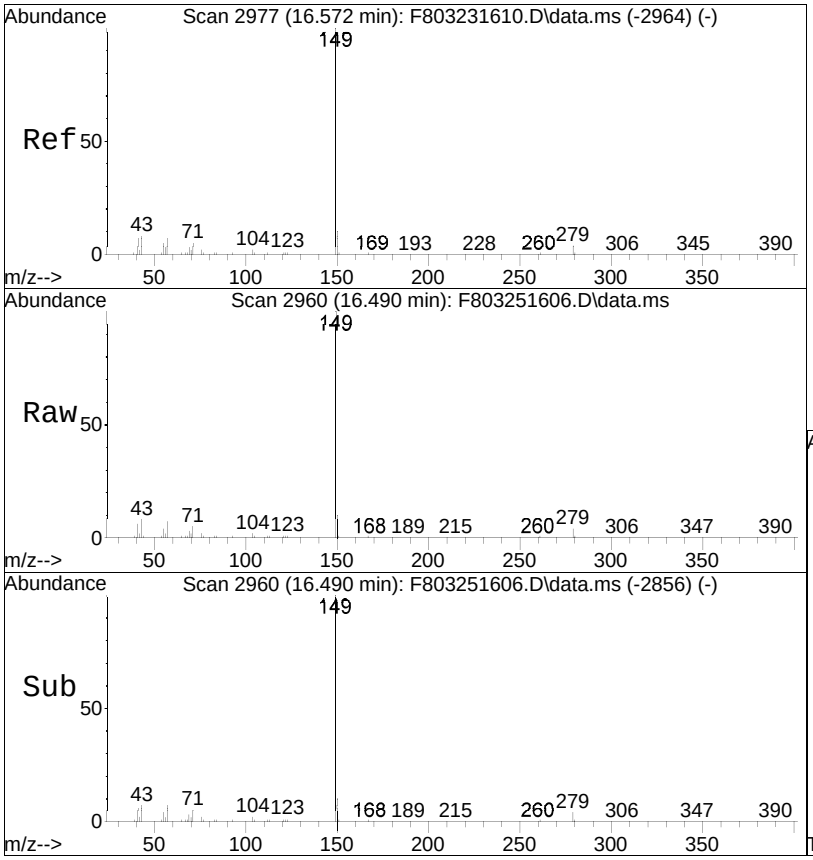


#84
bis(2-Ethylhexyl)phthalate
Concen: 10.83 ug/mL
RT: 14.978 min Scan# 2646
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:149 Resp: 2683663

Ion	Ratio	Lower	Upper
149	100		
167	29.8	23.8	35.6
279	4.9	4.0	6.0

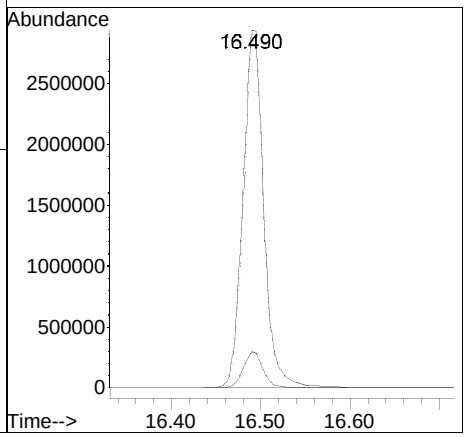


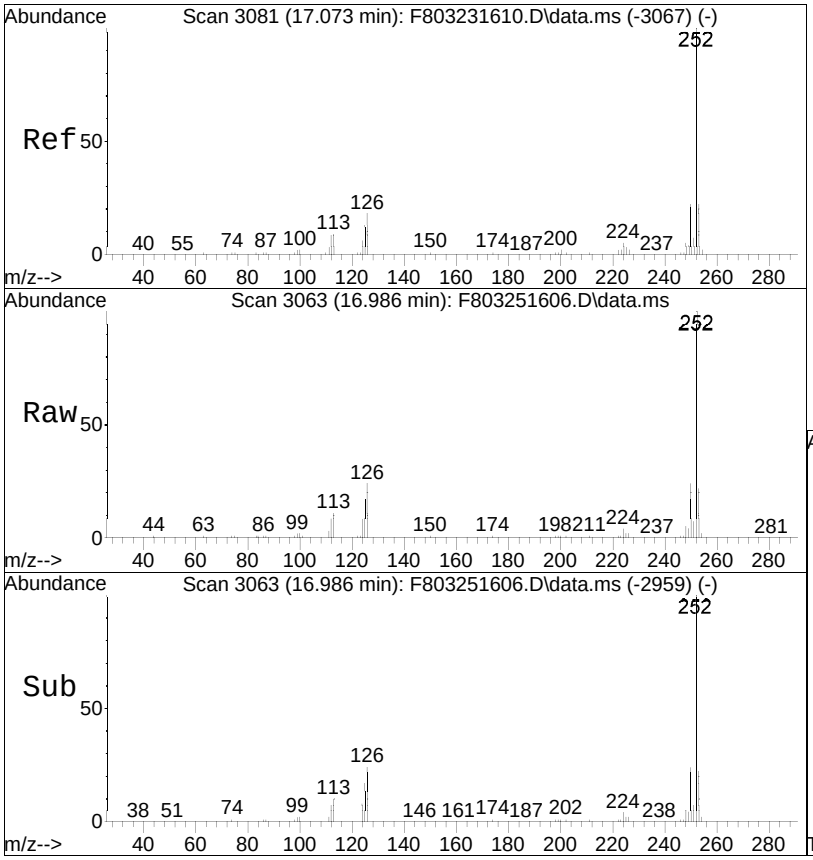


#86
Di-n-octylphthalate
Concen: 11.49 ug/mL
RT: 16.490 min Scan# 2960
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:149 Resp: 4658341

Ion	Ratio	Lower	Upper
149	100		
150	9.9	8.1	12.1

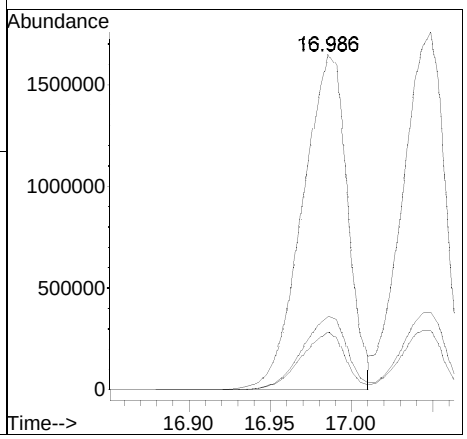


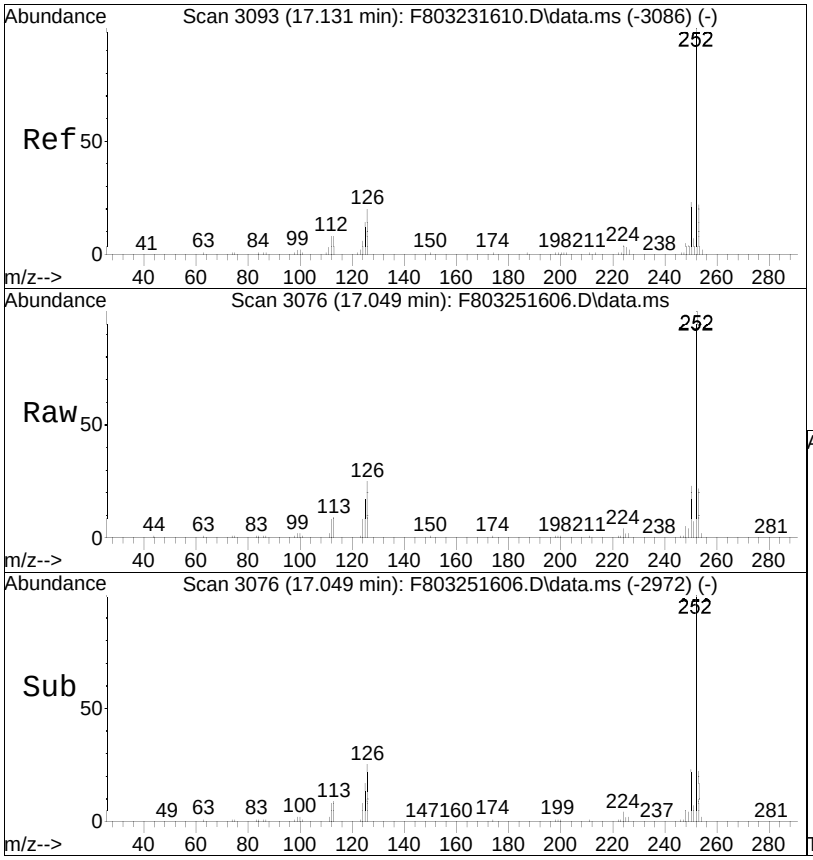


#87
Benzo[b]fluoranthene
Concen: 10.51 ug/mL
RT: 16.986 min Scan# 3063
Delta R.T. 0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:252 Resp: 3178615

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	16.9	13.7	20.5

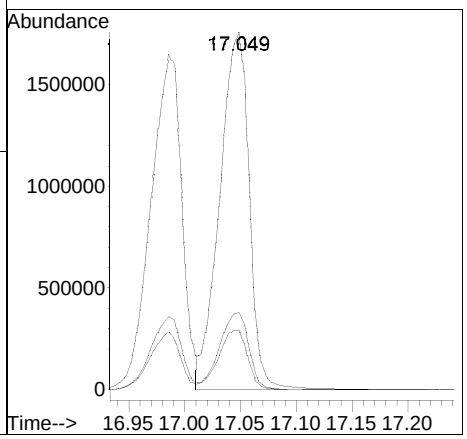


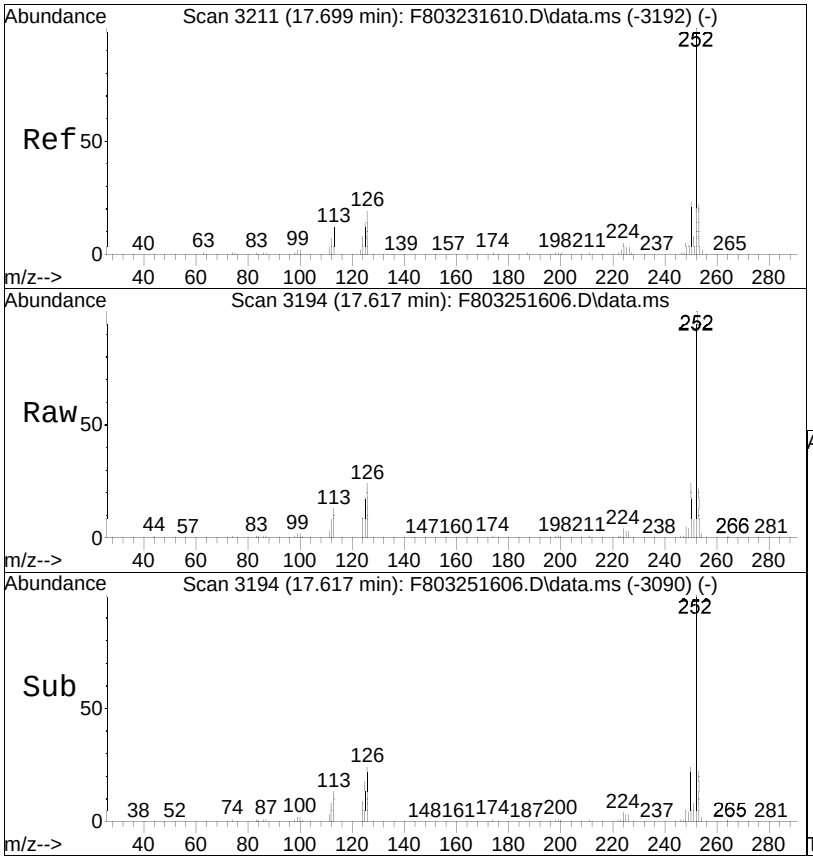


#88
Benzo[k]fluoranthene
Concen: 10.89 ug/mL
RT: 17.049 min Scan# 3076
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:252 Resp: 3199828

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	16.6	13.3	19.9

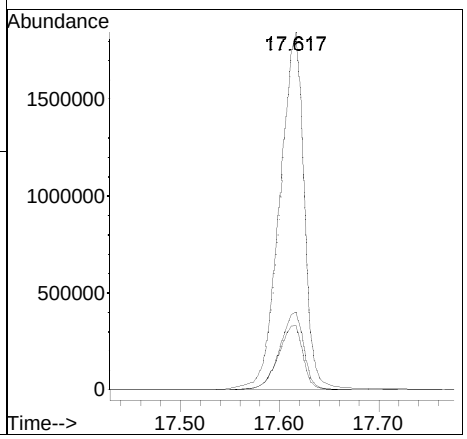


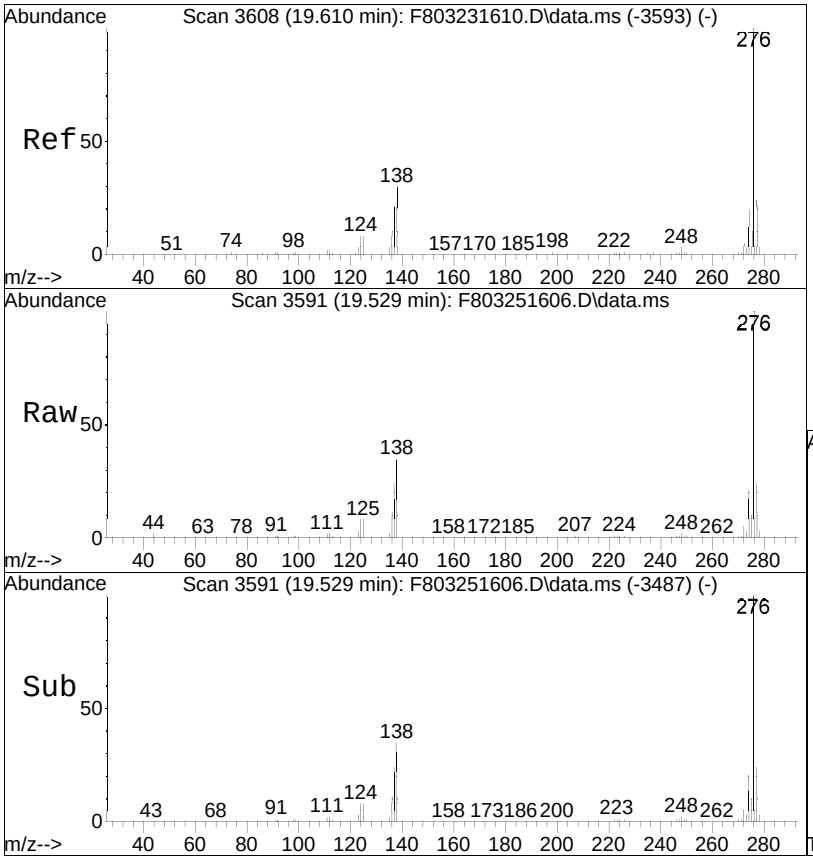


#89
Benzo[a]pyrene
Concen: 10.72 ug/mL
RT: 17.617 min Scan# 3194
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:252 Resp: 3116170

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	18.6	14.3	21.5

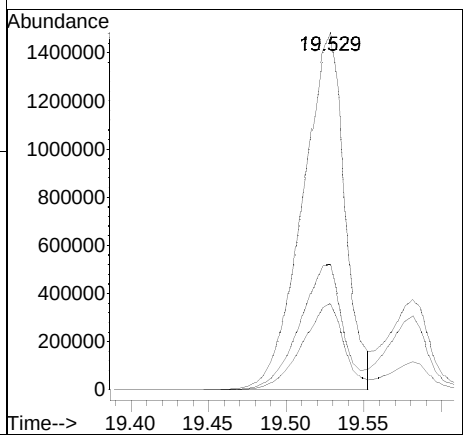


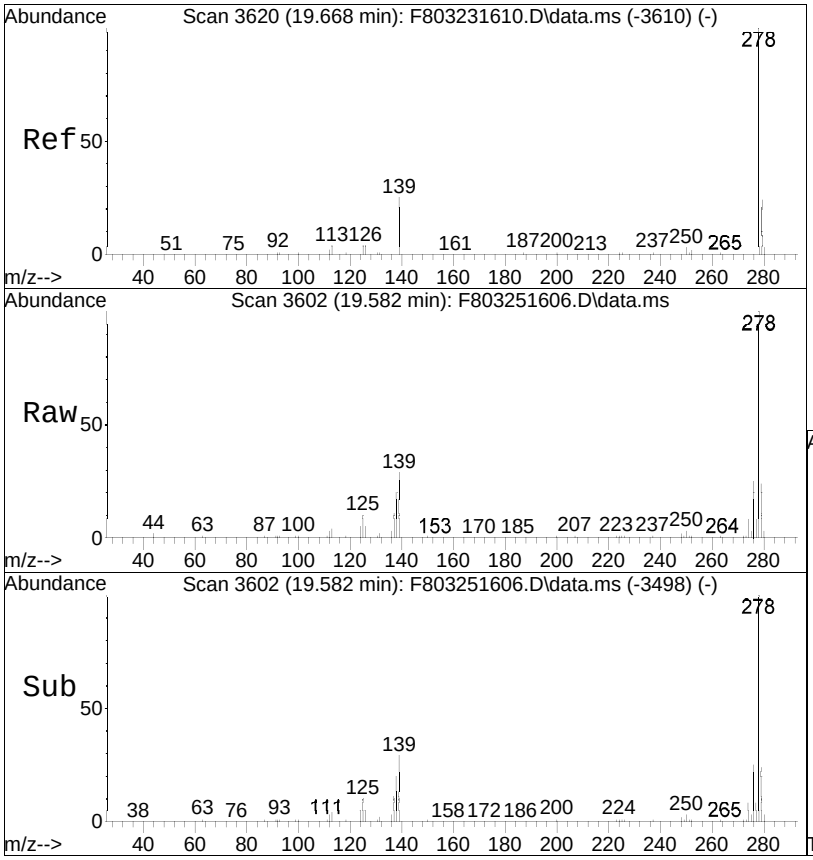


#90
Indeno[1,2,3-cd]pyrene
Concen: 10.87 ug/mL
RT: 19.529 min Scan# 3591
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:276 Resp: 2792985

Ion	Ratio	Lower	Upper
276	100		
138	35.5	28.2	42.2
277	24.1	19.4	29.0

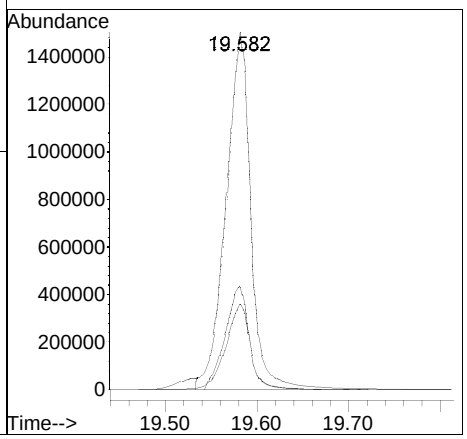


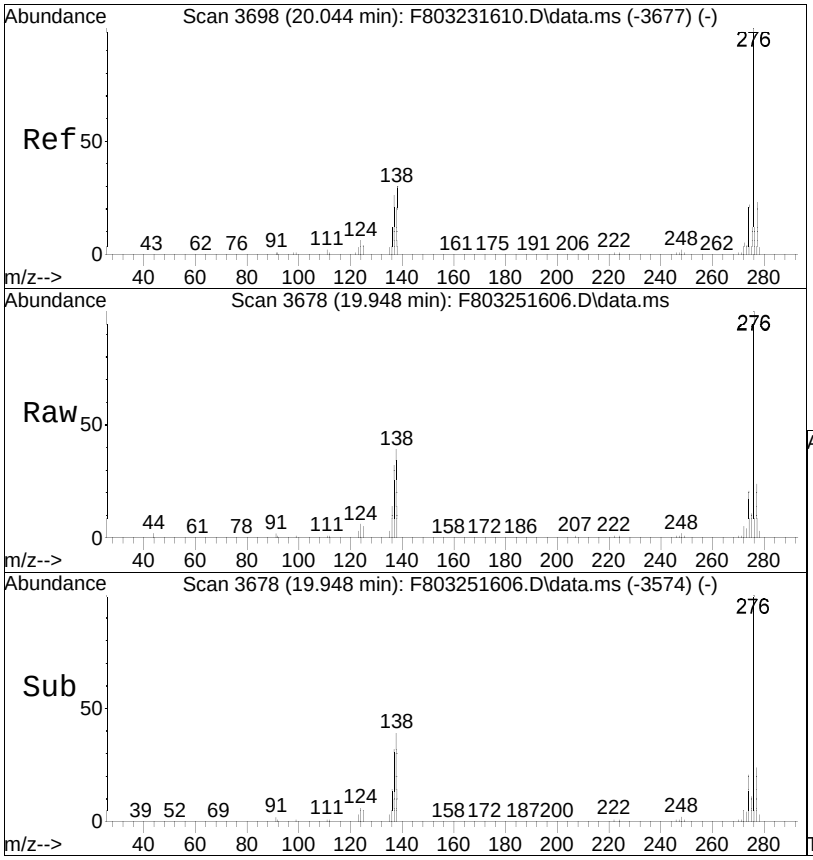


#91
Dibenz[a,h]anthracene
Concen: 10.98 ug/mL M4
RT: 19.582 min Scan# 3602
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:278 Resp: 2814851

Ion	Ratio	Lower	Upper
278	100		
139	28.3	23.4	35.0
279	24.2	19.4	29.0

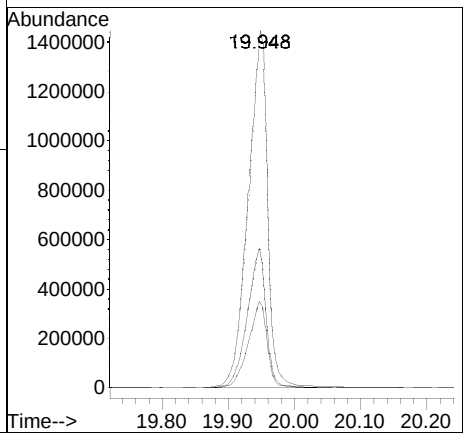




#92
Benzo[g,h,i]perylene
Concen: 10.81 ug/mL
RT: 19.948 min Scan# 3678
Delta R.T. -0.000 min
Lab File: F803251606.D
Acq: 25 Mar 2016 7:30 pm

Tgt Ion:276 Resp: 2923617

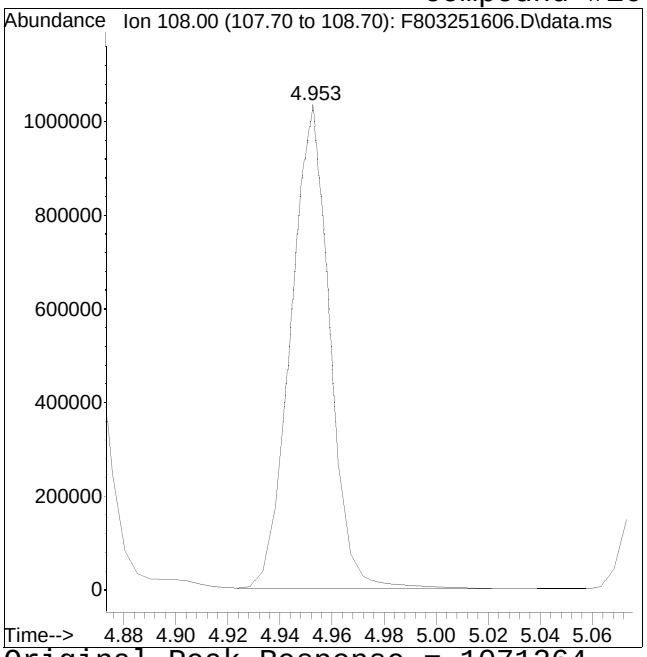
Ion	Ratio	Lower	Upper
276	100		
138	37.9	31.4	47.2
277	23.9	19.4	29.0



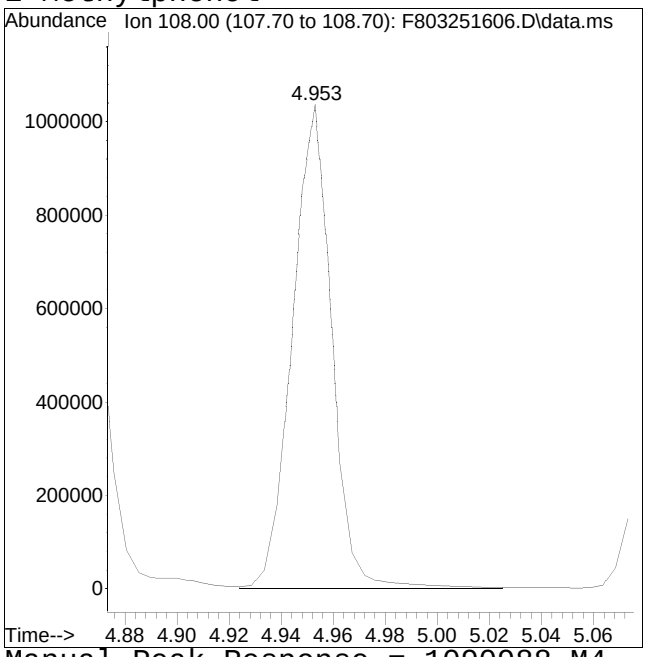
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251606.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 7:30 pm Instrument : BNA8
Sample : I803251605 Quant Date : 3/27/2016 4:05 pm

Compound #16: 2-Methylphenol



Original Peak Response = 1071264



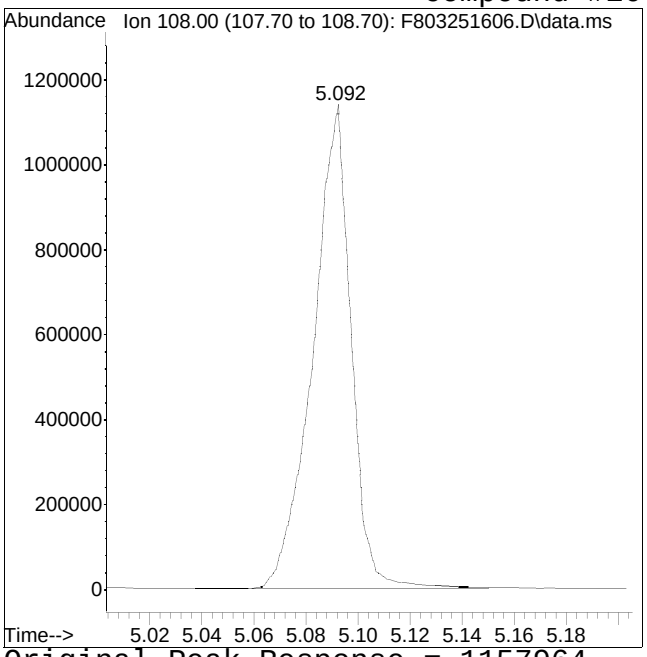
Manual Peak Response = 1090988 M4

M4 = Poor automated baseline construction.

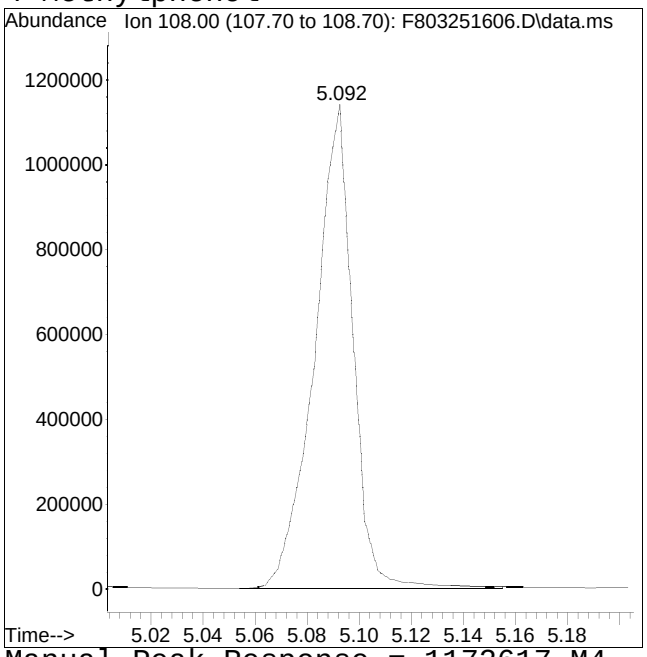
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251606.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 7:30 pm Instrument : BNA8
Sample : I803251605 Quant Date : 3/27/2016 4:05 pm

Compound #20: 4-Methylphenol



Original Peak Response = 1157964



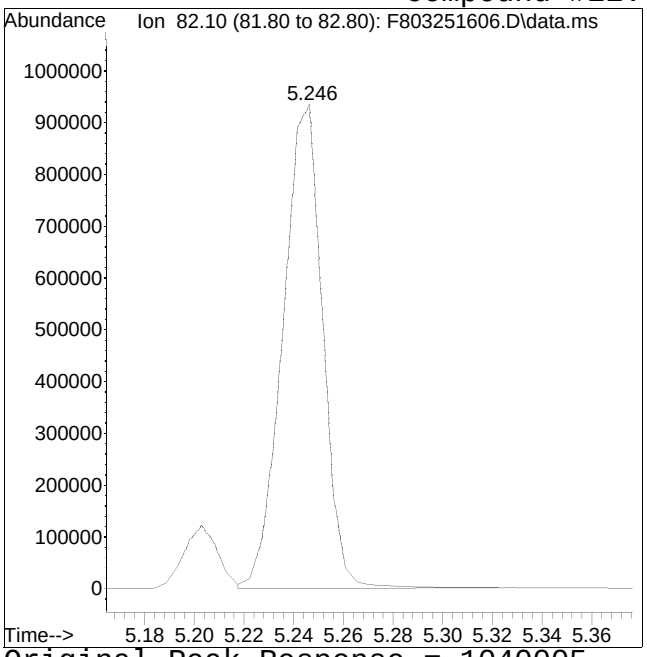
Manual Peak Response = 1172617 M4

M4 = Poor automated baseline construction.

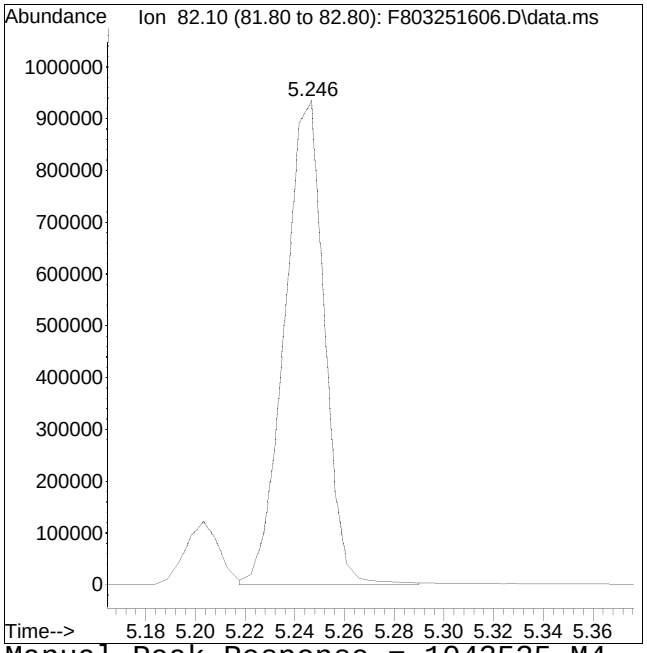
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251606.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 7:30 pm Instrument : BNA8
Sample : I803251605 Quant Date : 3/27/2016 4:05 pm

Compound #22: Nitrobenzene-d5



Original Peak Response = 1040005



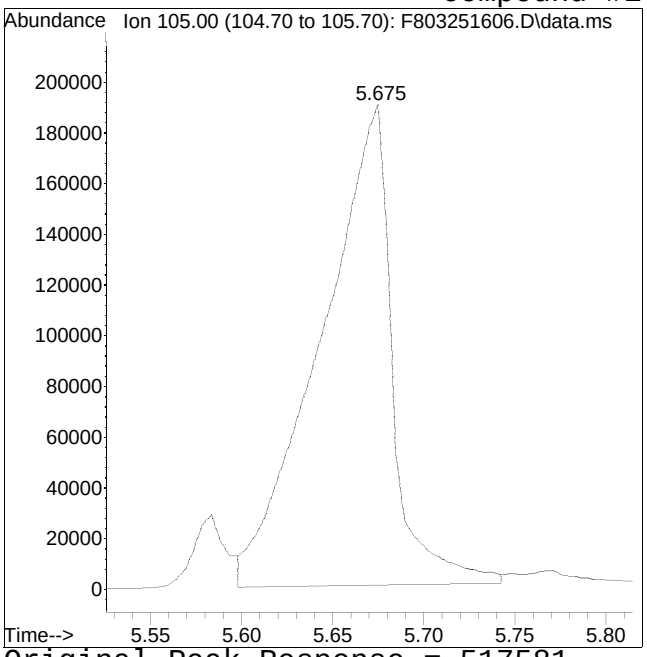
Manual Peak Response = 1043535 M4

M4 = Poor automated baseline construction.

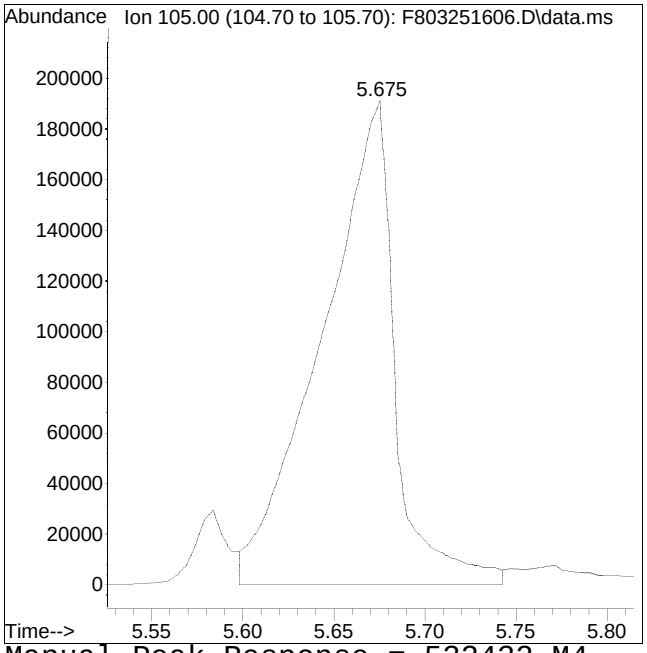
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251606.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 7:30 pm Instrument : BNA8
Sample : I803251605 Quant Date : 3/27/2016 4:05 pm

Compound #27: Benzoic acid



Original Peak Response = 517581



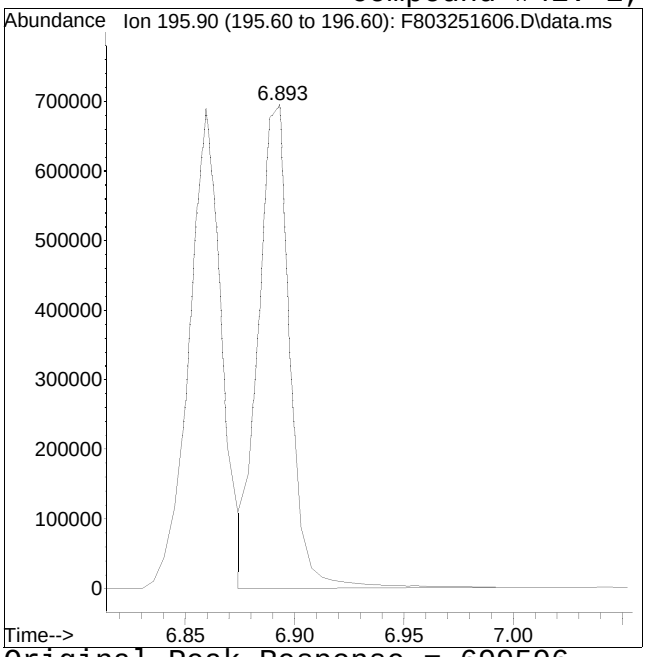
Manual Peak Response = 532432 M4

M4 = Poor automated baseline construction.

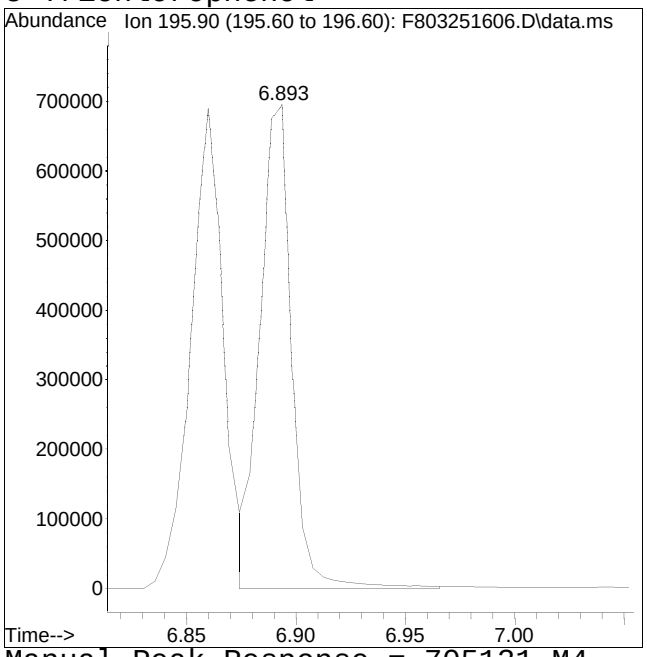
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251606.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 7:30 pm Instrument : BNA8
Sample : I803251605 Quant Date : 3/27/2016 4:05 pm

Compound #42: 2,4,5-Trichlorophenol



Original Peak Response = 699596



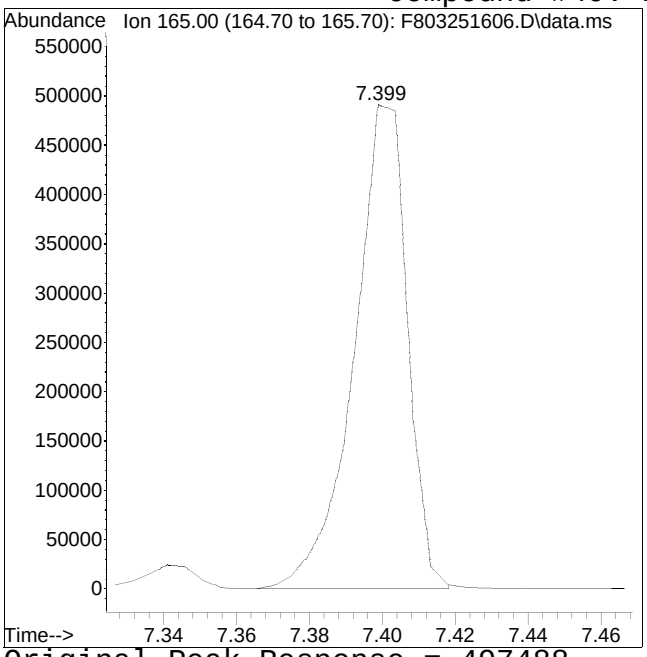
Manual Peak Response = 705131 M4

M4 = Poor automated baseline construction.

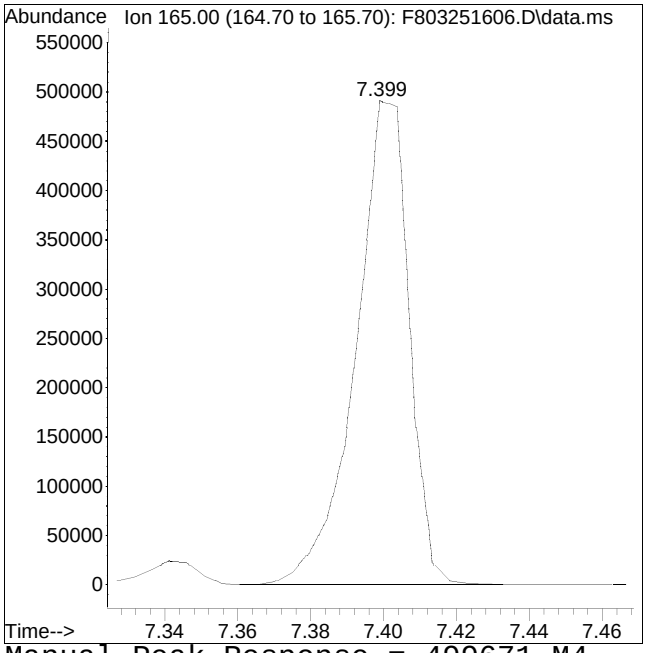
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251606.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 7:30 pm Instrument : BNA8
Sample : I803251605 Quant Date : 3/27/2016 4:05 pm

Compound #49: 2,6-Dinitrotoluene



Original Peak Response = 497488



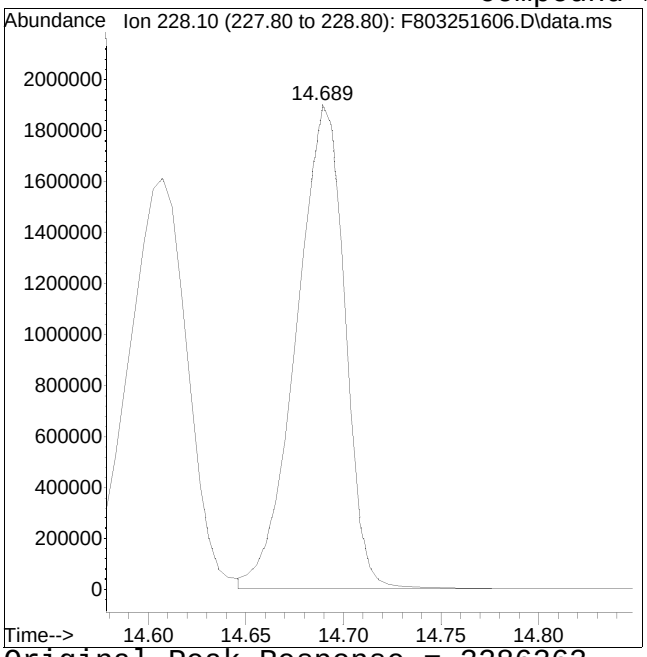
Manual Peak Response = 499671 M4

M4 = Poor automated baseline construction.

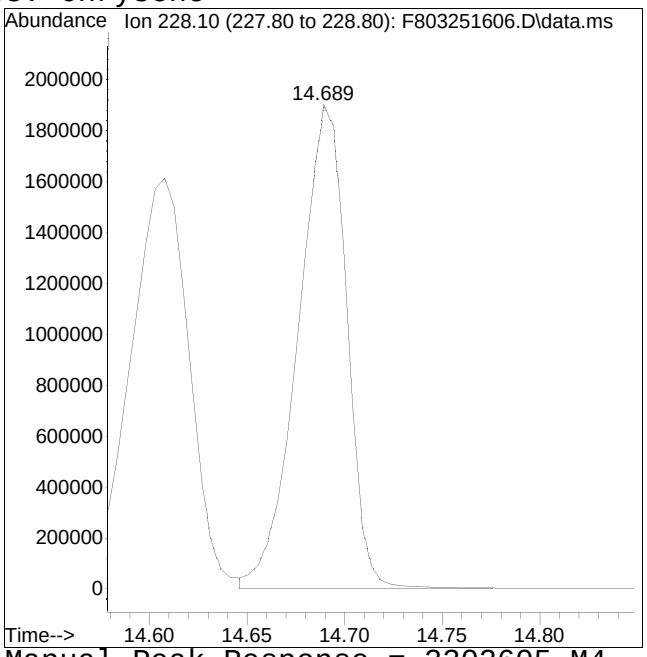
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251606.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 7:30 pm Instrument : BNA8
Sample : I803251605 Quant Date : 3/27/2016 4:05 pm

Compound #83: Chrysene



Original Peak Response = 3286363



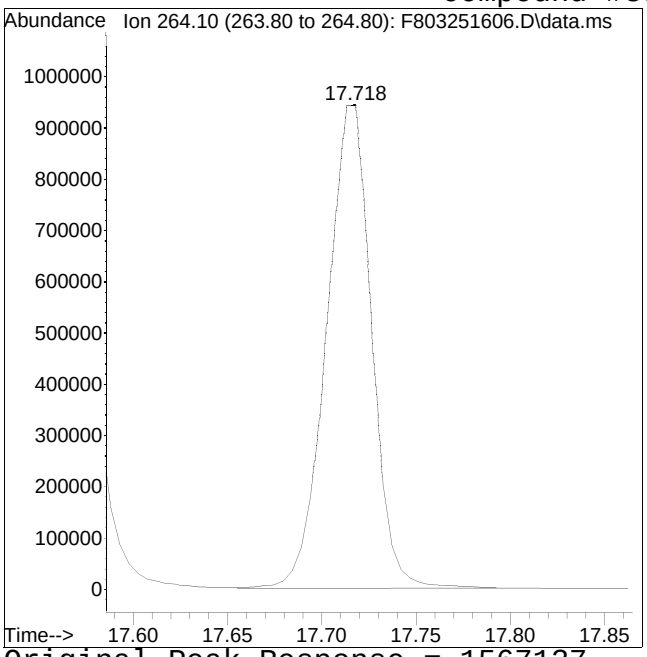
Manual Peak Response = 3302605 M4

M4 = Poor automated baseline construction.

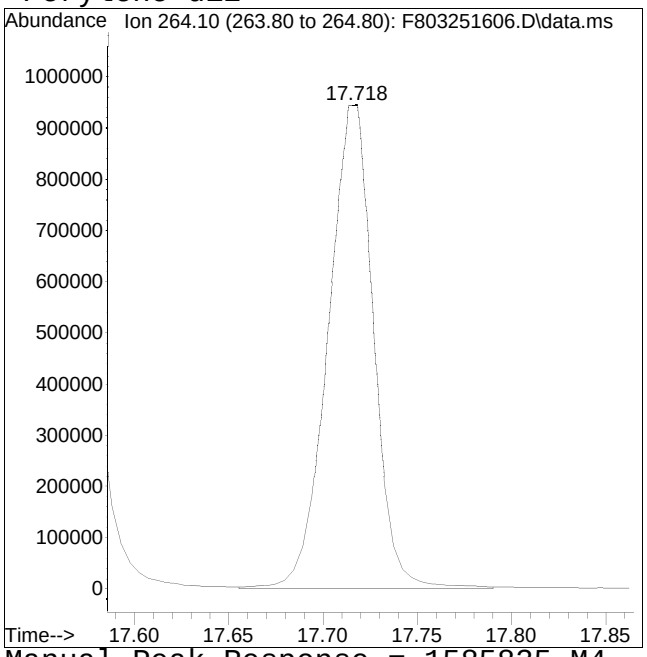
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251606.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 7:30 pm Instrument : BNA8
Sample : I803251605 Quant Date : 3/27/2016 4:05 pm

Compound #85: Perylene-d12



Original Peak Response = 1567137



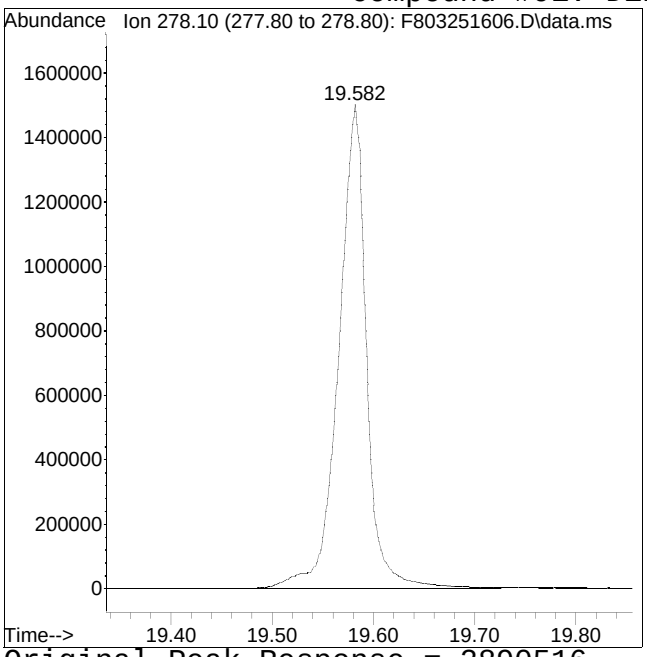
Manual Peak Response = 1585835 M4

M4 = Poor automated baseline construction.

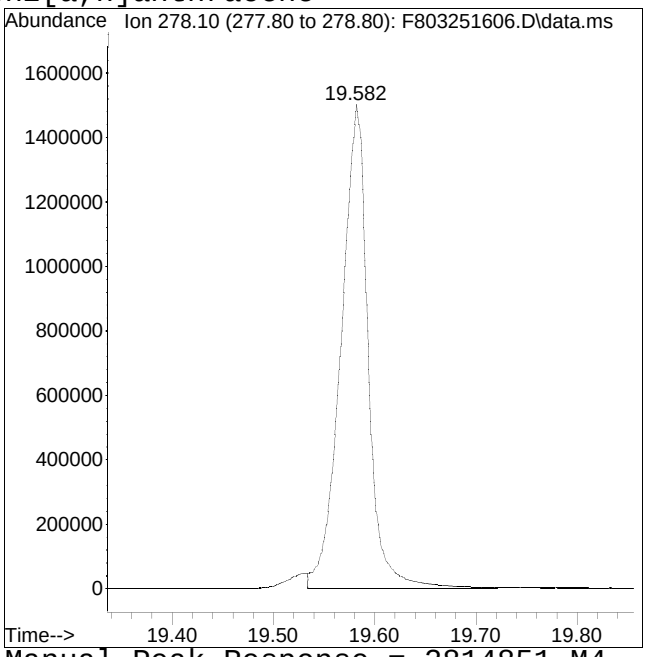
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251606.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 7:30 pm Instrument : BNA8
Sample : I803251605 Quant Date : 3/27/2016 4:05 pm

Compound #91: Dibenz[a,h]anthracene



Original Peak Response = 2890516



Manual Peak Response = 2814851 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251607.D
Acq On : 25 Mar 2016 8:01 pm
Operator : BNA8:ML
Sample : I803251606
Misc : WG877805,MSAI30
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 27 16:06:02 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:05:58 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.755	152	550850	5.000	ug/mL	0.00
21) Naphthalene-d8	5.916	136	2076208	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.611	164	951116	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.402	188	1801684	5.000	ug/mL	0.00
76) Chrysene-d12	14.636	240	1696676	5.000	ug/mL	0.02
85) Perylene-d12	17.723	264	1617887M4	5.000	ug/mL	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	3.696	112	1900162	15.534	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 77.67%			
8) Phenol-d5	4.423	99	2272477	15.390	ug/mL	0.01
Spiked Amount 20.000	Range 10 - 94		Recovery = 76.95%			
22) Nitrobenzene-d5	5.251	82	1582790M4	15.890	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 79.45%			
43) 2-Fluorobiphenyl	6.951	172	3317270	14.969	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 74.84%			
65) 2,4,6-Tribromophenol	8.478	330	377669	17.106	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 85.53%			
79) Terphenyl-d14	12.330	244	3334105	15.370	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 76.85%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.810	74	1081601	14.953	ug/mL	98
3) Pyridine	2.810	79	2012092	14.974	ug/mL	98
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.481	93	2541386	14.612	ug/ml	99
7) bis(2-Chloroethyl)ether	4.524	63	1172965	14.749	ug/mL	99
9) Phenol	4.433	94	2367963	15.118	ug/mL	95
10) 2-Chlorophenol	4.577	128	2062004	15.283	ug/mL	98
11) 1,3-Dichlorobenzene	4.707	146	2185085	15.162	ug/mL	100
12) 1,4-Dichlorobenzene	4.775	146	2146849	14.938	ug/mL	99
13) 1,2-Dichlorobenzene	4.905	146	2057608	15.172	ug/mL	100
14) Benzyl alcohol	4.871	108	1245671	15.646	ug/mL	100
15) bis(2-chloroisopropyl)eth	4.991	45	1945335	14.414	ug/mL	100
16) 2-Methylphenol	4.958	108	1598538M4	14.984	ug/mL	
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	5.208	117	839036	15.107	ug/mL	99
19) N-Nitroso-di-n-propylamin	5.116	70	1180289	14.796	ug/mL	98
20) 4-Methylphenol	5.102	108	1697937	14.982	ug/mL	100

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251607.D
Acq On : 25 Mar 2016 8:01 pm
Operator : BNA8:ML
Sample : I803251606
Misc : WG877805,MSAI30
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 27 16:06:02 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:05:58 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	5.271	77	1611805	15.585	ug/mL	97
24) Isophorone	5.492	82	2778331	14.963	ug/mL	99
25) 2-Nitrophenol	5.559	139	971549	15.371	ug/mL	99
26) 2,4-Dimethylphenol	5.588	107	1468326	14.540	ug/mL	98
27) Benzoic acid	5.704	105	923326M4	13.828	ug/mL	
28) bis(2-Chloroethoxy)methan	5.685	93	1964081	15.067	ug/mL	98
29) 2,4-Dichlorophenol	5.776	162	1520637	15.567	ug/mL	99
30) 1,2,4-Trichlorobenzene	5.858	180	1565813	14.980	ug/mL	99
31) Naphthalene	5.940	128	4995336	14.577	ug/mL	100
32) 2-Chloroaniline	5.526	127	2742810	15.259	ug/ml	99
33) 4-Chloroaniline	5.983	127	2220300M4	15.042	ug/mL	
34) Hexachlorobutadiene	6.051	225	765939	15.108	ug/mL	100
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	6.436	107	1467120	15.508	ug/mL	99
37) 2-Methylnaphthalene	6.595	142	3293042	14.706	ug/mL	98
39) 1,2,4,5-Tetrachlorobenzen	6.758	216	1308365	15.244	ug/mL	99
40) Hexachlorocyclopentadiene	6.749	237	774294	16.751	ug/mL	99
41) 2,4,6-Trichlorophenol	6.864	196	1071139	16.298	ug/mL	100
42) 2,4,5-Trichlorophenol	6.893	196	1040660M4	15.979	ug/mL	
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	7.067	162	3100836	14.937	ug/mL	99
46) 2-Nitroaniline	7.168	65	743604	17.212	ug/mL	97
47) Acenaphthylene	7.471	152	5097790	14.879	ug/mL	100
48) Dimethylphthalate	7.351	163	3369040	15.134	ug/mL	100
49) 2,6-Dinitrotoluene	7.409	165	786881	15.511	ug/mL	96
50) Acenaphthene	7.644	153	3001519	14.672	ug/mL	98
51) 3-Nitroaniline	7.572	138	900160	15.419	ug/mL	95
52) 2,4-Dinitrophenol	7.678	184	406776	15.307	ug/mL	91
53) Dibenzofuran	7.823	168	3979758	15.027	ug/mL	100
54) 2,3,4,6-Tetrachlorophenol	7.953	232	702858	17.324	ug/mL	98
55) 2,4-Dinitrotoluene	7.813	165	1026596	15.636	ug/mL#	85
56) 4-Nitrophenol	7.736	109	410485	14.345	ug/mL	97
57) Fluorene	8.198	166	3101138	14.263	ug/mL	100
58) 4-Chlorophenyl-phenylethe	8.198	204	1358901	14.493	ug/mL	98
59) Diethylphthalate	8.078	149	3544862	15.073	ug/mL	100
60) 4-Nitroaniline	8.232	138	945213	15.362	ug/mL	97
62) 4,6-Dinitro-2-methylpheno	8.261	198	556401	15.122	ug/mL	99
63) Azobenzene	8.386	182	960575	15.312	ug/mL	94
64) n-Nitrosodiphenylamine	8.338	169	2486819	15.215	ug/mL	98
66) 4-Bromophenyl-phenylether	8.795	248	891206	15.613	ug/mL	99
67) Hexachlorobenzene	8.868	284	881777	15.204	ug/mL	98

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251607.D
Acq On : 25 Mar 2016 8:01 pm
Operator : BNA8:ML
Sample : I803251606
Misc : WG877805,MSAI30
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 27 16:06:02 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:05:58 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Atrazine	0.000		0	N.D. d		
69) Pentachlorophenol	9.132	266	705837	14.826	ug/mL	99
70) Pentachloronitrobenzene	9.152	237	335802	15.273	ug/ml	93
71) Phenanthrene	9.445	178	4899337	14.944	ug/mL	100
72) Anthracene	9.518	178	5005321M4	15.007	ug/mL	
73) Carbazole	9.768	167	4895490	14.993	ug/mL	100
74) Di-n-butylphthalate	10.399	149	6201418	15.363	ug/mL	100
75) Fluoranthene	11.487	202	5288954	15.262	ug/mL	98
77) Benzidine	0.000		0	N.D.		
78) Pyrene	11.925	202	5553287	15.142	ug/mL	99
80) Butylbenzylphthalate	13.514	149	2966627	16.016	ug/mL	100
81) 3,3'-Dichlorobenzidine	0.000		0	N.D. d		
82) Benz[a]anthracene	14.612	228	5079787	15.143	ug/mL	100
83) Chrysene	14.699	228	4851312	15.016	ug/mL	100
84) bis(2-Ethylhexyl)phthalat	14.983	149	4032787	16.209	ug/mL	99
86) Di-n-octylphthalate	16.500	149	7078227	17.119	ug/mL	99
87) Benzo[b]fluoranthene	16.996	252	4783789	15.497	ug/mL	100
88) Benzo[k]fluoranthene	17.058	252	4729663	15.780	ug/mL	99
89) Benzo[a]pyrene	17.631	252	4676559	15.776	ug/mL	99
90) Indeno[1,2,3-cd]pyrene	19.538	276	4267488	16.280	ug/mL	100
91) Dibenz[a,h]anthracene	19.591	278	4254060M4	16.262	ug/mL	
92) Benzo[g,h,i]perylene	19.962	276	4375799	15.864	ug/mL	99

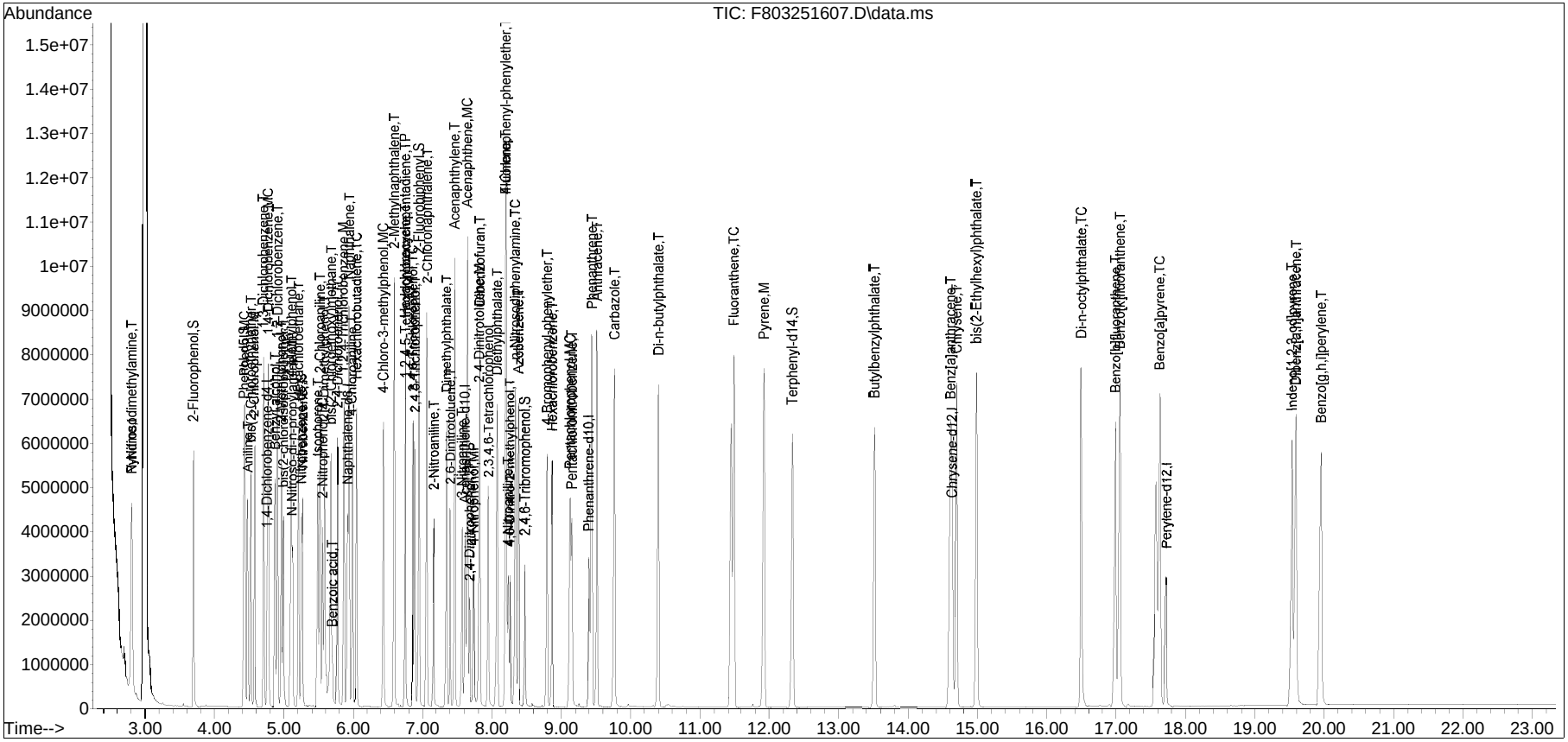
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251607.D
Acq On : 25 Mar 2016 8:01 pm
Operator : BNA8:ML
Sample : I803251606
Misc : WG877805,MSAI30
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 27 16:06:02 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:05:58 2016
Response via : Initial Calibration

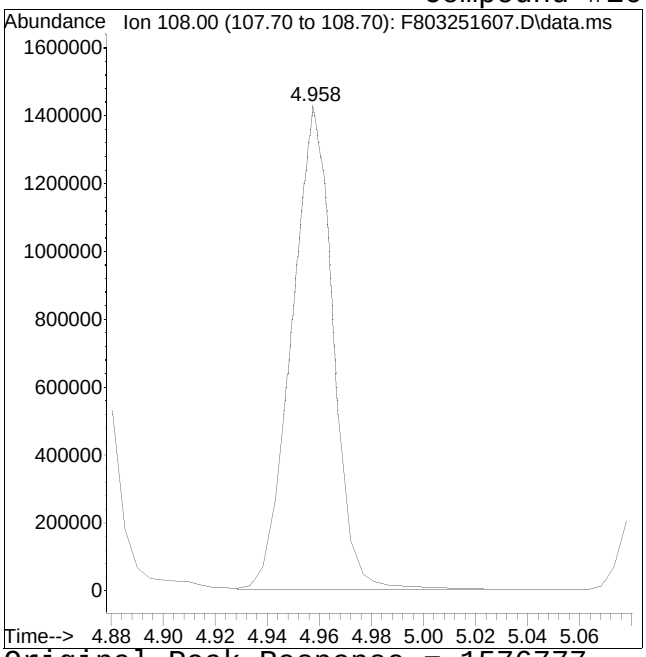
Sub List : Default - All compounds listed



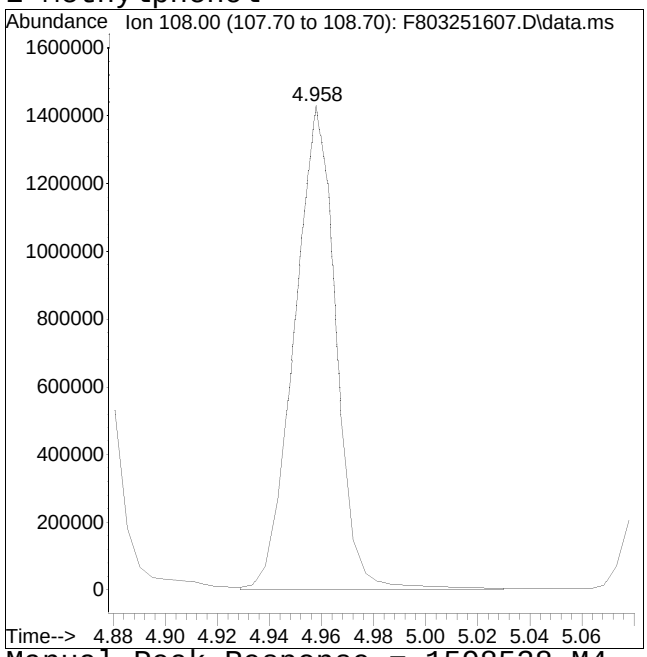
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ Method : SV0325BNA8.M
Data File : F803251607.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 8:01 pm Instrument : BNA8
Sample : I803251606 Quant Date : 3/27/2016 4:05 pm

Compound #16: 2-Methylphenol



Original Peak Response = 1576777



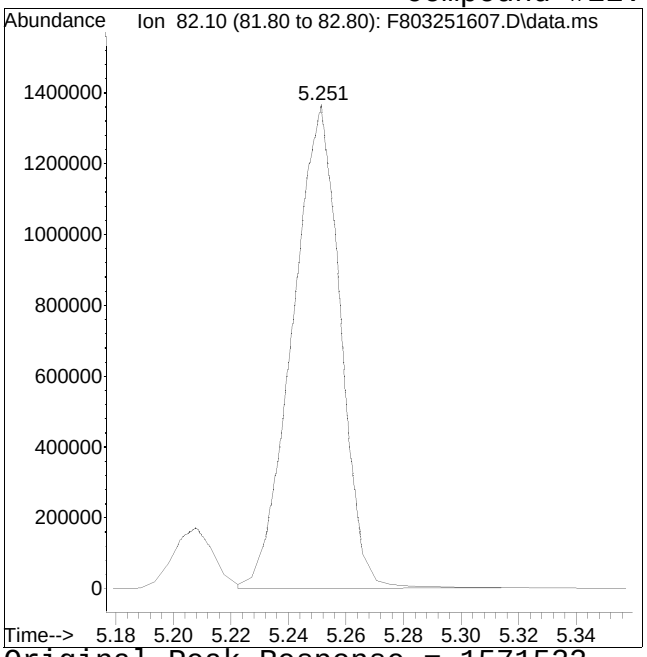
Manual Peak Response = 1598538 M4

M4 = Poor automated baseline construction.

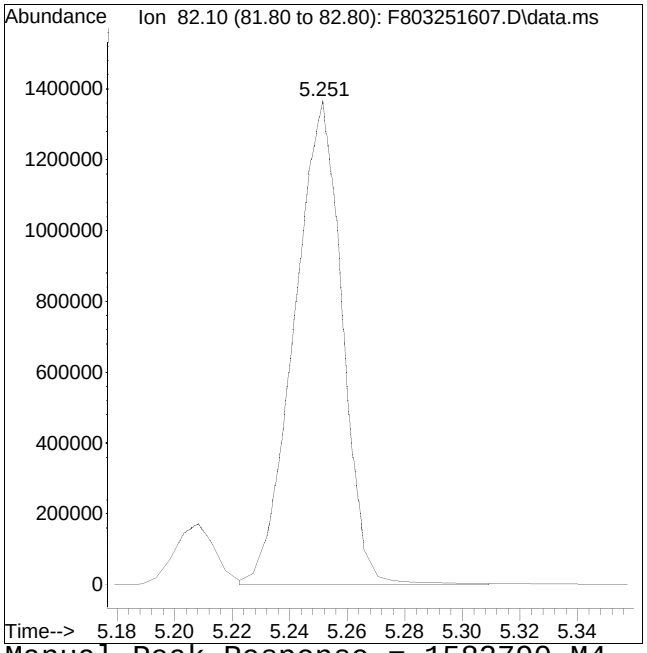
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251607.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 8:01 pm Instrument : BNA8
Sample : I803251606 Quant Date : 3/27/2016 4:05 pm

Compound #22: Nitrobenzene-d5



Original Peak Response = 1571522



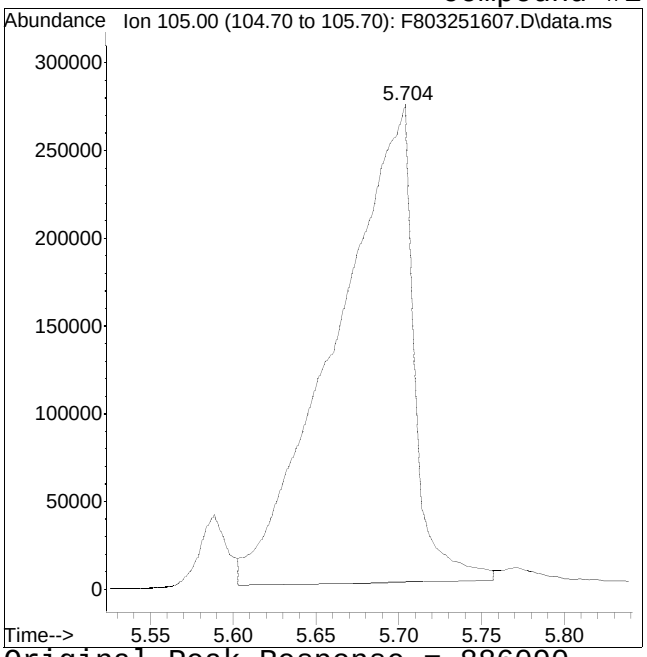
Manual Peak Response = 1582790 M4

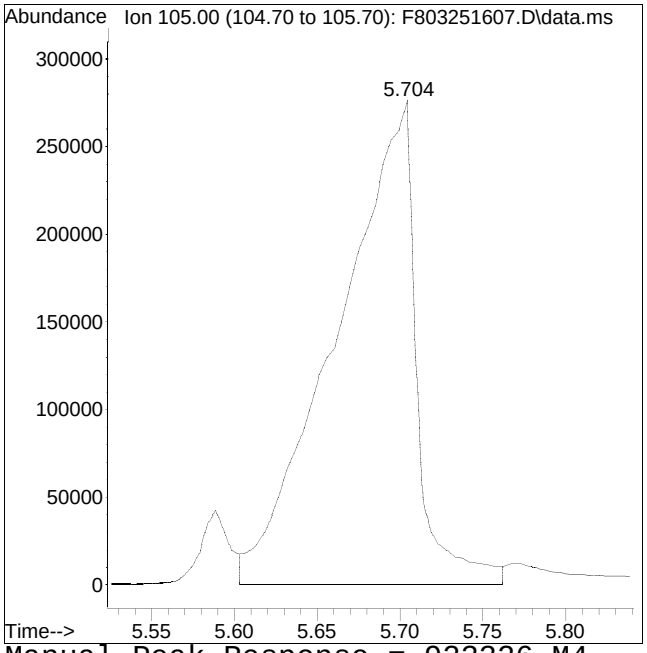
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251607.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 8:01 pm Instrument : BNA8
Sample : I803251606 Quant Date : 3/27/2016 4:05 pm

Compound #27: Benzoic acid



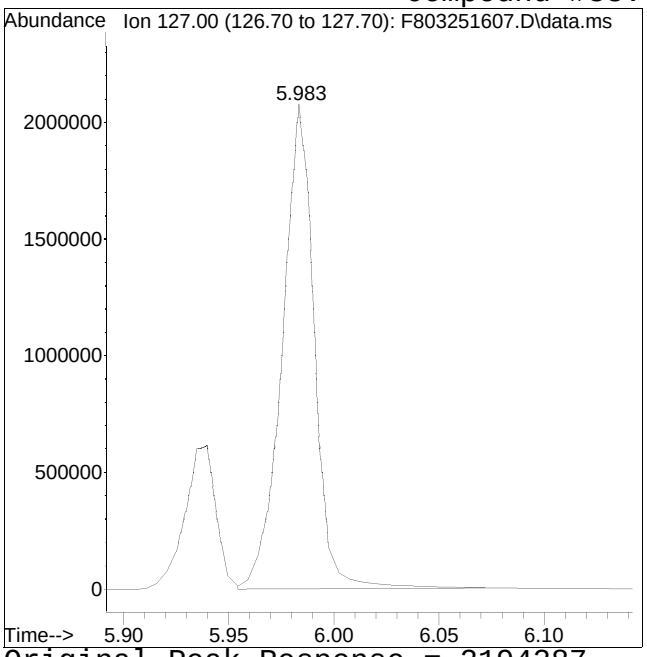


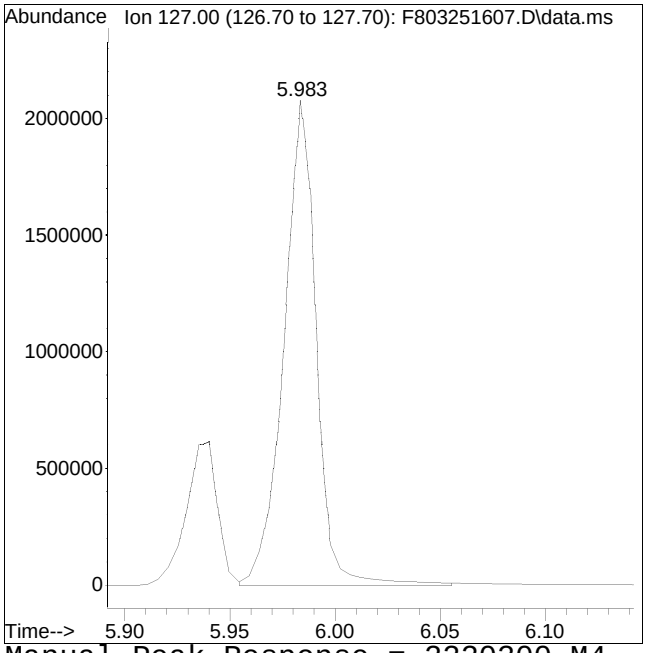
Original Peak Response = 886090 Manual Peak Response = 923326 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251607.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 8:01 pm Instrument : BNA8
Sample : I803251606 Quant Date : 3/27/2016 4:05 pm

Compound #33: 4-Chloroaniline





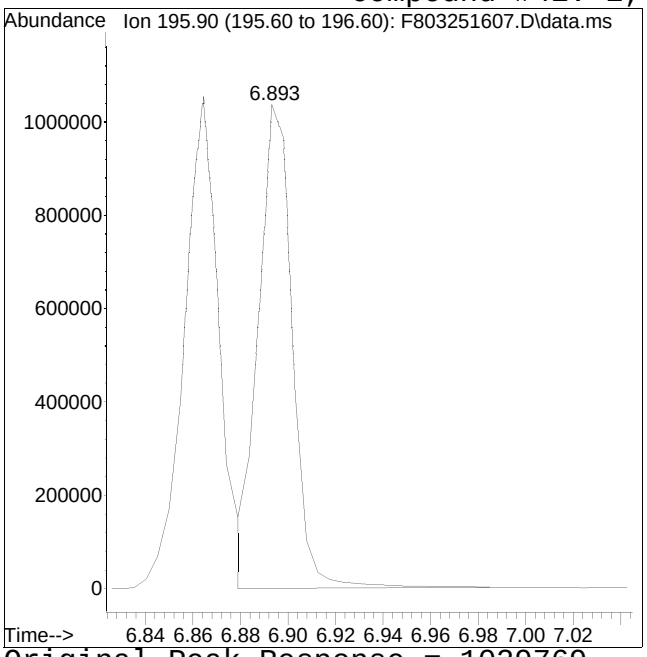
Original Peak Response = 2194287 Manual Peak Response = 2220300 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

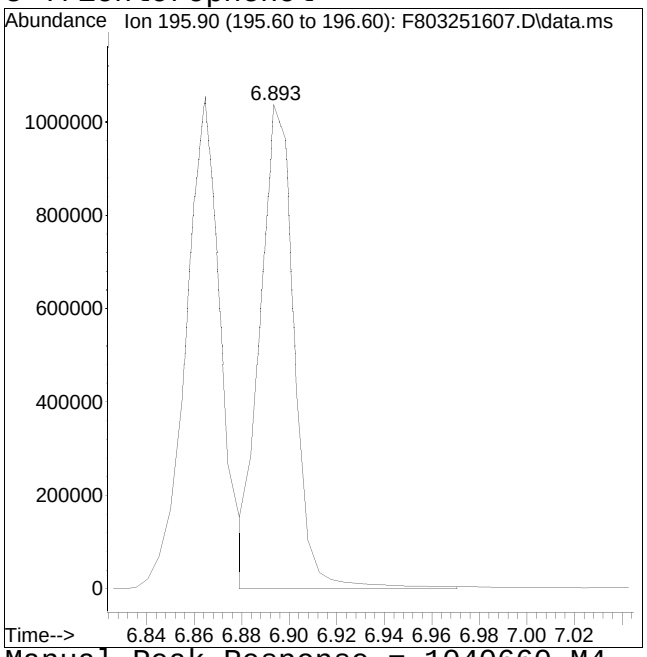
Data Path : O:\Organics\DATA\BNA8\2016\
Data File : F803251607.D
Date Inj'd : 3/25/2016 8:01 pm
Sample : I803251606

QMethod : SV0325BNA8.M
Operator : BNA8:ML
Instrument : BNA8
Quant Date : 3/27/2016 4:05 pm

Compound #42: 2,4,5-Trichlorophenol



Original Peak Response = 1029769



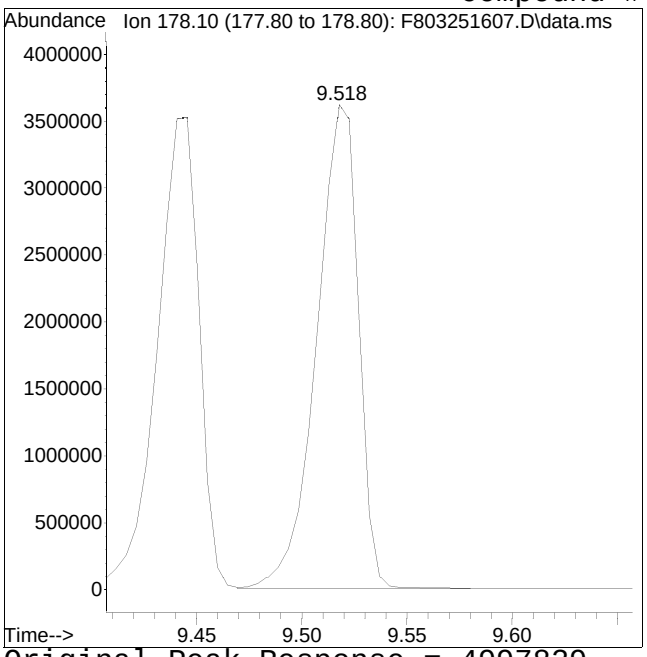
Manual Peak Response = 1040660 M4

M4 = Poor automated baseline construction.

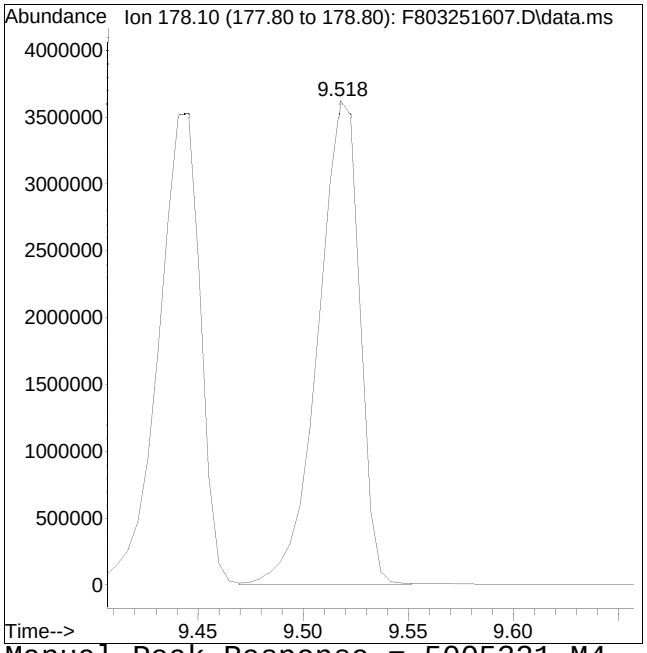
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251607.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 8:01 pm Instrument : BNA8
Sample : I803251606 Quant Date : 3/27/2016 4:05 pm

Compound #72: Anthracene



Original Peak Response = 4997829



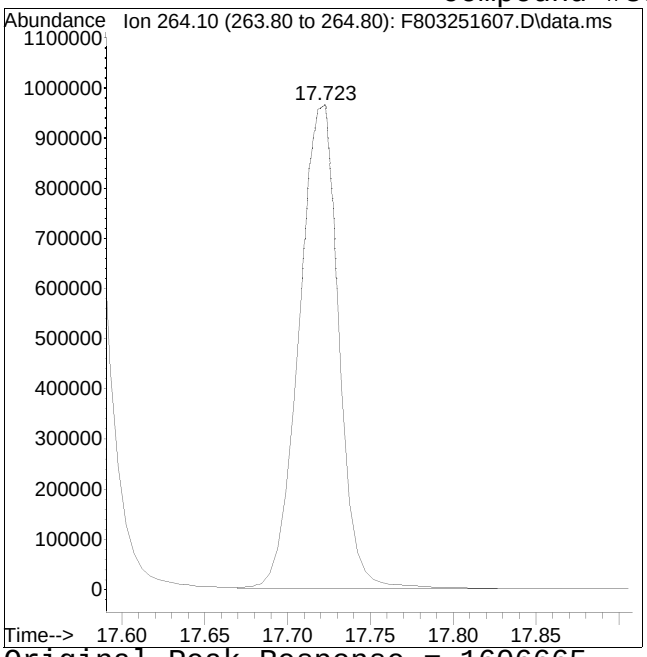
Manual Peak Response = 5005321 M4

M4 = Poor automated baseline construction.

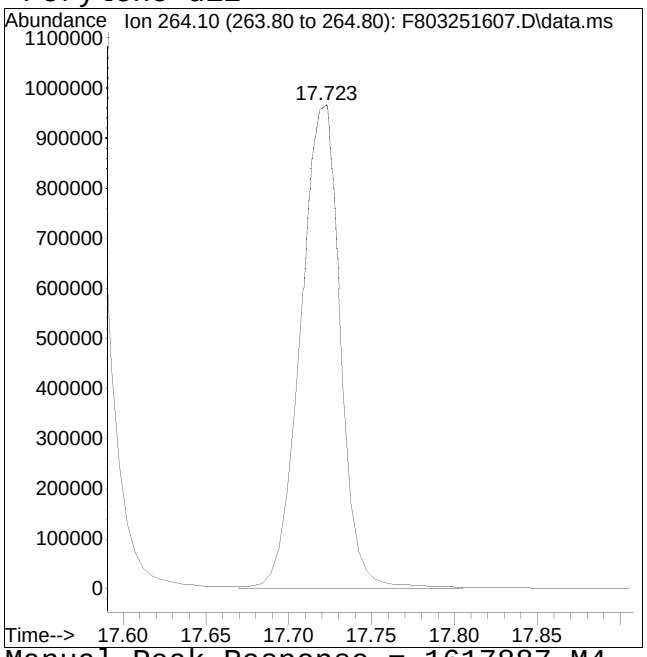
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251607.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 8:01 pm Instrument : BNA8
Sample : I803251606 Quant Date : 3/27/2016 4:05 pm

Compound #85: Perylene-d12



Original Peak Response = 1606665



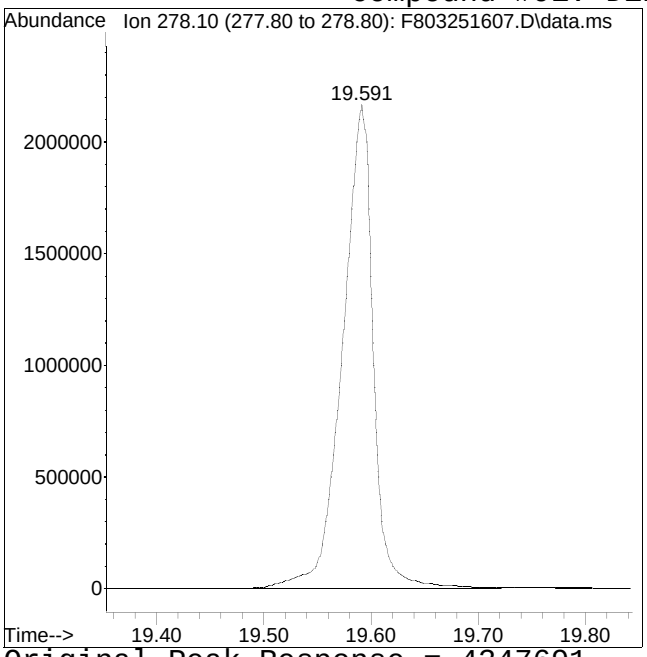
Manual Peak Response = 1617887 M4

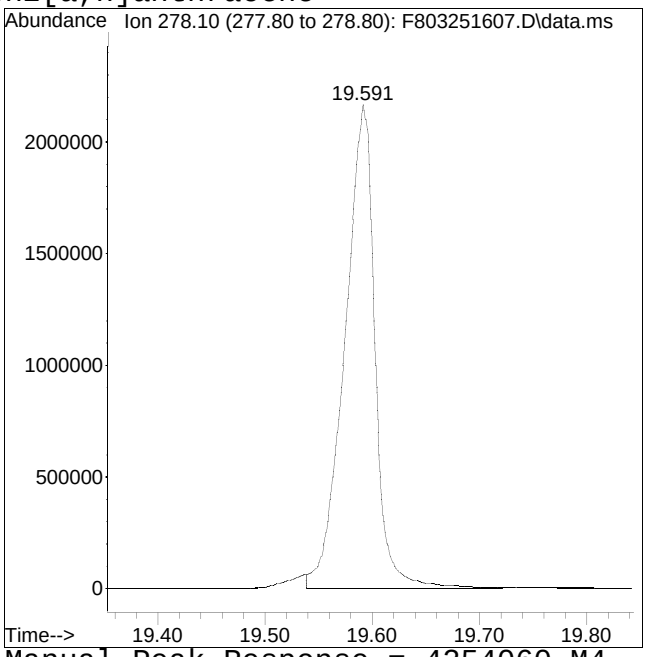
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251607.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 8:01 pm Instrument : BNA8
Sample : I803251606 Quant Date : 3/27/2016 4:05 pm

Compound #91: Dibenz[a,h]anthracene





Original Peak Response = 4347691 Manual Peak Response = 4254060 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251608.D
Acq On : 25 Mar 2016 8:32 pm
Operator : BNA8:ML
Sample : I803251607
Misc : WG877805,MSAI29
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 27 16:06:11 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:06:07 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.760	152	510964	5.000	ug/mL	0.00
21) Naphthalene-d8	5.921	136	1924547	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.611	164	887941	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.407	188	1683943	5.000	ug/mL	0.00
76) Chrysene-d12	14.641	240	1571205	5.000	ug/mL	0.02
85) Perylene-d12	17.728	264	1557063M4	5.000	ug/mL	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	3.696	112	2819835	24.852	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 124.26%#			
8) Phenol-d5	4.428	99	3317535	24.221	ug/mL	0.01
Spiked Amount 20.000	Range 10 - 94		Recovery = 121.10%#			
22) Nitrobenzene-d5	5.256	82	2385258M4	25.833	ug/mL	0.01
Spiked Amount 20.000	Range 35 - 114		Recovery = 129.16%#			
43) 2-Fluorobiphenyl	6.951	172	4638439	22.420	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 112.10%			
65) 2,4,6-Tribromophenol	8.482	330	597155	28.939	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 144.69%#			
79) Terphenyl-d14	12.335	244	4915045	24.467	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 122.33%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.829	74	1646986	24.547	ug/mL	97
3) Pyridine	2.820	79	3043854	24.421	ug/mL	98
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.481	93	3781618	23.440	ug/ml	100
7) bis(2-Chloroethyl)ether	4.529	63	1683385	22.820	ug/mL	99
9) Phenol	4.442	94	3382158	23.279	ug/mL	94
10) 2-Chlorophenol	4.577	128	3024825	24.170	ug/mL	99
11) 1,3-Dichlorobenzene	4.712	146	3118575	23.328	ug/mL	100
12) 1,4-Dichlorobenzene	4.775	146	3040040	22.804	ug/mL	100
13) 1,2-Dichlorobenzene	4.909	146	2956985	23.506	ug/mL	100
14) Benzyl alcohol	4.876	108	1883010	25.497	ug/mL	100
15) bis(2-chloroisopropyl)eth	4.991	45	2753465	21.995	ug/mL	99
16) 2-Methylphenol	4.962	108	2338265M4	23.629	ug/mL	
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	5.208	117	1209587	23.478	ug/mL	97
19) N-Nitroso-di-n-propylamin	5.131	70	1733848	23.432	ug/mL	97
20) 4-Methylphenol	5.107	108	2542462M4	24.184	ug/mL	

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251608.D
Acq On : 25 Mar 2016 8:32 pm
Operator : BNA8:ML
Sample : I803251607
Misc : WG877805,MSAI29
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 27 16:06:11 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:06:07 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	5.275	77	2399088	25.026	ug/mL	97
24) Isophorone	5.502	82	4094569	23.789	ug/mL	98
25) 2-Nitrophenol	5.564	139	1499859	25.127	ug/mL	99
26) 2,4-Dimethylphenol	5.593	107	2130337	22.758	ug/mL	97
27) Benzoic acid	5.728	105	1593364M4	22.732	ug/mL	
28) bis(2-Chloroethoxy)methan	5.690	93	2859621	23.666	ug/mL	99
29) 2,4-Dichlorophenol	5.781	162	2275967	25.136	ug/mL	99
30) 1,2,4-Trichlorobenzene	5.863	180	2268079	23.409	ug/mL	99
31) Naphthalene	5.940	128	6874337	21.642	ug/mL	99
32) 2-Chloroaniline	5.531	127	3930346	23.588	ug/ml	99
33) 4-Chloroaniline	5.988	127	3214489M4	23.494	ug/mL	
34) Hexachlorobutadiene	6.051	225	1131235	24.072	ug/mL	100
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	6.441	107	2136110	24.359	ug/mL	99
37) 2-Methylnaphthalene	6.600	142	4618473	22.251	ug/mL	98
39) 1,2,4,5-Tetrachlorobenzen	6.759	216	1824506	22.770	ug/mL	99
40) Hexachlorocyclopentadiene	6.749	237	1145735	26.550	ug/mL	98
41) 2,4,6-Trichlorophenol	6.864	196	1654822	26.971	ug/mL	100
42) 2,4,5-Trichlorophenol	6.898	196	1463227M4	24.065	ug/mL	
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	7.072	162	4364969	22.522	ug/mL	100
46) 2-Nitroaniline	7.173	65	1149975	28.512	ug/mL	98
47) Acenaphthylene	7.476	152	7105447	22.215	ug/mL	100
48) Dimethylphthalate	7.356	163	5015780	24.135	ug/mL	100
49) 2,6-Dinitrotoluene	7.413	165	1229160	24.820	ug/mL	95
50) Acenaphthene	7.649	153	4173867	21.854	ug/mL	98
51) 3-Nitroaniline	7.577	138	1411205	24.903	ug/mL	96
52) 2,4-Dinitrophenol	7.683	184	755095	25.541	ug/mL	89
53) Dibenzofuran	7.828	168	5502275	22.254	ug/mL	100
54) 2,3,4,6-Tetrachlorophenol	7.953	232	1076392	28.418	ug/mL	98
55) 2,4-Dinitrotoluene	7.818	165	1514561	25.479	ug/mL#	87
56) 4-Nitrophenol	7.746	109	644077	23.430	ug/mL	96
57) Fluorene	8.203	166	4125281	20.324	ug/mL	99
58) 4-Chlorophenyl-phenylethe	8.203	204	1806909	20.642	ug/mL	98
59) Diethylphthalate	8.083	149	5114695	23.296	ug/mL	99
60) 4-Nitroaniline	8.242	138	1460988	24.698	ug/mL	97
62) 4,6-Dinitro-2-methylpheno	8.271	198	948710	25.325	ug/mL	97
63) Azobenzene	8.391	182	1446696	24.673	ug/mL	85
64) n-Nitrosodiphenylamine	8.348	169	3620378	23.699	ug/mL	98
66) 4-Bromophenyl-phenylether	8.800	248	1335843	25.040	ug/mL	99
67) Hexachlorobenzene	8.872	284	1316925	24.295	ug/mL	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251608.D
Acq On : 25 Mar 2016 8:32 pm
Operator : BNA8:ML
Sample : I803251607
Misc : WG877805,MSAI29
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 27 16:06:11 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:06:07 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Atrazine	0.000		0	N.D. d		
69) Pentachlorophenol	9.137	266	1129567	24.786	ug/mL	98
70) Pentachloronitrobenzene	9.157	237	520899	25.165	ug/ml	92
71) Phenanthrene	9.450	178	7031906	22.948	ug/mL	99
72) Anthracene	9.527	178	7140564M4	22.905	ug/mL	
73) Carbazole	9.778	167	7187051	23.549	ug/mL	100
74) Di-n-butylphthalate	10.404	149	8857782	23.478	ug/mL	100
75) Fluoranthene	11.497	202	7621645	23.530	ug/mL	98
77) Benzidine	0.000		0	N.D.		
78) Pyrene	11.935	202	8016372	23.604	ug/mL	100
80) Butylbenzylphthalate	13.524	149	4484274	26.142	ug/mL	99
81) 3,3'-Dichlorobenzidine	0.000		0	N.D. d		
82) Benz[a]anthracene	14.622	228	7606385	24.485	ug/mL	100
83) Chrysene	14.713	228	7216730M4	24.122	ug/mL	
84) bis(2-Ethylhexyl)phthalat	14.988	149	5986077	25.982	ug/mL	99
86) Di-n-octylphthalate	16.505	149	10427756	26.206	ug/mL	100
87) Benzo[b]fluoranthene	17.010	252	7313033	24.616	ug/mL	99
88) Benzo[k]fluoranthene	17.073	252	7156920	24.811	ug/mL	99
89) Benzo[a]pyrene	17.646	252	7094808	24.869	ug/mL	99
90) Indeno[1,2,3-cd]pyrene	19.553	276	6809042	26.990	ug/mL	99
91) Dibenz[a,h]anthracene	19.606	278	6578958M4	26.132	ug/mL	
92) Benzo[g,h,i]perylene	19.981	276	6706508	25.263	ug/mL	99

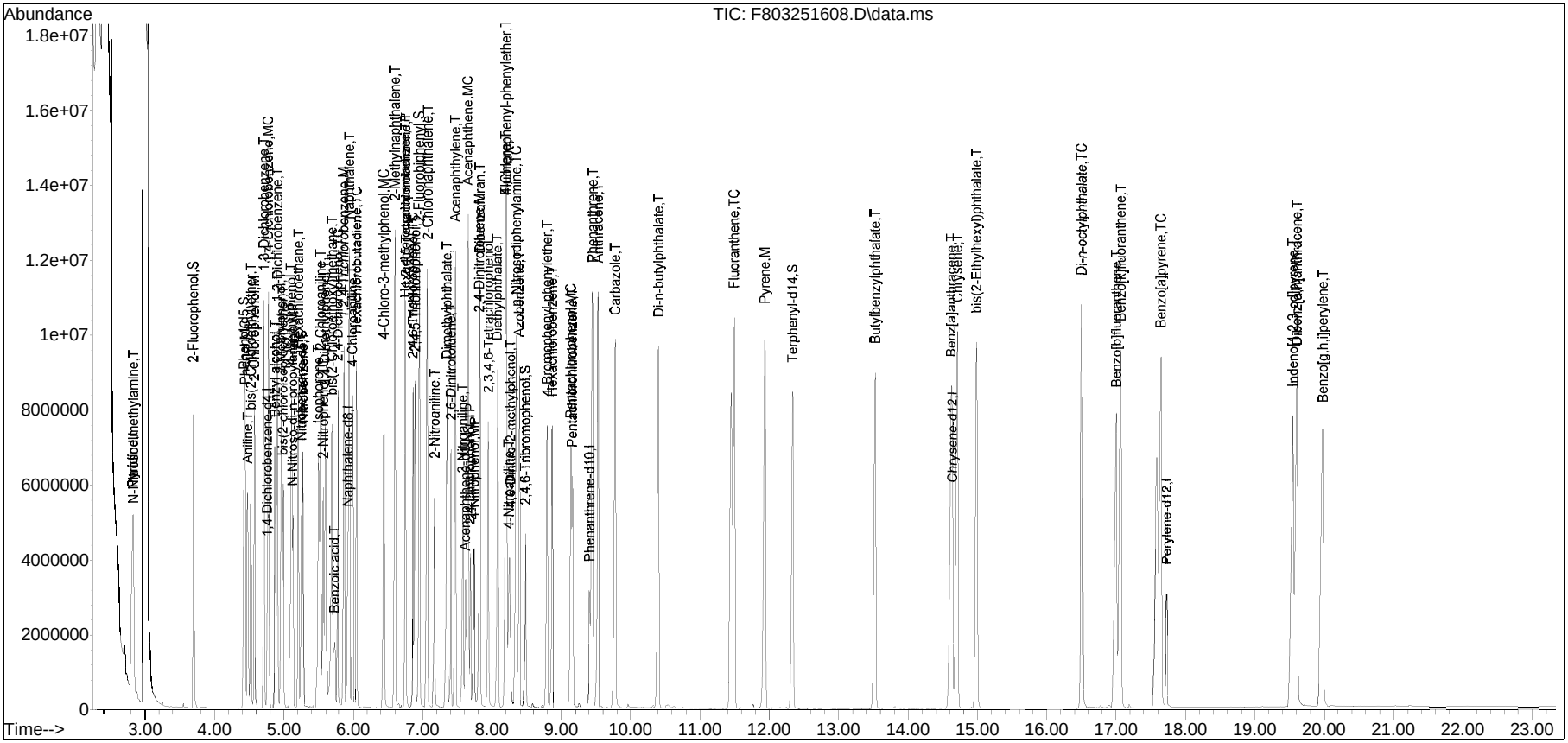
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251608.D
Acq On : 25 Mar 2016 8:32 pm
Operator : BNA8:ML
Sample : I803251607
Misc : WG877805,MSAI29
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 27 16:06:11 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:06:07 2016
Response via : Initial Calibration

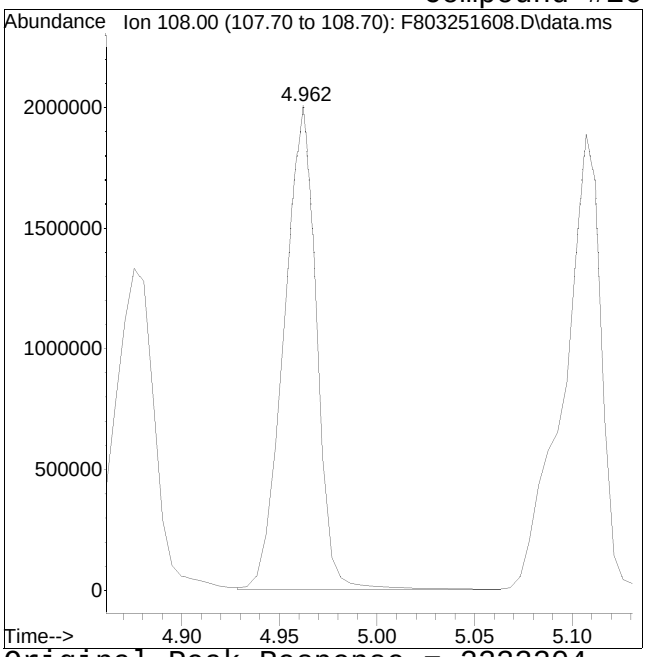
Sub List : Default - All compounds listed

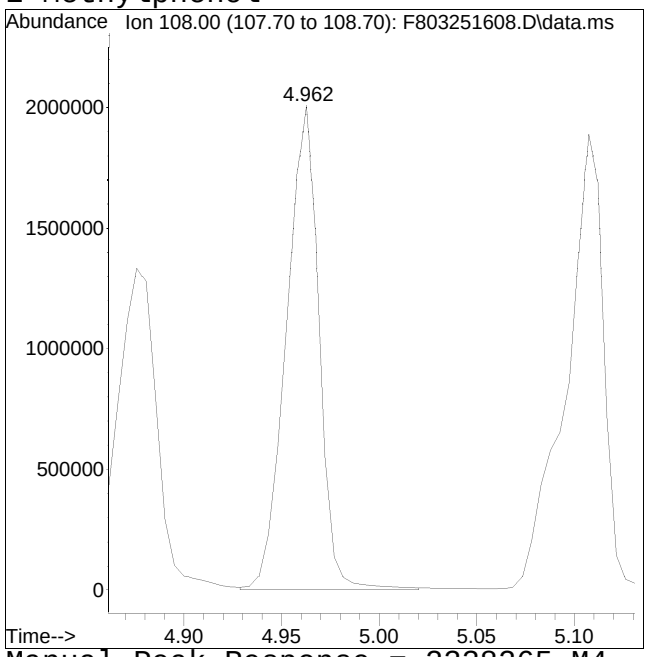


Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ Method : SV0325BNA8.M
Data File : F803251608.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 8:32 pm Instrument : BNA8
Sample : I803251607 Quant Date : 3/27/2016 4:06 pm

Compound #16: 2-Methylphenol



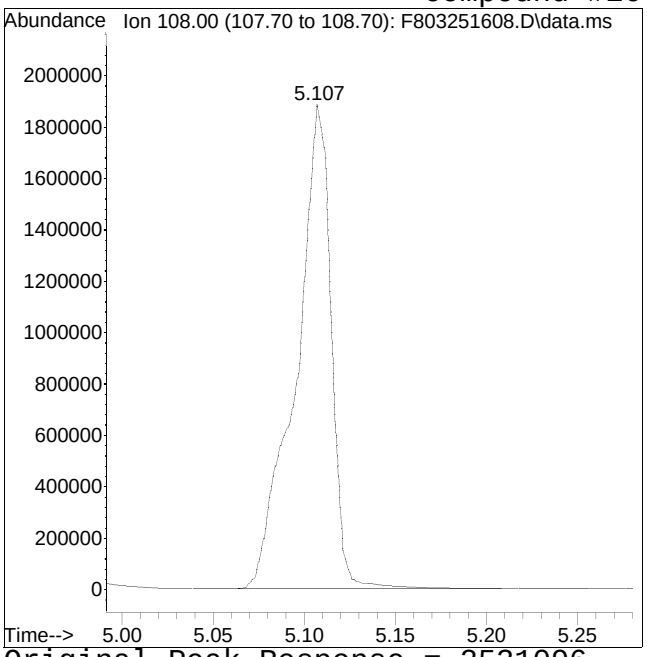


Original Peak Response = 2333204 Manual Peak Response = 2338265 M4
M4 = Poor automated baseline construction.

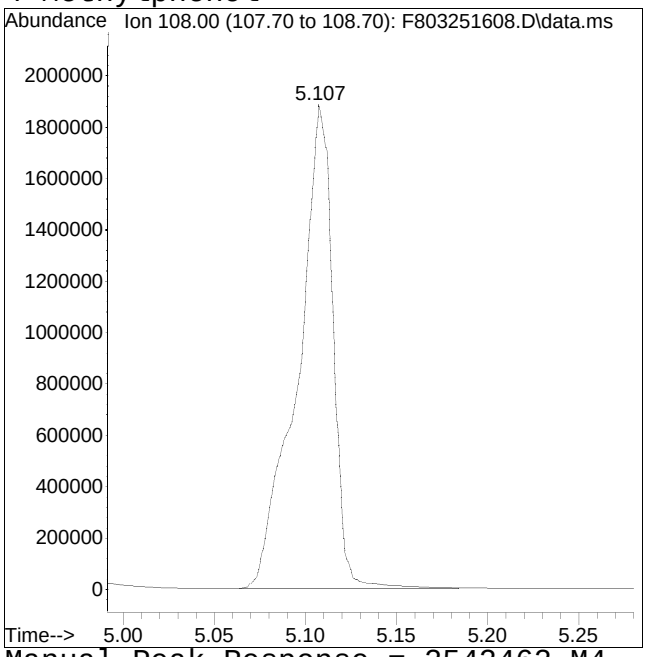
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251608.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 8:32 pm Instrument : BNA8
Sample : I803251607 Quant Date : 3/27/2016 4:06 pm

Compound #20: 4-Methylphenol



Original Peak Response = 2531096



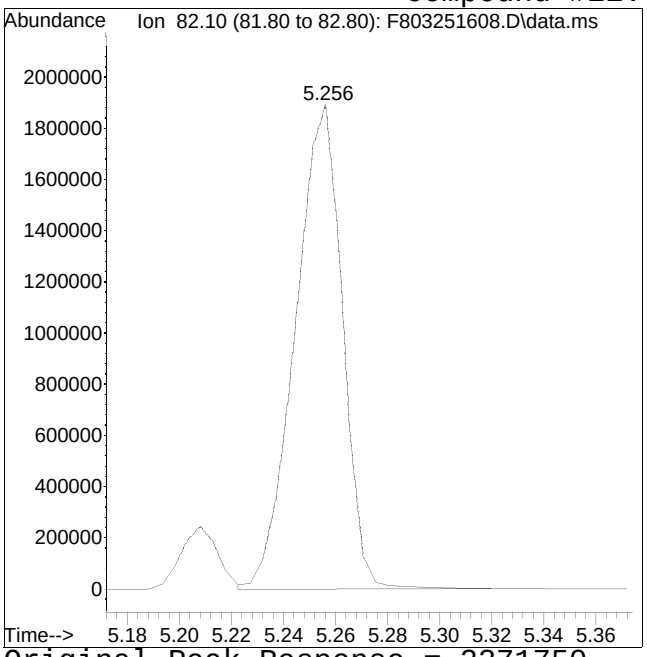
Manual Peak Response = 2542462 M4

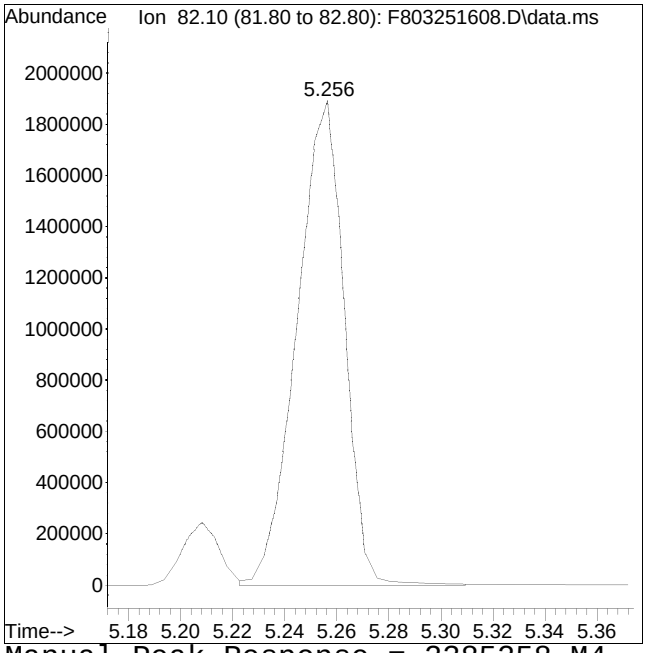
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251608.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 8:32 pm Instrument : BNA8
Sample : I803251607 Quant Date : 3/27/2016 4:06 pm

Compound #22: Nitrobenzene-d5



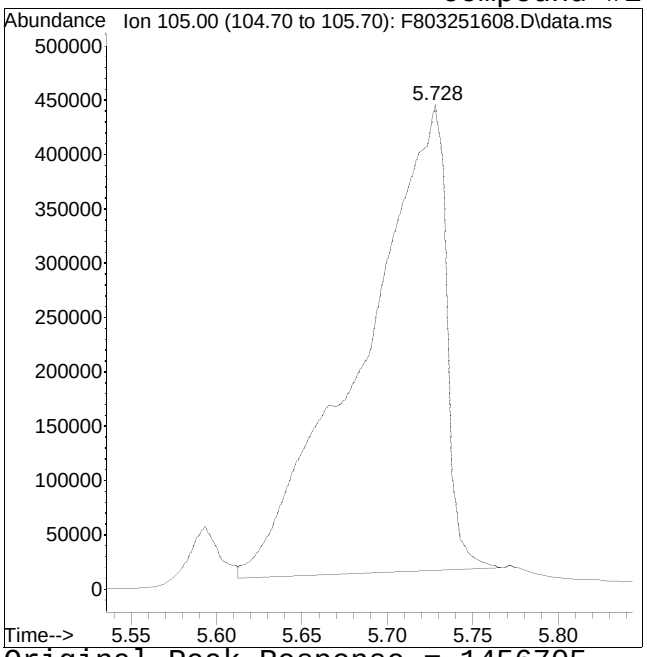


Original Peak Response = 2371750 Manual Peak Response = 2385258 M4
M4 = Poor automated baseline construction.

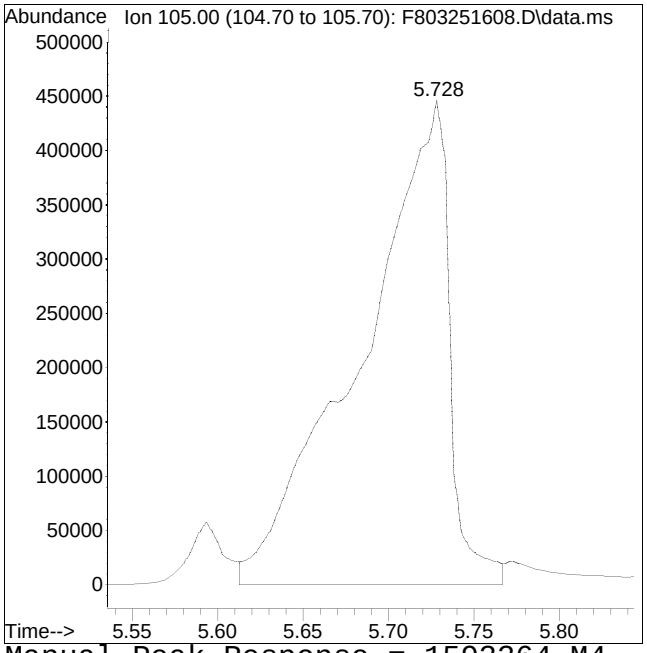
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251608.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 8:32 pm Instrument : BNA8
Sample : I803251607 Quant Date : 3/27/2016 4:06 pm

Compound #27: Benzoic acid



Original Peak Response = 1456705



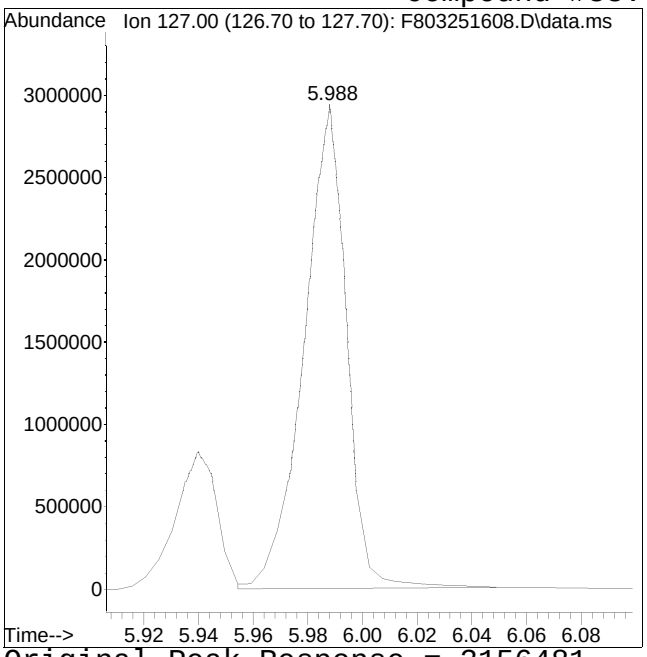
Manual Peak Response = 1593364 M4

M4 = Poor automated baseline construction.

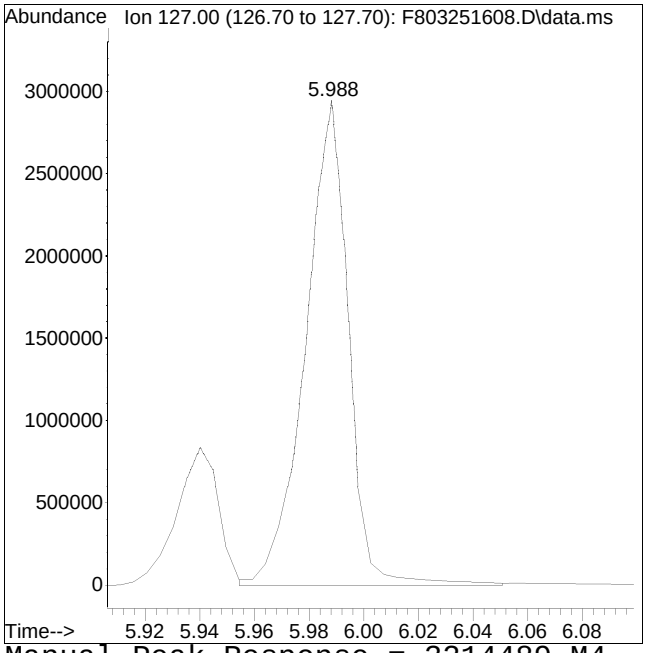
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251608.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 8:32 pm Instrument : BNA8
Sample : I803251607 Quant Date : 3/27/2016 4:06 pm

Compound #33: 4-Chloroaniline



Original Peak Response = 3156481



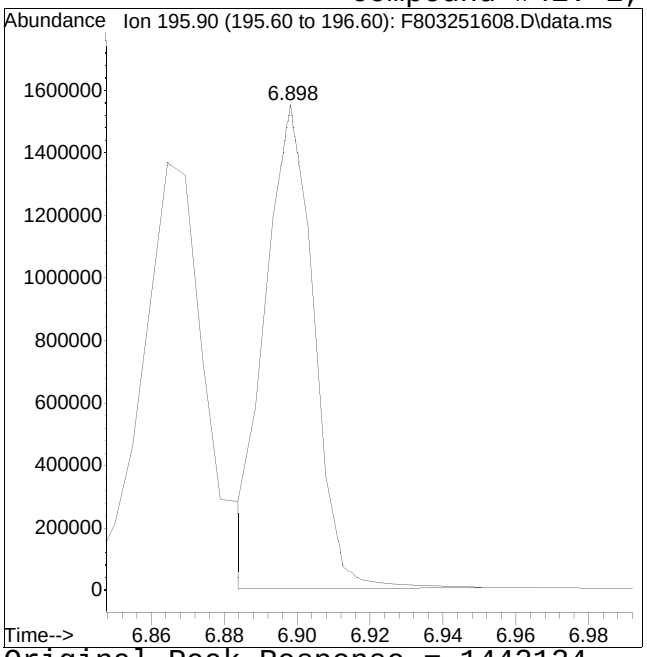
Manual Peak Response = 3214489 M4

M4 = Poor automated baseline construction.

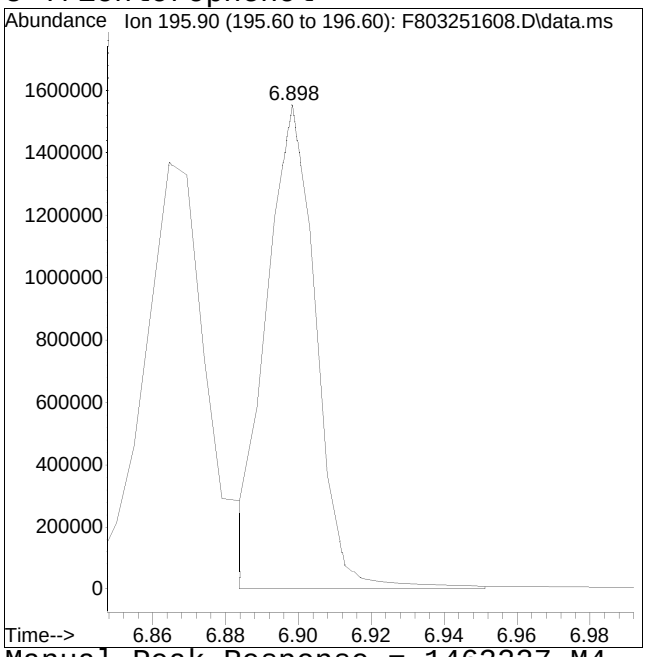
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251608.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 8:32 pm Instrument : BNA8
Sample : I803251607 Quant Date : 3/27/2016 4:06 pm

Compound #42: 2,4,5-Trichlorophenol



Original Peak Response = 1442124

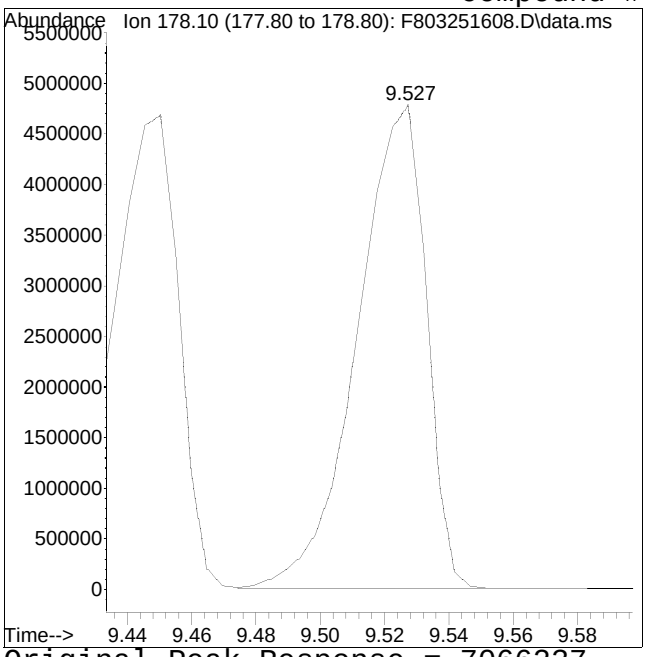


Manual Peak Response = 1463227 M4
M4 = Poor automated baseline construction.

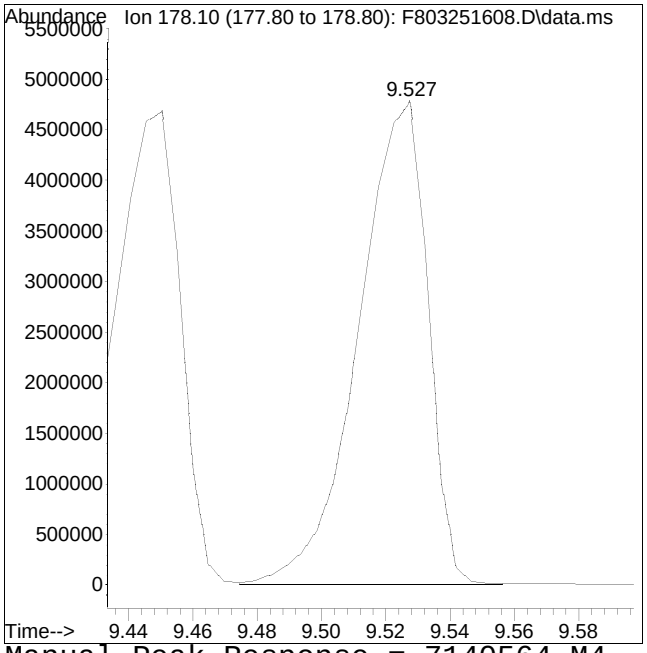
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251608.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 8:32 pm Instrument : BNA8
Sample : I803251607 Quant Date : 3/27/2016 4:06 pm

Compound #72: Anthracene



Original Peak Response = 7066237



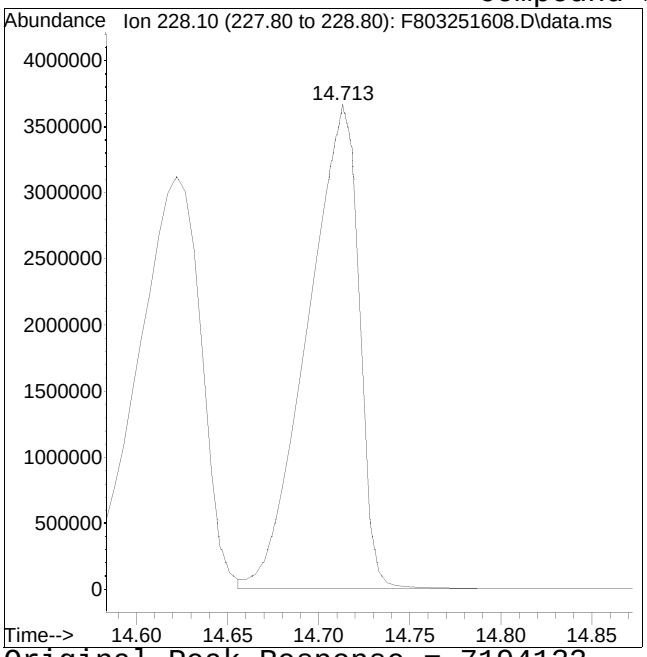
Manual Peak Response = 7140564 M4

M4 = Poor automated baseline construction.

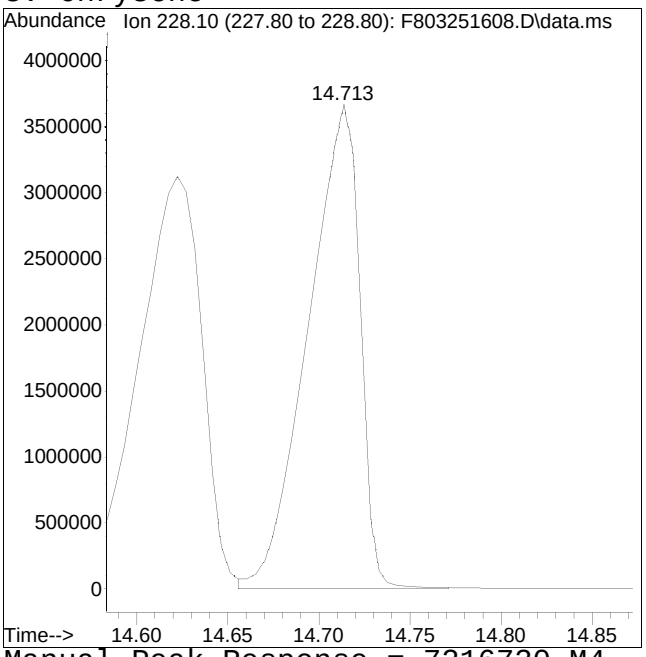
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251608.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 8:32 pm Instrument : BNA8
Sample : I803251607 Quant Date : 3/27/2016 4:06 pm

Compound #83: Chrysene



Original Peak Response = 7194133



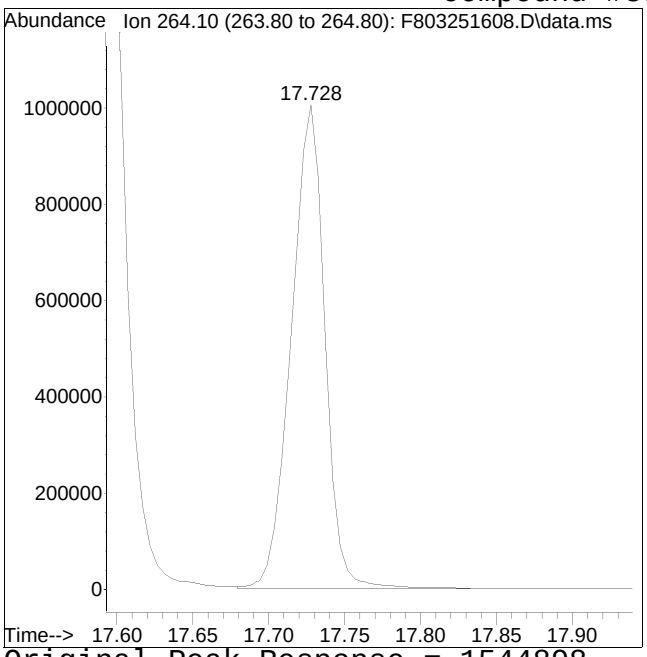
Manual Peak Response = 7216730 M4

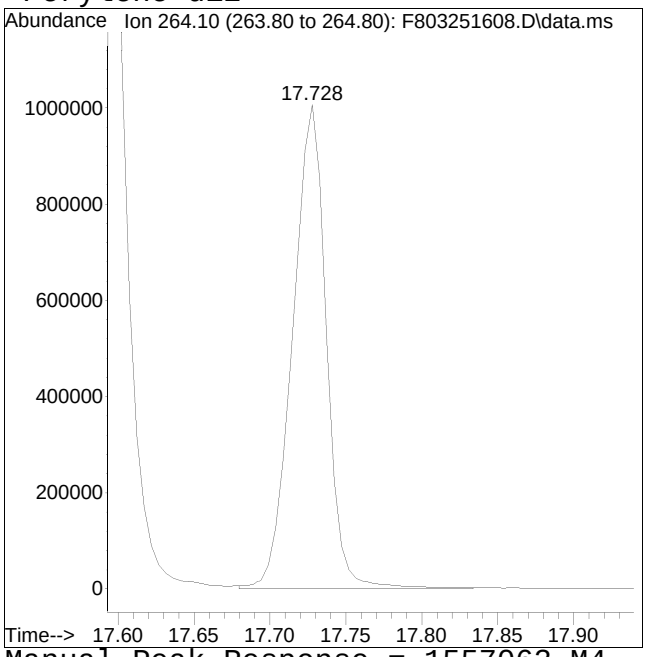
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251608.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 8:32 pm Instrument : BNA8
Sample : I803251607 Quant Date : 3/27/2016 4:06 pm

Compound #85: Perylene-d12



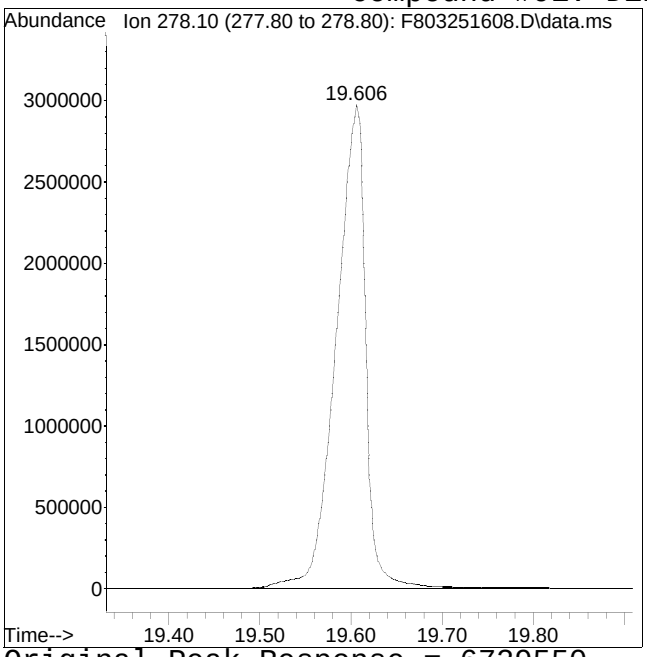


Original Peak Response = 1544898 Manual Peak Response = 1557063 M4
M4 = Poor automated baseline construction.

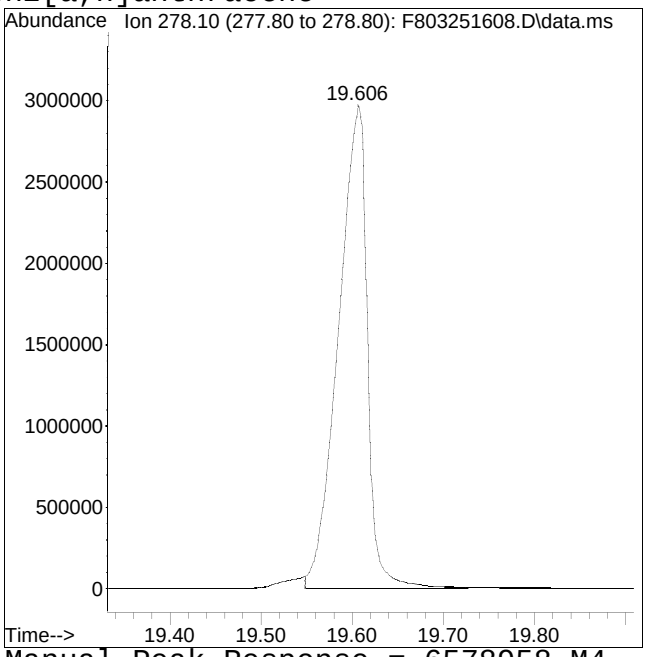
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251608.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 8:32 pm Instrument : BNA8
Sample : I803251607 Quant Date : 3/27/2016 4:06 pm

Compound #91: Dibenz[a,h]anthracene



Original Peak Response = 6729550



Manual Peak Response = 6578958 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251609.D
Acq On : 25 Mar 2016 9:03 pm
Operator : BNA8:ML
Sample : I803251608
Misc : WG877805,MSAI20,X2
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 27 16:06:21 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:06:16 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.760	152	455910	5.000	ug/mL	0.00
21) Naphthalene-d8	5.921	136	1718061	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.616	164	797177	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.416	188	1551103	5.000	ug/mL	0.02
76) Chrysene-d12	14.660	240	1394613	5.000	ug/mL	0.04
85) Perylene-d12	17.747	264	1468290M4	5.000	ug/mL	0.04
System Monitoring Compounds						
4) 2-Fluorophenol	3.701	112	4754698	46.965	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 234.83%#			
8) Phenol-d5	4.437	99	5704241	46.675	ug/mL	0.02
Spiked Amount 20.000	Range 10 - 94		Recovery = 233.37%#			
22) Nitrobenzene-d5	5.261	82	4328863M4	52.518	ug/mL	0.01
Spiked Amount 20.000	Range 35 - 114		Recovery = 262.59%#			
43) 2-Fluorobiphenyl	6.961	172	7406152	39.874	ug/mL	0.01
Spiked Amount 20.000	Range 43 - 116		Recovery = 199.37%#			
65) 2,4,6-Tribromophenol	8.497	330	1149258	60.464	ug/mL	0.02
Spiked Amount 20.000	Range 10 - 123		Recovery = 302.32%#			
79) Terphenyl-d14	12.349	244	8724705	48.932	ug/mL	0.02
Spiked Amount 20.000	Range 33 - 141		Recovery = 244.66%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.882	74	3207517M4	53.578	ug/mL	
3) Pyridine	2.853	79	6026644M4	54.191	ug/mL	
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.490	93	6899258	47.929	ug/ml	97
7) bis(2-Chloroethyl)ether	4.539	63	2820021	42.844	ug/mL	99
9) Phenol	4.457	94	5597918	43.183	ug/mL#	89
10) 2-Chlorophenol	4.582	128	5238328	46.911	ug/mL	100
11) 1,3-Dichlorobenzene	4.712	146	4987199	41.810	ug/mL	100
12) 1,4-Dichlorobenzene	4.774	146	4798690	40.343	ug/mL	100
13) 1,2-Dichlorobenzene	4.909	146	4475582	39.874	ug/mL	100
14) Benzyl alcohol	4.890	108	3317844	50.350	ug/mL	99
15) bis(2-chloroisopropyl)eth	4.996	45	4298745	38.485	ug/mL	97
16) 2-Methylphenol	4.972	108	3956698	44.812	ug/mL	100
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	5.208	117	1940786	42.220	ug/mL	91
19) N-Nitroso-di-n-propylamin	5.145	70	2995708M4	45.375	ug/mL	
20) 4-Methylphenol	5.126	108	4760476M4	50.751	ug/mL	

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251609.D
Acq On : 25 Mar 2016 9:03 pm
Operator : BNA8:ML
Sample : I803251608
Misc : WG877805,MSAI20,X2
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 27 16:06:21 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:06:16 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	5.285	77	4060404	47.447	ug/mL	94
24) Isophorone	5.516	82	6262145M4	40.755	ug/mL	
25) 2-Nitrophenol	5.569	139	2748306M4	49.861	ug/mL	
26) 2,4-Dimethylphenol	5.603	107	3724839	44.575	ug/mL	98
27) Benzoic acid	5.766	105	3546681M4	51.462	ug/mL	
28) bis(2-Chloroethoxy)methan	5.694	93	4849398M4	44.957	ug/mL	
29) 2,4-Dichlorophenol	5.791	162	3883892	48.050	ug/mL	99
30) 1,2,4-Trichlorobenzene	5.868	180	3796068	43.888	ug/mL	99
31) Naphthalene	5.945	128	10850435	38.264	ug/mL	98
32) 2-Chloroaniline	5.535	127	5947782	39.986	ug/ml	100
33) 4-Chloroaniline	5.998	127	5421041M4	44.383	ug/mL	
34) Hexachlorobutadiene	6.055	225	1913182	45.604	ug/mL	100
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	6.445	107	3604740	46.046	ug/mL	99
37) 2-Methylnaphthalene	6.604	142	7221016	38.971	ug/mL	98
39) 1,2,4,5-Tetrachlorobenzen	6.768	216	2948385	40.985	ug/mL	99
40) Hexachlorocyclopentadiene	6.754	237	2020629	52.154	ug/mL	99
41) 2,4,6-Trichlorophenol	6.874	196	3005401	54.561	ug/mL	100
42) 2,4,5-Trichlorophenol	6.903	196	2400653M4	43.978	ug/mL	
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	7.076	162	7064978	40.603	ug/mL	99
46) 2-Nitroaniline	7.182	65	2164821	59.784	ug/mL	98
47) Acenaphthylene	7.481	152	11217602	39.064	ug/mL	99
48) Dimethylphthalate	7.370	163	9063524	48.577	ug/mL	99
49) 2,6-Dinitrotoluene	7.428	165	2453102M4	49.959	ug/mL	
50) Acenaphthene	7.659	153	6725338	39.222	ug/mL	99
51) 3-Nitroaniline	7.591	138	2762718M4	49.943	ug/mL	
52) 2,4-Dinitrophenol	7.697	184	1753241	49.827	ug/mL#	90
53) Dibenzofuran	7.842	168	8387564	37.786	ug/mL	99
54) 2,3,4,6-Tetrachlorophenol	7.962	232	2009829	59.103	ug/mL	96
55) 2,4-Dinitrotoluene	7.837	165	2384556	49.484	ug/mL	92
56) 4-Nitrophenol	7.765	109	1290068M4	51.042	ug/mL	
57) Fluorene	8.217	166	6467629	35.492	ug/mL	99
58) 4-Chlorophenyl-phenylethe	8.213	204	2838475	36.118	ug/mL	99
59) Diethylphthalate	8.102	149	8423332M4	42.734	ug/mL	
60) 4-Nitroaniline	8.280	138	2828100M4	50.038	ug/mL	
62) 4,6-Dinitro-2-methylpheno	8.299	198	1963086M4	49.943	ug/mL	
63) Azobenzene	8.405	182	2510417	46.482	ug/mL	87
64) n-Nitrosodiphenylamine	8.362	169	6113616M4	43.447	ug/mL	
66) 4-Bromophenyl-phenylether	8.810	248	2384303	48.520	ug/mL	98
67) Hexachlorobenzene	8.882	284	2421663	48.502	ug/mL	97

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251609.D
Acq On : 25 Mar 2016 9:03 pm
Operator : BNA8:ML
Sample : I803251608
Misc : WG877805,MSAI20,X2
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 27 16:06:21 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:06:16 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Atrazine	0.000		0	N.D. d		
69) Pentachlorophenol	9.147	266	2147212	50.257	ug/mL	99
70) Pentachloronitrobenzene	9.171	237	955418	49.835	ug/ml	92
71) Phenanthrene	9.465	178	11884287	42.105	ug/mL	99
72) Anthracene	9.542	178	11746243M4	40.906	ug/mL	
73) Carbazole	9.792	167	12211919	43.441	ug/mL	98
74) Di-n-butylphthalate	10.413	149	14241551	40.981	ug/mL	99
75) Fluoranthene	11.521	202	12703115M4	42.577	ug/mL	
77) Benzidine	0.000		0	N.D.		
78) Pyrene	11.959	202	13955955	46.297	ug/mL	98
80) Butylbenzylphthalate	13.538	149	8022427	52.691	ug/mL	98
81) 3,3'-Dichlorobenzidine	0.000		0	N.D. d		
82) Benz[a]anthracene	14.646	228	13949930	50.592	ug/mL	99
83) Chrysene	14.742	228	12738853	47.972	ug/mL	99
84) bis(2-Ethylhexyl)phthalat	15.002	149	10351153	50.616	ug/mL#	98
86) Di-n-octylphthalate	16.529	149	17671453	47.095	ug/mL	100
87) Benzo[b]fluoranthene	17.044	252	16167515M1	57.712	ug/mL	
88) Benzo[k]fluoranthene	17.106	252	10848494	39.882	ug/mL	98
89) Benzo[a]pyrene	17.680	252	12893406M4	47.926	ug/mL	
90) Indeno[1,2,3-cd]pyrene	19.582	276	14239740	59.857	ug/mL	98
91) Dibenz[a,h]anthracene	19.639	278	12253654M4	51.616	ug/mL	
92) Benzo[g,h,i]perylene	20.015	276	12809929	51.172	ug/mL	97

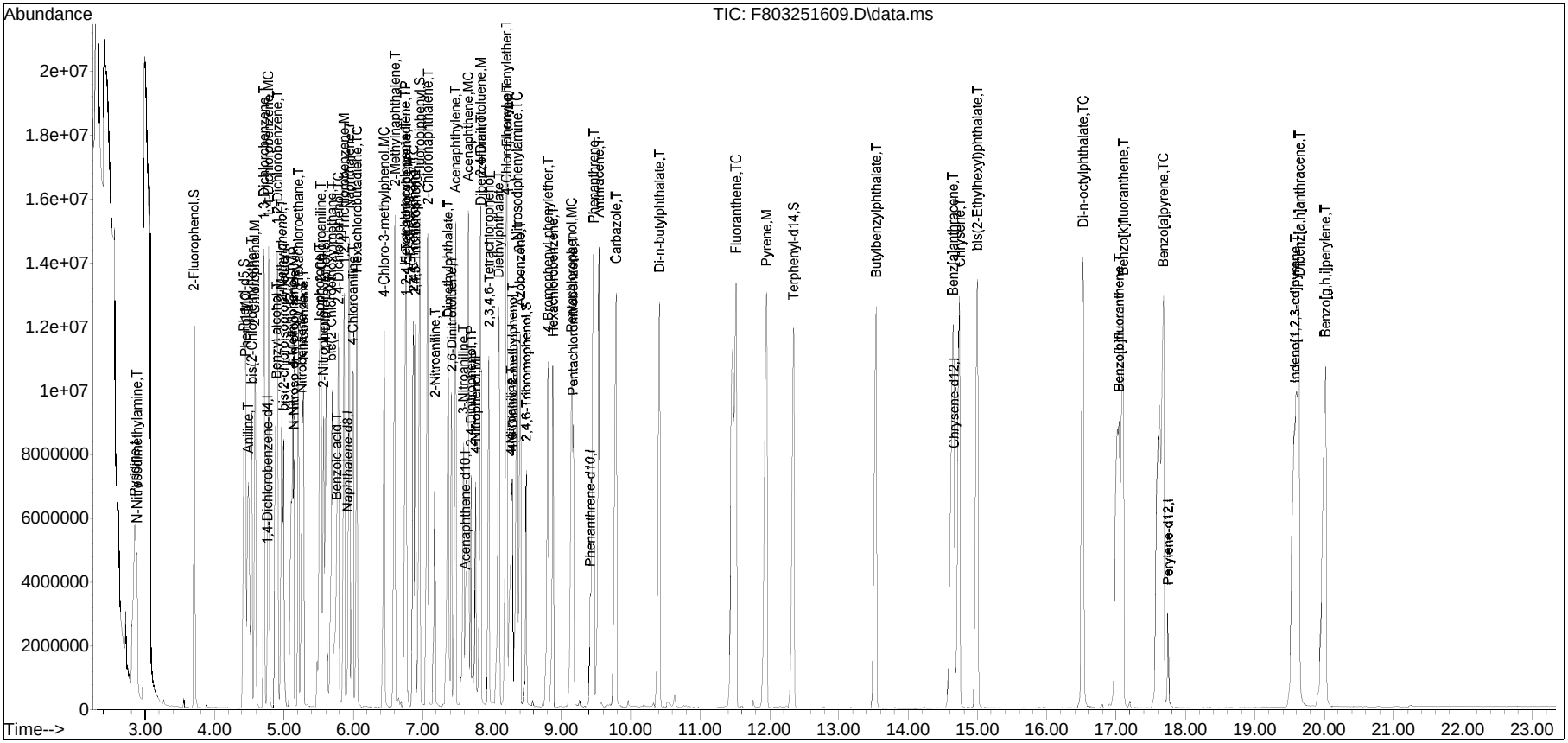
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251609.D
Acq On : 25 Mar 2016 9:03 pm
Operator : BNA8:ML
Sample : I803251608
Misc : WG877805,MSAI20,X2
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 27 16:06:21 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:06:16 2016
Response via : Initial Calibration

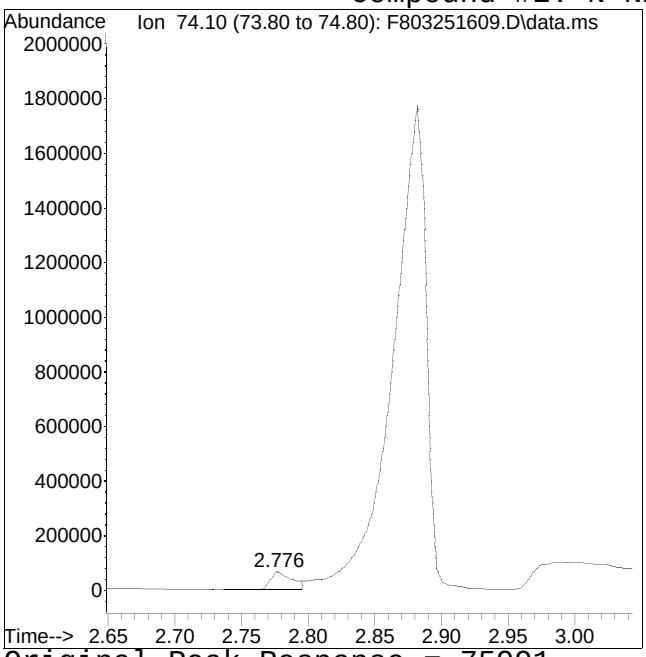
Sub List : Default - All compounds listed

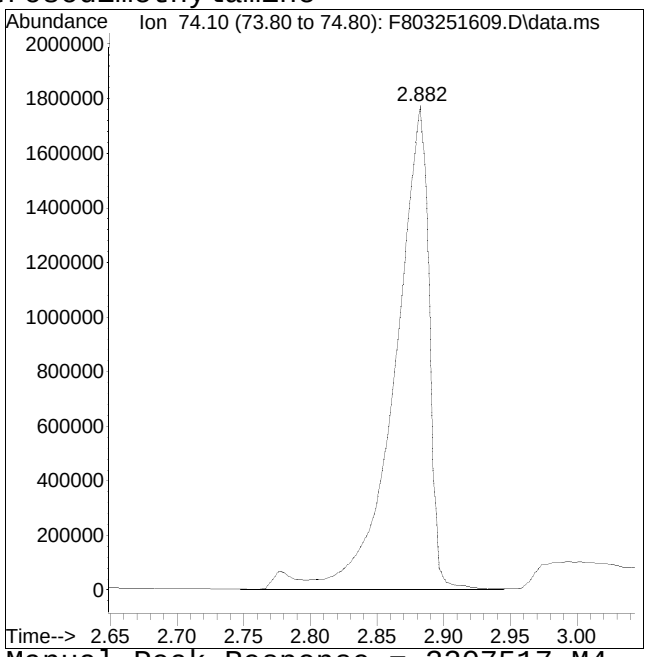


Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251609.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 9:03 pm Instrument : BNA8
Sample : I803251608 Quant Date : 3/27/2016 4:06 pm

Compound #2: N-Nitrosodimethylamine



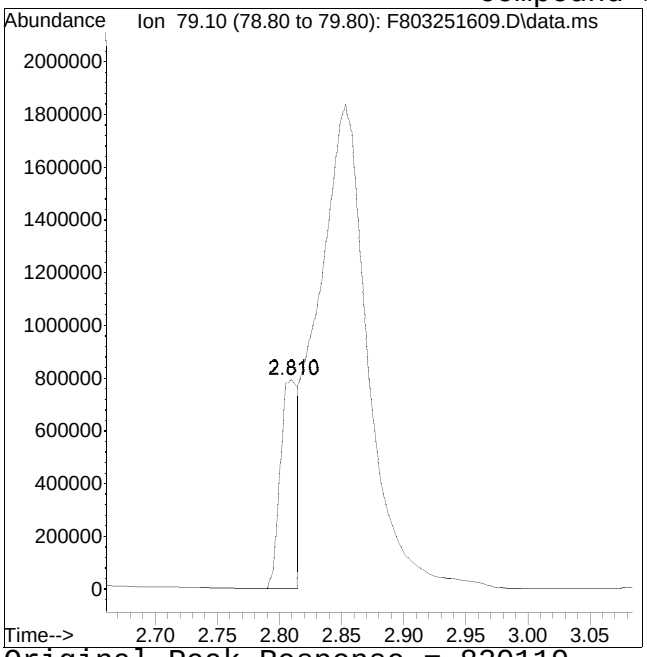


Original Peak Response = 75991 Manual Peak Response = 3207517 M4
M4 = Poor automated baseline construction.

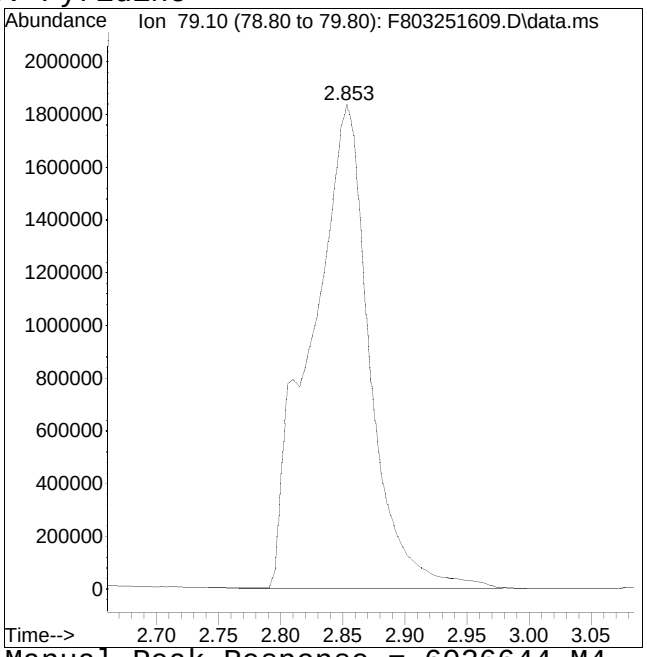
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251609.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 9:03 pm Instrument : BNA8
Sample : I803251608 Quant Date : 3/27/2016 4:06 pm

Compound #3: Pyridine



Original Peak Response = 820119



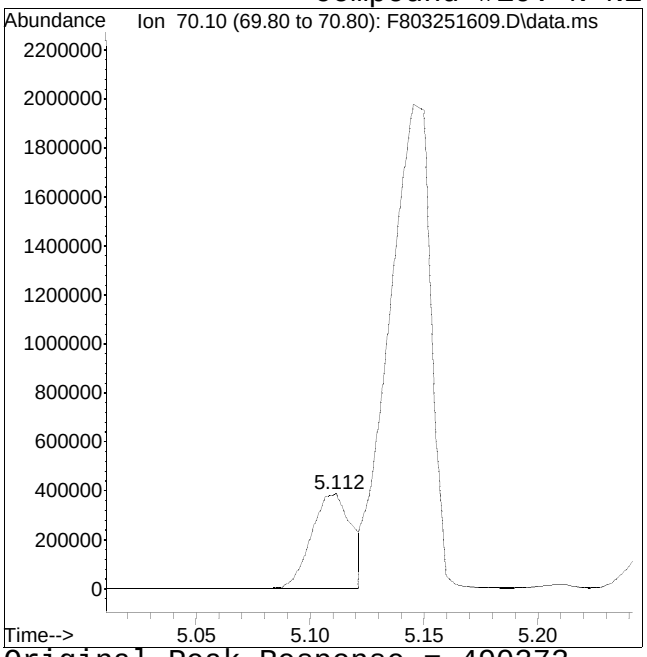
Manual Peak Response = 6026644 M4

M4 = Poor automated baseline construction.

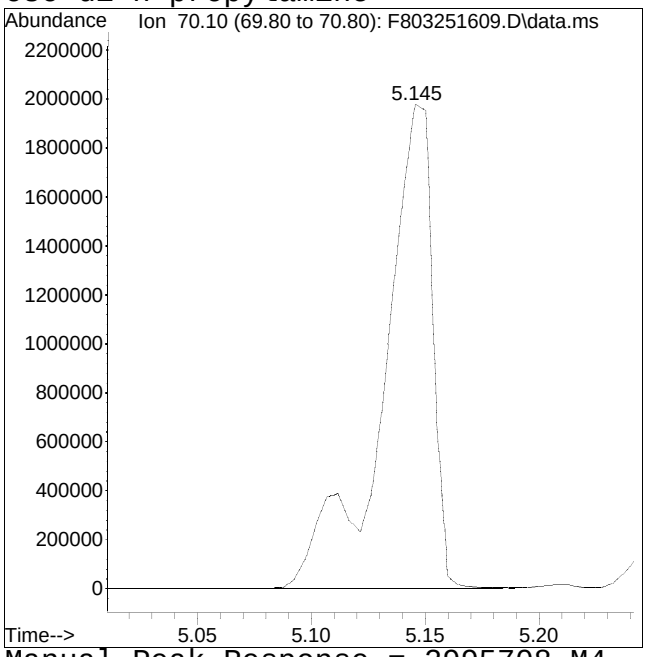
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251609.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 9:03 pm Instrument : BNA8
Sample : I803251608 Quant Date : 3/27/2016 4:06 pm

Compound #19: N-Nitroso-di-n-propylamine



Original Peak Response = 490373



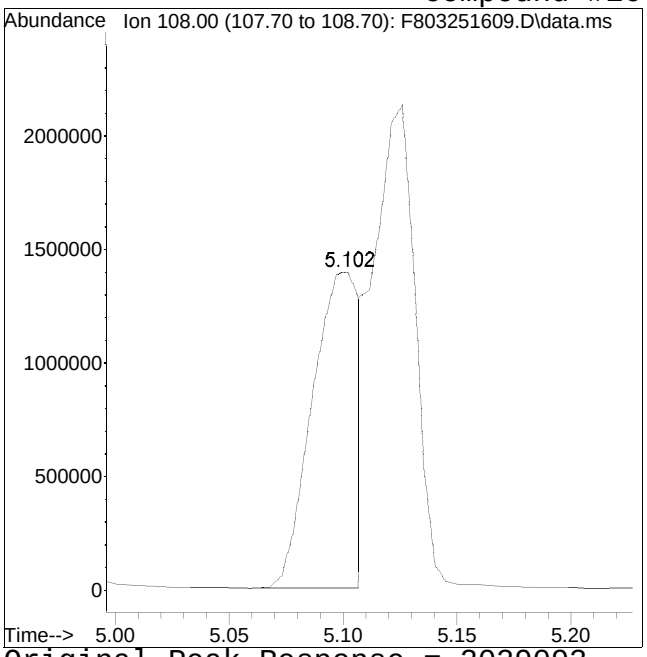
Manual Peak Response = 2995708 M4

M4 = Poor automated baseline construction.

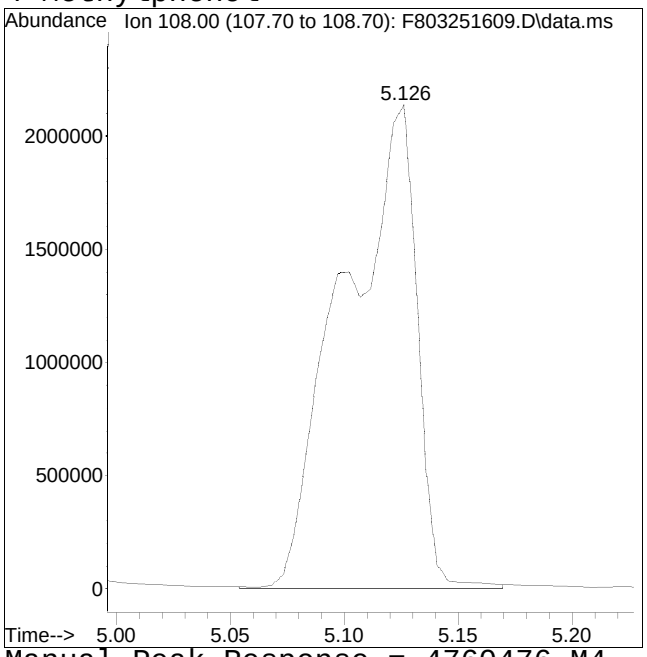
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251609.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 9:03 pm Instrument : BNA8
Sample : I803251608 Quant Date : 3/27/2016 4:06 pm

Compound #20: 4-Methylphenol



Original Peak Response = 2029093



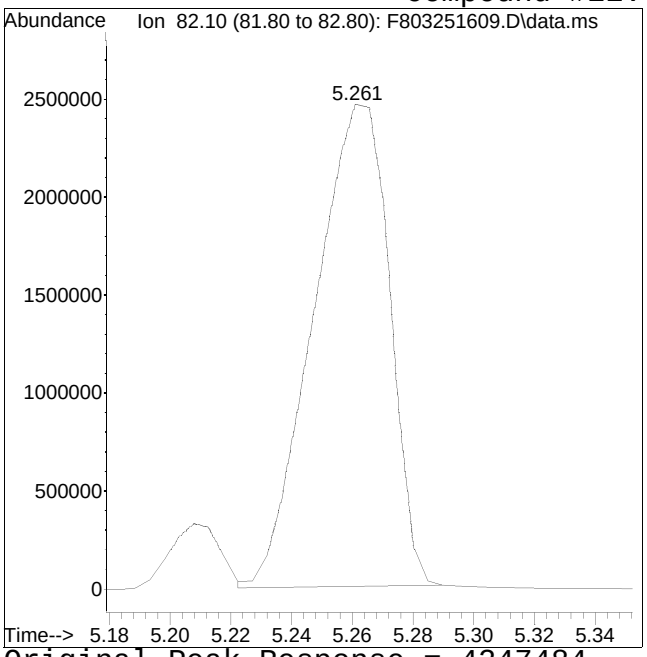
Manual Peak Response = 4760476 M4

M4 = Poor automated baseline construction.

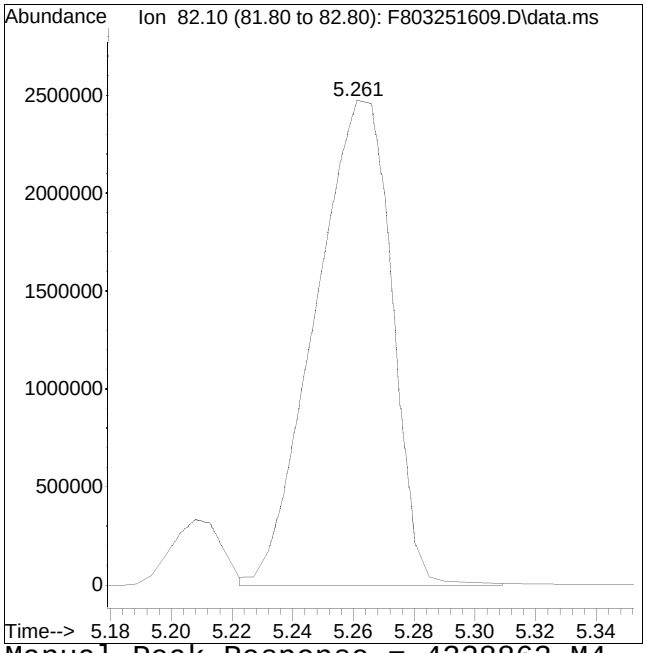
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251609.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 9:03 pm Instrument : BNA8
Sample : I803251608 Quant Date : 3/27/2016 4:06 pm

Compound #22: Nitrobenzene-d5



Original Peak Response = 4247484



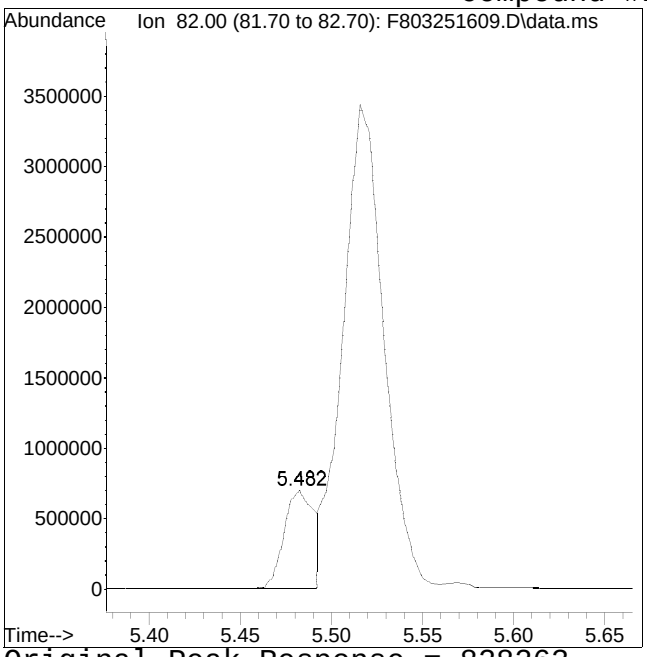
Manual Peak Response = 4328863 M4

M4 = Poor automated baseline construction.

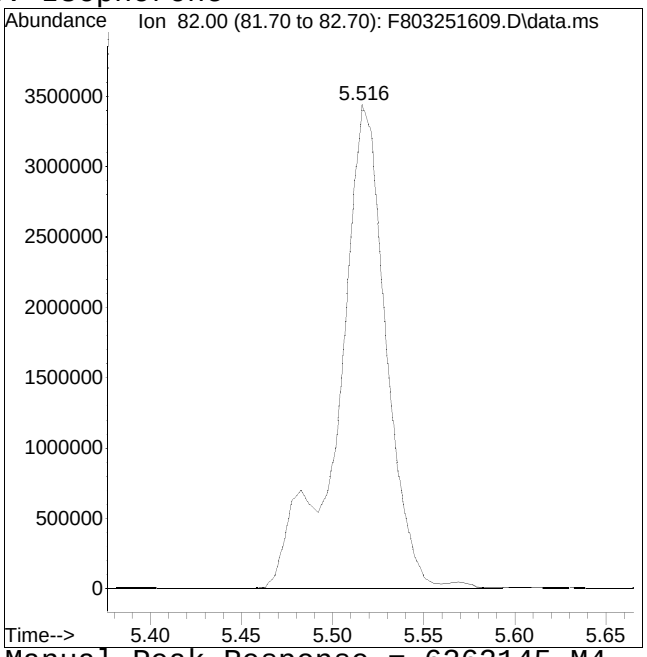
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251609.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 9:03 pm Instrument : BNA8
Sample : I803251608 Quant Date : 3/27/2016 4:06 pm

Compound #24: Isophorone



Original Peak Response = 828263



Manual Peak Response = 6262145 M4

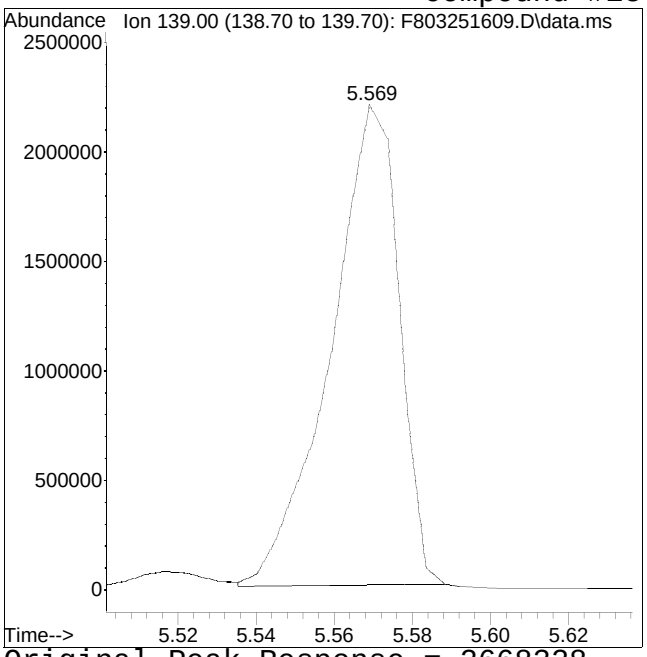
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

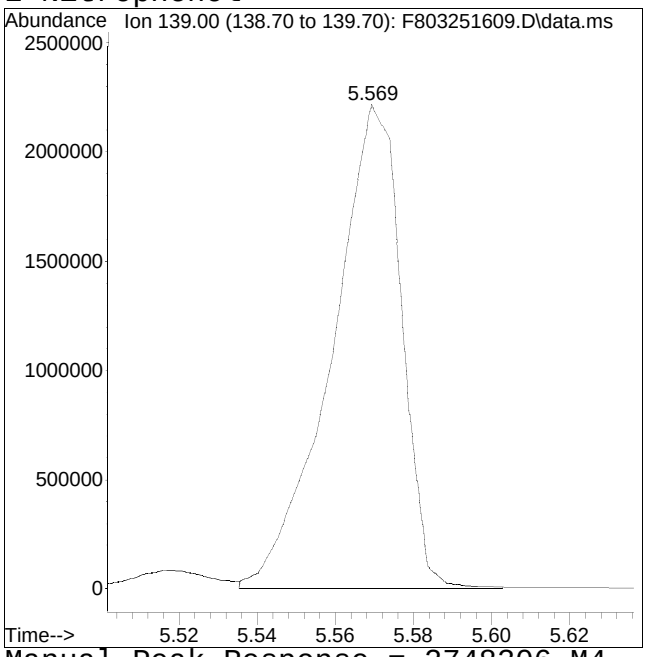
Data Path : O:\Organics\DATA\BNA8\2016\
Data File : F803251609.D
Date Inj'd : 3/25/2016 9:03 pm
Sample : I803251608

QMethod : SV0325BNA8.M
Operator : BNA8:ML
Instrument : BNA8
Quant Date : 3/27/2016 4:06 pm

Compound #25: 2-Nitrophenol



Original Peak Response = 2668328



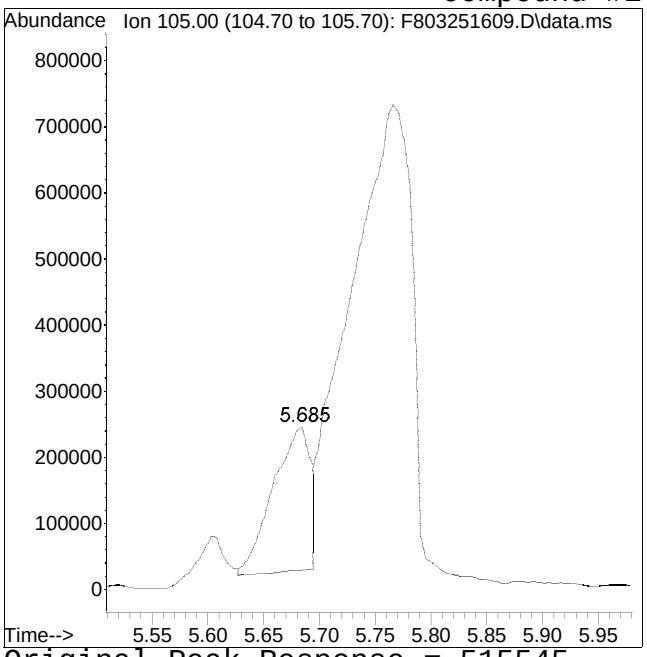
Manual Peak Response = 2748306 M4

M4 = Poor automated baseline construction.

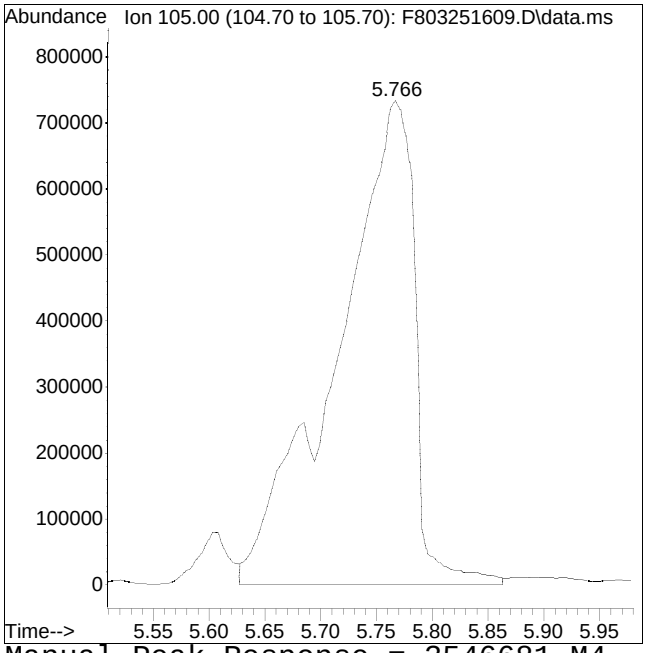
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251609.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 9:03 pm Instrument : BNA8
Sample : I803251608 Quant Date : 3/27/2016 4:06 pm

Compound #27: Benzoic acid



Original Peak Response = 515545



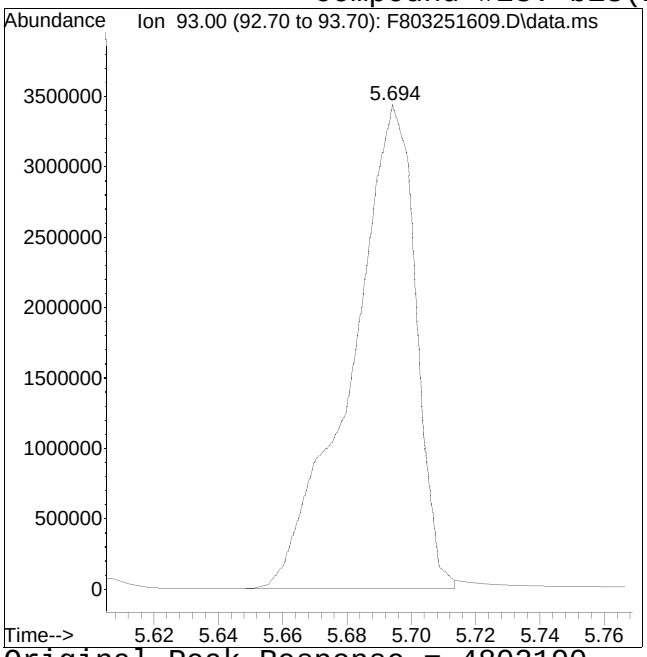
Manual Peak Response = 3546681 M4

M4 = Poor automated baseline construction.

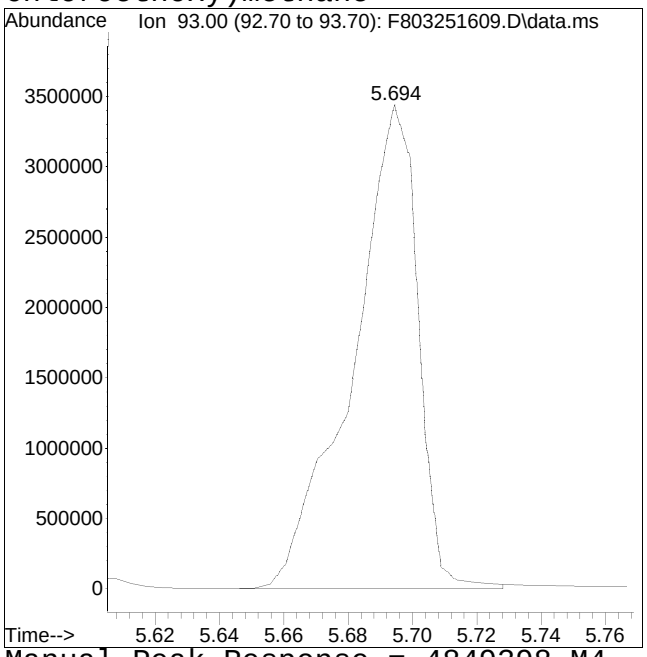
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251609.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 9:03 pm Instrument : BNA8
Sample : I803251608 Quant Date : 3/27/2016 4:06 pm

Compound #28: bis(2-Chloroethoxy)methane



Original Peak Response = 4802190



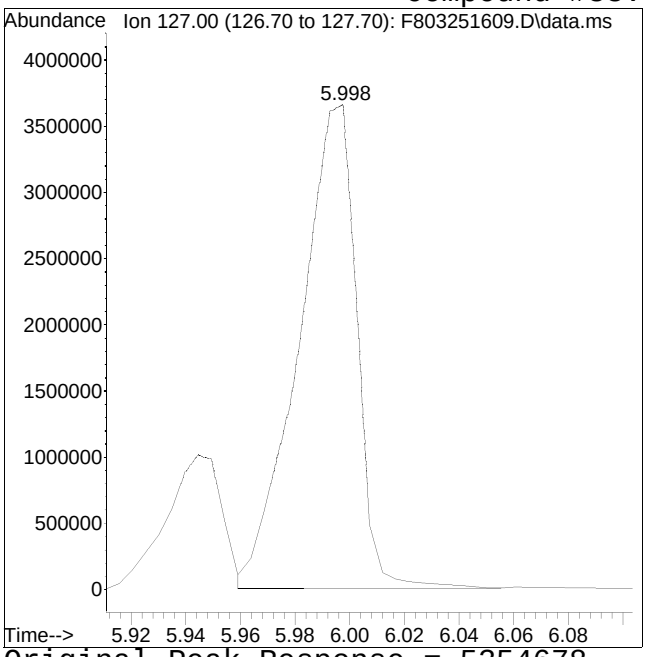
Manual Peak Response = 4849398 M4

M4 = Poor automated baseline construction.

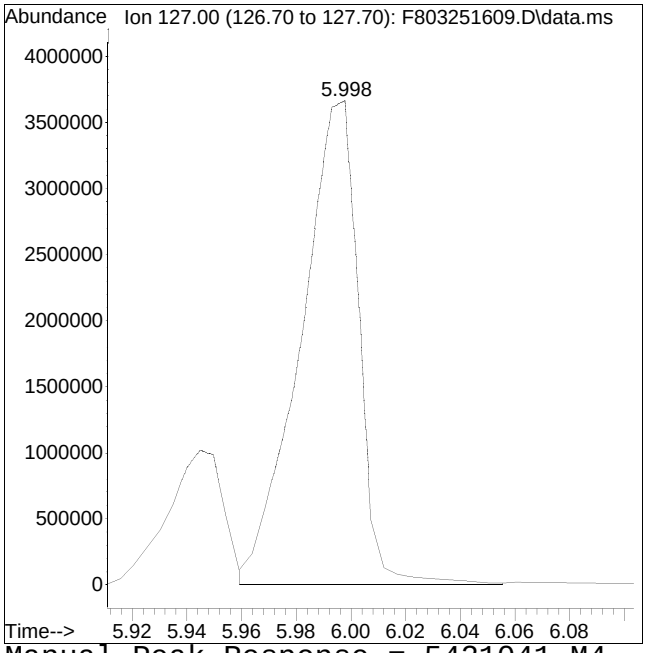
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251609.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 9:03 pm Instrument : BNA8
Sample : I803251608 Quant Date : 3/27/2016 4:06 pm

Compound #33: 4-Chloroaniline



Original Peak Response = 5354678



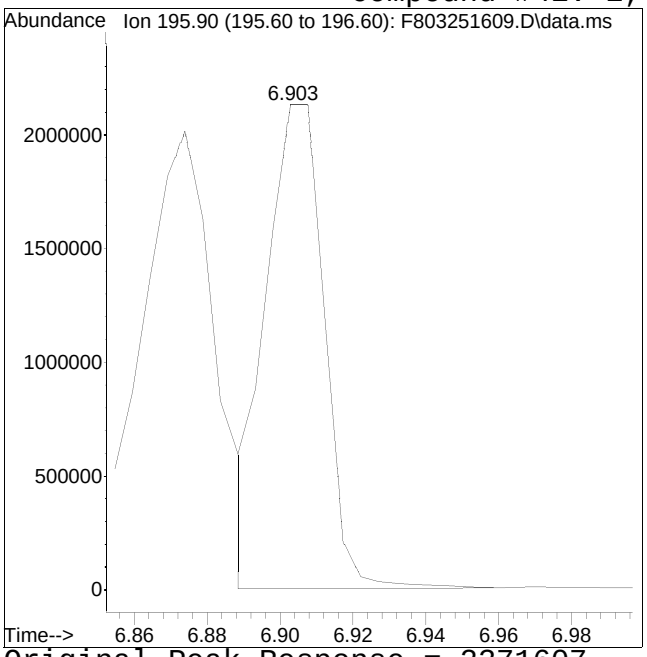
Manual Peak Response = 5421041 M4

M4 = Poor automated baseline construction.

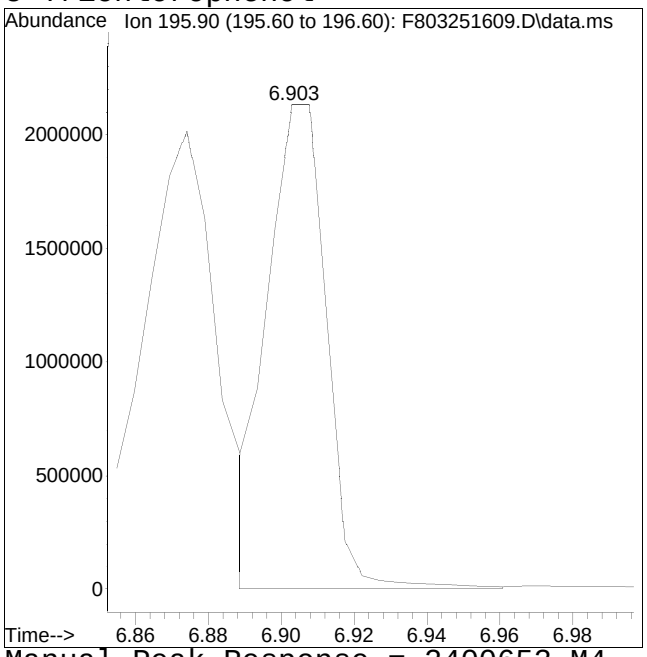
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251609.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 9:03 pm Instrument : BNA8
Sample : I803251608 Quant Date : 3/27/2016 4:06 pm

Compound #42: 2,4,5-Trichlorophenol



Original Peak Response = 2371607



Manual Peak Response = 2400653 M4

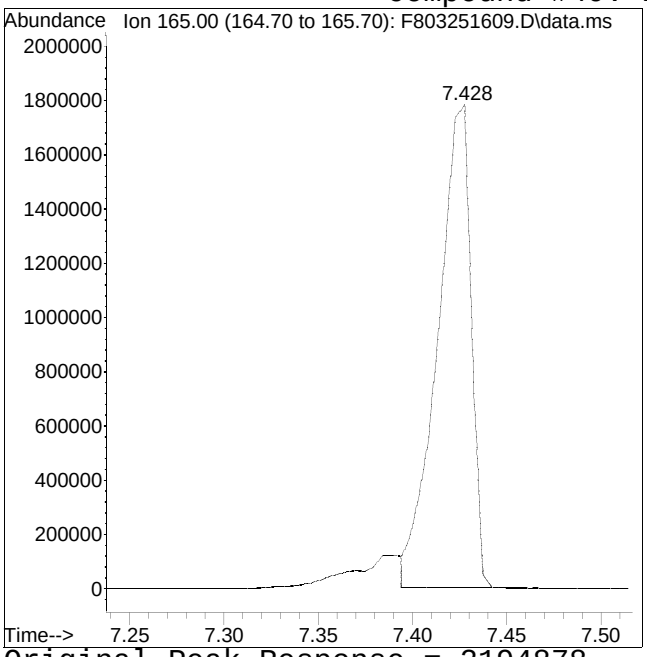
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

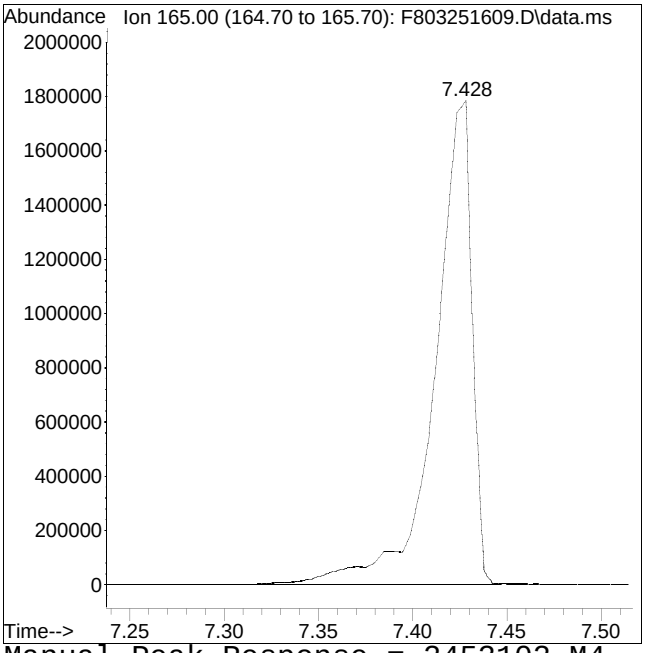
Data Path : O:\Organics\DATA\BNA8\2016\
Data File : F803251609.D
Date Inj'd : 3/25/2016 9:03 pm
Sample : I803251608

QMethod : SV0325BNA8.M
Operator : BNA8:ML
Instrument : BNA8
Quant Date : 3/27/2016 4:06 pm

Compound #49: 2,6-Dinitrotoluene



Original Peak Response = 2194878



Manual Peak Response = 2453102 M4

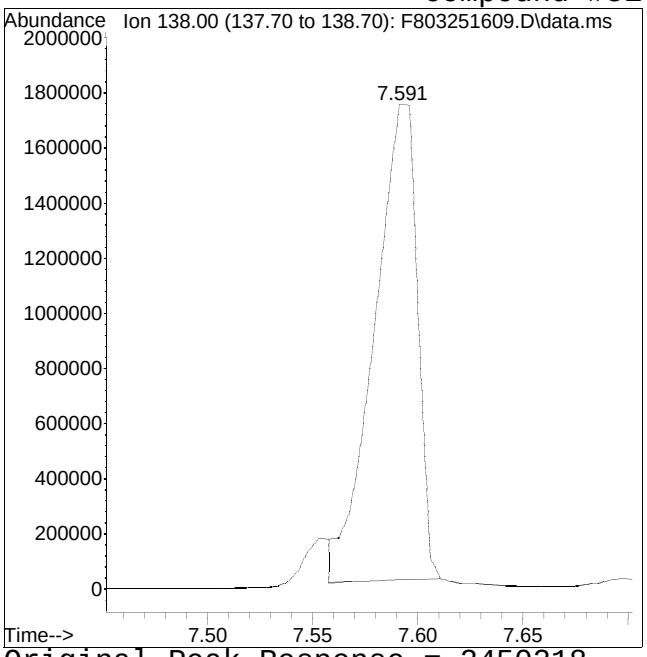
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

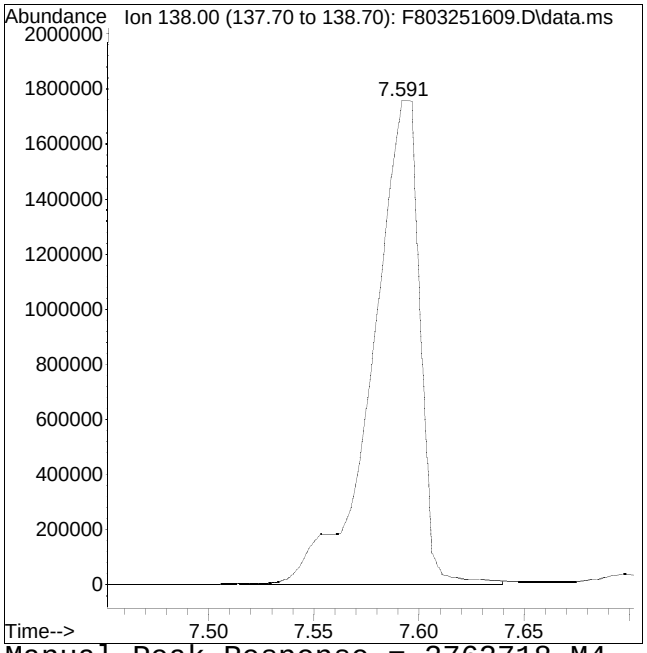
Data Path : O:\Organics\DATA\BNA8\2016\
Data File : F803251609.D
Date Inj'd : 3/25/2016 9:03 pm
Sample : I803251608

QMethod : SV0325BNA8.M
Operator : BNA8:ML
Instrument : BNA8
Quant Date : 3/27/2016 4:06 pm

Compound #51: 3-Nitroaniline



Original Peak Response = 2450218



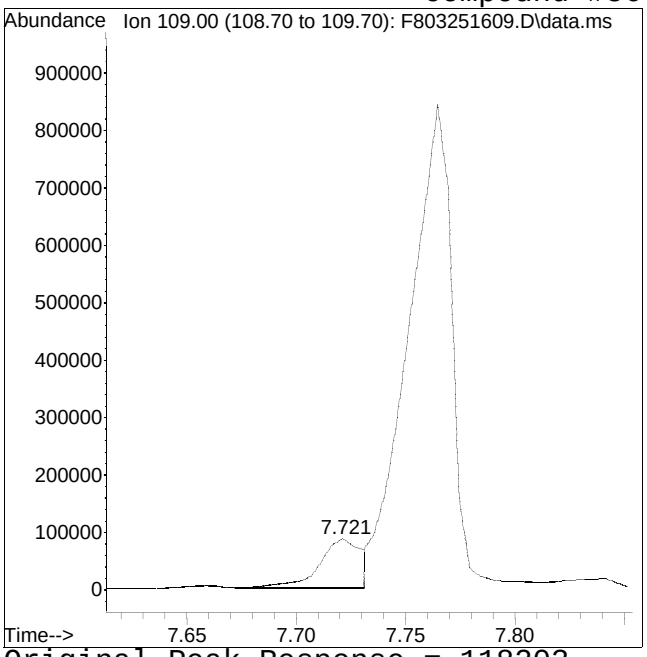
Manual Peak Response = 2762718 M4

M4 = Poor automated baseline construction.

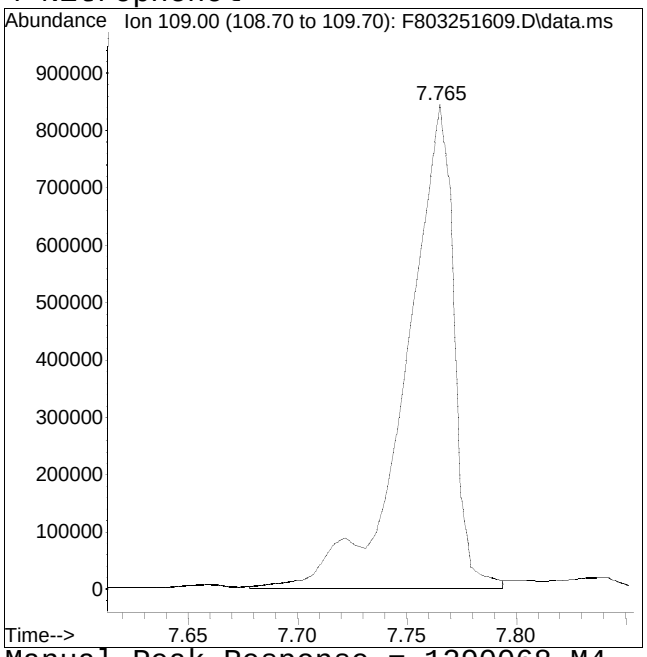
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251609.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 9:03 pm Instrument : BNA8
Sample : I803251608 Quant Date : 3/27/2016 4:06 pm

Compound #56: 4-Nitrophenol



Original Peak Response = 118203



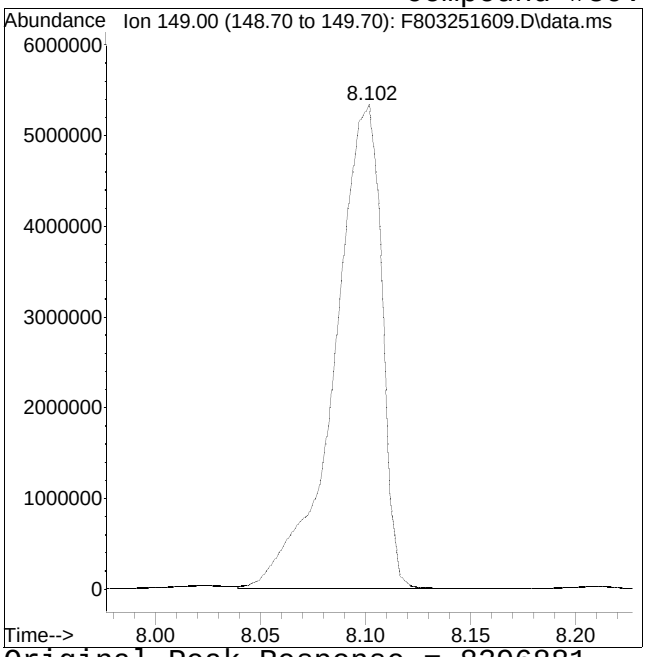
Manual Peak Response = 1290068 M4

M4 = Poor automated baseline construction.

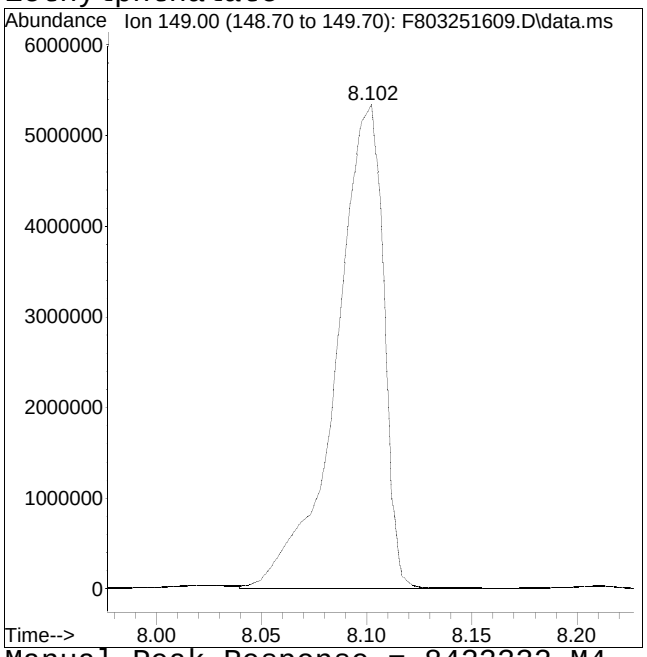
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251609.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 9:03 pm Instrument : BNA8
Sample : I803251608 Quant Date : 3/27/2016 4:06 pm

Compound #59: Diethylphthalate



Original Peak Response = 8396881



Manual Peak Response = 8423332 M4

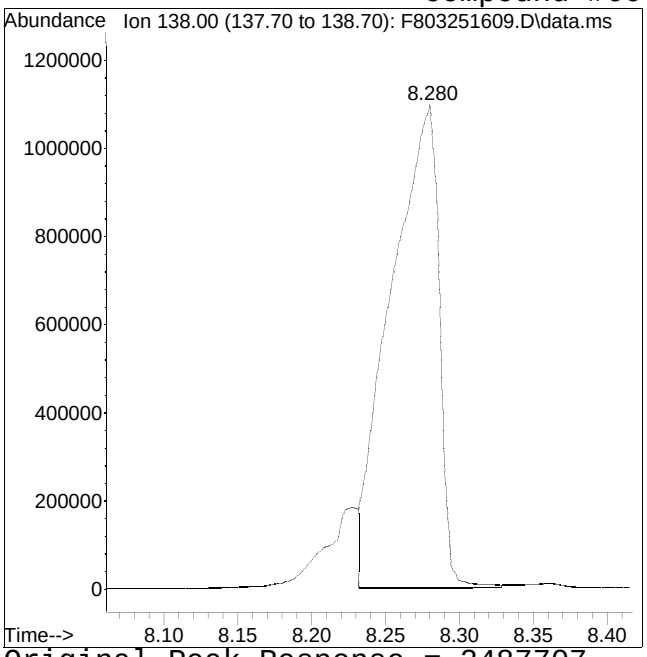
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

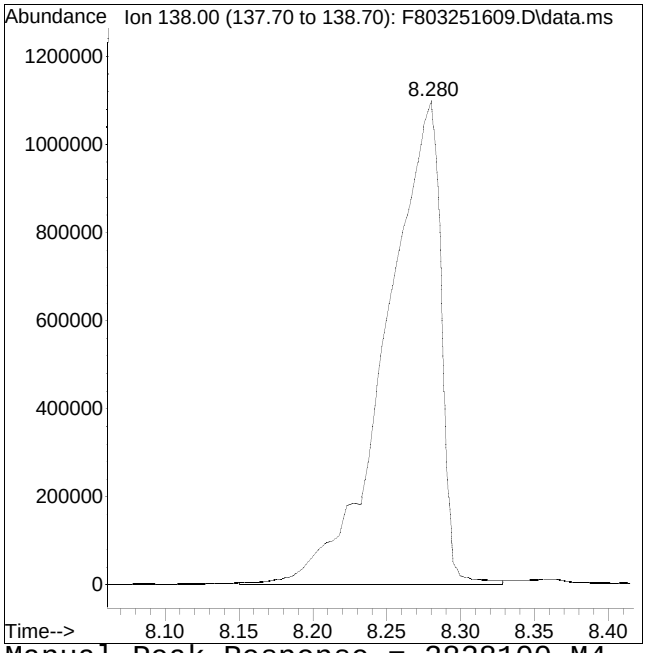
Data Path : O:\Organics\DATA\BNA8\2016\
Data File : F803251609.D
Date Inj'd : 3/25/2016 9:03 pm
Sample : I803251608

QMethod : SV0325BNA8.M
Operator : BNA8:ML
Instrument : BNA8
Quant Date : 3/27/2016 4:06 pm

Compound #60: 4-Nitroaniline



Original Peak Response = 2487707



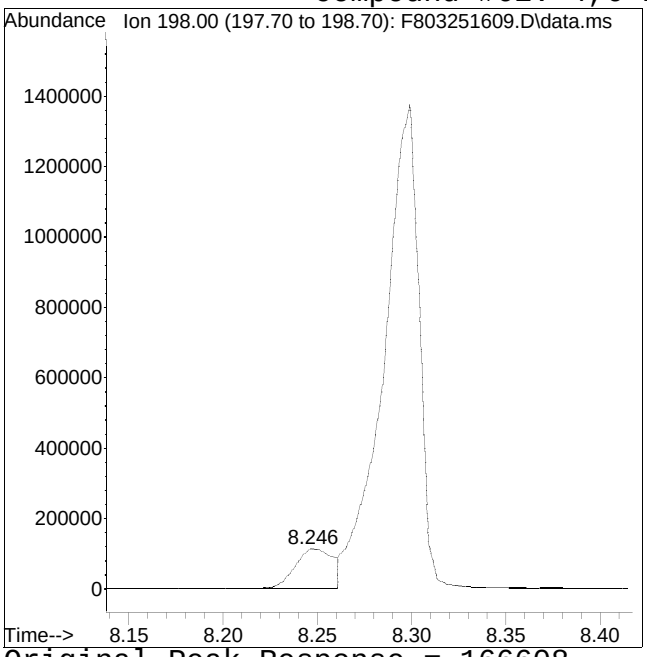
Manual Peak Response = 2828100 M4

M4 = Poor automated baseline construction.

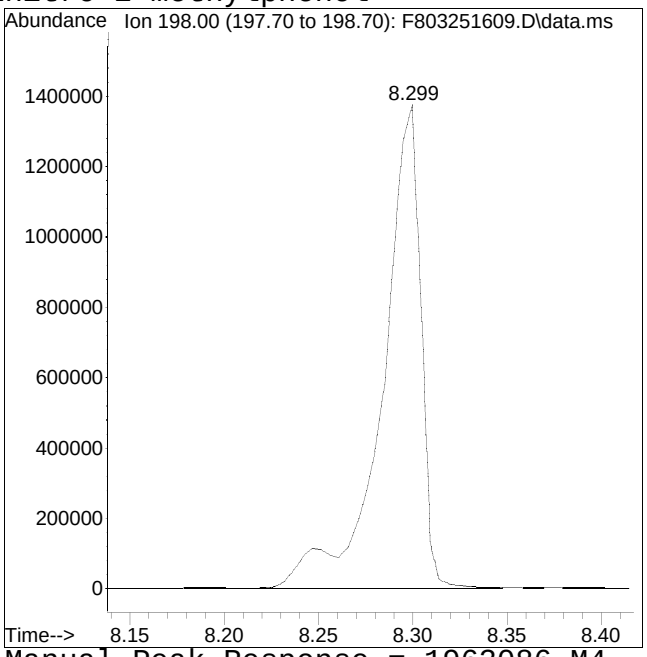
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251609.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 9:03 pm Instrument : BNA8
Sample : I803251608 Quant Date : 3/27/2016 4:06 pm

Compound #62: 4,6-Dinitro-2-methylphenol



Original Peak Response = 166608



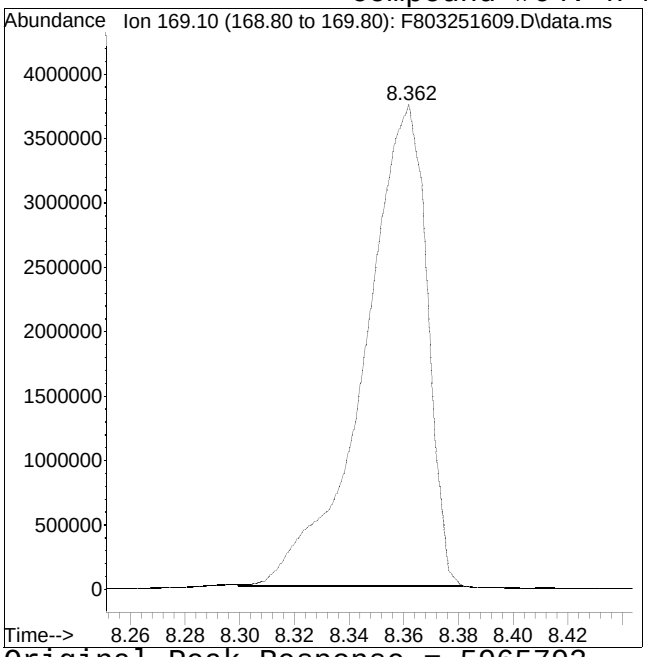
Manual Peak Response = 1963086 M4

M4 = Poor automated baseline construction.

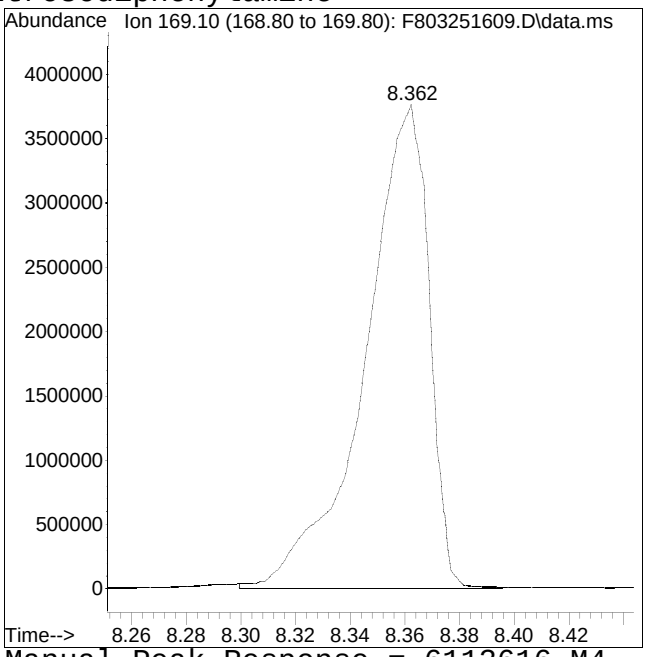
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251609.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 9:03 pm Instrument : BNA8
Sample : I803251608 Quant Date : 3/27/2016 4:06 pm

Compound #64: n-Nitrosodiphenylamine



Original Peak Response = 5965793



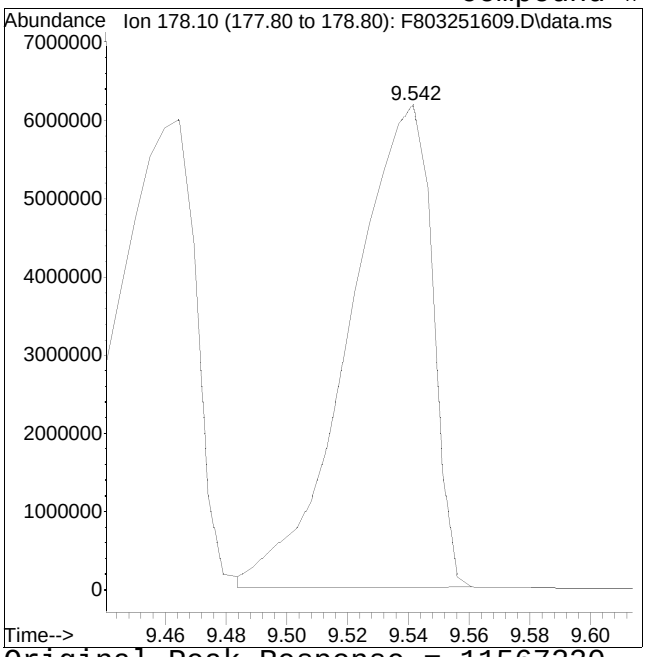
Manual Peak Response = 6113616 M4

M4 = Poor automated baseline construction.

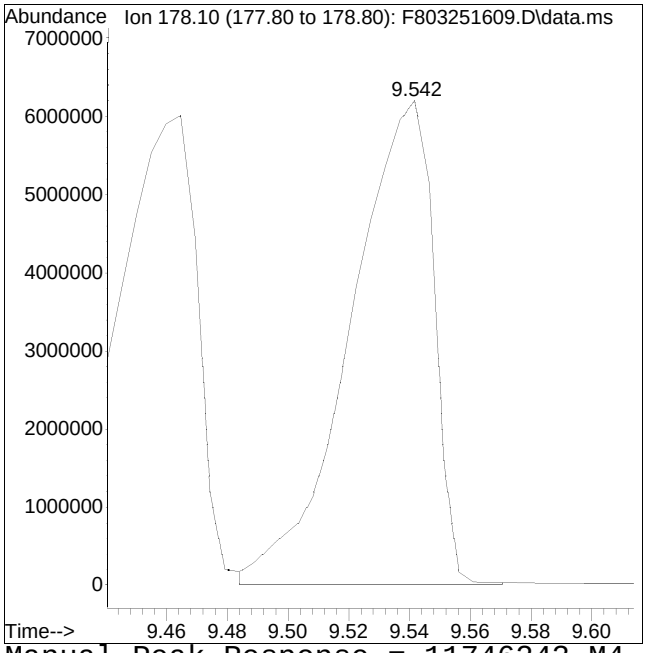
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251609.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 9:03 pm Instrument : BNA8
Sample : I803251608 Quant Date : 3/27/2016 4:06 pm

Compound #72: Anthracene



Original Peak Response = 11567230



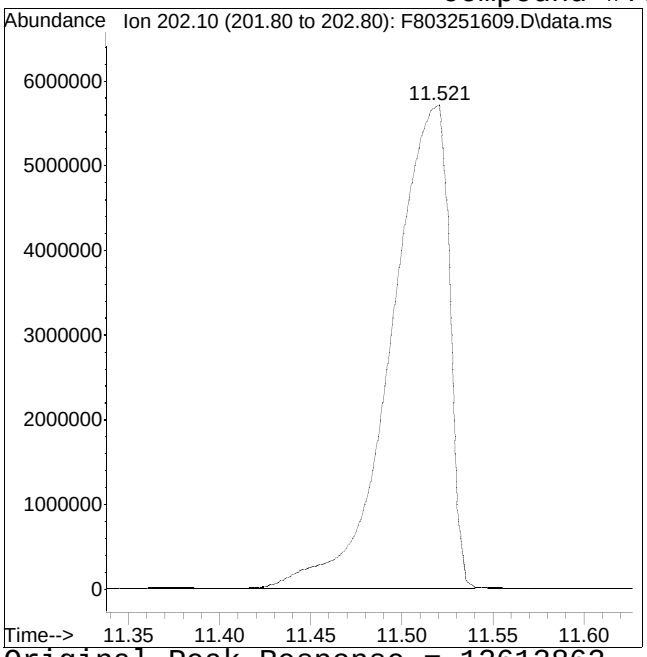
Manual Peak Response = 11746243 M4

M4 = Poor automated baseline construction.

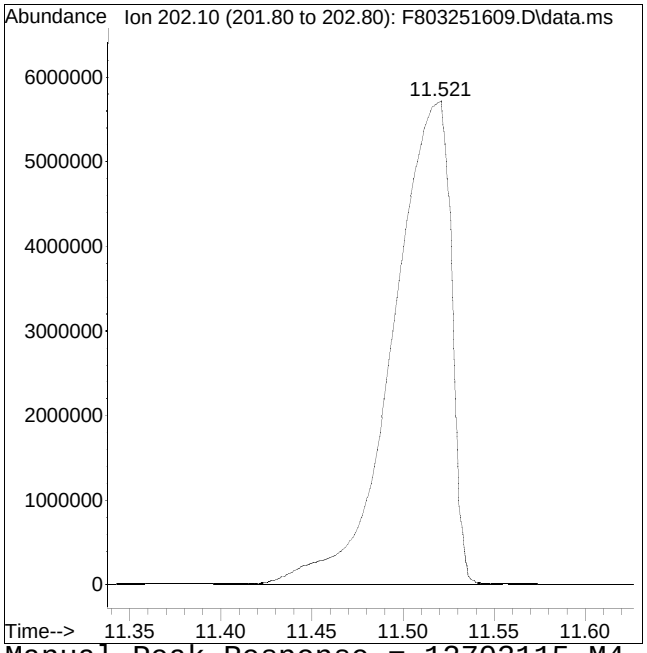
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251609.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 9:03 pm Instrument : BNA8
Sample : I803251608 Quant Date : 3/27/2016 4:06 pm

Compound #75: Fluoranthene



Original Peak Response = 12613862



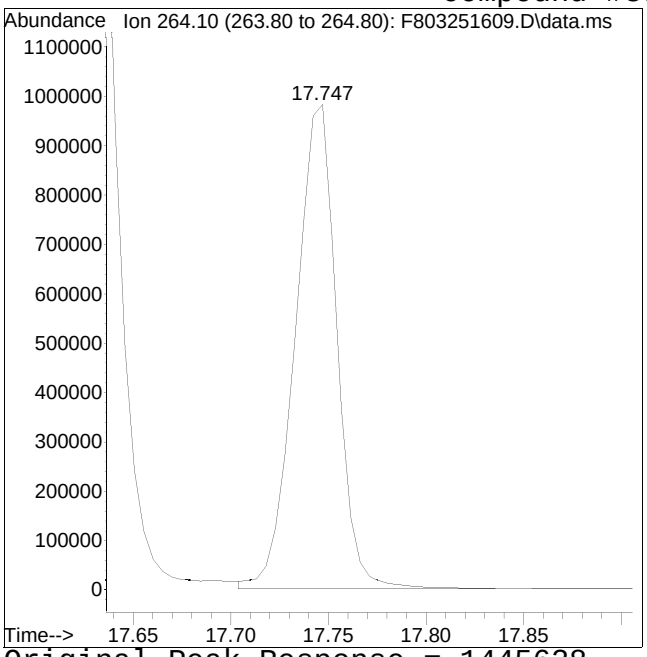
Manual Peak Response = 12703115 M4

M4 = Poor automated baseline construction.

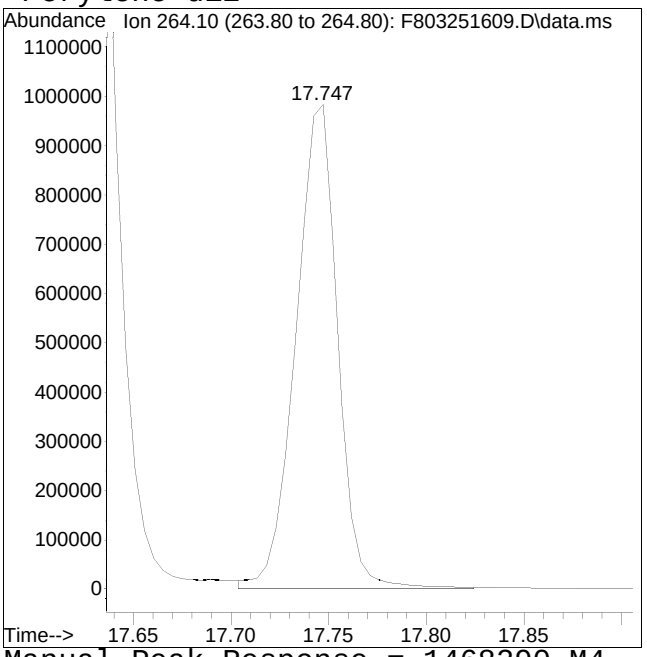
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251609.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 9:03 pm Instrument : BNA8
Sample : I803251608 Quant Date : 3/27/2016 4:06 pm

Compound #85: Perylene-d12



Original Peak Response = 1445628



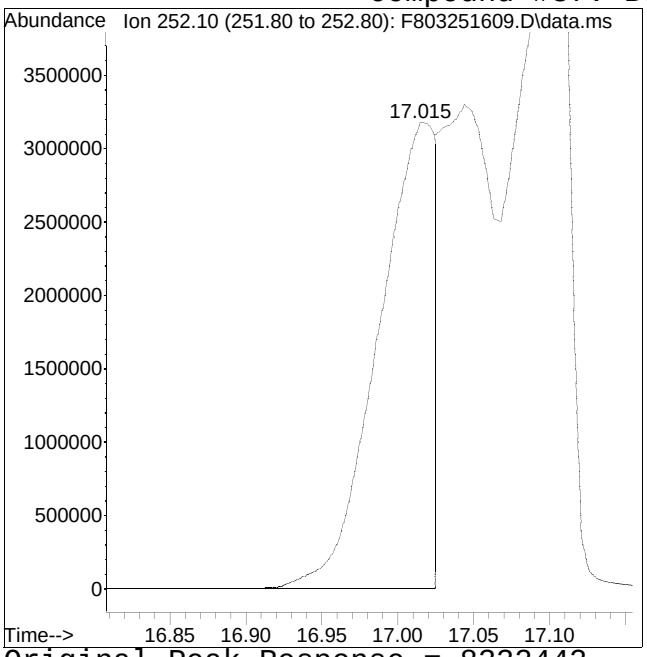
Manual Peak Response = 1468290 M4

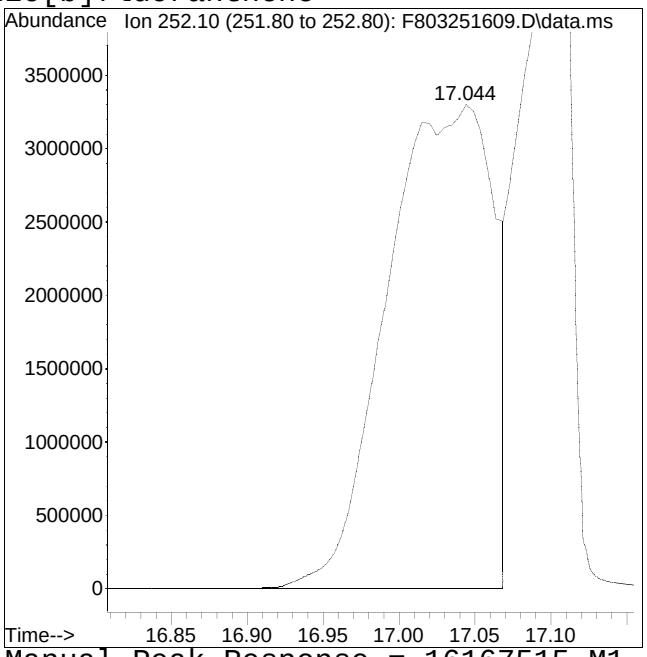
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251609.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 9:03 pm Instrument : BNA8
Sample : I803251608 Quant Date : 3/27/2016 4:06 pm

Compound #87: Benzo[b]fluoranthene



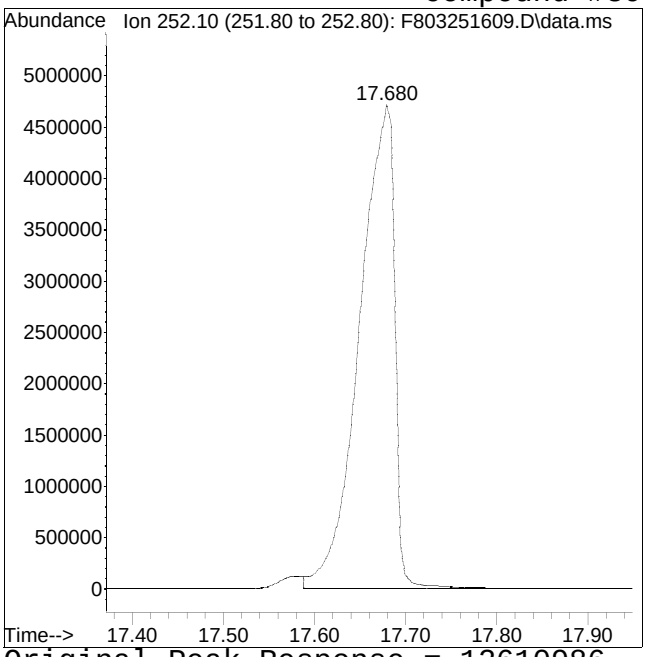


Original Peak Response = 8332442 Manual Peak Response = 16167515 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

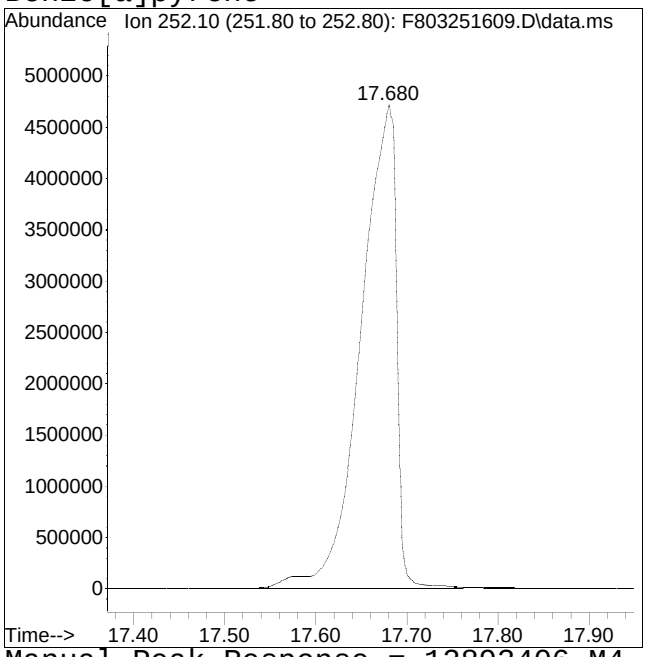
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251609.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 9:03 pm Instrument : BNA8
Sample : I803251608 Quant Date : 3/27/2016 4:06 pm

Compound #89: Benzo[a]pyrene



Original Peak Response = 12610986



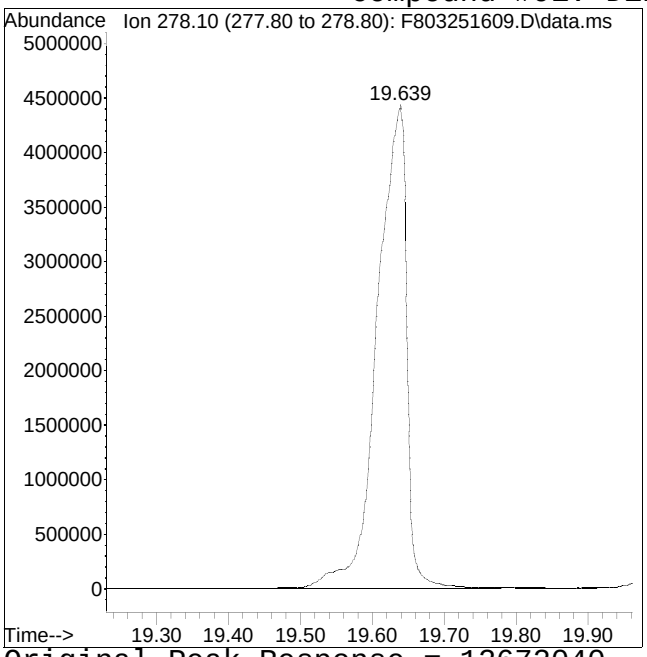
Manual Peak Response = 12893406 M4

M4 = Poor automated baseline construction.

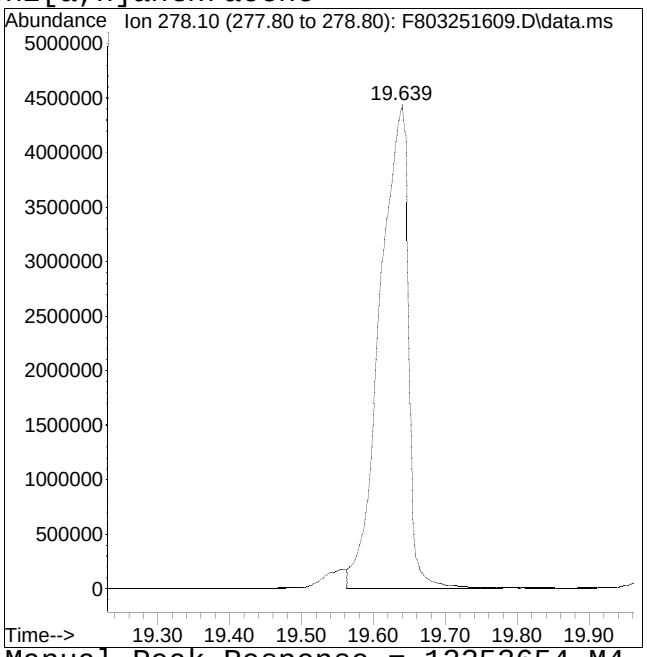
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251609.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 9:03 pm Instrument : BNA8
Sample : I803251608 Quant Date : 3/27/2016 4:06 pm

Compound #91: Dibenz[a,h]anthracene



Original Peak Response = 12672040



Manual Peak Response = 12253654 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251610.D
Acq On : 25 Mar 2016 9:35 pm
Operator : BNA8:ML
Sample : I803251609
Misc : WG877805,MSAI28
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 27 16:06:29 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:06:25 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.755	152	561638	5.000	ug/mL	0.00
21) Naphthalene-d8	5.911	136	2152444	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.606	164	1004264	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.397	188	1817316	5.000	ug/mL	0.00
76) Chrysene-d12	14.617	240	1628099	5.000	ug/mL	0.00
85) Perylene-d12	17.708	264	1521467	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery = 0.00%#			
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery = 0.00%#			
22) Nitrobenzene-d5	0.000	82	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery = 0.00%#			
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery = 0.00%#			
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery = 0.00%#			
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery = 0.00%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D. d		
5) Benzaldehyde	4.385	77	51257M4	0.523	ug/ml	
6) Aniline	0.000		0	N.D. d		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D. d		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D. d		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D. d		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	5.102	105	78386	0.503	ug/ml	97
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251610.D
Acq On : 25 Mar 2016 9:35 pm
Operator : BNA8:ML
Sample : I803251609
Misc : WG877805,MSAI28
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 27 16:06:29 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:06:25 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.	d	
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.277	113	16901M4	0.471	ug/ml	
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	7.043	154	142438	0.518	ug/ml	99
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.	d	
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D.	d	
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.	d	
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.	d	
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	9.007	200	26719	0.453	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251610.D
Acq On : 25 Mar 2016 9:35 pm
Operator : BNA8:ML
Sample : I803251609
Misc : WG877805,MSAI28
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 27 16:06:29 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:06:25 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.		d
72) Anthracene	0.000		0	N.D.		d
73) Carbazole	0.000		0	N.D.		d
74) Di-n-butylphthalate	0.000		0	N.D.		d
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.795	184	61178M4	0.613	ug/mL	
78) Pyrene	0.000		0	N.D.		d
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	14.631	252	44839M4	0.427	ug/mL	
82) Benz[a]anthracene	0.000		0	N.D.		d
83) Chrysene	0.000		0	N.D.		d
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.		d
86) Di-n-octylphthalate	0.000		0	N.D.		d
87) Benzo[b]fluoranthene	0.000		0	N.D.		d
88) Benzo[k]fluoranthene	0.000		0	N.D.		d
89) Benzo[a]pyrene	0.000		0	N.D.		d
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		d
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		d

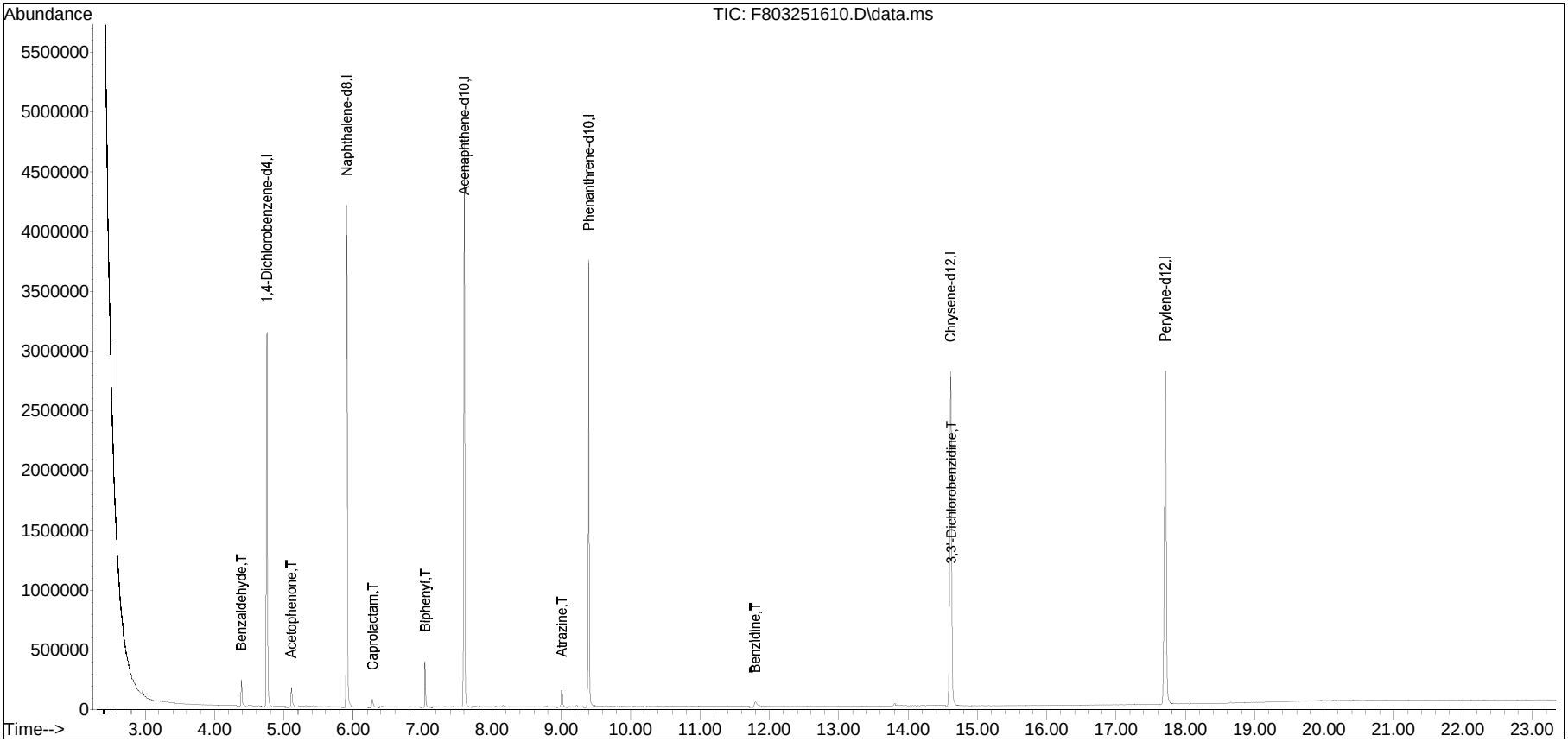
(#) = qualifier out of range (m) = manual integration (+) = signals summed

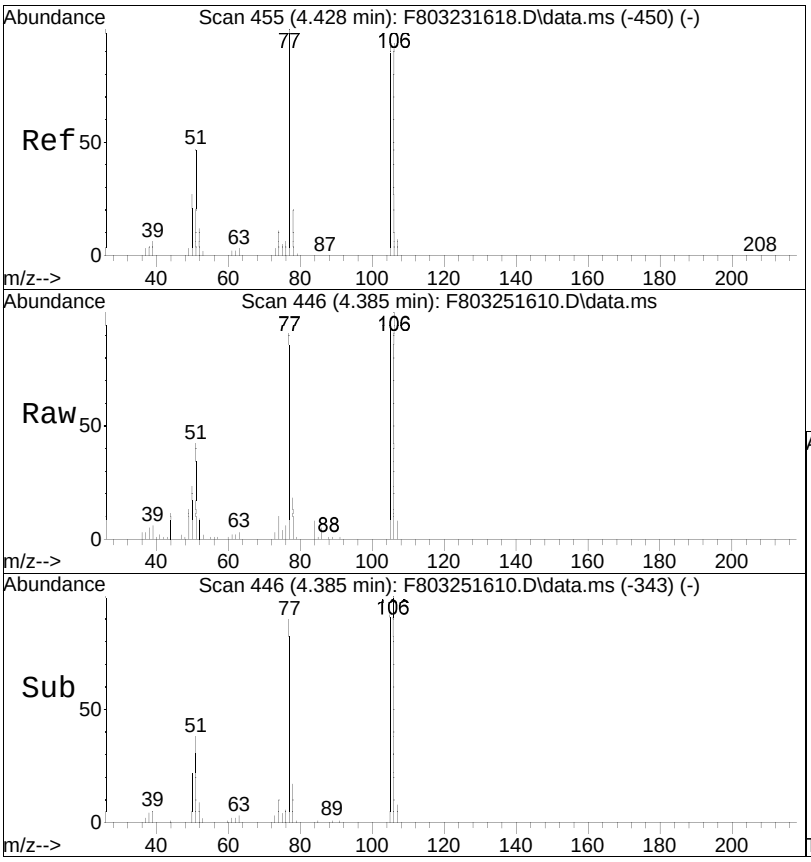
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251610.D
Acq On : 25 Mar 2016 9:35 pm
Operator : BNA8:ML
Sample : I803251609
Misc : WG877805,MSAI28
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 27 16:06:29 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:06:25 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

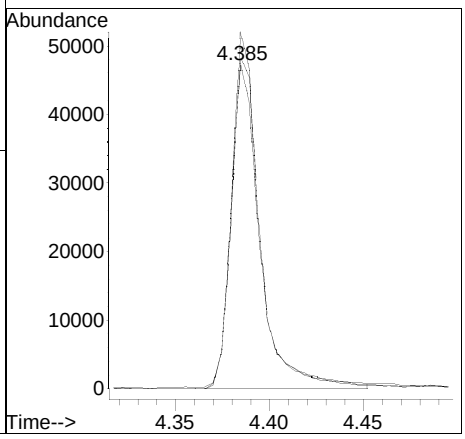


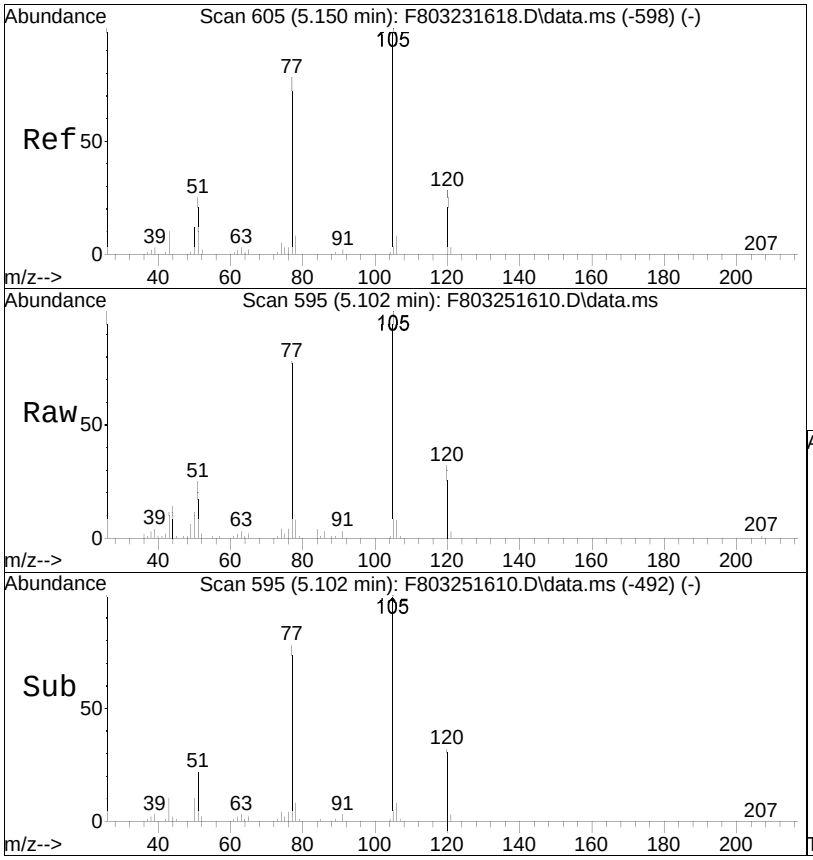


#5
Benzaldehyde
Concen: 0.52 ug/ml M4
RT: 4.385 min Scan# 446
Delta R.T. -0.005 min
Lab File: F803251610.D
Acq: 25 Mar 2016 9:35 pm

Tgt Ion: 77 Resp: 51257

Ion	Ratio	Lower	Upper
77	100		
105	100.5	83.8	125.6
106	105.0	87.4	131.2

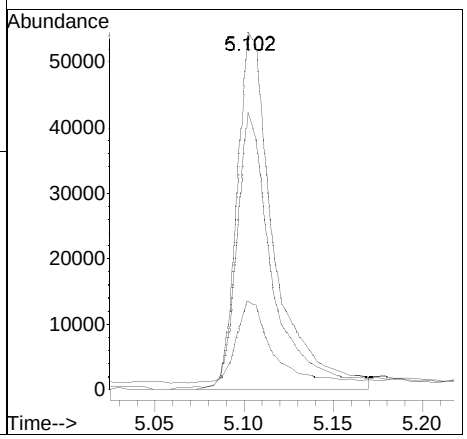


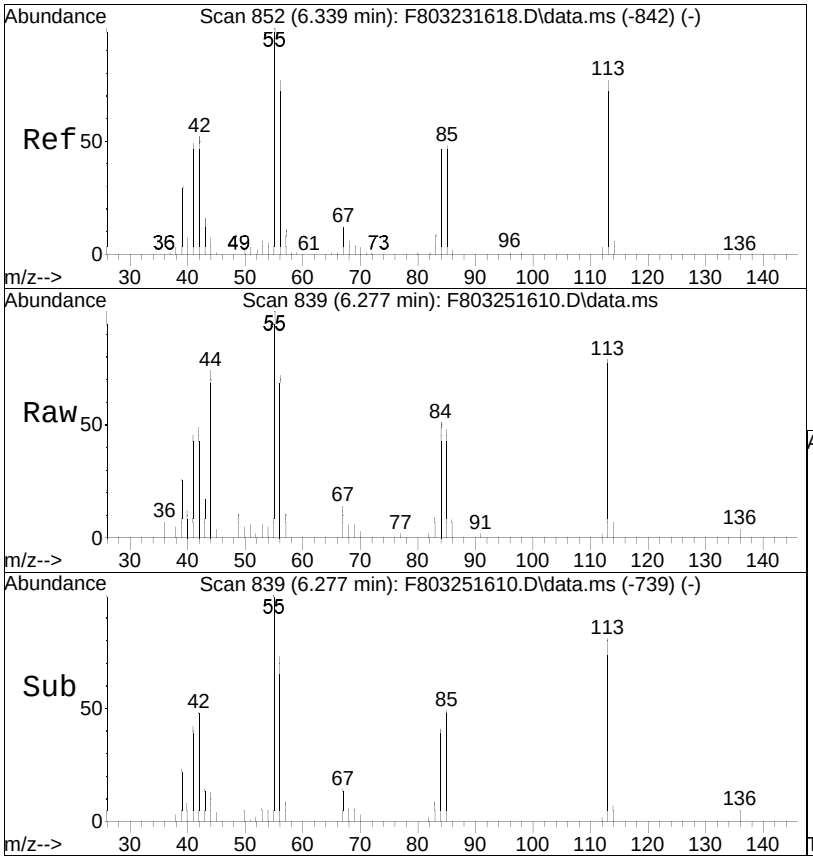


#17
Acetophenone
Concen: 0.50 ug/ml
RT: 5.102 min Scan# 595
Delta R.T. -0.005 min
Lab File: F803251610.D
Acq: 25 Mar 2016 9:35 pm

Tgt Ion:105 Resp: 78386

Ion	Ratio	Lower	Upper
105	100		
77	73.9	57.2	85.8
51	22.9	16.9	25.3

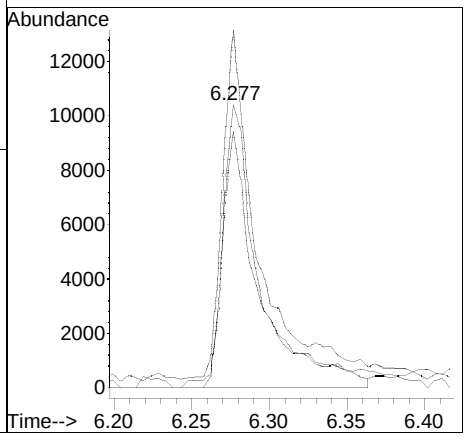


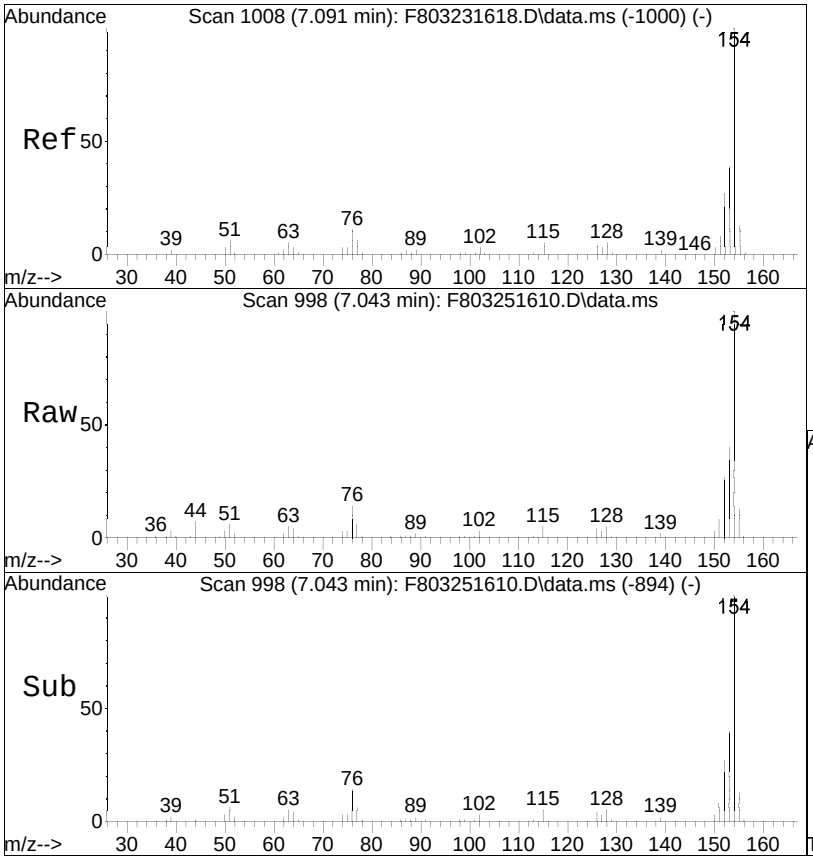


#35
Caprolactam
Concen: 0.47 ug/ml M4
RT: 6.277 min Scan# 839
Delta R.T. -0.019 min
Lab File: F803251610.D
Acq: 25 Mar 2016 9:35 pm

Tgt Ion:113 Resp: 16901

Ion	Ratio	Lower	Upper
113	100		
55	105.7	92.7	139.1
56	74.9	66.8	100.2

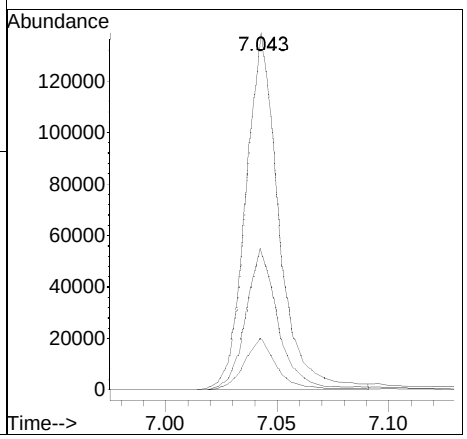


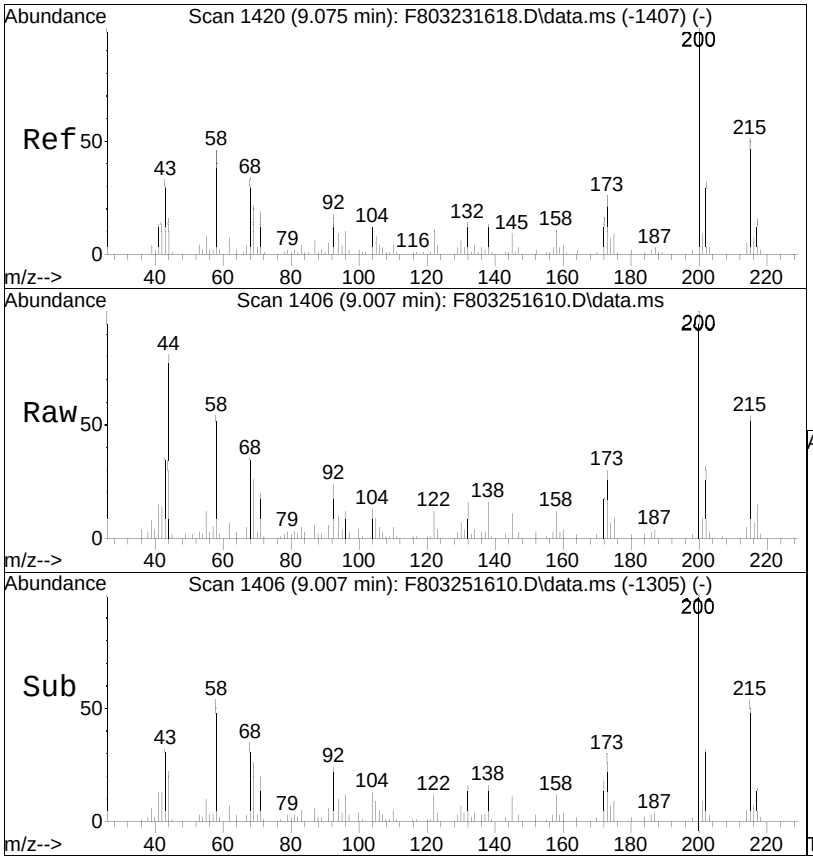


#44
Biphenyl
Concen: 0.52 ug/ml
RT: 7.043 min Scan# 998
Delta R.T. -0.000 min
Lab File: F803251610.D
Acq: 25 Mar 2016 9:35 pm

Tgt Ion:154 Resp: 142438

Ion	Ratio	Lower	Upper
154	100		
153	38.5	31.6	47.4
76	14.1	11.1	16.7

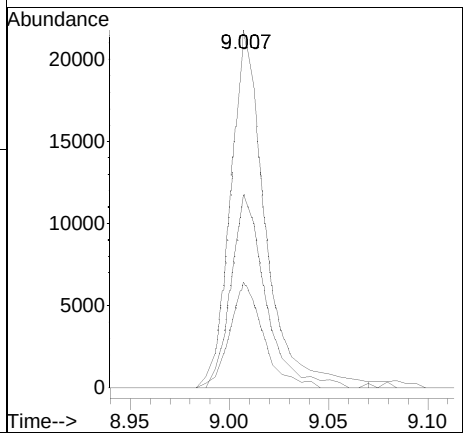


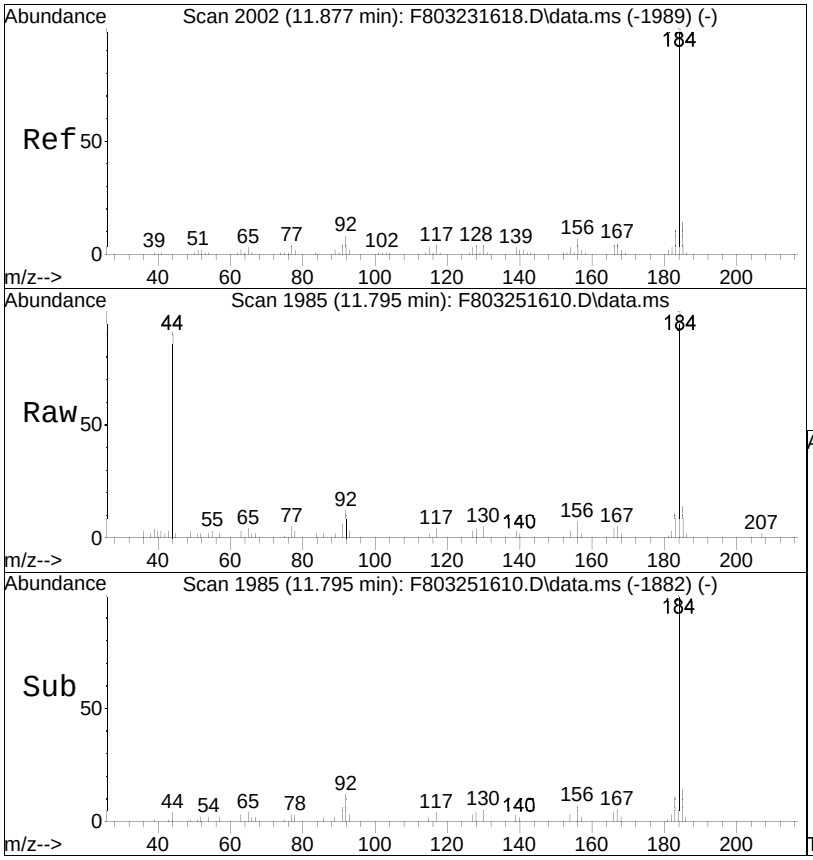


#68
Atrazine
Concen: 0.45 ug/ml
RT: 9.007 min Scan# 1406
Delta R.T. -0.015 min
Lab File: F803251610.D
Acq: 25 Mar 2016 9:35 pm

Tgt Ion:200 Resp: 26719

Ion	Ratio	Lower	Upper
200	100		
173	28.5	23.7	35.5
215	53.3	44.1	66.1

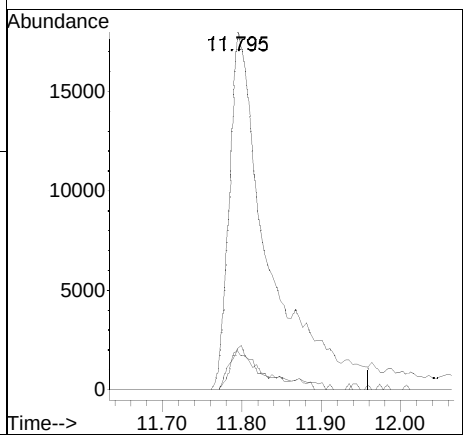


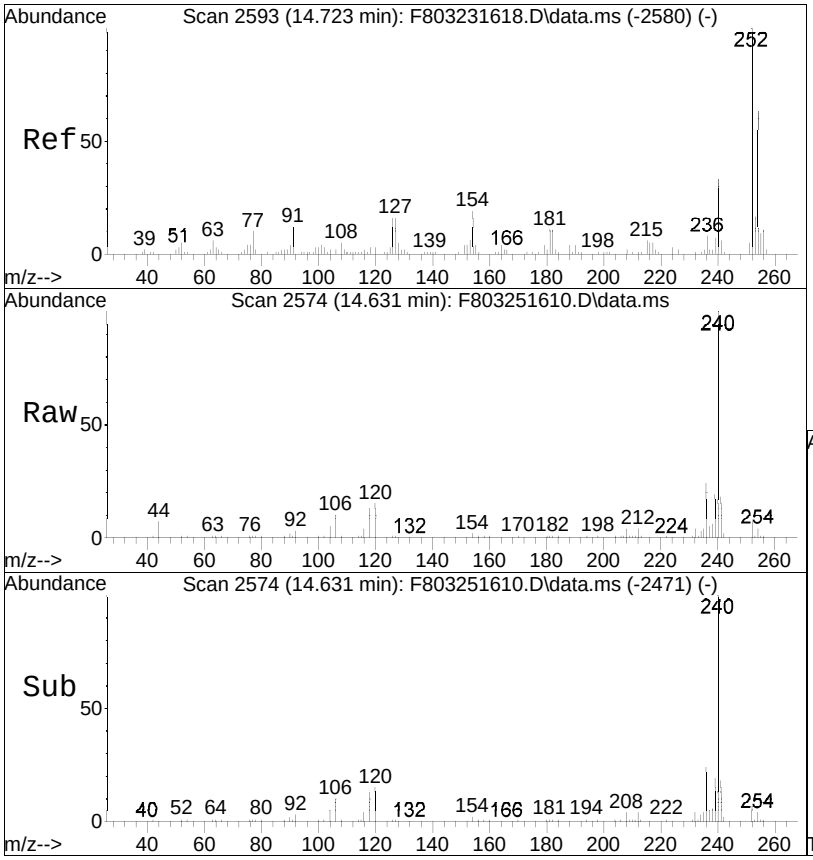


#77
Benzidine
Concen: 0.61 ug/mL M4
RT: 11.795 min Scan# 1985
Delta R.T. -0.005 min
Lab File: F803251610.D
Acq: 25 Mar 2016 9:35 pm

Tgt Ion:184 Resp: 61178

Ion	Ratio	Lower	Upper
184	100		
183	7.8	8.9	13.3#
92	5.6	8.4	12.6#

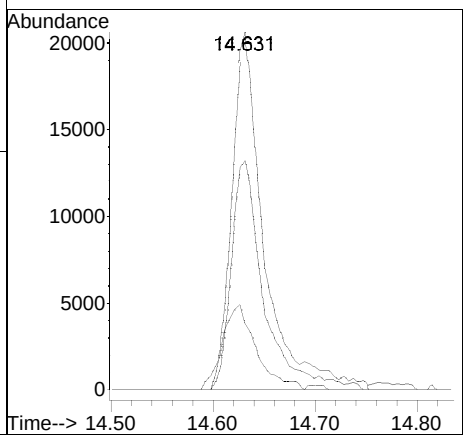




#81
3,3'-Dichlorobenzidine
Concen: 0.43 ug/mL M4
RT: 14.631 min Scan# 2574
Delta R.T. -0.005 min
Lab File: F803251610.D
Acq: 25 Mar 2016 9:35 pm

Tgt Ion:252 Resp: 44839

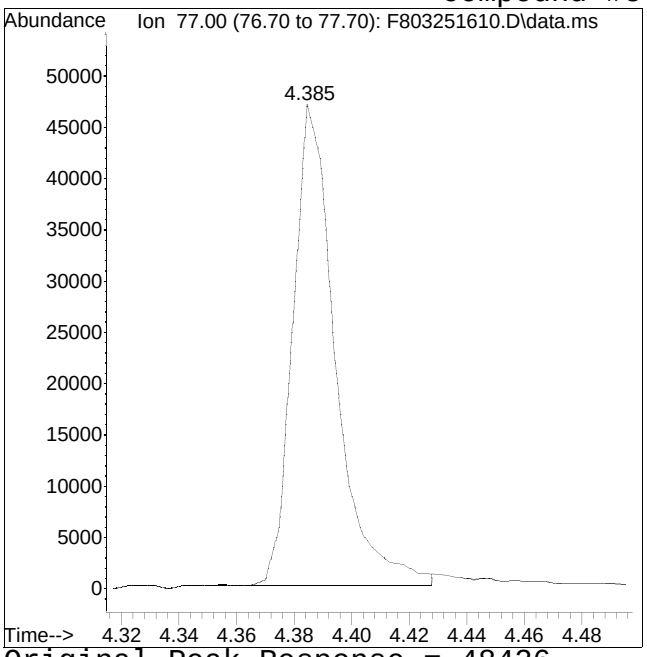
Ion	Ratio	Lower	Upper
252	100		
254	62.8	51.0	76.4
126	24.3	15.2	22.8#



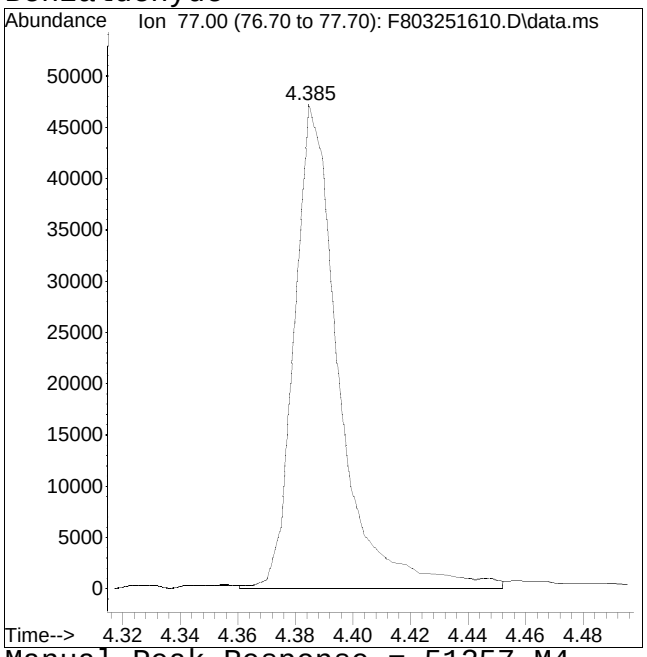
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251610.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 9:35 pm Instrument : BNA8
Sample : I803251609 Quant Date : 3/27/2016 4:06 pm

Compound #5: Benzaldehyde



Original Peak Response = 48426



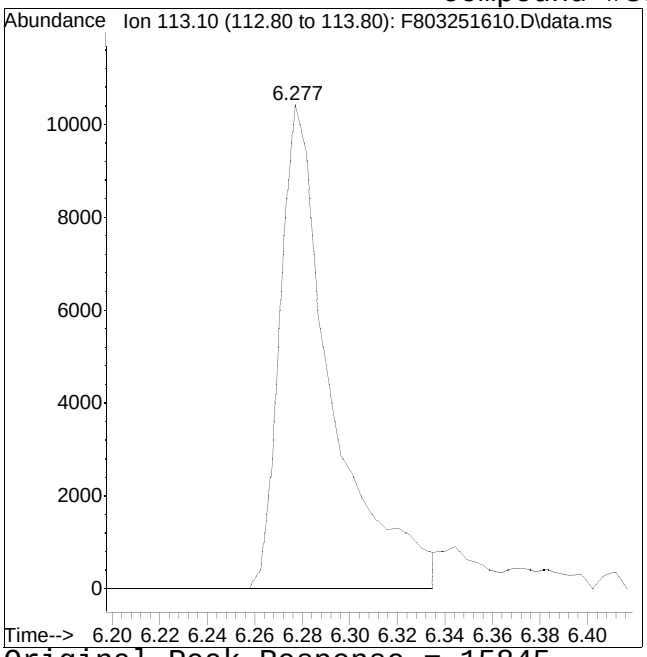
Manual Peak Response = 51257 M4

M4 = Poor automated baseline construction.

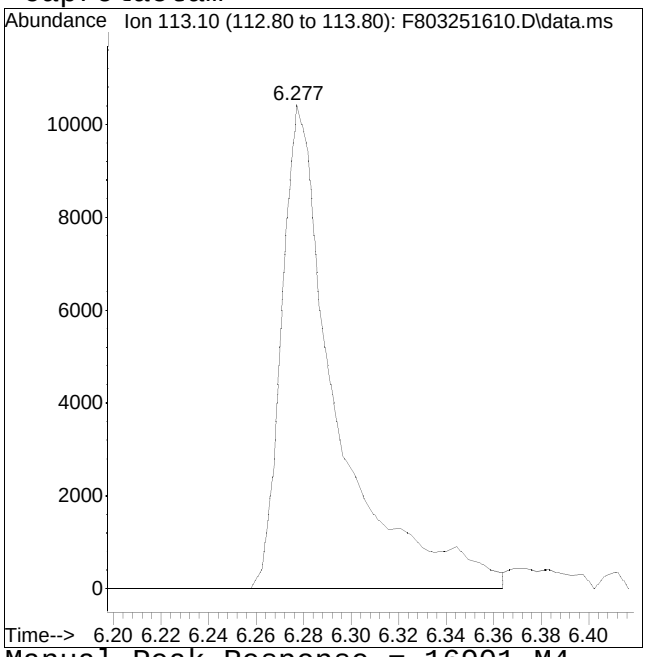
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251610.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 9:35 pm Instrument : BNA8
Sample : I803251609 Quant Date : 3/27/2016 4:06 pm

Compound #35: Caprolactam



Original Peak Response = 15845



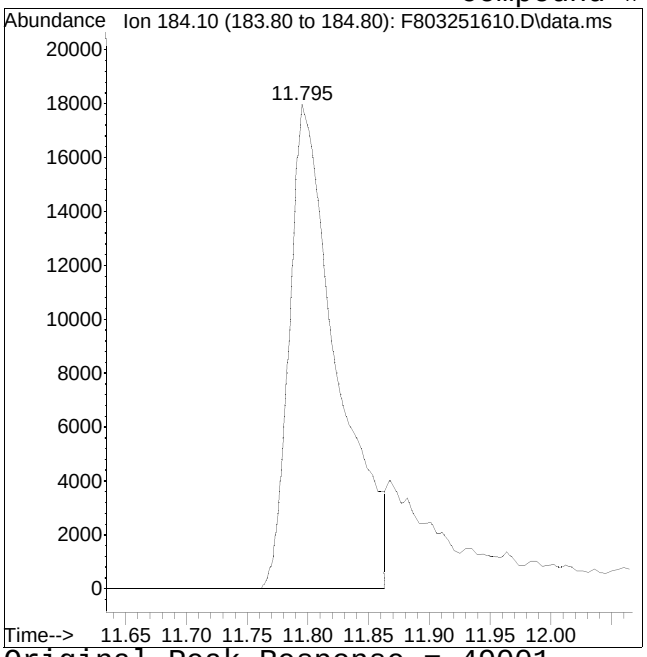
Manual Peak Response = 16901 M4

M4 = Poor automated baseline construction.

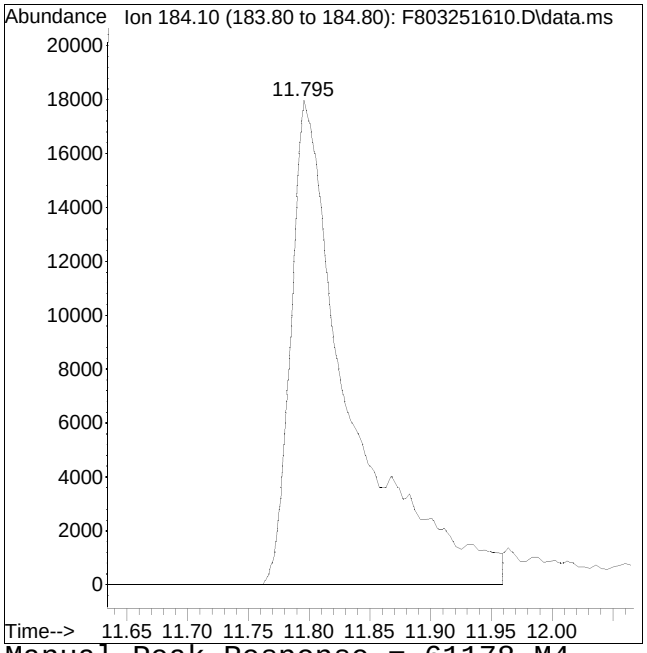
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251610.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 9:35 pm Instrument : BNA8
Sample : I803251609 Quant Date : 3/27/2016 4:06 pm

Compound #77: Benzidine



Original Peak Response = 49001



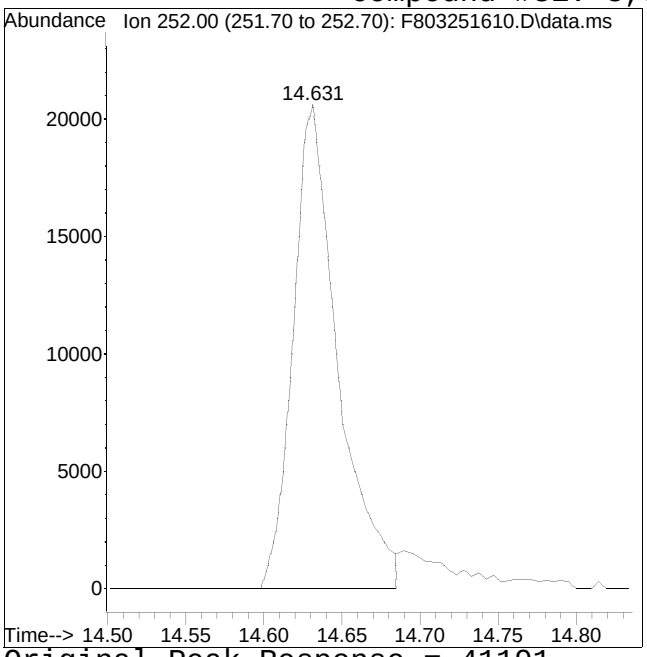
Manual Peak Response = 61178 M4

M4 = Poor automated baseline construction.

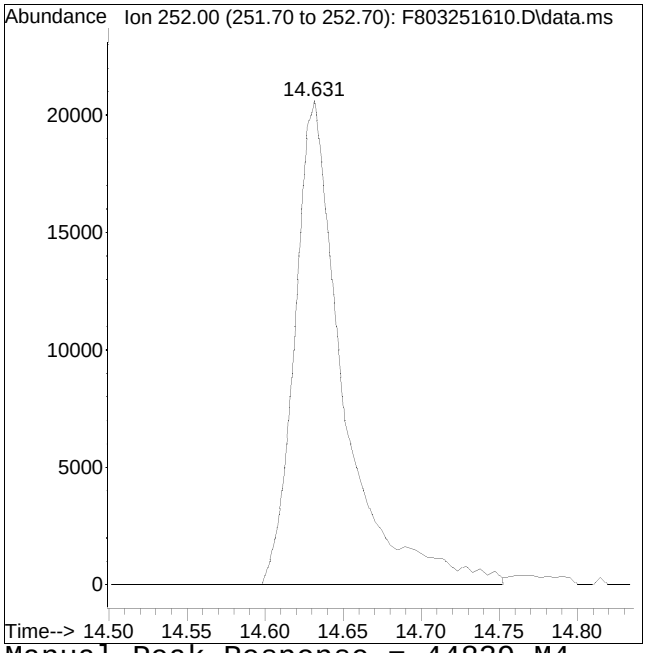
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251610.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 9:35 pm Instrument : BNA8
Sample : I803251609 Quant Date : 3/27/2016 4:06 pm

Compound #81: 3,3'-Dichlorobenzidine



Original Peak Response = 41191



Manual Peak Response = 44839 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251611.D
Acq On : 25 Mar 2016 10:06 pm
Operator : BNA8:ML
Sample : I803251610
Misc : WG877805,MSAI27
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 27 16:06:37 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:06:33 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.750	152	641490	5.000	ug/mL	0.00
21) Naphthalene-d8	5.911	136	2469385	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.606	164	1142446	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.397	188	2080818	5.000	ug/mL	0.00
76) Chrysene-d12	14.617	240	1838094	5.000	ug/mL	0.00
85) Perylene-d12	17.708	264	1721461	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D. d		
5) Benzaldehyde	4.384	77	109698	0.981	ug/ml	98
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D. d		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D. d		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	5.102	105	171576	0.964	ug/ml	99
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251611.D
Acq On : 25 Mar 2016 10:06 pm
Operator : BNA8:ML
Sample : I803251610
Misc : WG877805,MSAI27
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 27 16:06:37 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:06:33 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D. d		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.277	113	35943M4	0.873	ug/ml	
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	7.042	154	308303	0.985	ug/ml	100
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D. d		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D. d		
51) 3-Nitroaniline	0.000		0	N.D. d		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D. d		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D. d		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	9.007	200	59333	0.878	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251611.D
Acq On : 25 Mar 2016 10:06 pm
Operator : BNA8:ML
Sample : I803251610
Misc : WG877805,MSAI27
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 27 16:06:37 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:06:33 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.		d
72) Anthracene	0.000		0	N.D.		d
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.		d
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.795	184	165339M4	0.945	ug/mL	
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	14.631	252	97022M4	0.819	ug/mL	
82) Benz[a]anthracene	0.000		0	N.D.		d
83) Chrysene	0.000		0	N.D.		d
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.		d
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D.		d
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

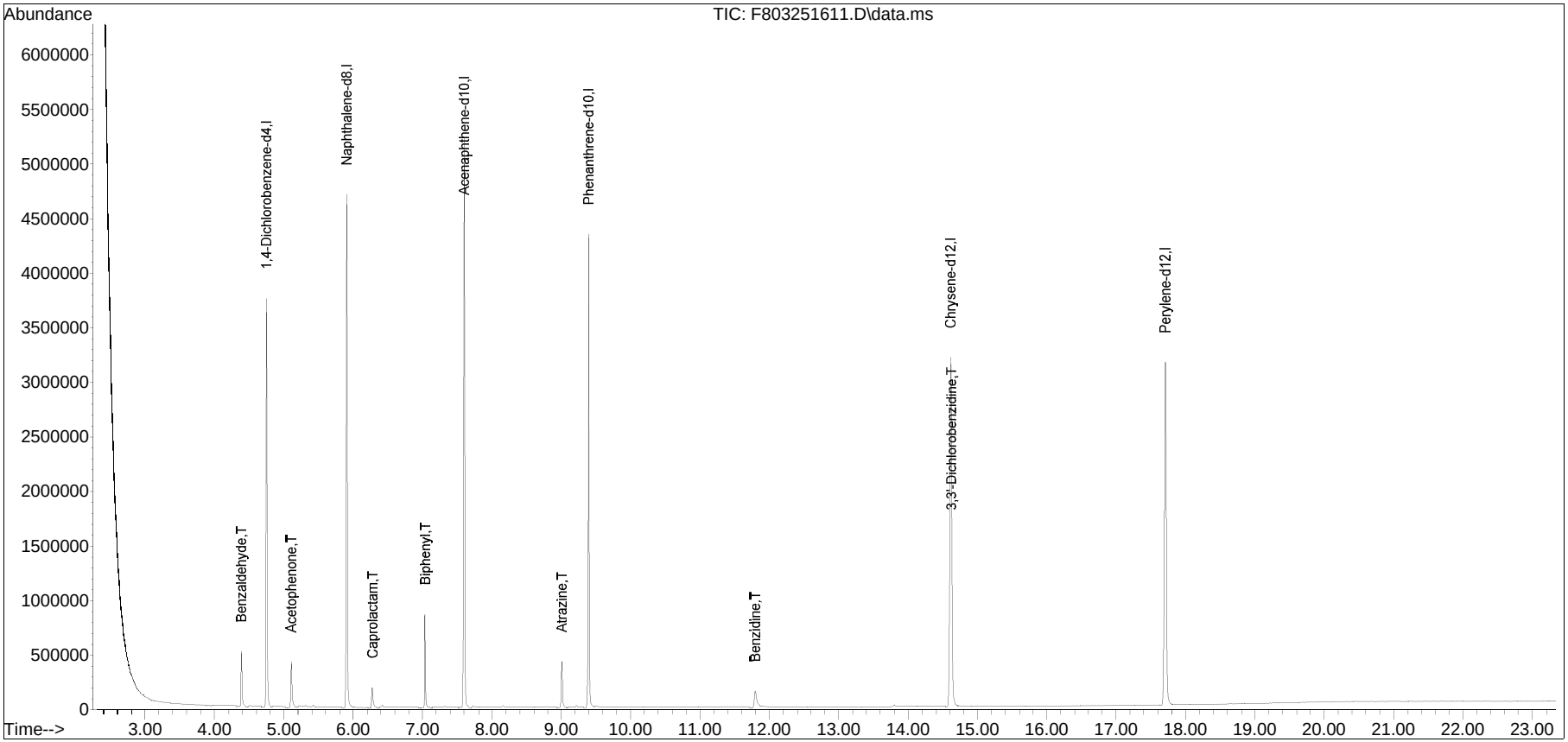
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251611.D
Acq On : 25 Mar 2016 10:06 pm
Operator : BNA8:ML
Sample : I803251610
Misc : WG877805,MSAI27
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 27 16:06:37 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:06:33 2016
Response via : Initial Calibration

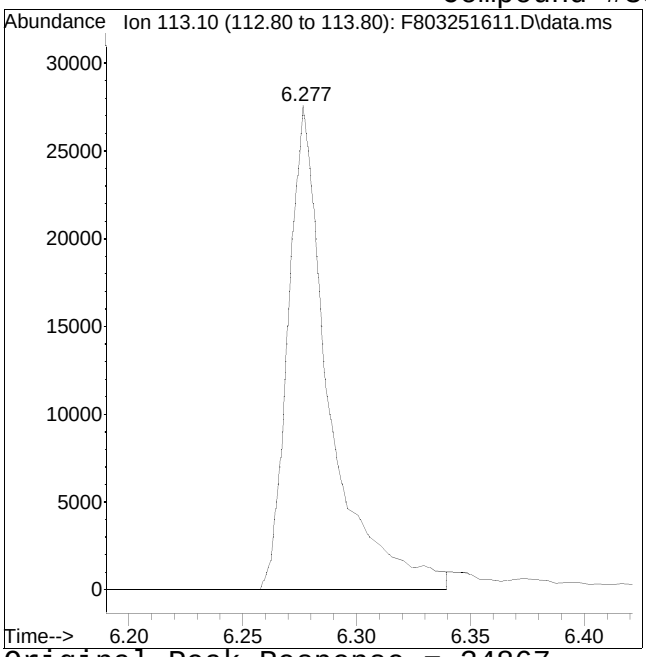
Sub List : Default - All compounds listed



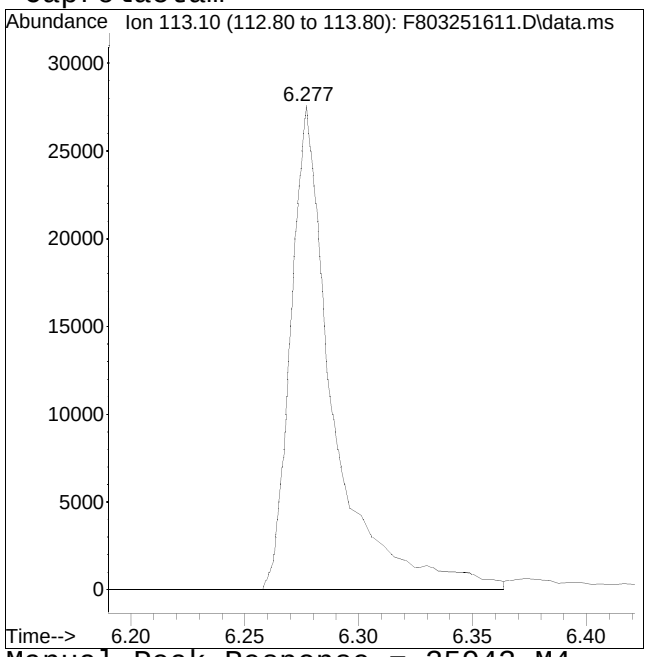
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251611.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 10:06 pm Instrument : BNA8
Sample : I803251610 Quant Date : 3/27/2016 4:06 pm

Compound #35: Caprolactam



Original Peak Response = 34867



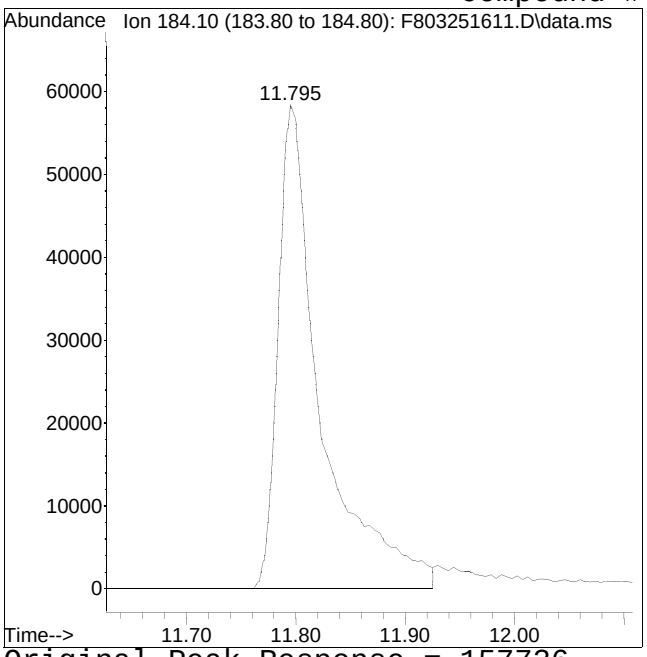
Manual Peak Response = 35943 M4

M4 = Poor automated baseline construction.

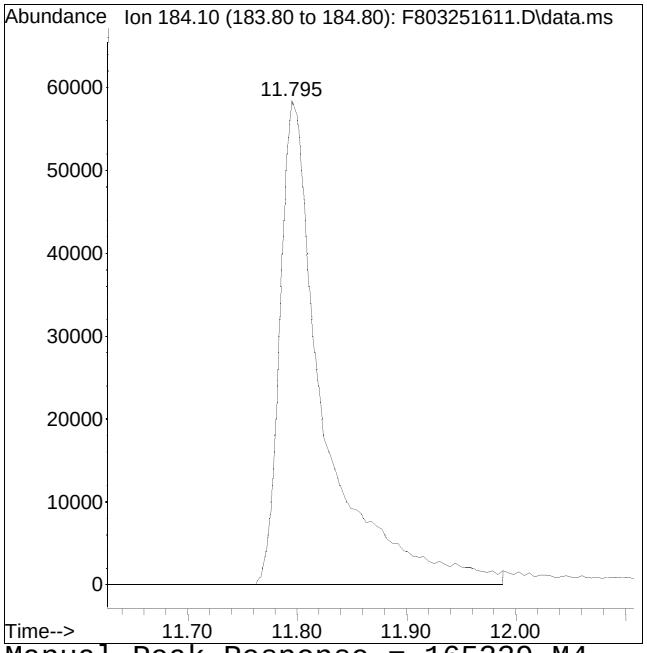
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251611.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 10:06 pm Instrument : BNA8
Sample : I803251610 Quant Date : 3/27/2016 4:06 pm

Compound #77: Benzidine



Original Peak Response = 157736



Manual Peak Response = 165339 M4

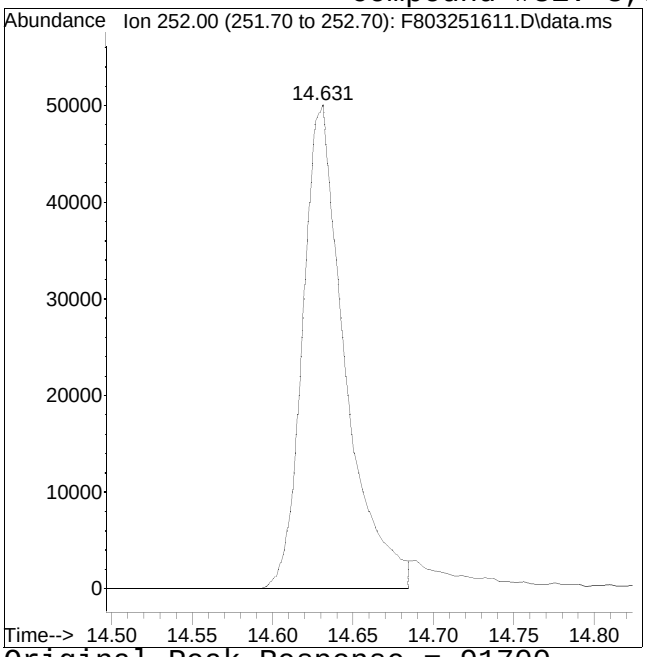
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

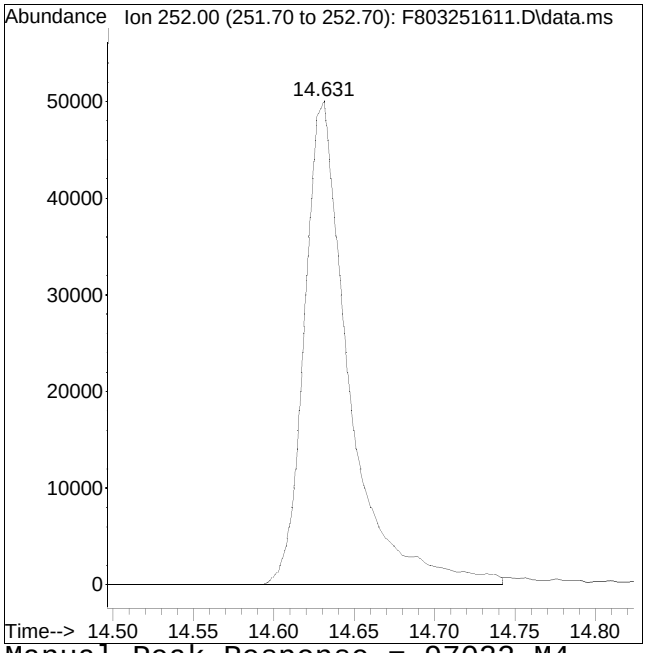
Data Path : O:\Organics\DATA\BNA8\2016\
Data File : F803251611.D
Date Inj'd : 3/25/2016 10:06 pm
Sample : I803251610

QMethod : SV0325BNA8.M
Operator : BNA8:ML
Instrument : BNA8
Quant Date : 3/27/2016 4:06 pm

Compound #81: 3,3'-Dichlorobenzidine



Original Peak Response = 91700



Manual Peak Response = 97022 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251612.D
Acq On : 25 Mar 2016 10:37 pm
Operator : BNA8:ML
Sample : I803251611
Misc : WG877805,MSAI26
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 27 16:06:45 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:06:42 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.755	152	632364	5.000	ug/mL	0.00
21) Naphthalene-d8	5.911	136	2407797	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.606	164	1124809	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.397	188	2034089	5.000	ug/mL	0.00
76) Chrysene-d12	14.617	240	1807448	5.000	ug/mL	0.00
85) Perylene-d12	17.708	264	1649305	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.389	77	219903	1.995	ug/ml	99
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D. d		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D. d		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	5.107	105	337281	1.921	ug/ml	96
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251612.D
Acq On : 25 Mar 2016 10:37 pm
Operator : BNA8:ML
Sample : I803251611
Misc : WG877805,MSAI26
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 27 16:06:45 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:06:42 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D. d		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.282	113	74726	1.862	ug/ml	99
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	7.043	154	623246	2.022	ug/ml	98
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D. d		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D. d		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D. d		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D. d		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	9.012	200	121377	1.837	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251612.D
Acq On : 25 Mar 2016 10:37 pm
Operator : BNA8:ML
Sample : I803251611
Misc : WG877805,MSAI26
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 27 16:06:45 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:06:42 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.		d
72) Anthracene	0.000		0	N.D.		d
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.		d
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.795	184	388123M4	1.736	ug/mL	
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	14.632	252	213820M4	1.836	ug/mL	
82) Benz[a]anthracene	0.000		0	N.D.		d
83) Chrysene	0.000		0	N.D.		d
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.		d
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D.		d
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

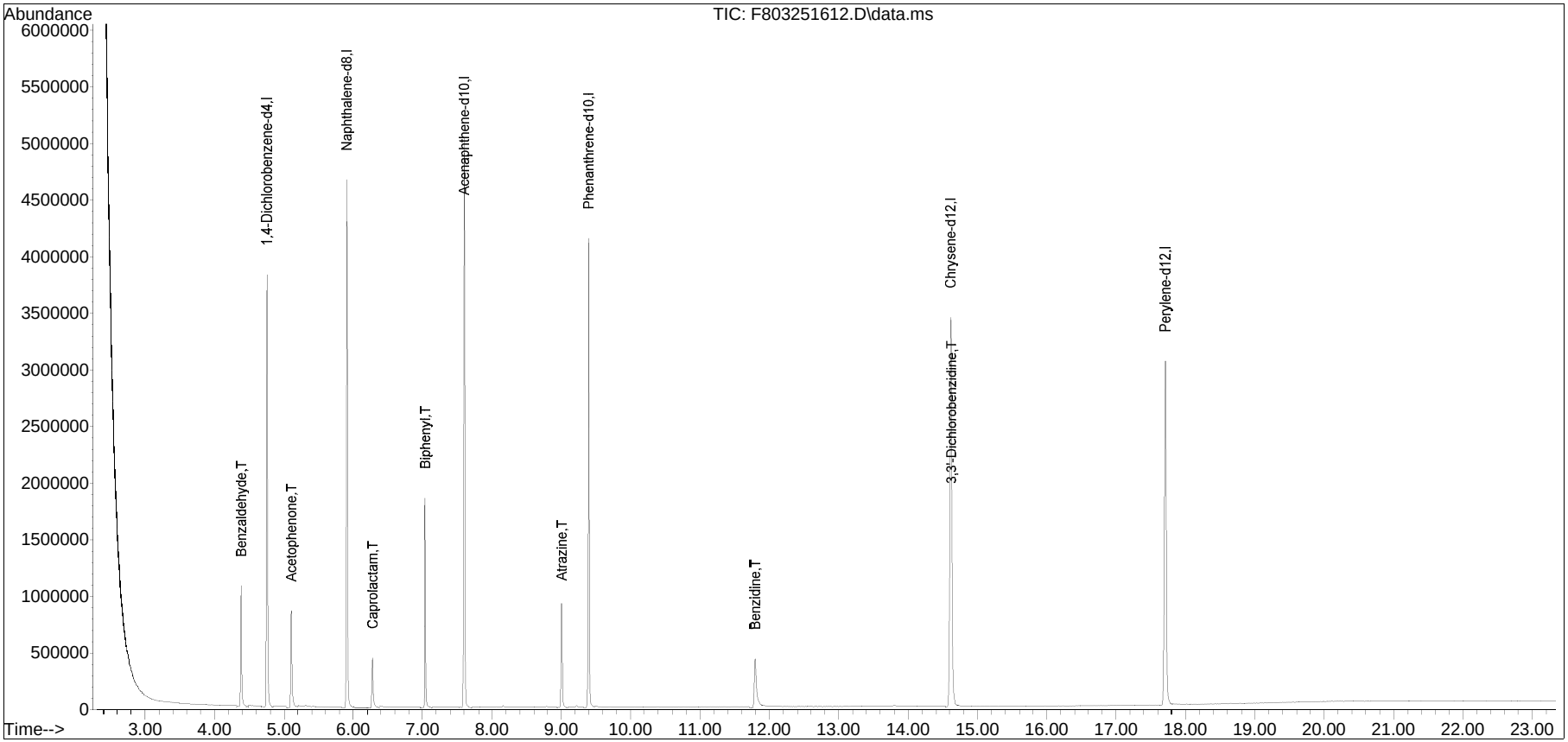
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251612.D
Acq On : 25 Mar 2016 10:37 pm
Operator : BNA8:ML
Sample : I803251611
Misc : WG877805,MSAI26
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 27 16:06:45 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:06:42 2016
Response via : Initial Calibration

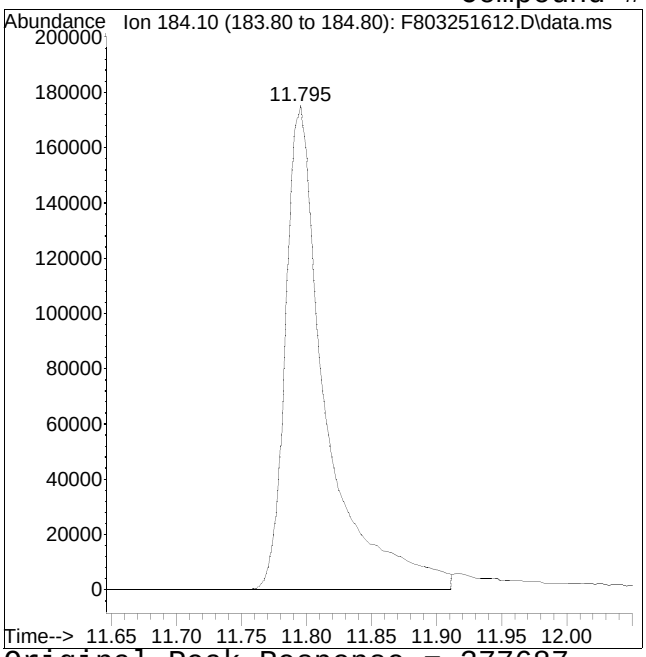
Sub List : Default - All compounds listed



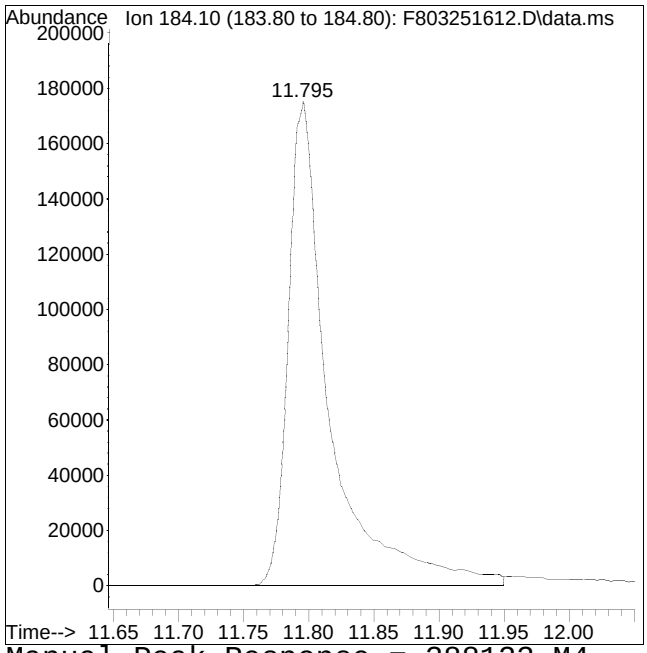
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ Method : SV0325BNA8.M
Data File : F803251612.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 10:37 pm Instrument : BNA8
Sample : I803251611 Quant Date : 3/27/2016 4:06 pm

Compound #77: Benzidine



Original Peak Response = 377687



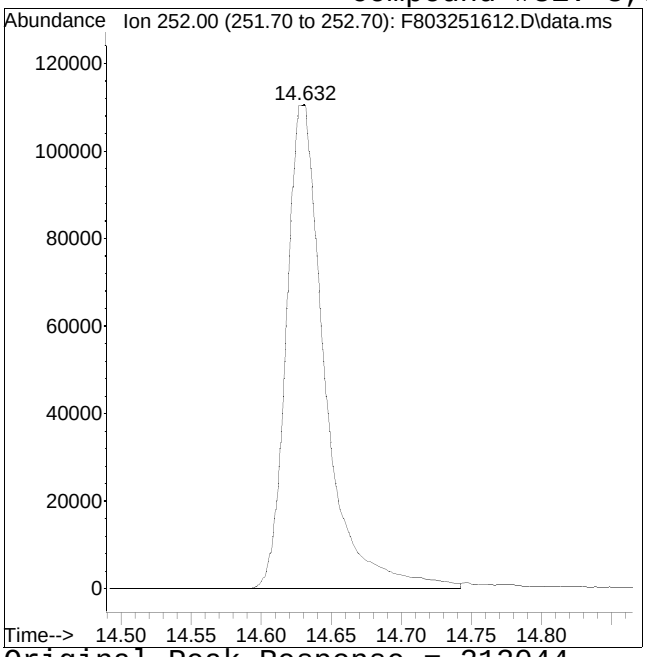
Manual Peak Response = 388123 M4

M4 = Poor automated baseline construction.

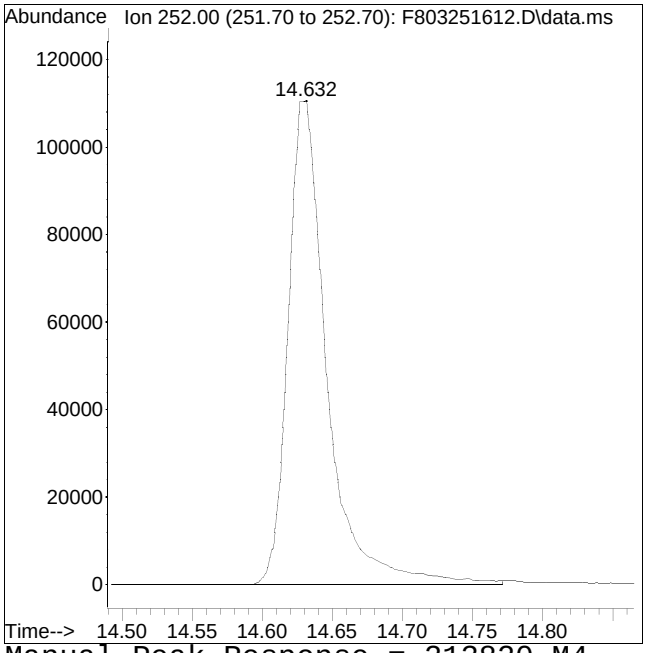
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251612.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 10:37 pm Instrument : BNA8
Sample : I803251611 Quant Date : 3/27/2016 4:06 pm

Compound #81: 3,3'-Dichlorobenzidine



Original Peak Response = 212044



Manual Peak Response = 213820 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251613.D
Acq On : 25 Mar 2016 11:08 pm
Operator : BNA8:ML
Sample : I803251612
Misc : WG877805,MSAI25
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 27 16:06:53 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:06:49 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.755	152	610023	5.000	ug/mL	0.00
21) Naphthalene-d8	5.911	136	2337109	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.606	164	1078671	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.397	188	1941990	5.000	ug/mL	0.00
76) Chrysene-d12	14.617	240	1742219	5.000	ug/mL	0.00
85) Perylene-d12	17.708	264	1579272	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.389	77	549709	5.169	ug/ml	100
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.	d	
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.	d	
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	5.107	105	877938	5.184	ug/ml	97
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251613.D
Acq On : 25 Mar 2016 11:08 pm
Operator : BNA8:ML
Sample : I803251612
Misc : WG877805,MSAI25
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 27 16:06:53 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:06:49 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D. d		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.286	113	202840	5.206	ug/ml	97
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	7.042	154	1578031	5.340	ug/ml	99
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D. d		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D. d		
51) 3-Nitroaniline	0.000		0	N.D. d		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D. d		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D. d		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	9.012	200	329132	5.218	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251613.D
Acq On : 25 Mar 2016 11:08 pm
Operator : BNA8:ML
Sample : I803251612
Misc : WG877805,MSAI25
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 27 16:06:53 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:06:49 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D. d		
72) Anthracene	0.000		0	N.D. d		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D. d		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.795	184	1233466	4.863	ug/mL	98
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	14.631	252	587537	5.233	ug/mL	100
82) Benz[a]anthracene	0.000		0	N.D. d		
83) Chrysene	0.000		0	N.D. d		
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D. d		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D. d		
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

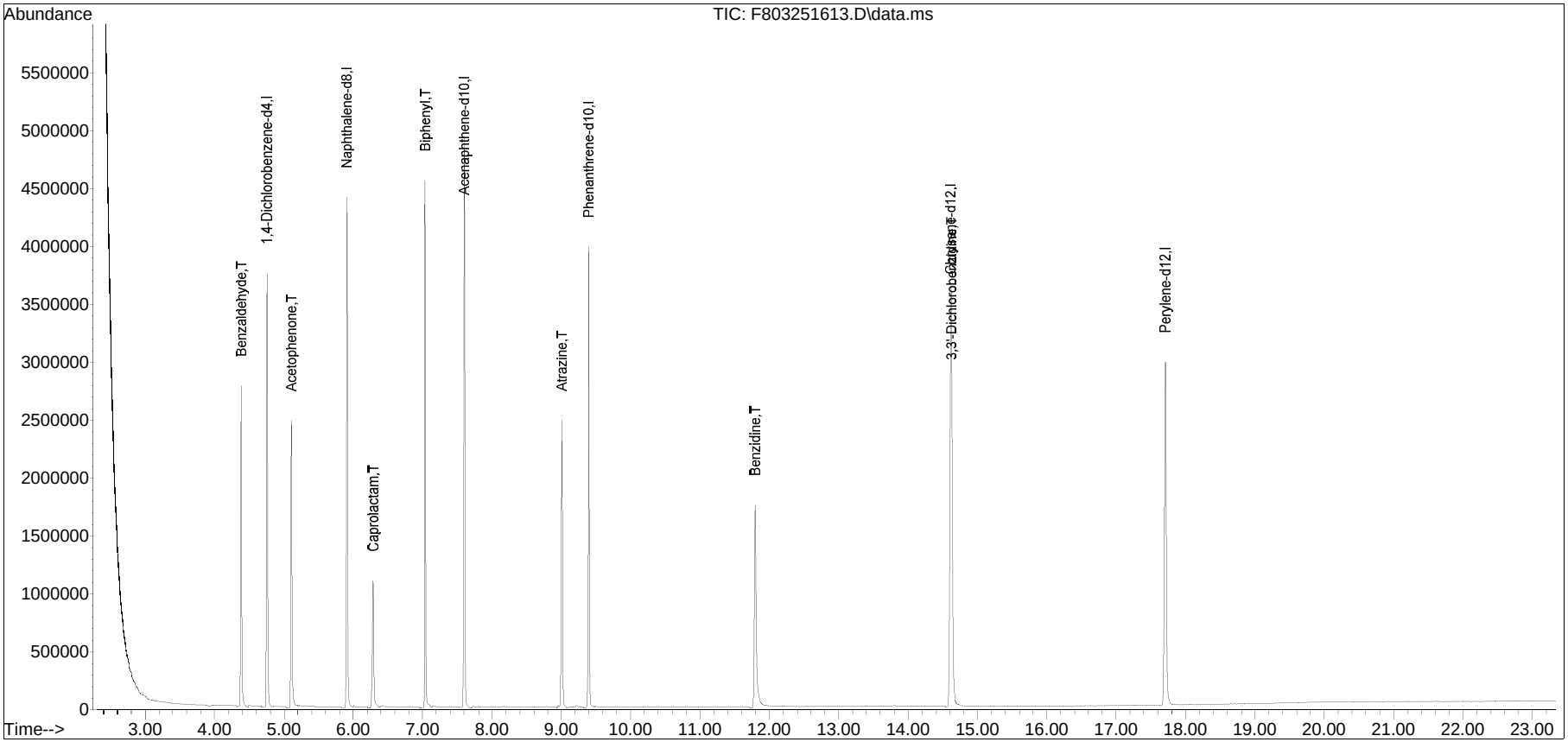
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251613.D
Acq On : 25 Mar 2016 11:08 pm
Operator : BNA8:ML
Sample : I803251612
Misc : WG877805,MSAI25
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 27 16:06:53 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:06:49 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\BNA8\2016\	QMethod	: SV0325BNA8.M
Data File	: F803251613.D	Operator	: BNA8:ML
Date Inj'd	: 3/25/2016 11:08 pm	Instrument	: BNA8
Sample	: I803251612	Quant Date	: 3/27/2016 4:06 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251614.D
Acq On : 25 Mar 2016 11:39 pm
Operator : BNA8:ML
Sample : I803251613
Misc : WG877805,MSAI22
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 27 16:07:02 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:06:58 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.755	152	632728	5.000	ug/mL	0.00
21) Naphthalene-d8	5.911	136	2410533	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.606	164	1097542	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.397	188	2010994	5.000	ug/mL	0.00
76) Chrysene-d12	14.617	240	1816341	5.000	ug/mL	0.00
85) Perylene-d12	17.708	264	1625428	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery = 0.00%#			
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery = 0.00%#			
22) Nitrobenzene-d5	0.000	82	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery = 0.00%#			
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery = 0.00%#			
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery = 0.00%#			
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery = 0.00%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.389	77	1132415	10.265	ug/ml	100
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.	d	
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.	d	
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.	d	
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	5.107	105	1829840	10.418	ug/ml	99
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.	d	
23) Nitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251614.D
Acq On : 25 Mar 2016 11:39 pm
Operator : BNA8:ML
Sample : I803251613
Misc : WG877805,MSAI22
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 27 16:07:02 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:06:58 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D. d		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D. d		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.296	113	428283	10.658	ug/ml	99
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	7.043	154	3166386	10.530	ug/ml	99
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D. d		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D. d		
51) 3-Nitroaniline	0.000		0	N.D. d		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D. d		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D. d		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D. d		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	9.022	200	711746M4	10.896	ug/ml	

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251614.D
Acq On : 25 Mar 2016 11:39 pm
Operator : BNA8:ML
Sample : I803251613
Misc : WG877805,MSAI22
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 27 16:07:02 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:06:58 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D. d		
72) Anthracene	0.000		0	N.D. d		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D. d		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.800	184	2819861	10.217	ug/mL	99
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	14.636	252	1299231	11.100	ug/mL	99
82) Benz[a]anthracene	0.000		0	N.D. d		
83) Chrysene	0.000		0	N.D. d		
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D. d		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D. d		
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

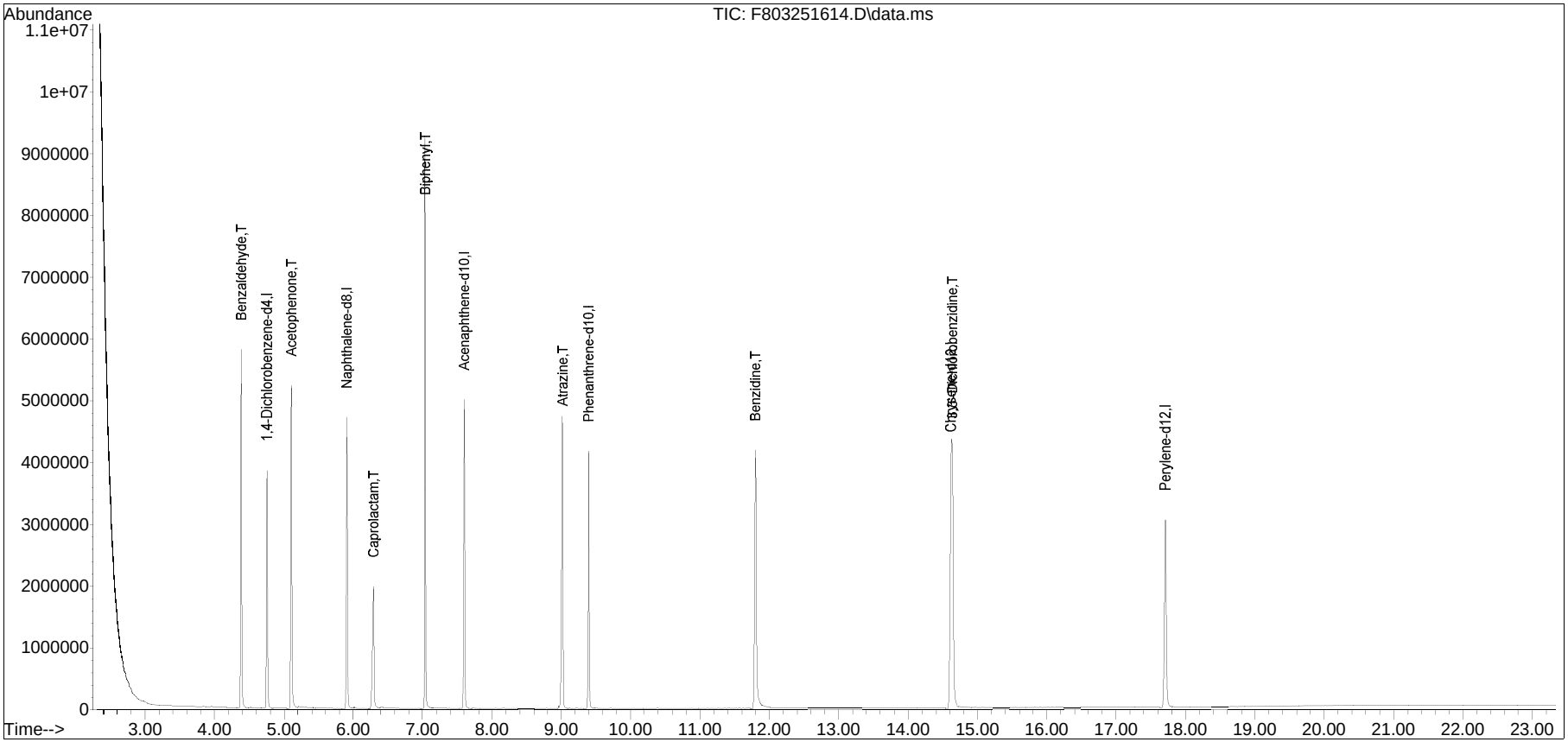
(#) = qualifier out of range (m) = manual integration (+) = signals summed

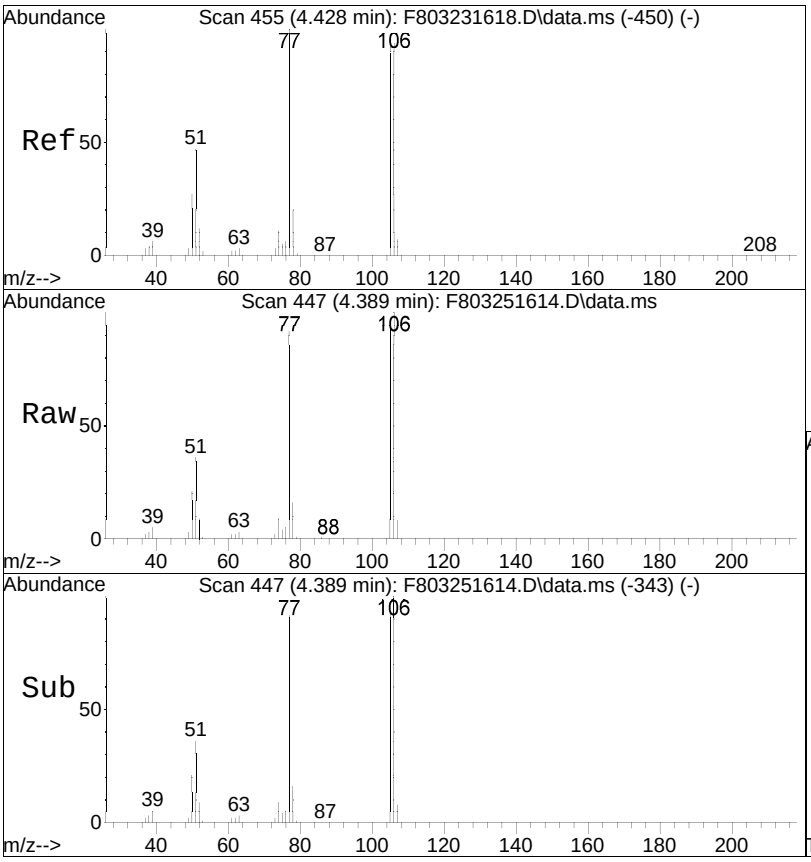
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251614.D
Acq On : 25 Mar 2016 11:39 pm
Operator : BNA8:ML
Sample : I803251613
Misc : WG877805,MSAI22
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 27 16:07:02 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:06:58 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

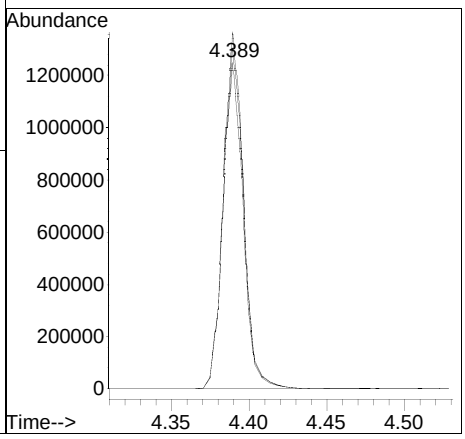


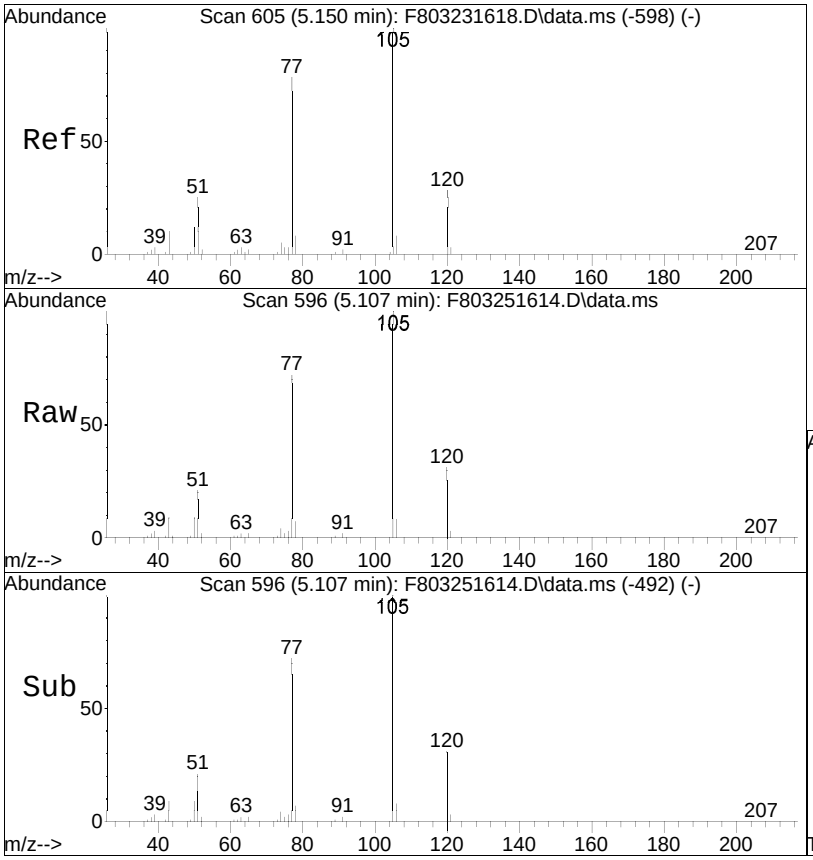


#5
Benzaldehyde
Concen: 10.27 ug/ml
RT: 4.389 min Scan# 447
Delta R.T. 0.000 min
Lab File: F803251614.D
Acq: 25 Mar 2016 11:39 pm

Tgt Ion: 77 Resp: 1132415

Ion	Ratio	Lower	Upper
77	100		
105	105.0	83.8	125.6
106	109.7	87.4	131.2

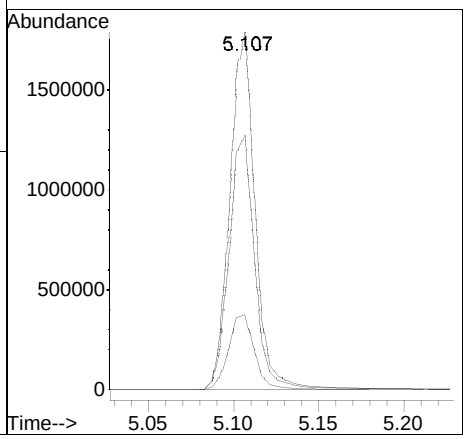


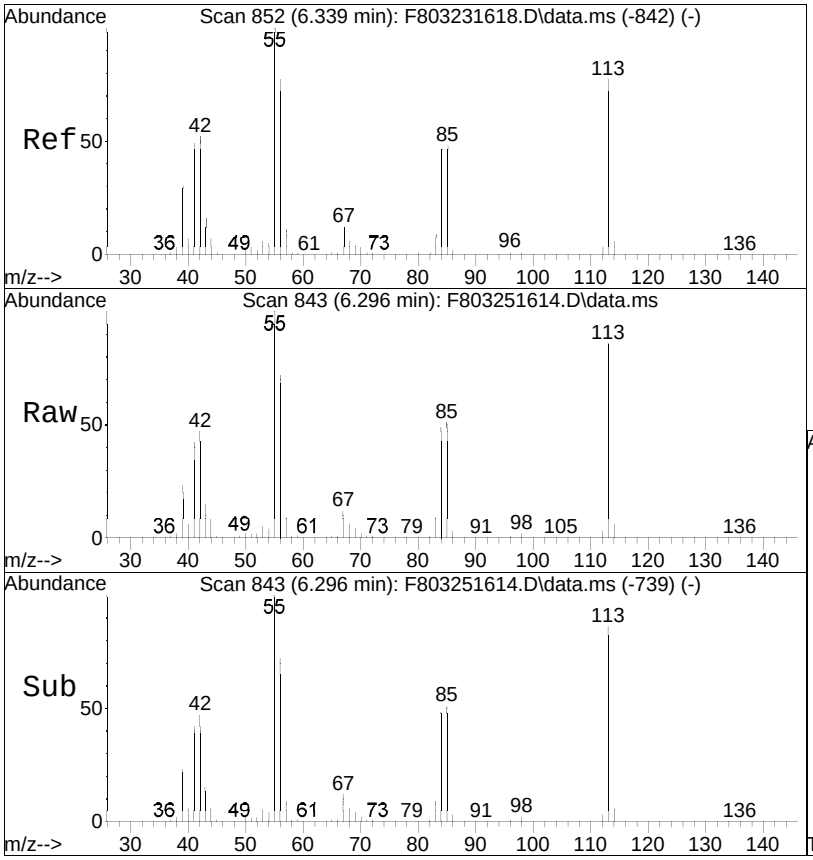


#17
Acetophenone
Concen: 10.42 ug/ml
RT: 5.107 min Scan# 596
Delta R.T. -0.000 min
Lab File: F803251614.D
Acq: 25 Mar 2016 11:39 pm

Tgt Ion:105 Resp: 1829840

Ion	Ratio	Lower	Upper
105	100		
77	72.7	57.2	85.8
51	21.8	16.9	25.3

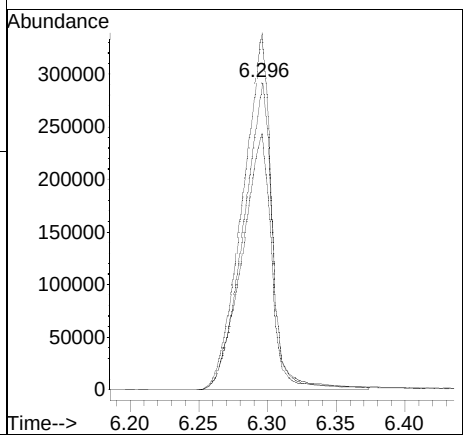


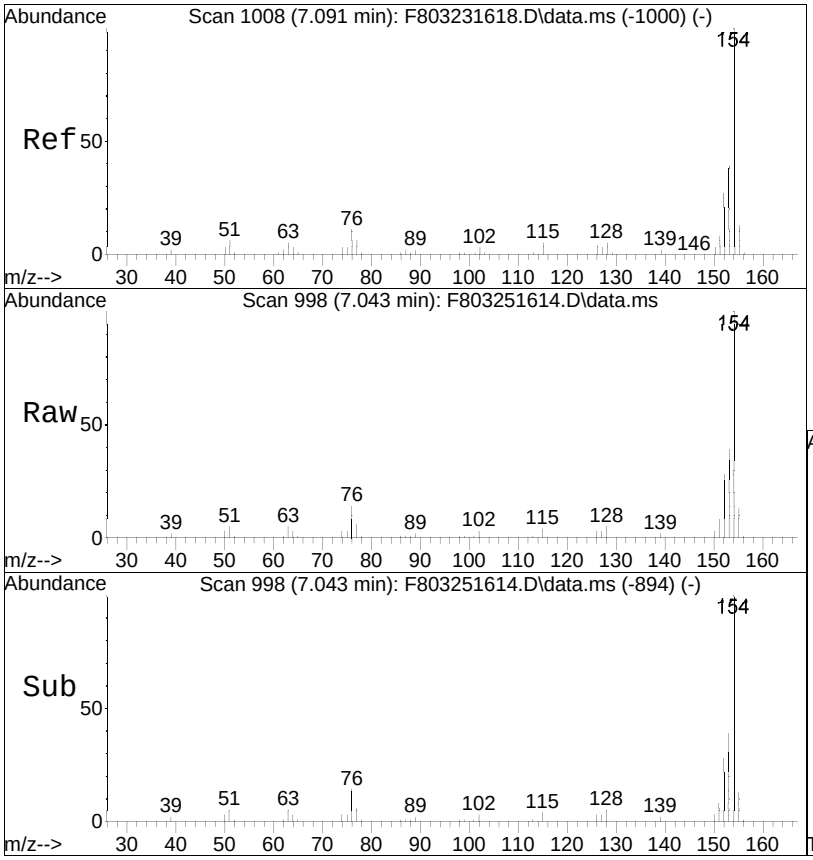


#35
Caprolactam
Concen: 10.66 ug/ml
RT: 6.296 min Scan# 843
Delta R.T. 0.000 min
Lab File: F803251614.D
Acq: 25 Mar 2016 11:39 pm

Tgt Ion:113 Resp: 428283

Ion	Ratio	Lower	Upper
113	100		
55	116.6	92.7	139.1
56	84.9	66.8	100.2

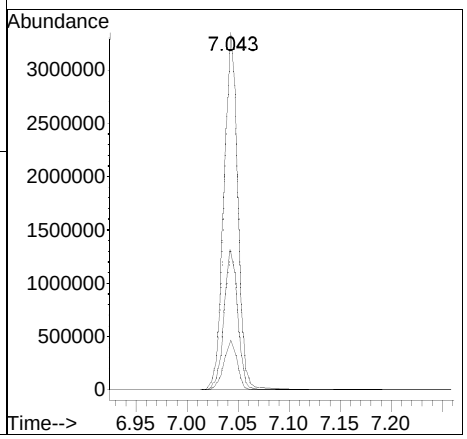


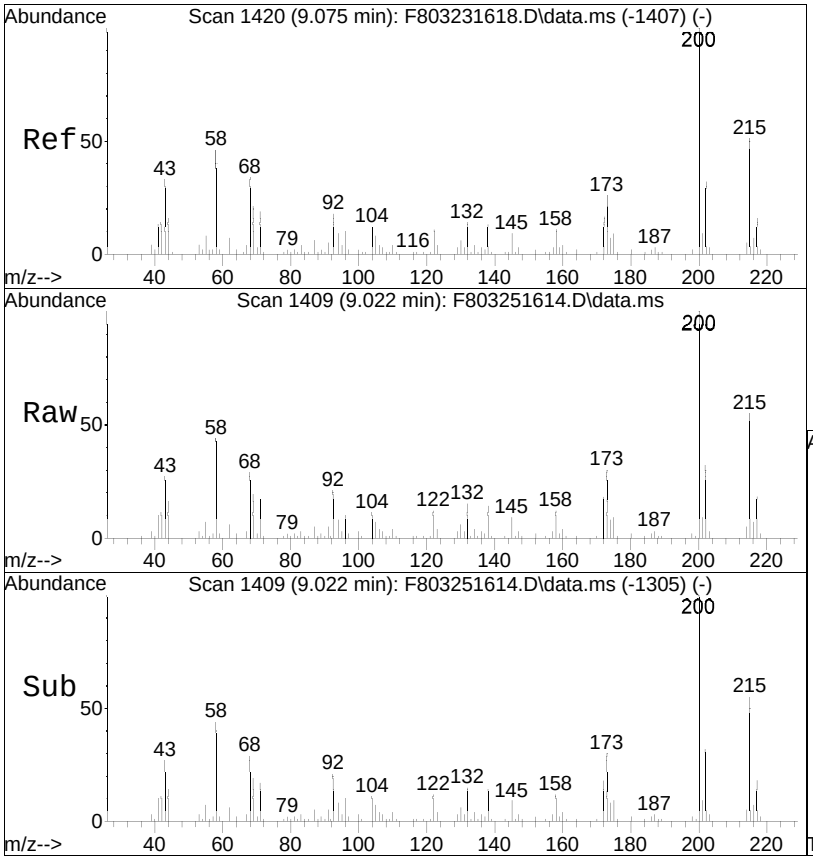


#44
Biphenyl
Concen: 10.53 ug/ml
RT: 7.043 min Scan# 998
Delta R.T. -0.000 min
Lab File: F803251614.D
Acq: 25 Mar 2016 11:39 pm

Tgt Ion:154 Resp: 3166386

Ion	Ratio	Lower	Upper
154	100		
153	39.0	31.6	47.4
76	13.6	11.1	16.7

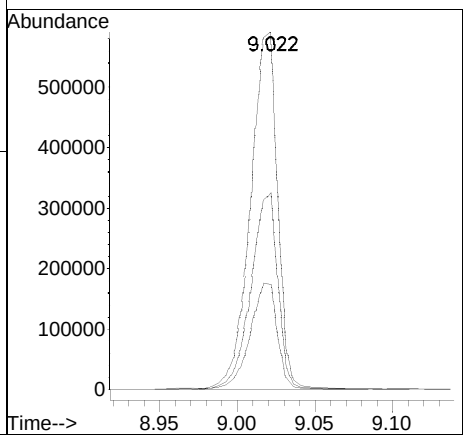


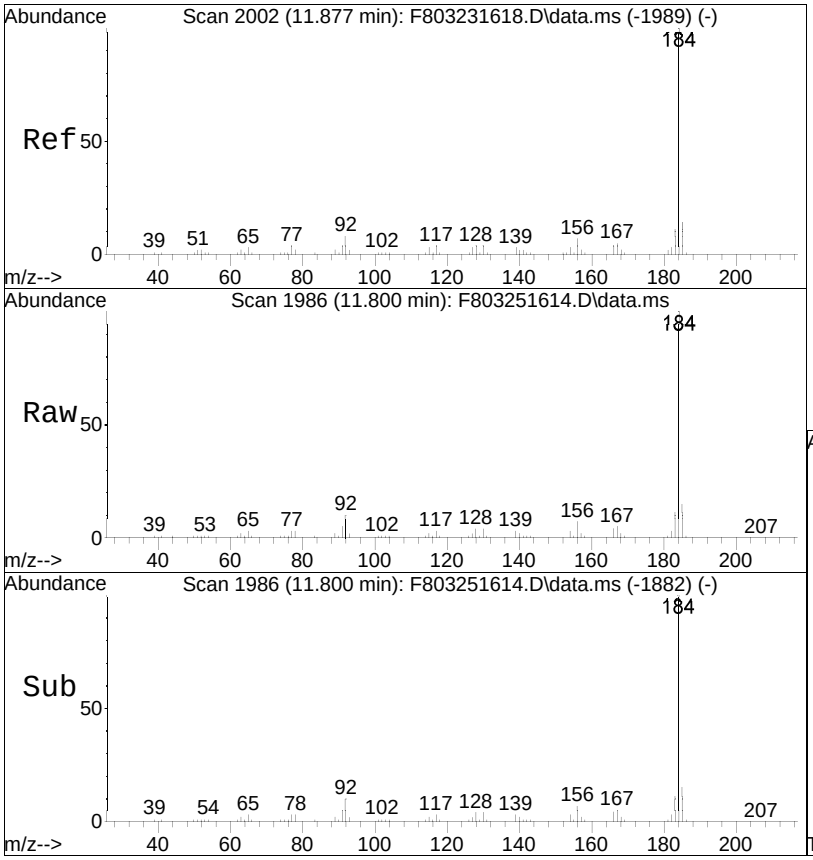


#68
Atrazine
Concen: 10.90 ug/ml M4
RT: 9.022 min Scan# 1409
Delta R.T. -0.000 min
Lab File: F803251614.D
Acq: 25 Mar 2016 11:39 pm

Tgt Ion:200 Resp: 711746

Ion	Ratio	Lower	Upper
200	100		
173	29.8	23.7	35.5
215	55.0	44.1	66.1

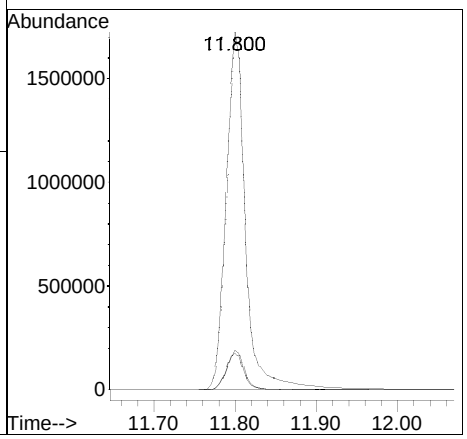


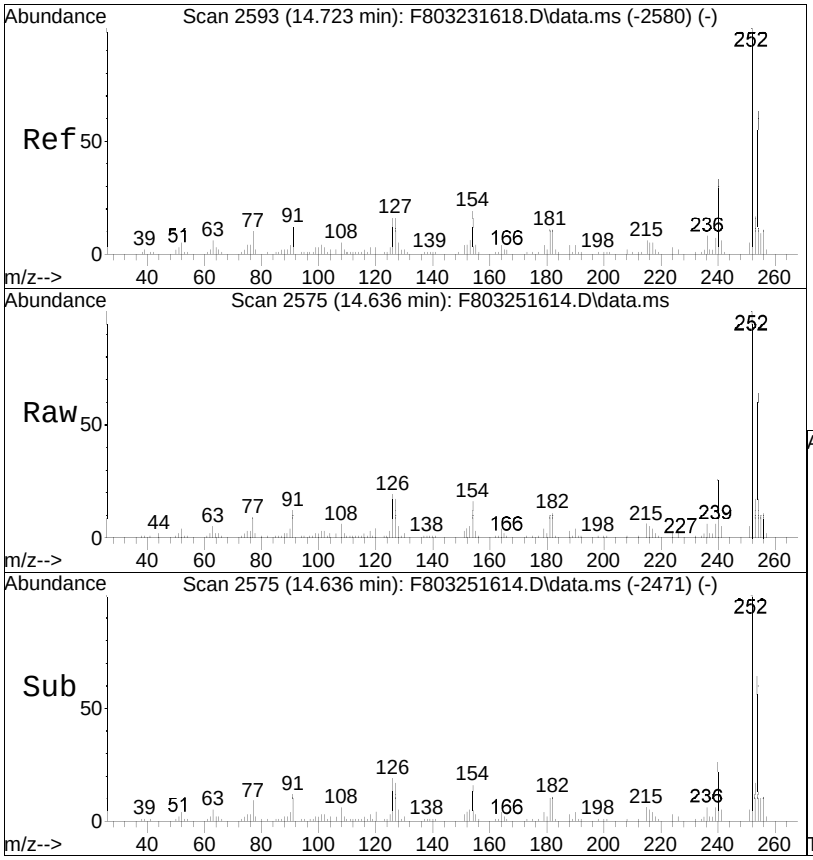


#77
Benzidine
Concen: 10.22 ug/mL
RT: 11.800 min Scan# 1986
Delta R.T. 0.000 min
Lab File: F803251614.D
Acq: 25 Mar 2016 11:39 pm

Tgt Ion:184 Resp: 2819861

Ion	Ratio	Lower	Upper
184	100		
183	10.8	8.9	13.3
92	10.2	8.4	12.6

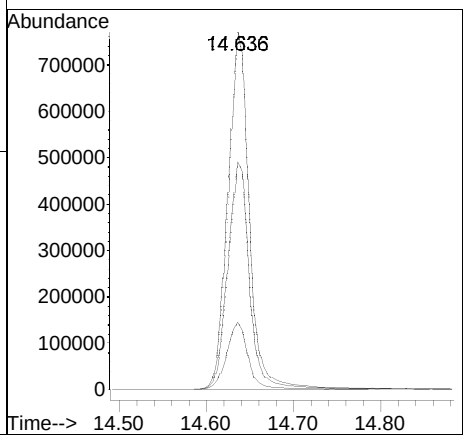




#81
3,3'-Dichlorobenzidine
Concen: 11.10 ug/mL
RT: 14.636 min Scan# 2575
Delta R.T. 0.000 min
Lab File: F803251614.D
Acq: 25 Mar 2016 11:39 pm

Tgt Ion:252 Resp: 1299231

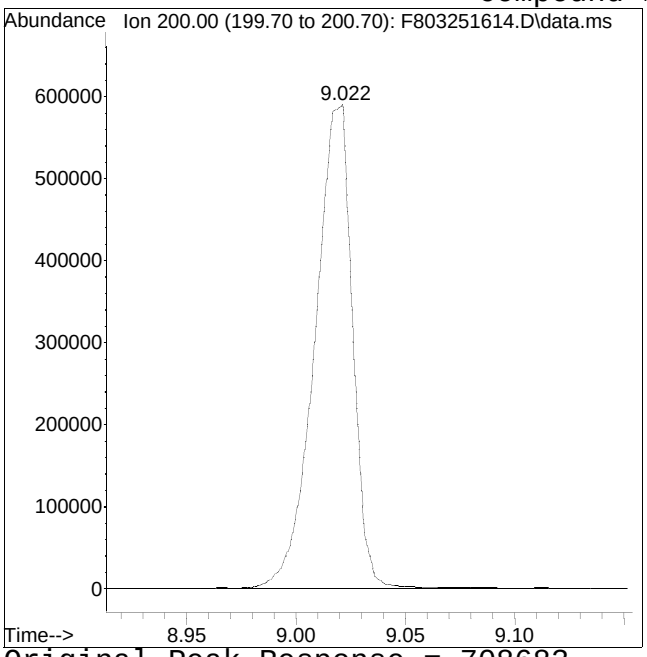
Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.0	76.4
126	18.9	15.2	22.8



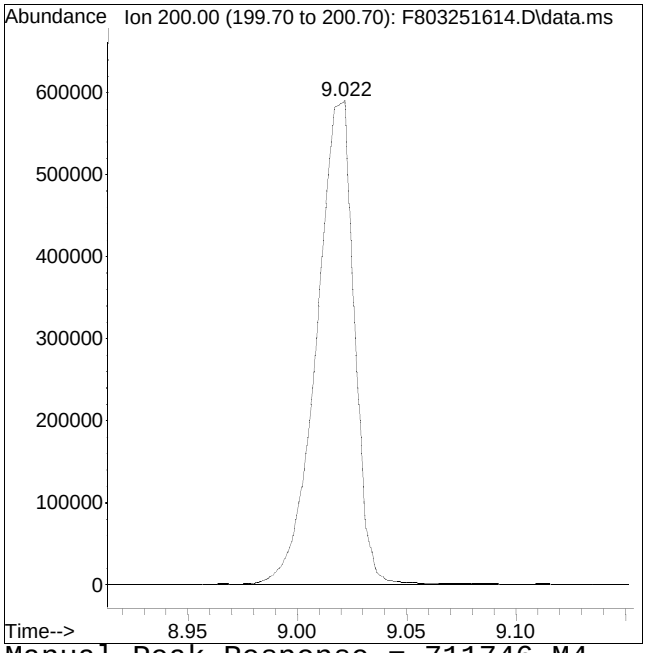
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251614.D Operator : BNA8:ML
Date Inj'd : 3/25/2016 11:39 pm Instrument : BNA8
Sample : I803251613 Quant Date : 3/27/2016 4:06 pm

Compound #68: Atrazine



Original Peak Response = 708683



Manual Peak Response = 711746 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251615.D
Acq On : 26 Mar 2016 12:10 am
Operator : BNA8:ML
Sample : I803251614
Misc : WG877805,MSAI24
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 27 16:07:10 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:07 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.755	152	615262	5.000	ug/mL	0.00
21) Naphthalene-d8	5.911	136	2314323	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.606	164	1078446	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.397	188	1939455	5.000	ug/mL	0.00
76) Chrysene-d12	14.617	240	1765236	5.000	ug/mL	0.00
85) Perylene-d12	17.708	264	1560922	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.389	77	1610023	15.009	ug/ml	99
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D. d		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D. d		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D. d		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	5.107	105	2646039	15.493	ug/ml	99
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D. d		
23) Nitrobenzene	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251615.D
Acq On : 26 Mar 2016 12:10 am
Operator : BNA8:ML
Sample : I803251614
Misc : WG877805,MSAI24
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 27 16:07:10 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:07 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D. d		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.301	113	627978	16.278	ug/ml	99
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	7.042	154	4367218	14.781	ug/ml	99
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D. d		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D. d		
51) 3-Nitroaniline	0.000		0	N.D. d		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D. d		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D. d		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D. d		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	9.021	200	1046753	16.616	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251615.D
Acq On : 26 Mar 2016 12:10 am
Operator : BNA8:ML
Sample : I803251614
Misc : WG877805,MSAI24
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 27 16:07:10 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:07 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D. d		
72) Anthracene	0.000		0	N.D. d		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D. d		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.805	184	4187028	15.412	ug/mL	99
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	14.641	252	1949112	17.134	ug/mL	100
82) Benz[a]anthracene	0.000		0	N.D. d		
83) Chrysene	0.000		0	N.D. d		
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D. d		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D. d		
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

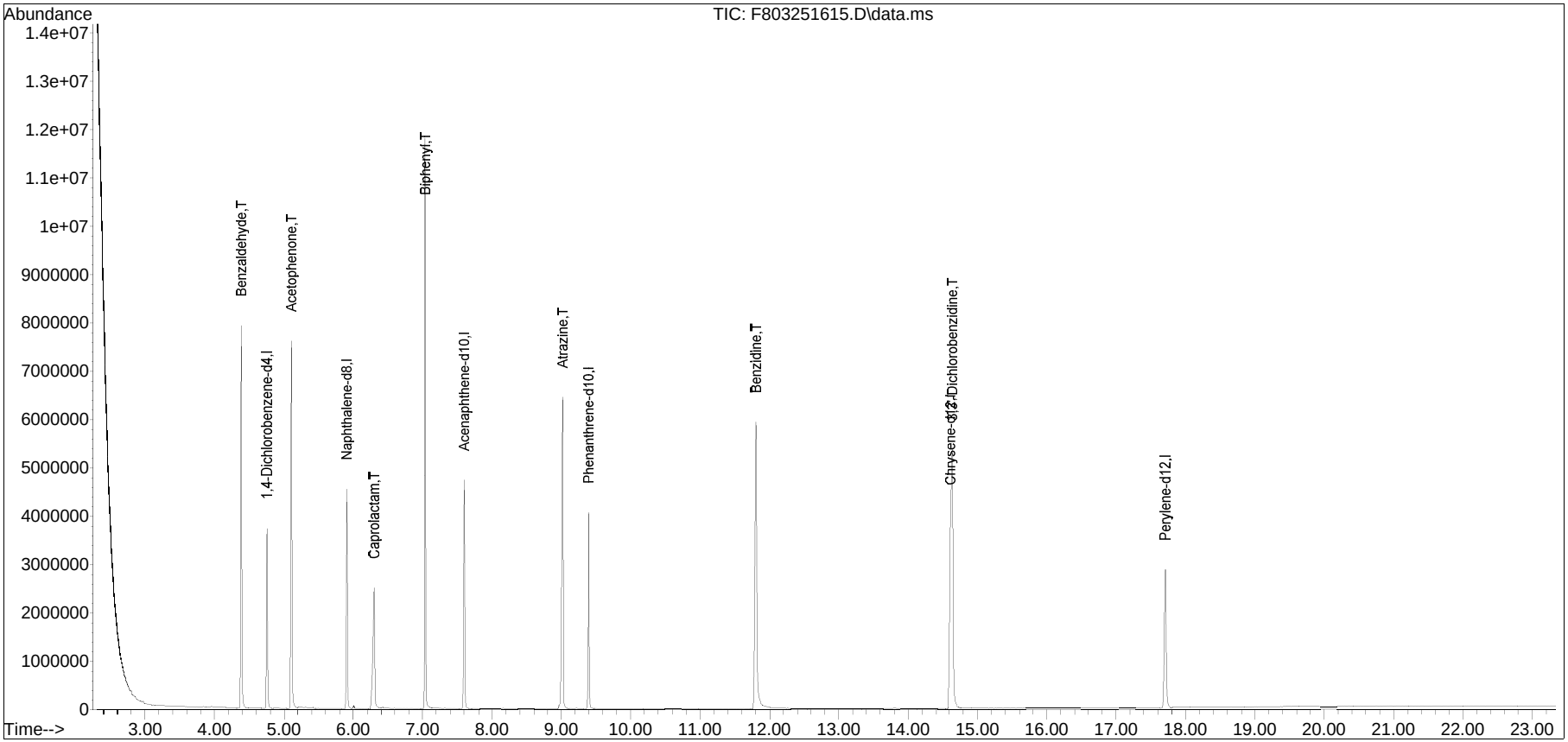
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251615.D
Acq On : 26 Mar 2016 12:10 am
Operator : BNA8:ML
Sample : I803251614
Misc : WG877805,MSAI24
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 27 16:07:10 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:07 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\BNA8\2016\	QMethod	: SV0325BNA8.M
Data File	: F803251615.D	Operator	: BNA8:ML
Date Inj'd	: 3/26/2016 12:10 am	Instrument	: BNA8
Sample	: I803251614	Quant Date	: 3/27/2016 4:07 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251616.D
Acq On : 26 Mar 2016 12:41 am
Operator : BNA8:ML
Sample : I803251615
Misc : WG877805,MSAI23
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 27 16:07:17 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.755	152	625193	5.000	ug/mL	0.00
21) Naphthalene-d8	5.911	136	2369850	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.606	164	1084727	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.397	188	1983965	5.000	ug/mL	0.00
76) Chrysene-d12	14.617	240	1805000	5.000	ug/mL	0.00
85) Perylene-d12	17.709	264	1600177	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.389	77	2491055	22.853	ug/ml	99
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D. d		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D. d		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D. d		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	5.107	105	4159814	23.969	ug/ml	99
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D. d		
23) Nitrobenzene	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251616.D
Acq On : 26 Mar 2016 12:41 am
Operator : BNA8:ML
Sample : I803251615
Misc : WG877805,MSAI23
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 27 16:07:17 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D. d		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D. d		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.316	113	1048453	26.540	ug/ml	98
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	7.047	154	6403366	21.547	ug/ml	99
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D. d		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D. d		
51) 3-Nitroaniline	0.000		0	N.D. d		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D. d		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D. d		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D. d		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	9.031	200	1703893	26.440	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251616.D
Acq On : 26 Mar 2016 12:41 am
Operator : BNA8:ML
Sample : I803251615
Misc : WG877805,MSAI23
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 27 16:07:17 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D. d		
72) Anthracene	0.000		0	N.D. d		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D. d		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.815	184	6930119	24.715	ug/mL	100
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	14.651	252	3225963	27.734	ug/mL	100
82) Benz[a]anthracene	0.000		0	N.D. d		
83) Chrysene	0.000		0	N.D. d		
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D. d		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D. d		
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

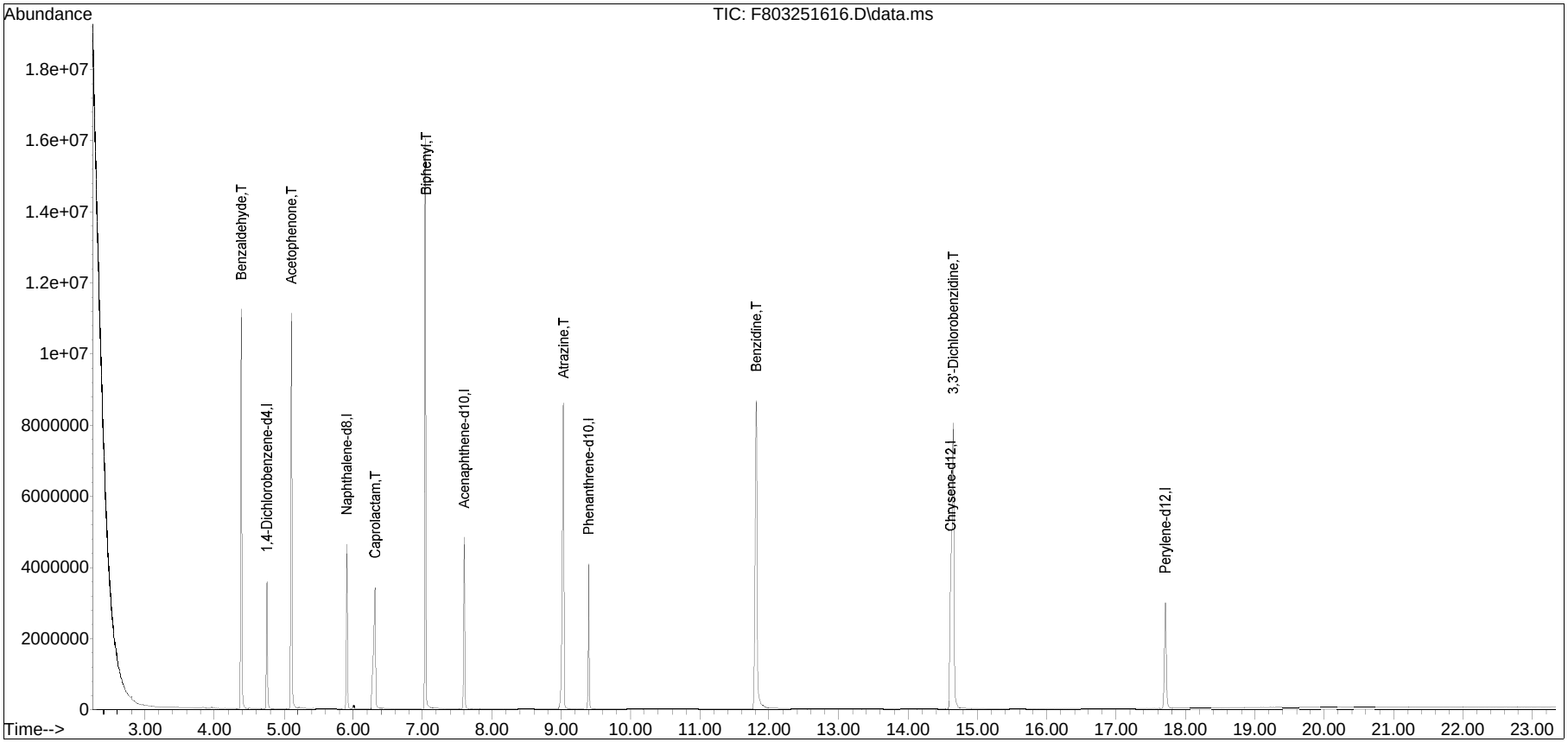
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251616.D
Acq On : 26 Mar 2016 12:41 am
Operator : BNA8:ML
Sample : I803251615
Misc : WG877805,MSAI23
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 27 16:07:17 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\BNA8\2016\	QMethod	: SV0325BNA8.M
Data File	: F803251616.D	Operator	: BNA8:ML
Date Inj'd	: 3/26/2016 12:41 am	Instrument	: BNA8
Sample	: I803251615	Quant Date	: 3/27/2016 4:07 pm

There are no manual integrations or false positives in this file.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251617.D
Acq On : 26 Mar 2016 1:12 am
Operator : BNA8:ML
Sample : CQ803251601
Misc : WG877805,MSAI01
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 27 16:07:24 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:21 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4		1.000	1.000	0.0	110	0.00
2	T	N-Nitrosodimethylamine		0.657	0.690	-5.0	113	-0.02
3	t	Pyridine		1.220	1.192	2.3	106	-0.01
4	S	2-Fluorophenol		1.110	0.000	100.0#	0#	-3.69#
5	T	Benzaldehyde		0.872	0.000	100.0#	0#	-4.39#
6	T	Aniline		1.579	1.670	-5.8	117	0.00
7	T	bis(2-Chloroethyl)ether		0.722	0.733	-1.5	108	0.00
8	S	Phenol-d5		1.340	0.000	100.0#	0#	-4.41#
9	MC	Phenol		1.422	1.407	1.1#	103	0.00
10	M	2-Chlorophenol		1.225	1.212	1.1	105	0.00
11	T	1,3-Dichlorobenzene		1.308	1.315	-0.5	106	0.00
12	MC	1,4-Dichlorobenzene		1.305	1.312	-0.5#	107	0.00
13	T	1,2-Dichlorobenzene		1.231	1.235	-0.3	106	0.00
14	T	Benzyl alcohol		0.723	0.730	-1.0	108	0.00
15	T	bis(2-chloroisopropyl)ether		1.225	1.154	5.8	102	0.00
16	T	2-Methylphenol		0.968	1.007	-4.0	112	0.00
17	T	Acetophenone		1.388	1.337	3.7	89	0.00
18	T	Hexachloroethane		0.504	0.497	1.4	105	0.00
19	MP	N-Nitroso-di-n-propylamine		0.724	0.671	7.3	102	0.00
20	T	4-Methylphenol		1.029	1.024	0.5	106	0.00
21	I	Naphthalene-d8		1.000	1.000	0.0	107	0.00
22	S	Nitrobenzene-d5		0.240	0.000	100.0#	0#	-5.25#
23	T	Nitrobenzene		0.249	0.253	-1.6	102	0.00
24	T	Isophorone		0.447	0.539	-20.6	126	0.00
25	TC	2-Nitrophenol	*	10.000	9.759	2.4#	104	0.00
26	T	2,4-Dimethylphenol		0.243	0.277	-14.0	120	0.00
27	T	Benzoic acid	*	10.000	0.000	100.0#	0	-5.67#
28	T	bis(2-Chloroethoxy)methane		0.314	0.323	-2.9	107	0.00
29	TC	2,4-Dichlorophenol		0.235	0.236	-0.4#	102	0.00
30	M	1,2,4-Trichlorobenzene		0.252	0.254	-0.8	105	0.00
31	T	Naphthalene		0.825	0.839	-1.7	105	0.00
32	T	2-Chloroaniline		0.433	0.395	8.8	94	0.00
33	T	4-Chloroaniline		0.355	0.371	-4.5	108	0.00
34	TC	Hexachlorobutadiene		0.122	0.123	-0.8#	105	0.00
35	T	Caprolactam		0.083	0.079	4.8	82	0.02
36	MC	4-Chloro-3-methylphenol		0.228	0.233	-2.2#	103	0.00
37	T	2-Methylnaphthalene		0.539	0.580	-7.6	109	0.00

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251617.D
Acq On : 26 Mar 2016 1:12 am
Operator : BNA8:ML
Sample : CQ803251601
Misc : WG877805,MSAI01
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 27 16:07:24 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:21 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
38	I	Acenaphthene-d10		1.000	1.000	0.0	105	0.00
39	T	1,2,4,5-Tetrachlorobenzene		0.451	0.506	-12.2	111	0.00
40	TP	Hexachlorocyclopentadiene		0.243	0.280	-15.2	109	0.00
41	TC	2,4,6-Trichlorophenol		0.345	0.362	-4.9#	102	0.00
42	T	2,4,5-Trichlorophenol		0.342	0.349	-2.0	100	0.00
43	S	2-Fluorobiphenyl		1.165	0.000	100.0#	0#	-6.95#
44	T	Biphenyl		1.370	1.380	-0.7	88	0.00
45	T	2-Chloronaphthalene		1.091	1.105	-1.3	102	0.00
46	T	2-Nitroaniline		0.227	0.251	-10.6	103	0.00
47	T	Acenaphthylene		1.801	1.774	1.5	98	0.00
48	T	Dimethylphthalate		1.170	1.206	-3.1	105	0.00
49	T	2,6-Dinitrotoluene	*	10.000	10.708	-7.1	112	0.00
50	MC	Acenaphthene		1.075	1.064	1.0#	99	0.00
51	T	3-Nitroaniline	*	10.000	10.925	-9.3	114	0.00
52	TP	2,4-Dinitrophenol	*	10.000	7.783	22.2	79	0.00
53	T	Dibenzofuran		1.392	1.487	-6.8	107	0.00
54		2,3,4,6-Tetrachlorophenol		0.213	0.270	-26.8	120	0.00
55	M	2,4-Dinitrotoluene	*	10.000	10.258	-2.6	108	0.00
56	MP	4-Nitrophenol	*	10.000	9.001	10.0	99	0.00
57	T	Fluorene		1.143	1.206	-5.5	104	0.00
58	T	4-Chlorophenyl-phenylether		0.493	0.517	-4.9	104	0.00
59	T	Diethylphthalate		1.236	1.249	-1.1	103	0.00
60	T	4-Nitroaniline	*	10.000	10.286	-2.9	108	0.00
61	I	Phenanthrene-d10		1.000	1.000	0.0	105	0.00
62	T	4,6-Dinitro-2-methylphenol	*	10.000	8.930	10.7	98	0.00
63	T	Azobenzene		0.174	0.168	3.4	98	0.00
64	TC	n-Nitrosodiphenylamine		0.454	0.555	-22.2#	124	0.00
65	S	2,4,6-Tribromophenol		0.061	0.000	100.0#	0#	-8.47#
66	T	4-Bromophenyl-phenylether		0.158	0.161	-1.9	103	0.00
67	T	Hexachlorobenzene		0.161	0.162	-0.6	103	0.00
68	T	Atrazine		0.162	0.166	-2.5	88	0.00
69	MC	Pentachlorophenol	*	10.000	7.701	23.0#	82	0.00
70	T	Pentachloronitrobenzene	*	10.000	10.402	-4.0	108	0.00
71	T	Phenanthrene		0.910	0.936	-2.9	104	0.00
72	T	Anthracene		0.926	0.926	0.0	100	0.00
73	T	Carbazole		0.906	0.921	-1.7	102	0.00
74	T	Di-n-butylphthalate		1.120	1.169	-4.4	103	0.00
75	TC	Fluoranthene		0.962	0.970	-0.8#	101	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251617.D
Acq On : 26 Mar 2016 1:12 am
Operator : BNA8:ML
Sample : CQ803251601
Misc : WG877805,MSAI01
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 27 16:07:24 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:21 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
76	I	Chrysene-d12	1.000	1.000	0.0	106	0.01
77	T	Benzidine	* 10.000	0.000	100.0#	0	-11.80#
78	M	Pyrene	1.081	1.076	0.5	102	0.00
79	S	Terphenyl-d14	0.639	0.000	100.0#	0#	-12.32#
80	T	Butylbenzylphthalate	0.546	0.541	0.9	98	0.00
81	T	3,3'-Dichlorobenzidine	0.322	0.247	23.3	68	0.00
82	T	Benz[a]anthracene	0.989	0.962	2.7	101	0.00
83	T	Chrysene	0.952	0.873	8.3	94	0.00
84	T	bis(2-Ethylhexyl)phthalate	0.733	0.761	-3.8	101	0.00
85	I	Perylene-d12	1.000	1.000	0.0	102	0.00
86	TC	Di-n-octylphthalate	1.278	1.374	-7.5#	95	0.00
87	T	Benzo[b]fluoranthene	0.954	0.954	0.0	97	0.00
88	T	Benzo[k]fluoranthene	0.926	0.970	-4.8	98	0.00
89	TC	Benzo[a]pyrene	0.916	0.934	-2.0#	97	0.00
90	T	Indeno[1,2,3-cd]pyrene	0.810	0.796	1.7	92	0.00
91	T	Dibenz[a,h]anthracene	0.808	0.831	-2.8	95	0.00
92	T	Benzo[g,h,i]perylene	0.852	0.880	-3.3	97	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 13

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	1.00	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.81	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251617.D
Acq On : 26 Mar 2016 1:12 am
Operator : BNA8:ML
Sample : CQ803251601
Misc : WG877805,MSAI01
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 27 16:07:24 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:21 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.755	152	608863	5.000	ug/mL	0.00
21) Naphthalene-d8	5.911	136	2231281	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.611	164	1007025	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.402	188	1879357	5.000	ug/mL	0.00
76) Chrysene-d12	14.632	240	1784714	5.000	ug/mL	0.01
85) Perylene-d12	17.713	264	1612823	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.771	74	840145	10.508	ug/mL#	97
3) Pyridine	2.791	79	1451365	9.772	ug/mL	99
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.471	93	2033898	10.580	ug/ml	99
7) bis(2-Chloroethyl)ether	4.519	63	892831	10.157	ug/mL	99
9) Phenol	4.428	94	1713368	9.897	ug/mL	99
10) 2-Chlorophenol	4.572	128	1476276	9.899	ug/mL	98
11) 1,3-Dichlorobenzene	4.707	146	1601418	10.053	ug/mL	100
12) 1,4-Dichlorobenzene	4.770	146	1597751	10.058	ug/mL	99
13) 1,2-Dichlorobenzene	4.905	146	1504157	10.034	ug/mL	100
14) Benzyl alcohol	4.866	108	888778	10.099	ug/mL	99
15) bis(2-chloroisopropyl)eth	4.986	45	1405295	9.421	ug/mL	98
16) 2-Methylphenol	4.953	108	1225731	10.395	ug/mL	99
17) Acetophenone	5.107	105	1628037	9.632	ug/ml#	76
18) Hexachloroethane	5.203	117	605809	9.868	ug/mL	99
19) N-Nitroso-di-n-propylamin	5.107	70	817175	9.268	ug/mL	98
20) 4-Methylphenol	5.092	108	1247203	9.956	ug/mL	90
23) Nitrobenzene	5.261	77	1129165	10.160	ug/mL	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251617.D
Acq On : 26 Mar 2016 1:12 am
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Sample : CQ803251601
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Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:21 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.482	82	2405748	12.056	ug/mL	99
25) 2-Nitrophenol	5.555	139	651485	9.759	ug/mL	97
26) 2,4-Dimethylphenol	5.584	107	1234509	11.375	ug/mL	98
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	5.680	93	1443335	10.303	ug/mL	99
29) 2,4-Dichlorophenol	5.771	162	1054291	10.043	ug/mL	99
30) 1,2,4-Trichlorobenzene	5.858	180	1131681	10.074	ug/mL	100
31) Naphthalene	5.935	128	3744630	10.168	ug/mL	100
32) 2-Chloroaniline	5.521	127	1761190	9.117	ug/ml	99
33) 4-Chloroaniline	5.978	127	1656945	10.445	ug/mL	99
34) Hexachlorobutadiene	6.046	225	550131	10.097	ug/mL	100
35) Caprolactam	6.320	113	351944M3	9.462	ug/ml	
36) 4-Chloro-3-methylphenol	6.441	107	1041142	10.240	ug/mL	99
37) 2-Methylnaphthalene	6.595	142	2587743	10.753	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.754	216	1018613	11.209	ug/mL	100
40) Hexachlorocyclopentadiene	6.744	237	563293	11.509	ug/mL	98
41) 2,4,6-Trichlorophenol	6.860	196	730030	10.491	ug/mL	100
42) 2,4,5-Trichlorophenol	6.893	196	702181	10.183	ug/mL	100
44) Biphenyl	7.043	154	2779627	10.075	ug/ml	99
45) 2-Chloronaphthalene	7.062	162	2224610	10.121	ug/mL	97
46) 2-Nitroaniline	7.163	65	506041	11.063	ug/mL	96
47) Acenaphthylene	7.471	152	3572438	9.848	ug/mL	99
48) Dimethylphthalate	7.346	163	2428001	10.301	ug/mL	100
49) 2,6-Dinitrotoluene	7.404	165	558635	10.708	ug/mL	98
50) Acenaphthene	7.645	153	2142215	9.890	ug/mL	99
51) 3-Nitroaniline	7.567	138	659427	10.925	ug/mL	93
52) 2,4-Dinitrophenol	7.669	184	173228	7.783	ug/mL	92
53) Dibenzofuran	7.823	168	2994164	10.678	ug/mL	99
54) 2,3,4,6-Tetrachlorophenol	7.948	232	544239	12.669	ug/mL	98
55) 2,4-Dinitrotoluene	7.808	165	717742	10.258	ug/mL#	81
56) 4-Nitrophenol	7.726	109	260589	9.001	ug/mL	98
57) Fluorene	8.193	166	2428264	10.549	ug/mL	100
58) 4-Chlorophenyl-phenylethe	8.198	204	1042018	10.496	ug/mL	98
59) Diethylphthalate	8.073	149	2516221	10.105	ug/mL	99
60) 4-Nitroaniline	8.218	138	655210	10.286	ug/mL	99
62) 4,6-Dinitro-2-methylpheno	8.251	198	309617	8.930	ug/mL	100
63) Azobenzene	8.381	182	630563	9.636	ug/mL	96
64) n-Nitrosodiphenylamine	8.333	169	2085255	12.231	ug/mL	99
66) 4-Bromophenyl-phenylether	8.791	248	604317	10.150	ug/mL	98
67) Hexachlorobenzene	8.863	284	610678	10.095	ug/mL	96
68) Atrazine	9.022	200	623267	10.210	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251617.D
Acq On : 26 Mar 2016 1:12 am
Operator : BNA8:ML
Sample : CQ803251601
Misc : WG877805,MSAI01
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 27 16:07:24 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:21 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	9.128	266	361175	7.701	ug/mL	99
70) Pentachloronitrobenzene	9.147	237	236508	10.402	ug/ml	94
71) Phenanthrene	9.436	178	3519272	10.291	ug/mL	100
72) Anthracene	9.513	178	3480766	10.004	ug/mL	100
73) Carbazole	9.763	167	3462004	10.164	ug/mL	100
74) Di-n-butylphthalate	10.394	149	4395622	10.439	ug/mL	100
75) Fluoranthene	11.473	202	3646828	10.088	ug/mL	99
77) Benzidine	0.000		0	N.D.	d	
78) Pyrene	11.916	202	3839218	9.952	ug/mL	99
80) Butylbenzylphthalate	13.510	149	1929448	9.903	ug/mL	99
81) 3,3'-Dichlorobenzidine	14.636	252	880285	7.654	ug/mL	99
82) Benz[a]anthracene	14.607	228	3434953	9.734	ug/mL	100
83) Chrysene	14.689	228	3115577	9.168	ug/mL	99
84) bis(2-Ethylhexyl)phthalat	14.978	149	2715955	10.378	ug/mL	100
86) Di-n-octylphthalate	16.490	149	4433356	10.756	ug/mL	99
87) Benzo[b]fluoranthene	16.986	252	3077608	10.001	ug/mL	100
88) Benzo[k]fluoranthene	17.044	252	3130350	10.477	ug/mL	100
89) Benzo[a]pyrene	17.607	252	3013462	10.198	ug/mL	99
90) Indeno[1,2,3-cd]pyrene	19.524	276	2566688	9.822	ug/mL	100
91) Dibenz[a,h]anthracene	19.582	278	2681396M4	10.283	ug/mL	
92) Benzo[g,h,i]perylene	19.948	276	2838700	10.324	ug/mL	99

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

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Quant Title : Semivolatiles by GC/MS by modified 8270
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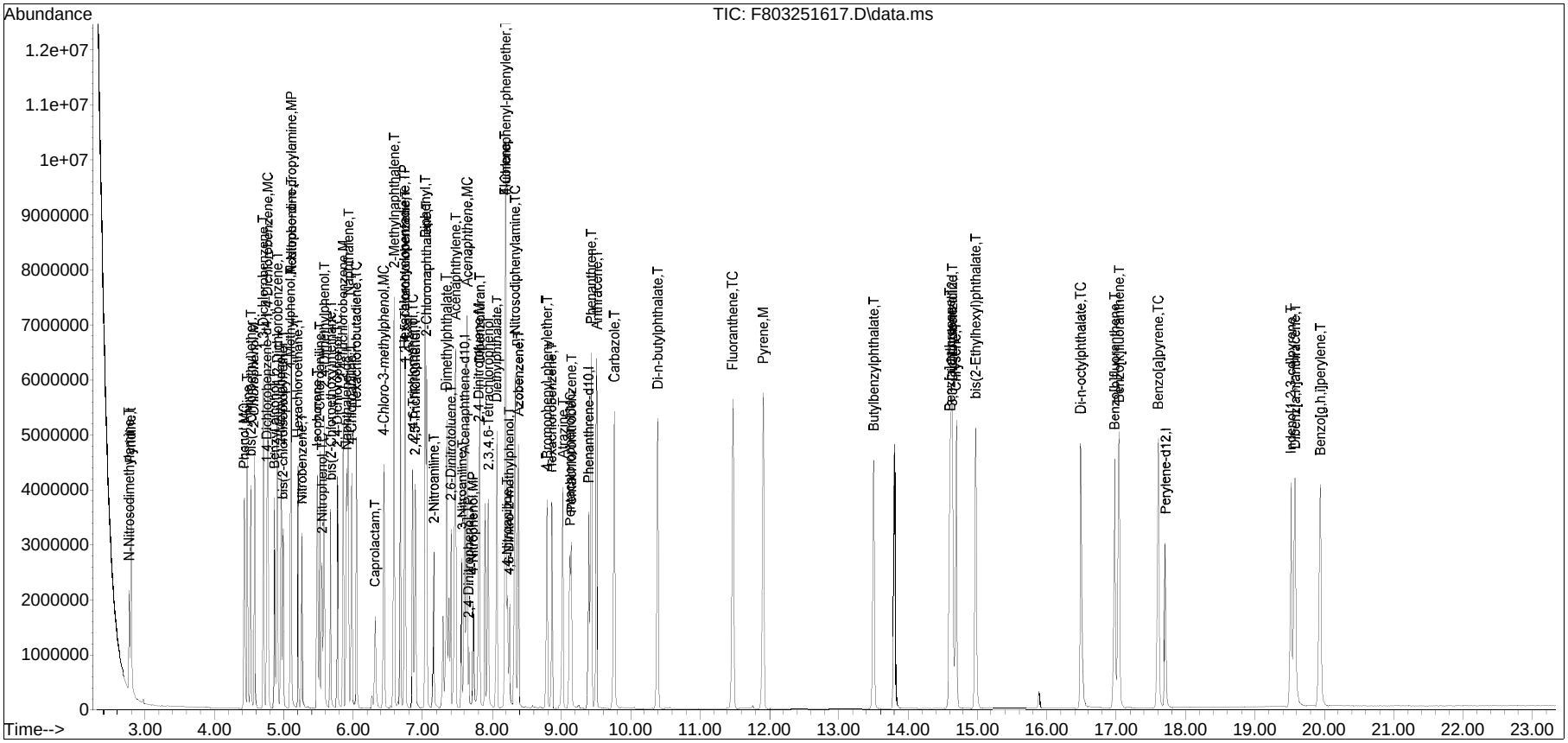
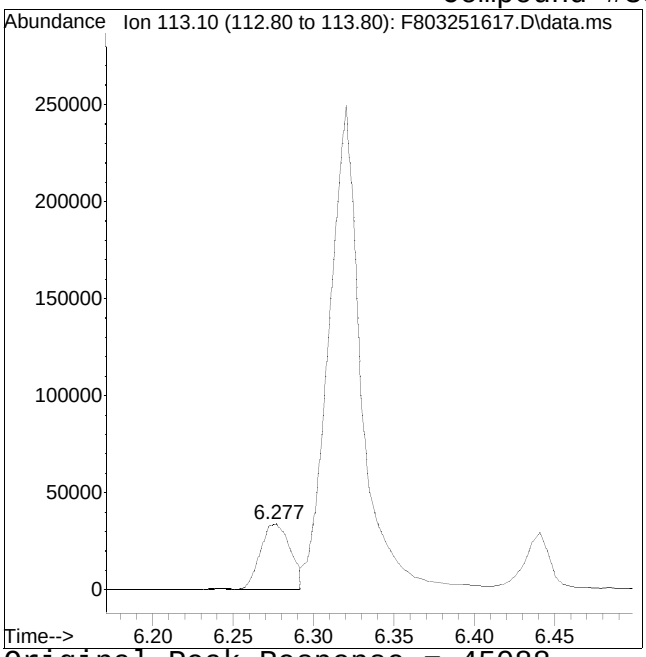
Sub List : Default - All compounds listed

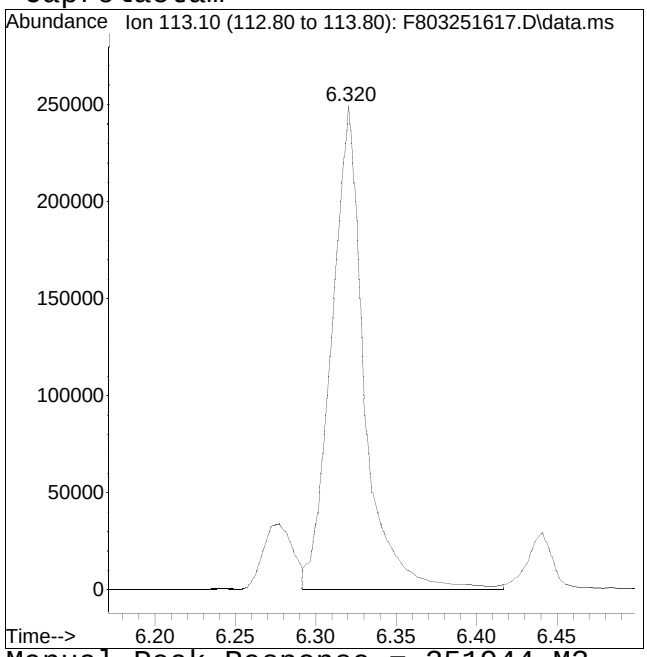


Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251617.D Operator : BNA8:ML
Date Inj'd : 3/26/2016 1:12 am Instrument : BNA8
Sample : CQ803251601 Quant Date : 3/27/2016 4:07 pm

Compound #35: Caprolactam



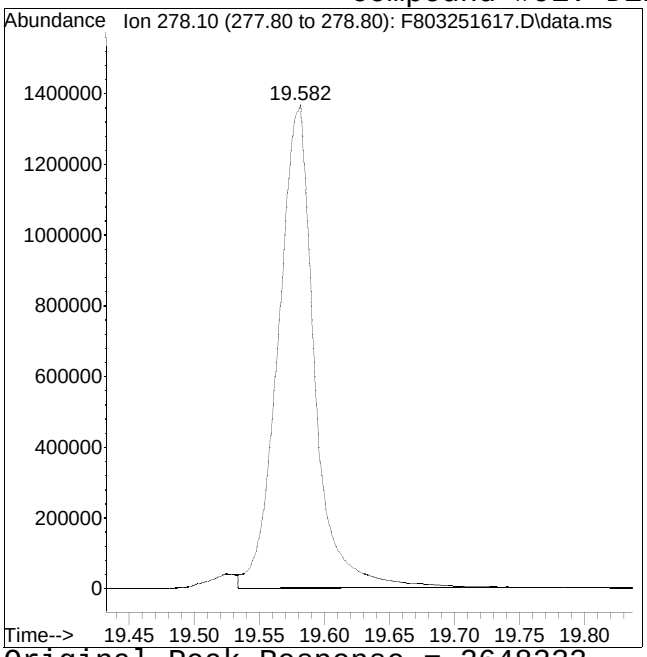


Original Peak Response = 45088 Manual Peak Response = 351944 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

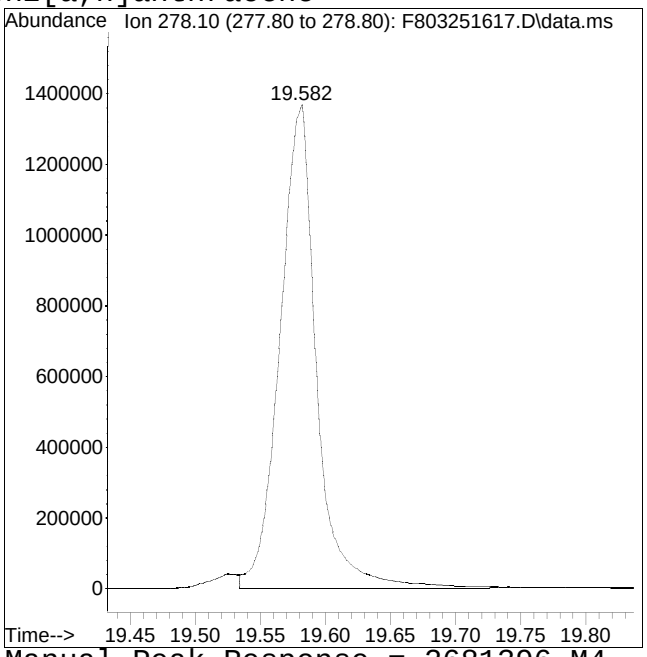
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251617.D Operator : BNA8:ML
Date Inj'd : 3/26/2016 1:12 am Instrument : BNA8
Sample : CQ803251601 Quant Date : 3/27/2016 4:07 pm

Compound #91: Dibenz[a,h]anthracene



Original Peak Response = 2648233



Manual Peak Response = 2681396 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251618.D
Acq On : 26 Mar 2016 1:43 am
Operator : BNA8:ML
Sample : CQ803251602
Misc : WG877805,MSAH61
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 27 16:07:31 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:28 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00
2	T	N-Nitrosodimethylamine	0.657	0.000	100.0#	0#	-2.79#
3	t	Pyridine	1.220	0.000	100.0#	0#	-2.81#
4	S	2-Fluorophenol	1.110	0.000	100.0#	0#	-3.69#
5	T	Benzaldehyde	0.872	0.000	100.0#	0#	-4.39#
6	T	Aniline	1.579	0.000	100.0#	0#	-4.47#
7	T	bis(2-Chloroethyl)ether	0.722	0.000	100.0#	0#	-4.52#
8	S	Phenol-d5	1.340	0.000	100.0#	0#	-4.41#
9	MC	Phenol	1.422	0.000	100.0#	0#	-4.43#
10	M	2-Chlorophenol	1.225	0.000	100.0#	0#	-4.57#
11	T	1,3-Dichlorobenzene	1.308	0.000	100.0#	0#	-4.70#
12	MC	1,4-Dichlorobenzene	1.305	0.000	100.0#	0#	-4.77#
13	T	1,2-Dichlorobenzene	1.231	0.000	100.0#	0#	-4.90#
14	T	Benzyl alcohol	0.723	0.000	100.0#	0#	-4.87#
15	T	bis(2-chloroisopropyl)ether	1.225	0.000	100.0#	0#	-4.99#
16	T	2-Methylphenol	0.968	0.000	100.0#	0#	-4.95#
17	T	Acetophenone	1.388	0.000	100.0#	0#	-5.11#
18	T	Hexachloroethane	0.504	0.000	100.0#	0#	-5.20#
19	MP	N-Nitroso-di-n-propylamine	0.724	0.000	100.0#	0#	-5.11#
20	T	4-Methylphenol	1.029	0.000	100.0#	0#	-5.09#
21	I	Naphthalene-d8	1.000	1.000	0.0	109	0.00
22	S	Nitrobenzene-d5	0.240	0.000	100.0#	0#	-5.25#
23	T	Nitrobenzene	0.249	0.000	100.0#	0#	-5.26#
24	T	Isophorone	0.447	0.000	100.0#	0#	-5.48#
25	TC	2-Nitrophenol	* 10.000	0.000	100.0#	0	-5.55#
26	T	2,4-Dimethylphenol	0.243	0.000	100.0#	0#	-5.58#
27	T	Benzoic acid	* 10.000	8.643	13.6	95	0.00
28	T	bis(2-Chloroethoxy)methane	0.314	0.000	100.0#	0#	-5.67#
29	TC	2,4-Dichlorophenol	0.235	0.000	100.0#	0#	-5.77#
30	M	1,2,4-Trichlorobenzene	0.252	0.000	100.0#	0#	-5.86#
31	T	Naphthalene	0.825	0.000	100.0#	0#	-5.93#
32	T	2-Chloroaniline	0.433	0.000	100.0#	0#	-5.52#
33	T	4-Chloroaniline	0.355	0.000	100.0#	0#	-5.98#
34	TC	Hexachlorobutadiene	0.122	0.000	100.0#	0#	-6.05#
35	T	Caprolactam	0.083	0.000	100.0#	0#	-6.30#
36	MC	4-Chloro-3-methylphenol	0.228	0.000	100.0#	0#	-6.43#
37	T	2-Methylnaphthalene	0.539	0.000	100.0#	0#	-6.59#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251618.D
Acq On : 26 Mar 2016 1:43 am
Operator : BNA8:ML
Sample : CQ803251602
Misc : WG877805,MSAH61
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 27 16:07:31 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:28 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
38	I	Acenaphthene-d10		1.000	1.000	0.0	111	0.00
39	T	1,2,4,5-Tetrachlorobenzene		0.451	0.000	100.0#	0#	-6.75#
40	TP	Hexachlorocyclopentadiene		0.243	0.000	100.0#	0#	-6.74#
41	TC	2,4,6-Trichlorophenol		0.345	0.000	100.0#	0#	-6.86#
42	T	2,4,5-Trichlorophenol		0.342	0.000	100.0#	0#	-6.89#
43	S	2-Fluorobiphenyl		1.165	0.000	100.0#	0#	-6.95#
44	T	Biphenyl		1.370	0.000	100.0#	0#	-7.04#
45	T	2-Chloronaphthalene		1.091	0.000	100.0#	0#	-7.06#
46	T	2-Nitroaniline		0.227	0.000	100.0#	0#	-7.16#
47	T	Acenaphthylene		1.801	0.000	100.0#	0#	-7.47#
48	T	Dimethylphthalate		1.170	0.000	100.0#	0#	-7.34#
49	T	2,6-Dinitrotoluene	*	10.000	0.000	100.0#	0	-7.40#
50	MC	Acenaphthene		1.075	0.000	100.0#	0#	-7.64#
51	T	3-Nitroaniline	*	10.000	0.000	100.0#	0	-7.57#
52	TP	2,4-Dinitrophenol	*	10.000	0.000	100.0#	0	-7.67#
53	T	Dibenzofuran		1.392	0.000	100.0#	0#	-7.82#
54		2,3,4,6-Tetrachlorophenol		0.213	0.000	100.0#	0#	-7.94#
55	M	2,4-Dinitrotoluene	*	10.000	0.000	100.0#	0	-7.80#
56	MP	4-Nitrophenol	*	10.000	0.000	100.0#	0	-7.73#
57	T	Fluorene		1.143	0.000	100.0#	0#	-8.19#
58	T	4-Chlorophenyl-phenylether		0.493	0.000	100.0#	0#	-8.20#
59	T	Diethylphthalate		1.236	0.000	100.0#	0#	-8.07#
60	T	4-Nitroaniline	*	10.000	0.000	100.0#	0	-8.22#
61	I	Phenanthrene-d10		1.000	1.000	0.0	107	0.00
62	T	4,6-Dinitro-2-methylphenol	*	10.000	0.000	100.0#	0	-8.25#
63	T	Azobenzene		0.174	0.000	100.0#	0#	-8.38#
64	TC	n-Nitrosodiphenylamine		0.454	0.000	100.0#	0#	-8.33#
65	S	2,4,6-Tribromophenol		0.061	0.000	100.0#	0#	-8.47#
66	T	4-Bromophenyl-phenylether		0.158	0.000	100.0#	0#	-8.79#
67	T	Hexachlorobenzene		0.161	0.000	100.0#	0#	-8.86#
68	T	Atrazine		0.162	0.000	100.0#	0#	-9.02#
69	MC	Pentachlorophenol	*	10.000	0.000	100.0#	0	-9.13#
70	T	Pentachloronitrobenzene	*	10.000	0.000	100.0#	0	-9.15#
71	T	Phenanthrene		0.910	0.000	100.0#	0#	-9.44#
72	T	Anthracene		0.926	0.000	100.0#	0#	-9.51#
73	T	Carbazole		0.906	0.000	100.0#	0#	-9.76#
74	T	Di-n-butylphthalate		1.120	0.000	100.0#	0#	-10.39#
75	TC	Fluoranthene		0.962	0.000	100.0#	0#	-11.48#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251618.D
Acq On : 26 Mar 2016 1:43 am
Operator : BNA8:ML
Sample : CQ803251602
Misc : WG877805,MSAH61
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 27 16:07:31 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:28 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
76	I	Chrysene-d12	1.000	1.000	0.0	98	0.00
77	T	Benzidine	* 10.000	0.000	100.0#	0	-11.80#
78	M	Pyrene	1.081	0.000	100.0#	0#	-11.92#
79	S	Terphenyl-d14	0.639	0.000	100.0#	0#	-12.32#
80	T	Butylbenzylphthalate	0.546	0.000	100.0#	0#	-13.51#
81	T	3,3'-Dichlorobenzidine	0.322	0.000	100.0#	0#	-14.64#
82	T	Benz[a]anthracene	0.989	0.000	100.0#	0#	-14.61#
83	T	Chrysene	0.952	0.000	100.0#	0#	-14.69#
84	T	bis(2-Ethylhexyl)phthalate	0.733	0.000	100.0#	0#	-14.98#
85	I	Perylene-d12	1.000	1.000	0.0	96	0.00
86	TC	Di-n-octylphthalate	1.278	0.000	100.0#	0#	-16.49#
87	T	Benzo[b]fluoranthene	0.954	0.000	100.0#	0#	-16.99#
88	T	Benzo[k]fluoranthene	0.926	0.000	100.0#	0#	-17.05#
89	TC	Benzo[a]pyrene	0.916	0.000	100.0#	0#	-17.62#
90	T	Indeno[1,2,3-cd]pyrene	0.810	0.000	100.0#	0#	-19.53#
91	T	Dibenz[a,h]anthracene	0.808	0.000	100.0#	0#	-19.58#
92	T	Benzo[g,h,i]perylene	0.852	0.000	100.0#	0#	-19.95#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 13

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 2.00

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Sample : CQ803251602
Misc : WG877805,MSAH61
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 27 16:07:31 2016
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Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:28 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.755	152	599827	5.000	ug/mL	0.00
21) Naphthalene-d8	5.911	136	2281360	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.606	164	1061520	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.397	188	1912644	5.000	ug/mL	0.00
76) Chrysene-d12	14.617	240	1656011	5.000	ug/mL	0.00
85) Perylene-d12	17.708	264	1524912	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	0.000		0	N.D.		
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.	d	
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251618.D
Acq On : 26 Mar 2016 1:43 am
Operator : BNA8:ML
Sample : CQ803251602
Misc : WG877805,MSAH61
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 27 16:07:31 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:28 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		d
27) Benzoic acid	5.665	105	505479M4	8.643	ug/mL	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		d
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	0.000		0	N.D.		
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.		
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		d
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.		d
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251618.D
Acq On : 26 Mar 2016 1:43 am
Operator : BNA8:ML
Sample : CQ803251602
Misc : WG877805,MSAH61
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 27 16:07:31 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:28 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.	d	
72) Anthracene	0.000		0	N.D.	d	
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.	d	
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	0.000		0	N.D.		
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	0.000		0	N.D.	d	
83) Chrysene	0.000		0	N.D.	d	
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D.	d	
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

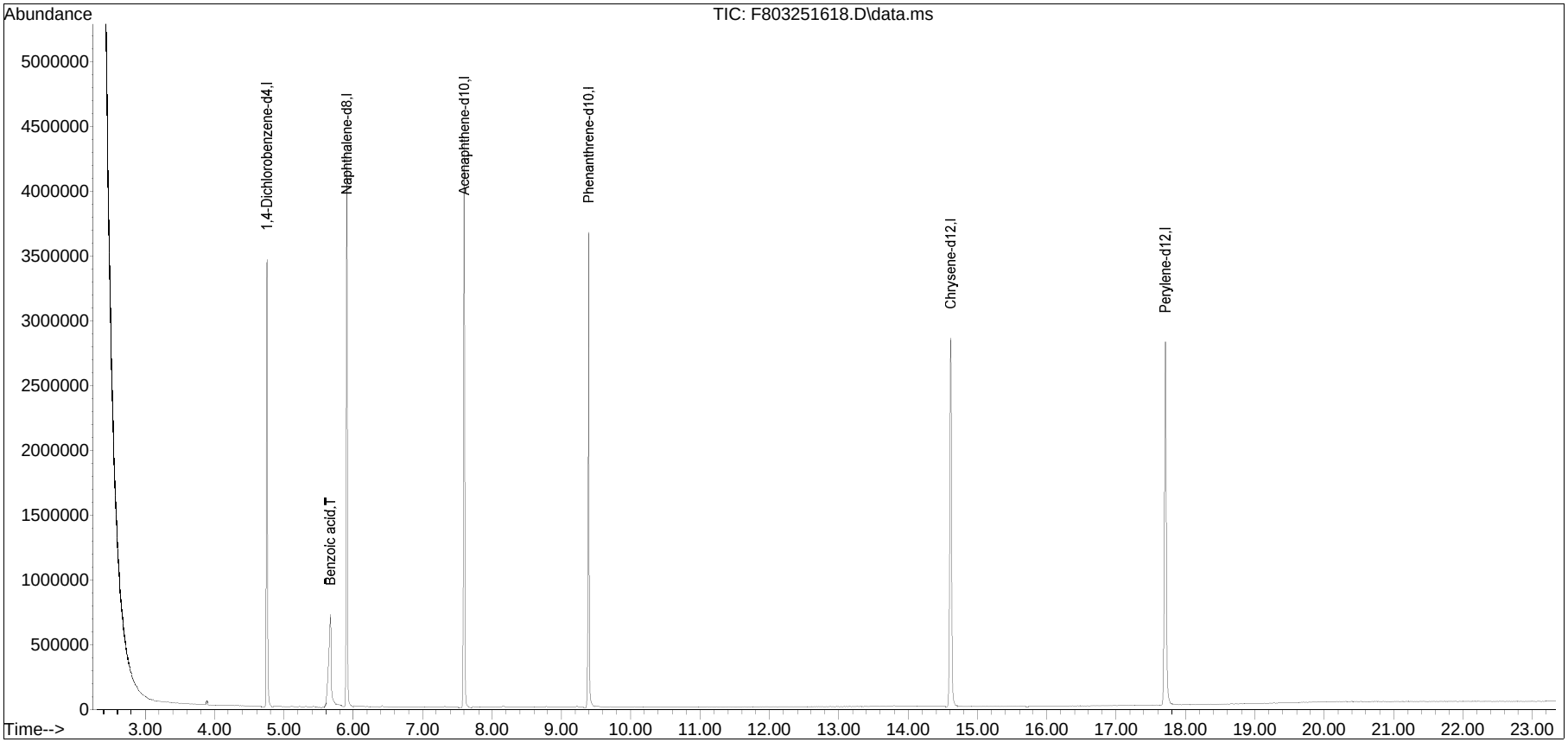
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251618.D
Acq On : 26 Mar 2016 1:43 am
Operator : BNA8:ML
Sample : CQ803251602
Misc : WG877805,MSAH61
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 27 16:07:31 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:28 2016
Response via : Initial Calibration

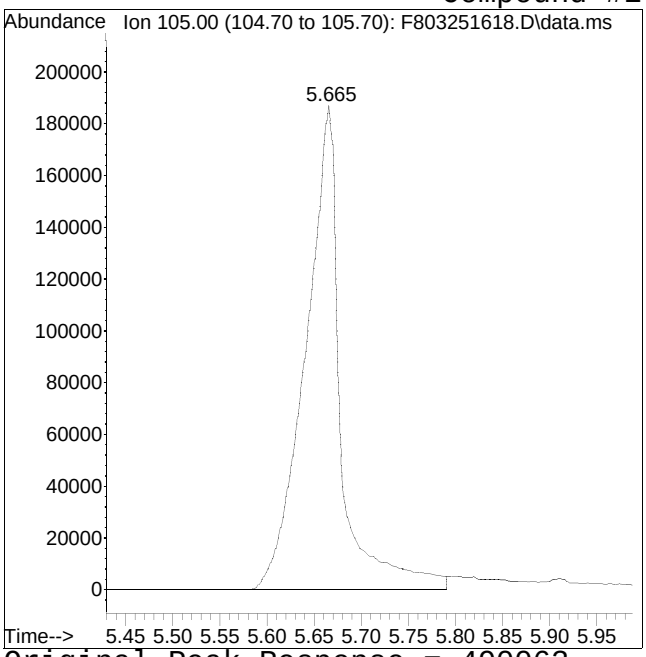
Sub List : Default - All compounds listed

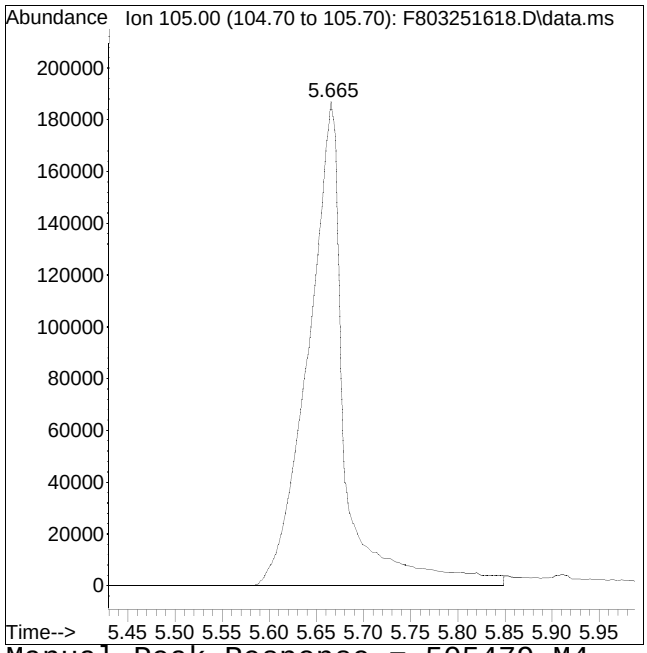


Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0325BNA8.M
Data File : F803251618.D Operator : BNA8:ML
Date Inj'd : 3/26/2016 1:43 am Instrument : BNA8
Sample : CQ803251602 Quant Date : 3/27/2016 4:07 pm

Compound #27: Benzoic acid





Original Peak Response = 490063 Manual Peak Response = 505479 M4
M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251619.D
Acq On : 26 Mar 2016 2:13 am
Operator : BNA8:ML
Sample : CQ803251603
Misc : WG877805,MSAI42
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 27 16:07:38 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:35 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
2	T	N-Nitrosodimethylamine	0.657	0.000	100.0#	0#	-2.79#
3	t	Pyridine	1.220	0.000	100.0#	0#	-2.81#
4	S	2-Fluorophenol	1.110	0.000	100.0#	0#	-3.69#
5	T	Benzaldehyde	0.872	0.000	100.0#	0#	-4.39#
6	T	Aniline	1.579	0.000	100.0#	0#	-4.47#
7	T	bis(2-Chloroethyl)ether	0.722	0.000	100.0#	0#	-4.52#
8	S	Phenol-d5	1.340	0.000	100.0#	0#	-4.41#
9	MC	Phenol	1.422	0.000	100.0#	0#	-4.43#
10	M	2-Chlorophenol	1.225	0.000	100.0#	0#	-4.57#
11	T	1,3-Dichlorobenzene	1.308	0.000	100.0#	0#	-4.70#
12	MC	1,4-Dichlorobenzene	1.305	0.000	100.0#	0#	-4.77#
13	T	1,2-Dichlorobenzene	1.231	0.000	100.0#	0#	-4.90#
14	T	Benzyl alcohol	0.723	0.000	100.0#	0#	-4.87#
15	T	bis(2-chloroisopropyl)ether	1.225	0.000	100.0#	0#	-4.99#
16	T	2-Methylphenol	0.968	0.000	100.0#	0#	-4.95#
17	T	Acetophenone	1.388	0.000	100.0#	0#	-5.11#
18	T	Hexachloroethane	0.504	0.000	100.0#	0#	-5.20#
19	MP	N-Nitroso-di-n-propylamine	0.724	0.000	100.0#	0#	-5.11#
20	T	4-Methylphenol	1.029	0.000	100.0#	0#	-5.09#
21	I	Naphthalene-d8	1.000	1.000	0.0	106	0.00
22	S	Nitrobenzene-d5	0.240	0.000	100.0#	0#	-5.25#
23	T	Nitrobenzene	0.249	0.000	100.0#	0#	-5.26#
24	T	Isophorone	0.447	0.000	100.0#	0#	-5.48#
25	TC	2-Nitrophenol	* 10.000	0.000	100.0#	0	-5.55#
26	T	2,4-Dimethylphenol	0.243	0.000	100.0#	0#	-5.58#
27	T	Benzoic acid	* 10.000	0.000	100.0#	0	-5.67#
28	T	bis(2-Chloroethoxy)methane	0.314	0.000	100.0#	0#	-5.67#
29	TC	2,4-Dichlorophenol	0.235	0.000	100.0#	0#	-5.77#
30	M	1,2,4-Trichlorobenzene	0.252	0.000	100.0#	0#	-5.86#
31	T	Naphthalene	0.825	0.000	100.0#	0#	-5.93#
32	T	2-Chloroaniline	0.433	0.000	100.0#	0#	-5.52#
33	T	4-Chloroaniline	0.355	0.000	100.0#	0#	-5.98#
34	TC	Hexachlorobutadiene	0.122	0.000	100.0#	0#	-6.05#
35	T	Caprolactam	0.083	0.000	100.0#	0#	-6.30#
36	MC	4-Chloro-3-methylphenol	0.228	0.000	100.0#	0#	-6.43#
37	T	2-Methylnaphthalene	0.539	0.000	100.0#	0#	-6.59#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251619.D
Acq On : 26 Mar 2016 2:13 am
Operator : BNA8:ML
Sample : CQ803251603
Misc : WG877805,MSAI42
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 27 16:07:38 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:35 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
38	I	Acenaphthene-d10		1.000	1.000	0.0	108	0.00
39	T	1,2,4,5-Tetrachlorobenzene		0.451	0.000	100.0#	0#	-6.75#
40	TP	Hexachlorocyclopentadiene		0.243	0.000	100.0#	0#	-6.74#
41	TC	2,4,6-Trichlorophenol		0.345	0.000	100.0#	0#	-6.86#
42	T	2,4,5-Trichlorophenol		0.342	0.000	100.0#	0#	-6.89#
43	S	2-Fluorobiphenyl		1.165	0.000	100.0#	0#	-6.95#
44	T	Biphenyl		1.370	0.000	100.0#	0#	-7.04#
45	T	2-Chloronaphthalene		1.091	0.000	100.0#	0#	-7.06#
46	T	2-Nitroaniline		0.227	0.000	100.0#	0#	-7.16#
47	T	Acenaphthylene		1.801	0.000	100.0#	0#	-7.47#
48	T	Dimethylphthalate		1.170	0.000	100.0#	0#	-7.34#
49	T	2,6-Dinitrotoluene	*	10.000	0.000	100.0#	0	-7.40#
50	MC	Acenaphthene		1.075	0.000	100.0#	0#	-7.64#
51	T	3-Nitroaniline	*	10.000	0.000	100.0#	0	-7.57#
52	TP	2,4-Dinitrophenol	*	10.000	0.000	100.0#	0	-7.67#
53	T	Dibenzofuran		1.392	0.000	100.0#	0#	-7.82#
54		2,3,4,6-Tetrachlorophenol		0.213	0.000	100.0#	0#	-7.94#
55	M	2,4-Dinitrotoluene	*	10.000	0.000	100.0#	0	-7.80#
56	MP	4-Nitrophenol	*	10.000	0.000	100.0#	0	-7.73#
57	T	Fluorene		1.143	0.000	100.0#	0#	-8.19#
58	T	4-Chlorophenyl-phenylether		0.493	0.000	100.0#	0#	-8.20#
59	T	Diethylphthalate		1.236	0.000	100.0#	0#	-8.07#
60	T	4-Nitroaniline	*	10.000	0.000	100.0#	0	-8.22#
61	I	Phenanthrene-d10		1.000	1.000	0.0	103	0.00
62	T	4,6-Dinitro-2-methylphenol	*	10.000	0.000	100.0#	0	-8.25#
63	T	Azobenzene		0.174	0.000	100.0#	0#	-8.38#
64	TC	n-Nitrosodiphenylamine		0.454	0.000	100.0#	0#	-8.33#
65	S	2,4,6-Tribromophenol		0.061	0.000	100.0#	0#	-8.47#
66	T	4-Bromophenyl-phenylether		0.158	0.000	100.0#	0#	-8.79#
67	T	Hexachlorobenzene		0.161	0.000	100.0#	0#	-8.86#
68	T	Atrazine		0.162	0.000	100.0#	0#	-9.02#
69	MC	Pentachlorophenol	*	10.000	0.000	100.0#	0	-9.13#
70	T	Pentachloronitrobenzene	*	10.000	0.000	100.0#	0	-9.15#
71	T	Phenanthrene		0.910	0.000	100.0#	0#	-9.44#
72	T	Anthracene		0.926	0.000	100.0#	0#	-9.51#
73	T	Carbazole		0.906	0.000	100.0#	0#	-9.76#
74	T	Di-n-butylphthalate		1.120	0.000	100.0#	0#	-10.39#
75	TC	Fluoranthene		0.962	0.000	100.0#	0#	-11.48#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251619.D
Acq On : 26 Mar 2016 2:13 am
Operator : BNA8:ML
Sample : CQ803251603
Misc : WG877805,MSAI42
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 27 16:07:38 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:35 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
76	I	Chrysene-d12	1.000	1.000	0.0	95	0.00
77	T	Benzidine	* 10.000	9.116	8.8	79	0.00
78	M	Pyrene	1.081	0.000	100.0#	0#	-11.92#
79	S	Terphenyl-d14	0.639	0.000	100.0#	0#	-12.32#
80	T	Butylbenzylphthalate	0.546	0.000	100.0#	0#	-13.51#
81	T	3,3'-Dichlorobenzidine	0.322	0.000	100.0#	0#	-14.64#
82	T	Benz[a]anthracene	0.989	0.000	100.0#	0#	-14.61#
83	T	Chrysene	0.952	0.000	100.0#	0#	-14.69#
84	T	bis(2-Ethylhexyl)phthalate	0.733	0.000	100.0#	0#	-14.98#
85	I	Perylene-d12	1.000	1.000	0.0	92	0.00
86	TC	Di-n-octylphthalate	1.278	0.000	100.0#	0#	-16.49#
87	T	Benzo[b]fluoranthene	0.954	0.000	100.0#	0#	-16.99#
88	T	Benzo[k]fluoranthene	0.926	0.000	100.0#	0#	-17.05#
89	TC	Benzo[a]pyrene	0.916	0.000	100.0#	0#	-17.62#
90	T	Indeno[1,2,3-cd]pyrene	0.810	0.000	100.0#	0#	-19.53#
91	T	Dibenz[a,h]anthracene	0.808	0.000	100.0#	0#	-19.58#
92	T	Benzo[g,h,i]perylene	0.852	0.000	100.0#	0#	-19.95#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 13

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251619.D
Acq On : 26 Mar 2016 2:13 am
Operator : BNA8:ML
Sample : CQ803251603
Misc : WG877805,MSAI42
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 27 16:07:38 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:35 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.755	152	584941	5.000	ug/mL	0.00
21) Naphthalene-d8	5.911	136	2219215	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.606	164	1034521	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.397	188	1845924	5.000	ug/mL	0.00
76) Chrysene-d12	14.617	240	1608788	5.000	ug/mL	0.00
85) Perylene-d12	17.708	264	1459202	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	0.000		0	N.D.		
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.	d	
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.	d	
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251619.D
Acq On : 26 Mar 2016 2:13 am
Operator : BNA8:ML
Sample : CQ803251603
Misc : WG877805,MSAI42
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 27 16:07:38 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:35 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	0.000		0	N.D.		
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.		
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.	d	
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.	d	
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251619.D
Acq On : 26 Mar 2016 2:13 am
Operator : BNA8:ML
Sample : CQ803251603
Misc : WG877805,MSAI42
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 27 16:07:38 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:35 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.	d	
72) Anthracene	0.000		0	N.D.	d	
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.	d	
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.800	184	2218371	9.116	ug/mL	99
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	0.000		0	N.D.	d	
83) Chrysene	0.000		0	N.D.	d	
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D.	d	
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

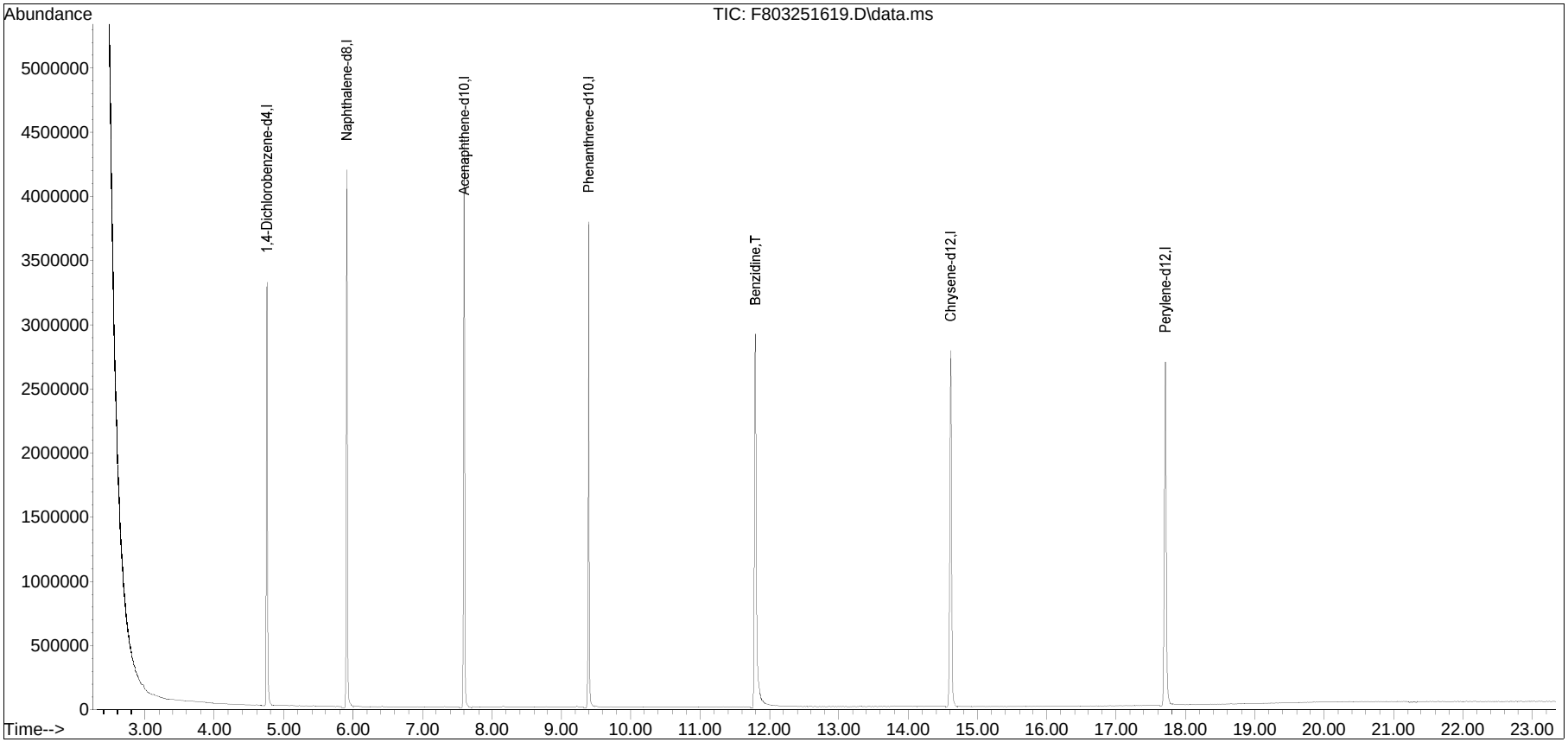
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251619.D
Acq On : 26 Mar 2016 2:13 am
Operator : BNA8:ML
Sample : CQ803251603
Misc : WG877805,MSAI42
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 27 16:07:38 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:35 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\BNA8\2016\	QMethod	: SV0325BNA8.M
Data File	: F803251619.D	Operator	: BNA8:ML
Date Inj'd	: 3/26/2016 2:13 am	Instrument	: BNA8
Sample	: CQ803251603	Quant Date	: 3/27/2016 4:07 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251620.D
Acq On : 26 Mar 2016 2:44 am
Operator : BNA8:ML
Sample : CQ803251604
Misc : WG877805,MSAI41
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 27 16:07:45 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:43 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
2	T	N-Nitrosodimethylamine	0.657	0.000	100.0#	0#	-2.79#
3	t	Pyridine	1.220	0.000	100.0#	0#	-2.81#
4	S	2-Fluorophenol	1.110	0.000	100.0#	0#	-3.69#
5	T	Benzaldehyde	0.872	0.962	-10.3	96	0.00
6	T	Aniline	1.579	0.000	100.0#	0#	-4.47#
7	T	bis(2-Chloroethyl)ether	0.722	0.000	100.0#	0#	-4.52#
8	S	Phenol-d5	1.340	0.000	100.0#	0#	-4.41#
9	MC	Phenol	1.422	0.000	100.0#	0#	-4.43#
10	M	2-Chlorophenol	1.225	0.000	100.0#	0#	-4.57#
11	T	1,3-Dichlorobenzene	1.308	0.000	100.0#	0#	-4.70#
12	MC	1,4-Dichlorobenzene	1.305	0.000	100.0#	0#	-4.77#
13	T	1,2-Dichlorobenzene	1.231	0.000	100.0#	0#	-4.90#
14	T	Benzyl alcohol	0.723	0.000	100.0#	0#	-4.87#
15	T	bis(2-chloroisopropyl)ether	1.225	0.000	100.0#	0#	-4.99#
16	T	2-Methylphenol	0.968	0.000	100.0#	0#	-4.95#
17	T	Acetophenone	1.388	0.000	100.0#	0#	-5.11#
18	T	Hexachloroethane	0.504	0.000	100.0#	0#	-5.20#
19	MP	N-Nitroso-di-n-propylamine	0.724	0.000	100.0#	0#	-5.11#
20	T	4-Methylphenol	1.029	0.000	100.0#	0#	-5.09#
21	I	Naphthalene-d8	1.000	1.000	0.0	104	0.00
22	S	Nitrobenzene-d5	0.240	0.000	100.0#	0#	-5.25#
23	T	Nitrobenzene	0.249	0.000	100.0#	0#	-5.26#
24	T	Isophorone	0.447	0.000	100.0#	0#	-5.48#
25	TC	2-Nitrophenol	* 10.000	0.000	100.0#	0	-5.55#
26	T	2,4-Dimethylphenol	0.243	0.000	100.0#	0#	-5.58#
27	T	Benzoic acid	* 10.000	0.000	100.0#	0	-5.67#
28	T	bis(2-Chloroethoxy)methane	0.314	0.000	100.0#	0#	-5.67#
29	TC	2,4-Dichlorophenol	0.235	0.000	100.0#	0#	-5.77#
30	M	1,2,4-Trichlorobenzene	0.252	0.000	100.0#	0#	-5.86#
31	T	Naphthalene	0.825	0.000	100.0#	0#	-5.93#
32	T	2-Chloroaniline	0.433	0.000	100.0#	0#	-5.52#
33	T	4-Chloroaniline	0.355	0.000	100.0#	0#	-5.98#
34	TC	Hexachlorobutadiene	0.122	0.000	100.0#	0#	-6.05#
35	T	Caprolactam	0.083	0.000	100.0#	0#	-6.30#
36	MC	4-Chloro-3-methylphenol	0.228	0.000	100.0#	0#	-6.43#
37	T	2-Methylnaphthalene	0.539	0.000	100.0#	0#	-6.59#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251620.D
Acq On : 26 Mar 2016 2:44 am
Operator : BNA8:ML
Sample : CQ803251604
Misc : WG877805,MSAI41
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 27 16:07:45 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:43 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
38	I	Acenaphthene-d10		1.000	1.000	0.0	104	0.00
39	T	1,2,4,5-Tetrachlorobenzene		0.451	0.000	100.0#	0#	-6.75#
40	TP	Hexachlorocyclopentadiene		0.243	0.000	100.0#	0#	-6.74#
41	TC	2,4,6-Trichlorophenol		0.345	0.000	100.0#	0#	-6.86#
42	T	2,4,5-Trichlorophenol		0.342	0.000	100.0#	0#	-6.89#
43	S	2-Fluorobiphenyl		1.165	0.000	100.0#	0#	-6.95#
44	T	Biphenyl		1.370	0.000	100.0#	0#	-7.04#
45	T	2-Chloronaphthalene		1.091	0.000	100.0#	0#	-7.06#
46	T	2-Nitroaniline		0.227	0.000	100.0#	0#	-7.16#
47	T	Acenaphthylene		1.801	0.000	100.0#	0#	-7.47#
48	T	Dimethylphthalate		1.170	0.000	100.0#	0#	-7.34#
49	T	2,6-Dinitrotoluene	*	10.000	0.000	100.0#	0	-7.40#
50	MC	Acenaphthene		1.075	0.000	100.0#	0#	-7.64#
51	T	3-Nitroaniline	*	10.000	0.000	100.0#	0	-7.57#
52	TP	2,4-Dinitrophenol	*	10.000	0.000	100.0#	0	-7.67#
53	T	Dibenzofuran		1.392	0.000	100.0#	0#	-7.82#
54		2,3,4,6-Tetrachlorophenol		0.213	0.000	100.0#	0#	-7.94#
55	M	2,4-Dinitrotoluene	*	10.000	0.000	100.0#	0	-7.80#
56	MP	4-Nitrophenol	*	10.000	0.000	100.0#	0	-7.73#
57	T	Fluorene		1.143	0.000	100.0#	0#	-8.19#
58	T	4-Chlorophenyl-phenylether		0.493	0.000	100.0#	0#	-8.20#
59	T	Diethylphthalate		1.236	0.000	100.0#	0#	-8.07#
60	T	4-Nitroaniline	*	10.000	0.000	100.0#	0	-8.22#
61	I	Phenanthrene-d10		1.000	1.000	0.0	100	0.00
62	T	4,6-Dinitro-2-methylphenol	*	10.000	0.000	100.0#	0	-8.25#
63	T	Azobenzene		0.174	0.000	100.0#	0#	-8.38#
64	TC	n-Nitrosodiphenylamine		0.454	0.000	100.0#	0#	-8.33#
65	S	2,4,6-Tribromophenol		0.061	0.000	100.0#	0#	-8.47#
66	T	4-Bromophenyl-phenylether		0.158	0.000	100.0#	0#	-8.79#
67	T	Hexachlorobenzene		0.161	0.000	100.0#	0#	-8.86#
68	T	Atrazine		0.162	0.000	100.0#	0#	-9.02#
69	MC	Pentachlorophenol	*	10.000	0.000	100.0#	0	-9.13#
70	T	Pentachloronitrobenzene	*	10.000	0.000	100.0#	0	-9.15#
71	T	Phenanthrene		0.910	0.000	100.0#	0#	-9.44#
72	T	Anthracene		0.926	0.000	100.0#	0#	-9.51#
73	T	Carbazole		0.906	0.000	100.0#	0#	-9.76#
74	T	Di-n-butylphthalate		1.120	0.000	100.0#	0#	-10.39#
75	TC	Fluoranthene		0.962	0.000	100.0#	0#	-11.48#

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251620.D
Acq On : 26 Mar 2016 2:44 am
Operator : BNA8:ML
Sample : CQ803251604
Misc : WG877805,MSAI41
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 27 16:07:45 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:43 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
76	I	Chrysene-d12	1.000	1.000	0.0	90	0.00
77	T	Benzidine	* 10.000	0.000	100.0#	0	-11.80#
78	M	Pyrene	1.081	0.000	100.0#	0#	-11.92#
79	S	Terphenyl-d14	0.639	0.000	100.0#	0#	-12.32#
80	T	Butylbenzylphthalate	0.546	0.000	100.0#	0#	-13.51#
81	T	3,3'-Dichlorobenzidine	0.322	0.000	100.0#	0#	-14.64#
82	T	Benz[a]anthracene	0.989	0.000	100.0#	0#	-14.61#
83	T	Chrysene	0.952	0.000	100.0#	0#	-14.69#
84	T	bis(2-Ethylhexyl)phthalate	0.733	0.000	100.0#	0#	-14.98#
85	I	Perylene-d12	1.000	1.000	0.0	89	0.00
86	TC	Di-n-octylphthalate	1.278	0.000	100.0#	0#	-16.49#
87	T	Benzo[b]fluoranthene	0.954	0.000	100.0#	0#	-16.99#
88	T	Benzo[k]fluoranthene	0.926	0.000	100.0#	0#	-17.05#
89	TC	Benzo[a]pyrene	0.916	0.000	100.0#	0#	-17.62#
90	T	Indeno[1,2,3-cd]pyrene	0.810	0.000	100.0#	0#	-19.53#
91	T	Dibenz[a,h]anthracene	0.808	0.000	100.0#	0#	-19.58#
92	T	Benzo[g,h,i]perylene	0.852	0.000	100.0#	0#	-19.95#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 13

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251620.D
Acq On : 26 Mar 2016 2:44 am
Operator : BNA8:ML
Sample : CQ803251604
Misc : WG877805,MSAI41
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 27 16:07:45 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:43 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.751	152	568126	5.000	ug/mL	0.00
21) Naphthalene-d8	5.911	136	2176925	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.606	164	996517	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.392	188	1781702	5.000	ug/mL	0.00
76) Chrysene-d12	14.617	240	1529648	5.000	ug/mL	0.00
85) Perylene-d12	17.709	264	1405455	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.385	77	1092559	11.030	ug/ml	100
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.	d	
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.	d	

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251620.D
Acq On : 26 Mar 2016 2:44 am
Operator : BNA8:ML
Sample : CQ803251604
Misc : WG877805,MSAI41
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 27 16:07:45 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:43 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	0.000		0	N.D.		
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.		
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.	d	
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251620.D
Acq On : 26 Mar 2016 2:44 am
Operator : BNA8:ML
Sample : CQ803251604
Misc : WG877805,MSAI41
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 27 16:07:45 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:43 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.	d	
72) Anthracene	0.000		0	N.D.	d	
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.	d	
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	0.000		0	N.D.		
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	0.000		0	N.D.	d	
83) Chrysene	0.000		0	N.D.	d	
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D.	d	
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

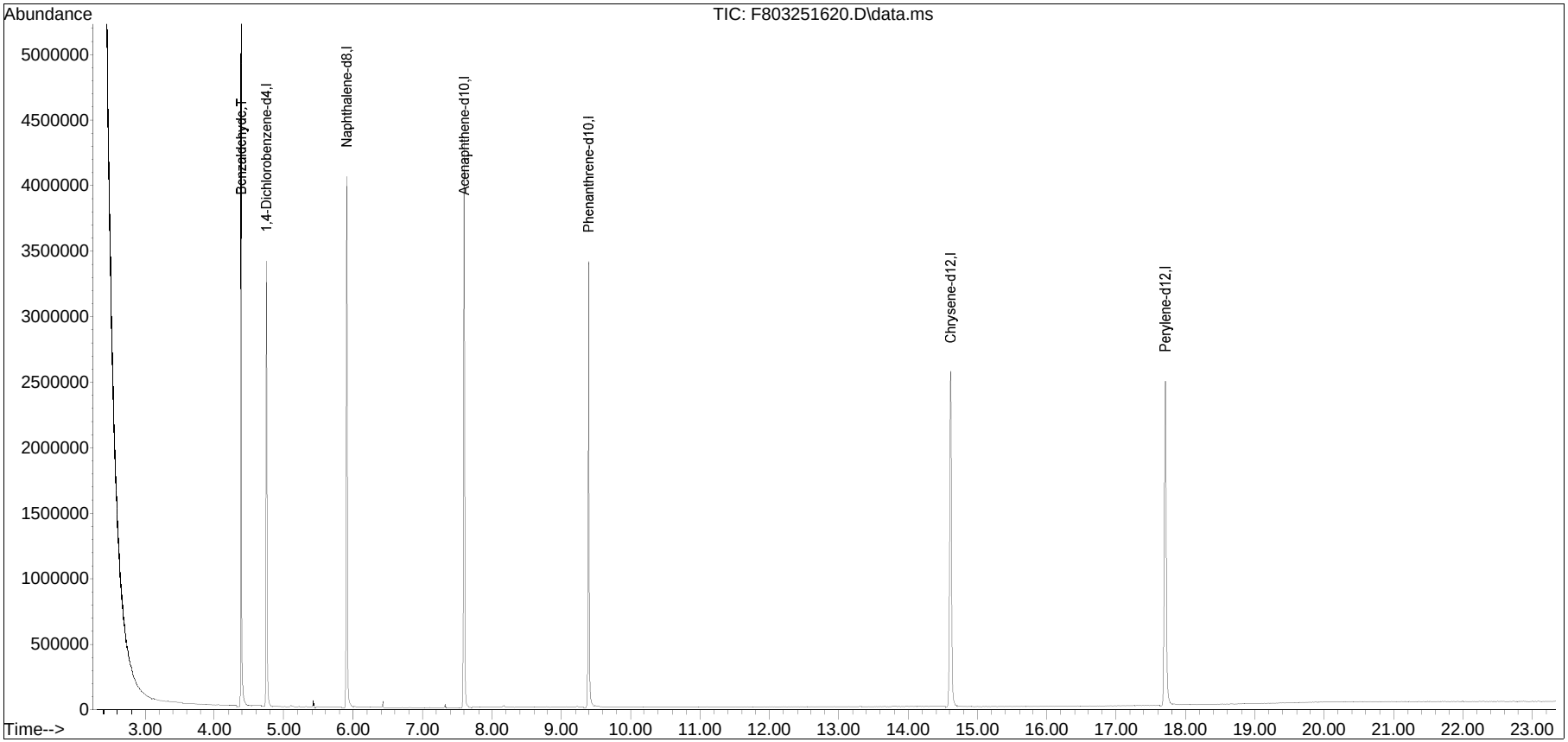
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251620.D
Acq On : 26 Mar 2016 2:44 am
Operator : BNA8:ML
Sample : CQ803251604
Misc : WG877805,MSAI41
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 27 16:07:45 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Mar 27 16:07:43 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\BNA8\2016\	QMethod	: SV0325BNA8.M
Data File	: F803251620.D	Operator	: BNA8:ML
Date Inj'd	: 3/26/2016 2:44 am	Instrument	: BNA8
Sample	: CQ803251604	Quant Date	: 3/27/2016 4:07 pm

There are no manual integrations or false positives in this file.

Work Group

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Apr 06 2016, 04:37 pm

Work Group: WG876532 for Department: 2 Organic Preparation

Created: 23-MAR-16 Due: Operator: SMB

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1607846-01	SW1A 20160316	S	A2-SVOC-8270	WATER	DONE	U	0323	0407	S0	Amber-A1
L1607846-02	SW1B 20160316	S	A2-SVOC-8270	WATER	DONE	U	0323	0407	S0	Amber-A1
L1607846-03	SW1C 20160316	S	A2-SVOC-8270	WATER	DONE	U	0323	0407	S0	Amber-A1
L1607846-04	SW2A 20160316	S	A2-SVOC-8270	WATER	DONE	U	0323	0407	S0	Amber-A1
L1607846-05	SW2C 20160316	S	A2-SVOC-8270	WATER	DONE	U	0323	0407	S0	Amber-A1
L1607846-06	SW2B 20160316	S	A2-SVOC-8270	WATER	DONE	U	0323	0407	S0	Amber-A1
L1607846-07	SW3A 20160316	S	A2-SVOC-8270	WATER	DONE	U	0323	0407	S0	Amber-A1
L1607846-08	SW3B 20160316	S	A2-SVOC-8270	WATER	DONE	U	0323	0407	S0	Amber-A1
L1607846-09	SW3C 20160316	S	A2-SVOC-8270	WATER	DONE	U	0323	0407	S0	Amber-A1
WG876532-1	Laboratory Method Bl	S	A2-SVOC-8270	WATER	DONE	U				
WG876532-2	Laboratory Control S	S	A2-SVOC-8270	WATER	DONE	U				
WG876532-3	LCS Duplicate	S	A2-SVOC-8270	WATER	DONE	U				

Comments:

WG876532-3 WG876532-2

Sequence Logs

Analysis log File

Total Files Reported in Log : 21
Log Generated From Directory: O:\Organics\DATA\PAH17\2016\MAR\MAR25\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F1703251601.d	8270PAH17.M	TUNE	WG,MSAI06	3/25/2016 4:15 pm
2	F1703251602.d	8270PAH17.M	T1703251601	WG877746,MSAI06	3/25/2016 5:31 pm
3	F1703251603.d	8270PAH17.M	I1703251601	WG877746,MSAI35	3/25/2016 6:00 pm
4	F1703251604.d	8270PAH17.M	I1703251602	WG877746,MSAI34	3/25/2016 6:29 pm
5	F1703251605.d	8270PAH17.M	I1703251603	WG877746,MSAI33	3/25/2016 6:58 pm
6	F1703251606.d	8270PAH17.M	I1703251604	WG877746,MSAI32	3/25/2016 7:28 pm
7	F1703251607.d	8270PAH17.M	I1703251605	WG877746,MSAI31	3/25/2016 7:57 pm
8	F1703251608.d	8270PAH17.M	I1703251606	WG877746,MSAI30	3/25/2016 8:26 pm
9	F1703251609.d	8270PAH17.M	I1703251607	WG877746,MSAI29	3/25/2016 8:55 pm
10	F1703251610.d	8270PAH17.M	I1703251608	WG877746,MSAI20,X2	3/25/2016 9:25 pm
11	F1703251611.d	8270PAH17.M	I1703251609	WG877746,MSAI28	3/25/2016 9:54 pm
12	F1703251612.d	8270PAH17.M	I1703251610	WG877746,MSAI27	3/25/2016 10:23 pm
13	F1703251613.d	8270PAH17.M	I1703251611	WG877746,MSAI26	3/25/2016 10:52 pm
14	F1703251614.d	8270PAH17.M	I1703251612	WG877746,MSAI25	3/25/2016 11:21 pm
15	F1703251615.d	8270PAH17.M	I1703251613	WG877746,MSAI22	3/25/2016 11:51 pm
16	F1703251616.d	8270PAH17.M	I1703251614	WG877746,MSAI24	3/26/2016 12:20 am
17	F1703251617.d	8270PAH17.M	I1703251615	WG877746,MSAI23	3/26/2016 12:49 am
18	F1703251618.d	8270PAH17.M	CQ1703251601	WG877746,MSAI01	3/26/2016 1:18 am
19	F1703251619.d	8270PAH17.M	CQ1703251602	WG877746,MSAH61	3/26/2016 1:47 am
20	F1703251620.d	8270PAH17.M	CQ1703251603	WG877746,MSAI42	3/26/2016 2:16 am
21	F1703251621.d	8270PAH17.M	CQ1703251604	WG877746,MSAI41	3/26/2016 2:45 am

SeqLog 1.0 - (c) 2009 Abacus Database Applications

Analysis log File

Total Files Reported in Log : 20
Log Generated From Directory: O:\Organics\DATA\BNA8\2016\Mar\Mar25\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F803251601.D	8270BNA8.M	WG877805-2	WG877805,MSAI06	3/25/2016 4:56 pm
2	F803251602.D	8270BNA8.M	I803251601	WG877805,MSAI35	3/25/2016 5:26 pm
3	F803251603.D	8270BNA8.M	I803251602	WG877805,MSAI34	3/25/2016 5:57 pm
4	F803251604.D	8270BNA8.M	I803251603	WG877805,MSAI33	3/25/2016 6:28 pm
5	F803251605.D	8270BNA8.M	I803251604	WG877805,MSAI32	3/25/2016 6:59 pm
6	F803251606.D	8270BNA8.M	I803251605	WG877805,MSAI31	3/25/2016 7:30 pm
7	F803251607.D	8270BNA8.M	I803251606	WG877805,MSAI30	3/25/2016 8:01 pm
8	F803251608.D	8270BNA8.M	I803251607	WG877805,MSAI29	3/25/2016 8:32 pm
9	F803251609.D	8270BNA8.M	I803251608	WG877805,MSAI20,X2	3/25/2016 9:03 pm
10	F803251610.D	8270BNA8.M	I803251609	WG877805,MSAI28	3/25/2016 9:35 pm
11	F803251611.D	8270BNA8.M	I803251610	WG877805,MSAI27	3/25/2016 10:06 pm
12	F803251612.D	8270BNA8.M	I803251611	WG877805,MSAI26	3/25/2016 10:37 pm
13	F803251613.D	8270BNA8.M	I803251612	WG877805,MSAI25	3/25/2016 11:08 pm
14	F803251614.D	8270BNA8.M	I803251613	WG877805,MSAI22	3/25/2016 11:39 pm
15	F803251615.D	8270BNA8.M	I803251614	WG877805,MSAI24	3/26/2016 12:10 am
16	F803251616.D	8270BNA8.M	I803251615	WG877805,MSAI23	3/26/2016 12:41 am
17	F803251617.D	8270BNA8.M	CQ803251601	WG877805,MSAI01	3/26/2016 1:12 am
18	F803251618.D	8270BNA8.M	CQ803251602	WG877805,MSAH61	3/26/2016 1:43 am
19	F803251619.D	8270BNA8.M	CQ803251603	WG877805,MSAI42	3/26/2016 2:13 am
20	F803251620.D	8270BNA8.M	CQ803251604	WG877805,MSAI41	3/26/2016 2:44 am

SeqLog 1.0 - (c) 2009 Abacus Database Applications

Analysis log File

Total Files Reported in Log : 53
Log Generated From Directory: O:\Organics\DATA\BNA8\2016\Mar\Mar25\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F803251601.D	8270BNA8.M	WG877805-2	WG877805,MSAI06	3/25/2016 4:56 pm
2	F803251602.D	8270BNA8.M	I803251601	WG877805,MSAI35	3/25/2016 5:26 pm
3	F803251603.D	8270BNA8.M	I803251602	WG877805,MSAI34	3/25/2016 5:57 pm
4	F803251604.D	8270BNA8.M	I803251603	WG877805,MSAI33	3/25/2016 6:28 pm
5	F803251605.D	8270BNA8.M	I803251604	WG877805,MSAI32	3/25/2016 6:59 pm
6	F803251606.D	8270BNA8.M	I803251605	WG877805,MSAI31	3/25/2016 7:30 pm
7	F803251607.D	8270BNA8.M	I803251606	WG877805,MSAI30	3/25/2016 8:01 pm
8	F803251608.D	8270BNA8.M	I803251607	WG877805,MSAI29	3/25/2016 8:32 pm
9	F803251609.D	8270BNA8.M	I803251608	WG877805,MSAI20,X..	3/25/2016 9:03 pm
10	F803251610.D	8270BNA8.M	I803251609	WG877805,MSAI28	3/25/2016 9:35 pm
11	F803251611.D	8270BNA8.M	I803251610	WG877805,MSAI27	3/25/2016 10:06 pm
12	F803251612.D	8270BNA8.M	I803251611	WG877805,MSAI26	3/25/2016 10:37 pm
13	F803251613.D	8270BNA8.M	I803251612	WG877805,MSAI25	3/25/2016 11:08 pm
14	F803251614.D	8270BNA8.M	I803251613	WG877805,MSAI22	3/25/2016 11:39 pm
15	F803251615.D	8270BNA8.M	I803251614	WG877805,MSAI24	3/26/2016 12:10 am
16	F803251616.D	8270BNA8.M	I803251615	WG877805,MSAI23	3/26/2016 12:41 am
17	F803251617.D	8270BNA8.M	CQ803251601	WG877805,MSAI01	3/26/2016 1:12 am
18	F803251618.D	8270BNA8.M	CQ803251602	WG877805,MSAH61	3/26/2016 1:43 am
19	F803251619.D	8270BNA8.M	CQ803251603	WG877805,MSAI42	3/26/2016 2:13 am
20	F803251620.D	8270BNA8.M	CQ803251604	WG877805,MSAI41	3/26/2016 2:44 am
21	F803251621.D	8270BNA8.M	WG878844-2	WG878844,MSAI06	3/26/2016 12:47 pm
22	F803251622.D	8270BNA8.M	WG878844-3	WG878844,MSAI31	3/26/2016 1:17 pm
23	F803251623.D	8270BNA8.M	WG878844-4	WG878844,MSAI22	3/26/2016 1:48 pm
24	F803251624.D	8270BNA8.M	WG876532-1✔	WG878844,WG876532..	3/26/2016 2:18 pm
25	F803251625.D	8270BNA8.M	WG876532-2✔	WG878844,WG876532..	3/26/2016 2:49 pm
26	F803251626.D	8270BNA8.M	WG876532-3✔	WG878844,WG876532..	3/26/2016 3:20 pm
27	F803251627.D	8270BNA8.M	L1607675-05		3/26/2016 3:51 pm
28	F803251628.D	8270BNA8.M	L1607851-01	WG878057,WG876548..	3/26/2016 4:22 pm
29	F803251629.D	8270BNA8.M	L1608029-01	WG878057,WG876548..	3/26/2016 4:52 pm
30	F803251630.D	8270BNA8.M	L1608141-01	WG878057,WG876548..	3/26/2016 5:23 pm
31	F803251631.D	8270BNA8.M	L1608141-03	WG878057,WG876548..	3/26/2016 5:53 pm
32	F803251632.D	8270BNA8.M	L1608141-05	WG878057,WG876548..	3/26/2016 6:24 pm
33	F803251633.D	8270BNA8.M	L1608141-07	WG878057,WG876548..	3/26/2016 6:55 pm
34	F803251634.D	8270BNA8.M	L1608143-01	WG878057,WG876548..	3/26/2016 7:25 pm
35	F803251635.D	8270BNA8.M	L1608143-02	WG878057,WG876548..	3/26/2016 7:56 pm
36	F803251636.D	8270BNA8.M	WG875951-10	WG875951,MSAI06	3/26/2016 8:26 pm
37	F803251637.D	8270BNA8.M	WG875951-11	WG875951,MSAI31	3/26/2016 8:57 pm
38	F803251638.D	8270BNA8.M	CCV	MSAI22	3/26/2016 9:27 pm
39	F803251639.D	8270BNA8.M	L1607657-03D,32,100	WG875951,WG875212..	3/26/2016 9:58 pm
40	F803251640.D	8270BNA8.M	L1607853-02D,32,100	WG877970,WG875801..	3/26/2016 10:28 pm
41	F803251641.D	8270BNA8.M	L1607853-03D,32,100	WG877970,WG875801..	3/26/2016 10:59 pm
42	F803251642.D	8270BNA8.M	L1607853-04D,32,100	WG877970,WG875801..	3/26/2016 11:29 pm
43	F803251643.D	8270BNA8.M	L1607853-05D,32,100	WG877970,WG875801..	3/27/2016 12:00 am
44	F803251644.D	8270BNA8.M	L1607854-02D,32,100	WG877970,WG875801..	3/27/2016 12:31 am
45	F803251645.D	8270BNA8.M	L1607854-04D,32,100	WG877970,WG875801..	3/27/2016 1:01 am
46	F803251646.D	8270BNA8.M	L1607854-06D,32,100	WG877970,WG875801..	3/27/2016 1:32 am
47	F803251647.D	8270BNA8.M	L1607852-01D,32,20	WG876689,WG875801..	3/27/2016 2:02 am
48	F803251648.D	8270BNA8.M	L1607852-02D,32,20	WG876689,WG875801..	3/27/2016 2:32 am
49	F803251649.D	8270BNA8.M	L1607852-03D,32,10	WG876689,WG875801..	3/27/2016 3:03 am
50	F803251650.D	8270BNA8.M	L1607852-05D,32,10	WG876689,WG875801..	3/27/2016 3:33 am

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Analysis log File

Total Files Reported in Log : 53
Log Generated From Directory: O:\Organics\DATA\BNA8\2016\Mar\Mar25\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
51	F803251651.D	8270BNA8.M	L1607657-01D,32,50	WG875951,WG875212..	3/27/2016 4:04 am
52	F803251652.D	8270BNA8.M	L1607850-04D,32,50 -Rx	WG877970,WG875801..	3/27/2016 4:34 am
53	F803251653.D	8270BNA8.M	L1607854-03D,32,5	WG877970,WG875801..	3/27/2016 5:05 am

mae 3/30/16

SeqLog 1.0 - (c) 2009 Abacus Database Applications

Analysis log File

Total Files Reported in Log : 29
Log Generated From Directory: O:\Organics\DATA\PAH17\2016\MAR\MAR28\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F1703281601.d	8270PAH17.M	WG878844-6	WG878844,MSAI06	3/28/2016 10:00 am
2	F1703281602.d	8270PAH17.M	WG878844-7	WG878844,MSAI31	3/28/2016 10:29 am
3	F1703281603.d	8270PAH17.M	WG878844-8	WG878844,MSAI22	3/28/2016 10:58 am
4	F1703281604.d	8270PAH17.M	WG873922-1 *	WG875950,WG873922..	3/28/2016 1:33 pm
5	F1703281605.d	8270PAH17.M	WG873922-2	WG875950,WG873922..	3/28/2016 2:02 pm
6	F1703281606.d	8270PAH17.M	WG873922-3	WG875950,WG873922..	3/28/2016 2:31 pm
7	F1703281607.d	8270PAH17.M	L1607846-01 *	WG878844,WG876532..	3/28/2016 3:00 pm
8	F1703281608.d	8270PAH17.M	L1607846-02 ✓	WG878844,WG876532..	3/28/2016 3:30 pm
9	F1703281609.d	8270PAH17.M	L1607846-03 *	WG878844,WG876532..	3/28/2016 3:59 pm
10	F1703281610.d	8270PAH17.M	L1607846-04 ✓	WG878844,WG876532..	3/28/2016 4:28 pm
11	F1703281611.d	8270PAH17.M	L1607846-05 ✓	WG878844,WG876532..	3/28/2016 4:58 pm
12	F1703281612.d	8270PAH17.M	L1607846-06 ✓	WG878844,WG876532..	3/28/2016 5:27 pm
13	F1703281613.d	8270PAH17.M	L1607846-07 ✓	WG878844,WG876532..	3/28/2016 5:57 pm
14	F1703281614.d	8270PAH17.M	L1607846-08 ✓	WG878844,WG876532..	3/28/2016 6:26 pm
15	F1703281615.d	8270PAH17.M	L1607846-09 *	WG878844,WG876532..	3/28/2016 6:55 pm
16	F1703281616.d	8270PAH17.M	L1607173-01	WG875950,WG873922..	3/28/2016 7:25 pm
17	F1703281617.d	8270PAH17.M	L1607173-02	WG875950,WG873922..	3/28/2016 7:54 pm
18	F1703281618.d	8270PAH17.M	L1607173-03	WG875950,WG873922..	3/28/2016 8:23 pm
19	F1703281619.d	8270PAH17.M	L1607173-05	WG875950,WG873922..	3/28/2016 8:53 pm
20	F1703281620.d	8270PAH17.M	WG873922-4	WG875950,WG873922..	3/28/2016 9:22 pm
21	F1703281621.d	8270PAH17.M	WG873922-5		3/28/2016 9:51 pm
22	F1703281622.d	8270PAH17.M	WG873922-6	Ra, true time	3/28/2016 10:20 pm
23	F1703281623.d	8270PAH17.M	L1607173-06		3/28/2016 10:50 pm
24	F1703281624.d	8270PAH17.M	TUNE	MSAI06	3/28/2016 11:19 pm
25	F1703281625.d	8270PAH17.M	CCV Fail	MSAI31	3/28/2016 11:48 pm
26	F1703281626.d	8270PAH17.M	L1607657-02	Ra	3/29/2016 12:17 am
27	F1703281627.d	8270PAH17.M	WG875212-4		3/29/2016 12:47 am
28	F1703281628.d	8270PAH17.M	WG875212-5		3/29/2016 1:16 am
29	F1703281629.d	8270PAH17.M	L1607661-02D,42,100		3/29/2016 1:45 am

* low IS not 3/30/16

not 3/30/16

Printed: 03/30/16

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Analysis log File

Total Files Reported in Log : 18
Log Generated From Directory: O:\Organics\DATA\PAH17\2016\MAR\MAR29\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F1703291601.d	8270PAH17.M	TUNE	WG,MSAI06	3/29/2016 11:17 am
2	F1703291602.d	8270PAH17.M	CCV	WG,MSAI31	3/29/2016 11:46 am
3	F1703291603.d	8270PAH17.M	CCV		3/29/2016 12:16 pm
4	F1703291604.d	8270PAH17.M	WG878844-10	WG878844,MSAI06	3/29/2016 1:34 pm
5	F1703291605.d	8270PAH17.M	WG878844-11	WG878844,MSAI31	3/29/2016 2:03 pm
6	F1703291606.d	8270PAH17.M	WG878844-12	WG878844,MSAI22	3/29/2016 2:32 pm
7	F1703291607.d	8270PAH17.M	WG873922-1	WG875950,WG873922..	3/29/2016 3:39 pm
8	F1703291608.d	8270PAH17.M	L1607846-01✓	WG878844,WG876532..	3/29/2016 4:08 pm
9	F1703291609.d	8270PAH17.M	L1607846-03*	WG878844,WG876532..	3/29/2016 4:37 pm
10	F1703291610.d	8270PAH17.M	L1607846-09✓	WG878844,WG876532..	3/29/2016 5:07 pm
11	F1703291611.d	8270PAH17.M	WG873922-5	WG875950,WG873922..	3/29/2016 5:36 pm
12	F1703291612.d	8270PAH17.M	WG873922-6	WG875950,WG873922..	3/29/2016 6:05 pm
13	F1703291613.d	8270PAH17.M	L1607173-06	WG875950,WG873922..	3/29/2016 6:35 pm
14	F1703291614.d	8270PAH17.M	L1607657-02	WG878820,WG875212..	3/29/2016 7:04 pm
15	F1703291615.d	8270PAH17.M	WG875212-4	WG878820,WG875212..	3/29/2016 7:34 pm
16	F1703291616.d	8270PAH17.M	WG875212-5*	WG878820,WG875212..	3/29/2016 8:03 pm
17	F1703291617.d	8270PAH17.M	L1607657-03	WG878820,WG875212..	3/29/2016 8:32 pm
18	F1703291618.d	8270PAH17.M	L1607661-02	WG875951,WG875212..	3/29/2016 9:01 pm

* low IS mst 3/30/16

Printed: 03/30/16

SeqLog 1.0 - (c) 2009 Abacus Database Applications

Analysis log File

Total Files Reported in Log : 30
Log Generated From Directory: O:\Organics\DATA\BNA8\2016\Mar\Mar30\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F803301601.D	8270BNA8.M	WG879165-2	WG879165,MSAI06	3/30/2016 11:32 am
2	F803301602.D	8270BNA8.M	WG879165-3	WG879165,MSAI31	3/30/2016 12:04 pm
3	F803301603.D	8270BNA8.M	CCV	MSAI22	3/30/2016 12:35 pm
4	F803301604.D	8270BNA8.M	WG877024-1	WG879165,WG877024..	3/30/2016 2:30 pm
5	F803301605.D	8270BNA8.M	WG877024-2	WG879165,WG877024..	3/30/2016 3:01 pm
6	F803301606.D	8270BNA8.M	WG877024-3	WG879165,WG877024..	3/30/2016 3:32 pm
7	F803301607.D	8270BNA8.M	WG878483-1		3/30/2016 4:03 pm
8	F803301608.D	8270BNA8.M	WG878483-2		3/30/2016 4:34 pm
9	F803301609.D	8270BNA8.M	WG878483-3		3/30/2016 5:05 pm
10	F803301610.D	8270BNA8.M	WG878844-14	WG878844,MSAI06	3/30/2016 5:36 pm
11	F803301611.D	8270BNA8.M	WG878844-15	WG878844,MSAI31	3/30/2016 6:07 pm
12	F803301612.D	8270BNA8.M	WG878844-16	WG878844,MSAI22	3/30/2016 6:38 pm
13	F803301613.D	8270BNA8.M	L1607846-03 ✓	WG878844,WG876532..	3/30/2016 7:09 pm
14	F803301614.D	8270BNA8.M	L1608144-05	WG879165,WG877024..	3/30/2016 7:41 pm
15	F803301615.D	8270BNA8.M	L1608144-06	WG879165,WG877024..	3/30/2016 8:13 pm
16	F803301616.D	8270BNA8.M	L1608144-07	WG879165,WG877024..	3/30/2016 8:44 pm
17	F803301617.D	8270BNA8.M	L1608144-08	WG879165,WG877024..	3/30/2016 9:15 pm
18	F803301618.D	8270BNA8.M	L1608144-10	WG879165,WG877024..	3/30/2016 9:47 pm
19	F803301619.D	8270BNA8.M	L1608144-09D,32,5	WG879165,WG877024..	3/30/2016 10:18 pm
20	F803301620.D	8270BNA8.M	L1608144-11D,32,5	WG879165,WG877024..	3/30/2016 10:50 pm
21	F803301621.D	8270BNA8.M	L1608144-03D,32,25	WG879165,WG877024..	3/30/2016 11:21 pm
22	F803301622.D	8270BNA8.M	L1608144-04D,32,25	WG879165,WG877024..	3/30/2016 11:52 pm
23	F803301623.D	8270BNA8.M	L1608144-01D,32,100	WG879165,WG877024..	3/31/2016 12:24 am
24	F803301624.D	8270BNA8.M	L1608144-02D,32,100	WG879165,WG877024..	3/31/2016 12:55 am
25	F803301625.D	8270BNA8.M	L1607850-04		3/31/2016 1:26 am
26	F803301626.D	8270BNA8.M	L1607850-02D,32,50		3/31/2016 1:57 am
27	F803301627.D	8270BNA8.M	L1607850-03D,32,50		3/31/2016 2:29 am
28	F803301628.D	8270BNA8.M	L1607850-01D,32,100		3/31/2016 3:00 am
29	F803301629.D	8270BNA8.M	WG878483-4D,32,100		3/31/2016 3:31 am
30	F803301630.D	8270BNA8.M	WG878483-5D,32,100		3/31/2016 4:02 am

SeqLog 1.0 - (c) 2009 Abacus Database Applications

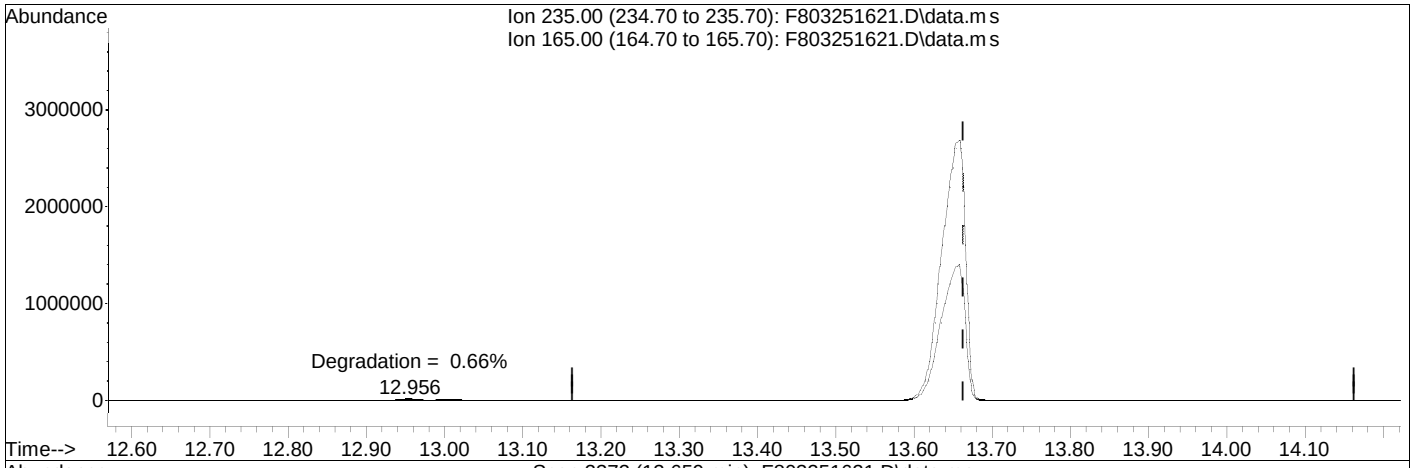
Analytical Event

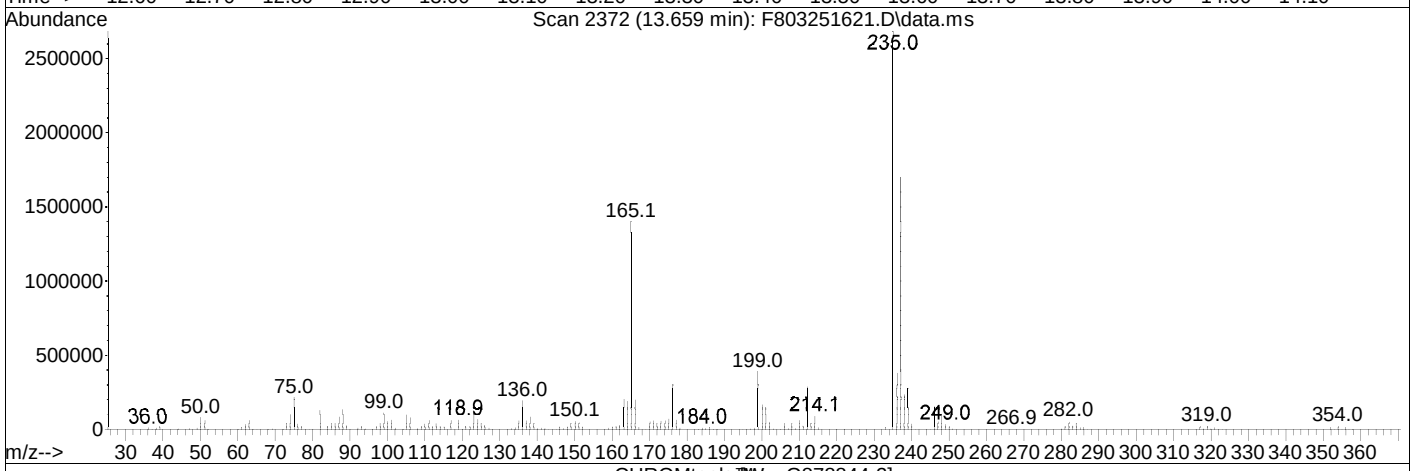
Degradation Check Standard

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251621.D
Acq On : 26 Mar 2016 12:47 pm
Operator : BNA8:ML
Sample : WG878844-2
Misc : WG878844,MSAI06
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Mar 28 16:09:31 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\DFTPPBNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 07:48:02 2016
Response via : Initial Calibration





CHROMtools TW G878844-2]

(4) DDT ( )

13.659min (-0.005) 0.00

response 5543677

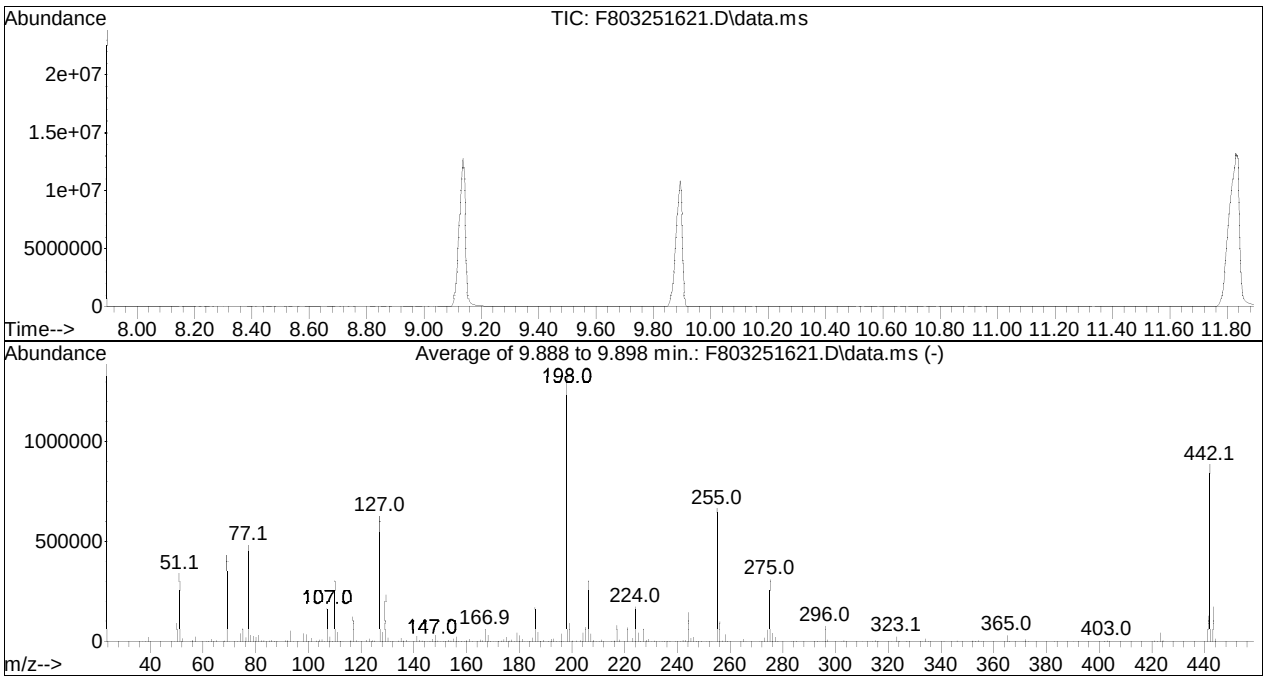
Ion	Exp%	Act%
235.00	100	100
165.00	51.40	53.25
0.00	0.00	0.00
0.00	0.00	0.00

Continuing Calibration
DFTPP Tune

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251621.D
Acq On : 26 Mar 2016 12:47 pm
Operator : BNA8:ML
Sample : WG878844-1
Misc : WG878844,MSAI06
ALS Vial : 48 Sample Multiplier: 1

Integration File: RTEINT.P

Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\DFTPPBNA8.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Apr 30 16:06:20 2015



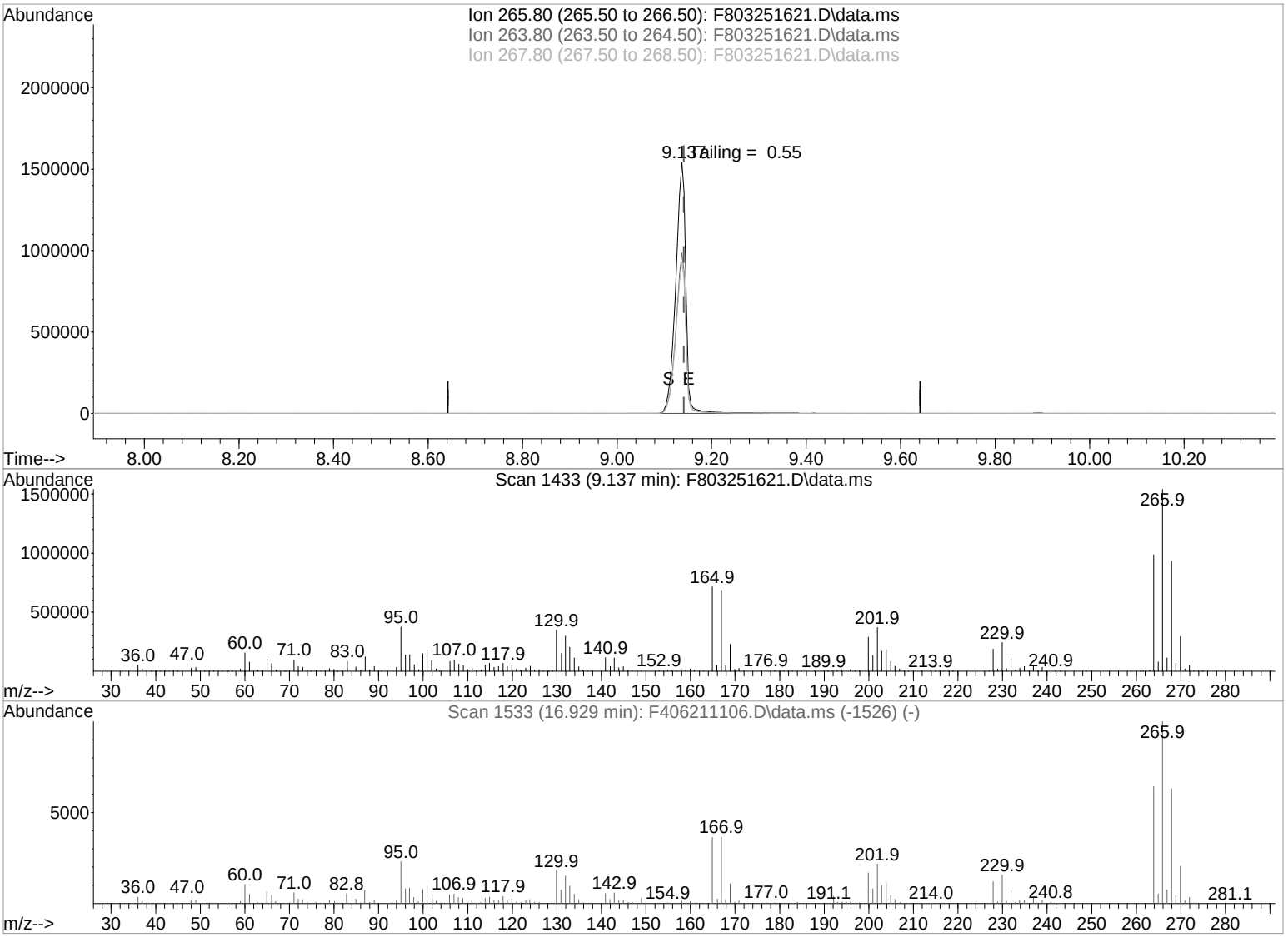
Spectrum Information: Average of 9.888 to 9.898 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	25.7	338752	PASS
68	69	0.00	2	1.6	6908	PASS
70	69	0.00	2	0.5	2036	PASS
127	198	10	80	47.5	626475	PASS
197	198	0.00	2	0.1	1974	PASS
198	198	100	100	100.0	1320277	PASS
199	198	5	9	6.7	88304	PASS
275	198	10	60	23.6	311424	PASS
365	198	1	100	2.3	30597	PASS
441	442	0.01	24	14.2	126040	PASS
442	198	50	100	67.0	884715	PASS
443	442	15	24	19.4	171797	PASS

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251621.D
Acq On : 26 Mar 2016 12:47 pm
Operator : BNA8:ML
Sample : WG878844-2
Misc : WG878844,MSAI06
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Mar 28 16:09:31 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\DFTPPBNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 07:48:02 2016
Response via : Initial Calibration



CHROMtools™ [WG878844-2]

(1) Pentachlorophenol (MC)

9.137min (-0.005) 43.63 ug/mL

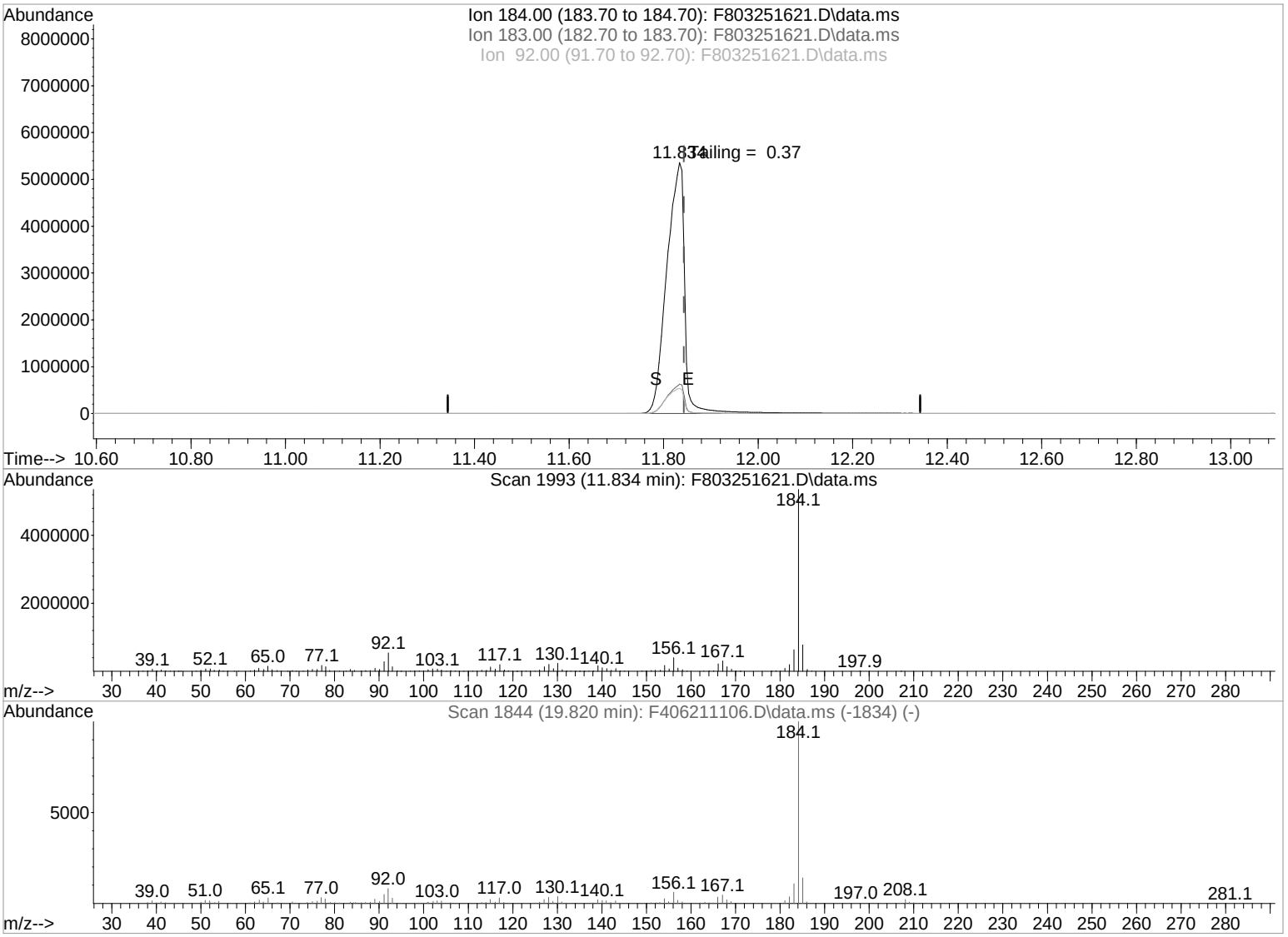
response 2283484 ~2 x >CAL (25)

Ion	Exp%	Act%
265.80	100	100
263.80	64.30	63.26
267.80	60.70	60.41
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251621.D
Acq On : 26 Mar 2016 12:47 pm
Operator : BNA8:ML
Sample : WG878844-2
Misc : WG878844,MSAI06
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Mar 28 16:09:31 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\DFTPPBNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 07:48:02 2016
Response via : Initial Calibration



CHROMtools™ [WG878844-2]

(3) Benzidine (T)

11.834min (-0.010) 172.49 ug/mL

response 14034697 ~7 x >CAL (25)

Ion	Exp%	Act%
184.00	100	100
183.00	11.70	11.28
92.00	9.40	10.20
0.00	0.00	0.00

Continuing Calibration

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251622.D
Acq On : 26 Mar 2016 1:17 pm
Operator : BNA8:ML
Sample : WG878844-3
Misc : WG878844,MSAI31
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Mar 30 16:06:16 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 09:33:35 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4		1.000	1.000	0.0	91	0.00
2	T	N-Nitrosodimethylamine		0.657	0.663	-0.9	90	0.00
3	t	Pyridine		1.220	1.235	-1.2	92	0.00
4	S	2-Fluorophenol		1.110	1.178	-6.1	92	0.00
5	T	Benzaldehyde		0.872	0.000	100.0#	0#	-4.39#
6	T	Aniline		1.579	1.565	0.9	91	0.00
7	T	bis(2-Chloroethyl)ether		0.722	0.743	-2.9	91	0.00
8	S	Phenol-d5		1.340	1.411	-5.3	92	0.00
9	MC	Phenol		1.422	1.501	-5.6#	92	0.00
10	M	2-Chlorophenol		1.225	1.281	-4.6	92	0.00
11	T	1,3-Dichlorobenzene		1.308	1.381	-5.6	93	0.00
12	MC	1,4-Dichlorobenzene		1.305	1.380	-5.7#	93	0.00
13	T	1,2-Dichlorobenzene		1.231	1.300	-5.6	93	0.00
14	T	Benzyl alcohol		0.723	0.733	-1.4	90	0.00
15	T	bis(2-chloroisopropyl)ether		1.225	1.237	-1.0	91	0.00
16	T	2-Methylphenol		0.968	0.964	0.4	89	0.00
17	T	Acetophenone		1.388	0.000	100.0#	0#	-5.11#
18	T	Hexachloroethane		0.504	0.532	-5.6	94	0.00
19	MP	N-Nitroso-di-n-propylamine		0.724	0.726	-0.3	92	0.00
20	T	4-Methylphenol		1.029	1.047	-1.7	90	0.00
21	I	Naphthalene-d8		1.000	1.000	0.0	89	0.00
22	S	Nitrobenzene-d5		0.240	0.265	-10.4	95	0.00
23	T	Nitrobenzene		0.249	0.276	-10.8	94	0.00
24	T	Isophorone		0.447	0.468	-4.7	91	0.00
25	TC	2-Nitrophenol	*	10.000	10.930	-9.3#	98	0.00
26	T	2,4-Dimethylphenol		0.243	0.244	-0.4	89	0.00
27	T	Benzoic acid	*	10.000	10.167	-1.7	101	0.00
28	T	bis(2-Chloroethoxy)methane		0.314	0.328	-4.5	91	0.00
29	TC	2,4-Dichlorophenol		0.235	0.254	-8.1#	92	0.00
30	M	1,2,4-Trichlorobenzene		0.252	0.265	-5.2	92	0.00
31	T	Naphthalene		0.825	0.882	-6.9	93	0.00
32	T	2-Chloroaniline		0.433	0.466	-7.6	93	0.00
33	T	4-Chloroaniline		0.355	0.373	-5.1	91	0.00
34	TC	Hexachlorobutadiene		0.122	0.129	-5.7#	92	0.00
35	T	Caprolactam		0.083	0.000	100.0#	0#	-6.30#
36	MC	4-Chloro-3-methylphenol		0.228	0.243	-6.6#	90	0.00
37	T	2-Methylnaphthalene		0.539	0.584	-8.3	92	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251622.D
Acq On : 26 Mar 2016 1:17 pm
Operator : BNA8:ML
Sample : WG878844-3
Misc : WG878844,MSAI31
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Mar 30 16:06:16 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 09:33:35 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
38	I	Acenaphthene-d10		1.000	1.000	0.0	91	0.00
39	T	1,2,4,5-Tetrachlorobenzene		0.451	0.477	-5.8	90	0.00
40	TP	Hexachlorocyclopentadiene		0.243	0.267	-9.9	90	0.00
41	TC	2,4,6-Trichlorophenol		0.345	0.372	-7.8#	91	0.00
42	T	2,4,5-Trichlorophenol		0.342	0.374	-9.4	92	0.00
43	S	2-Fluorobiphenyl		1.165	1.240	-6.4	92	0.00
44	T	Biphenyl		1.370	0.000	100.0#	0#	-7.04#
45	T	2-Chloronaphthalene		1.091	1.144	-4.9	91	0.00
46	T	2-Nitroaniline		0.227	0.267	-17.6	94	0.00
47	T	Acenaphthylene		1.801	1.924	-6.8	92	0.00
48	T	Dimethylphthalate		1.170	1.199	-2.5	91	0.00
49	T	2,6-Dinitrotoluene	*	10.000	10.658	-6.6	96	0.00
50	MC	Acenaphthene		1.075	1.132	-5.3#	91	0.00
51	T	3-Nitroaniline	*	10.000	10.235	-2.3	92	0.00
52	TP	2,4-Dinitrophenol	*	10.000	10.669	-6.7	105	0.00
53	T	Dibenzofuran		1.392	1.471	-5.7	91	0.00
54		2,3,4,6-Tetrachlorophenol		0.213	0.237	-11.3	91	0.00
55	M	2,4-Dinitrotoluene	*	10.000	10.638	-6.4	96	0.00
56	MP	4-Nitrophenol	*	10.000	9.471	5.3	90	0.00
57	T	Fluorene		1.143	1.225	-7.2	92	0.00
58	T	4-Chlorophenyl-phenylether		0.493	0.528	-7.1	92	0.00
59	T	Diethylphthalate		1.236	1.279	-3.5	91	0.00
60	T	4-Nitroaniline	*	10.000	10.194	-1.9	92	0.00
61	I	Phenanthrene-d10		1.000	1.000	0.0	89	0.00
62	T	4,6-Dinitro-2-methylphenol	*	10.000	10.855	-8.6	105	0.00
63	T	Azobenzene		0.174	0.181	-4.0	89	0.00
64	TC	n-Nitrosodiphenylamine		0.454	0.481	-5.9#	90	0.00
65	S	2,4,6-Tribromophenol		0.061	0.069	-13.1	92	0.00
66	T	4-Bromophenyl-phenylether		0.158	0.166	-5.1	89	0.00
67	T	Hexachlorobenzene		0.161	0.167	-3.7	89	0.00
68	T	Atrazine		0.162	0.000	100.0#	0#	-9.02#
69	MC	Pentachlorophenol	*	10.000	9.925	0.7#	92	0.00
70	T	Pentachloronitrobenzene	*	10.000	10.676	-6.8	94	0.00
71	T	Phenanthrene		0.910	0.968	-6.4	90	0.00
72	T	Anthracene		0.926	0.985	-6.4	90	0.00
73	T	Carbazole		0.906	0.950	-4.9	89	0.00
74	T	Di-n-butylphthalate		1.120	1.207	-7.8	89	0.00
75	TC	Fluoranthene		0.962	1.032	-7.3#	90	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251622.D
Acq On : 26 Mar 2016 1:17 pm
Operator : BNA8:ML
Sample : WG878844-3
Misc : WG878844,MSAI31
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Mar 30 16:06:16 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 09:33:35 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
76	I	Chrysene-d12	1.000	1.000	0.0	86	0.00
77	T	Benzidine	* 10.000	0.000	100.0#	0	-11.80#
78	M	Pyrene	1.081	1.145	-5.9	89	0.00
79	S	Terphenyl-d14	0.639	0.671	-5.0	87	0.00
80	T	Butylbenzylphthalate	0.546	0.590	-8.1	87	0.00
81	T	3,3'-Dichlorobenzidine	0.322	0.000	100.0#	0#	-14.64#
82	T	Benz[a]anthracene	0.989	0.999	-1.0	85	0.00
83	T	Chrysene	0.952	0.997	-4.7	88	0.00
84	T	bis(2-Ethylhexyl)phthalate	0.733	0.788	-7.5	86	0.00
85	I	Perylene-d12	1.000	1.000	0.0	84	0.00
86	TC	Di-n-octylphthalate	1.278	1.462	-14.4#	83	0.00
87	T	Benzo[b]fluoranthene	0.954	1.029	-7.9	86	0.00
88	T	Benzo[k]fluoranthene	0.926	1.043	-12.6	86	0.00
89	TC	Benzo[a]pyrene	0.916	1.015	-10.8#	86	0.00
90	T	Indeno[1,2,3-cd]pyrene	0.810	0.873	-7.8	83	0.00
91	T	Dibenz[a,h]anthracene	0.808	0.892	-10.4	84	0.00
92	T	Benzo[g,h,i]perylene	0.852	0.932	-9.4	84	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 13

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	1.03	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.81	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251622.D
Acq On : 26 Mar 2016 1:17 pm
Operator : BNA8:ML
Sample : WG878844-3
Misc : WG878844,MSAI31
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Mar 30 16:06:16 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 09:33:35 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.755	152	506077	5.000	ug/mL	0.00
21) Naphthalene-d8	5.911	136	1867814	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.606	164	869047	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.402	188	1582887	5.000	ug/mL	0.00
76) Chrysene-d12	14.627	240	1458258	5.000	ug/mL	0.00
85) Perylene-d12	17.713	264	1324591	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.696	112	1192605	10.612	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 53.06%			
8) Phenol-d5	4.418	99	1427831	10.525	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 52.63%			
22) Nitrobenzene-d5	5.246	82	991189	11.061	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 55.31%			
43) 2-Fluorobiphenyl	6.946	172	2155531	10.645	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 53.23%			
65) 2,4,6-Tribromophenol	8.473	330	219747	11.329	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 56.65%			
79) Terphenyl-d14	12.325	244	1957729	10.500	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 52.50%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.795	74	670619	10.092	ug/mL	99
3) Pyridine	2.805	79	1250218	10.127	ug/mL	98
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.476	93	1584416	9.916	ug/ml	99
7) bis(2-Chloroethyl)ether	4.519	63	751922	10.291	ug/mL	99
9) Phenol	4.428	94	1518812	10.555	ug/mL	96
10) 2-Chlorophenol	4.572	128	1296401	10.459	ug/mL	99
11) 1,3-Dichlorobenzene	4.707	146	1397571	10.555	ug/mL	100
12) 1,4-Dichlorobenzene	4.770	146	1396415	10.576	ug/mL	99
13) 1,2-Dichlorobenzene	4.904	146	1315829	10.561	ug/mL	100
14) Benzyl alcohol	4.866	108	741691	10.140	ug/mL	97
15) bis(2-chloroisopropyl)eth	4.986	45	1251724	10.095	ug/mL	99
16) 2-Methylphenol	4.953	108	975849	9.956	ug/mL	100
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	5.208	117	538282	10.549	ug/mL	99
19) N-Nitroso-di-n-propylamin	5.112	70	735170	10.031	ug/mL	99
20) 4-Methylphenol	5.092	108	1059858	10.179	ug/mL	99
23) Nitrobenzene	5.266	77	1030548	11.077	ug/mL	97

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251622.D
Acq On : 26 Mar 2016 1:17 pm
Operator : BNA8:ML
Sample : WG878844-3
Misc : WG878844,MSAI31
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Mar 30 16:06:16 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 09:33:35 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.487	82	1748306	10.466	ug/mL	99
25) 2-Nitrophenol	5.555	139	613585	10.930	ug/mL	98
26) 2,4-Dimethylphenol	5.583	107	912116	10.040	ug/mL	98
27) Benzoic acid	5.675	105	536336M4	10.167	ug/mL	
28) bis(2-Chloroethoxy)methan	5.680	93	1224121	10.439	ug/mL	99
29) 2,4-Dichlorophenol	5.771	162	950170	10.813	ug/mL	99
30) 1,2,4-Trichlorobenzene	5.858	180	991755	10.547	ug/mL	99
31) Naphthalene	5.935	128	3294663	10.687	ug/mL	100
32) 2-Chloroaniline	5.521	127	1742597	10.776	ug/ml	99
33) 4-Chloroaniline	5.978	127	1394261	10.500	ug/mL	99
34) Hexachlorobutadiene	6.046	225	482561	10.580	ug/mL	99
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	6.431	107	908075	10.670	ug/mL	99
37) 2-Methylnaphthalene	6.590	142	2180486	10.824	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.754	216	828662	10.566	ug/mL	99
40) Hexachlorocyclopentadiene	6.744	237	464036	10.987	ug/mL	98
41) 2,4,6-Trichlorophenol	6.860	196	647332	10.780	ug/mL	100
42) 2,4,5-Trichlorophenol	6.893	196	650754	10.935	ug/mL	99
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	7.062	162	1987585	10.478	ug/mL	99
46) 2-Nitroaniline	7.163	65	463810	11.749	ug/mL	94
47) Acenaphthylene	7.466	152	3344878	10.685	ug/mL	99
48) Dimethylphthalate	7.341	163	2083410	10.243	ug/mL	100
49) 2,6-Dinitrotoluene	7.399	165	479694	10.658	ug/mL	98
50) Acenaphthene	7.640	153	1967698	10.527	ug/mL	98
51) 3-Nitroaniline	7.563	138	530775	10.235	ug/mL	93
52) 2,4-Dinitrophenol	7.668	184	229913	10.669	ug/mL	95
53) Dibenzofuran	7.818	168	2556774	10.566	ug/mL	99
54) 2,3,4,6-Tetrachlorophenol	7.943	232	412412	11.125	ug/mL	99
55) 2,4-Dinitrotoluene	7.803	165	642387	10.638	ug/mL#	82
56) 4-Nitrophenol	7.726	109	238084	9.471	ug/mL	98
57) Fluorene	8.193	166	2129518	10.720	ug/mL	100
58) 4-Chlorophenyl-phenylethe	8.198	204	917189	10.706	ug/mL	98
59) Diethylphthalate	8.073	149	2223634	10.348	ug/mL	100
60) 4-Nitroaniline	8.217	138	560094	10.194	ug/mL	96
62) 4,6-Dinitro-2-methylpheno	8.251	198	330351	10.855	ug/mL	99
63) Azobenzene	8.381	182	573115	10.398	ug/mL	95
64) n-Nitrosodiphenylamine	8.333	169	1522639	10.604	ug/mL	99
66) 4-Bromophenyl-phenylether	8.790	248	525715	10.483	ug/mL	99
67) Hexachlorobenzene	8.863	284	529935	10.401	ug/mL	96
68) Atrazine	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251622.D
Acq On : 26 Mar 2016 1:17 pm
Operator : BNA8:ML
Sample : WG878844-3
Misc : WG878844,MSAI31
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Mar 30 16:06:16 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 09:33:35 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	9.128	266	402837	9.925	ug/mL	98
70) Pentachloronitrobenzene	9.147	237	204587	10.676	ug/ml	93
71) Phenanthrene	9.436	178	3064409	10.639	ug/mL	100
72) Anthracene	9.513	178	3119329	10.645	ug/mL	99
73) Carbazole	9.763	167	3006107	10.479	ug/mL	99
74) Di-n-butylphthalate	10.394	149	3821337	10.775	ug/mL	100
75) Fluoranthene	11.477	202	3268548	10.735	ug/mL	99
77) Benzidine	0.000		0	N.D.		
78) Pyrene	11.916	202	3340224	10.597	ug/mL	99
80) Butylbenzylphthalate	13.509	149	1721684	10.814	ug/mL	99
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	14.603	228	2913110	10.104	ug/mL	99
83) Chrysene	14.689	228	2908788	10.476	ug/mL	99
84) bis(2-Ethylhexyl)phthalat	14.978	149	2297390	10.744	ug/mL	100
86) Di-n-octylphthalate	16.490	149	3871904	11.438	ug/mL	99
87) Benzo[b]fluoranthene	16.981	252	2727095	10.791	ug/mL	100
88) Benzo[k]fluoranthene	17.044	252	2763086	11.260	ug/mL	100
89) Benzo[a]pyrene	17.612	252	2689863	11.083	ug/mL	99
90) Indeno[1,2,3-cd]pyrene	19.524	276	2313123	10.778	ug/mL	100
91) Dibenz[a,h]anthracene	19.577	278	2362927M4	11.033	ug/mL	
92) Benzo[g,h,i]perylene	19.943	276	2468202	10.929	ug/mL	99

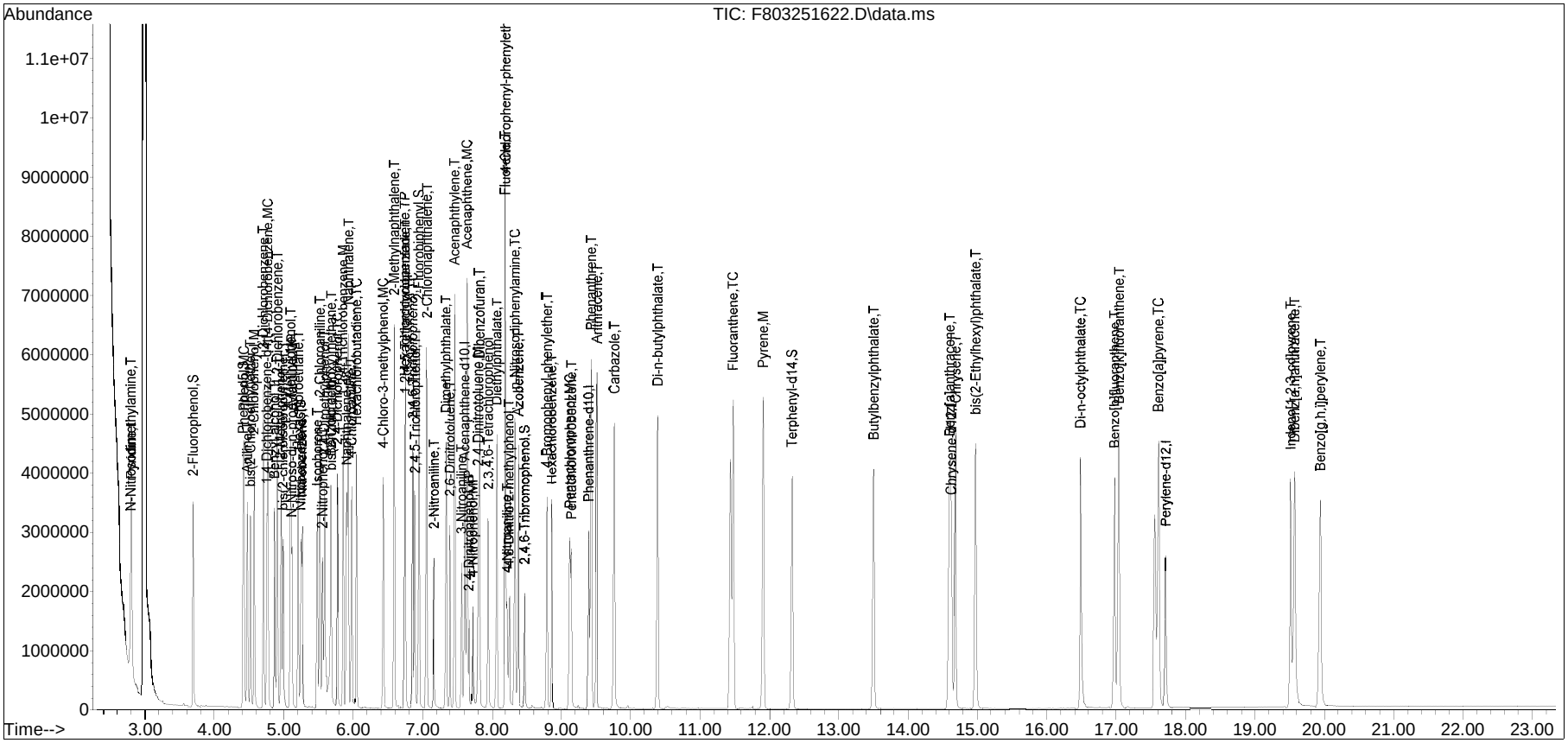
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251622.D
Acq On : 26 Mar 2016 1:17 pm
Operator : BNA8:ML
Sample : WG878844-3
Misc : WG878844,MSAI31
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Mar 30 16:06:16 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 09:33:35 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251623.D
Acq On : 26 Mar 2016 1:48 pm
Operator : BNA8:ML
Sample : WG878844-4
Misc : WG878844,MSAI22
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Mar 30 15:45:53 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 09:33:35 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
2	T	N-Nitrosodimethylamine	0.657	0.000	100.0#	0#	-2.79#
3	t	Pyridine	1.220	0.000	100.0#	0#	-2.81#
4	S	2-Fluorophenol	1.110	0.000	100.0#	0#	-3.69#
5	T	Benzaldehyde	0.872	0.890	-2.1	88	0.00
6	T	Aniline	1.579	0.000	100.0#	0#	-4.47#
7	T	bis(2-Chloroethyl)ether	0.722	0.000	100.0#	0#	-4.52#
8	S	Phenol-d5	1.340	0.000	100.0#	0#	-4.41#
9	MC	Phenol	1.422	0.000	100.0#	0#	-4.43#
10	M	2-Chlorophenol	1.225	0.000	100.0#	0#	-4.57#
11	T	1,3-Dichlorobenzene	1.308	0.000	100.0#	0#	-4.70#
12	MC	1,4-Dichlorobenzene	1.305	0.000	100.0#	0#	-4.77#
13	T	1,2-Dichlorobenzene	1.231	0.000	100.0#	0#	-4.90#
14	T	Benzyl alcohol	0.723	0.000	100.0#	0#	-4.87#
15	T	bis(2-chloroisopropyl)ether	1.225	0.000	100.0#	0#	-4.99#
16	T	2-Methylphenol	0.968	0.000	100.0#	0#	-4.95#
17	T	Acetophenone	1.388	1.459	-5.1	90	0.00
18	T	Hexachloroethane	0.504	0.000	100.0#	0#	-5.20#
19	MP	N-Nitroso-di-n-propylamine	0.724	0.000	100.0#	0#	-5.11#
20	T	4-Methylphenol	1.029	0.000	100.0#	0#	-5.09#
21	I	Naphthalene-d8	1.000	1.000	0.0	103	0.00
22	S	Nitrobenzene-d5	0.240	0.000	100.0#	0#	-5.25#
23	T	Nitrobenzene	0.249	0.000	100.0#	0#	-5.26#
24	T	Isophorone	0.447	0.000	100.0#	0#	-5.48#
25	TC	2-Nitrophenol	* 10.000	0.000	100.0#	0	-5.55#
26	T	2,4-Dimethylphenol	0.243	0.000	100.0#	0#	-5.58#
27	T	Benzoic acid	* 10.000	0.000	100.0#	0	-5.67#
28	T	bis(2-Chloroethoxy)methane	0.314	0.000	100.0#	0#	-5.67#
29	TC	2,4-Dichlorophenol	0.235	0.000	100.0#	0#	-5.77#
30	M	1,2,4-Trichlorobenzene	0.252	0.000	100.0#	0#	-5.86#
31	T	Naphthalene	0.825	0.000	100.0#	0#	-5.93#
32	T	2-Chloroaniline	0.433	0.000	100.0#	0#	-5.52#
33	T	4-Chloroaniline	0.355	0.000	100.0#	0#	-5.98#
34	TC	Hexachlorobutadiene	0.122	0.000	100.0#	0#	-6.05#
35	T	Caprolactam	0.083	0.087	-4.8	88	0.00
36	MC	4-Chloro-3-methylphenol	0.228	0.000	100.0#	0#	-6.43#
37	T	2-Methylnaphthalene	0.539	0.000	100.0#	0#	-6.59#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251623.D
Acq On : 26 Mar 2016 1:48 pm
Operator : BNA8:ML
Sample : WG878844-4
Misc : WG878844,MSAI22
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Mar 30 15:45:53 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 09:33:35 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
38	I	Acenaphthene-d10		1.000	1.000	0.0	104	0.00
39	T	1,2,4,5-Tetrachlorobenzene		0.451	0.000	100.0#	0#	-6.75#
40	TP	Hexachlorocyclopentadiene		0.243	0.000	100.0#	0#	-6.74#
41	TC	2,4,6-Trichlorophenol		0.345	0.000	100.0#	0#	-6.86#
42	T	2,4,5-Trichlorophenol		0.342	0.000	100.0#	0#	-6.89#
43	S	2-Fluorobiphenyl		1.165	0.000	100.0#	0#	-6.95#
44	T	Biphenyl		1.370	1.422	-3.8	90	0.00
45	T	2-Chloronaphthalene		1.091	0.000	100.0#	0#	-7.06#
46	T	2-Nitroaniline		0.227	0.000	100.0#	0#	-7.16#
47	T	Acenaphthylene		1.801	0.000	100.0#	0#	-7.47#
48	T	Dimethylphthalate		1.170	0.000	100.0#	0#	-7.34#
49	T	2,6-Dinitrotoluene	*	10.000	0.000	100.0#	0	-7.40#
50	MC	Acenaphthene		1.075	0.000	100.0#	0#	-7.64#
51	T	3-Nitroaniline	*	10.000	0.000	100.0#	0	-7.57#
52	TP	2,4-Dinitrophenol	*	10.000	0.000	100.0#	0	-7.67#
53	T	Dibenzofuran		1.392	0.000	100.0#	0#	-7.82#
54		2,3,4,6-Tetrachlorophenol		0.213	0.000	100.0#	0#	-7.94#
55	M	2,4-Dinitrotoluene	*	10.000	0.000	100.0#	0	-7.80#
56	MP	4-Nitrophenol	*	10.000	0.000	100.0#	0	-7.73#
57	T	Fluorene		1.143	0.000	100.0#	0#	-8.19#
58	T	4-Chlorophenyl-phenylether		0.493	0.000	100.0#	0#	-8.20#
59	T	Diethylphthalate		1.236	0.000	100.0#	0#	-8.07#
60	T	4-Nitroaniline	*	10.000	0.000	100.0#	0	-8.22#
61	I	Phenanthrene-d10		1.000	1.000	0.0	102	0.00
62	T	4,6-Dinitro-2-methylphenol	*	10.000	0.000	100.0#	0	-8.25#
63	T	Azobenzene		0.174	0.000	100.0#	0#	-8.38#
64	TC	n-Nitrosodiphenylamine		0.454	0.000	100.0#	0#	-8.33#
65	S	2,4,6-Tribromophenol		0.061	0.000	100.0#	0#	-8.47#
66	T	4-Bromophenyl-phenylether		0.158	0.000	100.0#	0#	-8.79#
67	T	Hexachlorobenzene		0.161	0.000	100.0#	0#	-8.86#
68	T	Atrazine		0.162	0.172	-6.2	88	0.00
69	MC	Pentachlorophenol	*	10.000	0.000	100.0#	0	-9.13#
70	T	Pentachloronitrobenzene	*	10.000	0.000	100.0#	0	-9.15#
71	T	Phenanthrene		0.910	0.000	100.0#	0#	-9.44#
72	T	Anthracene		0.926	0.000	100.0#	0#	-9.51#
73	T	Carbazole		0.906	0.000	100.0#	0#	-9.76#
74	T	Di-n-butylphthalate		1.120	0.000	100.0#	0#	-10.39#
75	TC	Fluoranthene		0.962	0.000	100.0#	0#	-11.48#

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251623.D
Acq On : 26 Mar 2016 1:48 pm
Operator : BNA8:ML
Sample : WG878844-4
Misc : WG878844,MSAI22
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Mar 30 15:45:53 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 09:33:35 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
76	I	Chrysene-d12	1.000	1.000	0.0	97	0.00
77	T	Benzidine	* 10.000	9.651	3.5	85	0.00
78	M	Pyrene	1.081	0.000	100.0#	0#	-11.92#
79	S	Terphenyl-d14	0.639	0.000	100.0#	0#	-12.32#
80	T	Butylbenzylphthalate	0.546	0.000	100.0#	0#	-13.51#
81	T	3,3'-Dichlorobenzidine	0.322	0.345	-7.1	87	0.00
82	T	Benz[a]anthracene	0.989	0.000	100.0#	0#	-14.61#
83	T	Chrysene	0.952	0.000	100.0#	0#	-14.69#
84	T	bis(2-Ethylhexyl)phthalate	0.733	0.000	100.0#	0#	-14.98#
85	I	Perylene-d12	1.000	1.000	0.0	91	0.00
86	TC	Di-n-octylphthalate	1.278	0.000	100.0#	0#	-16.49#
87	T	Benzo[b]fluoranthene	0.954	0.000	100.0#	0#	-16.99#
88	T	Benzo[k]fluoranthene	0.926	0.000	100.0#	0#	-17.05#
89	TC	Benzo[a]pyrene	0.916	0.000	100.0#	0#	-17.62#
90	T	Indeno[1,2,3-cd]pyrene	0.810	0.000	100.0#	0#	-19.53#
91	T	Dibenz[a,h]anthracene	0.808	0.000	100.0#	0#	-19.58#
92	T	Benzo[g,h,i]perylene	0.852	0.000	100.0#	0#	-19.95#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 13

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251623.D
Acq On : 26 Mar 2016 1:48 pm
Operator : BNA8:ML
Sample : WG878844-4
Misc : WG878844,MSAI22
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Mar 30 15:45:53 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 09:33:35 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.750	152	562797	5.000	ug/mL	0.00
21) Naphthalene-d8	5.911	136	2160488	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.606	164	997366	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.397	188	1816917	5.000	ug/mL	0.00
76) Chrysene-d12	14.617	240	1639577	5.000	ug/mL	0.00
85) Perylene-d12	17.708	264	1435915	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.384	77	1001294M4	10.205	ug/ml	
6) Aniline	0.000		0	N.D.	d	
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.	d	
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.	d	
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.	d	
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	5.102	105	1642105	10.511	ug/ml	98
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.	d	
23) Nitrobenzene	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251623.D
Acq On : 26 Mar 2016 1:48 pm
Operator : BNA8:ML
Sample : WG878844-4
Misc : WG878844,MSAI22
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Mar 30 15:45:53 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 09:33:35 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D. d		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D. d		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.291	113	374867	10.409	ug/ml	99
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	7.042	154	2836916	10.382	ug/ml	99
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D. d		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D. d		
51) 3-Nitroaniline	0.000		0	N.D. d		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D. d		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D. d		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D. d		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	9.017	200	623517	10.565	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251623.D
Acq On : 26 Mar 2016 1:48 pm
Operator : BNA8:ML
Sample : WG878844-4
Misc : WG878844,MSAI22
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Mar 30 15:45:53 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 09:33:35 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D. d		
72) Anthracene	0.000		0	N.D. d		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D. d		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.800	184	2399232	9.651	ug/mL	99
78) Pyrene	0.000		0	N.D. d		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	14.636	252	1130917	10.704	ug/mL	99
82) Benz[a]anthracene	0.000		0	N.D. d		
83) Chrysene	0.000		0	N.D. d		
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D. d		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D. d		
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

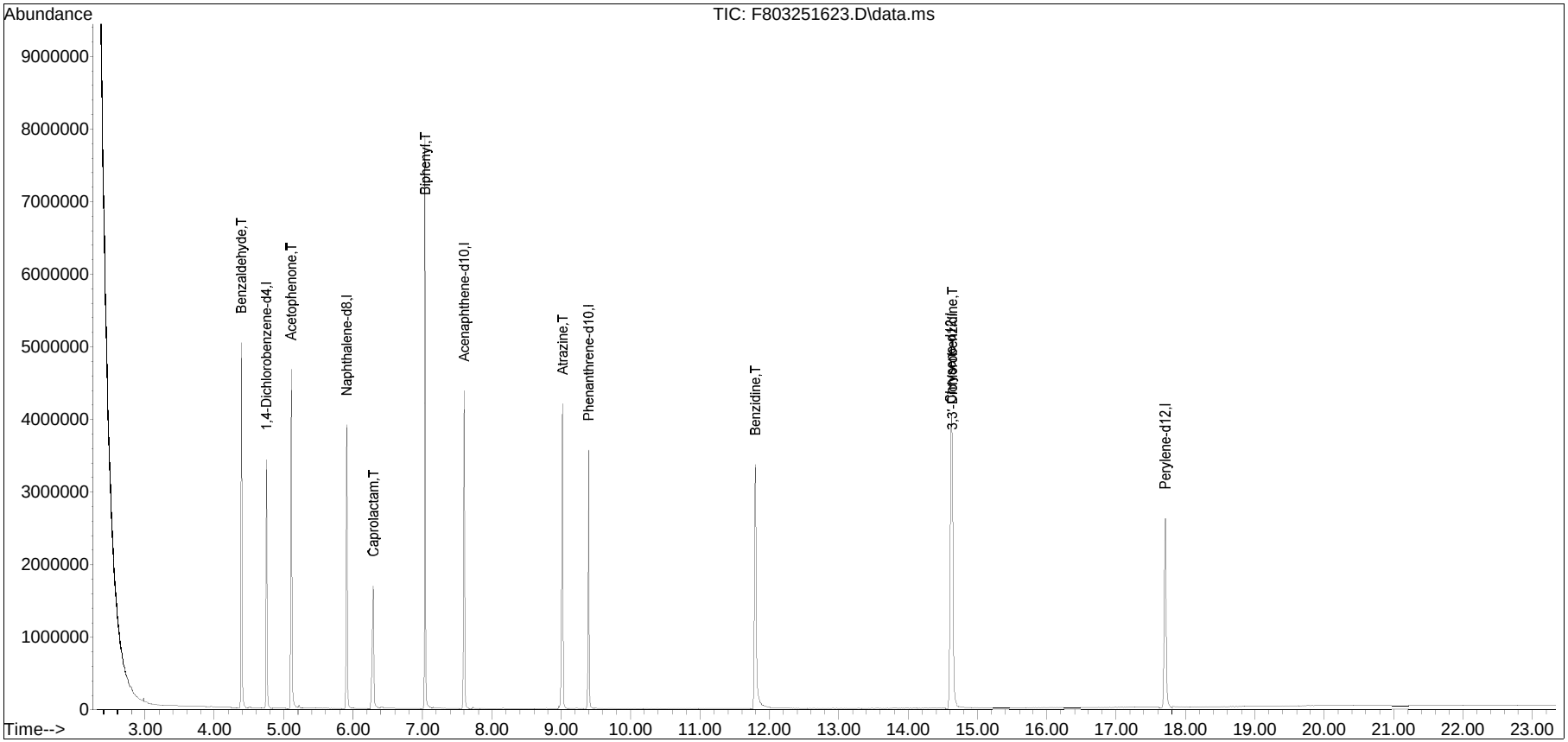
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251623.D
Acq On : 26 Mar 2016 1:48 pm
Operator : BNA8:ML
Sample : WG878844-4
Misc : WG878844,MSAI22
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Mar 30 15:45:53 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 09:33:35 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



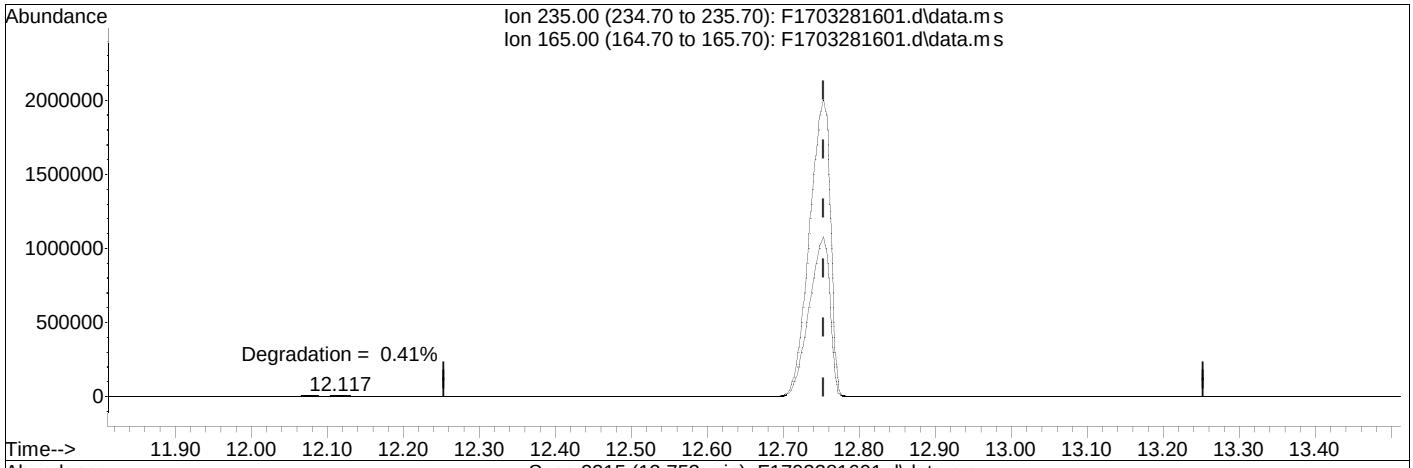
Analytical Event

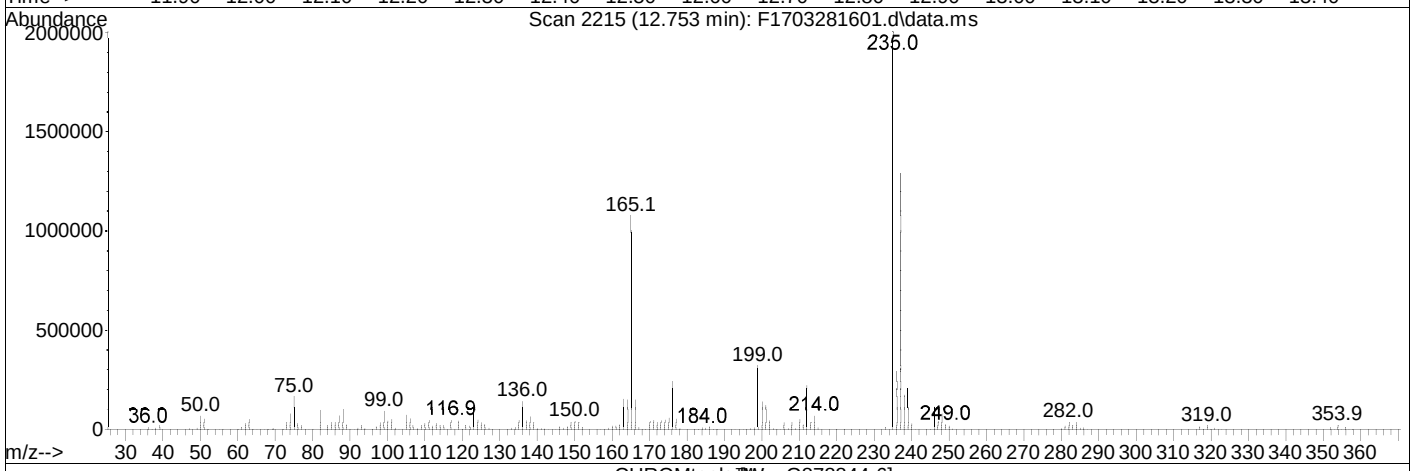
Degradation Check Standard

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281601.d
Acq On : 28 Mar 2016 10:00 am
Operator : PAH17:ML
Sample : WG878844-6
Misc : WG878844,MSAI06
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 14:44:50 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\DFTPPPAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 30 14:44:58 2016
Response via : Initial Calibration





CHROMtools TM [W G878844-6]

(4) DDT ( )

12.753min (0.000) 0.00

response 3718462

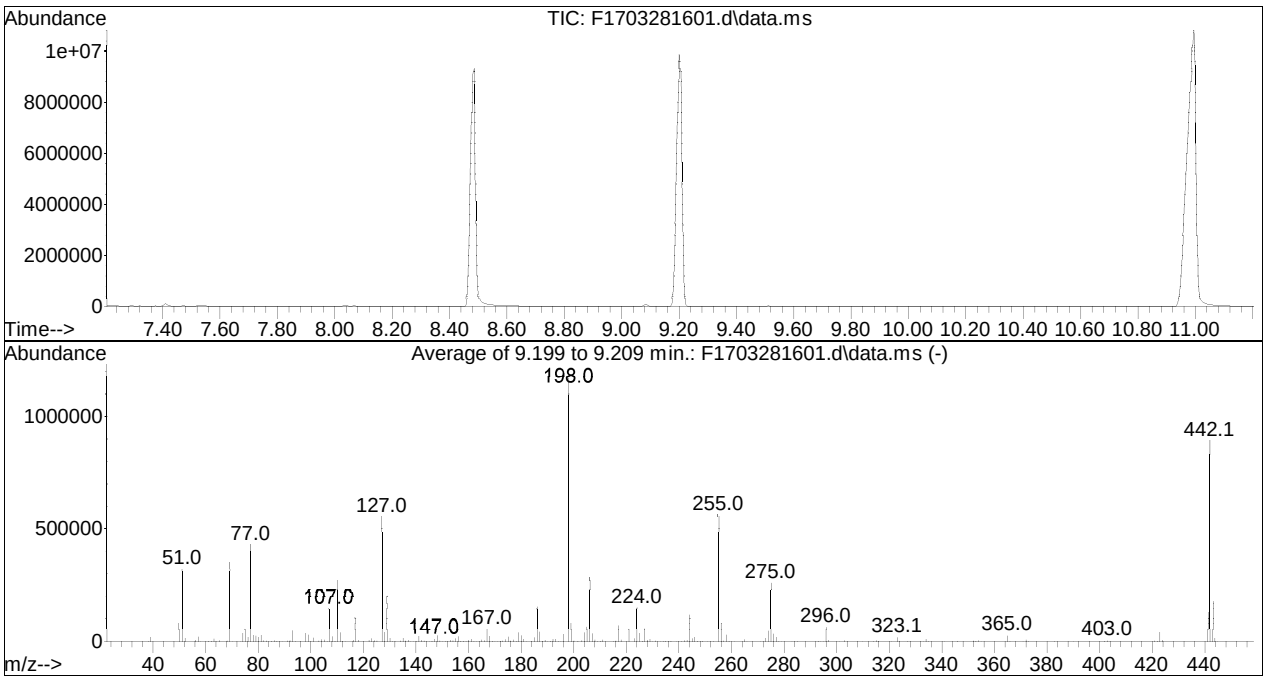
Ion	Exp%	Act%
235.00	100	100
165.00	53.60	53.80
0.00	0.00	0.00
0.00	0.00	0.00

Continuing Calibration
DFTPP Tune

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281601.d
Acq On : 28 Mar 2016 10:00 am
Operator : PAH17:ML
Sample : WG878844-5
Misc : WG878844,MSAI06
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\DFTPPPAH17.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Nov 20 13:11:58 2012



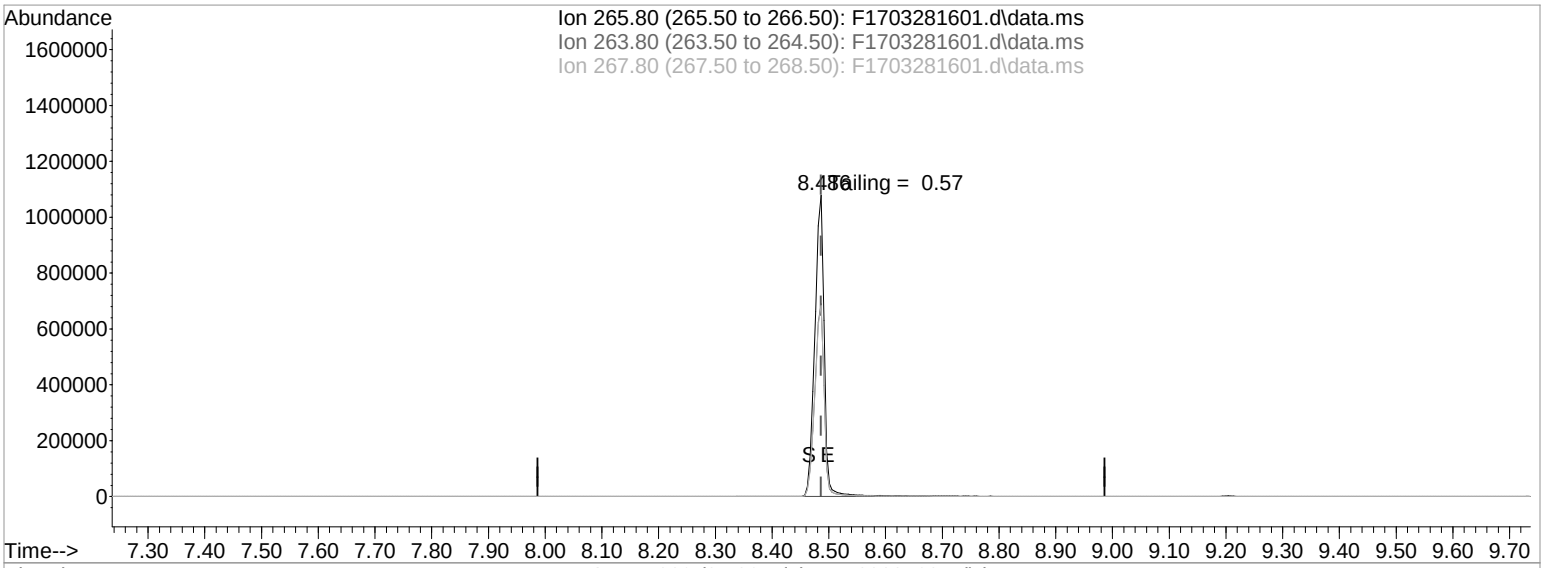
Spectrum Information: Average of 9.199 to 9.209 min.

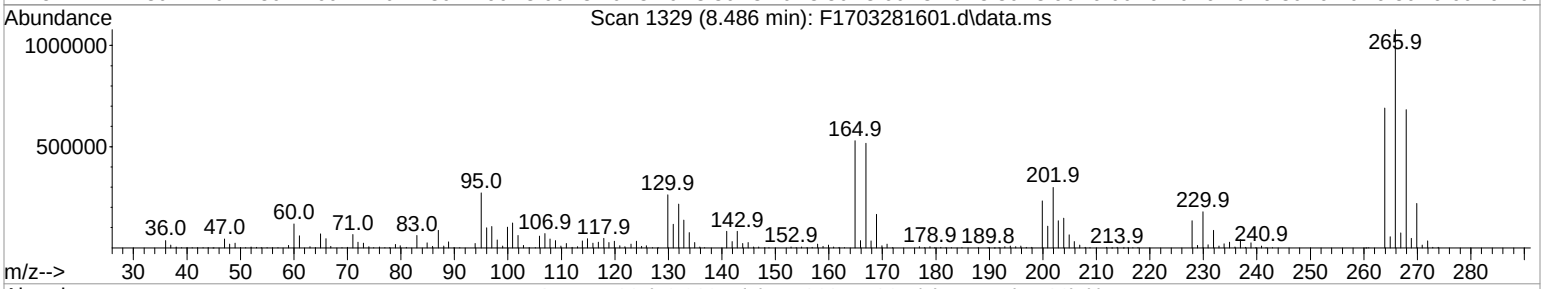
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	27.4	321426	PASS
68	69	0.00	2	1.7	6149	PASS
70	69	0.00	2	0.5	1663	PASS
127	198	10	80	47.4	555563	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1172651	PASS
199	198	5	9	6.8	79467	PASS
275	198	10	60	22.0	258475	PASS
365	198	1	100	2.3	26776	PASS
441	442	0.01	24	14.4	128571	PASS
442	198	50	100	76.1	892416	PASS
443	442	15	24	20.0	178411	PASS

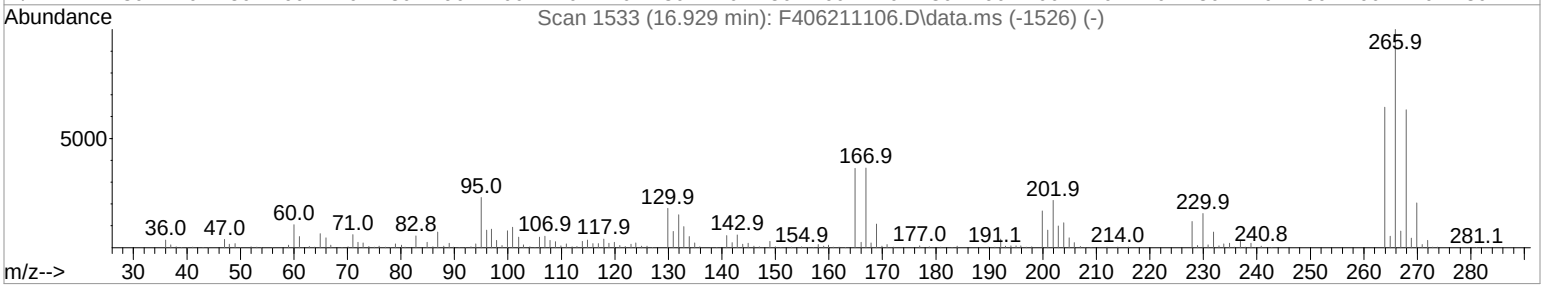
Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281601.d
Acq On : 28 Mar 2016 10:00 am
Operator : PAH17:ML
Sample : WG878844-6
Misc : WG878844,MSAI06
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 14:44:50 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\DFTPPPAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 30 14:44:58 2016
Response via : Initial Calibration







CHROMtools™ [WG878844-6]

(1) Pentachlorophenol (MC)

8.486min (0.000) 23.39 ug/mL

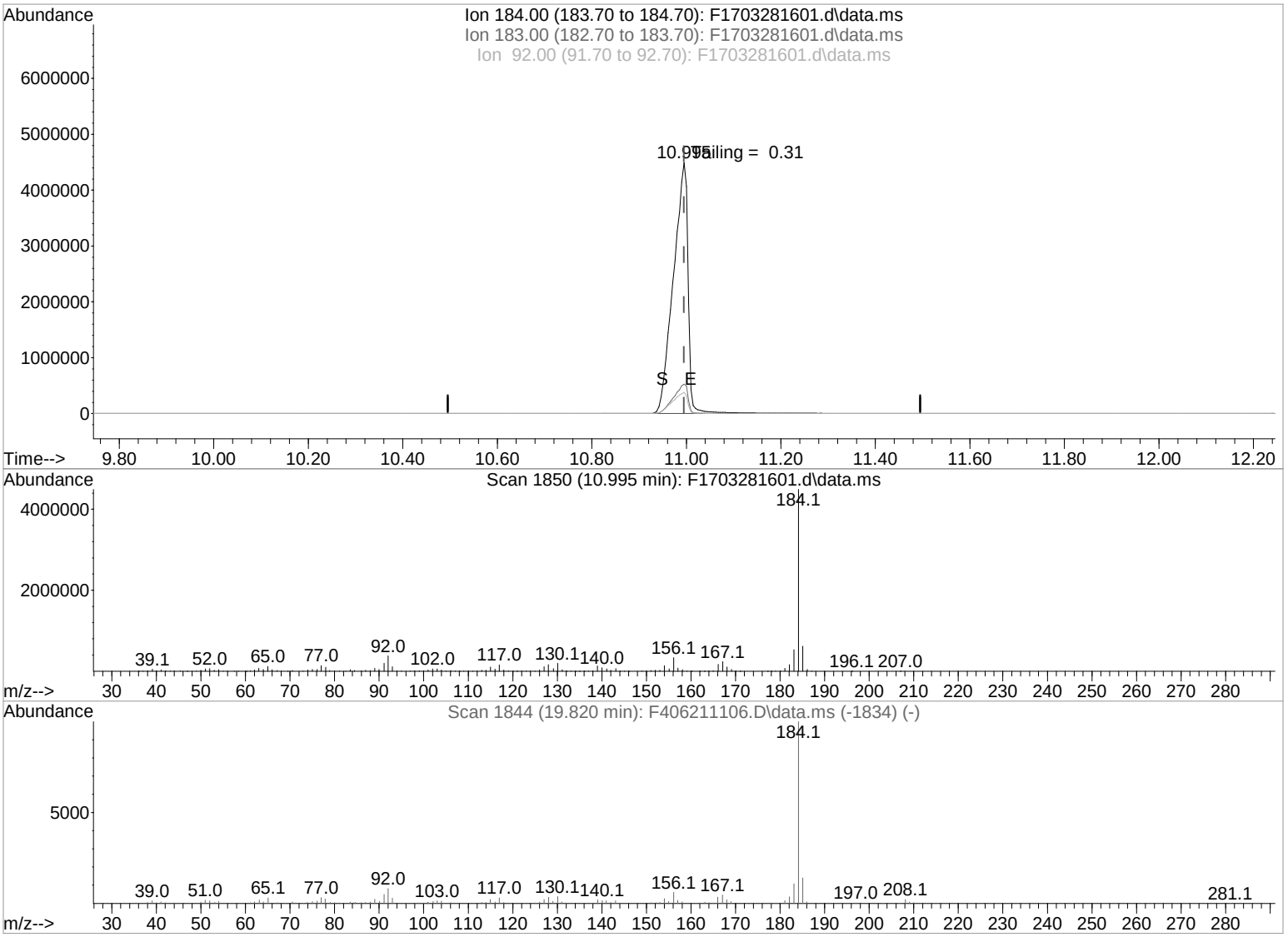
response 1224150

Ion	Exp%	Act%
265.80	100	100
263.80	64.00	64.30
267.80	63.30	63.50
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281601.d
Acq On : 28 Mar 2016 10:00 am
Operator : PAH17:ML
Sample : WG878844-6
Misc : WG878844,MSAI06
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 14:44:50 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\DFTPPPAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 30 14:44:58 2016
Response via : Initial Calibration



CHROMtools™ [WG878844-6]

(3) Benzidine (T)

10.995min (0.000) 118.11 ug/mL

response 9610403 ~5 x >CAL (25)

Ion	Exp%	Act%
184.00	100	100
183.00	11.80	11.63
92.00	8.50	8.79
0.00	0.00	0.00

Continuing Calibration

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281602.d
Acq On : 28 Mar 2016 10:29 am
Operator : PAH17:ML
Sample : WG878844-7
Misc : WG878844,MSAI31
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 29 08:36:46 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:26:24 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
2	T	N-Nitrosodimethylamine	0.781	0.657	15.9	78	0.00
3	t	Pyridine	1.434	1.287	10.3	85	0.00
4	S	2-Fluorophenol	1.248	1.234	1.1	90	0.00
5	T	Benzaldehyde	1.040	0.000	100.0#	0#	-3.89#
6	T	Aniline	1.921	1.734	9.7	86	0.00
7	T	bis(2-Chloroethyl)ether	0.889	0.813	8.5	85	0.00
8	S	Phenol-d5	1.562	1.477	5.4	88	0.00
9	MC	Phenol	1.659	1.569	5.4#	88	0.00
10	M	2-Chlorophenol	1.366	1.337	2.1	91	0.00
11	T	1,3-Dichlorobenzene	1.360	1.352	0.6	92	0.00
12	MC	1,4-Dichlorobenzene	1.362	1.356	0.4#	92	0.00
13	T	1,2-Dichlorobenzene	1.280	1.280	0.0	92	0.00
14	T	Benzyl alcohol	0.903	0.865	4.2	88	0.00
15	T	bis(2-chloroisopropyl)ether	1.721	1.525	11.4	83	0.00
16	T	2-Methylphenol	1.133	1.084	4.3	89	0.00
17	T	Acetophenone	1.748	0.000	100.0#	0#	-4.61#
18	T	Hexachloroethane	0.561	0.560	0.2	92	0.00
19	MP	N-Nitroso-di-n-propylamine	0.906	0.813	10.3	86	0.00
20	T	4-Methylphenol	1.209	1.129	6.6	90	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	91	0.00
22	S	Nitrobenzene-d5	0.300	0.294	2.0	89	0.00
23	T	Nitrobenzene	0.315	0.308	2.2	88	0.00
24	T	Isophorone	0.519	0.489	5.8	87	0.00
25	TC	2-Nitrophenol	0.158	0.173	-9.5#	95	0.00
26	T	2,4-Dimethylphenol	0.275	0.261	5.1	90	0.00
27	T	Benzoic acid	* 10.000	9.542	4.6	87	0.00
28	T	bis(2-Chloroethoxy)methane	0.365	0.336	7.9	87	0.00
29	TC	2,4-Dichlorophenol	0.243	0.246	-1.2#	93	0.00
30	M	1,2,4-Trichlorobenzene	0.255	0.257	-0.8	94	0.00
31	T	Naphthalene	0.866	0.839	3.1	90	0.00
32	T	2-Chloroaniline	0.451	0.441	2.2	90	0.00
33	T	4-Chloroaniline	0.386	0.372	3.6	89	0.00
34	TC	Hexachlorobutadiene	0.121	0.127	-5.0#	98	0.00
35	T	Caprolactam	0.104	0.000	100.0#	0#	-5.79#
36	MC	4-Chloro-3-methylphenol	0.269	0.261	3.0#	89	0.00
37	T	2-Methylnaphthalene	0.567	0.551	2.8	92	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281602.d
Acq On : 28 Mar 2016 10:29 am
Operator : PAH17:ML
Sample : WG878844-7
Misc : WG878844,MSAI31
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 29 08:36:46 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:26:24 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
38	I	Acenaphthene-d10		1.000	1.000	0.0	92	0.00
39	T	1,2,4,5-Tetrachlorobenzene		0.422	0.426	-0.9	96	0.00
40	TP	Hexachlorocyclopentadiene	*	10.000	8.989	10.1	79	0.00
41	TC	2,4,6-Trichlorophenol		0.331	0.332	-0.3#	94	0.00
42	T	2,4,5-Trichlorophenol		0.318	0.340	-6.9	94	0.00
43	S	2-Fluorobiphenyl		1.154	1.118	3.1	92	0.00
44	T	Biphenyl		1.442	0.000	100.0#	0#	-6.54#
45	T	2-Chloronaphthalene		1.104	1.073	2.8	93	0.00
46	T	2-Nitroaniline		0.315	0.311	1.3	88	0.00
47	T	Acenaphthylene		1.782	1.707	4.2	91	0.00
48	T	Dimethylphthalate		1.222	1.171	4.2	92	0.00
49	T	2,6-Dinitrotoluene		0.267	0.283	-6.0	93	0.00
50	MC	Acenaphthene		1.144	1.093	4.5#	92	0.00
51	T	3-Nitroaniline		0.312	0.319	-2.2	90	0.00
52	TP	2,4-Dinitrophenol	*	10.000	11.266	-12.7	113	0.00
53	T	Dibenzofuran		1.400	1.319	5.8	92	0.00
54		2,3,4,6-Tetrachlorophenol		0.197	0.220	-11.7	96	0.00
55	M	2,4-Dinitrotoluene		0.321	0.356	-10.9	95	0.00
56	MP	4-Nitrophenol		0.153	0.154	-0.7	87	0.00
57	T	Fluorene		1.183	1.152	2.6	93	0.00
58	T	4-Chlorophenyl-phenylether		0.520	0.522	-0.4	95	0.00
59	T	Diethylphthalate		1.263	1.200	5.0	91	0.00
60	T	4-Nitroaniline		0.335	0.344	-2.7	89	0.00
61	I	Phenanthrene-d10		1.000	1.000	0.0	94	0.00
62	T	4,6-Dinitro-2-methylphenol	*	10.000	10.507	-5.1	106	0.00
63	T	Azobenzene		0.203	0.191	5.9	90	0.00
64	TC	n-Nitrosodiphenylamine		0.484	0.450	7.0#	90	0.00
65	S	2,4,6-Tribromophenol		0.050	0.056	-12.0	101	0.00
66	T	4-Bromophenyl-phenylether		0.150	0.149	0.7	96	0.00
67	T	Hexachlorobenzene		0.144	0.146	-1.4	98	0.00
68	T	Atrazine		0.184	0.000	100.0#	0#	-8.40#
69	MC	Pentachlorophenol	*	10.000	10.106	-1.1#	102	0.00
70	T	Pentachloronitrobenzene		0.056	0.063	-12.5	96	0.00
71	T	Phenanthrene		0.978	0.929	5.0	92	0.00
72	T	Anthracene		1.002	0.952	5.0	92	0.00
73	T	Carbazole		0.944	0.875	7.3	90	0.00
74	T	Di-n-butylphthalate		1.124	1.070	4.8	90	0.00
75	TC	Fluoranthene		1.001	0.961	4.0#	92	0.00

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281602.d
Acq On : 28 Mar 2016 10:29 am
Operator : PAH17:ML
Sample : WG878844-7
Misc : WG878844,MSAI31
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 29 08:36:46 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:26:24 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
76	I	Chrysene-d12	1.000	1.000	0.0	94	0.01
77	T	Benzidine	0.832	0.000	100.0#	0#	-10.97#
78	M	Pyrene	1.244	1.213	2.5	93	0.00
79	S	Terphenyl-d14	0.683	0.678	0.7	94	0.00
80	T	Butylbenzylphthalate	0.618	0.593	4.0	88	0.00
81	T	3,3'-Dichlorobenzidine	0.357	0.000	100.0#	0#	-13.71#
82	T	Benz[a]anthracene	1.044	1.003	3.9	91	0.00
83	T	Chrysene	1.018	0.989	2.8	92	0.00
84	T	bis(2-Ethylhexyl)phthalate	0.821	0.790	3.8	88	0.00
85	I	Perylene-d12	1.000	1.000	0.0	96	0.00
86	TC	Di-n-octylphthalate	1.523	1.477	3.0#	88	0.00
87	T	Benzo[b]fluoranthene	1.056	1.014	4.0	94	0.00
88	T	Benzo[k]fluoranthene	1.002	0.996	0.6	94	0.00
89	TC	Benzo[a]pyrene	0.996	0.975	2.1#	93	0.00
90	T	Indeno[1,2,3-cd]pyrene	0.872	0.873	-0.1	96	0.00
91	T	Dibenz[a,h]anthracene	0.861	0.839	2.6	93	0.00
92	T	Benzo[g,h,i]perylene	0.886	0.885	0.1	95	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 13

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	1.05	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.74	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281602.d
Acq On : 28 Mar 2016 10:29 am
Operator : PAH17:ML
Sample : WG878844-7
Misc : WG878844,MSAI31
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 29 08:36:46 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:26:24 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.254	152	445585	5.000	ug/mL	0.00
21) Naphthalene-d8	5.400	136	1808964	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.085	164	889211	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.718	188	1666037	5.000	ug/mL	0.00
76) Chrysene-d12	13.687	240	1378308	5.000	ug/mL	0.00
85) Perylene-d12	16.817	264	1300528	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.204	112	1099737	9.889	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 49.44%			
8) Phenol-d5	3.941	99	1316422	9.457	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 47.29%			
22) Nitrobenzene-d5	4.745	82	1063895	9.788	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 48.94%			
43) 2-Fluorobiphenyl	6.440	172	1988634	9.692	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 48.46%			
65) 2,4,6-Tribromophenol	7.885	330	185966	11.269	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 56.34%			
79) Terphenyl-d14	11.472	244	1869075	9.932	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 49.66%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.294	74	585581	8.413	ug/mL#	69
3) Pyridine	2.289	79	1147136	8.975	ug/mL#	63
5) Benzaldehyde	0.000		0	N.D.		
6) Aniline	3.979	93	1545251	9.028	ug/ml#	1
7) bis(2-Chloroethyl)ether	4.032	63	724304	9.144	ug/mL#	80
9) Phenol	3.950	94	1397977	9.455	ug/mL	91
10) 2-Chlorophenol	4.076	128	1191304	9.785	ug/mL	92
11) 1,3-Dichlorobenzene	4.206	146	1204936	9.942	ug/mL	99
12) 1,4-Dichlorobenzene	4.268	146	1208210	9.951	ug/mL	99
13) 1,2-Dichlorobenzene	4.398	146	1140271	9.992	ug/mL	100
14) Benzyl alcohol	4.374	108	770945	9.580	ug/mL	94
15) bis(2-chloroisopropyl)eth	4.495	45	1358915	8.859	ug/mL#	88
16) 2-Methylphenol	4.471	108	965962	9.571	ug/mL	100
17) Acetophenone	0.000		0	N.D. d		
18) Hexachloroethane	4.692	117	499068	9.974	ug/mL	93
19) N-Nitroso-di-n-propylamin	4.620	70	724271	8.969	ug/mL#	76
20) 4-Methylphenol	4.610	108	1006294	9.337	ug/mL	100
23) Nitrobenzene	4.764	77	1115074	9.778	ug/mL	94

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281602.d
Acq On : 28 Mar 2016 10:29 am
Operator : PAH17:ML
Sample : WG878844-7
Misc : WG878844,MSAI31
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 29 08:36:46 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:26:24 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	4.986	82	1767425	9.406	ug/mL	99
25) 2-Nitrophenol	5.053	139	626590	10.944	ug/mL	94
26) 2,4-Dimethylphenol	5.097	107	945129	9.492	ug/mL	99
27) Benzoic acid	5.198	105	577753M4	9.542	ug/mL	
28) bis(2-Chloroethoxy)methan	5.188	93	1214036	9.197	ug/mL	98
29) 2,4-Dichlorophenol	5.270	162	890770	10.135	ug/mL	99
30) 1,2,4-Trichlorobenzene	5.352	180	930940	10.086	ug/mL	99
31) Naphthalene	5.424	128	3034572	9.681	ug/mL	99
32) 2-Chloroaniline	5.019	127	1594562	9.774	ug/ml	100
33) 4-Chloroaniline	5.477	127	1344739	9.618	ug/mL	100
34) Hexachlorobutadiene	5.540	225	460457	10.551	ug/mL	99
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	5.944	107	946041	9.710	ug/mL	99
37) 2-Methylnaphthalene	6.079	142	1992097	9.713	ug/mL	98
39) 1,2,4,5-Tetrachlorobenzen	6.243	216	756787	10.087	ug/mL	99
40) Hexachlorocyclopentadiene	6.233	237	252574	8.989	ug/mL	99
41) 2,4,6-Trichlorophenol	6.353	196	589737	10.017	ug/mL	99
42) 2,4,5-Trichlorophenol	6.387	196	604412	10.694	ug/mL	99
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	6.551	162	1908523	9.720	ug/mL	99
46) 2-Nitroaniline	6.657	65	552407	9.847	ug/mL	86
47) Acenaphthylene	6.950	152	3035485	9.576	ug/mL	100
48) Dimethylphthalate	6.844	163	2081967	9.576	ug/mL	99
49) 2,6-Dinitrotoluene	6.902	165	503983	10.619	ug/mL	96
50) Acenaphthene	7.119	153	1943610	9.552	ug/mL	98
51) 3-Nitroaniline	7.056	138	567672	10.238	ug/mL	99
52) 2,4-Dinitrophenol	7.162	184	265720	11.266	ug/mL#	88
53) Dibenzofuran	7.287	168	2345650	9.421	ug/mL	100
54) 2,3,4,6-Tetrachlorophenol	7.413	232	392002	11.208		99
55) 2,4-Dinitrotoluene	7.292	165	632813	11.074	ug/mL#	79
56) 4-Nitrophenol	7.230	109	273099	10.008	ug/mL	93
57) Fluorene	7.629	166	2048289	9.738	ug/mL	98
58) 4-Chlorophenyl-phenylethe	7.639	204	927573	10.026	ug/mL	98
59) Diethylphthalate	7.543	149	2134284	9.501	ug/mL	99
60) 4-Nitroaniline	7.663	138	611232M4	10.245	ug/mL	
62) 4,6-Dinitro-2-methylpheno	7.697	198	399802	10.507	ug/mL#	100
63) Azobenzene	7.808	182	636703	9.394	ug/mL	92
64) n-Nitrosodiphenylamine	7.764	169	1501018	9.302	ug/mL	99
66) 4-Bromophenyl-phenylether	8.174	248	496787	9.946	ug/mL	99
67) Hexachlorobenzene	8.231	284	488100	10.174	ug/mL	99
68) Atrazine	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281602.d
Acq On : 28 Mar 2016 10:29 am
Operator : PAH17:ML
Sample : WG878844-7
Misc : WG878844,MSAI31
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 29 08:36:46 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:26:24 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	8.482	266	337922	10.106	ug/mL	99
70) Pentachloronitrobenzene	8.496	237	208688	11.089	ug/ml	99
71) Phenanthrene	8.751	178	3094671	9.494	ug/mL	100
72) Anthracene	8.824	178	3170938	9.497	ug/mL	99
73) Carbazole	9.060	167	2915865	9.265	ug/mL	99
74) Di-n-butylphthalate	9.666	149	3564388	9.519	ug/mL	99
75) Fluoranthene	10.649	202	3200948	9.602	ug/mL	98
77) Benzidine	0.000		0	N.D.		
78) Pyrene	11.063	202	3342605	9.751	ug/mL	98
80) Butylbenzylphthalate	12.637	149	1636042	9.605	ug/mL	97
81) 3,3'-Dichlorobenzidine	0.000		0	N.D. d		
82) Benz[a]anthracene	13.668	228	2765646	9.607	ug/mL	100
83) Chrysene	13.745	228	2725424	9.710	ug/mL	99
84) bis(2-Ethylhexyl)phthalat	14.101	149	2178155	9.629	ug/mL	96
86) Di-n-octylphthalate	15.642	149	3842774	9.699	ug/mL	100
87) Benzo[b]fluoranthene	16.075	252	2636951	9.602	ug/mL	99
88) Benzo[k]fluoranthene	16.138	252	2591293	9.947	ug/mL	99
89) Benzo[a]pyrene	16.716	252	2537324	9.794	ug/mL	100
90) Indeno[1,2,3-cd]pyrene	18.666	276	2271865	10.019	ug/mL	99
91) Dibenz[a,h]anthracene	18.724	278	2181954	9.744	ug/mL	98
92) Benzo[g,h,i]perylene	19.056	276	2301281	9.988	ug/mL	99

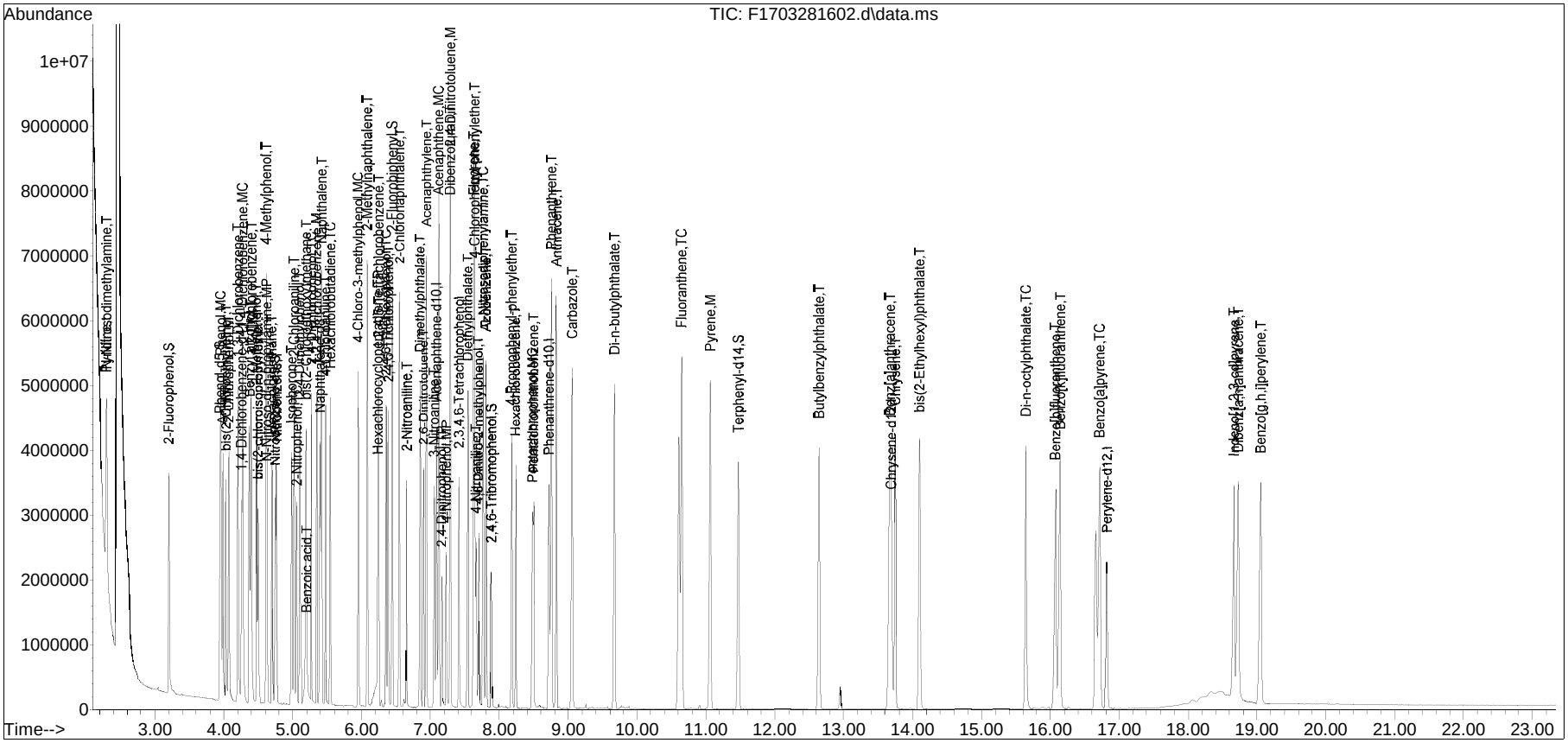
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281602.d
Acq On : 28 Mar 2016 10:29 am
Operator : PAH17:ML
Sample : WG878844-7
Misc : WG878844,MSAI31
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 29 08:36:46 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:26:24 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281603.d
Acq On : 28 Mar 2016 10:58 am
Operator : PAH17:ML
Sample : WG878844-8
Misc : WG878844,MSAI22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 29 08:58:14 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	82	0.00
2	T	N-Nitrosodimethylamine	0.781	0.000	100.0#	0#	-2.29#
3	t	Pyridine	1.434	0.000	100.0#	0#	-2.29#
4	S	2-Fluorophenol	1.248	0.000	100.0#	0#	-3.20#
5	T	Benzaldehyde	1.040	1.003	3.6	79	0.00
6	T	Aniline	1.921	0.000	100.0#	0#	-3.98#
7	T	bis(2-Chloroethyl)ether	0.889	0.000	100.0#	0#	-4.03#
8	S	Phenol-d5	1.562	0.000	100.0#	0#	-3.94#
9	MC	Phenol	1.659	0.000	100.0#	0#	-3.95#
10	M	2-Chlorophenol	1.366	0.000	100.0#	0#	-4.08#
11	T	1,3-Dichlorobenzene	1.360	0.000	100.0#	0#	-4.21#
12	MC	1,4-Dichlorobenzene	1.362	0.000	100.0#	0#	-4.27#
13	T	1,2-Dichlorobenzene	1.280	0.000	100.0#	0#	-4.40#
14	T	Benzyl alcohol	0.903	0.000	100.0#	0#	-4.37#
15	T	bis(2-chloroisopropyl)ether	1.721	0.000	100.0#	0#	-4.49#
16	T	2-Methylphenol	1.133	0.000	100.0#	0#	-4.47#
17	T	Acetophenone	1.748	1.633	6.6	76	0.00
18	T	Hexachloroethane	0.561	0.000	100.0#	0#	-4.69#
19	MP	N-Nitroso-di-n-propylamine	0.906	0.000	100.0#	0#	-4.62#
20	T	4-Methylphenol	1.209	0.000	100.0#	0#	-4.61#
21	I	Naphthalene-d8	1.000	1.000	0.0	78	0.00
22	S	Nitrobenzene-d5	0.300	0.000	100.0#	0#	-4.75#
23	T	Nitrobenzene	0.315	0.000	100.0#	0#	-4.76#
24	T	Isophorone	0.519	0.000	100.0#	0#	-4.99#
25	TC	2-Nitrophenol	0.158	0.000	100.0#	0#	-5.05#
26	T	2,4-Dimethylphenol	0.275	0.000	100.0#	0#	-5.10#
27	T	Benzoic acid	* 10.000	0.000	100.0#	0	-5.20#
28	T	bis(2-Chloroethoxy)methane	0.365	0.000	100.0#	0#	-5.19#
29	TC	2,4-Dichlorophenol	0.243	0.000	100.0#	0#	-5.27#
30	M	1,2,4-Trichlorobenzene	0.255	0.000	100.0#	0#	-5.35#
31	T	Naphthalene	0.866	0.000	100.0#	0#	-5.42#
32	T	2-Chloroaniline	0.451	0.000	100.0#	0#	-5.02#
33	T	4-Chloroaniline	0.386	0.000	100.0#	0#	-5.48#
34	TC	Hexachlorobutadiene	0.121	0.000	100.0#	0#	-5.54#
35	T	Caprolactam	0.104	0.096	7.7	68	0.00
36	MC	4-Chloro-3-methylphenol	0.269	0.000	100.0#	0#	-5.94#
37	T	2-Methylnaphthalene	0.567	0.000	100.0#	0#	-6.08#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281603.d
Acq On : 28 Mar 2016 10:58 am
Operator : PAH17:ML
Sample : WG878844-8
Misc : WG878844,MSAI22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 29 08:58:14 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
38	I	Acenaphthene-d10		1.000	1.000	0.0	78	0.00
39	T	1,2,4,5-Tetrachlorobenzene		0.422	0.000	100.0#	0#	-6.24#
40	TP	Hexachlorocyclopentadiene	*	10.000	0.000	100.0#	0	-6.23#
41	TC	2,4,6-Trichlorophenol		0.331	0.000	100.0#	0#	-6.35#
42	T	2,4,5-Trichlorophenol		0.318	0.000	100.0#	0#	-6.39#
43	S	2-Fluorobiphenyl		1.154	0.000	100.0#	0#	-6.44#
44	T	Biphenyl		1.442	1.376	4.6	77	0.00
45	T	2-Chloronaphthalene		1.104	0.000	100.0#	0#	-6.55#
46	T	2-Nitroaniline		0.315	0.000	100.0#	0#	-6.66#
47	T	Acenaphthylene		1.782	0.000	100.0#	0#	-6.95#
48	T	Dimethylphthalate		1.222	0.000	100.0#	0#	-6.84#
49	T	2,6-Dinitrotoluene		0.267	0.000	100.0#	0#	-6.90#
50	MC	Acenaphthene		1.144	0.000	100.0#	0#	-7.12#
51	T	3-Nitroaniline		0.312	0.000	100.0#	0#	-7.06#
52	TP	2,4-Dinitrophenol	*	10.000	0.000	100.0#	0	-7.16#
53	T	Dibenzofuran		1.400	0.000	100.0#	0#	-7.29#
54		2,3,4,6-Tetrachlorophenol		0.197	0.000	100.0#	0#	-7.41#
55	M	2,4-Dinitrotoluene		0.321	0.000	100.0#	0#	-7.29#
56	MP	4-Nitrophenol		0.153	0.000	100.0#	0#	-7.23#
57	T	Fluorene		1.183	0.000	100.0#	0#	-7.63#
58	T	4-Chlorophenyl-phenylether		0.520	0.000	100.0#	0#	-7.64#
59	T	Diethylphthalate		1.263	0.000	100.0#	0#	-7.54#
60	T	4-Nitroaniline		0.335	0.000	100.0#	0#	-7.66#
61	I	Phenanthrene-d10		1.000	1.000	0.0	79	0.00
62	T	4,6-Dinitro-2-methylphenol	*	10.000	0.000	100.0#	0	-7.70#
63	T	Azobenzene		0.203	0.000	100.0#	0#	-7.81#
64	TC	n-Nitrosodiphenylamine		0.484	0.000	100.0#	0#	-7.76#
65	S	2,4,6-Tribromophenol		0.050	0.000	100.0#	0#	-7.88#
66	T	4-Bromophenyl-phenylether		0.150	0.000	100.0#	0#	-8.17#
67	T	Hexachlorobenzene		0.144	0.000	100.0#	0#	-8.23#
68	T	Atrazine		0.184	0.175	4.9	73	0.00
69	MC	Pentachlorophenol	*	10.000	0.000	100.0#	0	-8.48#
70	T	Pentachloronitrobenzene		0.056	0.000	100.0#	0#	-8.50#
71	T	Phenanthrene		0.978	0.000	100.0#	0#	-8.75#
72	T	Anthracene		1.002	0.000	100.0#	0#	-8.82#
73	T	Carbazole		0.944	0.000	100.0#	0#	-9.06#
74	T	Di-n-butylphthalate		1.124	0.000	100.0#	0#	-9.67#
75	TC	Fluoranthene		1.001	0.000	100.0#	0#	-10.65#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281603.d
Acq On : 28 Mar 2016 10:58 am
Operator : PAH17:ML
Sample : WG878844-8
Misc : WG878844,MSAI22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 29 08:58:14 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
76	I	Chrysene-d12	1.000	1.000	0.0	74	0.00
77	T	Benzidine	0.832	0.751	9.7	58	0.00
78	M	Pyrene	1.244	0.000	100.0#	0#	-11.06#
79	S	Terphenyl-d14	0.683	0.000	100.0#	0#	-11.47#
80	T	Butylbenzylphthalate	0.618	0.000	100.0#	0#	-12.64#
81	T	3,3'-Dichlorobenzidine	0.357	0.327	8.4	62	0.00
82	T	Benz[a]anthracene	1.044	0.000	100.0#	0#	-13.67#
83	T	Chrysene	1.018	0.000	100.0#	0#	-13.74#
84	T	bis(2-Ethylhexyl)phthalate	0.821	0.000	100.0#	0#	-14.10#
85	I	Perylene-d12	1.000	1.000	0.0	72	0.00
86	TC	Di-n-octylphthalate	1.523	0.000	100.0#	0#	-15.64#
87	T	Benzo[b]fluoranthene	1.056	0.000	100.0#	0#	-16.08#
88	T	Benzo[k]fluoranthene	1.002	0.000	100.0#	0#	-16.14#
89	TC	Benzo[a]pyrene	0.996	0.000	100.0#	0#	-16.72#
90	T	Indeno[1,2,3-cd]pyrene	0.872	0.000	100.0#	0#	-18.67#
91	T	Dibenz[a,h]anthracene	0.861	0.000	100.0#	0#	-18.72#
92	T	Benzo[g,h,i]perylene	0.886	0.000	100.0#	0#	-19.06#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 13

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281603.d
Acq On : 28 Mar 2016 10:58 am
Operator : PAH17:ML
Sample : WG878844-8
Misc : WG878844,MSAI22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 29 08:58:14 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.249	152	397369	5.000	ug/mL	0.00
21) Naphthalene-d8	5.400	136	1566900	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.085	164	753712	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.718	188	1389299	5.000	ug/mL	0.00
76) Chrysene-d12	13.673	240	1077106	5.000	ug/mL	0.00
85) Perylene-d12	16.807	264	979034	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D. d		
5) Benzaldehyde	3.893	77	797467	9.648	ug/ml	98
6) Aniline	0.000		0	N.D. d		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D. d		
10) 2-Chlorophenol	0.000		0	N.D. d		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D. d		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D. d		
17) Acetophenone	4.610	105	1297777	9.340	ug/ml	98
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D. d		
20) 4-Methylphenol	0.000		0	N.D. d		
23) Nitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281603.d
Acq On : 28 Mar 2016 10:58 am
Operator : PAH17:ML
Sample : WG878844-8
Misc : WG878844,MSAI22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 29 08:58:14 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.	d	
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.	d	
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.	d	
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	5.790	113	301554	9.229	ug/ml	99
36) 4-Chloro-3-methylphenol	0.000		0	N.D.	d	
37) 2-Methylnaphthalene	0.000		0	N.D.	d	
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.	d	
42) 2,4,5-Trichlorophenol	0.000		0	N.D.	d	
44) Biphenyl	6.536	154	2073828	9.540	ug/ml	99
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.	d	
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D.	d	
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.	d	
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.	d	
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	8.400	200	487192	9.519	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281603.d
Acq On : 28 Mar 2016 10:58 am
Operator : PAH17:ML
Sample : WG878844-8
Misc : WG878844,MSAI22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 29 08:58:14 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.	d	
72) Anthracene	0.000		0	N.D.	d	
73) Carbazole	0.000		0	N.D.	d	
74) Di-n-butylphthalate	0.000		0	N.D.	d	
75) Fluoranthene	0.000		0	N.D.	d	
77) Benzidine	10.966	184	1617022	9.018	ug/mL	99
78) Pyrene	0.000		0	N.D.	d	
80) Butylbenzylphthalate	0.000		0	N.D.	d	
81) 3,3'-Dichlorobenzidine	13.711	252	704003	9.160	ug/mL	99
82) Benz[a]anthracene	0.000		0	N.D.	d	
83) Chrysene	0.000		0	N.D.	d	
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.	d	
86) Di-n-octylphthalate	0.000		0	N.D.	d	
87) Benzo[b]fluoranthene	0.000		0	N.D.	d	
88) Benzo[k]fluoranthene	0.000		0	N.D.	d	
89) Benzo[a]pyrene	0.000		0	N.D.	d	
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
91) Dibenz[a,h]anthracene	0.000		0	N.D.	d	
92) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

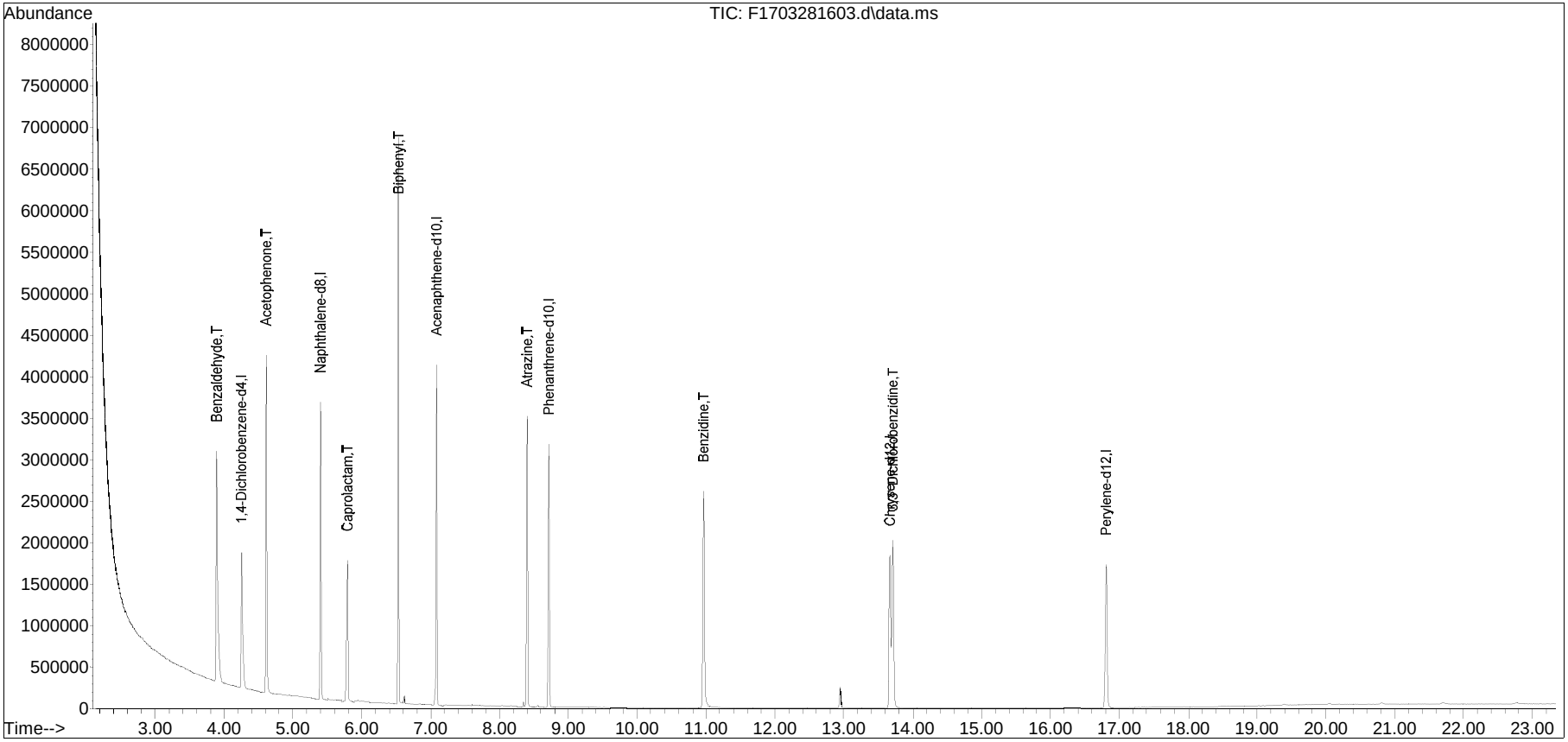
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281603.d
Acq On : 28 Mar 2016 10:58 am
Operator : PAH17:ML
Sample : WG878844-8
Misc : WG878844,MSAI22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 29 08:58:14 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281608.d
Acq On : 28 Mar 2016 3:30 pm
Operator : PAH17:ML
Sample : L1607846-02
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 29 16:48:23 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.254	152	345274	5.000	ug/mL	0.00
21) Naphthalene-d8	5.400	136	1338385	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.085	164	634319	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.717	188	1103386	5.000	ug/mL	0.00
76) Chrysene-d12	13.672	240	760990	5.000	ug/mL	0.00
85) Perylene-d12	16.807	264	738355	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.189	112	672874	7.809	ug/mL	-0.01
Spiked Amount 20.000	Range 21 - 100		Recovery = 39.05%			
8) Phenol-d5	3.941	99	572973	5.312	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 26.56%			
22) Nitrobenzene-d5	4.745	82	1181534	14.692	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 73.46%			
43) 2-Fluorobiphenyl	6.440	172	2294207	15.675	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 78.38%			
65) 2,4,6-Tribromophenol	7.880	330	238816	21.851	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 109.26%			
79) Terphenyl-d14	11.472	244	2168794	20.874	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 104.37%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.	d	
5) Benzaldehyde	0.000		0	N.D.		
6) Aniline	0.000		0	N.D.	d	
7) bis(2-Chloroethyl)ether	0.000		0	N.D.	d	
9) Phenol	0.000		0	N.D.	d	
10) 2-Chlorophenol	0.000		0	N.D.	d	
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.	d	
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D.	d	
17) Acetophenone	4.615	105	4951	0.041	ug/ml#	88
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.	d	

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281608.d
Acq On : 28 Mar 2016 3:30 pm
Operator : PAH17:ML
Sample : L1607846-02
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 29 16:48:23 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.	d	
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.	d	
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.	d	
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	7.533	149	2698	0.017	ug/mL	98
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.	d	
63) Azobenzene	0.000		0	N.D.	d	
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.	d	
74) Di-n-butylphthalate	0.000		0	N.D.	d	
77) Benzidine	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281608.d
Acq On : 28 Mar 2016 3:30 pm
Operator : PAH17:ML
Sample : L1607846-02
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 29 16:48:23 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Butylbenzylphthalate	12.632	149	2492	0.026	ug/mL#	41
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.091	149	5395	0.043	ug/mL#	78
86) Di-n-octylphthalate	0.000		0	N.D. d		

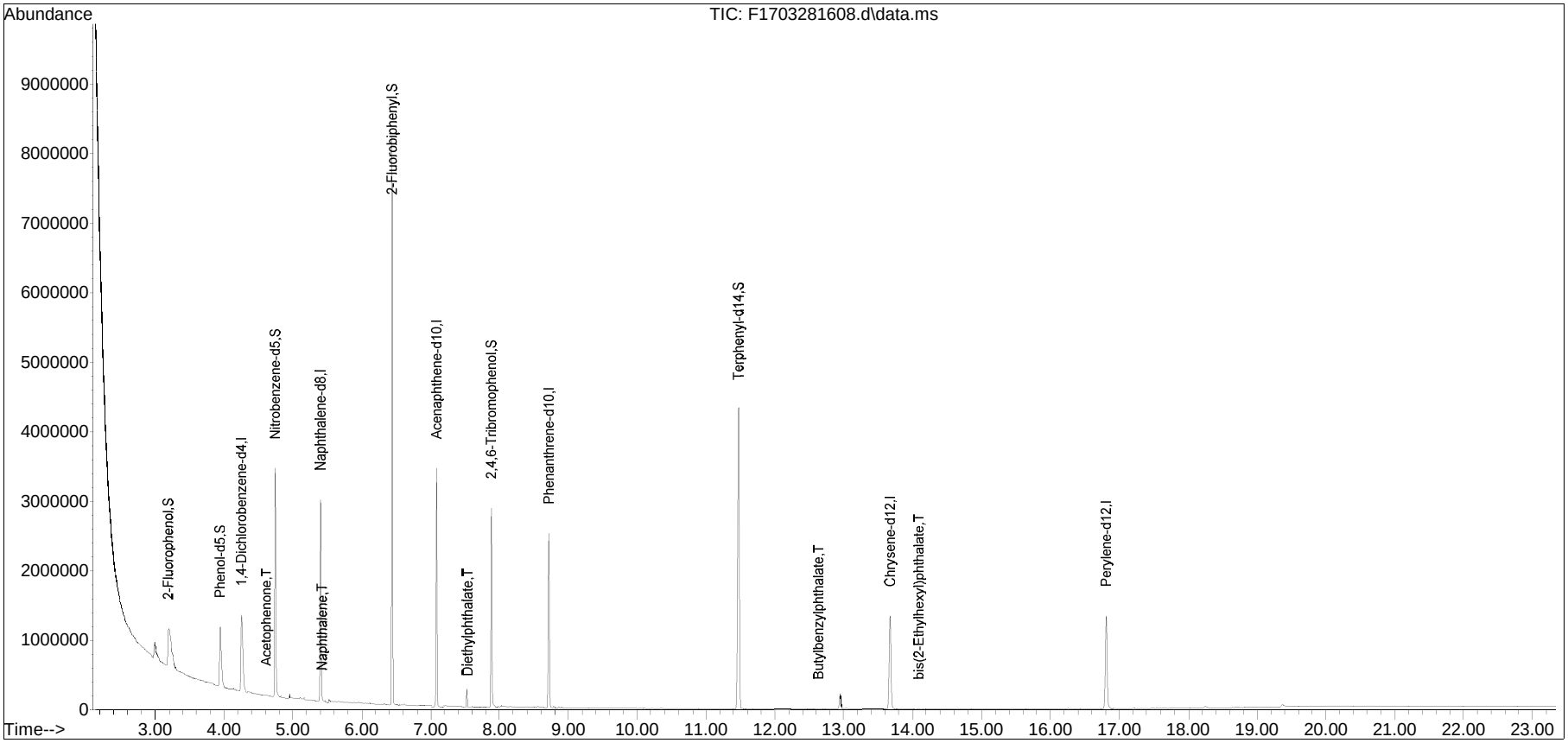
(#) = qualifier out of range (m) = manual integration (+) = signals summed

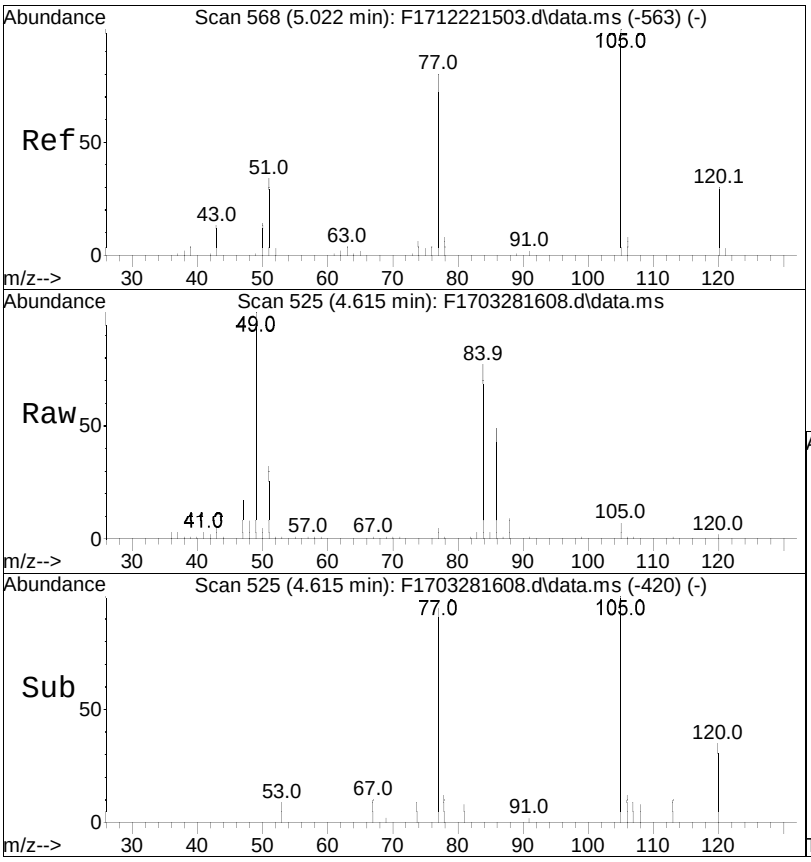
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281608.d
Acq On : 28 Mar 2016 3:30 pm
Operator : PAH17:ML
Sample : L1607846-02
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 29 16:48:23 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

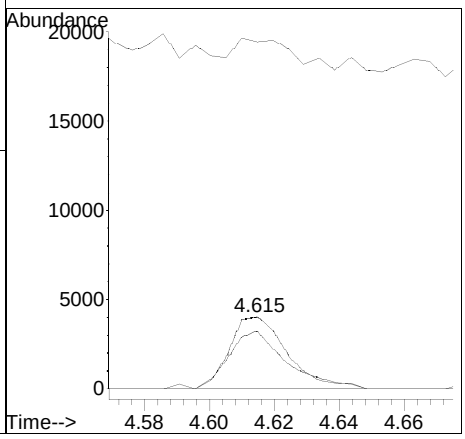


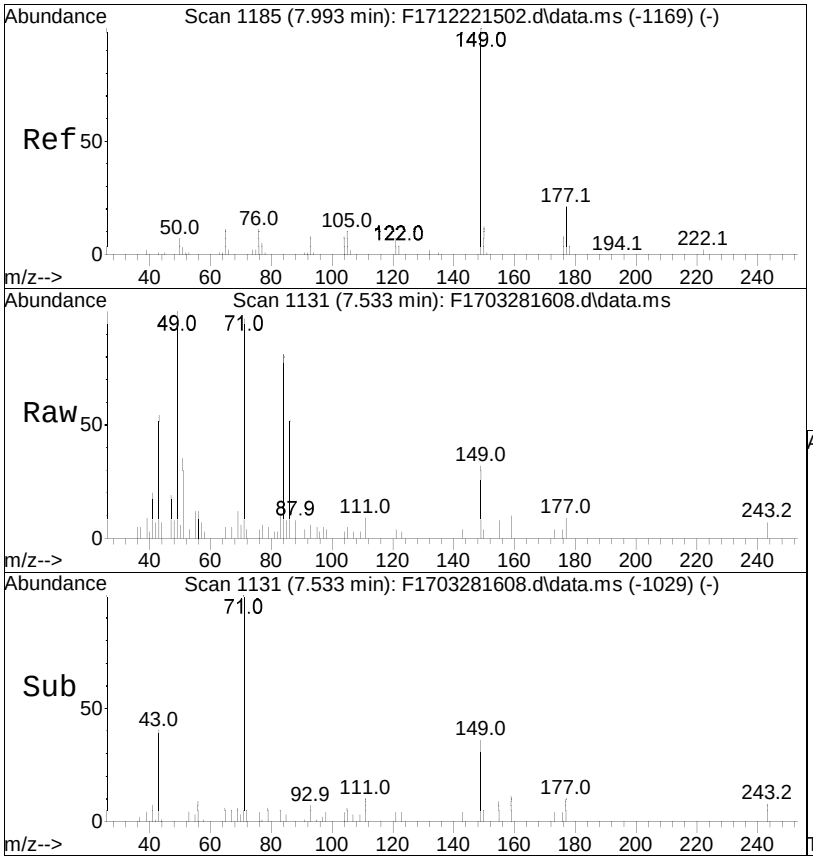


#17
Acetophenone
Concen: 0.04 ug/ml
RT: 4.615 min Scan# 525
Delta R.T. 0.005 min
Lab File: F1703281608.d
Acq: 28 Mar 2016 3:30 pm

Tgt Ion:105 Resp: 4951

Ion	Ratio	Lower	Upper
105	100		
77	80.9	61.0	91.6
51	42.3	20.3	30.5#

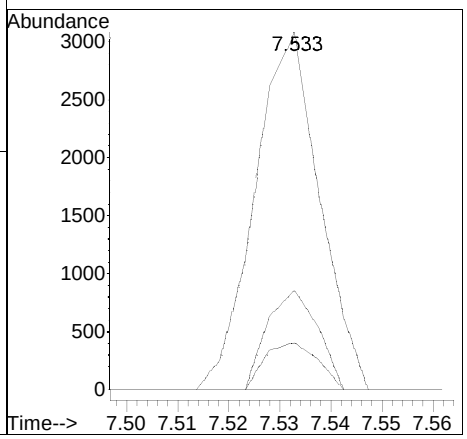


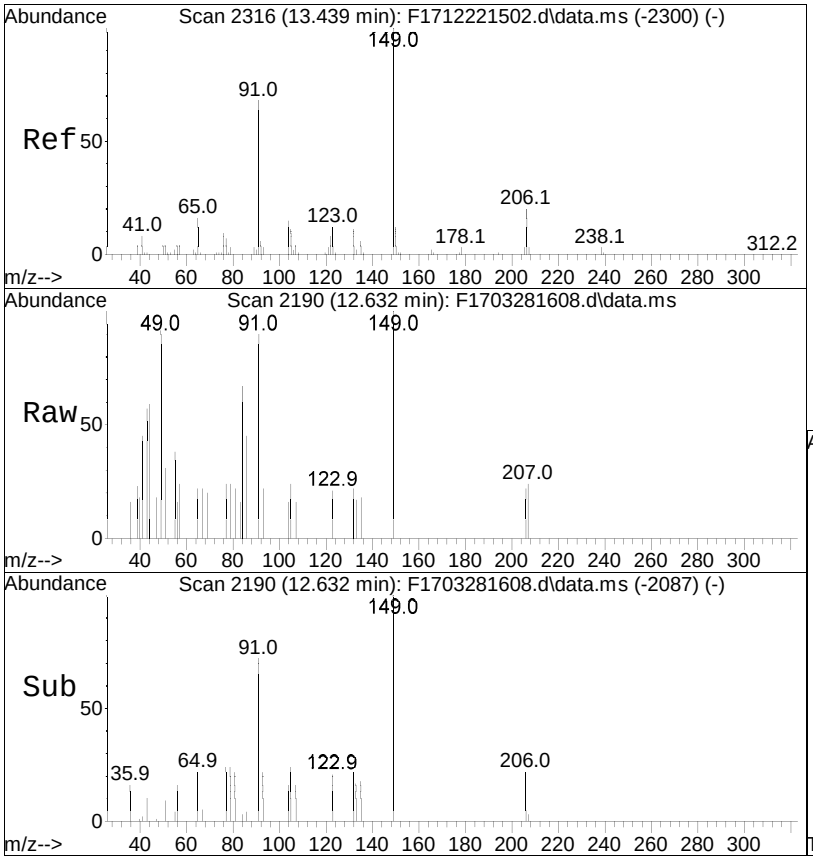


#59
Diethylphthalate
Concen: 0.02 ug/mL
RT: 7.533 min Scan# 1131
Delta R.T. -0.010 min
Lab File: F1703281608.d
Acq: 28 Mar 2016 3:30 pm

Tgt Ion:149 Resp: 2698

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.8	26.8
150	10.8	9.8	14.6

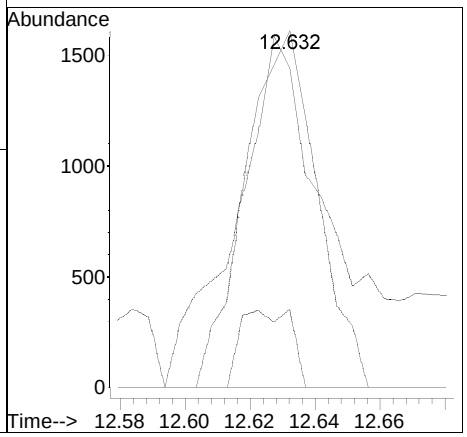


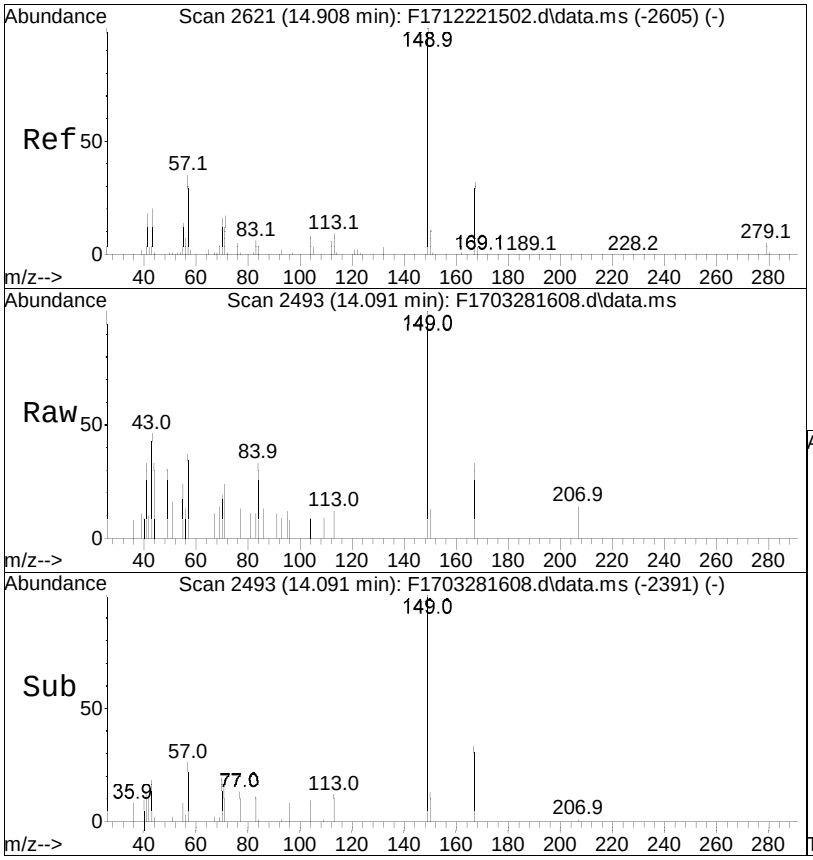


#80
Butylbenzylphthalate
Concen: 0.03 ug/mL
RT: 12.632 min Scan# 2190
Delta R.T. -0.005 min
Lab File: F1703281608.d
Acq: 28 Mar 2016 3:30 pm

Tgt Ion:149 Resp: 2492

Ion	Ratio	Lower	Upper
149	100		
91	128.1	58.2	87.4#
206	4.1	17.7	26.5#

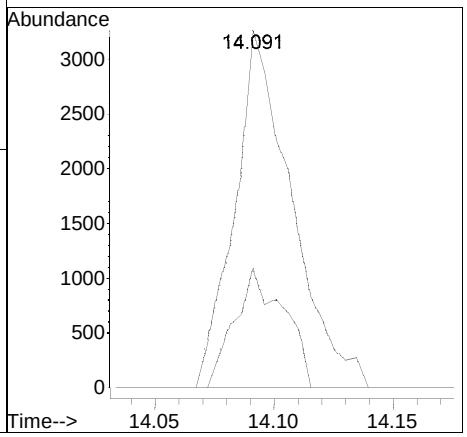




#84
bis(2-Ethylhexyl)phthalate
Concen: 0.04 ug/mL
RT: 14.091 min Scan# 2493
Delta R.T. -0.010 min
Lab File: F1703281608.d
Acq: 28 Mar 2016 3:30 pm

Tgt Ion:149 Resp: 5395

Ion	Ratio	Lower	Upper
149	100		
167	18.1	24.3	36.5#
279	0.0	4.2	6.2#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281610.d
Acq On : 28 Mar 2016 4:28 pm
Operator : PAH17:ML
Sample : L1607846-04
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 30 15:53:13 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.254	152	348799	5.000	ug/mL	0.00
21) Naphthalene-d8	5.400	136	1364801	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.085	164	654486	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.718	188	1137391	5.000	ug/mL	0.00
76) Chrysene-d12	13.672	240	901132	5.000	ug/mL	0.00
85) Perylene-d12	16.812	264	816246	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.194	112	652602	7.497	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 37.48%			
8) Phenol-d5	3.936	99	566163	5.196	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 25.98%			
22) Nitrobenzene-d5	4.745	82	1222836	14.912	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 74.56%			
43) 2-Fluorobiphenyl	6.440	172	2412894	15.978	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 79.89%			
65) 2,4,6-Tribromophenol	7.880	330	238123	21.136	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 105.68%			
79) Terphenyl-d14	11.477	244	2375104	19.304	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 96.52%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.	d	
5) Benzaldehyde	0.000		0	N.D.		
6) Aniline	0.000		0	N.D.	d	
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.	d	
10) 2-Chlorophenol	0.000		0	N.D.	d	
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.	d	
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D.	d	
17) Acetophenone	4.610	105	4401	0.036	ug/ml#	89
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.	d	

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281610.d
Acq On : 28 Mar 2016 4:28 pm
Operator : PAH17:ML
Sample : L1607846-04
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 30 15:53:13 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	0.000		0	N.D.		
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.	d	
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.	d	
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.	d	
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.	d	
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.	d	
77) Benzidine	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281610.d
Acq On : 28 Mar 2016 4:28 pm
Operator : PAH17:ML
Sample : L1607846-04
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 30 15:53:13 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Butylbenzylphthalate	12.632	149	4154	0.037	ug/mL#	97
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.096	149	33799	0.229	ug/mL	97
86) Di-n-octylphthalate	0.000		0	N.D.	d	

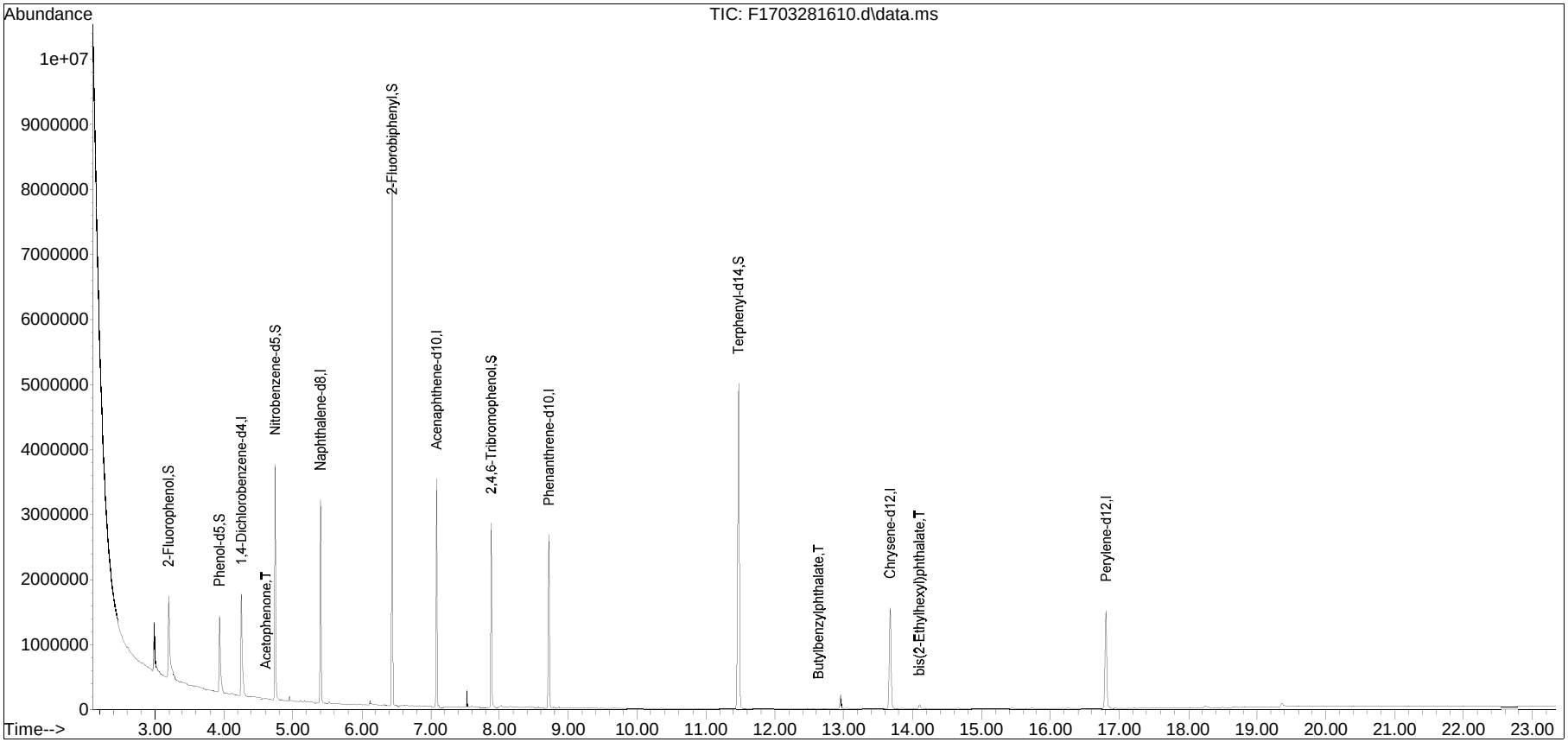
(#) = qualifier out of range (m) = manual integration (+) = signals summed

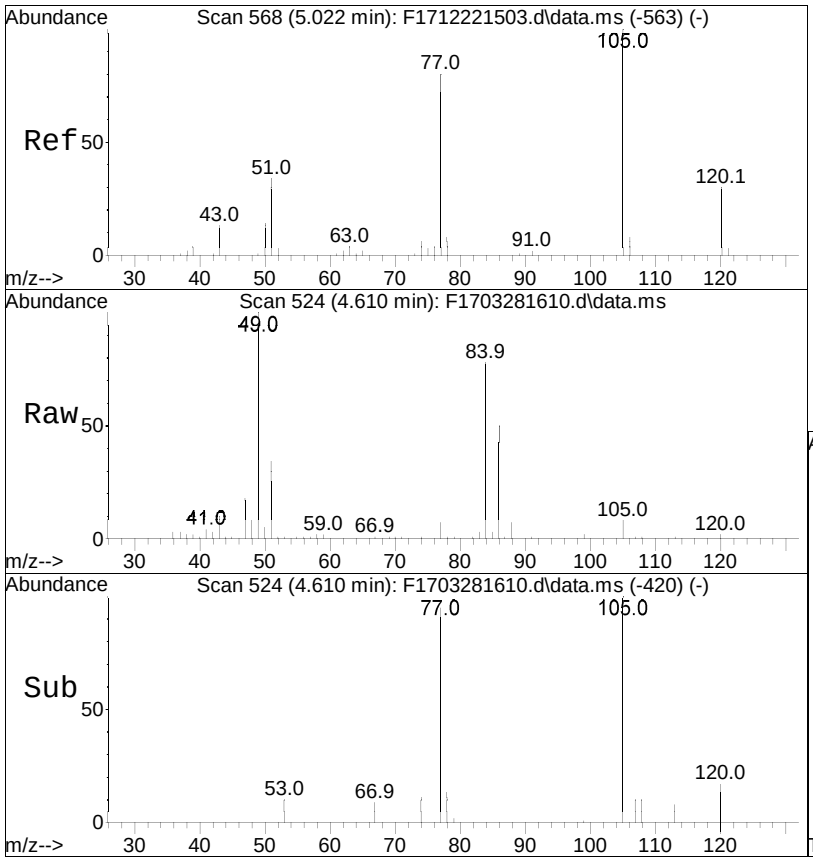
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281610.d
Acq On : 28 Mar 2016 4:28 pm
Operator : PAH17:ML
Sample : L1607846-04
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 30 15:53:13 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

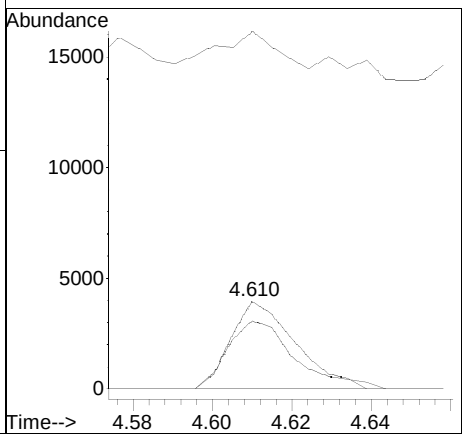


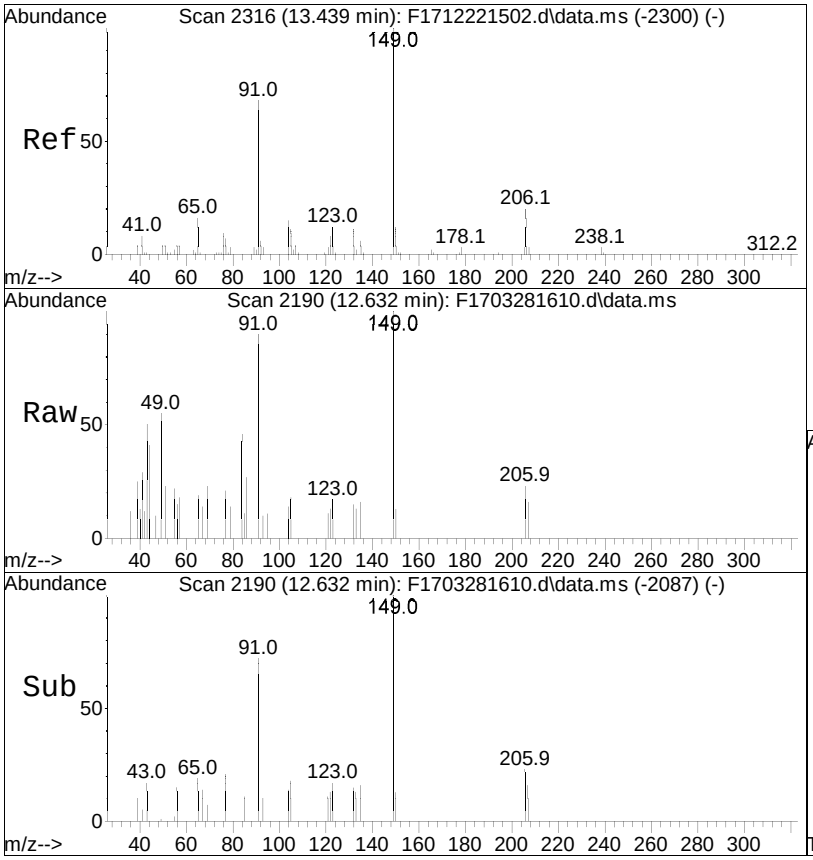


#17
Acetophenone
Concen: 0.04 ug/ml
RT: 4.610 min Scan# 524
Delta R.T. -0.000 min
Lab File: F1703281610.d
Acq: 28 Mar 2016 4:28 pm

Tgt Ion:105 Resp: 4401

Ion	Ratio	Lower	Upper
105	100		
77	81.7	61.0	91.6
51	38.0	20.3	30.5#

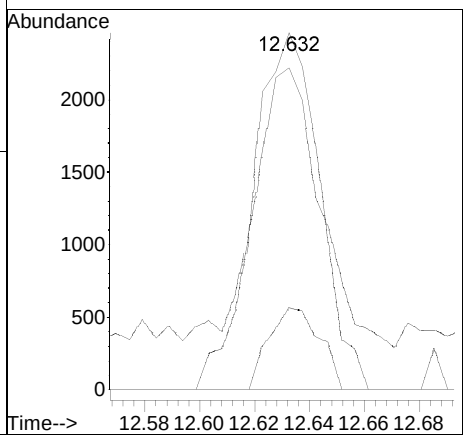


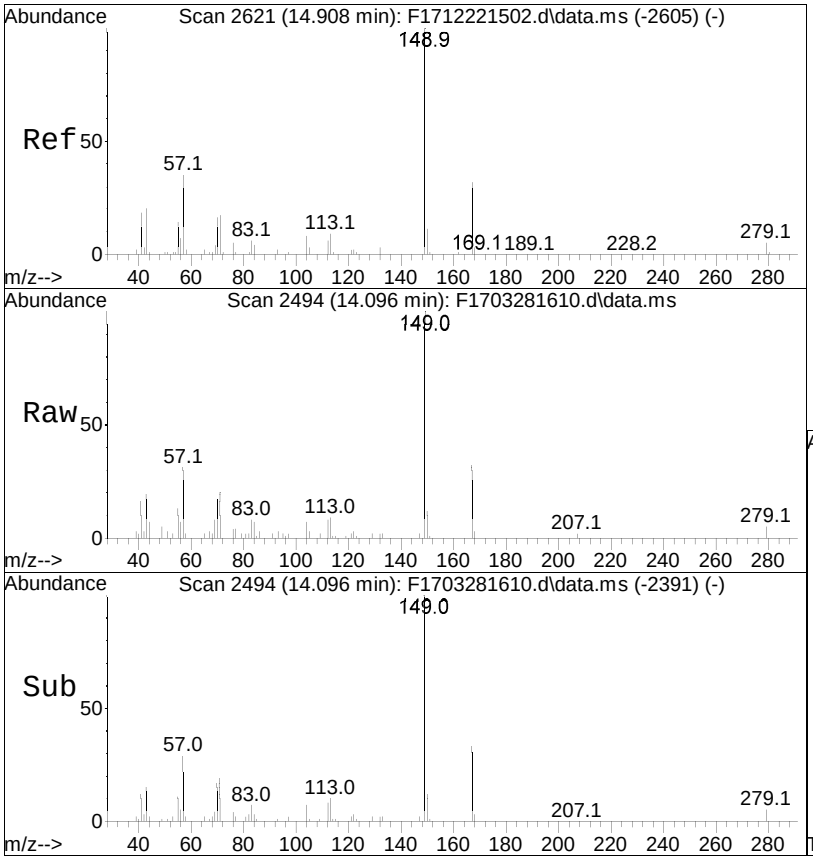


#80
Butylbenzylphthalate
Concen: 0.04 ug/mL
RT: 12.632 min Scan# 2190
Delta R.T. -0.005 min
Lab File: F1703281610.d
Acq: 28 Mar 2016 4:28 pm

Tgt Ion:149 Resp: 4154

Ion	Ratio	Lower	Upper
149	100		
91	74.0	58.2	87.4
206	17.5	17.7	26.5#

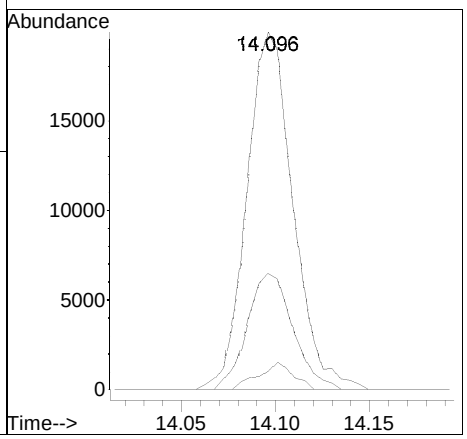




#84
bis(2-Ethylhexyl)phthalate
Concen: 0.23 ug/mL
RT: 14.096 min Scan# 2494
Delta R.T. -0.005 min
Lab File: F1703281610.d
Acq: 28 Mar 2016 4:28 pm

Tgt Ion:149 Resp: 33799

Ion	Ratio	Lower	Upper
149	100		
167	32.3	24.3	36.5
279	5.7	4.2	6.2



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281611.d
Acq On : 28 Mar 2016 4:58 pm
Operator : PAH17:ML
Sample : L1607846-05
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 30 16:09:48 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.254	152	461369	5.000	ug/mL	0.00
21) Naphthalene-d8	5.400	136	1839027	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.085	164	889255	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.717	188	1643036	5.000	ug/mL	0.00
76) Chrysene-d12	13.677	240	1410210	5.000	ug/mL	0.00
85) Perylene-d12	16.812	264	1291641	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.209	112	994285	8.635	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 43.17%			
8) Phenol-d5	3.936	99	869700	6.034	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 30.17%			
22) Nitrobenzene-d5	4.745	82	1721650	15.581	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 77.91%			
43) 2-Fluorobiphenyl	6.440	172	3285885	16.014	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 80.07%			
65) 2,4,6-Tribromophenol	7.884	330	365256	22.443	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 112.22%			
79) Terphenyl-d14	11.481	244	3712474	19.281	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 96.41%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.	d	
5) Benzaldehyde	0.000		0	N.D.		
6) Aniline	0.000		0	N.D.	d	
7) bis(2-Chloroethyl)ether	0.000		0	N.D.	d	
9) Phenol	0.000		0	N.D.	d	
10) 2-Chlorophenol	0.000		0	N.D.	d	
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.	d	
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D.	d	
17) Acetophenone	4.610	105	5281	0.033	ug/ml	93
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281611.d
Acq On : 28 Mar 2016 4:58 pm
Operator : PAH17:ML
Sample : L1607846-05
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 30 16:09:48 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	0.000		0	N.D.		d
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.		d
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		d
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		d
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	0.000		0	N.D.		d
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.		d
45) 2-Chloronaphthalene	0.000		0	N.D.		d
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		d
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		d
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		d
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.		d
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		d
63) Azobenzene	0.000		0	N.D.		d
64) n-Nitrosodiphenylamine	0.000		0	N.D.		d
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		d
74) Di-n-butylphthalate	0.000		0	N.D.		d
77) Benzidine	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281611.d
Acq On : 28 Mar 2016 4:58 pm
Operator : PAH17:ML
Sample : L1607846-05
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 30 16:09:48 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Butylbenzylphthalate	12.632	149	8893	0.051	ug/mL	91
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.096	149	13573	0.059	ug/mL	97
86) Di-n-octylphthalate	0.000		0	N.D. d		

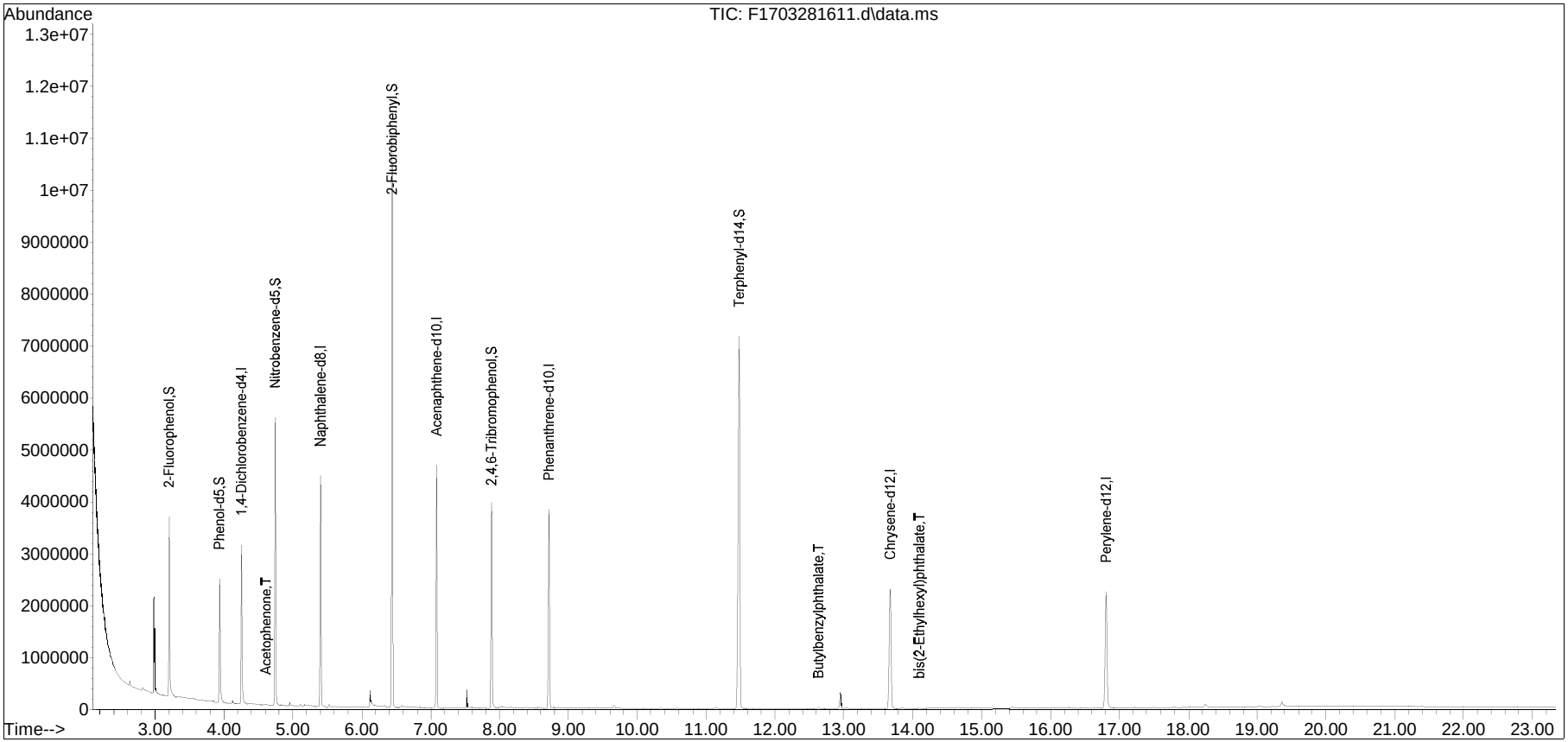
(#) = qualifier out of range (m) = manual integration (+) = signals summed

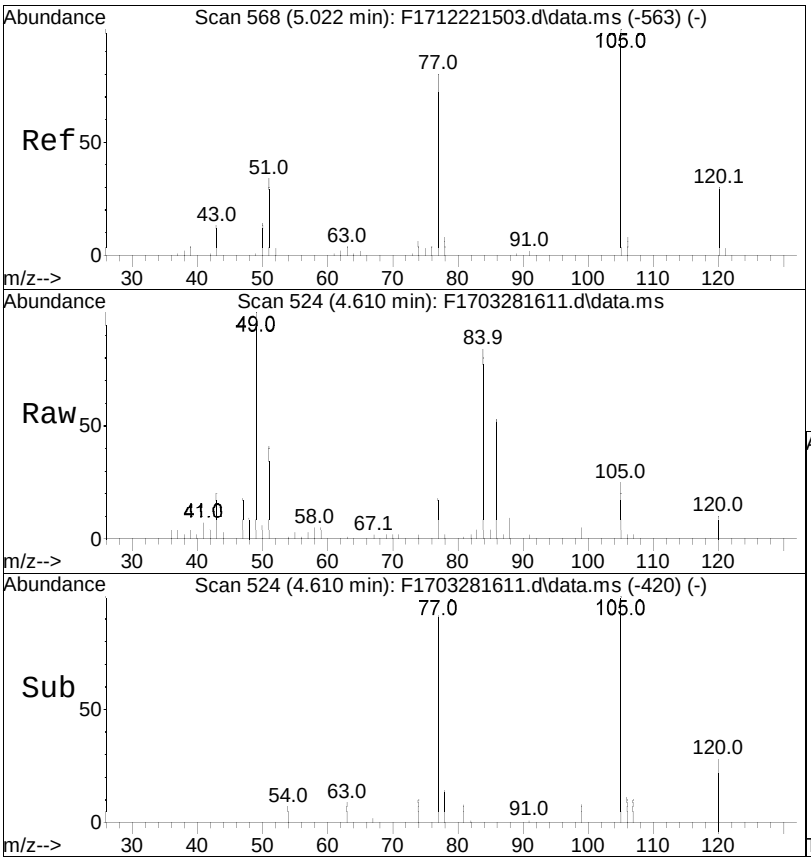
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281611.d
Acq On : 28 Mar 2016 4:58 pm
Operator : PAH17:ML
Sample : L1607846-05
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 30 16:09:48 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

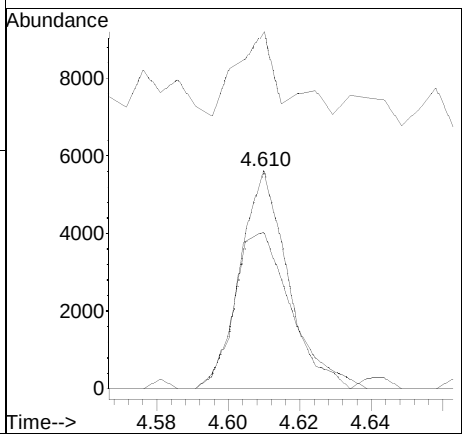


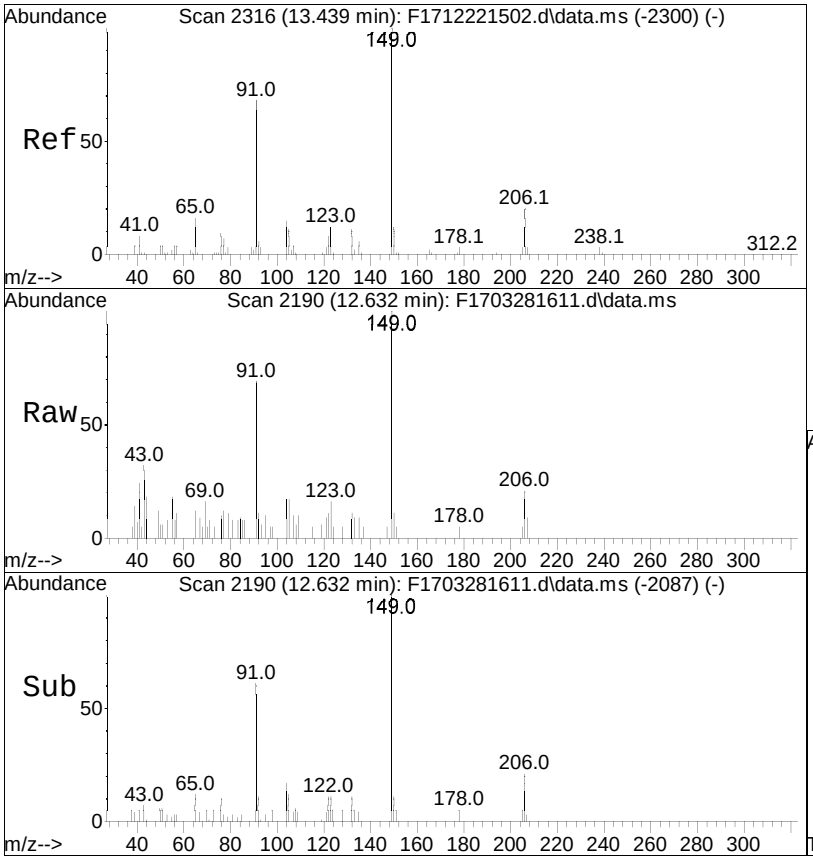


#17
Acetophenone
Concen: 0.03 ug/ml
RT: 4.610 min Scan# 524
Delta R.T. -0.000 min
Lab File: F1703281611.d
Acq: 28 Mar 2016 4:58 pm

Tgt Ion:105 Resp: 5281

Ion	Ratio	Lower	Upper
105	100		
77	82.4	61.0	91.6
51	28.5	20.3	30.5

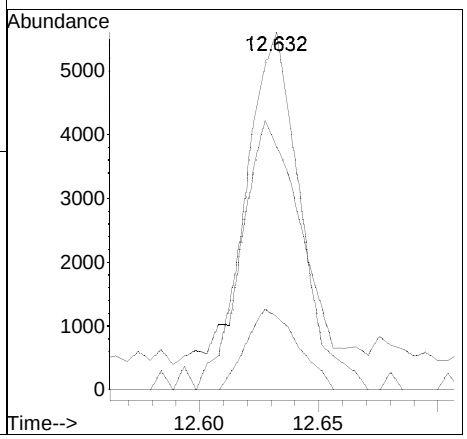


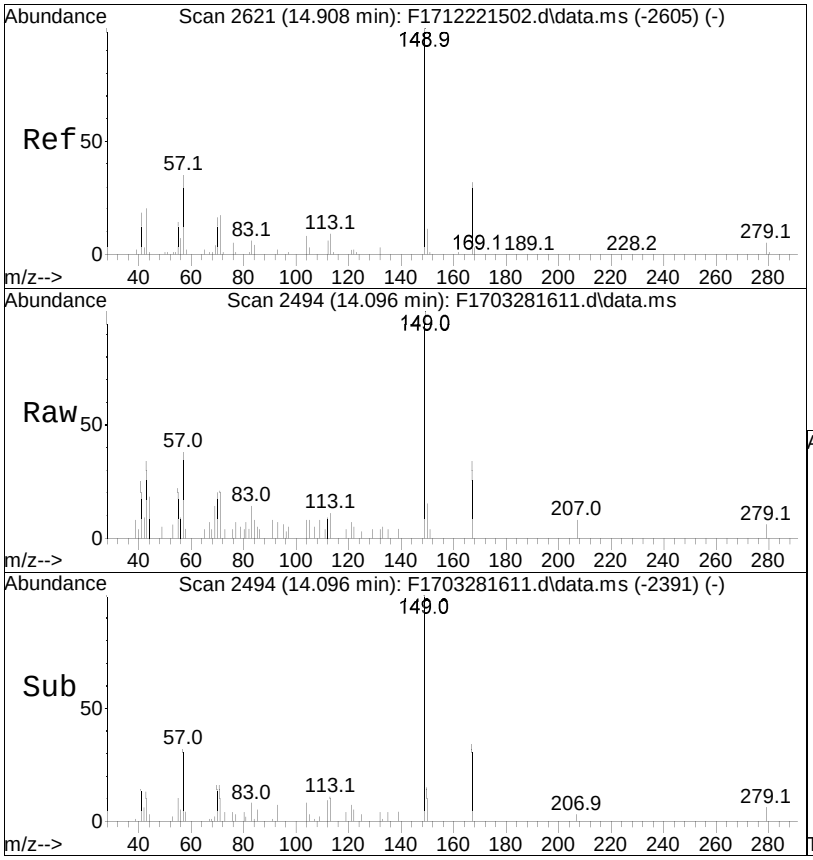


#80
Butylbenzylphthalate
Concen: 0.05 ug/mL
RT: 12.632 min Scan# 2190
Delta R.T. -0.005 min
Lab File: F1703281611.d
Acq: 28 Mar 2016 4:58 pm

Tgt Ion:149 Resp: 8893

Ion	Ratio	Lower	Upper
149	100		
91	63.2	58.2	87.4
206	21.4	17.7	26.5

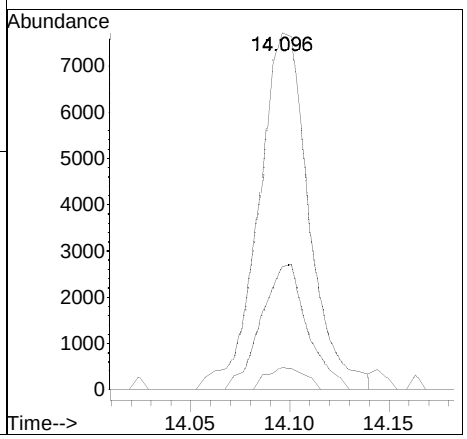




#84
bis(2-Ethylhexyl)phthalate
Concen: 0.06 ug/mL
RT: 14.096 min Scan# 2494
Delta R.T. -0.005 min
Lab File: F1703281611.d
Acq: 28 Mar 2016 4:58 pm

Tgt Ion:149 Resp: 13573

Ion	Ratio	Lower	Upper
149	100		
167	32.2	24.3	36.5
279	4.7	4.2	6.2



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281612.d
Acq On : 28 Mar 2016 5:27 pm
Operator : PAH17:ML
Sample : L1607846-06
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 30 16:12:01 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.254	152	389536	5.000	ug/mL	0.00
21) Naphthalene-d8	5.400	136	1509104	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.085	164	733835M4	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.718	188	1306175	5.000	ug/mL	0.00
76) Chrysene-d12	13.673	240	1024511	5.000	ug/mL	0.00
85) Perylene-d12	16.812	264	977808	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.199	112	715674	7.362	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 36.81%			
8) Phenol-d5	3.936	99	642110	5.277	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 26.39%			
22) Nitrobenzene-d5	4.745	82	1429083	15.760	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 78.80%			
43) 2-Fluorobiphenyl	6.440	172	2770607	16.363	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 81.81%			
65) 2,4,6-Tribromophenol	7.885	330	284541	21.993	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 109.97%			
79) Terphenyl-d14	11.477	244	2756135	19.703	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 98.52%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.	d	
3) Pyridine	0.000		0	N.D.	d	
5) Benzaldehyde	0.000		0	N.D.		
6) Aniline	0.000		0	N.D.	d	
7) bis(2-Chloroethyl)ether	0.000		0	N.D.	d	
9) Phenol	0.000		0	N.D.	d	
10) 2-Chlorophenol	0.000		0	N.D.	d	
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.	d	
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D.	d	
17) Acetophenone	4.610	105	4437	0.033	ug/ml#	66
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281612.d
Acq On : 28 Mar 2016 5:27 pm
Operator : PAH17:ML
Sample : L1607846-06
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 30 16:12:01 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.	d	
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.	d	
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.	d	
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.	d	
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.	d	
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.	d	
74) Di-n-butylphthalate	0.000		0	N.D.	d	
77) Benzidine	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281612.d
Acq On : 28 Mar 2016 5:27 pm
Operator : PAH17:ML
Sample : L1607846-06
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 30 16:12:01 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Butylbenzylphthalate	12.628	149	10010	0.079	ug/mL	93
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.091	149	8979	0.053	ug/mL#	97
86) Di-n-octylphthalate	0.000		0	N.D.	d	

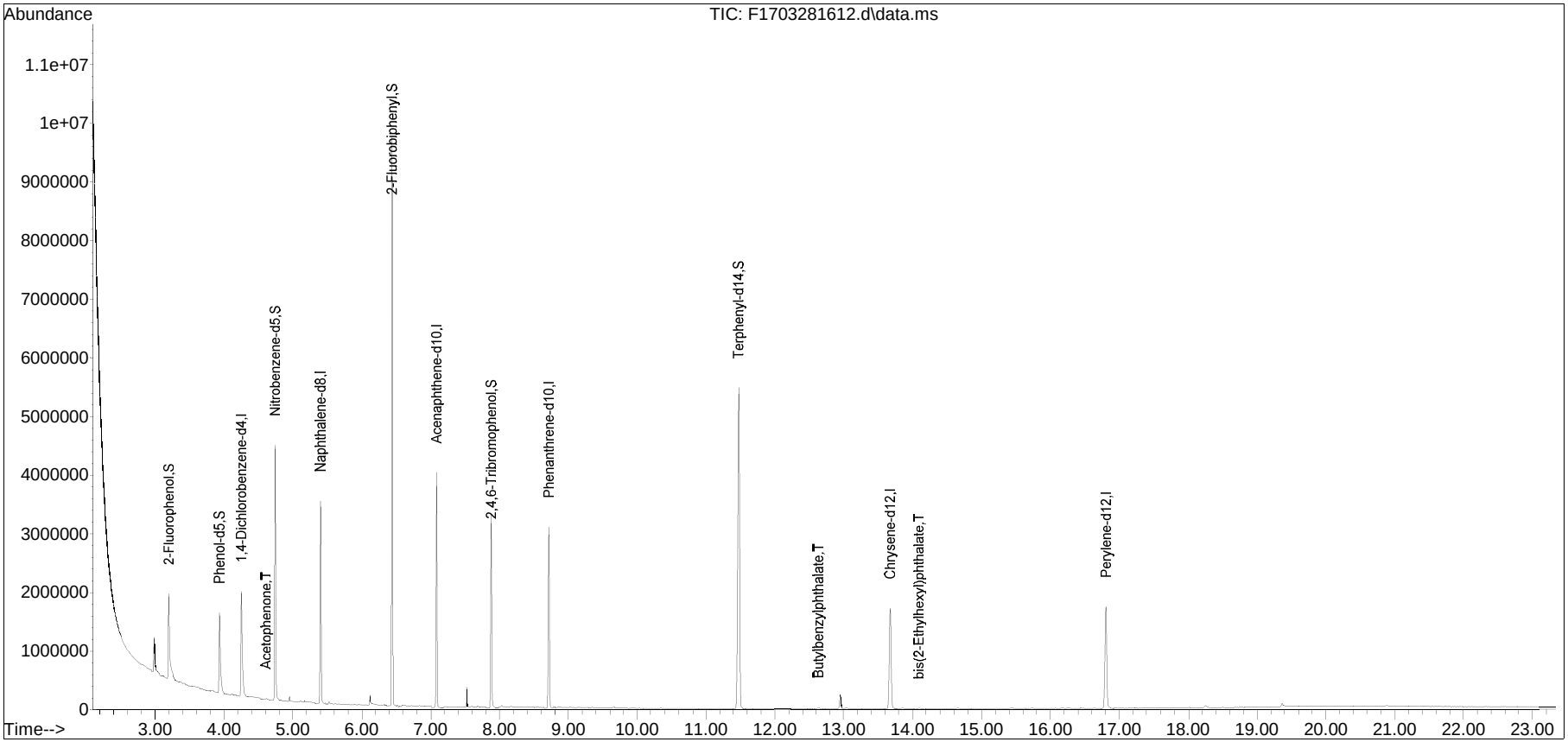
(#) = qualifier out of range (m) = manual integration (+) = signals summed

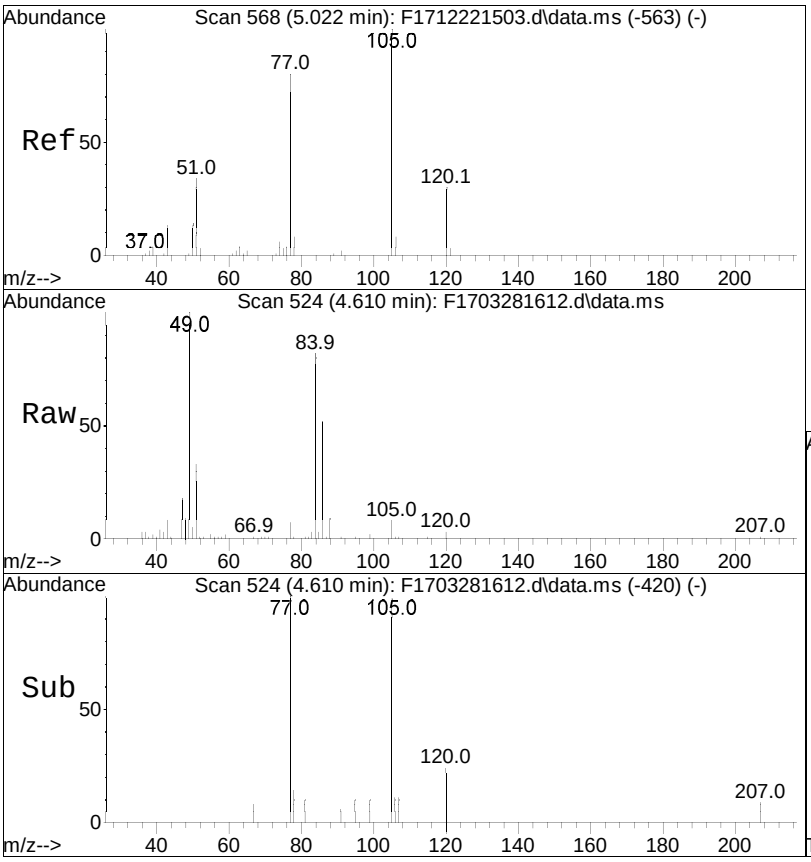
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281612.d
Acq On : 28 Mar 2016 5:27 pm
Operator : PAH17:ML
Sample : L1607846-06
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 30 16:12:01 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

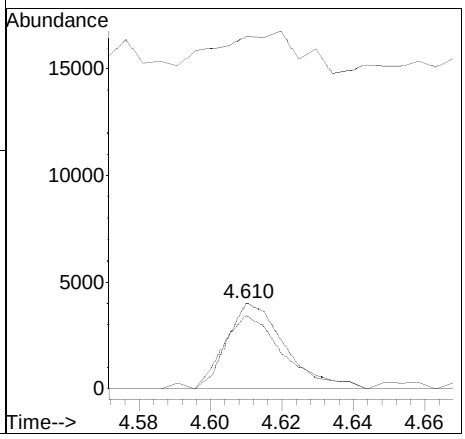


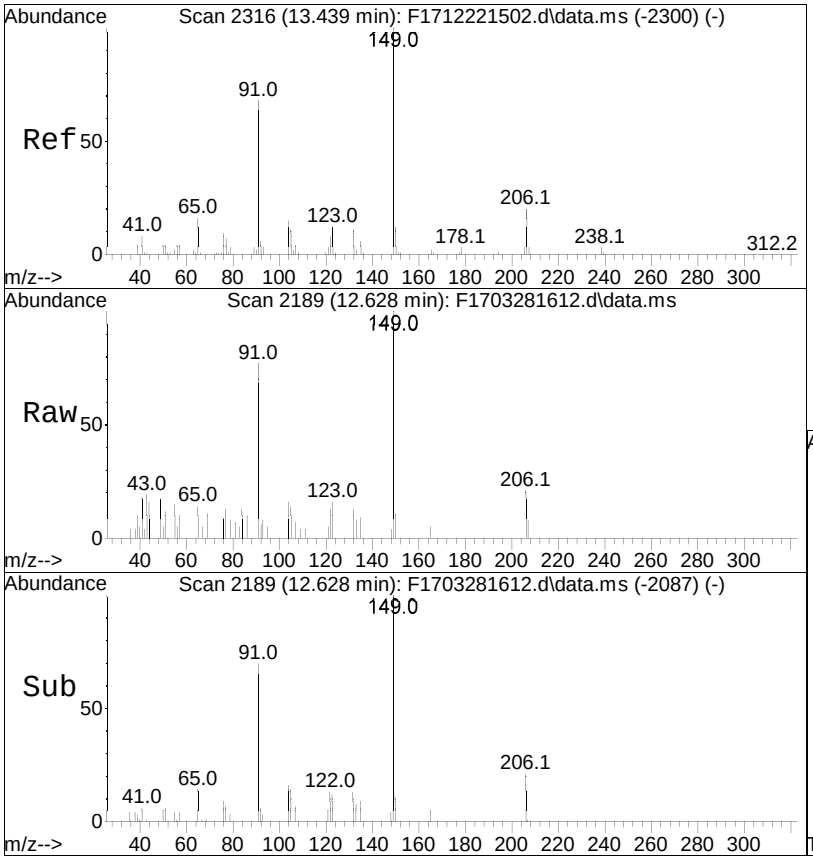


#17
Acetophenone
Concen: 0.03 ug/ml
RT: 4.610 min Scan# 524
Delta R.T. -0.000 min
Lab File: F1703281612.d
Acq: 28 Mar 2016 5:27 pm

Tgt Ion:105 Resp: 4437

Ion	Ratio	Lower	Upper
105	100		
77	90.9	61.0	91.6
51	69.3	20.3	30.5#

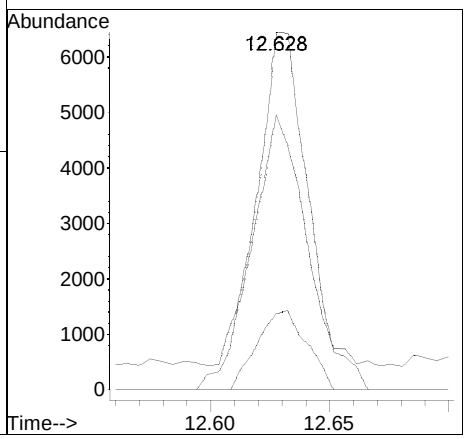


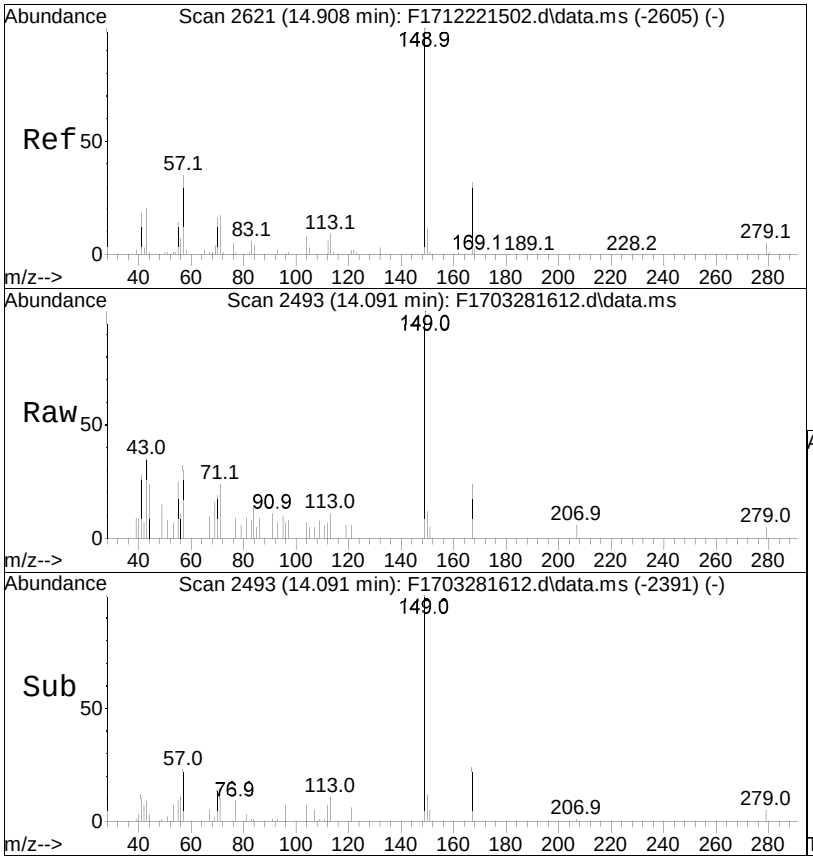


#80
Butylbenzylphthalate
Concen: 0.08 ug/mL
RT: 12.628 min Scan# 2189
Delta R.T. -0.010 min
Lab File: F1703281612.d
Acq: 28 Mar 2016 5:27 pm

Tgt Ion:149 Resp: 10010

Ion	Ratio	Lower	Upper
149	100		
91	66.3	58.2	87.4
206	20.7	17.7	26.5

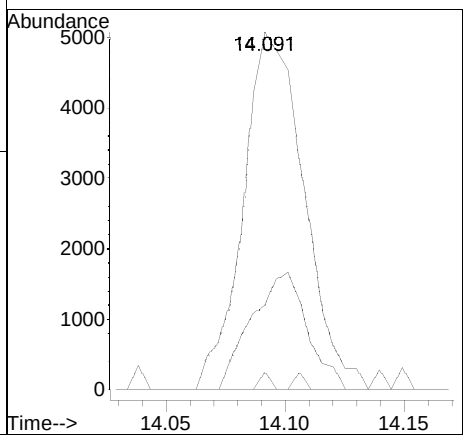




#84
bis(2-Ethylhexyl)phthalate
Concen: 0.05 ug/mL
RT: 14.091 min Scan# 2493
Delta R.T. -0.010 min
Lab File: F1703281612.d
Acq: 28 Mar 2016 5:27 pm

Tgt Ion:149 Resp: 8979

Ion	Ratio	Lower	Upper
149	100		
167	30.1	24.3	36.5
279	0.0	4.2	6.2#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281613.d
Acq On : 28 Mar 2016 5:57 pm
Operator : PAH17:ML
Sample : L1607846-07
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 30 16:13:21 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.249	152	369565	5.000	ug/mL	0.00
21) Naphthalene-d8	5.400	136	1458924	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.085	164	694848	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.718	188	1209668	5.000	ug/mL	0.00
76) Chrysene-d12	13.673	240	917016	5.000	ug/mL	0.00
85) Perylene-d12	16.812	264	858231	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.194	112	759244	8.232	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 41.16%			
8) Phenol-d5	3.936	99	651094	5.640	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 28.20%			
22) Nitrobenzene-d5	4.740	82	1373700	15.671	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 78.35%			
43) 2-Fluorobiphenyl	6.440	172	2617627	16.327	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 81.64%			
65) 2,4,6-Tribromophenol	7.880	330	251212	20.966	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 104.83%			
79) Terphenyl-d14	11.477	244	2374790	18.967	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 94.83%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.	d	
5) Benzaldehyde	0.000		0	N.D.		
6) Aniline	0.000		0	N.D.	d	
7) bis(2-Chloroethyl)ether	0.000		0	N.D.	d	
9) Phenol	0.000		0	N.D.	d	
10) 2-Chlorophenol	0.000		0	N.D.	d	
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.	d	
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D.	d	
17) Acetophenone	4.610	105	4028	0.031	ug/ml#	84
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281613.d
Acq On : 28 Mar 2016 5:57 pm
Operator : PAH17:ML
Sample : L1607846-07
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 30 16:13:21 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	0.000		0	N.D.		d
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.		d
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		d
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	0.000		0	N.D.		d
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.		d
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		d
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		d
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.		d
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		d
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		d
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		d
74) Di-n-butylphthalate	0.000		0	N.D.		d
77) Benzidine	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281613.d
Acq On : 28 Mar 2016 5:57 pm
Operator : PAH17:ML
Sample : L1607846-07
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 30 16:13:21 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Butylbenzylphthalate	12.628	149	6974	0.062	ug/mL	94
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.096	149	67291	0.447	ug/mL	96
86) Di-n-octylphthalate	0.000		0	N.D. d		

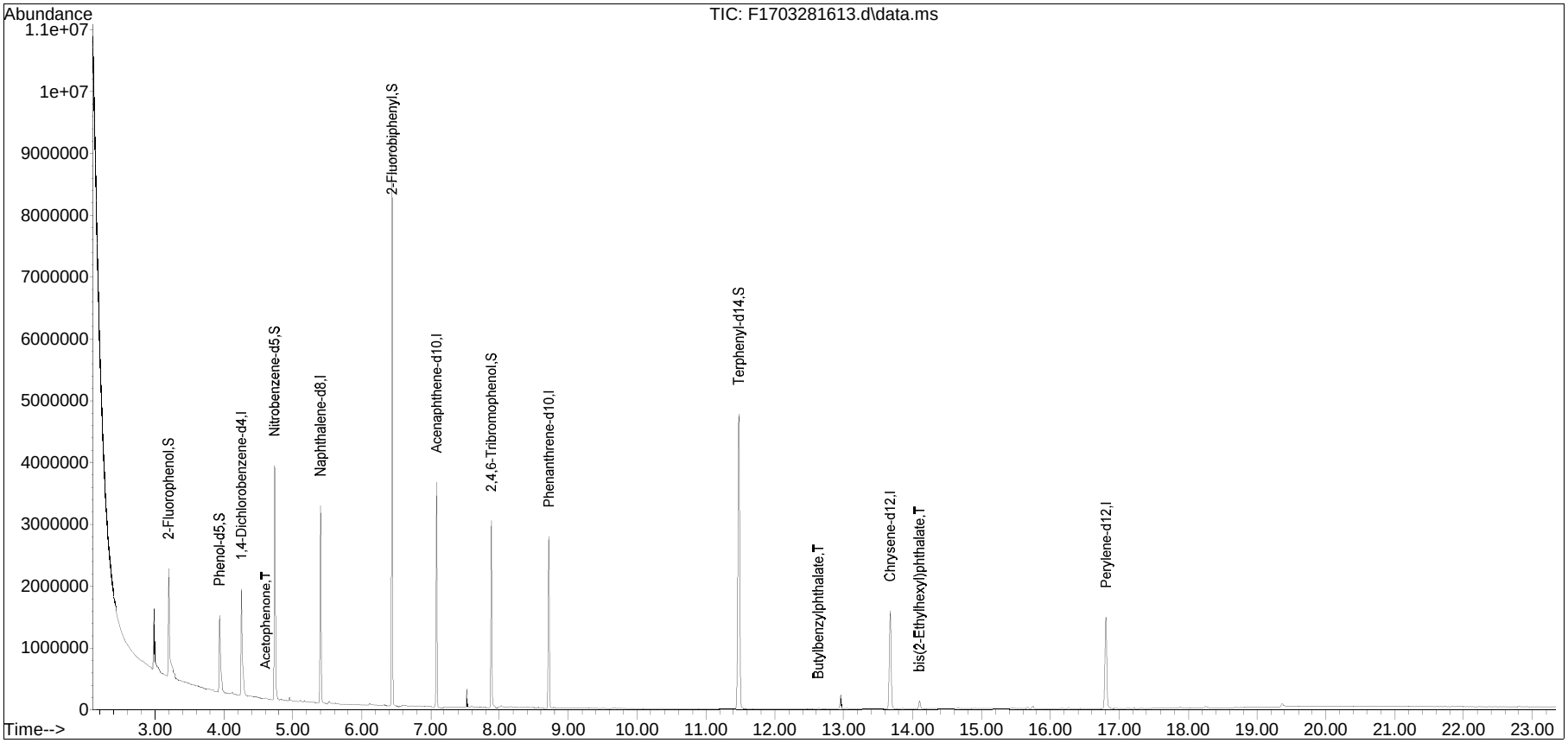
(#) = qualifier out of range (m) = manual integration (+) = signals summed

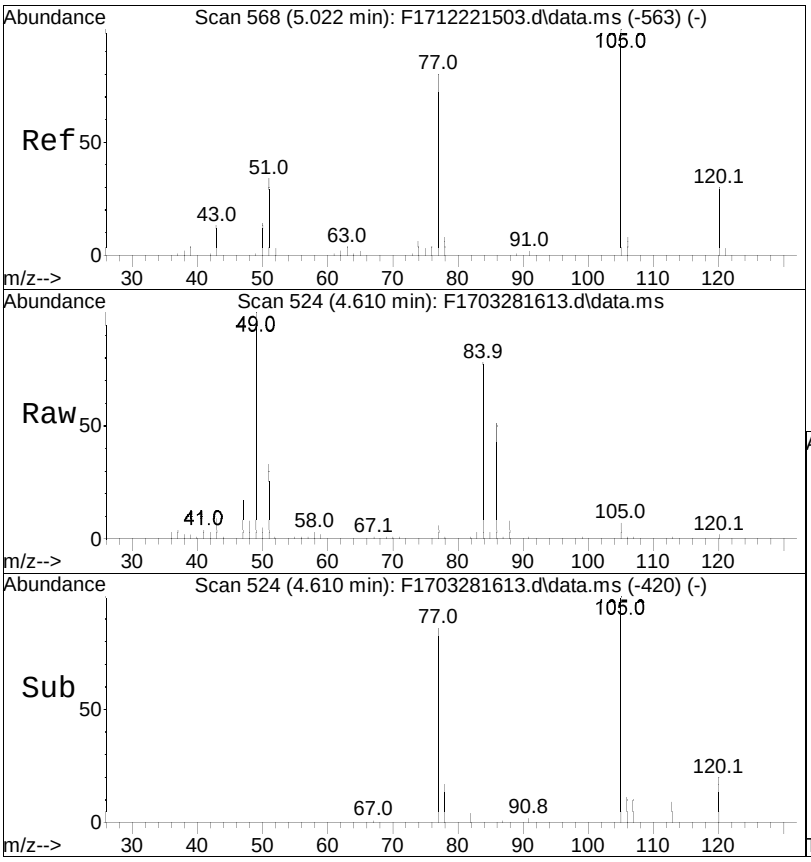
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281613.d
Acq On : 28 Mar 2016 5:57 pm
Operator : PAH17:ML
Sample : L1607846-07
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 30 16:13:21 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

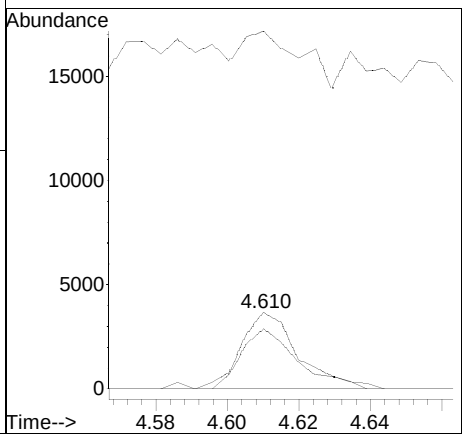


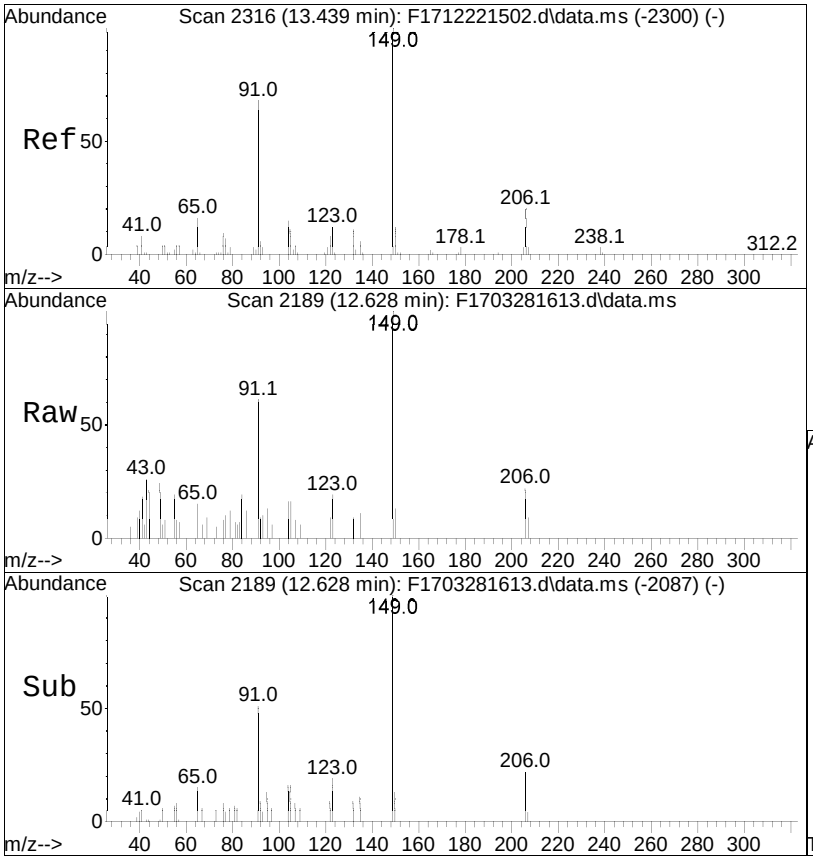


#17
Acetophenone
Concen: 0.03 ug/ml
RT: 4.610 min Scan# 524
Delta R.T. 0.000 min
Lab File: F1703281613.d
Acq: 28 Mar 2016 5:57 pm

Tgt Ion:105 Resp: 4028

Ion	Ratio	Lower	Upper
105	100		
77	79.7	61.0	91.6
51	0.0	20.3	30.5#

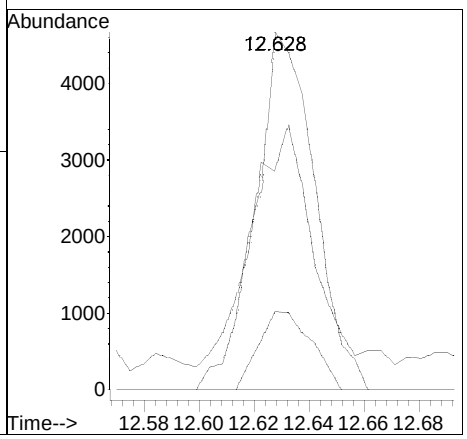


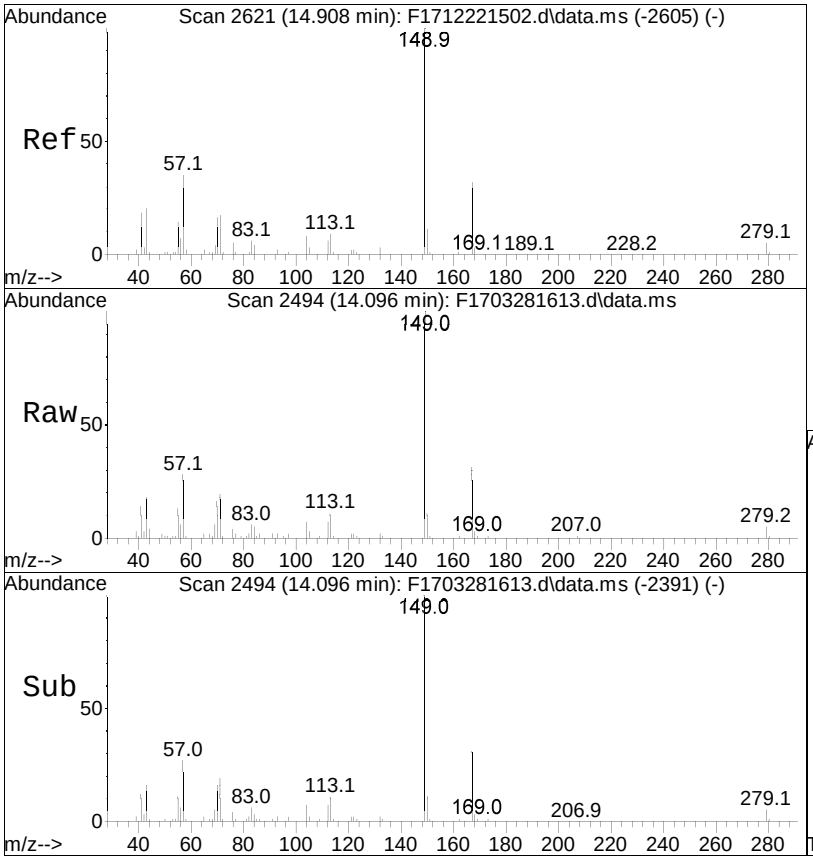


#80
Butylbenzylphthalate
Concen: 0.06 ug/mL
RT: 12.628 min Scan# 2189
Delta R.T. -0.010 min
Lab File: F1703281613.d
Acq: 28 Mar 2016 5:57 pm

Tgt Ion:149 Resp: 6974

Ion	Ratio	Lower	Upper
149	100		
91	68.2	58.2	87.4
206	19.4	17.7	26.5

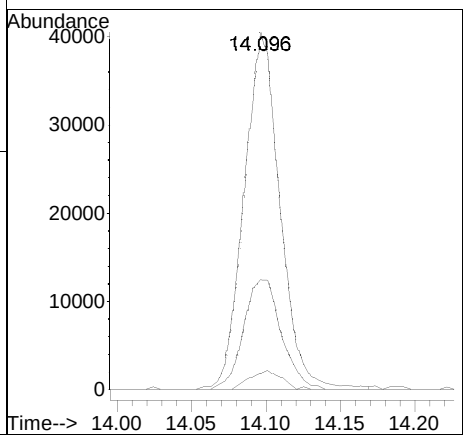




#84
bis(2-Ethylhexyl)phthalate
Concen: 0.45 ug/mL
RT: 14.096 min Scan# 2494
Delta R.T. -0.005 min
Lab File: F1703281613.d
Acq: 28 Mar 2016 5:57 pm

Tgt Ion:149 Resp: 67291

Ion	Ratio	Lower	Upper
149	100		
167	32.6	24.3	36.5
279	4.7	4.2	6.2



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281614.d
Acq On : 28 Mar 2016 6:26 pm
Operator : PAH17:ML
Sample : L1607846-08
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 30 16:18:50 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.249	152	328696	5.000	ug/mL	0.00
21) Naphthalene-d8	5.400	136	1285808	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.085	164	610703	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.718	188	1051315	5.000	ug/mL	0.00
76) Chrysene-d12	13.672	240	750605	5.000	ug/mL	0.00
85) Perylene-d12	16.812	264	732092	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.190	112	633779M1	7.726	ug/mL	-0.01
Spiked Amount 20.000	Range 21 - 100		Recovery = 38.63%			
8) Phenol-d5	3.936	99	542058	5.279	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 26.40%			
22) Nitrobenzene-d5	4.745	82	1207049	15.623	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 78.11%			
43) 2-Fluorobiphenyl	6.440	172	2356403	16.722	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 83.61%			
65) 2,4,6-Tribromophenol	7.880	330	211412	20.302	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 101.51%			
79) Terphenyl-d14	11.472	244	2065405	20.154	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 100.77%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.	d	
5) Benzaldehyde	0.000		0	N.D.		
6) Aniline	0.000		0	N.D.	d	
7) bis(2-Chloroethyl)ether	0.000		0	N.D.	d	
9) Phenol	0.000		0	N.D.	d	
10) 2-Chlorophenol	0.000		0	N.D.	d	
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.	d	
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D.	d	
17) Acetophenone	4.615	105	6121	0.053	ug/ml#	82
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281614.d
Acq On : 28 Mar 2016 6:26 pm
Operator : PAH17:ML
Sample : L1607846-08
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 30 16:18:50 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
20) 4-Methylphenol	0.000		0	N.D.	d	
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.	d	
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.	d	
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	0.000		0	N.D.		
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.	d	
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.	d	
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	7.533	149	3513	0.023	ug/mL	96
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.	d	
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.	d	

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281614.d
Acq On : 28 Mar 2016 6:26 pm
Operator : PAH17:ML
Sample : L1607846-08
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 30 16:18:50 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Benzidine	0.000		0	N.D.		
80) Butylbenzylphthalate	12.632	149	4648	0.050	ug/mL#	96
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.096	149	9669	0.078	ug/mL#	99
86) Di-n-octylphthalate	0.000		0	N.D. d		

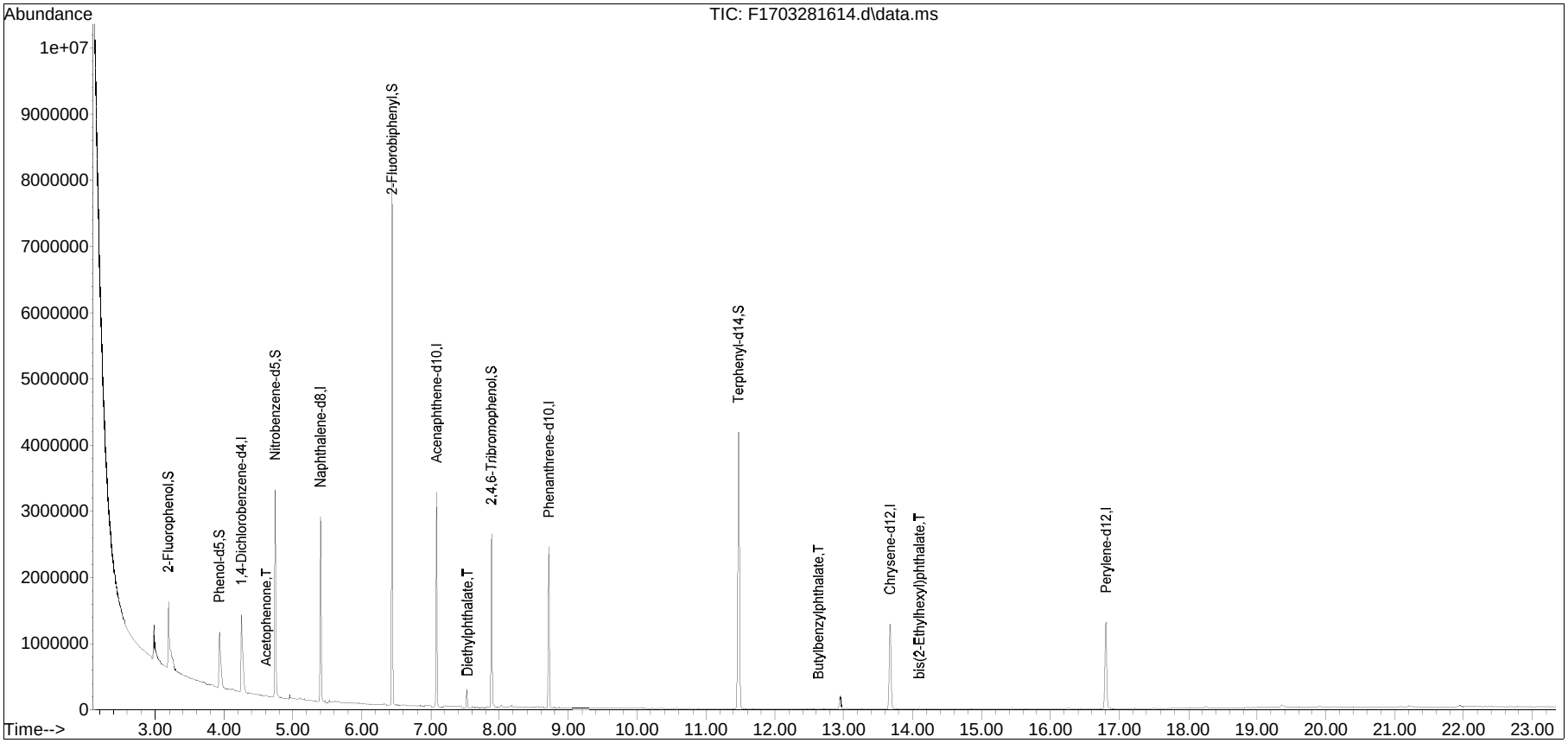
(#) = qualifier out of range (m) = manual integration (+) = signals summed

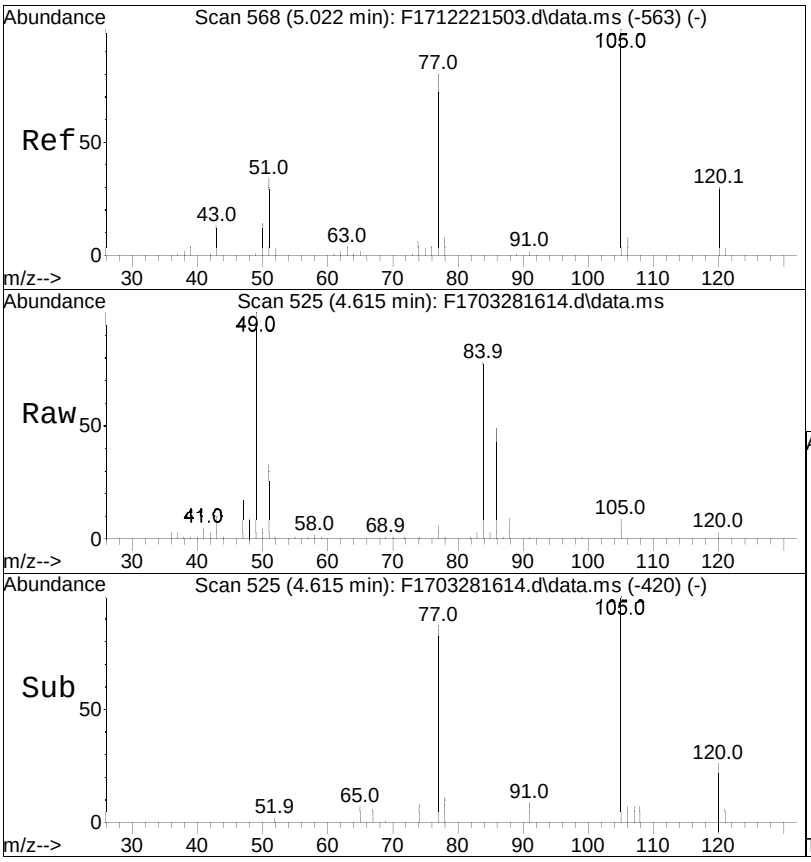
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR28\
Data File : F1703281614.d
Acq On : 28 Mar 2016 6:26 pm
Operator : PAH17:ML
Sample : L1607846-08
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 30 16:18:50 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR28\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 08:58:00 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

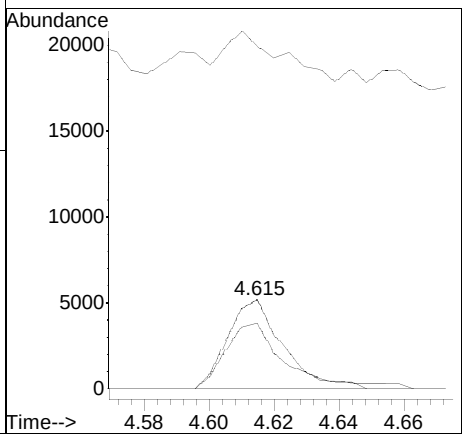


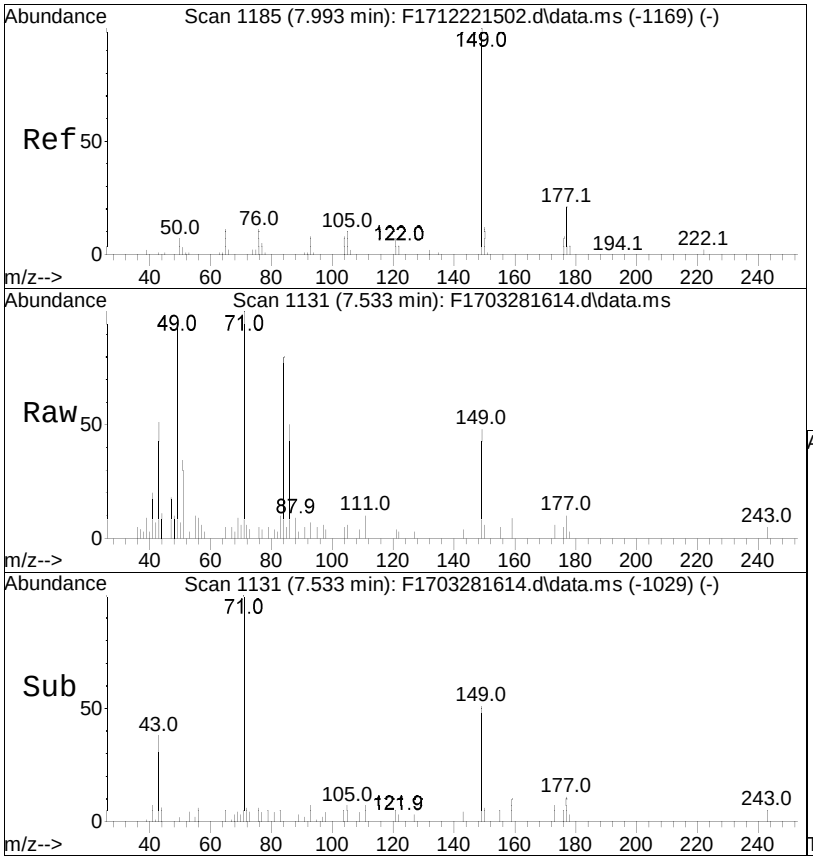


#17
Acetophenone
Concen: 0.05 ug/ml
RT: 4.615 min Scan# 525
Delta R.T. 0.005 min
Lab File: F1703281614.d
Acq: 28 Mar 2016 6:26 pm

Tgt Ion:105 Resp: 6121

Ion	Ratio	Lower	Upper
105	100		
77	79.4	61.0	91.6
51	56.3	20.3	30.5#

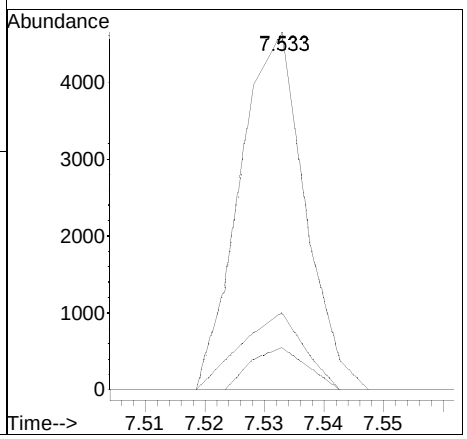


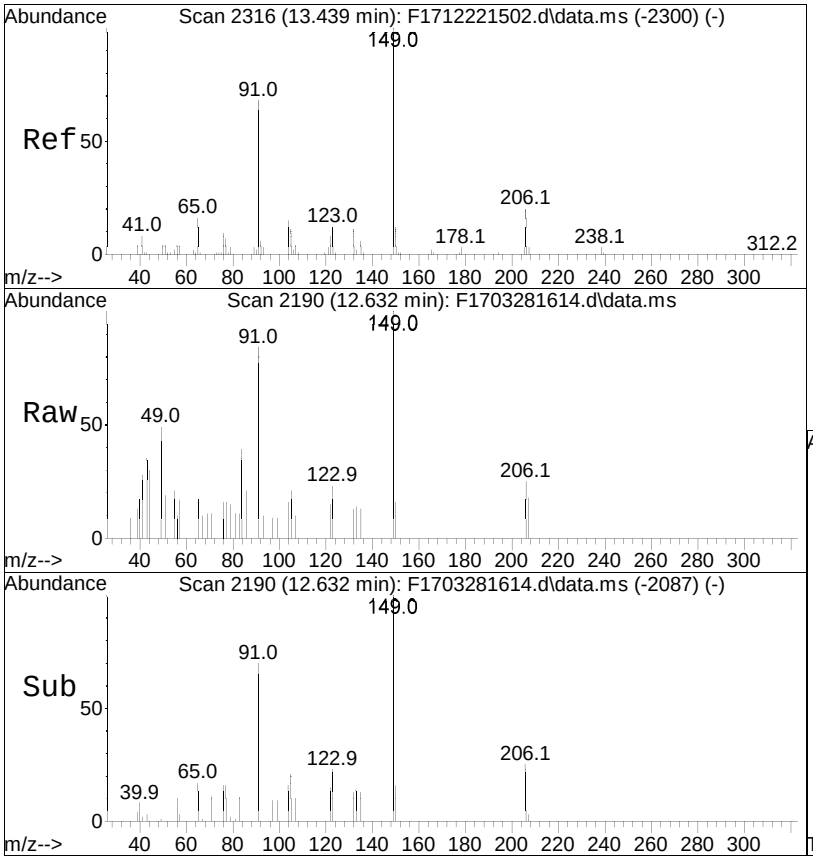


#59
Diethylphthalate
Concen: 0.02 ug/mL
RT: 7.533 min Scan# 1131
Delta R.T. -0.010 min
Lab File: F1703281614.d
Acq: 28 Mar 2016 6:26 pm

Tgt Ion:149 Resp: 3513

Ion	Ratio	Lower	Upper
149	100		
177	20.9	17.8	26.8
150	10.1	9.8	14.6

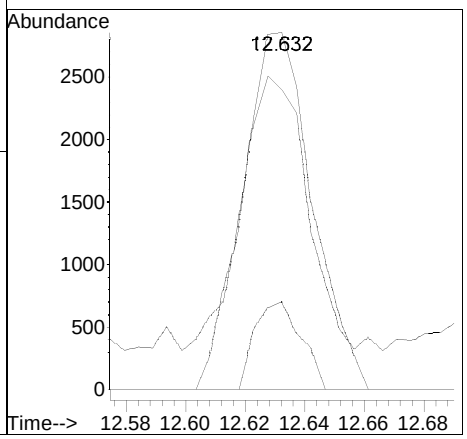


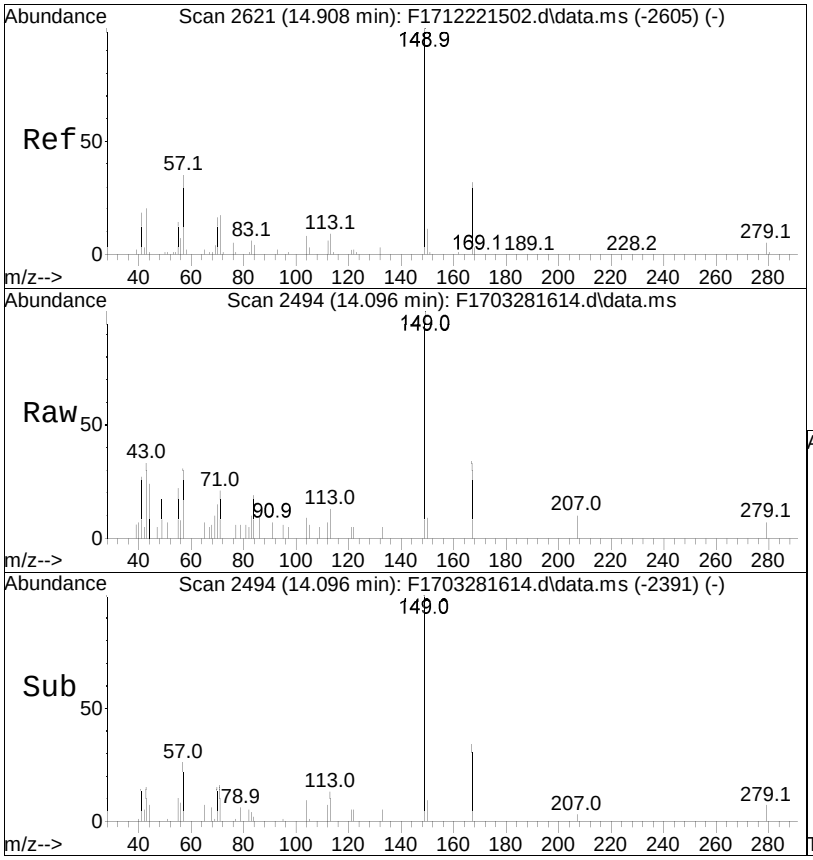


#80
Butylbenzylphthalate
Concen: 0.05 ug/mL
RT: 12.632 min Scan# 2190
Delta R.T. -0.005 min
Lab File: F1703281614.d
Acq: 28 Mar 2016 6:26 pm

Tgt Ion:149 Resp: 4648

Ion	Ratio	Lower	Upper
149	100		
91	72.0	58.2	87.4
206	16.3	17.7	26.5#

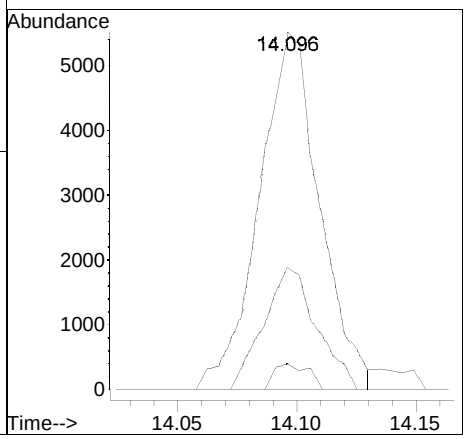




#84
bis(2-Ethylhexyl)phthalate
Concen: 0.08 ug/mL
RT: 14.096 min Scan# 2494
Delta R.T. -0.005 min
Lab File: F1703281614.d
Acq: 28 Mar 2016 6:26 pm

Tgt Ion:149 Resp: 9669

Ion	Ratio	Lower	Upper
149	100		
167	30.0	24.3	36.5
279	4.1	4.2	6.2#



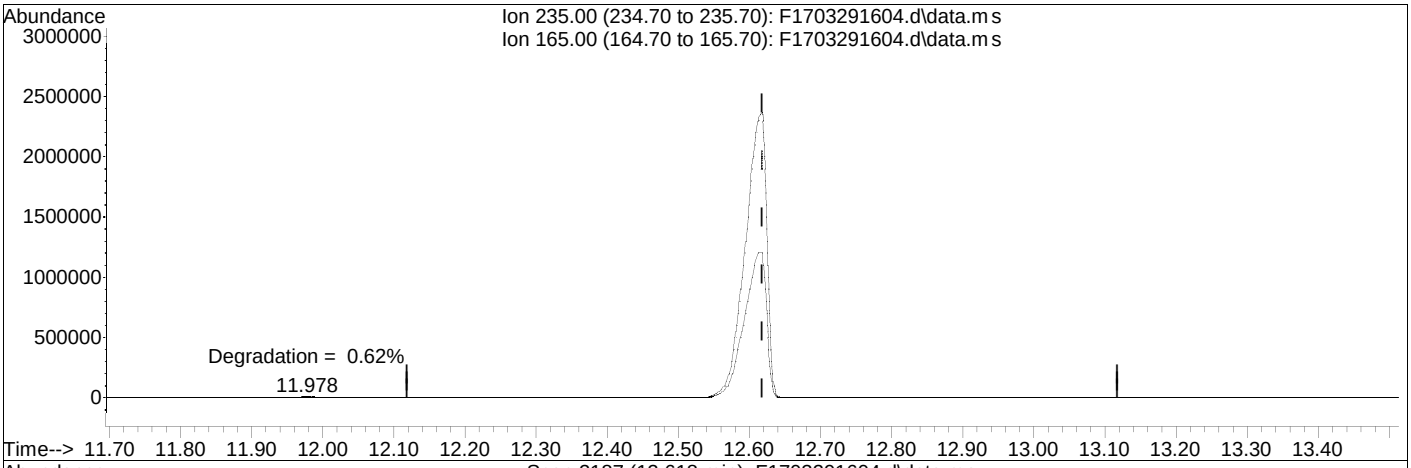
Analytical Event

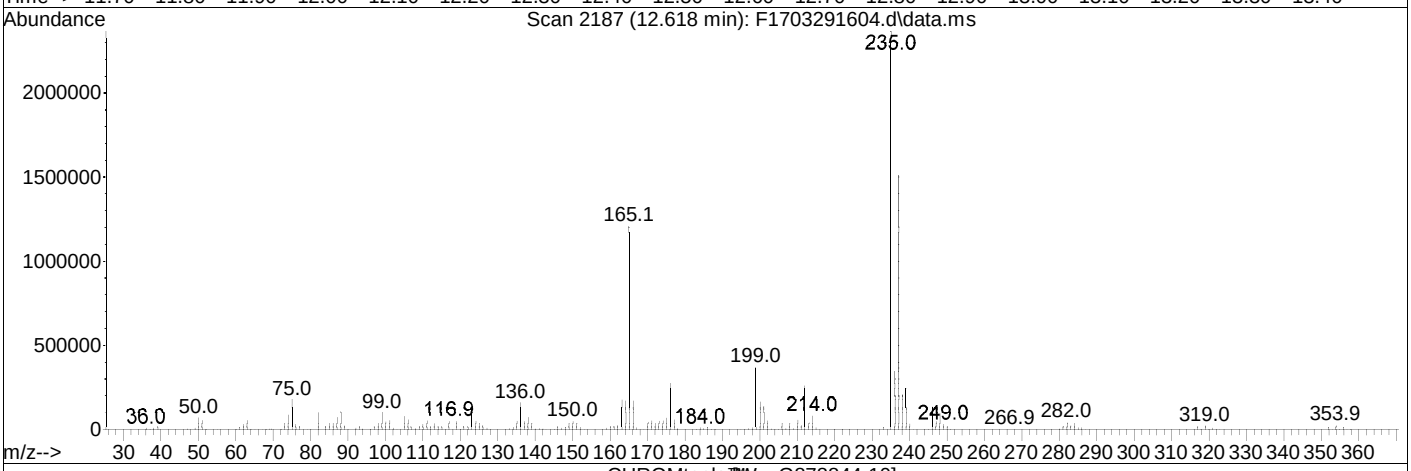
Degradation Check Standard

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR29\
Data File : F1703291604.d
Acq On : 29 Mar 2016 1:34 pm
Operator : PAH17:ML
Sample : WG878844-10
Misc : WG878844,MSAI06
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 11:25:03 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR29\DFTPPPAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 30 11:24:55 2016
Response via : Initial Calibration





CHROMtools™ [W G878844-10]

(4) DDT ( )

12.618min (0.000) 0.00

response 4863861

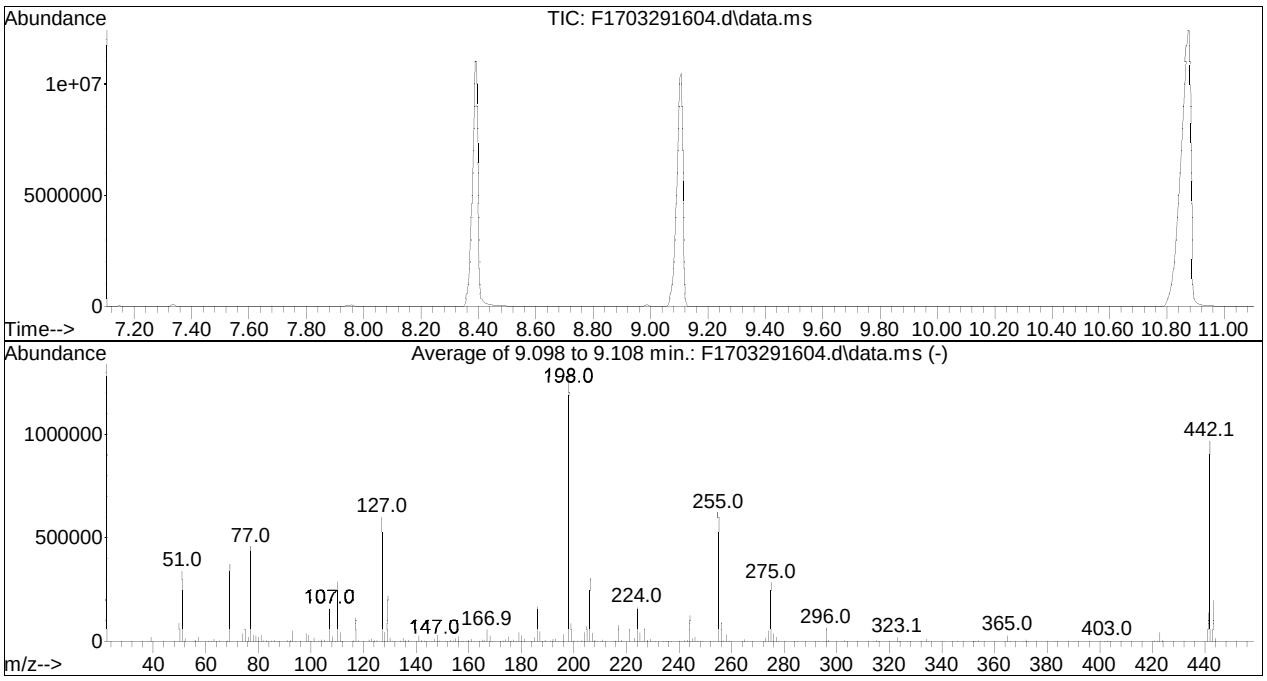
Ion	Exp%	Act%
235.00	100	100
165.00	51.00	52.55
0.00	0.00	0.00
0.00	0.00	0.00

Continuing Calibration
DFTPP Tune

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR29\
Data File : F1703291604.d
Acq On : 29 Mar 2016 1:34 pm
Operator : PAH17:ML
Sample : WG878844-9
Misc : WG878844,MSAI06
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : O:\Organics\DATA\PAH17\2016\MAR\MAR29\DFTPPPAH17.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Nov 20 13:11:58 2012



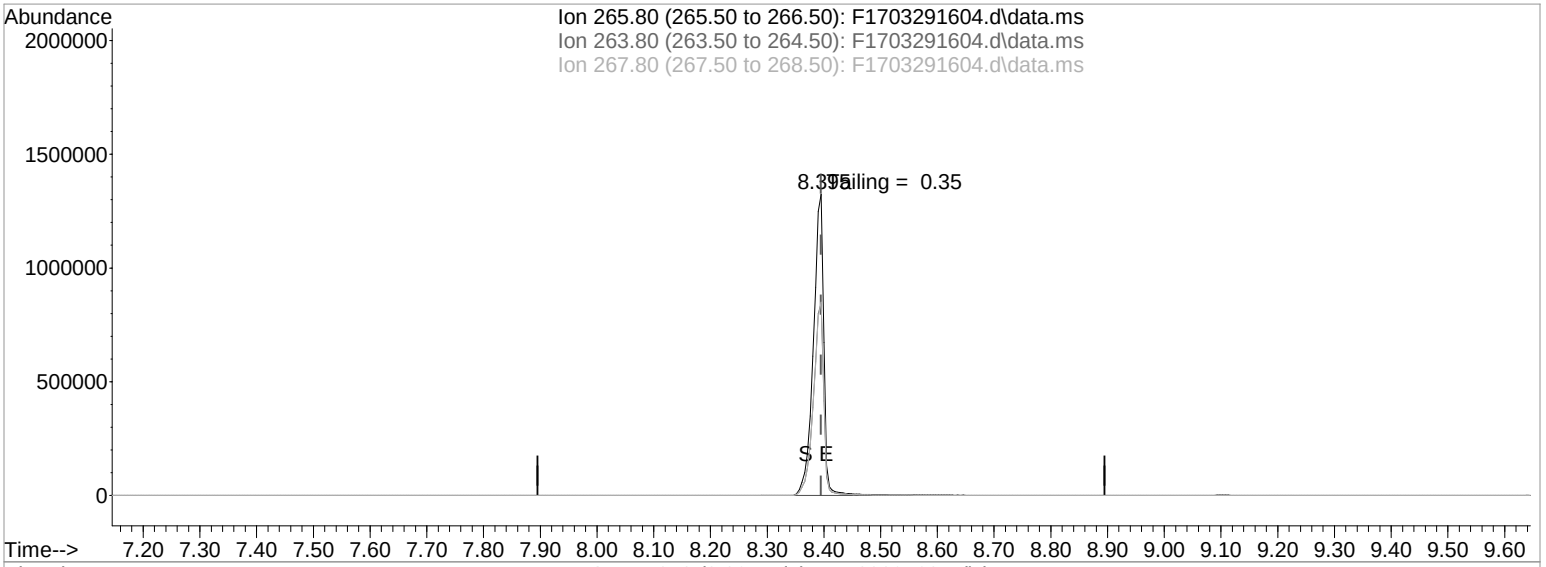
Spectrum Information: Average of 9.098 to 9.108 min.

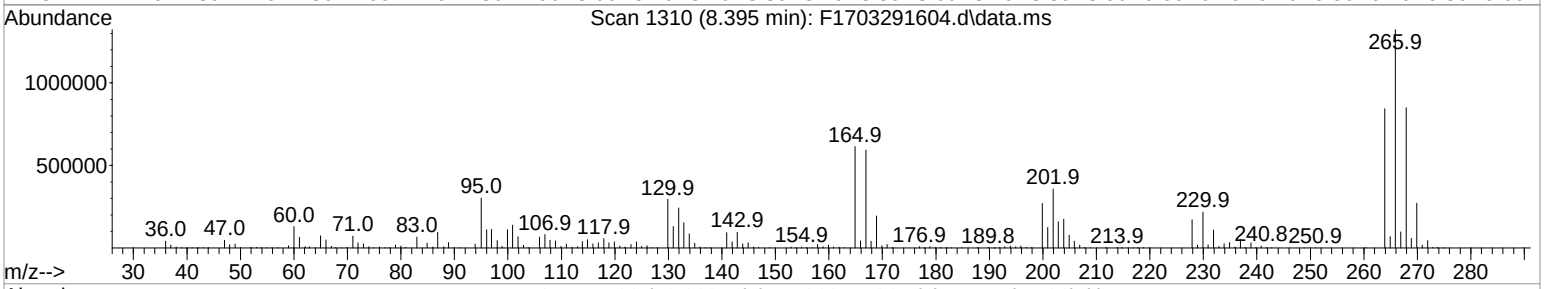
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	26.6	338862	PASS
68	69	0.00	2	1.8	6545	PASS
70	69	0.00	2	0.4	1555	PASS
127	198	10	80	47.0	598208	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1273685	PASS
199	198	5	9	6.8	86045	PASS
275	198	10	60	22.4	284971	PASS
365	198	1	100	2.2	28125	PASS
441	442	0.01	24	14.4	139552	PASS
442	198	50	100	76.0	967680	PASS
443	442	15	24	20.3	196864	PASS

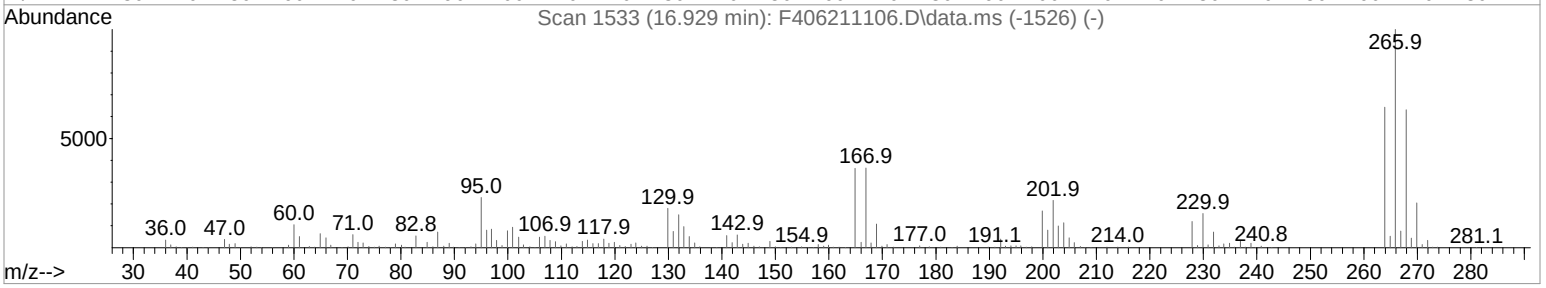
Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR29\
Data File : F1703291604.d
Acq On : 29 Mar 2016 1:34 pm
Operator : PAH17:ML
Sample : WG878844-10
Misc : WG878844,MSAI06
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 11:25:03 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR29\DFTPPPAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 30 11:24:55 2016
Response via : Initial Calibration







CHROMtools™ [WG878844-10]

(1) Pentachlorophenol (MC)

8.395min (0.000) 32.06 ug/mL

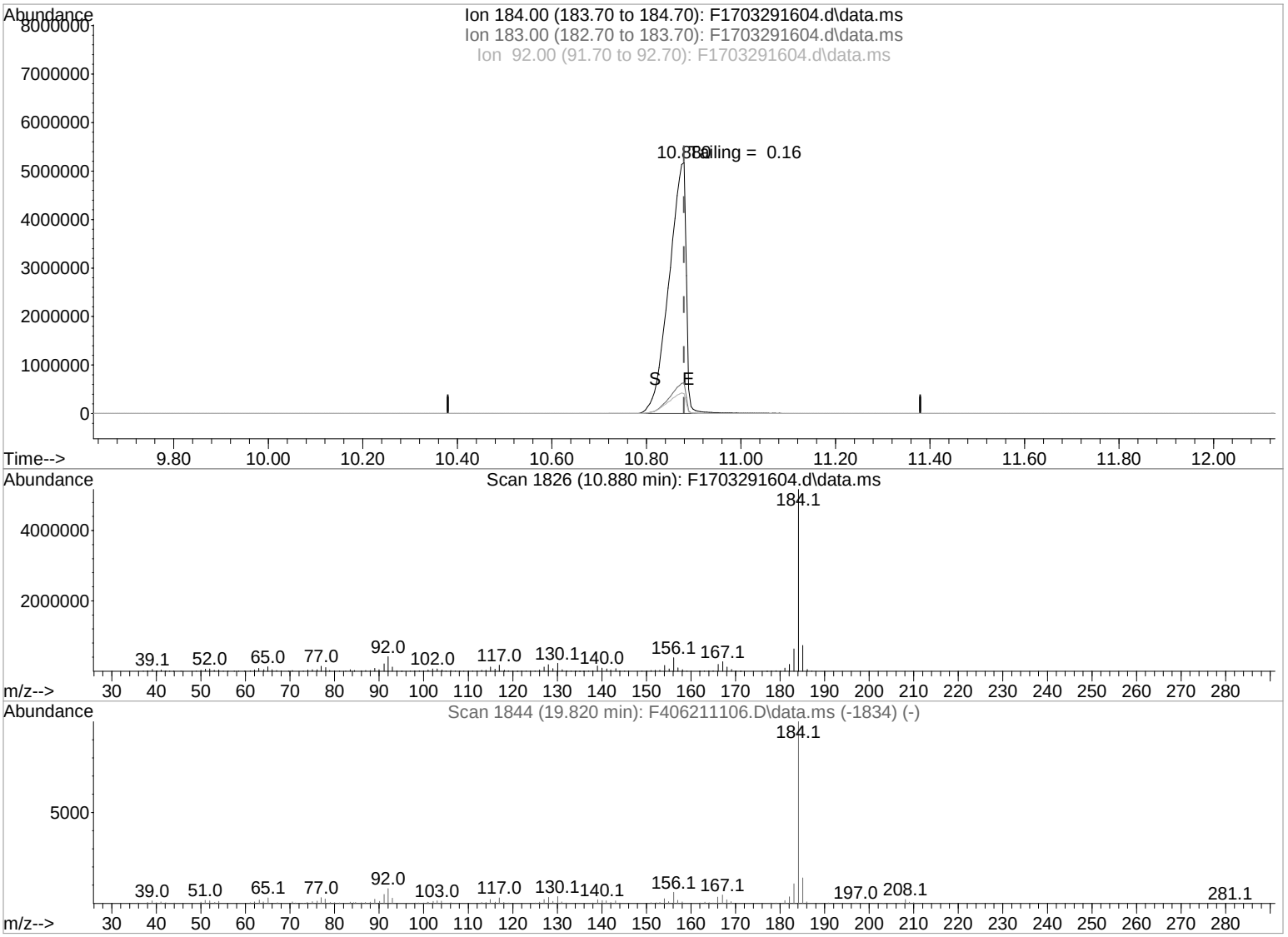
response 1678231 ~2 x >CAL (25)

Ion	Exp%	Act%
265.80	100	100
263.80	63.80	63.62
267.80	64.20	63.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR29\
Data File : F1703291604.d
Acq On : 29 Mar 2016 1:34 pm
Operator : PAH17:ML
Sample : WG878844-10
Misc : WG878844,MSAI06
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 11:25:03 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR29\DFTPPPAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 30 11:24:55 2016
Response via : Initial Calibration



CHROMtools™ [WG878844-10]

(3) Benzidine (T)

10.880min (0.000) 159.15 ug/mL

response 12949268 ~7 x >CAL (25)

Ion	Exp%	Act%
184.00	100	100
183.00	12.20	11.79
92.00	8.00	8.59
0.00	0.00	0.00

Continuing Calibration

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR29\
Data File : F1703291605.d
Acq On : 29 Mar 2016 2:03 pm
Operator : PAH17:ML
Sample : WG878844-11
Misc : WG878844,MSAI31
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 29 17:33:20 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR29\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 17:32:55 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
2	T	N-Nitrosodimethylamine	0.781	0.681	12.8	81	0.00
3	t	Pyridine	1.434	1.249	12.9	82	0.00
4	S	2-Fluorophenol	1.248	1.221	2.2	89	0.00
5	T	Benzaldehyde	1.040	0.000	100.0#	0#	-3.82#
6	T	Aniline	1.921	1.730	9.9	86	0.00
7	T	bis(2-Chloroethyl)ether	0.889	0.791	11.0	83	0.00
8	S	Phenol-d5	1.562	1.467	6.1	87	0.00
9	MC	Phenol	1.659	1.555	6.3#	87	0.00
10	M	2-Chlorophenol	1.366	1.329	2.7	90	0.00
11	T	1,3-Dichlorobenzene	1.360	1.348	0.9	92	0.00
12	MC	1,4-Dichlorobenzene	1.362	1.358	0.3#	92	0.00
13	T	1,2-Dichlorobenzene	1.280	1.290	-0.8	92	0.00
14	T	Benzyl alcohol	0.903	0.877	2.9	89	0.00
15	T	bis(2-chloroisopropyl)ether	1.721	1.528	11.2	83	0.00
16	T	2-Methylphenol	1.133	1.091	3.7	89	0.00
17	T	Acetophenone	1.748	0.000	100.0#	0#	-4.54#
18	T	Hexachloroethane	0.561	0.557	0.7	91	0.00
19	MP	N-Nitroso-di-n-propylamine	0.906	0.826	8.8	87	0.00
20	T	4-Methylphenol	1.209	1.144	5.4	91	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	92	0.00
22	S	Nitrobenzene-d5	0.300	0.294	2.0	90	0.00
23	T	Nitrobenzene	0.315	0.310	1.6	90	0.00
24	T	Isophorone	0.519	0.489	5.8	88	0.00
25	TC	2-Nitrophenol	0.158	0.175	-10.8#	98	0.00
26	T	2,4-Dimethylphenol	0.275	0.256	6.9	90	0.00
27	T	Benzoic acid	* 10.000	10.423	-4.2	99	0.00
28	T	bis(2-Chloroethoxy)methane	0.365	0.341	6.6	89	0.00
29	TC	2,4-Dichlorophenol	0.243	0.249	-2.5#	96	0.00
30	M	1,2,4-Trichlorobenzene	0.255	0.261	-2.4	96	0.00
31	T	Naphthalene	0.866	0.853	1.5	93	0.00
32	T	2-Chloroaniline	0.451	0.435	3.5	90	0.00
33	T	4-Chloroaniline	0.386	0.376	2.6	91	0.00
34	TC	Hexachlorobutadiene	0.121	0.126	-4.1#	99	0.00
35	T	Caprolactam	0.104	0.000	100.0#	0#	-5.72#
36	MC	4-Chloro-3-methylphenol	0.269	0.263	2.2#	91	0.00
37	T	2-Methylnaphthalene	0.567	0.553	2.5	94	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR29\
Data File : F1703291605.d
Acq On : 29 Mar 2016 2:03 pm
Operator : PAH17:ML
Sample : WG878844-11
Misc : WG878844,MSAI31
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 29 17:33:20 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR29\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 17:32:55 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
38	I	Acenaphthene-d10		1.000	1.000	0.0	94	0.00
39	T	1,2,4,5-Tetrachlorobenzene		0.422	0.427	-1.2	98	0.00
40	TP	Hexachlorocyclopentadiene	*	10.000	11.092	-10.9	103	0.00
41	TC	2,4,6-Trichlorophenol		0.331	0.348	-5.1#	100	0.00
42	T	2,4,5-Trichlorophenol		0.318	0.336	-5.7	95	0.00
43	S	2-Fluorobiphenyl		1.154	1.133	1.8	95	0.00
44	T	Biphenyl		1.442	0.000	100.0#	0#	-6.46#
45	T	2-Chloronaphthalene		1.104	1.075	2.6	95	0.00
46	T	2-Nitroaniline		0.315	0.314	0.3	91	0.00
47	T	Acenaphthylene		1.782	1.709	4.1	93	0.00
48	T	Dimethylphthalate		1.222	1.186	2.9	95	0.00
49	T	2,6-Dinitrotoluene		0.267	0.284	-6.4	96	0.00
50	MC	Acenaphthene		1.144	1.091	4.6#	93	0.00
51	T	3-Nitroaniline		0.312	0.328	-5.1	94	0.00
52	TP	2,4-Dinitrophenol	*	10.000	11.951	-19.5	125	0.00
53	T	Dibenzofuran		1.400	1.344	4.0	96	0.00
54		2,3,4,6-Tetrachlorophenol		0.197	0.223	-13.2	99	0.00
55	M	2,4-Dinitrotoluene		0.321	0.364	-13.4	99	0.00
56	MP	4-Nitrophenol		0.153	0.165	-7.8	96	0.00
57	T	Fluorene		1.183	1.163	1.7	96	0.00
58	T	4-Chlorophenyl-phenylether		0.520	0.527	-1.3	98	0.00
59	T	Diethylphthalate		1.263	1.187	6.0	92	0.00
60	T	4-Nitroaniline		0.335	0.352	-5.1	93	0.00
61	I	Phenanthrene-d10		1.000	1.000	0.0	95	0.00
62	T	4,6-Dinitro-2-methylphenol	*	10.000	10.741	-7.4	109	0.00
63	T	Azobenzene		0.203	0.195	3.9	92	0.00
64	TC	n-Nitrosodiphenylamine		0.484	0.463	4.3#	93	0.00
65	S	2,4,6-Tribromophenol		0.050	0.057	-14.0	104	0.00
66	T	4-Bromophenyl-phenylether		0.150	0.152	-1.3	99	0.00
67	T	Hexachlorobenzene		0.144	0.149	-3.5	100	0.00
68	T	Atrazine		0.184	0.000	100.0#	0#	-8.31#
69	MC	Pentachlorophenol	*	10.000	11.123	-11.2#	113	0.00
70	T	Pentachloronitrobenzene		0.056	0.065	-16.1	100	0.00
71	T	Phenanthrene		0.978	0.938	4.1	94	0.00
72	T	Anthracene		1.002	0.959	4.3	93	0.00
73	T	Carbazole		0.944	0.883	6.5	91	0.00
74	T	Di-n-butylphthalate		1.124	1.068	5.0	90	0.00
75	TC	Fluoranthene		1.001	0.975	2.6#	94	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR29\
Data File : F1703291605.d
Acq On : 29 Mar 2016 2:03 pm
Operator : PAH17:ML
Sample : WG878844-11
Misc : WG878844,MSAI31
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 29 17:33:20 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR29\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 17:32:55 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
76	I	Chrysene-d12	1.000	1.000	0.0	96	0.01
77	T	Benzidine	0.832	0.000	100.0#	0#	-10.84#
78	M	Pyrene	1.244	1.191	4.3	93	0.00
79	S	Terphenyl-d14	0.683	0.668	2.2	94	0.00
80	T	Butylbenzylphthalate	0.618	0.583	5.7	88	0.00
81	T	3,3'-Dichlorobenzidine	0.357	0.000	100.0#	0#	-13.57#
82	T	Benz[a]anthracene	1.044	1.002	4.0	93	0.00
83	T	Chrysene	1.018	0.978	3.9	92	0.00
84	T	bis(2-Ethylhexyl)phthalate	0.821	0.772	6.0	87	0.00
85	I	Perylene-d12	1.000	1.000	0.0	95	0.00
86	TC	Di-n-octylphthalate	1.523	1.456	4.4#	86	0.00
87	T	Benzo[b]fluoranthene	1.056	1.037	1.8	95	0.00
88	T	Benzo[k]fluoranthene	1.002	1.000	0.2	94	0.00
89	TC	Benzo[a]pyrene	0.996	0.982	1.4#	94	0.00
90	T	Indeno[1,2,3-cd]pyrene	0.872	0.858	1.6	94	0.00
91	T	Dibenz[a,h]anthracene	0.861	0.829	3.7	92	0.00
92	T	Benzo[g,h,i]perylene	0.886	0.881	0.6	94	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 13

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	1.04	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.73	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR29\
Data File : F1703291605.d
Acq On : 29 Mar 2016 2:03 pm
Operator : PAH17:ML
Sample : WG878844-11
Misc : WG878844,MSAI31
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 29 17:33:20 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR29\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 17:32:55 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.177	152	445131	5.000	ug/mL	0.00
21) Naphthalene-d8	5.323	136	1836154	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.008	164	907143	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.617	188	1672710	5.000	ug/mL	0.00
76) Chrysene-d12	13.533	240	1402545	5.000	ug/mL	0.01
85) Perylene-d12	16.668	264	1295889	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.122	112	1087333	9.788	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 48.94%			
8) Phenol-d5	3.864	99	1306444	9.395	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 46.98%			
22) Nitrobenzene-d5	4.668	82	1080336	9.792	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 48.96%			
43) 2-Fluorobiphenyl	6.368	172	2054935	9.818	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 49.09%			
65) 2,4,6-Tribromophenol	7.798	330	191594	11.564	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 57.82%			
79) Terphenyl-d14	11.337	244	1874157	9.787	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 48.94%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.203	74	606279	8.719	ug/mL#	67
3) Pyridine	2.193	79	1111874M4	8.708	ug/mL	
5) Benzaldehyde	0.000		0	N.D.		
6) Aniline	3.898	93	1540254M4	9.008	ug/ml	
7) bis(2-Chloroethyl)ether	3.955	63	704242	8.900	ug/mL#	80
9) Phenol	3.878	94	1384112	9.371	ug/mL	94
10) 2-Chlorophenol	3.994	128	1183529	9.731	ug/mL	92
11) 1,3-Dichlorobenzene	4.124	146	1199925	9.911	ug/mL	99
12) 1,4-Dichlorobenzene	4.191	146	1209088	9.969	ug/mL	99
13) 1,2-Dichlorobenzene	4.321	146	1148412	10.074	ug/mL	99
14) Benzyl alcohol	4.302	108	780729	9.712	ug/mL	94
15) bis(2-chloroisopropyl)eth	4.422	45	1360214	8.877	ug/mL#	86
16) 2-Methylphenol	4.398	108	971226	9.633	ug/mL	100
17) Acetophenone	0.000		0	N.D. d		
18) Hexachloroethane	4.615	117	496104	9.925	ug/mL	95
19) N-Nitroso-di-n-propylamin	4.543	70	735060	9.111	ug/mL#	76
20) 4-Methylphenol	4.538	108	1018789	9.463	ug/mL	99
23) Nitrobenzene	4.687	77	1136967	9.822	ug/mL	93

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR29\
Data File : F1703291605.d
Acq On : 29 Mar 2016 2:03 pm
Operator : PAH17:ML
Sample : WG878844-11
Misc : WG878844,MSAI31
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 29 17:33:20 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR29\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 17:32:55 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	4.909	82	1794719	9.410	ug/mL	99
25) 2-Nitrophenol	4.976	139	643624	11.075	ug/mL	92
26) 2,4-Dimethylphenol	5.019	107	941642	9.317	ug/mL	99
27) Benzoic acid	5.125	105	655892M4	10.423	ug/mL	
28) bis(2-Chloroethoxy)methan	5.111	93	1252374	9.347	ug/mL	98
29) 2,4-Dichlorophenol	5.198	162	914972	10.256	ug/mL	99
30) 1,2,4-Trichlorobenzene	5.275	180	958748	10.233	ug/mL	100
31) Naphthalene	5.347	128	3132645	9.846	ug/mL	100
32) 2-Chloroaniline	4.942	127	1598216	9.652	ug/ml	99
33) 4-Chloroaniline	5.405	127	1382047	9.739	ug/mL	99
34) Hexachlorobutadiene	5.467	225	464294	10.481	ug/mL	99
35) Caprolactam	0.000		0	N.D.		
36) 4-Chloro-3-methylphenol	5.872	107	967362	9.781	ug/mL	100
37) 2-Methylnaphthalene	6.007	142	2031008	9.757	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.166	216	774048	10.113	ug/mL	100
40) Hexachlorocyclopentadiene	6.156	237	326452	11.092	ug/mL	99
41) 2,4,6-Trichlorophenol	6.281	196	630964	10.506	ug/mL	98
42) 2,4,5-Trichlorophenol	6.310	196	610505	10.588	ug/mL	100
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	6.474	162	1949547	9.732	ug/mL	99
46) 2-Nitroaniline	6.580	65	569948	9.959	ug/mL	86
47) Acenaphthylene	6.873	152	3100237	9.587	ug/mL	100
48) Dimethylphthalate	6.772	163	2151370	9.700	ug/mL	99
49) 2,6-Dinitrotoluene	6.825	165	515799	10.653	ug/mL	96
50) Acenaphthene	7.042	153	1979086	9.534	ug/mL	98
51) 3-Nitroaniline	6.984	138	595260	10.524	ug/mL	99
52) 2,4-Dinitrophenol	7.090	184	293334	11.951	ug/mL#	87
53) Dibenzofuran	7.210	168	2438985	9.602	ug/mL	100
54) 2,3,4,6-Tetrachlorophenol	7.336	232	405366	11.361		100
55) 2,4-Dinitrotoluene	7.215	165	660801	11.335	ug/mL#	79
56) 4-Nitrophenol	7.162	109	299403	10.755	ug/mL	94
57) Fluorene	7.548	166	2109522	9.831	ug/mL	97
58) 4-Chlorophenyl-phenylethe	7.557	204	956208	10.131	ug/mL	98
59) Diethylphthalate	7.466	149	2153673	9.398	ug/mL	98
60) 4-Nitroaniline	7.581	138	638500	10.490	ug/mL	93
62) 4,6-Dinitro-2-methylpheno	7.620	198	411787	10.741	ug/mL#	100
63) Azobenzene	7.726	182	650746	9.563	ug/mL	90
64) n-Nitrosodiphenylamine	7.687	169	1549219	9.562	ug/mL	99
66) 4-Bromophenyl-phenylether	8.087	248	509054	10.151	ug/mL	98
67) Hexachlorobenzene	8.140	284	499365	10.367	ug/mL	100
68) Atrazine	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR29\
Data File : F1703291605.d
Acq On : 29 Mar 2016 2:03 pm
Operator : PAH17:ML
Sample : WG878844-11
Misc : WG878844,MSAI31
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 29 17:33:20 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR29\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 17:32:55 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	8.385	266	376304	11.123	ug/mL	98
70) Pentachloronitrobenzene	8.400	237	215931	11.428	ug/ml	99
71) Phenanthrene	8.650	178	3139007	9.591	ug/mL	100
72) Anthracene	8.718	178	3207987	9.569	ug/mL	98
73) Carbazole	8.958	167	2952502	9.344	ug/mL	99
74) Di-n-butylphthalate	9.556	149	3572380	9.502	ug/mL	99
75) Fluoranthene	10.519	202	3260529	9.741	ug/mL	99
77) Benzidine	0.000		0	N.D.		
78) Pyrene	10.928	202	3339724	9.574	ug/mL	99
80) Butylbenzylphthalate	12.498	149	1635582	9.436	ug/mL	97
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	13.514	228	2812010	9.599	ug/mL	100
83) Chrysene	13.591	228	2744454	9.609	ug/mL	99
84) bis(2-Ethylhexyl)phthalat	13.957	149	2166717	9.413	ug/mL	96
86) Di-n-octylphthalate	15.502	149	3773626	9.558	ug/mL	100
87) Benzo[b]fluoranthene	15.921	252	2686780	9.819	ug/mL	100
88) Benzo[k]fluoranthene	15.984	252	2592359	9.986	ug/mL	100
89) Benzo[a]pyrene	16.562	252	2545683	9.861	ug/mL	100
90) Indeno[1,2,3-cd]pyrene	18.522	276	2223600	9.841	ug/mL	99
91) Dibenz[a,h]anthracene	18.584	278	2149557	9.633	ug/mL	97
92) Benzo[g,h,i]perylene	18.912	276	2284008	9.949	ug/mL	100

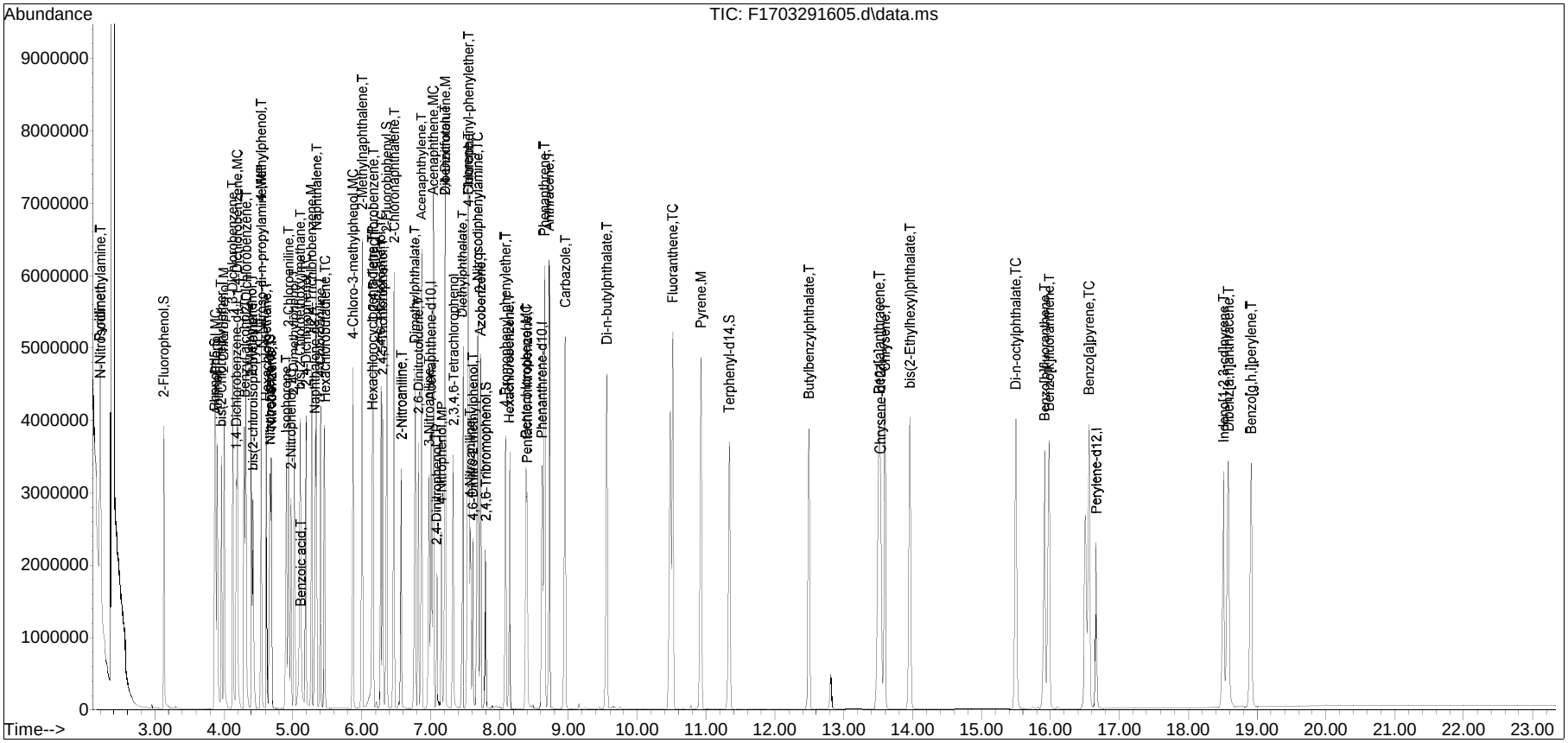
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR29\
Data File : F1703291605.d
Acq On : 29 Mar 2016 2:03 pm
Operator : PAH17:ML
Sample : WG878844-11
Misc : WG878844,MSAI31
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 29 17:33:20 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR29\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 17:32:55 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR29\
Data File : F1703291606.d
Acq On : 29 Mar 2016 2:32 pm
Operator : PAH17:ML
Sample : WG878844-12
Misc : WG878844,MSAI22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 29 17:33:06 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR29\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 17:32:55 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
2	T	N-Nitrosodimethylamine	0.781	0.000	100.0#	0#	-2.20#
3	t	Pyridine	1.434	0.000	100.0#	0#	-2.19#
4	S	2-Fluorophenol	1.248	0.000	100.0#	0#	-3.12#
5	T	Benzaldehyde	1.040	0.990	4.8	83	0.00
6	T	Aniline	1.921	0.000	100.0#	0#	-3.90#
7	T	bis(2-Chloroethyl)ether	0.889	0.000	100.0#	0#	-3.96#
8	S	Phenol-d5	1.562	0.000	100.0#	0#	-3.86#
9	MC	Phenol	1.659	0.000	100.0#	0#	-3.88#
10	M	2-Chlorophenol	1.366	0.000	100.0#	0#	-3.99#
11	T	1,3-Dichlorobenzene	1.360	0.000	100.0#	0#	-4.12#
12	MC	1,4-Dichlorobenzene	1.362	0.000	100.0#	0#	-4.19#
13	T	1,2-Dichlorobenzene	1.280	0.000	100.0#	0#	-4.32#
14	T	Benzyl alcohol	0.903	0.000	100.0#	0#	-4.30#
15	T	bis(2-chloroisopropyl)ether	1.721	0.000	100.0#	0#	-4.42#
16	T	2-Methylphenol	1.133	0.000	100.0#	0#	-4.40#
17	T	Acetophenone	1.748	1.655	5.3	83	0.00
18	T	Hexachloroethane	0.561	0.000	100.0#	0#	-4.62#
19	MP	N-Nitroso-di-n-propylamine	0.906	0.000	100.0#	0#	-4.54#
20	T	4-Methylphenol	1.209	0.000	100.0#	0#	-4.54#
21	I	Naphthalene-d8	1.000	1.000	0.0	84	0.00
22	S	Nitrobenzene-d5	0.300	0.000	100.0#	0#	-4.67#
23	T	Nitrobenzene	0.315	0.000	100.0#	0#	-4.69#
24	T	Isophorone	0.519	0.000	100.0#	0#	-4.91#
25	TC	2-Nitrophenol	0.158	0.000	100.0#	0#	-4.98#
26	T	2,4-Dimethylphenol	0.275	0.000	100.0#	0#	-5.02#
27	T	Benzoic acid	* 10.000	0.000	100.0#	0	-5.13#
28	T	bis(2-Chloroethoxy)methane	0.365	0.000	100.0#	0#	-5.11#
29	TC	2,4-Dichlorophenol	0.243	0.000	100.0#	0#	-5.20#
30	M	1,2,4-Trichlorobenzene	0.255	0.000	100.0#	0#	-5.27#
31	T	Naphthalene	0.866	0.000	100.0#	0#	-5.35#
32	T	2-Chloroaniline	0.451	0.000	100.0#	0#	-4.94#
33	T	4-Chloroaniline	0.386	0.000	100.0#	0#	-5.40#
34	TC	Hexachlorobutadiene	0.121	0.000	100.0#	0#	-5.47#
35	T	Caprolactam	0.104	0.101	2.9	76	0.00
36	MC	4-Chloro-3-methylphenol	0.269	0.000	100.0#	0#	-5.87#
37	T	2-Methylnaphthalene	0.567	0.000	100.0#	0#	-6.01#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR29\
Data File : F1703291606.d
Acq On : 29 Mar 2016 2:32 pm
Operator : PAH17:ML
Sample : WG878844-12
Misc : WG878844,MSAI22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 29 17:33:06 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR29\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 17:32:55 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
38	I	Acenaphthene-d10		1.000	1.000	0.0	85	0.00
39	T	1,2,4,5-Tetrachlorobenzene		0.422	0.000	100.0#	0#	-6.17#
40	TP	Hexachlorocyclopentadiene	*	10.000	0.000	100.0#	0	-6.16#
41	TC	2,4,6-Trichlorophenol		0.331	0.000	100.0#	0#	-6.28#
42	T	2,4,5-Trichlorophenol		0.318	0.000	100.0#	0#	-6.31#
43	S	2-Fluorobiphenyl		1.154	0.000	100.0#	0#	-6.37#
44	T	Biphenyl		1.442	1.367	5.2	83	0.00
45	T	2-Chloronaphthalene		1.104	0.000	100.0#	0#	-6.47#
46	T	2-Nitroaniline		0.315	0.000	100.0#	0#	-6.58#
47	T	Acenaphthylene		1.782	0.000	100.0#	0#	-6.87#
48	T	Dimethylphthalate		1.222	0.000	100.0#	0#	-6.77#
49	T	2,6-Dinitrotoluene		0.267	0.000	100.0#	0#	-6.83#
50	MC	Acenaphthene		1.144	0.000	100.0#	0#	-7.04#
51	T	3-Nitroaniline		0.312	0.000	100.0#	0#	-6.98#
52	TP	2,4-Dinitrophenol	*	10.000	0.000	100.0#	0	-7.09#
53	T	Dibenzofuran		1.400	0.000	100.0#	0#	-7.21#
54		2,3,4,6-Tetrachlorophenol		0.197	0.000	100.0#	0#	-7.34#
55	M	2,4-Dinitrotoluene		0.321	0.000	100.0#	0#	-7.22#
56	MP	4-Nitrophenol		0.153	0.000	100.0#	0#	-7.16#
57	T	Fluorene		1.183	0.000	100.0#	0#	-7.55#
58	T	4-Chlorophenyl-phenylether		0.520	0.000	100.0#	0#	-7.56#
59	T	Diethylphthalate		1.263	0.000	100.0#	0#	-7.47#
60	T	4-Nitroaniline		0.335	0.000	100.0#	0#	-7.58#
61	I	Phenanthrene-d10		1.000	1.000	0.0	85	0.00
62	T	4,6-Dinitro-2-methylphenol	*	10.000	0.000	100.0#	0	-7.62#
63	T	Azobenzene		0.203	0.000	100.0#	0#	-7.73#
64	TC	n-Nitrosodiphenylamine		0.484	0.000	100.0#	0#	-7.69#
65	S	2,4,6-Tribromophenol		0.050	0.000	100.0#	0#	-7.80#
66	T	4-Bromophenyl-phenylether		0.150	0.000	100.0#	0#	-8.09#
67	T	Hexachlorobenzene		0.144	0.000	100.0#	0#	-8.14#
68	T	Atrazine		0.184	0.180	2.2	81	0.00
69	MC	Pentachlorophenol	*	10.000	0.000	100.0#	0	-8.39#
70	T	Pentachloronitrobenzene		0.056	0.000	100.0#	0#	-8.40#
71	T	Phenanthrene		0.978	0.000	100.0#	0#	-8.65#
72	T	Anthracene		1.002	0.000	100.0#	0#	-8.72#
73	T	Carbazole		0.944	0.000	100.0#	0#	-8.96#
74	T	Di-n-butylphthalate		1.124	0.000	100.0#	0#	-9.56#
75	TC	Fluoranthene		1.001	0.000	100.0#	0#	-10.52#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR29\
Data File : F1703291606.d
Acq On : 29 Mar 2016 2:32 pm
Operator : PAH17:ML
Sample : WG878844-12
Misc : WG878844,MSAI22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 29 17:33:06 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR29\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 17:32:55 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
76	I	Chrysene-d12	1.000	1.000	0.0	87	0.00
77	T	Benzidine	0.832	0.845	-1.6	77	0.00
78	M	Pyrene	1.244	0.000	100.0#	0#	-10.93#
79	S	Terphenyl-d14	0.683	0.000	100.0#	0#	-11.34#
80	T	Butylbenzylphthalate	0.618	0.000	100.0#	0#	-12.50#
81	T	3,3'-Dichlorobenzidine	0.357	0.355	0.6	79	0.00
82	T	Benz[a]anthracene	1.044	0.000	100.0#	0#	-13.51#
83	T	Chrysene	1.018	0.000	100.0#	0#	-13.59#
84	T	bis(2-Ethylhexyl)phthalate	0.821	0.000	100.0#	0#	-13.96#
85	I	Perylene-d12	1.000	1.000	0.0	85	0.00
86	TC	Di-n-octylphthalate	1.523	0.000	100.0#	0#	-15.50#
87	T	Benzo[b]fluoranthene	1.056	0.000	100.0#	0#	-15.92#
88	T	Benzo[k]fluoranthene	1.002	0.000	100.0#	0#	-15.98#
89	TC	Benzo[a]pyrene	0.996	0.000	100.0#	0#	-16.56#
90	T	Indeno[1,2,3-cd]pyrene	0.872	0.000	100.0#	0#	-18.52#
91	T	Dibenz[a,h]anthracene	0.861	0.000	100.0#	0#	-18.58#
92	T	Benzo[g,h,i]perylene	0.886	0.000	100.0#	0#	-18.91#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 13

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR29\
Data File : F1703291606.d
Acq On : 29 Mar 2016 2:32 pm
Operator : PAH17:ML
Sample : WG878844-12
Misc : WG878844,MSAI22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 29 17:33:06 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR29\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 17:32:55 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.177	152	425544	5.000	ug/mL	0.00
21) Naphthalene-d8	5.323	136	1674662	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.008	164	818905	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.617	188	1503779	5.000	ug/mL	0.00
76) Chrysene-d12	13.519	240	1266756	5.000	ug/mL	0.00
85) Perylene-d12	16.658	264	1159568	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D. d		
3) Pyridine	0.000		0	N.D. d		
5) Benzaldehyde	3.820	77	842684	9.520	ug/ml	97
6) Aniline	0.000		0	N.D. d		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D. d		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	4.538	105	1408682	9.467	ug/ml	97
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D. d		
20) 4-Methylphenol	0.000		0	N.D. d		
23) Nitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR29\
Data File : F1703291606.d
Acq On : 29 Mar 2016 2:32 pm
Operator : PAH17:ML
Sample : WG878844-12
Misc : WG878844,MSAI22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 29 17:33:06 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR29\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 17:32:55 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D. d		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D. d		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D. d		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	5.718	113	337894	9.675	ug/ml	99
36) 4-Chloro-3-methylphenol	0.000		0	N.D. d		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	6.459	154	2238414	9.477	ug/ml	99
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D. d		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D. d		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D. d		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D. d		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	8.308	200	541906	9.782	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR29\
Data File : F1703291606.d
Acq On : 29 Mar 2016 2:32 pm
Operator : PAH17:ML
Sample : WG878844-12
Misc : WG878844,MSAI22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 29 17:33:06 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR29\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 17:32:55 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.	d	
72) Anthracene	0.000		0	N.D.	d	
73) Carbazole	0.000		0	N.D.	d	
74) Di-n-butylphthalate	0.000		0	N.D.	d	
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	10.841	184	2139888	10.147	ug/mL	99
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.	d	
81) 3,3'-Dichlorobenzidine	13.567	252	898343	9.939	ug/mL	98
82) Benz[a]anthracene	0.000		0	N.D.	d	
83) Chrysene	0.000		0	N.D.	d	
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.	d	
86) Di-n-octylphthalate	0.000		0	N.D.	d	
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D.	d	
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
91) Dibenz[a,h]anthracene	0.000		0	N.D.	d	
92) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

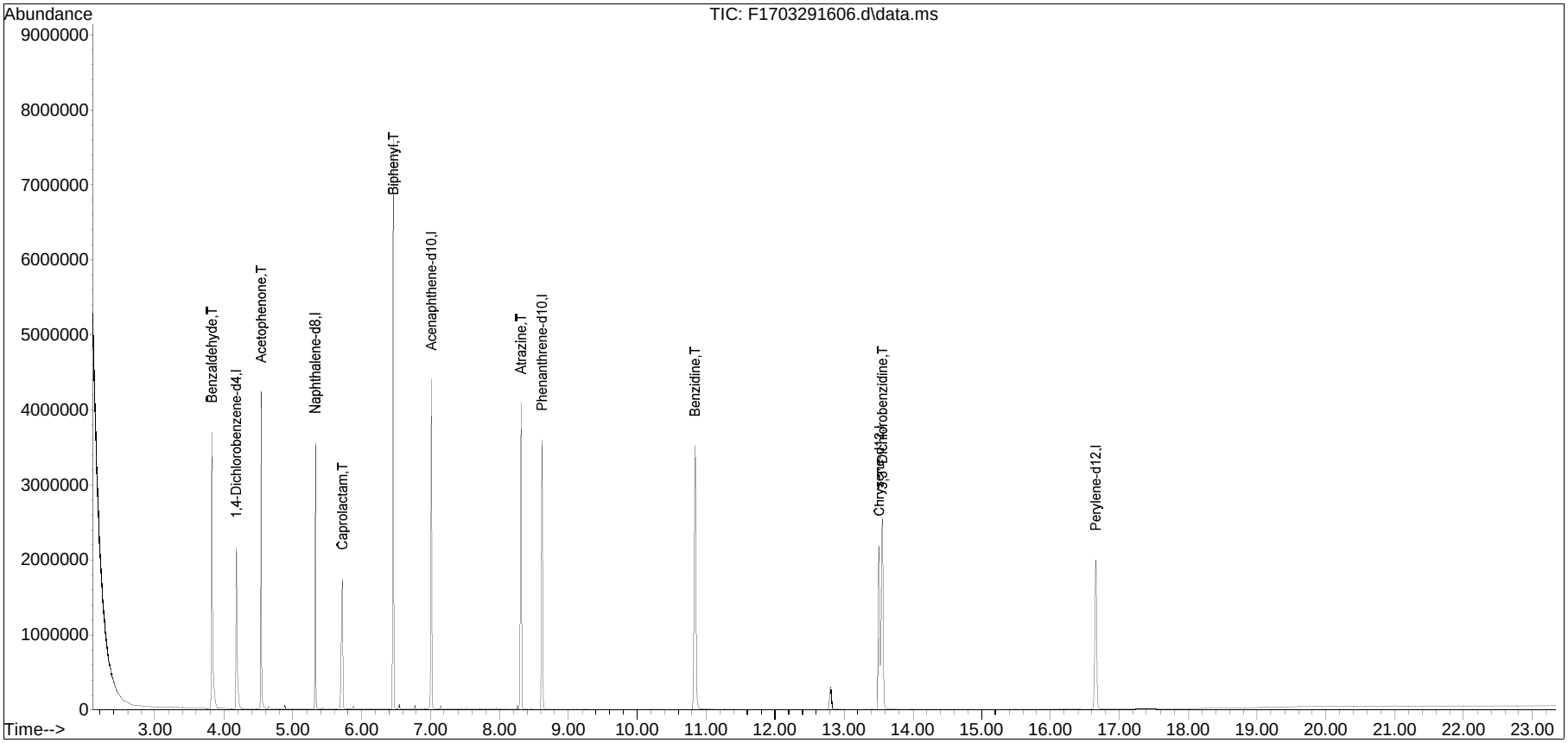
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR29\
Data File : F1703291606.d
Acq On : 29 Mar 2016 2:32 pm
Operator : PAH17:ML
Sample : WG878844-12
Misc : WG878844,MSAI22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 29 17:33:06 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR29\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 17:32:55 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR29\
Data File : F1703291608.d
Acq On : 29 Mar 2016 4:08 pm
Operator : PAH17:ML
Sample : L1607846-01
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 16:50:38 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR29\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 17:32:55 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.177	152	395041	5.000	ug/mL	0.00
21) Naphthalene-d8	5.323	136	1544376	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.008	164	744039	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.617	188	1350441	5.000	ug/mL	0.00
76) Chrysene-d12	13.518	240	1115774	5.000	ug/mL	0.00
85) Perylene-d12	16.658	264	999654	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.132	112	853132	8.653	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 43.27%			
8) Phenol-d5	3.869	99	761938	6.174	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 30.87%			
22) Nitrobenzene-d5	4.668	82	1474574	15.891	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 79.45%			
43) 2-Fluorobiphenyl	6.368	172	2806130	16.345	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 81.72%			
65) 2,4,6-Tribromophenol	7.798	330	288403	21.561	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 107.80%			
79) Terphenyl-d14	11.342	244	2874878	18.871	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 94.35%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.	d	
3) Pyridine	0.000		0	N.D.	d	
5) Benzaldehyde	0.000		0	N.D.		
6) Aniline	0.000		0	N.D.	d	
7) bis(2-Chloroethyl)ether	0.000		0	N.D.	d	
9) Phenol	0.000		0	N.D.	d	
10) 2-Chlorophenol	0.000		0	N.D.	d	
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.	d	
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D.	d	
17) Acetophenone	4.533	105	110351	0.799	ug/ml	98
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.	d	

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR29\
Data File : F1703291608.d
Acq On : 29 Mar 2016 4:08 pm
Operator : PAH17:ML
Sample : L1607846-01
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 16:50:38 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR29\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 17:32:55 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	0.000		0	N.D.		
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.	d	
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.	d	
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	0.000		0	N.D.		
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.	d	
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.	d	
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	7.456	149	3192	0.017	ug/mL#	92
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.	d	
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.	d	
77) Benzidine	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR29\
Data File : F1703291608.d
Acq On : 29 Mar 2016 4:08 pm
Operator : PAH17:ML
Sample : L1607846-01
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 16:50:38 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR29\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 17:32:55 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Butylbenzylphthalate	12.488	149	4467	0.032	ug/mL#	95
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	13.947	149	4466	0.024	ug/mL#	96
86) Di-n-octylphthalate	0.000		0	N.D. d		

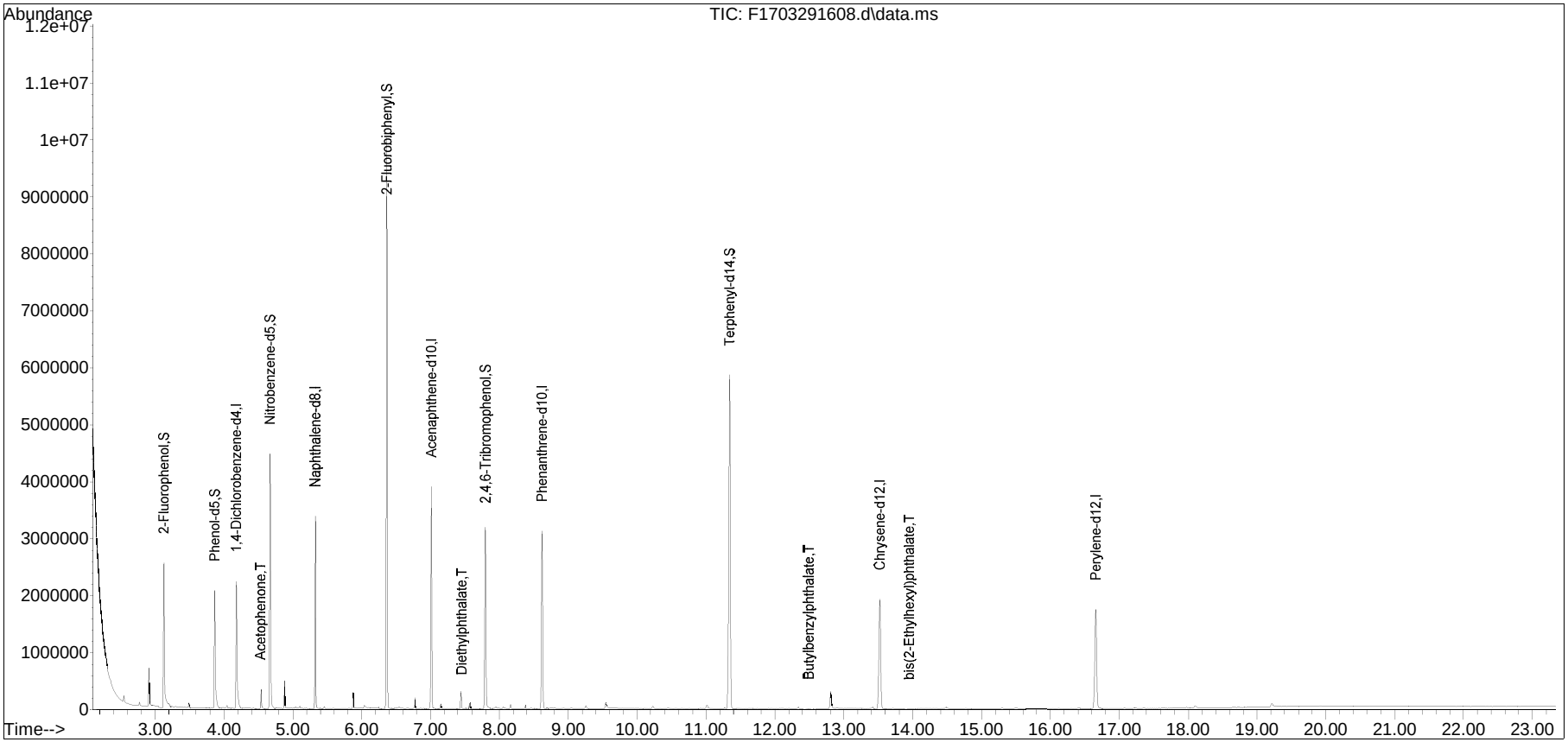
(#) = qualifier out of range (m) = manual integration (+) = signals summed

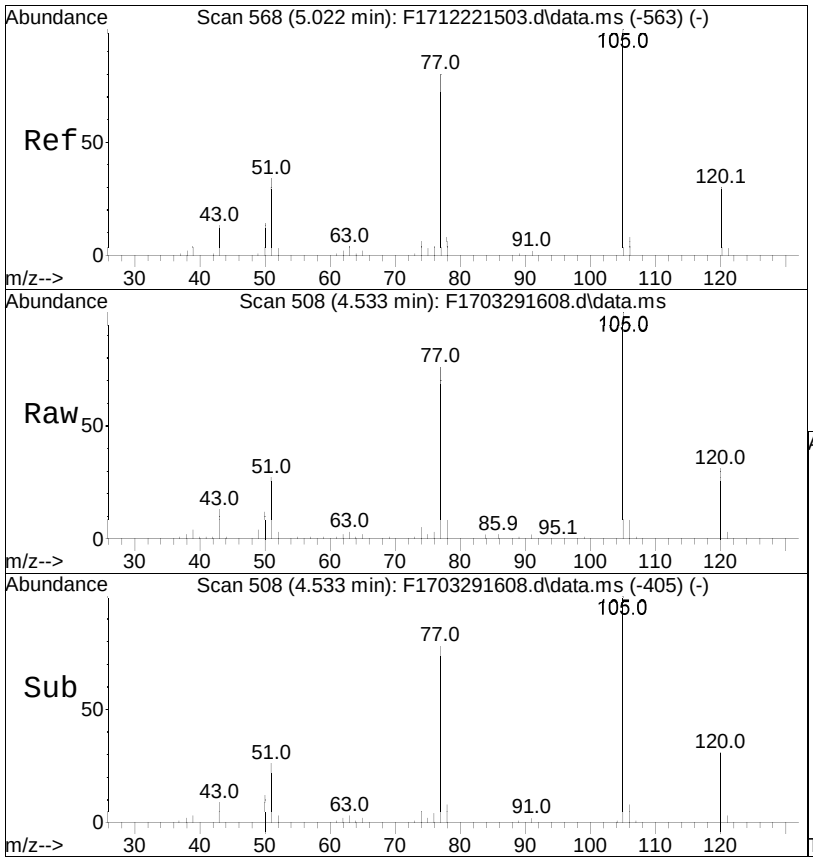
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR29\
Data File : F1703291608.d
Acq On : 29 Mar 2016 4:08 pm
Operator : PAH17:ML
Sample : L1607846-01
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 16:50:38 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR29\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 17:32:55 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

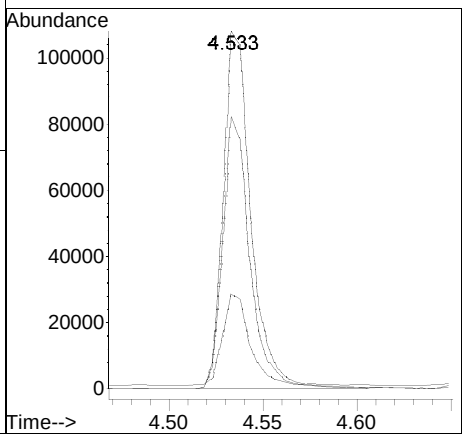


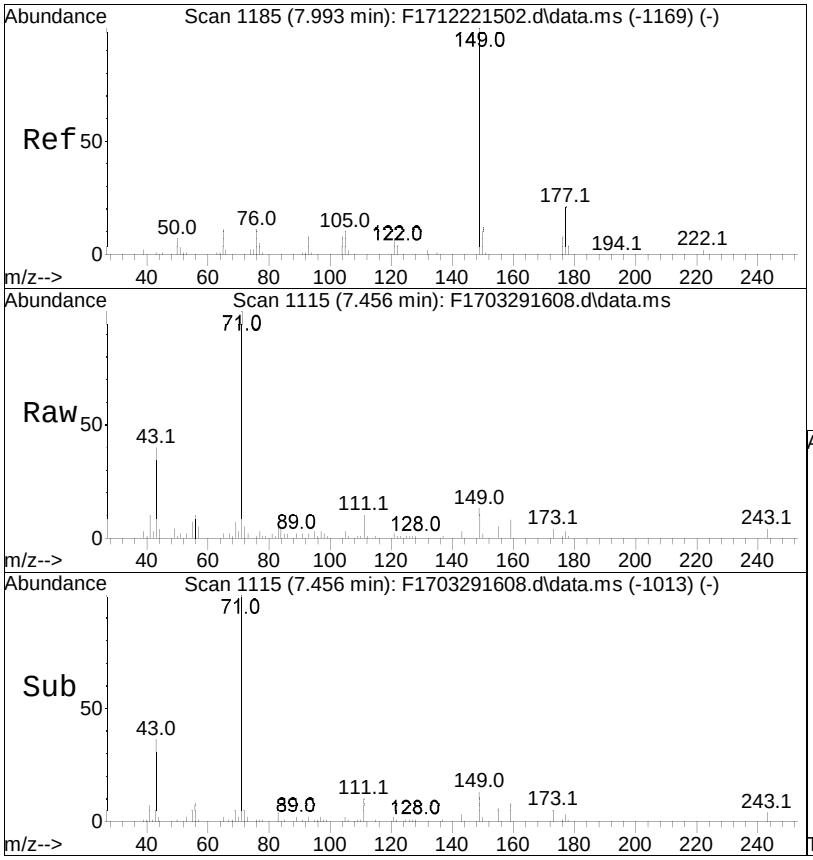


#17
Acetophenone
Concen: 0.80 ug/ml
RT: 4.533 min Scan# 508
Delta R.T. -0.005 min
Lab File: F1703291608.d
Acq: 29 Mar 2016 4:08 pm

Tgt Ion:105 Resp: 110351

Ion	Ratio	Lower	Upper
105	100		
77	73.8	61.0	91.6
51	24.8	20.3	30.5

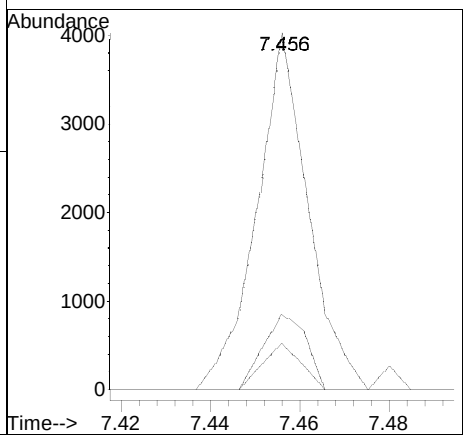


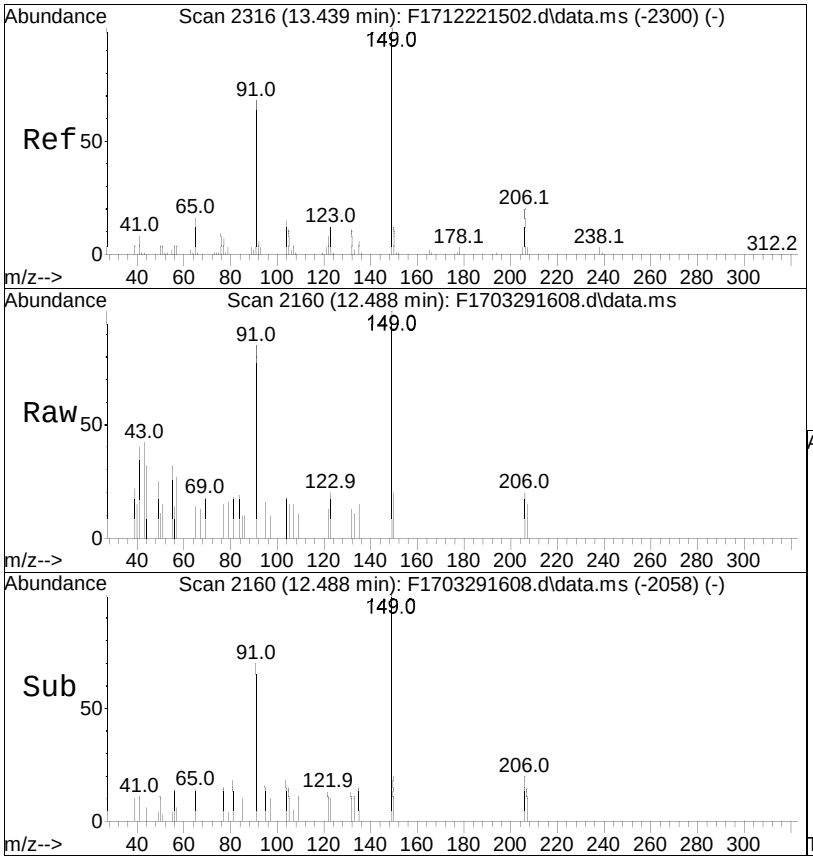


#59
Diethylphthalate
Concen: 0.02 ug/mL
RT: 7.456 min Scan# 1115
Delta R.T. -0.010 min
Lab File: F1703291608.d
Acq: 29 Mar 2016 4:08 pm

Tgt Ion:149 Resp: 3192

Ion	Ratio	Lower	Upper
149	100		
177	17.7	17.8	26.8#
150	9.7	9.8	14.6#

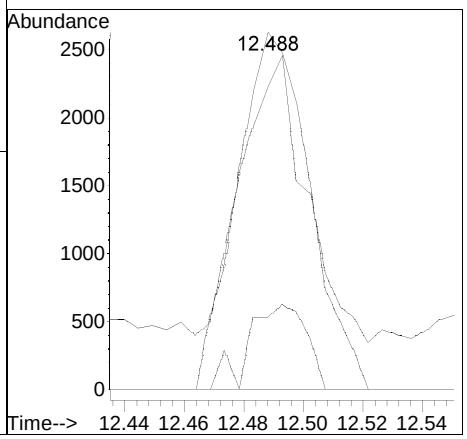


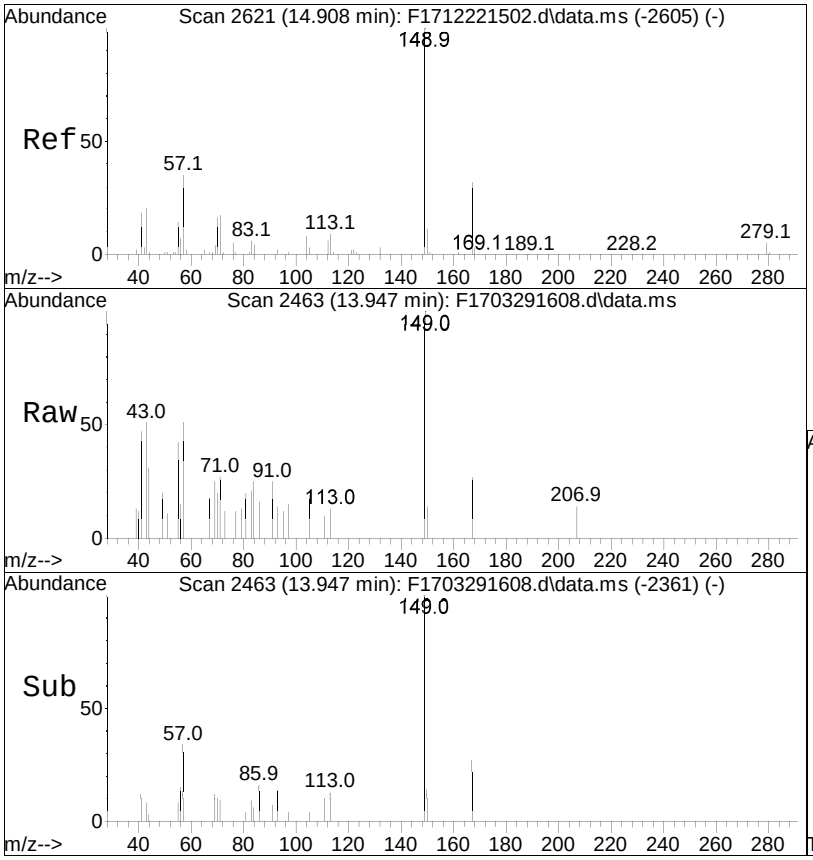


#80
Butylbenzylphthalate
Concen: 0.03 ug/mL
RT: 12.488 min Scan# 2160
Delta R.T. -0.010 min
Lab File: F1703291608.d
Acq: 29 Mar 2016 4:08 pm

Tgt Ion:149 Resp: 4467

Ion	Ratio	Lower	Upper
149	100		
91	70.1	58.2	87.4
206	17.1	17.7	26.5#

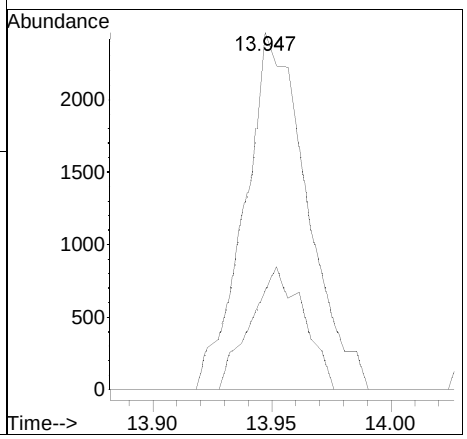




#84
bis(2-Ethylhexyl)phthalate
Concen: 0.02 ug/mL
RT: 13.947 min Scan# 2463
Delta R.T. -0.010 min
Lab File: F1703291608.d
Acq: 29 Mar 2016 4:08 pm

Tgt Ion:149 Resp: 4466

Ion	Ratio	Lower	Upper
149	100		
167	29.1	24.3	36.5
279	0.0	4.2	6.2#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR29\
Data File : F1703291610.d
Acq On : 29 Mar 2016 5:07 pm
Operator : PAH17:ML
Sample : L1607846-09
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 30 16:52:34 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR29\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 17:32:55 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.177	152	434279	5.000	ug/mL	0.00
21) Naphthalene-d8	5.323	136	1744765	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.008	164	846218	5.000	ug/mL	0.00
61) Phenanthrene-d10	8.612	188	1567287	5.000	ug/mL	0.00
76) Chrysene-d12	13.518	240	1352804	5.000	ug/mL	0.00
85) Perylene-d12	16.658	264	1222792	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.127	112	825669	7.618	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 38.09%			
8) Phenol-d5	3.859	99	717131	5.286	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 26.43%			
22) Nitrobenzene-d5	4.663	82	1648729	15.727	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 78.64%			
43) 2-Fluorobiphenyl	6.363	172	3141835	16.091	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 80.46%			
65) 2,4,6-Tribromophenol	7.793	330	323674	20.850	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 104.25%			
79) Terphenyl-d14	11.342	244	3533197	19.129	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 95.64%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.	d	
3) Pyridine	0.000		0	N.D.	d	
5) Benzaldehyde	0.000		0	N.D.		
6) Aniline	0.000		0	N.D.	d	
7) bis(2-Chloroethyl)ether	0.000		0	N.D.	d	
9) Phenol	0.000		0	N.D.	d	
10) 2-Chlorophenol	0.000		0	N.D.	d	
11) 1,3-Dichlorobenzene	0.000		0	N.D.	d	
12) 1,4-Dichlorobenzene	0.000		0	N.D.	d	
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.	d	
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.	d	
16) 2-Methylphenol	0.000		0	N.D.	d	
17) Acetophenone	4.533	105	11209	0.074	ug/ml	98
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR29\
Data File : F1703291610.d
Acq On : 29 Mar 2016 5:07 pm
Operator : PAH17:ML
Sample : L1607846-09
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 30 16:52:34 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR29\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 17:32:55 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.	d	
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.	d	
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.	d	
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.	d	
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	7.456	149	6027	0.028	ug/mL	96
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.	d	
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.	d	
74) Di-n-butylphthalate	0.000		0	N.D.	d	
77) Benzidine	0.000		0	N.D.		

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR29\
Data File : F1703291610.d
Acq On : 29 Mar 2016 5:07 pm
Operator : PAH17:ML
Sample : L1607846-09
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 30 16:52:34 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR29\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 17:32:55 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Butylbenzylphthalate	12.488	149	7214	0.043	ug/mL	93
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	13.952	149	7089	0.032	ug/mL#	82
86) Di-n-octylphthalate	0.000		0	N.D.	d	

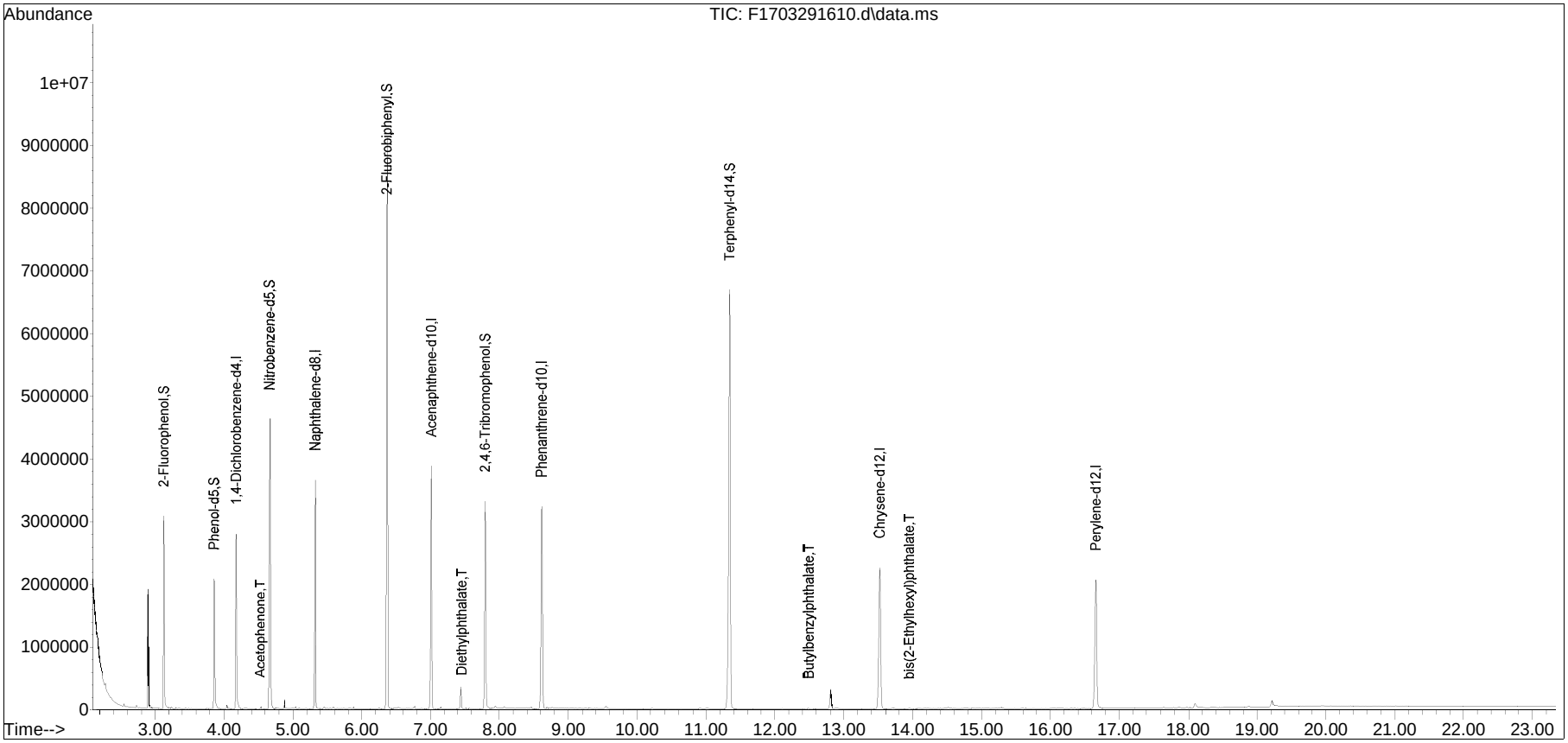
(#) = qualifier out of range (m) = manual integration (+) = signals summed

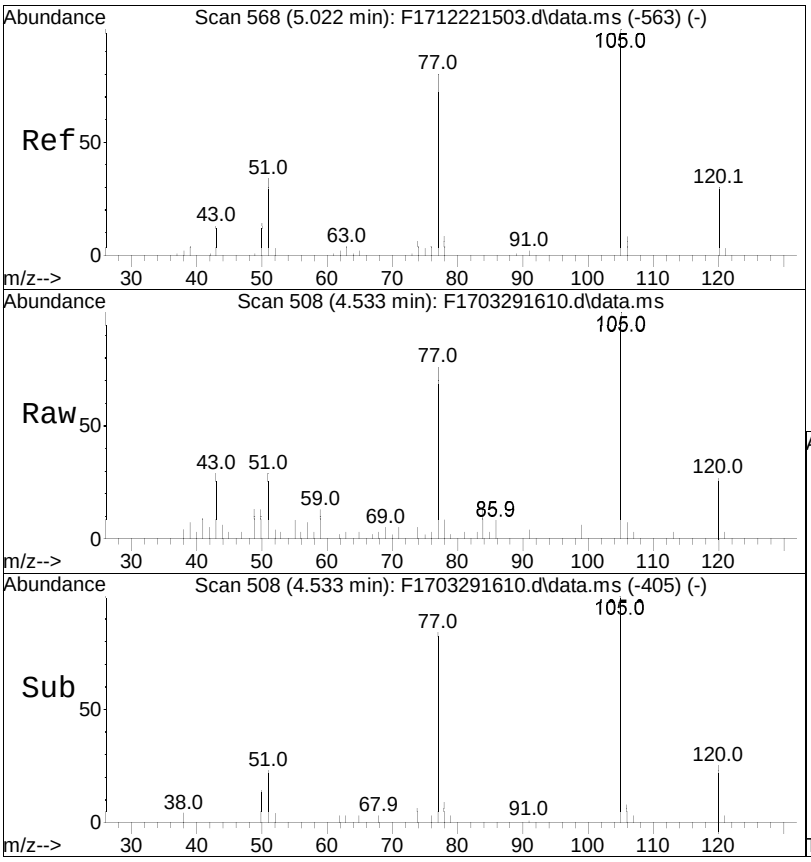
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH17\2016\MAR\MAR29\
Data File : F1703291610.d
Acq On : 29 Mar 2016 5:07 pm
Operator : PAH17:ML
Sample : L1607846-09
Misc : WG878844,WG876532,ICAL12195
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 30 16:52:34 2016
Quant Method : O:\Organics\DATA\PAH17\2016\MAR\MAR29\SV0325PAH17.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 29 17:32:55 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

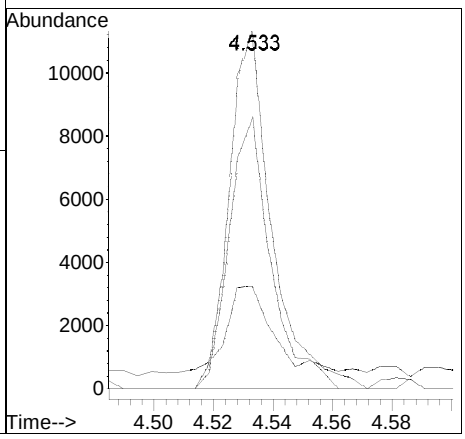


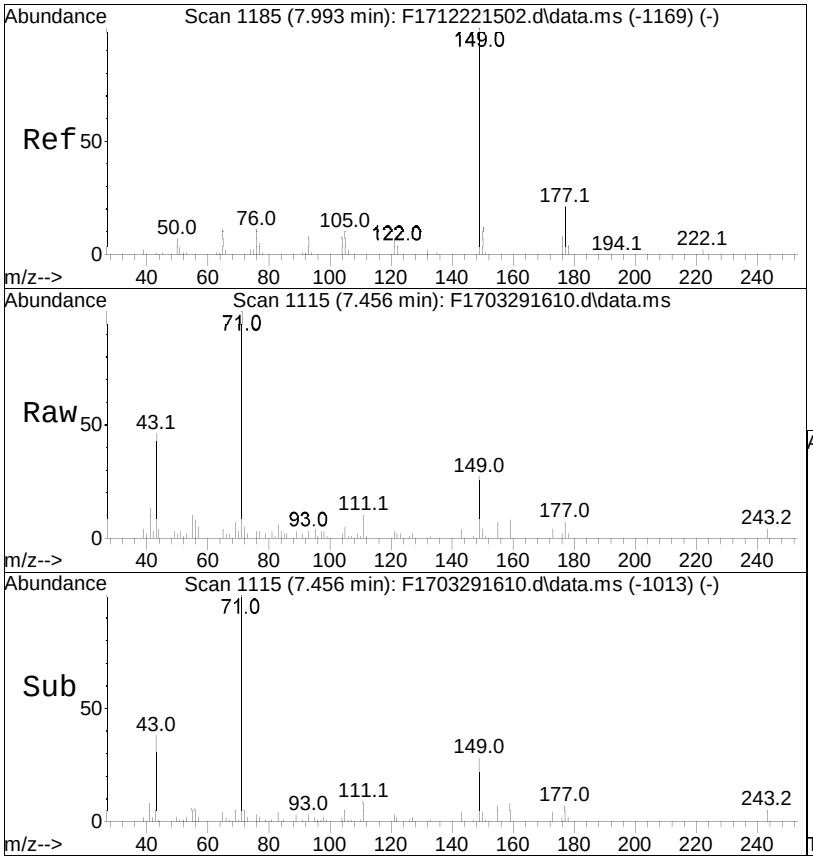


#17
Acetophenone
Concen: 0.07 ug/ml
RT: 4.533 min Scan# 508
Delta R.T. -0.005 min
Lab File: F1703291610.d
Acq: 29 Mar 2016 5:07 pm

Tgt Ion:105 Resp: 11209

Ion	Ratio	Lower	Upper
105	100		
77	74.4	61.0	91.6
51	24.3	20.3	30.5

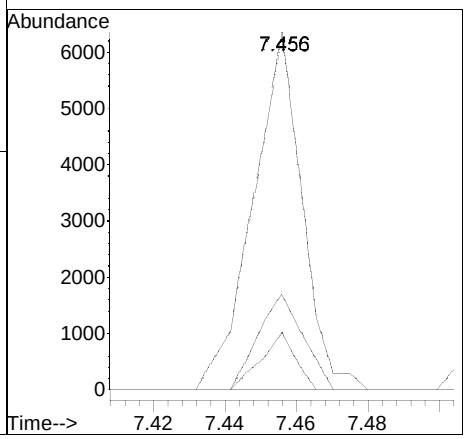


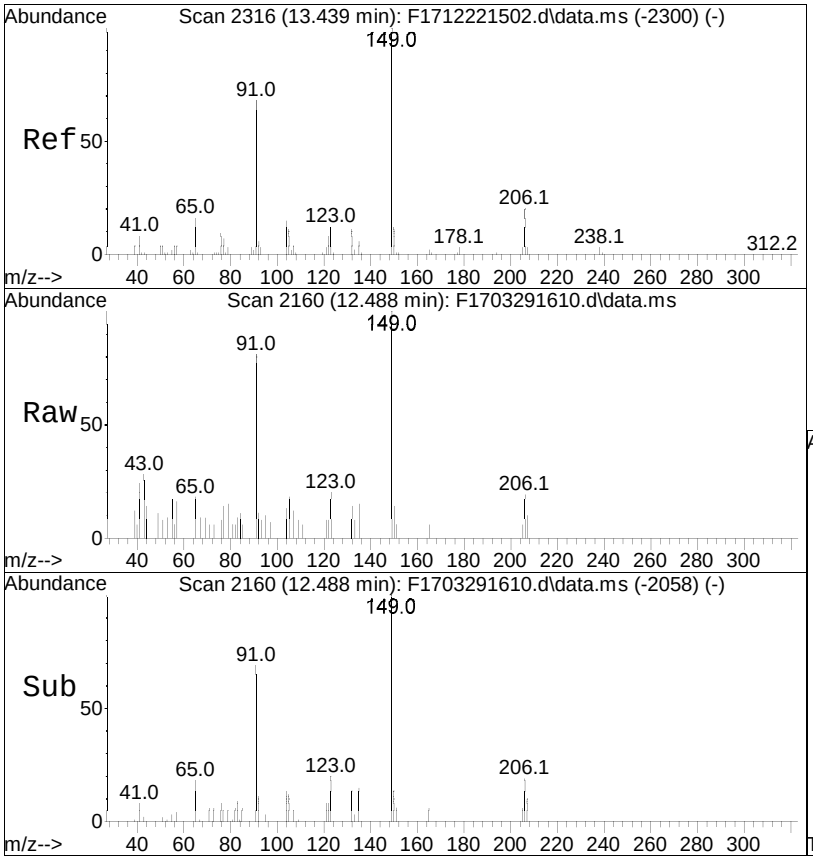


#59
Diethylphthalate
Concen: 0.03 ug/mL
RT: 7.456 min Scan# 1115
Delta R.T. -0.010 min
Lab File: F1703291610.d
Acq: 29 Mar 2016 5:07 pm

Tgt Ion:149 Resp: 6027

Ion	Ratio	Lower	Upper
149	100		
177	24.6	17.8	26.8
150	11.3	9.8	14.6

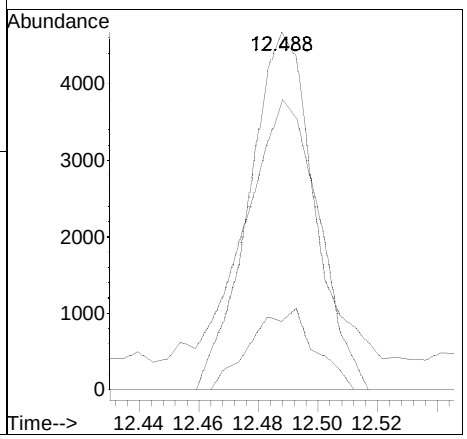


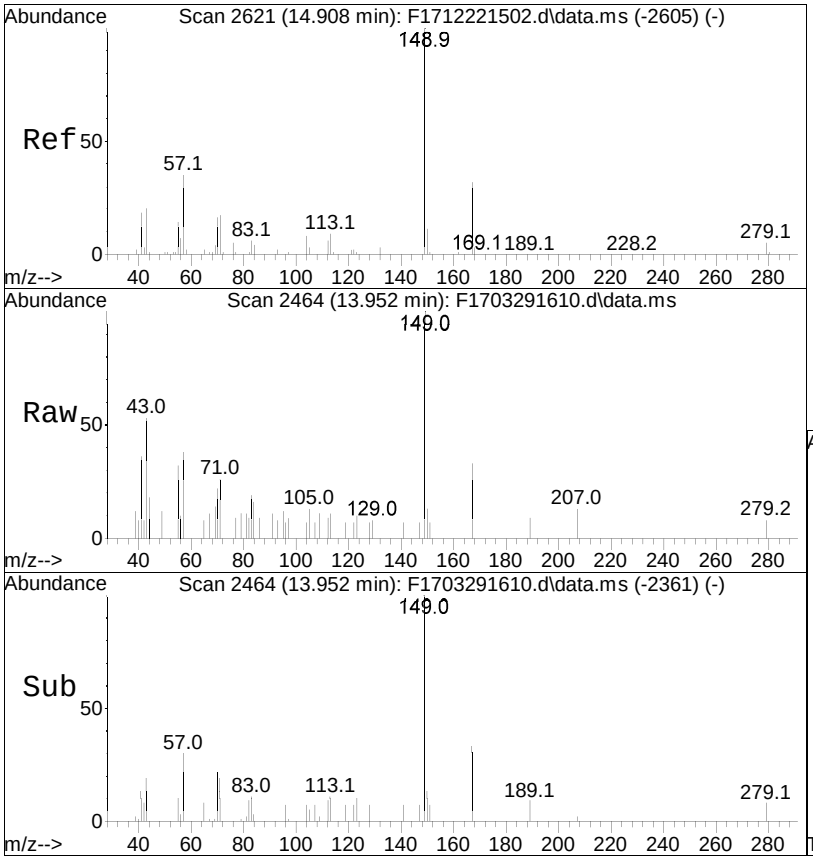


#80
Butylbenzylphthalate
Concen: 0.04 ug/mL
RT: 12.488 min Scan# 2160
Delta R.T. -0.010 min
Lab File: F1703291610.d
Acq: 29 Mar 2016 5:07 pm

Tgt Ion:149 Resp: 7214

Ion	Ratio	Lower	Upper
149	100		
91	80.0	58.2	87.4
206	21.9	17.7	26.5

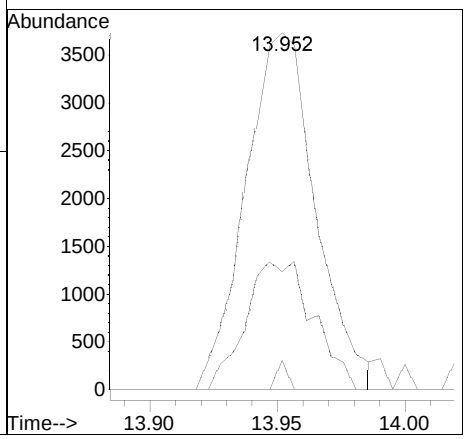




#84
bis(2-Ethylhexyl)phthalate
Concen: 0.03 ug/mL
RT: 13.952 min Scan# 2464
Delta R.T. -0.005 min
Lab File: F1703291610.d
Acq: 29 Mar 2016 5:07 pm

Tgt Ion:149 Resp: 7089

Ion	Ratio	Lower	Upper
149	100		
167	20.5	24.3	36.5#
279	0.0	4.2	6.2#



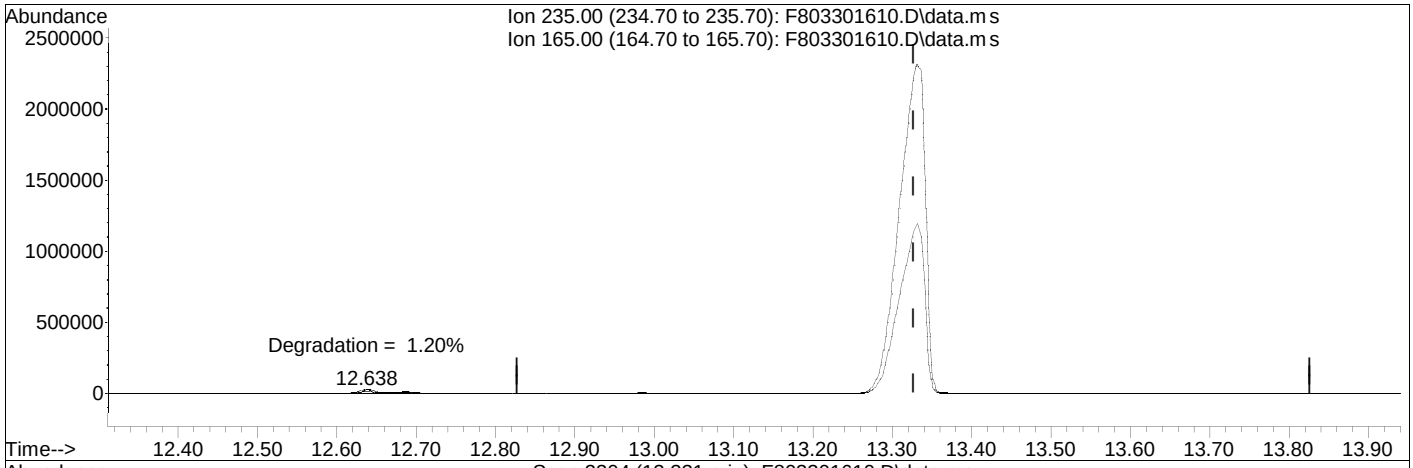
Analytical Event

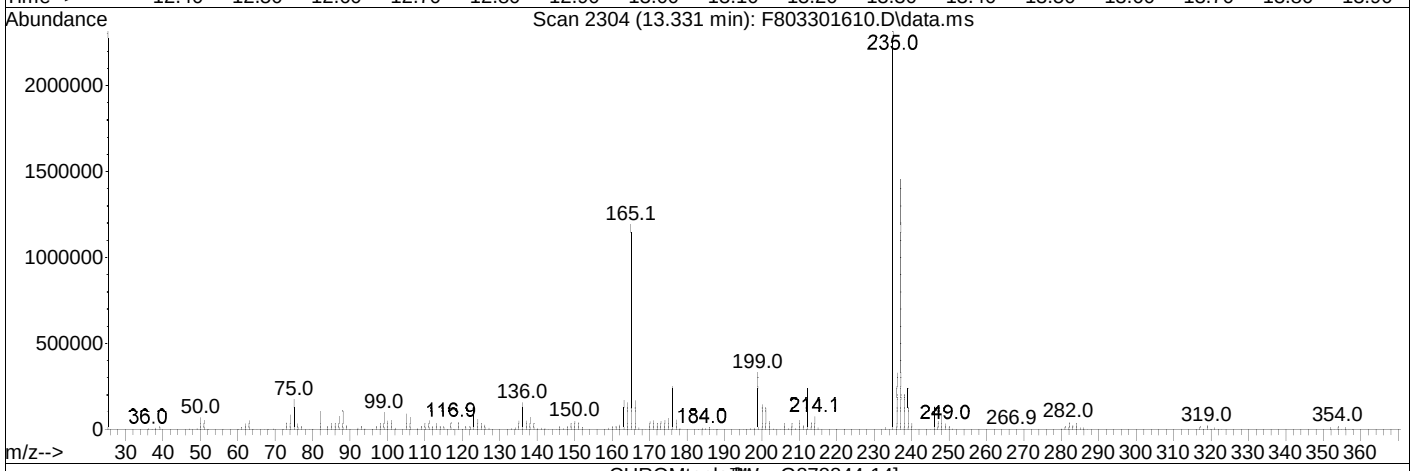
Degradation Check Standard

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar30\
Data File : F803301610.D
Acq On : 30 Mar 2016 5:36 pm
Operator : BNA8:ML
Sample : WG878844-14
Misc : WG878844,MSAI06
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 31 12:41:00 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar30\DFTPPBNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 31 12:34:55 2016
Response via : Initial Calibration





CHROMtools [W G878844-14]

(4) DDT ( )

13.331min (+0.005) 0.00

response 5127755

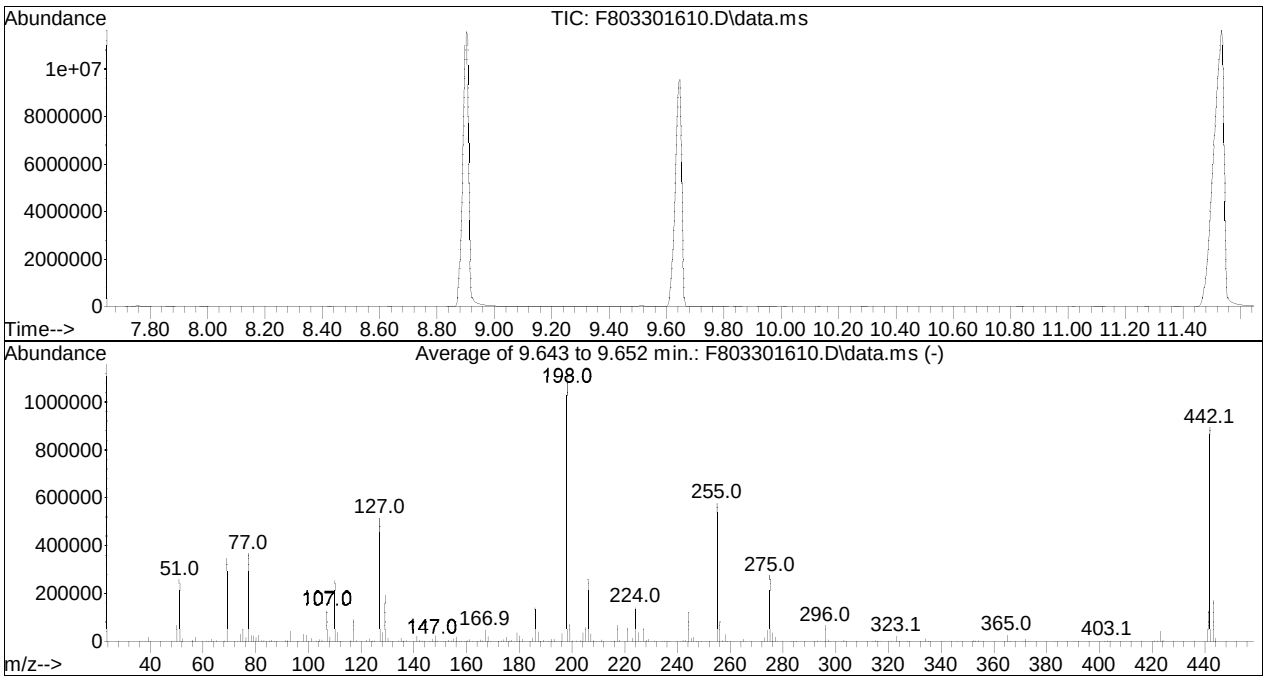
Ion	Exp%	Act%
235.00	100	100
165.00	51.40	50.80
0.00	0.00	0.00
0.00	0.00	0.00

Continuing Calibration
DFTPP Tune

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar30\
Data File : F803301610.D
Acq On : 30 Mar 2016 5:36 pm
Operator : BNA8:ML
Sample : WG878844-13
Misc : WG878844,MSAI06
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : O:\Organics\DATA\BNA8\2016\Mar\Mar30\DFTPPBNA8.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Apr 30 16:06:20 2015



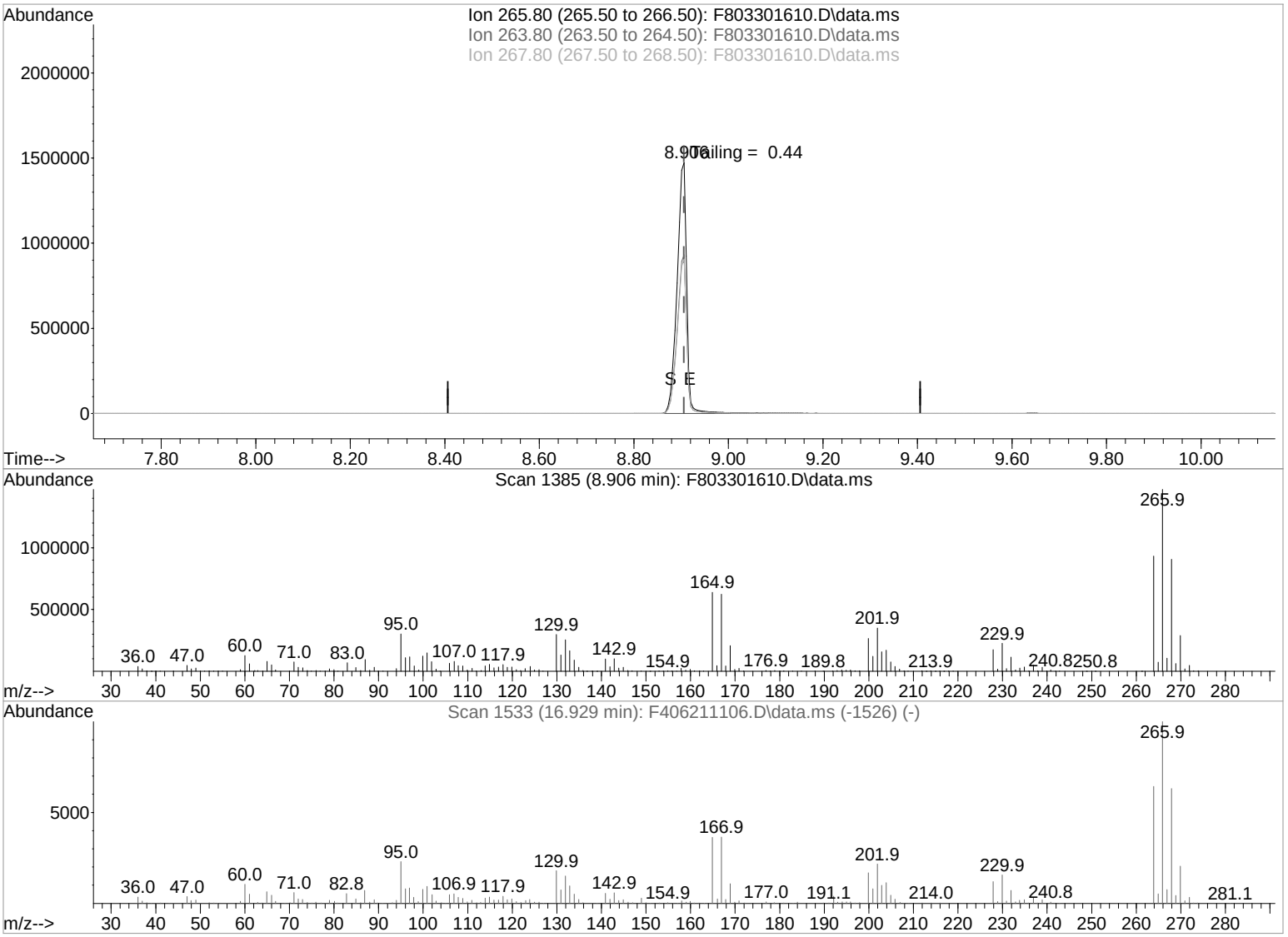
Spectrum Information: Average of 9.643 to 9.652 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	23.4	257487	PASS
68	69	0.00	2	1.6	5583	PASS
70	69	0.00	2	0.5	1623	PASS
127	198	10	80	46.6	513730	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1101966	PASS
199	198	5	9	6.6	72349	PASS
275	198	10	60	24.8	273722	PASS
365	198	1	100	2.5	27355	PASS
441	442	0.01	24	14.5	129549	PASS
442	198	50	100	81.1	893241	PASS
443	442	15	24	19.2	171925	PASS

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar30\
Data File : F803301610.D
Acq On : 30 Mar 2016 5:36 pm
Operator : BNA8:ML
Sample : WG878844-14
Misc : WG878844,MSAI06
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 31 12:41:00 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar30\DFTPPBNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 31 12:34:55 2016
Response via : Initial Calibration



CHROMtools™ [WG878844-14]

(1) Pentachlorophenol (MC)

8.906min (-0.000) 39.77 ug/mL

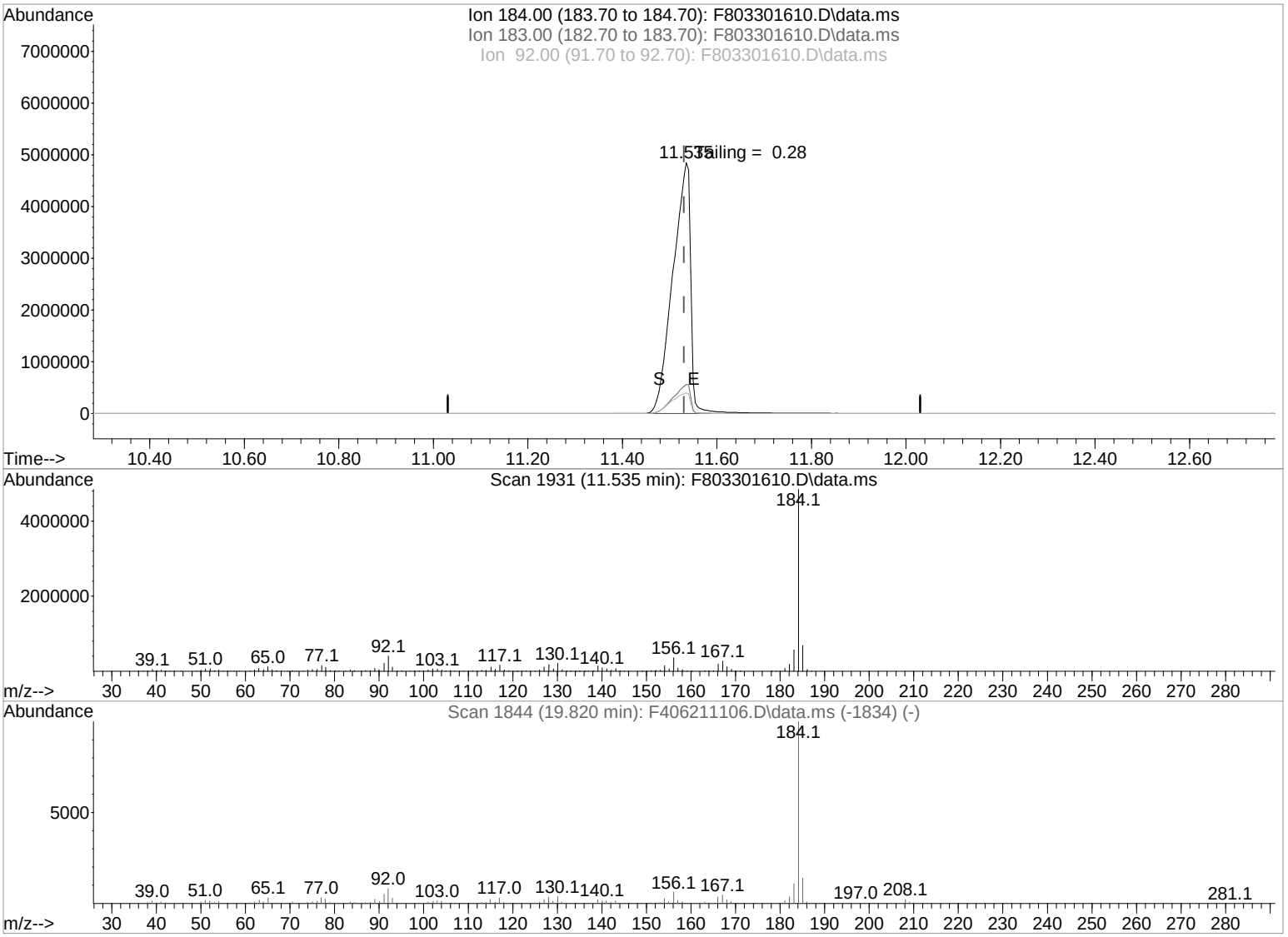
response 2081618 ~2 x >CAL (25)

Ion	Exp%	Act%
265.80	100	100
263.80	63.90	62.71
267.80	61.90	60.35
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar30\
Data File : F803301610.D
Acq On : 30 Mar 2016 5:36 pm
Operator : BNA8:ML
Sample : WG878844-14
Misc : WG878844,MSAI06
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 31 12:41:00 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar30\DFTPPBNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 31 12:34:55 2016
Response via : Initial Calibration



CHROMtools™ [WG878844-14]

(3) Benzidine (T)

11.535min (+0.005) 156.30 ug/mL

response 12717457 ~7 x >CAL (25)

Ion	Exp%	Act%
184.00	100	100
183.00	11.70	11.33
92.00	8.50	8.82
0.00	0.00	0.00

Continuing Calibration

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar30\
Data File : F803301611.D
Acq On : 30 Mar 2016 6:07 pm
Operator : BNA8:ML
Sample : WG878844-15
Misc : WG878844,MSAI31
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 31 11:01:13 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar30\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 31 10:59:25 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4		1.000	1.000	0.0	82	0.00
2	T	N-Nitrosodimethylamine		0.657	0.568	13.5	70	0.00
3	t	Pyridine		1.220	1.086	11.0	73	0.00
4	S	2-Fluorophenol		1.110	1.114	-0.4	79	0.00
5	T	Benzaldehyde		0.872	0.000	100.0#	0#	-4.23#
6	T	Aniline		1.579	1.583	-0.3	83	0.00
7	T	bis(2-Chloroethyl)ether		0.722	0.642	11.1	71	0.00
8	S	Phenol-d5		1.340	1.315	1.9	77	0.00
9	MC	Phenol		1.422	1.340	5.8#	74	0.00
10	M	2-Chlorophenol		1.225	1.216	0.7	79	0.00
11	T	1,3-Dichlorobenzene		1.308	1.326	-1.4	80	0.00
12	MC	1,4-Dichlorobenzene		1.305	1.303	0.2#	79	0.00
13	T	1,2-Dichlorobenzene		1.231	1.249	-1.5	80	0.00
14	T	Benzyl alcohol		0.723	0.737	-1.9	82	0.00
15	T	bis(2-chloroisopropyl)ether		1.225	0.986	19.5	65	0.00
16	T	2-Methylphenol		0.968	0.941	2.8	79	0.00
17	T	Acetophenone		1.388	0.000	100.0#	0#	-4.94#
18	T	Hexachloroethane		0.504	0.497	1.4	79	0.00
19	MP	N-Nitroso-di-n-propylamine		0.724	0.655	9.5	75	0.00
20	T	4-Methylphenol		1.029	0.981	4.7	76	0.00
21	I	Naphthalene-d8		1.000	1.000	0.0	81	0.00
22	S	Nitrobenzene-d5		0.240	0.269	-12.1	87	0.00
23	T	Nitrobenzene		0.249	0.260	-4.4	80	0.00
24	T	Isophorone		0.447	0.429	4.0	76	0.00
25	TC	2-Nitrophenol	*	10.000	11.529	-15.3#	94	0.00
26	T	2,4-Dimethylphenol		0.243	0.257	-5.8	85	0.00
27	T	Benzoic acid	*	10.000	11.687	-16.9	112	0.00
28	T	bis(2-Chloroethoxy)methane		0.314	0.302	3.8	76	0.00
29	TC	2,4-Dichlorophenol		0.235	0.253	-7.7#	83	0.00
30	M	1,2,4-Trichlorobenzene		0.252	0.261	-3.6	82	0.00
31	T	Naphthalene		0.825	0.821	0.5	78	0.00
32	T	2-Chloroaniline		0.433	0.463	-6.9	83	0.00
33	T	4-Chloroaniline		0.355	0.373	-5.1	82	0.00
34	TC	Hexachlorobutadiene		0.122	0.133	-9.0#	87	0.00
35	T	Caprolactam		0.083	0.000	100.0#	0#	-6.12#
36	MC	4-Chloro-3-methylphenol		0.228	0.240	-5.3#	81	0.00
37	T	2-Methylnaphthalene		0.539	0.571	-5.9	82	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar30\
Data File : F803301611.D
Acq On : 30 Mar 2016 6:07 pm
Operator : BNA8:ML
Sample : WG878844-15
Misc : WG878844,MSAI31
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 31 11:01:13 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar30\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 31 10:59:25 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
38	I	Acenaphthene-d10		1.000	1.000	0.0	86	0.00
39	T	1,2,4,5-Tetrachlorobenzene		0.451	0.486	-7.8	88	0.00
40	TP	Hexachlorocyclopentadiene		0.243	0.261	-7.4	84	0.00
41	TC	2,4,6-Trichlorophenol		0.345	0.357	-3.5#	83	0.00
42	T	2,4,5-Trichlorophenol		0.342	0.372	-8.8	87	0.00
43	S	2-Fluorobiphenyl		1.165	1.213	-4.1	86	0.00
44	T	Biphenyl		1.370	0.000	100.0#	0#	-6.87#
45	T	2-Chloronaphthalene		1.091	1.083	0.7	82	0.00
46	T	2-Nitroaniline		0.227	0.268	-18.1	90	0.00
47	T	Acenaphthylene		1.801	1.822	-1.2	83	0.00
48	T	Dimethylphthalate		1.170	1.181	-0.9	85	0.00
49	T	2,6-Dinitrotoluene	*	10.000	11.175	-11.8	96	0.00
50	MC	Acenaphthene		1.075	1.053	2.0#	81	0.00
51	T	3-Nitroaniline	*	10.000	11.052	-10.5	95	0.00
52	TP	2,4-Dinitrophenol	*	10.000	13.425	-34.3#	136	0.00
53	T	Dibenzofuran		1.392	1.412	-1.4	83	0.00
54		2,3,4,6-Tetrachlorophenol		0.213	0.266	-24.9#	97	0.00
55	M	2,4-Dinitrotoluene	*	10.000	10.862	-8.6	94	0.00
56	MP	4-Nitrophenol	*	10.000	9.822	1.8	89	0.00
57	T	Fluorene		1.143	1.138	0.4	81	0.00
58	T	4-Chlorophenyl-phenylether		0.493	0.497	-0.8	82	0.00
59	T	Diethylphthalate		1.236	1.228	0.6	83	0.00
60	T	4-Nitroaniline	*	10.000	10.713	-7.1	92	0.00
61	I	Phenanthrene-d10		1.000	1.000	0.0	90	0.00
62	T	4,6-Dinitro-2-methylphenol	*	10.000	11.834	-18.3	117	0.00
63	T	Azobenzene		0.174	0.172	1.1	85	0.00
64	TC	n-Nitrosodiphenylamine		0.454	0.431	5.1#	82	0.00
65	S	2,4,6-Tribromophenol		0.061	0.072	-18.0	96	0.00
66	T	4-Bromophenyl-phenylether		0.158	0.161	-1.9	88	0.00
67	T	Hexachlorobenzene		0.161	0.161	0.0	87	0.00
68	T	Atrazine		0.162	0.000	100.0#	0#	-8.80#
69	MC	Pentachlorophenol	*	10.000	10.228	-2.3#	96	0.00
70	T	Pentachloronitrobenzene	*	10.000	11.249	-12.5	100	0.00
71	T	Phenanthrene		0.910	0.880	3.3	83	0.00
72	T	Anthracene		0.926	0.904	2.4	83	0.00
73	T	Carbazole		0.906	0.886	2.2	84	0.00
74	T	Di-n-butylphthalate		1.120	1.094	2.3	82	0.00
75	TC	Fluoranthene		0.962	0.937	2.6#	83	0.00

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar30\
Data File : F803301611.D
Acq On : 30 Mar 2016 6:07 pm
Operator : BNA8:ML
Sample : WG878844-15
Misc : WG878844,MSAI31
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 31 11:01:13 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar30\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 31 10:59:25 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
76	I	Chrysene-d12	1.000	1.000	0.0	90	0.00
77	T	Benzidine	* 10.000	0.000	100.0#	0	-11.51#
78	M	Pyrene	1.081	1.044	3.4	84	0.00
79	S	Terphenyl-d14	0.639	0.649	-1.6	88	0.00
80	T	Butylbenzylphthalate	0.546	0.549	-0.5	84	0.00
81	T	3,3'-Dichlorobenzidine	0.322	0.000	100.0#	0#	-14.31#
82	T	Benz[a]anthracene	0.989	0.950	3.9	84	0.00
83	T	Chrysene	0.952	0.918	3.6	84	0.00
84	T	bis(2-Ethylhexyl)phthalate	0.733	0.728	0.7	82	0.00
85	I	Perylene-d12	1.000	1.000	0.0	93	0.00
86	TC	Di-n-octylphthalate	1.278	1.342	-5.0#	85	0.00
87	T	Benzo[b]fluoranthene	0.954	0.951	0.3	89	0.00
88	T	Benzo[k]fluoranthene	0.926	0.906	2.2	84	0.00
89	TC	Benzo[a]pyrene	0.916	0.904	1.3#	86	0.00
90	T	Indeno[1,2,3-cd]pyrene	0.810	0.840	-3.7	89	0.00
91	T	Dibenz[a,h]anthracene	0.808	0.830	-2.7	87	0.00
92	T	Benzo[g,h,i]perylene	0.852	0.874	-2.6	89	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 13

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	1.06	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.92	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar30\
Data File : F803301611.D
Acq On : 30 Mar 2016 6:07 pm
Operator : BNA8:ML
Sample : WG878844-15
Misc : WG878844,MSAI31
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 31 11:01:13 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar30\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 31 10:59:25 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.582	152	456049	5.000	ug/mL	0.00
21) Naphthalene-d8	5.738	136	1693788	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.428	164	827565	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.156	188	1602534	5.000	ug/mL	0.00
76) Chrysene-d12	14.290	240	1514434	5.000	ug/mL	0.00
85) Perylene-d12	17.395	264	1482062	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.527	112	1016314	10.036	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 50.18%			
8) Phenol-d5	4.254	99	1199219	9.810	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 49.05%			
22) Nitrobenzene-d5	5.078	82	909595	11.193	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 55.96%			
43) 2-Fluorobiphenyl	6.773	172	2007712	10.412	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 52.06%			
65) 2,4,6-Tribromophenol	8.266	330	231399	11.784	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 58.92%			
79) Terphenyl-d14	12.022	244	1965557	10.151	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 50.75%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.617	74	517723	8.645	ug/mL	98
3) Pyridine	2.627	79	990929	8.908	ug/mL	95
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.307	93	1443503	10.025	ug/ml	100
7) bis(2-Chloroethyl)ether	4.356	63	585770	8.897	ug/mL	96
9) Phenol	4.264	94	1222514	9.428	ug/mL	93
10) 2-Chlorophenol	4.404	128	1108913	9.928	ug/mL	98
11) 1,3-Dichlorobenzene	4.534	146	1209157	10.134	ug/mL	99
12) 1,4-Dichlorobenzene	4.601	146	1188214	9.986	ug/mL	99
13) 1,2-Dichlorobenzene	4.731	146	1139450	10.148	ug/mL	100
14) Benzyl alcohol	4.702	108	672071	10.196	ug/mL	98
15) bis(2-chloroisopropyl)eth	4.818	45	898985	8.046	ug/mL	94
16) 2-Methylphenol	4.789	108	857882M4	9.713	ug/mL	
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	5.030	117	453427	9.861	ug/mL	96
19) N-Nitroso-di-n-propylamin	4.943	70	597548	9.048	ug/mL	96
20) 4-Methylphenol	4.929	108	894654	9.535	ug/mL	97
23) Nitrobenzene	5.092	77	881137	10.444	ug/mL	96

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar30\
Data File : F803301611.D
Acq On : 30 Mar 2016 6:07 pm
Operator : BNA8:ML
Sample : WG878844-15
Misc : WG878844,MSAI31
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 31 11:01:13 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar30\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 31 10:59:25 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.314	82	1453774	9.597	ug/mL	98
25) 2-Nitrophenol	5.386	139	588099	11.529	ug/mL	98
26) 2,4-Dimethylphenol	5.415	107	870559	10.567	ug/mL	98
27) Benzoic acid	5.516	105	597225M4	11.687	ug/mL	
28) bis(2-Chloroethoxy)methan	5.511	93	1023511	9.625	ug/mL	98
29) 2,4-Dichlorophenol	5.603	162	857304	10.758	ug/mL	99
30) 1,2,4-Trichlorobenzene	5.685	180	883659	10.363	ug/mL	99
31) Naphthalene	5.762	128	2781440	9.949	ug/mL	100
32) 2-Chloroaniline	5.348	127	1567840	10.691	ug/ml	99
33) 4-Chloroaniline	5.810	127	1262661	10.486	ug/mL	100
34) Hexachlorobutadiene	5.872	225	452223	10.934	ug/mL	99
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	6.267	107	811728	10.517	ug/mL	99
37) 2-Methylnaphthalene	6.417	142	1935659	10.596	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.580	216	804378	10.771	ug/mL	100
40) Hexachlorocyclopentadiene	6.571	237	432802	10.761	ug/mL	99
41) 2,4,6-Trichlorophenol	6.686	196	590926	10.334	ug/mL	99
42) 2,4,5-Trichlorophenol	6.720	196	616351M4	10.876	ug/mL	
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	6.888	162	1791738	9.919	ug/mL	99
46) 2-Nitroaniline	6.990	65	444206	11.817	ug/mL	99
47) Acenaphthylene	7.288	152	3015792	10.116	ug/mL	99
48) Dimethylphthalate	7.173	163	1955251	10.095	ug/mL	99
49) 2,6-Dinitrotoluene	7.230	165	480645	11.175	ug/mL	93
50) Acenaphthene	7.461	153	1742964	9.792	ug/mL	99
51) 3-Nitroaniline	7.389	138	548613	11.052	ug/mL	96
52) 2,4-Dinitrophenol	7.490	184	297377	13.425	ug/mL#	89
53) Dibenzofuran	7.635	168	2337449	10.144	ug/mL	100
54) 2,3,4,6-Tetrachlorophenol	7.755	232	440825	12.487	ug/mL	97
55) 2,4-Dinitrotoluene	7.625	165	624601	10.862	ug/mL	90
56) 4-Nitrophenol	7.553	109	236107	9.822	ug/mL	94
57) Fluorene	7.991	166	1883886	9.958	ug/mL	100
58) 4-Chlorophenyl-phenylethe	8.001	204	822616	10.083	ug/mL	98
59) Diethylphthalate	7.885	149	2031848	9.930	ug/mL	100
60) 4-Nitroaniline	8.020	138	562110	10.713	ug/mL	94
62) 4,6-Dinitro-2-methylpheno	8.054	198	370737	11.834	ug/mL	94
63) Azobenzene	8.179	182	550033	9.857	ug/mL	84
64) n-Nitrosodiphenylamine	8.131	169	1382608	9.510	ug/mL	98
66) 4-Bromophenyl-phenylether	8.574	248	515679	10.157	ug/mL	99
67) Hexachlorobenzene	8.636	284	516046	10.004	ug/mL	99
68) Atrazine	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar30\
Data File : F803301611.D
Acq On : 30 Mar 2016 6:07 pm
Operator : BNA8:ML
Sample : WG878844-15
Misc : WG878844,MSAI31
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 31 11:01:13 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar30\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 31 10:59:25 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	8.896	266	421431	10.228	ug/mL	99
70) Pentachloronitrobenzene	8.916	237	218534	11.249	ug/ml	92
71) Phenanthrene	9.190	178	2821190	9.675	ug/mL	99
72) Anthracene	9.267	178	2898300	9.769	ug/mL	99
73) Carbazole	9.513	167	2838299	9.773	ug/mL	99
74) Di-n-butylphthalate	10.134	149	3506203	9.766	ug/mL	99
75) Fluoranthene	11.179	202	3003459	9.744	ug/mL	96
77) Benzidine	0.000		0	N.D.	d	
78) Pyrene	11.612	202	3161715	9.659	ug/mL	97
80) Butylbenzylphthalate	13.197	149	1661335	10.048	ug/mL	97
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	14.265	228	2877982	9.612	ug/mL	99
83) Chrysene	14.352	228	2781020	9.644	ug/mL	98
84) bis(2-Ethylhexyl)phthalat	14.660	149	2204462	9.927	ug/mL	100
86) Di-n-octylphthalate	16.187	149	3978857	10.505	ug/mL	99
87) Benzo[b]fluoranthene	16.659	252	2818715	9.968	ug/mL	98
88) Benzo[k]fluoranthene	16.721	252	2685948	9.783	ug/mL	99
89) Benzo[a]pyrene	17.290	252	2680613	9.872	ug/mL	99
90) Indeno[1,2,3-cd]pyrene	19.216	276	2491032	10.374	ug/mL	98
91) Dibenz[a,h]anthracene	19.269	278	2459984M4	10.266	ug/mL	
92) Benzo[g,h,i]perylene	19.610	276	2591711	10.257	ug/mL	96

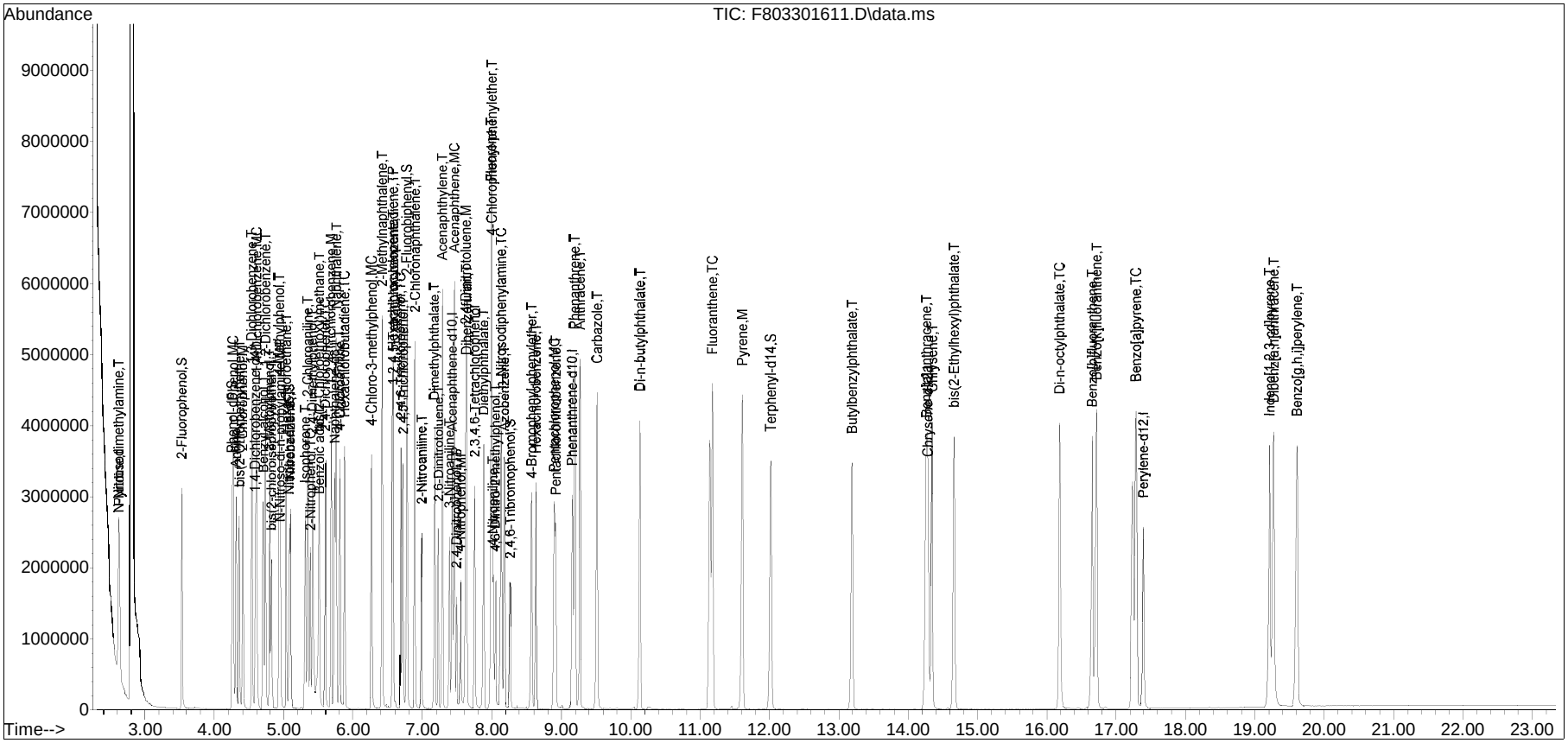
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar30\
Data File : F803301611.D
Acq On : 30 Mar 2016 6:07 pm
Operator : BNA8:ML
Sample : WG878844-15
Misc : WG878844,MSAI31
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 31 11:01:13 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar30\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 31 10:59:25 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar30\
Data File : F803301612.D
Acq On : 30 Mar 2016 6:38 pm
Operator : BNA8:ML
Sample : WG878844-16
Misc : WG878844,MSAI22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 31 11:02:30 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar30\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 31 10:59:25 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
2	T	N-Nitrosodimethylamine	0.657	0.000	100.0#	0#	-2.62#
3	t	Pyridine	1.220	0.000	100.0#	0#	-2.62#
4	S	2-Fluorophenol	1.110	0.000	100.0#	0#	-3.53#
5	T	Benzaldehyde	0.872	0.744	14.7	69	0.00
6	T	Aniline	1.579	0.000	100.0#	0#	-4.31#
7	T	bis(2-Chloroethyl)ether	0.722	0.000	100.0#	0#	-4.36#
8	S	Phenol-d5	1.340	0.000	100.0#	0#	-4.26#
9	MC	Phenol	1.422	0.000	100.0#	0#	-4.27#
10	M	2-Chlorophenol	1.225	0.000	100.0#	0#	-4.40#
11	T	1,3-Dichlorobenzene	1.308	0.000	100.0#	0#	-4.54#
12	MC	1,4-Dichlorobenzene	1.305	0.000	100.0#	0#	-4.60#
13	T	1,2-Dichlorobenzene	1.231	0.000	100.0#	0#	-4.73#
14	T	Benzyl alcohol	0.723	0.000	100.0#	0#	-4.70#
15	T	bis(2-chloroisopropyl)ether	1.225	0.000	100.0#	0#	-4.82#
16	T	2-Methylphenol	0.968	0.000	100.0#	0#	-4.79#
17	T	Acetophenone	1.388	1.332	4.0	77	0.00
18	T	Hexachloroethane	0.504	0.000	100.0#	0#	-5.03#
19	MP	N-Nitroso-di-n-propylamine	0.724	0.000	100.0#	0#	-4.94#
20	T	4-Methylphenol	1.029	0.000	100.0#	0#	-4.93#
21	I	Naphthalene-d8	1.000	1.000	0.0	94	0.00
22	S	Nitrobenzene-d5	0.240	0.000	100.0#	0#	-5.08#
23	T	Nitrobenzene	0.249	0.000	100.0#	0#	-5.09#
24	T	Isophorone	0.447	0.000	100.0#	0#	-5.31#
25	TC	2-Nitrophenol	* 10.000	0.000	100.0#	0	-5.39#
26	T	2,4-Dimethylphenol	0.243	0.000	100.0#	0#	-5.42#
27	T	Benzoic acid	* 10.000	0.000	100.0#	0	-5.51#
28	T	bis(2-Chloroethoxy)methane	0.314	0.000	100.0#	0#	-5.51#
29	TC	2,4-Dichlorophenol	0.235	0.000	100.0#	0#	-5.60#
30	M	1,2,4-Trichlorobenzene	0.252	0.000	100.0#	0#	-5.68#
31	T	Naphthalene	0.825	0.000	100.0#	0#	-5.76#
32	T	2-Chloroaniline	0.433	0.000	100.0#	0#	-5.35#
33	T	4-Chloroaniline	0.355	0.000	100.0#	0#	-5.81#
34	TC	Hexachlorobutadiene	0.122	0.000	100.0#	0#	-5.87#
35	T	Caprolactam	0.083	0.083	0.0	77	0.00
36	MC	4-Chloro-3-methylphenol	0.228	0.000	100.0#	0#	-6.27#
37	T	2-Methylnaphthalene	0.539	0.000	100.0#	0#	-6.42#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar30\
Data File : F803301612.D
Acq On : 30 Mar 2016 6:38 pm
Operator : BNA8:ML
Sample : WG878844-16
Misc : WG878844,MSAI22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 31 11:02:30 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar30\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 31 10:59:25 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
38	I	Acenaphthene-d10		1.000	1.000	0.0	99	0.00
39	T	1,2,4,5-Tetrachlorobenzene		0.451	0.000	100.0#	0#	-6.58#
40	TP	Hexachlorocyclopentadiene		0.243	0.000	100.0#	0#	-6.57#
41	TC	2,4,6-Trichlorophenol		0.345	0.000	100.0#	0#	-6.69#
42	T	2,4,5-Trichlorophenol		0.342	0.000	100.0#	0#	-6.72#
43	S	2-Fluorobiphenyl		1.165	0.000	100.0#	0#	-6.77#
44	T	Biphenyl		1.370	1.288	6.0	77	0.00
45	T	2-Chloronaphthalene		1.091	0.000	100.0#	0#	-6.89#
46	T	2-Nitroaniline		0.227	0.000	100.0#	0#	-6.99#
47	T	Acenaphthylene		1.801	0.000	100.0#	0#	-7.29#
48	T	Dimethylphthalate		1.170	0.000	100.0#	0#	-7.17#
49	T	2,6-Dinitrotoluene	*	10.000	0.000	100.0#	0	-7.23#
50	MC	Acenaphthene		1.075	0.000	100.0#	0#	-7.46#
51	T	3-Nitroaniline	*	10.000	0.000	100.0#	0	-7.39#
52	TP	2,4-Dinitrophenol	*	10.000	0.000	100.0#	0	-7.49#
53	T	Dibenzofuran		1.392	0.000	100.0#	0#	-7.63#
54		2,3,4,6-Tetrachlorophenol		0.213	0.000	100.0#	0#	-7.76#
55	M	2,4-Dinitrotoluene	*	10.000	0.000	100.0#	0	-7.63#
56	MP	4-Nitrophenol	*	10.000	0.000	100.0#	0	-7.55#
57	T	Fluorene		1.143	0.000	100.0#	0#	-7.99#
58	T	4-Chlorophenyl-phenylether		0.493	0.000	100.0#	0#	-8.00#
59	T	Diethylphthalate		1.236	0.000	100.0#	0#	-7.89#
60	T	4-Nitroaniline	*	10.000	0.000	100.0#	0	-8.02#
61	I	Phenanthrene-d10		1.000	1.000	0.0	101	0.00
62	T	4,6-Dinitro-2-methylphenol	*	10.000	0.000	100.0#	0	-8.05#
63	T	Azobenzene		0.174	0.000	100.0#	0#	-8.18#
64	TC	n-Nitrosodiphenylamine		0.454	0.000	100.0#	0#	-8.13#
65	S	2,4,6-Tribromophenol		0.061	0.000	100.0#	0#	-8.27#
66	T	4-Bromophenyl-phenylether		0.158	0.000	100.0#	0#	-8.57#
67	T	Hexachlorobenzene		0.161	0.000	100.0#	0#	-8.64#
68	T	Atrazine		0.162	0.164	-1.2	83	0.00
69	MC	Pentachlorophenol	*	10.000	0.000	100.0#	0	-8.90#
70	T	Pentachloronitrobenzene	*	10.000	0.000	100.0#	0	-8.92#
71	T	Phenanthrene		0.910	0.000	100.0#	0#	-9.20#
72	T	Anthracene		0.926	0.000	100.0#	0#	-9.27#
73	T	Carbazole		0.906	0.000	100.0#	0#	-9.51#
74	T	Di-n-butylphthalate		1.120	0.000	100.0#	0#	-10.13#
75	TC	Fluoranthene		0.962	0.000	100.0#	0#	-11.18#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar30\
Data File : F803301612.D
Acq On : 30 Mar 2016 6:38 pm
Operator : BNA8:ML
Sample : WG878844-16
Misc : WG878844,MSAI22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 31 11:02:30 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar30\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 31 10:59:25 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
76	I	Chrysene-d12	1.000	1.000	0.0	102	0.00
77	T	Benzidine	* 10.000	9.623	3.8	89	0.00
78	M	Pyrene	1.081	0.000	100.0#	0#	-11.61#
79	S	Terphenyl-d14	0.639	0.000	100.0#	0#	-12.02#
80	T	Butylbenzylphthalate	0.546	0.000	100.0#	0#	-13.20#
81	T	3,3'-Dichlorobenzidine	0.322	0.333	-3.4	88	0.00
82	T	Benz[a]anthracene	0.989	0.000	100.0#	0#	-14.27#
83	T	Chrysene	0.952	0.000	100.0#	0#	-14.35#
84	T	bis(2-Ethylhexyl)phthalate	0.733	0.000	100.0#	0#	-14.66#
85	I	Perylene-d12	1.000	1.000	0.0	105	0.00
86	TC	Di-n-octylphthalate	1.278	0.000	100.0#	0#	-16.19#
87	T	Benzo[b]fluoranthene	0.954	0.000	100.0#	0#	-16.66#
88	T	Benzo[k]fluoranthene	0.926	0.000	100.0#	0#	-16.72#
89	TC	Benzo[a]pyrene	0.916	0.000	100.0#	0#	-17.29#
90	T	Indeno[1,2,3-cd]pyrene	0.810	0.000	100.0#	0#	-19.21#
91	T	Dibenz[a,h]anthracene	0.808	0.000	100.0#	0#	-19.27#
92	T	Benzo[g,h,i]perylene	0.852	0.000	100.0#	0#	-19.61#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 13

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar30\
Data File : F803301612.D
Acq On : 30 Mar 2016 6:38 pm
Operator : BNA8:ML
Sample : WG878844-16
Misc : WG878844,MSAI22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 31 11:02:30 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar30\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 31 10:59:25 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.587	152	526673	5.000	ug/mL	0.00
21) Naphthalene-d8	5.742	136	1967787	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.428	164	945138	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.156	188	1806282	5.000	ug/mL	0.00
76) Chrysene-d12	14.280	240	1724109	5.000	ug/mL	0.00
85) Perylene-d12	17.390	264	1665402	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D. d		
5) Benzaldehyde	4.225	77	783186	8.529	ug/ml	99
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D. d		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D. d		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D. d		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	4.938	105	1403015	9.596	ug/ml	99
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar30\
Data File : F803301612.D
Acq On : 30 Mar 2016 6:38 pm
Operator : BNA8:ML
Sample : WG878844-16
Misc : WG878844,MSAI22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 31 11:02:30 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar30\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 31 10:59:25 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D. d		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.123	113	328085	10.002	ug/ml	100
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	6.869	154	2433958	9.400	ug/ml	100
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D. d		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D. d		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D. d		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D. d		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D. d		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	8.800	200	594170	10.127	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar30\
Data File : F803301612.D
Acq On : 30 Mar 2016 6:38 pm
Operator : BNA8:ML
Sample : WG878844-16
Misc : WG878844,MSAI22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 31 11:02:30 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar30\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 31 10:59:25 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.	d	
72) Anthracene	0.000		0	N.D.	d	
73) Carbazole	0.000		0	N.D.	d	
74) Di-n-butylphthalate	0.000		0	N.D.	d	
75) Fluoranthene	0.000		0	N.D.	d	
77) Benzidine	11.506	184	2515114	9.623	ug/mL	99
78) Pyrene	0.000		0	N.D.	d	
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	14.309	252	1147040	10.324	ug/mL	99
82) Benz[a]anthracene	0.000		0	N.D.	d	
83) Chrysene	0.000		0	N.D.	d	
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.	d	
86) Di-n-octylphthalate	0.000		0	N.D.	d	
87) Benzo[b]fluoranthene	0.000		0	N.D.	d	
88) Benzo[k]fluoranthene	0.000		0	N.D.	d	
89) Benzo[a]pyrene	0.000		0	N.D.	d	
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

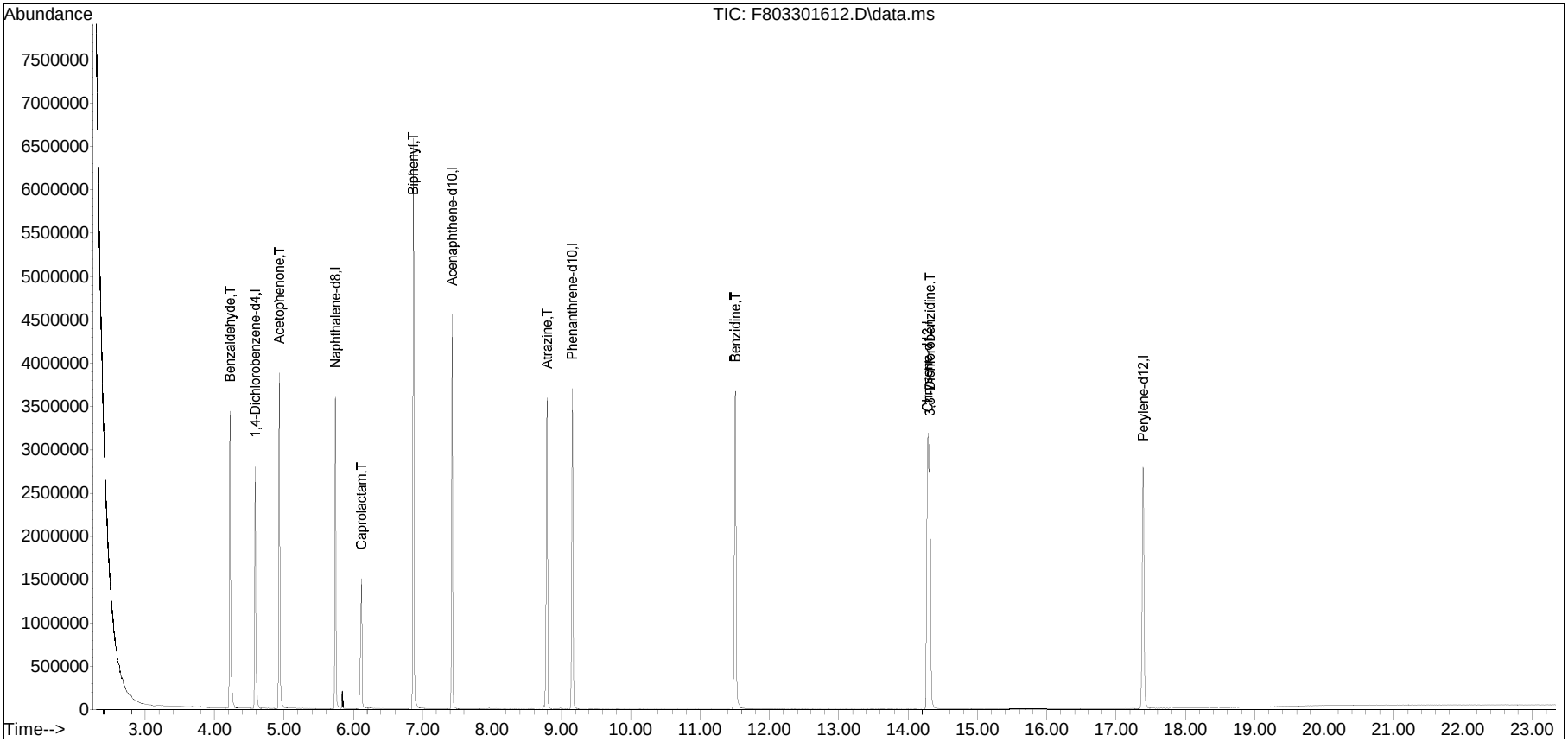
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar30\
Data File : F803301612.D
Acq On : 30 Mar 2016 6:38 pm
Operator : BNA8:ML
Sample : WG878844-16
Misc : WG878844,MSAI22
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 31 11:02:30 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar30\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 31 10:59:25 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar30\
Data File : F803301613.D
Acq On : 30 Mar 2016 7:09 pm
Operator : BNA8:ML
Sample : L1607846-03
Misc : WG878844,WG876532,ICAL12196
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Apr 06 15:33:09 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar30\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 31 10:59:25 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.582	152	561568	5.000	ug/mL	0.00
21) Naphthalene-d8	5.737	136	2084600	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.428	164	988670	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.156	188	1857693	5.000	ug/mL	0.00
76) Chrysene-d12	14.280	240	1733202	5.000	ug/mL	0.00
85) Perylene-d12	17.386	264	1676996	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.527	112	837758	6.718	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 33.59%			
8) Phenol-d5	4.250	99	765405	5.085	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 25.42%			
22) Nitrobenzene-d5	5.073	82	1711911	17.117	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 85.58%			
43) 2-Fluorobiphenyl	6.778	172	3752994	16.292	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 81.46%			
65) 2,4,6-Tribromophenol	8.265	330	426325	18.728	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 93.64%			
79) Terphenyl-d14	12.026	244	4286069	19.342	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 96.71%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D. d		
5) Benzaldehyde	4.216	77	1375	0.014	ug/ml#	83
6) Aniline	0.000		0	N.D. d		
7) bis(2-Chloroethyl)ether	0.000		0	N.D. d		
9) Phenol	0.000		0	N.D. d		
10) 2-Chlorophenol	0.000		0	N.D. d		
11) 1,3-Dichlorobenzene	0.000		0	N.D. d		
12) 1,4-Dichlorobenzene	0.000		0	N.D. d		
13) 1,2-Dichlorobenzene	0.000		0	N.D. d		
14) Benzyl alcohol	4.697	108	612	0.008	ug/mL#	4
15) bis(2-chloroisopropyl)eth	0.000		0	N.D. d		
16) 2-Methylphenol	0.000		0	N.D. d		
17) Acetophenone	4.938	105	17447	0.112	ug/ml	98
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar30\
Data File : F803301613.D
Acq On : 30 Mar 2016 7:09 pm
Operator : BNA8:ML
Sample : L1607846-03
Misc : WG878844,WG876532,ICAL12196
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Apr 06 15:33:09 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar30\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 31 10:59:25 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.	d	
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.	d	
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.	d	
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	0.000		0	N.D.	d	
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.	d	
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.	d	
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.	d	
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.	d	
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	7.875	149	3012	0.012	ug/mL#	97
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.	d	
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.	d	
74) Di-n-butylphthalate	10.129	149	5240	0.013	ug/mL#	89
77) Benzidine	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar30\
Data File : F803301613.D
Acq On : 30 Mar 2016 7:09 pm
Operator : BNA8:ML
Sample : L1607846-03
Misc : WG878844,WG876532,ICAL12196
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Apr 06 15:33:09 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar30\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 31 10:59:25 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Butylbenzylphthalate	13.192	149	5851	0.031	ug/mL#	80
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.660	149	6269	0.025	ug/mL#	90
86) Di-n-octylphthalate	0.000		0	N.D. d		

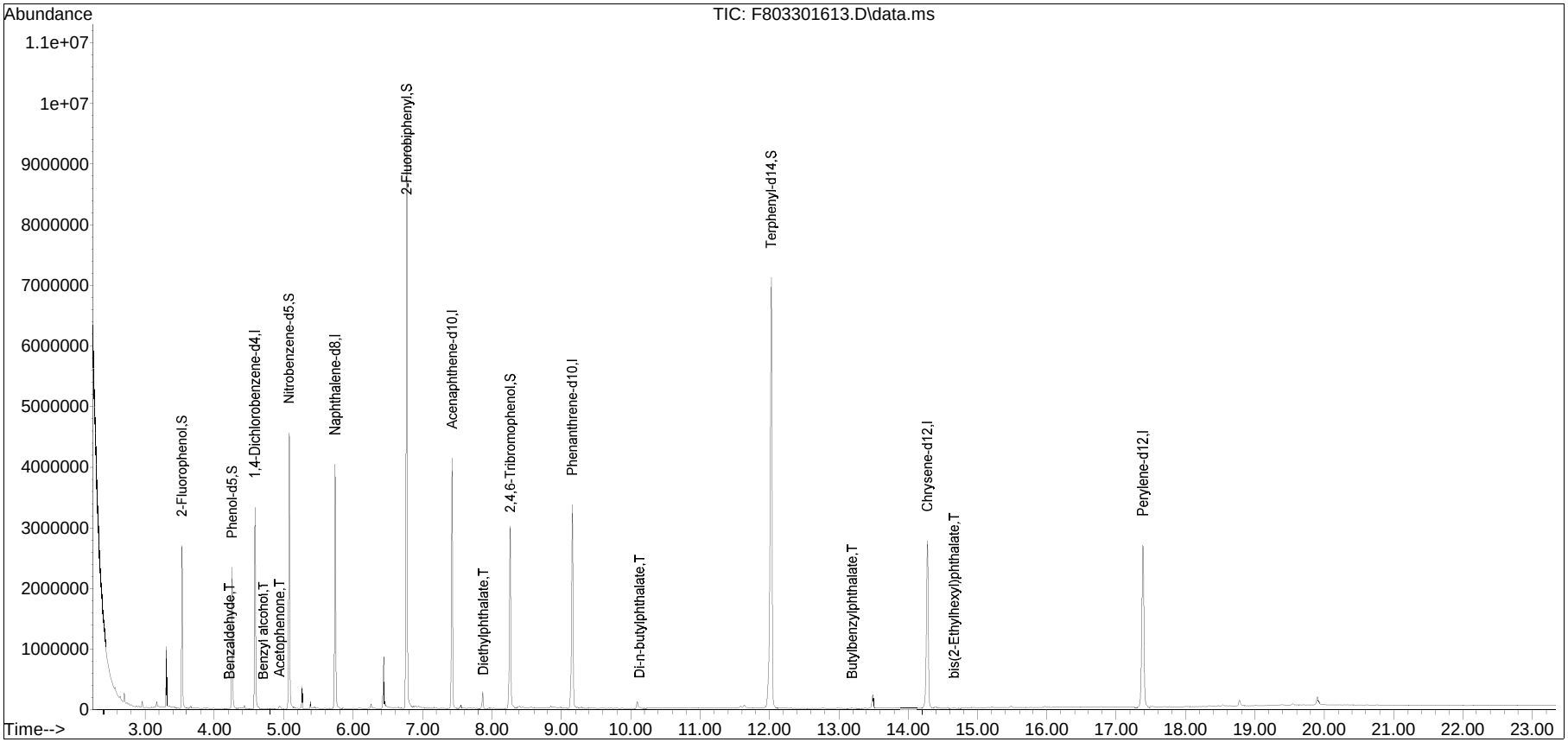
(#) = qualifier out of range (m) = manual integration (+) = signals summed

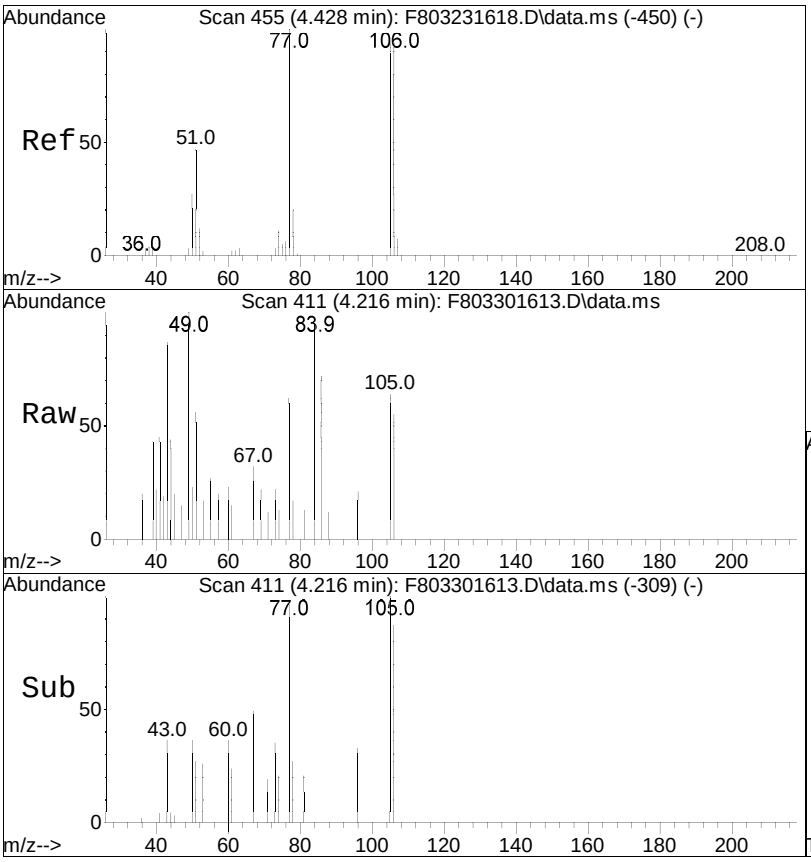
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar30\
Data File : F803301613.D
Acq On : 30 Mar 2016 7:09 pm
Operator : BNA8:ML
Sample : L1607846-03
Misc : WG878844,WG876532,ICAL12196
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Apr 06 15:33:09 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar30\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 31 10:59:25 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

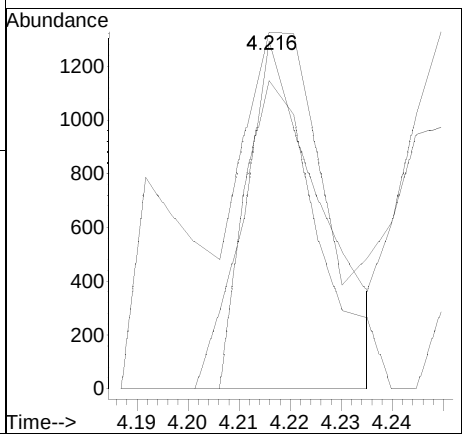


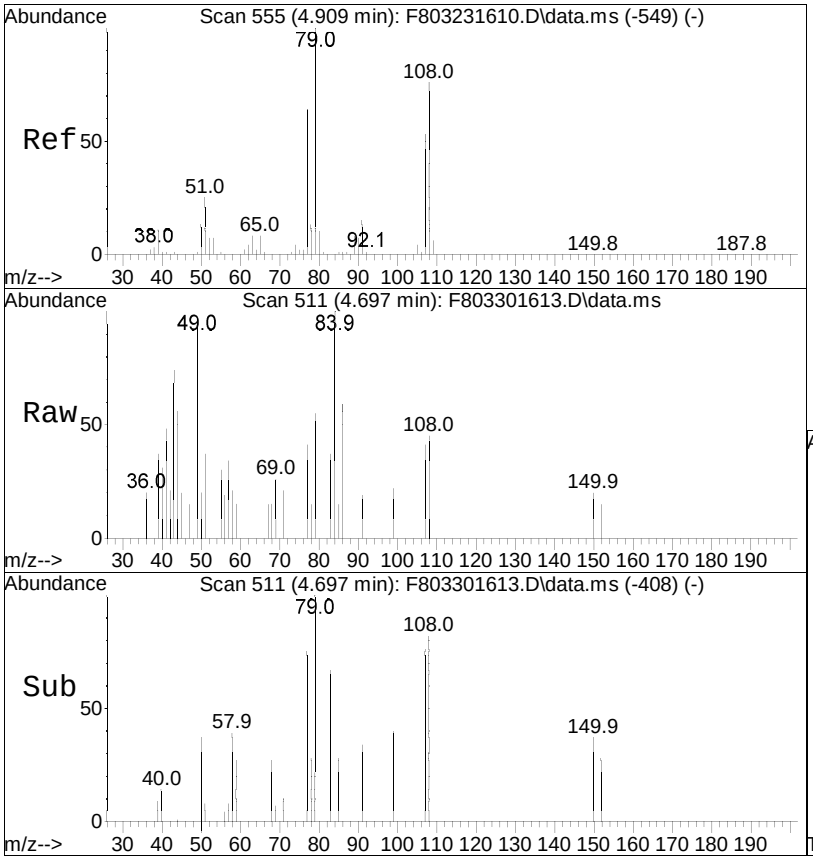


#5
Benzaldehyde
Concen: 0.01 ug/ml
RT: 4.216 min Scan# 411
Delta R.T. -0.010 min
Lab File: F803301613.D
Acq: 30 Mar 2016 7:09 pm

Tgt Ion: 77 Resp: 1375

Ion	Ratio	Lower	Upper
77	100		
105	101.5	88.1	132.1
106	84.5	89.8	134.8#

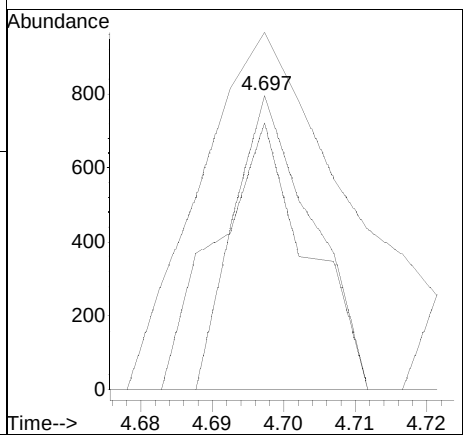


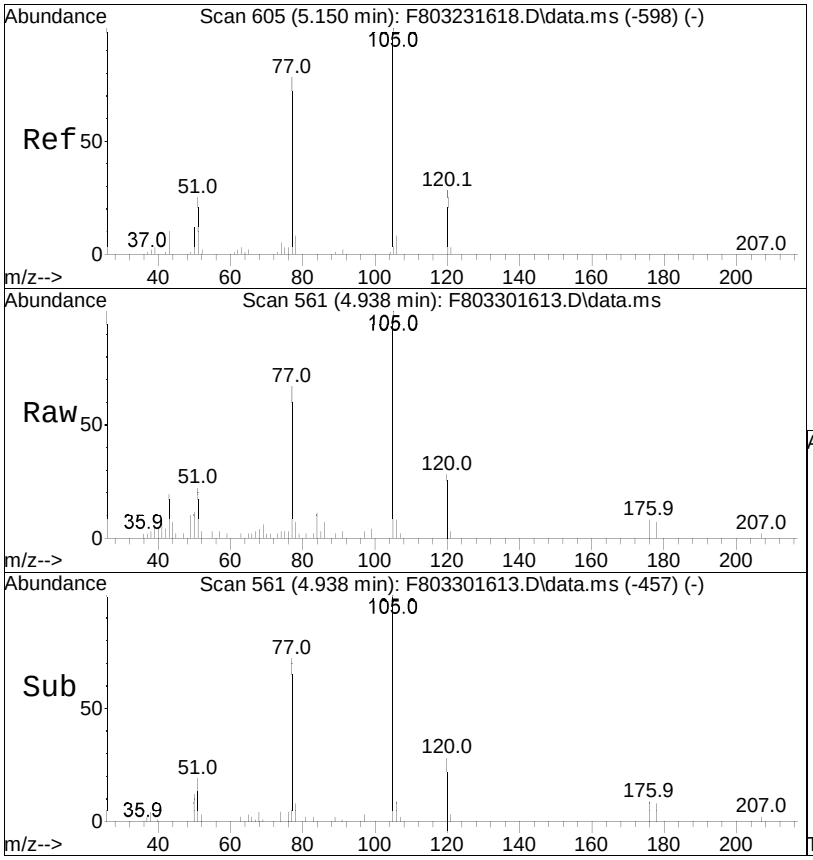


#14
Benzyl alcohol
Concen: 0.01 ug/mL
RT: 4.697 min Scan# 511
Delta R.T. -0.005 min
Lab File: F803301613.D
Acq: 30 Mar 2016 7:09 pm

Tgt Ion:108 Resp: 612

Ion	Ratio	Lower	Upper
108	100		
79	235.5	84.5	126.7#
77	104.9	52.9	79.3#

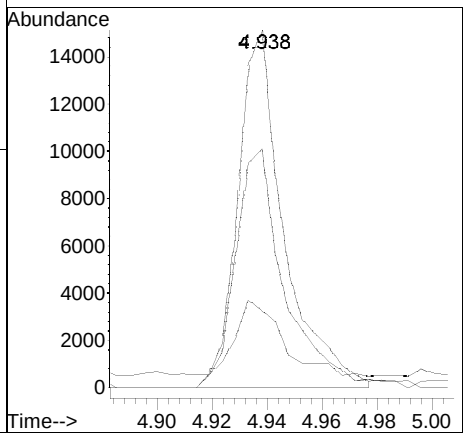


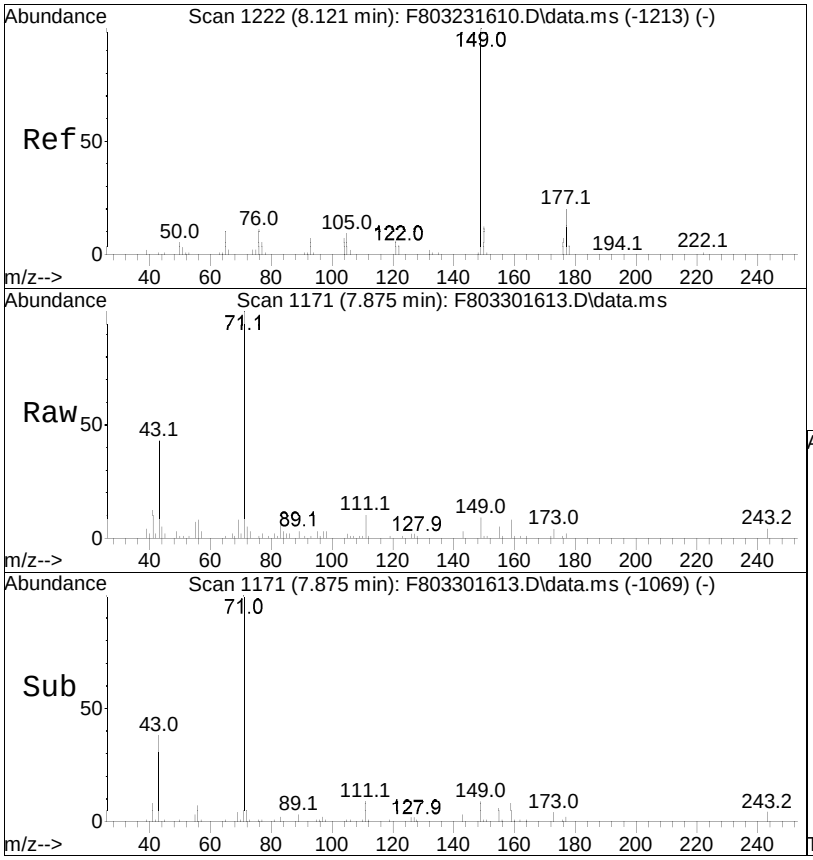


#17
Acetophenone
Concen: 0.11 ug/ml
RT: 4.938 min Scan# 561
Delta R.T. -0.000 min
Lab File: F803301613.D
Acq: 30 Mar 2016 7:09 pm

Tgt Ion:105 Resp: 17447

Ion	Ratio	Lower	Upper
105	100		
77	70.2	57.7	86.5
51	20.2	17.1	25.7

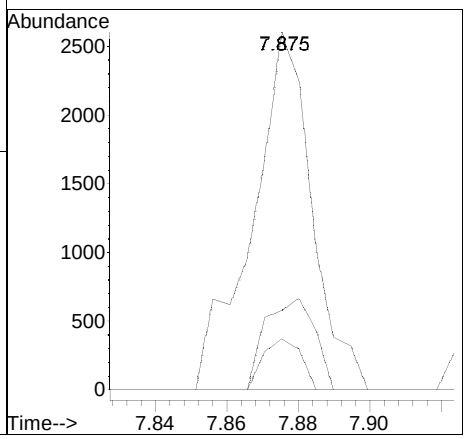


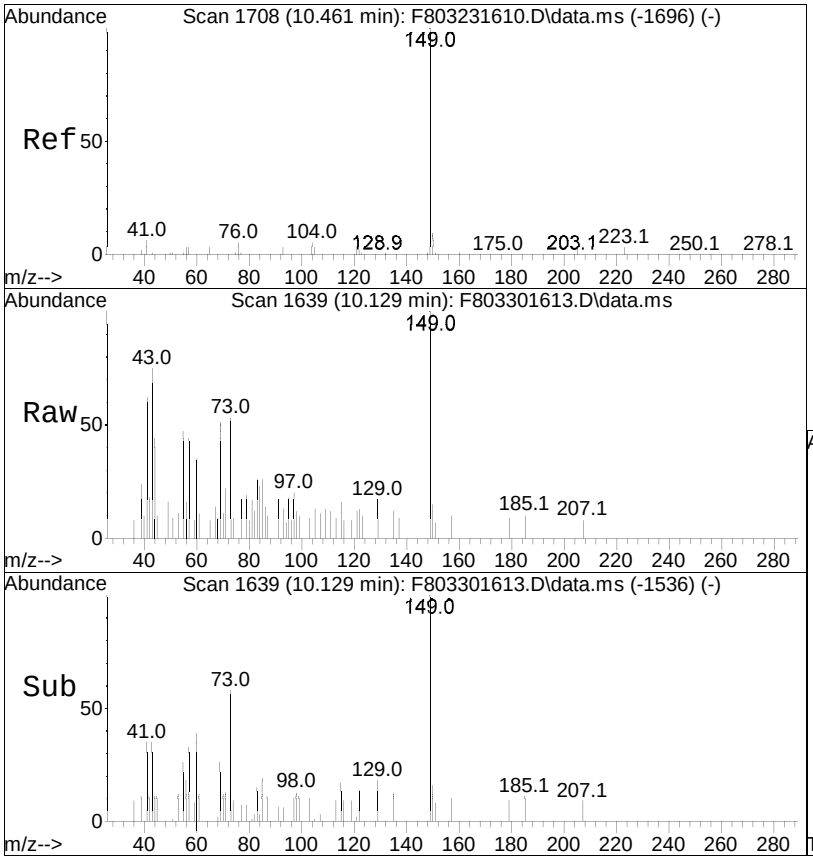


#59
Diethylphthalate
Concen: 0.01 ug/mL
RT: 7.875 min Scan# 1171
Delta R.T. -0.010 min
Lab File: F803301613.D
Acq: 30 Mar 2016 7:09 pm

Tgt Ion:149 Resp: 3012

Ion	Ratio	Lower	Upper
149	100		
177	21.1	16.6	24.8
150	9.1	9.8	14.6#

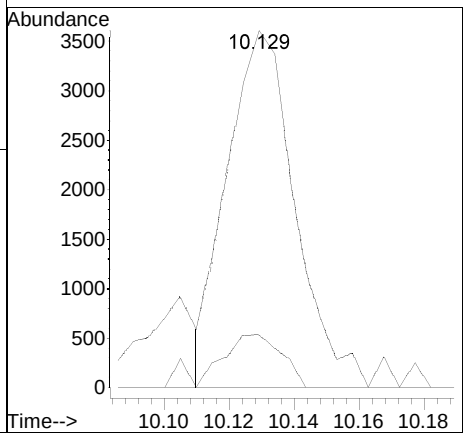


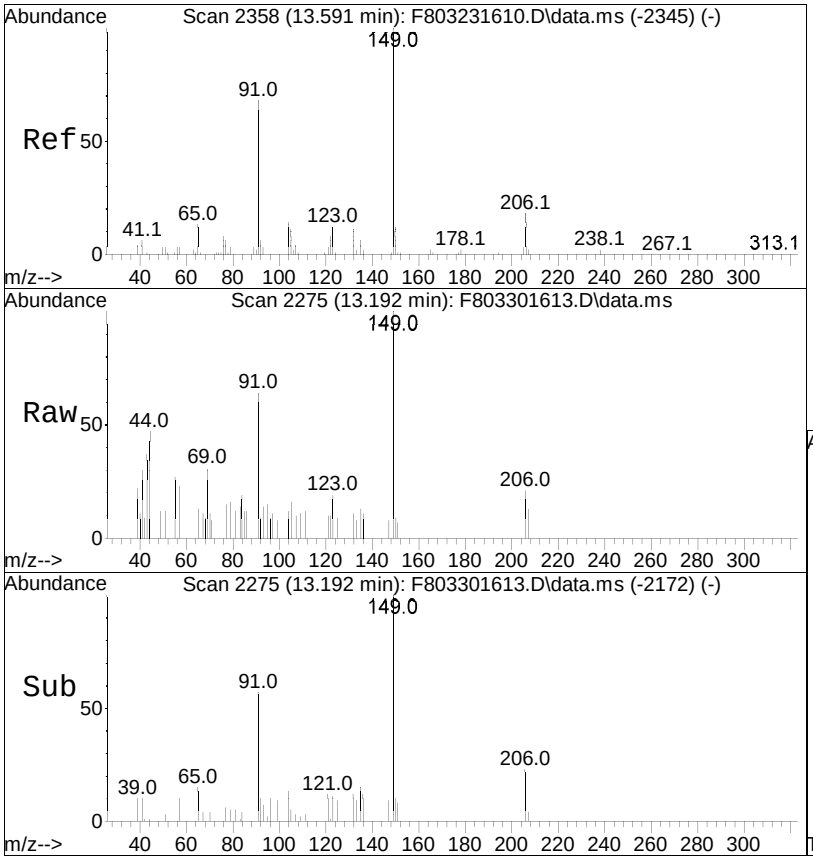


#74
Di-n-butylphthalate
Concen: 0.01 ug/mL
RT: 10.129 min Scan# 1639
Delta R.T. -0.005 min
Lab File: F803301613.D
Acq: 30 Mar 2016 7:09 pm

Tgt Ion:149 Resp: 5240

Ion	Ratio	Lower	Upper
149	100		
150	12.8	7.4	11.2#
104	0.0	3.5	5.3#

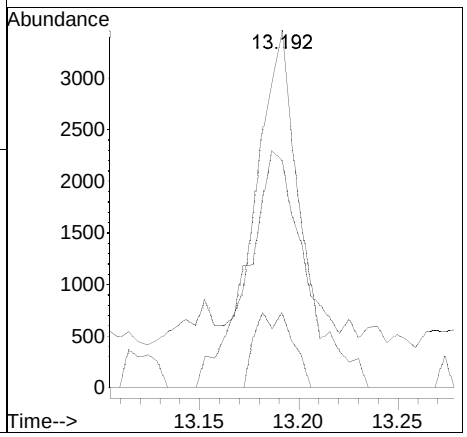


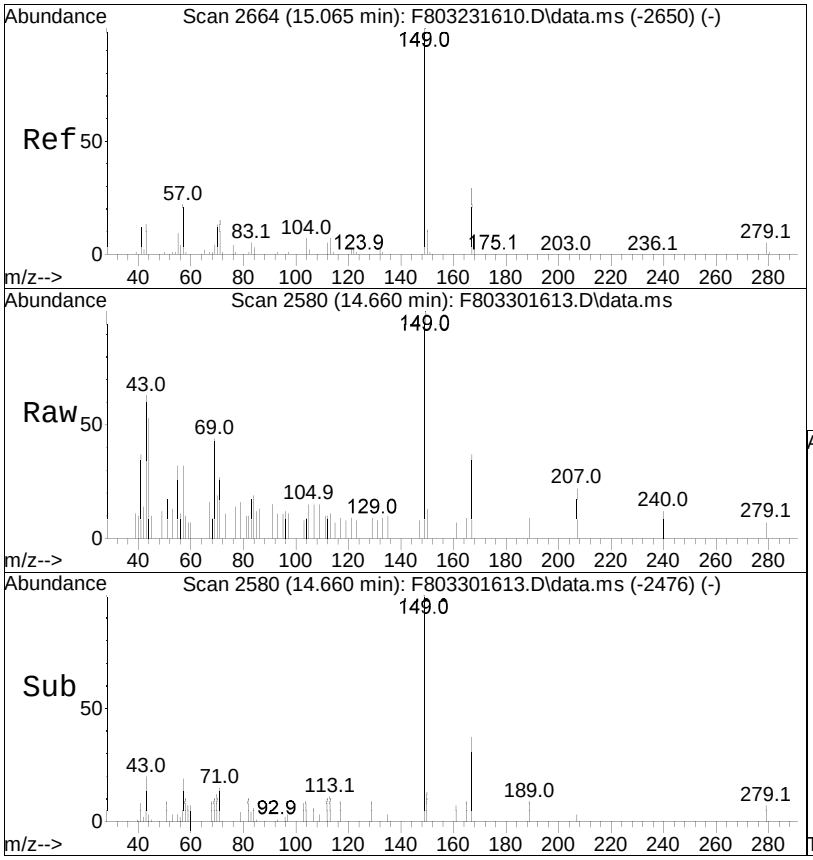


#80
Butylbenzylphthalate
Concen: 0.03 ug/mL
RT: 13.192 min Scan# 2275
Delta R.T. -0.005 min
Lab File: F803301613.D
Acq: 30 Mar 2016 7:09 pm

Tgt Ion:149 Resp: 5851

Ion	Ratio	Lower	Upper
149	100		
91	47.9	50.8	76.2#
206	8.8	15.0	22.4#

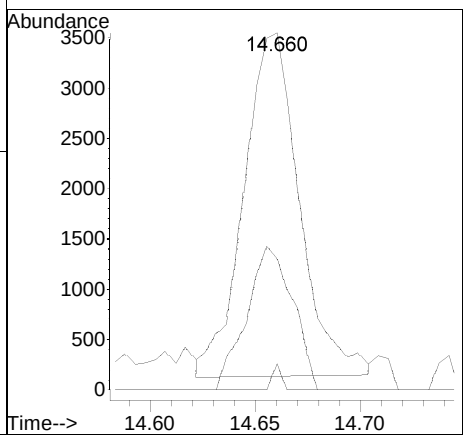




#84
bis(2-Ethylhexyl)phthalate
Concen: 0.02 ug/mL
RT: 14.660 min Scan# 2580
Delta R.T. -0.000 min
Lab File: F803301613.D
Acq: 30 Mar 2016 7:09 pm

Tgt Ion:149 Resp: 6269

Ion	Ratio	Lower	Upper
149	100		
167	34.7	23.8	35.6
279	0.0	4.0	6.0#



Batch Quality Control

Method Blank
Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251624.D
Acq On : 26 Mar 2016 2:18 pm
Operator : BNA8:ML
Sample : WG876532-1
Misc : WG878844,WG876532,ICAL12196
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 30 15:55:02 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 09:33:26 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.755	152	544111	5.000	ug/mL	0.00
21) Naphthalene-d8	5.911	136	2033383	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.606	164	931970	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.397	188	1672437	5.000	ug/mL	0.00
76) Chrysene-d12	14.617	240	1442290	5.000	ug/mL	0.00
85) Perylene-d12	17.704	264	1306589	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.696	112	1253279	10.373	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 51.86%			
8) Phenol-d5	4.409	99	1052790	7.218	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 36.09%			
22) Nitrobenzene-d5	5.242	82	1882313	19.295	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 96.48%			
43) 2-Fluorobiphenyl	6.946	172	4092140	18.845	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 94.22%			
65) 2,4,6-Tribromophenol	8.473	330	410608	20.035	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 100.18%			
79) Terphenyl-d14	12.330	244	4142080	22.462	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 112.31%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	0.000		0	N.D.	d	
7) bis(2-Chloroethyl)ether	0.000		0	N.D.	d	
9) Phenol	0.000		0	N.D.	d	
10) 2-Chlorophenol	0.000		0	N.D.	d	
11) 1,3-Dichlorobenzene	0.000		0	N.D.	d	
12) 1,4-Dichlorobenzene	0.000		0	N.D.	d	
13) 1,2-Dichlorobenzene	0.000		0	N.D.	d	
14) Benzyl alcohol	0.000		0	N.D.	d	
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.	d	
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	5.107	105	4033	0.027	ug/ml	99
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251624.D
Acq On : 26 Mar 2016 2:18 pm
Operator : BNA8:ML
Sample : WG876532-1
Misc : WG878844,WG876532,ICAL12196
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 30 15:55:02 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 09:33:26 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	0.000		0	N.D.		d
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	0.000		0	N.D.		
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.		d
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		d
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		d
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.		d
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		d
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.		d
77) Benzidine	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251624.D
Acq On : 26 Mar 2016 2:18 pm
Operator : BNA8:ML
Sample : WG876532-1
Misc : WG878844,WG876532,ICAL12196
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 30 15:55:02 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 09:33:26 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Butylbenzylphthalate	0.000		0	N.D.	d	
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.	d	
86) Di-n-octylphthalate	0.000		0	N.D.		

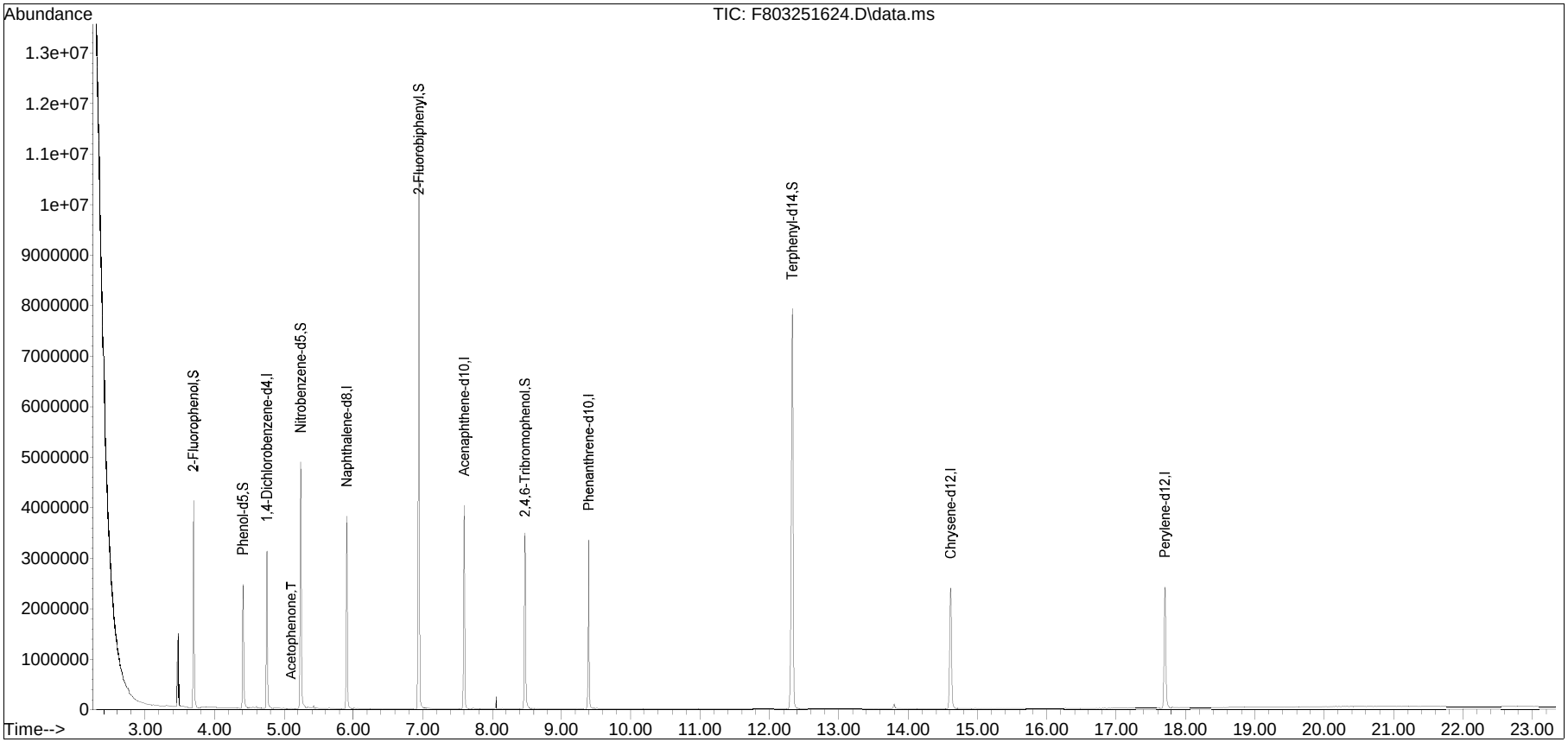
(#) = qualifier out of range (m) = manual integration (+) = signals summed

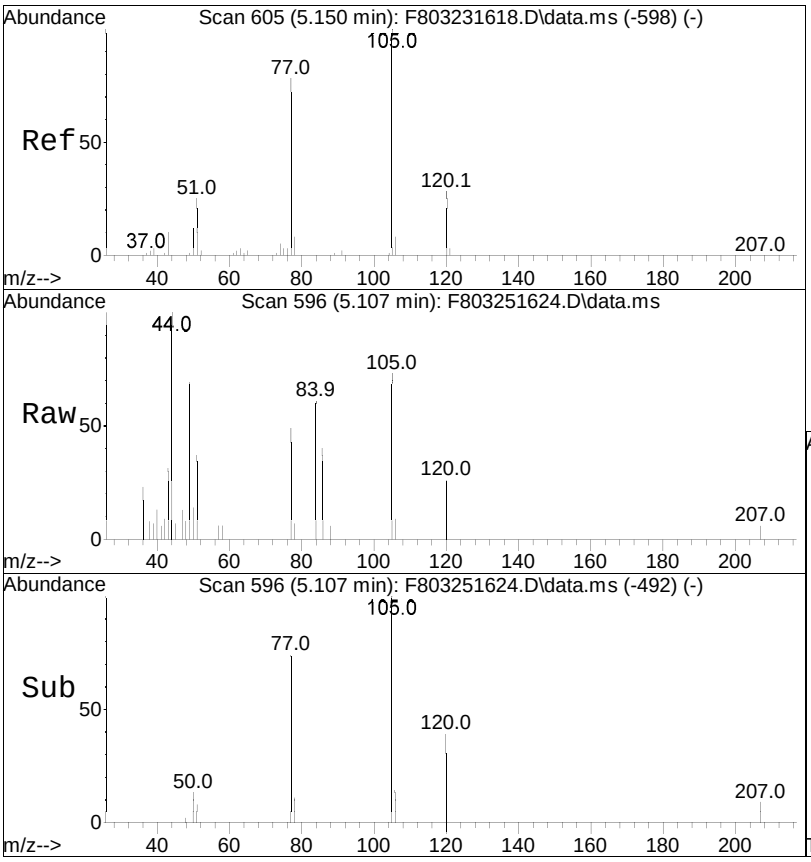
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251624.D
Acq On : 26 Mar 2016 2:18 pm
Operator : BNA8:ML
Sample : WG876532-1
Misc : WG878844,WG876532,ICAL12196
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 30 15:55:02 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 09:33:26 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

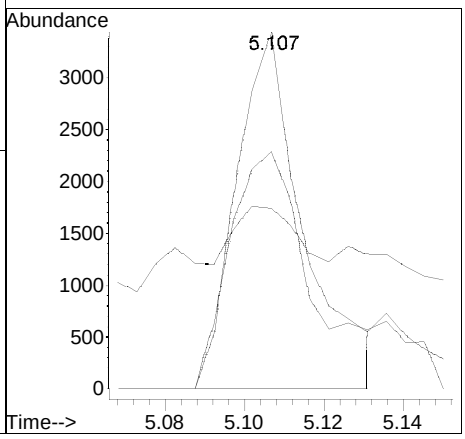




#17
Acetophenone
Concen: 0.03 ug/ml
RT: 5.107 min Scan# 596
Delta R.T. -0.000 min
Lab File: F803251624.D
Acq: 26 Mar 2016 2:18 pm

Tgt Ion:105 Resp: 4033

Ion	Ratio	Lower	Upper
105	100		
77	70.9	57.2	85.8
51	22.7	16.9	25.3



LCS Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251625.D
Acq On : 26 Mar 2016 2:49 pm
Operator : BNA8:ML
Sample : WG876532-2
Misc : WG878844,WG876532,ICAL12196
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 30 16:01:50 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 09:33:35 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.755	152	524423	5.000	ug/mL	0.00
21) Naphthalene-d8	5.911	136	1929957	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.606	164	878440	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.397	188	1603529	5.000	ug/mL	0.00
76) Chrysene-d12	14.627	240	1524916	5.000	ug/mL	0.00
85) Perylene-d12	17.708	264	1342160	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.696	112	1288553	11.065	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 55.33%			
8) Phenol-d5	4.413	99	1099018	7.818	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 39.09%			
22) Nitrobenzene-d5	5.246	82	1823361	19.693	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 98.47%			
43) 2-Fluorobiphenyl	6.946	172	3641436	17.792	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 88.96%			
65) 2,4,6-Tribromophenol	8.477	330	446711	22.734	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 113.67%			
79) Terphenyl-d14	12.330	244	3940010	20.209	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 101.05%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.781	74	387584	5.628	ug/mL#	98
3) Pyridine	2.810	79	591273	4.622	ug/mL	99
5) Benzaldehyde	4.389	77	771827	8.442	ug/ml	100
6) Aniline	4.471	93	1224455	7.395	ug/ml	99
7) bis(2-Chloroethyl)ether	4.519	63	664446	8.776	ug/mL	99
9) Phenol	4.428	94	605720	4.062	ug/mL#	92
10) 2-Chlorophenol	4.572	128	1066912	8.306	ug/mL	98
11) 1,3-Dichlorobenzene	4.707	146	1124073	8.193	ug/mL	100
12) 1,4-Dichlorobenzene	4.770	146	1128862	8.251	ug/mL	99
13) 1,2-Dichlorobenzene	4.904	146	1077116	8.343	ug/mL	99
14) Benzyl alcohol	4.866	108	603502	7.962	ug/mL	95
15) bis(2-chloroisopropyl)eth	4.986	45	1095937	8.530	ug/mL	99
16) 2-Methylphenol	4.953	108	784861	7.728	ug/mL	99
17) Acetophenone	5.107	105	1346437	9.249	ug/ml#	81
18) Hexachloroethane	5.203	117	427197	8.079	ug/mL	99
19) N-Nitroso-di-n-propylamin	5.107	70	677390	8.920	ug/mL	99
20) 4-Methylphenol	5.092	108	826234	7.658	ug/mL	98
23) Nitrobenzene	5.266	77	900174	9.364	ug/mL	97

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251625.D
Acq On : 26 Mar 2016 2:49 pm
Operator : BNA8:ML
Sample : WG876532-2
Misc : WG878844,WG876532,ICAL12196
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 30 16:01:50 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 09:33:35 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.482	82	1648712	9.552	ug/mL	100
25) 2-Nitrophenol	5.555	139	542473	9.409	ug/mL	98
26) 2,4-Dimethylphenol	5.583	107	834930	8.895	ug/mL	99
27) Benzoic acid	5.689	105	814777M4	13.304	ug/mL	
28) bis(2-Chloroethoxy)methan	5.680	93	1134726	9.365	ug/mL#	97
29) 2,4-Dichlorophenol	5.771	162	868328	9.563	ug/mL	100
30) 1,2,4-Trichlorobenzene	5.858	180	840321	8.649	ug/mL	99
31) Naphthalene	5.935	128	2800546	8.792	ug/mL	100
32) 2-Chloroaniline	5.521	127	1673316	10.014	ug/ml	99
33) 4-Chloroaniline	5.978	127	1181056	8.608	ug/mL	98
34) Hexachlorobutadiene	6.046	225	402597	8.543	ug/mL	99
35) Caprolactam	6.311	113	91698	2.850	ug/ml	96
36) 4-Chloro-3-methylphenol	6.436	107	863550	9.820	ug/mL	99
37) 2-Methylnaphthalene	6.595	142	1931255	9.278	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.754	216	794396	10.021	ug/mL	100
40) Hexachlorocyclopentadiene	6.744	237	369343	8.651	ug/mL	99
41) 2,4,6-Trichlorophenol	6.859	196	596153	9.821	ug/mL	100
42) 2,4,5-Trichlorophenol	6.893	196	614071	10.209	ug/mL	99
44) Biphenyl	7.042	154	2198407	9.135	ug/ml	99
45) 2-Chloronaphthalene	7.062	162	1742657	9.089	ug/mL	97
46) 2-Nitroaniline	7.163	65	431590	10.816	ug/mL	96
47) Acenaphthylene	7.466	152	2932723	9.268	ug/mL	99
48) Dimethylphthalate	7.341	163	1994373	9.700	ug/mL	100
49) 2,6-Dinitrotoluene	7.399	165	447562	9.893	ug/mL	98
50) Acenaphthene	7.640	153	1773678	9.387	ug/mL	99
51) 3-Nitroaniline	7.562	138	484222	9.297	ug/mL	94
52) 2,4-Dinitrophenol	7.668	184	209966	9.894	ug/mL	95
53) Dibenzofuran	7.818	168	2357478	9.638	ug/mL	99
54) 2,3,4,6-Tetrachlorophenol	7.948	232	427349	11.405	ug/mL	100
55) 2,4-Dinitrotoluene	7.803	165	616175	10.096	ug/mL#	83
56) 4-Nitrophenol	7.726	109	102528	4.609	ug/mL	97
57) Fluorene	8.193	166	1977169	9.846	ug/mL	99
58) 4-Chlorophenyl-phenylethe	8.198	204	858357	9.912	ug/mL	99
59) Diethylphthalate	8.073	149	2175535	10.016	ug/mL	99
60) 4-Nitroaniline	8.217	138	547033	9.868	ug/mL	98
62) 4,6-Dinitro-2-methylpheno	8.251	198	319088	10.433	ug/mL	100
63) Azobenzene	8.381	182	537738	9.631	ug/mL	96
64) n-Nitrosodiphenylamine	8.333	169	1461181	10.045	ug/mL	99
66) 4-Bromophenyl-phenylether	8.790	248	487914	9.604	ug/mL	98
67) Hexachlorobenzene	8.858	284	489495	9.483	ug/mL	95
68) Atrazine	9.017	200	535959	10.290	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251625.D
Acq On : 26 Mar 2016 2:49 pm
Operator : BNA8:ML
Sample : WG876532-2
Misc : WG878844,WG876532,ICAL12196
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 30 16:01:50 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 09:33:35 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	9.127	266	377156	9.237	ug/mL	98
70) Pentachloronitrobenzene	9.147	237	210391	10.833	ug/ml	93
71) Phenanthrene	9.436	178	2862176	9.809	ug/mL	100
72) Anthracene	9.513	178	2892946	9.745	ug/mL	99
73) Carbazole	9.763	167	2970381	10.221	ug/mL	100
74) Di-n-butylphthalate	10.394	149	3772781	10.501	ug/mL	100
75) Fluoranthene	11.473	202	3099384	10.049	ug/mL	99
77) Benzidine	11.795	184	1274228	5.672	ug/mL	98
78) Pyrene	11.916	202	3237208	9.821	ug/mL	99
80) Butylbenzylphthalate	13.509	149	1691571	10.161	ug/mL	99
81) 3,3'-Dichlorobenzidine	14.636	252	875411	8.908	ug/mL	99
82) Benz[a]anthracene	14.602	228	2826083	9.373	ug/mL	100
83) Chrysene	14.689	228	2769522	9.538	ug/mL	99
84) bis(2-Ethylhexyl)phthalat	14.978	149	2277550	10.185	ug/mL	100
86) Di-n-octylphthalate	16.490	149	3795415	11.065	ug/mL	99
87) Benzo[b]fluoranthene	16.981	252	2605875	10.176	ug/mL	100
88) Benzo[k]fluoranthene	17.039	252	2667799	10.729	ug/mL	100
89) Benzo[a]pyrene	17.602	252	2482297	10.094	ug/mL	99
90) Indeno[1,2,3-cd]pyrene	19.524	276	2186653	10.055	ug/mL	99
91) Dibenz[a,h]anthracene	19.577	278	2210677M4	10.187	ug/mL	
92) Benzo[g,h,i]perylene	19.943	276	2351483	10.276	ug/mL	99

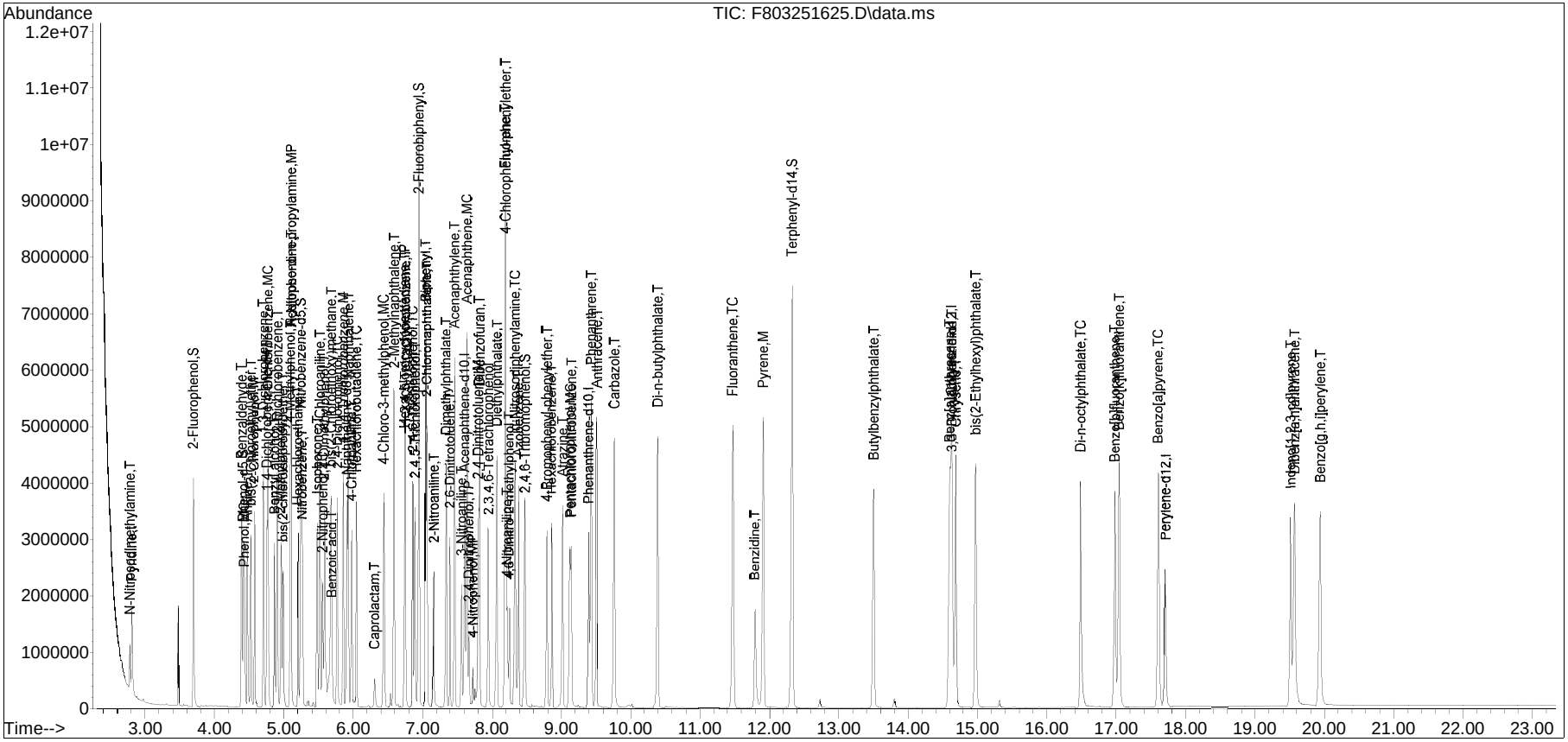
(#) = qualifier out of range (m) = manual integration (+) = signals summed

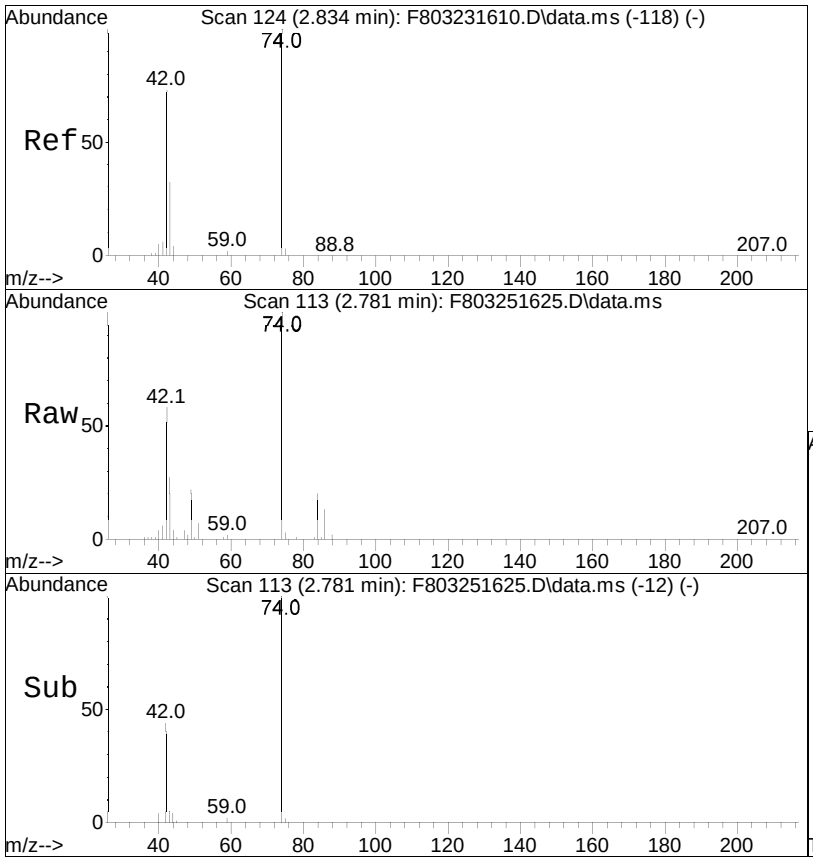
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251625.D
Acq On : 26 Mar 2016 2:49 pm
Operator : BNA8:ML
Sample : WG876532-2
Misc : WG878844,WG876532,ICAL12196
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 30 16:01:50 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 09:33:35 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

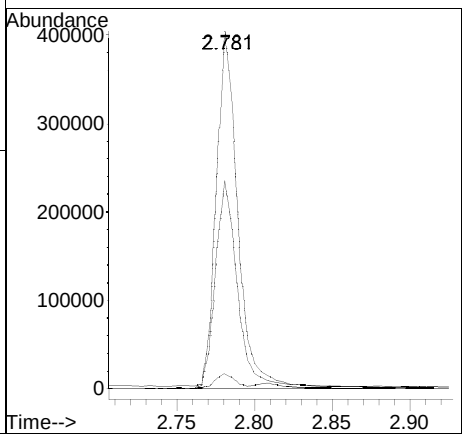


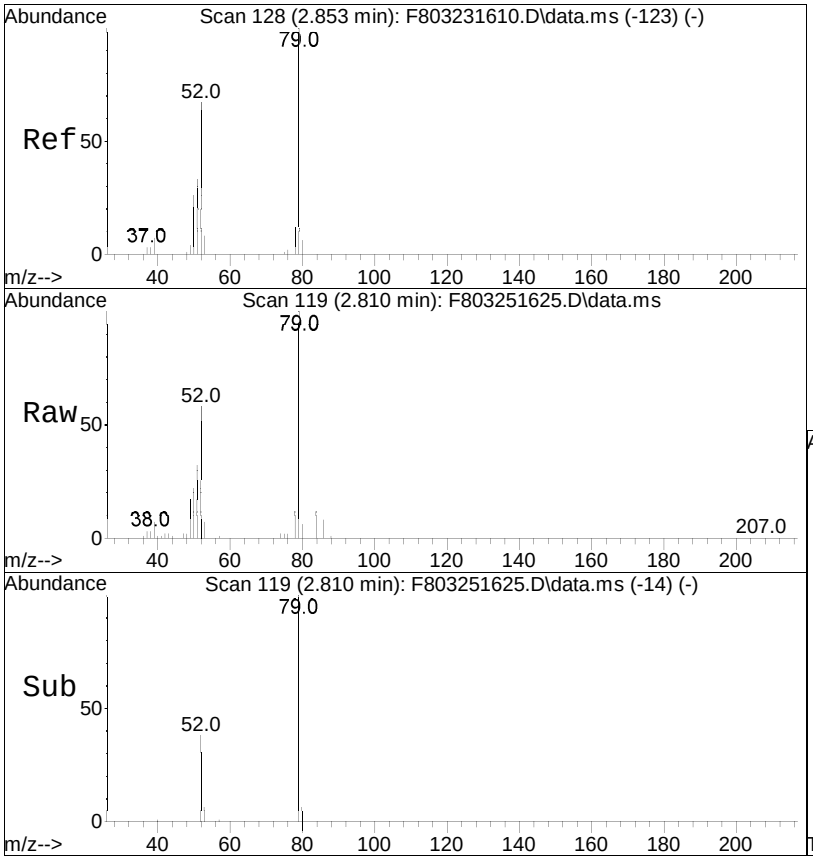


#2
N-Nitrosodimethylamine
Concen: 5.63 ug/mL
RT: 2.781 min Scan# 113
Delta R.T. -0.014 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion: 74 Resp: 387584

Ion	Ratio	Lower	Upper
74	100		
42	56.2	43.8	65.6
40	3.8	4.2	6.4#

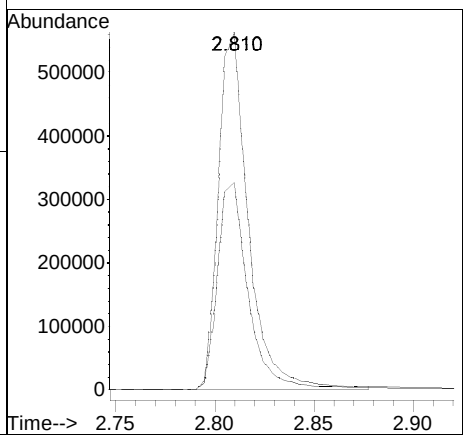


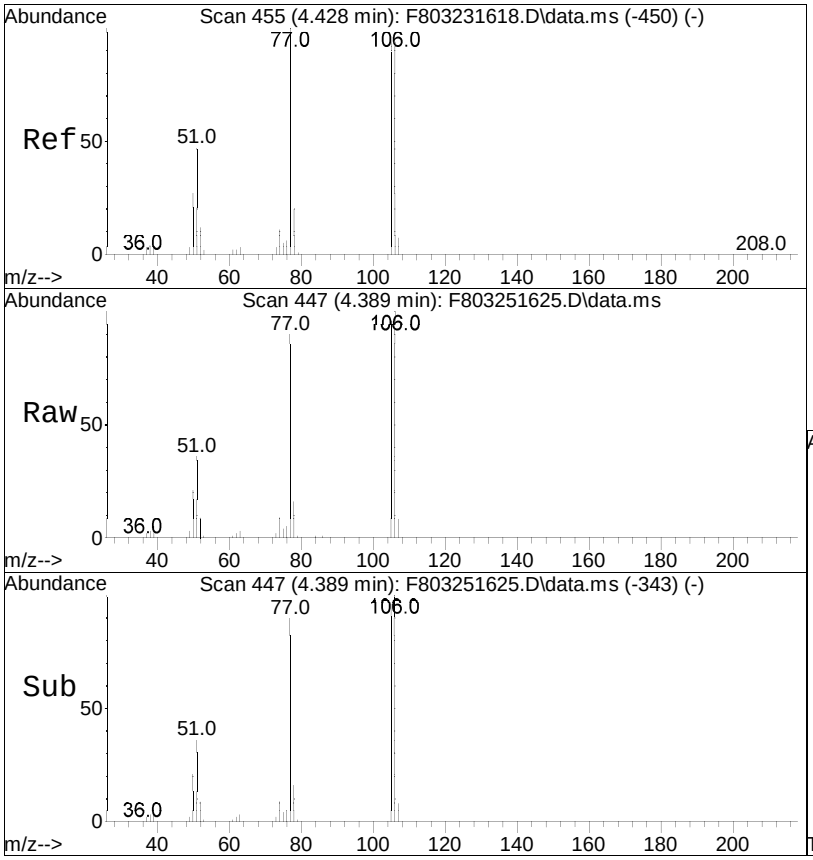


#3
Pyridine
Concen: 4.62 ug/mL
RT: 2.810 min Scan# 119
Delta R.T. 0.005 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion: 79 Resp: 591273

Ion	Ratio	Lower	Upper
79	100		
52	58.9	46.6	69.8

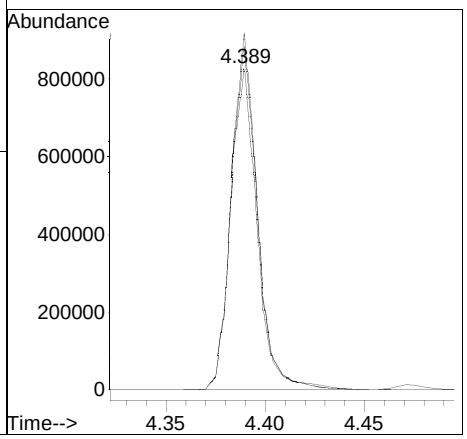


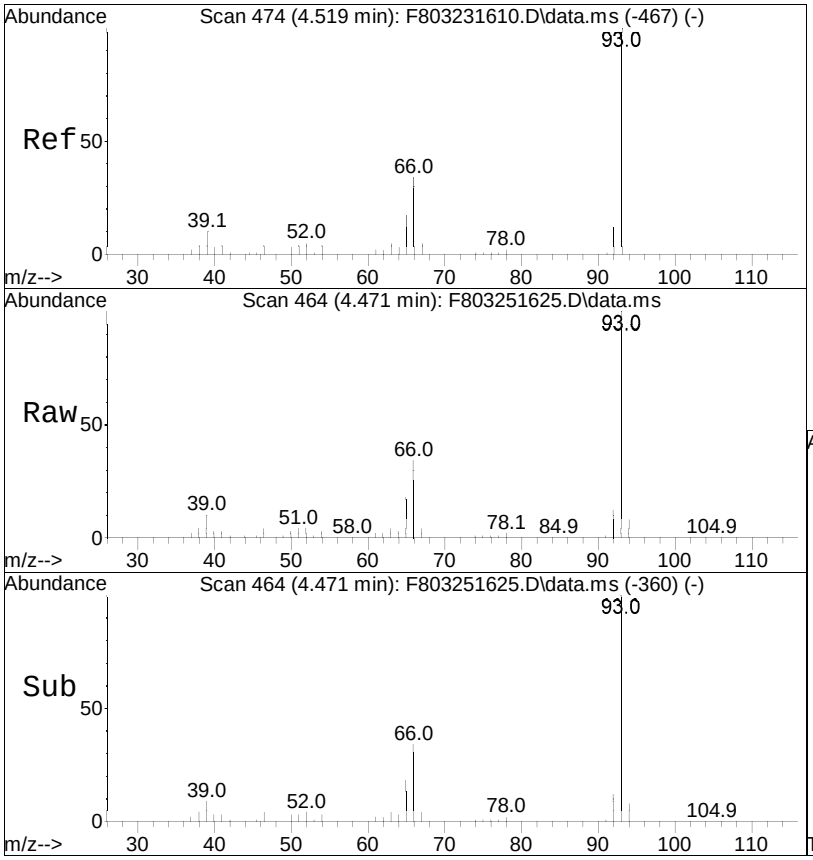


#5
Benzaldehyde
Concen: 8.44 ug/ml
RT: 4.389 min Scan# 447
Delta R.T. 0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion: 77 Resp: 771827

Ion	Ratio	Lower	Upper
77	100		
105	104.7	83.8	125.6
106	108.8	87.4	131.2

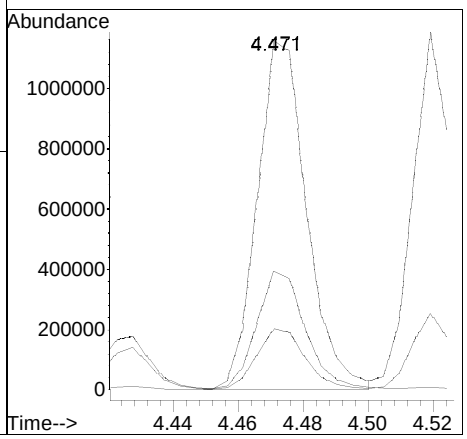


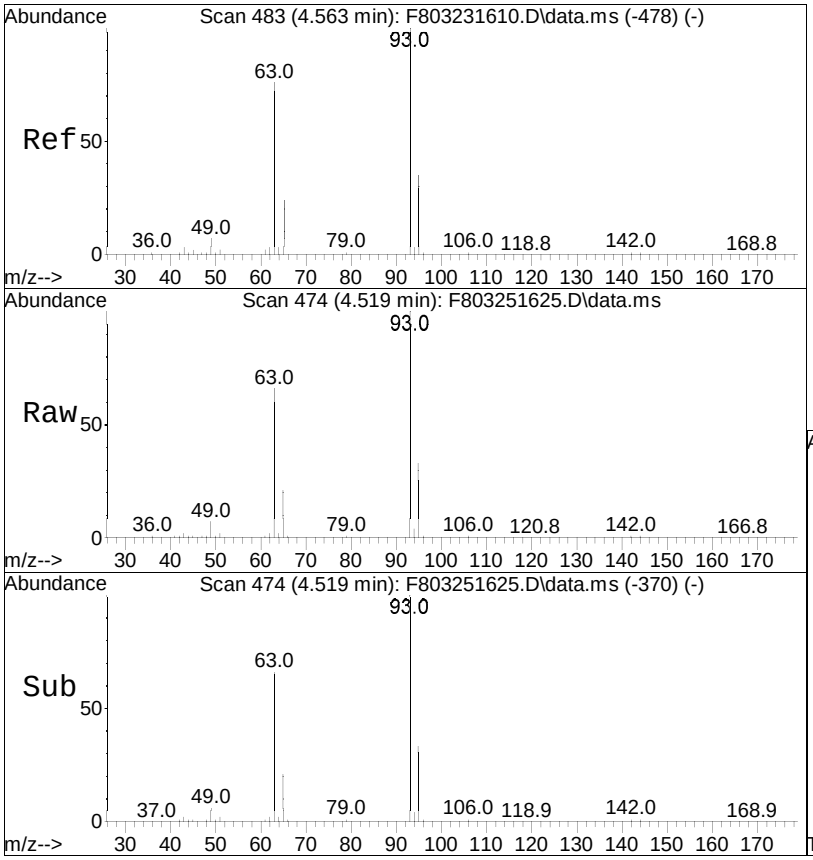


#6
Aniline
Concen: 7.39 ug/ml
RT: 4.471 min Scan# 464
Delta R.T. 0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion: 93 Resp: 1224455

Ion	Ratio	Lower	Upper
93	100		
66	33.8	26.7	40.1
65	17.5	14.2	21.4

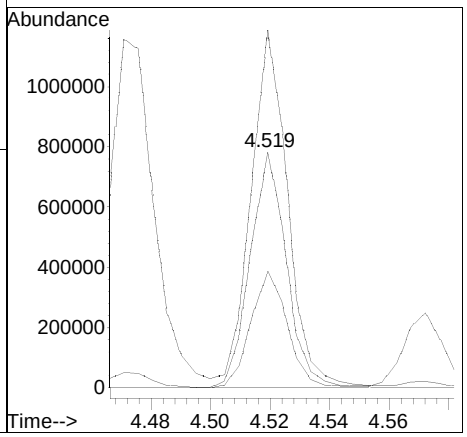


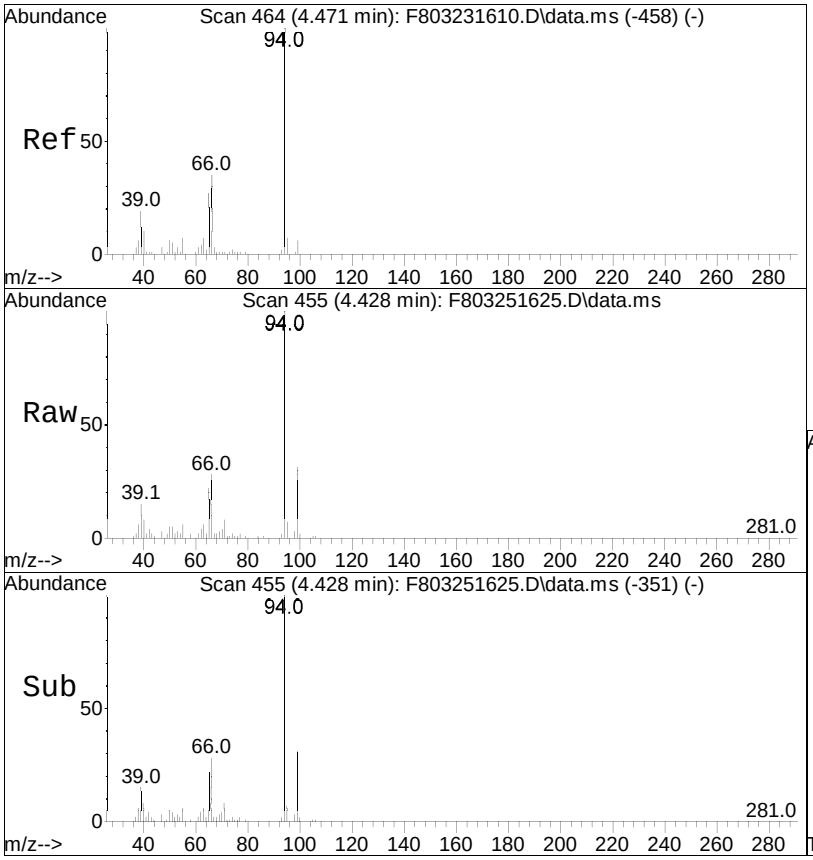


#7
bis(2-Chloroethyl)ether
Concen: 8.78 ug/mL
RT: 4.519 min Scan# 474
Delta R.T. 0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion: 63 Resp: 664446

Ion	Ratio	Lower	Upper
63	100		
93	153.4	123.0	184.4
95	50.3	41.1	61.7

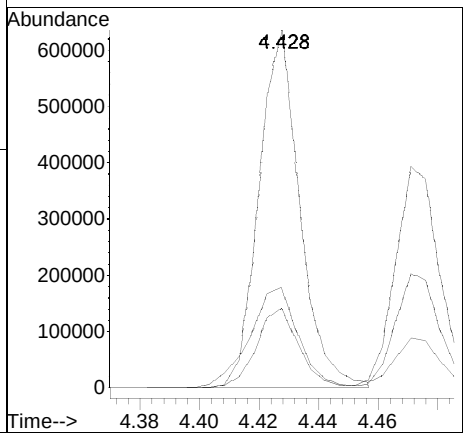


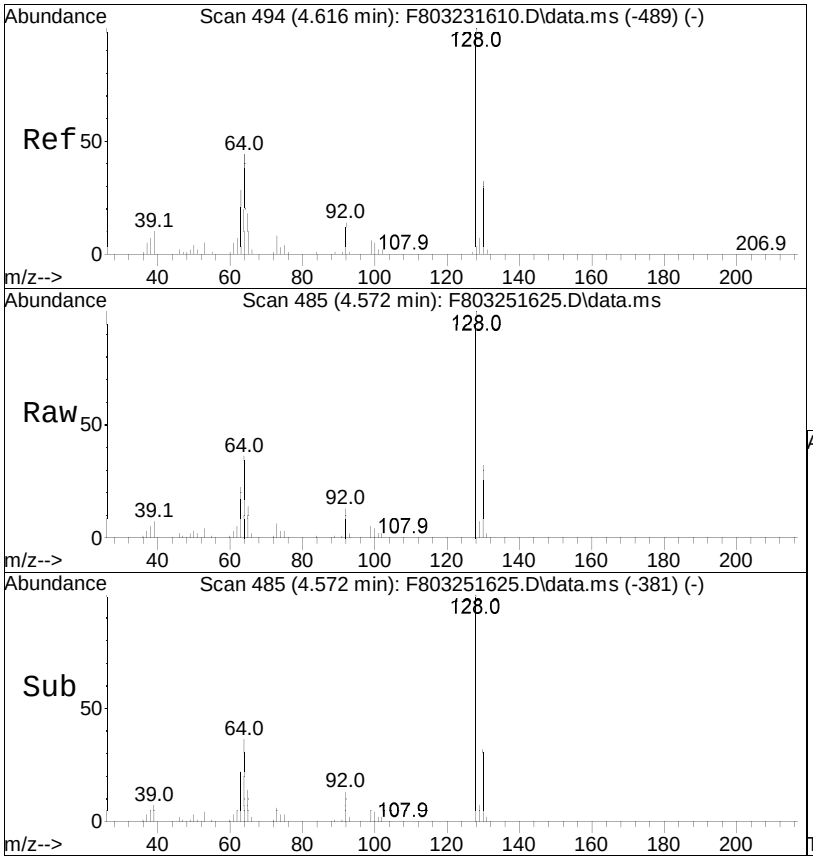


#9
Phenol
Concen: 4.06 ug/mL
RT: 4.428 min Scan# 455
Delta R.T. -0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion: 94 Resp: 605720

Ion	Ratio	Lower	Upper
94	100		
66	33.5	21.7	32.5#
65	23.3	17.6	26.4

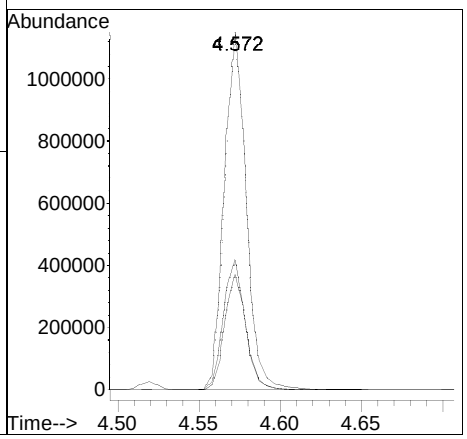


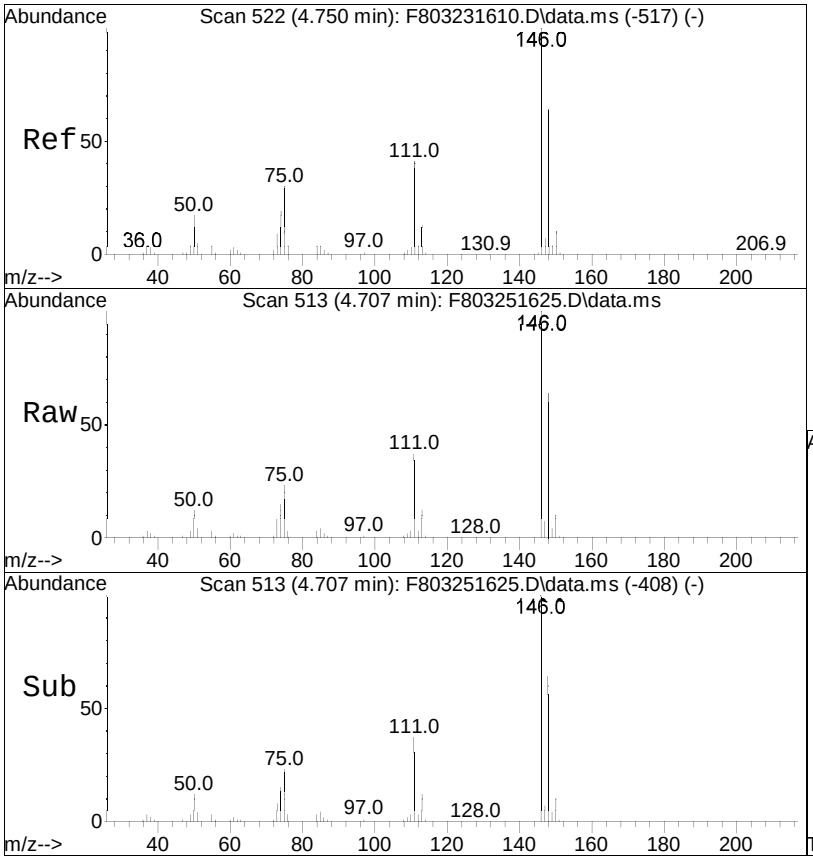


#10
2-Chlorophenol
Concen: 8.31 ug/mL
RT: 4.572 min Scan# 485
Delta R.T. 0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:128 Resp: 1066912

Ion	Ratio	Lower	Upper
128	100		
64	36.3	27.6	41.4
130	32.4	26.2	39.4

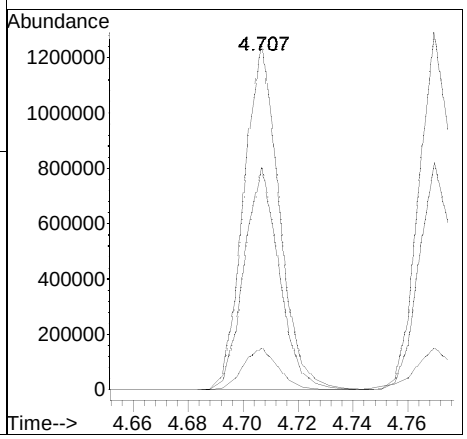


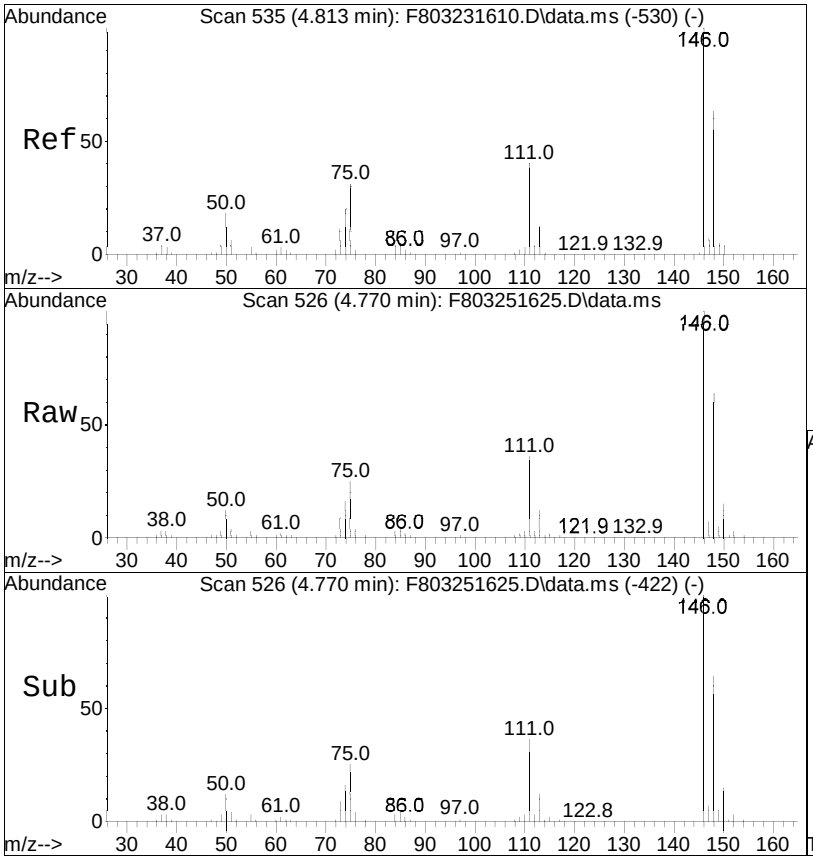


#11
1,3-Dichlorobenzene
Concen: 8.19 ug/mL
RT: 4.707 min Scan# 513
Delta R.T. 0.005 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:146 Resp: 1124073

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
113	12.0	9.7	14.5

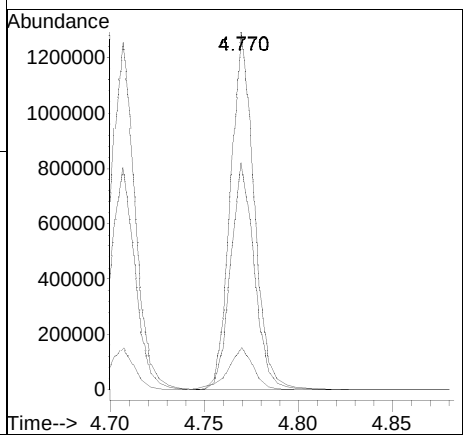


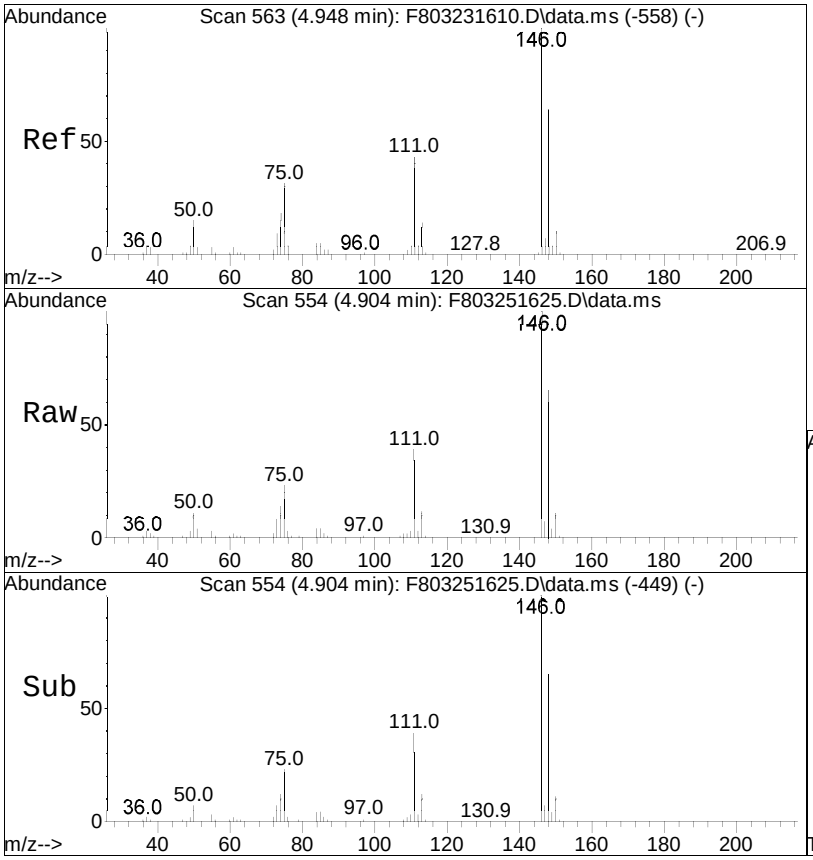


#12
1,4-Dichlorobenzene
Concen: 8.25 ug/mL
RT: 4.770 min Scan# 526
Delta R.T. -0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:146 Resp: 1128862

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.2	76.8
113	12.9	9.1	13.7

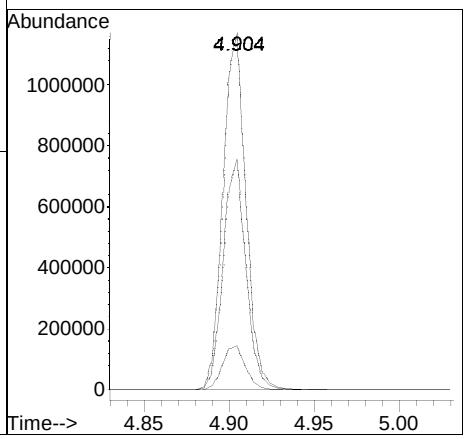


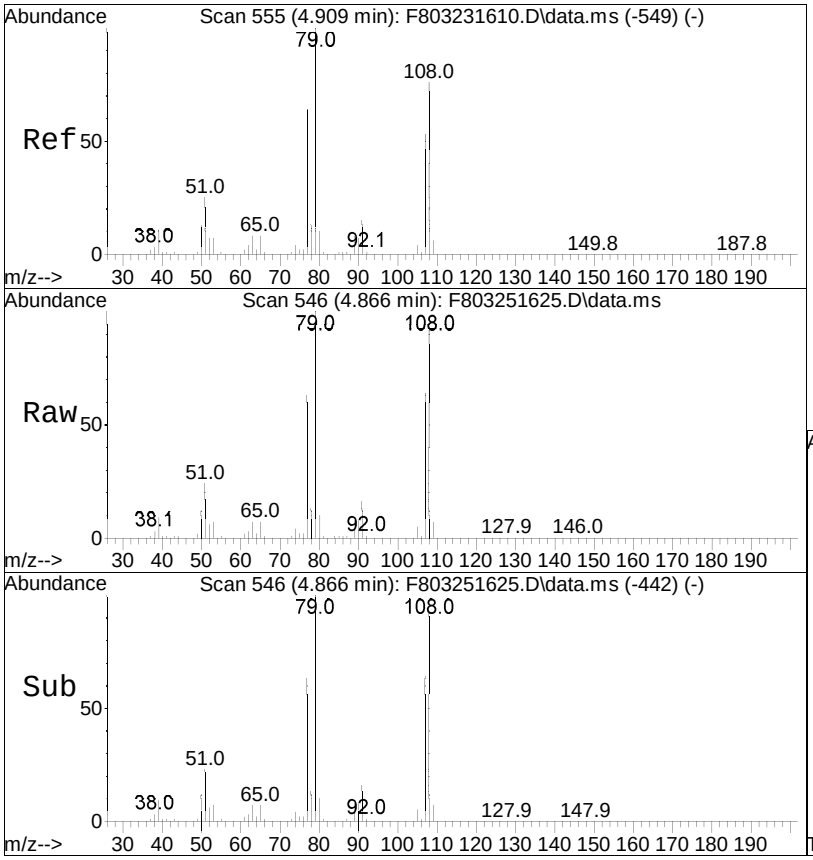


#13
1,2-Dichlorobenzene
Concen: 8.34 ug/mL
RT: 4.904 min Scan# 554
Delta R.T. 0.004 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:146 Resp: 1077116

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.0	76.6
113	12.7	10.0	15.0

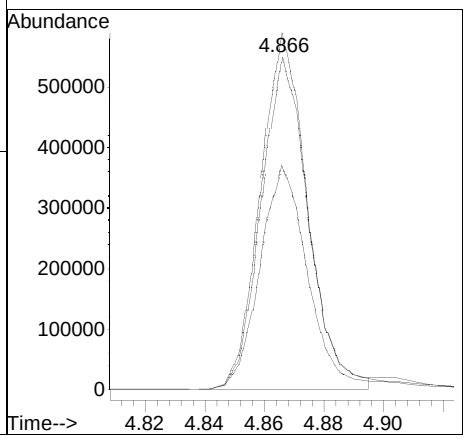


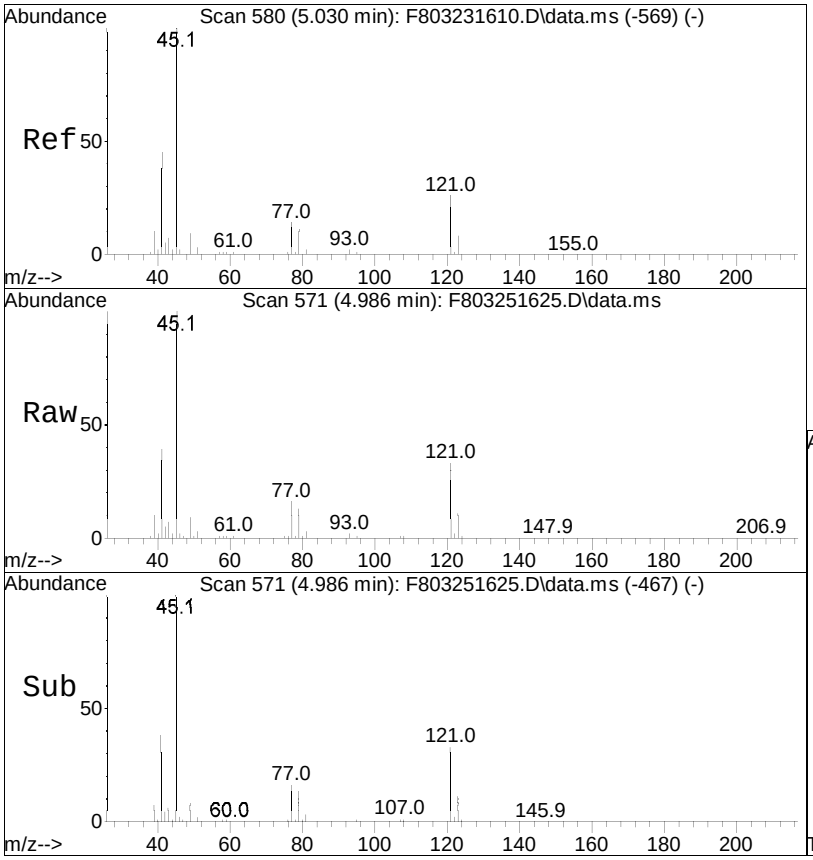


#14
Benzyl alcohol
Concen: 7.96 ug/mL
RT: 4.866 min Scan# 546
Delta R.T. -0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:108 Resp: 603502

Ion	Ratio	Lower	Upper
108	100		
79	110.0	84.5	126.7
77	70.5	52.9	79.3

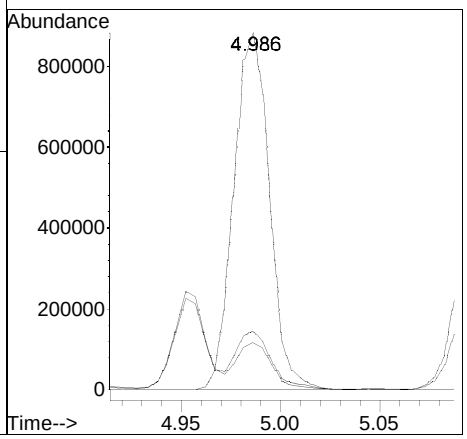


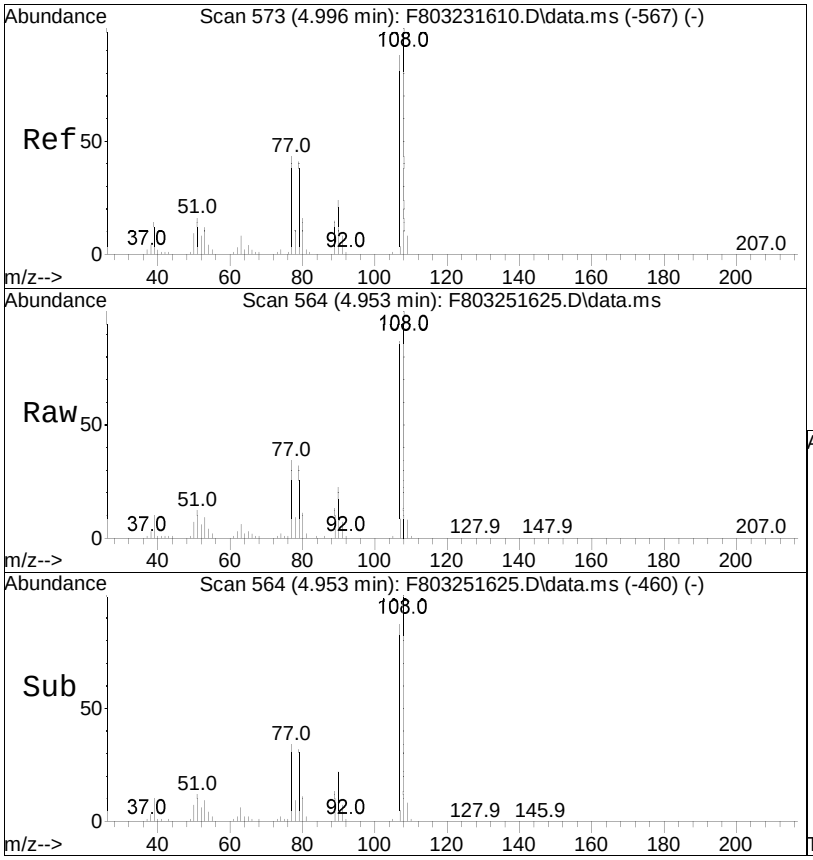


#15
bis(2-chloroisopropyl)ether
Concen: 8.53 ug/mL
RT: 4.986 min Scan# 571
Delta R.T. 0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion: 45 Resp: 1095937

Ion	Ratio	Lower	Upper
45	100		
77	16.0	13.2	19.8
79	12.8	10.9	16.3

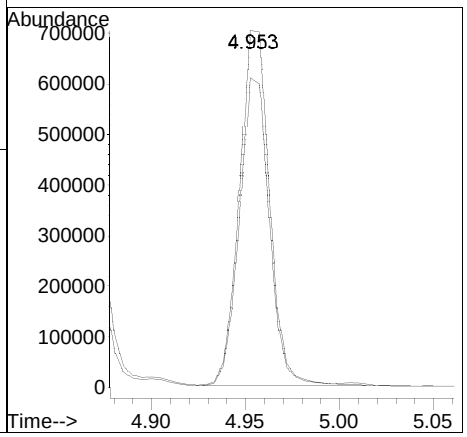


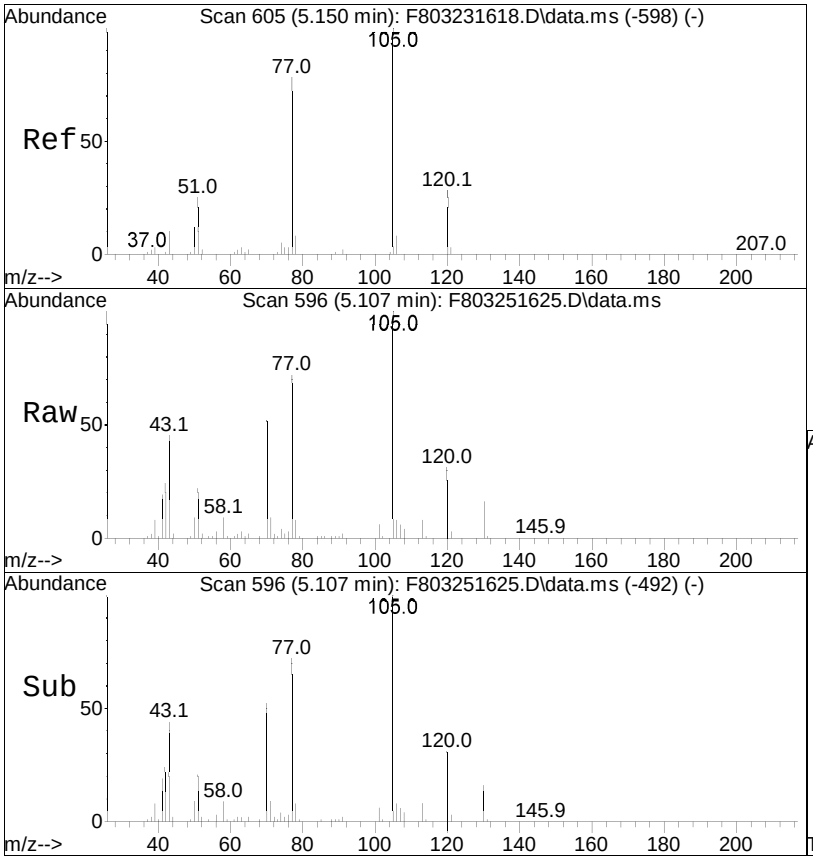


#16
2-Methylphenol
Concen: 7.73 ug/mL
RT: 4.953 min Scan# 564
Delta R.T. -0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:108 Resp: 784861

Ion	Ratio	Lower	Upper
108	100		
107	85.9	68.1	102.1

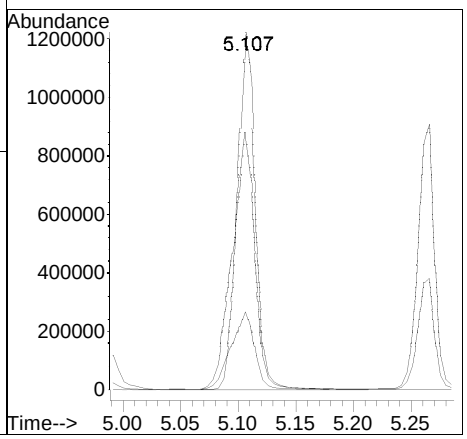


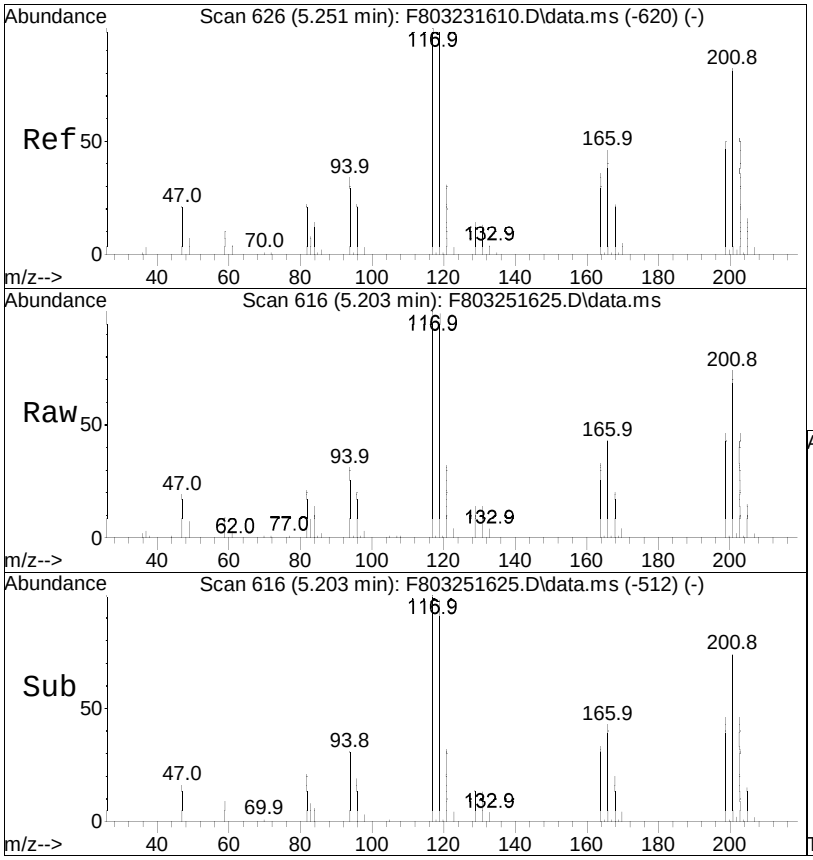


#17
Acetophenone
Concen: 9.25 ug/ml
RT: 5.107 min Scan# 596
Delta R.T. -0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:105 Resp: 1346437

Ion	Ratio	Lower	Upper
105	100		
77	88.8	57.2	85.8#
51	27.8	16.9	25.3#

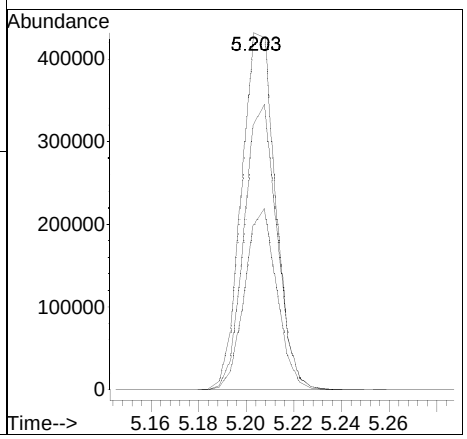


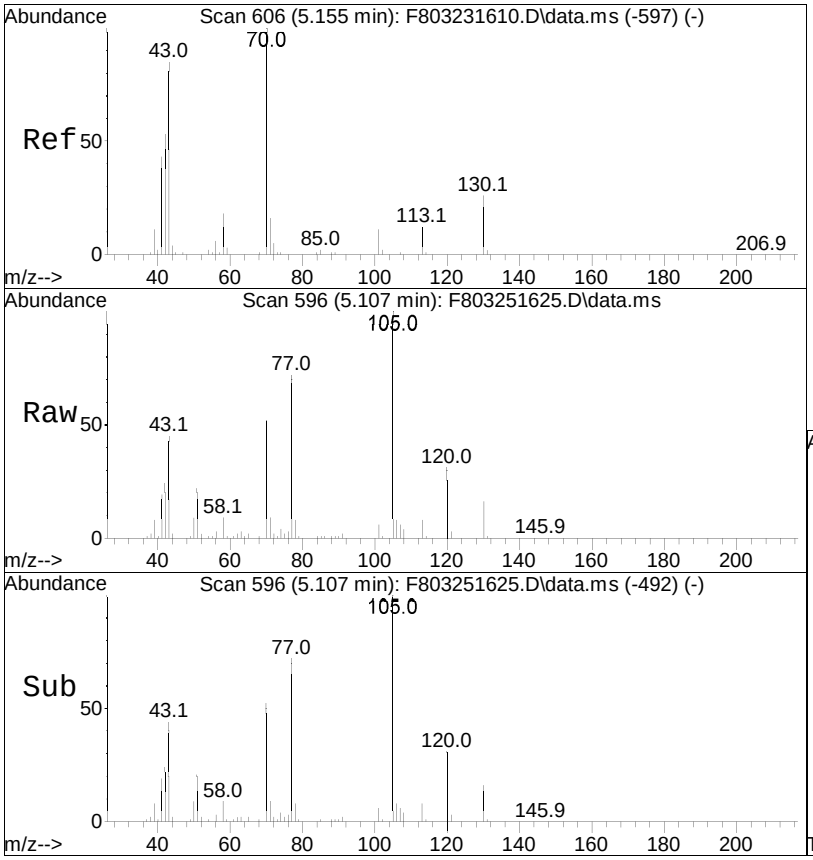


#18
Hexachloroethane
Concen: 8.08 ug/mL
RT: 5.203 min Scan# 616
Delta R.T. -0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:117 Resp: 427197

Ion	Ratio	Lower	Upper
117	100		
201	77.1	62.8	94.2
199	48.2	39.0	58.4

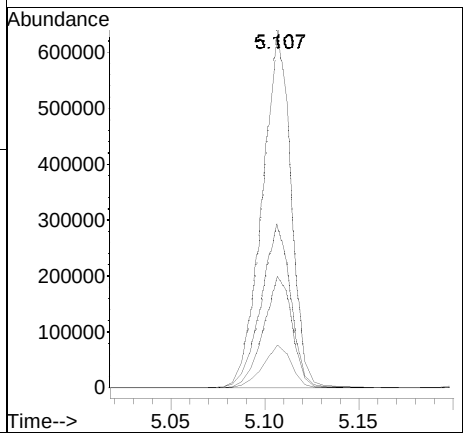


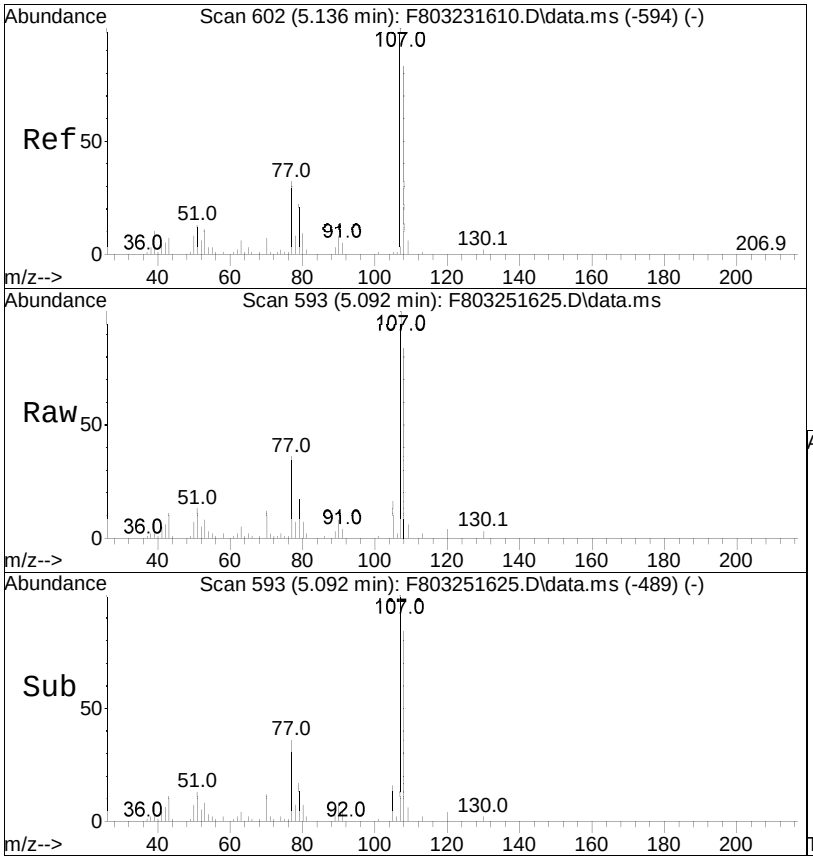


#19
N-Nitroso-di-n-propylamine
Concen: 8.92 ug/mL
RT: 5.107 min Scan# 596
Delta R.T. -0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion: 70 Resp: 677390

Ion	Ratio	Lower	Upper
70	100		
42	46.8	37.1	55.7
130	31.3	24.0	36.0
101	11.9	9.2	13.8

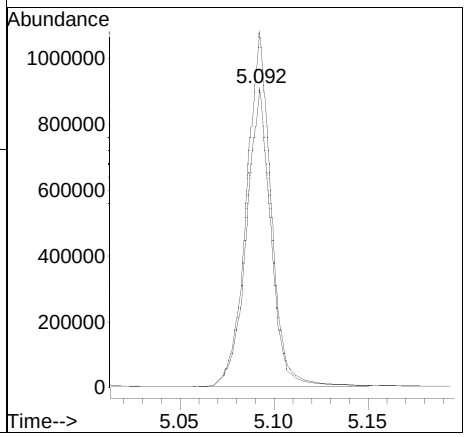


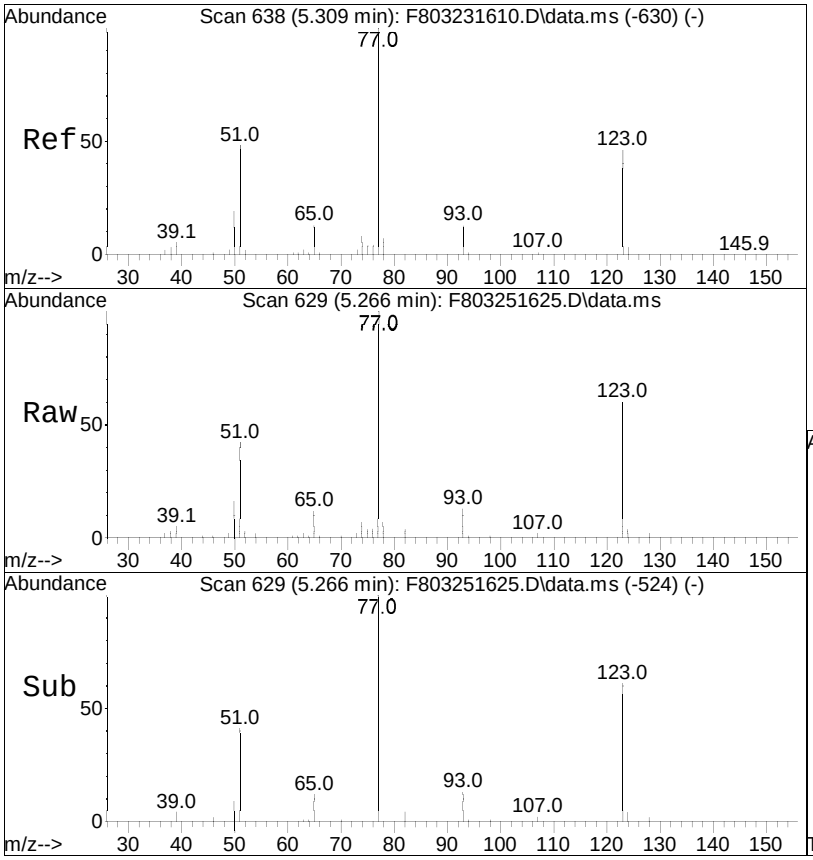


#20
4-Methylphenol
Concen: 7.66 ug/mL
RT: 5.092 min Scan# 593
Delta R.T. 0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:108 Resp: 826234

Ion	Ratio	Lower	Upper
108	100		
107	120.0	94.6	142.0

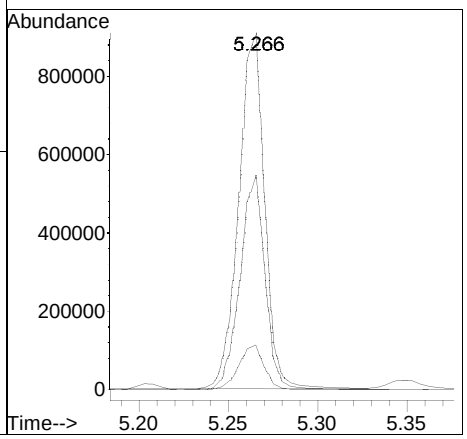


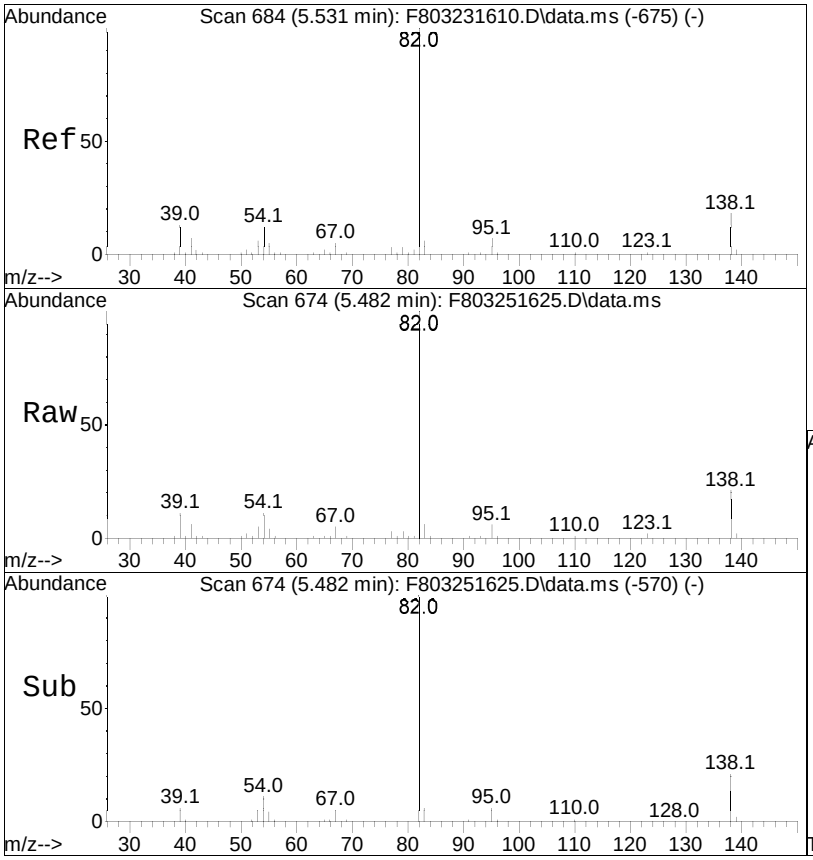


#23
Nitrobenzene
Concen: 9.36 ug/mL
RT: 5.266 min Scan# 629
Delta R.T. 0.005 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion: 77 Resp: 900174

Ion	Ratio	Lower	Upper
77	100		
123	59.1	45.4	68.2
65	12.6	10.2	15.4

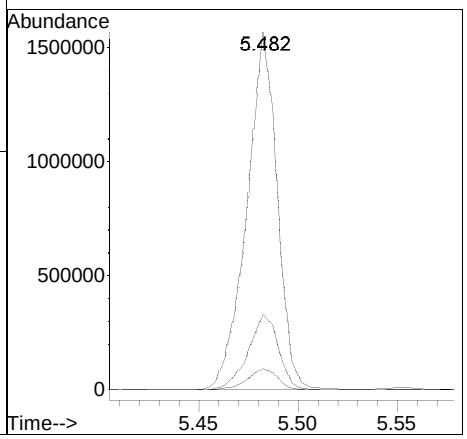


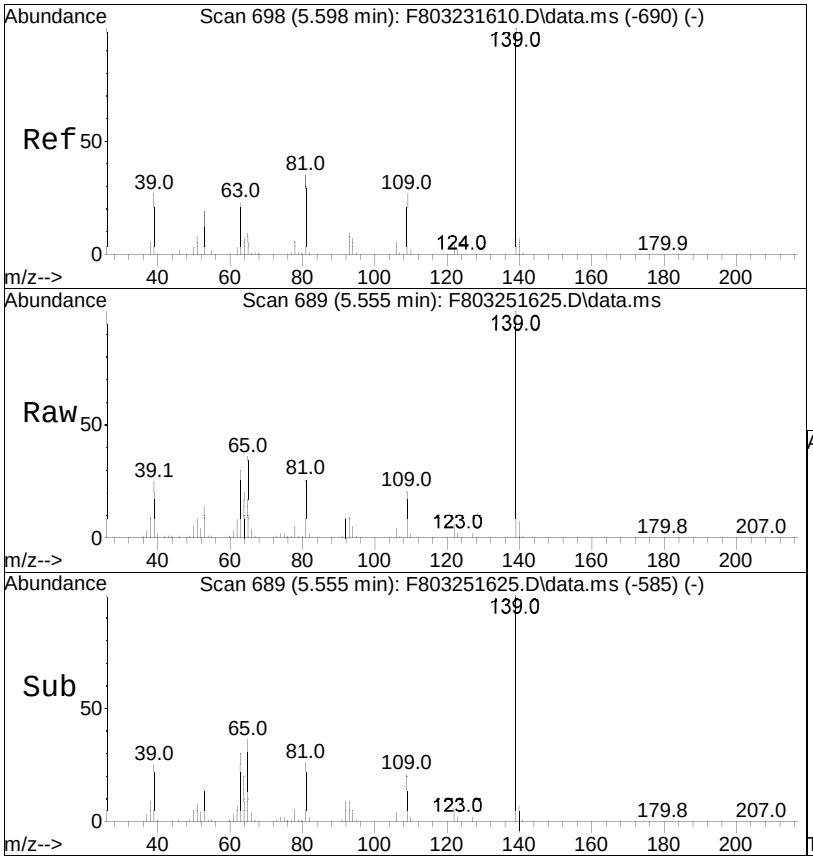


#24
Isophorone
Concen: 9.55 ug/mL
RT: 5.482 min Scan# 674
Delta R.T. 0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion: 82 Resp: 1648712

Ion	Ratio	Lower	Upper
82	100		
138	21.4	17.0	25.4
95	6.1	4.9	7.3

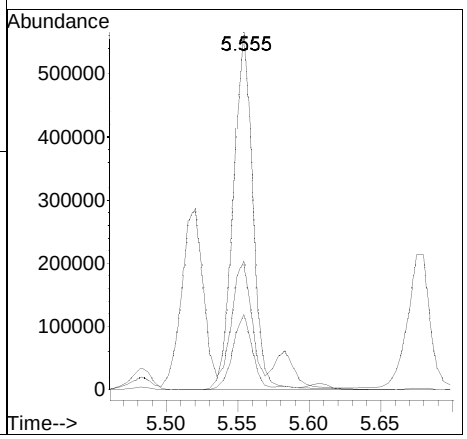


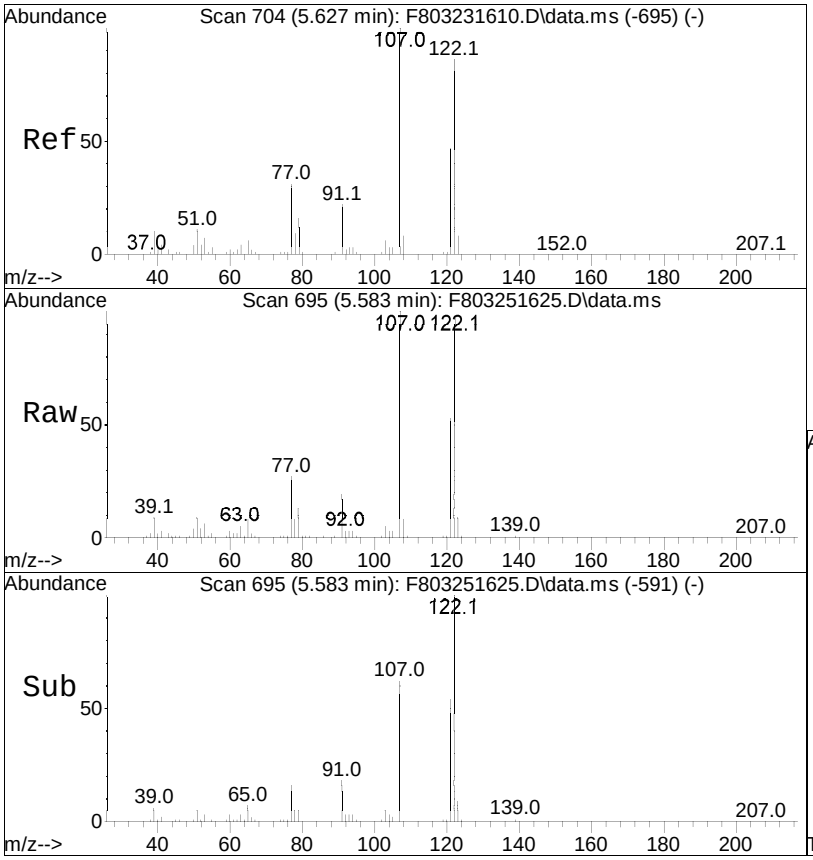


#25
2-Nitrophenol
Concen: 9.41 ug/mL
RT: 5.555 min Scan# 689
Delta R.T. -0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:139 Resp: 542473

Ion	Ratio	Lower	Upper
139	100		
65	37.3	28.4	42.6
109	20.7	16.3	24.5

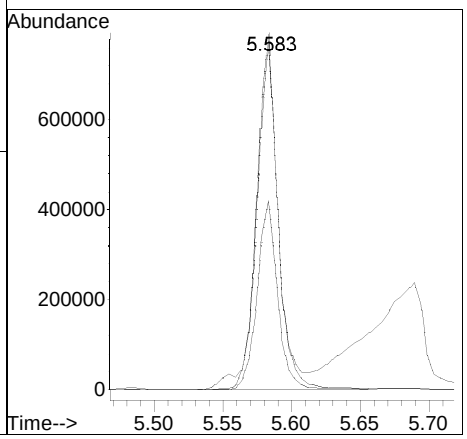


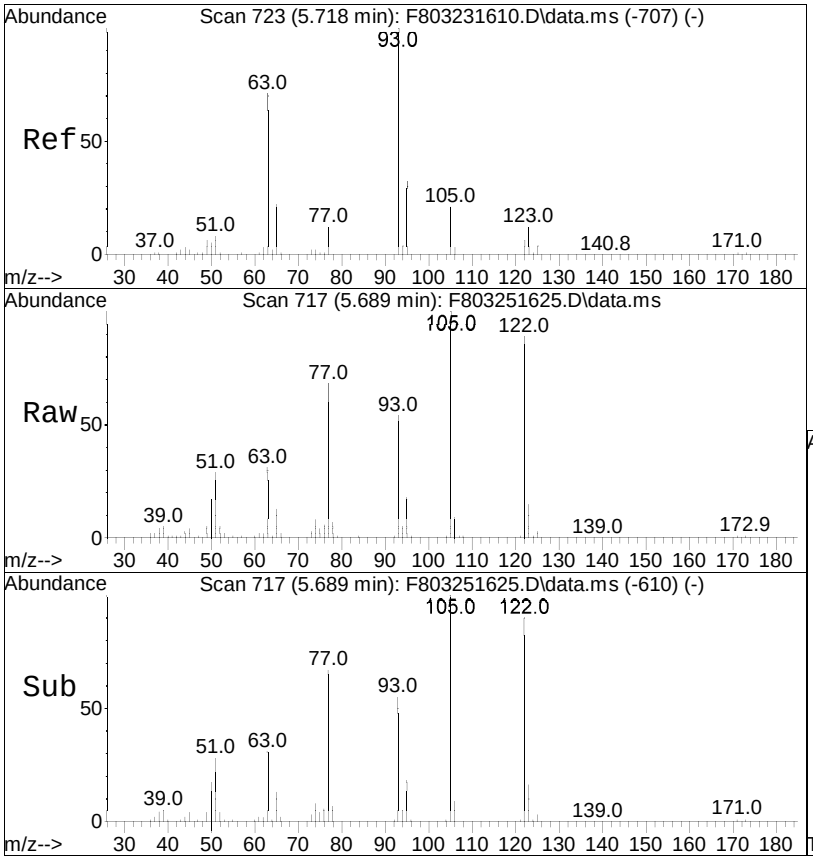


#26
2,4-Dimethylphenol
Concen: 8.89 ug/mL
RT: 5.583 min Scan# 695
Delta R.T. 0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:107 Resp: 834930

Ion	Ratio	Lower	Upper
107	100		
122	97.1	78.4	117.6
121	52.5	43.0	64.6

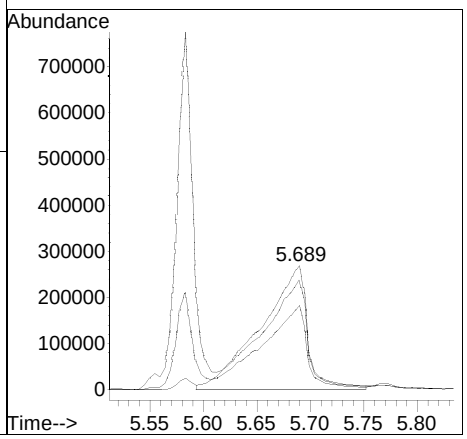


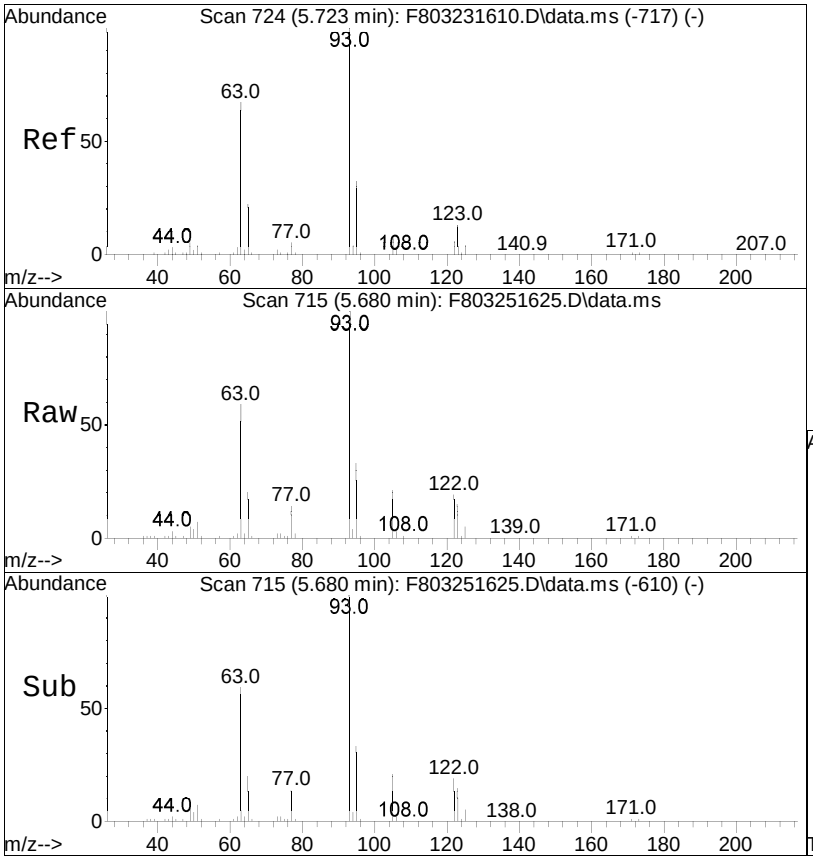


#27
Benzoic acid
Concen: 13.30 ug/mL M4
RT: 5.689 min Scan# 717
Delta R.T. 0.014 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:105 Resp: 814777

Ion	Ratio	Lower	Upper
105	100		
122	85.9	70.9	106.3
77	62.8	53.4	80.0

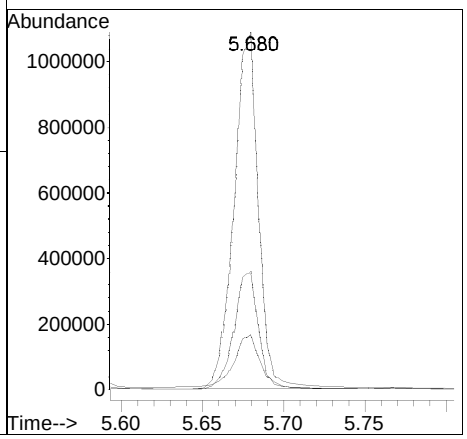


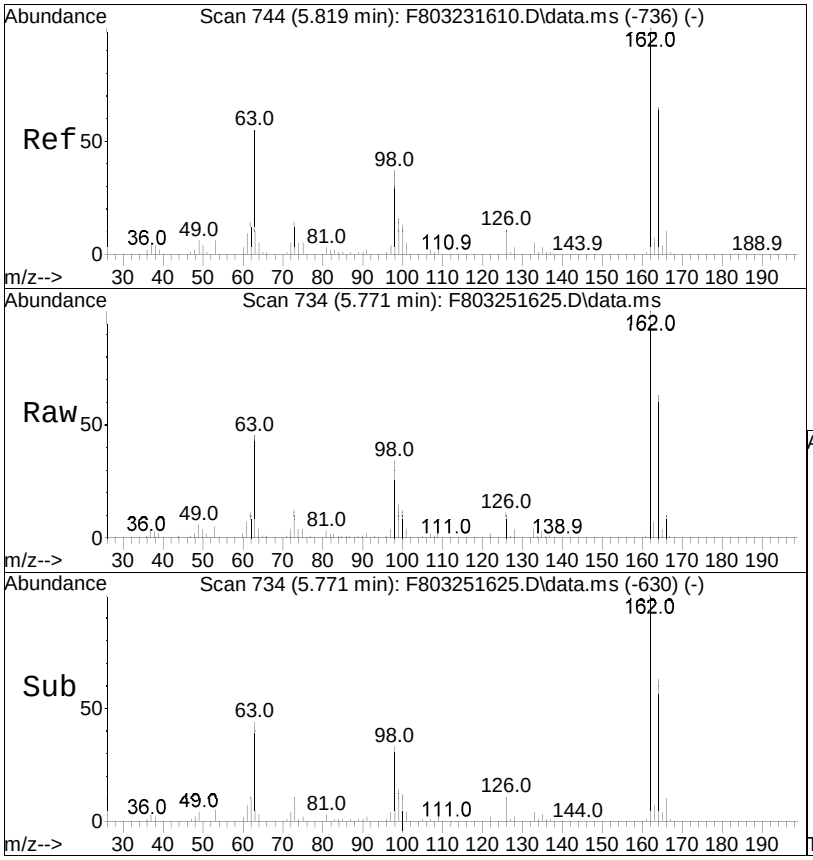


#28
bis(2-Chloroethoxy)methane
Concen: 9.36 ug/mL
RT: 5.680 min Scan# 715
Delta R.T. 0.005 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion: 93 Resp: 1134726

Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.7	40.1
123	18.0	11.9	17.9#

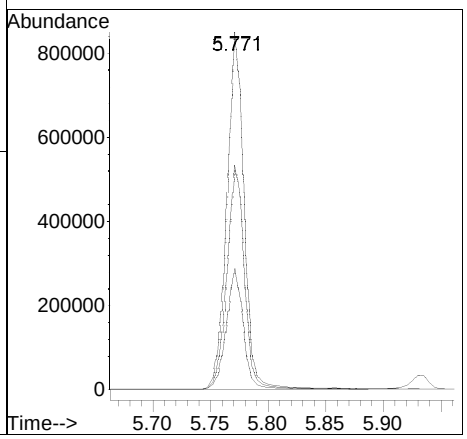


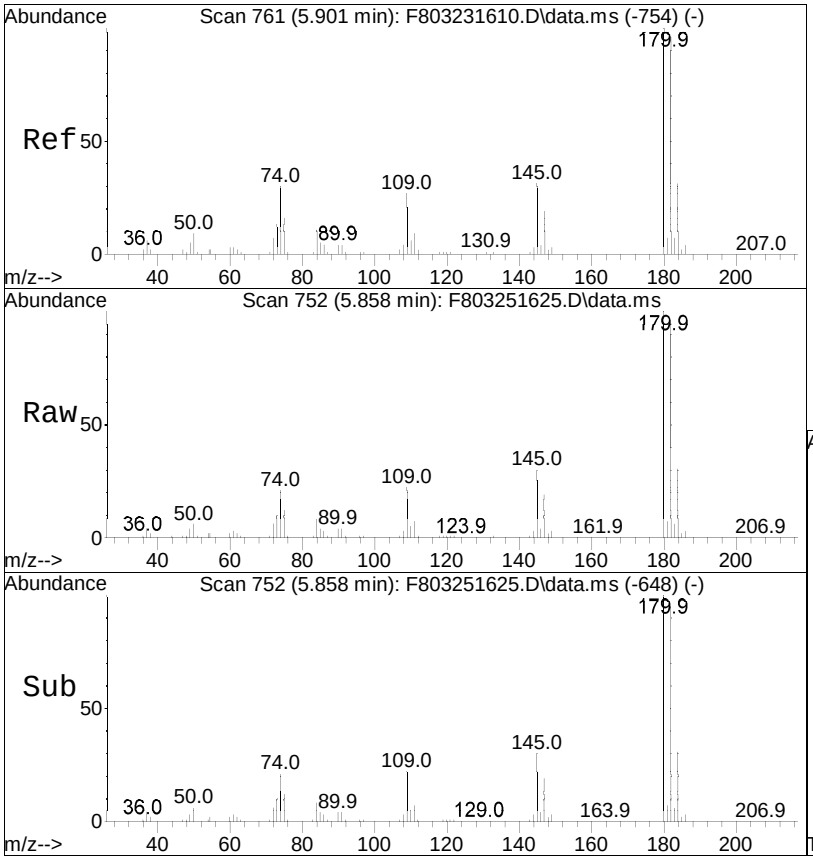


#29
2,4-Dichlorophenol
Concen: 9.56 ug/mL
RT: 5.771 min Scan# 734
Delta R.T. 0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:162 Resp: 868328

Ion	Ratio	Lower	Upper
162	100		
164	63.3	50.8	76.2
98	33.4	26.3	39.5

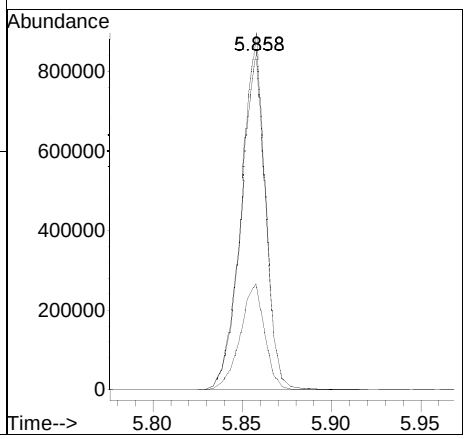


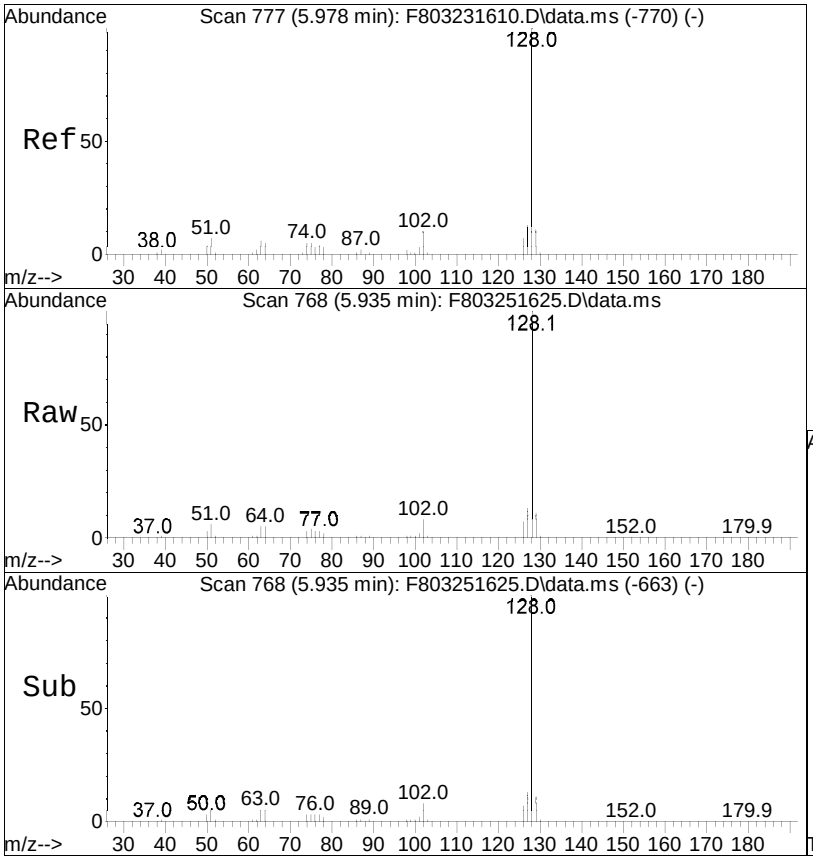


#30
1,2,4-Trichlorobenzene
Concen: 8.65 ug/mL
RT: 5.858 min Scan# 752
Delta R.T. -0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:180 Resp: 840321

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.2	114.4
145	30.3	23.6	35.4

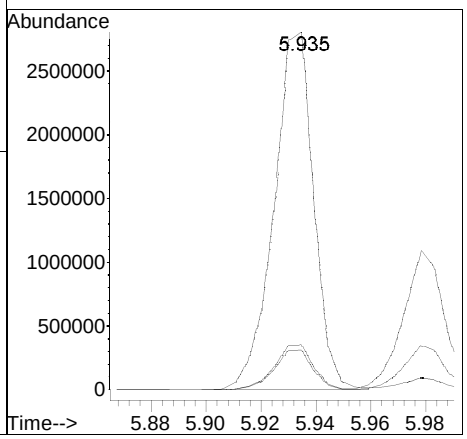


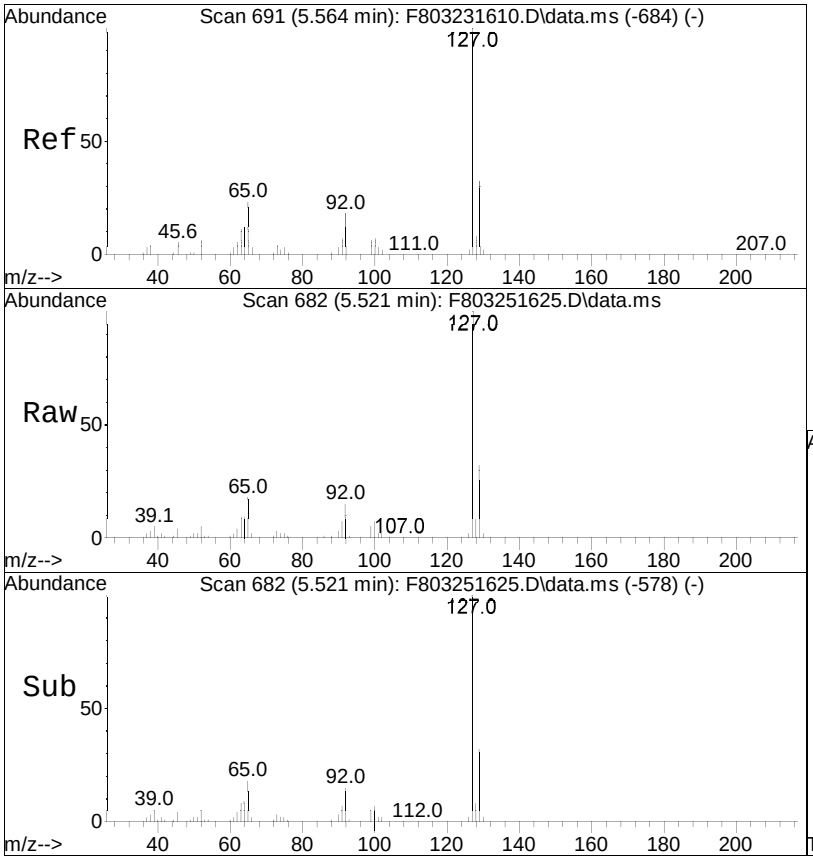


#31
Naphthalene
Concen: 8.79 ug/mL
RT: 5.935 min Scan# 768
Delta R.T. 0.005 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:128 Resp: 2800546

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	12.8	10.0	15.0

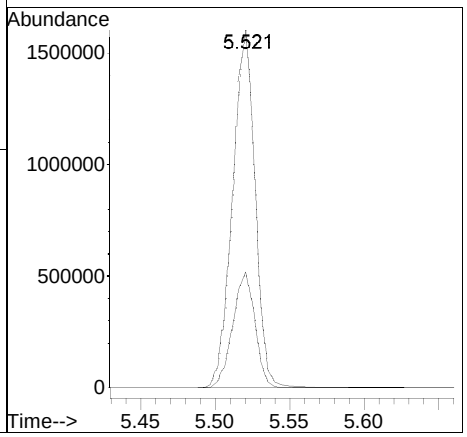


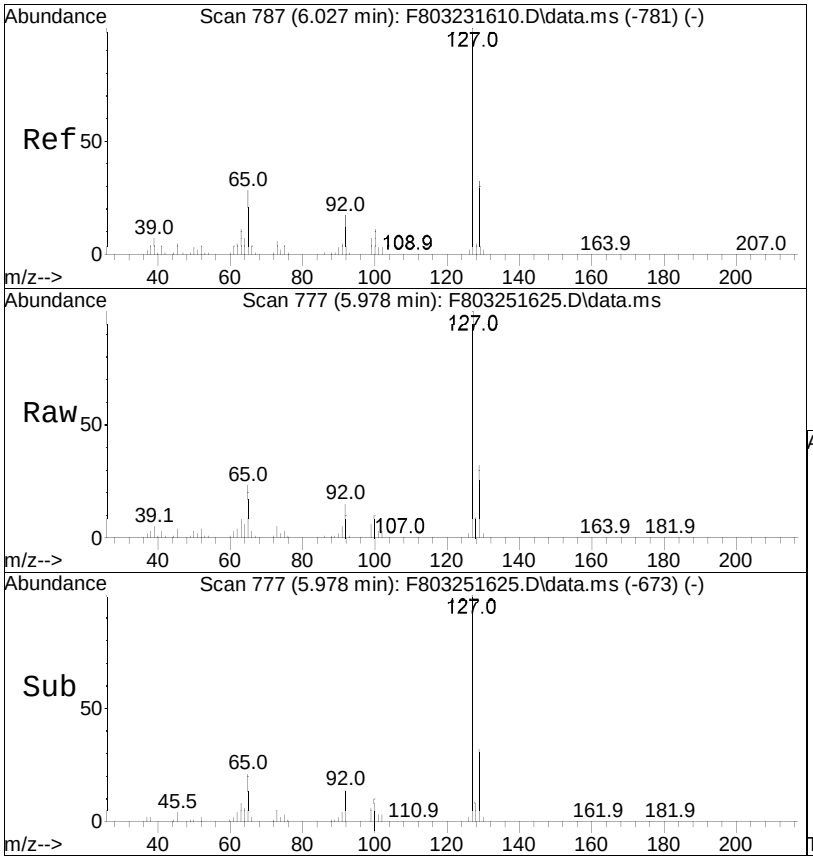


#32
2-Chloroaniline
Concen: 10.01 ug/ml
RT: 5.521 min Scan# 682
Delta R.T. -0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:127 Resp: 1673316

Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.2	39.4

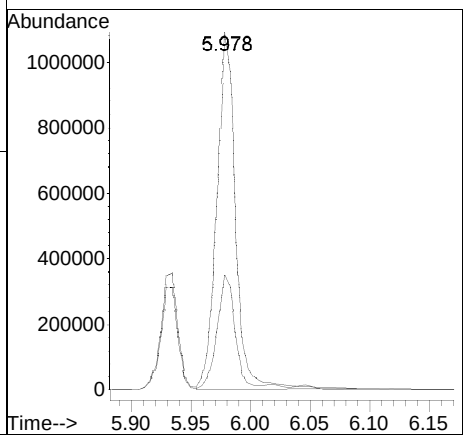


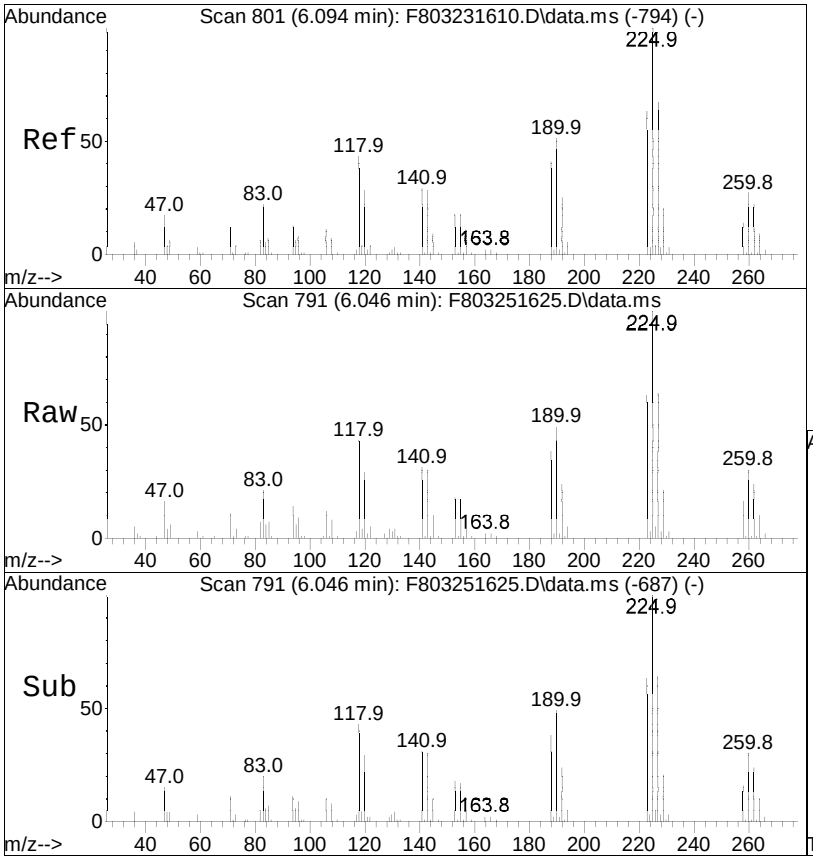


#33
4-Chloroaniline
Concen: 8.61 ug/mL
RT: 5.978 min Scan# 777
Delta R.T. 0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:127 Resp: 1181056

Ion	Ratio	Lower	Upper
127	100		
129	31.2	25.8	38.6

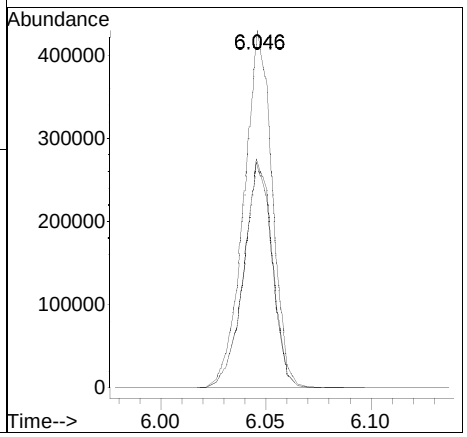


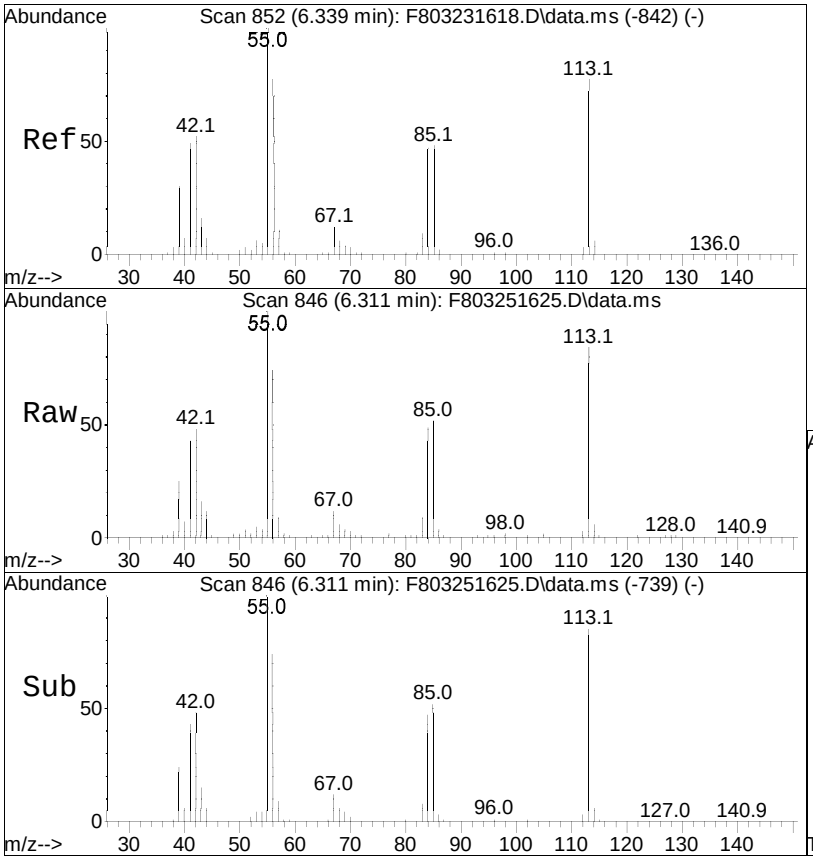


#34
Hexachlorobutadiene
Concen: 8.54 ug/mL
RT: 6.046 min Scan# 791
Delta R.T. -0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:225 Resp: 402597

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.8	76.2
227	64.6	51.1	76.7

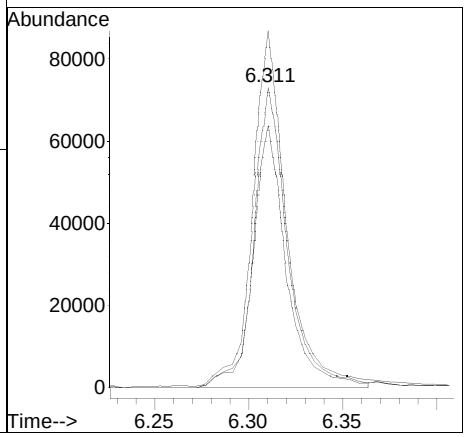


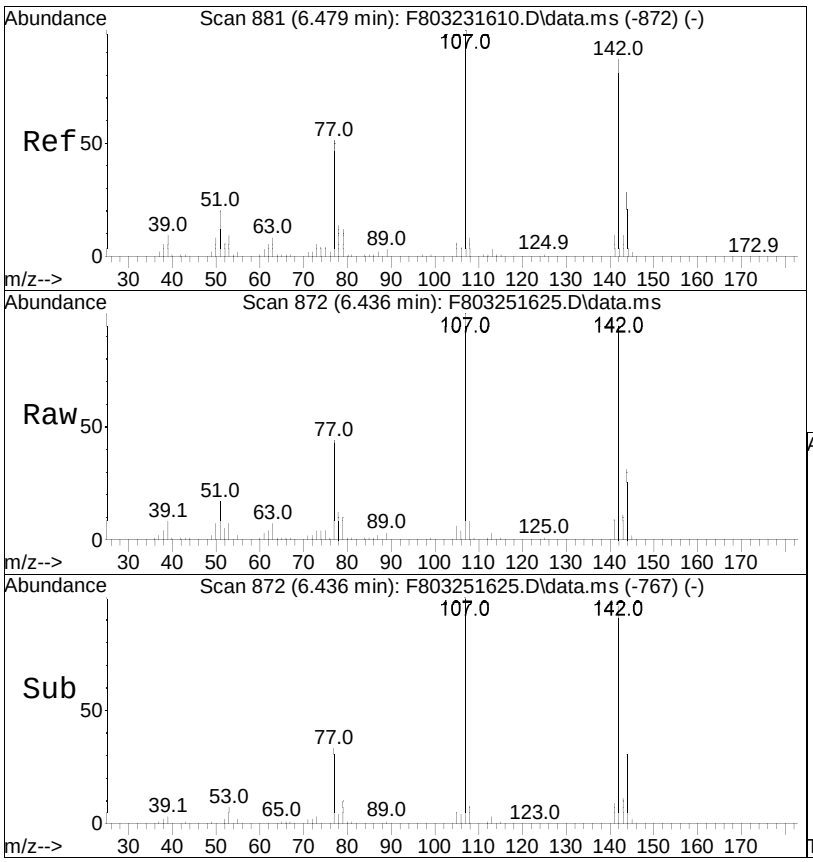


#35
Caprolactam
Concen: 2.85 ug/ml
RT: 6.311 min Scan# 846
Delta R.T. 0.015 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:113 Resp: 91698

Ion	Ratio	Lower	Upper
113	100		
55	121.0	92.7	139.1
56	86.1	66.8	100.2

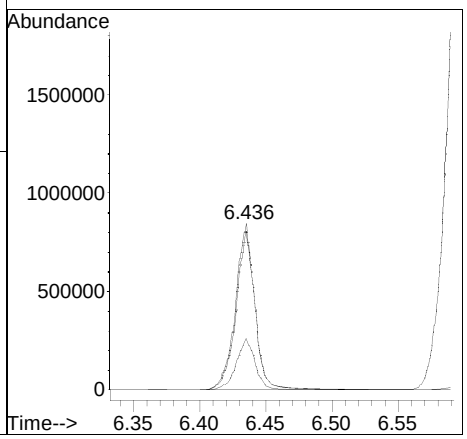


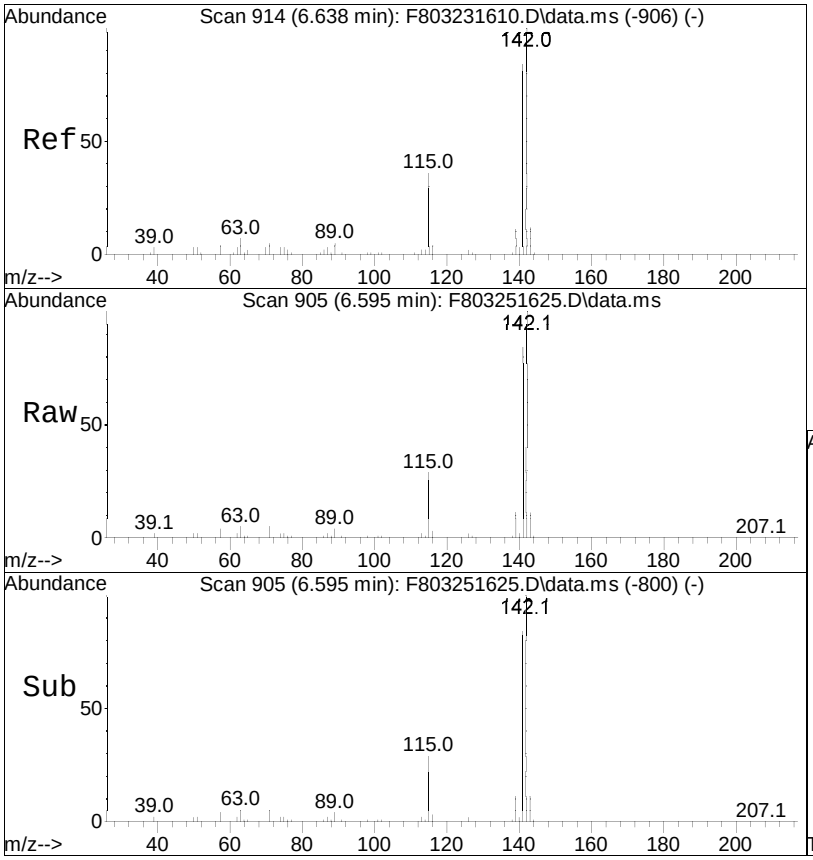


#36
4-Chloro-3-methylphenol
Concen: 9.82 ug/mL
RT: 6.436 min Scan# 872
Delta R.T. 0.005 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:107 Resp: 863550

Ion	Ratio	Lower	Upper
107	100		
144	30.2	24.3	36.5
142	94.3	74.4	111.6

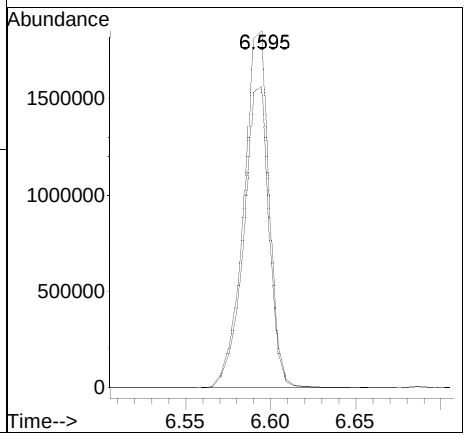


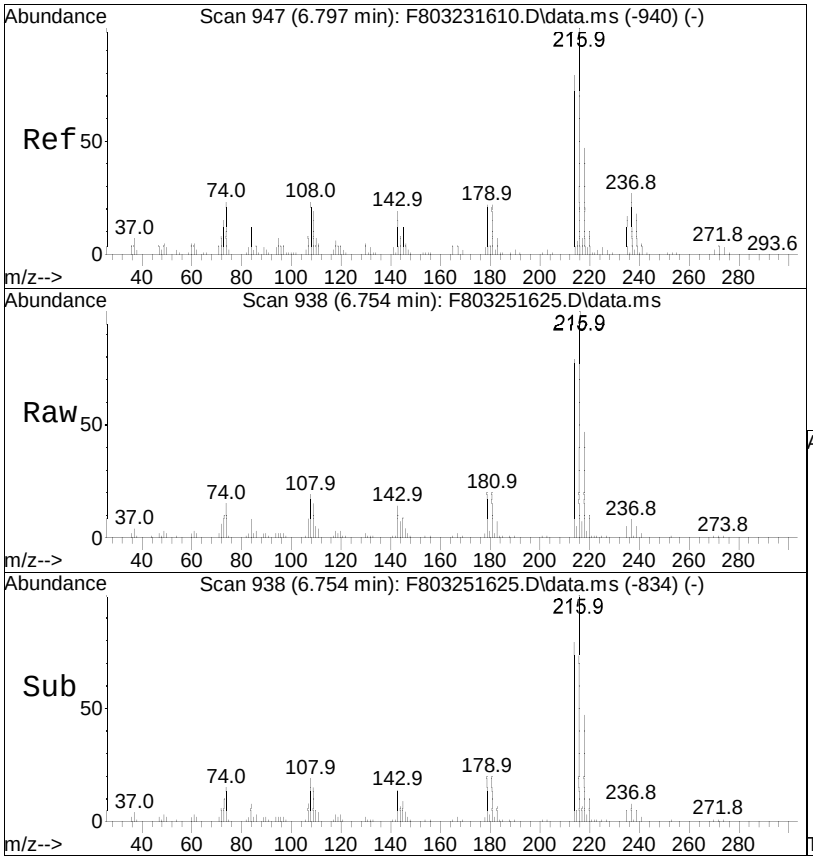


#37
2-Methylnaphthalene
Concen: 9.28 ug/mL
RT: 6.595 min Scan# 905
Delta R.T. 0.005 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:142 Resp: 1931255

Ion	Ratio	Lower	Upper
142	100		
141	84.2	66.6	100.0

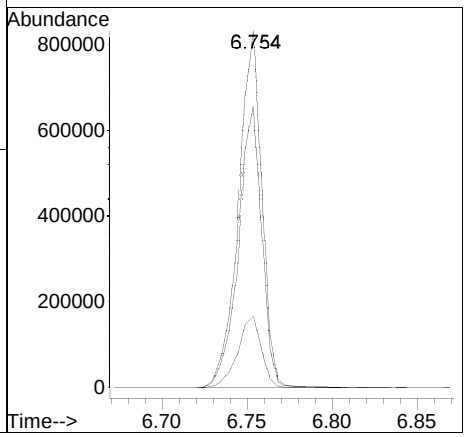


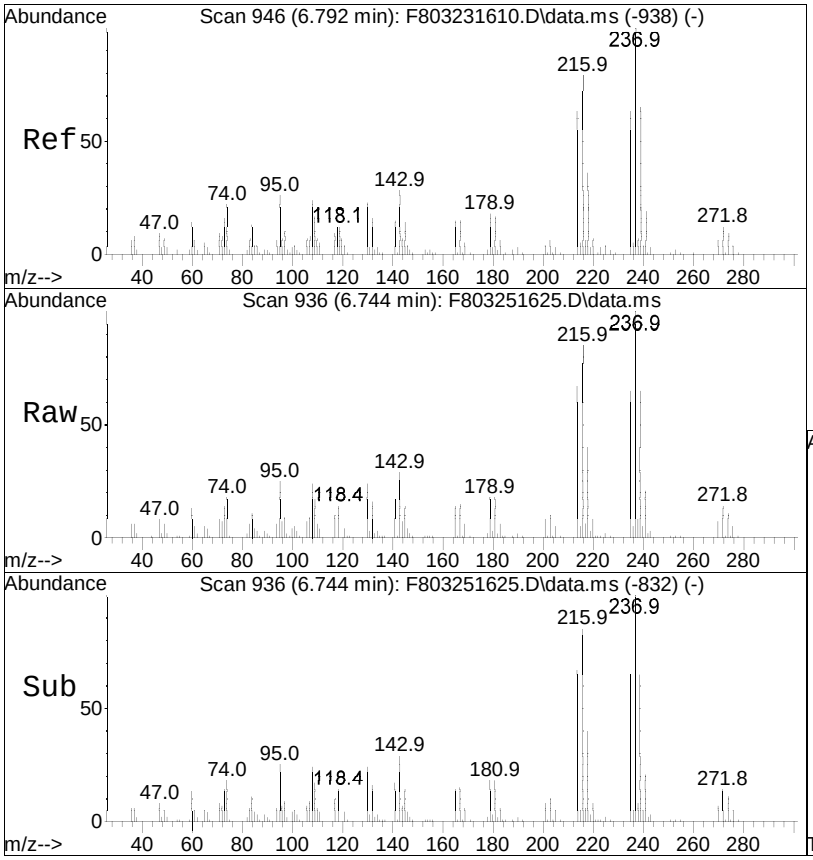


#39
1,2,4,5-Tetrachlorobenzene
Concen: 10.02 ug/mL
RT: 6.754 min Scan# 938
Delta R.T. -0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:216 Resp: 794396

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.0	94.6
179	20.6	16.2	24.4

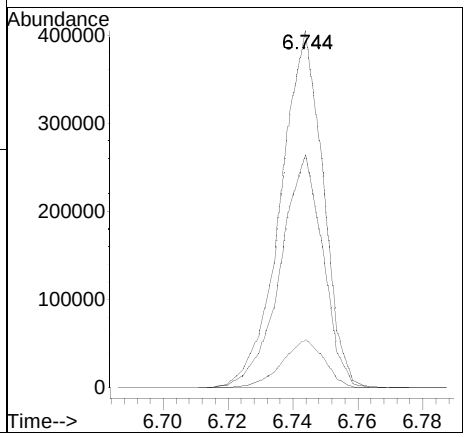


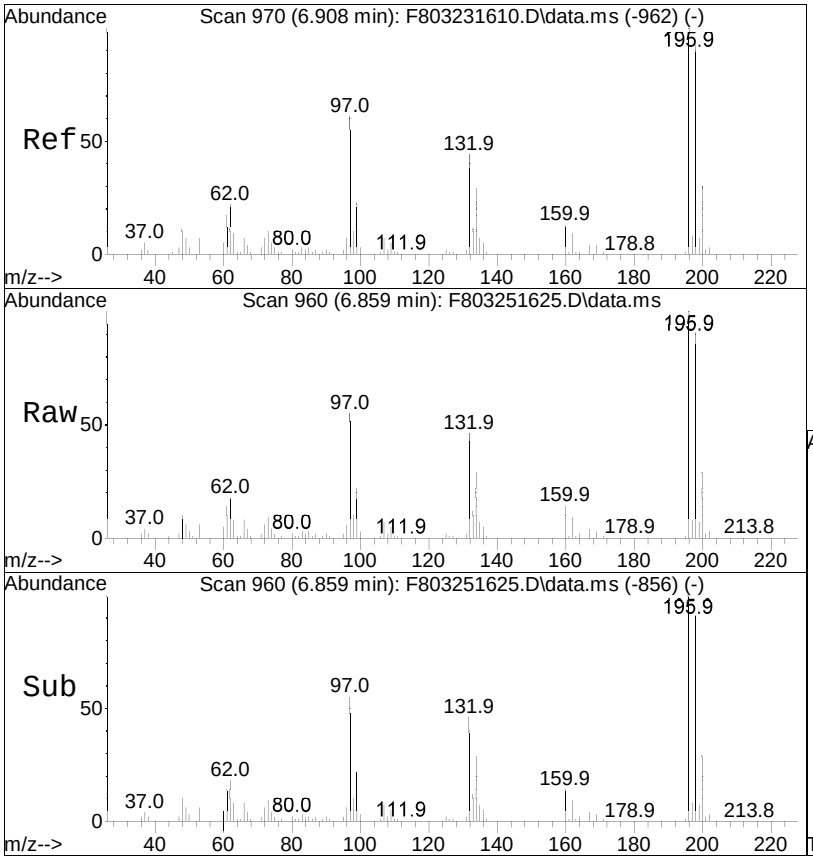


#40
Hexachlorocyclopentadiene
Concen: 8.65 ug/mL
RT: 6.744 min Scan# 936
Delta R.T. -0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:237 Resp: 369343

Ion	Ratio	Lower	Upper
237	100		
235	65.4	53.3	79.9
272	13.4	10.9	16.3

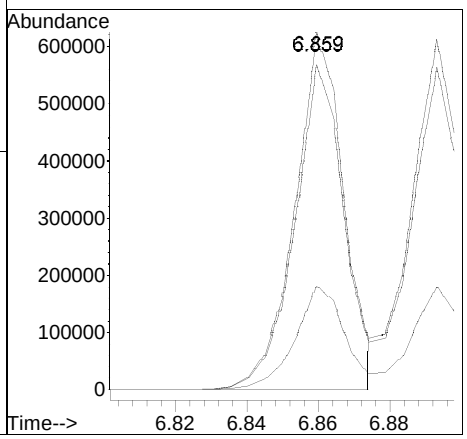


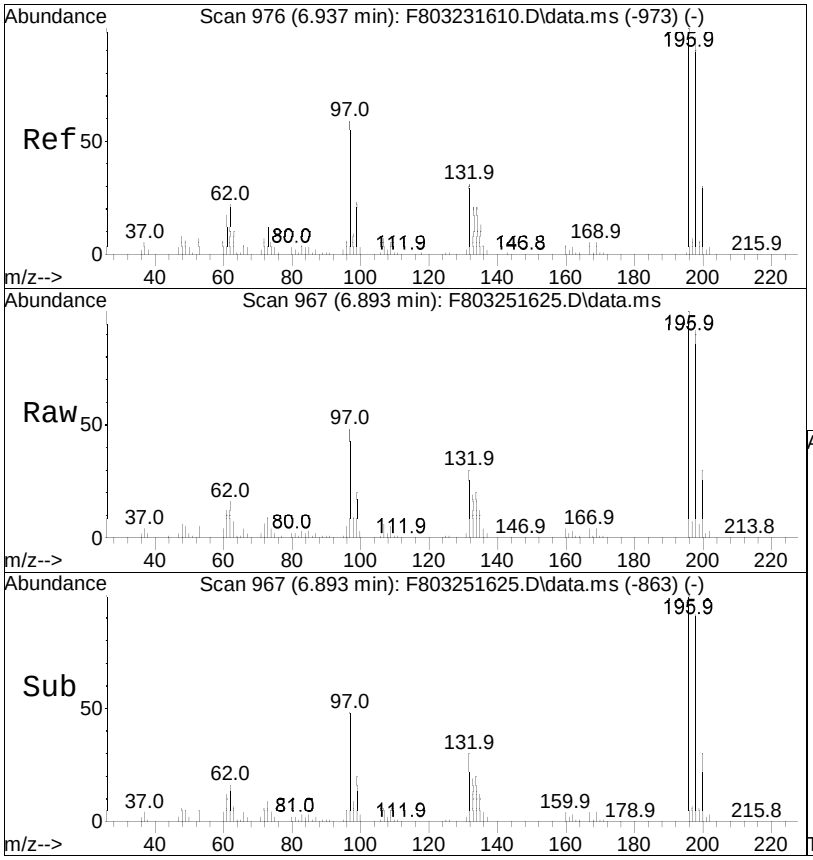


#41
2,4,6-Trichlorophenol
Concen: 9.82 ug/mL
RT: 6.859 min Scan# 960
Delta R.T. -0.001 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:196 Resp: 596153

Ion	Ratio	Lower	Upper
196	100		
198	91.5	73.6	110.4
200	29.3	23.5	35.3

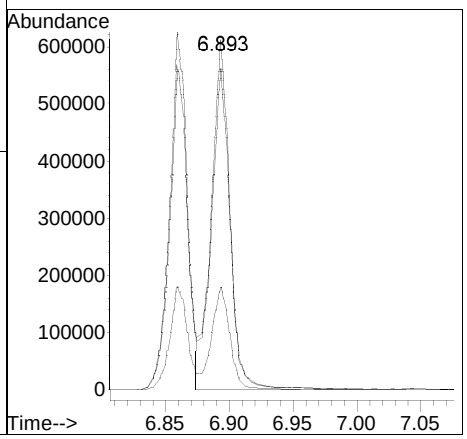


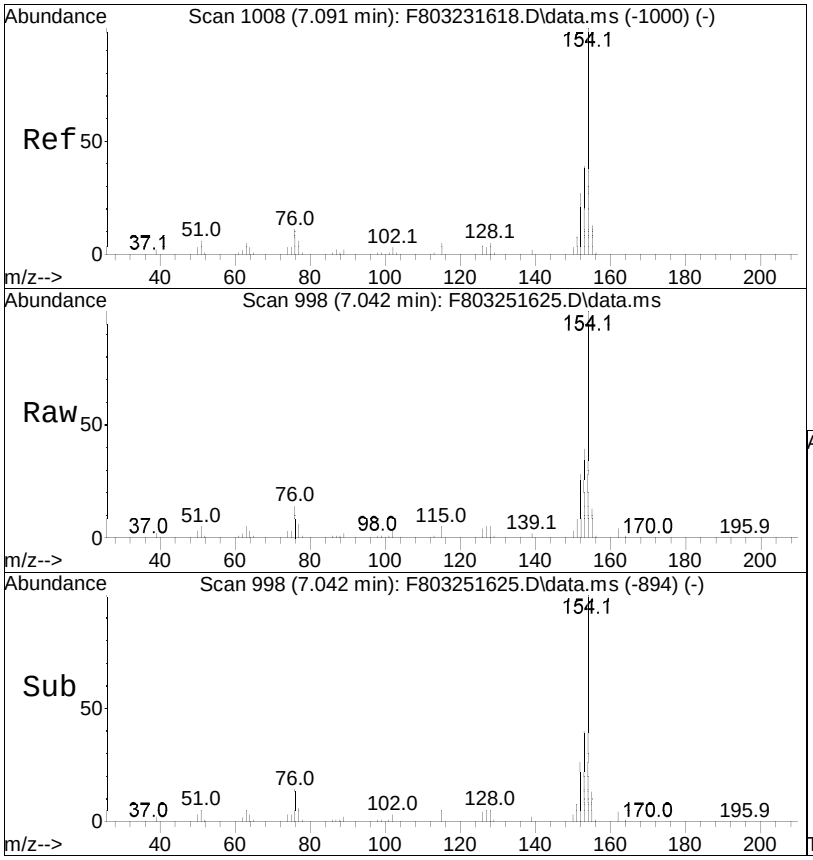


#42
2,4,5-Trichlorophenol
Concen: 10.21 ug/mL
RT: 6.893 min Scan# 967
Delta R.T. 0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:196 Resp: 614071

Ion	Ratio	Lower	Upper
196	100		
198	90.9	73.2	109.8
200	29.2	23.9	35.9

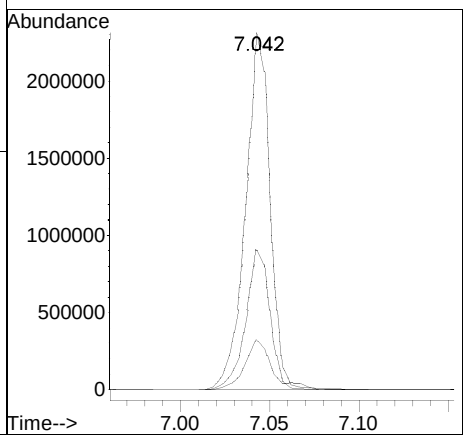


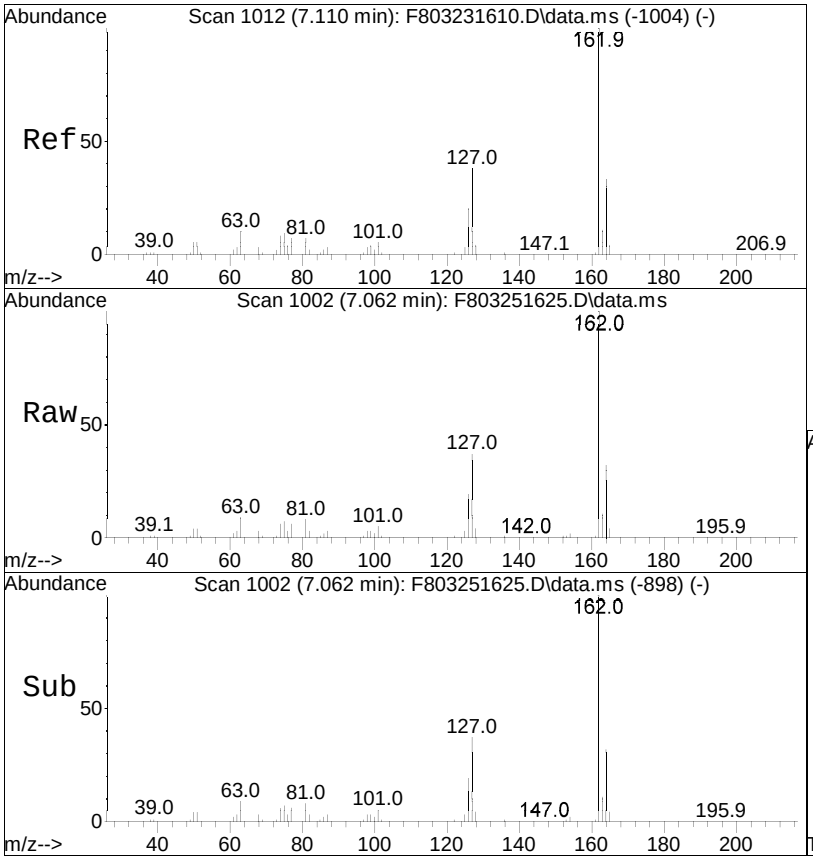


#44
Biphenyl
Concen: 9.13 ug/ml
RT: 7.042 min Scan# 998
Delta R.T. -0.001 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:154 Resp: 2198407

Ion	Ratio	Lower	Upper
154	100		
153	39.2	31.6	47.4
76	14.2	11.1	16.7

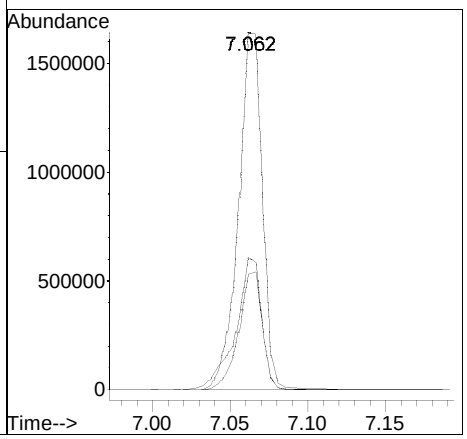


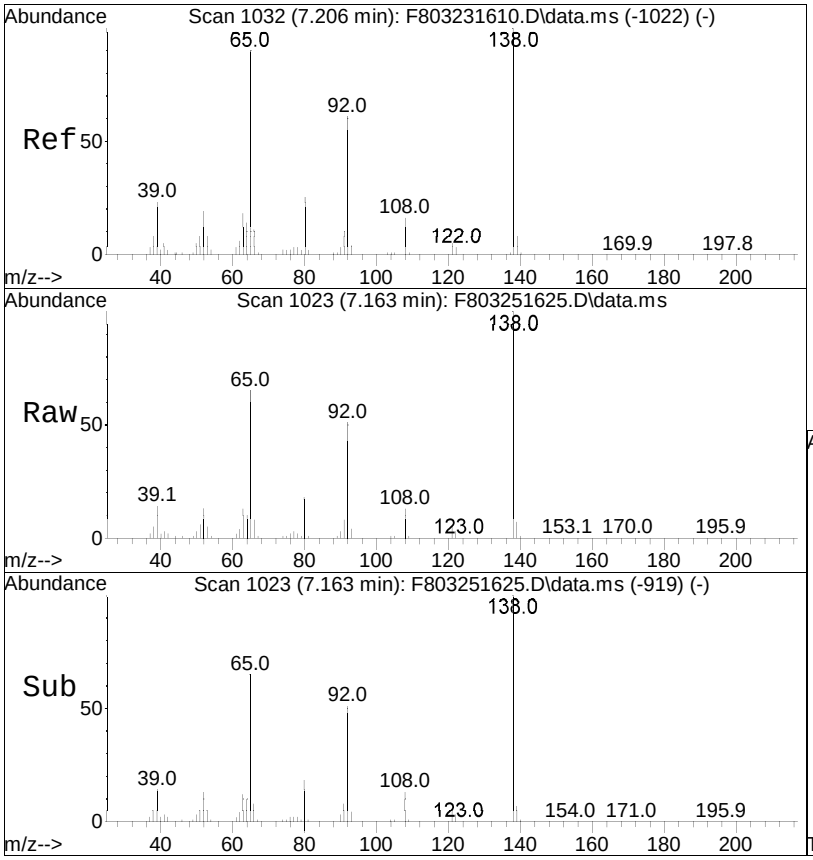


#45
2-Chloronaphthalene
Concen: 9.09 ug/mL
RT: 7.062 min Scan# 1002
Delta R.T. -0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:162 Resp: 1742657

Ion	Ratio	Lower	Upper
162	100		
164	32.4	26.4	39.6
127	40.5	30.2	45.2

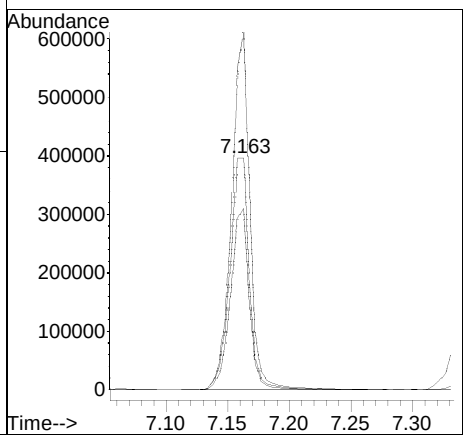


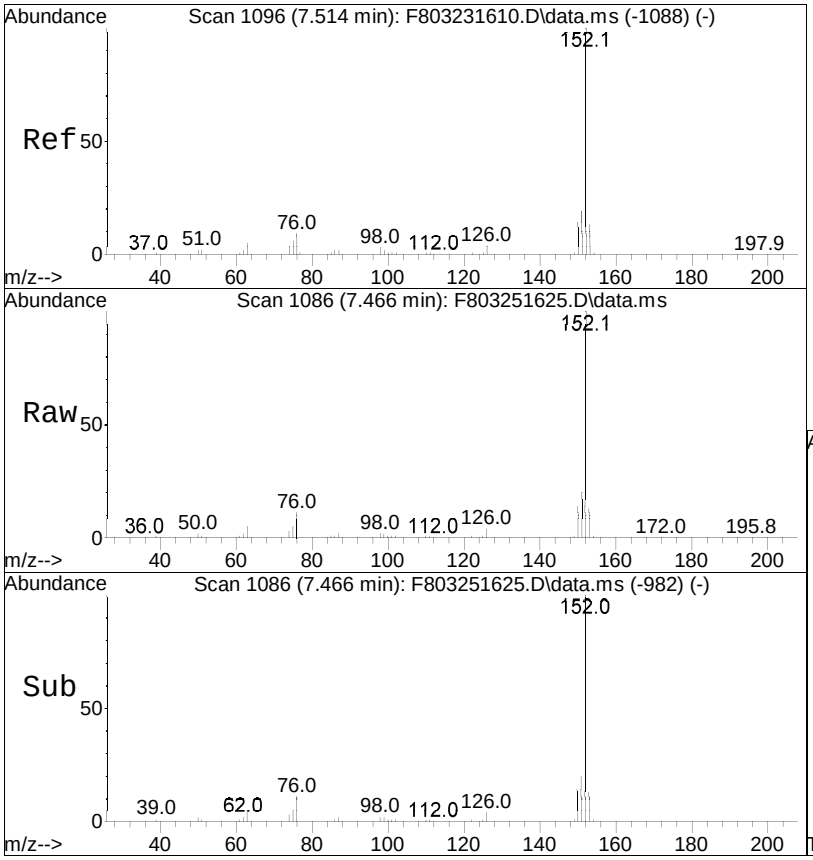


#46
2-Nitroaniline
Concen: 10.82 ug/mL
RT: 7.163 min Scan# 1023
Delta R.T. -0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion: 65 Resp: 431590

Ion	Ratio	Lower	Upper
65	100		
92	75.9	61.0	91.4
138	145.1	122.0	183.0

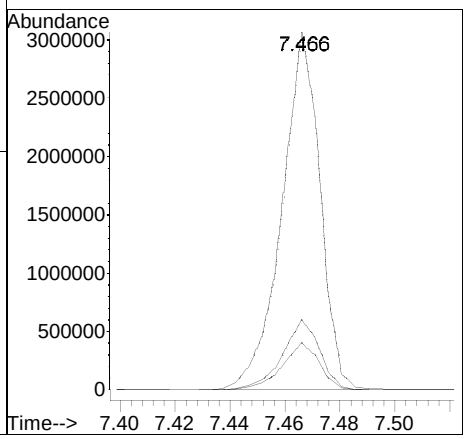


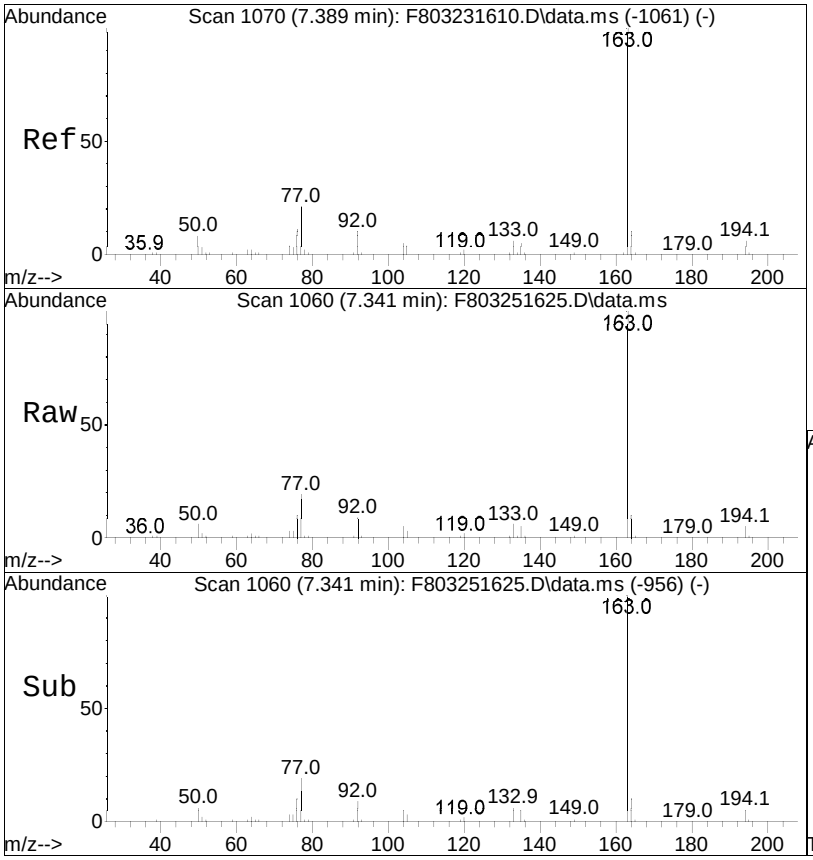


#47
Acenaphthylene
Concen: 9.27 ug/mL
RT: 7.466 min Scan# 1086
Delta R.T. 0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:152 Resp: 2932723

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.8	23.8
153	13.1	10.6	16.0

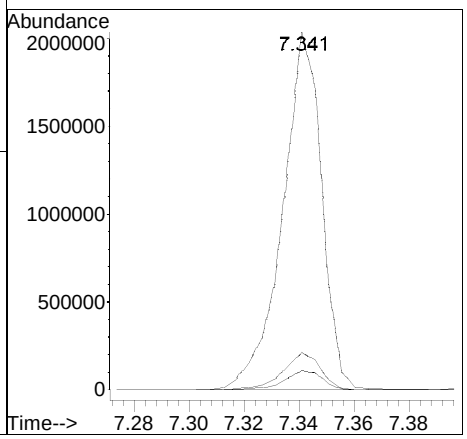


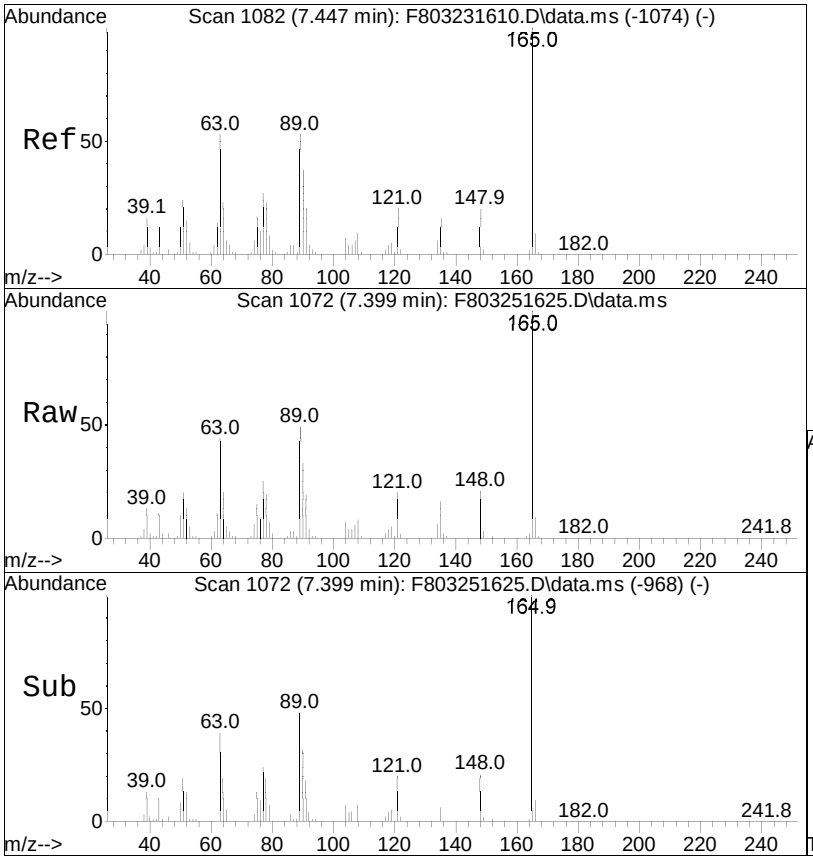


#48
Dimethylphthalate
Concen: 9.70 ug/mL
RT: 7.341 min Scan# 1060
Delta R.T. -0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:163 Resp: 1994373

Ion	Ratio	Lower	Upper
163	100		
194	5.5	4.4	6.6
164	10.3	8.3	12.5

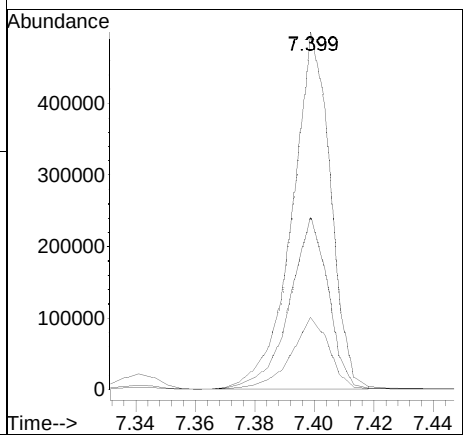


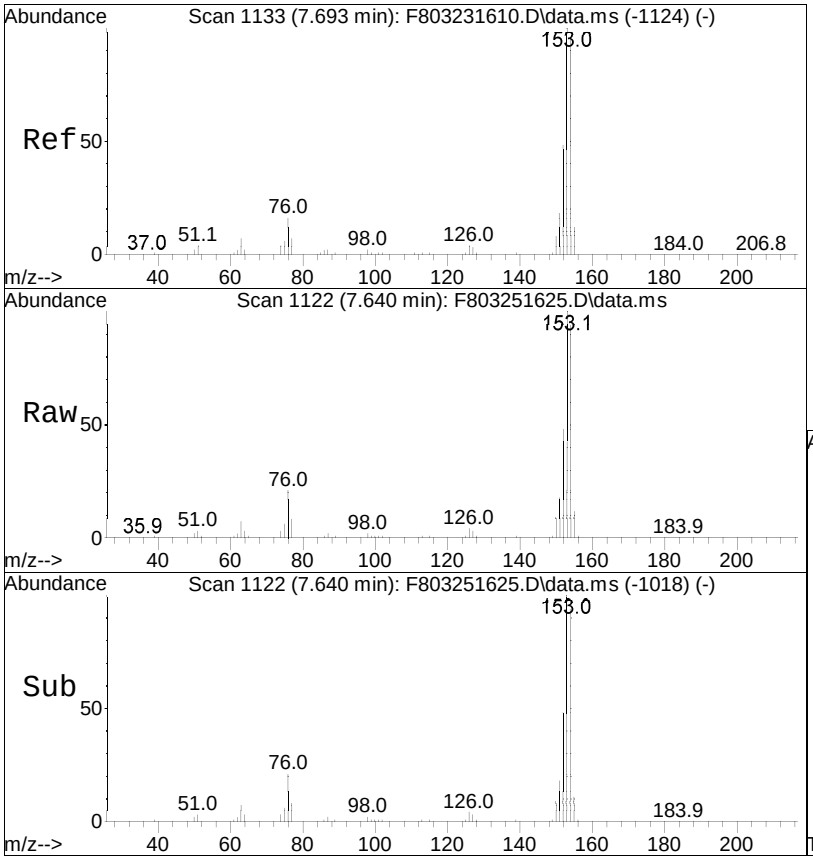


#49
2,6-Dinitrotoluene
Concen: 9.89 ug/mL
RT: 7.399 min Scan# 1072
Delta R.T. -0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:165 Resp: 447562

Ion	Ratio	Lower	Upper
165	100		
89	48.6	40.5	60.7
121	20.4	16.6	25.0

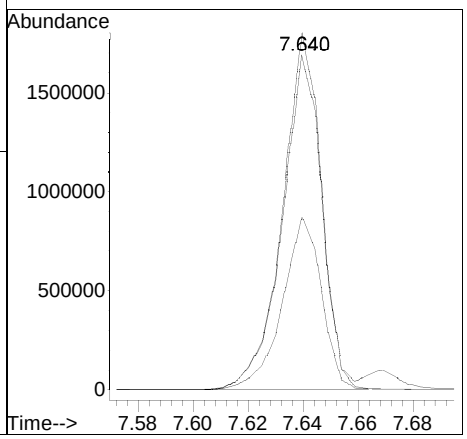


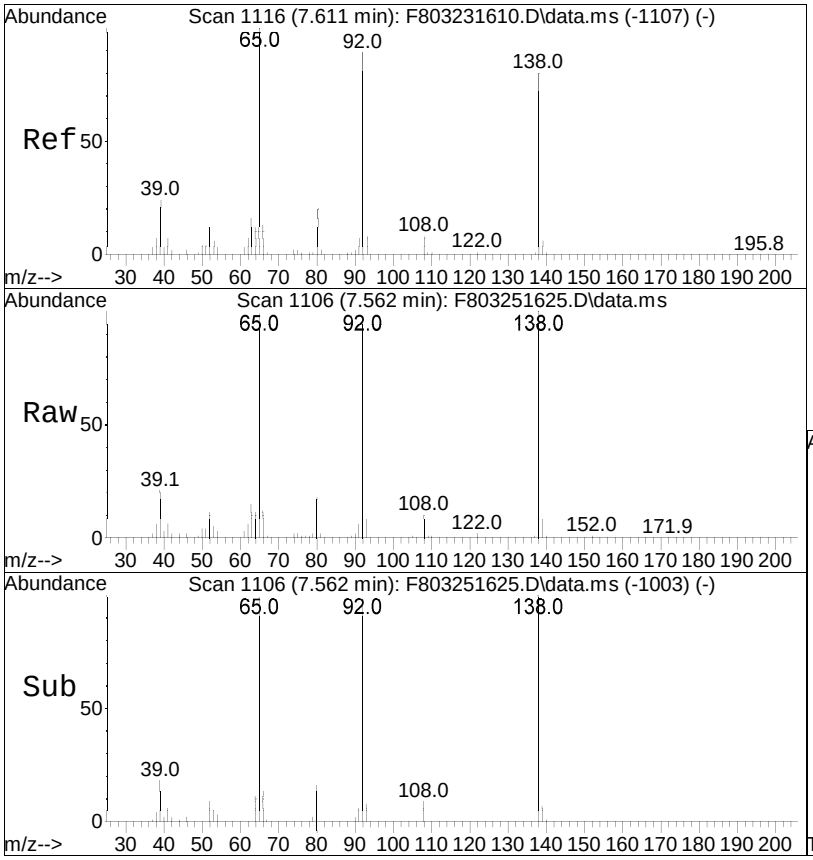


#50
Acenaphthene
Concen: 9.39 ug/mL
RT: 7.640 min Scan# 1122
Delta R.T. -0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:153 Resp: 1773678

Ion	Ratio	Lower	Upper
153	100		
154	95.7	75.4	113.0
152	48.4	39.3	58.9

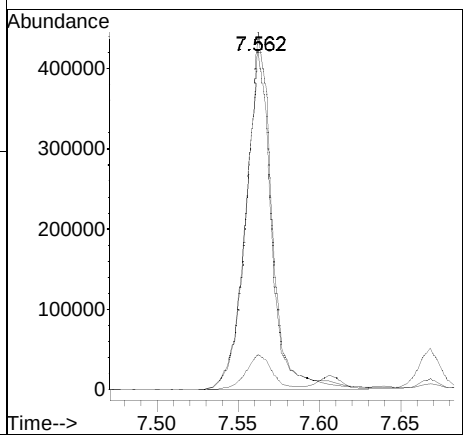


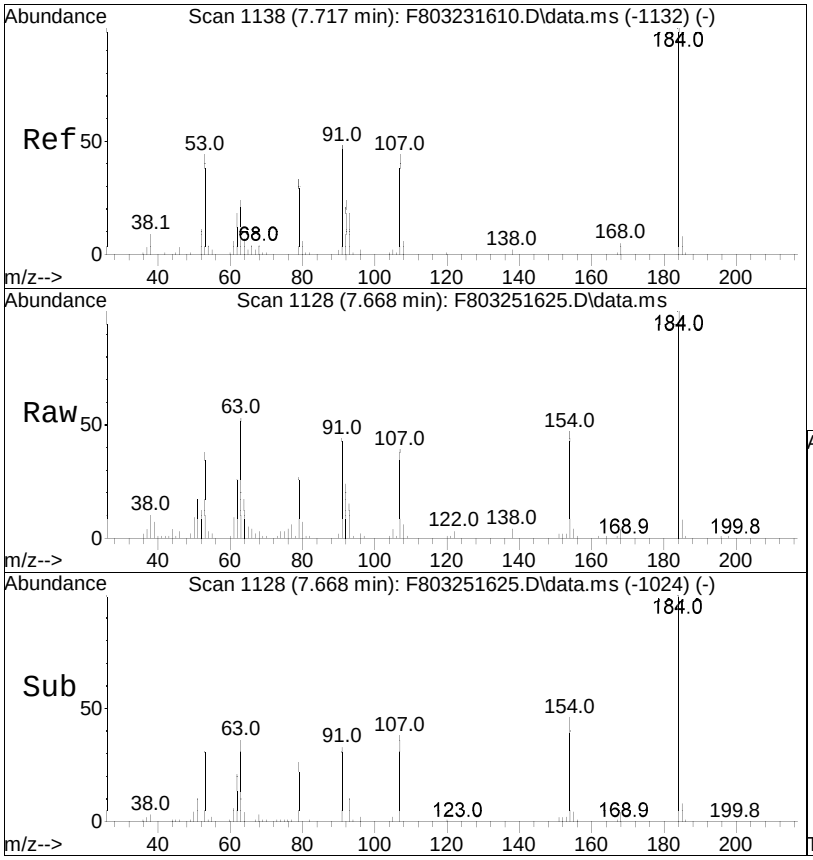


#51
3-Nitroaniline
Concen: 9.30 ug/mL
RT: 7.562 min Scan# 1106
Delta R.T. -0.005 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:138 Resp: 484222

Ion	Ratio	Lower	Upper
138	100		
108	10.8	8.9	13.3
92	96.8	72.2	108.4

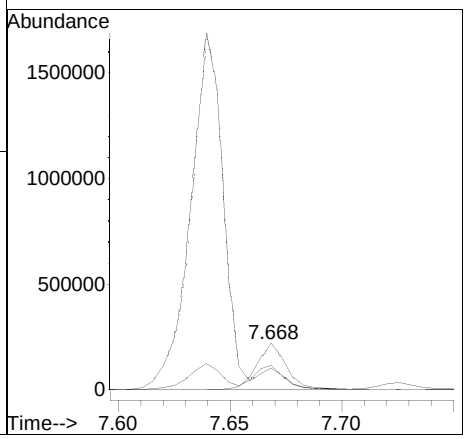


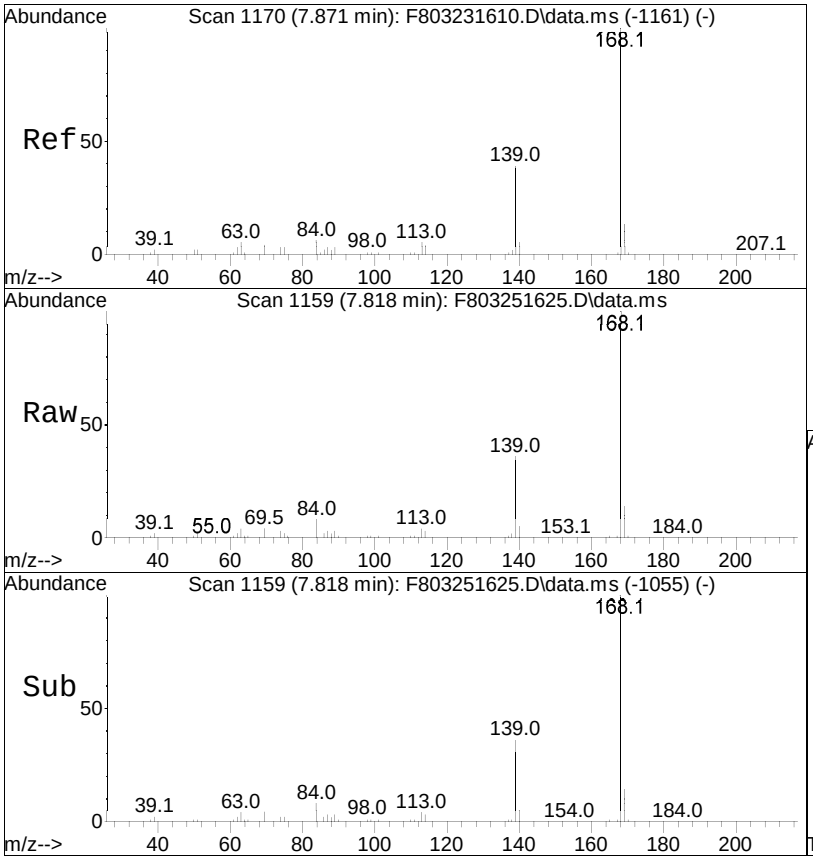


#52
2,4-Dinitrophenol
Concen: 9.89 ug/mL
RT: 7.668 min Scan# 1128
Delta R.T. -0.001 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:184 Resp: 209966

Ion	Ratio	Lower	Upper
184	100		
63	51.0	43.8	65.6
154	43.3	37.1	55.7

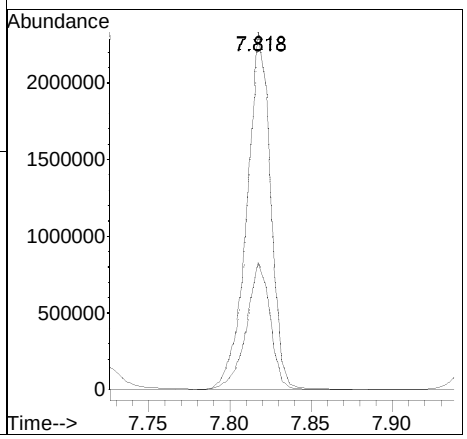


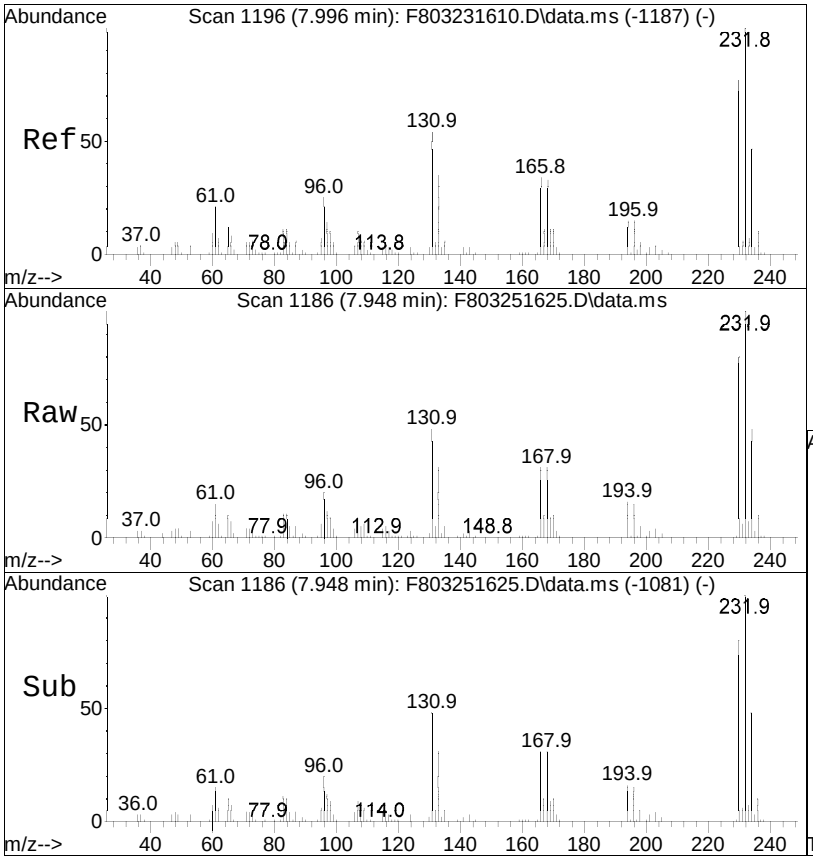


#53
Dibenzofuran
Concen: 9.64 ug/mL
RT: 7.818 min Scan# 1159
Delta R.T. -0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:168 Resp: 2357478

Ion	Ratio	Lower	Upper
168	100		
139	35.5	28.8	43.2

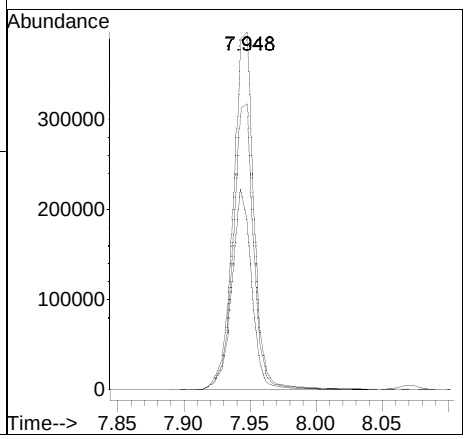


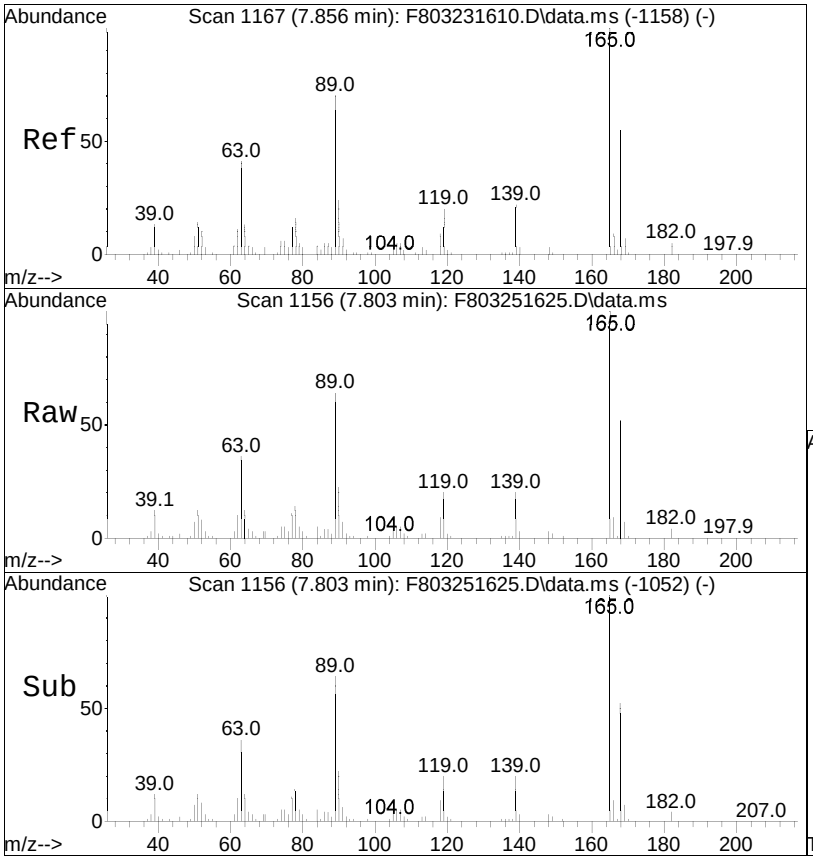


#54
2,3,4,6-Tetrachlorophenol
Concen: 11.40 ug/mL
RT: 7.948 min Scan# 1186
Delta R.T. 0.005 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:232 Resp: 427349

Ion	Ratio	Lower	Upper
232	100		
131	54.4	43.1	64.7
230	78.9	63.0	94.6

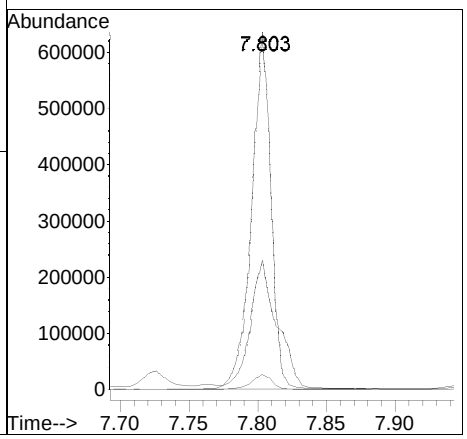


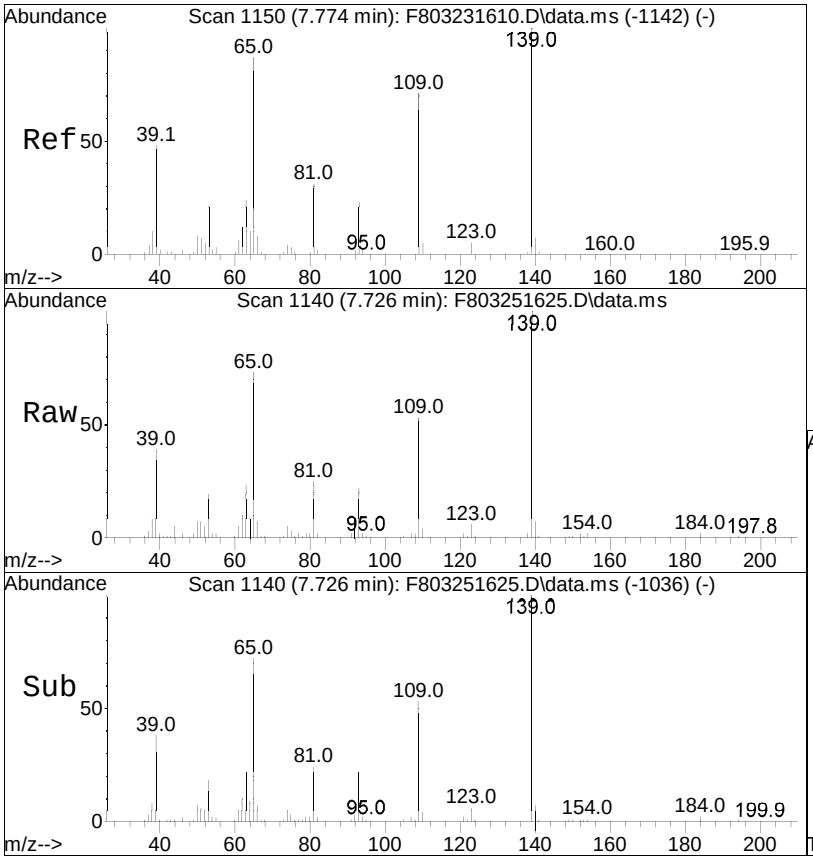


#55
2,4-Dinitrotoluene
Concen: 10.10 ug/mL
RT: 7.803 min Scan# 1156
Delta R.T. 0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:165 Resp: 616175

Ion	Ratio	Lower	Upper
165	100		
63	49.9	30.9	46.3#
182	4.3	3.5	5.3

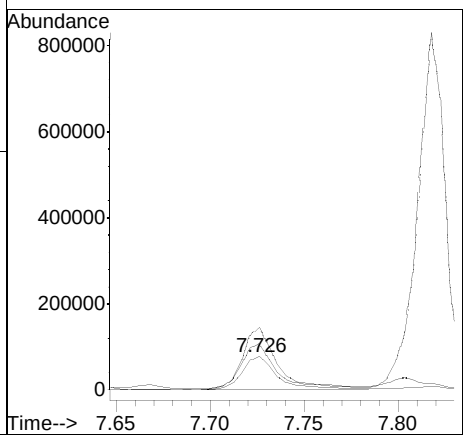


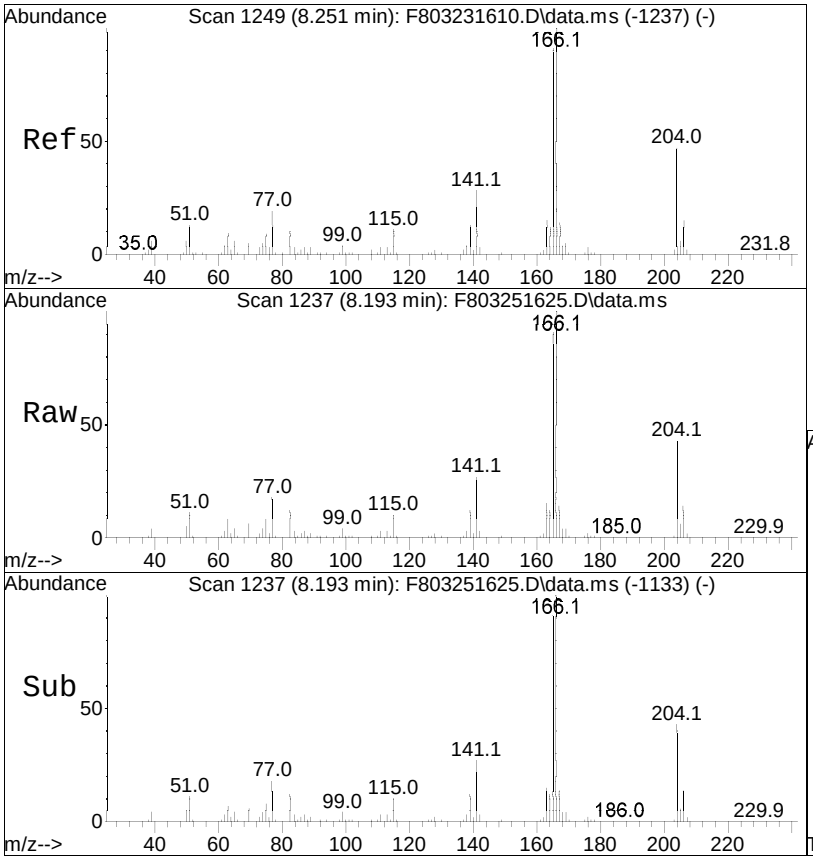


#56
4-Nitrophenol
Concen: 4.61 ug/mL
RT: 7.726 min Scan# 1140
Delta R.T. 0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:109 Resp: 102528

Ion	Ratio	Lower	Upper
109	100		
139	187.2	149.7	224.5
65	126.0	107.3	160.9

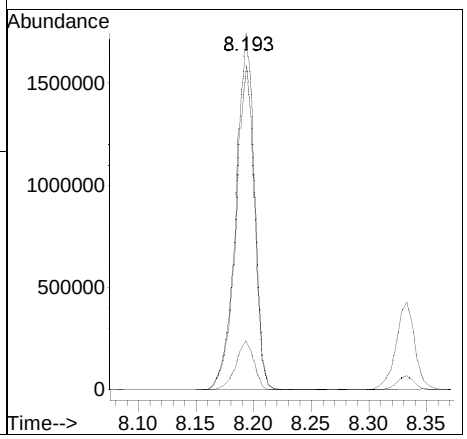


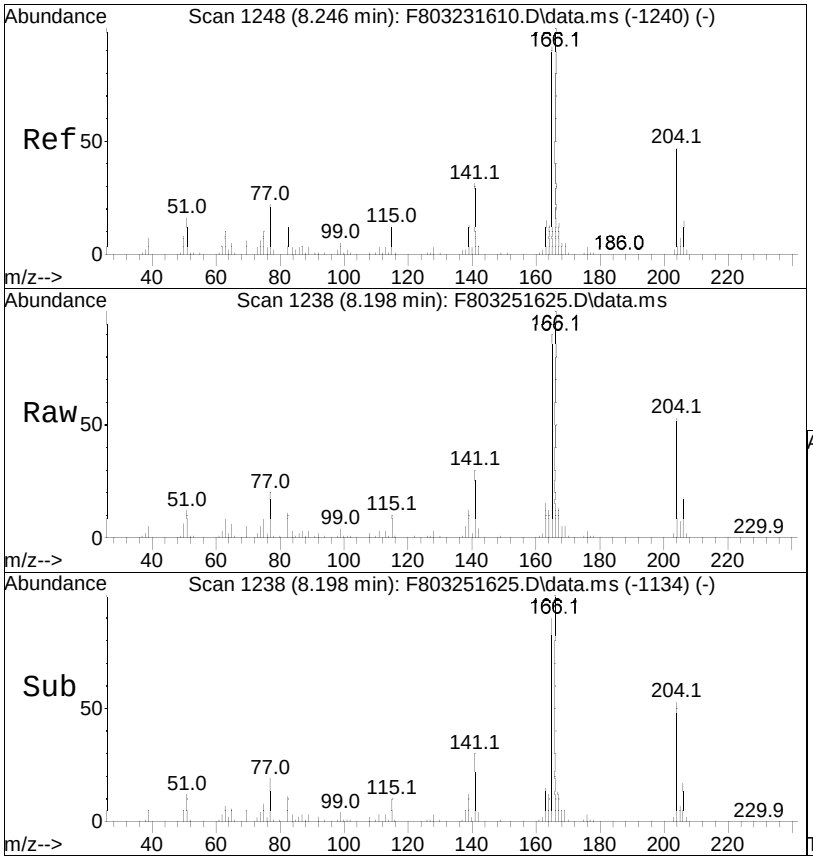


#57
Fluorene
Concen: 9.85 ug/mL
RT: 8.193 min Scan# 1237
Delta R.T. 0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:166 Resp: 1977169

Ion	Ratio	Lower	Upper
166	100		
165	90.3	72.9	109.3
167	13.6	10.9	16.3

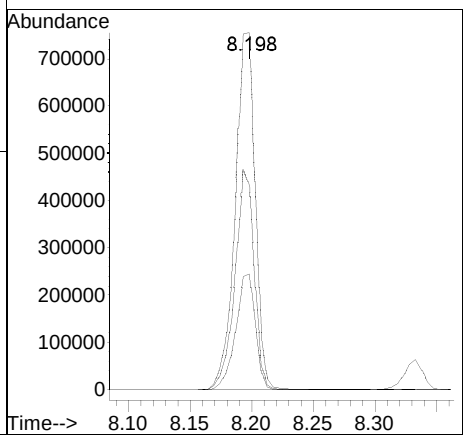


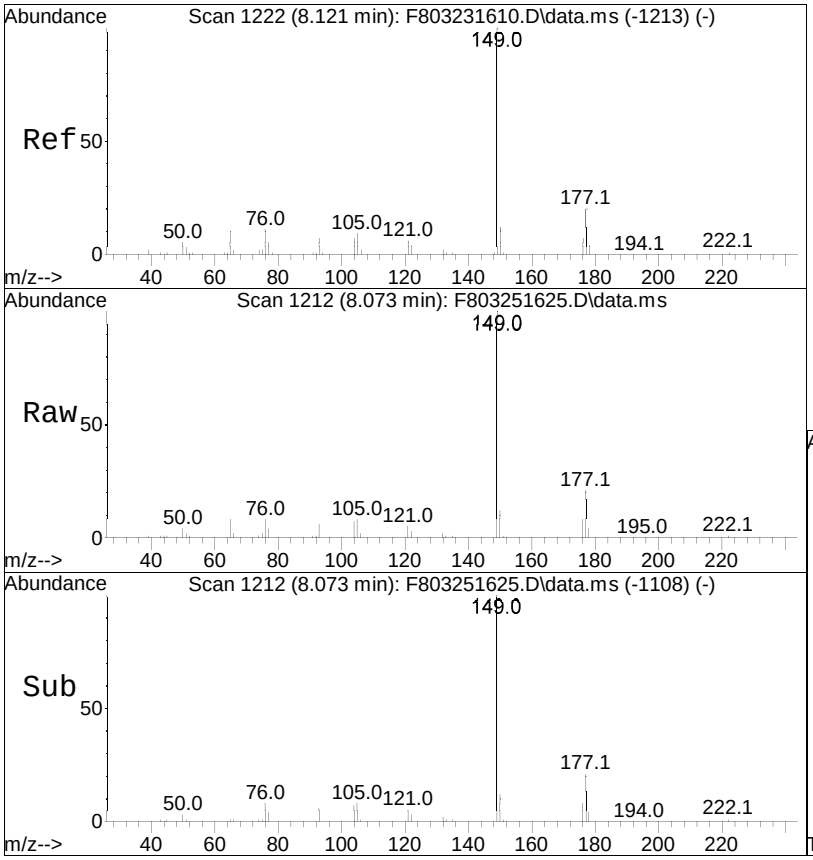


#58
4-Chlorophenyl-phenylether
Concen: 9.91 ug/mL
RT: 8.198 min Scan# 1238
Delta R.T. 0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:204 Resp: 858357

Ion	Ratio	Lower	Upper
204	100		
206	32.2	25.9	38.9
141	59.3	46.2	69.4

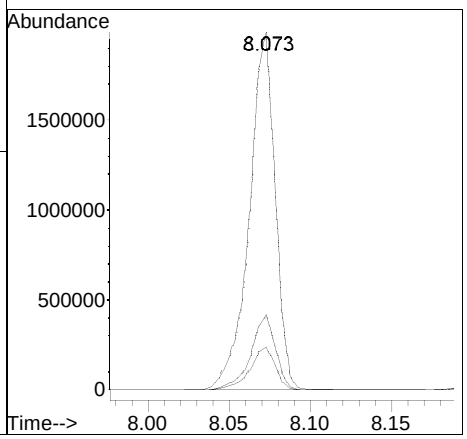


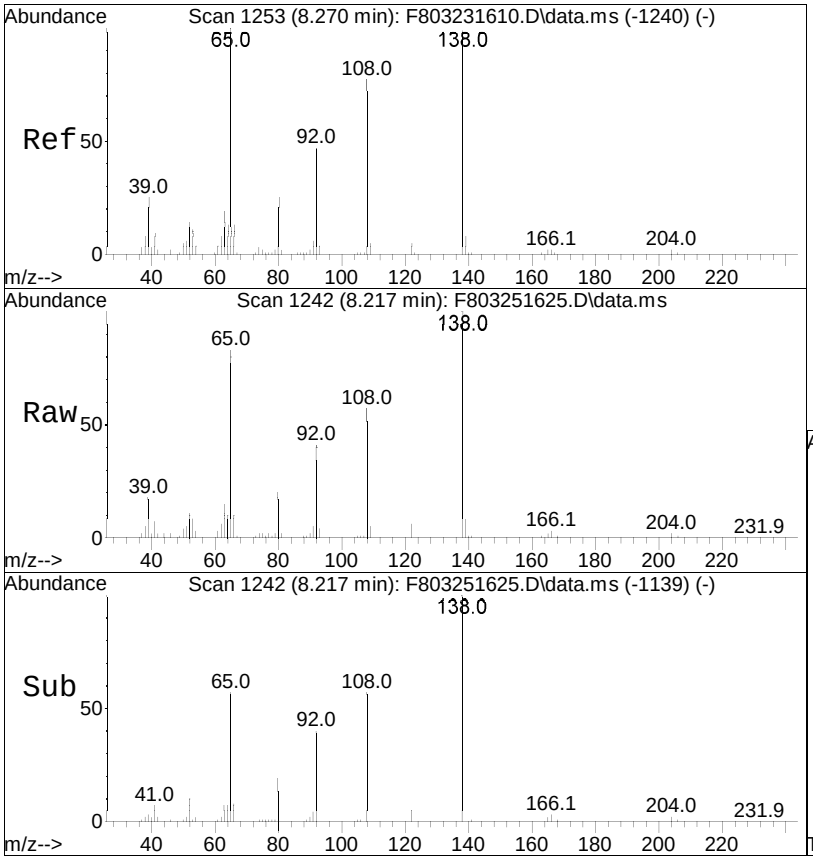


#59
Diethylphthalate
Concen: 10.02 ug/mL
RT: 8.073 min Scan# 1212
Delta R.T. -0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:149 Resp: 2175535

Ion	Ratio	Lower	Upper
149	100		
177	20.3	16.6	24.8
150	11.9	9.8	14.6

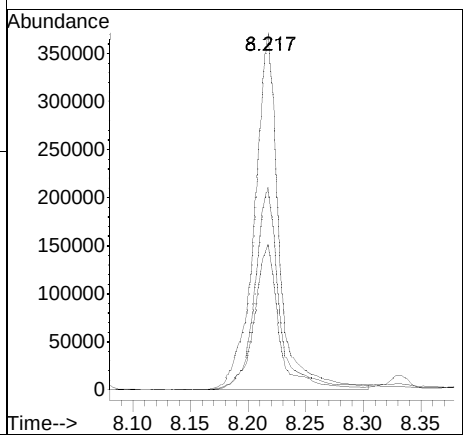


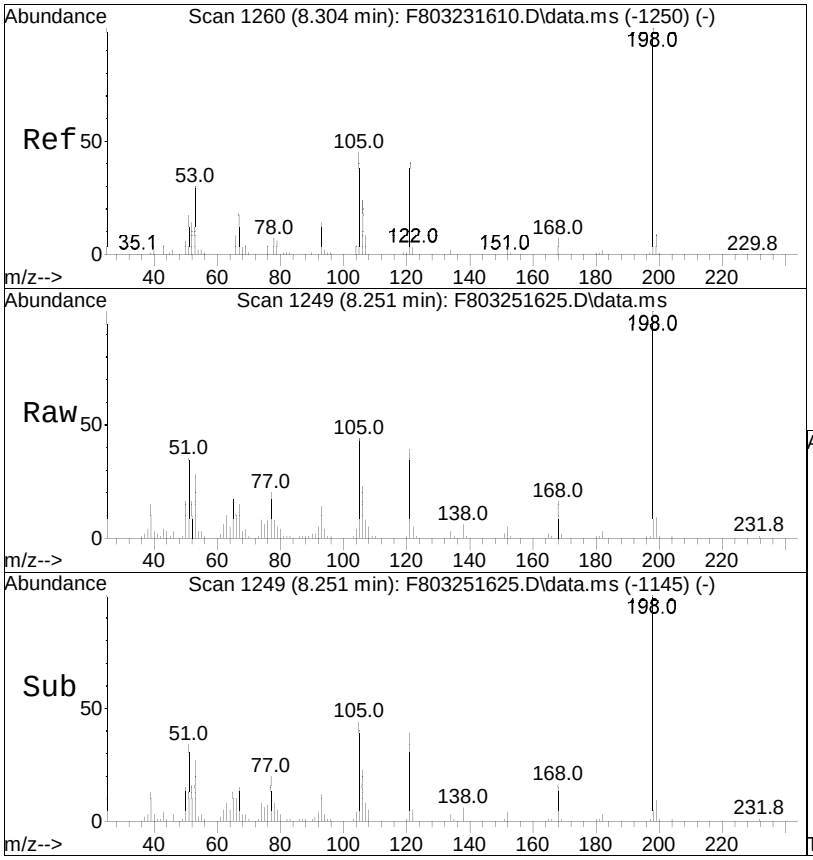


#60
4-Nitroaniline
Concen: 9.87 ug/mL
RT: 8.217 min Scan# 1242
Delta R.T. -0.005 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:138 Resp: 547033

Ion	Ratio	Lower	Upper
138	100		
92	41.1	32.7	49.1
108	55.5	45.8	68.6

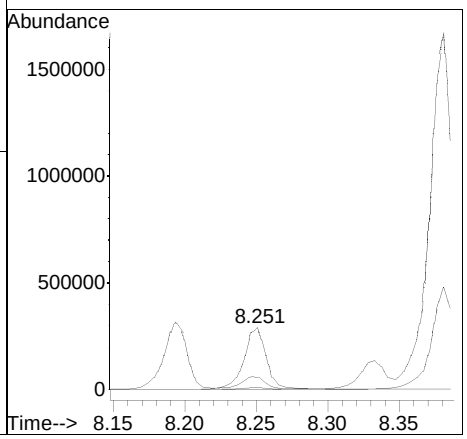


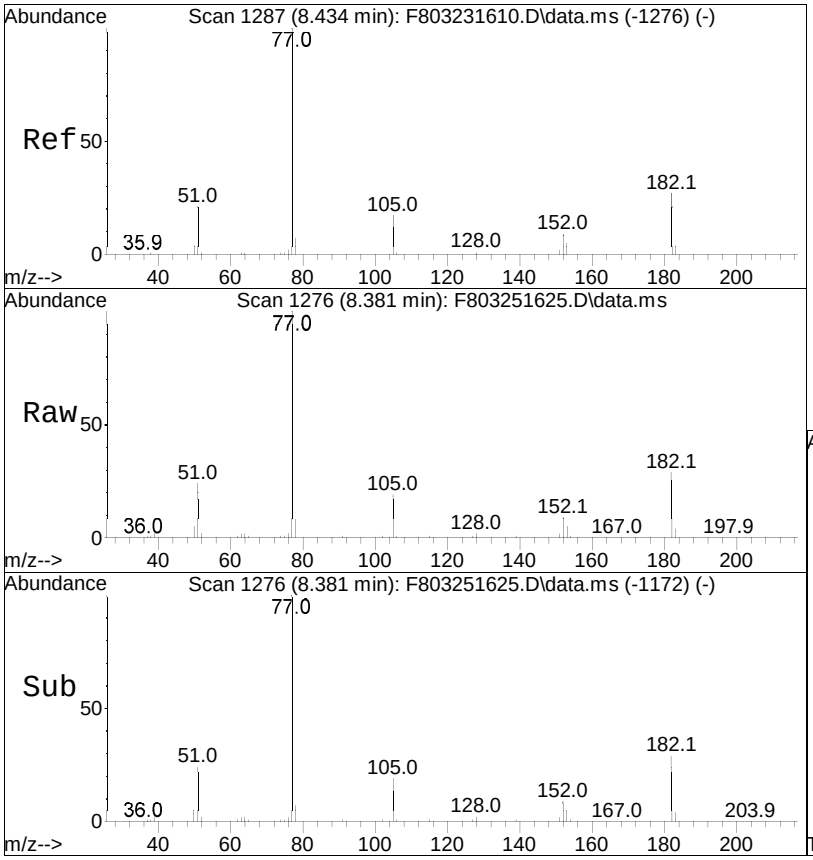


#62
4,6-Dinitro-2-methylphenol
Concen: 10.43 ug/mL
RT: 8.251 min Scan# 1249
Delta R.T. 0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:198 Resp: 319088

Ion	Ratio	Lower	Upper
198	100		
182	2.7	2.2	3.2
77	20.9	16.8	25.2

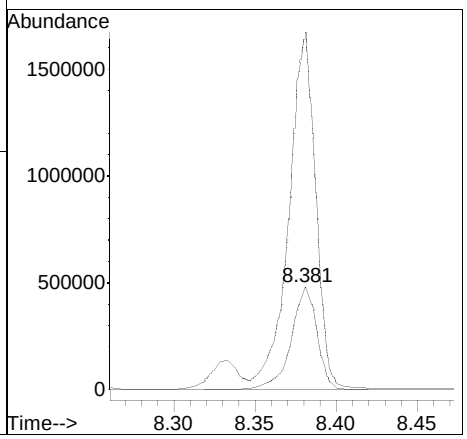


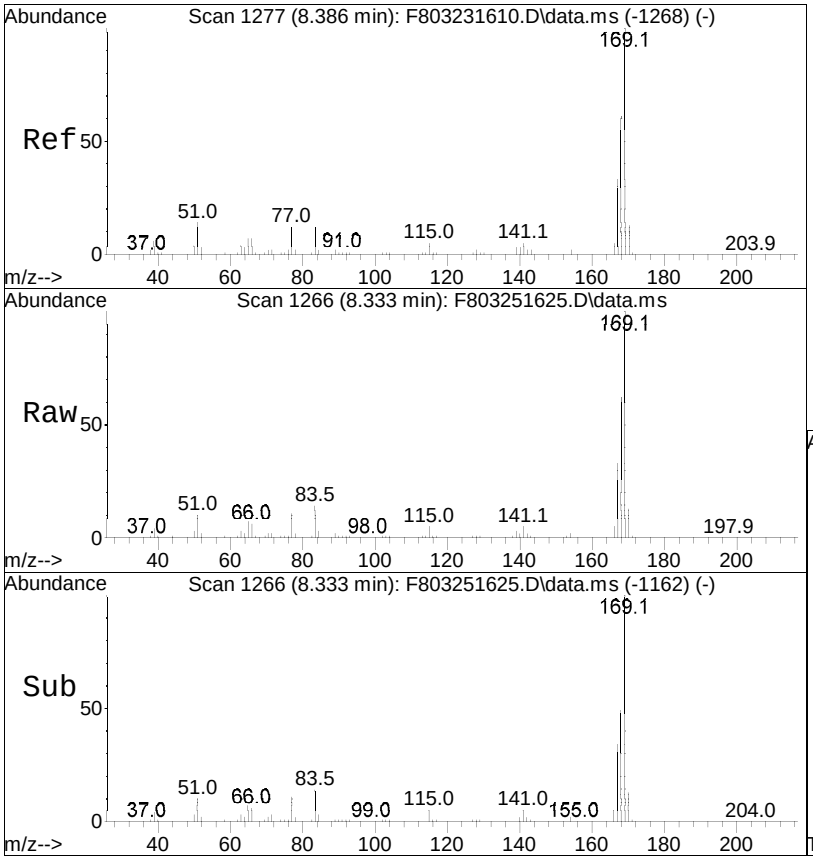


#63
Azobenzene
Concen: 9.63 ug/mL
RT: 8.381 min Scan# 1276
Delta R.T. 0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:182 Resp: 537738

Ion	Ratio	Lower	Upper
182	100		
77	350.9	54.9	631.7

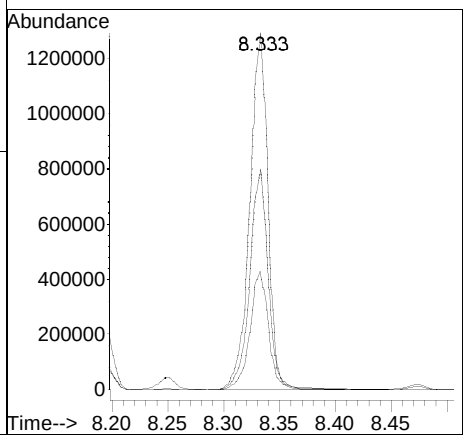


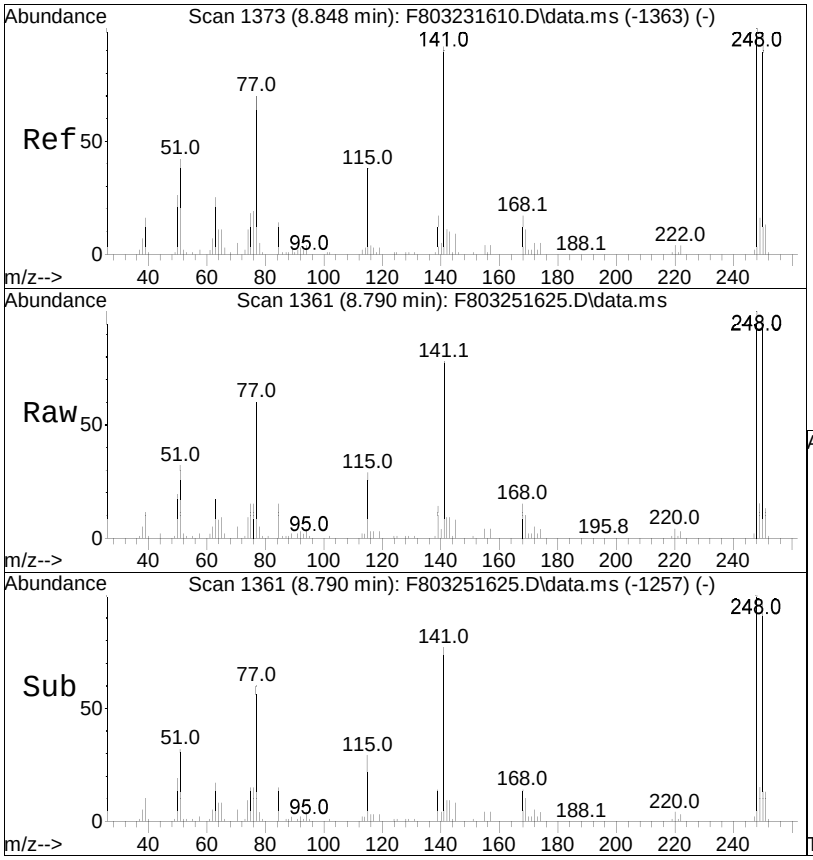


#64
n-Nitrosodiphenylamine
Concen: 10.04 ug/mL
RT: 8.333 min Scan# 1266
Delta R.T. -0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:169 Resp: 1461181

Ion	Ratio	Lower	Upper
169	100		
168	62.3	49.4	74.2
167	34.4	26.7	40.1

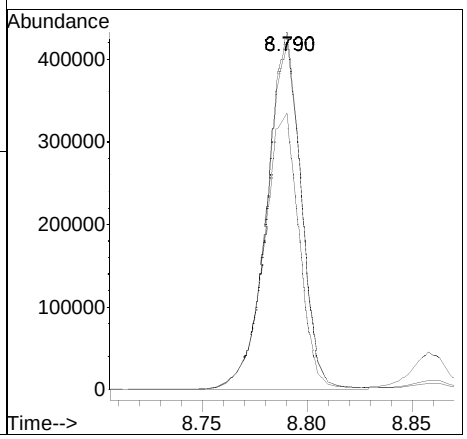


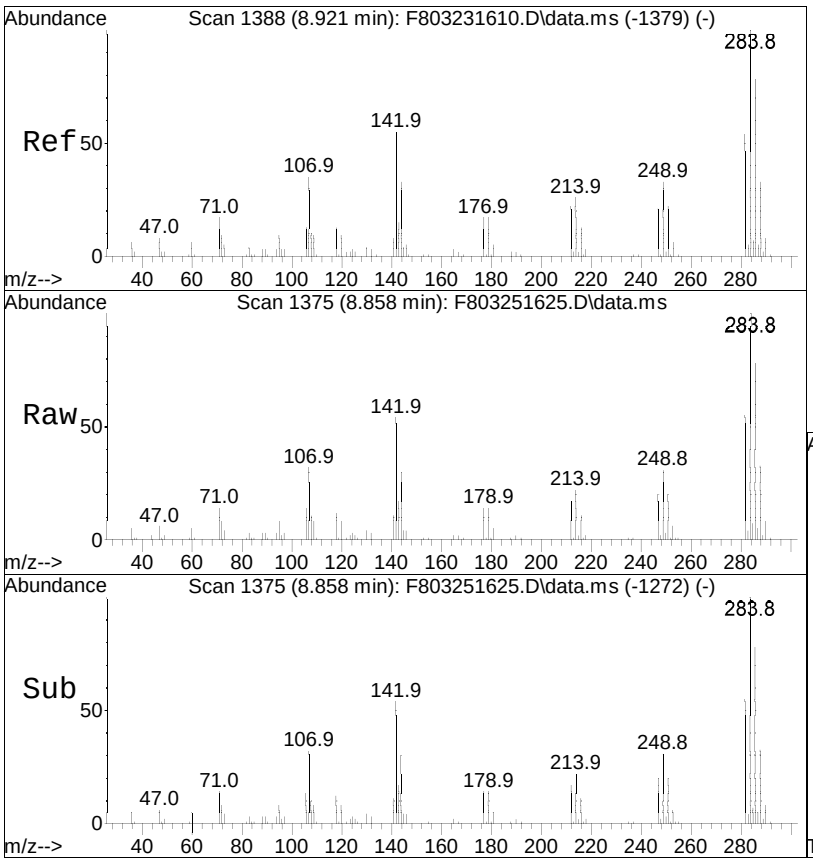


#66
4-Bromophenyl-phenylether
Concen: 9.60 ug/mL
RT: 8.790 min Scan# 1361
Delta R.T. 0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:248 Resp: 487914

Ion	Ratio	Lower	Upper
248	100		
250	97.6	77.3	115.9
141	79.2	61.7	92.5

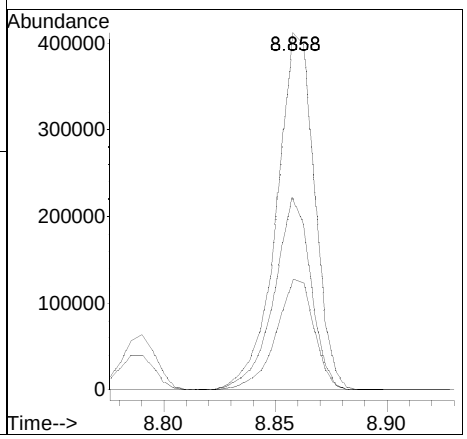


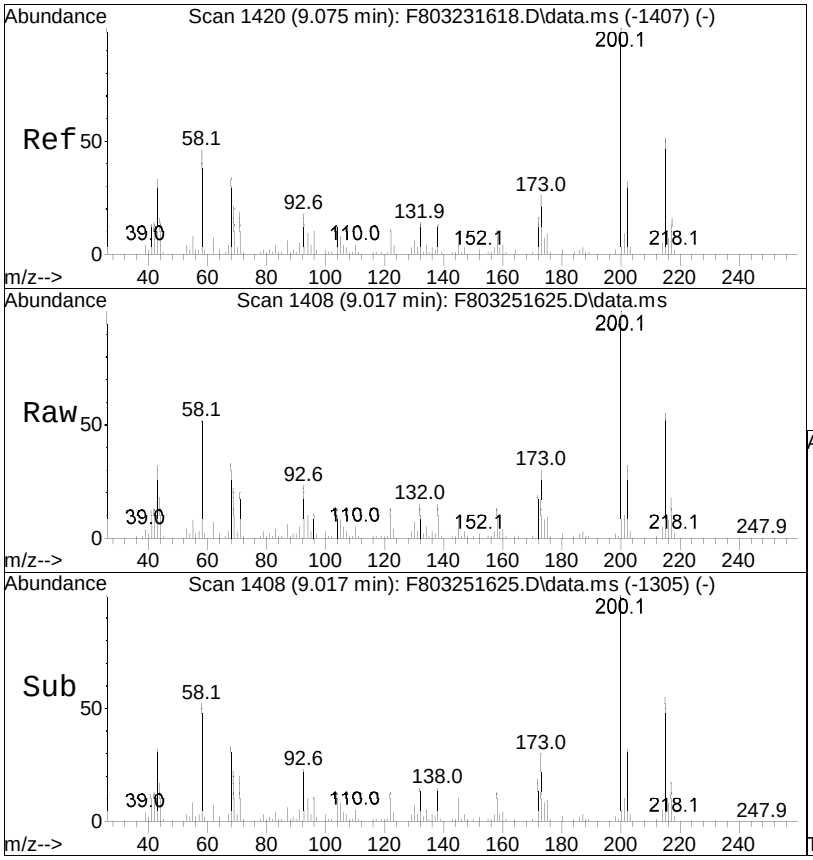


#67
Hexachlorobenzene
Concen: 9.48 ug/mL
RT: 8.858 min Scan# 1375
Delta R.T. -0.005 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:284 Resp: 489495

Ion	Ratio	Lower	Upper
284	100		
142	52.2	37.8	56.6
249	31.2	24.8	37.2

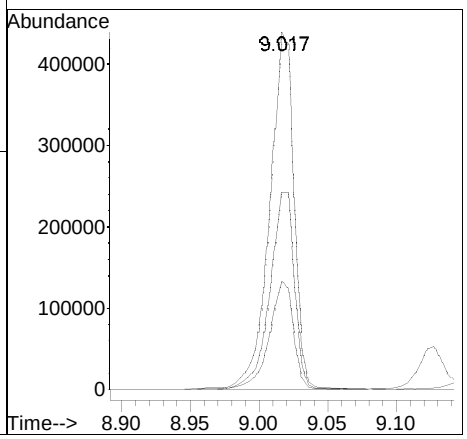


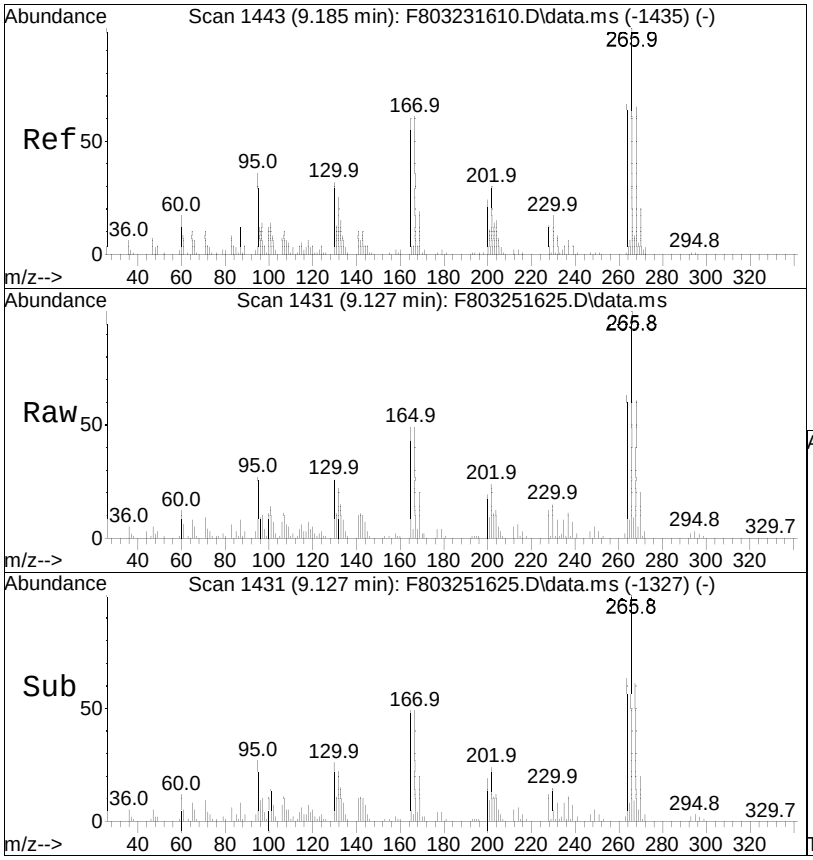


#68
Atrazine
Concen: 10.29 ug/ml
RT: 9.017 min Scan# 1408
Delta R.T. -0.005 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:200 Resp: 535959

Ion	Ratio	Lower	Upper
200	100		
173	30.1	23.7	35.5
215	55.9	44.1	66.1

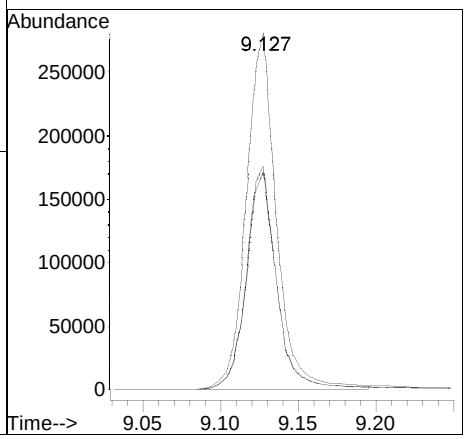


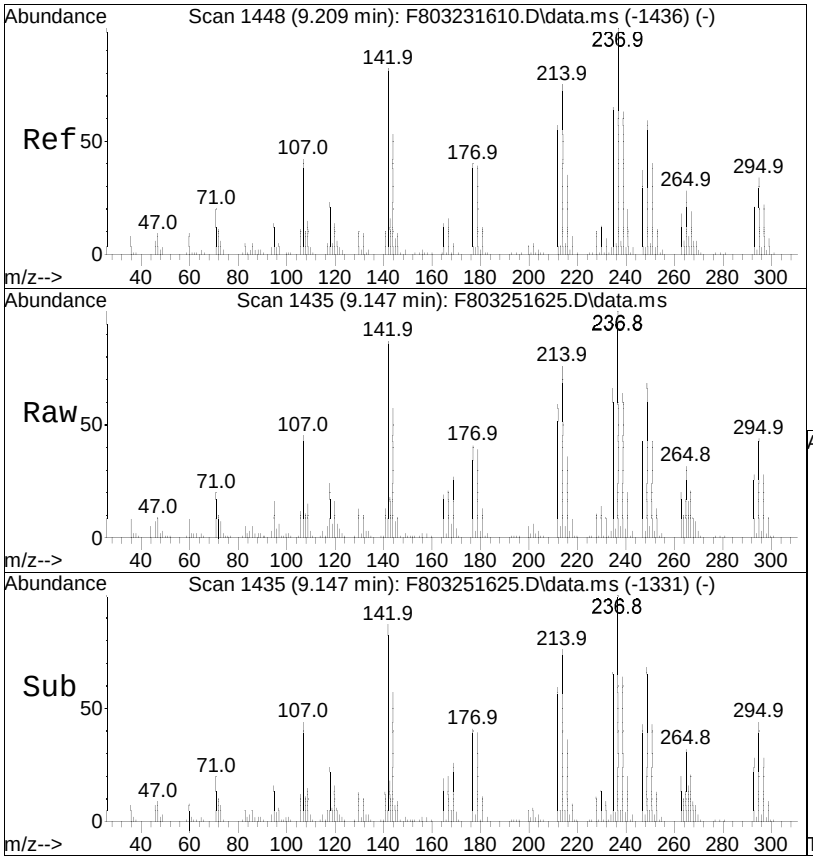


#69
Pentachlorophenol
Concen: 9.24 ug/mL
RT: 9.127 min Scan# 1431
Delta R.T. -0.001 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:266 Resp: 377156

Ion	Ratio	Lower	Upper
266	100		
264	63.7	49.7	74.5
268	61.2	48.1	72.1

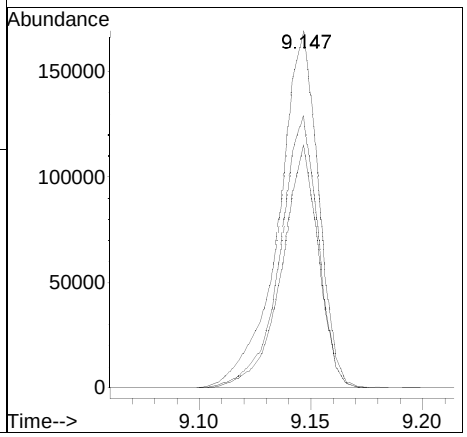


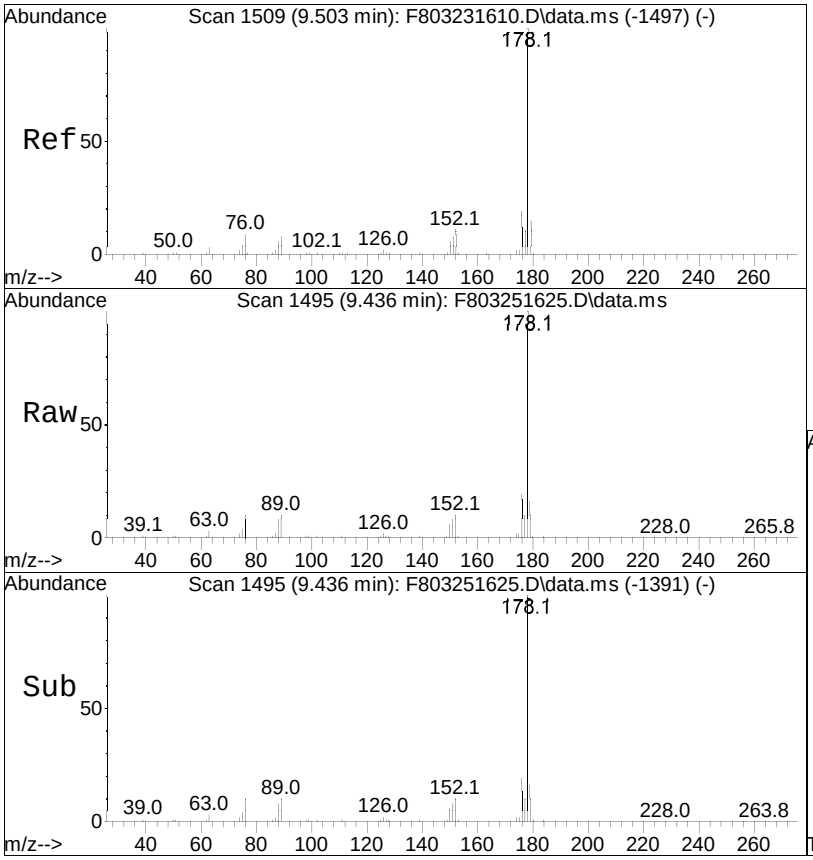


#70
Pentachloronitrobenzene
Concen: 10.83 ug/ml
RT: 9.147 min Scan# 1435
Delta R.T. -0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:237 Resp: 210391

Ion	Ratio	Lower	Upper
237	100		
214	72.7	63.4	95.2
249	62.8	54.9	82.3

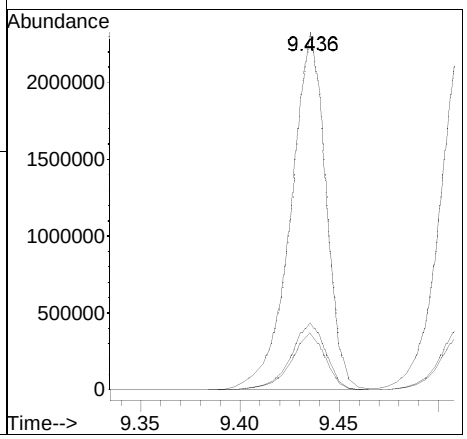


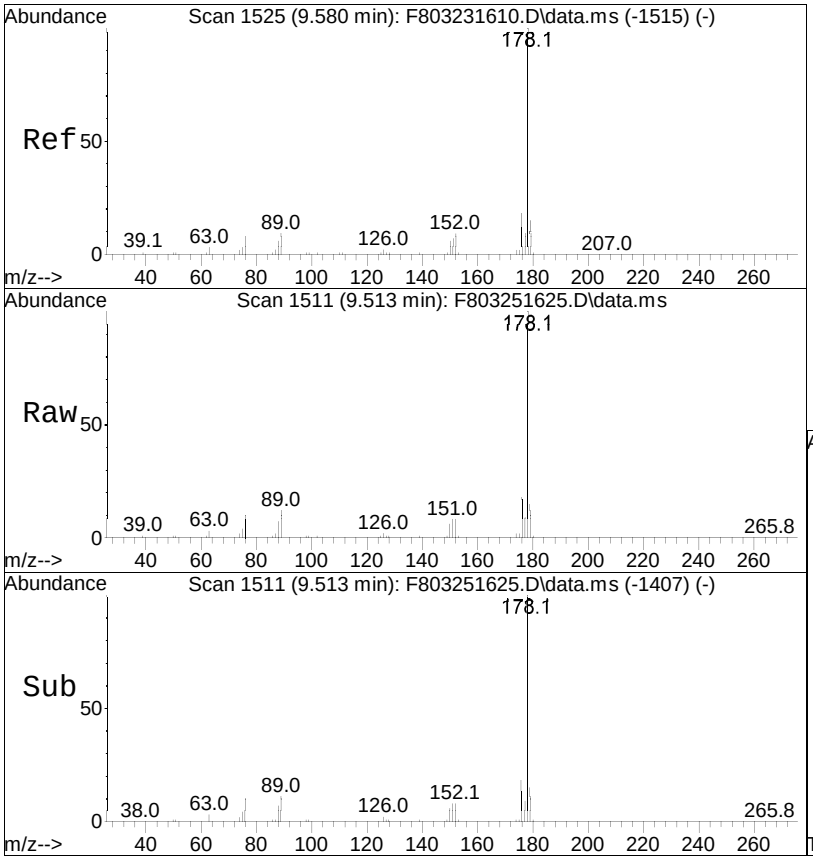


#71
Phenanthrene
Concen: 9.81 ug/mL
RT: 9.436 min Scan# 1495
Delta R.T. -0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:178 Resp: 2862176

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6
176	18.7	15.0	22.6

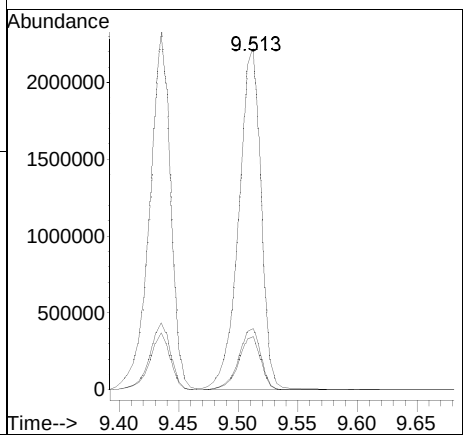


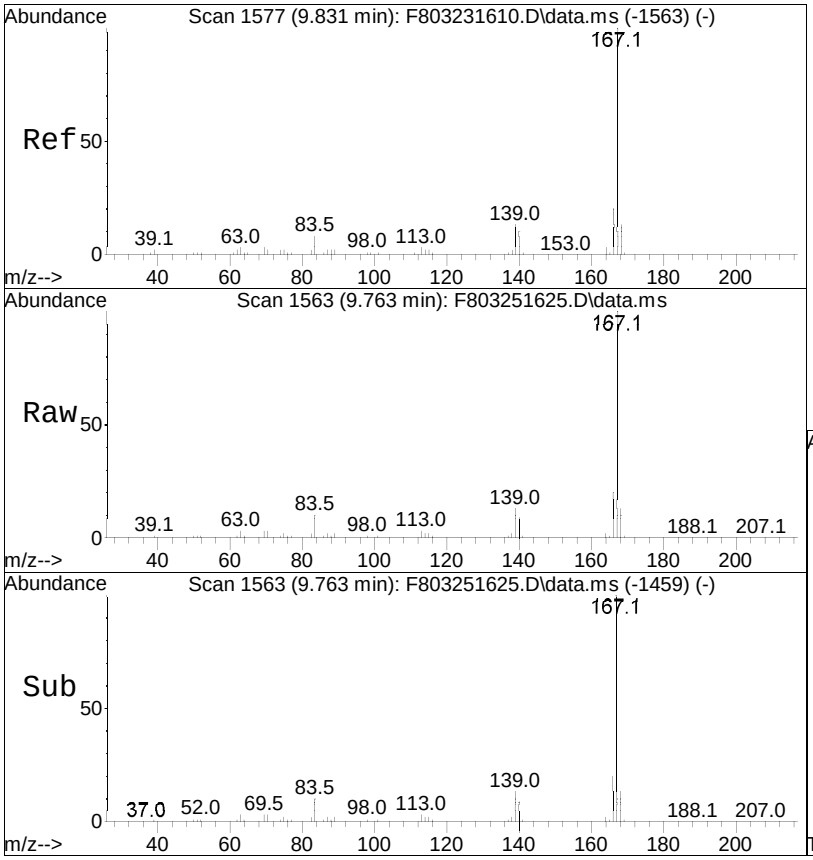


#72
Anthracene
Concen: 9.75 ug/mL
RT: 9.513 min Scan# 1511
Delta R.T. -0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:178 Resp: 2892946

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.6	18.8
176	18.0	14.6	22.0

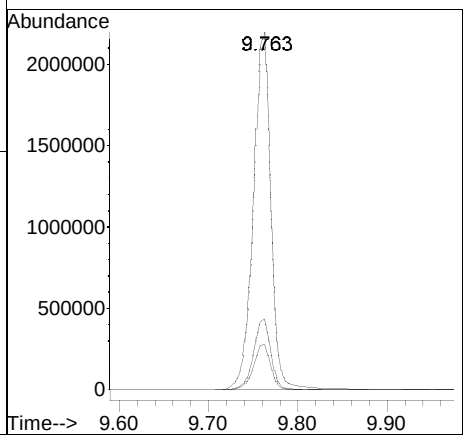


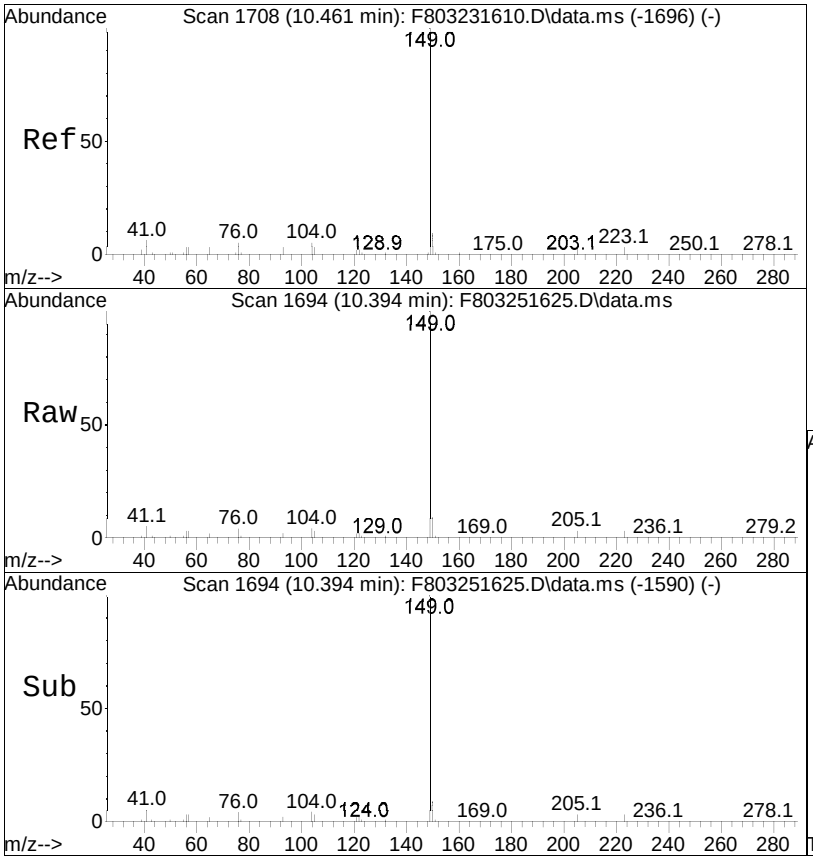


#73
Carbazole
Concen: 10.22 ug/mL
RT: 9.763 min Scan# 1563
Delta R.T. 0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:167 Resp: 2970381

Ion	Ratio	Lower	Upper
167	100		
139	12.7	10.3	15.5
166	19.8	15.9	23.9

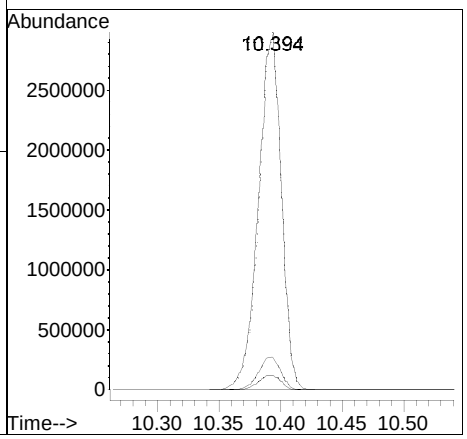


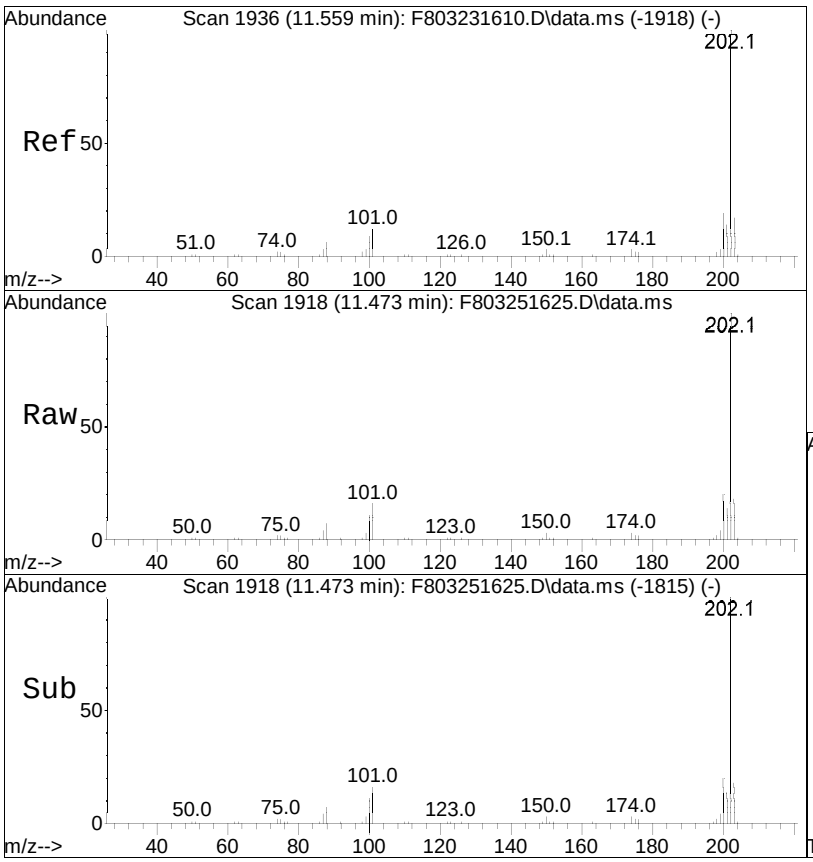


#74
Di-n-butylphthalate
Concen: 10.50 ug/mL
RT: 10.394 min Scan# 1694
Delta R.T. -0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:149 Resp: 3772781

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.4	3.5	5.3

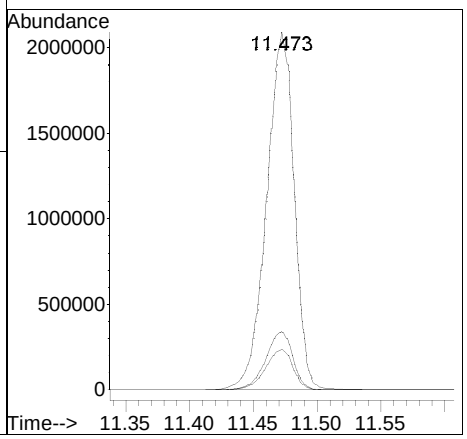


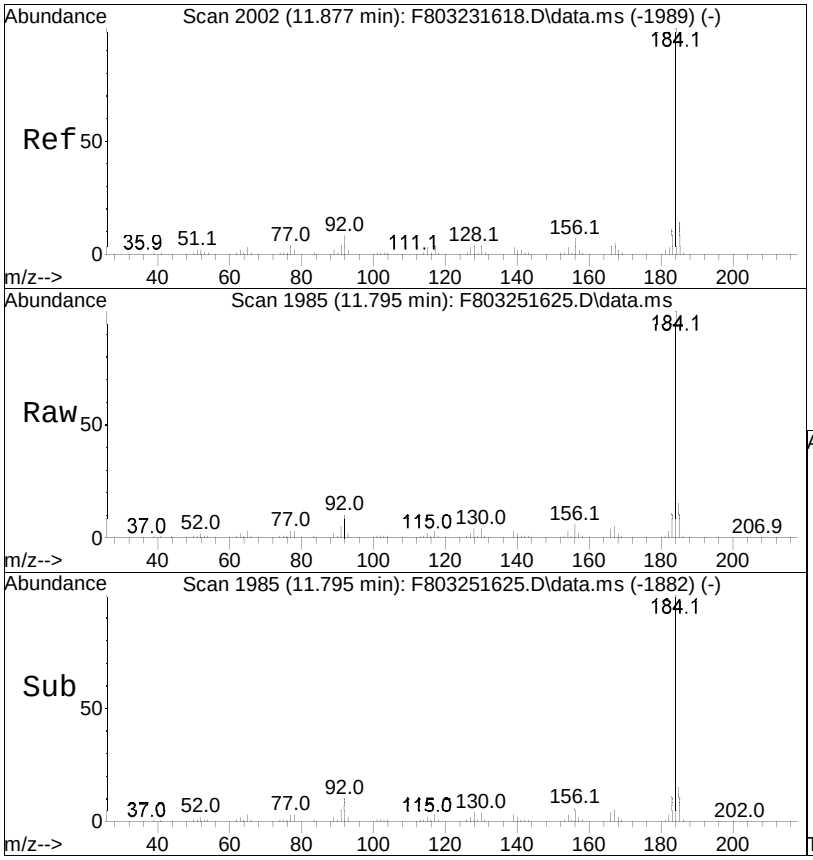


#75
Fluoranthene
Concen: 10.05 ug/mL
RT: 11.473 min Scan# 1918
Delta R.T. -0.004 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:202 Resp: 3099384

Ion	Ratio	Lower	Upper
202	100		
101	16.2	13.4	20.2
100	11.6	9.4	14.2

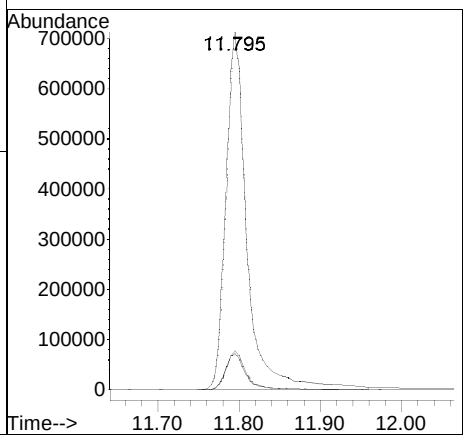


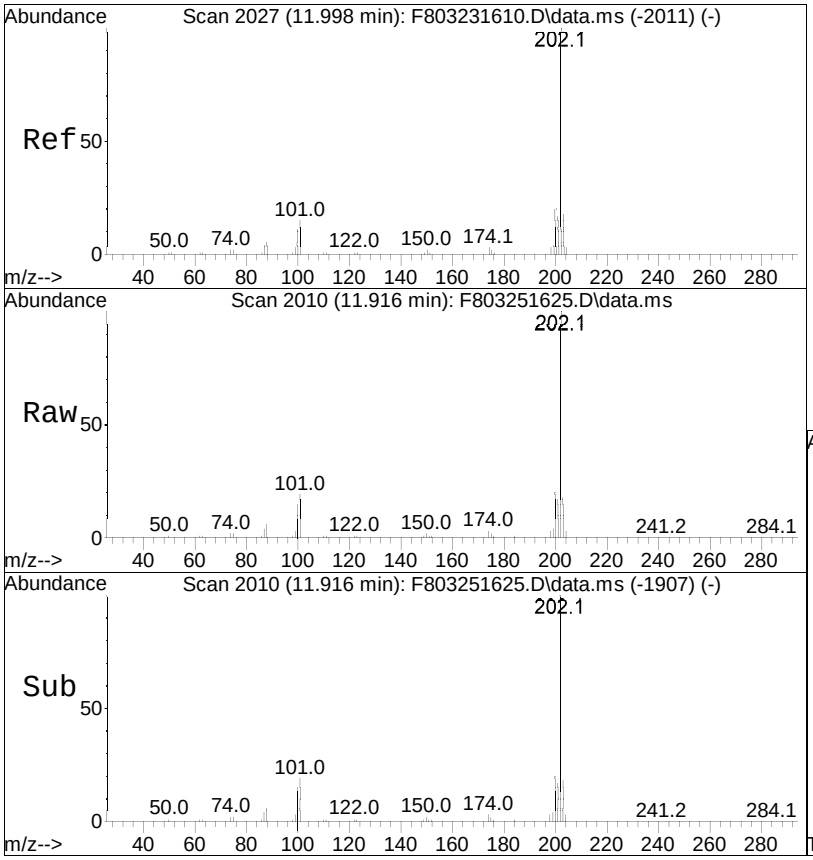


#77
Benzidine
Concen: 5.67 ug/mL
RT: 11.795 min Scan# 1985
Delta R.T. -0.005 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:184 Resp: 1274228

Ion	Ratio	Lower	Upper
184	100		
183	10.6	8.9	13.3
92	9.6	8.4	12.6

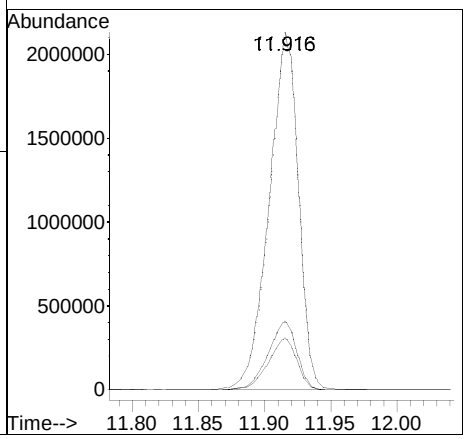


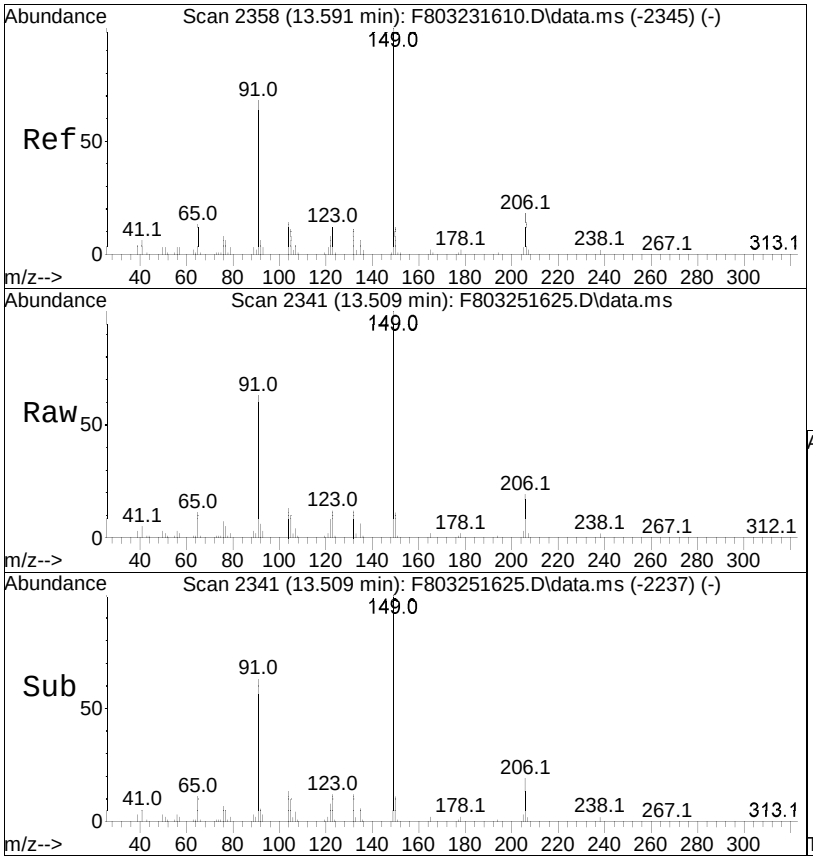


#78
Pyrene
Concen: 9.82 ug/mL
RT: 11.916 min Scan# 2010
Delta R.T. -0.004 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:202 Resp: 3237208

Ion	Ratio	Lower	Upper
202	100		
101	19.0	14.9	22.3
100	14.5	11.4	17.2

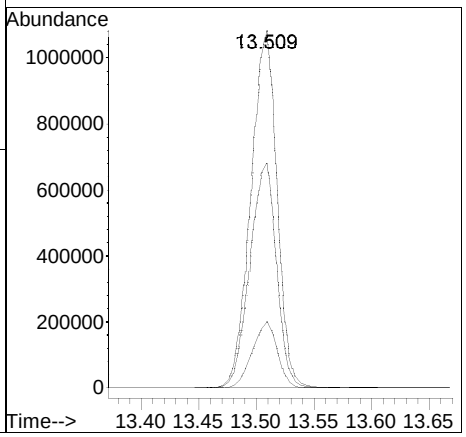


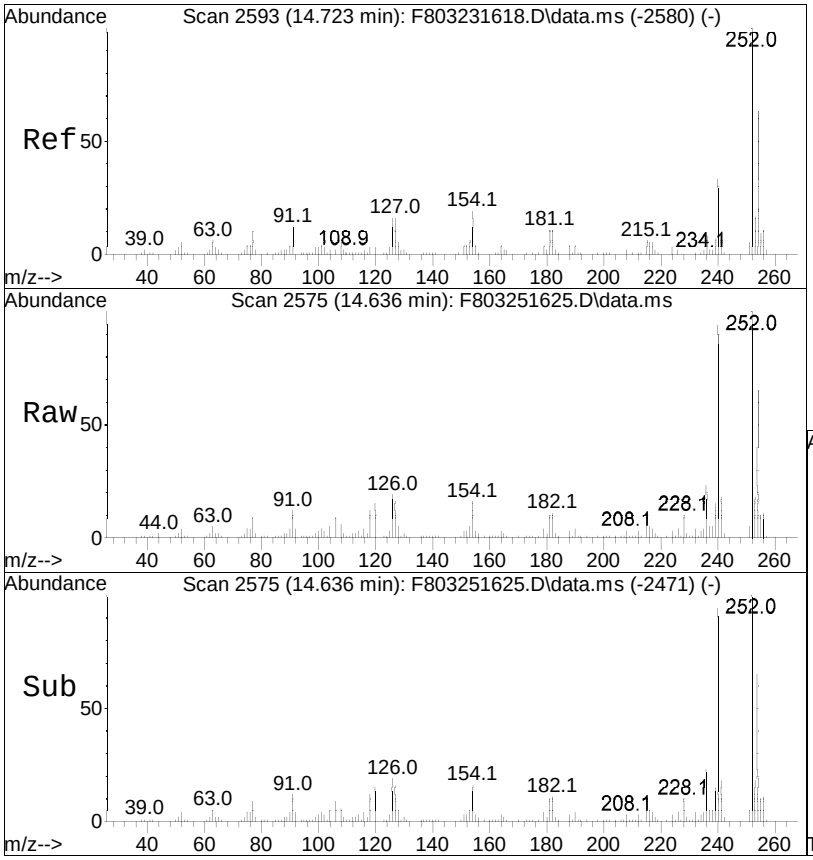


#80
Butylbenzylphthalate
Concen: 10.16 ug/mL
RT: 13.509 min Scan# 2341
Delta R.T. 0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:149 Resp: 1691571

Ion	Ratio	Lower	Upper
149	100		
91	64.1	50.8	76.2
206	18.0	15.0	22.4

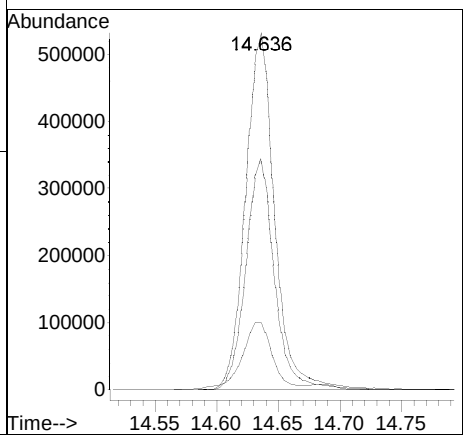


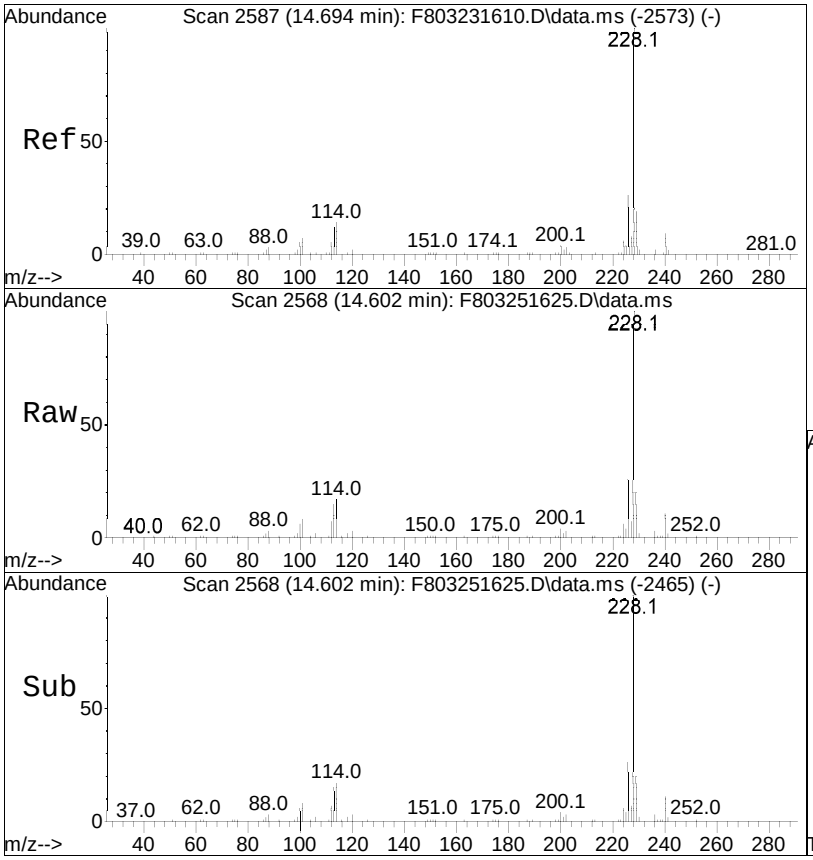


#81
3,3'-Dichlorobenzidine
Concen: 8.91 ug/mL
RT: 14.636 min Scan# 2575
Delta R.T. 0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:252 Resp: 875411

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.0	76.4
126	20.4	15.2	22.8

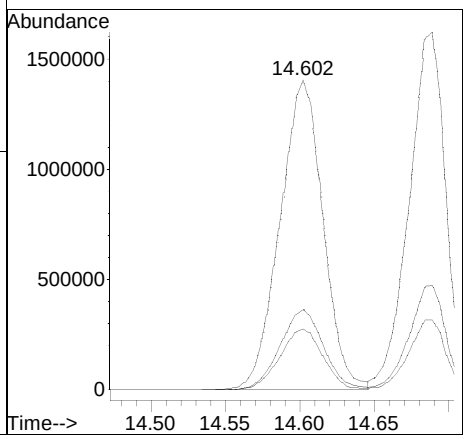


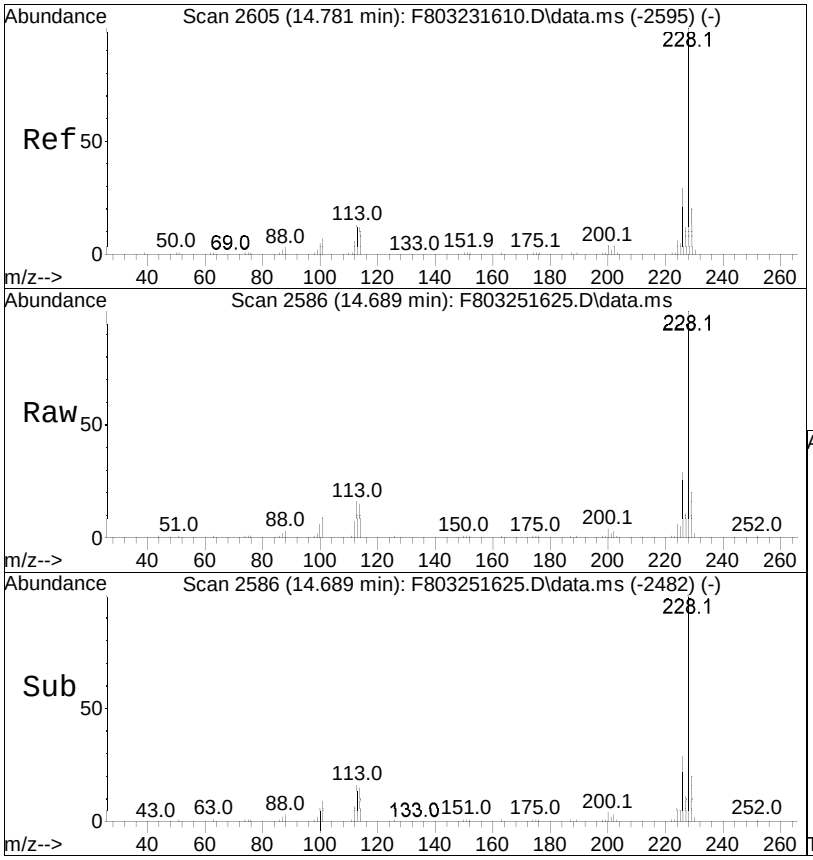


#82
Benz[a]anthracene
Concen: 9.37 ug/mL
RT: 14.602 min Scan# 2568
Delta R.T. -0.005 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:228 Resp: 2826083

Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.9	23.9
226	26.4	21.2	31.8

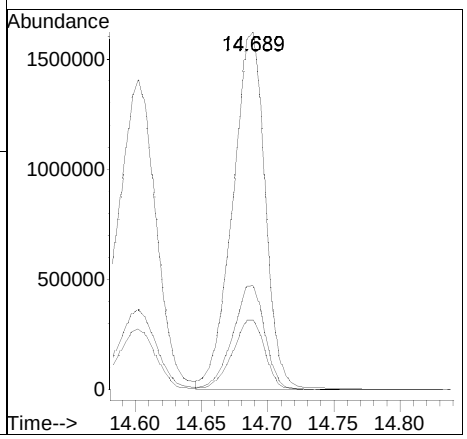


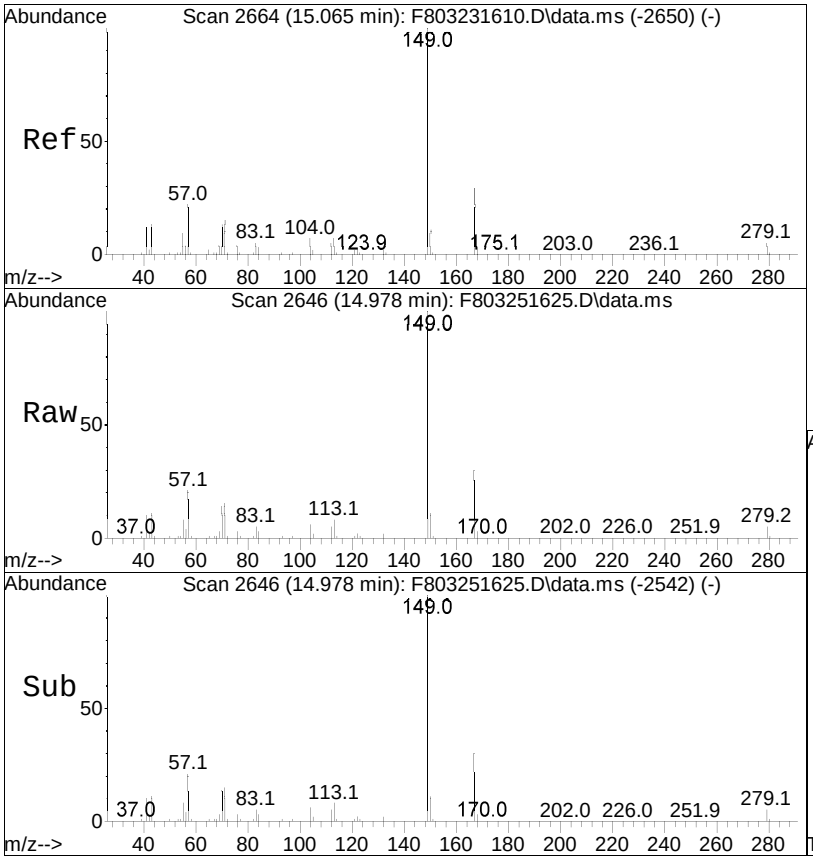


#83
Chrysene
Concen: 9.54 ug/mL
RT: 14.689 min Scan# 2586
Delta R.T. 0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:228 Resp: 2769522

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.7	35.5
229	19.8	15.8	23.8

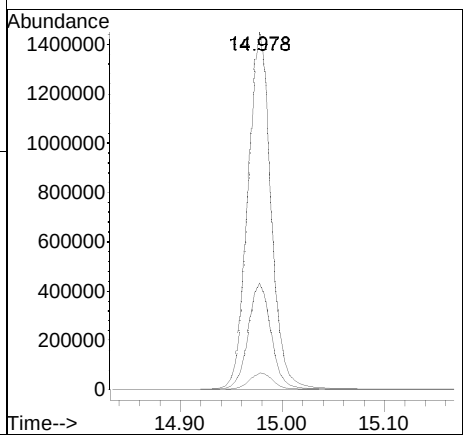


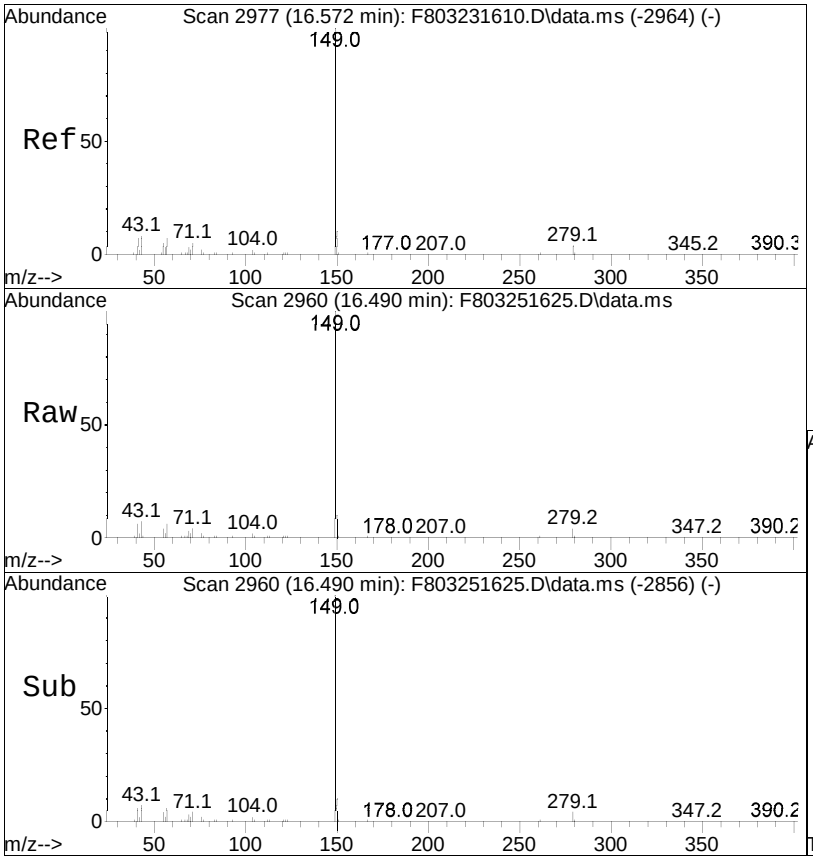


#84
bis(2-Ethylhexyl)phthalate
Concen: 10.19 ug/mL
RT: 14.978 min Scan# 2646
Delta R.T. 0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:149 Resp: 2277550

Ion	Ratio	Lower	Upper
149	100		
167	29.6	23.8	35.6
279	4.7	4.0	6.0

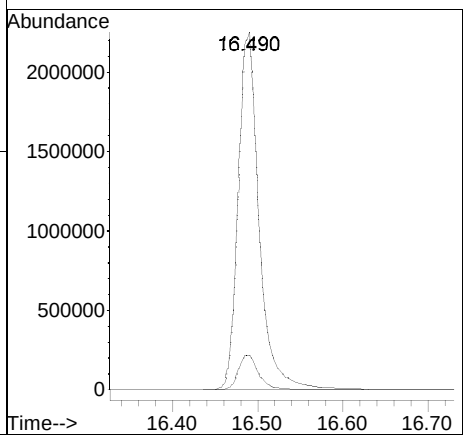


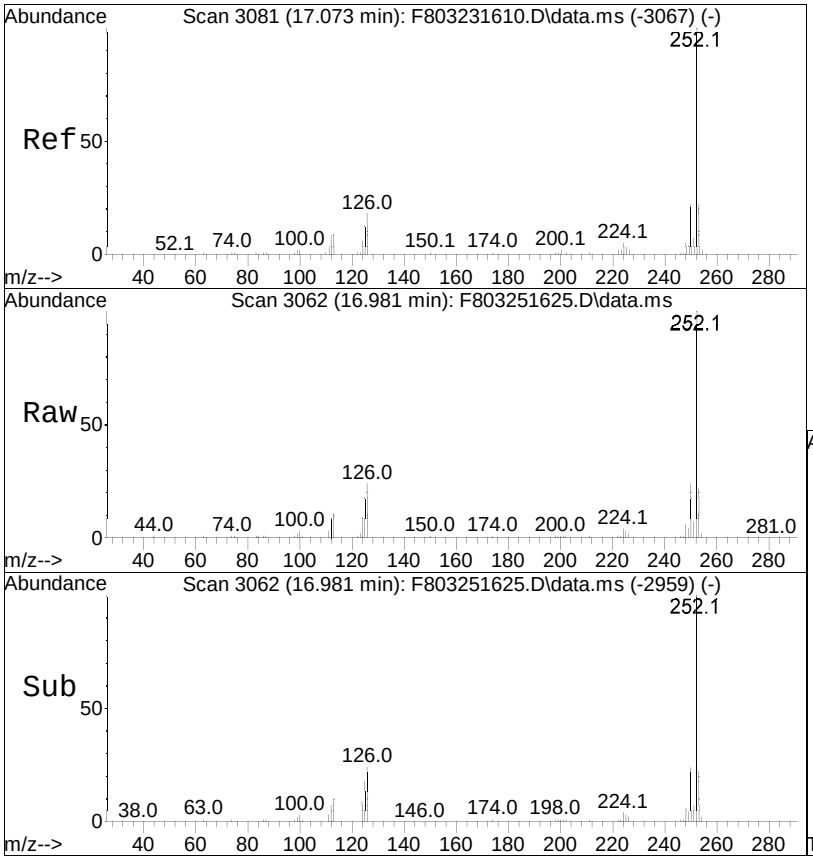


#86
Di-n-octylphthalate
Concen: 11.07 ug/mL
RT: 16.490 min Scan# 2960
Delta R.T. 0.000 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:149 Resp: 3795415

Ion	Ratio	Lower	Upper
149	100		
150	9.7	8.1	12.1

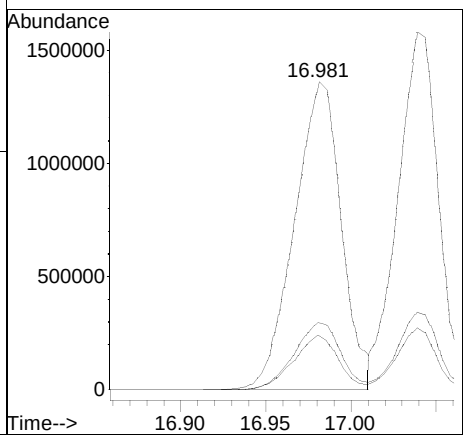


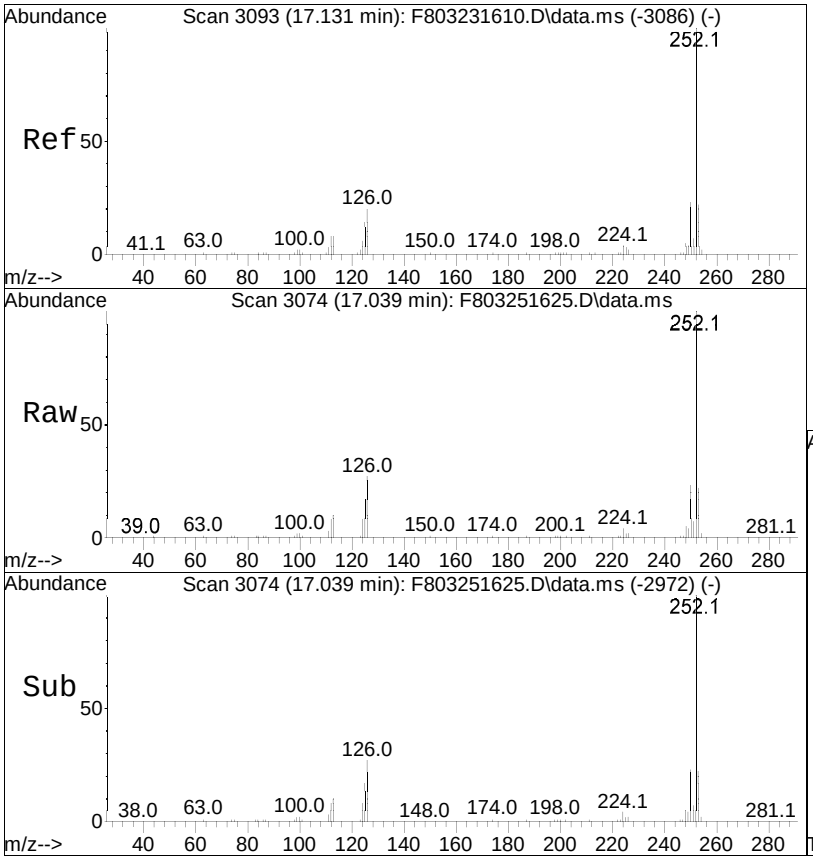


#87
Benzo[b]fluoranthene
Concen: 10.18 ug/mL
RT: 16.981 min Scan# 3062
Delta R.T. -0.005 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:252 Resp: 2605875

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	17.2	13.7	20.5

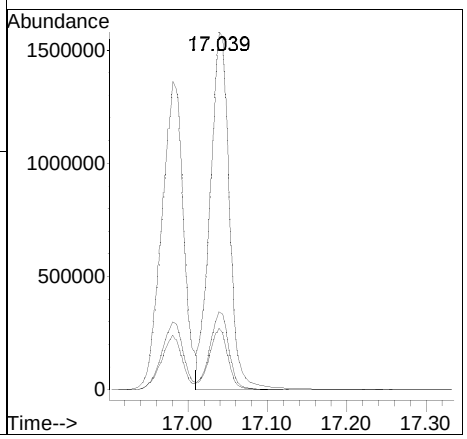


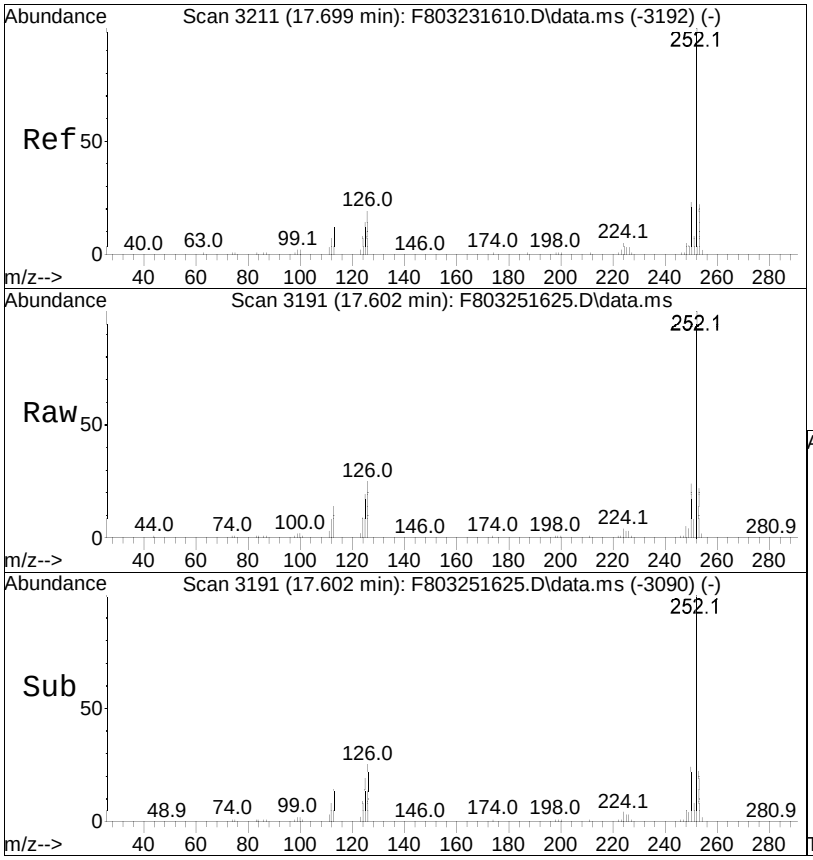


#88
Benzo[k]fluoranthene
Concen: 10.73 ug/mL
RT: 17.039 min Scan# 3074
Delta R.T. -0.010 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:252 Resp: 2667799

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.3	25.9
125	16.6	13.3	19.9

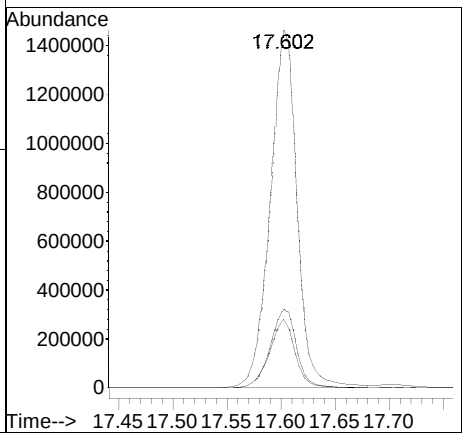


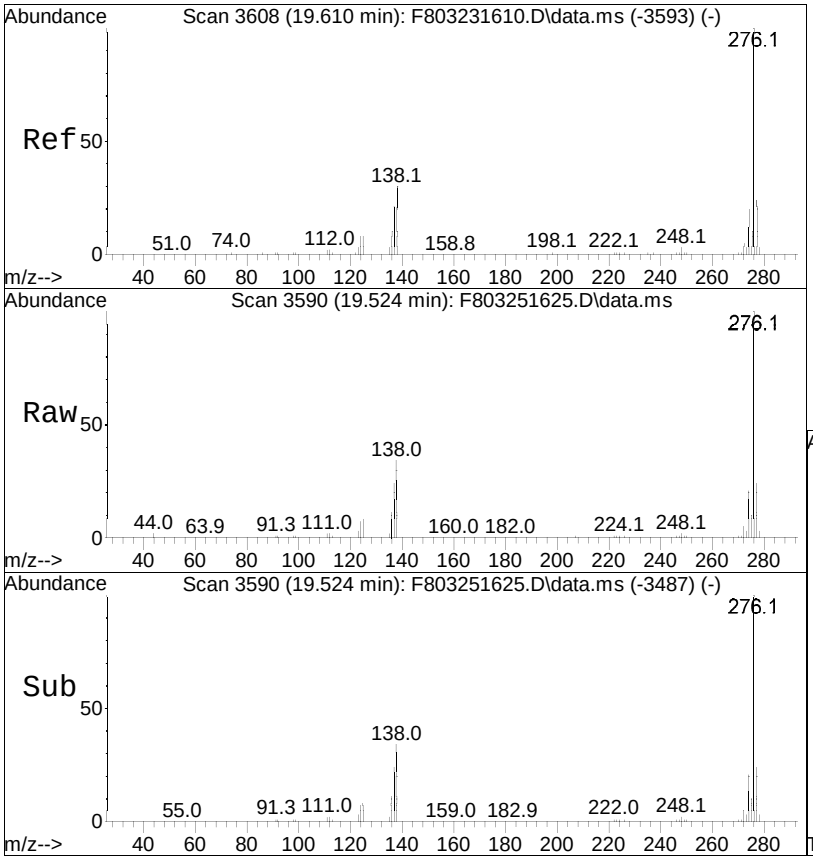


#89
Benzo[a]pyrene
Concen: 10.09 ug/mL
RT: 17.602 min Scan# 3191
Delta R.T. -0.015 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:252 Resp: 2482297

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	18.5	14.3	21.5

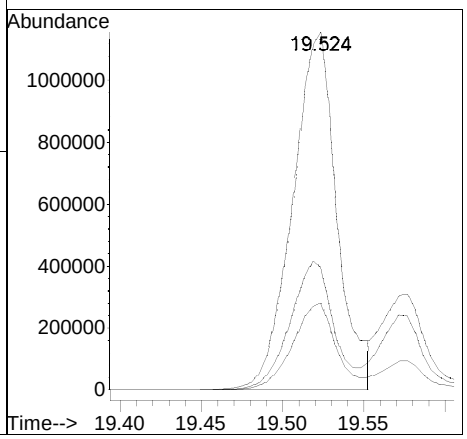


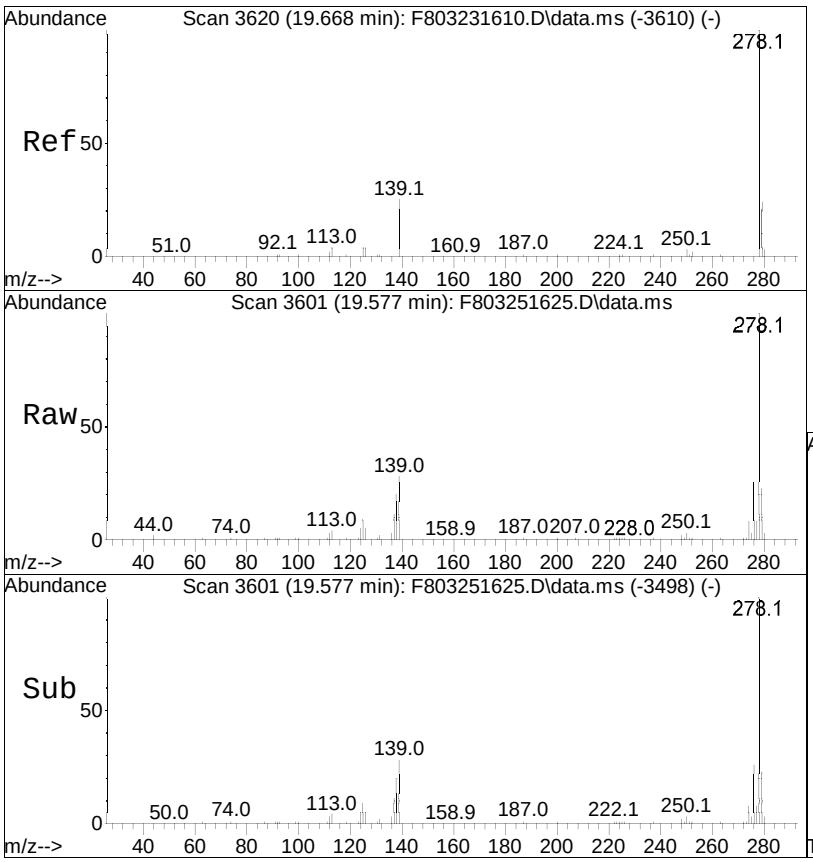


#90
Indeno[1,2,3-cd]pyrene
Concen: 10.06 ug/mL
RT: 19.524 min Scan# 3590
Delta R.T. -0.005 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:276 Resp: 2186653

Ion	Ratio	Lower	Upper
276	100		
138	35.6	28.2	42.2
277	23.6	19.4	29.0

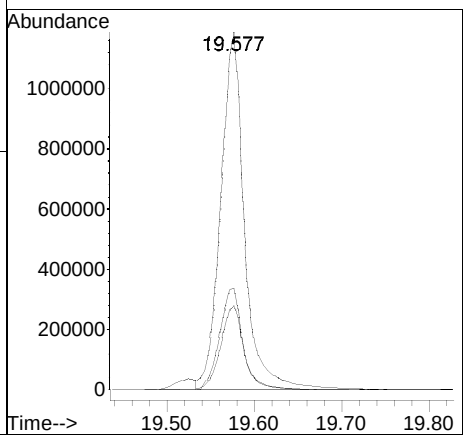


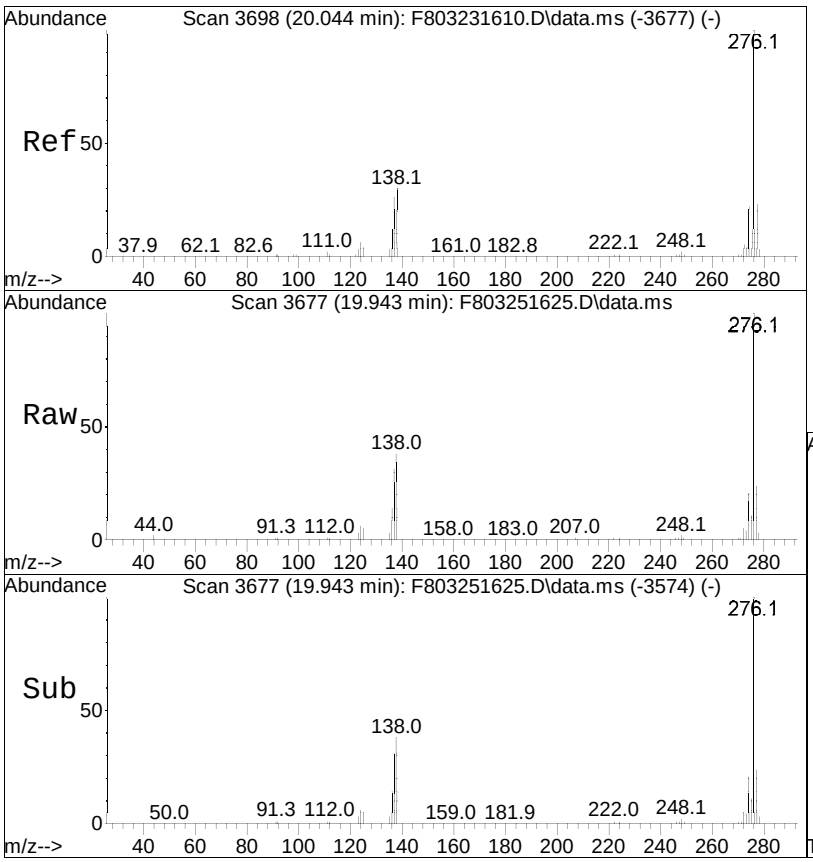


#91
Dibenz[a,h]anthracene
Concen: 10.19 ug/mL M4
RT: 19.577 min Scan# 3601
Delta R.T. -0.005 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:278 Resp: 2210677

Ion	Ratio	Lower	Upper
278	100		
139	28.8	23.4	35.0
279	24.2	19.4	29.0

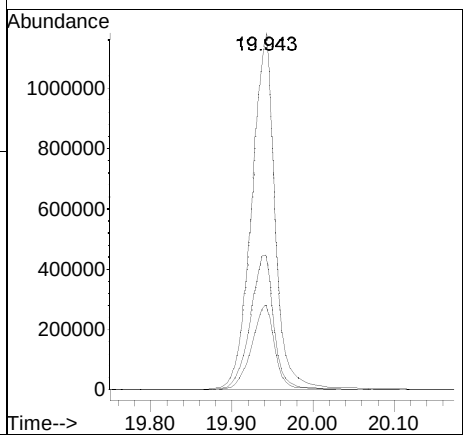




#92
Benzo[g,h,i]perylene
Concen: 10.28 ug/mL
RT: 19.943 min Scan# 3677
Delta R.T. -0.005 min
Lab File: F803251625.D
Acq: 26 Mar 2016 2:49 pm

Tgt Ion:276 Resp: 2351483

Ion	Ratio	Lower	Upper
276	100		
138	38.7	31.4	47.2
277	23.9	19.4	29.0



LCS Duplicate Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251626.D
Acq On : 26 Mar 2016 3:20 pm
Operator : BNA8:ML
Sample : WG876532-3
Misc : WG878844,WG876532,ICAL12196
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Mar 30 16:03:51 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 09:33:35 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.755	152	491189	5.000	ug/mL	0.00
21) Naphthalene-d8	5.911	136	1805815	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.606	164	826380	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.397	188	1505534	5.000	ug/mL	0.00
76) Chrysene-d12	14.627	240	1425089	5.000	ug/mL	0.00
85) Perylene-d12	17.708	264	1242514	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.696	112	1199687	10.999	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 55.00%			
8) Phenol-d5	4.418	99	988369	7.506	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 37.53%			
22) Nitrobenzene-d5	5.246	82	1694855	19.563	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 97.81%			
43) 2-Fluorobiphenyl	6.946	172	3487366	18.112	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 90.56%			
65) 2,4,6-Tribromophenol	8.473	330	417925	22.653	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 113.26%			
79) Terphenyl-d14	12.330	244	3672443	20.156	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 100.78%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.781	74	354539	5.497	ug/mL#	96
3) Pyridine	2.805	79	562340	4.693	ug/mL	100
5) Benzaldehyde	4.389	77	741346	8.657	ug/ml	99
6) Aniline	4.476	93	1121040	7.228	ug/ml	99
7) bis(2-Chloroethyl)ether	4.519	63	623292	8.789	ug/mL	99
9) Phenol	4.428	94	546095	3.910	ug/mL#	92
10) 2-Chlorophenol	4.572	128	1011857	8.411	ug/mL	98
11) 1,3-Dichlorobenzene	4.707	146	1037301	8.072	ug/mL	100
12) 1,4-Dichlorobenzene	4.770	146	1045294	8.157	ug/mL	99
13) 1,2-Dichlorobenzene	4.904	146	1012800	8.375	ug/mL	100
14) Benzyl alcohol	4.866	108	581802	8.195	ug/mL	99
15) bis(2-chloroisopropyl)eth	4.986	45	1037428	8.621	ug/mL	99
16) 2-Methylphenol	4.957	108	730373	7.678	ug/mL	99
17) Acetophenone	5.107	105	1238654	9.084	ug/ml#	80
18) Hexachloroethane	5.203	117	389730	7.869	ug/mL	98
19) N-Nitroso-di-n-propylamin	5.107	70	627159	8.817	ug/mL	98
20) 4-Methylphenol	5.092	108	746201	7.384	ug/mL	98
23) Nitrobenzene	5.266	77	855044	9.506	ug/mL	98

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251626.D
Acq On : 26 Mar 2016 3:20 pm
Operator : BNA8:ML
Sample : WG876532-3
Misc : WG878844,WG876532,ICAL12196
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Mar 30 16:03:51 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 09:33:35 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.482	82	1547629	9.583	ug/mL	99
25) 2-Nitrophenol	5.555	139	528373	9.779	ug/mL	98
26) 2,4-Dimethylphenol	5.583	107	763307	8.691	ug/mL	98
27) Benzoic acid	5.656	105	269574M4	6.963	ug/mL	
28) bis(2-Chloroethoxy)methan	5.675	93	1052003	9.279	ug/mL	100
29) 2,4-Dichlorophenol	5.771	162	808242	9.513	ug/mL	100
30) 1,2,4-Trichlorobenzene	5.858	180	785138	8.636	ug/mL	100
31) Naphthalene	5.935	128	2653480	8.903	ug/mL	100
32) 2-Chloroaniline	5.521	127	1561839	9.990	ug/ml	99
33) 4-Chloroaniline	5.978	127	1086096	8.460	ug/mL	99
34) Hexachlorobutadiene	6.046	225	365833	8.296	ug/mL	99
35) Caprolactam	6.306	113	82508M4	2.741	ug/ml	
36) 4-Chloro-3-methylphenol	6.436	107	810839	9.854	ug/mL	100
37) 2-Methylnaphthalene	6.590	142	1825333	9.372	ug/mL	100
39) 1,2,4,5-Tetrachlorobenzen	6.754	216	745450	9.996	ug/mL	100
40) Hexachlorocyclopentadiene	6.744	237	340570	8.480	ug/mL	99
41) 2,4,6-Trichlorophenol	6.859	196	555402	9.727	ug/mL	99
42) 2,4,5-Trichlorophenol	6.893	196	577507	10.206	ug/mL	99
44) Biphenyl	7.042	154	2098966	9.271	ug/ml	99
45) 2-Chloronaphthalene	7.062	162	1649247	9.143	ug/mL	97
46) 2-Nitroaniline	7.158	65	423641	11.286	ug/mL	94
47) Acenaphthylene	7.466	152	2825864	9.493	ug/mL	99
48) Dimethylphthalate	7.341	163	1909747	9.874	ug/mL	100
49) 2,6-Dinitrotoluene	7.399	165	430881	10.108	ug/mL	98
50) Acenaphthene	7.640	153	1696353	9.544	ug/mL	98
51) 3-Nitroaniline	7.563	138	449006	9.172	ug/mL	93
52) 2,4-Dinitrophenol	7.668	184	191413	9.667	ug/mL	93
53) Dibenzofuran	7.818	168	2260822	9.825	ug/mL	99
54) 2,3,4,6-Tetrachlorophenol	7.943	232	401621	11.393	ug/mL	100
55) 2,4-Dinitrotoluene	7.803	165	576771	10.046	ug/mL#	82
56) 4-Nitrophenol	7.726	109	95042	4.556	ug/mL	97
57) Fluorene	8.193	166	1880727	9.956	ug/mL	100
58) 4-Chlorophenyl-phenylethe	8.193	204	815377	10.009	ug/mL	99
59) Diethylphthalate	8.073	149	2037109	9.970	ug/mL	99
60) 4-Nitroaniline	8.217	138	512367	9.827	ug/mL	99
62) 4,6-Dinitro-2-methylpheno	8.251	198	298154	10.391	ug/mL	100
63) Azobenzene	8.381	182	513142	9.789	ug/mL	97
64) n-Nitrosodiphenylamine	8.333	169	1375325	10.070	ug/mL	99
66) 4-Bromophenyl-phenylether	8.790	248	460164	9.648	ug/mL	98
67) Hexachlorobenzene	8.858	284	472007	9.740	ug/mL	96
68) Atrazine	9.017	200	492971	10.080	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251626.D
Acq On : 26 Mar 2016 3:20 pm
Operator : BNA8:ML
Sample : WG876532-3
Misc : WG878844,WG876532,ICAL12196
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Mar 30 16:03:51 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 09:33:35 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	9.127	266	344143	9.000	ug/mL	99
70) Pentachloronitrobenzene	9.147	237	198042	10.860	ug/ml	93
71) Phenanthrene	9.436	178	2713432	9.905	ug/mL	100
72) Anthracene	9.513	178	2750446	9.868	ug/mL	99
73) Carbazole	9.763	167	2783047	10.200	ug/mL	100
74) Di-n-butylphthalate	10.389	149	3517591	10.428	ug/mL	100
75) Fluoranthene	11.473	202	2873545	9.923	ug/mL	99
77) Benzidine	11.795	184	1314893	6.224	ug/mL	98
78) Pyrene	11.916	202	3014439	9.786	ug/mL	99
80) Butylbenzylphthalate	13.505	149	1584159	10.182	ug/mL	99
81) 3,3'-Dichlorobenzidine	14.631	252	813886	8.862	ug/mL	99
82) Benz[a]anthracene	14.602	228	2610914	9.266	ug/mL	100
83) Chrysene	14.684	228	2626033	9.678	ug/mL	99
84) bis(2-Ethylhexyl)phthalat	14.978	149	2107044	10.083	ug/mL	100
86) Di-n-octylphthalate	16.485	149	3498955	11.019	ug/mL	99
87) Benzo[b]fluoranthene	16.981	252	2408759	10.161	ug/mL	99
88) Benzo[k]fluoranthene	17.039	252	2513816	10.921	ug/mL	99
89) Benzo[a]pyrene	17.602	252	2313076	10.160	ug/mL	99
90) Indeno[1,2,3-cd]pyrene	19.519	276	1988042	9.875	ug/mL	100
91) Dibenz[a,h]anthracene	19.572	278	2039529M4	10.152	ug/mL	
92) Benzo[g,h,i]perylene	19.938	276	2196514	10.369	ug/mL	99

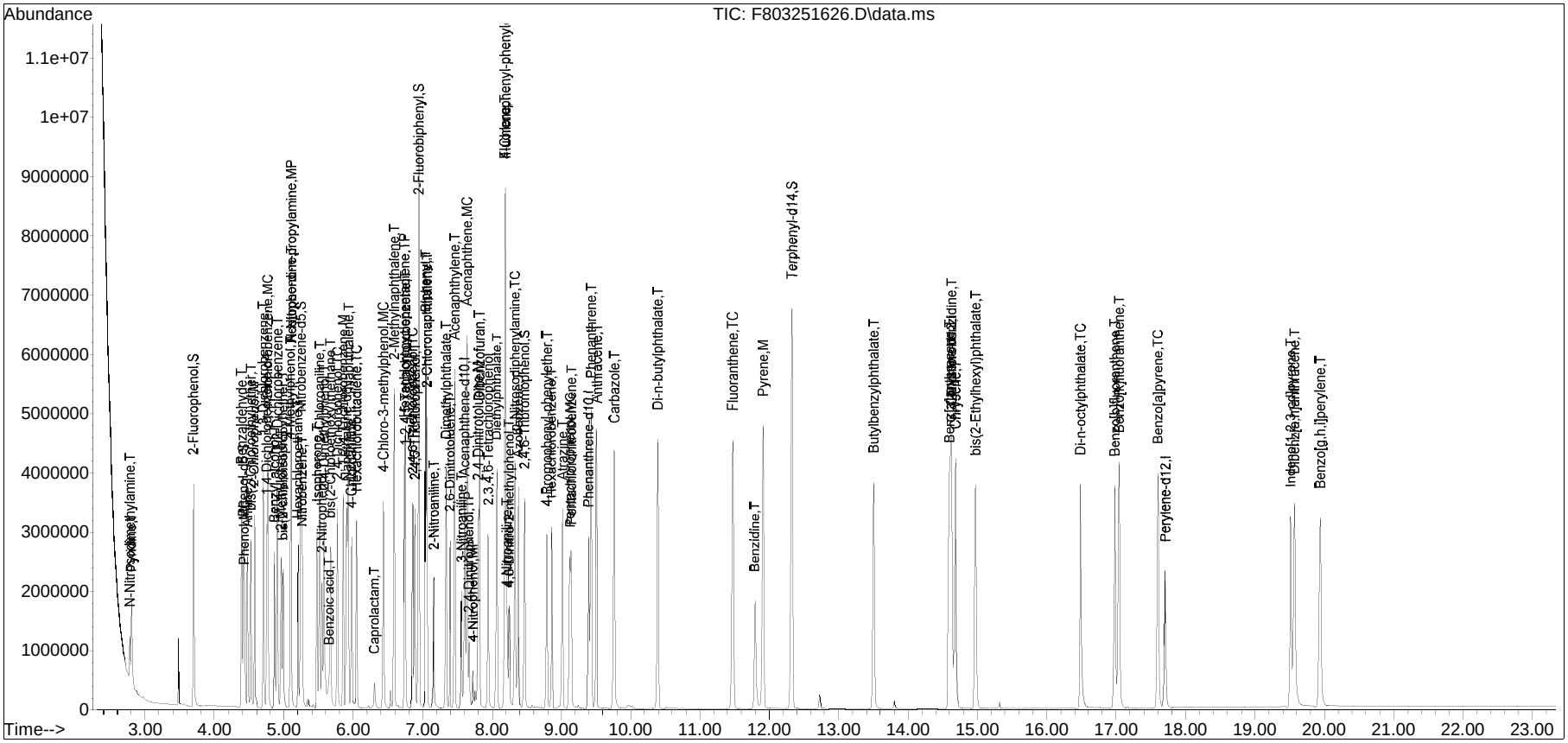
(#) = qualifier out of range (m) = manual integration (+) = signals summed

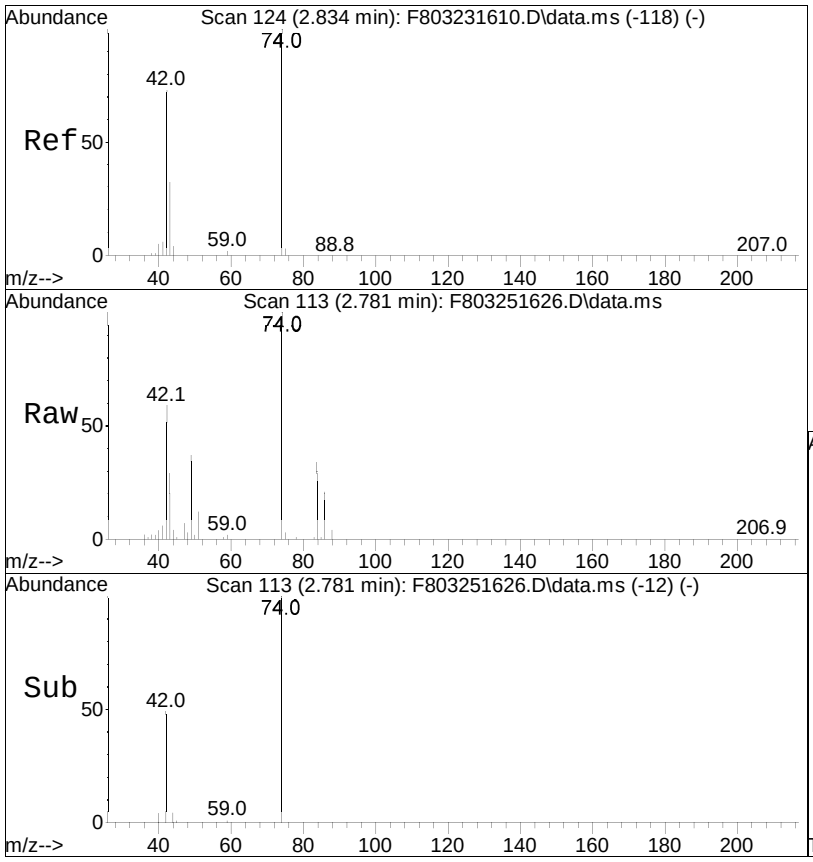
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Mar\Mar25\
Data File : F803251626.D
Acq On : 26 Mar 2016 3:20 pm
Operator : BNA8:ML
Sample : WG876532-3
Misc : WG878844,WG876532,ICAL12196
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Mar 30 16:03:51 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Mar\Mar25\SV0325BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 26 09:33:35 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

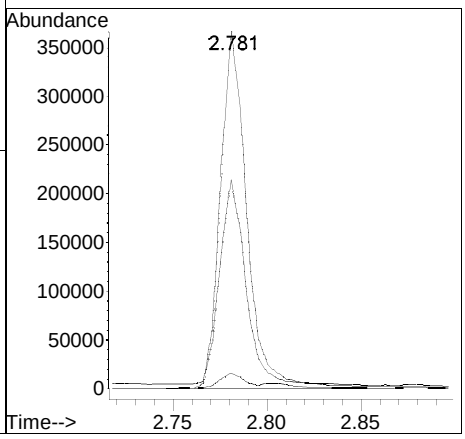


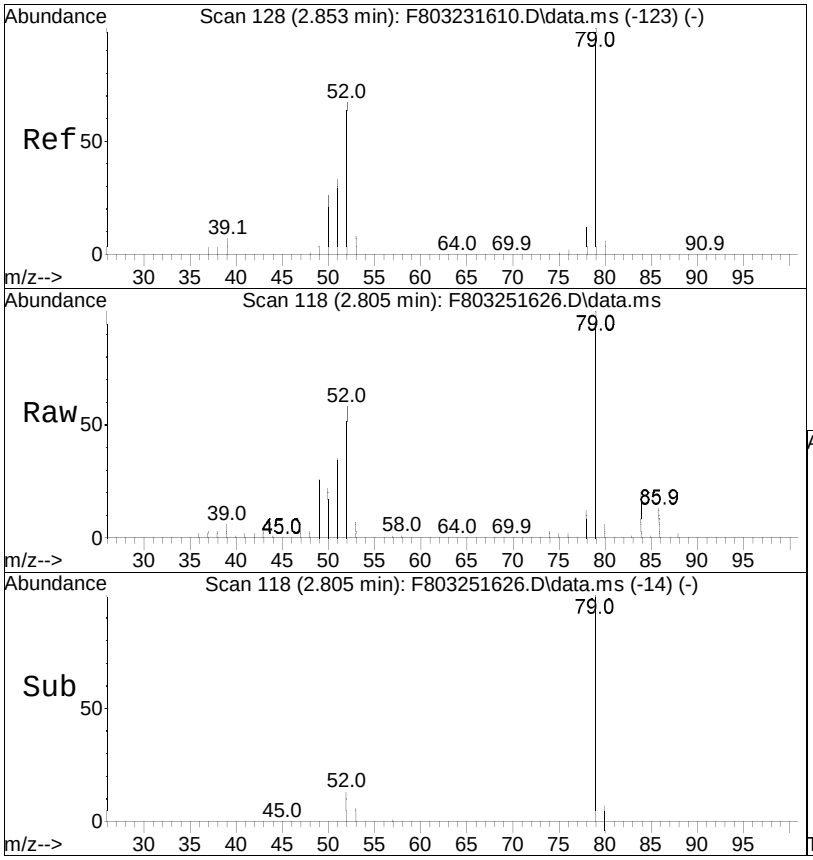


#2
N-Nitrosodimethylamine
Concen: 5.50 ug/mL
RT: 2.781 min Scan# 113
Delta R.T. -0.014 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion: 74 Resp: 354539

Ion	Ratio	Lower	Upper
74	100		
42	57.3	43.8	65.6
40	3.9	4.2	6.4#

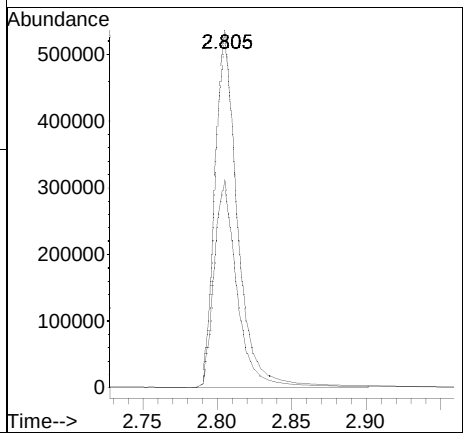


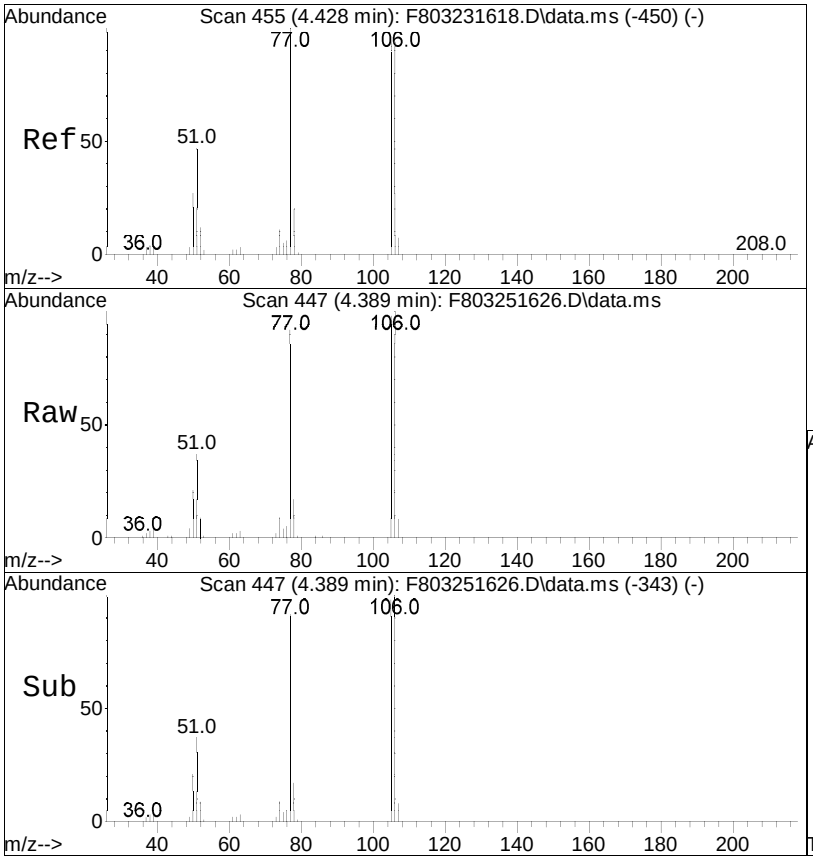


#3
Pyridine
Concen: 4.69 ug/mL
RT: 2.805 min Scan# 118
Delta R.T. -0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion: 79 Resp: 562340

Ion	Ratio	Lower	Upper
79	100		
52	58.1	46.6	69.8

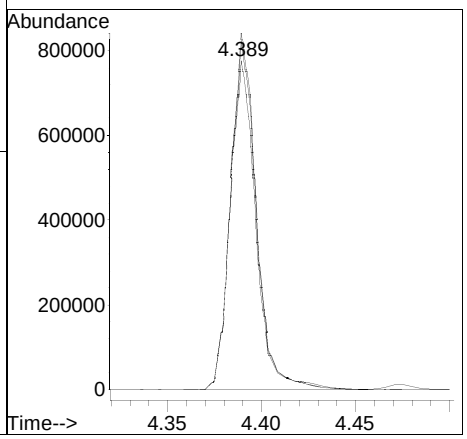


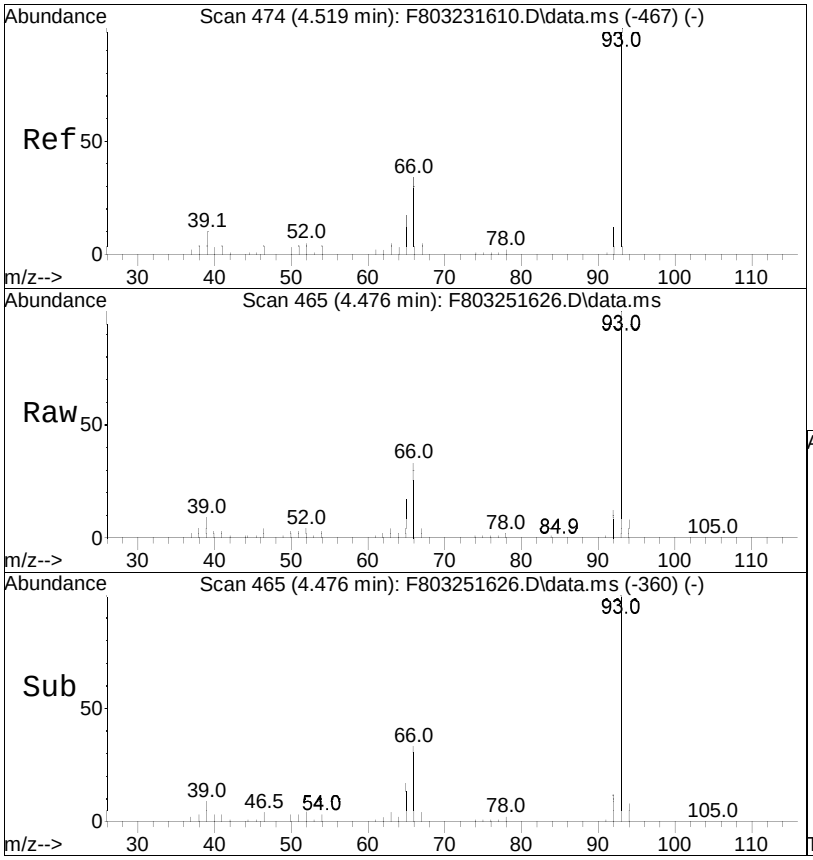


#5
Benzaldehyde
Concen: 8.66 ug/ml
RT: 4.389 min Scan# 447
Delta R.T. 0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion: 77 Resp: 741346

Ion	Ratio	Lower	Upper
77	100		
105	104.5	83.8	125.6
106	108.2	87.4	131.2

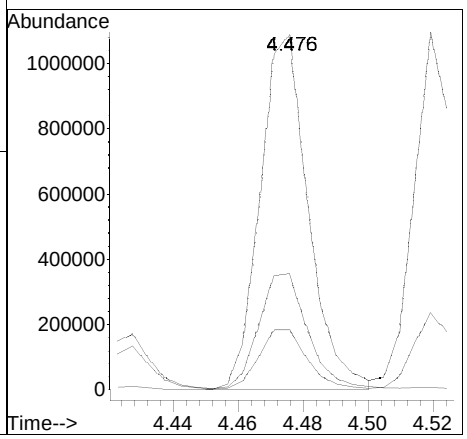


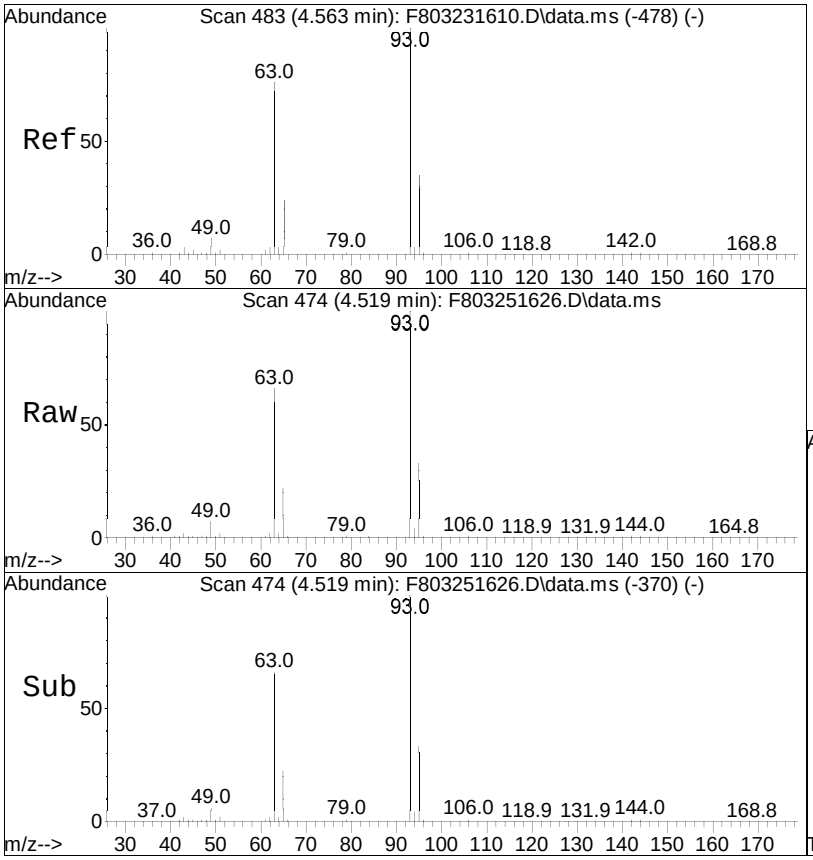


#6
Aniline
Concen: 7.23 ug/ml
RT: 4.476 min Scan# 465
Delta R.T. 0.005 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion: 93 Resp: 1121040

Ion	Ratio	Lower	Upper
93	100		
66	33.7	26.7	40.1
65	17.4	14.2	21.4

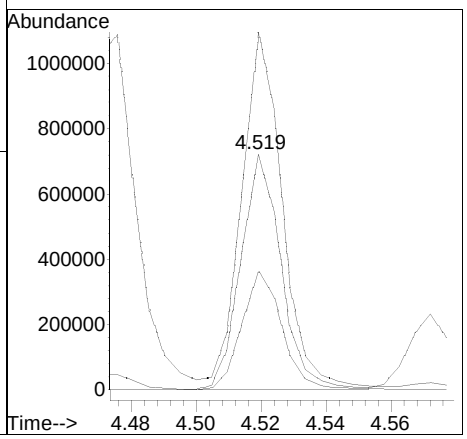


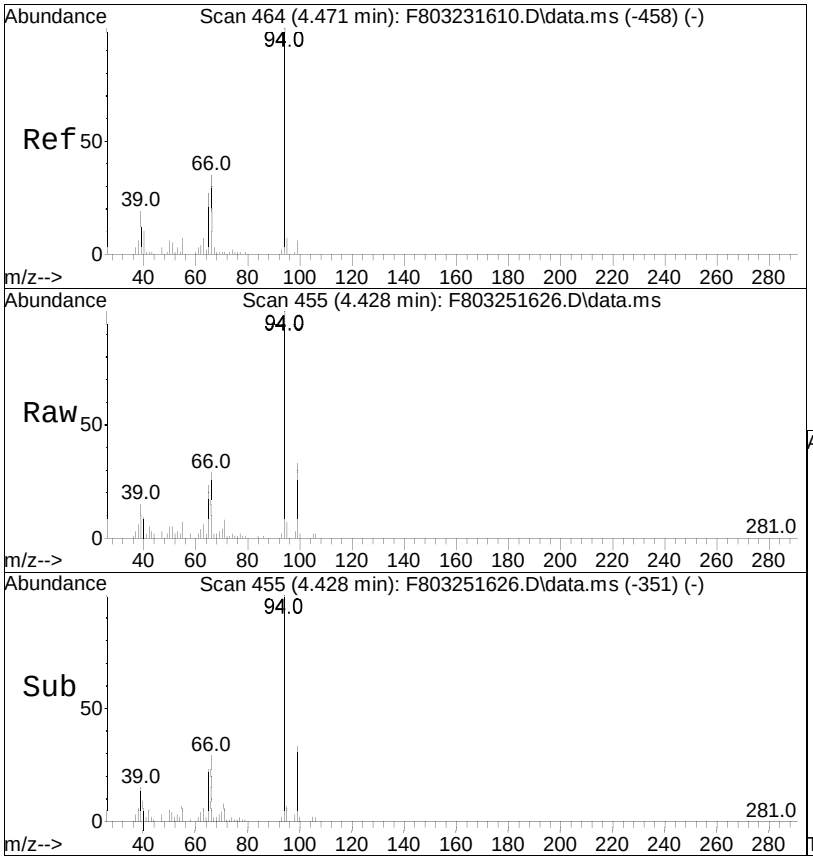


#7
bis(2-Chloroethyl)ether
Concen: 8.79 ug/mL
RT: 4.519 min Scan# 474
Delta R.T. 0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion: 63 Resp: 623292

Ion	Ratio	Lower	Upper
63	100		
93	154.0	123.0	184.4
95	50.4	41.1	61.7

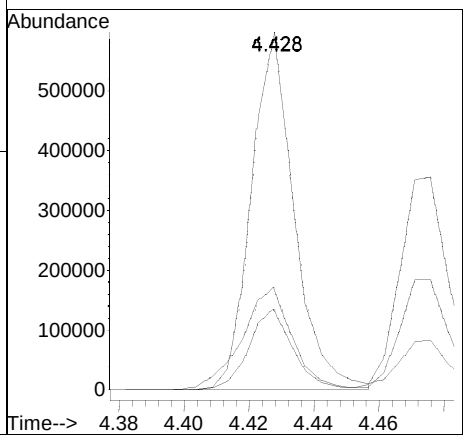


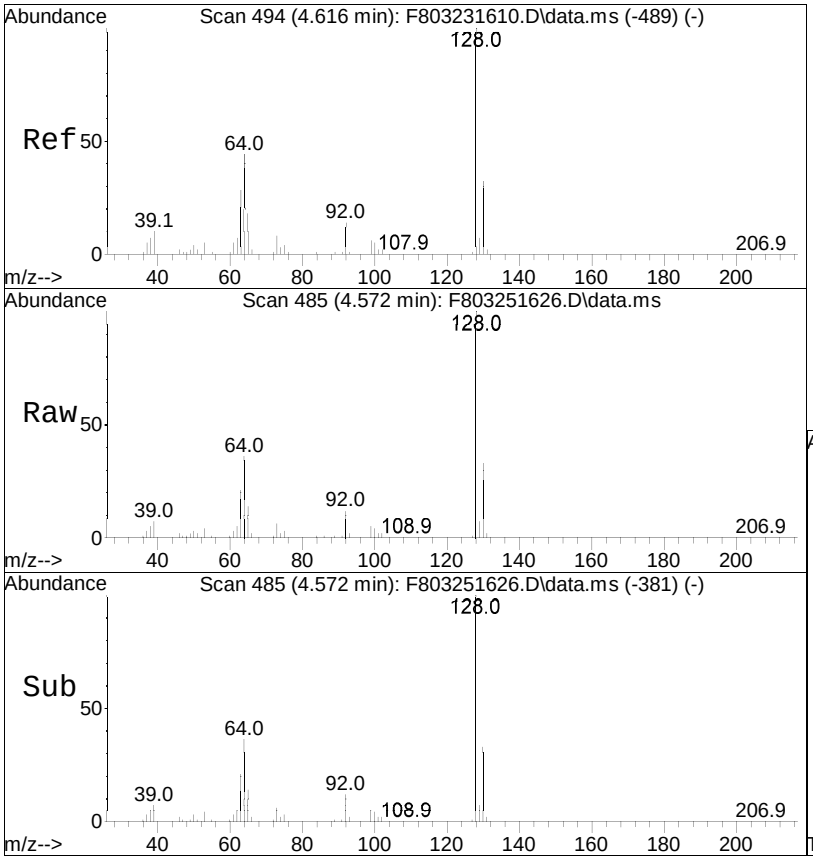


#9
Phenol
Concen: 3.91 ug/mL
RT: 4.428 min Scan# 455
Delta R.T. -0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion: 94 Resp: 546095

Ion	Ratio	Lower	Upper
94	100		
66	33.8	21.7	32.5#
65	23.4	17.6	26.4

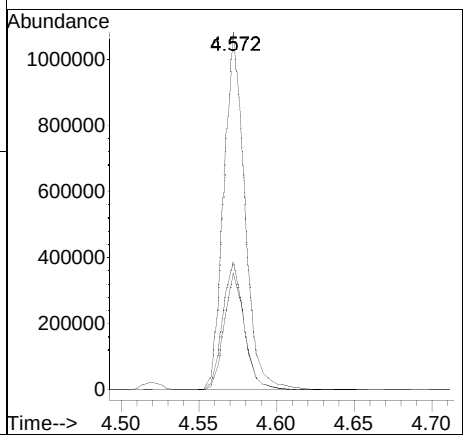


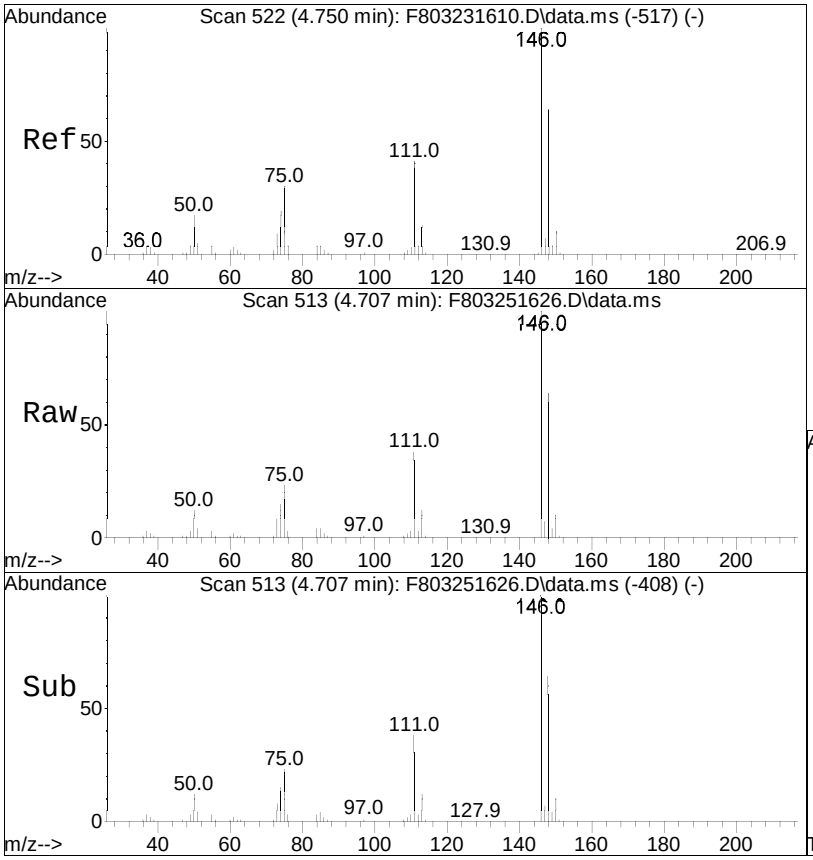


#10
2-Chlorophenol
Concen: 8.41 ug/mL
RT: 4.572 min Scan# 485
Delta R.T. 0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:128 Resp: 1011857

Ion	Ratio	Lower	Upper
128	100		
64	36.2	27.6	41.4
130	32.5	26.2	39.4

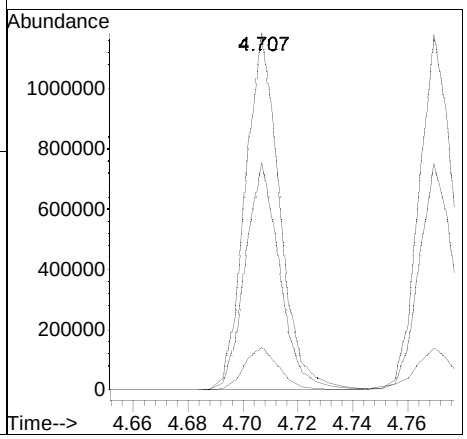


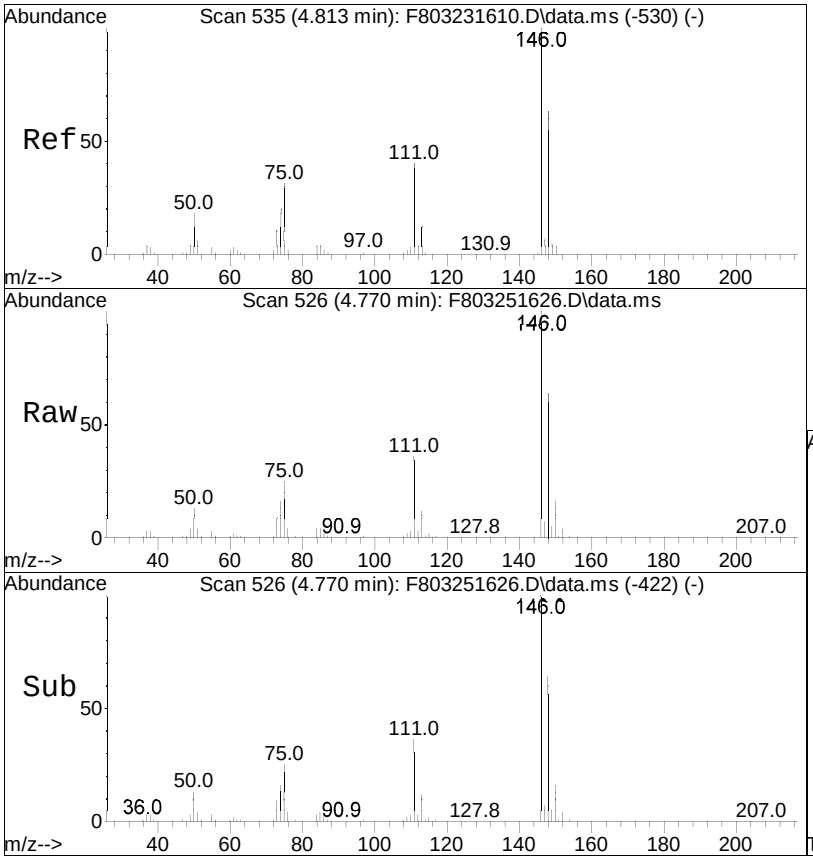


#11
1,3-Dichlorobenzene
Concen: 8.07 ug/mL
RT: 4.707 min Scan# 513
Delta R.T. 0.005 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:146 Resp: 1037301

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.0	76.6
113	12.0	9.7	14.5

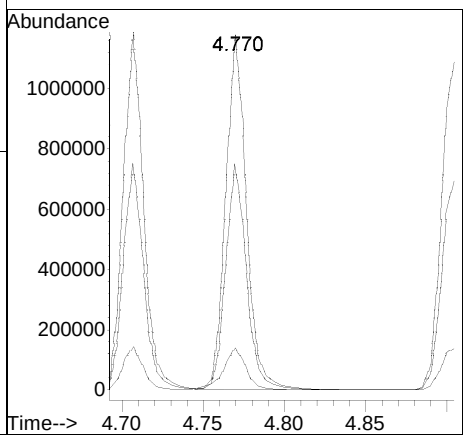


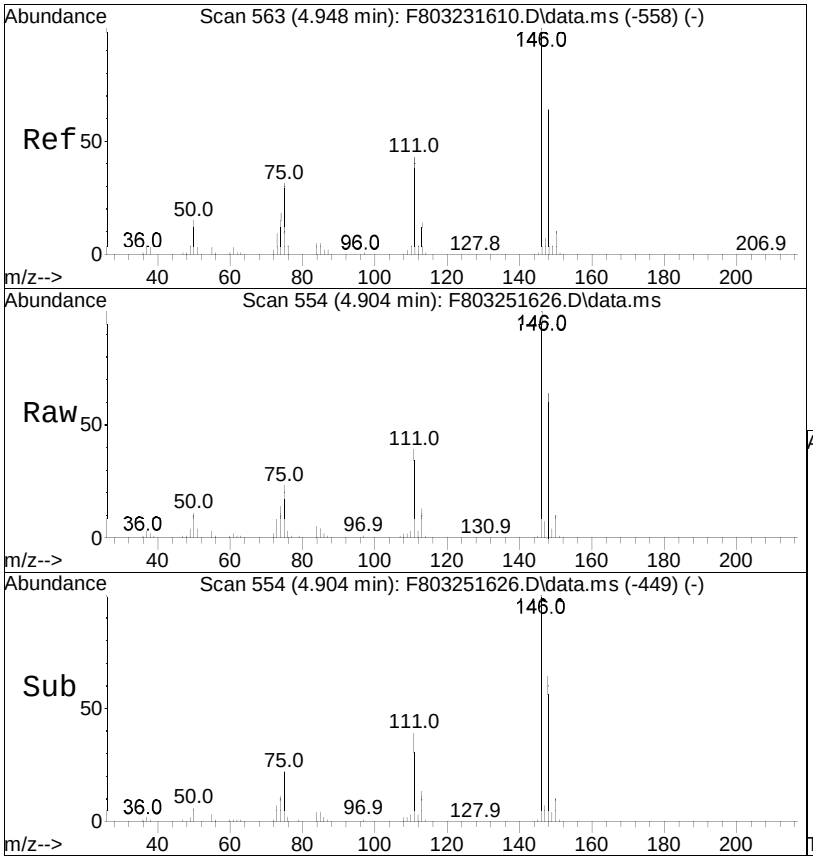


#12
1,4-Dichlorobenzene
Concen: 8.16 ug/mL
RT: 4.770 min Scan# 526
Delta R.T. -0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:146 Resp: 1045294

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.2	76.8
113	13.0	9.1	13.7

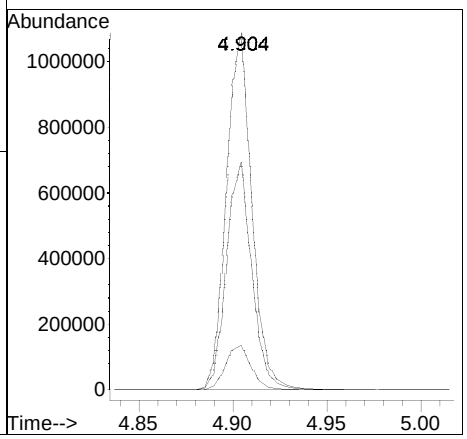


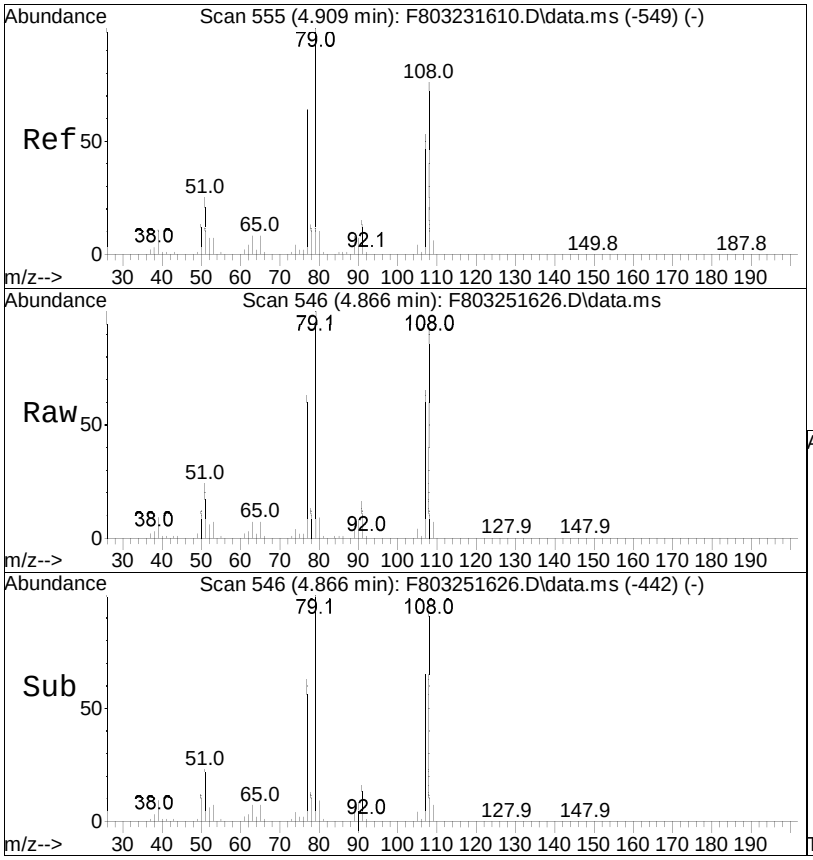


#13
1,2-Dichlorobenzene
Concen: 8.38 ug/mL
RT: 4.904 min Scan# 554
Delta R.T. 0.004 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:146 Resp: 1012800

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.6
113	12.7	10.0	15.0

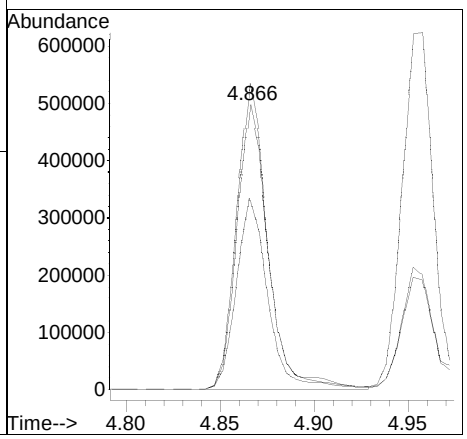


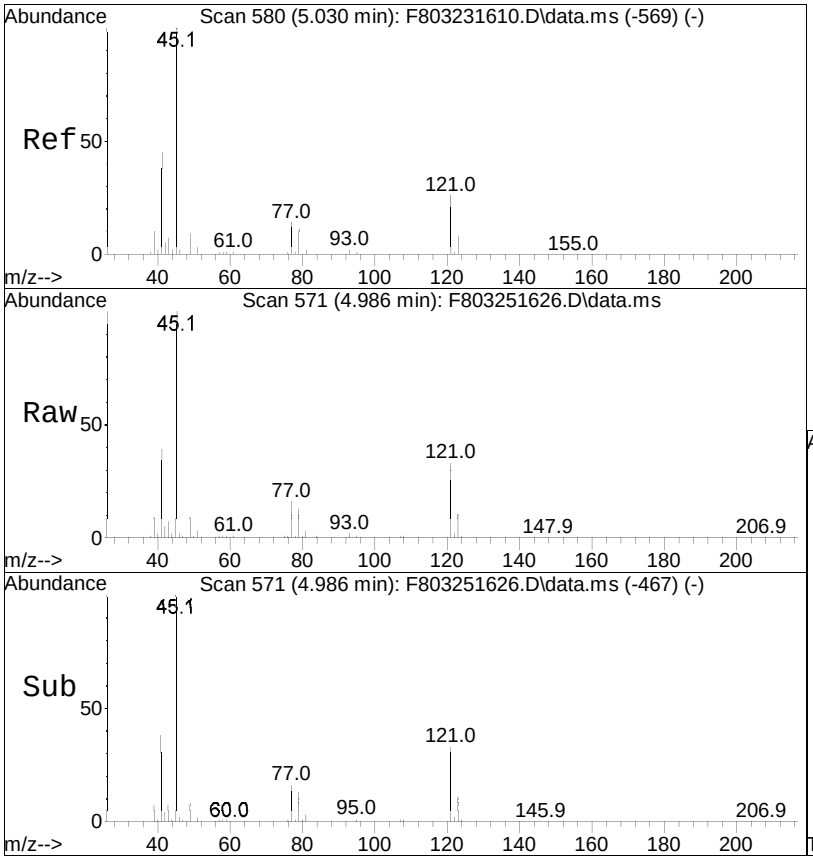


#14
Benzyl alcohol
Concen: 8.20 ug/mL
RT: 4.866 min Scan# 546
Delta R.T. -0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:108 Resp: 581802

Ion	Ratio	Lower	Upper
108	100		
79	105.7	84.5	126.7
77	67.3	52.9	79.3

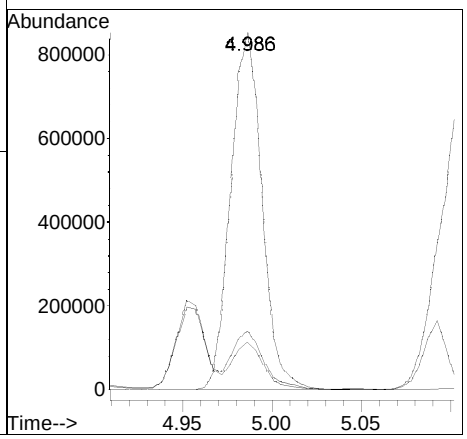


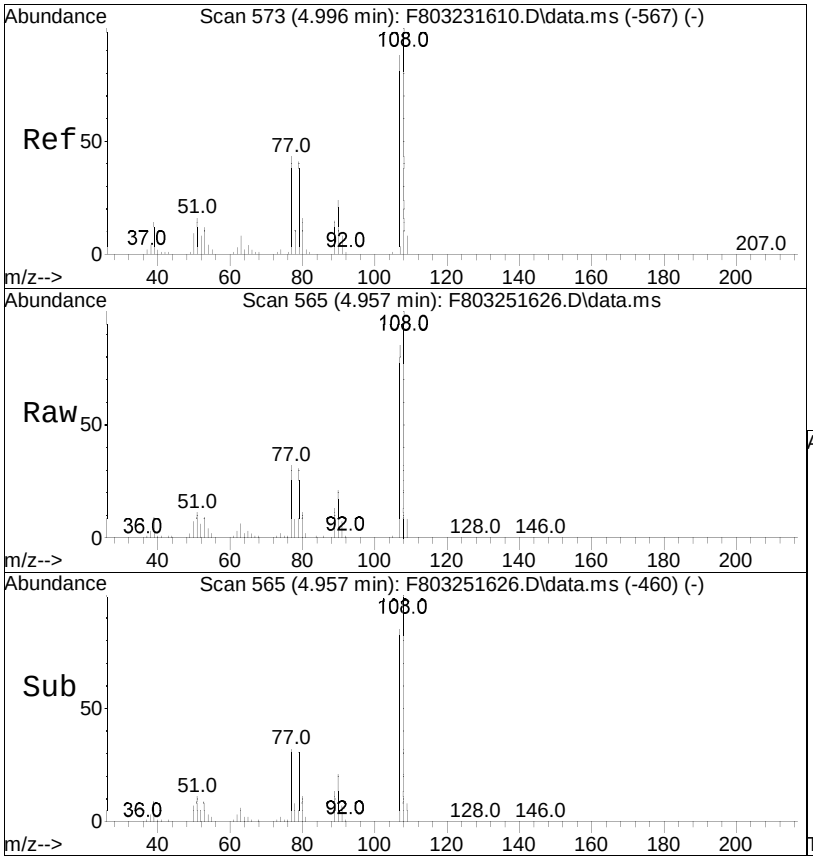


#15
bis(2-chloroisopropyl)ether
Concen: 8.62 ug/mL
RT: 4.986 min Scan# 571
Delta R.T. 0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion: 45 Resp: 1037428

Ion	Ratio	Lower	Upper
45	100		
77	16.0	13.2	19.8
79	12.8	10.9	16.3

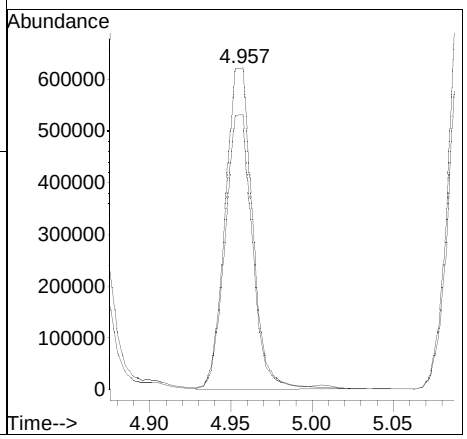


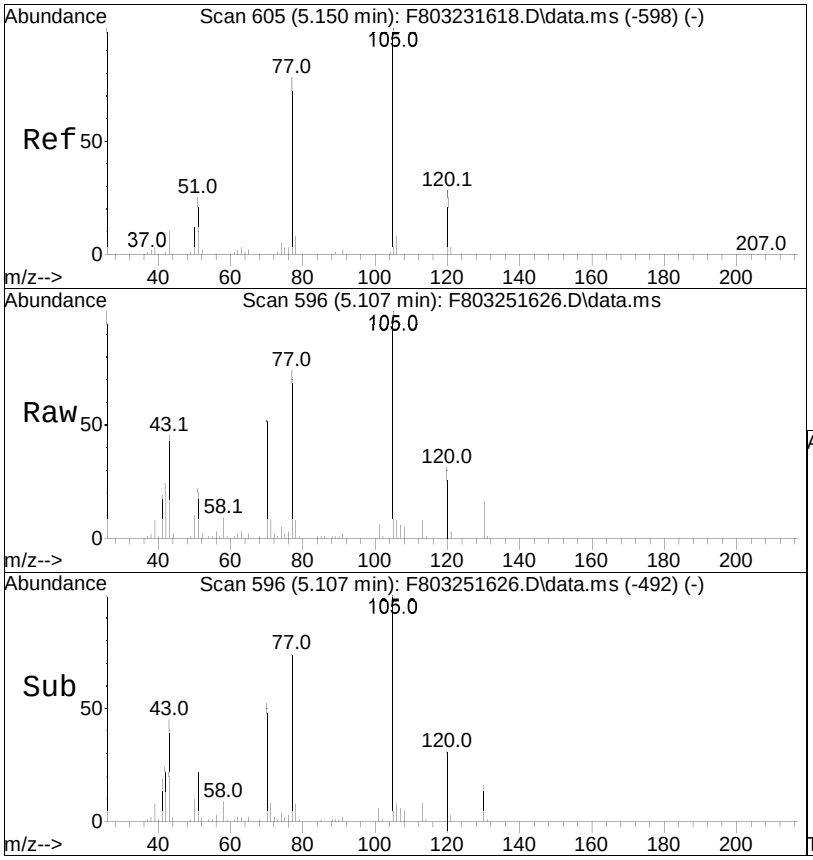


#16
2-Methylphenol
Concen: 7.68 ug/mL
RT: 4.957 min Scan# 565
Delta R.T. 0.004 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:108 Resp: 730373

Ion	Ratio	Lower	Upper
108	100		
107	83.9	68.1	102.1

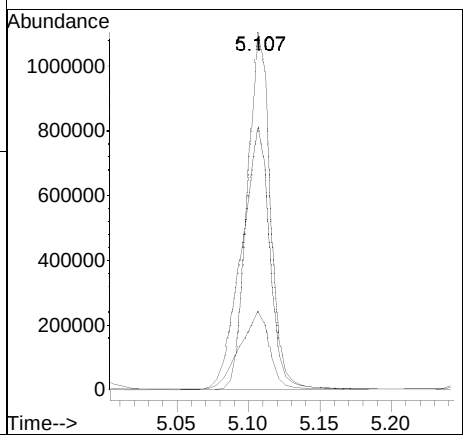


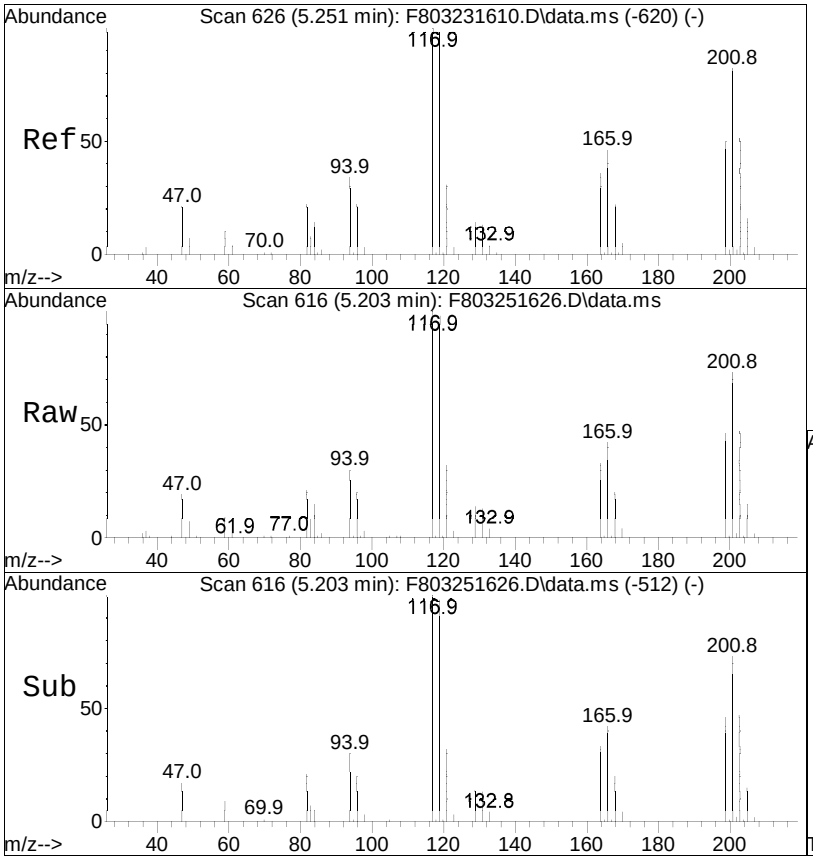


#17
Acetophenone
Concen: 9.08 ug/ml
RT: 5.107 min Scan# 596
Delta R.T. -0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:105 Resp: 1238654

Ion	Ratio	Lower	Upper
105	100		
77	89.9	57.2	85.8#
51	27.8	16.9	25.3#

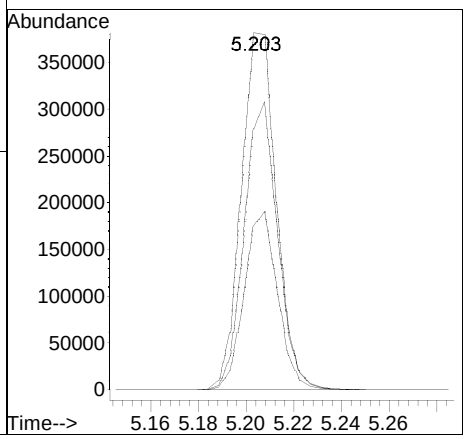


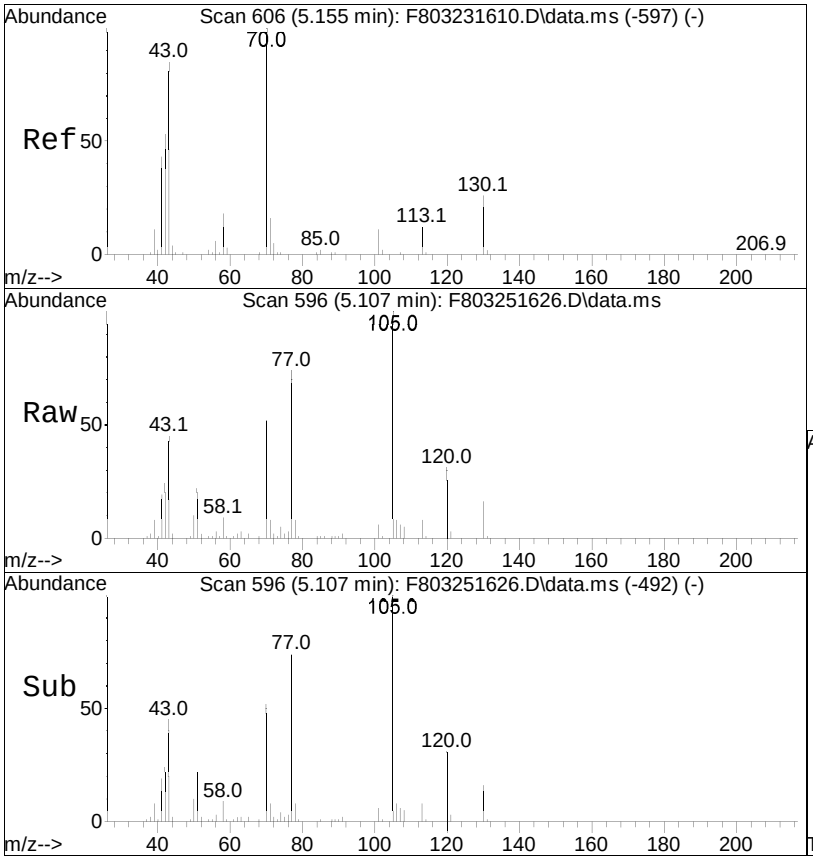


#18
Hexachloroethane
Concen: 7.87 ug/mL
RT: 5.203 min Scan# 616
Delta R.T. 0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:117 Resp: 389730

Ion	Ratio	Lower	Upper
117	100		
201	76.7	62.8	94.2
199	47.6	39.0	58.4

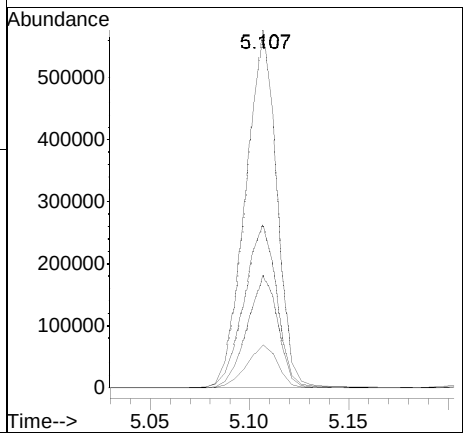


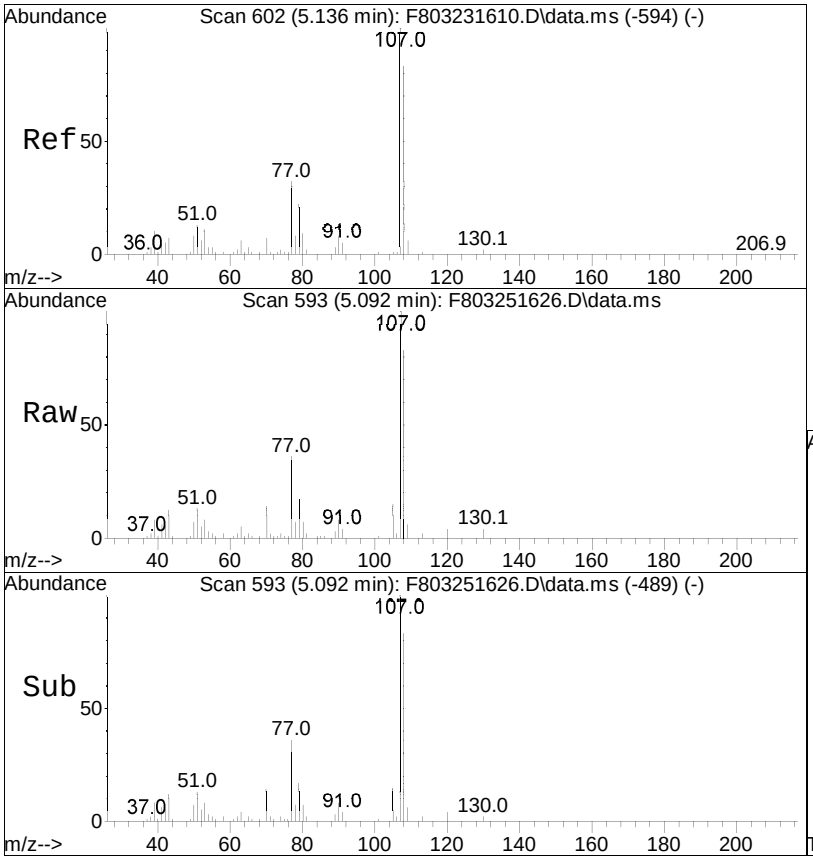


#19
N-Nitroso-di-n-propylamine
Concen: 8.82 ug/mL
RT: 5.107 min Scan# 596
Delta R.T. -0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion: 70 Resp: 627159

Ion	Ratio	Lower	Upper
70	100		
42	47.5	37.1	55.7
130	31.2	24.0	36.0
101	12.0	9.2	13.8

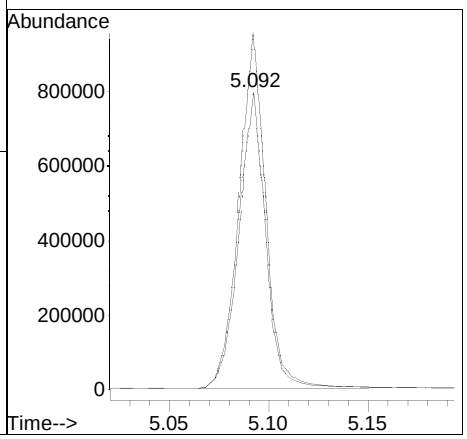


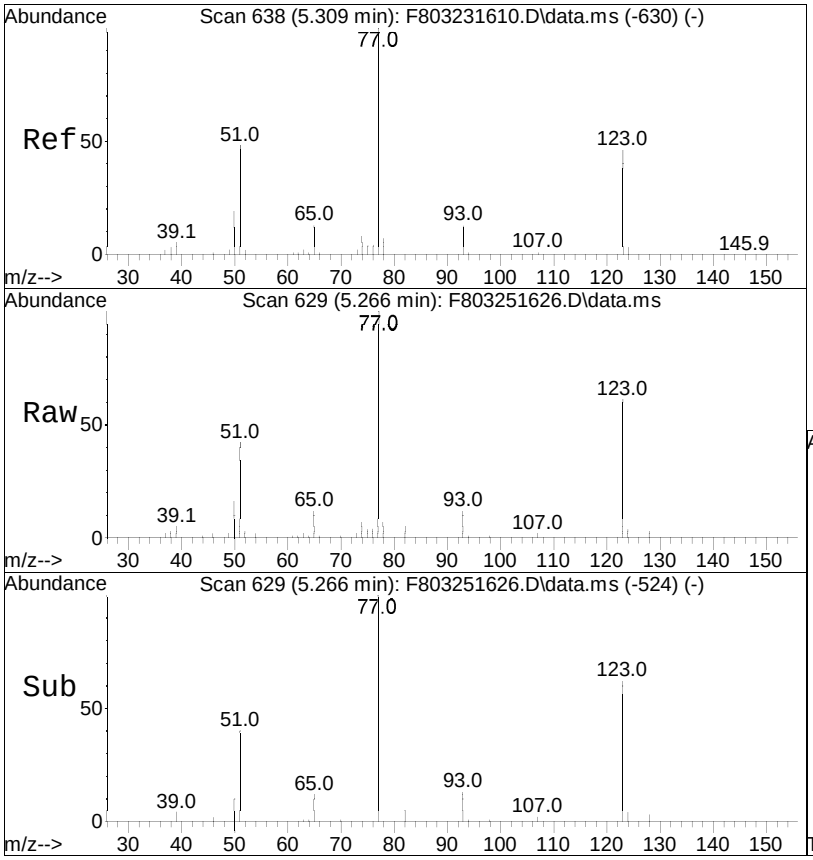


#20
4-Methylphenol
Concen: 7.38 ug/mL
RT: 5.092 min Scan# 593
Delta R.T. 0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:108 Resp: 746201

Ion	Ratio	Lower	Upper
108	100		
107	120.9	94.6	142.0

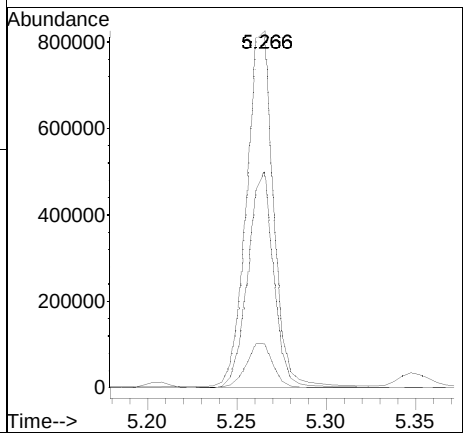


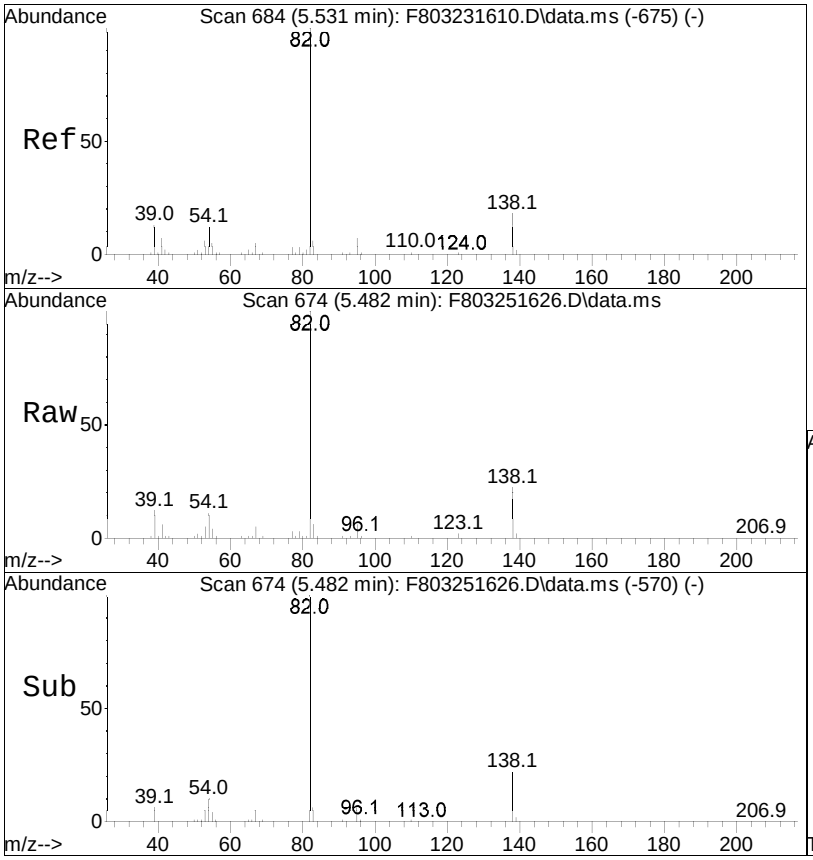


#23
Nitrobenzene
Concen: 9.51 ug/mL
RT: 5.266 min Scan# 629
Delta R.T. 0.005 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion: 77 Resp: 855044

Ion	Ratio	Lower	Upper
77	100		
123	58.8	45.4	68.2
65	12.6	10.2	15.4

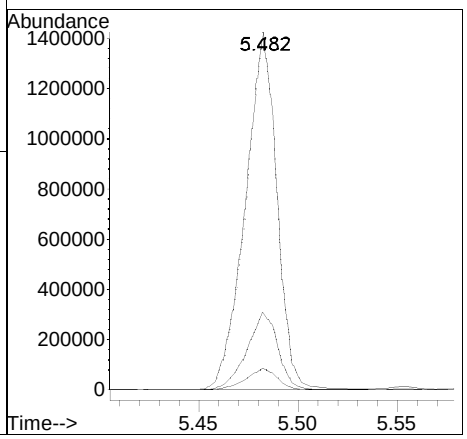


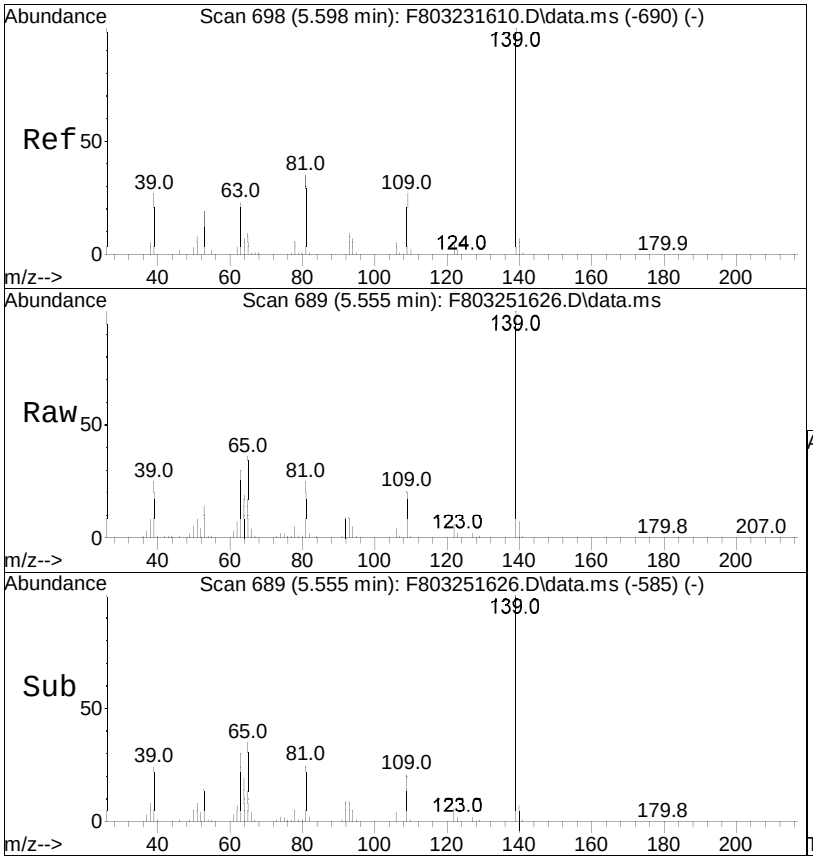


#24
Isophorone
Concen: 9.58 ug/mL
RT: 5.482 min Scan# 674
Delta R.T. 0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion: 82 Resp: 1547629

Ion	Ratio	Lower	Upper
82	100		
138	21.5	17.0	25.4
95	6.1	4.9	7.3

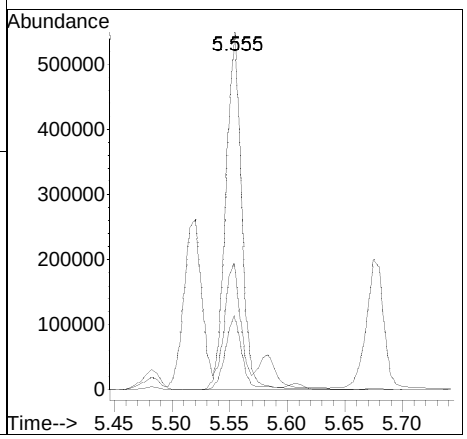


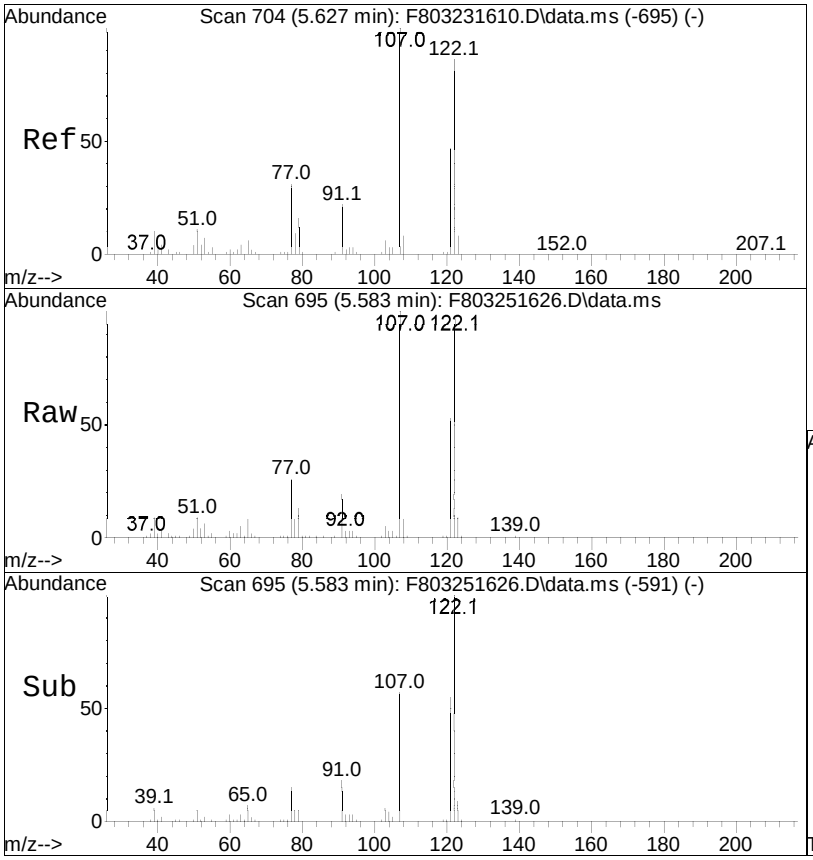


#25
2-Nitrophenol
Concen: 9.78 ug/mL
RT: 5.555 min Scan# 689
Delta R.T. -0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:139 Resp: 528373

Ion	Ratio	Lower	Upper
139	100		
65	36.6	28.4	42.6
109	20.9	16.3	24.5

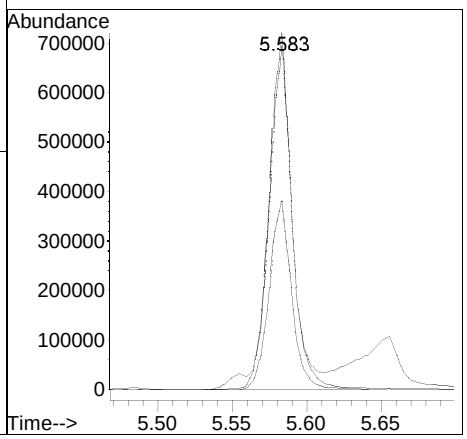


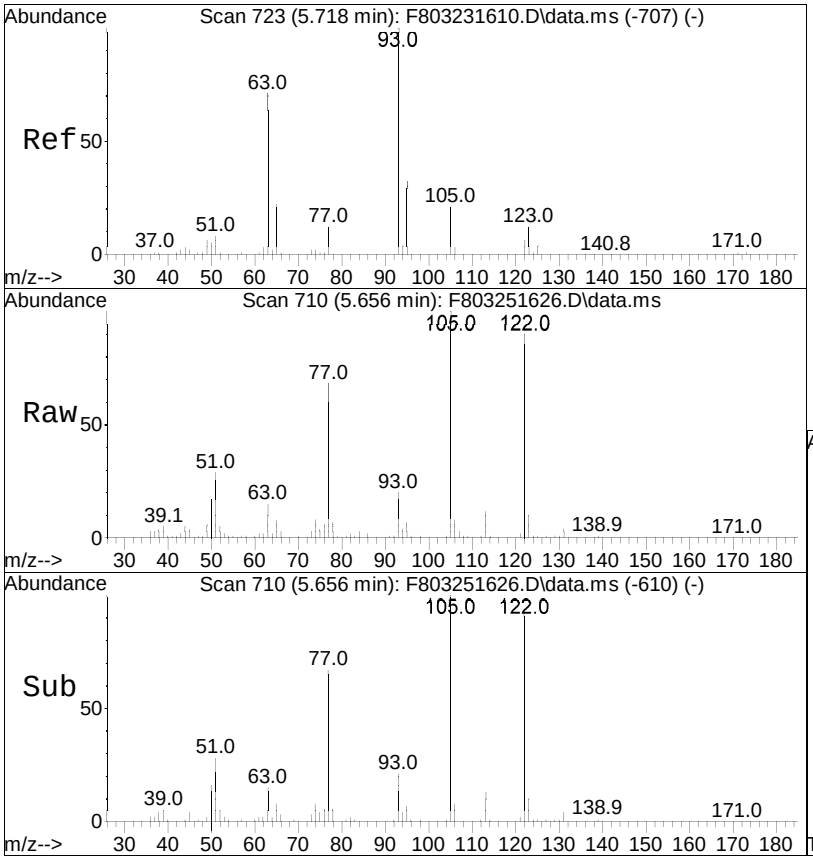


#26
2,4-Dimethylphenol
Concen: 8.69 ug/mL
RT: 5.583 min Scan# 695
Delta R.T. 0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:107 Resp: 763307

Ion	Ratio	Lower	Upper
107	100		
122	96.4	78.4	117.6
121	52.4	43.0	64.6

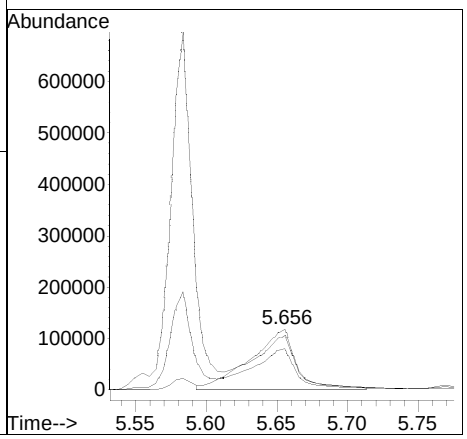


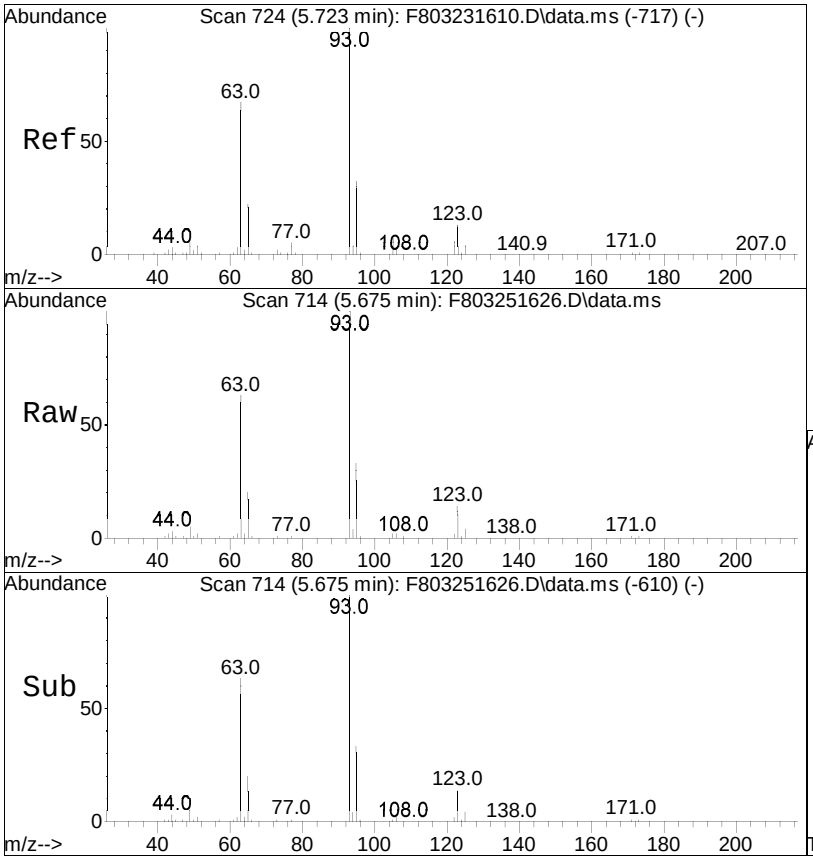


#27
Benzoic acid
Concen: 6.96 ug/mL M4
RT: 5.656 min Scan# 710
Delta R.T. -0.019 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:105 Resp: 269574

Ion	Ratio	Lower	Upper
105	100		
122	76.0	70.9	106.3
77	59.1	53.4	80.0

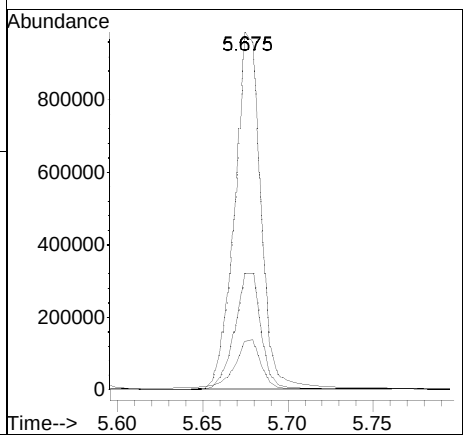


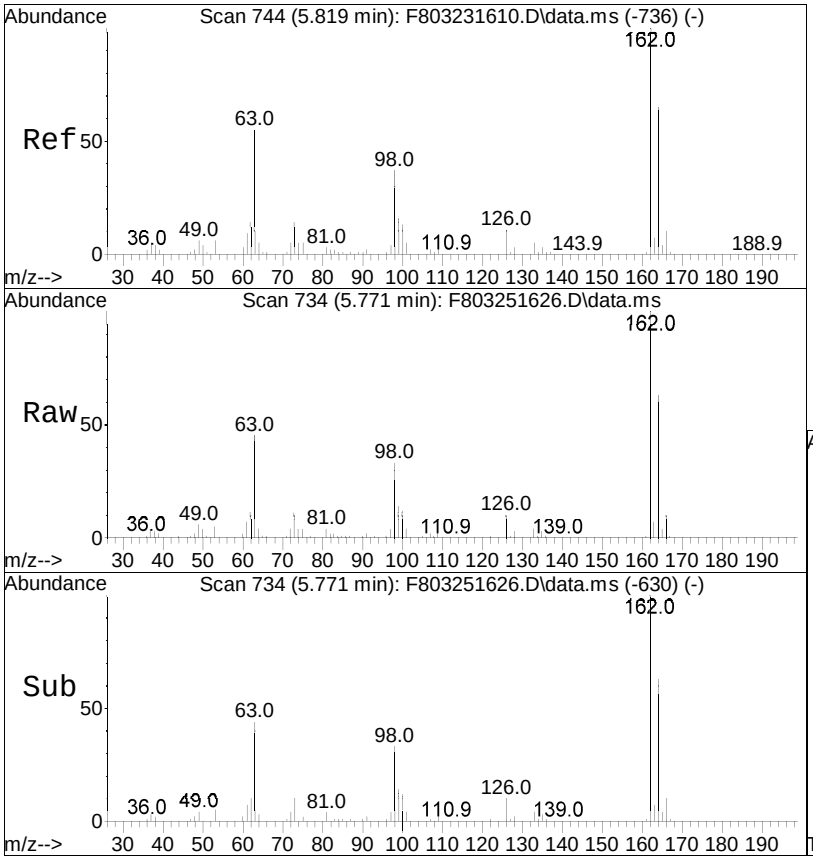


#28
bis(2-Chloroethoxy)methane
Concen: 9.28 ug/mL
RT: 5.675 min Scan# 714
Delta R.T. -0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion: 93 Resp: 1052003

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.7	40.1
123	15.1	11.9	17.9

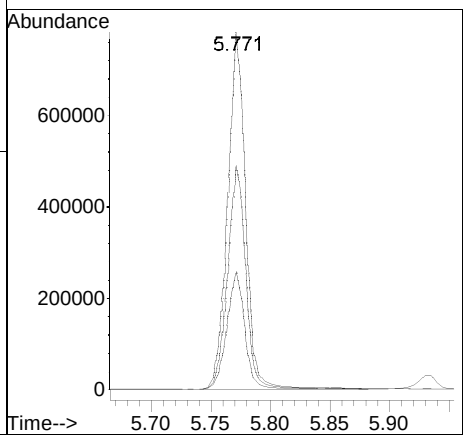


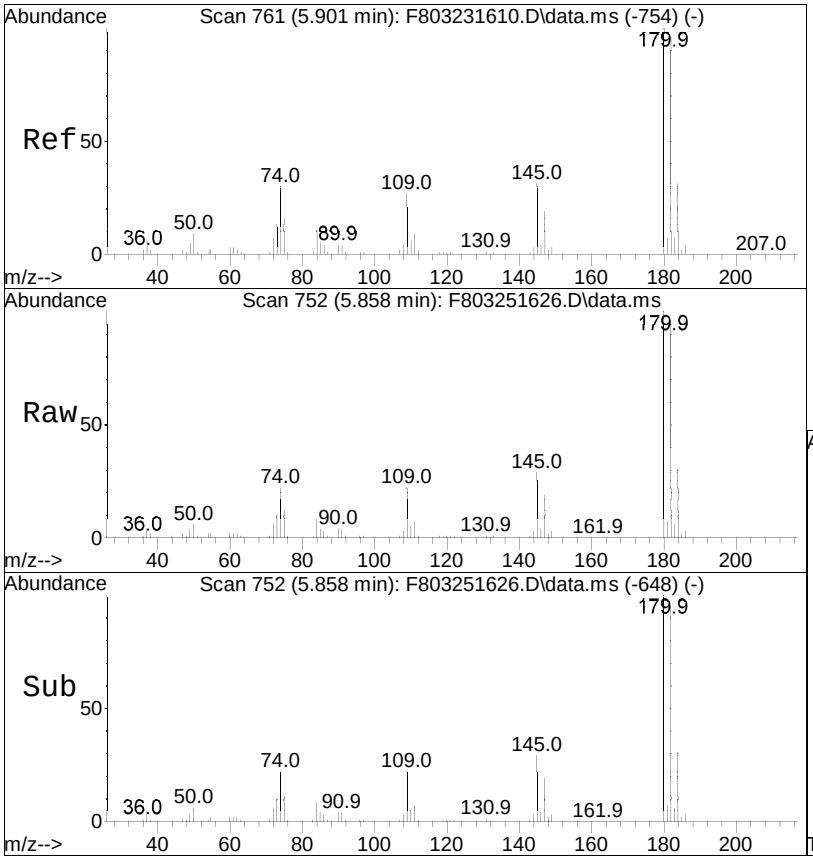


#29
2,4-Dichlorophenol
Concen: 9.51 ug/mL
RT: 5.771 min Scan# 734
Delta R.T. 0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:162 Resp: 808242

Ion	Ratio	Lower	Upper
162	100		
164	63.4	50.8	76.2
98	33.2	26.3	39.5

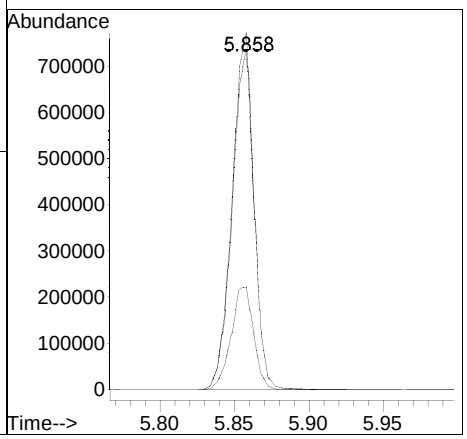


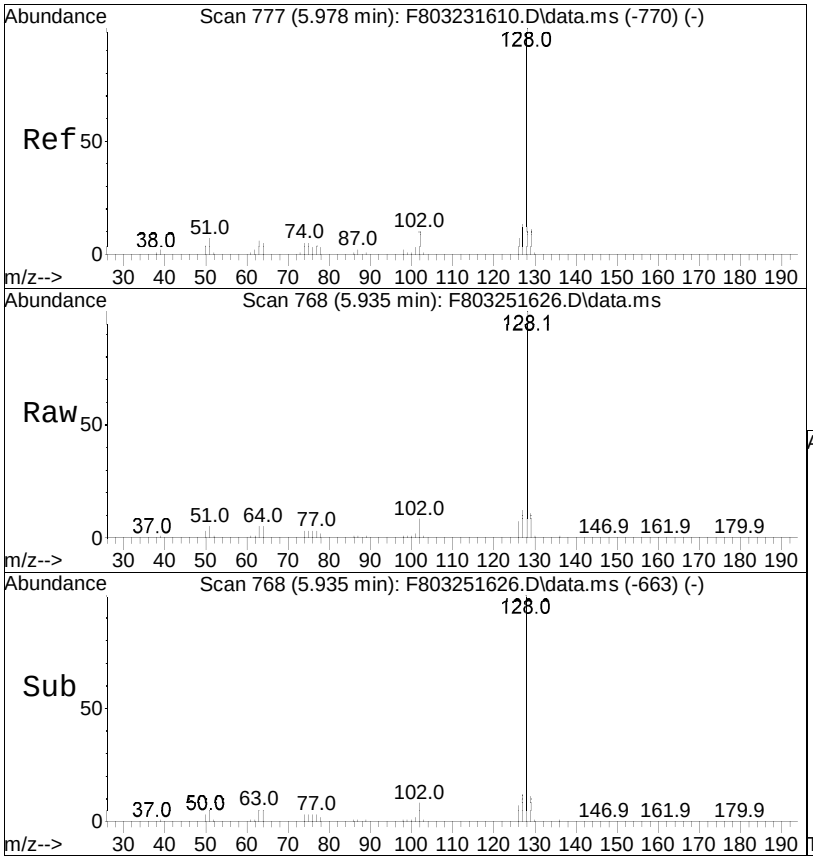


#30
1,2,4-Trichlorobenzene
Concen: 8.64 ug/mL
RT: 5.858 min Scan# 752
Delta R.T. -0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:180 Resp: 785138

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.2	114.4
145	30.0	23.6	35.4

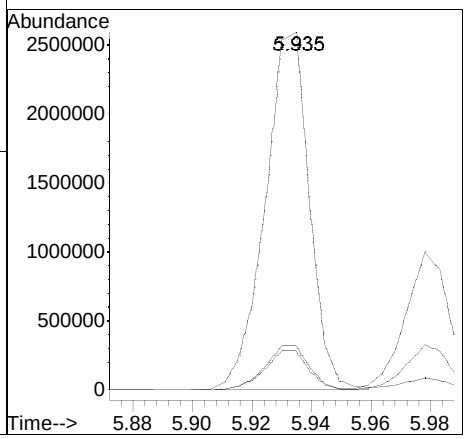


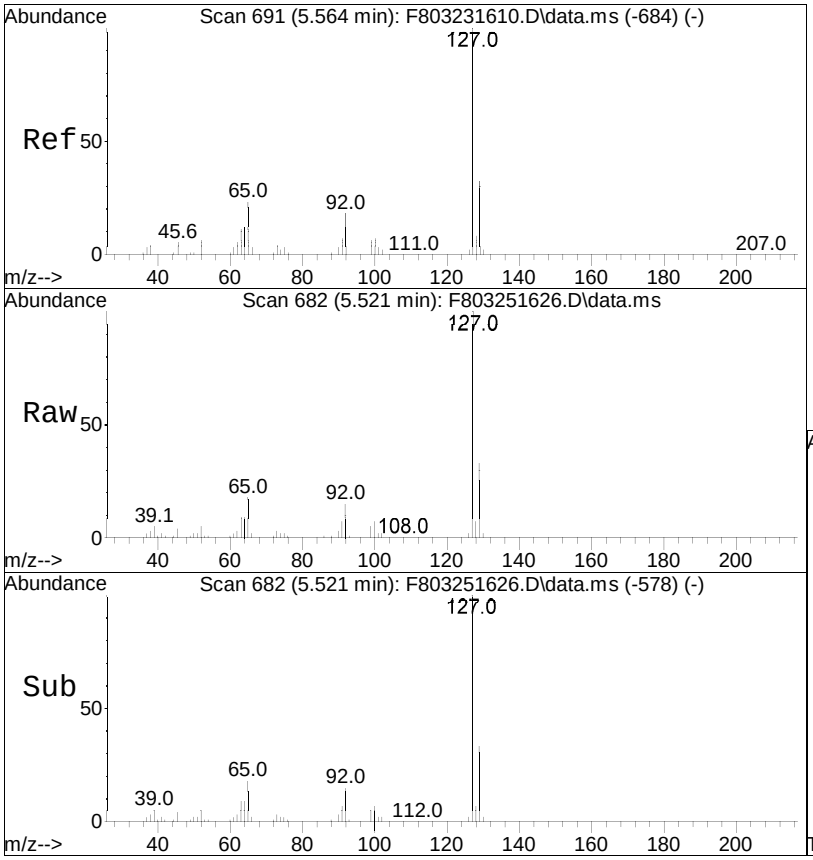


#31
Naphthalene
Concen: 8.90 ug/mL
RT: 5.935 min Scan# 768
Delta R.T. 0.005 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:128 Resp: 2653480

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	12.5	10.0	15.0

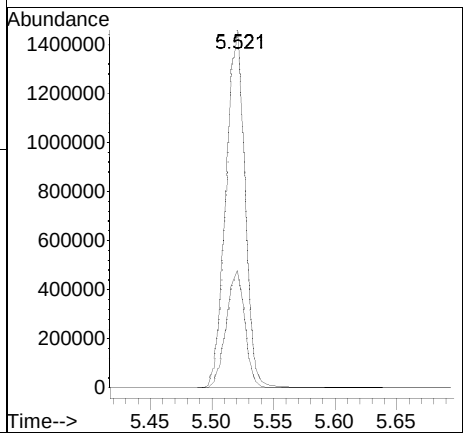


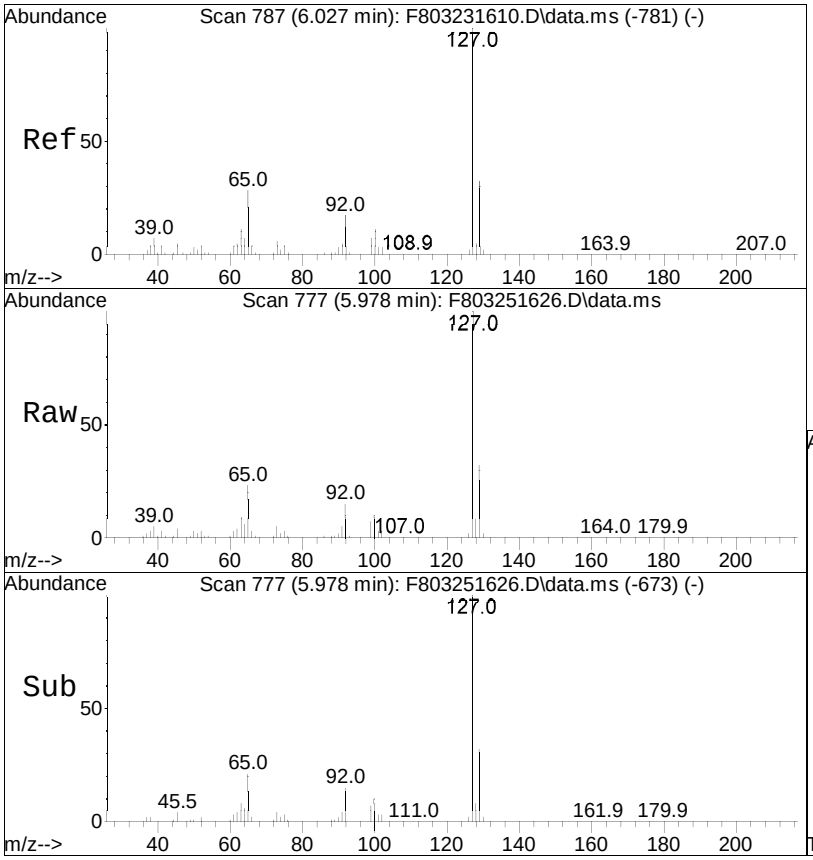


#32
2-Chloroaniline
Concen: 9.99 ug/ml
RT: 5.521 min Scan# 682
Delta R.T. -0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:127 Resp: 1561839

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.2	39.4

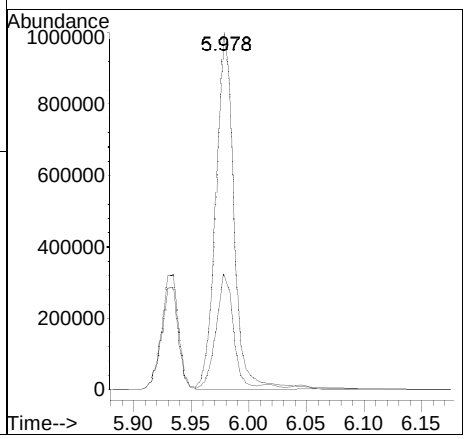


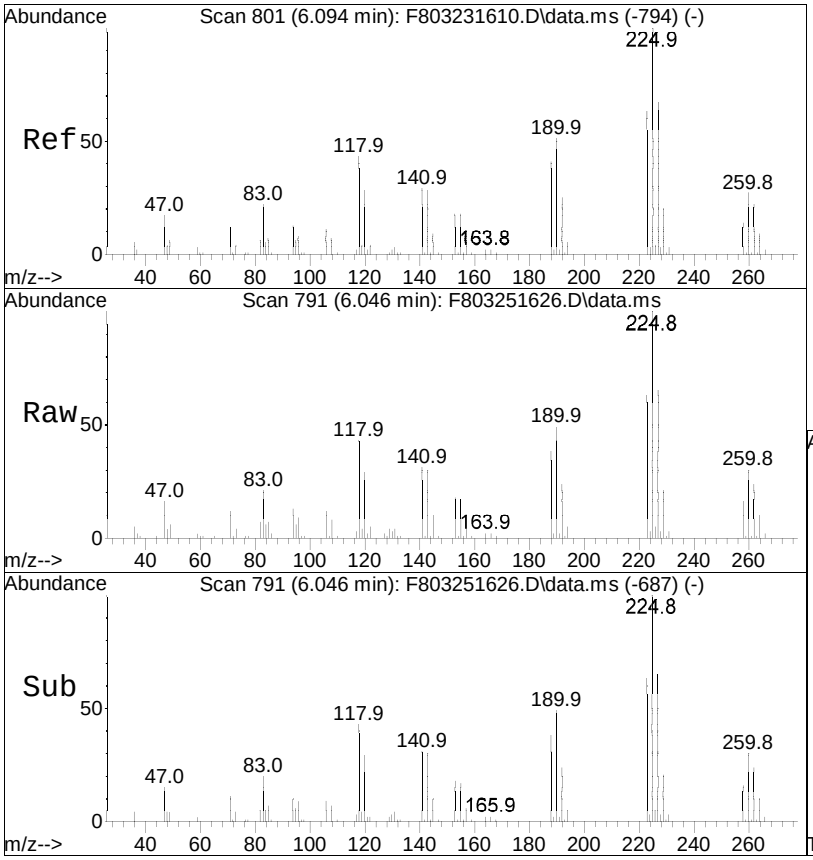


#33
4-Chloroaniline
Concen: 8.46 ug/mL
RT: 5.978 min Scan# 777
Delta R.T. 0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:127 Resp: 1086096

Ion	Ratio	Lower	Upper
127	100		
129	31.4	25.8	38.6

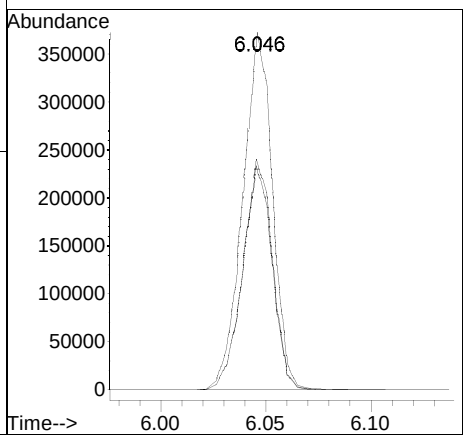


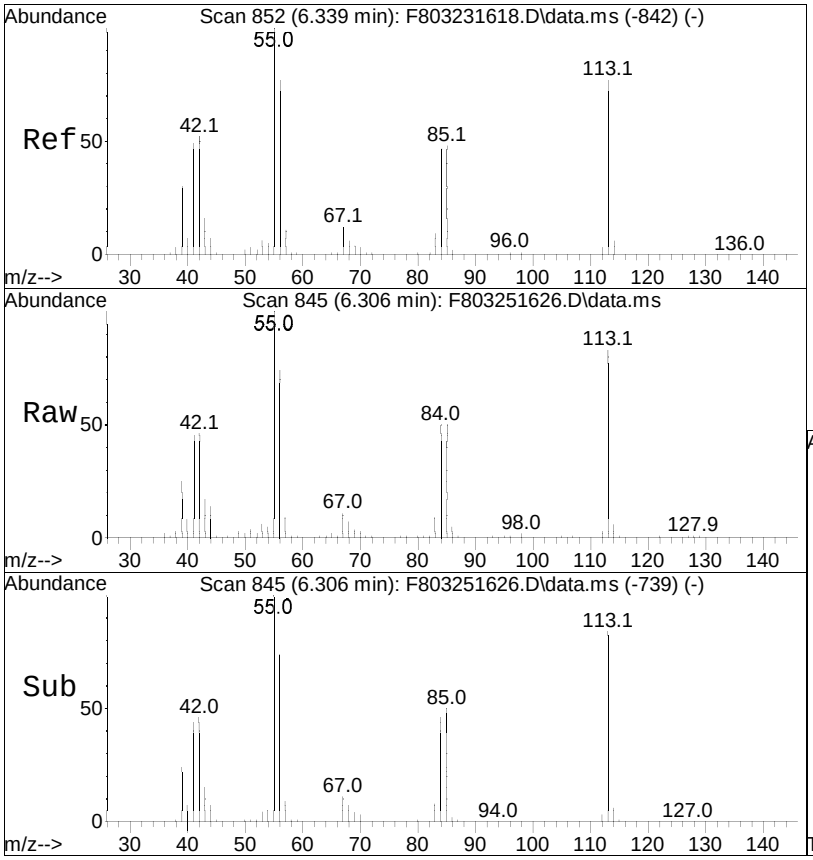


#34
Hexachlorobutadiene
Concen: 8.30 ug/mL
RT: 6.046 min Scan# 791
Delta R.T. -0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:225 Resp: 365833

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.8	76.2
227	64.5	51.1	76.7

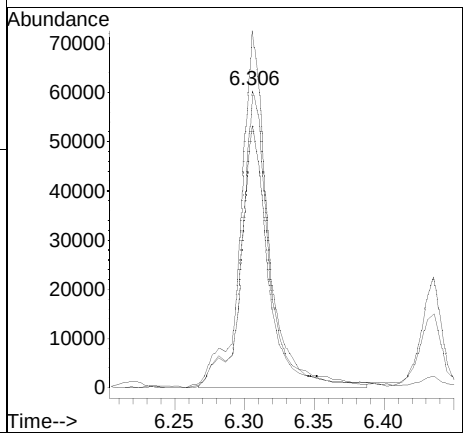


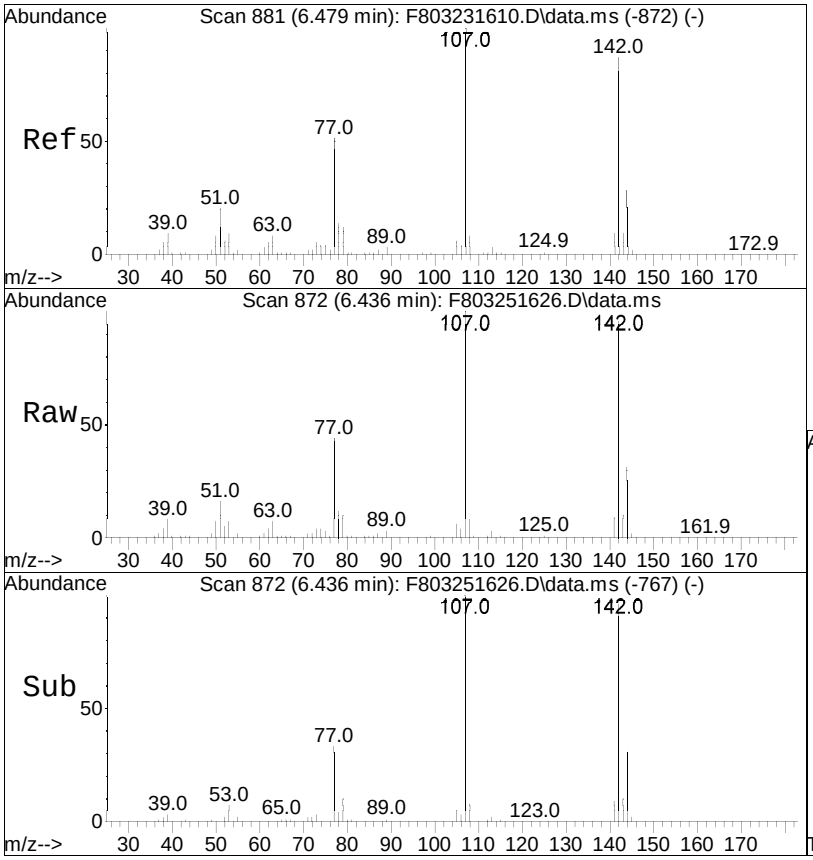


#35
Caprolactam
Concen: 2.74 ug/ml M4
RT: 6.306 min Scan# 845
Delta R.T. 0.010 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:113 Resp: 82508

Ion	Ratio	Lower	Upper
113	100		
55	102.5	92.7	139.1
56	79.6	66.8	100.2

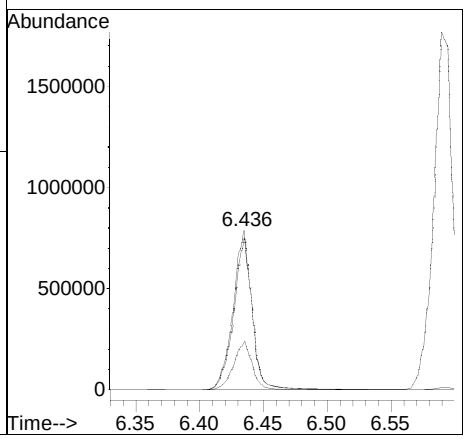


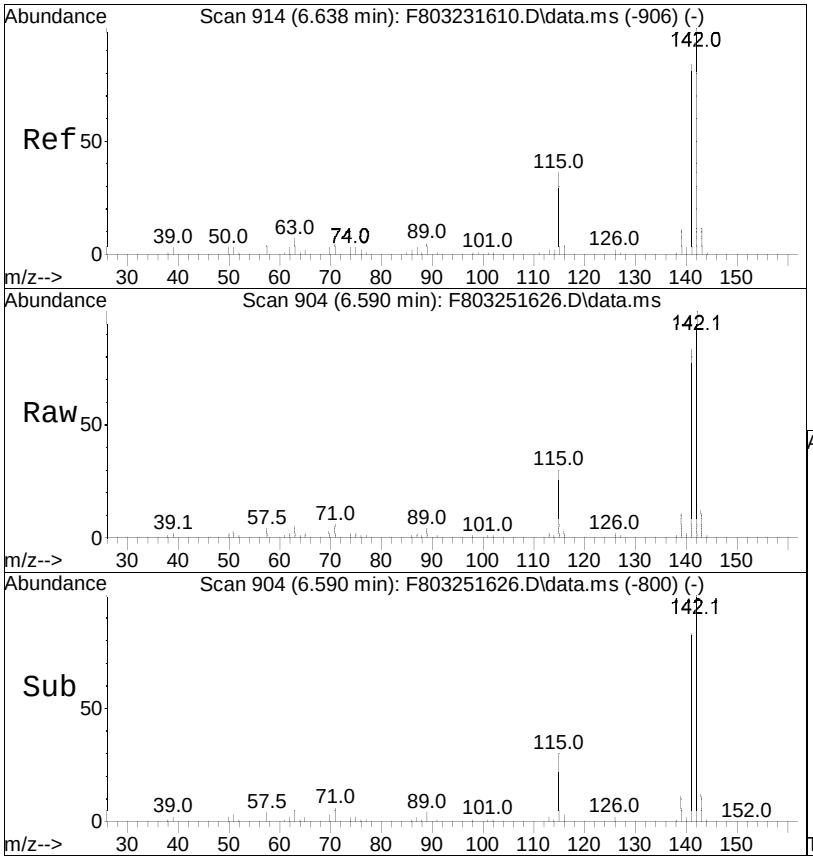


#36
4-Chloro-3-methylphenol
Concen: 9.85 ug/mL
RT: 6.436 min Scan# 872
Delta R.T. 0.005 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:107 Resp: 810839

Ion	Ratio	Lower	Upper
107	100		
144	30.3	24.3	36.5
142	93.4	74.4	111.6

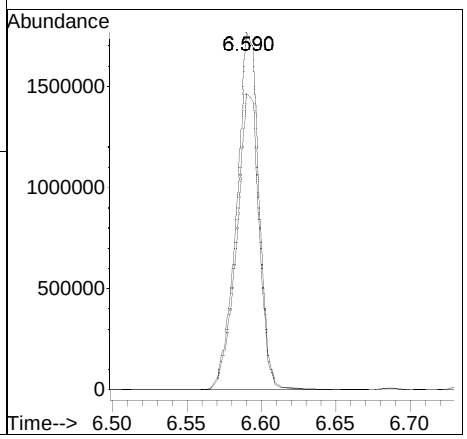


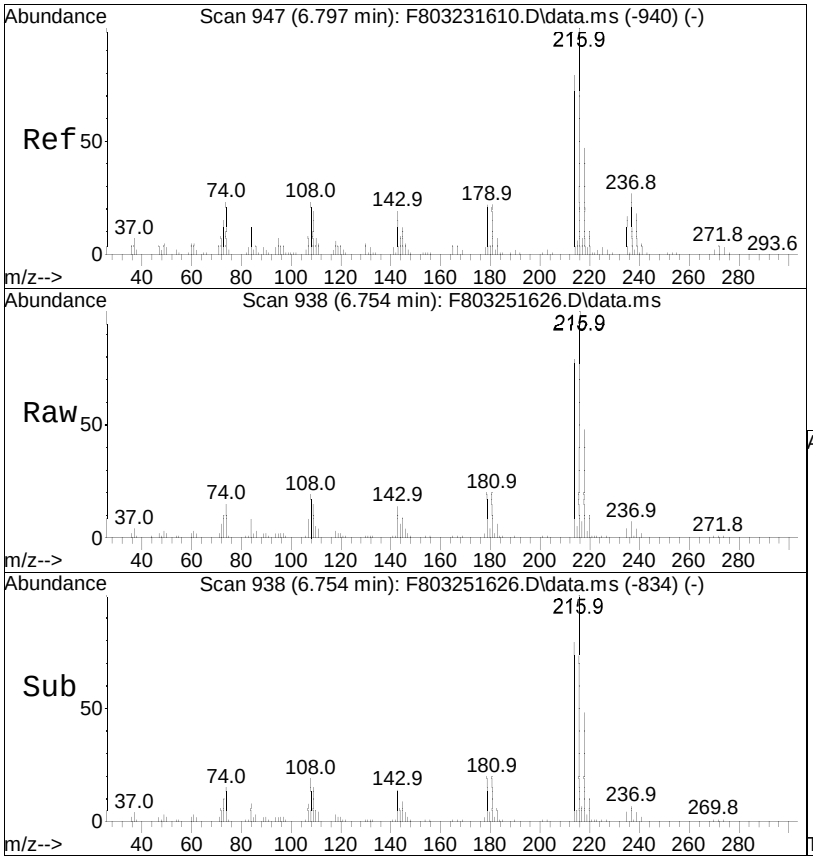


#37
2-Methylnaphthalene
Concen: 9.37 ug/mL
RT: 6.590 min Scan# 904
Delta R.T. -0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:142 Resp: 1825333

Ion	Ratio	Lower	Upper
142	100		
141	83.5	66.6	100.0

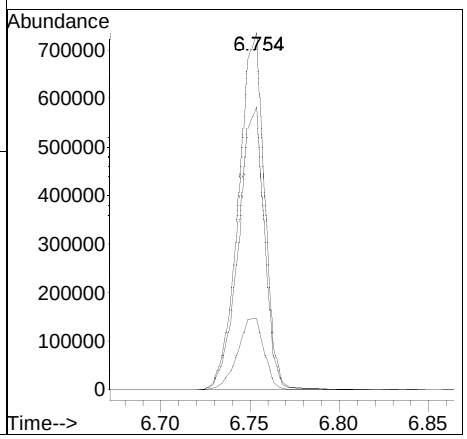


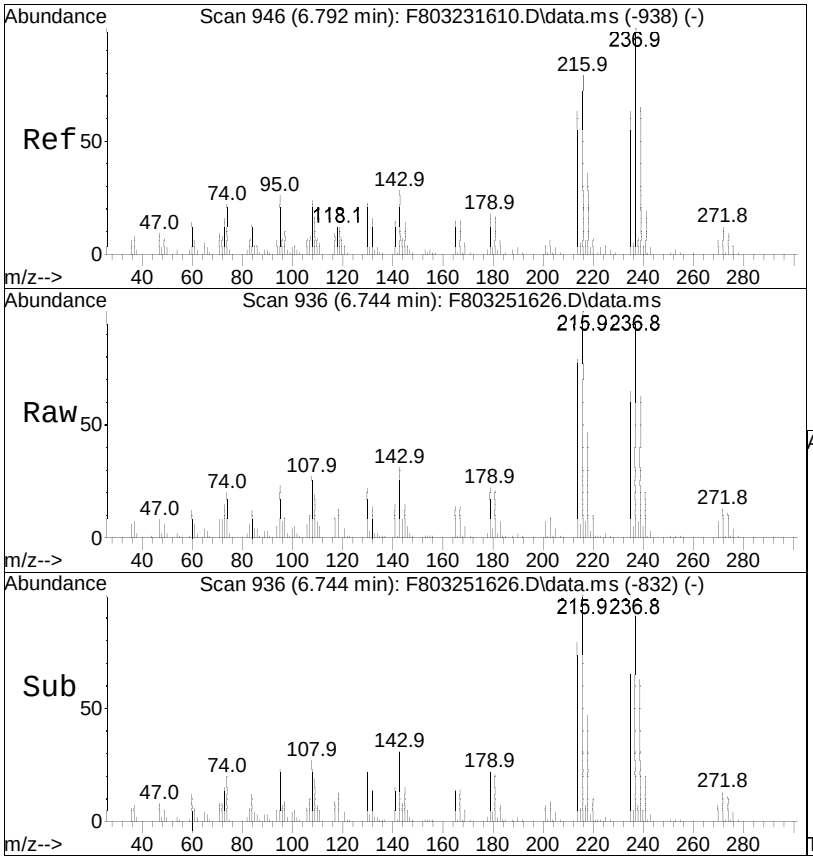


#39
1,2,4,5-Tetrachlorobenzene
Concen: 10.00 ug/mL
RT: 6.754 min Scan# 938
Delta R.T. -0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:216 Resp: 745450

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.0	94.6
179	20.5	16.2	24.4

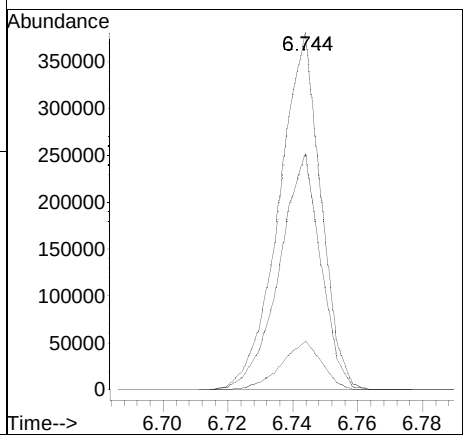


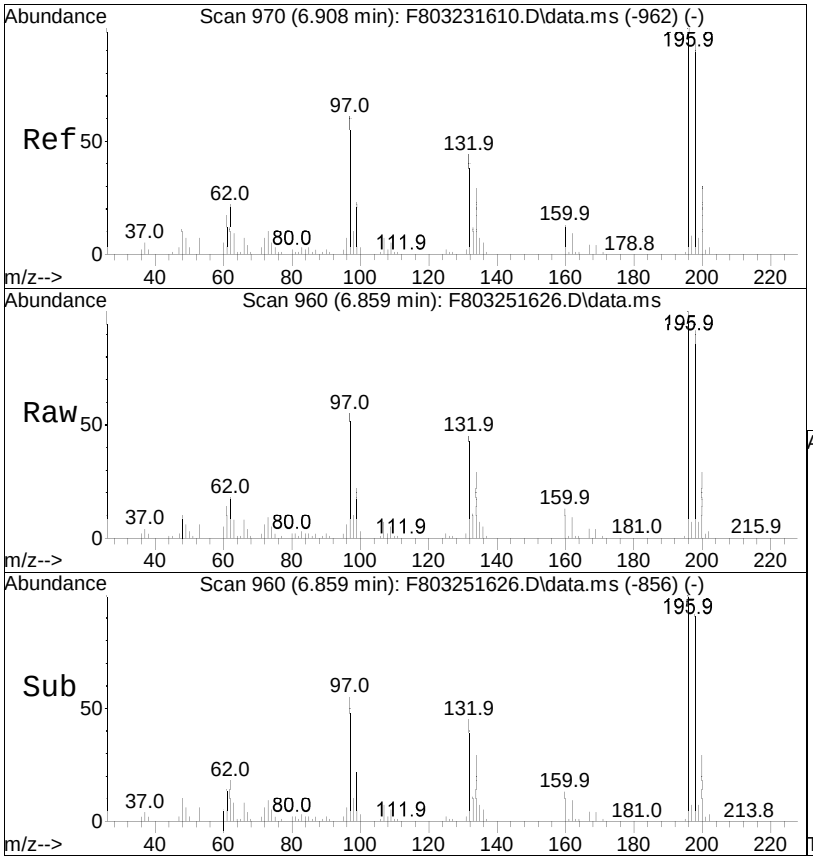


#40
Hexachlorocyclopentadiene
Concen: 8.48 ug/mL
RT: 6.744 min Scan# 936
Delta R.T. -0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:237 Resp: 340570

Ion	Ratio	Lower	Upper
237	100		
235	65.8	53.3	79.9
272	13.4	10.9	16.3

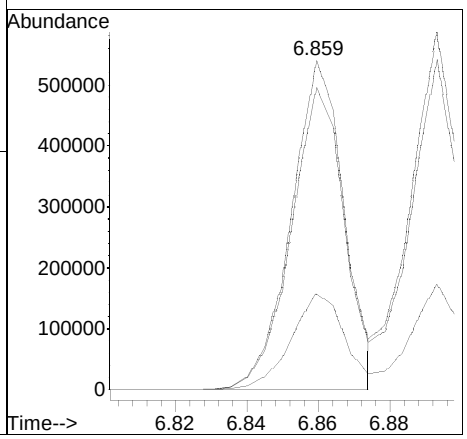


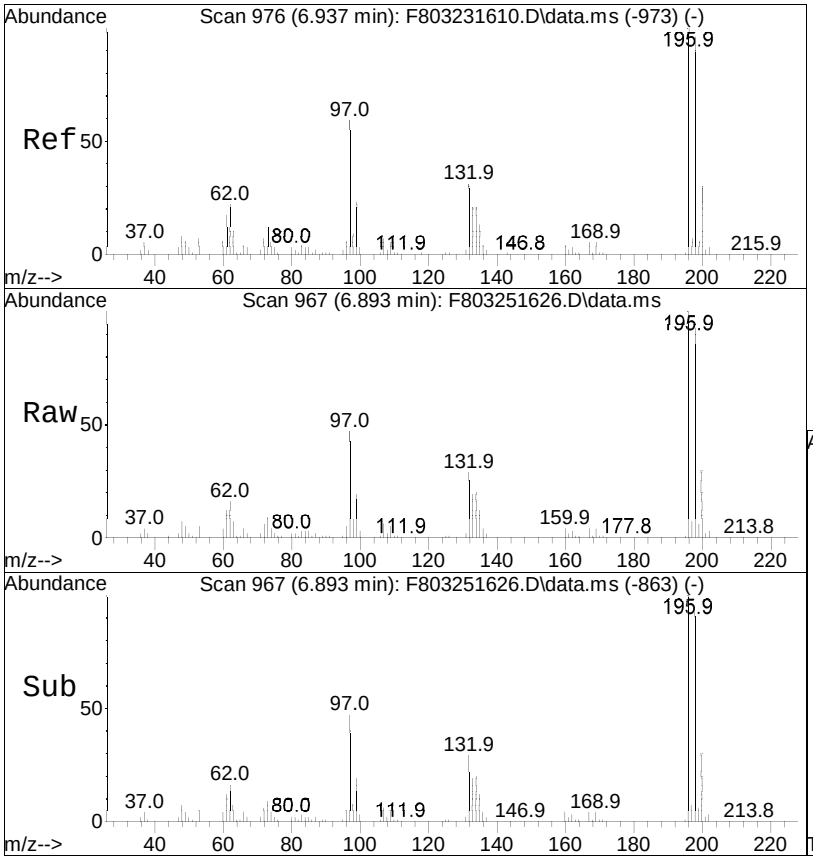


#41
2,4,6-Trichlorophenol
Concen: 9.73 ug/mL
RT: 6.859 min Scan# 960
Delta R.T. -0.001 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:196 Resp: 555402

Ion	Ratio	Lower	Upper
196	100		
198	92.7	73.6	110.4
200	29.7	23.5	35.3

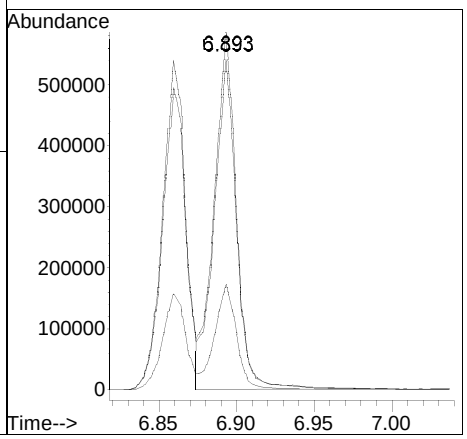


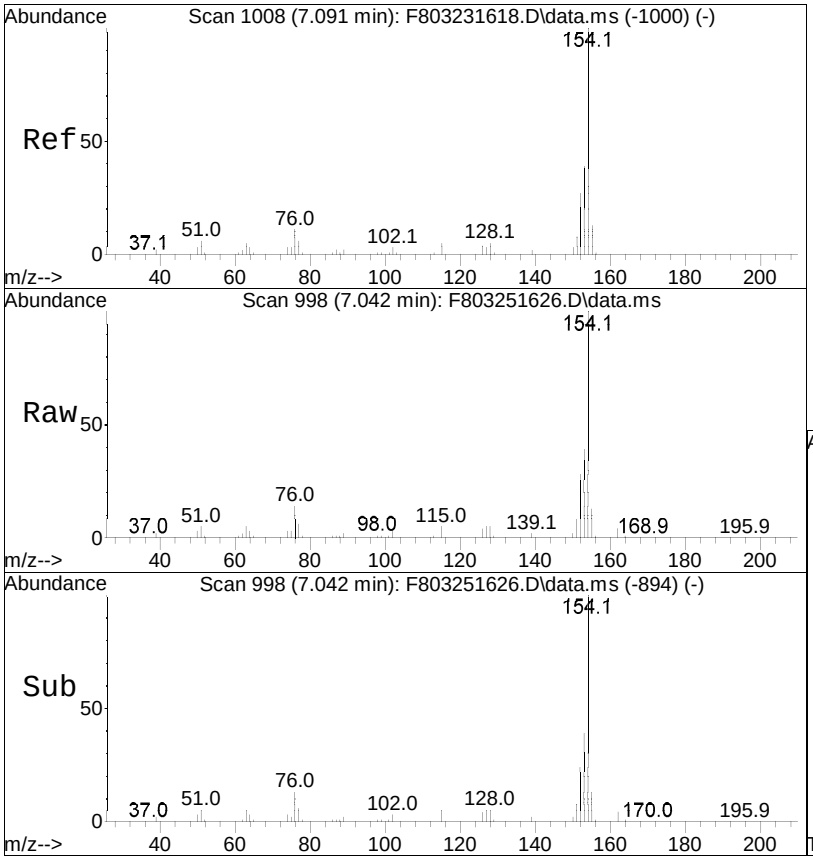


#42
2,4,5-Trichlorophenol
Concen: 10.21 ug/mL
RT: 6.893 min Scan# 967
Delta R.T. 0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:196 Resp: 577507

Ion	Ratio	Lower	Upper
196	100		
198	92.4	73.2	109.8
200	29.3	23.9	35.9

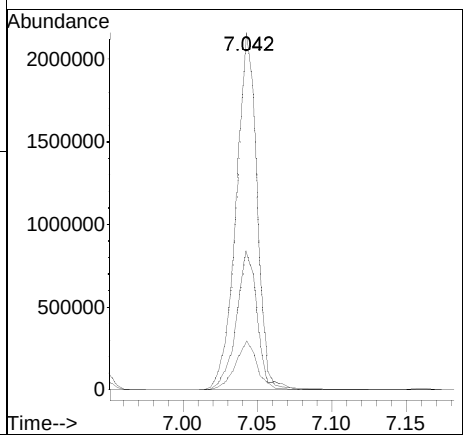


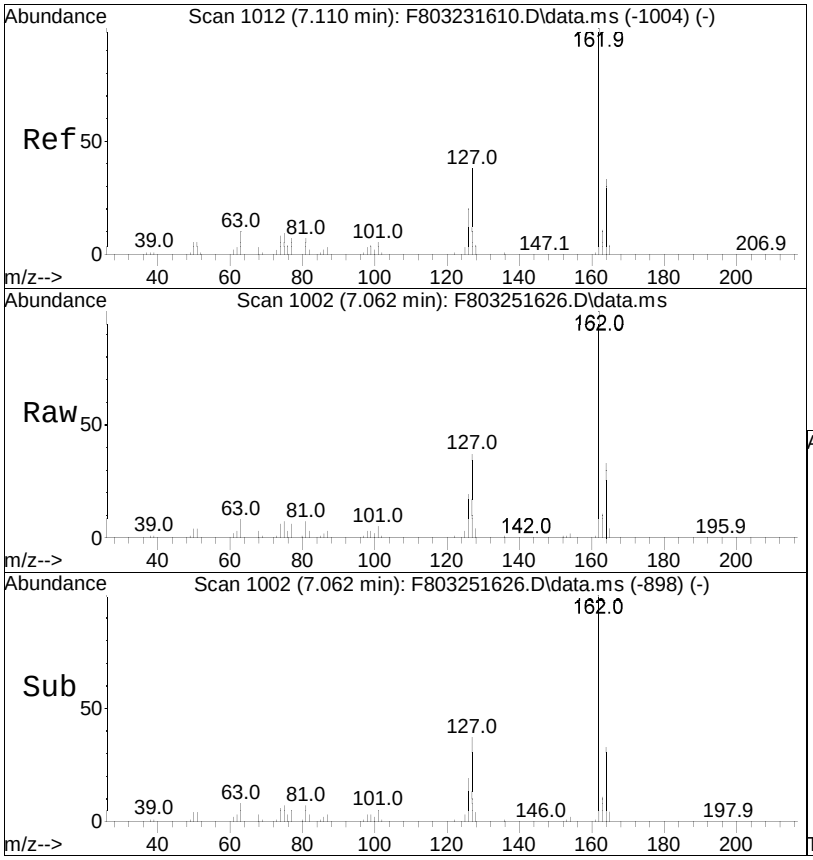


#44
Biphenyl
Concen: 9.27 ug/ml
RT: 7.042 min Scan# 998
Delta R.T. -0.001 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:154 Resp: 2098966

Ion	Ratio	Lower	Upper
154	100		
153	38.6	31.6	47.4
76	14.1	11.1	16.7

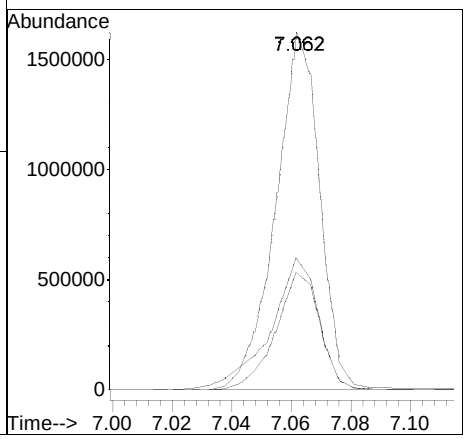


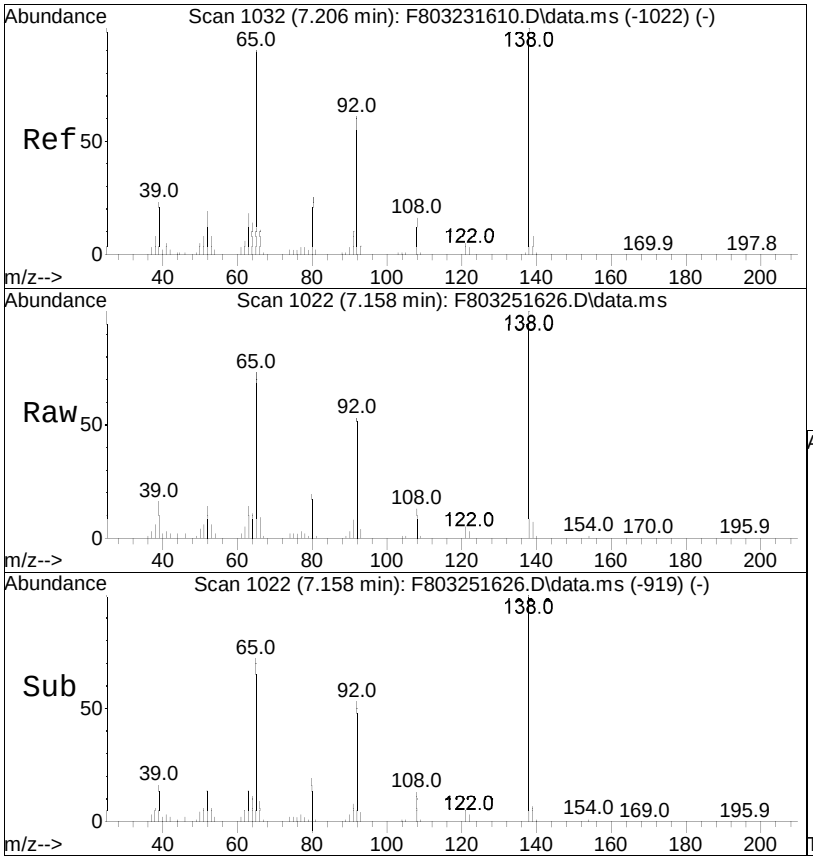


#45
2-Chloronaphthalene
Concen: 9.14 ug/mL
RT: 7.062 min Scan# 1002
Delta R.T. -0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:162 Resp: 1649247

Ion	Ratio	Lower	Upper
162	100		
164	33.1	26.4	39.6
127	41.0	30.2	45.2

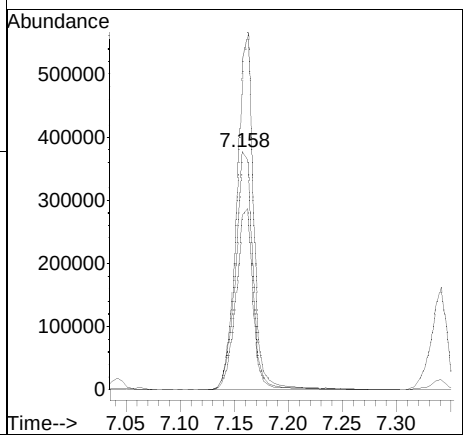


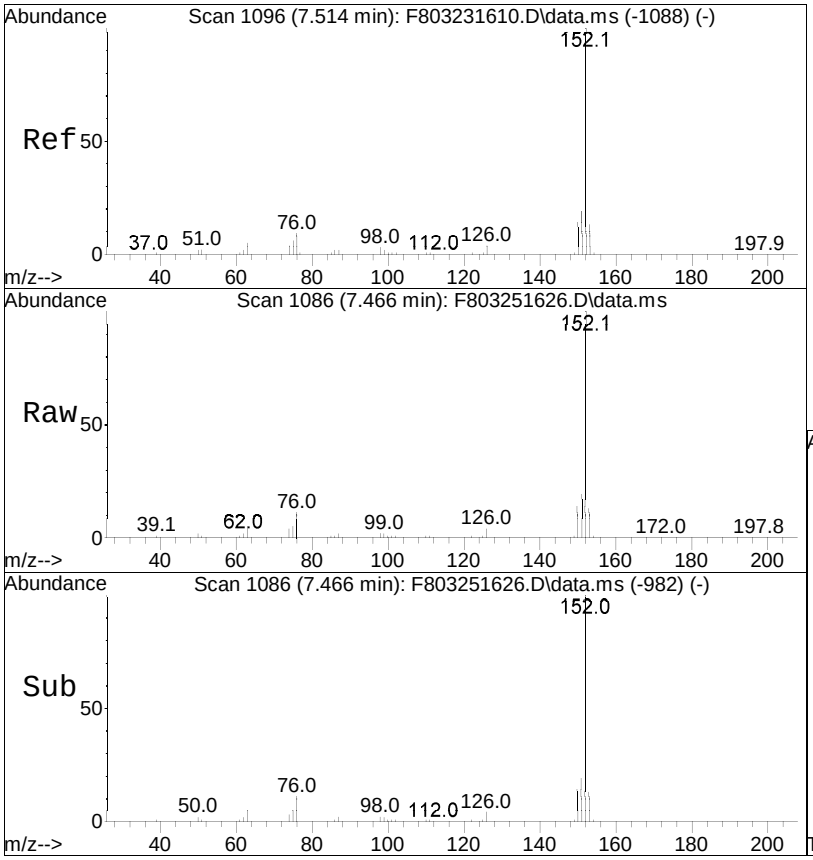


#46
2-Nitroaniline
Concen: 11.29 ug/mL
RT: 7.158 min Scan# 1022
Delta R.T. -0.005 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion: 65 Resp: 423641

Ion	Ratio	Lower	Upper
65	100		
92	74.9	61.0	91.4
138	142.4	122.0	183.0

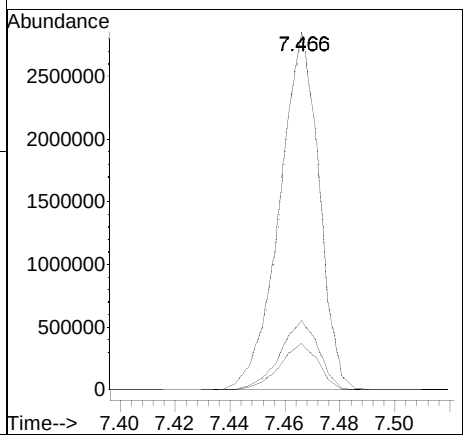


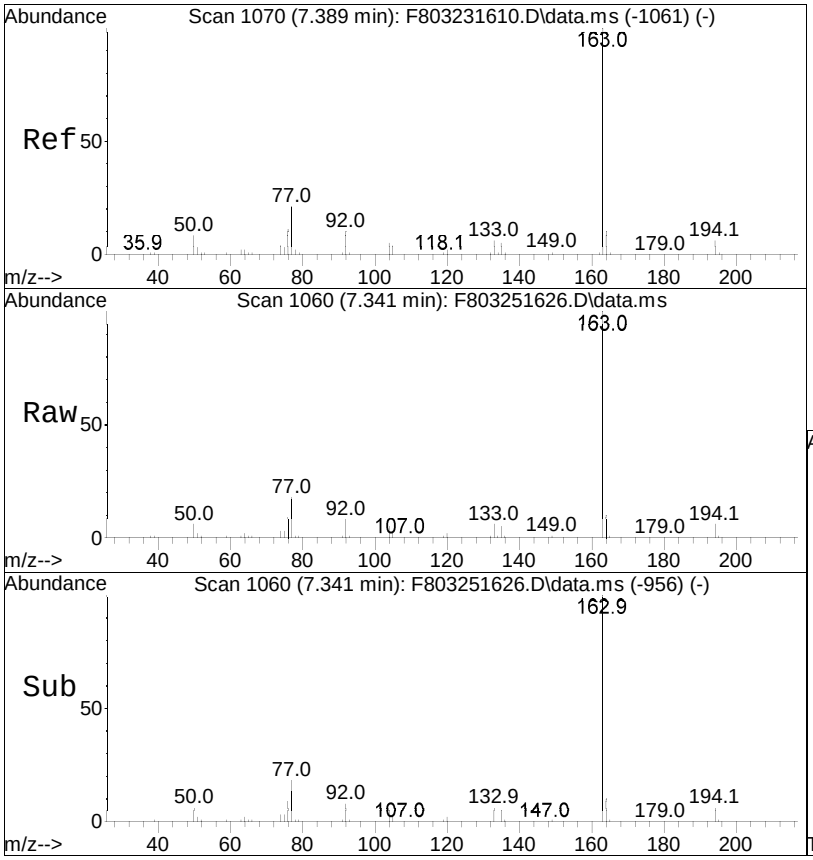


#47
Acenaphthylene
Concen: 9.49 ug/mL
RT: 7.466 min Scan# 1086
Delta R.T. 0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:152 Resp: 2825864

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.8	23.8
153	12.9	10.6	16.0

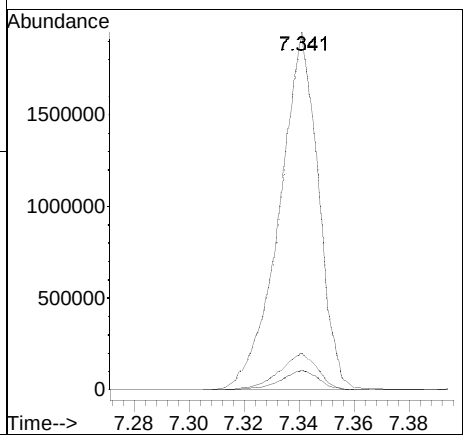


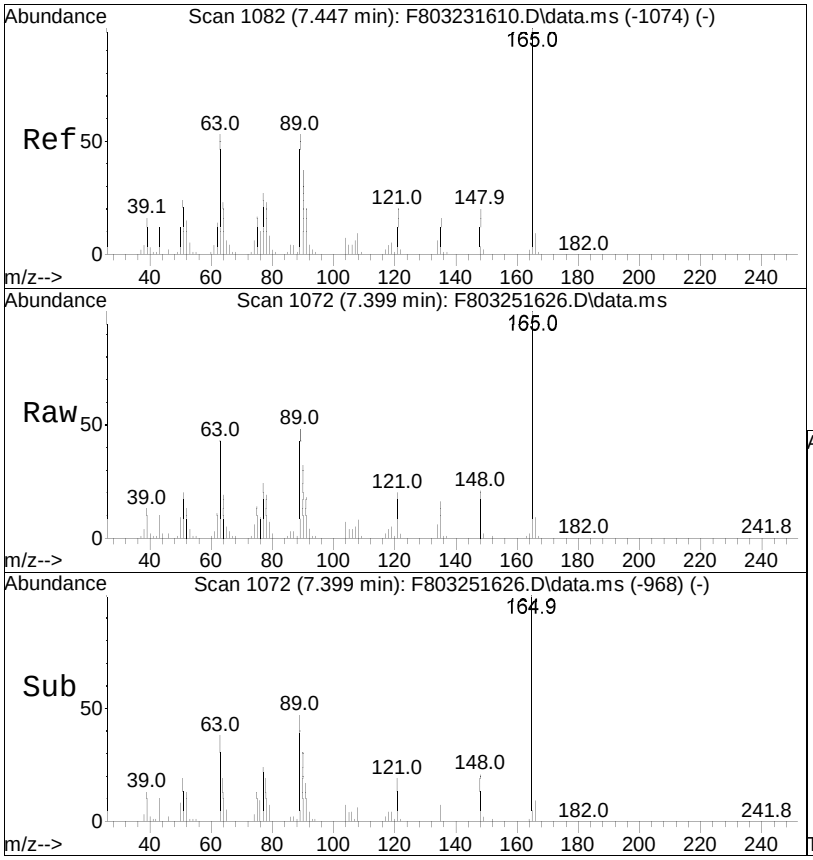


#48
Dimethylphthalate
Concen: 9.87 ug/mL
RT: 7.341 min Scan# 1060
Delta R.T. 0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:163 Resp: 1909747

Ion	Ratio	Lower	Upper
163	100		
194	5.5	4.4	6.6
164	10.2	8.3	12.5

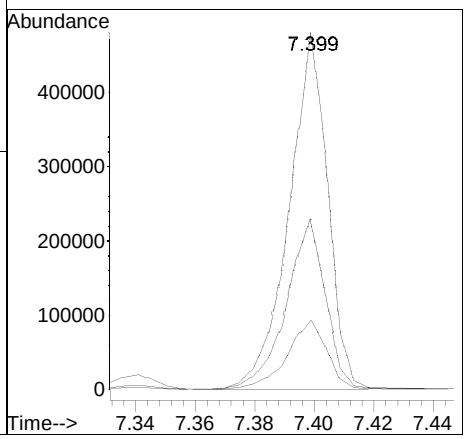


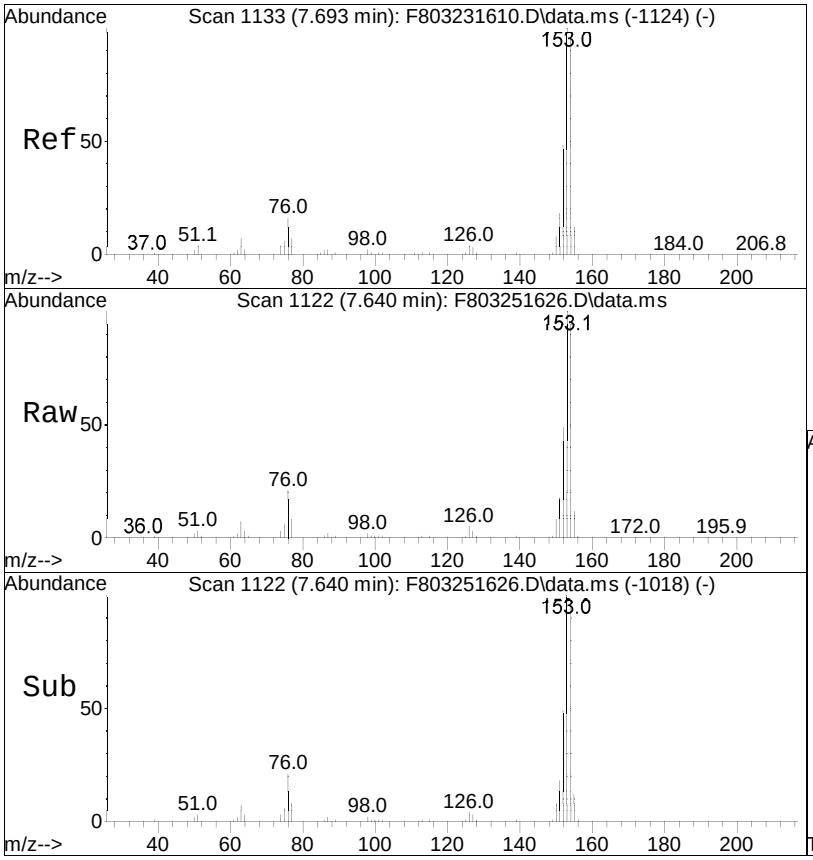


#49
2,6-Dinitrotoluene
Concen: 10.11 ug/mL
RT: 7.399 min Scan# 1072
Delta R.T. -0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:165 Resp: 430881

Ion	Ratio	Lower	Upper
165	100		
89	48.7	40.5	60.7
121	20.2	16.6	25.0

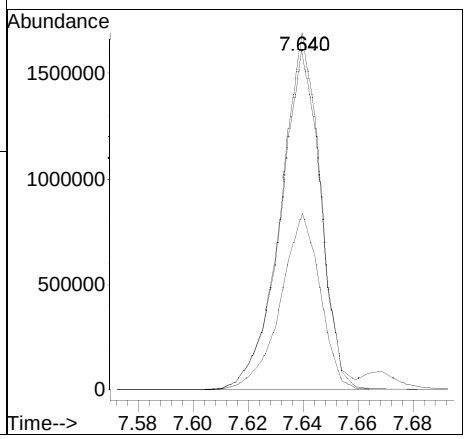


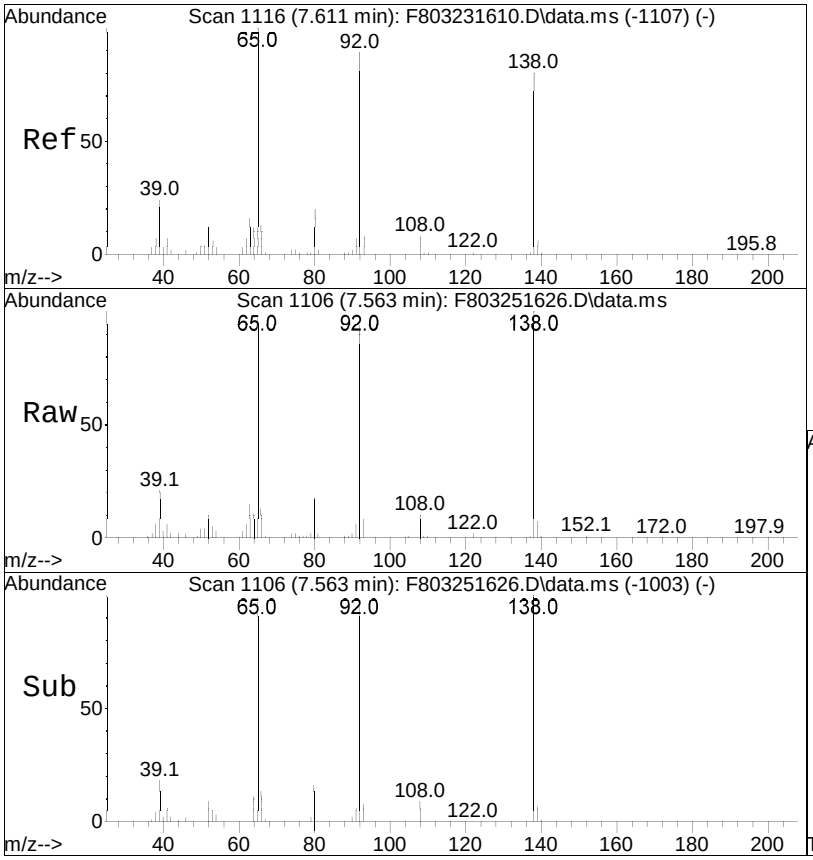


#50
Acenaphthene
Concen: 9.54 ug/mL
RT: 7.640 min Scan# 1122
Delta R.T. -0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:153 Resp: 1696353

Ion	Ratio	Lower	Upper
153	100		
154	96.8	75.4	113.0
152	49.1	39.3	58.9

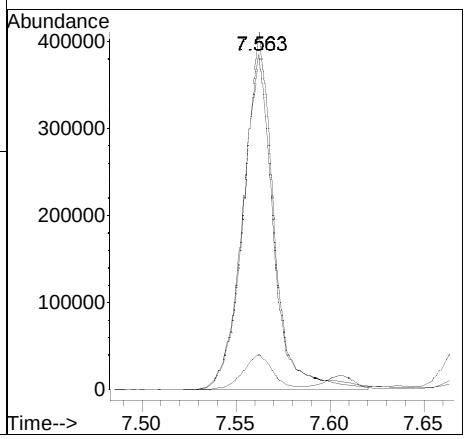


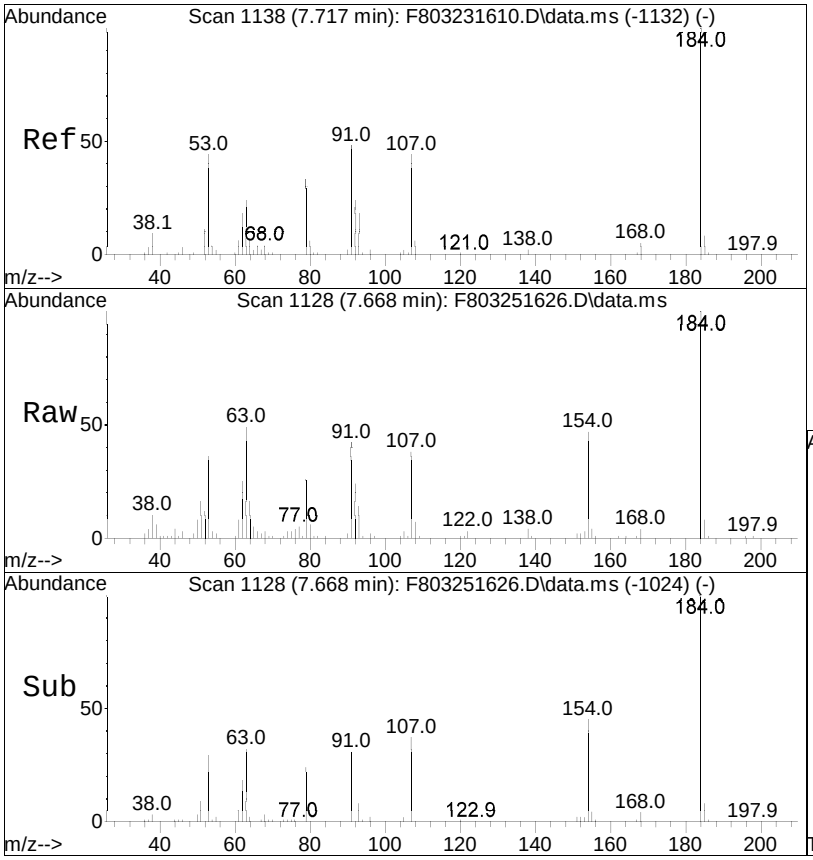


#51
3-Nitroaniline
Concen: 9.17 ug/mL
RT: 7.563 min Scan# 1106
Delta R.T. -0.005 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:138 Resp: 449006

Ion	Ratio	Lower	Upper
138	100		
108	10.3	8.9	13.3
92	97.9	72.2	108.4

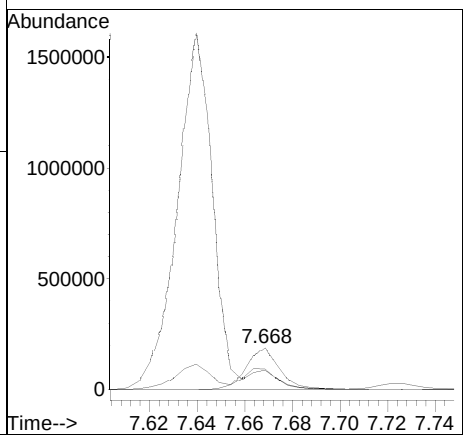


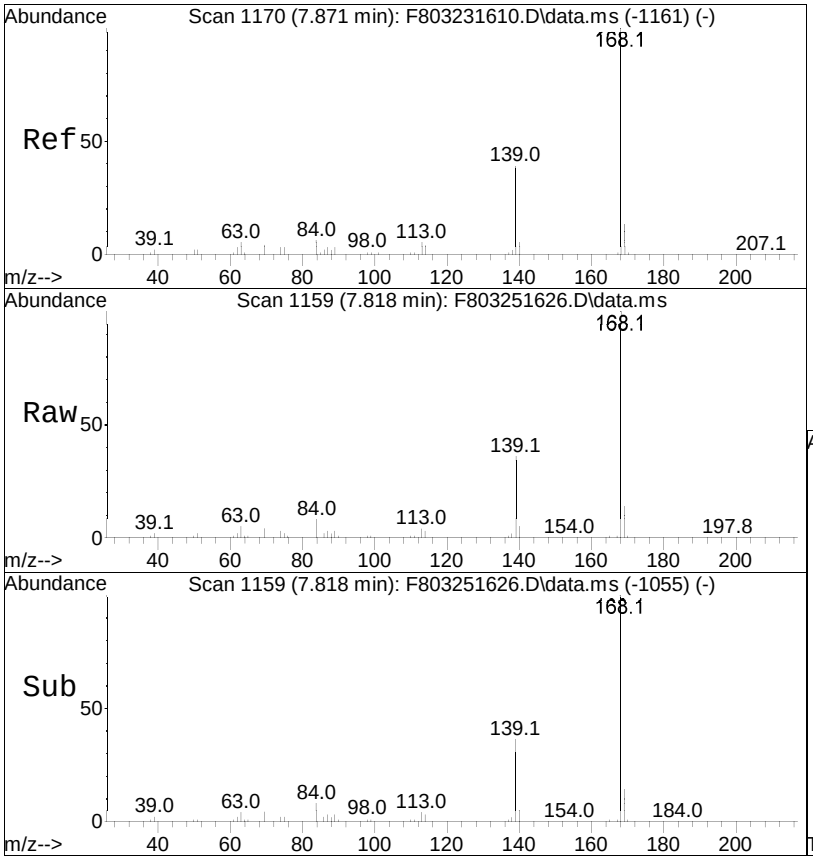


#52
2,4-Dinitrophenol
Concen: 9.67 ug/mL
RT: 7.668 min Scan# 1128
Delta R.T. -0.001 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:184 Resp: 191413

Ion	Ratio	Lower	Upper
184	100		
63	49.2	43.8	65.6
154	41.9	37.1	55.7

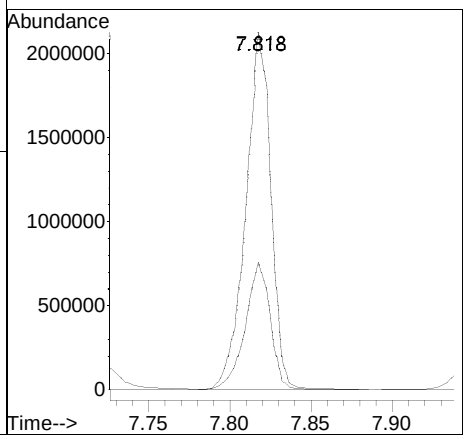


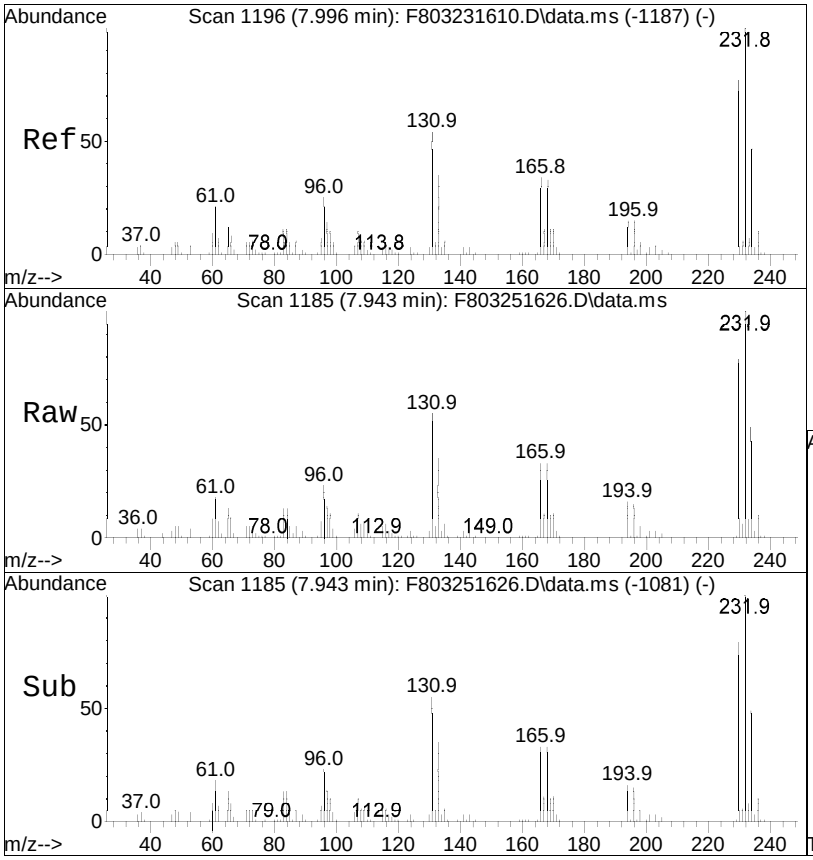


#53
Dibenzofuran
Concen: 9.83 ug/mL
RT: 7.818 min Scan# 1159
Delta R.T. -0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:168 Resp: 2260822

Ion	Ratio	Lower	Upper
168	100		
139	35.6	28.8	43.2

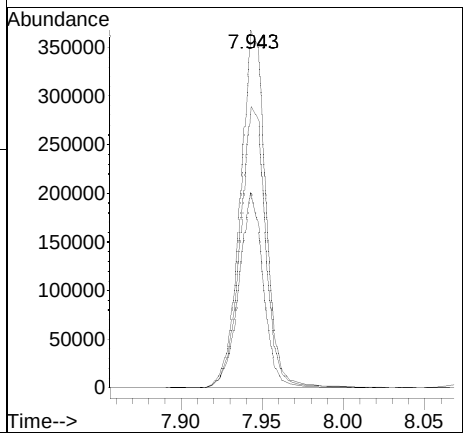


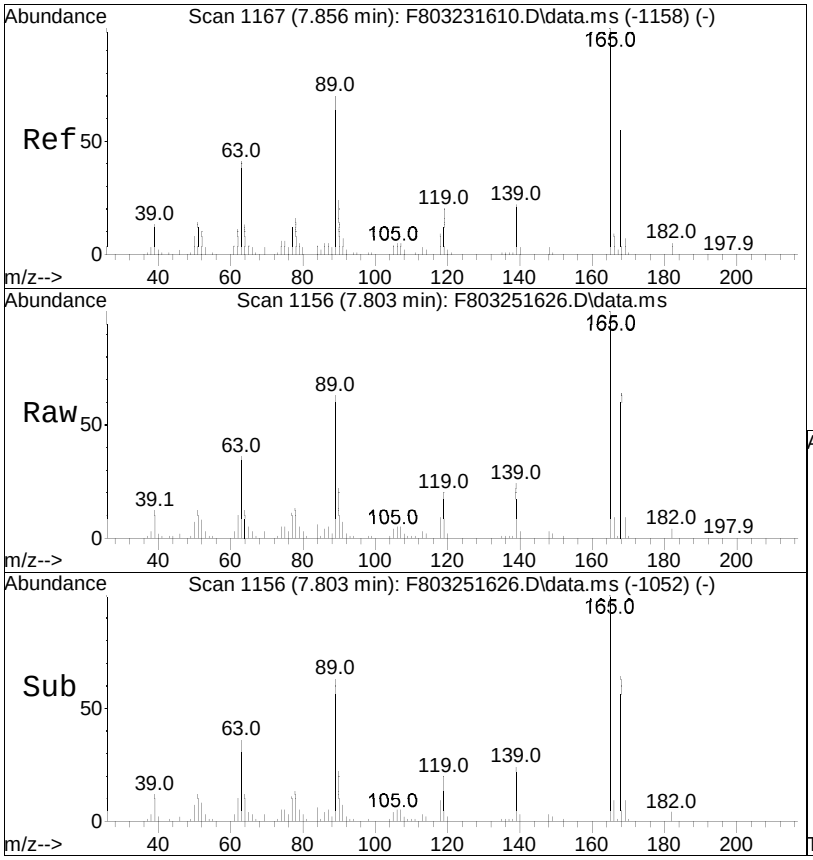


#54
2,3,4,6-Tetrachlorophenol
Concen: 11.39 ug/mL
RT: 7.943 min Scan# 1185
Delta R.T. -0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:232 Resp: 401621

Ion	Ratio	Lower	Upper
232	100		
131	53.4	43.1	64.7
230	78.5	63.0	94.6

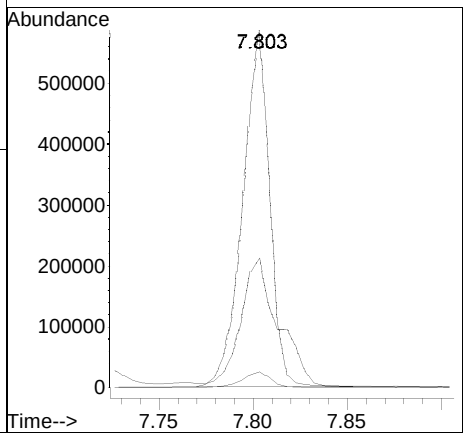


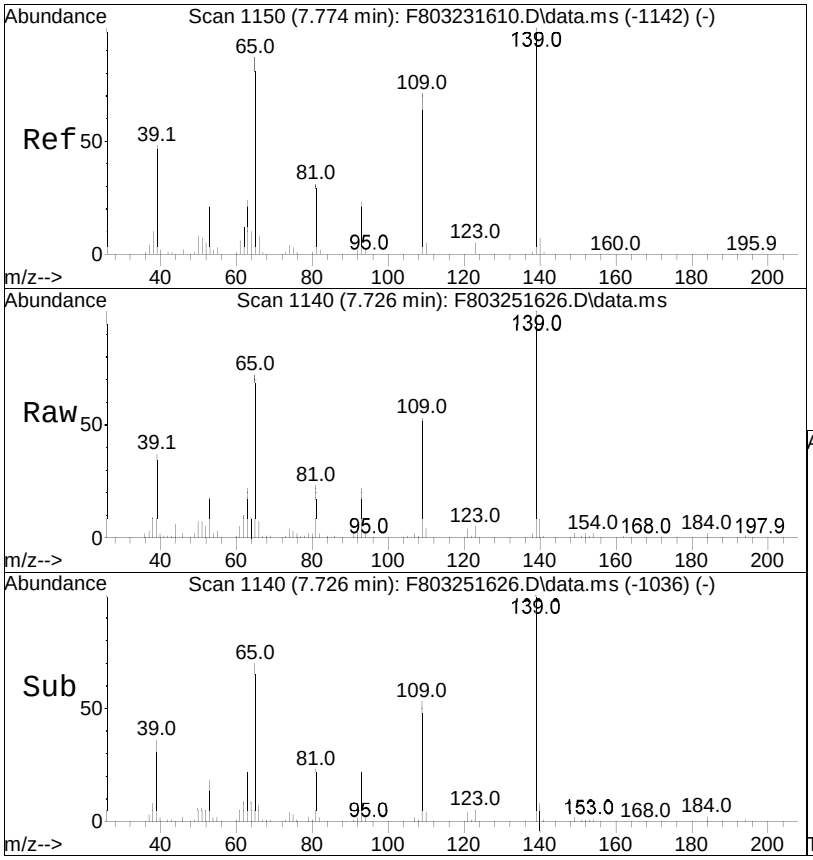


#55
2,4-Dinitrotoluene
Concen: 10.05 ug/mL
RT: 7.803 min Scan# 1156
Delta R.T. 0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:165 Resp: 576771

Ion	Ratio	Lower	Upper
165	100		
63	50.9	30.9	46.3#
182	4.5	3.5	5.3

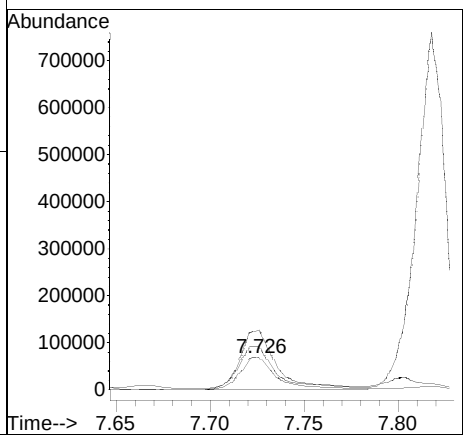


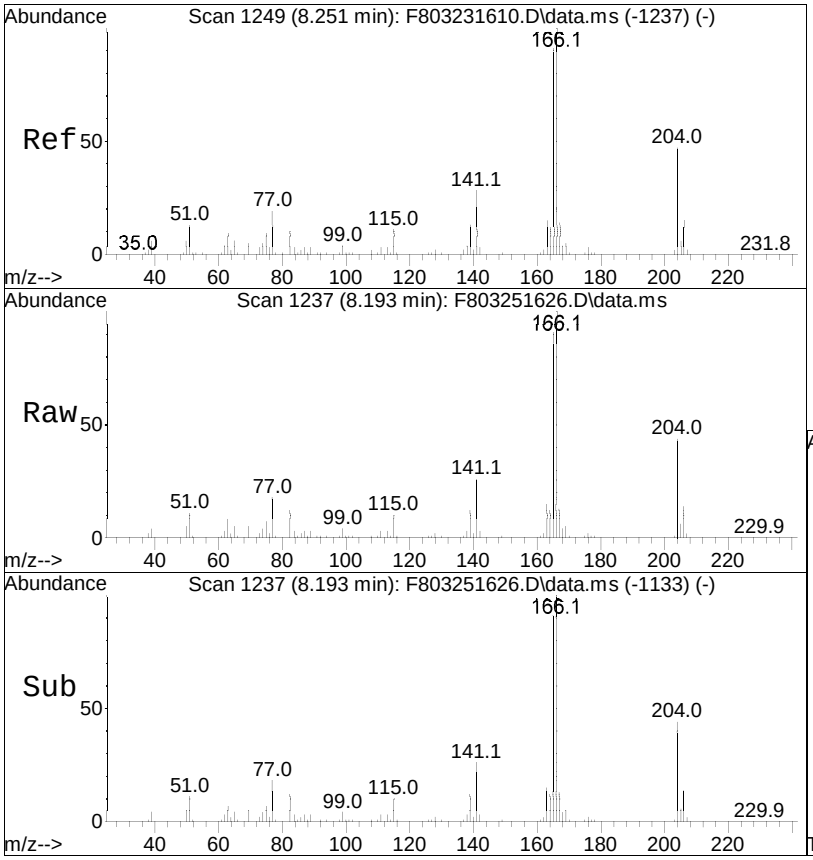


#56
4-Nitrophenol
Concen: 4.56 ug/mL
RT: 7.726 min Scan# 1140
Delta R.T. 0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:109 Resp: 95042

Ion	Ratio	Lower	Upper
109	100		
139	182.6	149.7	224.5
65	138.8	107.3	160.9

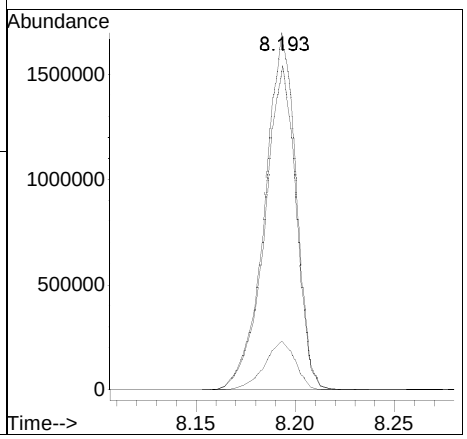


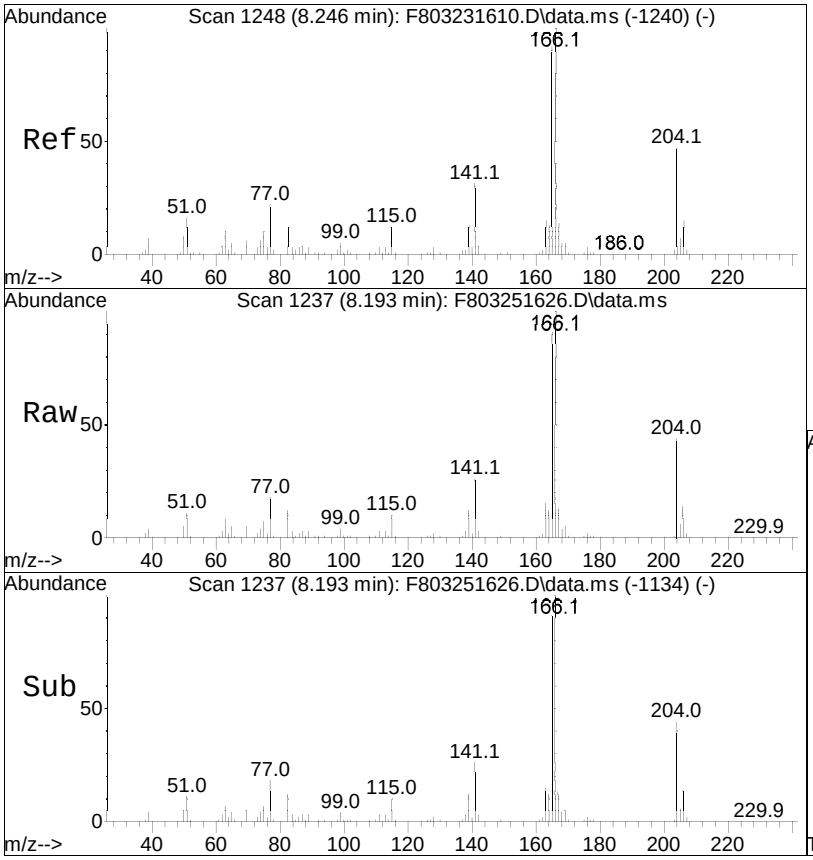


#57
Fluorene
Concen: 9.96 ug/mL
RT: 8.193 min Scan# 1237
Delta R.T. 0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:166 Resp: 1880727

Ion	Ratio	Lower	Upper
166	100		
165	90.6	72.9	109.3
167	13.5	10.9	16.3

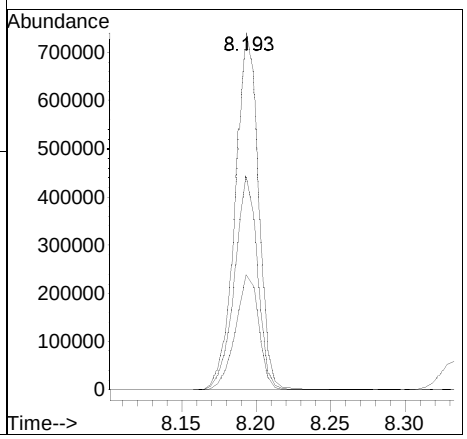


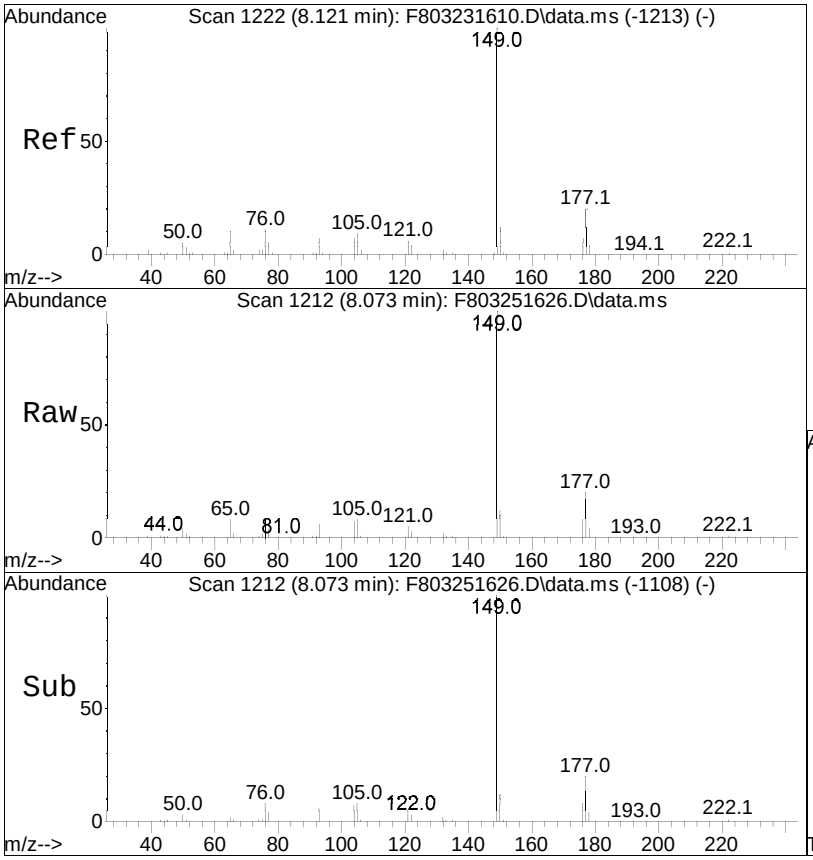


#58
4-Chlorophenyl-phenylether
Concen: 10.01 ug/mL
RT: 8.193 min Scan# 1237
Delta R.T. -0.005 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:204 Resp: 815377

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.9	38.9
141	59.3	46.2	69.4

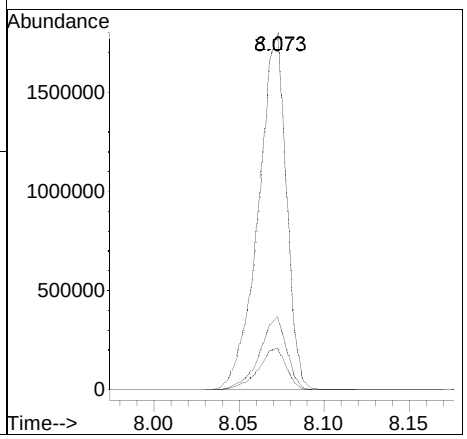


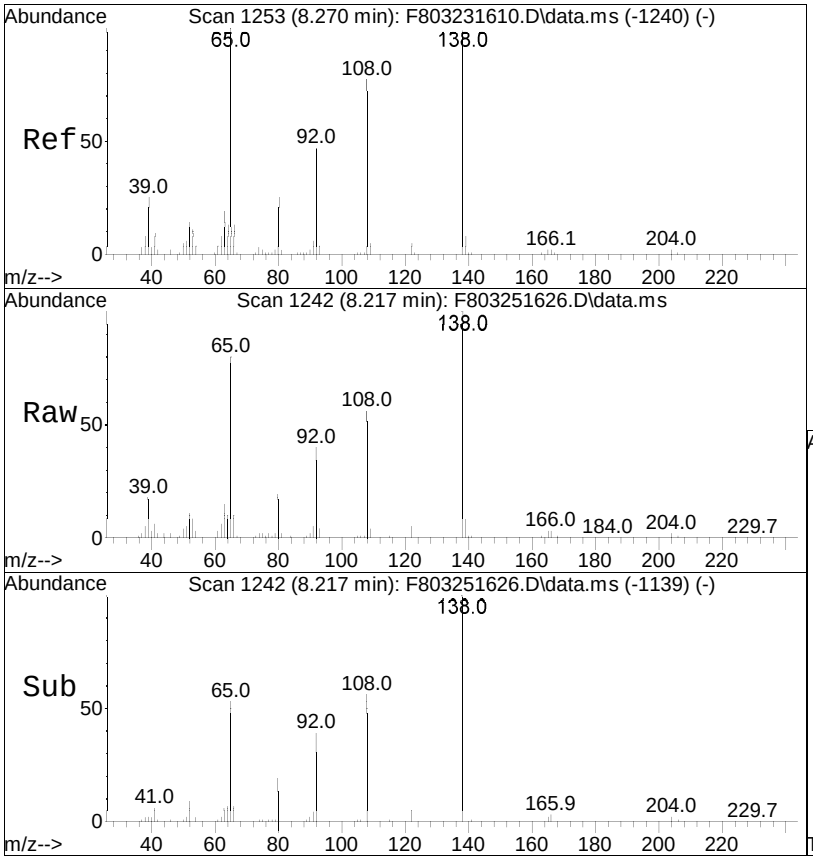


#59
Diethylphthalate
Concen: 9.97 ug/mL
RT: 8.073 min Scan# 1212
Delta R.T. -0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:149 Resp: 2037109

Ion	Ratio	Lower	Upper
149	100		
177	20.1	16.6	24.8
150	11.8	9.8	14.6

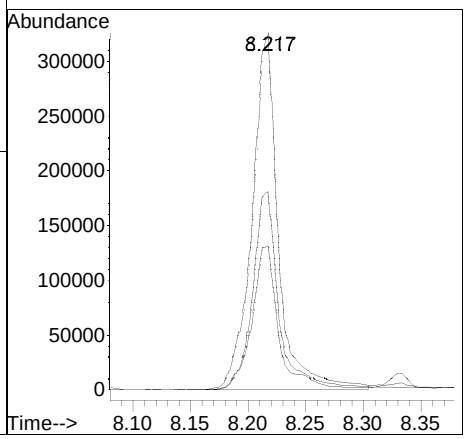


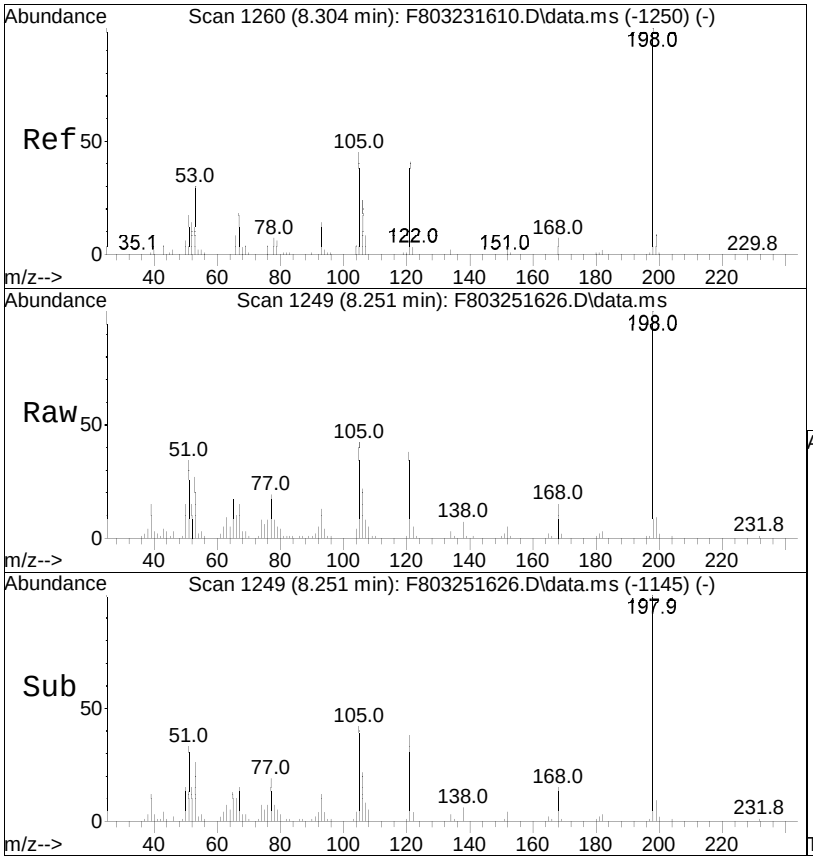


#60
4-Nitroaniline
Concen: 9.83 ug/mL
RT: 8.217 min Scan# 1242
Delta R.T. -0.005 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:138 Resp: 512367

Ion	Ratio	Lower	Upper
138	100		
92	40.7	32.7	49.1
108	56.0	45.8	68.6

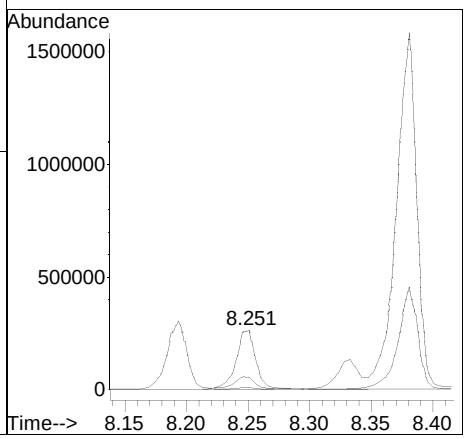


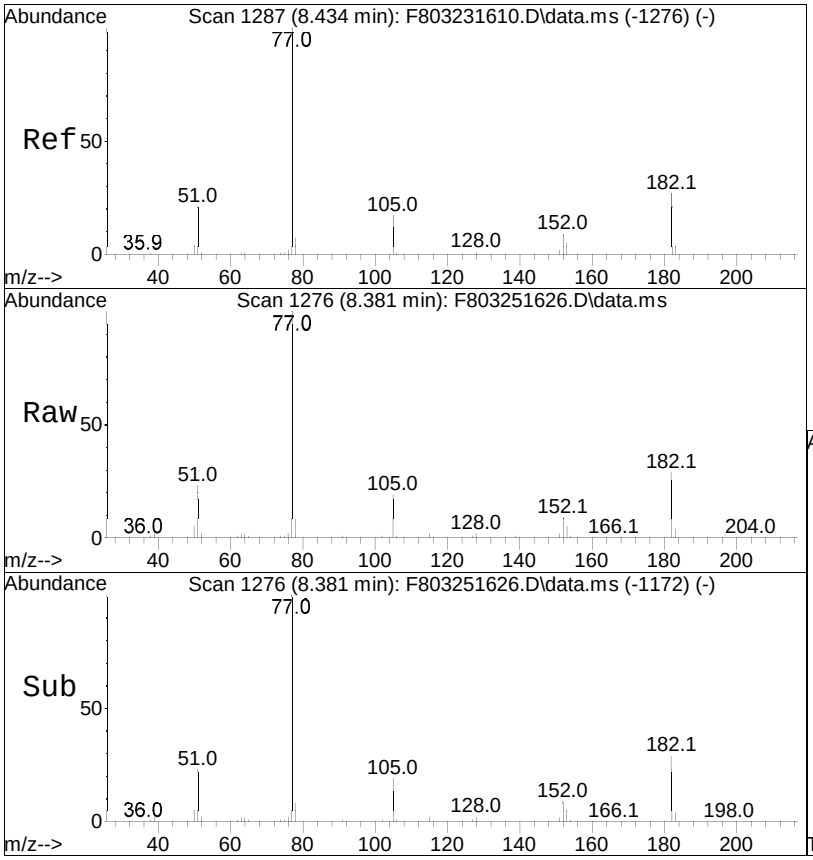


#62
4,6-Dinitro-2-methylphenol
Concen: 10.39 ug/mL
RT: 8.251 min Scan# 1249
Delta R.T. 0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:198 Resp: 298154

Ion	Ratio	Lower	Upper
198	100		
182	2.9	2.2	3.2
77	20.9	16.8	25.2

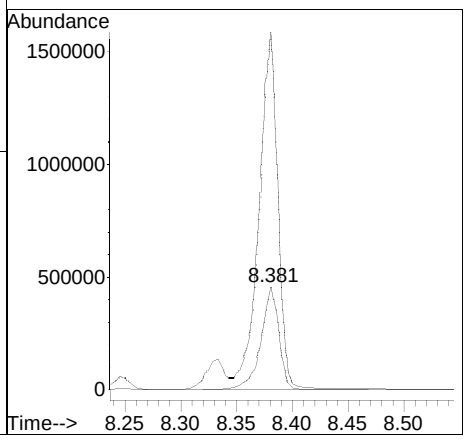


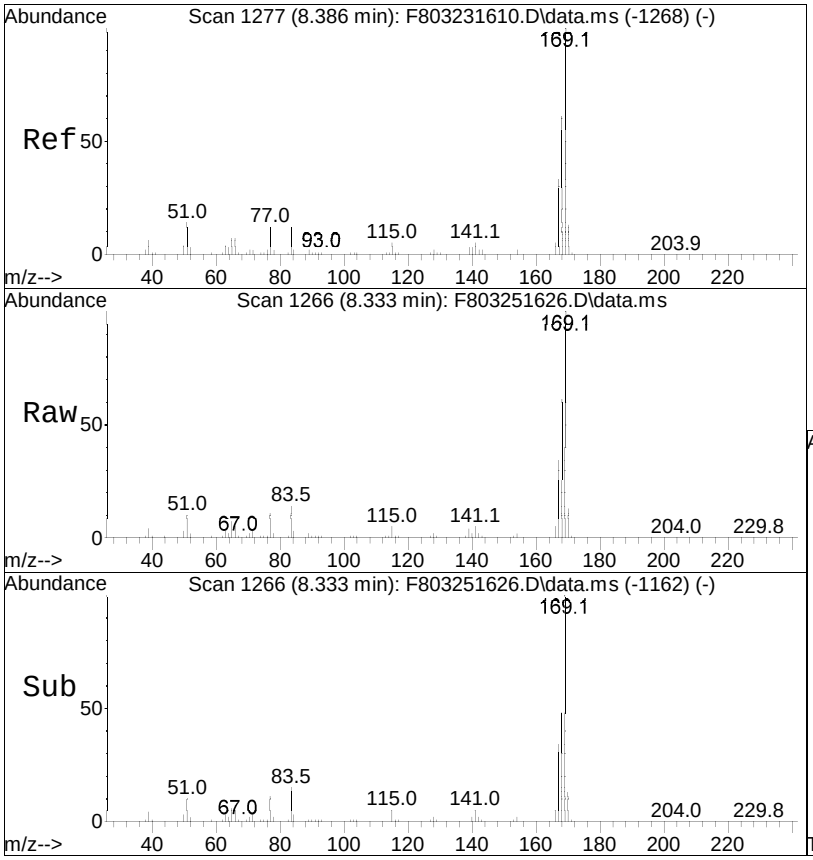


#63
Azobenzene
Concen: 9.79 ug/mL
RT: 8.381 min Scan# 1276
Delta R.T. 0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:182 Resp: 513142

Ion	Ratio	Lower	Upper
182	100		
77	350.4	54.9	631.7

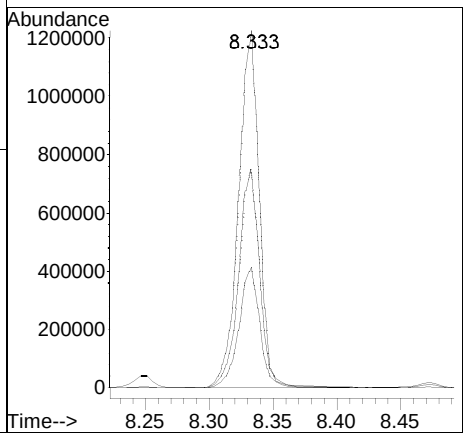


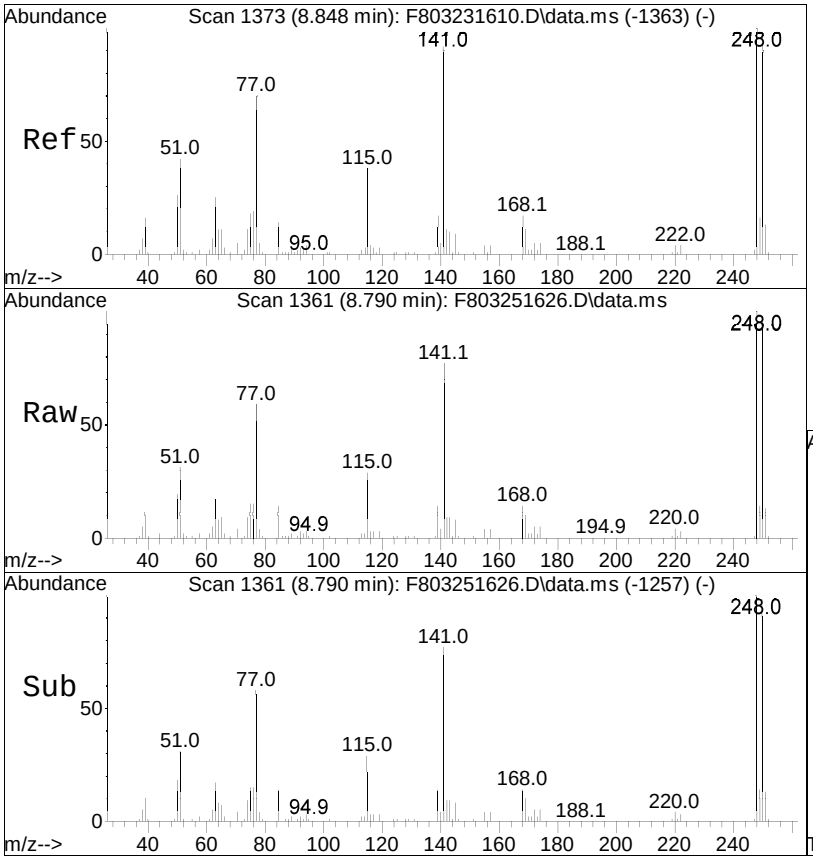


#64
n-Nitrosodiphenylamine
Concen: 10.07 ug/mL
RT: 8.333 min Scan# 1266
Delta R.T. -0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:169 Resp: 1375325

Ion	Ratio	Lower	Upper
169	100		
168	62.2	49.4	74.2
167	34.6	26.7	40.1

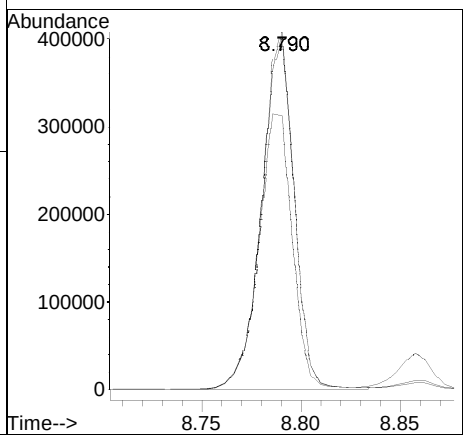


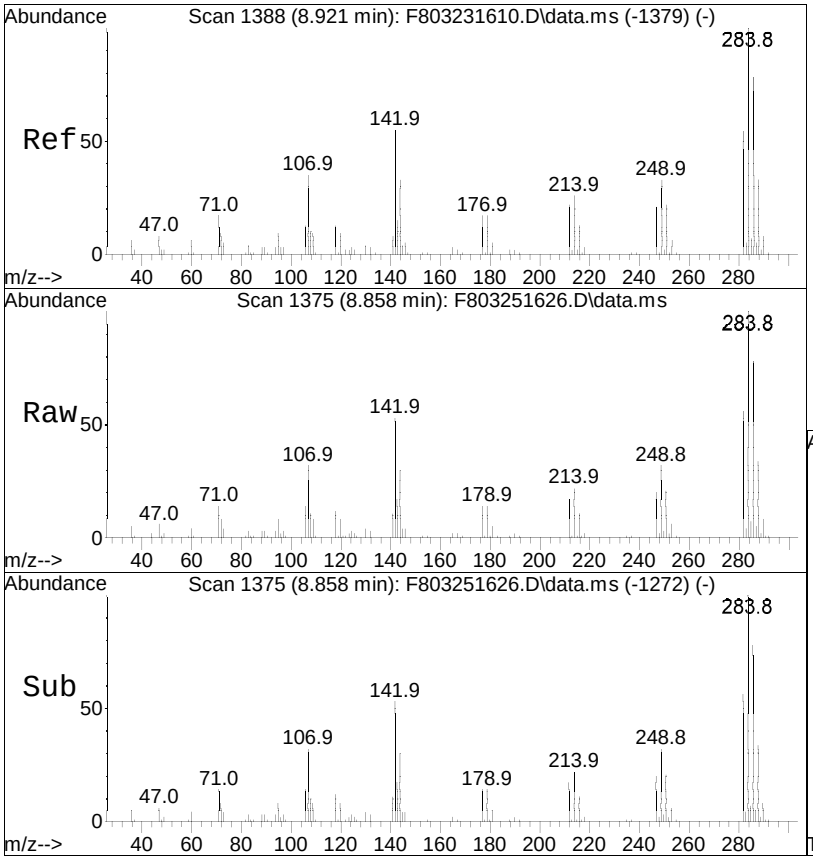


#66
4-Bromophenyl-phenylether
Concen: 9.65 ug/mL
RT: 8.790 min Scan# 1361
Delta R.T. 0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:248 Resp: 460164

Ion	Ratio	Lower	Upper
248	100		
250	97.9	77.3	115.9
141	80.0	61.7	92.5

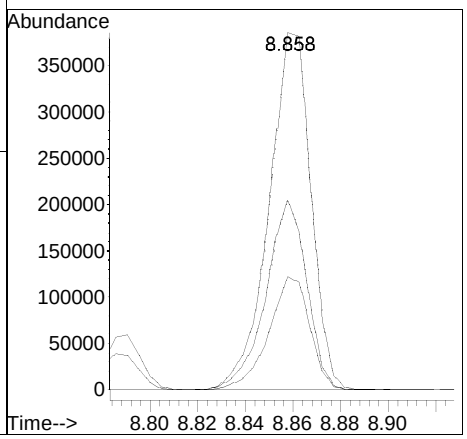


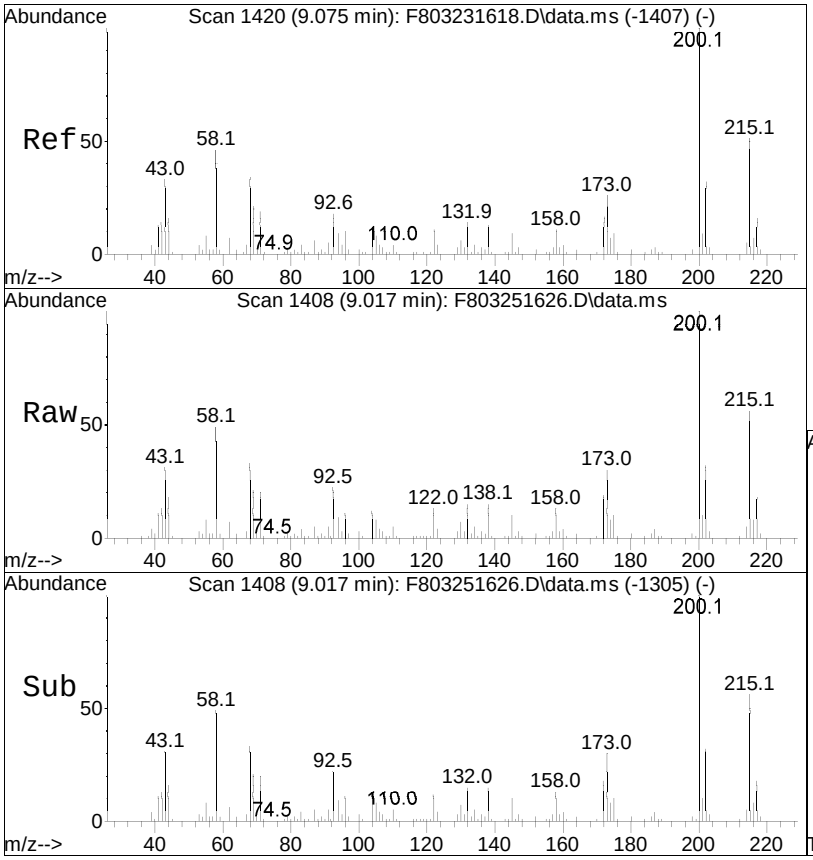


#67
Hexachlorobenzene
Concen: 9.74 ug/mL
RT: 8.858 min Scan# 1375
Delta R.T. -0.005 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:284 Resp: 472007

Ion	Ratio	Lower	Upper
284	100		
142	51.5	37.8	56.6
249	31.1	24.8	37.2

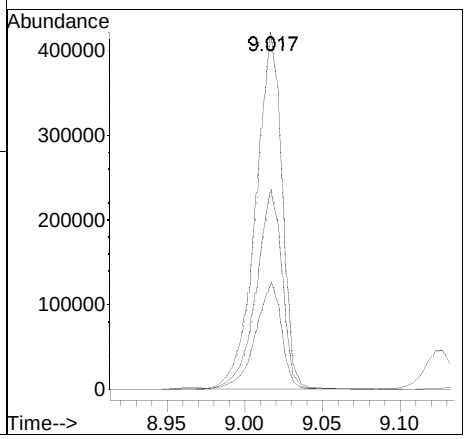


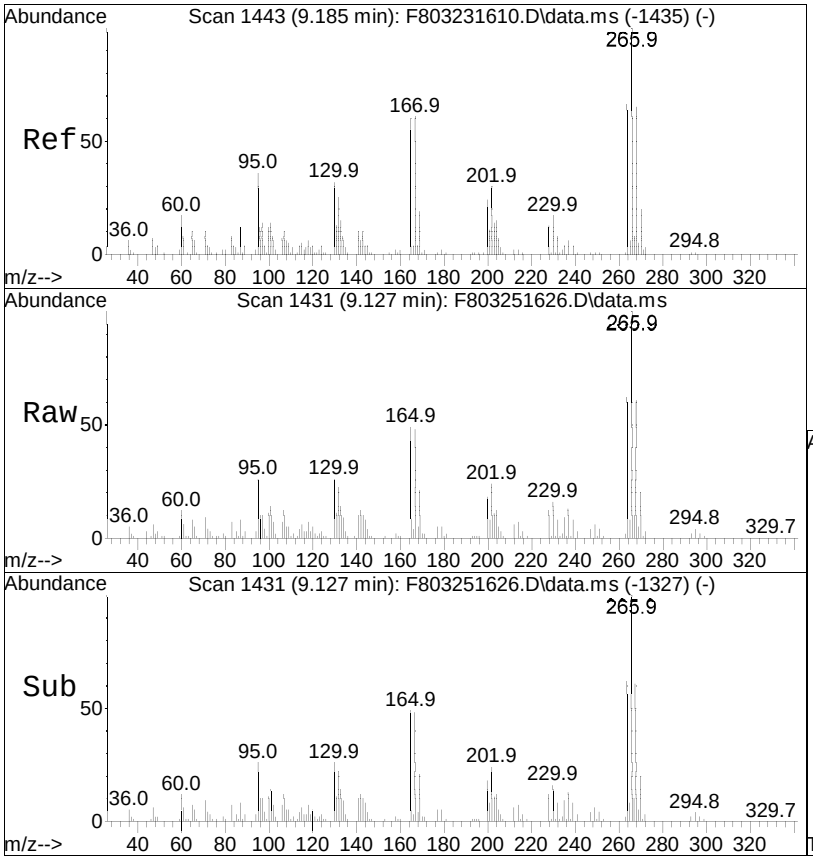


#68
Atrazine
Concen: 10.08 ug/ml
RT: 9.017 min Scan# 1408
Delta R.T. -0.005 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:200 Resp: 492971

Ion	Ratio	Lower	Upper
200	100		
173	29.9	23.7	35.5
215	55.7	44.1	66.1

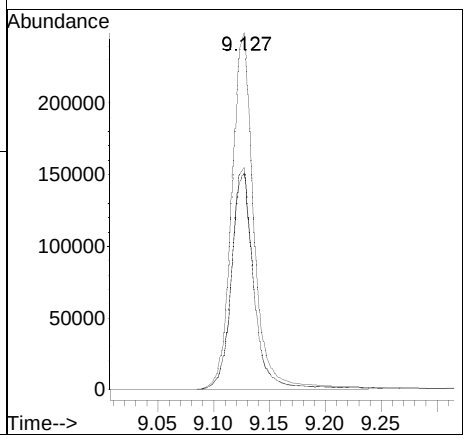


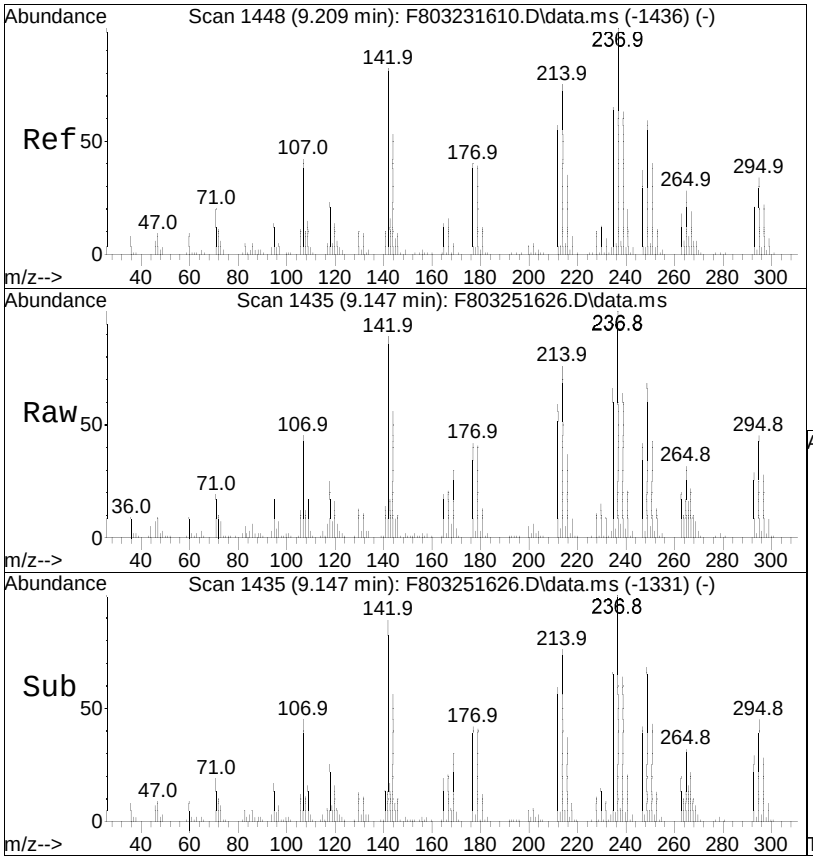


#69
Pentachlorophenol
Concen: 9.00 ug/mL
RT: 9.127 min Scan# 1431
Delta R.T. -0.001 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:266 Resp: 344143

Ion	Ratio	Lower	Upper
266	100		
264	62.8	49.7	74.5
268	60.3	48.1	72.1

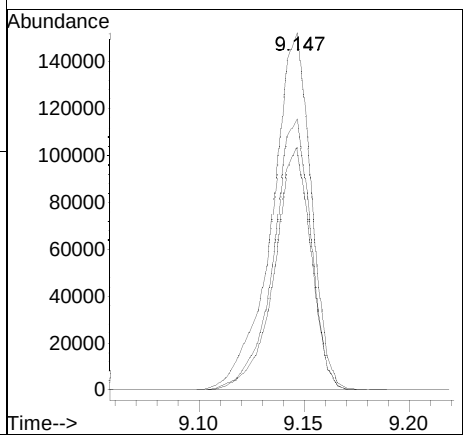


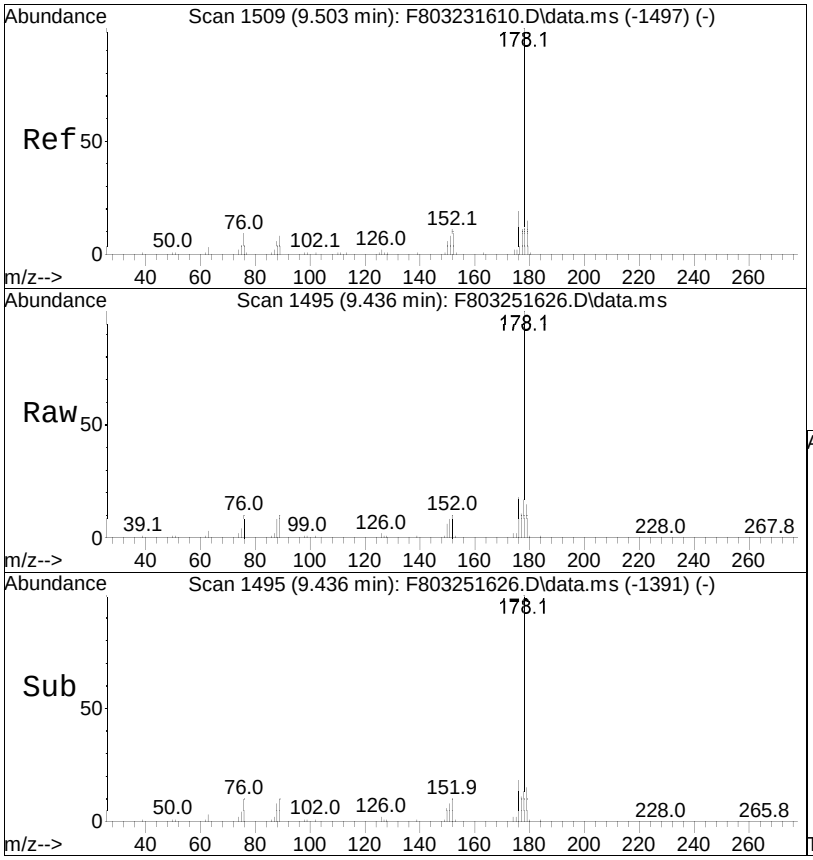


#70
Pentachloronitrobenzene
Concen: 10.86 ug/ml
RT: 9.147 min Scan# 1435
Delta R.T. -0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:237 Resp: 198042

Ion	Ratio	Lower	Upper
237	100		
214	72.3	63.4	95.2
249	63.5	54.9	82.3

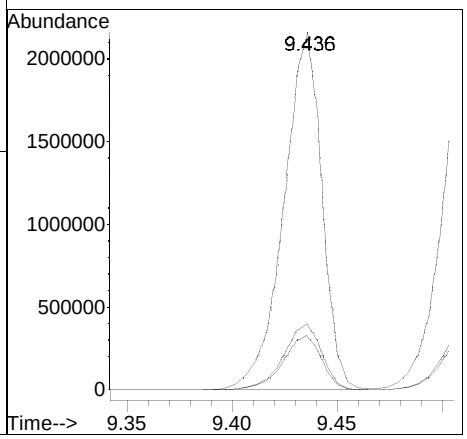


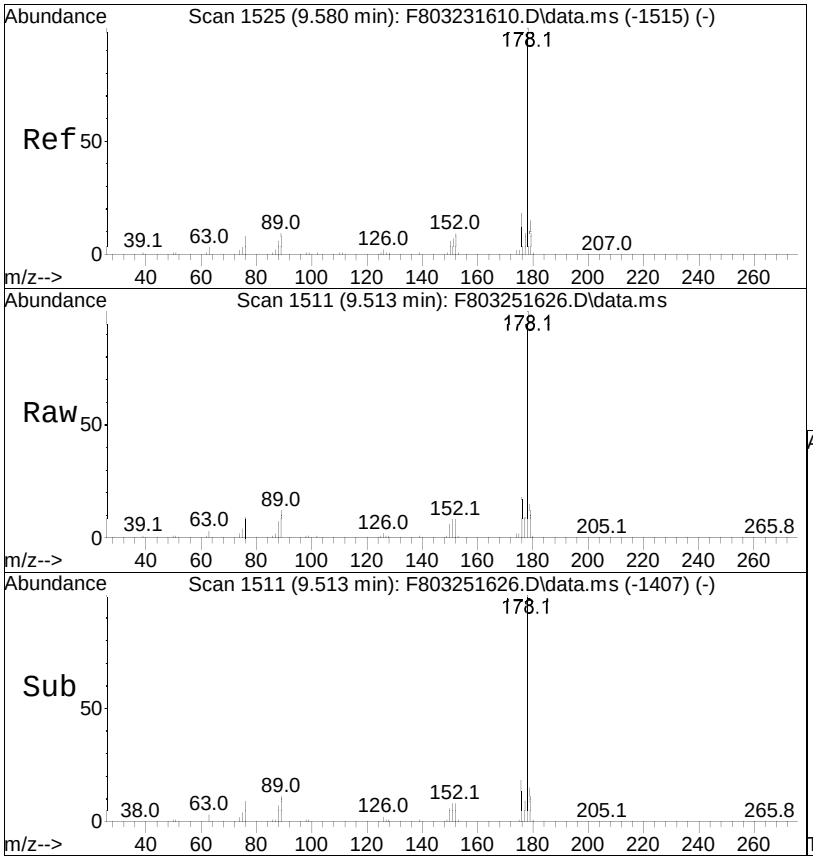


#71
Phenanthrene
Concen: 9.90 ug/mL
RT: 9.436 min Scan# 1495
Delta R.T. -0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:178 Resp: 2713432

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6
176	18.5	15.0	22.6

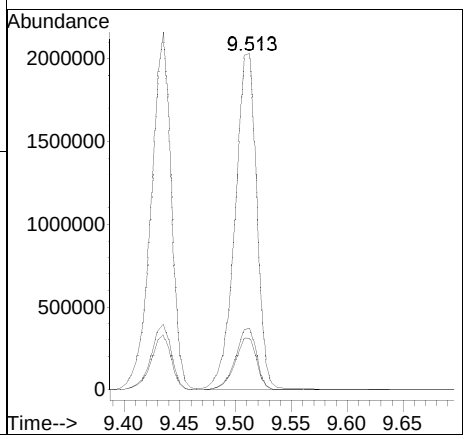


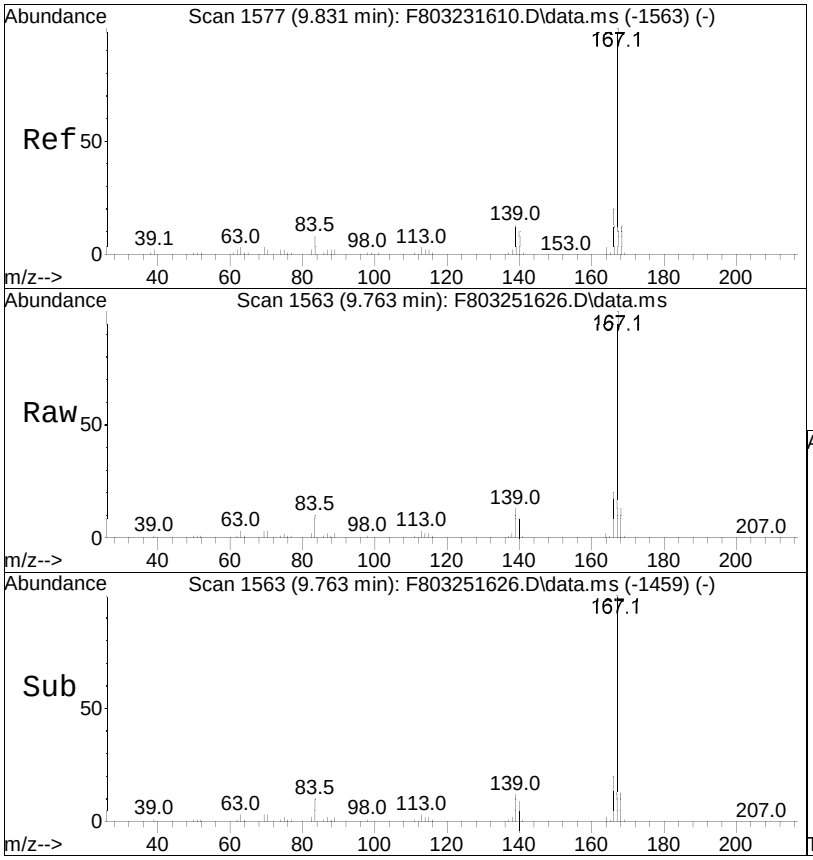


#72
Anthracene
Concen: 9.87 ug/mL
RT: 9.513 min Scan# 1511
Delta R.T. -0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:178 Resp: 2750446

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	18.8
176	17.9	14.6	22.0

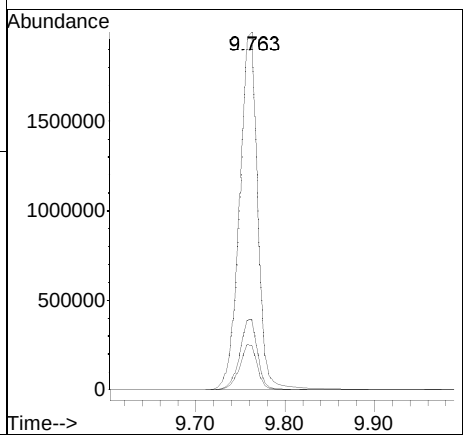


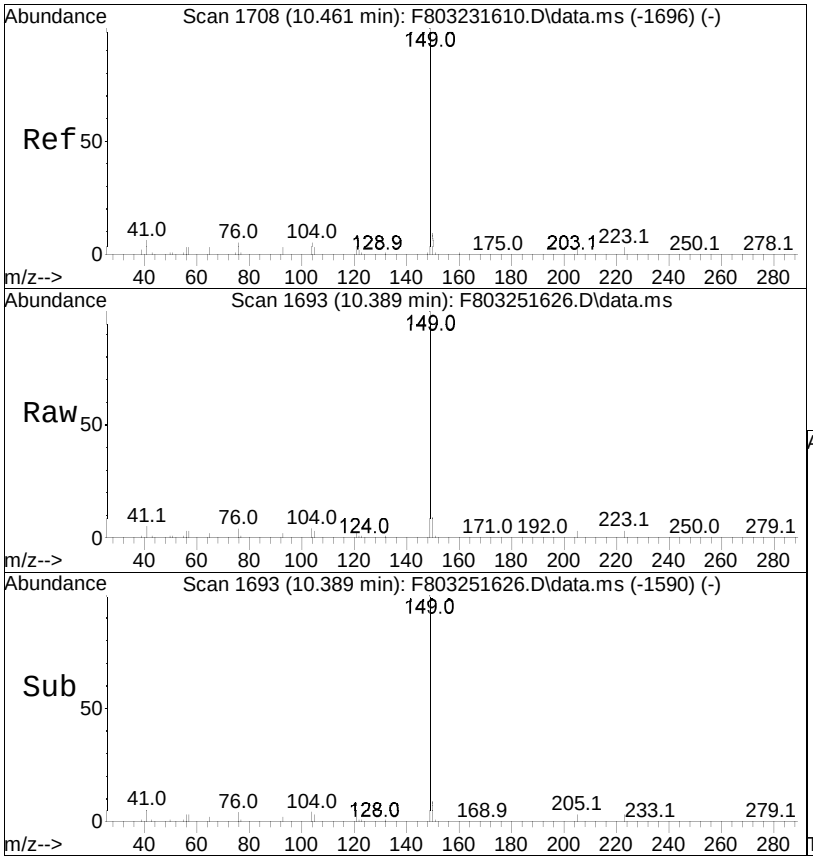


#73
Carbazole
Concen: 10.20 ug/mL
RT: 9.763 min Scan# 1563
Delta R.T. 0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:167 Resp: 2783047

Ion	Ratio	Lower	Upper
167	100		
139	12.7	10.3	15.5
166	19.7	15.9	23.9

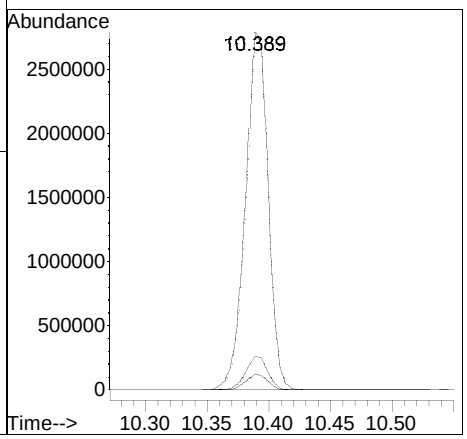


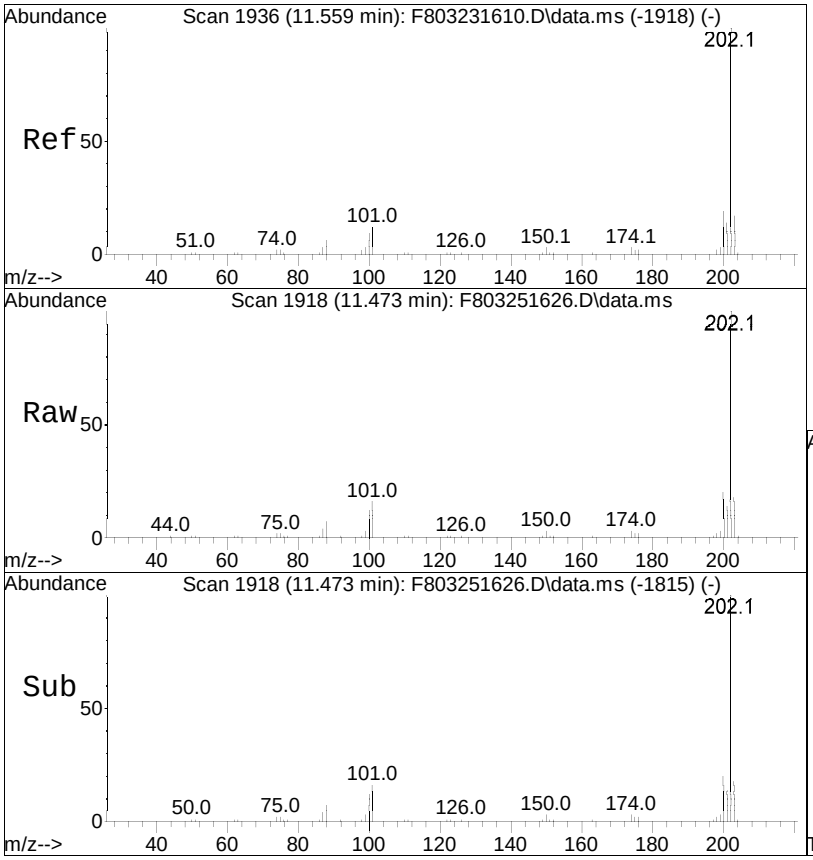


#74
Di-n-butylphthalate
Concen: 10.43 ug/mL
RT: 10.389 min Scan# 1693
Delta R.T. -0.005 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:149 Resp: 3517591

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.4	3.5	5.3

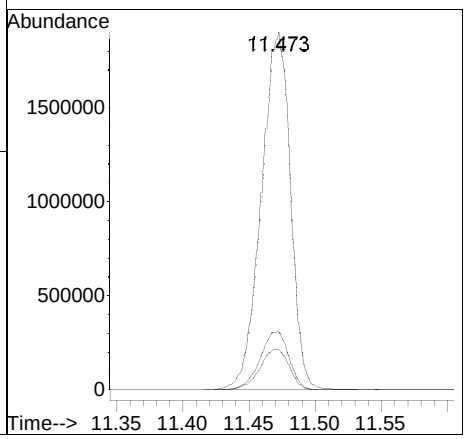


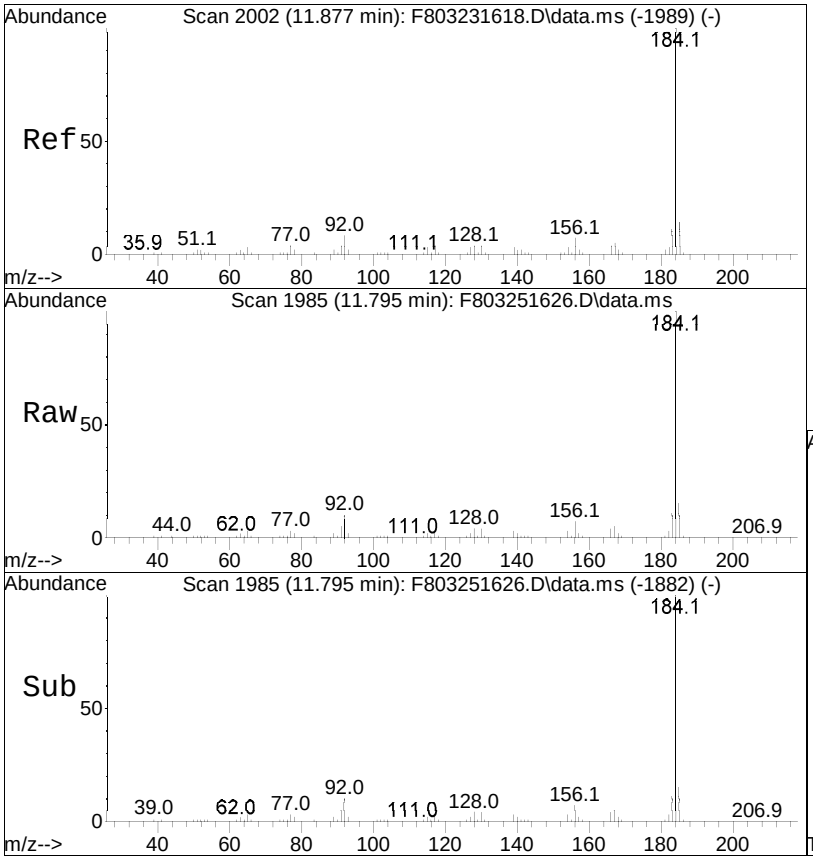


#75
Fluoranthene
Concen: 9.92 ug/mL
RT: 11.473 min Scan# 1918
Delta R.T. -0.004 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:202 Resp: 2873545

Ion	Ratio	Lower	Upper
202	100		
101	16.4	13.4	20.2
100	11.7	9.4	14.2

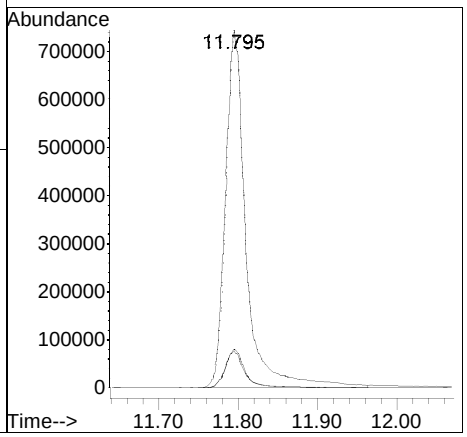


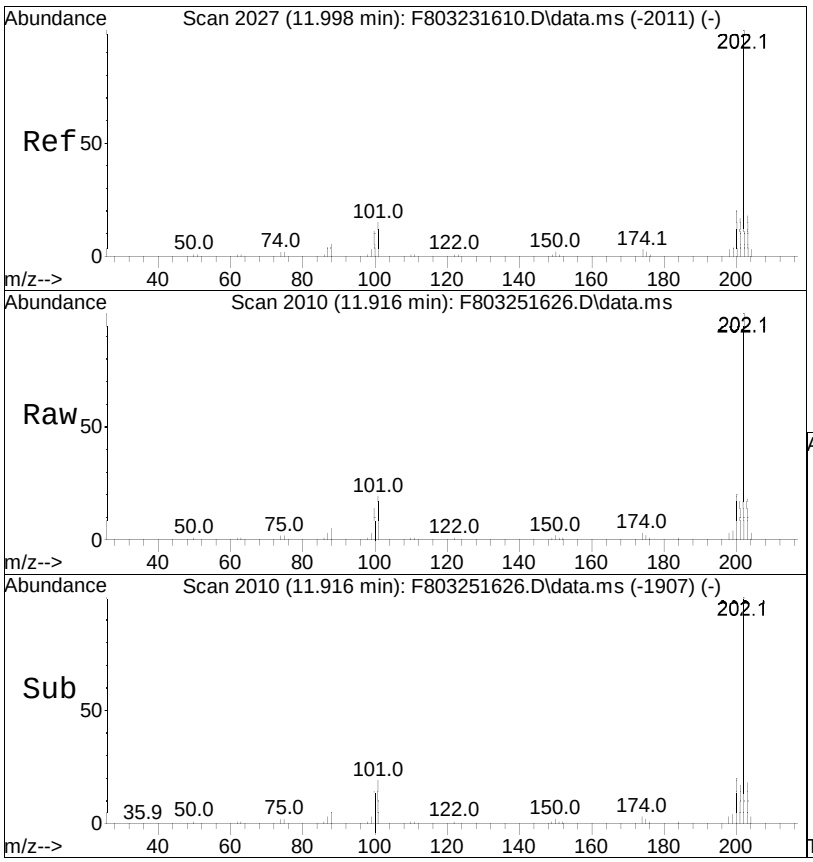


#77
Benzidine
Concen: 6.22 ug/mL
RT: 11.795 min Scan# 1985
Delta R.T. -0.005 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:184 Resp: 1314893

Ion	Ratio	Lower	Upper
184	100		
183	10.5	8.9	13.3
92	9.7	8.4	12.6

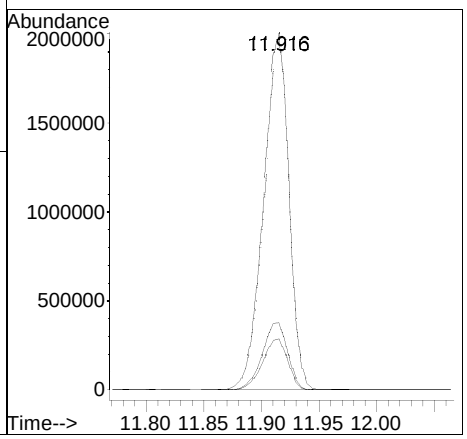


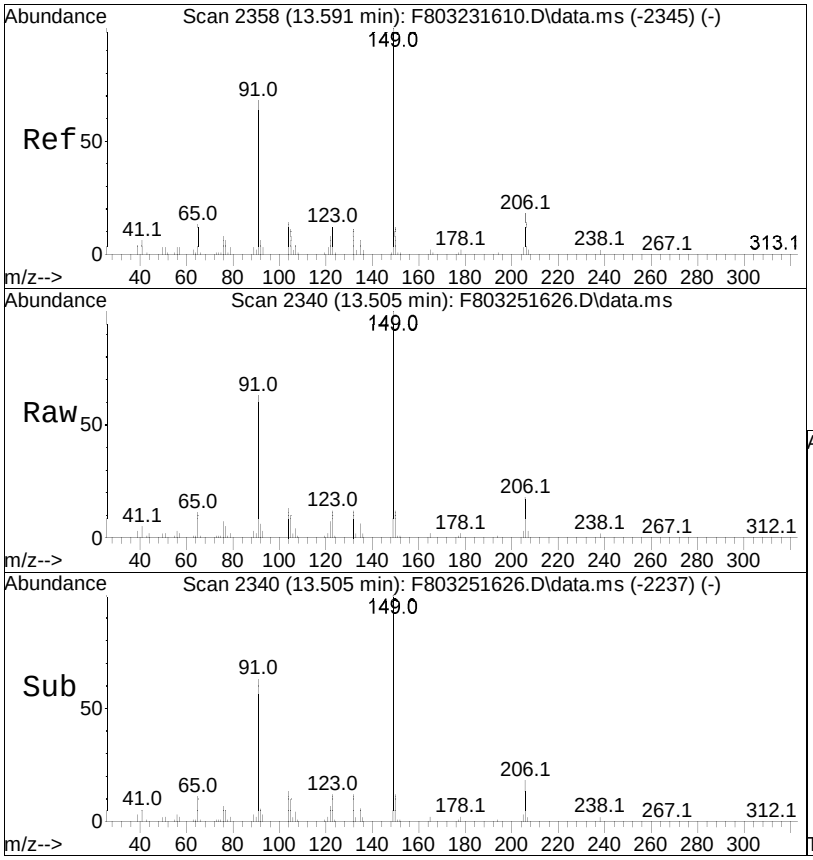


#78
Pyrene
Concen: 9.79 ug/mL
RT: 11.916 min Scan# 2010
Delta R.T. -0.004 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:202 Resp: 3014439

Ion	Ratio	Lower	Upper
202	100		
101	19.2	14.9	22.3
100	14.6	11.4	17.2

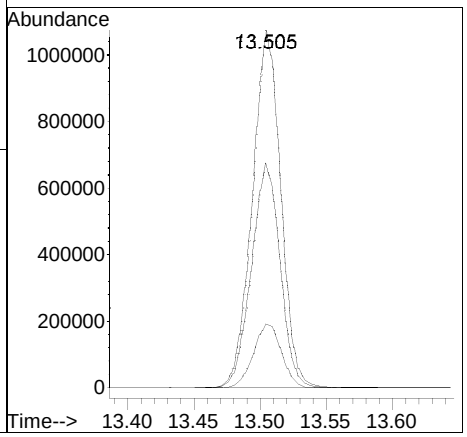


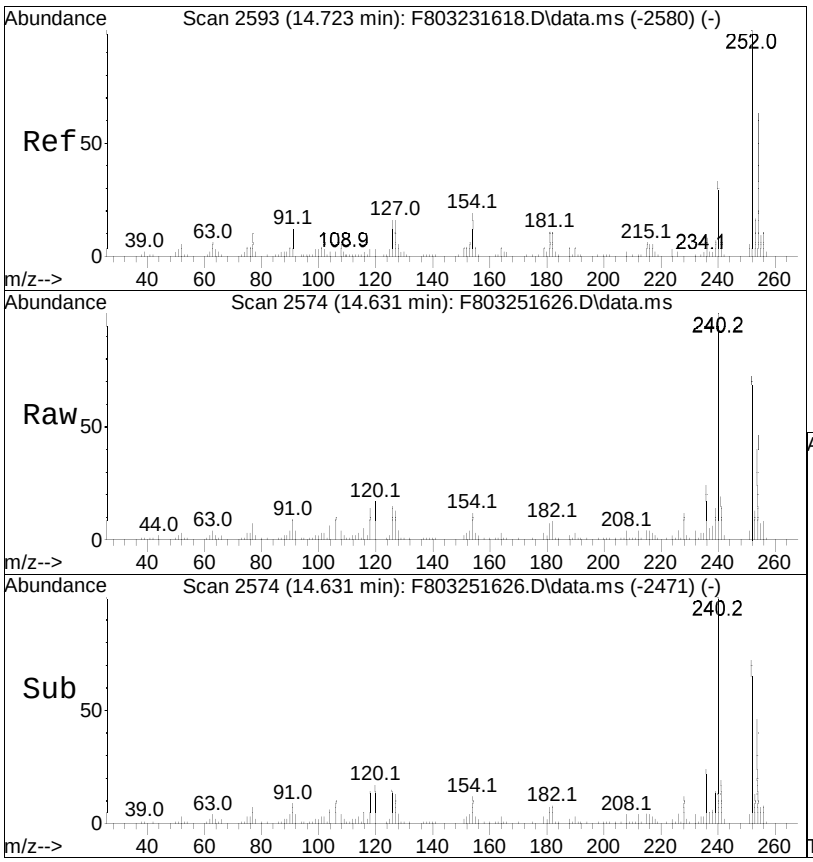


#80
Butylbenzylphthalate
Concen: 10.18 ug/mL
RT: 13.505 min Scan# 2340
Delta R.T. -0.004 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:149 Resp: 1584159

Ion	Ratio	Lower	Upper
149	100		
91	63.9	50.8	76.2
206	18.0	15.0	22.4

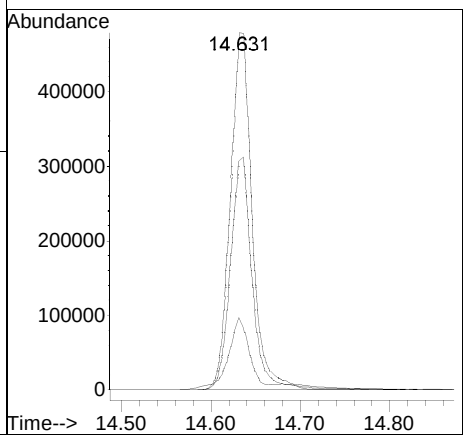


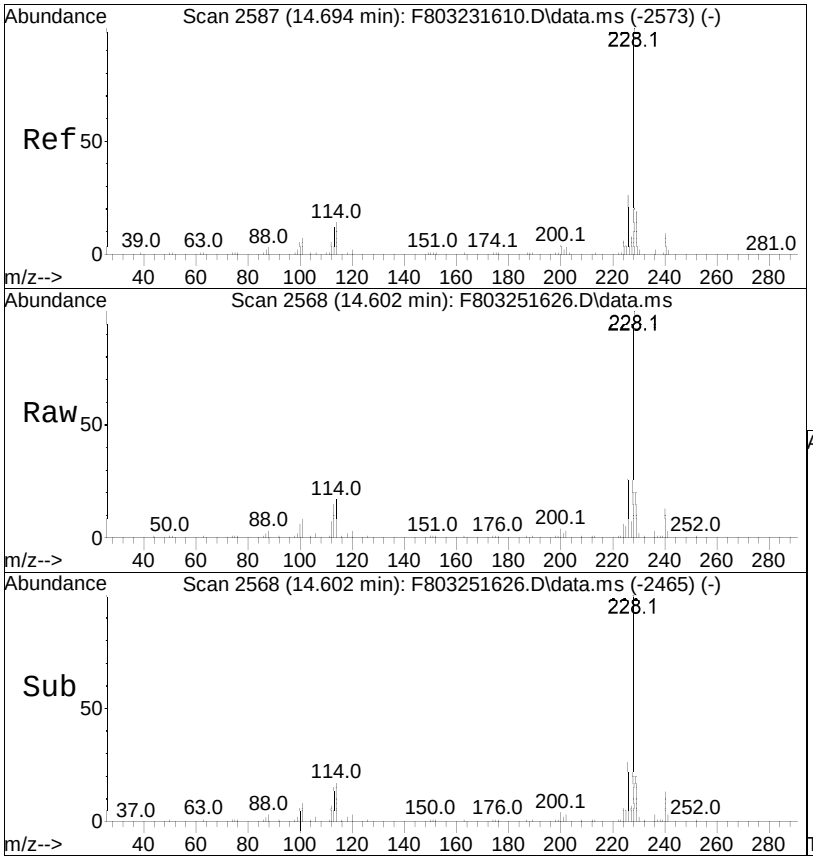


#81
3,3'-Dichlorobenzidine
Concen: 8.86 ug/mL
RT: 14.631 min Scan# 2574
Delta R.T. -0.005 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:252 Resp: 813886

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.0	76.4
126	19.8	15.2	22.8

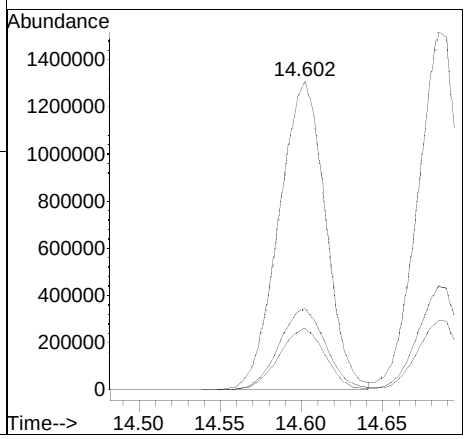


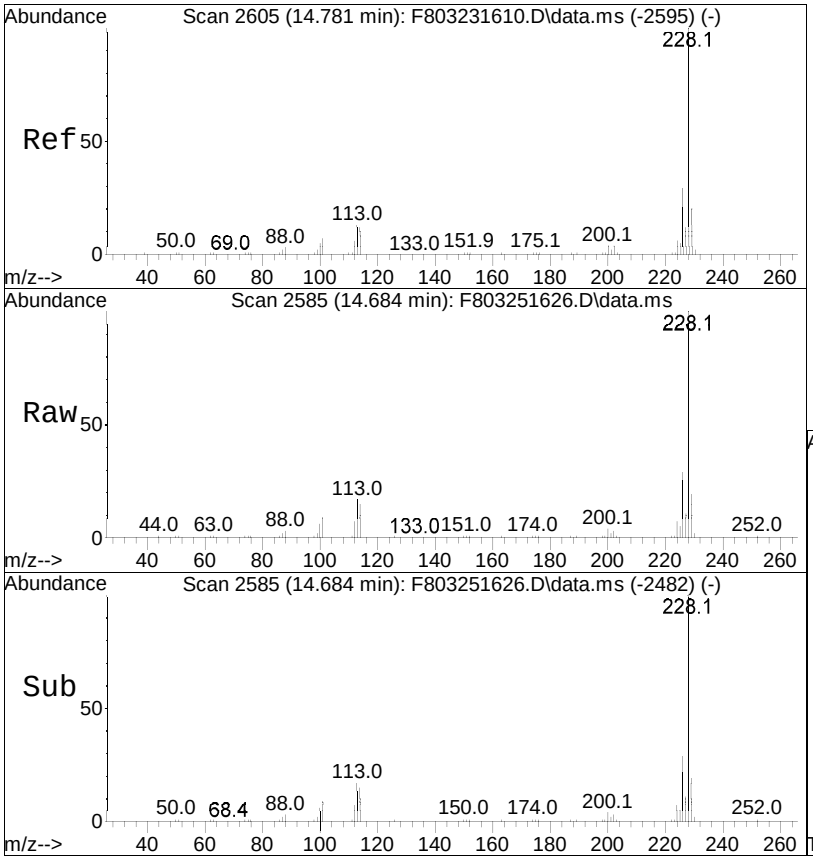


#82
Benz[a]anthracene
Concen: 9.27 ug/mL
RT: 14.602 min Scan# 2568
Delta R.T. -0.005 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:228 Resp: 2610914

Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.9	23.9
226	26.6	21.2	31.8

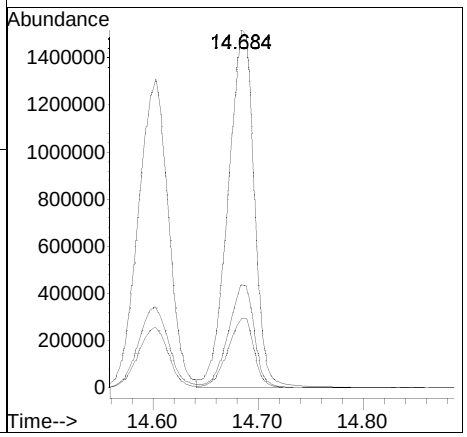


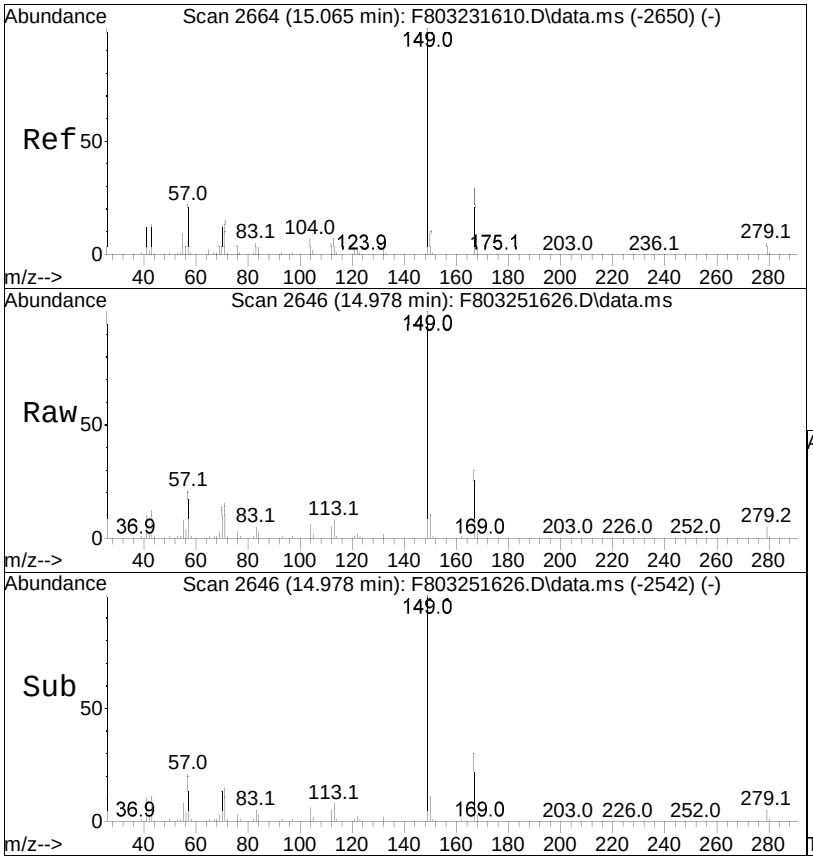


#83
Chrysene
Concen: 9.68 ug/mL
RT: 14.684 min Scan# 2585
Delta R.T. -0.005 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:228 Resp: 2626033

Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.7	35.5
229	19.4	15.8	23.8

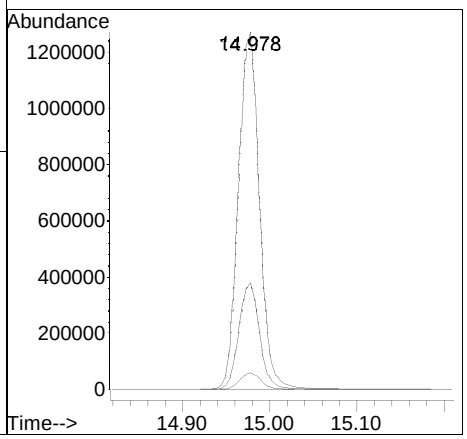


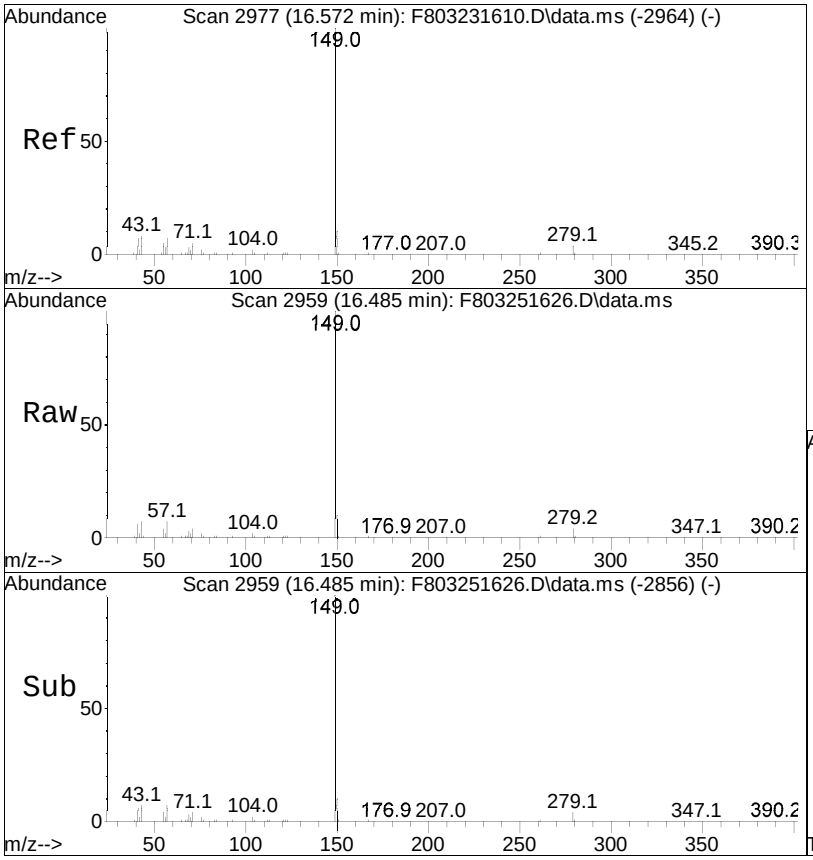


#84
bis(2-Ethylhexyl)phthalate
Concen: 10.08 ug/mL
RT: 14.978 min Scan# 2646
Delta R.T. 0.000 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:149 Resp: 2107044

Ion	Ratio	Lower	Upper
149	100		
167	29.6	23.8	35.6
279	4.7	4.0	6.0

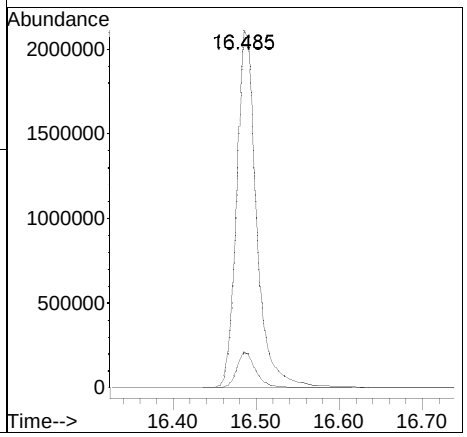


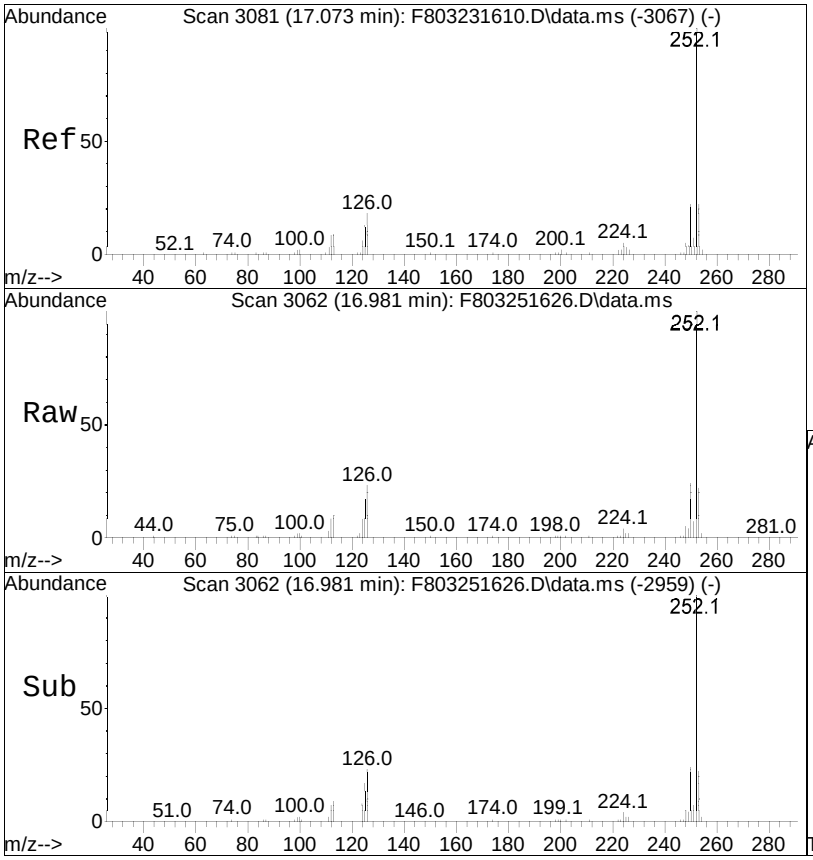


#86
Di-n-octylphthalate
Concen: 11.02 ug/mL
RT: 16.485 min Scan# 2959
Delta R.T. -0.005 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:149 Resp: 3498955

Ion	Ratio	Lower	Upper
149	100		
150	9.9	8.1	12.1

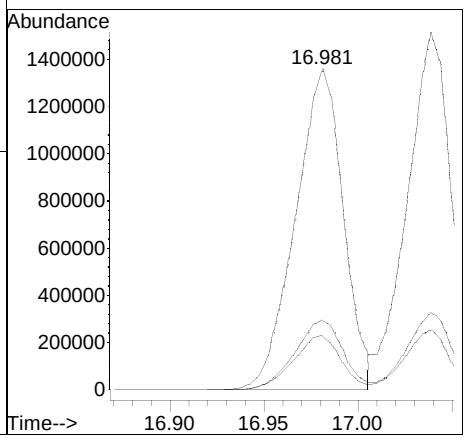


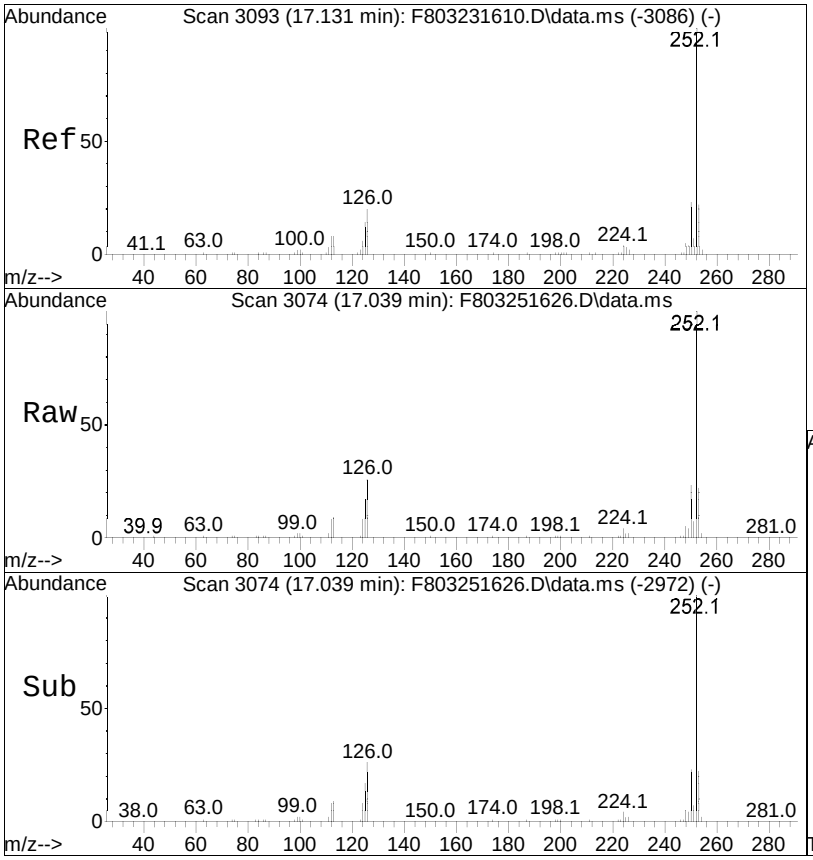


#87
Benzo[b]fluoranthene
Concen: 10.16 ug/mL
RT: 16.981 min Scan# 3062
Delta R.T. -0.005 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:252 Resp: 2408759

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	17.0	13.7	20.5

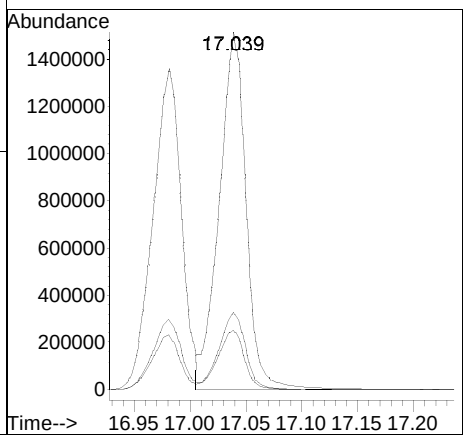


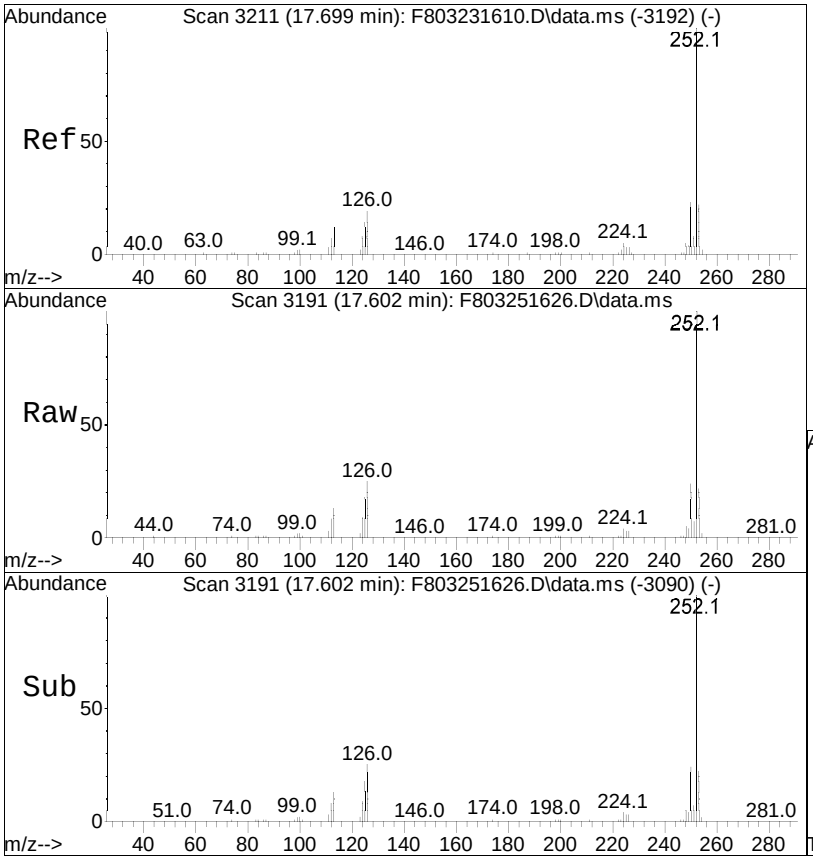


#88
Benzo[k]fluoranthene
Concen: 10.92 ug/mL
RT: 17.039 min Scan# 3074
Delta R.T. -0.010 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:252 Resp: 2513816

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.3	25.9
125	16.8	13.3	19.9

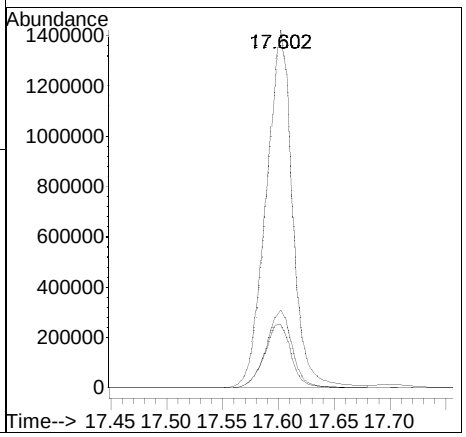


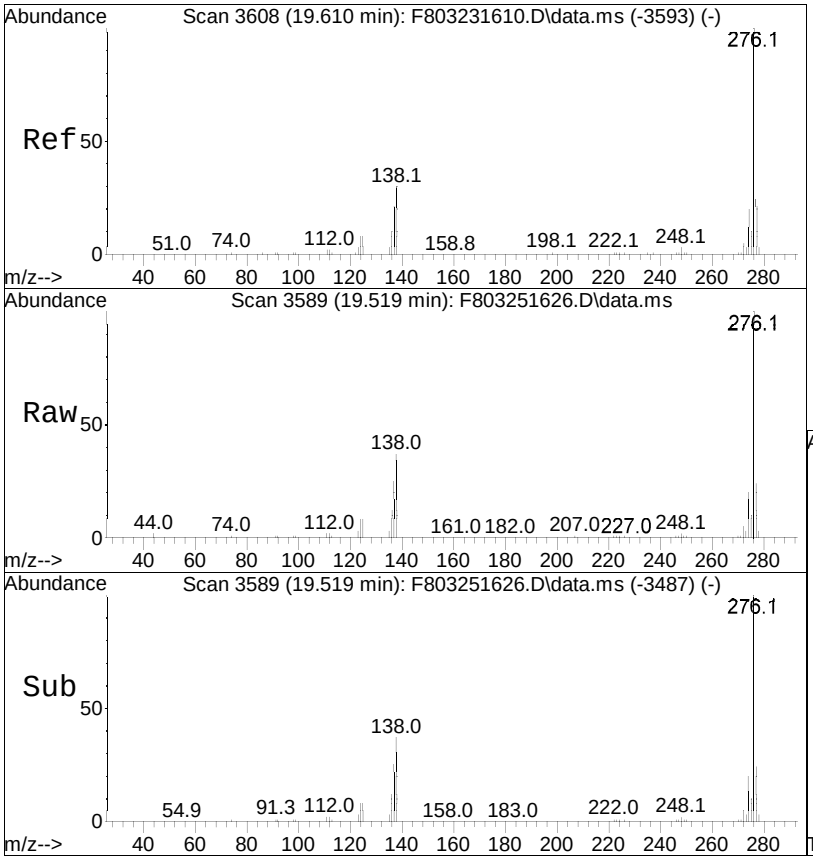


#89
Benzo[a]pyrene
Concen: 10.16 ug/mL
RT: 17.602 min Scan# 3191
Delta R.T. -0.015 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:252 Resp: 2313076

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0
125	18.5	14.3	21.5

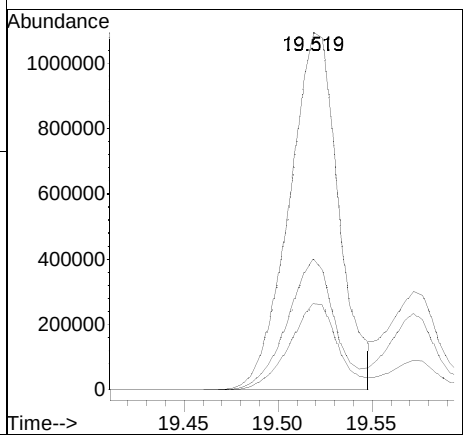


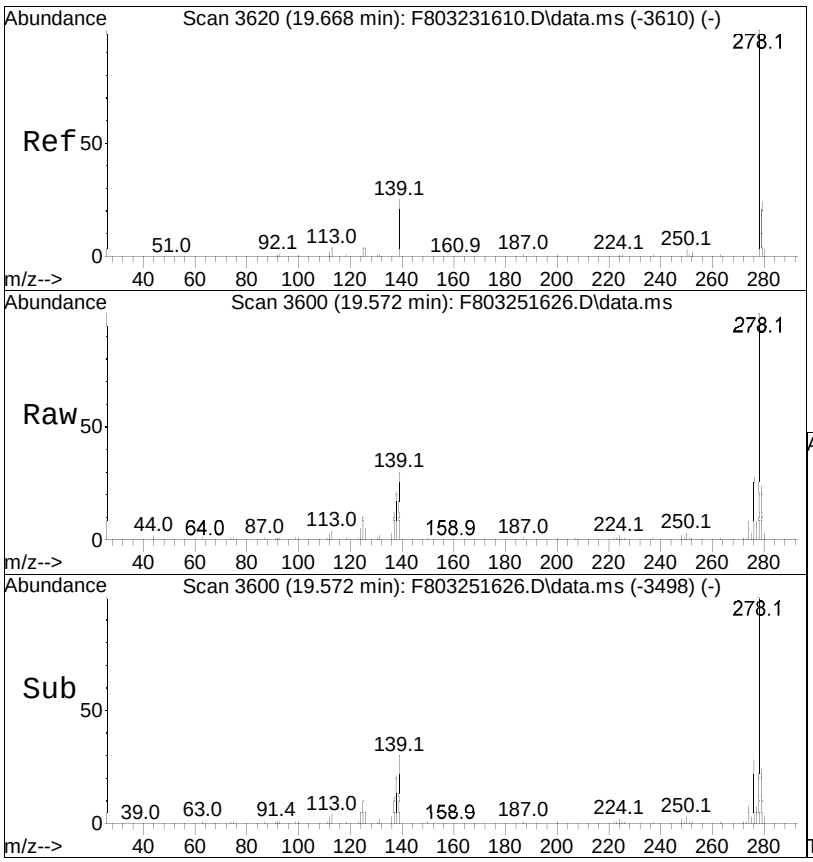


#90
Indeno[1,2,3-cd]pyrene
Concen: 9.88 ug/mL
RT: 19.519 min Scan# 3589
Delta R.T. -0.010 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:276 Resp: 1988042

Ion	Ratio	Lower	Upper
276	100		
138	35.2	28.2	42.2
277	24.0	19.4	29.0

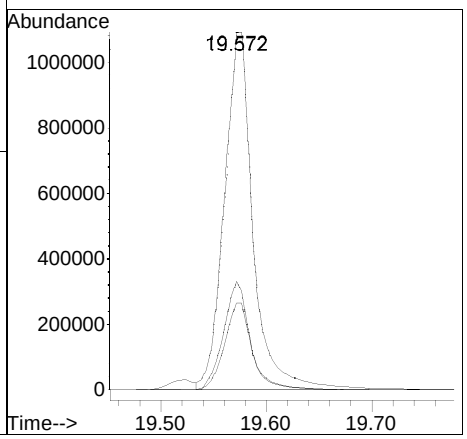


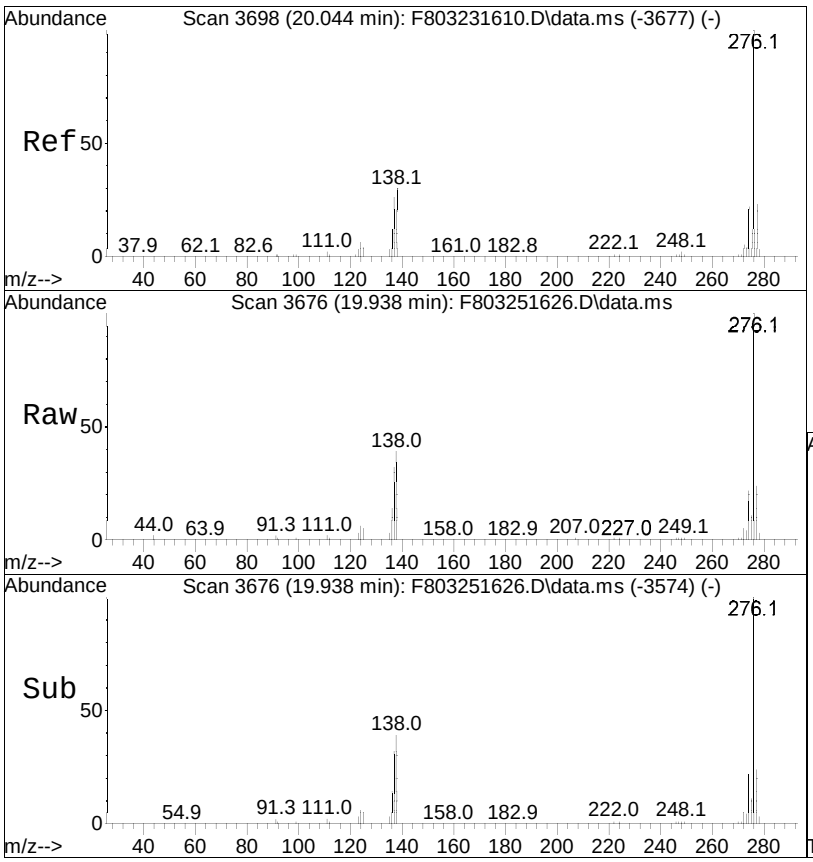


#91
Dibenz[a,h]anthracene
Concen: 10.15 ug/mL M4
RT: 19.572 min Scan# 3600
Delta R.T. -0.010 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:278 Resp: 2039529

Ion	Ratio	Lower	Upper
278	100		
139	29.3	23.4	35.0
279	23.4	19.4	29.0

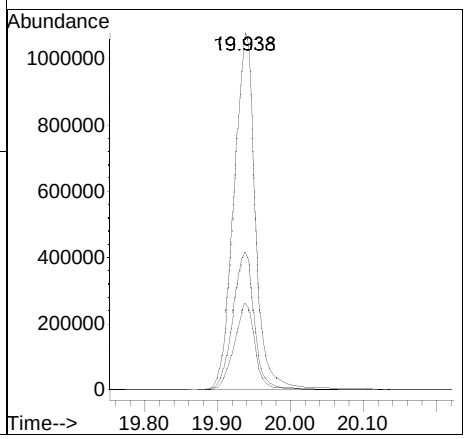




#92
Benzo[g,h,i]perylene
Concen: 10.37 ug/mL
RT: 19.938 min Scan# 3676
Delta R.T. -0.010 min
Lab File: F803251626.D
Acq: 26 Mar 2016 3:20 pm

Tgt Ion:276 Resp: 2196514

Ion	Ratio	Lower	Upper
276	100		
138	38.8	31.4	47.2
277	23.8	19.4	29.0



Sample Preparation

ORGANIC ELN REPORT

Workgroup: WG876532

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** 0000121755
Surrogate Type: 8270 **Lot #:** MSAH20
Spike Type: 8270 **Lot #:** MSAH45/MSAH55/MSAI36
Spike Verify by: WR
Lims Spikelot: 8270SPK3

Additional Reagents/Stds

Glass Wool	11414001
H2SO4	OWA101215A
Na2SO4	0000125638
NaOH	OWB100715A

Conc.Method: Buchi
Solvent Type: DCM
Lot #: 0000121755

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction: Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Concentration: Conc Date	Analyst	Final Vol ml	Conc Unit
WG876532-1 BLANK	03/23/16 11:04	Sarah Barr	1000	I=7, A<2, B>11	.25		03/23/16 13:30	Sarah Barr	1.0	BUCHI 1
	QC samples shared with WG876548 JM 3/23/16									
WG876532-2 LCS	03/23/16 11:04	Sarah Barr	1000	I=7, A<2, B>11	.25	.1	03/23/16 13:30	Sarah Barr	1.0	BUCHI 1
WG876532-3 LCSD	03/23/16 11:04	Sarah Barr	1000	I=7, A<2, B>11	.25	.1	03/23/16 13:30	Sarah Barr	1.0	BUCHI 1
L1607846-01 SAMP	03/23/16 11:04	Sarah Barr	880	I=7, A<2, B>11	.25		03/23/16 13:30	Sarah Barr	1.0	BUCHI 1
L1607846-02 SAMP	03/23/16 11:04	Sarah Barr	980	I=7, A<2, B>11	.25		03/23/16 13:30	Sarah Barr	1.0	BUCHI 1
L1607846-03 SAMP	03/23/16 11:04	Sarah Barr	950	I=7, A<2, B>11	.25		03/23/16 13:30	Sarah Barr	1.0	BUCHI 1

Reported: 06-APR-16 04:37 PM

ORGANIC ELN REPORT

Workgroup: WG876532

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L1607846-04 SAMP	03/23/16 11:04	Sarah Barr	970	I=7, A<2, B>11	.25		03/23/16 13:30	Sarah Barr	1.0	BUCHI 1
L1607846-05 SAMP	03/23/16 11:04	Sarah Barr	960	I=7, A<2, B>11	.25		03/23/16 13:30	Sarah Barr	1.0	BUCHI 1
L1607846-06 SAMP	03/23/16 11:04	Sarah Barr	970	I=7, A<2, B>11	.25		03/23/16 13:30	Sarah Barr	1.0	BUCHI 1
L1607846-07 SAMP	03/23/16 11:04	Sarah Barr	950	I=7, A<2, B>11	.25		03/23/16 13:30	Sarah Barr	1.0	BUCHI 1
L1607846-08 SAMP	03/23/16 11:04	Sarah Barr	970	I=7, A<2, B>11	.25		03/23/16 13:30	Sarah Barr	1.0	BUCHI 1
L1607846-09 SAMP	03/23/16 11:04	Sarah Barr	970	I=7, A<2, B>11	.25		03/23/16 13:30	Sarah Barr	1.0	BUCHI 1

Reported: 06-APR-16 04:37 PM

GC/MS Extractable Analysis
Method 8270
Selective Ion Monitoring

Initial Calibration

Response Factor Report PAH 5

Method Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Method File : PAH0307PAH5.M
Title : PAH's by SIM
Last Update : Wed Mar 09 12:27:44 2016
Response Via : Initial Calibration

Calibration Files
10 =F503071616.D 20 =F503071617.D 100 =F503071618.D 200 =F503071619.D 500 =F503071620.D
1000=F503071621.D 2000=F503071622.D 5000=F503071623.D

		Compound	10	20	100	200	500	1000	2000	5000	Avg	%RSD
1)	i	Naphthalene-d8	ISTD									
2)	t	Naphthalene	1.027	1.049	1.089	1.124	1.062	1.086	1.047	1.027	1.064	3.17
3)	t	1,4-Dichlorobe...	0.494	0.506	0.526	0.546	0.513	0.524	0.509		0.517	3.25
4)	s	2-Methylnaphth...	0.531	0.536	0.571	0.598	0.573	0.592	0.573	0.578	0.569	4.22
5)	t	2-Methylnaphth...	0.655	0.664	0.724	0.749	0.715	0.739	0.713	0.709	0.709	4.66
6)	t	1-Methylnaphth...	0.627	0.639	0.688	0.718	0.682	0.701	0.679	0.677	0.676	4.48
7)	i	Acenaphthene-d10	ISTD									
8)	t	Dibenzothiophene	2.177	2.200	2.369	2.477	2.433	2.471	2.417		2.363	5.28
9)		2-Chloronaphth...	1.431	1.497	1.583	1.632	1.565	1.597	1.557		1.552	4.33
10)	t	Biphenyl	1.723	1.790	1.860	1.931	1.827	1.862	1.808		1.829	3.57
11)	t	2,6-Dimethylna...	1.142	1.183	1.279	1.335	1.291	1.334	1.300		1.266	5.92
12)	t	Acenaphthylene	1.828	1.850	2.054	2.215	2.161	2.251	2.191		*L	0.9998
13)	t	Acenaphthene	1.386	1.408	1.473	1.524	1.456	1.482	1.449		1.454	3.17
14)	t	Dibenzofuran	1.939	1.972	2.095	2.200	2.064	2.110	2.032		2.059	4.28
15)	t	Fluorene	1.445	1.473	1.606	1.704	1.630	1.693	1.642		1.599	6.37
16)	t	2,3,5-Trimethy...	1.013	1.035	1.134	1.187	1.154	1.202	1.178		1.129	6.67
17)	i	Phenanthrene-d10	ISTD									
18)	s	Fluoranthene-d10	0.880	0.863	0.983	1.047	1.050	1.071	1.057	1.045	1.000	8.33
19)	t	Phenanthrene	1.230	1.190	1.245	1.281	1.218	1.232	1.176		1.225	2.84
20)	t	Anthracene	0.980	0.985	1.129	1.214	1.205	1.226	1.209		1.136	9.60
21)	t	Carbazole	0.970	0.946	1.095	1.166	1.139	1.182	1.141		1.091	8.72
22)	t	1-Methylphenan...	0.747	0.729	0.829	0.875	0.870	0.891	0.880		0.832	8.06
23)	t	Fluoranthene	1.115	1.132	1.310	1.384	1.364	1.384	1.337		1.289	9.03
24)	i	Chrysene-d12	ISTD									
25)	s	Pyrene-d10	0.812	0.840	0.904	0.951	0.937	0.962	0.944	0.964	0.914	6.37
26)	t	Pyrene	1.286	1.333	1.469	1.540	1.482	1.521	1.461		1.442	6.63
27)	t	Benz[a]anthracene	1.067	1.005	1.099	1.186	1.188	1.252	1.247		1.149	8.19
28)	t	Chrysene	1.161	1.180	1.245	1.296	1.237	1.267	1.232		1.231	3.82

Response Factor Report PAH 5

Method Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Method File : PAH0307PAH5.M
Title : PAH's by SIM
Last Update : Wed Mar 09 12:27:44 2016
Response Via : Initial Calibration

Calibration Files
10 =F503071616.D 20 =F503071617.D 100 =F503071618.D 200 =F503071619.D 500 =F503071620.D
1000=F503071621.D 2000=F503071622.D 5000=F503071623.D

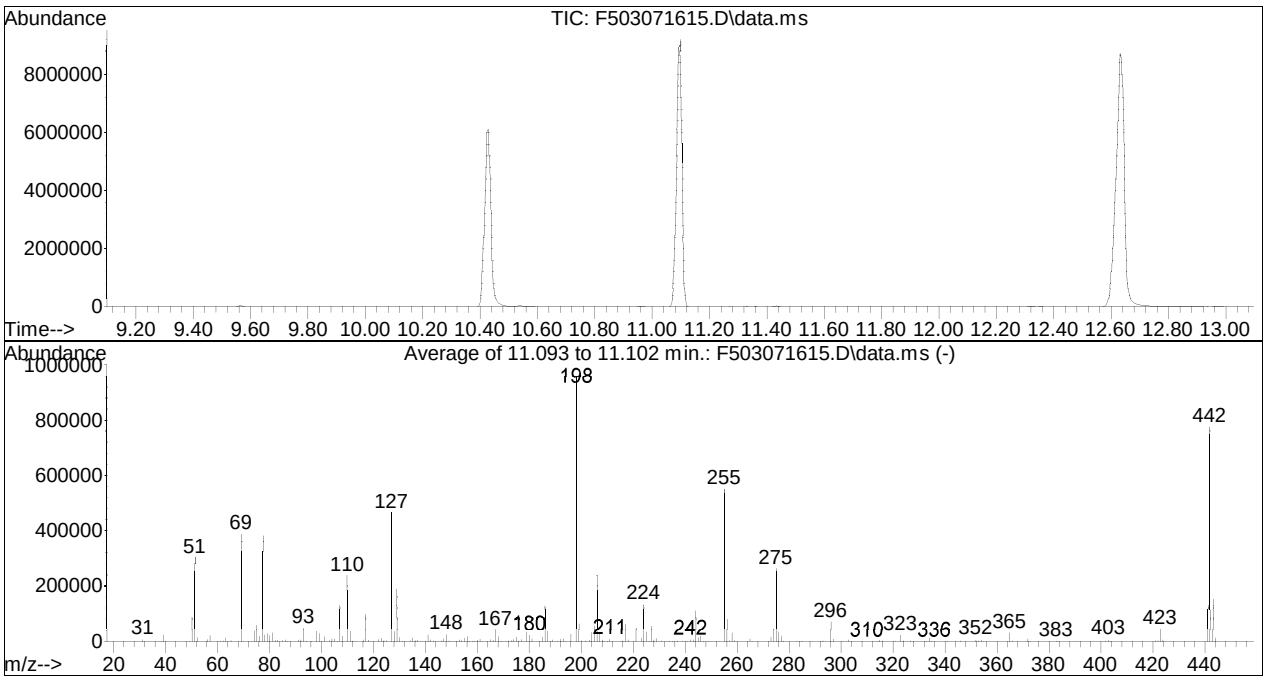
		Compound	10	20	100	200	500	1000	2000	5000	Avg	%RSD
29)	i	Perylene-d12	----------ISTD----------									
30)	s	Benzo(a)pyrene...	0.579	0.591	0.755	0.837	0.856	0.912	0.901	0.908	0.792	17.38
31)	s	Benzo[b]fluora...	0.733	0.750	0.846	0.908	0.890	0.945	0.919	0.903	0.862	9.21
32)	t	Benzo[b]fluora...	0.989	1.022	1.199	1.297	1.415	1.420	1.424		1.252	15.00
33)	t	Benzo[k]fluora...	0.948	1.002	1.190	1.273	1.124	1.210	1.144		1.127	10.26
34)	t	Benzo[e]pyrene	0.918	0.958	1.105	1.198	1.182	1.231	1.196		1.113	11.30
35)	t	Benzo[a]pyrene	0.870	0.953	1.195	1.275	1.278	1.329	1.315		1.173	15.83
36)	t	Perylene	1.124	1.192	1.303	1.352	1.285	1.336	1.306		1.271	6.51
37)	t	Indeno[1,2,3-c...	0.712	0.800	0.906	1.013	1.023	1.179	1.177		*L	0.9968
38)	t	Dibenz[a,h]ant...	0.773	0.872	1.014	1.126	1.111	1.195	1.185		*L	0.9992
39)	t	Benzo[g,h,i]pe...	0.889	0.975	1.096	1.189	1.168	1.246	1.227		1.113	12.10

(#) = Out of Range

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071615.D
Acq On : 8 Mar 2016 12:43 am
Operator : PAH5:sf
Sample : T503071601
Misc : WG872128,MSAI06
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Title : PAH's by SIM
Last Update : Wed Mar 09 12:27:44 2016



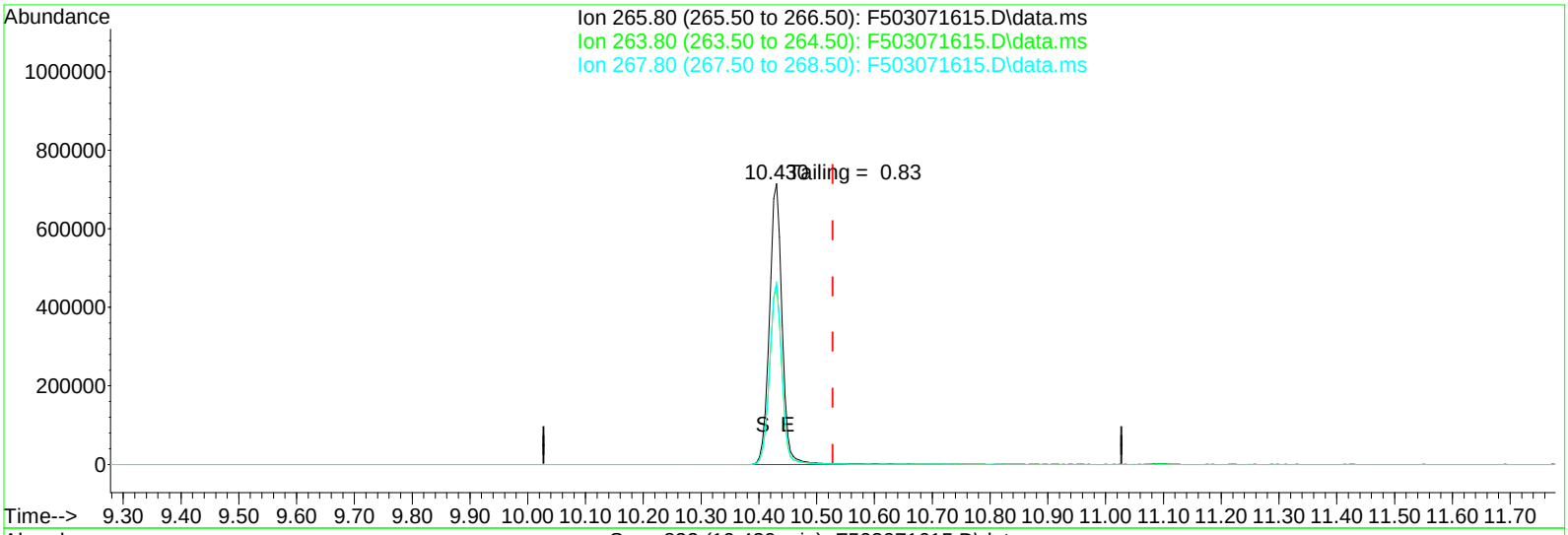
AutoFind: Scans 968, 969, 970; Background Corrected with Scan 958

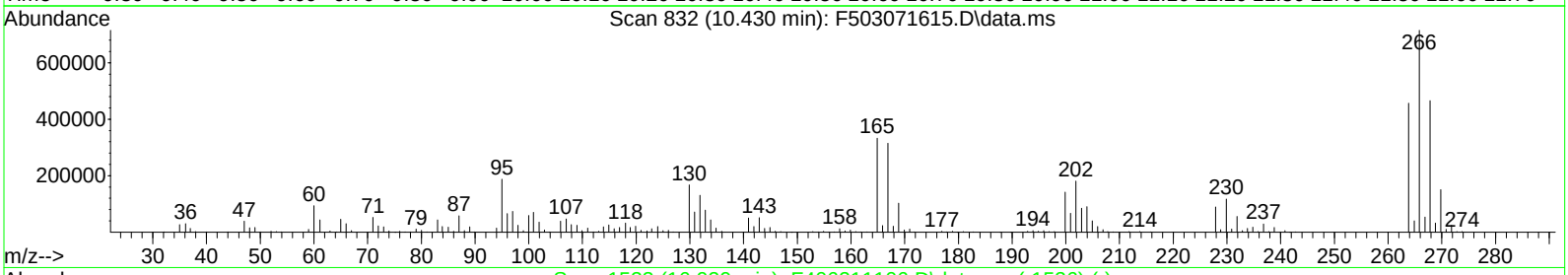
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	31.8	303573	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.5	1828	PASS
127	198	10	80	48.9	465899	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	953323	PASS
199	198	5	9	6.7	63536	PASS
275	198	10	60	27.6	263552	PASS
365	198	1	100	3.3	31760	PASS
441	442	0.01	24	16.6	128725	PASS
442	198	50	100	81.3	774613	PASS
443	442	15	24	19.6	151936	PASS

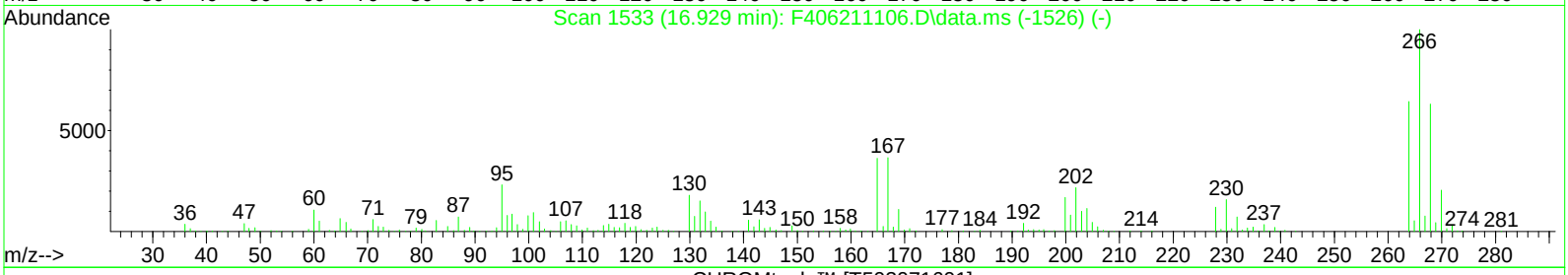
Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071615.D
Acq On : 8 Mar 2016 12:43 am
Operator : PAH5:sf
Sample : T503071601
Misc : WG872128,MSAI06
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 09 13:24:57 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\DFTPPPAH5.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 23 11:29:26 2016
Response via : Initial Calibration







CHROMtools™ [T503071601]

(1) Pentachlorophenol (MC)

10.430min (-0.097) 20.47 ug/mL

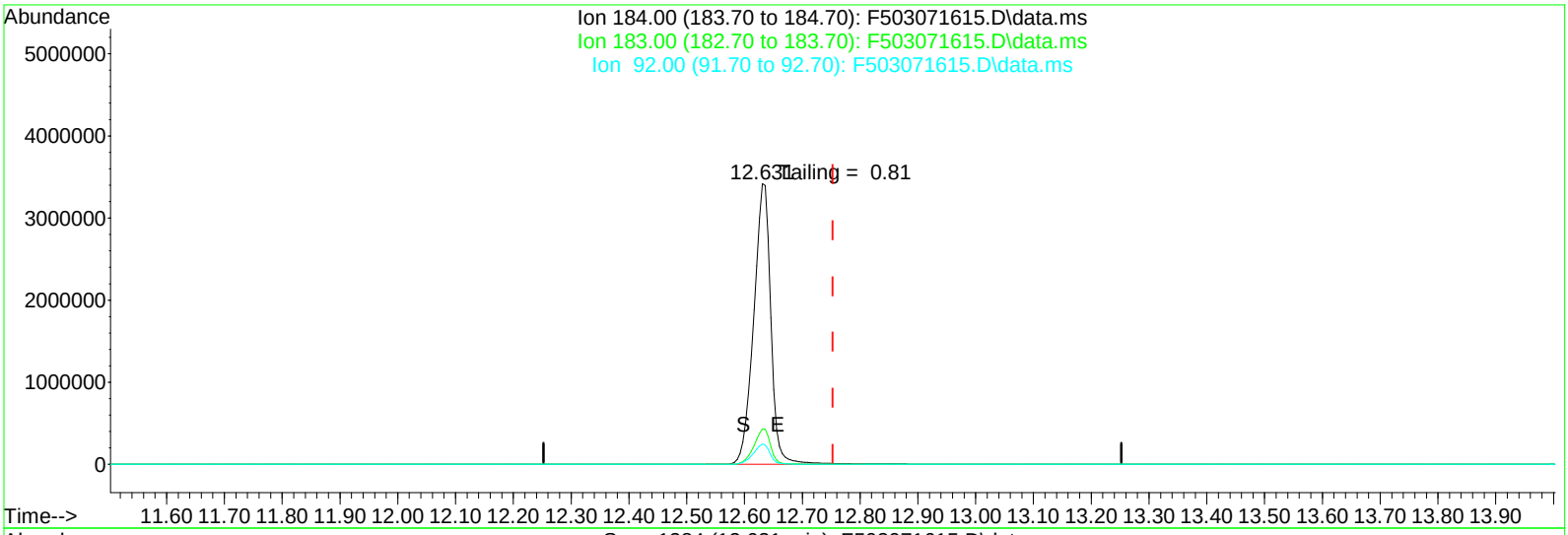
response 1071348

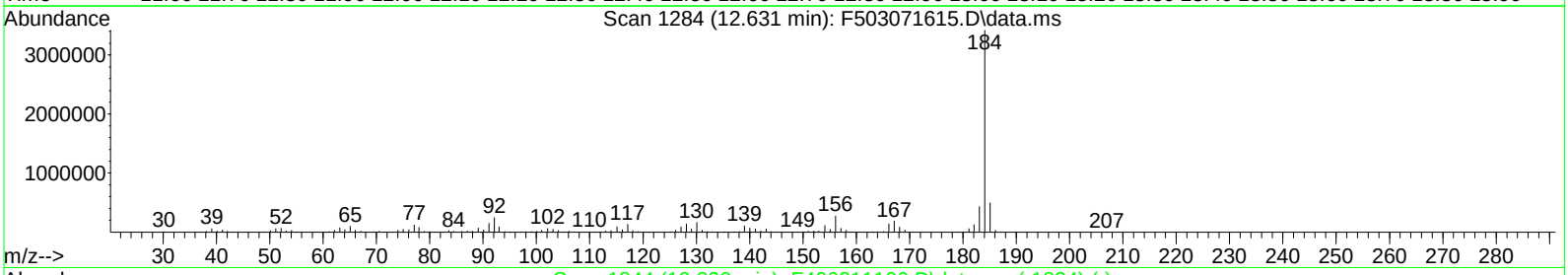
Ion	Exp%	Act%
265.80	100	100
263.80	65.20	63.14
267.80	63.60	64.10
0.00	0.00	0.00

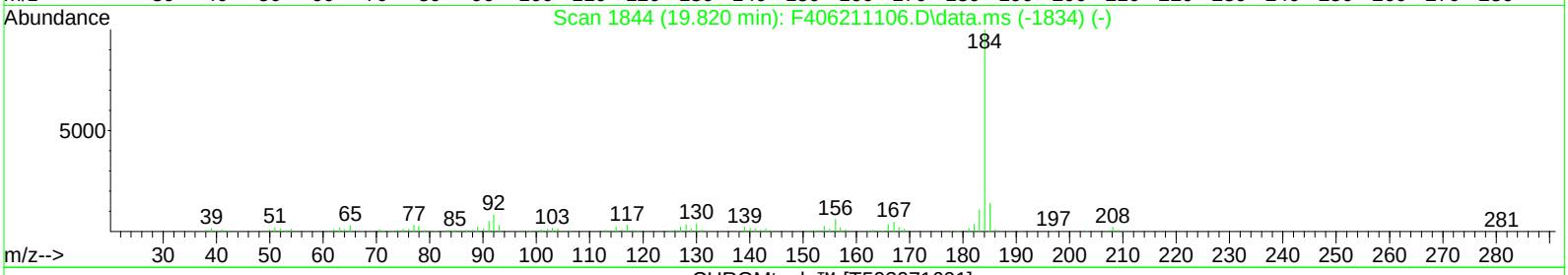
Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071615.D
Acq On : 8 Mar 2016 12:43 am
Operator : PAH5:sf
Sample : T503071601
Misc : WG872128,MSAI06
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 09 13:24:57 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\DFTPPPAH5.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 23 11:29:26 2016
Response via : Initial Calibration







CHROMtools™ [T503071601]

(3) Benzidine (T)

12.631min (-0.122) 87.19 ug/mL

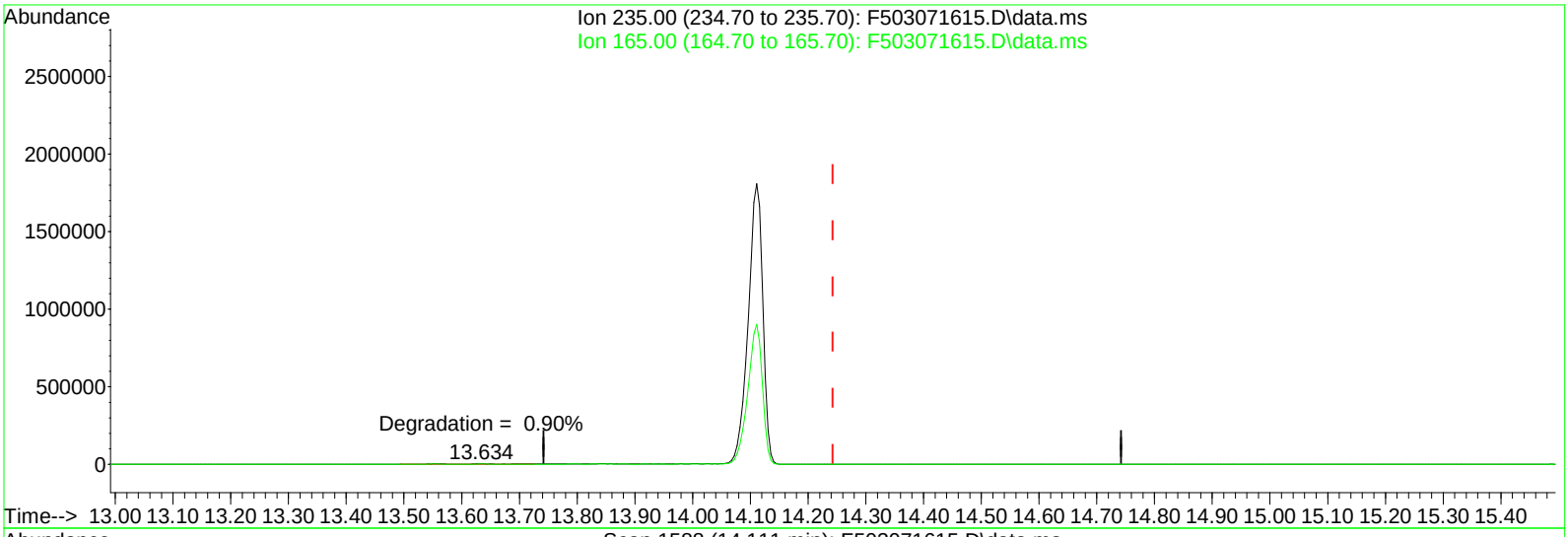
response 7093807 ~4 x >CAL (25)

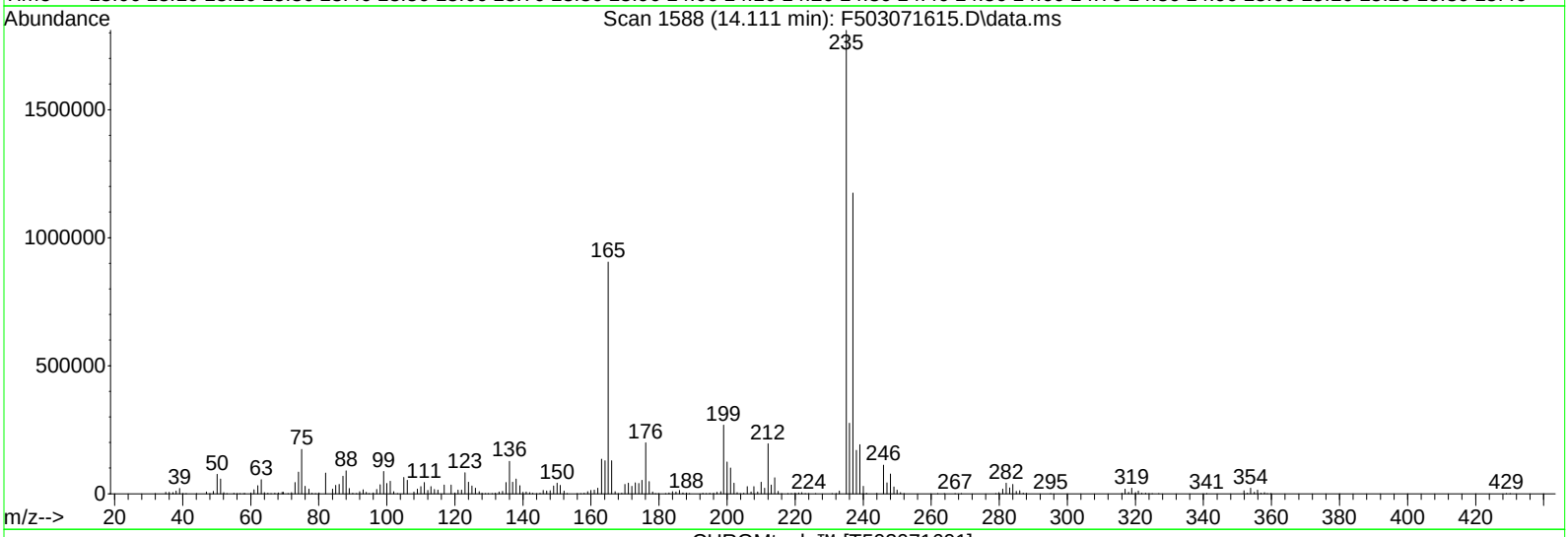
Ion	Exp%	Act%
184.00	100	100
183.00	12.60	12.32
92.00	9.90	7.16#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071615.D
Acq On : 8 Mar 2016 12:43 am
Operator : PAH5:sf
Sample : T503071601
Misc : WG872128,MSAI06
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 09 13:24:57 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\DFTPPPAH5.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 23 11:29:26 2016
Response via : Initial Calibration





CHROMtools™ [T503071601]

(4) DDT ( )

14.111min (-0.131) 0.00

response 3210148

Ion	Exp%	Act%
235.00	100	100
165.00	47.40	49.78
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071616.D
Acq On : 8 Mar 2016 1:11 am
Operator : PAH5:sf
Sample : I503071601
Misc : WG872128,MSAI16
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 09 13:17:59 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.816	136	161509	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.566	164	78032	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.014	188	152902	500.000	ng/mL	0.00
24) Chrysene-d12	14.326	240	145254	500.000	ng/mL	0.00
29) Perylene-d12	16.780	264	132450	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.495	152	1715M4	9.334	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 0.19%#			
18) Fluoranthene-d10	12.274	212	2691	8.803	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 1.76%#			
25) Pyrene-d10	12.551	212	2358	8.878	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 0.18%#			
30) Benzo(a)pyrene-d12	16.638	264	1533	7.304	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 1.46%#			
31) Benzo[b]fluoranthene-d12	16.093	264	1943	8.510	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 0.17%#			
Target Compounds						Qvalue
2) Naphthalene	7.837	128	3316	9.650	ng/mL	99
3) 1,4-Dichlorobenzene	6.563	146	1595	9.556	ng/mL	84
5) 2-Methylnaphthalene	8.524	142	2117	9.250	ng/mL	95
6) 1-Methylnaphthalene	8.630	142	2024M4	9.264	ng/mL	
8) Dibenzothiophene	10.912	184	3398	9.213	ng/mL	100
9) 2-Chloronaphthalene	9.005	162	2234	9.225	ng/mL	99
10) Biphenyl	8.991	154	2689	9.422	ng/mL	98
11) 2,6-Dimethylnaphthalene	9.139	156	1782	9.018	ng/mL	96
12) Acenaphthylene	9.416	152	2853	9.532	ng/mL#	80
13) Acenaphthene	9.597	153	2163	9.532	ng/mL	99
14) Dibenzofuran	9.755	168	3026	9.417	ng/mL	100
15) Fluorene	10.093	166	2255	9.037	ng/mL	95
16) 2,3,5-Trimethylnaphthalen	9.967	170	1581M4	8.971	ng/mL	
19) Phenanthrene	11.030	178	3761	10.043	ng/mL	99
20) Anthracene	11.077	178	2998	8.633	ng/mL	96
21) Carbazole	11.235	167	2966	8.887	ng/mL#	88
22) 1-Methylphenanthrene	11.660	192	2284	8.981	ng/mL	95
23) Fluoranthene	12.298	202	3411	8.650	ng/mL#	92
26) Pyrene	12.574	202	3737	8.922	ng/mL#	90
27) Benz[a]anthracene	14.294	228	3100	9.286	ng/mL	98

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071616.D
Acq On : 8 Mar 2016 1:11 am
Operator : PAH5:sf
Sample : I503071601
Misc : WG872128,MSAI16
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 09 13:17:59 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Chrysene	14.365	228	3373	9.430	ng/mL	98
32) Benzo[b]fluoranthene	16.133	252	2619	7.896	ng/mL#	87
33) Benzo[k]fluoranthene	16.172	252	2512	8.411	ng/mL#	84
34) Benzo[e]pyrene	16.598	252	2433	8.254	ng/mL#	82
35) Benzo[a]pyrene	16.677	252	2304M4	7.412	ng/mL	
36) Perylene	16.819	252	2978M4	8.843	ng/mL	
37) Indeno[1,2,3-cd]pyrene	18.713	276	1886M4	12.646	ng/mL	
38) Dibenz[a,h]anthracene	18.760	278	2049	11.457	ng/mL#	87
39) Benzo[g,h,i]perylene	19.250	276	2354	7.986	ng/mL	99

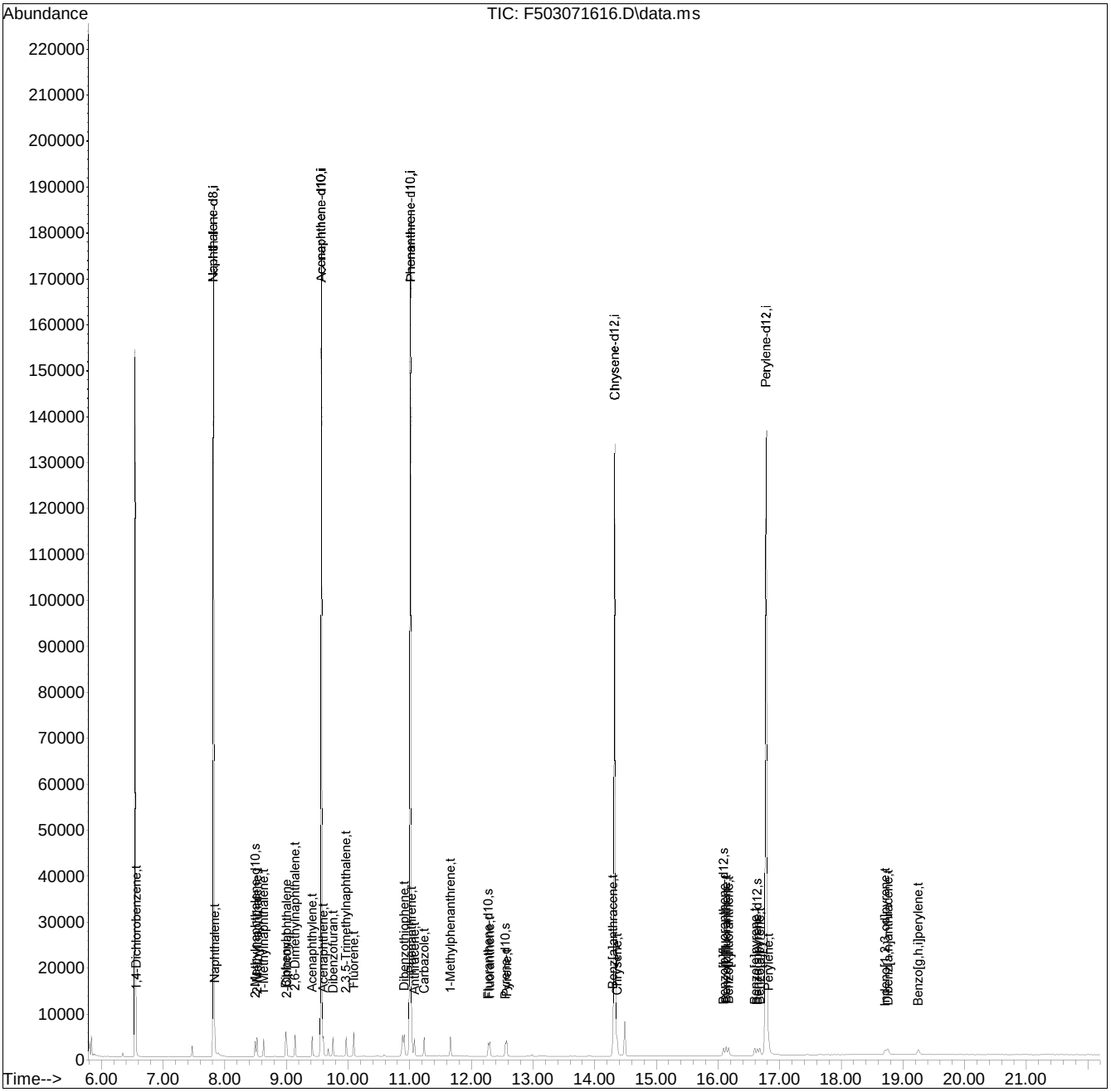
(#) = qualifier out of range (m) = manual integration (+) = signals summed

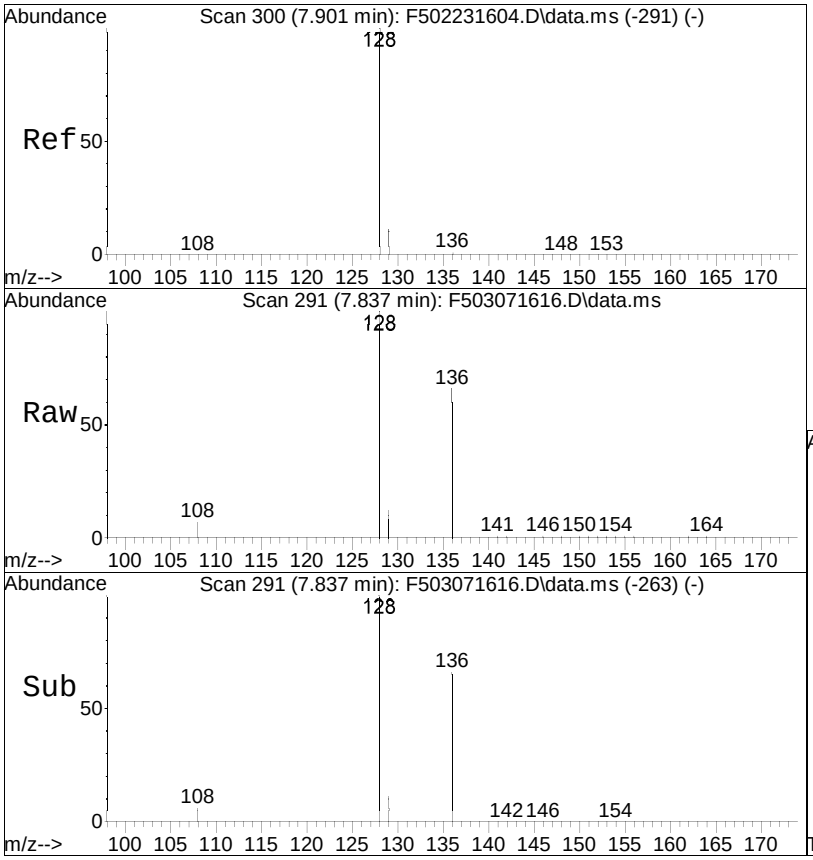
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071616.D
Acq On : 8 Mar 2016 1:11 am
Operator : PAH5:sf
Sample : I503071601
Misc : WG872128,MSAI16
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 09 13:17:59 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

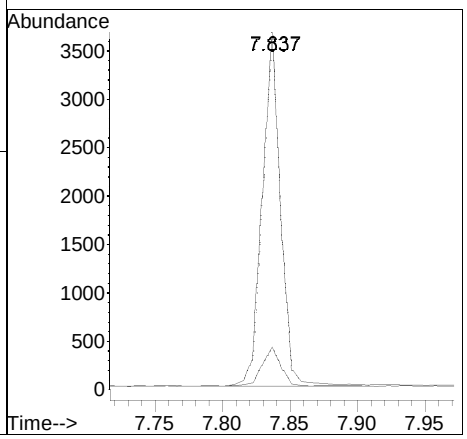


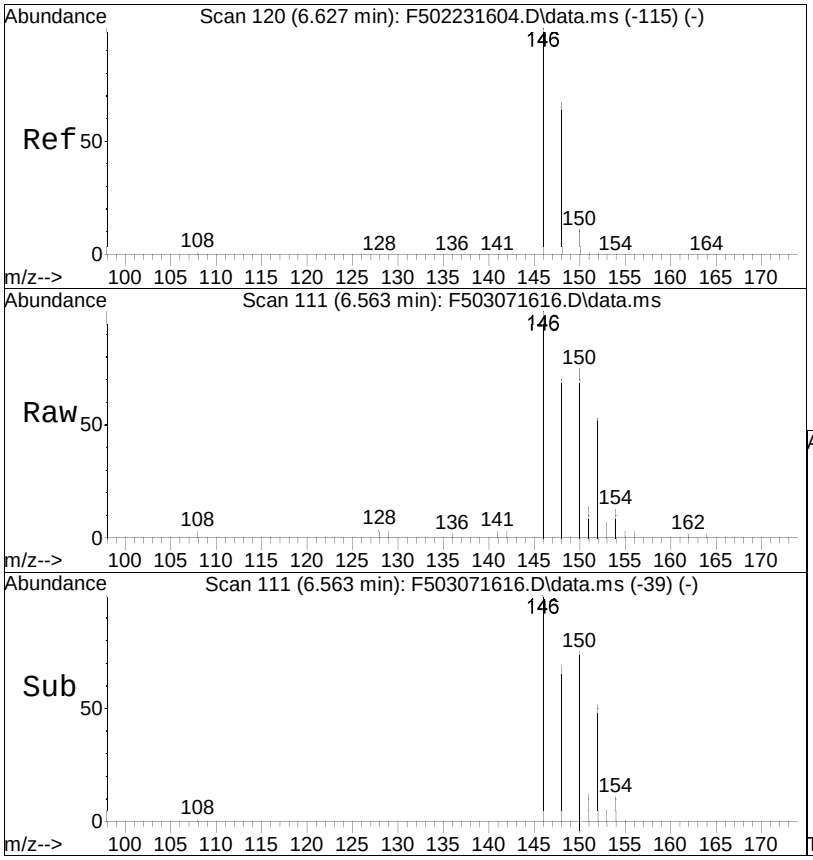


#2
Naphthalene
Concen: 9.65 ng/mL
RT: 7.837 min Scan# 291
Delta R.T. -0.000 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:128 Resp: 3316

Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.2	13.8

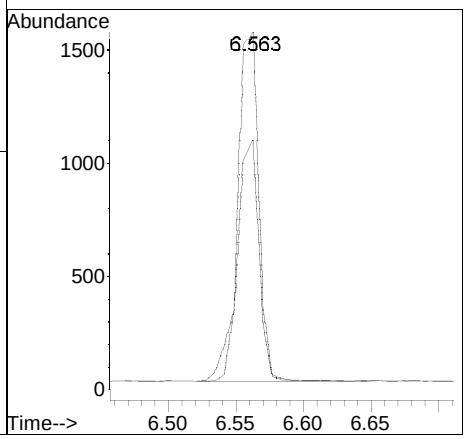


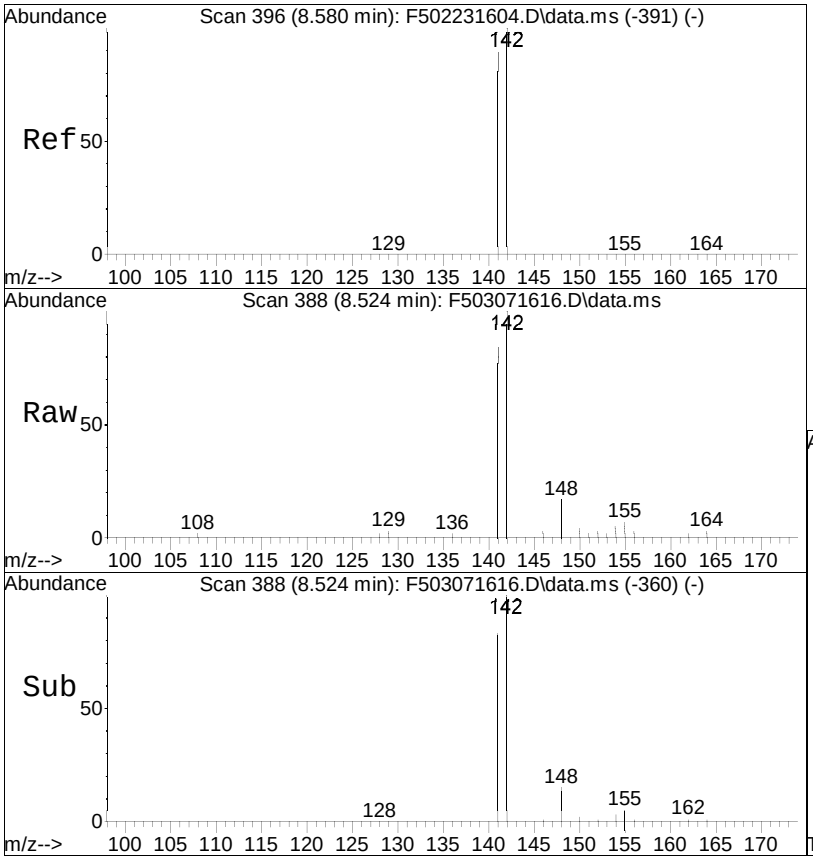


#3
1,4-Dichlorobenzene
Concen: 9.56 ng/mL
RT: 6.563 min Scan# 111
Delta R.T. 0.007 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:146 Resp: 1595

Ion	Ratio	Lower	Upper
146	100		
148	75.1	50.2	75.4

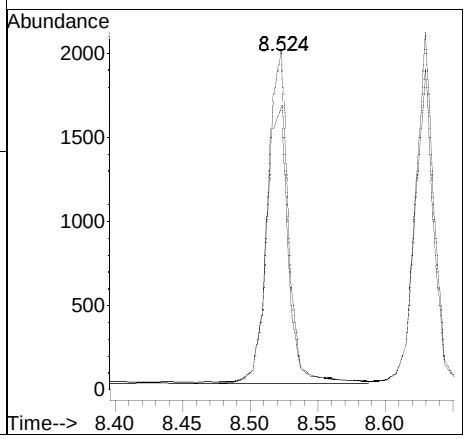


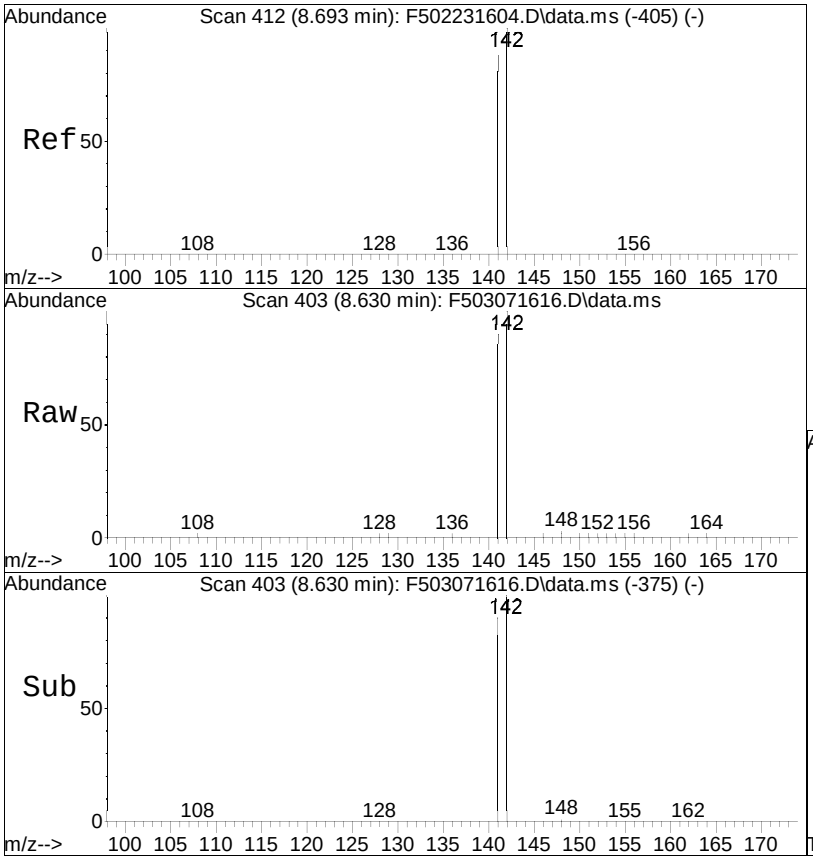


#5
2-Methylnaphthalene
Concen: 9.25 ng/mL
RT: 8.524 min Scan# 388
Delta R.T. -0.000 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:142 Resp: 2117

Ion	Ratio	Lower	Upper
142	100		
141	84.0	70.9	106.3

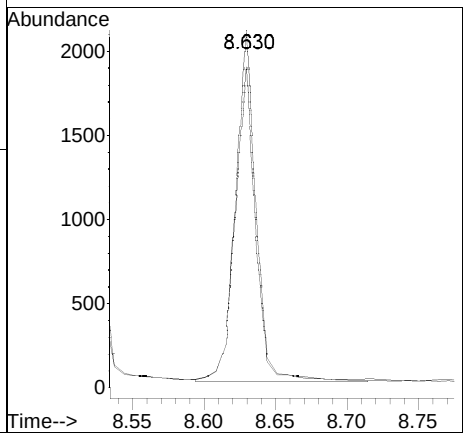


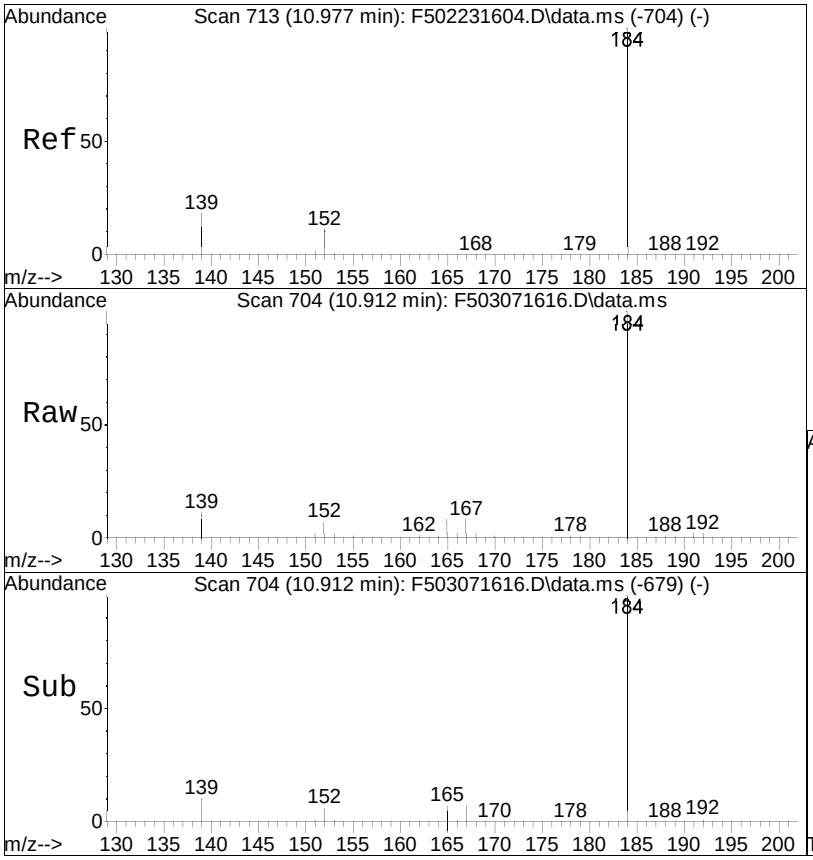


#6
1-Methylnaphthalene
Concen: 9.26 ng/mL M4
RT: 8.630 min Scan# 403
Delta R.T. -0.000 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:142 Resp: 2024

Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.9	107.9

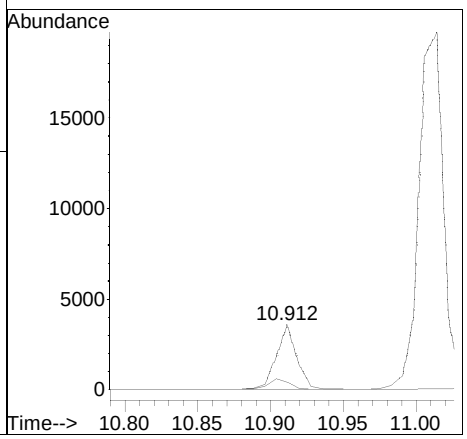


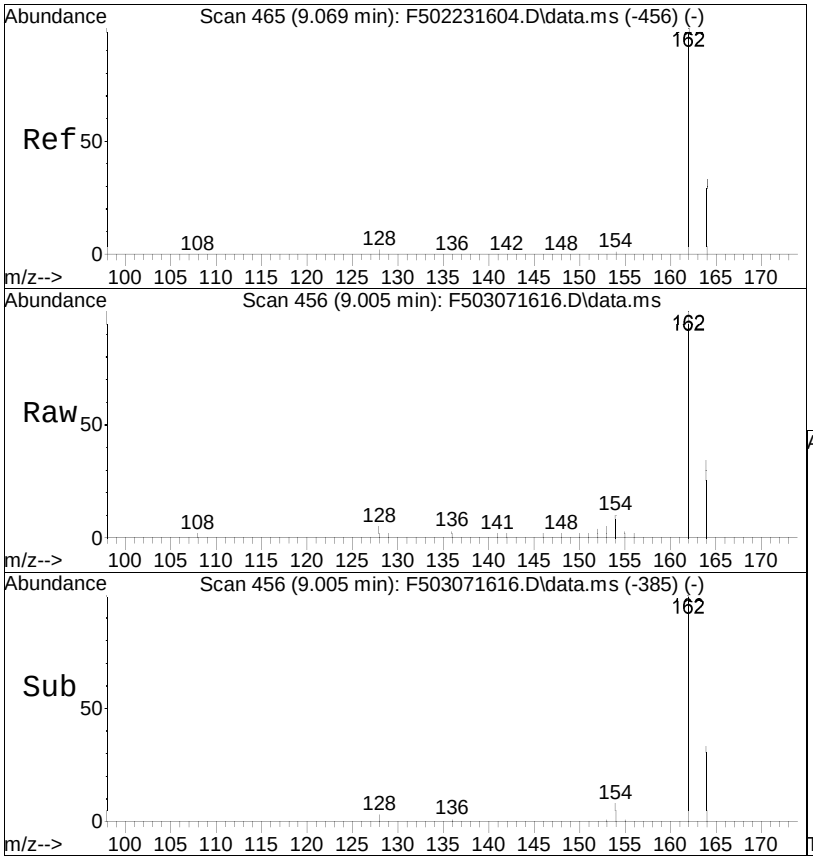


#8
Dibenzothiophene
Concen: 9.21 ng/mL
RT: 10.912 min Scan# 704
Delta R.T. -0.000 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:184 Resp: 3398

Ion	Ratio	Lower	Upper
184	100		
139	11.3	9.0	13.4

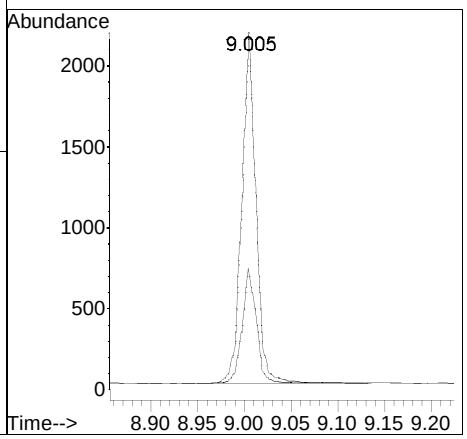


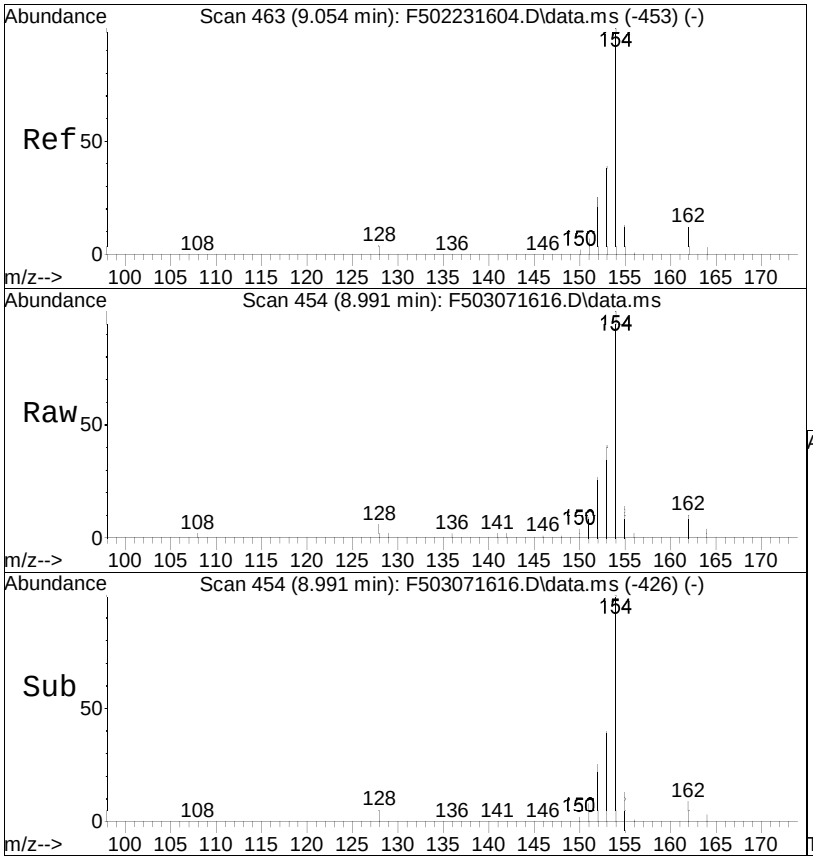


#9
2-Chloronaphthalene
Concen: 9.22 ng/mL
RT: 9.005 min Scan# 456
Delta R.T. -0.000 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:162 Resp: 2234

Ion	Ratio	Lower	Upper
162	100		
164	33.3	26.2	39.4

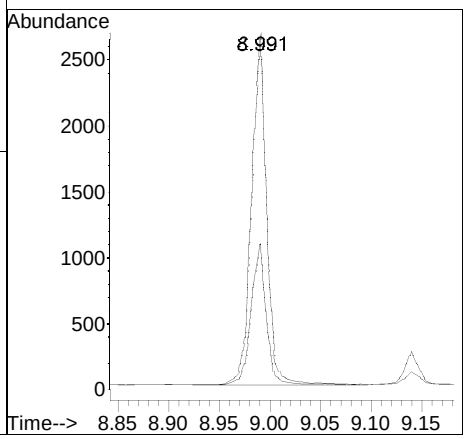


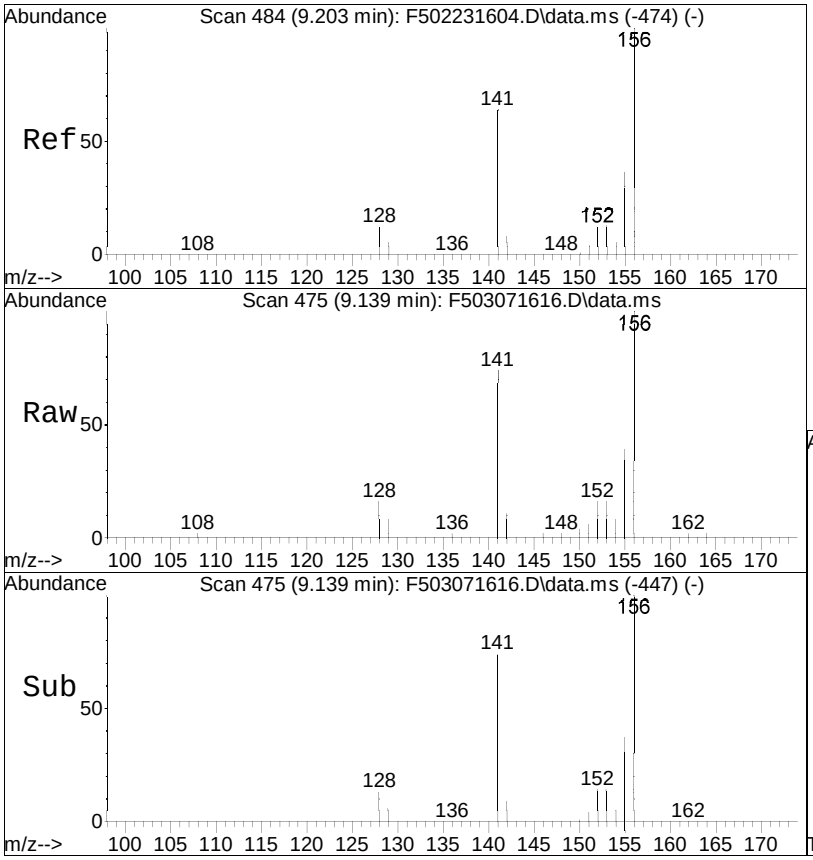


#10
Biphenyl
Concen: 9.42 ng/mL
RT: 8.991 min Scan# 454
Delta R.T. -0.000 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:154 Resp: 2689

Ion	Ratio	Lower	Upper
154	100		
153	41.1	33.7	50.5

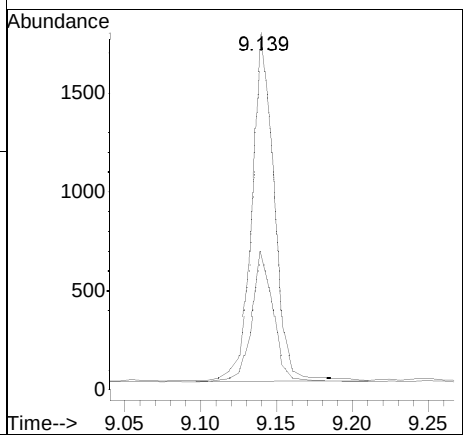


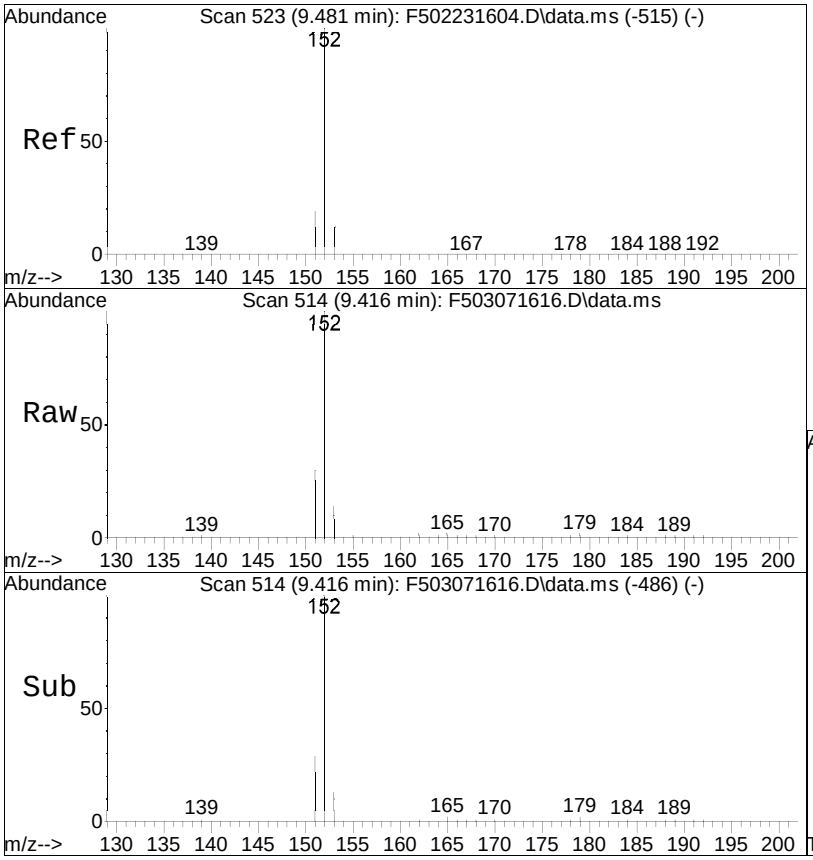


#11
2,6-Dimethylnaphthalene
Concen: 9.02 ng/mL
RT: 9.139 min Scan# 475
Delta R.T. -0.000 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:156 Resp: 1782

Ion	Ratio	Lower	Upper
156	100		
155	38.8	29.2	43.8

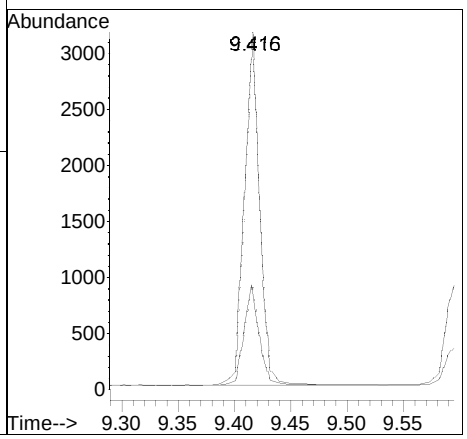


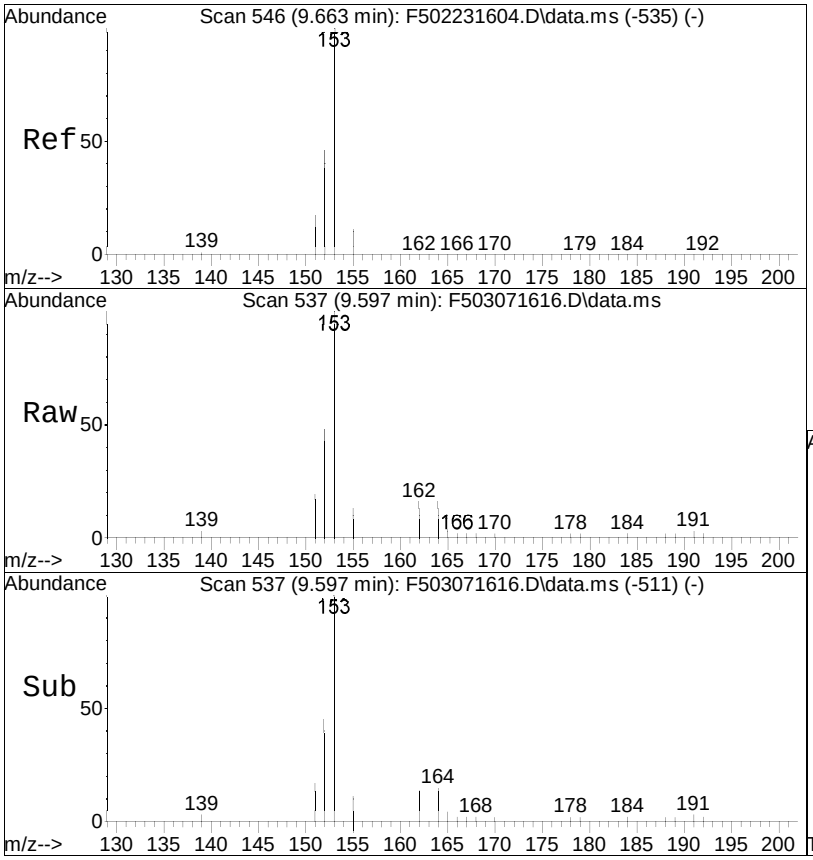


#12
Acenaphthylene
Concen: 9.53 ng/mL
RT: 9.416 min Scan# 514
Delta R.T. 0.000 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:152 Resp: 2853

Ion	Ratio	Lower	Upper
152	100		
151	29.5	16.1	24.1#

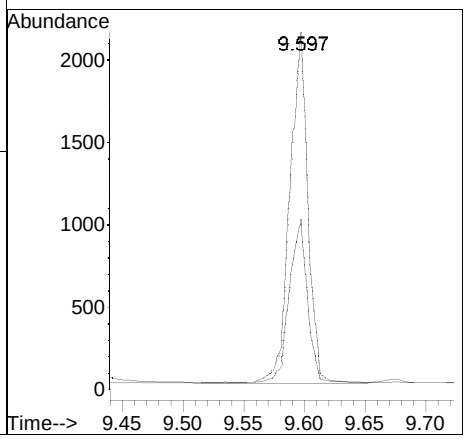


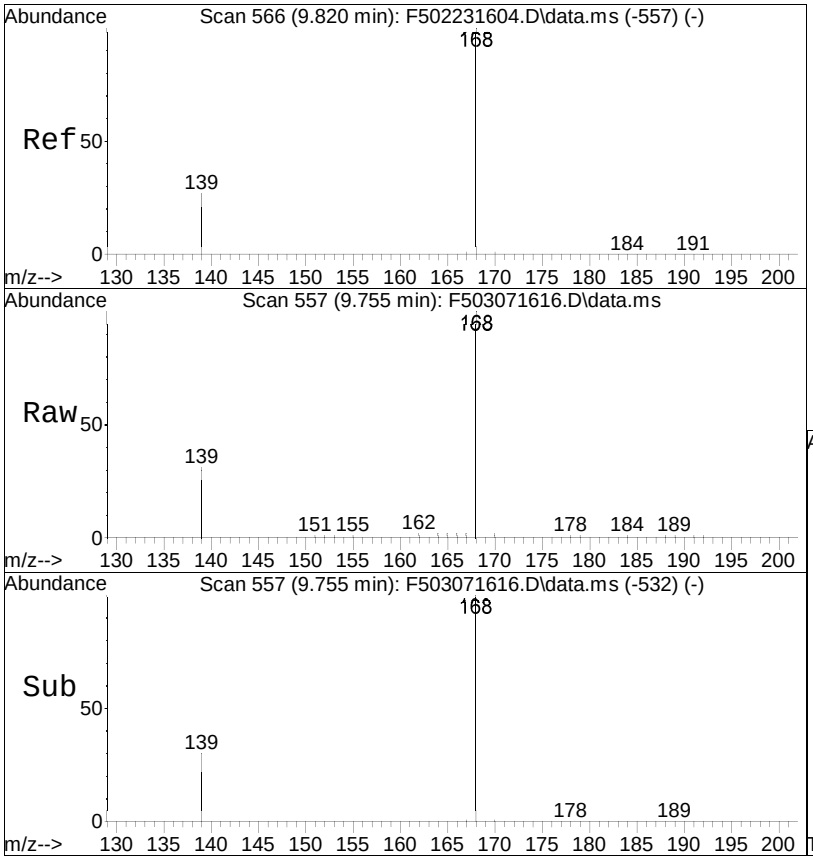


#13
Acenaphthene
Concen: 9.53 ng/mL
RT: 9.597 min Scan# 537
Delta R.T. -0.000 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:153 Resp: 2163

Ion	Ratio	Lower	Upper
153	100		
152	47.6	37.8	56.8

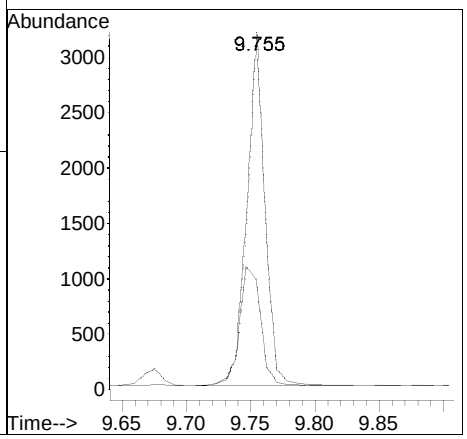


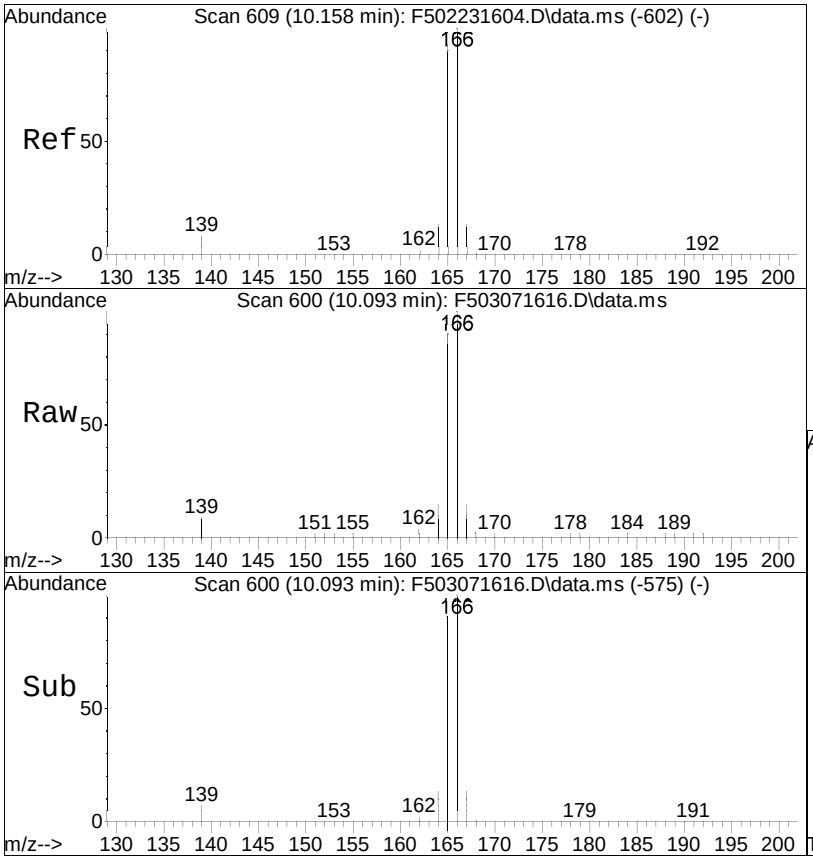


#14
Dibenzofuran
Concen: 9.42 ng/mL
RT: 9.755 min Scan# 557
Delta R.T. -0.000 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:168 Resp: 3026

Ion	Ratio	Lower	Upper
168	100		
139	30.8	24.6	37.0

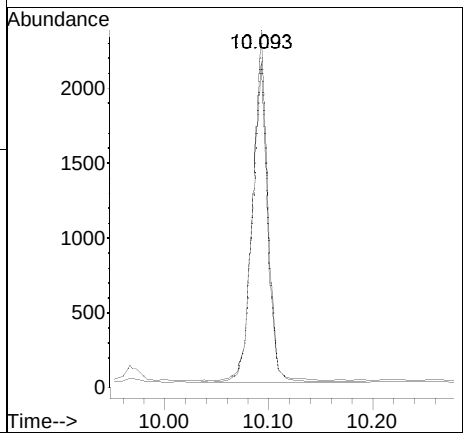


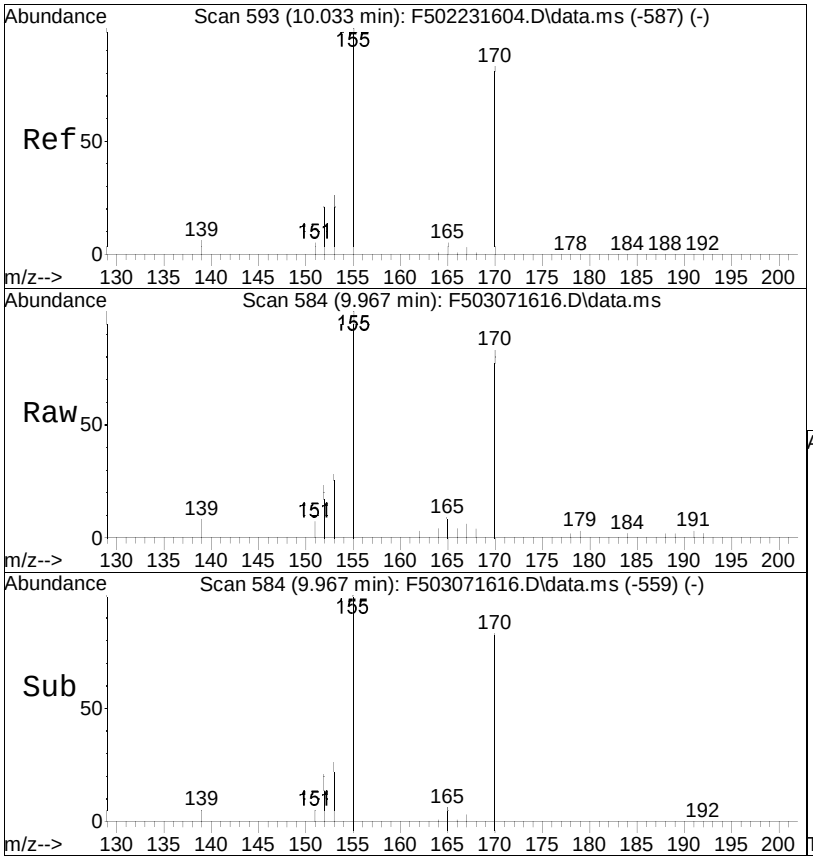


#15
Fluorene
Concen: 9.04 ng/mL
RT: 10.093 min Scan# 600
Delta R.T. -0.000 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:166 Resp: 2255

Ion	Ratio	Lower	Upper
166	100		
165	91.4	77.3	115.9

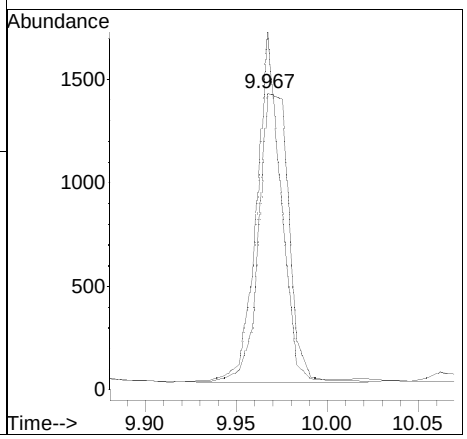


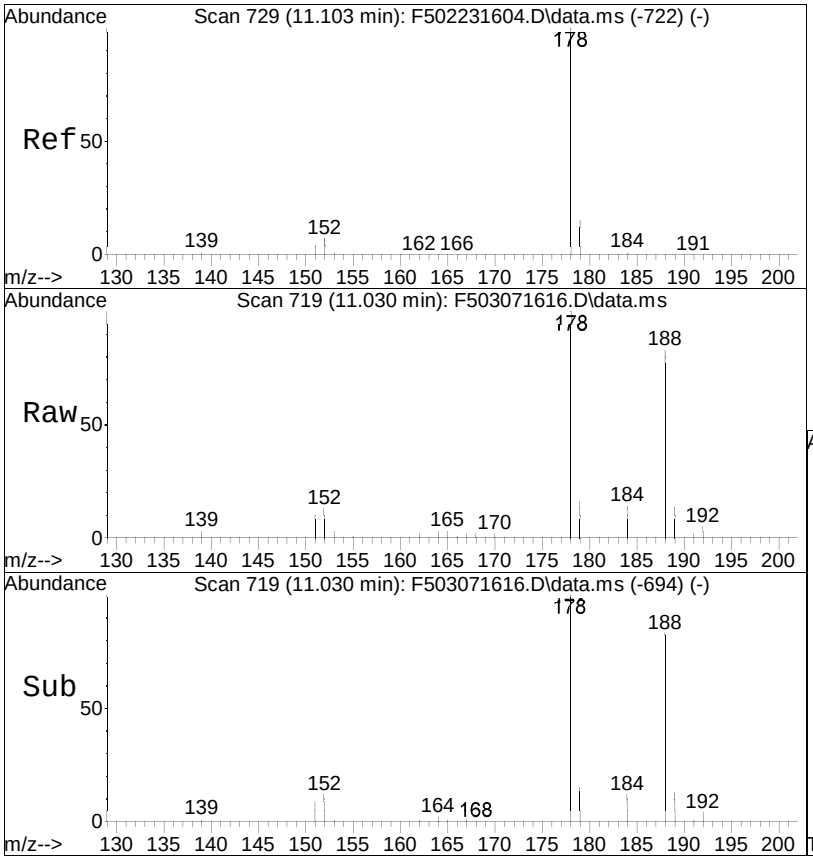


#16
2,3,5-Trimethylnaphthalene
Concen: 8.97 ng/mL M4
RT: 9.967 min Scan# 584
Delta R.T. -0.000 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:170 Resp: 1581

Ion	Ratio	Lower	Upper
170	100		
155	1.3	77.5	116.3#

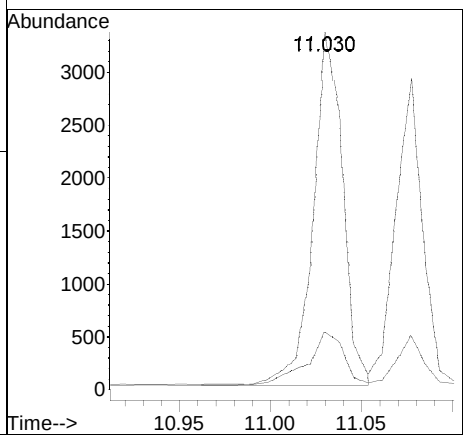


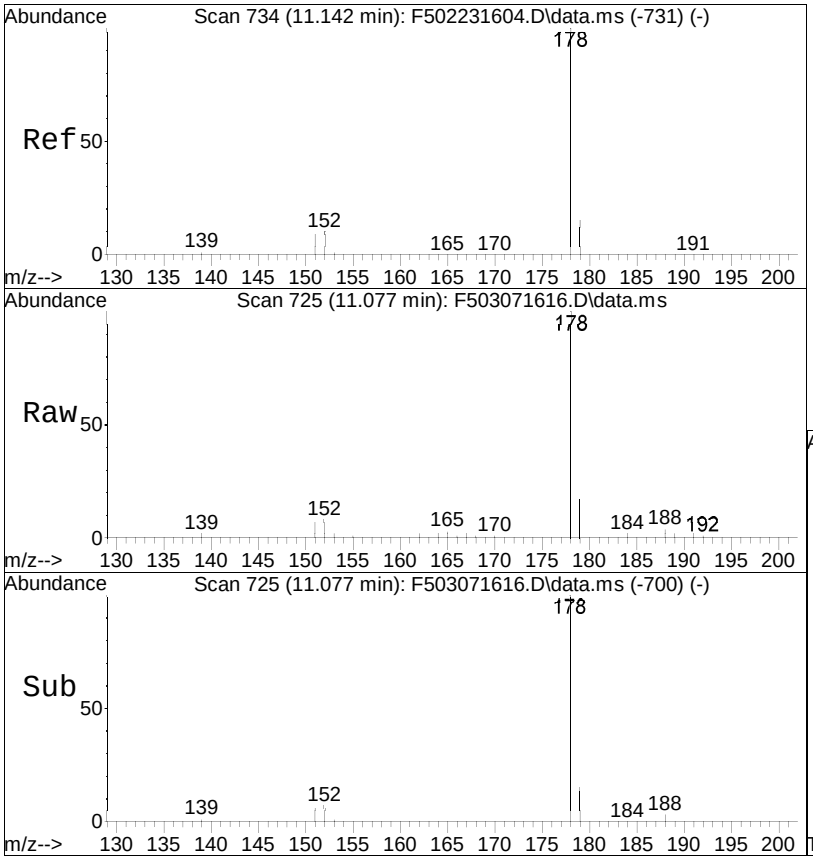


#19
Phenanthrene
Concen: 10.04 ng/mL
RT: 11.030 min Scan# 719
Delta R.T. -0.000 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:178 Resp: 3761

Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.4	18.6

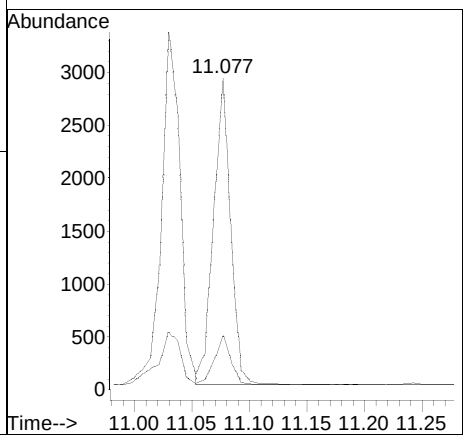


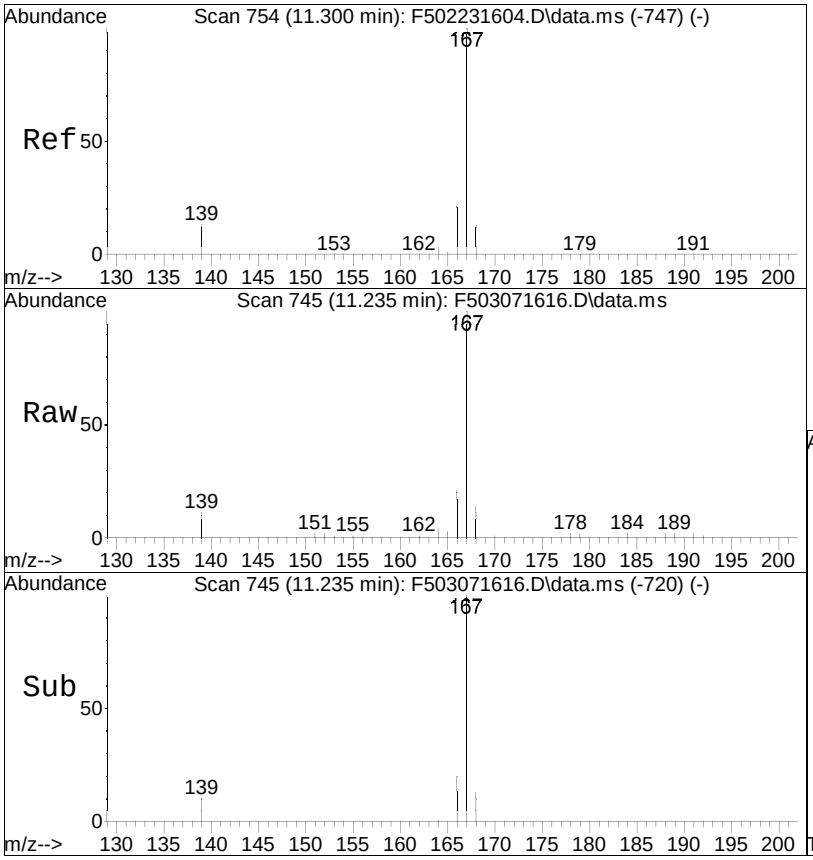


#20
Anthracene
Concen: 8.63 ng/mL
RT: 11.077 min Scan# 725
Delta R.T. 0.000 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:178 Resp: 2998

Ion	Ratio	Lower	Upper
178	100		
179	17.5	12.6	19.0

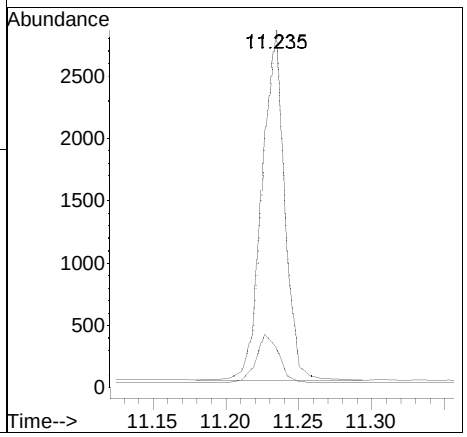


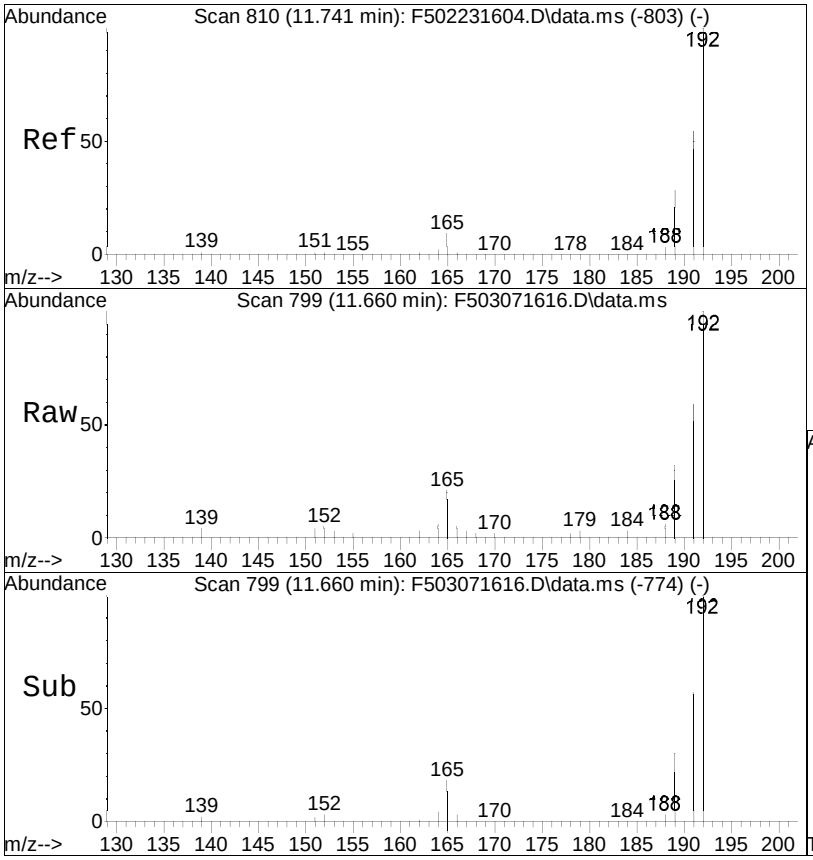


#21
Carbazole
Concen: 8.89 ng/mL
RT: 11.235 min Scan# 745
Delta R.T. -0.000 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:167 Resp: 2966

Ion	Ratio	Lower	Upper
167	100		
139	11.5	13.4	20.0#

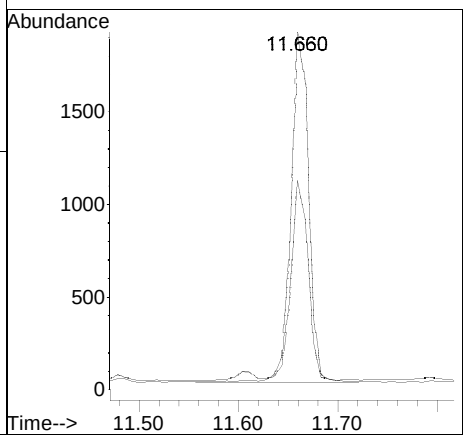


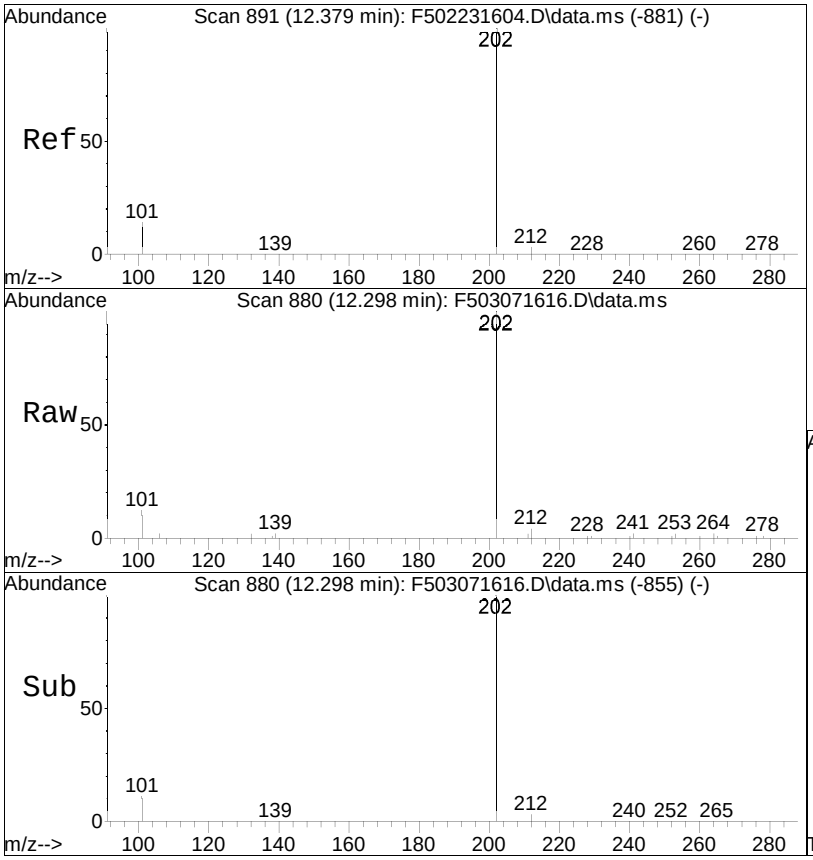


#22
1-Methylphenanthrene
Concen: 8.98 ng/mL
RT: 11.660 min Scan# 799
Delta R.T. -0.000 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:192 Resp: 2284

Ion	Ratio	Lower	Upper
192	100		
191	58.7	44.2	66.4

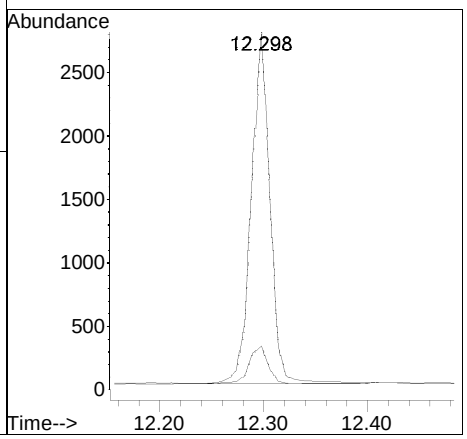


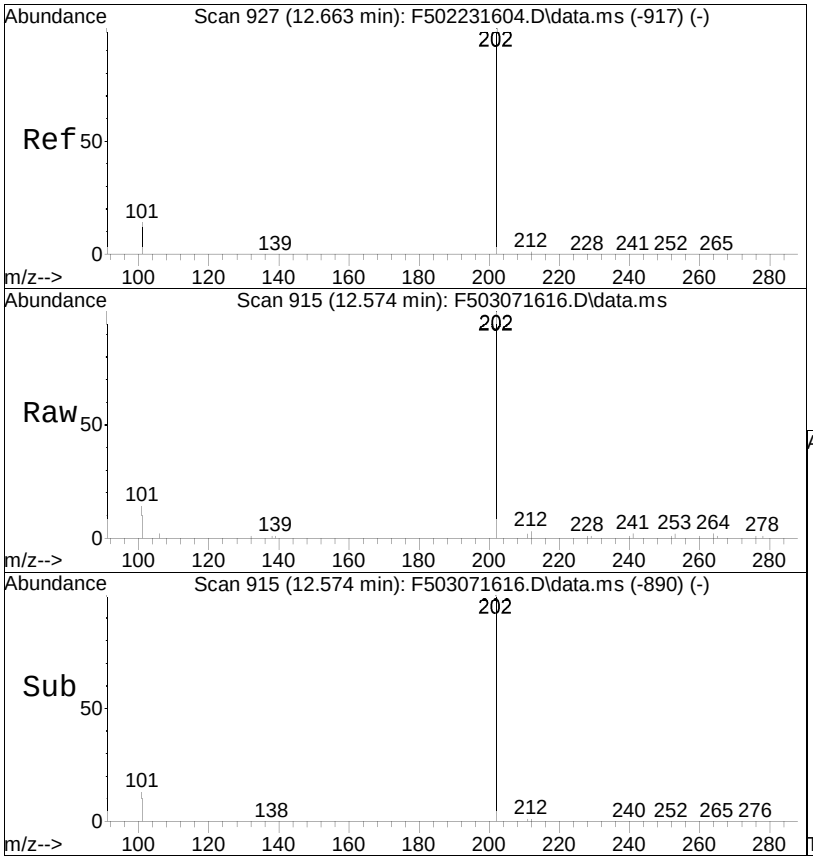


#23
Fluoranthene
Concen: 8.65 ng/mL
RT: 12.298 min Scan# 880
Delta R.T. 0.000 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:202 Resp: 3411

Ion	Ratio	Lower	Upper
202	100		
101	12.3	12.6	19.0#

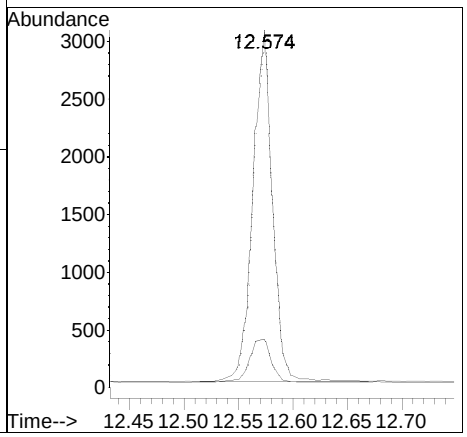


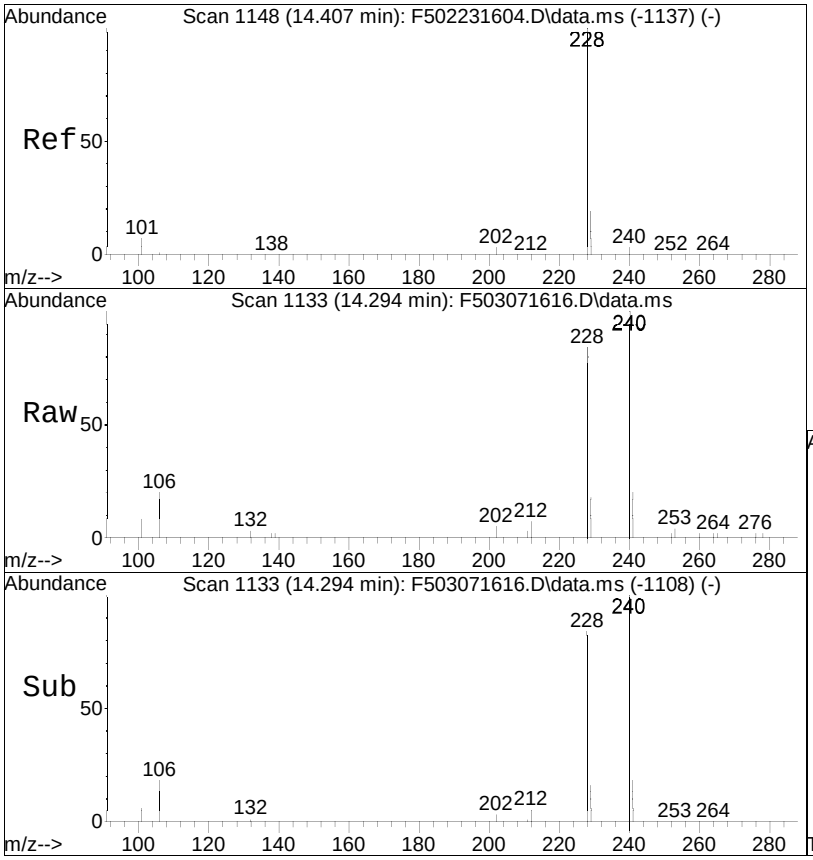


#26
Pyrene
Concen: 8.92 ng/mL
RT: 12.574 min Scan# 915
Delta R.T. 0.000 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:202 Resp: 3737

Ion	Ratio	Lower	Upper
202	100		
101	13.7	14.4	21.6#

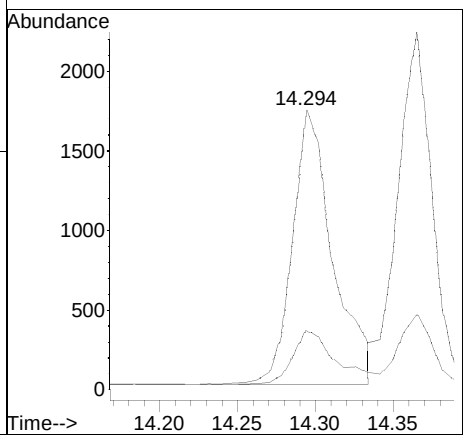


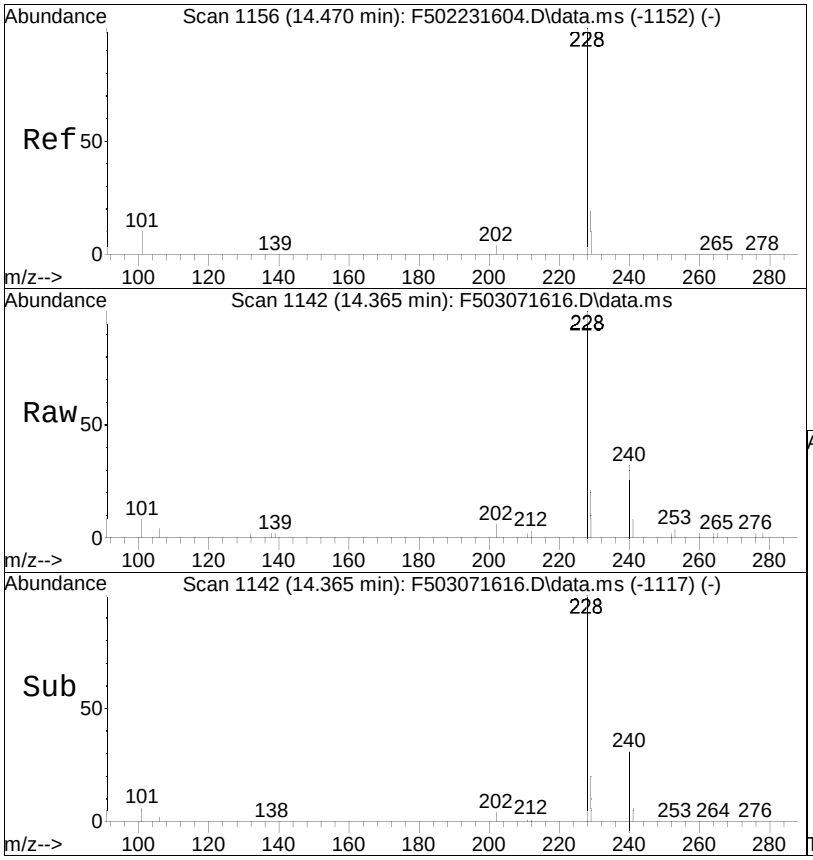


#27
Benz[a]anthracene
Concen: 9.29 ng/mL
RT: 14.294 min Scan# 1133
Delta R.T. -0.001 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:228 Resp: 3100

Ion	Ratio	Lower	Upper
228	100		
229	21.3	16.2	24.2

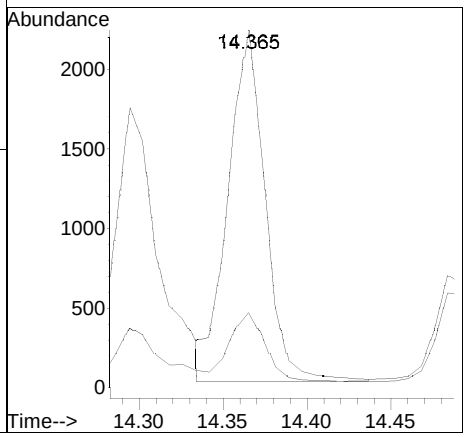


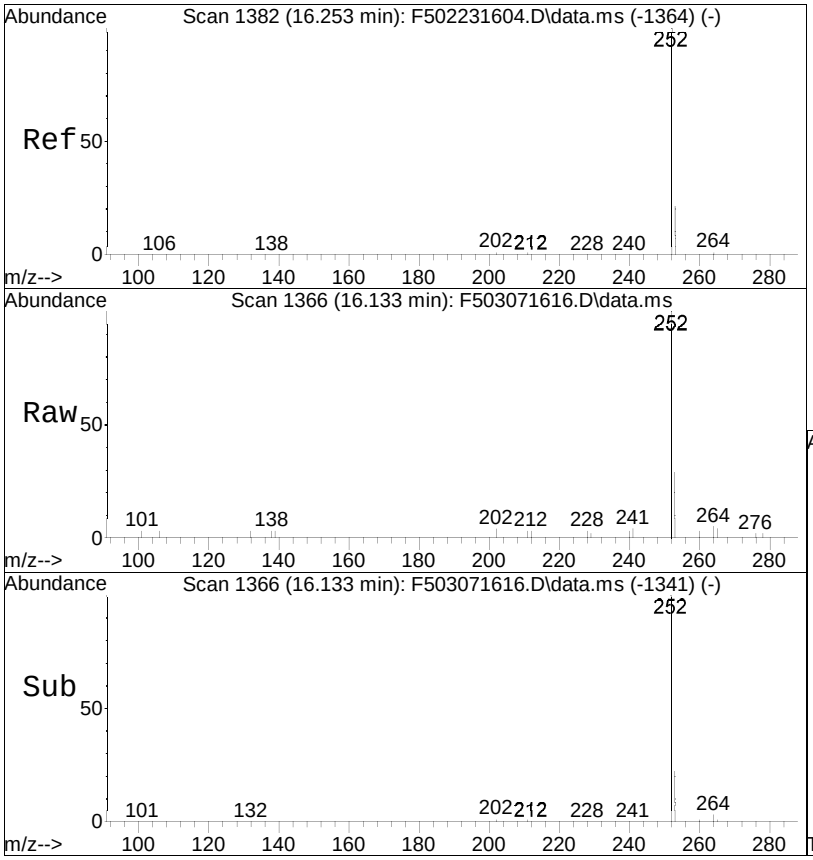


#28
Chrysene
Concen: 9.43 ng/mL
RT: 14.365 min Scan# 1142
Delta R.T. -0.001 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:228 Resp: 3373

Ion	Ratio	Lower	Upper
228	100		
229	21.1	16.1	24.1

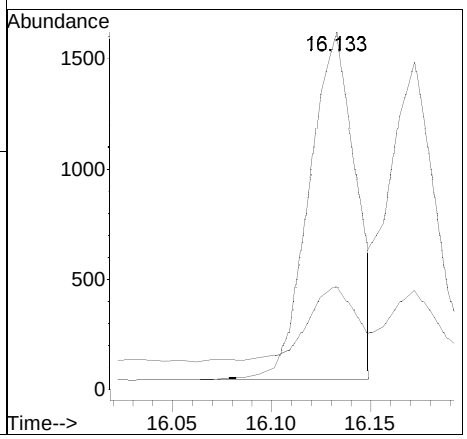


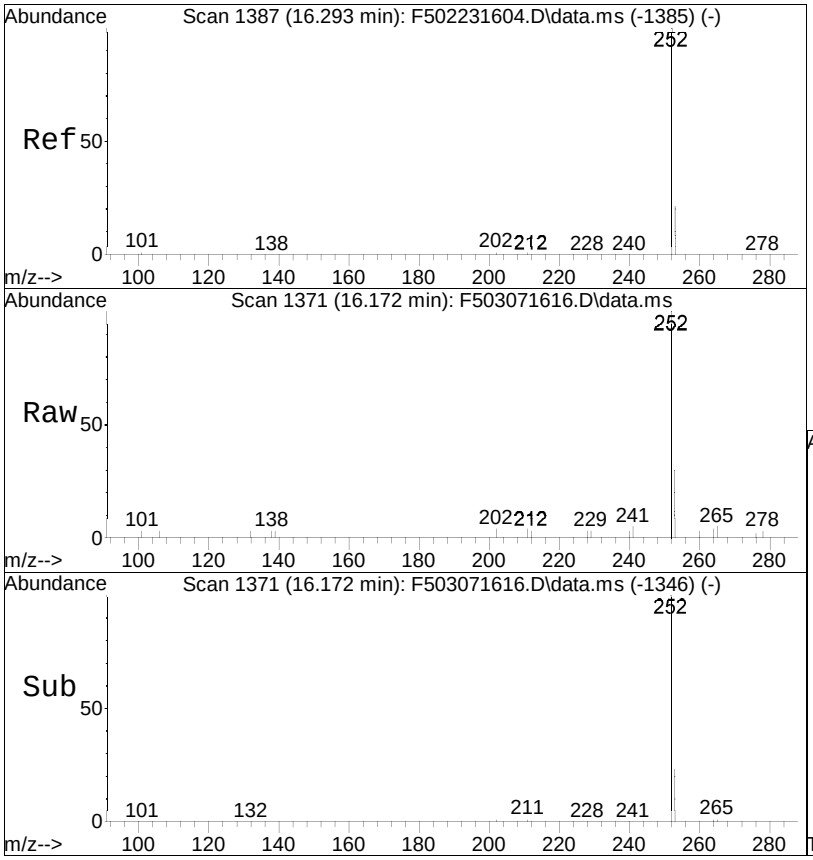


#32
Benzo[b]fluoranthene
Concen: 7.90 ng/mL
RT: 16.133 min Scan# 1366
Delta R.T. -0.000 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:252 Resp: 2619

Ion	Ratio	Lower	Upper
252	100		
253	29.0	18.2	27.4#

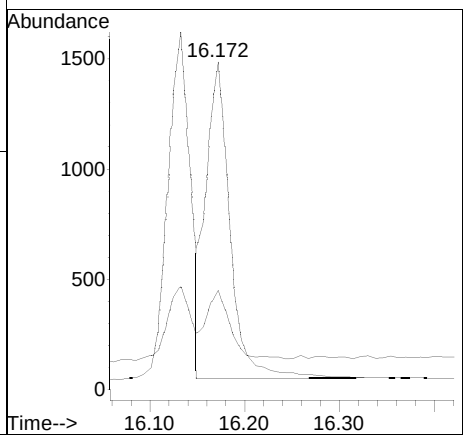


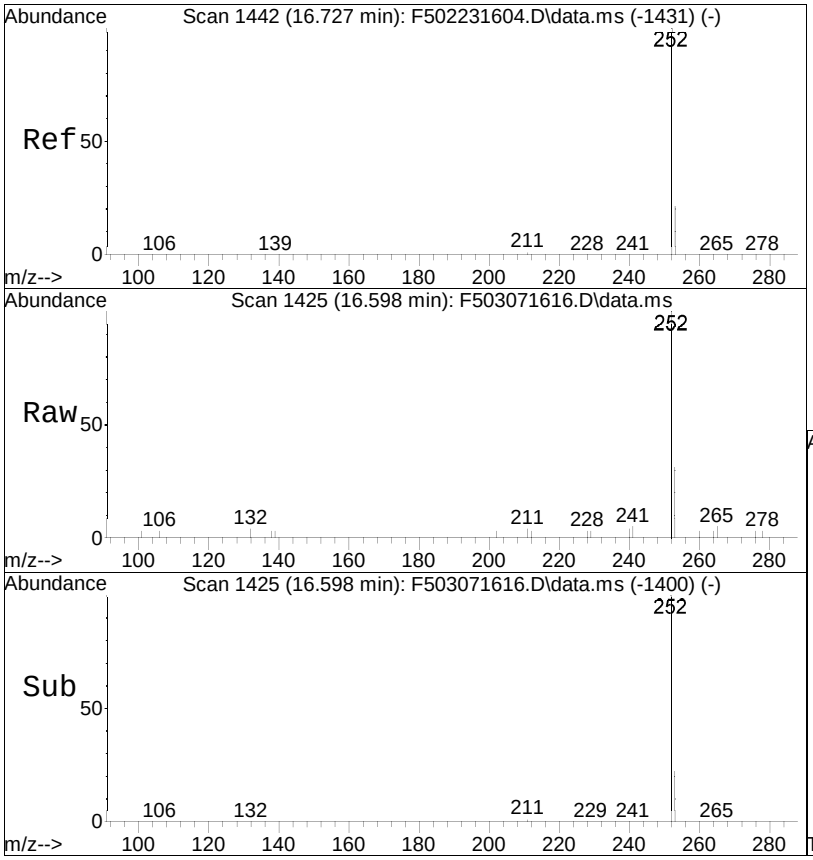


#33
Benzo[k]fluoranthene
Concen: 8.41 ng/mL
RT: 16.172 min Scan# 1371
Delta R.T. -0.001 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:252 Resp: 2512

Ion	Ratio	Lower	Upper
252	100		
253	30.2	18.2	27.2#

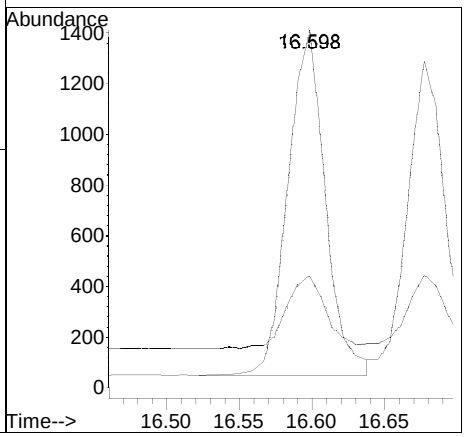


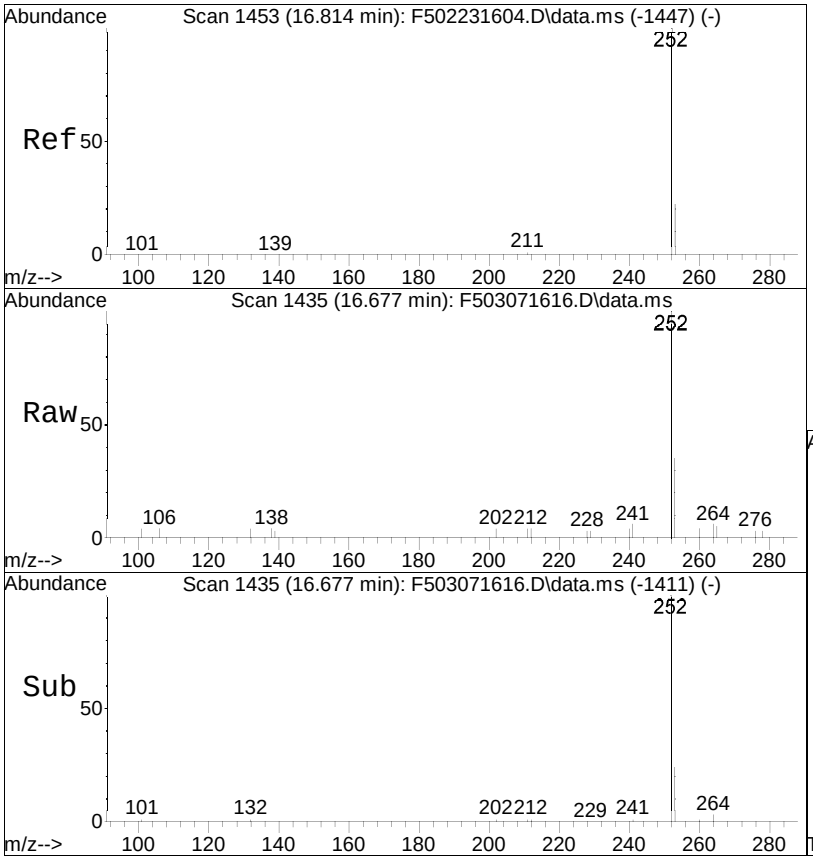


#34
Benzo[e]pyrene
Concen: 8.25 ng/mL
RT: 16.598 min Scan# 1425
Delta R.T. -0.001 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:252 Resp: 2433

Ion	Ratio	Lower	Upper
252	100		
253	31.4	18.2	27.4#

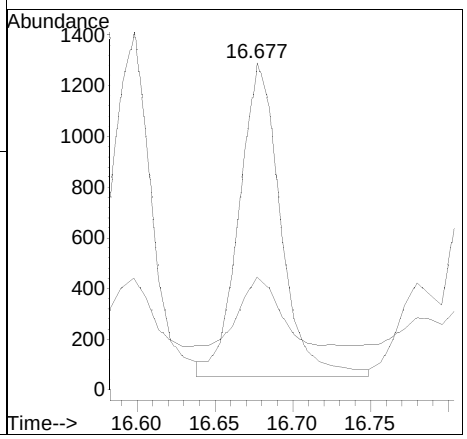


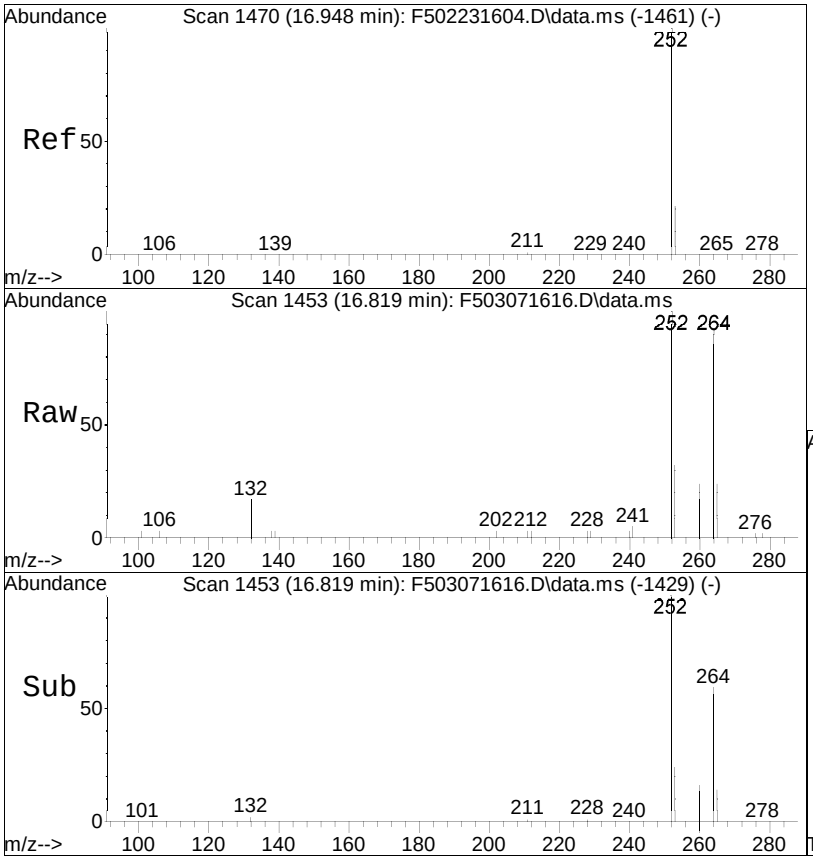


#35
Benzo[a]pyrene
Concen: 7.41 ng/mL M4
RT: 16.677 min Scan# 1435
Delta R.T. -0.008 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:252 Resp: 2304

Ion	Ratio	Lower	Upper
252	100		
253	32.0	18.6	27.8#

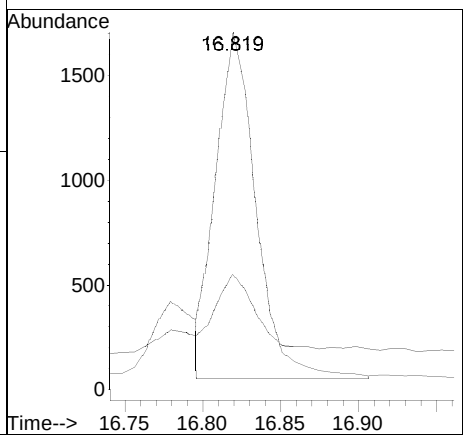


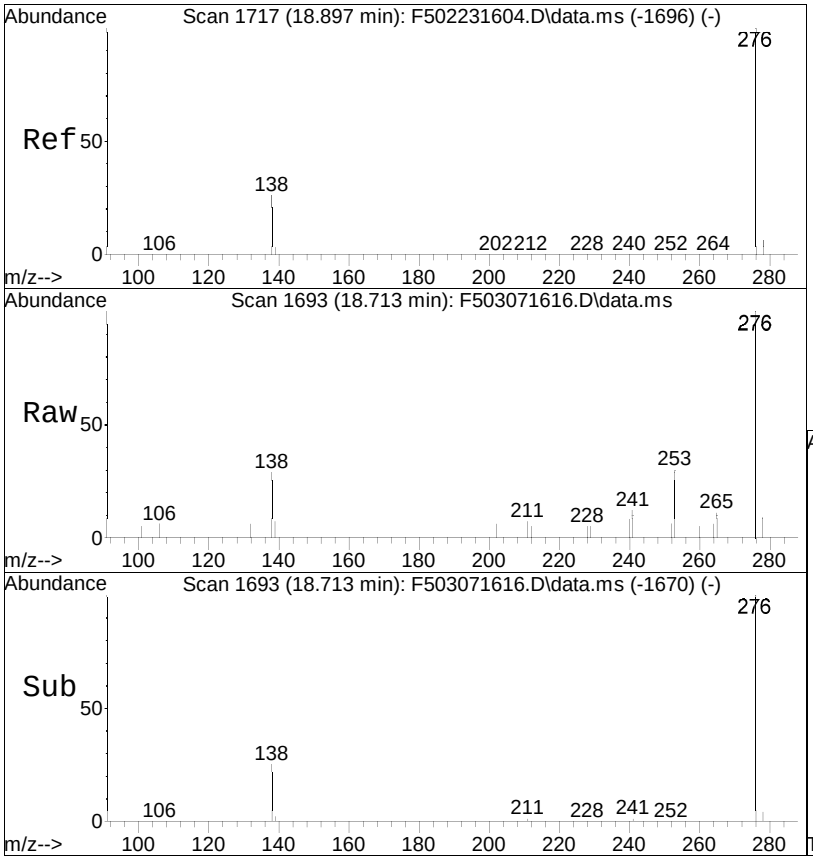


#36
Perylene
Concen: 8.84 ng/mL M4
RT: 16.819 min Scan# 1453
Delta R.T. -0.008 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:252 Resp: 2978

Ion	Ratio	Lower	Upper
252	100		
253	39.4	18.3	27.5#

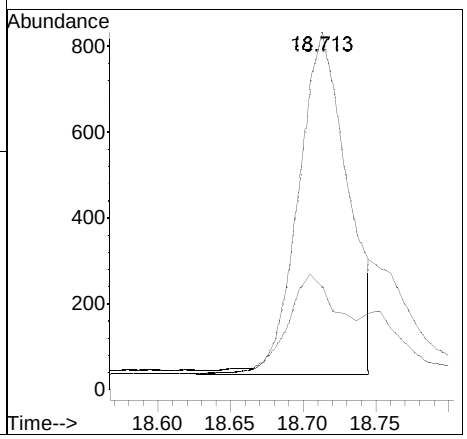


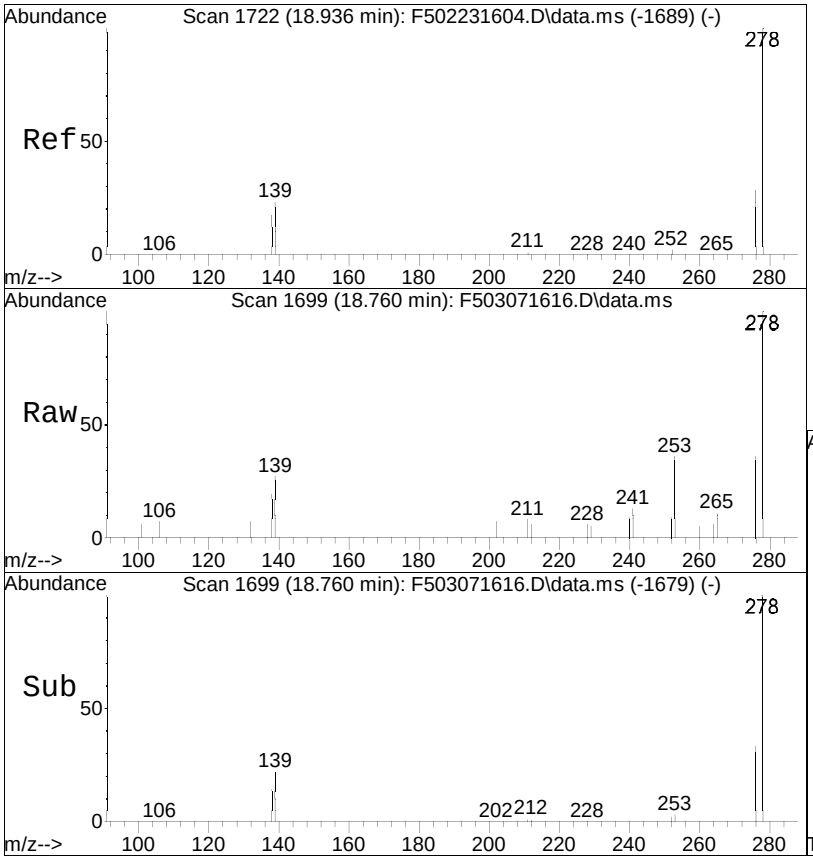


#37
Indeno[1,2,3-cd]pyrene
Concen: 12.65 ng/mL M4
RT: 18.713 min Scan# 1693
Delta R.T. -0.008 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:276 Resp: 1886

Ion	Ratio	Lower	Upper
276	100		
138	38.2	31.1	46.7

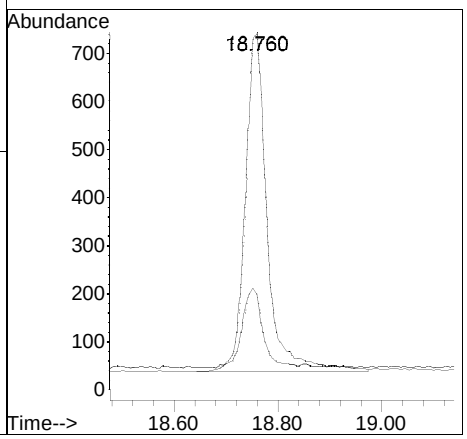


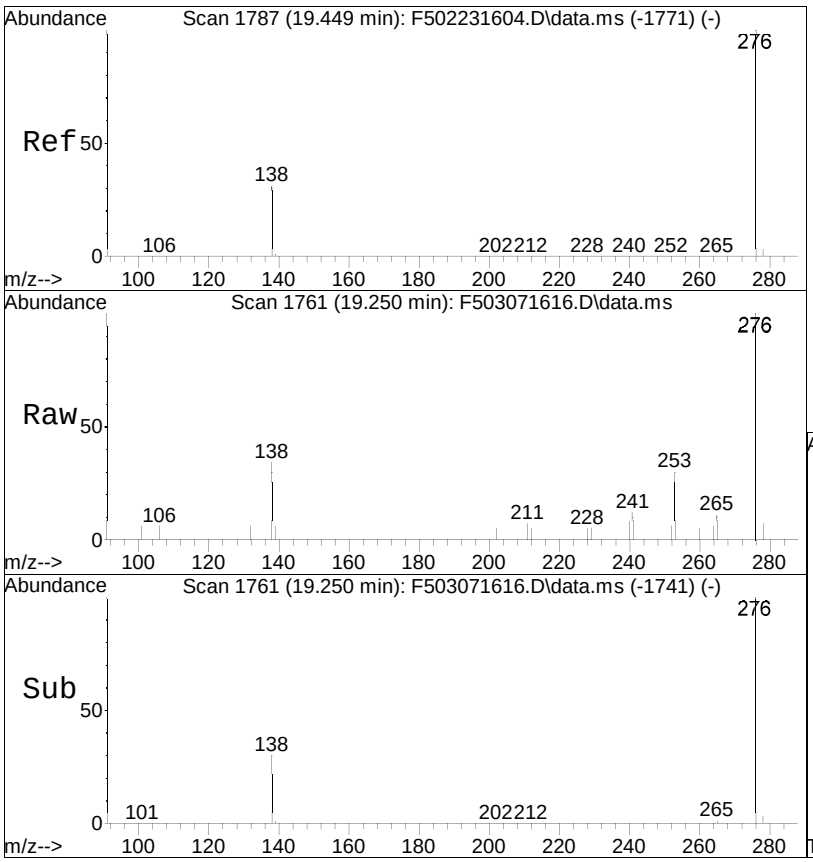


#38
Dibenz[a,h]anthracene
Concen: 11.46 ng/mL
RT: 18.760 min Scan# 1699
Delta R.T. -0.001 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:278 Resp: 2049

Ion	Ratio	Lower	Upper
278	100		
139	26.8	27.5	41.3#

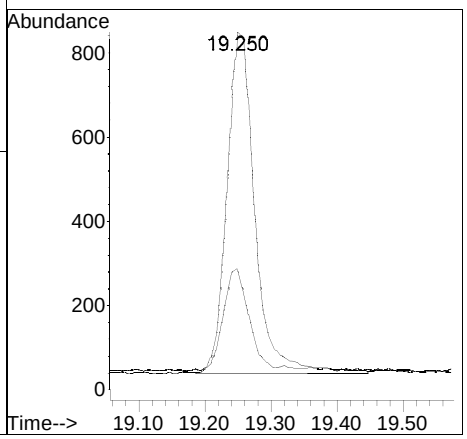




#39
Benzo[g,h,i]perylene
Concen: 7.99 ng/mL
RT: 19.250 min Scan# 1761
Delta R.T. -0.008 min
Lab File: F503071616.D
Acq: 8 Mar 2016 1:11 am

Tgt Ion:276 Resp: 2354

Ion	Ratio	Lower	Upper
276	100		
138	34.0	27.4	41.2

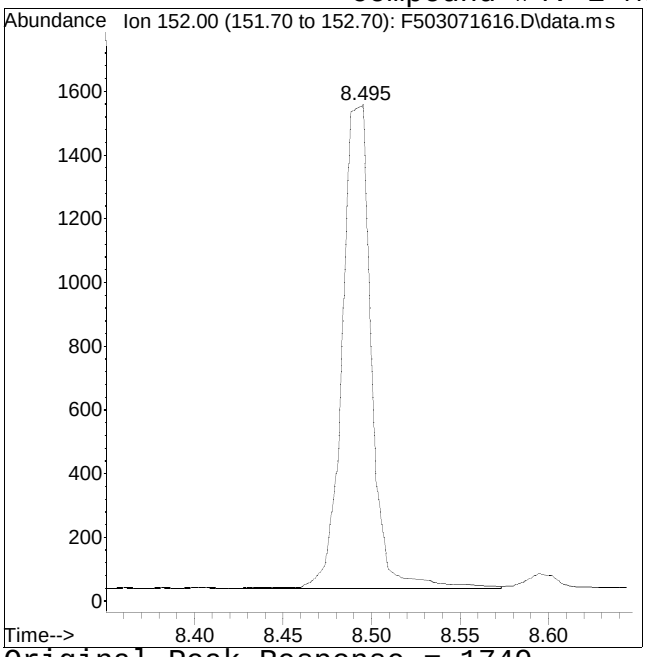


Manual Integration/Negative Proof Report

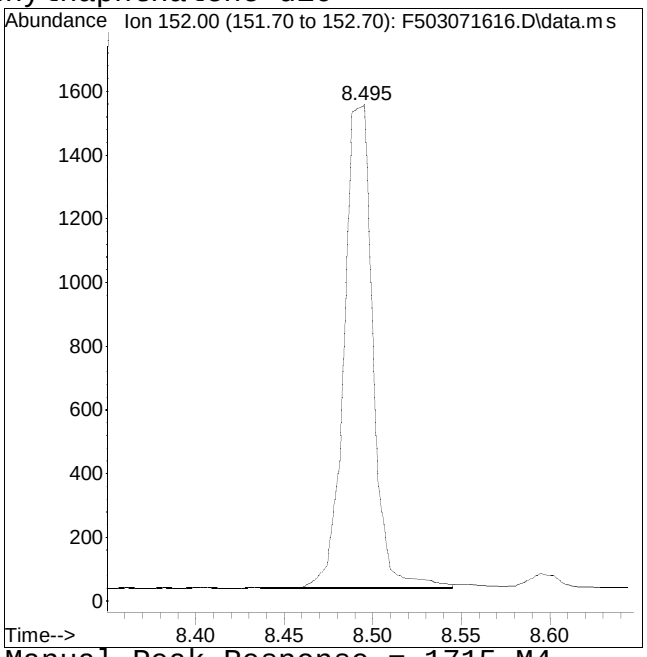
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F503071616.D
Date Inj'd : 3/8/2016 1:11 am
Sample : I503071601

QMethod : PAH0307PAH5.M
Operator : PAH5:sf
Instrument : PAH 5
Quant Date : 3/9/2016 1:17 pm

Compound #4: 2-Methylnaphthalene-d10



Original Peak Response = 1749



Manual Peak Response = 1715 M4

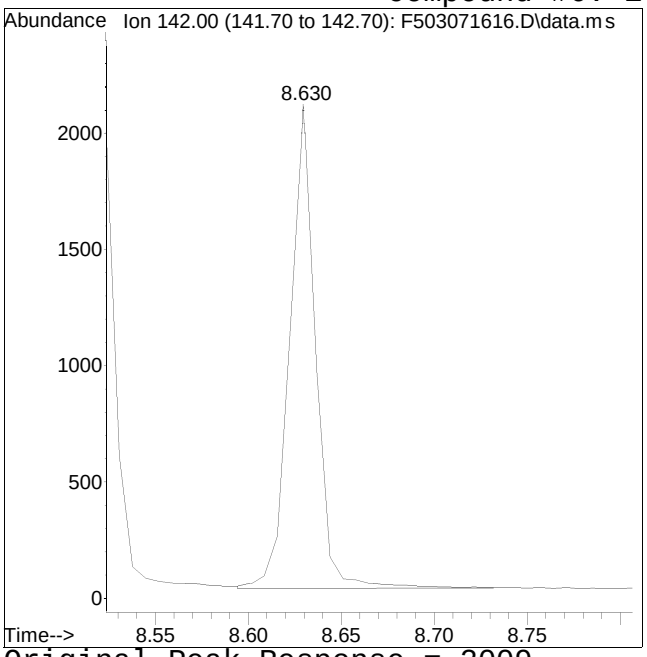
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

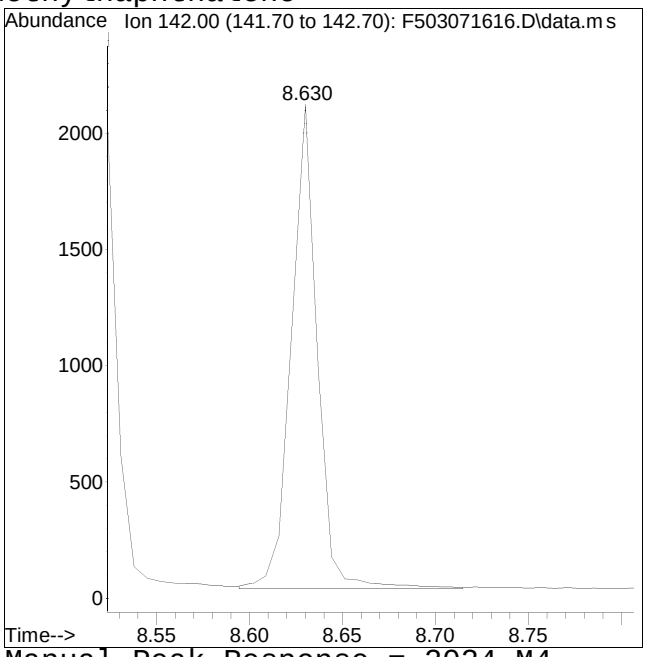
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F503071616.D
Date Inj'd : 3/8/2016 1:11 am
Sample : I503071601

QMethod : PAH0307PAH5.M
Operator : PAH5:sf
Instrument : PAH 5
Quant Date : 3/9/2016 1:17 pm

Compound #6: 1-Methylnaphthalene



Original Peak Response = 2009



Manual Peak Response = 2024 M4

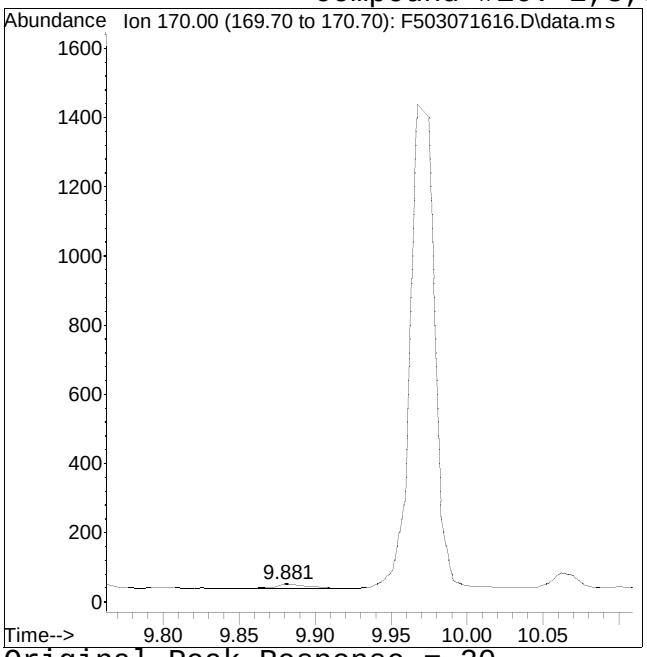
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

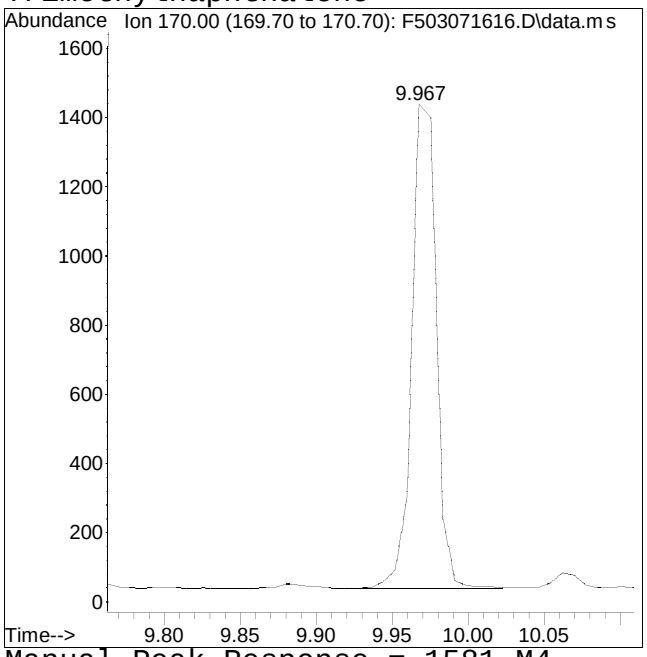
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F503071616.D
Date Inj'd : 3/8/2016 1:11 am
Sample : I503071601

QMethod : PAH0307PAH5.M
Operator : PAH5:sf
Instrument : PAH 5
Quant Date : 3/9/2016 1:17 pm

Compound #16: 2,3,5-Trimethylnaphthalene



Original Peak Response = 20



Manual Peak Response = 1581 M4

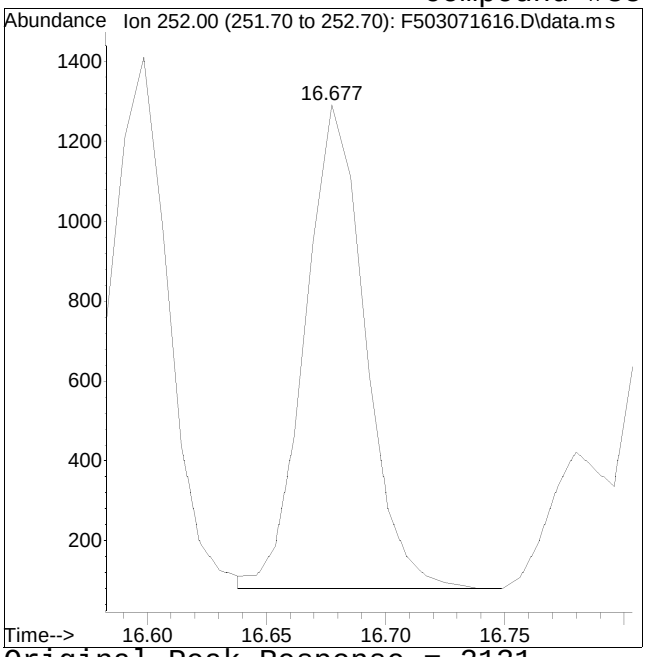
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

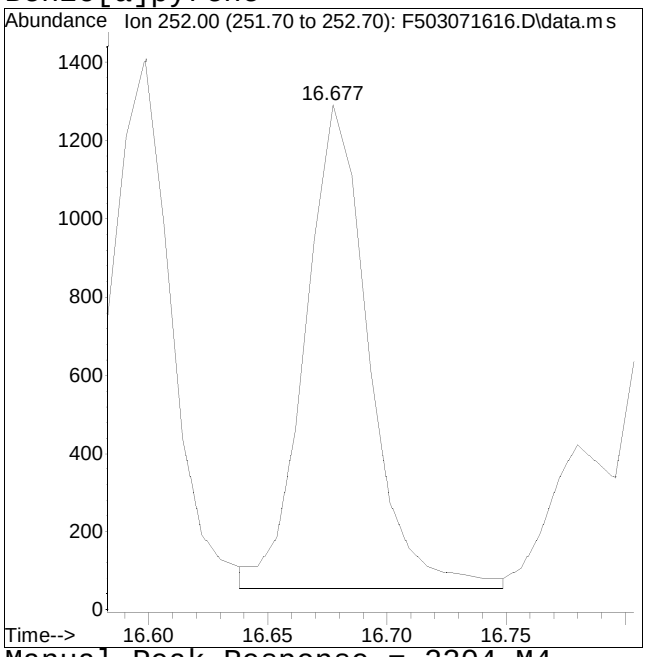
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F503071616.D
Date Inj'd : 3/8/2016 1:11 am
Sample : I503071601

QMethod : PAH0307PAH5.M
Operator : PAH5:sf
Instrument : PAH 5
Quant Date : 3/9/2016 1:17 pm

Compound #35: Benzo[a]pyrene



Original Peak Response = 2131



Manual Peak Response = 2304 M4

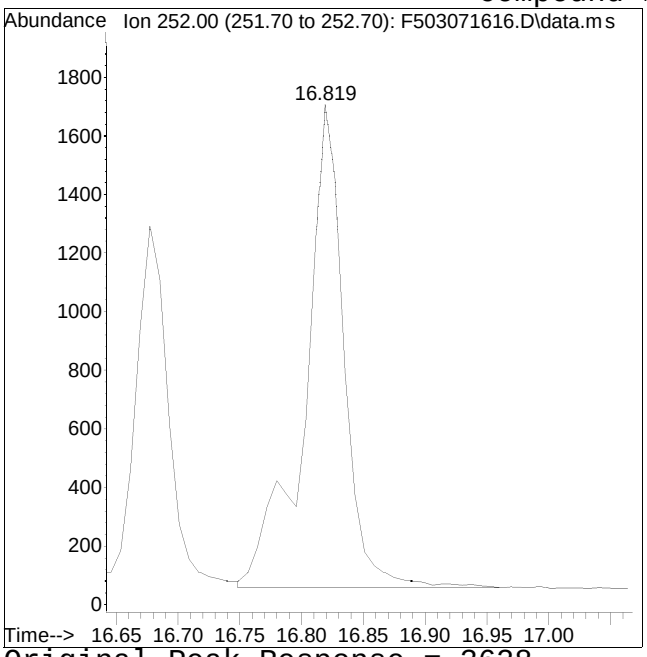
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

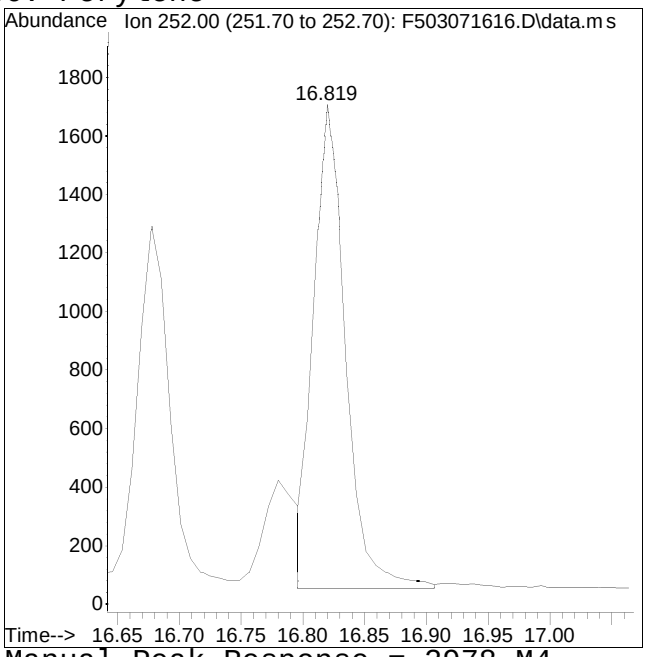
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F503071616.D
Date Inj'd : 3/8/2016 1:11 am
Sample : I503071601

QMethod : PAH0307PAH5.M
Operator : PAH5:sf
Instrument : PAH 5
Quant Date : 3/9/2016 1:17 pm

Compound #36: Perylene



Original Peak Response = 3628



Manual Peak Response = 2978 M4

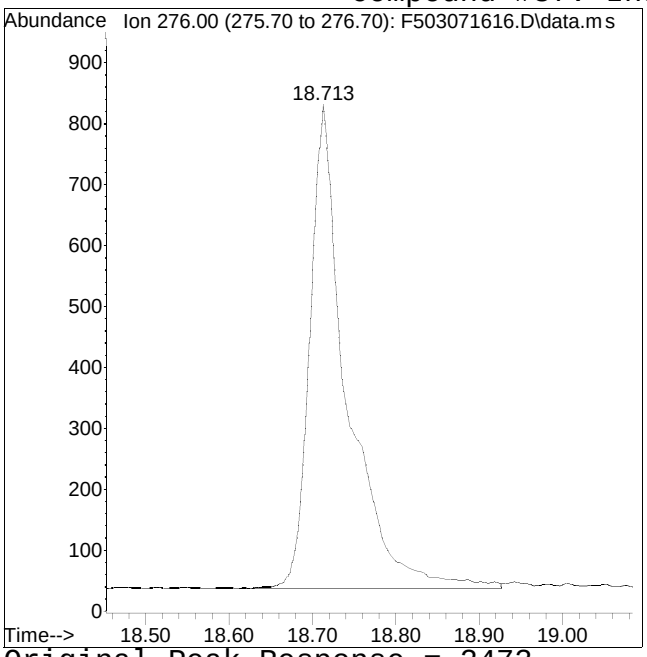
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

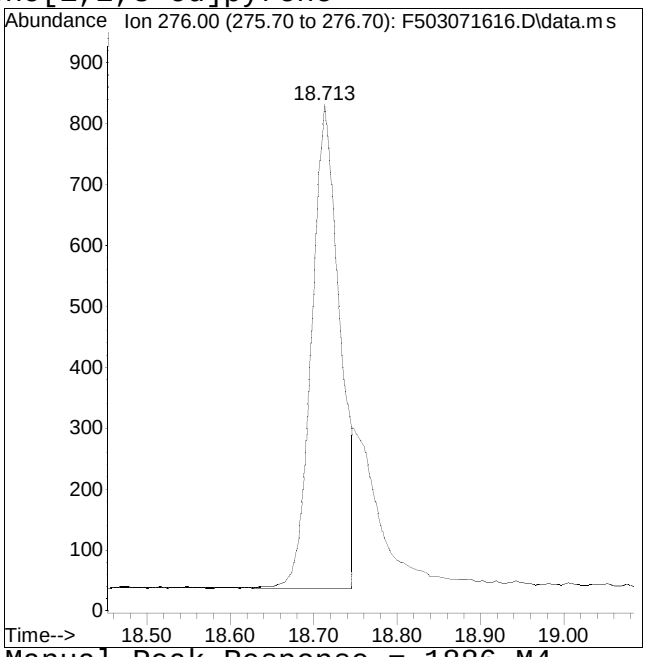
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F503071616.D
Date Inj'd : 3/8/2016 1:11 am
Sample : I503071601

QMethod : PAH0307PAH5.M
Operator : PAH5:sf
Instrument : PAH 5
Quant Date : 3/9/2016 1:17 pm

Compound #37: Indeno[1,2,3-cd]pyrene



Original Peak Response = 2473



Manual Peak Response = 1886 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071617.D
Acq On : 8 Mar 2016 1:42 am
Operator : PAH5:sf
Sample : I503071602
Misc : WG872128,MSAI15
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 09 13:18:04 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.816	136	150775	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.566	164	71485	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.014	188	143240	500.000	ng/mL	0.00
24) Chrysene-d12	14.326	240	132793	500.000	ng/mL	0.00
29) Perylene-d12	16.780	264	122044	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.488	152	3231	18.837	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 0.38%#			
18) Fluoranthene-d10	12.275	212	4946	17.271	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 3.45%#			
25) Pyrene-d10	12.551	212	4461	18.371	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 0.37%#			
30) Benzo(a)pyrene-d12	16.638	264	2887	14.927	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 2.99%#			
31) Benzo[b]fluoranthene-d12	16.094	264	3661	17.402	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 0.35%#			
Target Compounds						Qvalue
2) Naphthalene	7.837	128	6326	19.719	ng/mL	100
3) 1,4-Dichlorobenzene	6.563	146	3050	19.575	ng/mL	91
5) 2-Methylnaphthalene	8.524	142	4007	18.754	ng/mL	97
6) 1-Methylnaphthalene	8.630	142	3852	18.887	ng/mL	100
8) Dibenzothiophene	10.912	184	6290	18.616	ng/mL	100
9) 2-Chloronaphthalene	9.005	162	4281	19.296	ng/mL	100
10) Biphenyl	8.991	154	5119	19.579	ng/mL	98
11) 2,6-Dimethylnaphthalene	9.140	156	3382	18.682	ng/mL	99
12) Acenaphthylene	9.416	152	5290	18.032	ng/mL	91
13) Acenaphthene	9.597	153	4027	19.371	ng/mL	99
14) Dibenzofuran	9.755	168	5639	19.156	ng/mL	98
15) Fluorene	10.093	166	4211	18.422	ng/mL	96
16) 2,3,5-Trimethylnaphthalen	9.967	170	2960M4	18.334	ng/mL	
19) Phenanthrene	11.030	178	6820	19.440	ng/mL	100
20) Anthracene	11.077	178	5645	17.352	ng/mL	100
21) Carbazole	11.235	167	5422	17.341	ng/mL#	85
22) 1-Methylphenanthrene	11.660	192	4179	17.540	ng/mL	95
23) Fluoranthene	12.298	202	6485	17.555	ng/mL#	89
26) Pyrene	12.574	202	7078	18.484	ng/mL#	87
27) Benz[a]anthracene	14.294	228	5337	17.487	ng/mL	100
28) Chrysene	14.366	228	6267	19.166	ng/mL	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071617.D
Acq On : 8 Mar 2016 1:42 am
Operator : PAH5:sf
Sample : I503071602
Misc : WG872128,MSAI15
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 09 13:18:04 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo[b]fluoranthene	16.133	252	4987	16.317	ng/mL	94
33) Benzo[k]fluoranthene	16.172	252	4891	17.773	ng/mL	93
34) Benzo[e]pyrene	16.599	252	4678	17.222	ng/mL	93
35) Benzo[a]pyrene	16.677	252	4650M4	16.235	ng/mL	
36) Perylene	16.819	252	5818M4	18.750	ng/mL	
37) Indeno[1,2,3-cd]pyrene	18.713	276	3905M4	20.352	ng/mL	
38) Dibenz[a,h]anthracene	18.753	278	4259	19.702	ng/mL#	84
39) Benzo[g,h,i]perylene	19.258	276	4762	17.532	ng/mL#	84

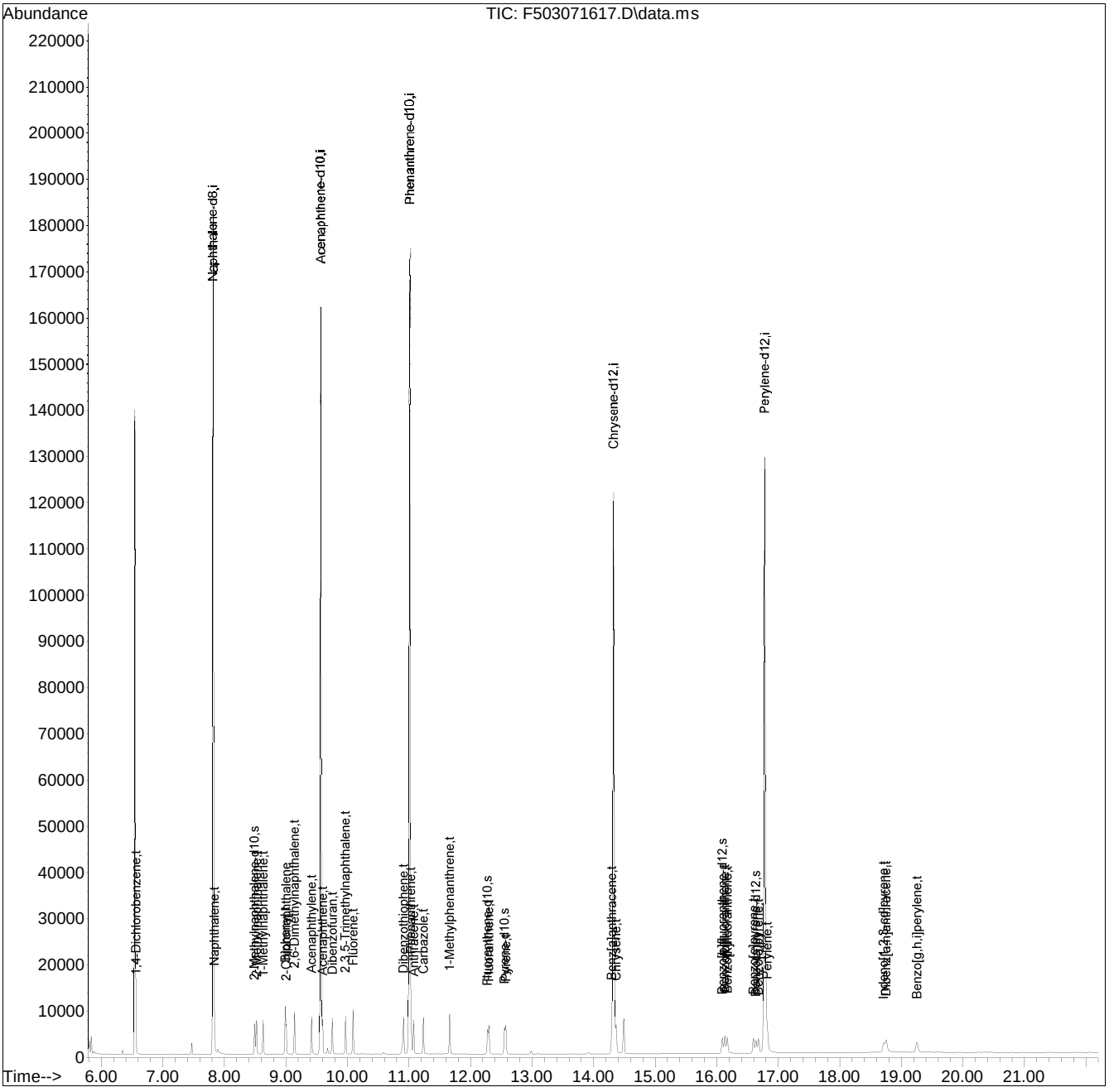
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071617.D
Acq On : 8 Mar 2016 1:42 am
Operator : PAH5:sf
Sample : I503071602
Misc : WG872128,MSAI15
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 09 13:18:04 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

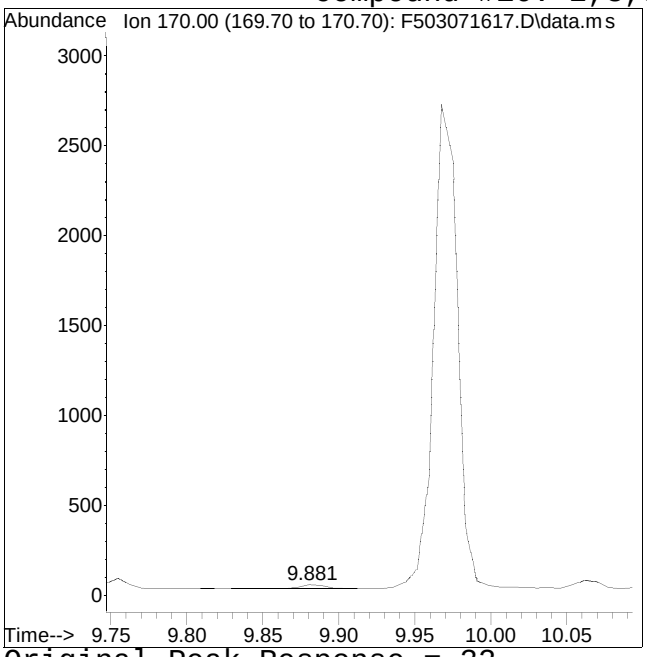


Manual Integration/Negative Proof Report

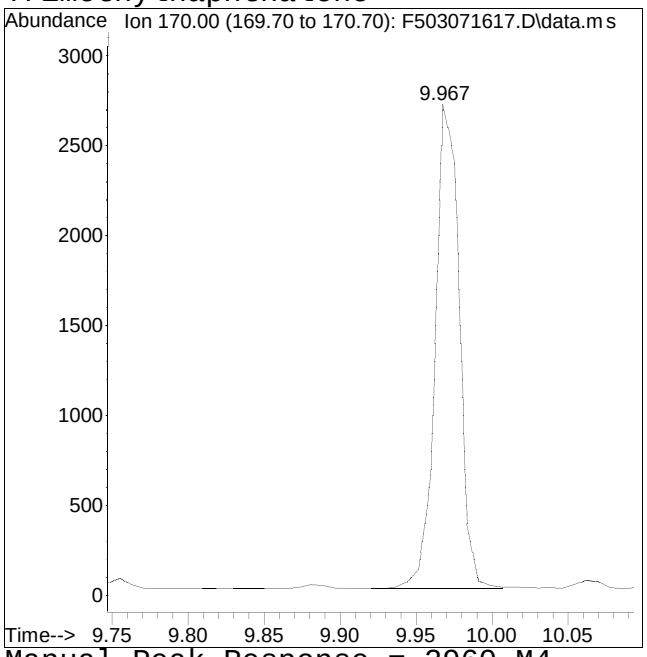
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F503071617.D
Date Inj'd : 3/8/2016 1:42 am
Sample : I503071602

QMethod : PAH0307PAH5.M
Operator : PAH5:sf
Instrument : PAH 5
Quant Date : 3/9/2016 1:18 pm

Compound #16: 2,3,5-Trimethylnaphthalene



Original Peak Response = 32



Manual Peak Response = 2960 M4

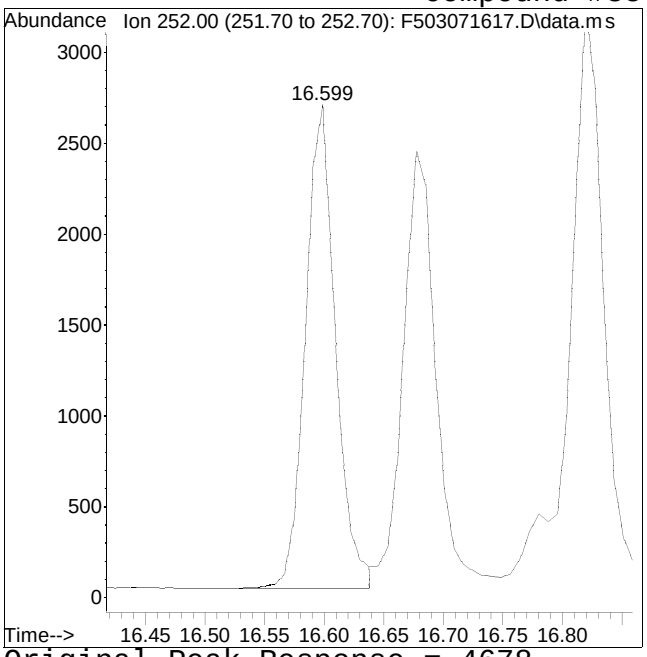
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

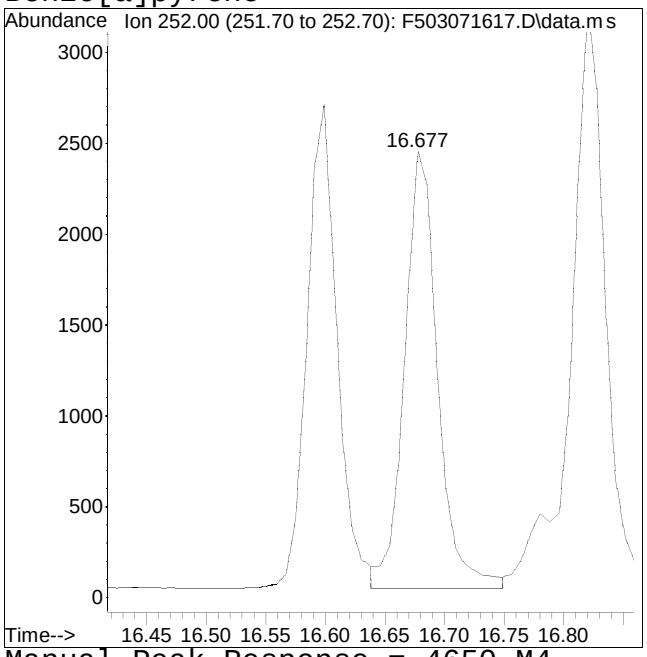
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F503071617.D
Date Inj'd : 3/8/2016 1:42 am
Sample : I503071602

QMethod : PAH0307PAH5.M
Operator : PAH5:sf
Instrument : PAH 5
Quant Date : 3/9/2016 1:18 pm

Compound #35: Benzo[a]pyrene



Original Peak Response = 4678



Manual Peak Response = 4650 M4

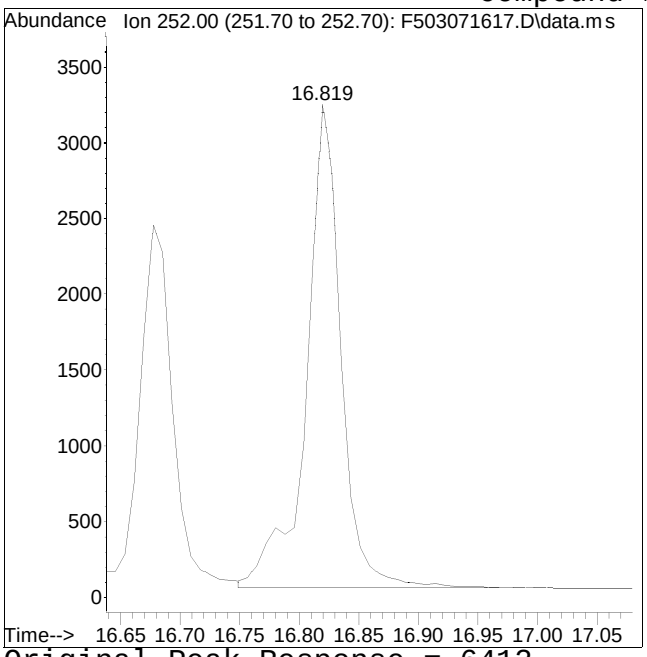
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

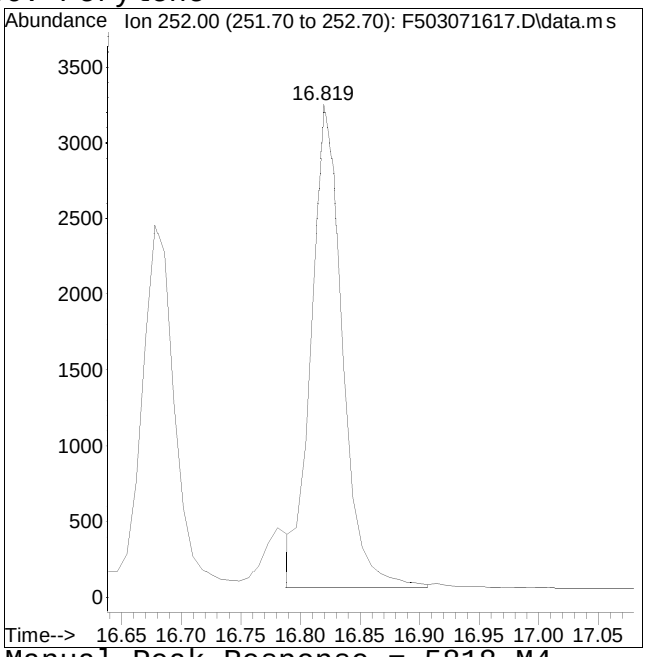
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F503071617.D
Date Inj'd : 3/8/2016 1:42 am
Sample : I503071602

QMethod : PAH0307PAH5.M
Operator : PAH5:sf
Instrument : PAH 5
Quant Date : 3/9/2016 1:18 pm

Compound #36: Perylene



Original Peak Response = 6412



Manual Peak Response = 5818 M4

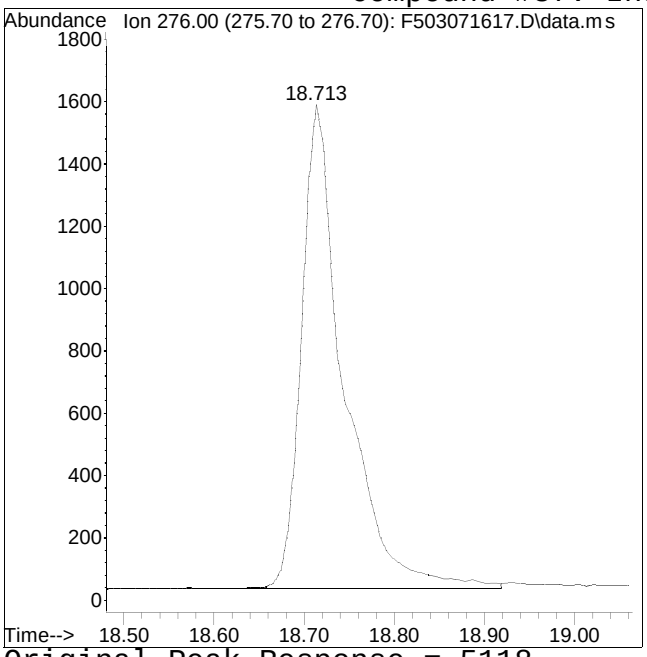
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

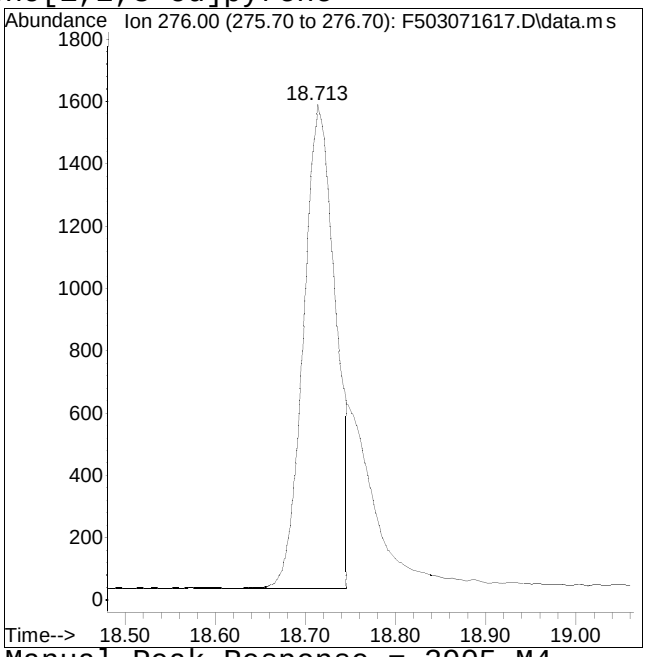
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F503071617.D
Date Inj'd : 3/8/2016 1:42 am
Sample : I503071602

QMethod : PAH0307PAH5.M
Operator : PAH5:sf
Instrument : PAH 5
Quant Date : 3/9/2016 1:18 pm

Compound #37: Indeno[1,2,3-cd]pyrene



Original Peak Response = 5118



Manual Peak Response = 3905 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071618.D
Acq On : 8 Mar 2016 2:13 am
Operator : PAH5:sf
Sample : I503071603
Misc : WG872128,MSAI14
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 09 13:18:08 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.816	136	143066	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.566	164	69608	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.014	188	139022	500.000	ng/mL	0.00
24) Chrysene-d12	14.326	240	135835	500.000	ng/mL	0.00
29) Perylene-d12	16.780	264	124869	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.488	152	16328	100.322	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 2.01%#			
18) Fluoranthene-d10	12.274	212	27340	98.367	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 19.67%#			
25) Pyrene-d10	12.551	212	24551	98.841	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 1.98%#			
30) Benzo(a)pyrene-d12	16.638	264	18865	95.334	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 19.07%#			
31) Benzo[b]fluoranthene-d12	16.093	264	21135	98.191	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 1.96%#			
Target Compounds						Qvalue
2) Naphthalene	7.837	128	31166	102.384	ng/mL	99
3) 1,4-Dichlorobenzene	6.556	146	15051	101.802	ng/mL	97
5) 2-Methylnaphthalene	8.524	142	20704	102.125	ng/mL	94
6) 1-Methylnaphthalene	8.630	142	19688	101.733	ng/mL	98
8) Dibenzothiophene	10.912	184	32979	100.235	ng/mL	100
9) 2-Chloronaphthalene	9.005	162	22032	101.984	ng/mL	100
10) Biphenyl	8.991	154	25889	101.688	ng/mL	96
11) 2,6-Dimethylnaphthalene	9.139	156	17799	100.973	ng/mL	99
12) Acenaphthylene	9.416	152	28596	94.498	ng/mL	100
13) Acenaphthene	9.597	153	20509	101.315	ng/mL	98
14) Dibenzofuran	9.755	168	29167	101.756	ng/mL	96
15) Fluorene	10.093	166	22361	100.459	ng/mL	95
16) 2,3,5-Trimethylnaphthalen	9.967	170	15792M4	100.454	ng/mL	
19) Phenanthrene	11.030	178	34604	101.627	ng/mL	99
20) Anthracene	11.077	178	31395	99.435	ng/mL	99
21) Carbazole	11.235	167	30451	100.344	ng/mL#	83
22) 1-Methylphenanthrene	11.660	192	23038	99.631	ng/mL	96
23) Fluoranthene	12.298	202	36420	101.584	ng/mL#	88
26) Pyrene	12.574	202	39919	101.915	ng/mL#	85
27) Benz[a]anthracene	14.294	228	29855	95.633	ng/mL	98
28) Chrysene	14.365	228	33831	101.145	ng/mL	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071618.D
Acq On : 8 Mar 2016 2:13 am
Operator : PAH5:sf
Sample : I503071603
Misc : WG872128,MSAI14
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 09 13:18:08 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo[b]fluoranthene	16.133	252	29940	95.747	ng/mL	99
33) Benzo[k]fluoranthene	16.172	252	29726	105.578	ng/mL	99
34) Benzo[e]pyrene	16.598	252	27586	99.262	ng/mL	99
35) Benzo[a]pyrene	16.677	252	29845M4	101.841	ng/mL	
36) Perylene	16.819	252	32552	102.533	ng/mL	99
37) Indeno[1,2,3-cd]pyrene	18.713	276	22634M4	85.125	ng/mL	
38) Dibenz[a,h]anthracene	18.760	278	25313	90.926	ng/mL#	72
39) Benzo[g,h,i]perylene	19.258	276	27371	98.488	ng/mL#	81

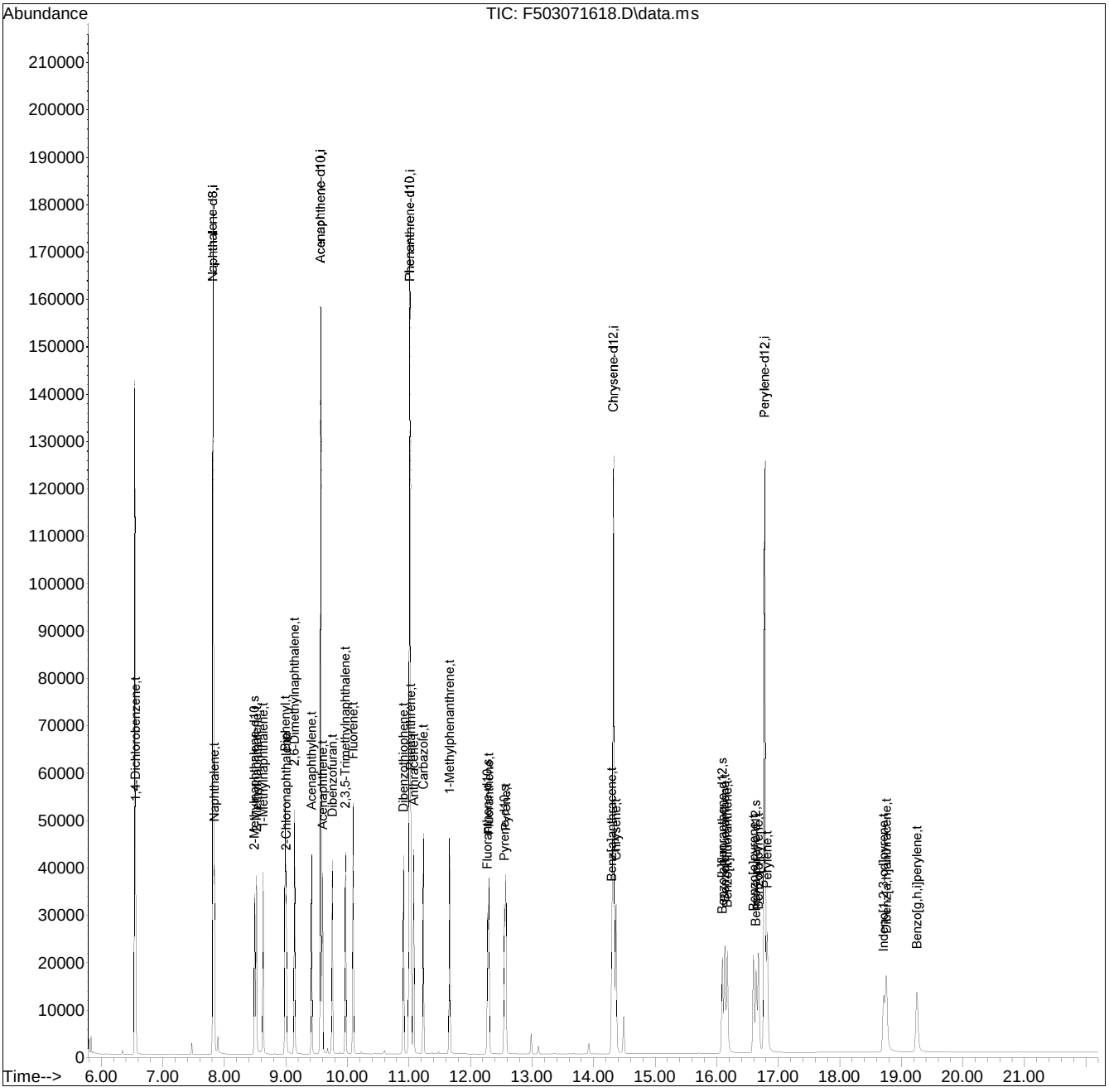
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071618.D
Acq On : 8 Mar 2016 2:13 am
Operator : PAH5:sf
Sample : I503071603
Misc : WG872128,MSAI14
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 09 13:18:08 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

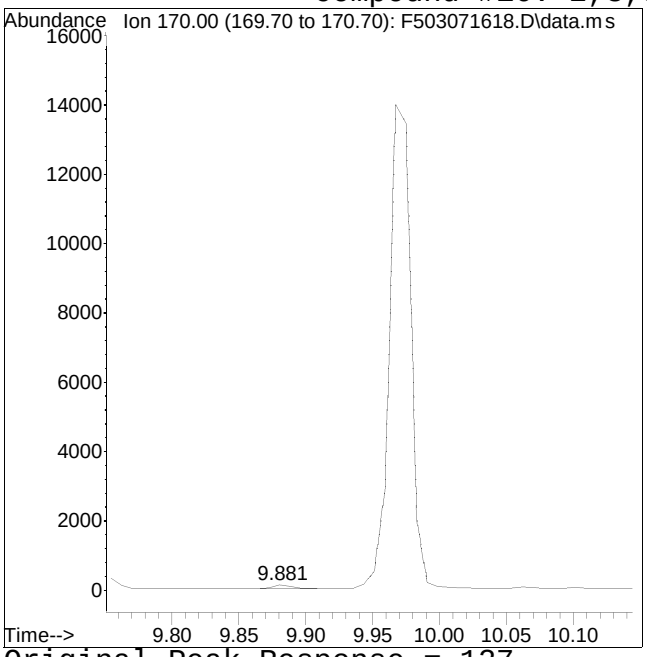


Manual Integration/Negative Proof Report

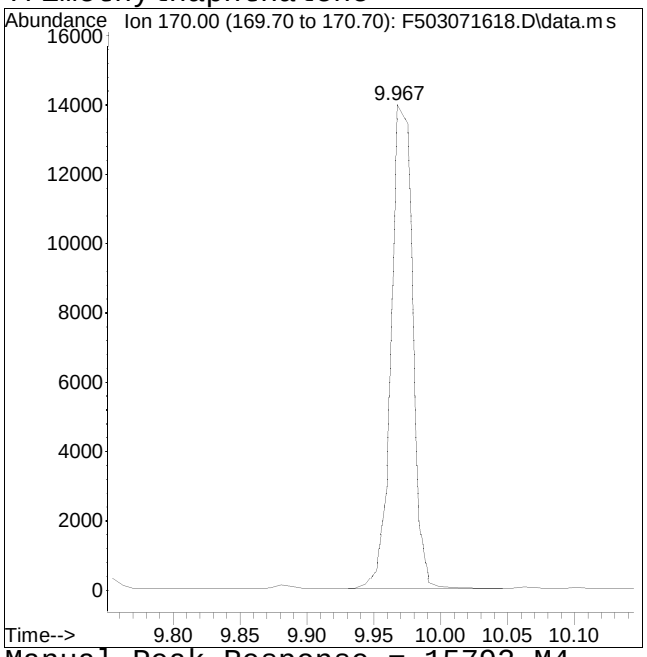
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F503071618.D
Date Inj'd : 3/8/2016 2:13 am
Sample : I503071603

QMethod : PAH0307PAH5.M
Operator : PAH5:sf
Instrument : PAH 5
Quant Date : 3/9/2016 1:18 pm

Compound #16: 2,3,5-Trimethylnaphthalene



Original Peak Response = 127



Manual Peak Response = 15792 M4

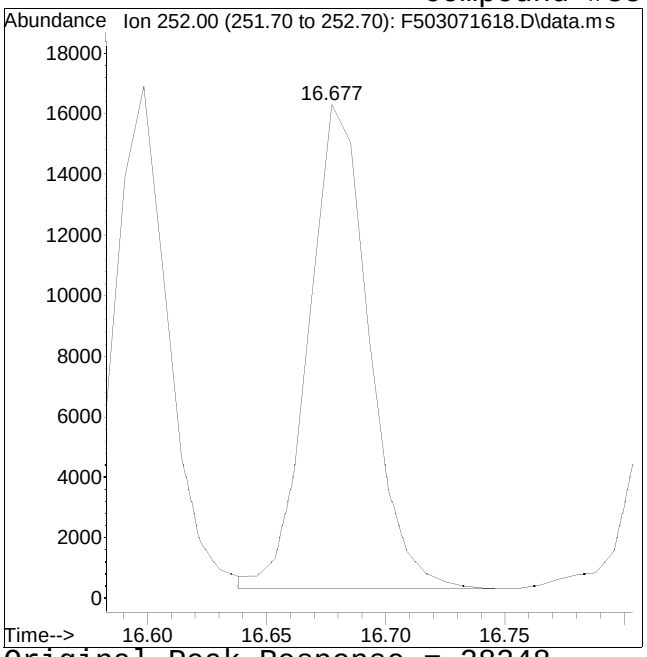
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

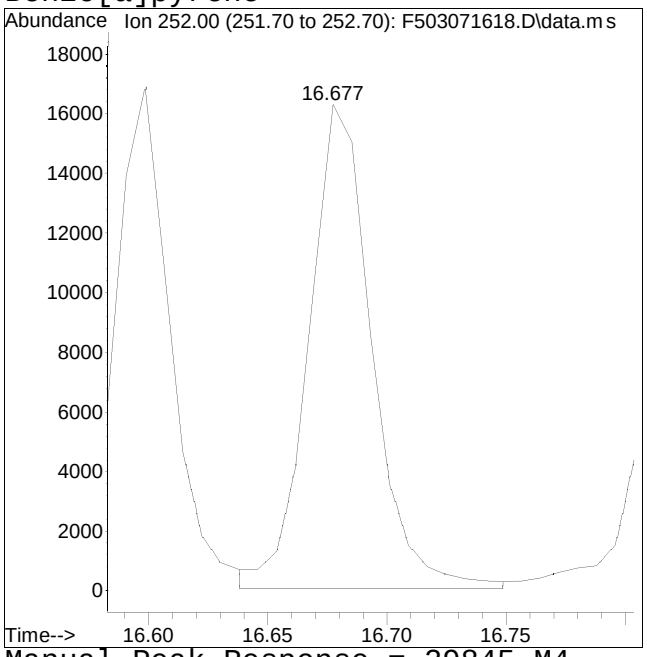
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F503071618.D
Date Inj'd : 3/8/2016 2:13 am
Sample : I503071603

QMethod : PAH0307PAH5.M
Operator : PAH5:sf
Instrument : PAH 5
Quant Date : 3/9/2016 1:18 pm

Compound #35: Benzo[a]pyrene



Original Peak Response = 28248



Manual Peak Response = 29845 M4

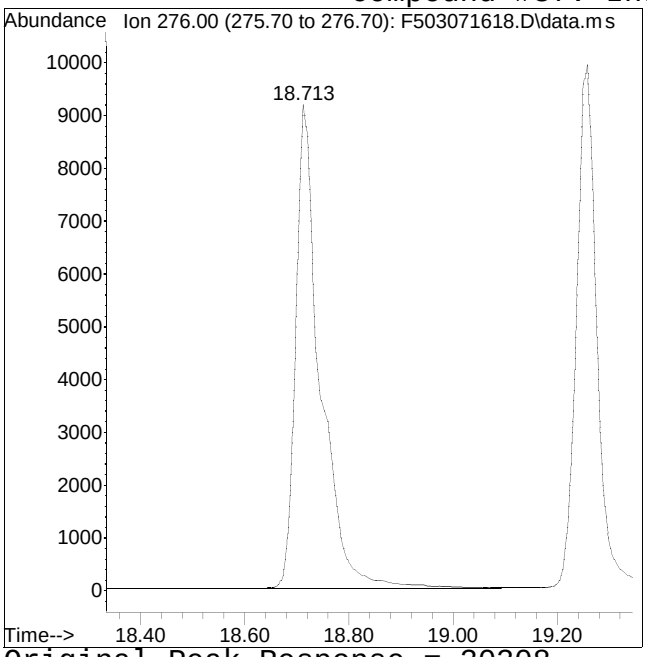
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

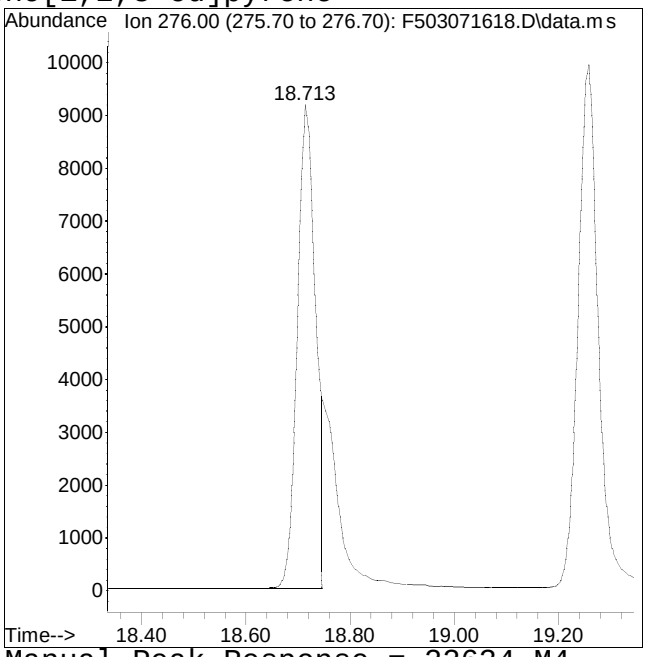
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F503071618.D
Date Inj'd : 3/8/2016 2:13 am
Sample : I503071603

QMethod : PAH0307PAH5.M
Operator : PAH5:sf
Instrument : PAH 5
Quant Date : 3/9/2016 1:18 pm

Compound #37: Indeno[1,2,3-cd]pyrene



Original Peak Response = 30308



Manual Peak Response = 22634 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071619.D
Acq On : 8 Mar 2016 2:44 am
Operator : PAH5:sf
Sample : I503071604
Misc : WG872128,MSAI13
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 09 13:18:12 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.816	136	143217	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.566	164	69904	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.014	188	141503	500.000	ng/mL	0.00
24) Chrysene-d12	14.326	240	140022	500.000	ng/mL	0.00
29) Perylene-d12	16.780	264	131699	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.488	152	34246	210.191	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 4.20%#			
18) Fluoranthene-d10	12.274	212	59285	209.562	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 41.91%			
25) Pyrene-d10	12.551	212	53283	208.101	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 4.16%#			
30) Benzo(a)pyrene-d12	16.646	264	44077	211.192	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 42.24%			
31) Benzo[b]fluoranthene-d12	16.093	264	47855	210.800	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 4.22%#			
Target Compounds						Qvalue
2) Naphthalene	7.837	128	64375	211.257	ng/mL	99
3) 1,4-Dichlorobenzene	6.563	146	31258	211.201	ng/mL	97
5) 2-Methylnaphthalene	8.524	142	42893	211.352	ng/mL	94
6) 1-Methylnaphthalene	8.630	142	41155	212.434	ng/mL	99
8) Dibenzothiophene	10.912	184	69256	209.603	ng/mL	97
9) 2-Chloronaphthalene	9.005	162	45626	210.305	ng/mL	100
10) Biphenyl	8.991	154	53981	211.131	ng/mL	96
11) 2,6-Dimethylnaphthalene	9.139	156	37340	210.931	ng/mL	100
12) Acenaphthylene	9.416	152	61934	202.376	ng/mL	100
13) Acenaphthene	9.597	153	42607	209.589	ng/mL	99
14) Dibenzofuran	9.755	168	61524	213.732	ng/mL	98
15) Fluorene	10.093	166	47636	213.103	ng/mL	95
16) 2,3,5-Trimethylnaphthalen	9.975	170	33190M4	210.230	ng/mL	
19) Phenanthrene	11.030	178	72512	209.224	ng/mL	98
20) Anthracene	11.077	178	68697	213.763	ng/mL	99
21) Carbazole	11.235	167	66003	213.684	ng/mL#	84
22) 1-Methylphenanthrene	11.660	192	49530	210.443	ng/mL	96
23) Fluoranthene	12.298	202	78333	214.658	ng/mL#	88
26) Pyrene	12.574	202	86260	213.641	ng/mL#	86
27) Benz[a]anthracene	14.302	228	66413	206.377	ng/mL	99
28) Chrysene	14.365	228	72608	210.586	ng/mL	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071619.D
Acq On : 8 Mar 2016 2:44 am
Operator : PAH5:sf
Sample : I503071604
Misc : WG872128,MSAI13
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 09 13:18:12 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo[b]fluoranthene	16.133	252	68322	207.160	ng/mL	98
33) Benzo[k]fluoranthene	16.172	252	67085	225.908	ng/mL	98
34) Benzo[e]pyrene	16.598	252	63134	215.393	ng/mL	98
35) Benzo[a]pyrene	16.685	252	67141M4	217.225	ng/mL	
36) Perylene	16.819	252	71216	212.685	ng/mL	98
37) Indeno[1,2,3-cd]pyrene	18.713	276	53352M4	182.261	ng/mL	
38) Dibenz[a,h]anthracene	18.760	278	59295	195.974	ng/mL#	70
39) Benzo[g,h,i]perylene	19.258	276	62638	213.700	ng/mL#	80

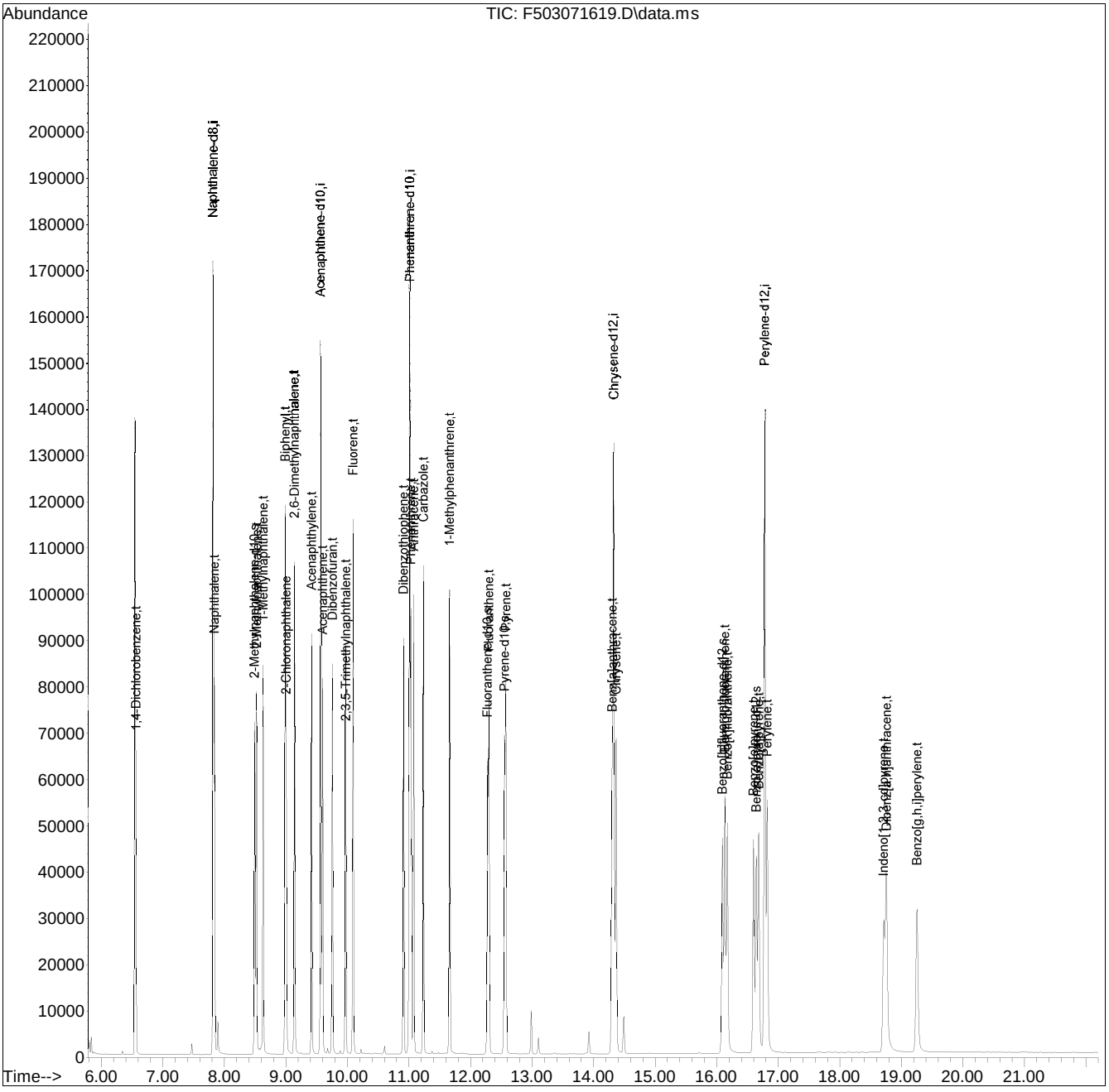
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071619.D
Acq On : 8 Mar 2016 2:44 am
Operator : PAH5:sf
Sample : I503071604
Misc : WG872128,MSAI13
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 09 13:18:12 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

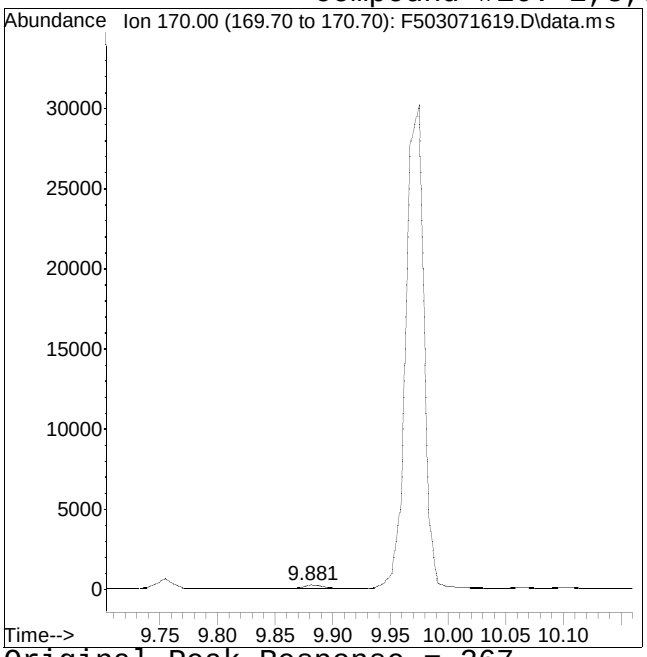


Manual Integration/Negative Proof Report

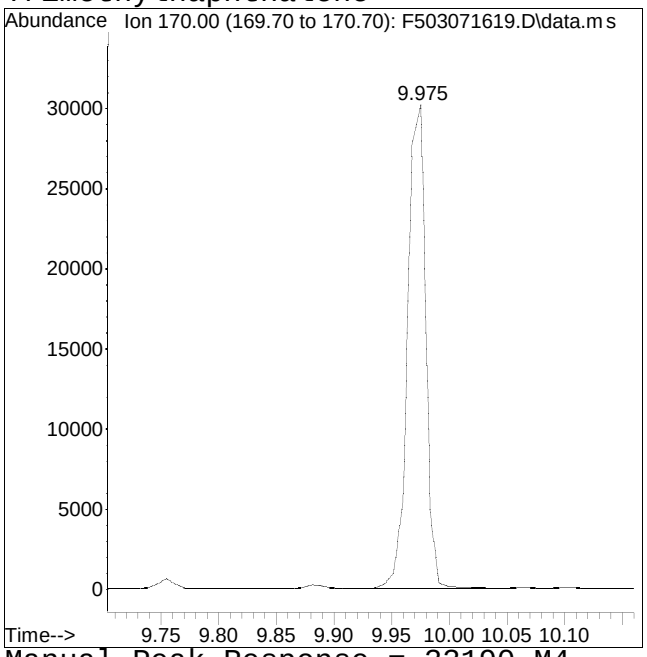
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F503071619.D
Date Inj'd : 3/8/2016 2:44 am
Sample : I503071604

QMethod : PAH0307PAH5.M
Operator : PAH5:sf
Instrument : PAH 5
Quant Date : 3/9/2016 1:18 pm

Compound #16: 2,3,5-Trimethylnaphthalene



Original Peak Response = 267



Manual Peak Response = 33190 M4

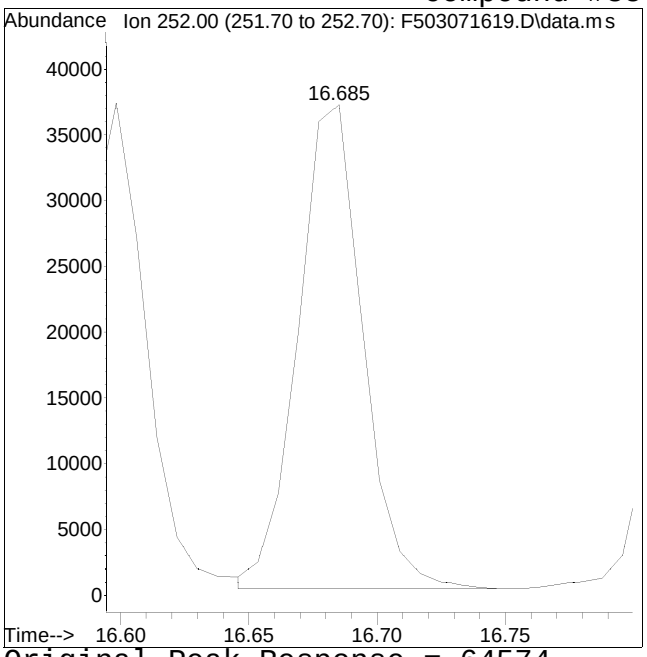
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

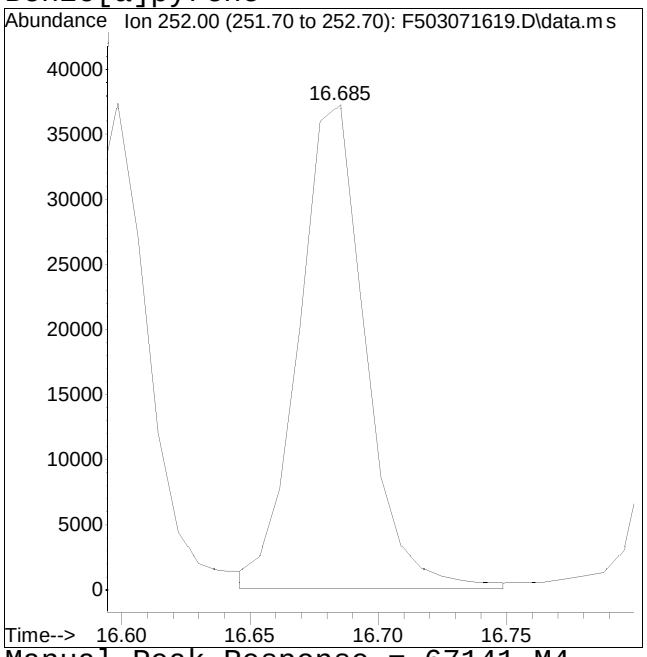
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F503071619.D
Date Inj'd : 3/8/2016 2:44 am
Sample : I503071604

QMethod : PAH0307PAH5.M
Operator : PAH5:sf
Instrument : PAH 5
Quant Date : 3/9/2016 1:18 pm

Compound #35: Benzo[a]pyrene



Original Peak Response = 64574



Manual Peak Response = 67141 M4

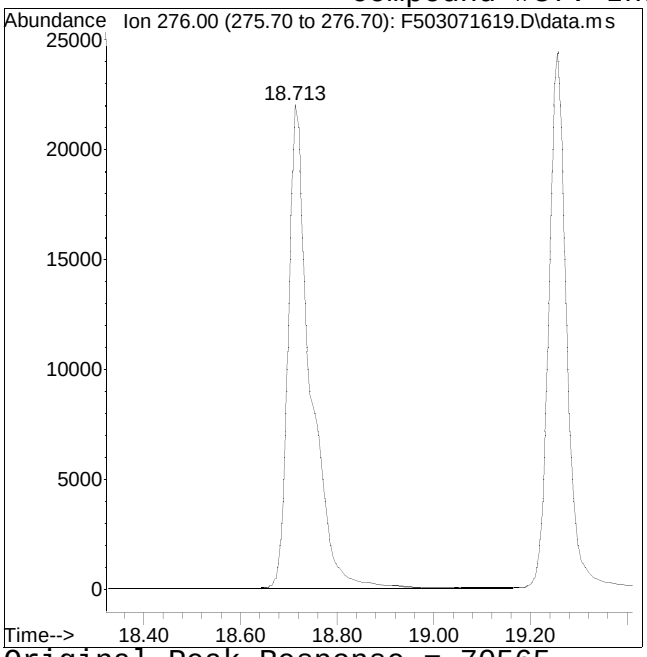
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

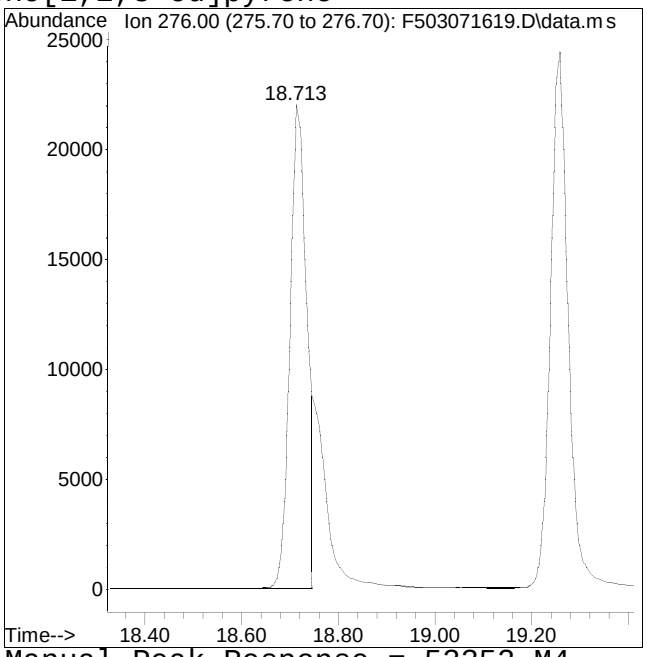
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F503071619.D
Date Inj'd : 3/8/2016 2:44 am
Sample : I503071604

QMethod : PAH0307PAH5.M
Operator : PAH5:sf
Instrument : PAH 5
Quant Date : 3/9/2016 1:18 pm

Compound #37: Indeno[1,2,3-cd]pyrene



Original Peak Response = 70565



Manual Peak Response = 53352 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071620.D
Acq On : 8 Mar 2016 3:14 am
Operator : PAH5:sf
Sample : I503071605
Misc : WG872128,MSAI12
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 09 13:18:17 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.816	136	146126	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.566	164	71857	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.014	188	144840	500.000	ng/mL	0.00
24) Chrysene-d12	14.326	240	146181	500.000	ng/mL	0.00
29) Perylene-d12	16.780	264	139846	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.488	152	83716	503.592	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 10.07%#			
18) Fluoranthene-d10	12.275	212	151993	524.891	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 104.98%			
25) Pyrene-d10	12.551	212	137011	512.562	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 10.25%#			
30) Benzo(a)pyrene-d12	16.646	264	119810	540.617	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 108.12%			
31) Benzo[b]fluoranthene-d12	16.094	264	124524	516.570	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 10.33%#			
Target Compounds						Qvalue
2) Naphthalene	7.837	128	155221	499.242	ng/mL	99
3) 1,4-Dichlorobenzene	6.556	146	74933	496.220	ng/mL	98
5) 2-Methylnaphthalene	8.524	142	104463	504.485	ng/mL	93
6) 1-Methylnaphthalene	8.630	142	99669	504.229	ng/mL	98
8) Dibenzothiophene	10.912	184	174727	514.438	ng/mL	98
9) 2-Chloronaphthalene	9.005	162	112426	504.123	ng/mL	100
10) Biphenyl	8.991	154	131257	499.420	ng/mL	96
11) 2,6-Dimethylnaphthalene	9.140	156	92722	509.543	ng/mL	100
12) Acenaphthylene	9.416	152	155240	491.705	ng/mL	100
13) Acenaphthene	9.597	153	104574	500.430	ng/mL	99
14) Dibenzofuran	9.755	168	148230	500.949	ng/mL	93
15) Fluorene	10.093	166	117039	509.352	ng/mL	95
16) 2,3,5-Trimethylnaphthalen	9.967	170	82920	510.952	ng/mL	81
19) Phenanthrene	11.030	178	176408	497.275	ng/mL	99
20) Anthracene	11.077	178	174468	530.382	ng/mL	99
21) Carbazole	11.235	167	164998	521.873	ng/mL#	83
22) 1-Methylphenanthrene	11.660	192	126049	523.218	ng/mL	97
23) Fluoranthene	12.298	202	197590	528.985	ng/mL#	87
26) Pyrene	12.574	202	216688	514.062	ng/mL#	85
27) Benz[a]anthracene	14.295	228	173634	516.830	ng/mL	98
28) Chrysene	14.366	228	180864	502.460	ng/mL	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071620.D
Acq On : 8 Mar 2016 3:14 am
Operator : PAH5:sf
Sample : I503071605
Misc : WG872128,MSAI12
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 09 13:18:17 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo[b]fluoranthene	16.133	252	198015	565.426	ng/mL	98
33) Benzo[k]fluoranthene	16.173	252	157293	498.826	ng/mL	98
34) Benzo[e]pyrene	16.599	252	165449	531.575	ng/mL	98
35) Benzo[a]pyrene	16.685	252	178870M4	544.995	ng/mL	
36) Perylene	16.827	252	179876	505.901	ng/mL	98
37) Indeno[1,2,3-cd]pyrene	18.721	276	143152M4	450.673	ng/mL	
38) Dibenz[a,h]anthracene	18.761	278	155487	476.770	ng/mL#	72
39) Benzo[g,h,i]perylene	19.258	276	163731	526.052	ng/mL#	79

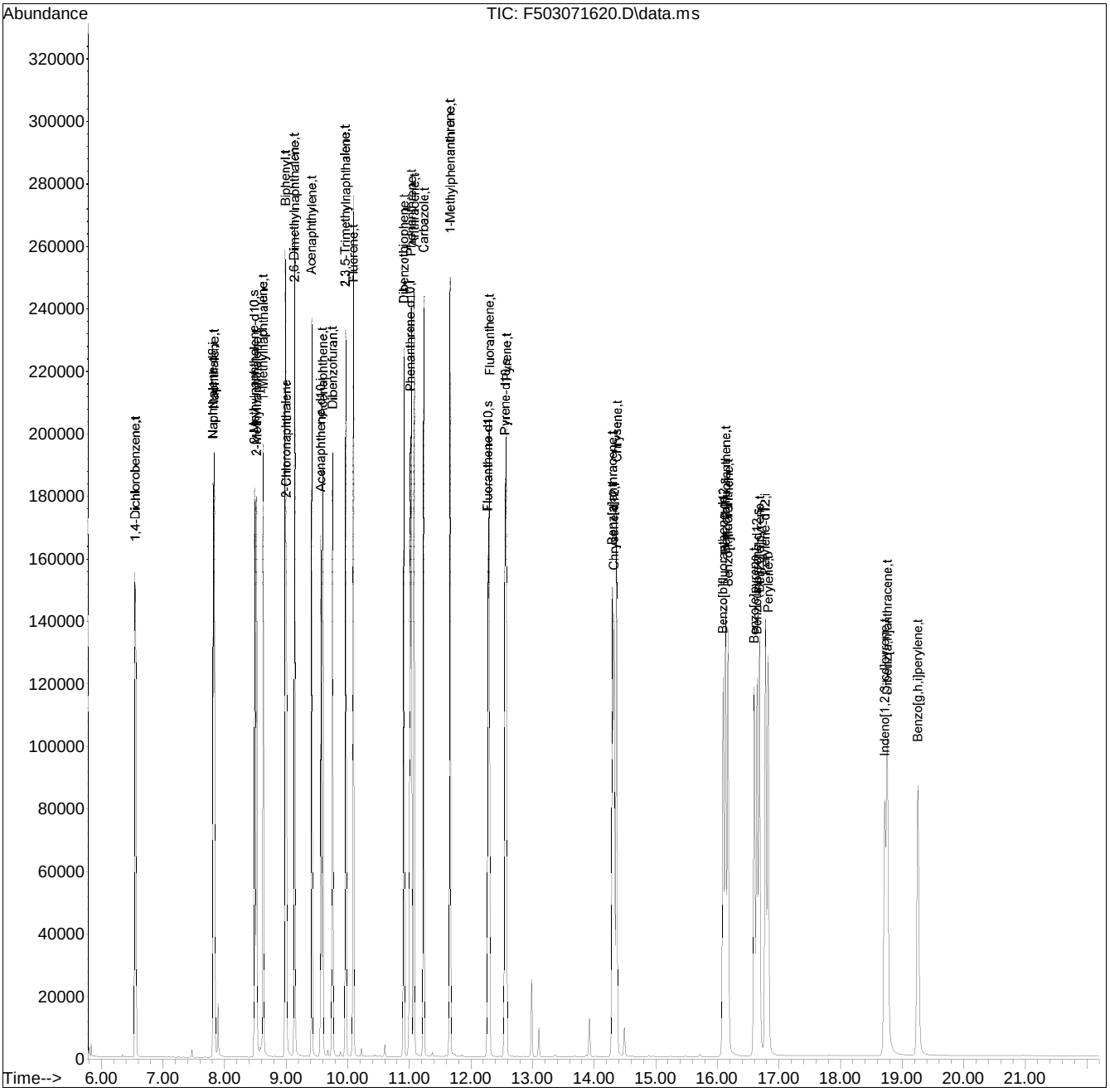
(#) = qualifier out of range (m) = manual integration (+) = signals summed

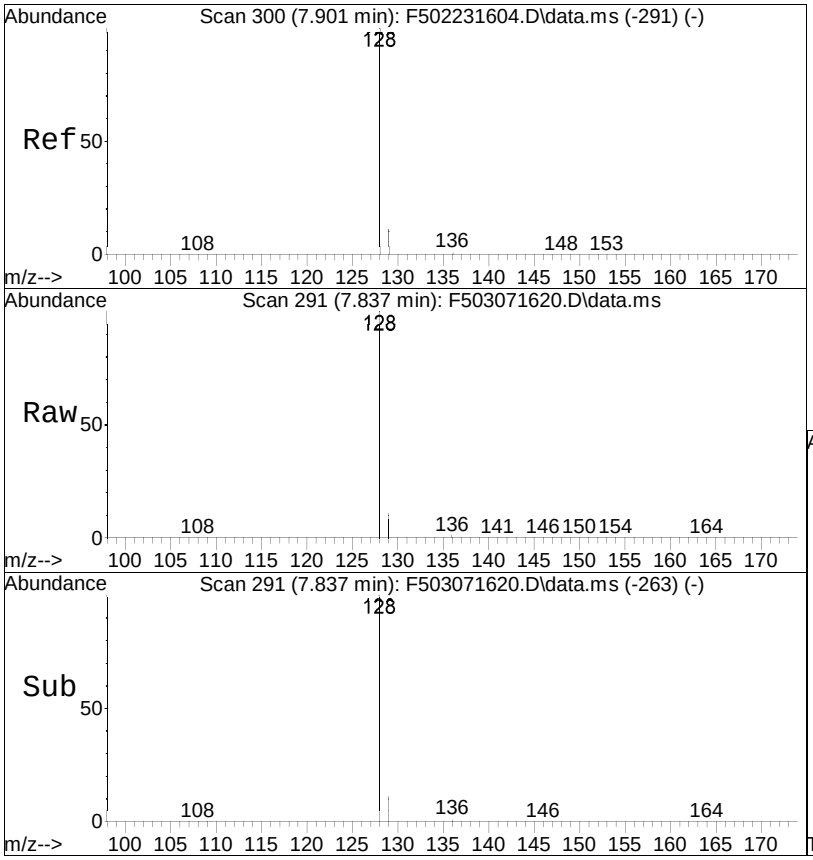
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071620.D
Acq On : 8 Mar 2016 3:14 am
Operator : PAH5:sf
Sample : I503071605
Misc : WG872128,MSAI12
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 09 13:18:17 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

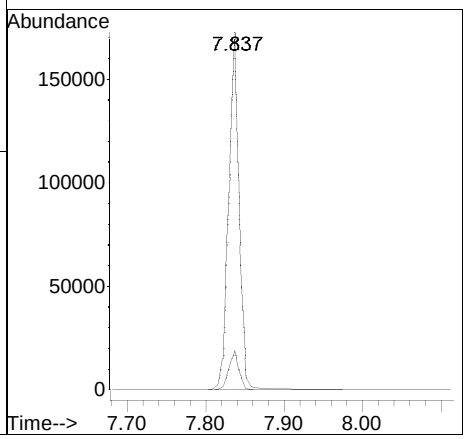


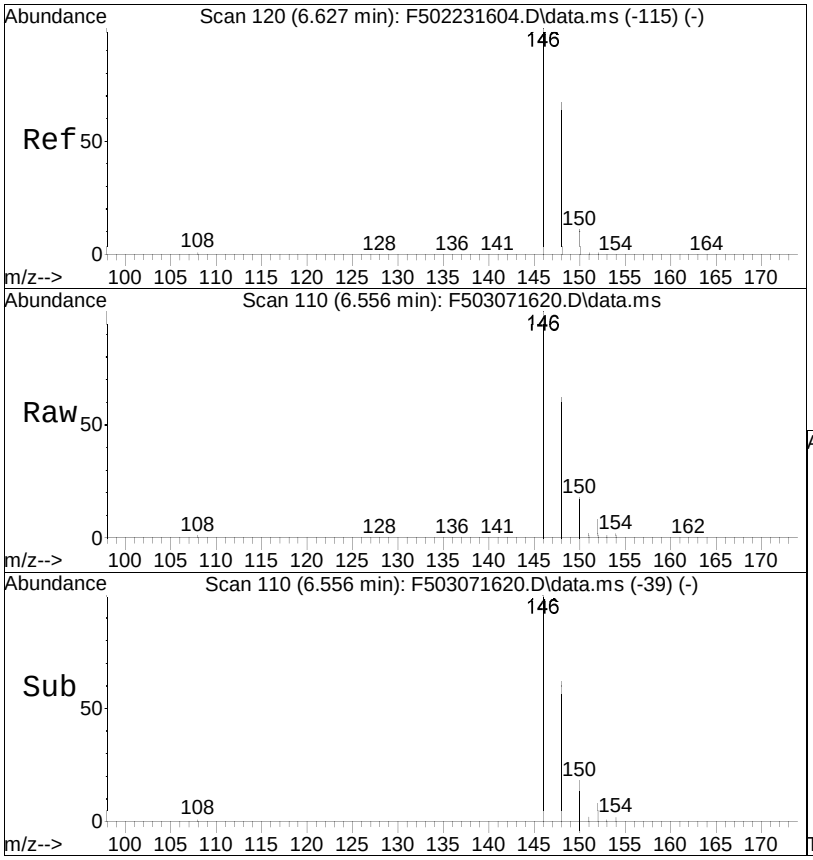


#2
Naphthalene
Concen: 499.24 ng/mL
RT: 7.837 min Scan# 291
Delta R.T. 0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:128 Resp: 155221

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.2	13.8

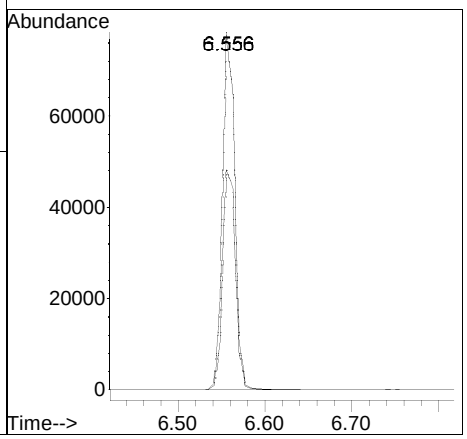


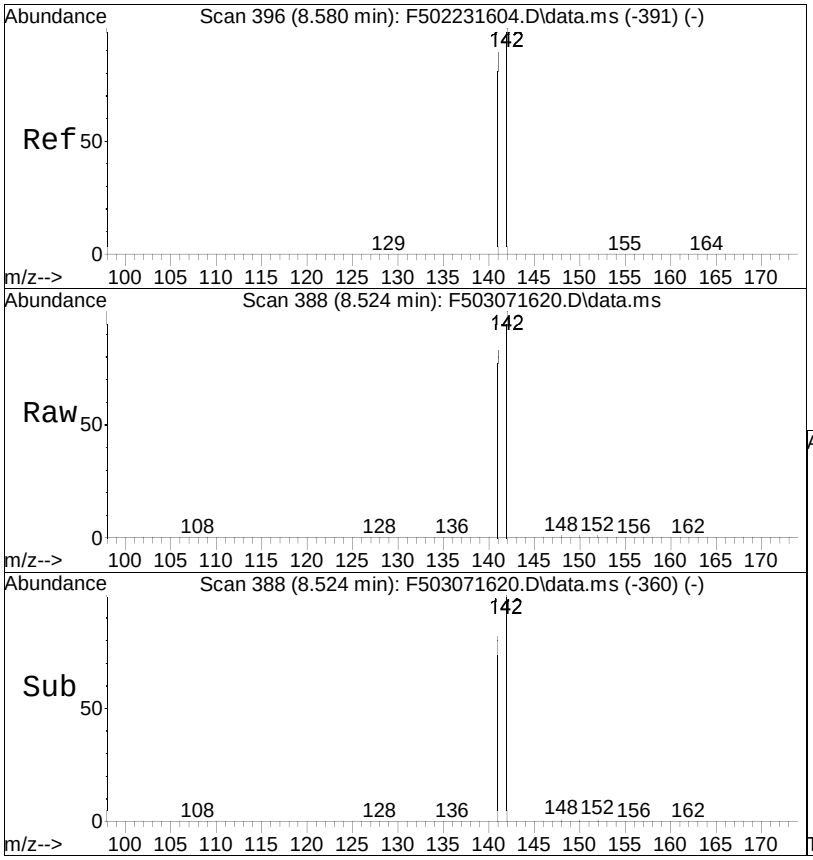


#3
1,4-Dichlorobenzene
Concen: 496.22 ng/mL
RT: 6.556 min Scan# 110
Delta R.T. 0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:146 Resp: 74933

Ion	Ratio	Lower	Upper
146	100		
148	64.7	50.2	75.4

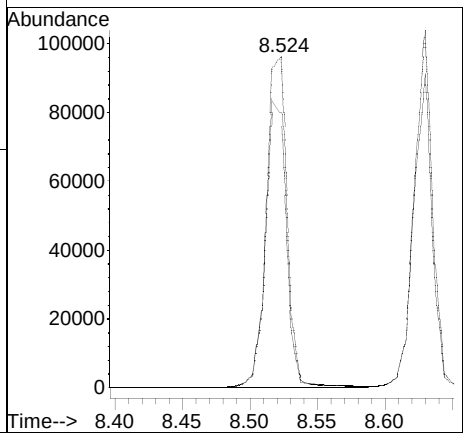


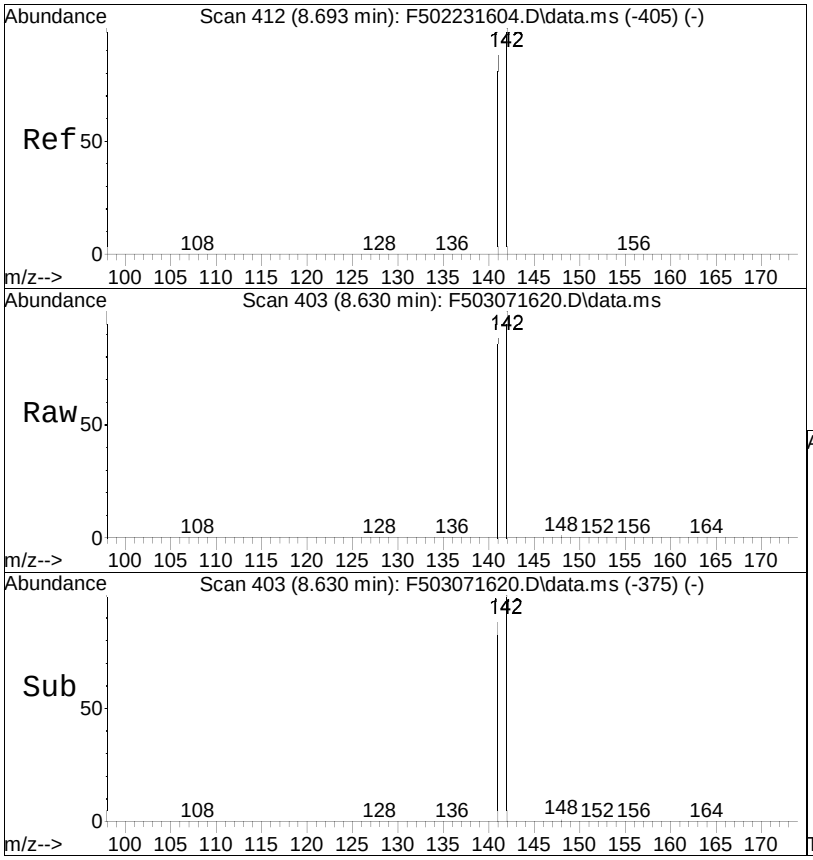


#5
2-Methylnaphthalene
Concen: 504.49 ng/mL
RT: 8.524 min Scan# 388
Delta R.T. 0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:142 Resp: 104463

Ion	Ratio	Lower	Upper
142	100		
141	82.5	70.9	106.3

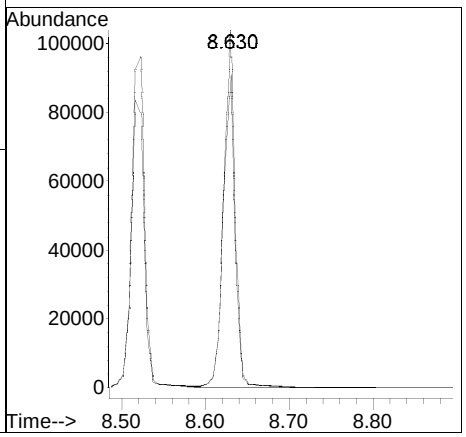


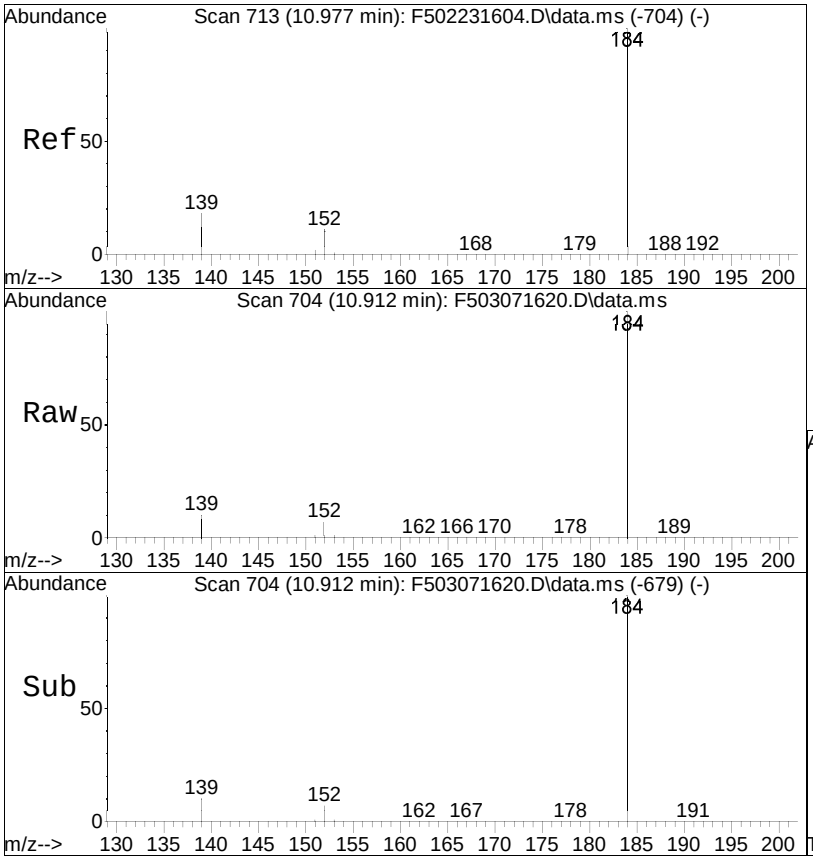


#6
1-Methylnaphthalene
Concen: 504.23 ng/mL
RT: 8.630 min Scan# 403
Delta R.T. 0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:142 Resp: 99669

Ion	Ratio	Lower	Upper
142	100		
141	87.8	71.9	107.9

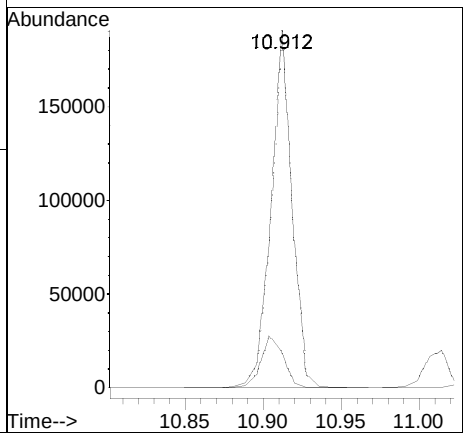


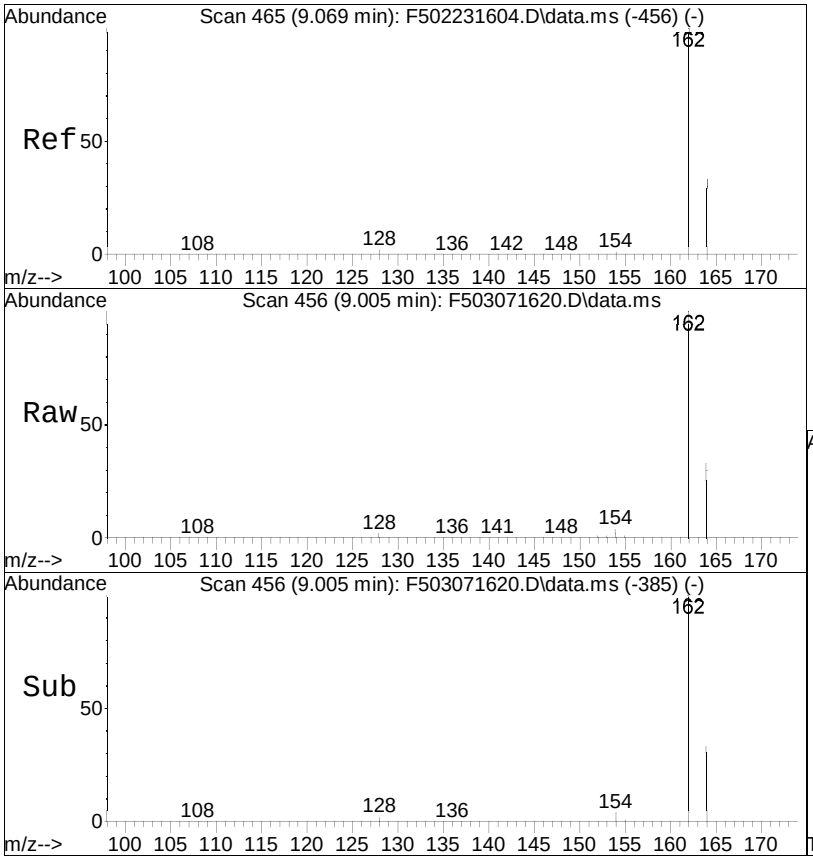


#8
Dibenzothiophene
Concen: 514.44 ng/mL
RT: 10.912 min Scan# 704
Delta R.T. 0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:184 Resp: 174727

Ion	Ratio	Lower	Upper
184	100		
139	10.3	9.0	13.4

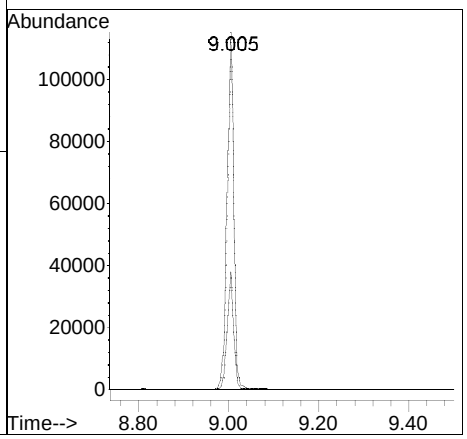


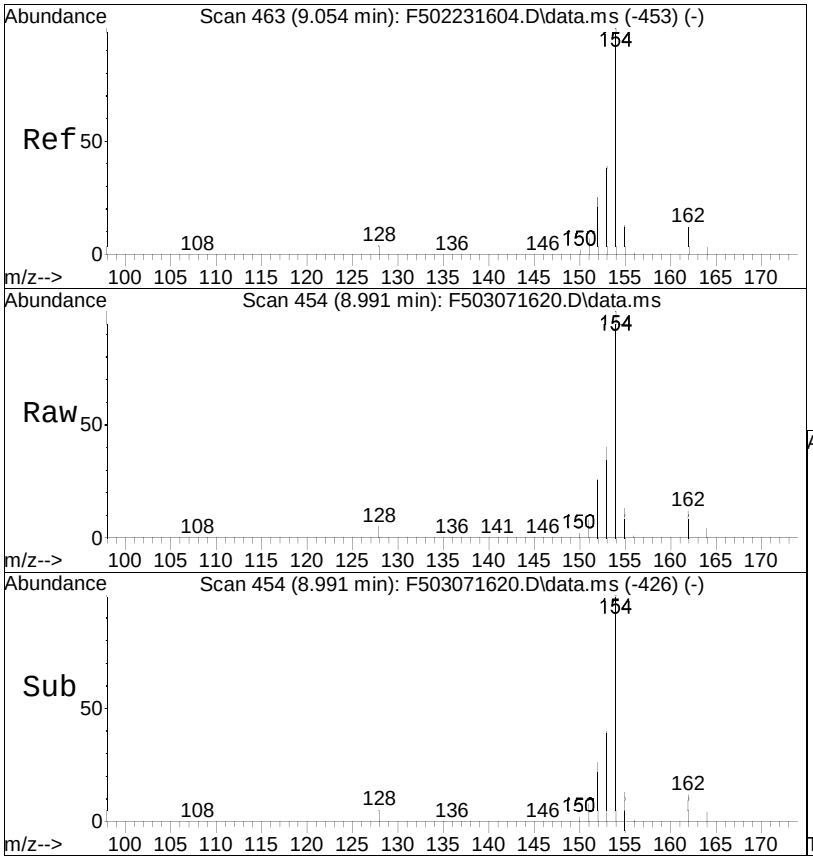


#9
2-Chloronaphthalene
Concen: 504.12 ng/mL
RT: 9.005 min Scan# 456
Delta R.T. 0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:162 Resp: 112426

Ion	Ratio	Lower	Upper
162	100		
164	32.7	26.2	39.4

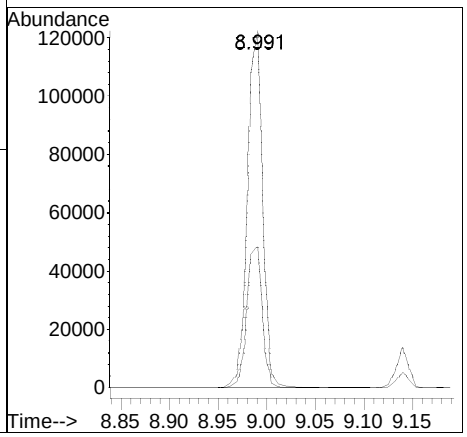


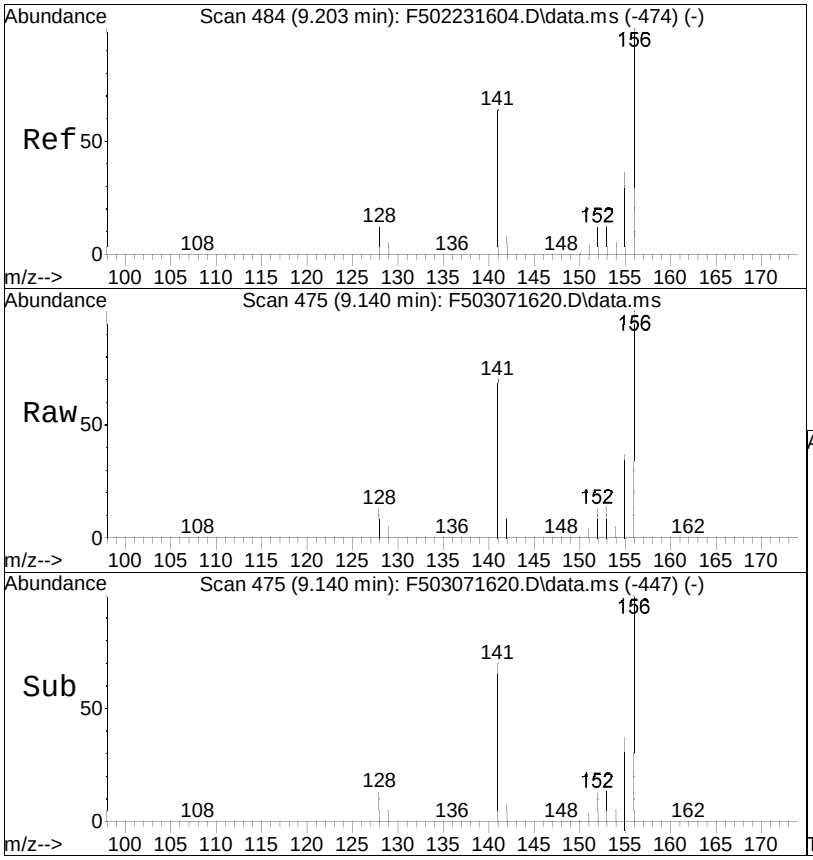


#10
Biphenyl
Concen: 499.42 ng/mL
RT: 8.991 min Scan# 454
Delta R.T. 0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:154 Resp: 131257

Ion	Ratio	Lower	Upper
154	100		
153	39.6	33.7	50.5

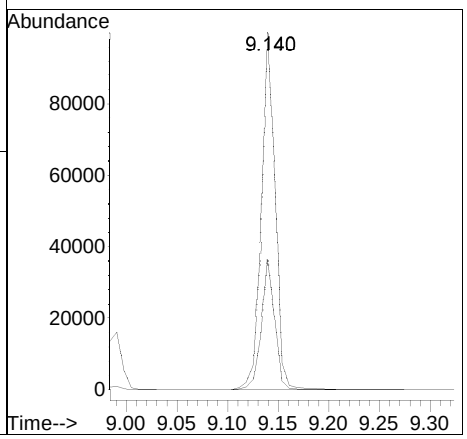


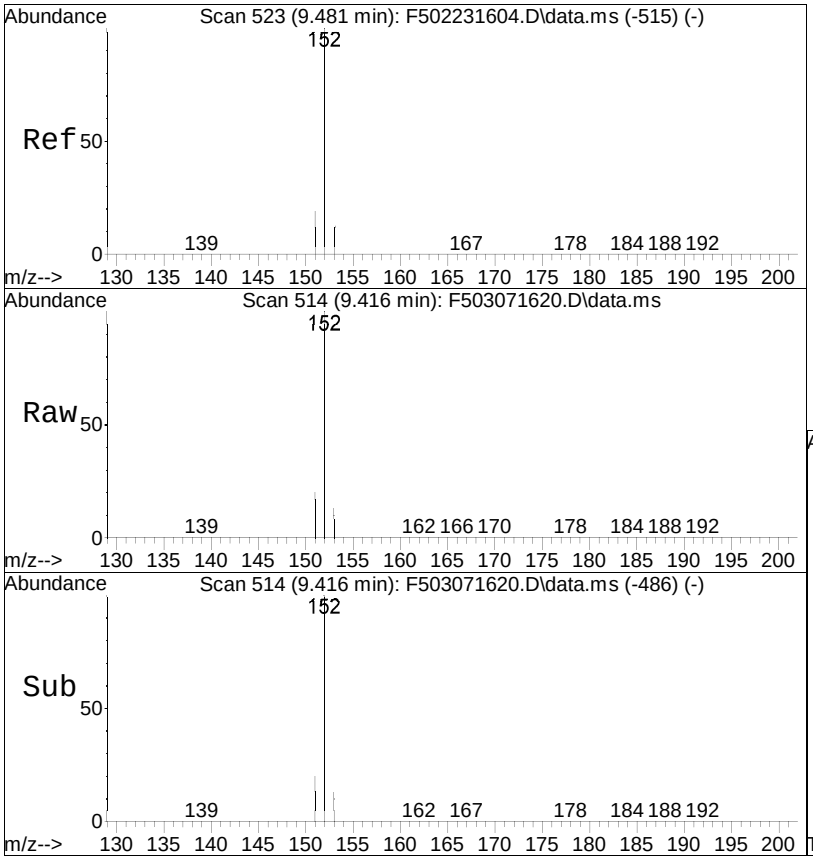


#11
2,6-Dimethylnaphthalene
Concen: 509.54 ng/mL
RT: 9.140 min Scan# 475
Delta R.T. 0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:156 Resp: 92722

Ion	Ratio	Lower	Upper
156	100		
155	36.6	29.2	43.8

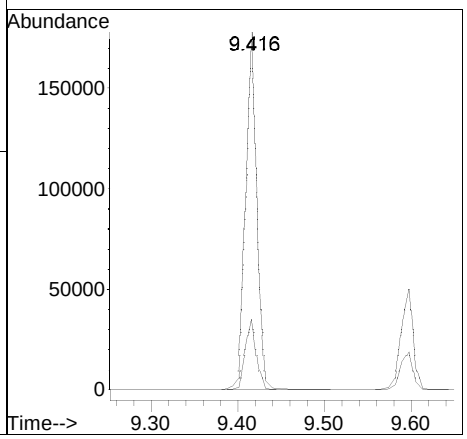


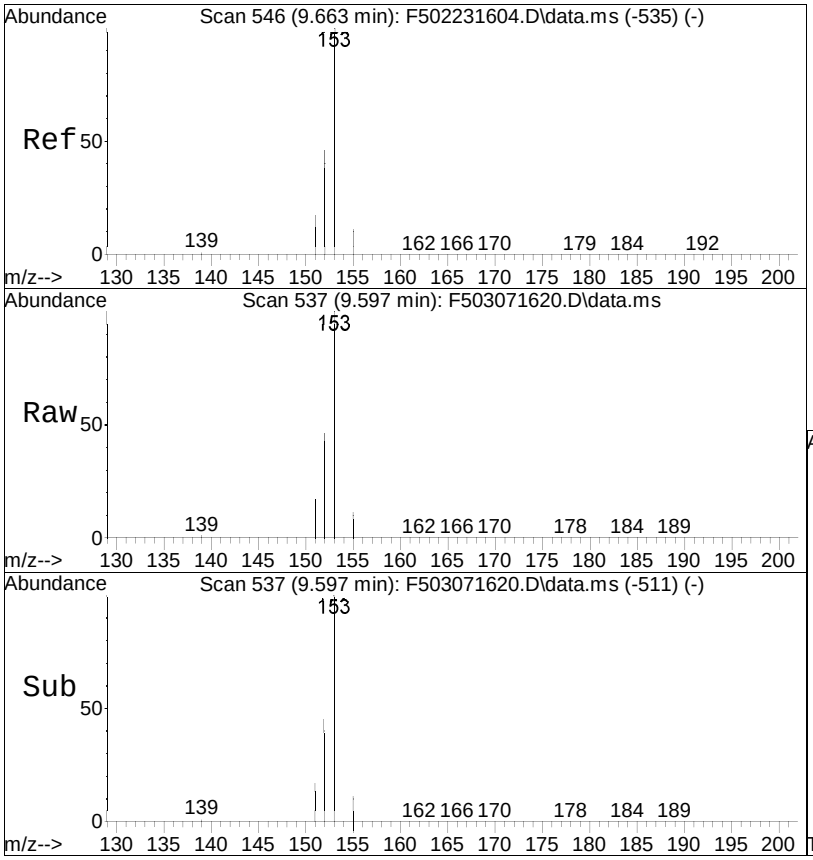


#12
Acenaphthylene
Concen: 491.70 ng/mL
RT: 9.416 min Scan# 514
Delta R.T. 0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:152 Resp: 155240

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.1	24.1

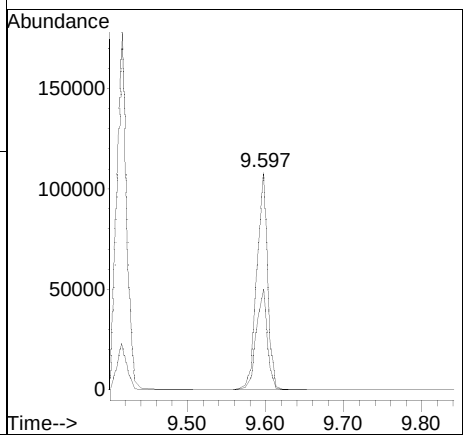


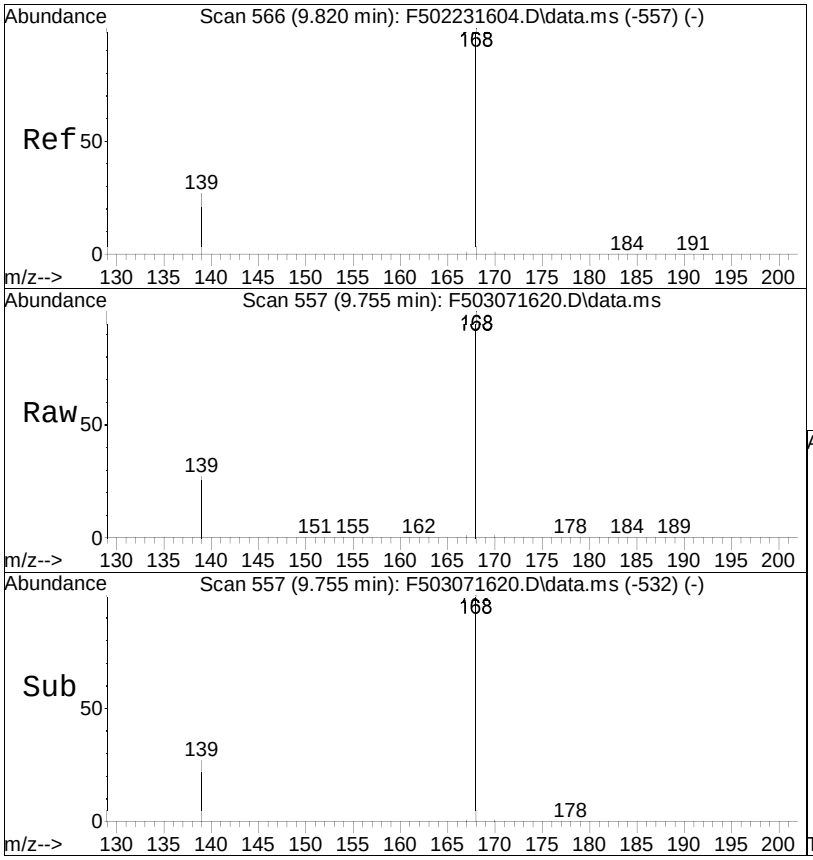


#13
Acenaphthene
Concen: 500.43 ng/mL
RT: 9.597 min Scan# 537
Delta R.T. 0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:153 Resp: 104574

Ion	Ratio	Lower	Upper
153	100		
152	46.3	37.8	56.8

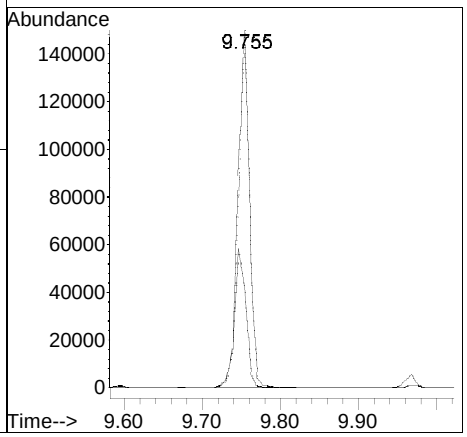


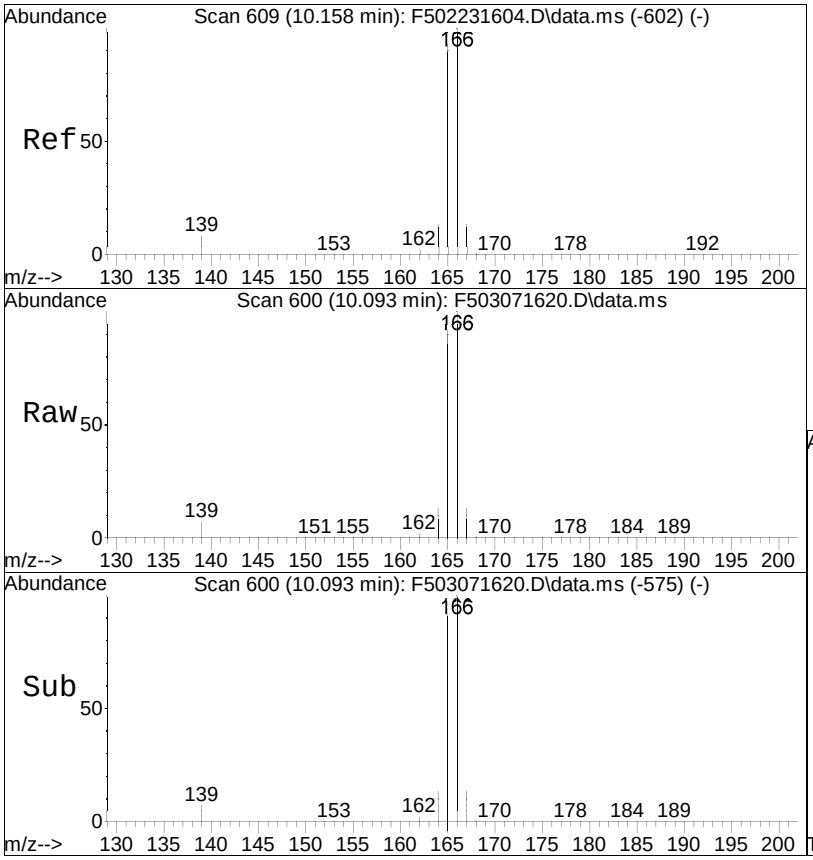


#14
Dibenzofuran
Concen: 500.95 ng/mL
RT: 9.755 min Scan# 557
Delta R.T. 0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:168 Resp: 148230

Ion	Ratio	Lower	Upper
168	100		
139	26.9	24.6	37.0

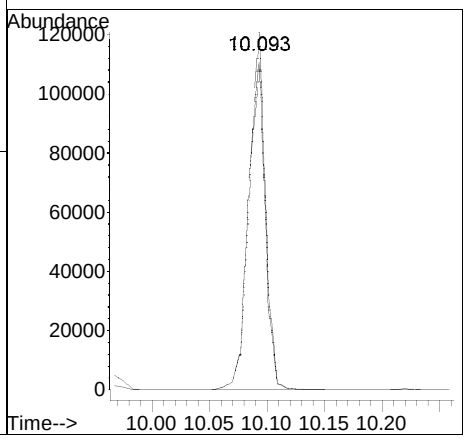


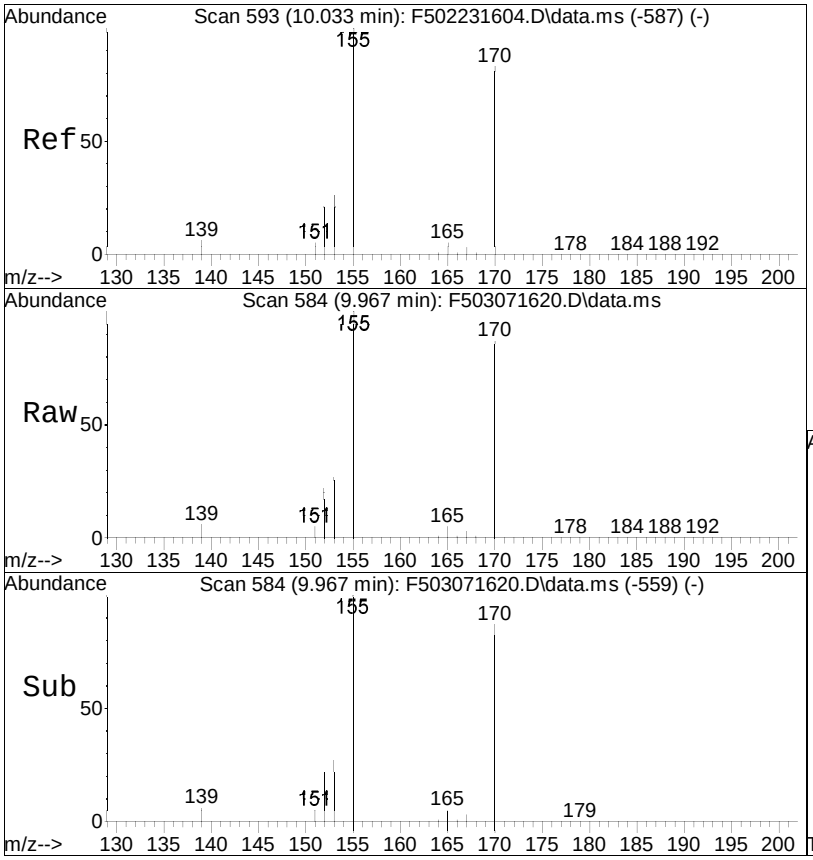


#15
Fluorene
Concen: 509.35 ng/mL
RT: 10.093 min Scan# 600
Delta R.T. 0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:166 Resp: 117039

Ion	Ratio	Lower	Upper
166	100		
165	91.7	77.3	115.9

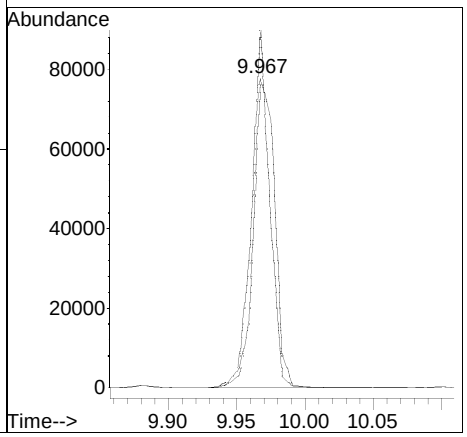


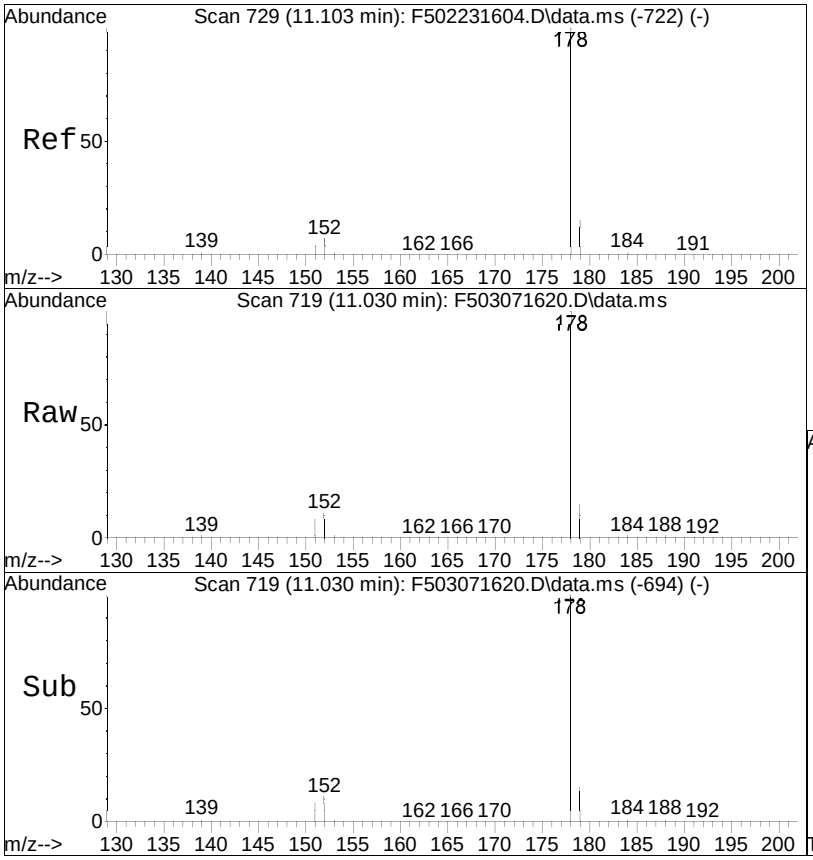


#16
2,3,5-Trimethylnaphthalene
Concen: 510.95 ng/mL
RT: 9.967 min Scan# 584
Delta R.T. 0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:170 Resp: 82920

Ion	Ratio	Lower	Upper
170	100		
155	115.4	77.5	116.3

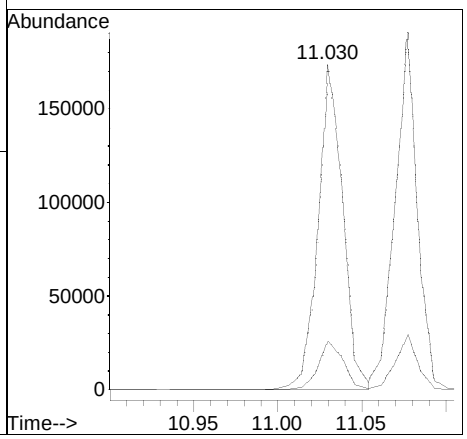


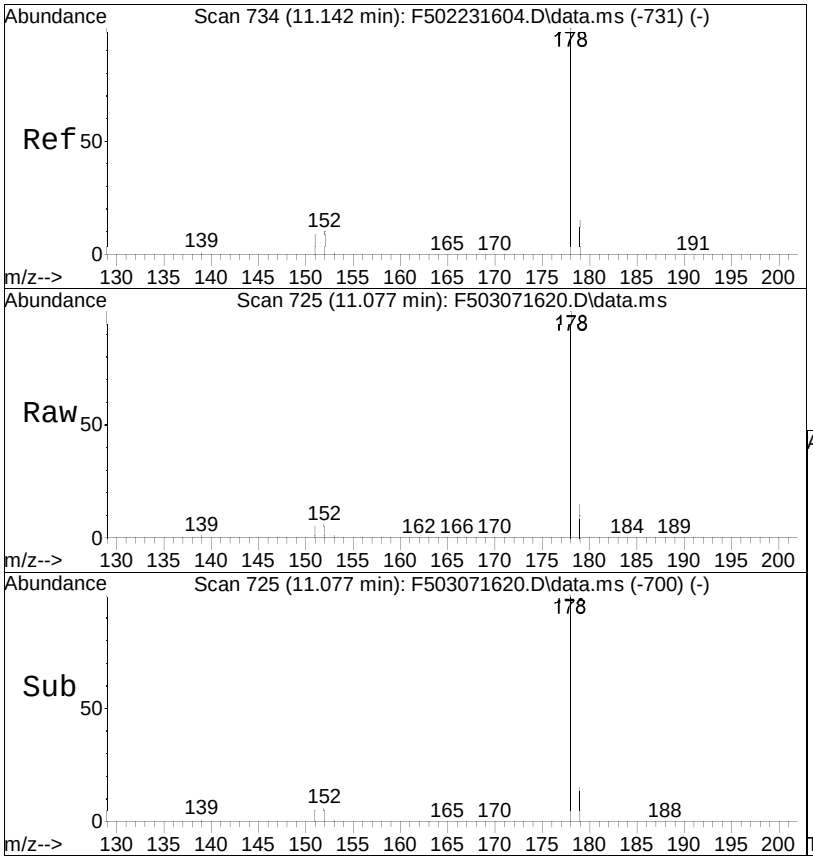


#19
Phenanthrene
Concen: 497.27 ng/mL
RT: 11.030 min Scan# 719
Delta R.T. 0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:178 Resp: 176408

Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.4	18.6

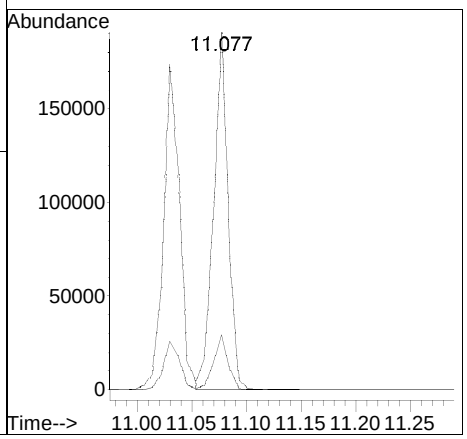


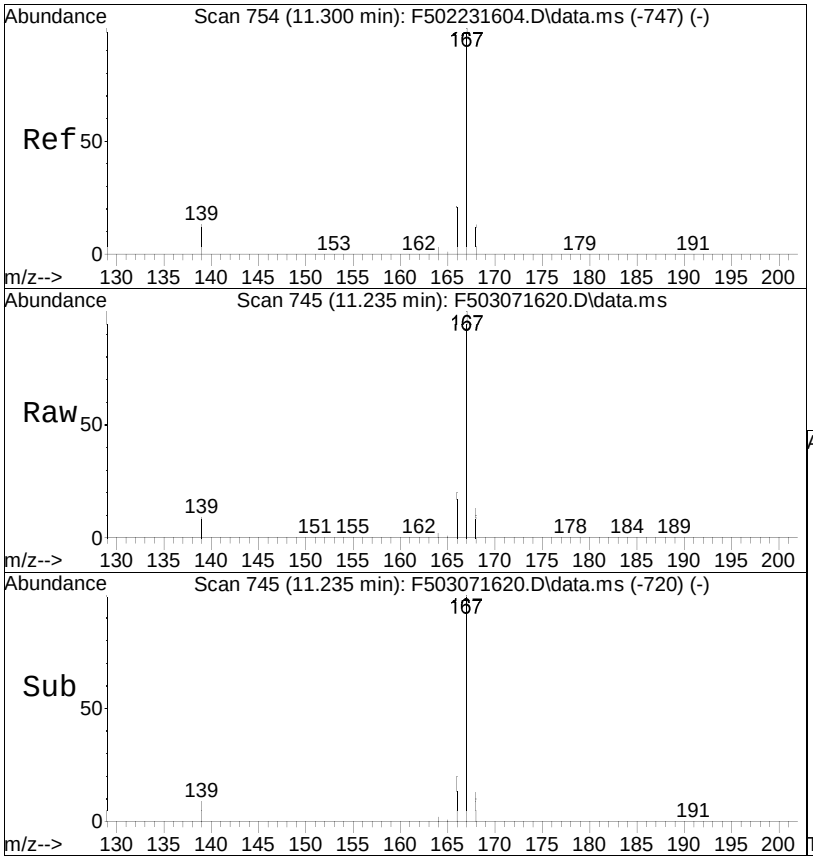


#20
Anthracene
Concen: 530.38 ng/mL
RT: 11.077 min Scan# 725
Delta R.T. 0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:178 Resp: 174468

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	19.0

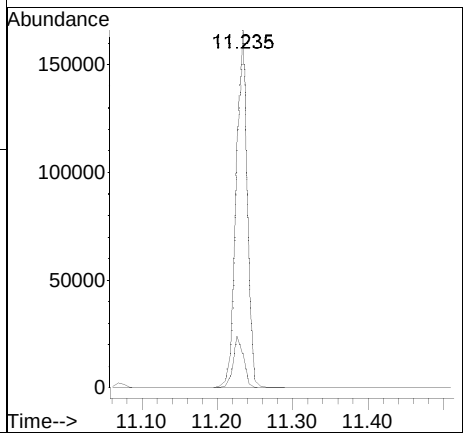


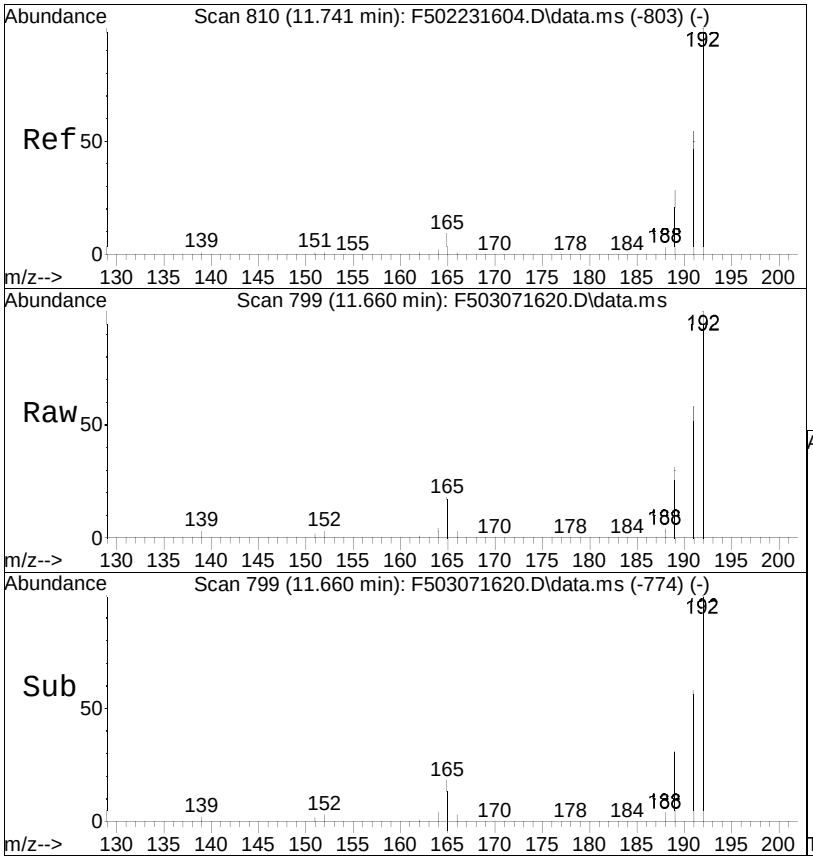


#21
Carbazole
Concen: 521.87 ng/mL
RT: 11.235 min Scan# 745
Delta R.T. -0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:167 Resp: 164998

Ion	Ratio	Lower	Upper
167	100		
139	9.4	13.4	20.0#

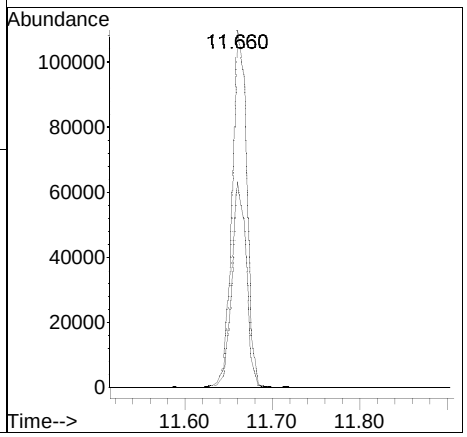


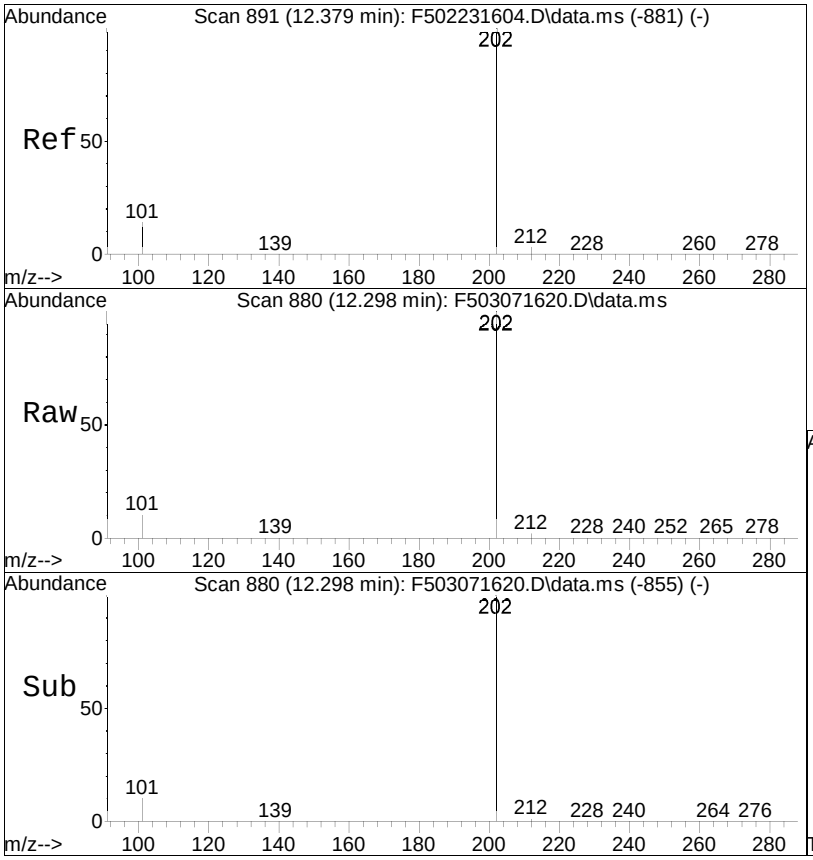


#22
1-Methylphenanthrene
Concen: 523.22 ng/mL
RT: 11.660 min Scan# 799
Delta R.T. -0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:192 Resp: 126049

Ion	Ratio	Lower	Upper
192	100		
191	57.7	44.2	66.4

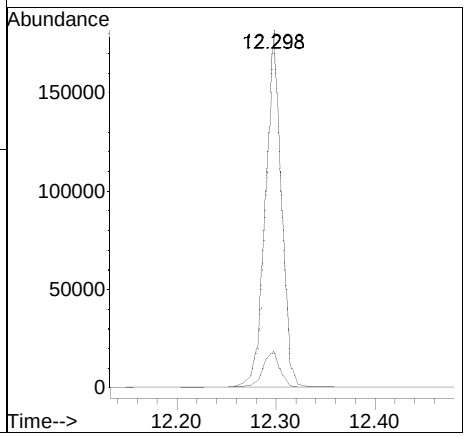


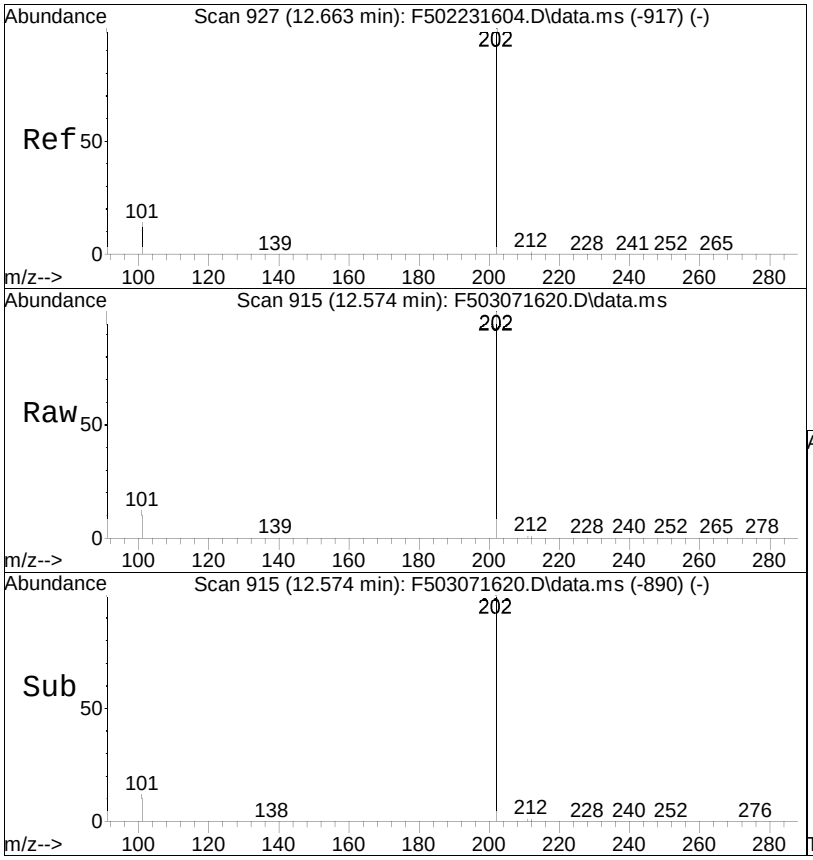


#23
Fluoranthene
Concen: 528.99 ng/mL
RT: 12.298 min Scan# 880
Delta R.T. 0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:202 Resp: 197590

Ion	Ratio	Lower	Upper
202	100		
101	10.3	12.6	19.0#

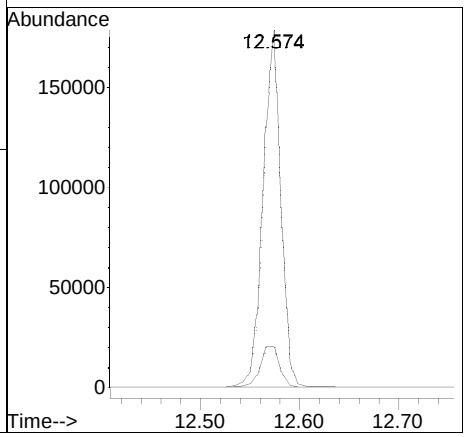


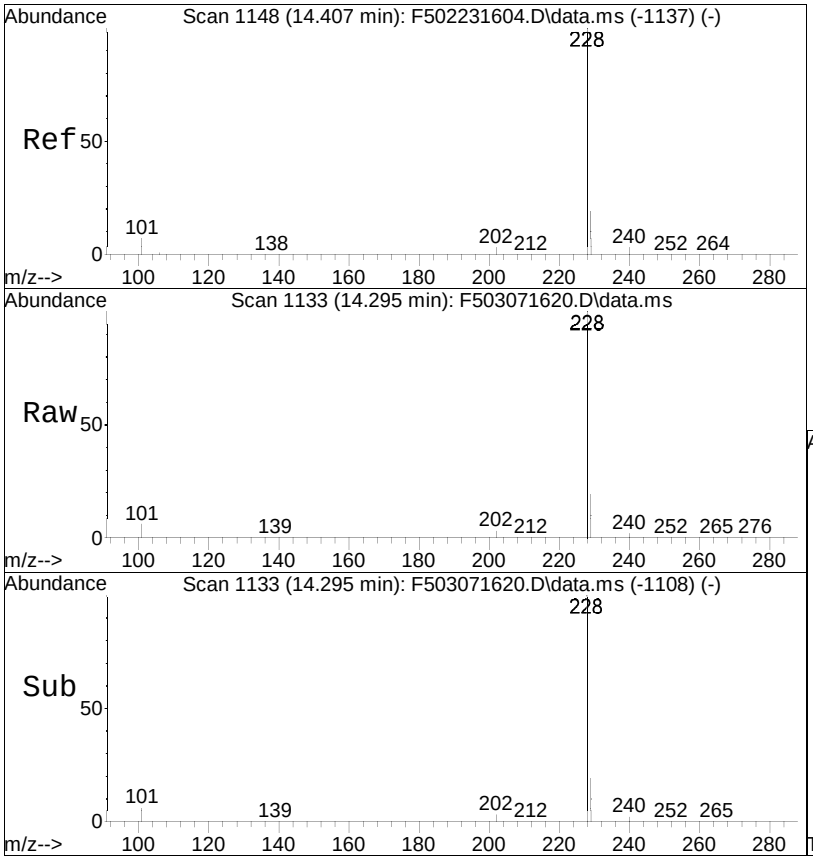


#26
Pyrene
Concen: 514.06 ng/mL
RT: 12.574 min Scan# 915
Delta R.T. 0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:202 Resp: 216688

Ion	Ratio	Lower	Upper
202	100		
101	11.5	14.4	21.6#

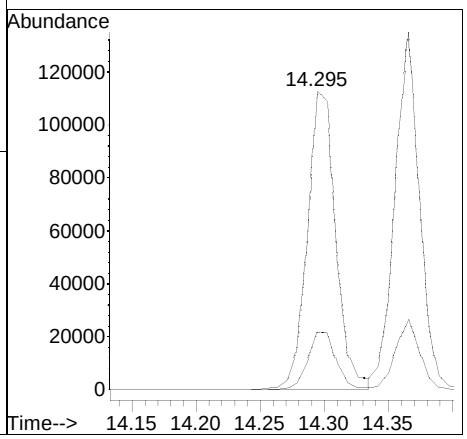


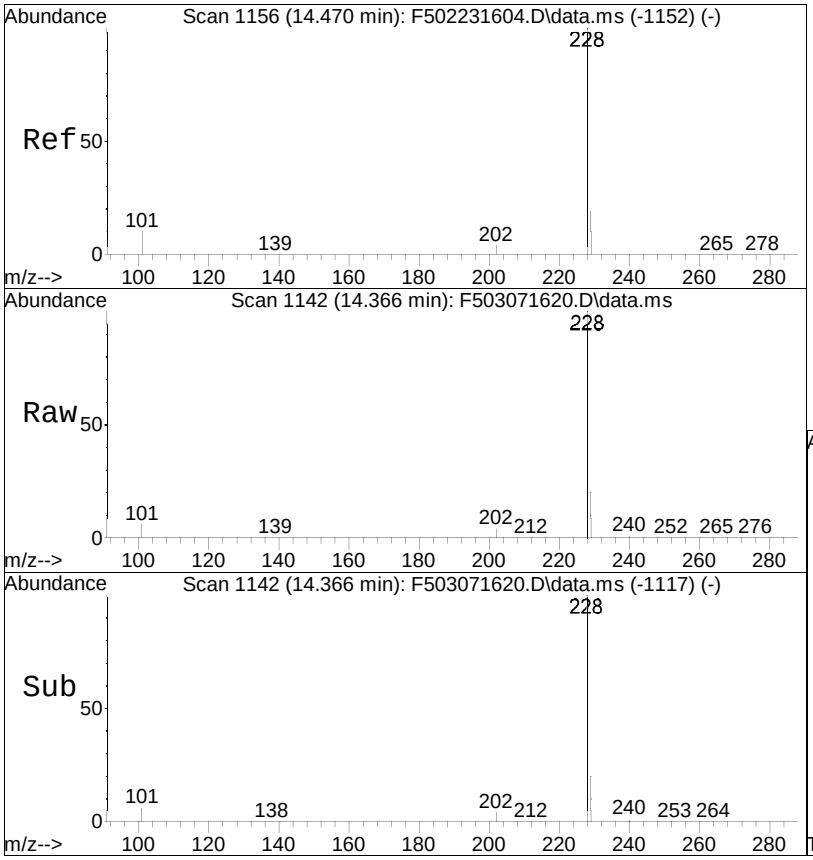


#27
Benz[a]anthracene
Concen: 516.83 ng/mL
RT: 14.295 min Scan# 1133
Delta R.T. -0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:228 Resp: 173634

Ion	Ratio	Lower	Upper
228	100		
229	19.3	16.2	24.2

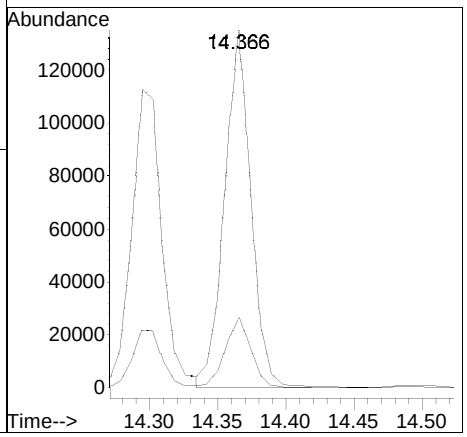


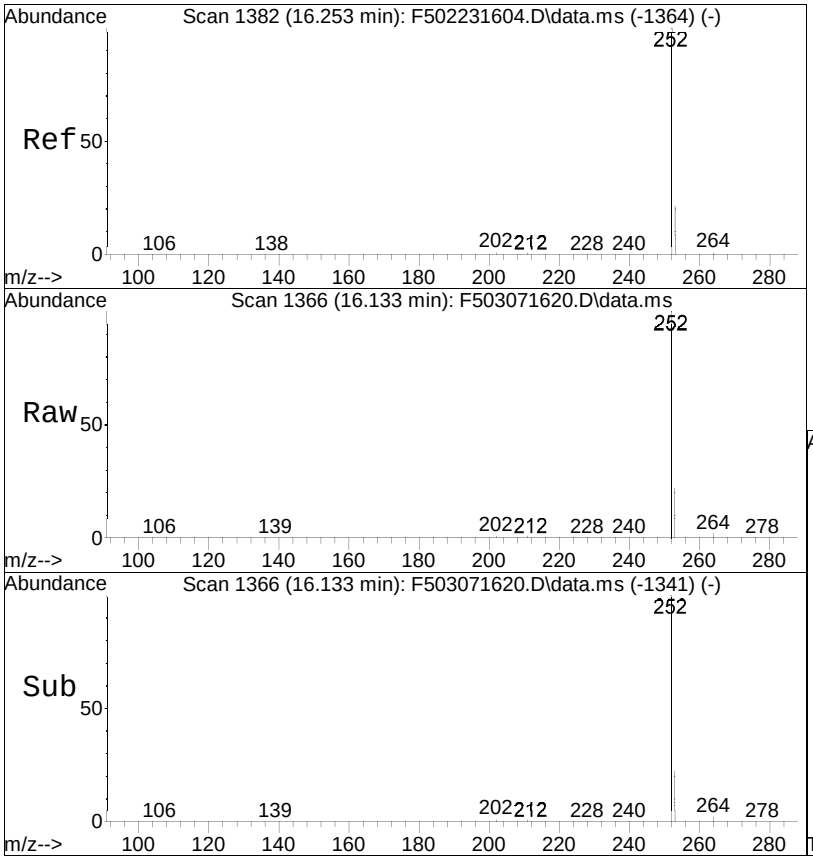


#28
Chrysene
Concen: 502.46 ng/mL
RT: 14.366 min Scan# 1142
Delta R.T. -0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:228 Resp: 180864

Ion	Ratio	Lower	Upper
228	100		
229	19.7	16.1	24.1

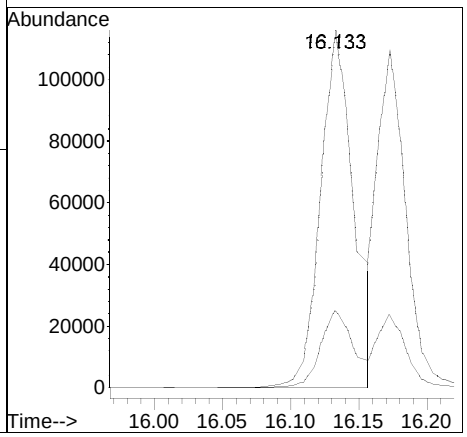


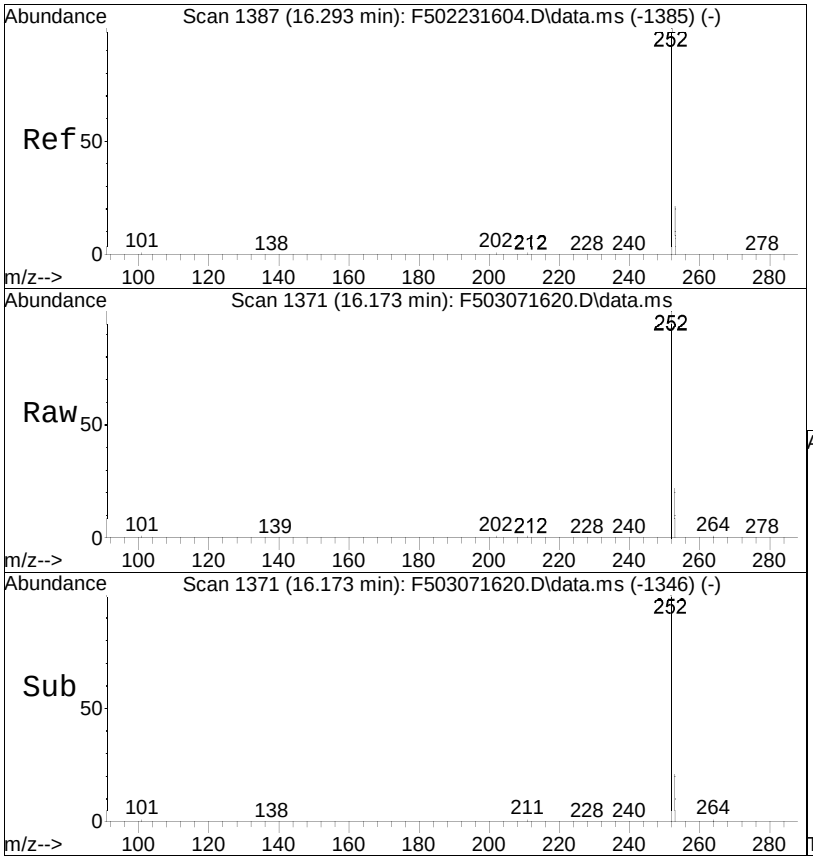


#32
Benzo[b]fluoranthene
Concen: 565.43 ng/mL
RT: 16.133 min Scan# 1366
Delta R.T. 0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:252 Resp: 198015

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.4

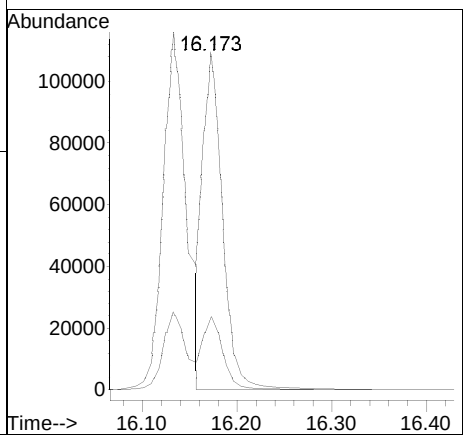


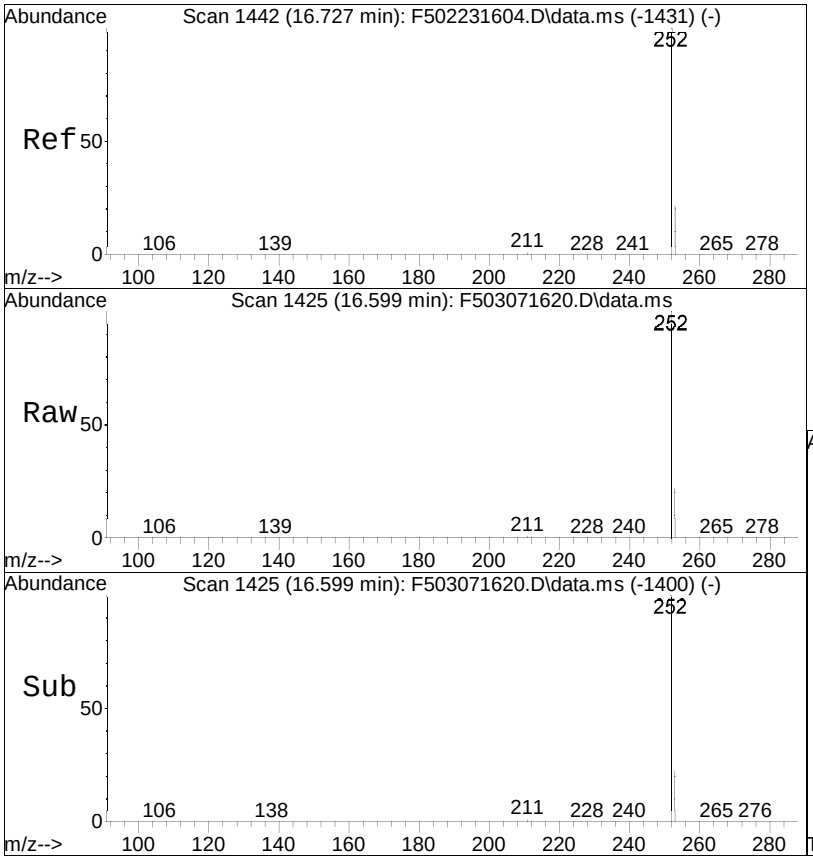


#33
Benzo[k]fluoranthene
Concen: 498.83 ng/mL
RT: 16.173 min Scan# 1371
Delta R.T. -0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:252 Resp: 157293

Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.2	27.2

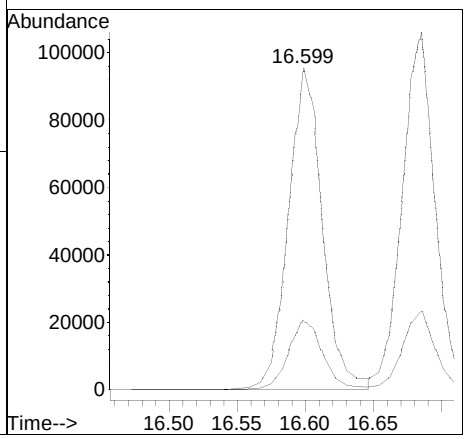


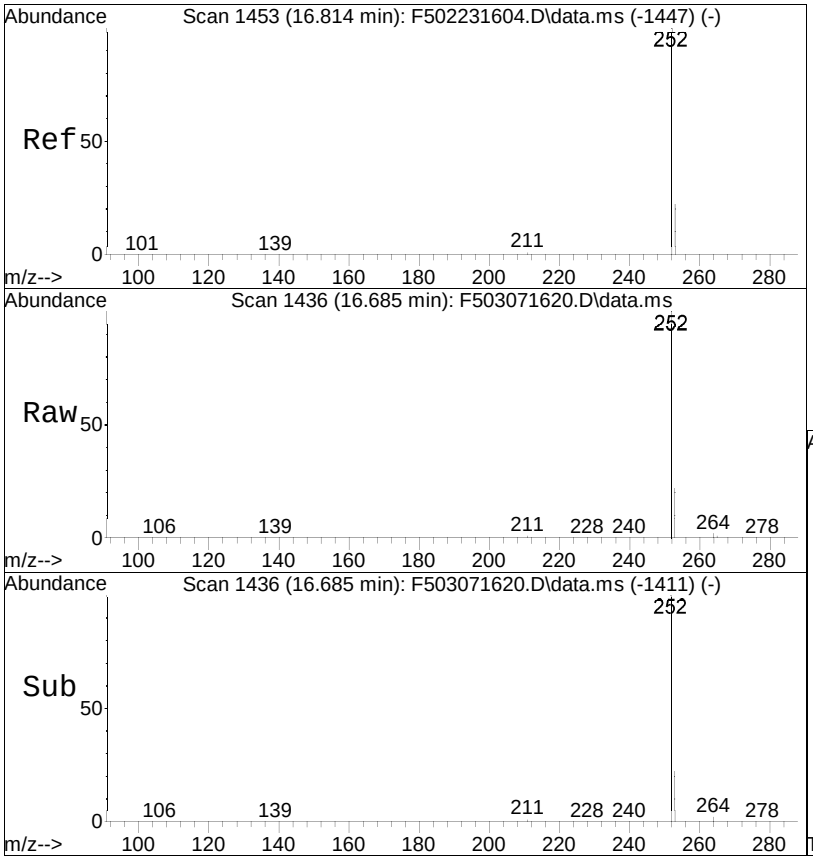


#34
Benzo[e]pyrene
Concen: 531.58 ng/mL
RT: 16.599 min Scan# 1425
Delta R.T. -0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:252 Resp: 165449

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.4

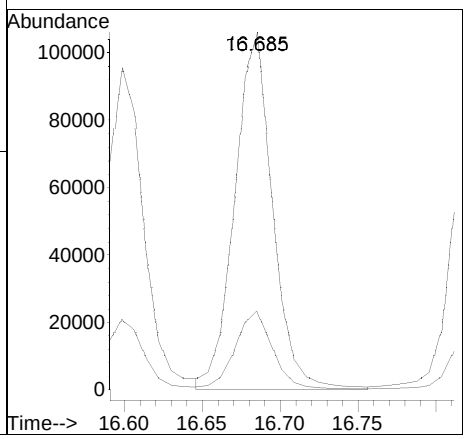


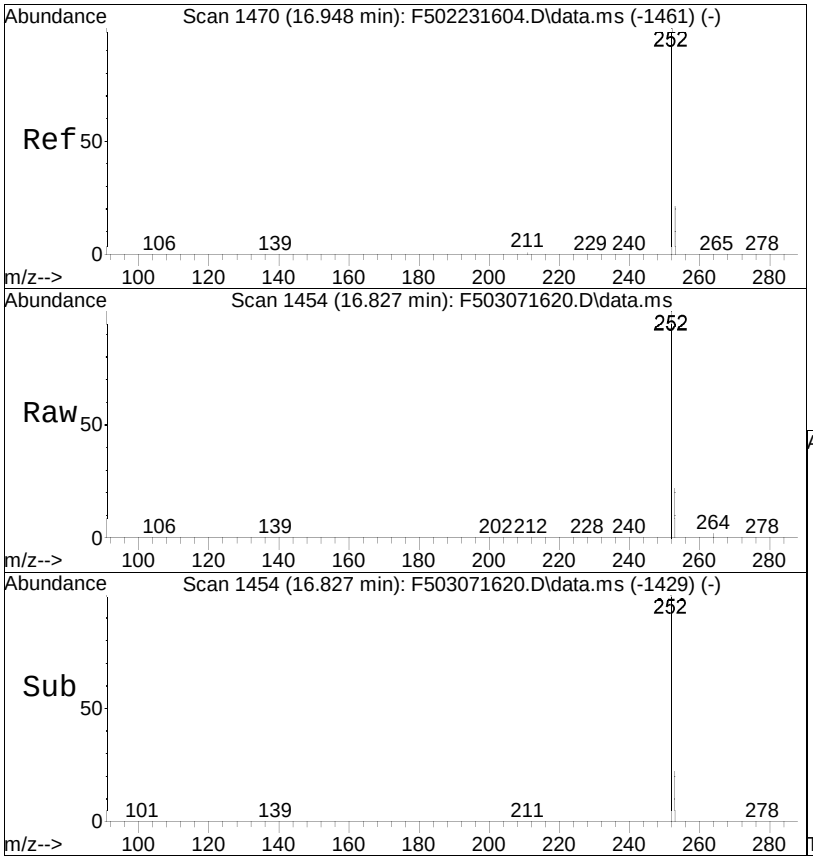


#35
Benzo[a]pyrene
Concen: 545.00 ng/mL M4
RT: 16.685 min Scan# 1436
Delta R.T. 0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:252 Resp: 178870

Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.6	27.8

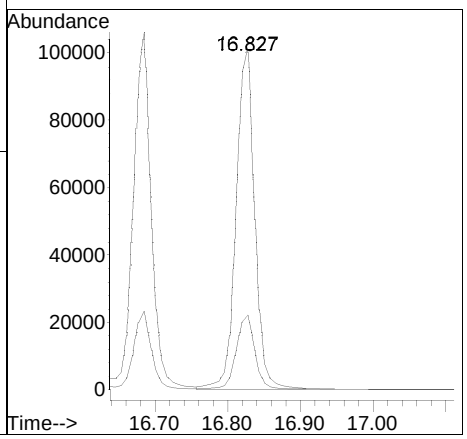


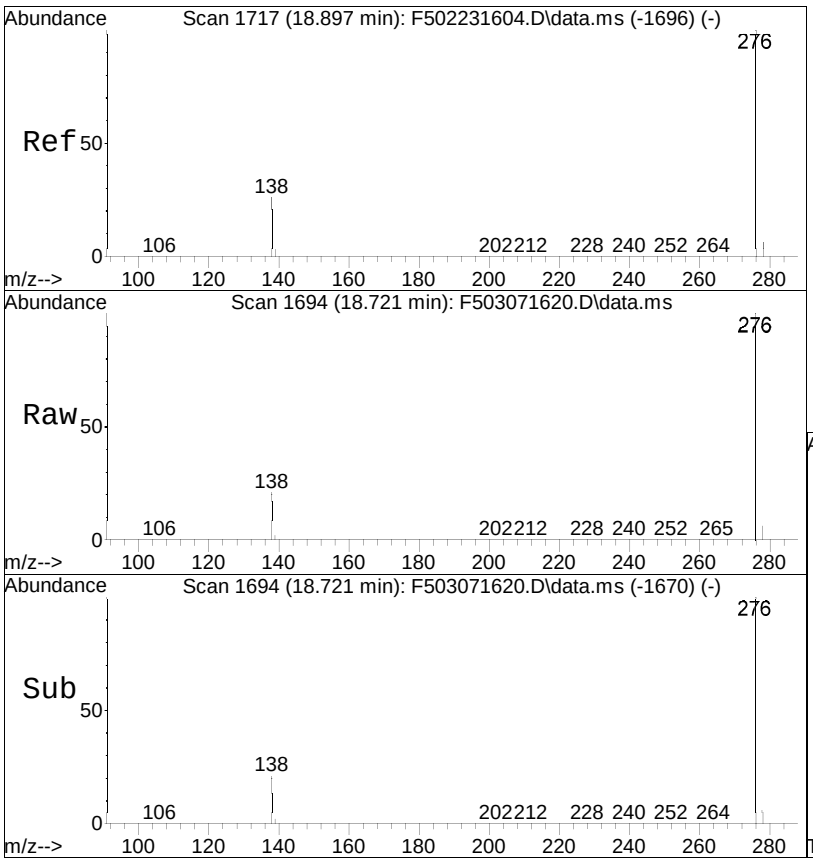


#36
Perylene
Concen: 505.90 ng/mL
RT: 16.827 min Scan# 1454
Delta R.T. 0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:252 Resp: 179876

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.3	27.5

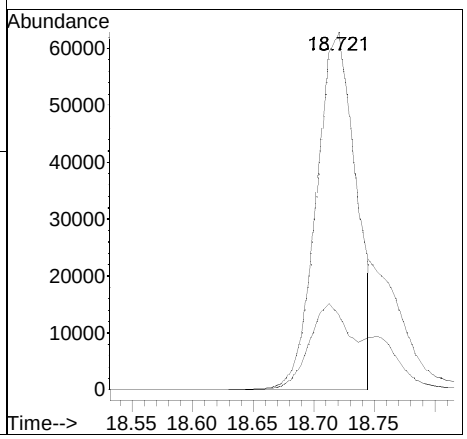


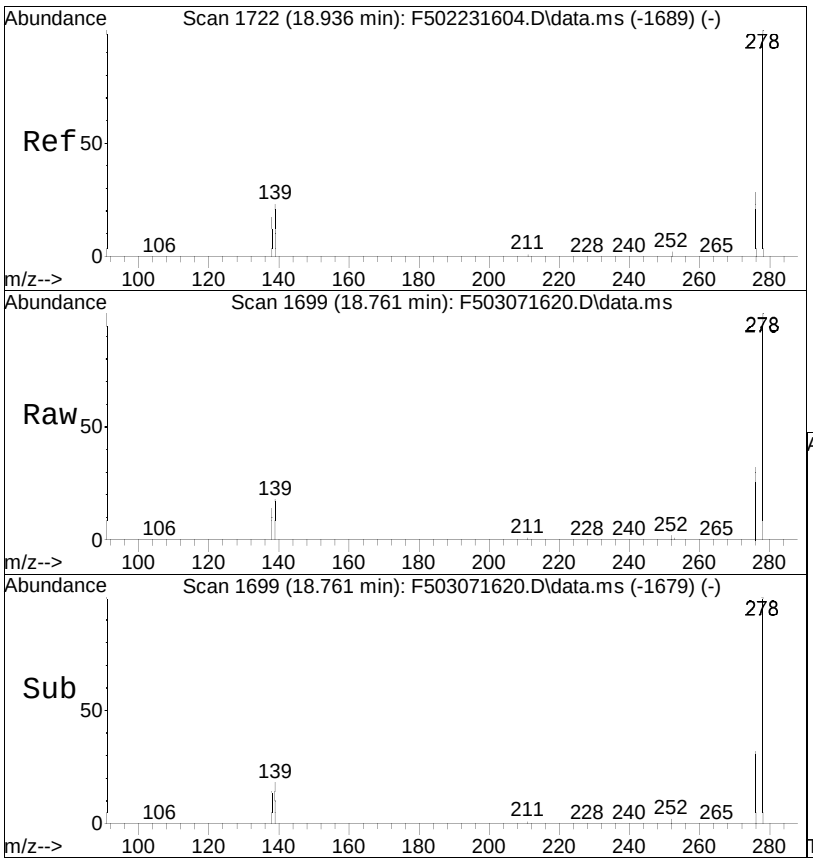


#37
Indeno[1,2,3-cd]pyrene
Concen: 450.67 ng/mL M4
RT: 18.721 min Scan# 1694
Delta R.T. 0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:276 Resp: 143152

Ion	Ratio	Lower	Upper
276	100		
138	27.4	31.1	46.7#

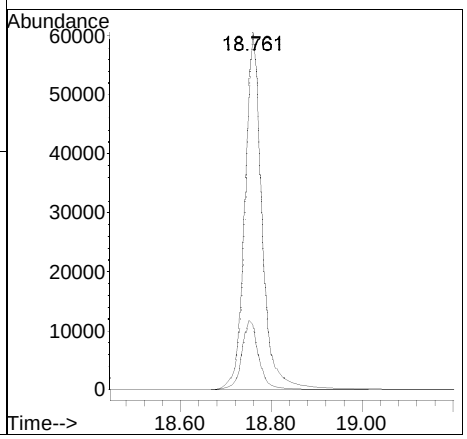


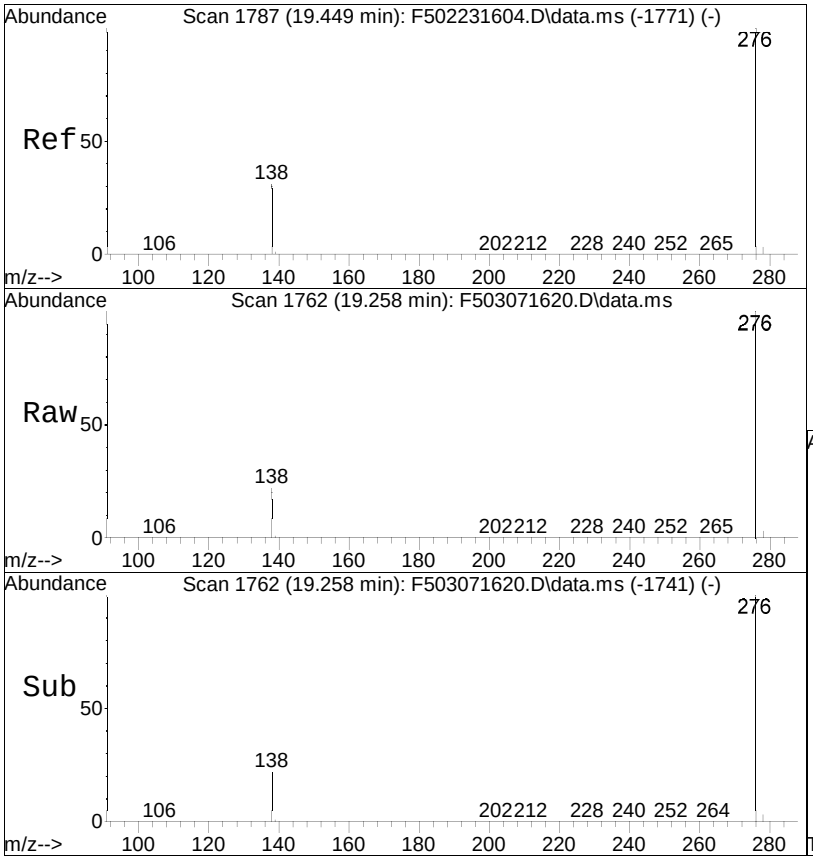


#38
Dibenz[a,h]anthracene
Concen: 476.77 ng/mL
RT: 18.761 min Scan# 1699
Delta R.T. -0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:278 Resp: 155487

Ion	Ratio	Lower	Upper
278	100		
139	18.4	27.5	41.3#

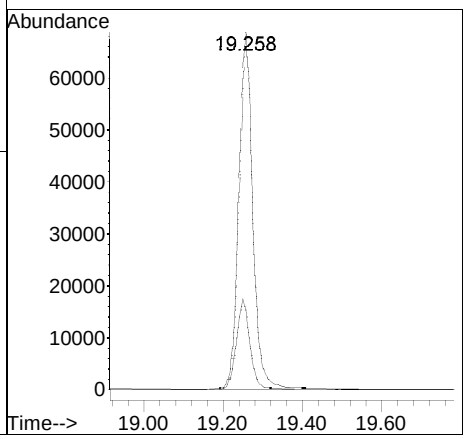




#39
Benzo[g,h,i]perylene
Concen: 526.05 ng/mL
RT: 19.258 min Scan# 1762
Delta R.T. -0.000 min
Lab File: F503071620.D
Acq: 8 Mar 2016 3:14 am

Tgt Ion:276 Resp: 163731

Ion	Ratio	Lower	Upper
276	100		
138	22.1	27.4	41.2#

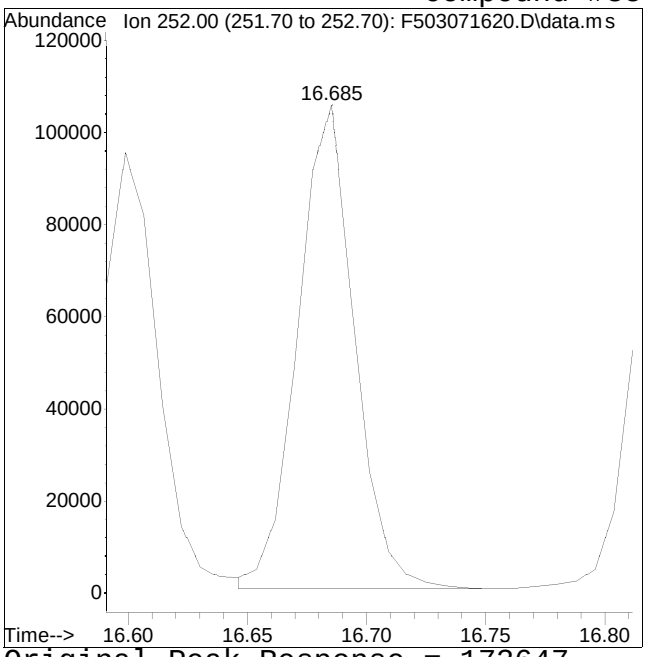


Manual Integration/Negative Proof Report

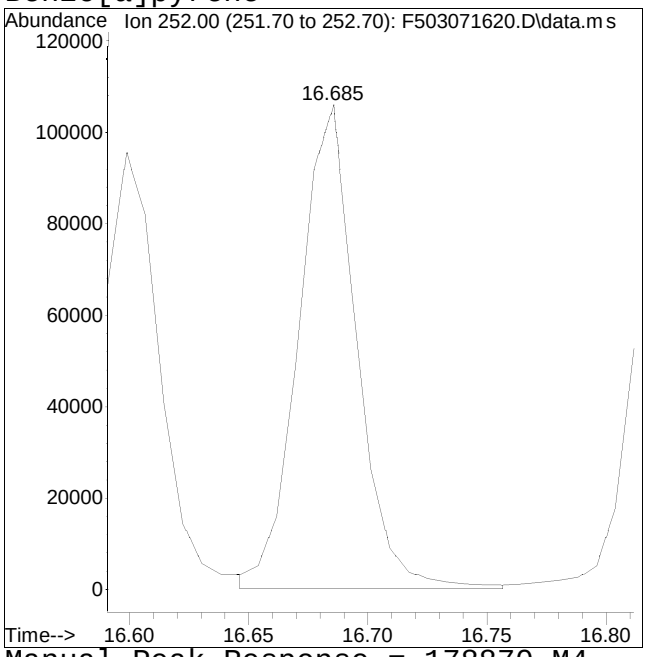
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F503071620.D
Date Inj'd : 3/8/2016 3:14 am
Sample : I503071605

QMethod : PAH0307PAH5.M
Operator : PAH5:sf
Instrument : PAH 5
Quant Date : 3/9/2016 1:18 pm

Compound #35: Benzo[a]pyrene



Original Peak Response = 173647



Manual Peak Response = 178870 M4

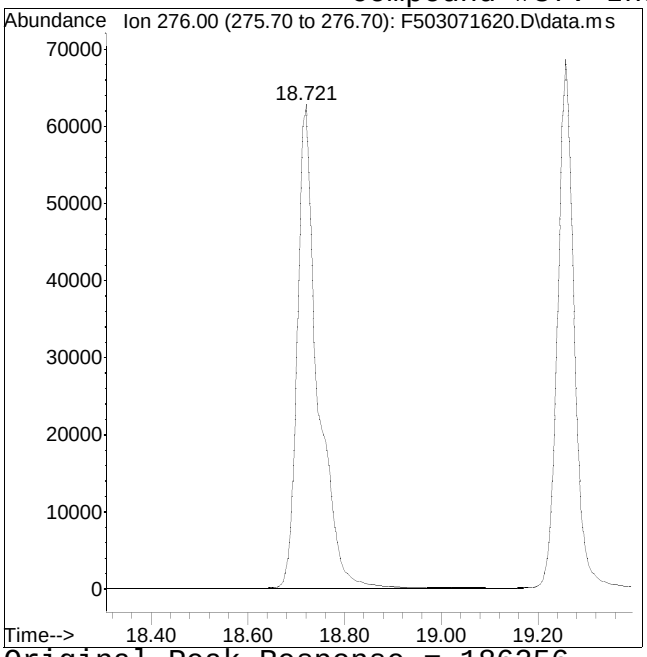
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

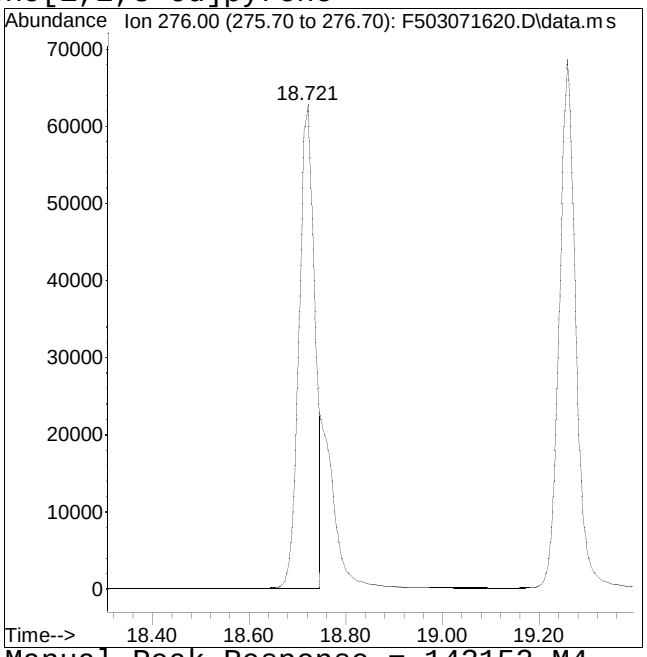
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F503071620.D
Date Inj'd : 3/8/2016 3:14 am
Sample : I503071605

QMethod : PAH0307PAH5.M
Operator : PAH5:sf
Instrument : PAH 5
Quant Date : 3/9/2016 1:18 pm

Compound #37: Indeno[1,2,3-cd]pyrene



Original Peak Response = 186256



Manual Peak Response = 143152 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071621.D
Acq On : 8 Mar 2016 3:45 am
Operator : PAH5:sf
Sample : I503071606
Misc : WG872128,MSAI11
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 09 13:18:22 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.816	136	143415	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.566	164	70943	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.014	188	145340	500.000	ng/mL	0.00
24) Chrysene-d12	14.326	240	146433	500.000	ng/mL	0.00
29) Perylene-d12	16.788	264	142410	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.488	152	169821	1040.866	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 20.82%#			
18) Fluoranthene-d10	12.275	212	311409	1071.718	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 214.34%#			
25) Pyrene-d10	12.551	212	281849	1052.590	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 21.05%#			
30) Benzo(a)pyrene-d12	16.646	264	259638	1150.469	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 230.09%#			
31) Benzo[b]fluoranthene-d12	16.094	264	269246	1096.818	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 21.94%#			
Target Compounds						Qvalue
2) Naphthalene	7.837	128	311541	1020.960	ng/mL	99
3) 1,4-Dichlorobenzene	6.556	146	150231	1013.662	ng/mL	98
5) 2-Methylnaphthalene	8.517	142	212110	1043.711	ng/mL	99
6) 1-Methylnaphthalene	8.630	142	200957	1035.867	ng/mL	98
8) Dibenzothiophene	10.912	184	350540	1045.369	ng/mL	98
9) 2-Chloronaphthalene	9.005	162	226601	1029.180	ng/mL	100
10) Biphenyl	8.991	154	264208	1018.238	ng/mL	96
11) 2,6-Dimethylnaphthalene	9.140	156	189336	1053.879	ng/mL	100
12) Acenaphthylene	9.416	152	319321	1023.108	ng/mL	100
13) Acenaphthene	9.597	153	210242	1019.057	ng/mL	99
14) Dibenzofuran	9.755	168	299406	1024.891	ng/mL	92
15) Fluorene	10.093	166	240230	1058.947	ng/mL	96
16) 2,3,5-Trimethylnaphthalen	9.967	170	170570M4	1064.591	ng/mL	
19) Phenanthrene	11.030	178	358213	1006.289	ng/mL	99
20) Anthracene	11.077	178	356507	1080.051	ng/mL	99
21) Carbazole	11.235	167	343628	1083.123	ng/mL#	83
22) 1-Methylphenanthrene	11.660	192	259129	1071.920	ng/mL	96
23) Fluoranthene	12.298	202	402321	1073.383	ng/mL#	89
26) Pyrene	12.574	202	445332	1054.670	ng/mL#	87
27) Benz[a]anthracene	14.302	228	366800	1089.919	ng/mL	99
28) Chrysene	14.366	228	370972	1028.827	ng/mL	98

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071621.D
Acq On : 8 Mar 2016 3:45 am
Operator : PAH5:sf
Sample : I503071606
Misc : WG872128,MSAI11
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 09 13:18:22 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo[b]fluoranthene	16.133	252	404436	1134.062	ng/mL	98
33) Benzo[k]fluoranthene	16.180	252	344647	1073.306	ng/mL	98
34) Benzo[e]pyrene	16.599	252	350725	1106.565	ng/mL	98
35) Benzo[a]pyrene	16.685	252	378441M4	1132.304	ng/mL	
36) Perylene	16.827	252	380613	1051.200	ng/mL	98
37) Indeno[1,2,3-cd]pyrene	18.721	276	335795M4	1029.690	ng/mL	
38) Dibenz[a,h]anthracene	18.761	278	340432	1019.447	ng/mL#	72
39) Benzo[g,h,i]perylene	19.266	276	354771	1119.324	ng/mL#	76

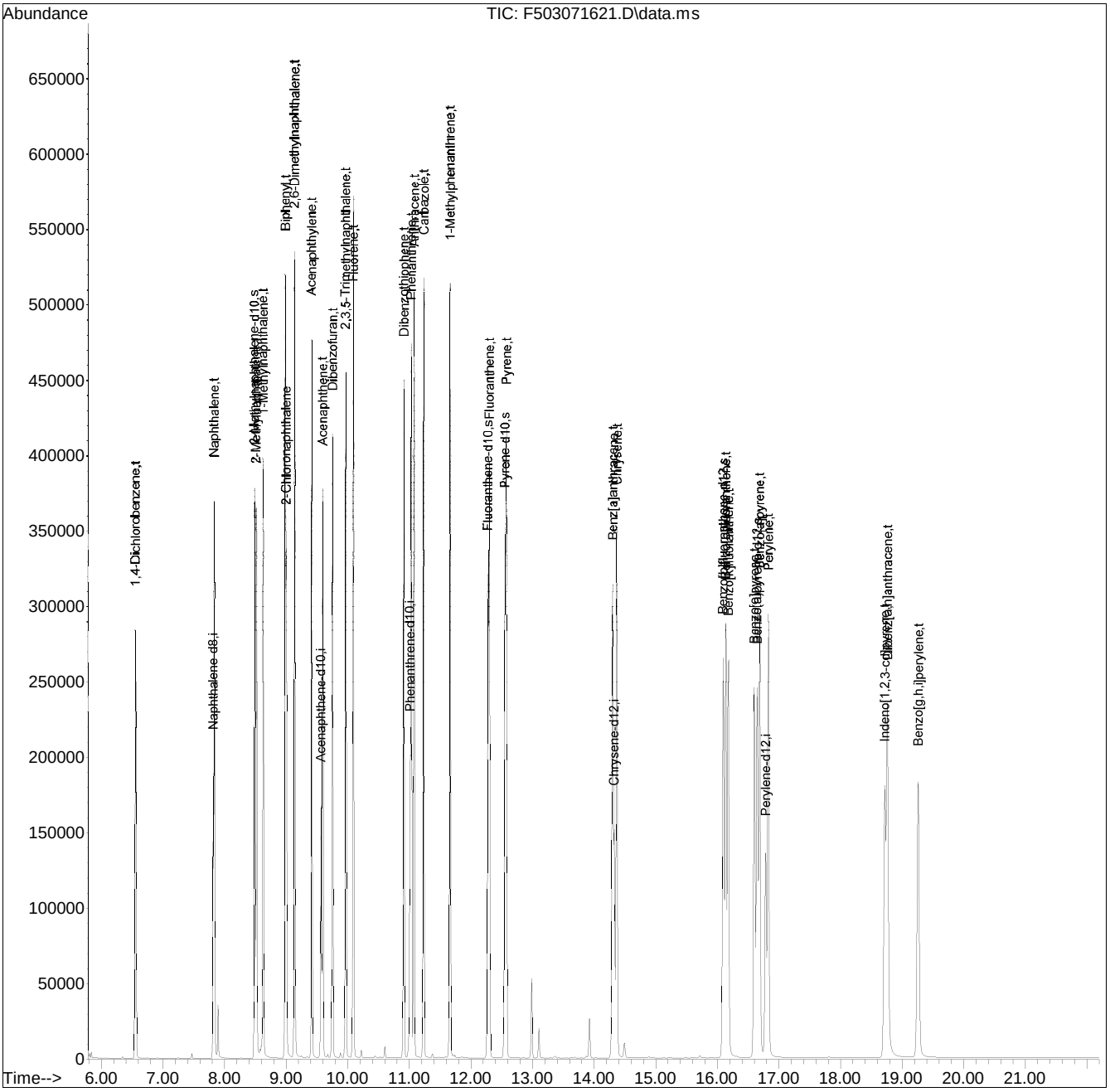
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071621.D
Acq On : 8 Mar 2016 3:45 am
Operator : PAH5:sf
Sample : I503071606
Misc : WG872128,MSAI11
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 09 13:18:22 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

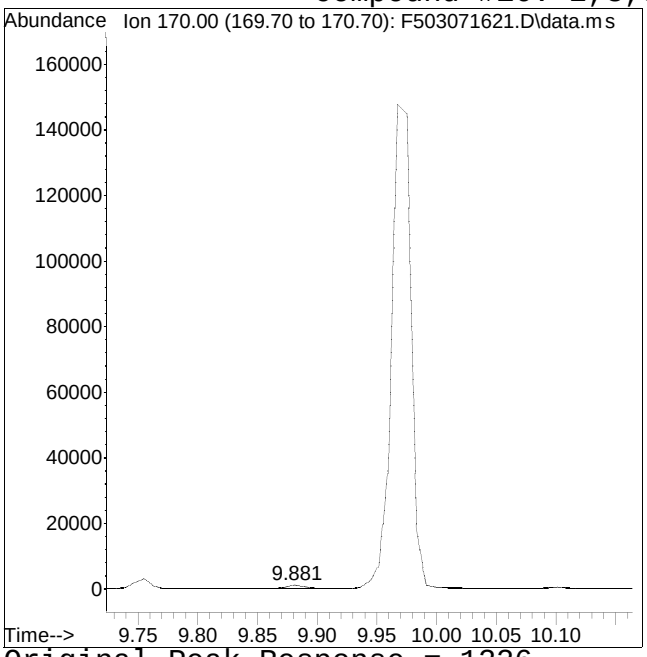


Manual Integration/Negative Proof Report

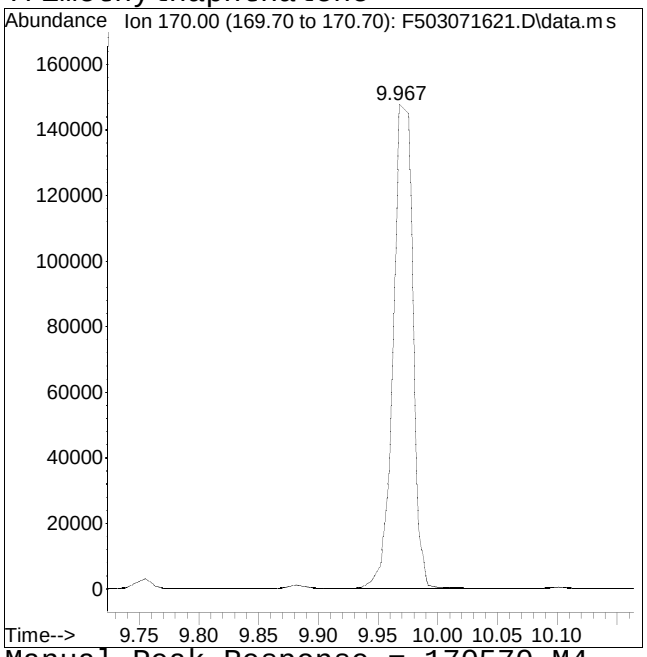
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F503071621.D
Date Inj'd : 3/8/2016 3:45 am
Sample : I503071606

QMethod : PAH0307PAH5.M
Operator : PAH5:sf
Instrument : PAH 5
Quant Date : 3/9/2016 1:18 pm

Compound #16: 2,3,5-Trimethylnaphthalene



Original Peak Response = 1226



Manual Peak Response = 170570 M4

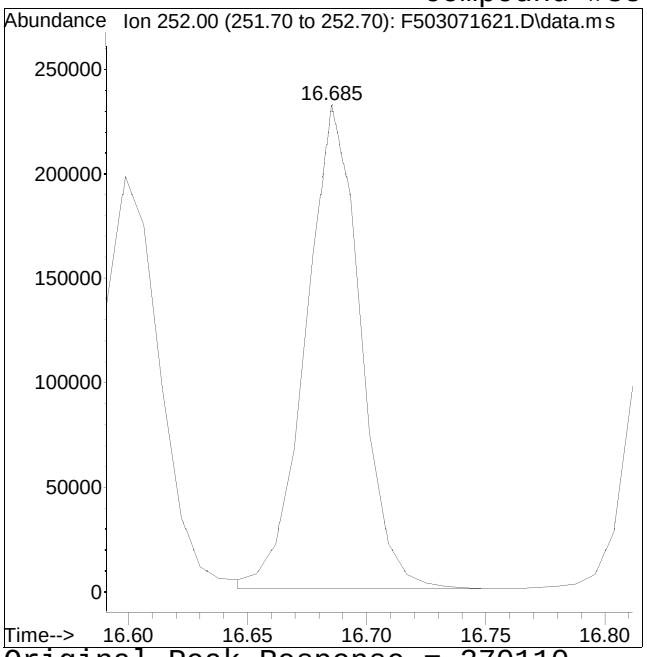
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

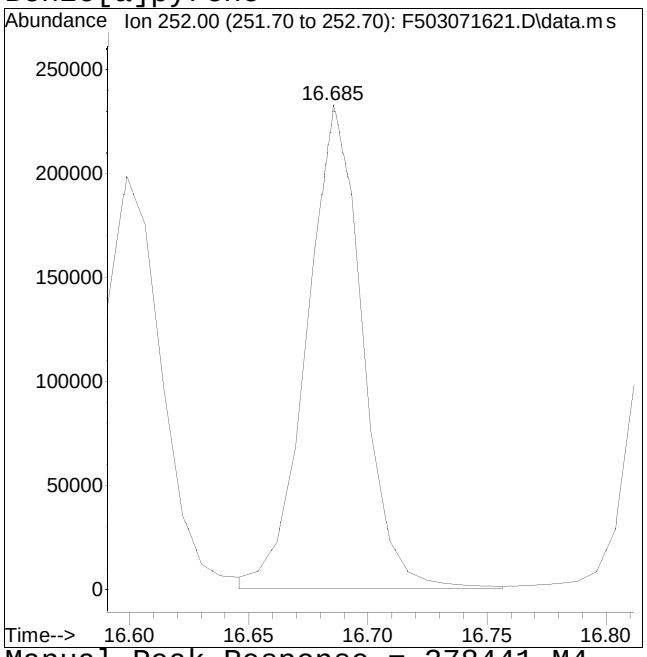
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F503071621.D
Date Inj'd : 3/8/2016 3:45 am
Sample : I503071606

QMethod : PAH0307PAH5.M
Operator : PAH5:sf
Instrument : PAH 5
Quant Date : 3/9/2016 1:18 pm

Compound #35: Benzo[a]pyrene



Original Peak Response = 370110



Manual Peak Response = 378441 M4

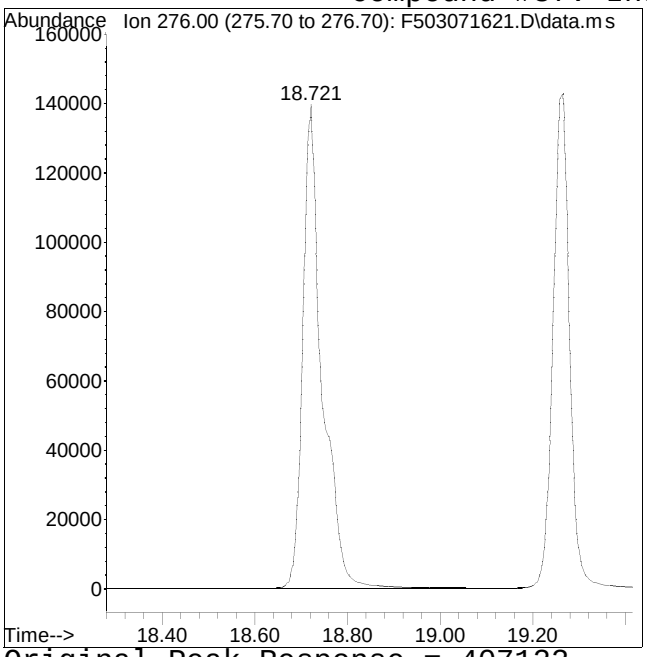
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

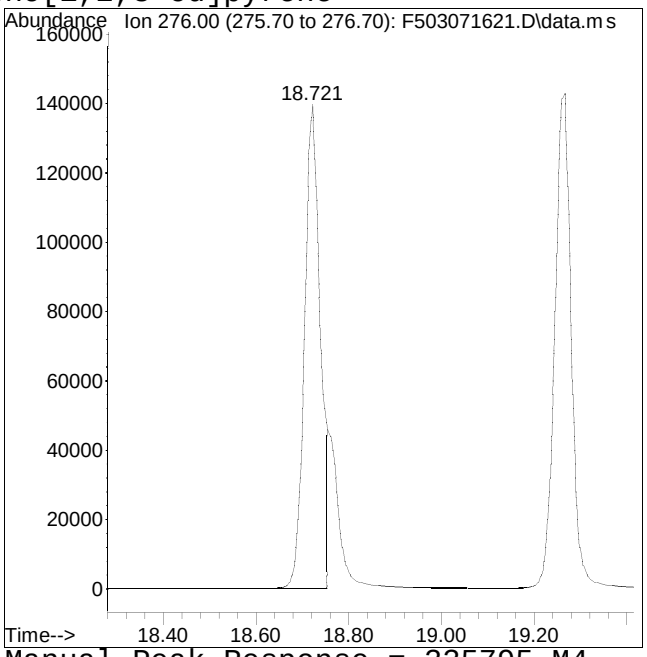
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F503071621.D
Date Inj'd : 3/8/2016 3:45 am
Sample : I503071606

QMethod : PAH0307PAH5.M
Operator : PAH5:sf
Instrument : PAH 5
Quant Date : 3/9/2016 1:18 pm

Compound #37: Indeno[1,2,3-cd]pyrene



Original Peak Response = 407122



Manual Peak Response = 335795 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071622.D
Acq On : 8 Mar 2016 4:16 am
Operator : PAH5:sf
Sample : I503071607
Misc : WG872128,MSAI09 X5
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 09 13:18:26 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.816	136	151571	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.566	164	75532	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.014	188	156142	500.000	ng/mL	0.00
24) Chrysene-d12	14.326	240	159284	500.000	ng/mL	0.00
29) Perylene-d12	16.788	264	155358	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.495	152	347296	2014.103	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 40.28%			
18) Fluoranthene-d10	12.282	212	660454M4	2115.715	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 423.14%#			
25) Pyrene-d10	12.551	212	601345	2064.586	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 41.29%#			
30) Benzo(a)pyrene-d12	16.654	264	559908	2274.207	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 454.84%#			
31) Benzo[b]fluoranthene-d12	16.101	264	570944	2131.993	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 42.64%#			
Target Compounds						Qvalue
2) Naphthalene	7.837	128	634536	1967.562	ng/mL	99
3) 1,4-Dichlorobenzene	6.556	146	308725	1970.988	ng/mL	98
5) 2-Methylnaphthalene	8.524	142	432329	2012.852	ng/mL	95
6) 1-Methylnaphthalene	8.630	142	411718	2008.071	ng/mL	98
8) Dibenzothiophene	10.912	184	730353	2045.708	ng/mL	96
9) 2-Chloronaphthalene	9.005	162	470464	2006.941	ng/mL	100
10) Biphenyl	8.991	154	546344	1977.644	ng/mL	97
11) 2,6-Dimethylnaphthalene	9.139	156	392616	2052.599	ng/mL	99
12) Acenaphthylene	9.416	152	661834	1990.523	ng/mL	100
13) Acenaphthene	9.597	153	437904	1993.594	ng/mL	99
14) Dibenzofuran	9.755	168	613969	1973.978	ng/mL	98
15) Fluorene	10.093	166	496100	2053.973	ng/mL	95
16) 2,3,5-Trimethylnaphthalen	9.975	170	356015M4	2087.021	ng/mL	
19) Phenanthrene	11.030	178	734525	1920.673	ng/mL	99
20) Anthracene	11.077	178	755246	2129.757	ng/mL	99
21) Carbazole	11.235	167	712614	2090.784	ng/mL#	86
22) 1-Methylphenanthrene	11.660	192	549464	2115.686	ng/mL	96
23) Fluoranthene	12.298	202	834765	2073.058	ng/mL#	90
26) Pyrene	12.574	202	930928	2026.823	ng/mL#	90
27) Benz[a]anthracene	14.302	228	794537	2170.430	ng/mL	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071622.D
Acq On : 8 Mar 2016 4:16 am
Operator : PAH5:sf
Sample : I503071607
Misc : WG872128,MSAI09 X5
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 09 13:18:26 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Chrysene	14.373	228	784880	2001.112	ng/mL	99
32) Benzo[b]fluoranthene	16.141	252	884743	2274.108	ng/mL	98
33) Benzo[k]fluoranthene	16.180	252	710809	2029.125	ng/mL	98
34) Benzo[e]pyrene	16.606	252	743322	2149.779	ng/mL	98
35) Benzo[a]pyrene	16.693	252	817400M4	2241.849	ng/mL	
36) Perylene	16.835	252	811639	2054.808	ng/mL	98
37) Indeno[1,2,3-cd]pyrene	18.729	276	731441M4	2049.532	ng/mL	
38) Dibenz[a,h]anthracene	18.776	278	736262	2016.228	ng/mL#	66
39) Benzo[g,h,i]perylene	19.273	276	762208	2204.388	ng/mL#	81

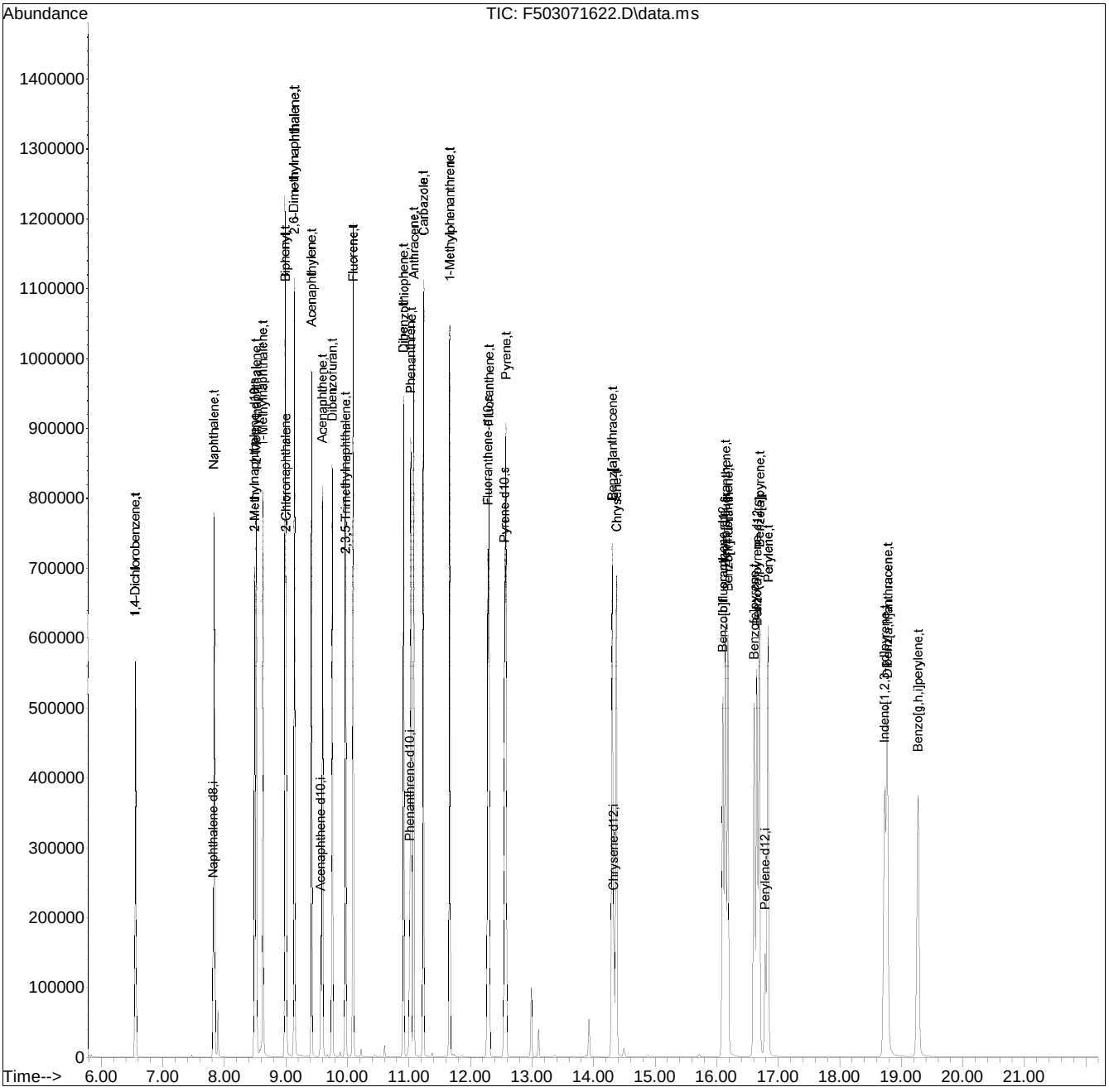
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071622.D
Acq On : 8 Mar 2016 4:16 am
Operator : PAH5:sf
Sample : I503071607
Misc : WG872128,MSAI09 X5
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 09 13:18:26 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

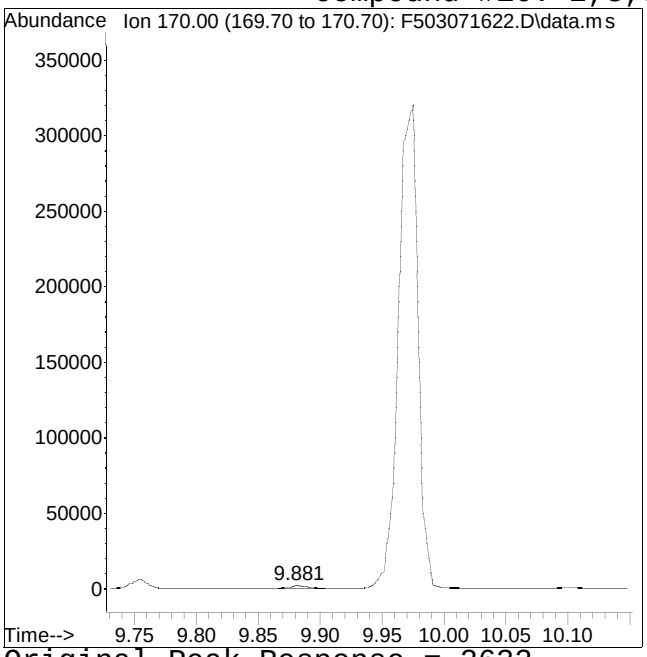


Manual Integration/Negative Proof Report

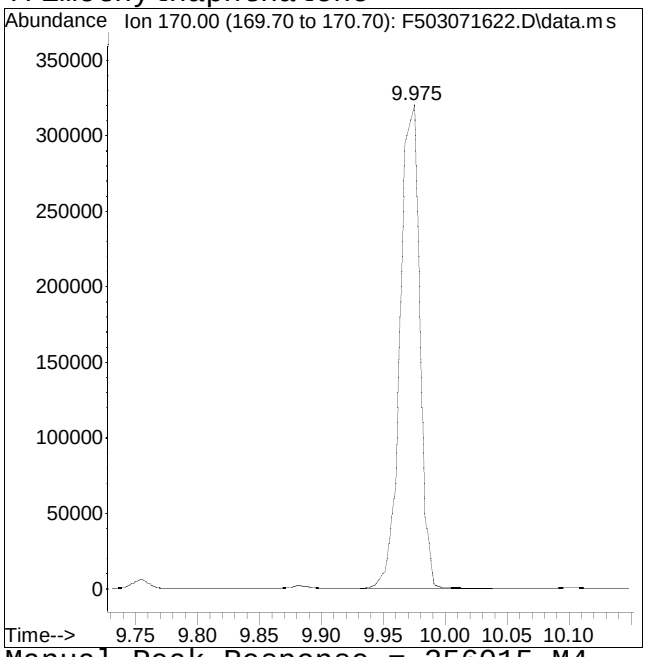
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F503071622.D
Date Inj'd : 3/8/2016 4:16 am
Sample : I503071607

QMethod : PAH0307PAH5.M
Operator : PAH5:sf
Instrument : PAH 5
Quant Date : 3/9/2016 1:18 pm

Compound #16: 2,3,5-Trimethylnaphthalene



Original Peak Response = 2632



Manual Peak Response = 356015 M4

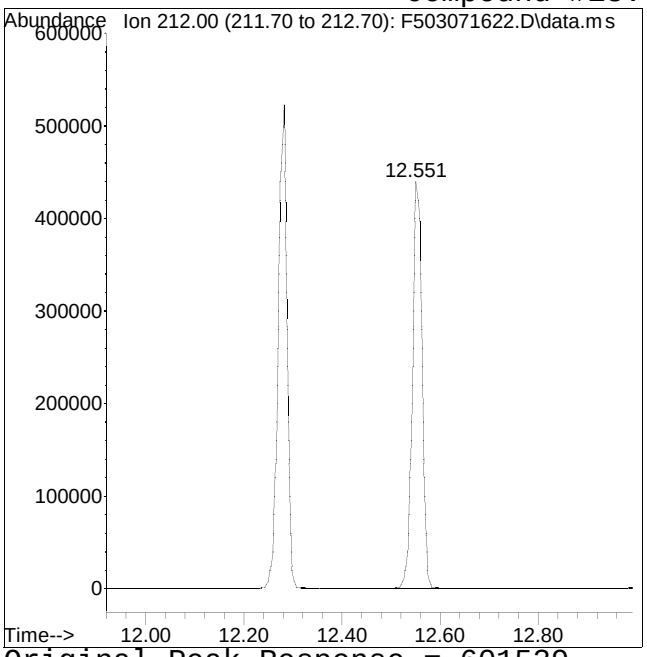
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

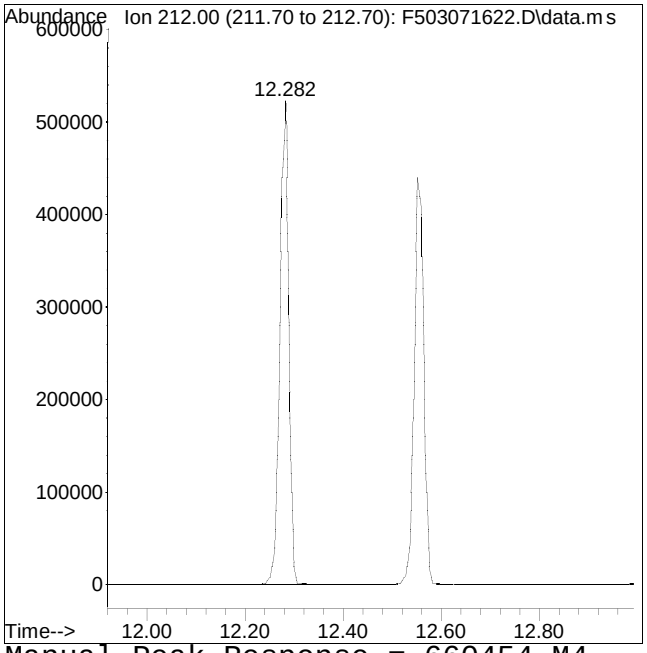
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F503071622.D
Date Inj'd : 3/8/2016 4:16 am
Sample : I503071607

QMethod : PAH0307PAH5.M
Operator : PAH5:sf
Instrument : PAH 5
Quant Date : 3/9/2016 1:18 pm

Compound #18: Fluoranthene-d10



Original Peak Response = 601539



Manual Peak Response = 660454 M4

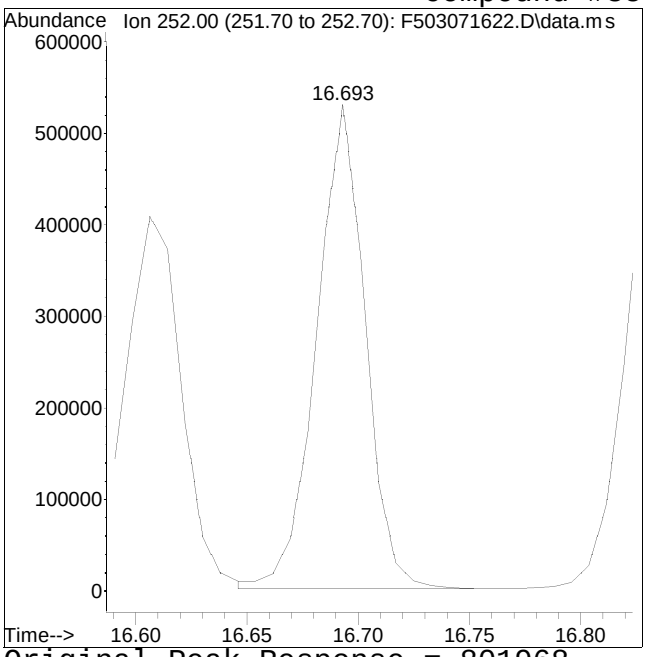
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

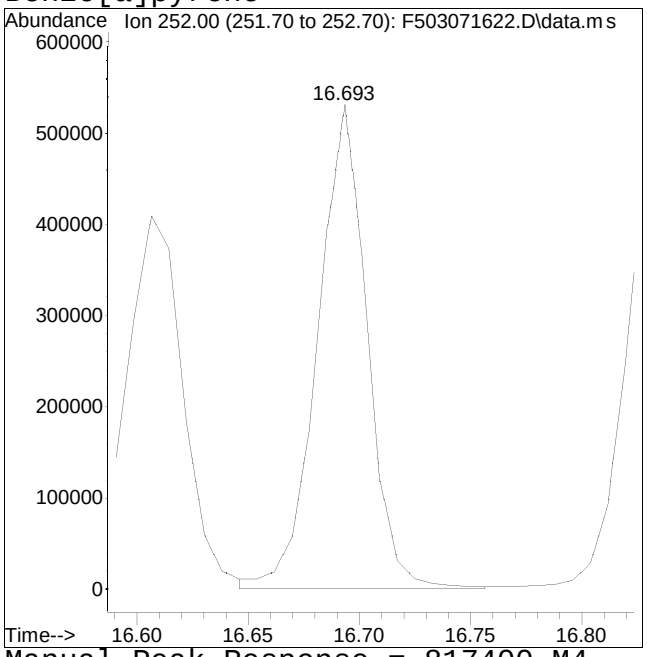
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F503071622.D
Date Inj'd : 3/8/2016 4:16 am
Sample : I503071607

QMethod : PAH0307PAH5.M
Operator : PAH5:sf
Instrument : PAH 5
Quant Date : 3/9/2016 1:18 pm

Compound #35: Benzo[a]pyrene



Original Peak Response = 801968



Manual Peak Response = 817400 M4

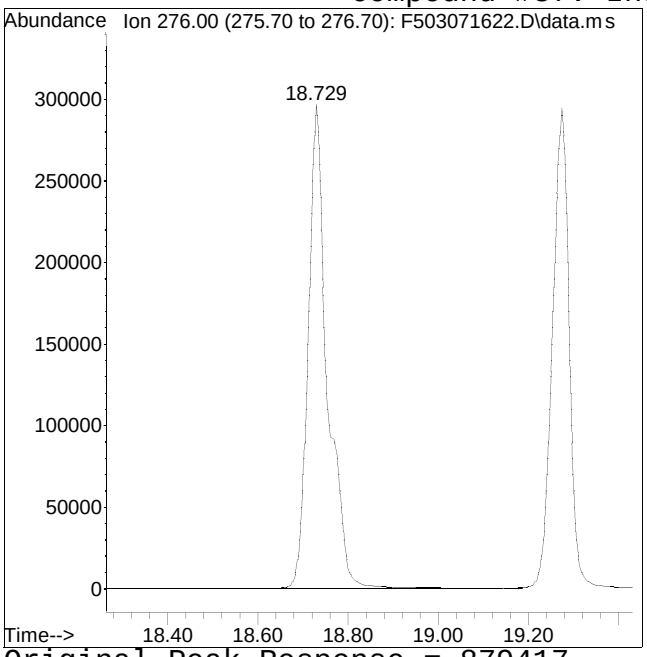
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

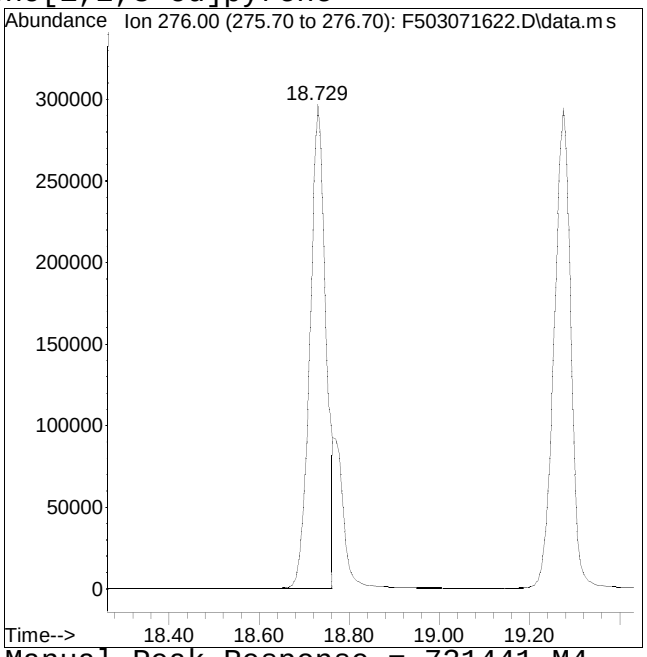
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F503071622.D
Date Inj'd : 3/8/2016 4:16 am
Sample : I503071607

QMethod : PAH0307PAH5.M
Operator : PAH5:sf
Instrument : PAH 5
Quant Date : 3/9/2016 1:18 pm

Compound #37: Indeno[1,2,3-cd]pyrene



Original Peak Response = 879417



Manual Peak Response = 731441 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071623.D
Acq On : 8 Mar 2016 4:46 am
Operator : PAH5:sf
Sample : I503071608
Misc : WG872128,MSAI10
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 09 13:18:30 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.816	136	167498	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.566	164	83602	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.014	188	177898	500.000	ng/mL	0.00
24) Chrysene-d12	14.334	240	173670	500.000	ng/mL	0.00
29) Perylene-d12	16.796	264	180512	500.000	ng/mL	0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.495	152	967520	5077.482	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 101.55%			
18) Fluoranthene-d10	12.282	212	1858521	5225.535	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 1045.11%#			
25) Pyrene-d10	12.558	212	1674800	5273.751	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 105.48%			
30) Benzo(a)pyrene-d12	16.669	264	1638922	5729.269	ng/mL	0.02
Spiked Amount 500.000	Range 30 - 150		Recovery = 1145.85%#			
31) Benzo[b]fluoranthene-d12	16.117	264	1629885	5238.136	ng/mL	0.02
Spiked Amount 5000.000	Range 50 - 150		Recovery = 104.76%			
Target Compounds						Qvalue
2) Naphthalene	7.837	128	1720883	4828.696	ng/mL	99
3) 1,4-Dichlorobenzene	0.000		0	N.D.	d	
5) 2-Methylnaphthalene	8.524	142	1186975	5000.870	ng/mL	97
6) 1-Methylnaphthalene	8.630	142	1134461	5006.974	ng/mL	99
8) Dibenzothiophene	0.000		0	N.D.	d	
9) 2-Chloronaphthalene	0.000		0	N.D.	d	
10) Biphenyl	0.000		0	N.D.	d	
11) 2,6-Dimethylnaphthalene	0.000		0	N.D.	d	
12) Acenaphthylene	0.000		0	N.D.	d	
13) Acenaphthene	0.000		0	N.D.	d	
14) Dibenzofuran	0.000		0	N.D.	d	
15) Fluorene	0.000		0	N.D.	d	
16) 2,3,5-Trimethylnaphthalen	0.000		0	N.D.	d	
19) Phenanthrene	0.000		0	N.D.	d	
20) Anthracene	0.000		0	N.D.	d	
21) Carbazole	0.000		0	N.D.	d	
22) 1-Methylphenanthrene	0.000		0	N.D.	d	
23) Fluoranthene	0.000		0	N.D.	d	
26) Pyrene	0.000		0	N.D.	d	
27) Benz[a]anthracene	0.000		0	N.D.	d	
28) Chrysene	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071623.D
Acq On : 8 Mar 2016 4:46 am
Operator : PAH5:sf
Sample : I503071608
Misc : WG872128,MSAI10
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 09 13:18:30 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo[b]fluoranthene	0.000		0	N.D.	d	
33) Benzo[k]fluoranthene	0.000		0	N.D.	d	
34) Benzo[e]pyrene	0.000		0	N.D.	d	
35) Benzo[a]pyrene	0.000		0	N.D.	d	
36) Perylene	0.000		0	N.D.	d	
37) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
38) Dibenz[a,h]anthracene	0.000		0	N.D.	d	
39) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

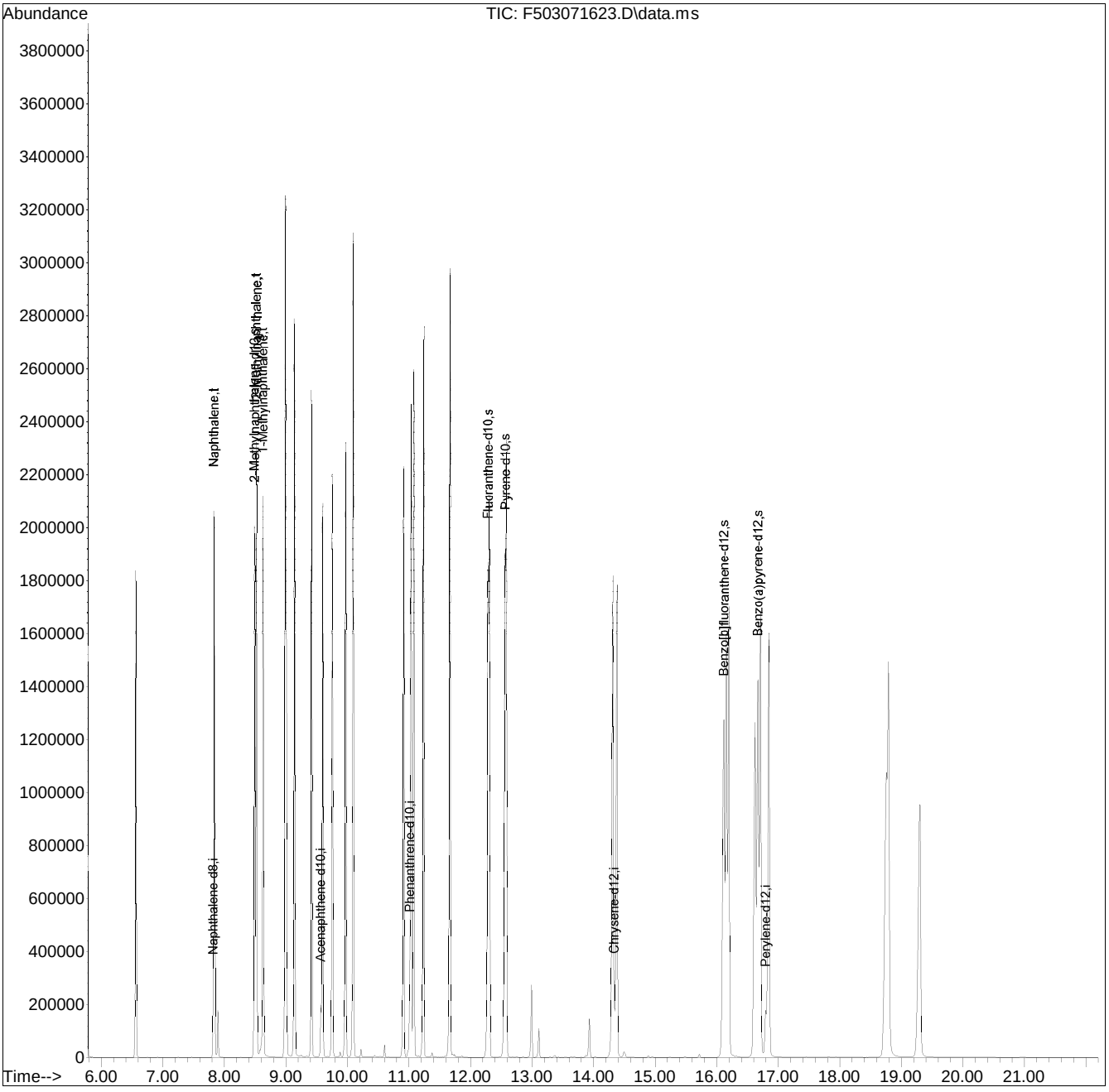
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071623.D
Acq On : 8 Mar 2016 4:46 am
Operator : PAH5:sf
Sample : I503071608
Misc : WG872128,MSAI10
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 09 13:18:30 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2016\	QMethod	: PAH0307PAH5.M
Data File	: F503071623.D	Operator	: PAH5:sf
Date Inj'd	: 3/8/2016 4:46 am	Instrument	: PAH 5
Sample	: I503071608	Quant Date	: 3/9/2016 1:18 pm

There are no manual integrations or false positives in this file.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071624.D
Acq On : 8 Mar 2016 5:17 am
Operator : PAH5:sf
Sample : CQ503071601
Misc : WG872128,MSAH13
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 09 13:18:35 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	Naphthalene-d8	1.000	1.000	0.0	111	0.00
2	t	Naphthalene	1.064	1.103	-3.7	116	0.00
3	t	1,4-Dichlorobenzene	0.517	0.522	-1.0	113	0.00
4	s	2-Methylnaphthalene-d10	0.569	0.000#	100.0#	0#	-8.49#
5	t	2-Methylnaphthalene	0.709	0.740	-4.4	115	0.00
6	t	1-Methylnaphthalene	0.676	0.700	-3.6	114	0.00
7	i	Acenaphthene-d10	1.000	1.000	0.0	110	0.00
8	t	Dibenzothiophene	2.363	2.313	2.1	105	0.00
9		2-Chloronaphthalene	1.552	1.567	-1.0	110	0.00
10	t	Biphenyl	1.829	1.864	-1.9	112	0.00
11	t	2,6-Dimethylnaphthalene	1.266	1.337	-5.6	114	0.00
12	t	Acenaphthylene	*500.000	494.610	1.1	111	0.00
13	t	Acenaphthene	1.454	1.481	-1.9	112	0.00
14	t	Dibenzofuran	2.059	2.102	-2.1	112	0.00
15	t	Fluorene	1.599	1.650	-3.2	112	0.00
16	t	2,3,5-Trimethylnaphthalene	1.129	0.977	13.5	93	0.00
17	i	Phenanthrene-d10	1.000	1.000	0.0	108	0.00
18	s	Fluoranthene-d10	1.000	0.000#	100.0#	0#	-12.28#
19	t	Phenanthrene	1.225	1.267	-3.4	112	0.00
20	t	Anthracene	1.136	1.155	-1.7	103	0.00
21	t	Carbazole	1.091	1.152	-5.6	109	0.00
22	t	1-Methylphenanthrene	0.832	0.882	-6.0	109	0.00
23	t	Fluoranthene	1.289	1.318	-2.2	104	0.00
24	i	Chrysene-d12	1.000	1.000	0.0	104	0.00
25	s	Pyrene-d10	0.914	0.000#	100.0#	0#	-12.55#
26	t	Pyrene	1.442	1.406	2.5	99	0.00
27	t	Benz[a]anthracene	1.149	1.236	-7.6	108	0.00
28	t	Chrysene	1.231	1.223	0.6	103	0.00
29	i	Perylene-d12	1.000	1.000	0.0	101	0.00
30	s	Benzo(a)pyrene-d12	0.792	0.000#	100.0#	0#	-16.65#
31	s	Benzo[b]fluoranthene-d12	0.862	0.000#	100.0#	0#	-16.09#
32	t	Benzo[b]fluoranthene	1.252	1.416	-13.1	101	0.00
33	t	Benzo[k]fluoranthene	1.127	1.250	-10.9	112	0.00
34	t	Benzo[e]pyrene	1.113	1.282	-15.2	110	0.00
35	t	Benzo[a]pyrene	1.173	1.277	-8.9	101	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071624.D
Acq On : 8 Mar 2016 5:17 am
Operator : PAH5:sf
Sample : CQ503071601
Misc : WG872128,MSAH13
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 09 13:18:35 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36 t	Perylene	1.271	1.310	-3.1	103	0.00
37 t	Indeno[1,2,3-cd]pyrene	*500.000	479.864	4.0	108	0.00
38 t	Dibenz[a,h]anthracene	*500.000	504.192	-0.8	107	0.00
39 t	Benzo[g,h,i]perylene	1.113	1.220	-9.6	106	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	1.06	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.87	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071624.D
Acq On : 8 Mar 2016 5:17 am
Operator : PAH5:sf
Sample : CQ503071601
Misc : WG872128,MSAH13
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 09 13:18:35 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.816	136	162898	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.566	164	79123	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.014	188	156015	500.000	ng/mL	0.00
24) Chrysene-d12	14.326	240	152216	500.000	ng/mL	0.00
29) Perylene-d12	16.780	264	141382	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	0.000	152	0d	0.000	ng/mL	
Spiked Amount 5000.000	Range 30 - 150		Recovery =	0.00%#		
18) Fluoranthene-d10	0.000	212	0d	0.000	ng/mL	
Spiked Amount 500.000	Range 30 - 150		Recovery =	0.00%#		
25) Pyrene-d10	0.000	212	0d	0.000	ng/mL	
Spiked Amount 5000.000	Range 50 - 150		Recovery =	0.00%#		
30) Benzo(a)pyrene-d12	0.000	264	0d	0.000	ng/mL	
Spiked Amount 500.000	Range 30 - 150		Recovery =	0.00%#		
31) Benzo[b]fluoranthene-d12	0.000	264	0d	0.000	ng/mL	
Spiked Amount 5000.000	Range 50 - 150		Recovery =	0.00%#		
Target Compounds						Qvalue
2) Naphthalene	7.837	128	179751	518.613	ng/mL	98
3) 1,4-Dichlorobenzene	6.563	146	85032	505.121	ng/mL	98
5) 2-Methylnaphthalene	8.524	142	120580	522.364	ng/mL	94
6) 1-Methylnaphthalene	8.630	142	114110	517.849	ng/mL	99
8) Dibenzothiophene	10.912	184	183005	489.330	ng/mL	98
9) 2-Chloronaphthalene	9.005	162	123956	504.782	ng/mL	100
10) Biphenyl	8.991	154	147485	509.634	ng/mL	96
11) 2,6-Dimethylnaphthalene	9.140	156	105782	527.930	ng/mL	100
12) Acenaphthylene	9.416	152	171950	494.610	ng/mL	100
13) Acenaphthene	9.597	153	117148	509.121	ng/mL	98
14) Dibenzofuran	9.755	168	166284	510.358	ng/mL	96
15) Fluorene	10.093	166	130592	516.143	ng/mL	95
16) 2,3,5-Trimethylnaphthalen	9.967	170	77294	432.546	ng/mL	81
19) Phenanthrene	11.030	178	197608	517.136	ng/mL	98
20) Anthracene	11.077	178	180139	508.397	ng/mL	99
21) Carbazole	11.235	167	179670	527.574	ng/mL#	85
22) 1-Methylphenanthrene	11.660	192	137616	530.315	ng/mL	97
23) Fluoranthene	12.298	202	205705	511.264	ng/mL#	88
26) Pyrene	12.574	202	214076	487.730	ng/mL#	86
27) Benz[a]anthracene	14.302	228	188183	537.928	ng/mL	99
28) Chrysene	14.366	228	186098	496.503	ng/mL	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071624.D
Acq On : 8 Mar 2016 5:17 am
Operator : PAH5:sf
Sample : CQ503071601
Misc : WG872128,MSAH13
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 09 13:18:35 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo[b]fluoranthene	16.133	252	200172	565.375	ng/mL	98
33) Benzo[k]fluoranthene	16.172	252	176680	554.221	ng/mL	98
34) Benzo[e]pyrene	16.599	252	181316	576.226	ng/mL	97
35) Benzo[a]pyrene	16.685	252	180598M4	544.282	ng/mL	
36) Perylene	16.827	252	185150	515.076	ng/mL	98
37) Indeno[1,2,3-cd]pyrene	18.721	276	154235M4	479.864	ng/mL	
38) Dibenz[a,h]anthracene	18.761	278	166330	504.192	ng/mL#	71
39) Benzo[g,h,i]perylene	19.258	276	172525	548.285	ng/mL#	83

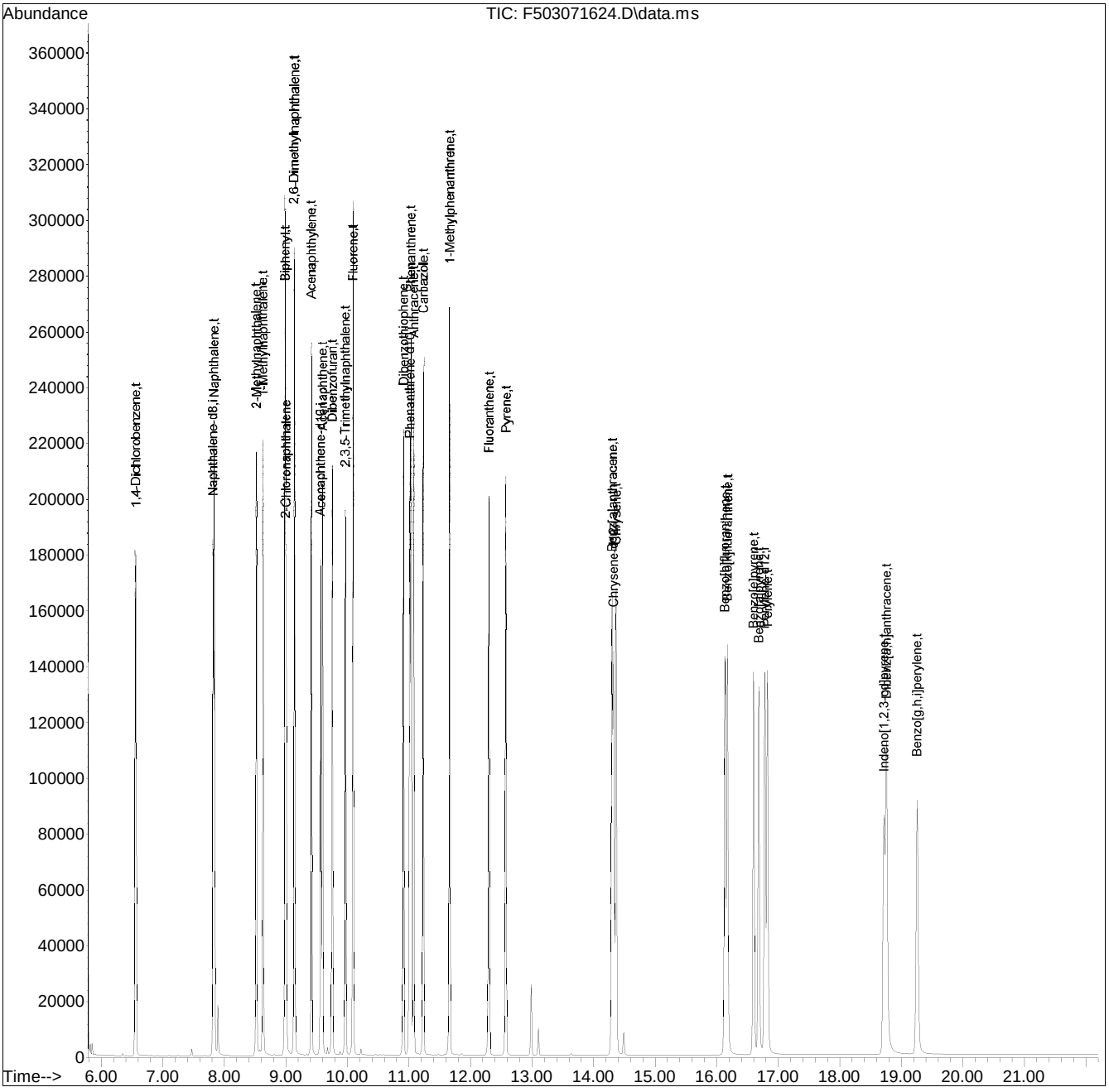
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar07\
Data File : F503071624.D
Acq On : 8 Mar 2016 5:17 am
Operator : PAH5:sf
Sample : CQ503071601
Misc : WG872128,MSAH13
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 09 13:18:35 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar07\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Wed Mar 09 11:47:13 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

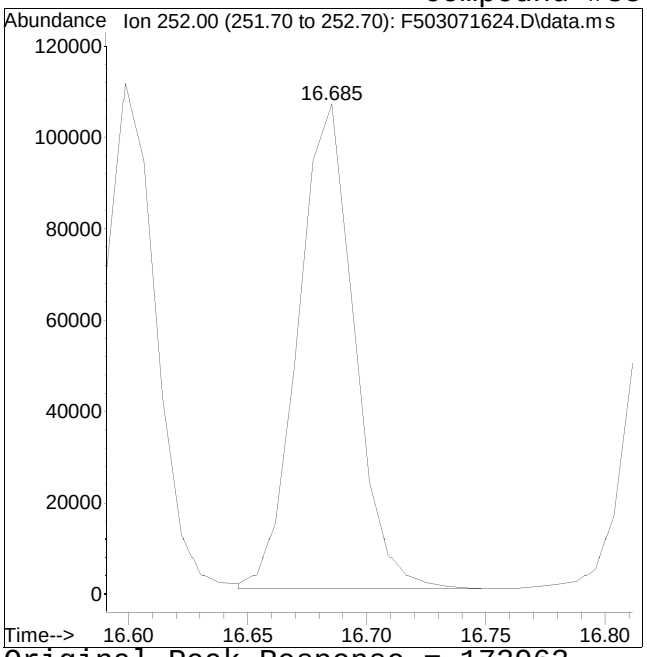


Manual Integration/Negative Proof Report

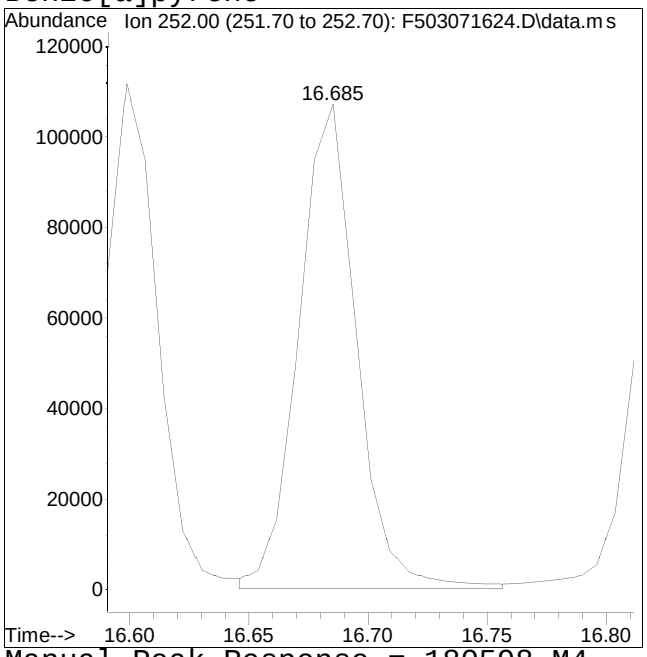
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F503071624.D
Date Inj'd : 3/8/2016 5:17 am
Sample : CQ503071601

QMethod : PAH0307PAH5.M
Operator : PAH5:sf
Instrument : PAH 5
Quant Date : 3/9/2016 1:18 pm

Compound #35: Benzo[a]pyrene



Original Peak Response = 173963



Manual Peak Response = 180598 M4

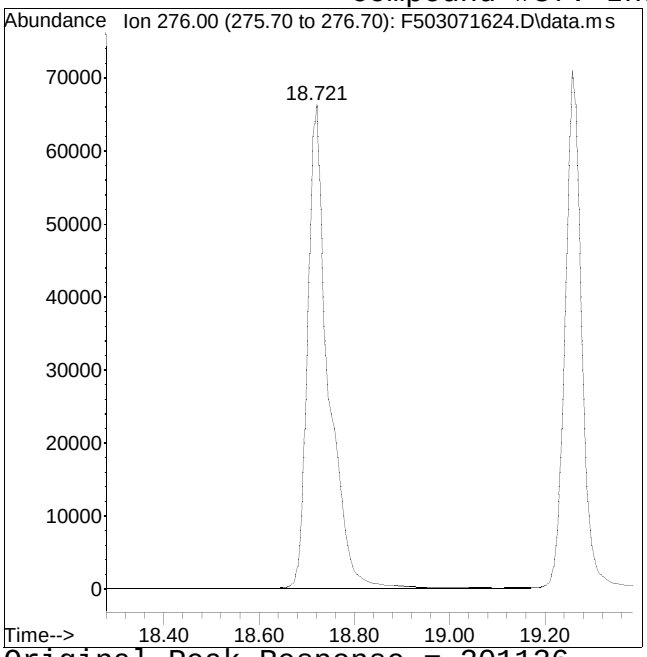
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

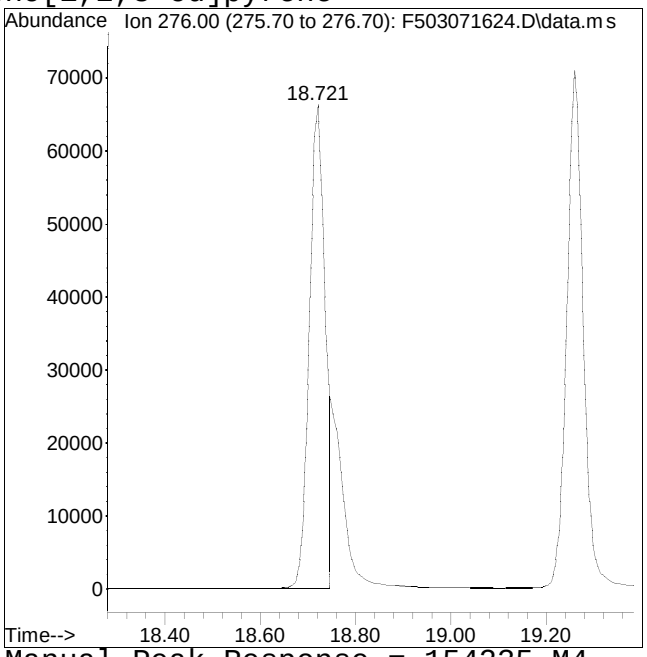
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F503071624.D
Date Inj'd : 3/8/2016 5:17 am
Sample : CQ503071601

QMethod : PAH0307PAH5.M
Operator : PAH5:sf
Instrument : PAH 5
Quant Date : 3/9/2016 1:18 pm

Compound #37: Indeno[1,2,3-cd]pyrene



Original Peak Response = 201136



Manual Peak Response = 154235 M4

M4 = Poor automated baseline construction.

Work Group

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Apr 06 2016, 04:28 pm

Work Group: WG876674 for Department: 2 Organic Preparation

Created: 23-MAR-16 Due: Operator: jm

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1607846-01	SW1A 20160316	S	A2-PAH-8270SIM	WATER	DONE	U	0323	0407	S0	Amber-A1
L1607846-02	SW1B 20160316	S	A2-PAH-8270SIM	WATER	DONE	U	0323	0407	S0	Amber-A1
L1607846-03	SW1C 20160316	S	A2-PAH-8270SIM	WATER	DONE	U	0323	0407	S0	Amber-A1
L1607846-04	SW2A 20160316	S	A2-PAH-8270SIM	WATER	DONE	U	0323	0407	S0	Amber-A1
L1607846-05	SW2C 20160316	S	A2-PAH-8270SIM	WATER	DONE	U	0323	0407	S0	Amber-A1
L1607846-06	SW2B 20160316	S	A2-PAH-8270SIM	WATER	DONE	U	0323	0407	S0	Amber-A1
L1607846-07	SW3A 20160316	S	A2-PAH-8270SIM	WATER	DONE	U	0323	0407	S0	Amber-A1
L1607846-08	SW3B 20160316	S	A2-PAH-8270SIM	WATER	DONE	U	0323	0407	S0	Amber-A1
L1607846-09	SW3C 20160316	S	A2-PAH-8270SIM	WATER	DONE	U	0323	0407	S0	Amber-A1
WG876674-1	Laboratory Method Bl	S	A2-PAH-8270SIM	WATER	DONE	U				
WG876674-2	Laboratory Control S	S	A2-PAH-8270SIM	WATER	DONE	U				
WG876674-3	LCS Duplicate	S	A2-PAH-8270SIM	WATER	DONE	U				

Comments:

WG876674-3 WG876674-2

Sequence Logs

Analysis log File

Total Files Reported in Log : 43
Log Generated From Directory: O:\Organics\DATA\PAH5\2016\Mar\Mar07\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F503071601.D	PCBTUNEPAH5.	tune	MSAI06	3/7/2016 2:14 pm
2	F503071602.D	RIMPAH5.M	ccv		3/7/2016 2:42 pm
3	F503071603.D	PCBTUNEPAH5.	T503041601	WG871618,MSAI06	3/7/2016 6:04 pm
4	F503071604.D	RIMPAH5.M	I503071601	WG871618,MSAI16	3/7/2016 6:33 pm
5	F503071605.D	RIMPAH5.M	I503071602	WG871618,MSAI15	3/7/2016 7:07 pm
6	F503071606.D	RIMPAH5.M	I503071603	WG871618,MSAI14	3/7/2016 7:41 pm
7	F503071607.D	RIMPAH5.M	I503071604	WG871618,MSAI13	3/7/2016 8:15 pm
8	F503071608.D	RIMPAH5.M	I503071605	WG871618,MSAI12	3/7/2016 8:49 pm
9	F503071609.D	RIMPAH5.M	I503071606	WG871618,MSAI11	3/7/2016 9:23 pm
10	F503071610.D	RIMPAH5.M	I503071607	WG871618,MSAI09 X5	3/7/2016 9:57 pm
11	F503071611.D	RIMPAH5.M	I503071608	WG871618,MSAI10	3/7/2016 10:31 pm
12	F503071612.D	RIMPAH5.M	I503071609	WG871618,MSAI09	3/7/2016 11:05 pm
13	F503071613.D	RIMPAH5.M	CQ503071601	WG871618,MSAH13	3/7/2016 11:39 pm
14	F503071614.D	RIMPAH5.M	CQ503071602	WG871618,MSAH01	3/8/2016 12:13 am
15	F503071615.D	DFTPPPAH5.M	T503071601	WG872128,MSAI06	3/8/2016 12:43 am
16	F503071616.D	PAHSIMPAH5.M	I503071601	WG872128,MSAI16	3/8/2016 1:11 am
17	F503071617.D	PAHSIMPAH5.M	I503071602	WG872128,MSAI15	3/8/2016 1:42 am
18	F503071618.D	PAHSIMPAH5.M	I503071603	WG872128,MSAI14	3/8/2016 2:13 am
19	F503071619.D	PAHSIMPAH5.M	I503071604	WG872128,MSAI13	3/8/2016 2:44 am
20	F503071620.D	PAHSIMPAH5.M	I503071605	WG872128,MSAI12	3/8/2016 3:14 am
21	F503071621.D	PAHSIMPAH5.M	I503071606	WG872128,MSAI11	3/8/2016 3:45 am
22	F503071622.D	PAHSIMPAH5.M	I503071607	WG872128,MSAI09 X5	3/8/2016 4:16 am
23	F503071623.D	PAHSIMPAH5.M	I503071608	WG872128,MSAI10	3/8/2016 4:46 am
24	F503071624.D	PAHSIMPAH5.M	CQ503071601	WG872128,MSAH13	3/8/2016 5:17 am
25	F503071625.D	PCBTUNEPAH5.	WG870727-1	WG870727,MSAI06	3/8/2016 5:43 am
26	F503071626.D	RIMPAH5.M	WG870727-3	WG870727,MSAI12	3/8/2016 6:11 am
27	F503071627.D	RIMPAH5.M	WG868351-1	WG870727,WG868351,..	3/8/2016 6:44 am
28	F503071628.D	RIMPAH5.M	WG868351-2	WG870727,WG868351,..	3/8/2016 7:18 am
29	F503071629.D	RIMPAH5.M	WG868351-3	WG870727,WG868351,..	3/8/2016 7:51 am
30	F503071630.D	RIMPAH5.M	WG868351-4D,32,4	WG870727,WG868351,..	3/8/2016 8:24 am
31	F503071631.D	RIMPAH5.M	L1604780-02	WG870727,WG868351,..	3/8/2016 8:57 am
32	F503071632.D	RIMPAH5.M	L1604780-05	WG870727,WG868351,..	3/8/2016 9:31 am
33	F503071633.D	RIMPAH5.M	L1604780-07	WG870727,WG868351,..	3/8/2016 10:05 am
34	F503071634.D	RIMPAH5.M	L1604780-11	WG870727,WG868351,..	3/8/2016 10:38 am
35	F503071635.D	RIMPAH5.M	L1604780-12	WG868351	3/8/2016 11:12 am
36	F503071636.D	RIMPAH5.M	WG868351-7	WG870727,WG868351,..	3/8/2016 11:56 am
37	F503071637.D	RIMPAH5.M	WG868351-5	WG870727,WG868351,..	3/8/2016 12:29 pm
38	F503071638.D	RIMPAH5.M	WG868351-6	WG870727,WG868351,..	3/8/2016 1:02 pm
39	F503071639.D	RIMPAH5.M	L1604780-13	WG870727,WG868351,..	3/8/2016 1:35 pm
40	F503071640.D	RIMPAH5.M	L1604780-17	WG870727,WG868351,..	3/8/2016 2:09 pm
41	F503071641.D	RIMPAH5.M	L1604780-20	WG870727,WG868351,..	3/8/2016 2:43 pm
42	F503071642.D	RIMPAH5.M	L1604780-12	WG870727,WG868351,..	3/8/2016 3:17 pm
43	F503071643.D	RIMPAH5.M	WG868351-4D,32,4	WG870727,WG868351,..	3/8/2016 3:50 pm

Tune OK ✓

PAH0307PAH5

ICV OK ✓

ICAL 12131

3/9/16
JW

Printed: 03/09/16

Page: 1

SeqLog 1.0 - (c) 2009 Abacus Database Applications

Analysis log File

Total Files Reported in Log : 24
Log Generated From Directory: O:\Organics\DATA\PAH5\2016\Mar\Mar25\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F503251601.D	DFTPPPAH5.M	WG877452-2	WG877452	3/25/2016 8:08 am
2	F503251602.D	PAHSIMPAH5.M	WG877452-3	WG877452	3/25/2016 8:37 am
3	F503251603.D	PAHSCANPAH5.	WG877460-3	WG877460,MSAI10 X4	3/25/2016 9:07 am
4	F503251604.D	PCBTUNEPAH5.	tune		3/25/2016 9:38 am
5	F503251605.D	RIMPAH5.M	CCV		3/25/2016 10:06 am
6	F503251606.D	PAHSIMPAH5.M	WG876674-1	WG877452,WG876674,ICAL1..	3/25/2016 1:17 pm
7	F503251607.D	PAHSIMPAH5.M	WG876674-2	WG877452,WG876674,ICAL1..	3/25/2016 1:47 pm
8	F503251608.D	PAHSIMPAH5.M	WG876674-3	WG877452,WG876674,ICAL1..	3/25/2016 2:17 pm
9	F503251609.D	PAHSIMPAH5.M	L1607846-01	WG877452,WG876674,ICAL1..	3/25/2016 2:48 pm
10	F503251610.D	PAHSIMPAH5.M	L1607846-02	WG877452,WG876674,ICAL1..	3/25/2016 3:19 pm
11	F503251611.D	PAHSIMPAH5.M	L1607846-03	WG877452,WG876674,ICAL1..	3/25/2016 3:49 pm
12	F503251612.D	PAHSIMPAH5.M	L1607846-04	WG877452,WG876674,ICAL1..	3/25/2016 4:19 pm
13	F503251613.D	PAHSIMPAH5.M	L1607846-05	WG877452,WG876674,ICAL1..	3/25/2016 4:49 pm
14	F503251614.D	PAHSIMPAH5.M	L1607846-06	WG877452,WG876674,ICAL1..	3/25/2016 5:20 pm
15	F503251615.D	PAHSIMPAH5.M	L1607846-07	WG877452,WG876674,ICAL1..	3/25/2016 5:49 pm
16	F503251616.D	PAHSIMPAH5.M	L1607846-08	WG877452,WG876674,ICAL1..	3/25/2016 6:20 pm
17	F503251617.D	PAHSIMPAH5.M	L1607846-09	WG877452,WG876674,ICAL1..	3/25/2016 6:51 pm
18	F503251618.D	PAHSIMPAH5.M	L1607675-05	WG877452,WG876675,ICAL1..	3/25/2016 7:21 pm
19	F503251619.D	PAHSCANPAH5.	WG876220-1	WG877460,WG876220,ICAL1..	3/25/2016 7:52 pm
20	F503251620.D	PAHSCANPAH5.	WG876220-2	WG877460,WG876220,ICAL1..	3/25/2016 8:23 pm
21	F503251621.D	PAHSCANPAH5.	L1607844-01	WG877460,WG876220,ICAL1..	3/25/2016 8:53 pm
22	F503251622.D	PAHSCANPAH5.	L1607844-02		3/25/2016 9:24 pm
23	F503251623.D	PAHSCANPAH5.	L1607844-03		3/25/2016 9:54 pm
24	F503251624.D	PAHSCANPAH5.	L1607844-04		3/25/2016 10:25 pm

SeqLog 1.0 - (c) 2009 Abacus Database Applications

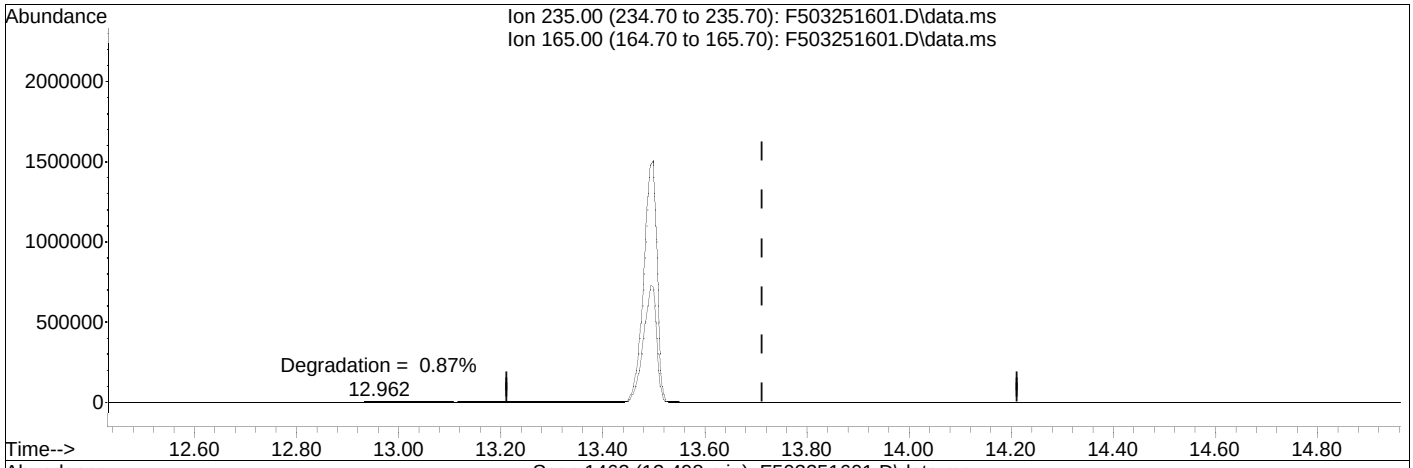
Analytical Event

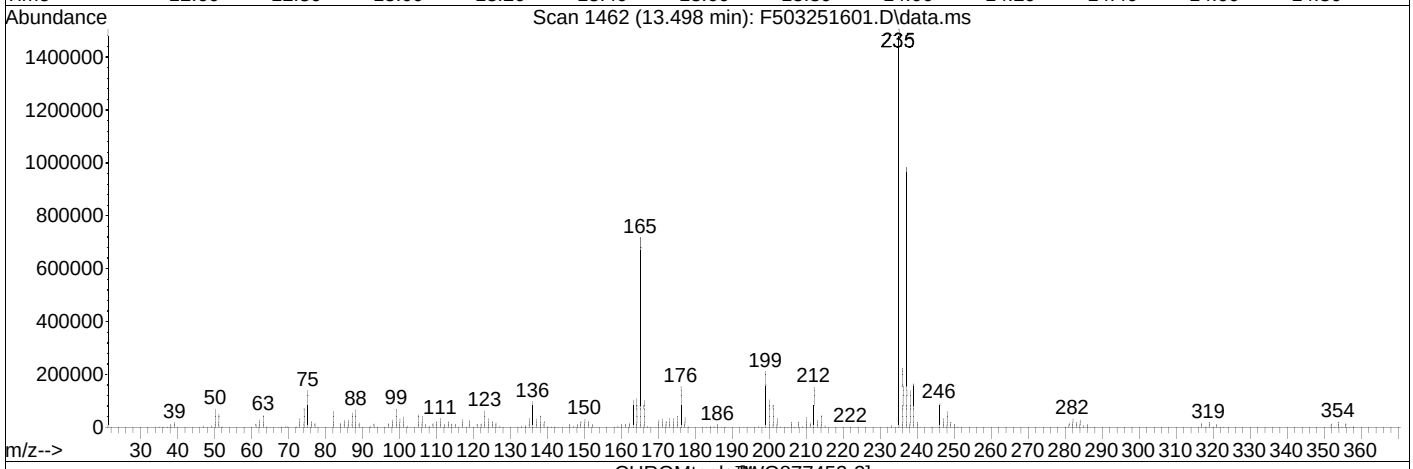
Degradation Check Standard

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251601.D
Acq On : 25 Mar 2016 8:08 am
Operator : PAH5:sf
Sample : WG877452-2
Misc : WG877452
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 14:48:15 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\DFTPPPAH5.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 17 14:52:29 2016
Response via : Initial Calibration





CHROMtools [WG877452-2]

(4) DDT ( )

13.498min (-0.214) 0.00

response 2592367

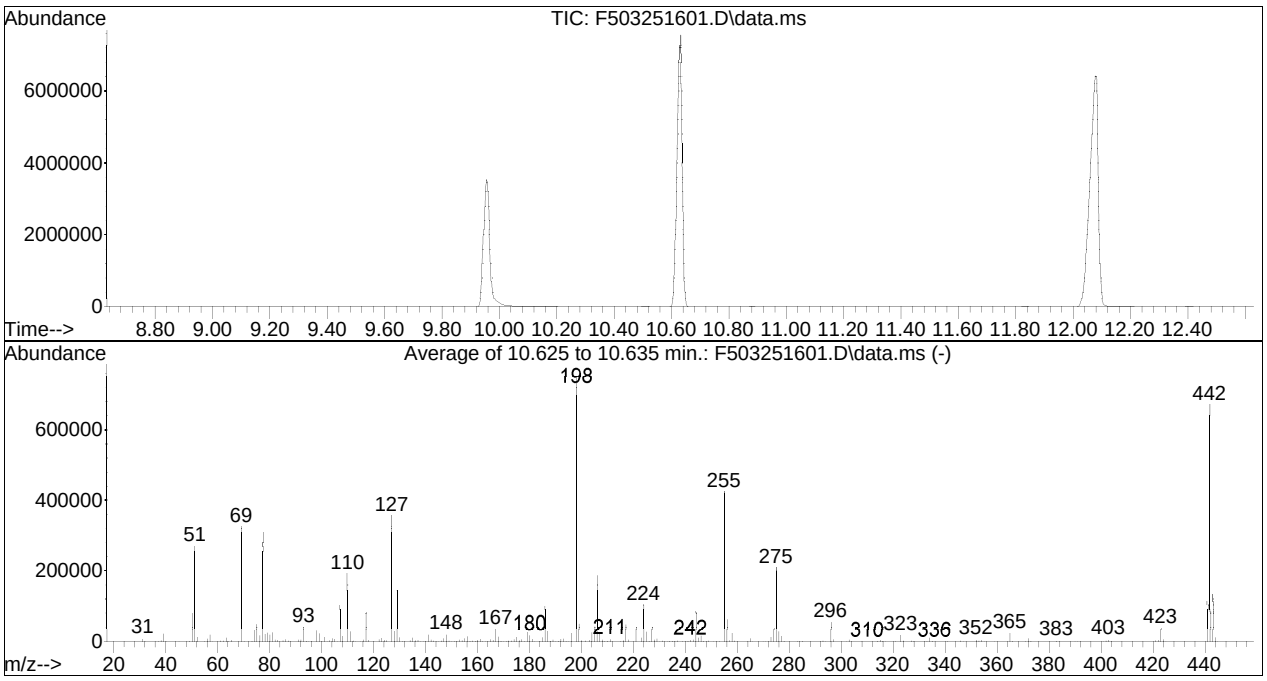
Ion	Exp%	Act%
235.00	100	100
165.00	47.40	49.21
0.00	0.00	0.00
0.00	0.00	0.00

Continuing Calibration
DFTPP Tune

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251601.D
Acq On : 25 Mar 2016 8:08 am
Operator : PAH5:sf
Sample : WG877452-1
Misc : WG877452
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Title : PAH's by SIM
Last Update : Tue Mar 29 11:34:32 2016



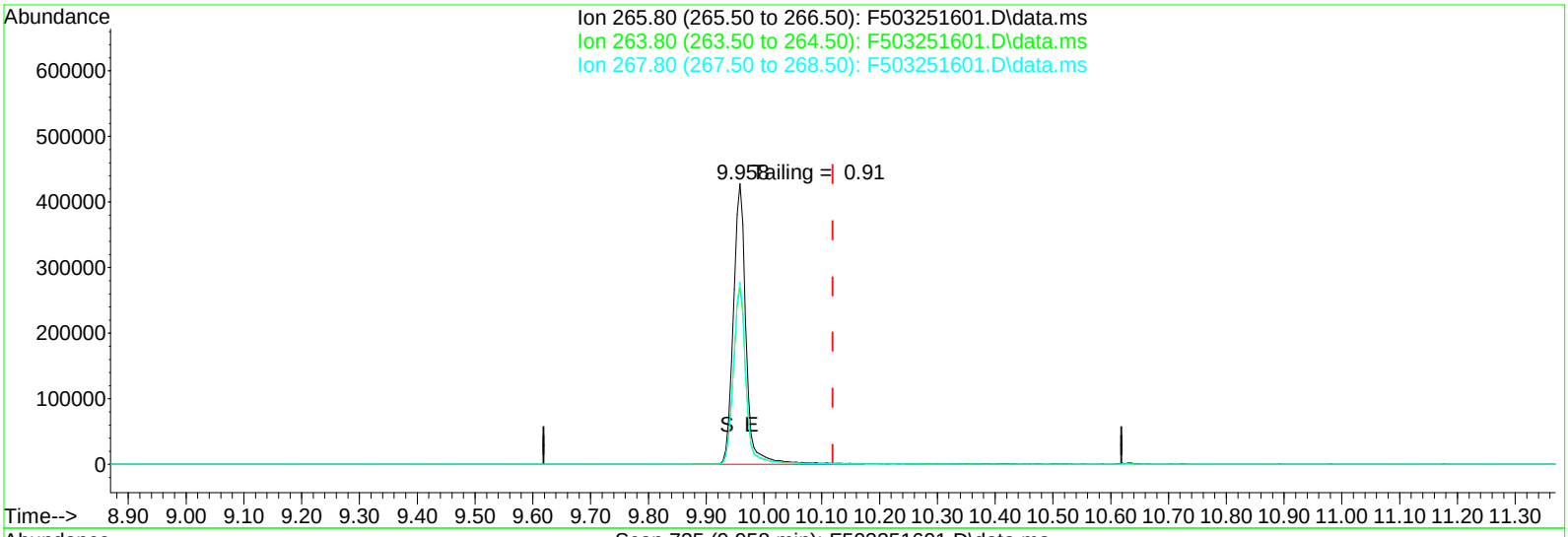
AutoFind: Scans 872, 873, 874; Background Corrected with Scan 863

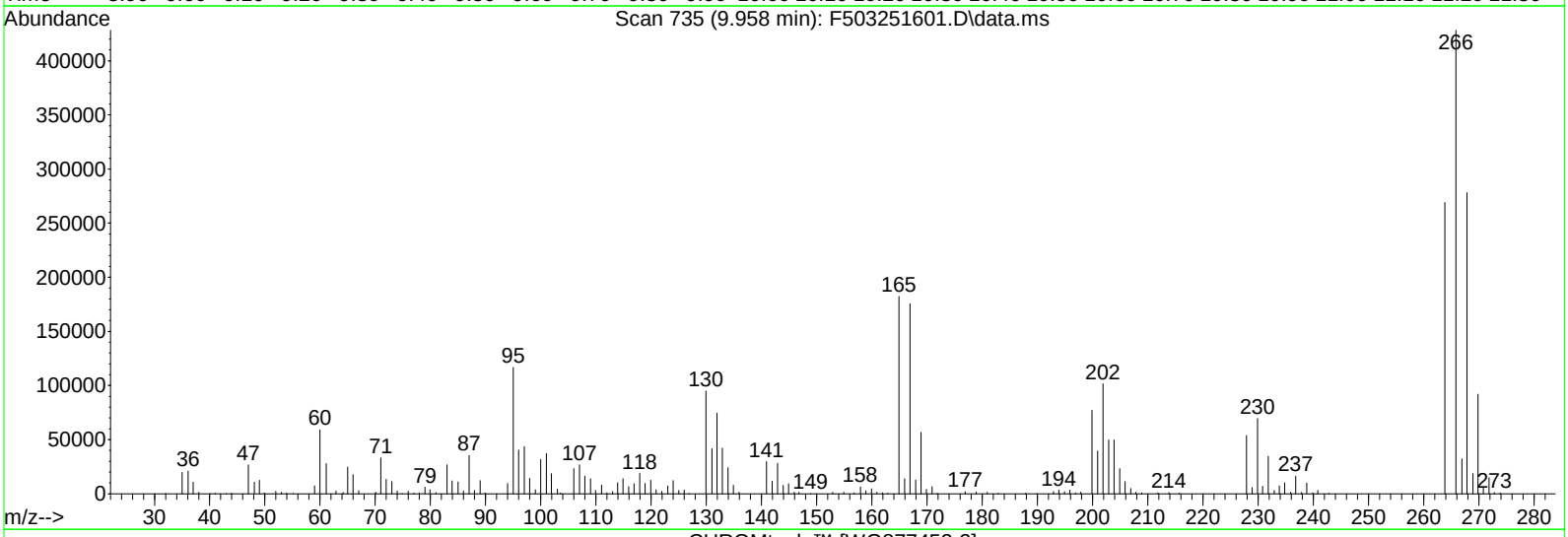
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	36.1	269653	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.5	1562	PASS
127	198	10	80	47.6	356117	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	747925	PASS
199	198	5	9	6.7	50213	PASS
275	198	10	60	27.8	208256	PASS
365	198	1	100	3.2	23632	PASS
441	442	0.01	24	16.8	113027	PASS
442	198	50	100	89.8	671381	PASS
443	442	15	24	19.6	131725	PASS

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251601.D
Acq On : 25 Mar 2016 8:08 am
Operator : PAH5:sf
Sample : WG877452-2
Misc : WG877452
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 14:48:15 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\DFTPPPAH5.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 17 14:52:29 2016
Response via : Initial Calibration





CHROMtools™ [WG877452-2]

(1) Pentachlorophenol (MC)

9.958min (-0.161) 12.44 ug/mL

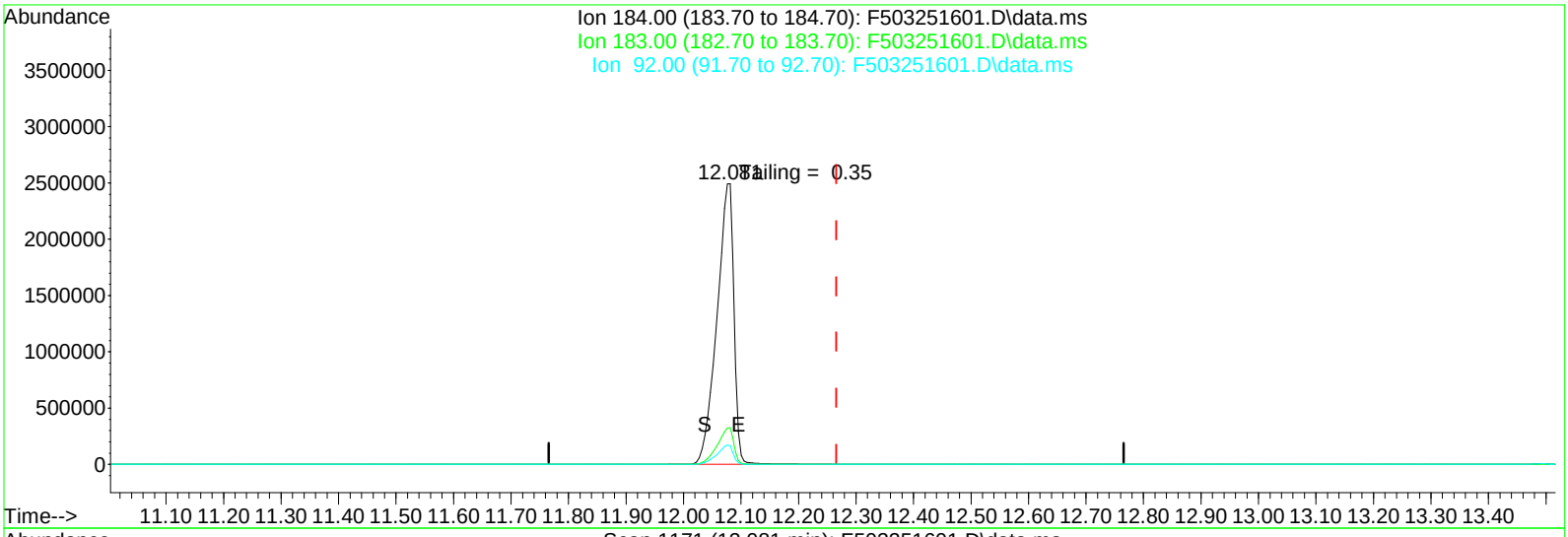
response 650913

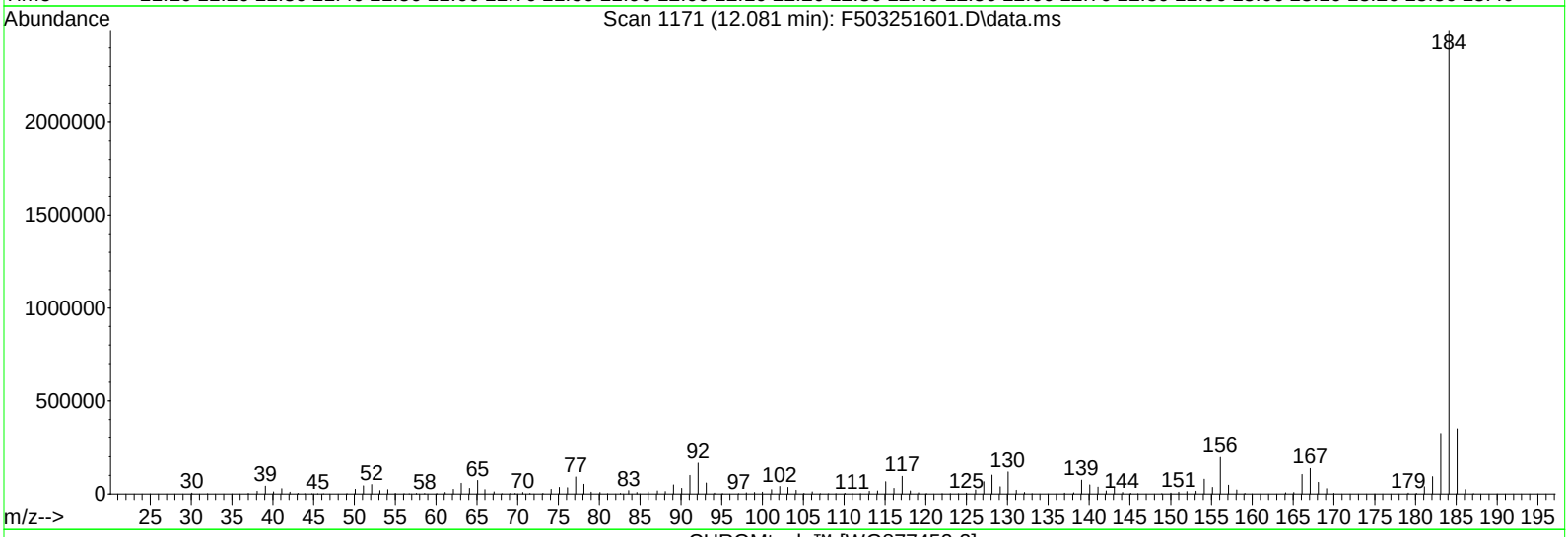
Ion	Exp%	Act%
265.80	100	100
263.80	65.20	62.91
267.80	63.60	64.05
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251601.D
Acq On : 25 Mar 2016 8:08 am
Operator : PAH5:sf
Sample : WG877452-2
Misc : WG877452
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 14:48:15 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\DFTPPPAH5.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 17 14:52:29 2016
Response via : Initial Calibration





CHROMtools™ [WG877452-2]

(3) Benzidine (T)

12.081min (-0.185) 62.91 ug/mL

response 5118314 ~3 x >CAL (25)

Ion	Exp%	Act%
184.00	100	100
183.00	12.60	12.80
92.00	9.90	6.60#
0.00	0.00	0.00

Continuing Calibration

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251602.D
Acq On : 25 Mar 2016 8:37 am
Operator : PAH5:sf
Sample : WG877452-3
Misc : WG877452
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 14:48:18 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	Naphthalene-d8	1.000	1.000	0.0	72	0.00
2	t	Naphthalene	1.064	1.061	0.3	72	0.00
3	t	1,4-Dichlorobenzene	0.517	0.527	-1.9	74	0.00
4	s	2-Methylnaphthalene-d10	0.569	0.525	7.7	66	0.00
5	t	2-Methylnaphthalene	0.709	0.679	4.2	68	0.00
6	t	1-Methylnaphthalene	0.676	0.640	5.3	67	0.00
7	i	Acenaphthene-d10	1.000	1.000	0.0	68	0.00
8	t	Dibenzothiophene	2.363	2.456	-3.9	69	0.00
9		2-Chloronaphthalene	1.552	1.639	-5.6	71	0.00
10	t	Biphenyl	1.829	1.785	2.4	67	0.00
11	t	2,6-Dimethylnaphthalene	1.266	1.237	2.3	65	0.00
12	t	Acenaphthylene	*500.000	510.806	-2.2	71	0.00
13	t	Acenaphthene	1.454	1.413	2.8	66	0.00
14	t	Dibenzofuran	2.059	2.052	0.3	68	0.00
15	t	Fluorene	1.599	1.577	1.4	66	0.00
16	t	2,3,5-Trimethylnaphthalene	1.129	1.088	3.6	64	0.00
17	i	Phenanthrene-d10	1.000	1.000	0.0	68	0.00
18	s	Fluoranthene-d10	1.000	0.959	4.1	62	0.00
19	t	Phenanthrene	1.225	1.168	4.7	65	0.00
20	t	Anthracene	1.136	1.147	-1.0	65	0.00
21	t	Carbazole	1.091	1.102	-1.0	66	0.00
22	t	1-Methylphenanthrene	0.832	0.822	1.2	64	0.00
23	t	Fluoranthene	1.289	1.298	-0.7	65	0.00
24	i	Chrysene-d12	1.000	1.000	0.0	68	0.00
25	s	Pyrene-d10	0.914	0.857	6.2	62	0.00
26	t	Pyrene	1.442	1.414	1.9	65	0.00
27	t	Benz[a]anthracene	1.149	1.140	0.8	65	0.00
28	t	Chrysene	1.231	1.166	5.3	64	0.00
29	i	Perylene-d12	1.000	1.000	0.0	65	0.00
30	s	Benzo(a)pyrene-d12	0.792	0.793	-0.1	61	0.00
31	s	Benzo[b]fluoranthene-d12	0.862	0.879	-2.0	65	0.00
32	t	Benzo[b]fluoranthene	1.252	1.409	-12.5	65	0.00
33	t	Benzo[k]fluoranthene	1.127	1.105	2.0	64	0.00
34	t	Benzo[e]pyrene	1.113	1.164	-4.6	64	0.00
35	t	Benzo[a]pyrene	1.173	1.232	-5.0	63	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251602.D
Acq On : 25 Mar 2016 8:37 am
Operator : PAH5:sf
Sample : WG877452-3
Misc : WG877452
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 14:48:18 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36 t	Perylene	1.271	1.219	4.1	62	0.00
37 t	Indeno[1,2,3-cd]pyrene	*500.000	482.210	3.6	70	0.00
38 t	Dibenz[a,h]anthracene	*500.000	488.471	2.3	67	0.00
39 t	Benzo[g,h,i]perylene	1.113	1.185	-6.5	66	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	1.12	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.94	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251602.D
Acq On : 25 Mar 2016 8:37 am
Operator : PAH5:sf
Sample : WG877452-3
Misc : WG877452
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 14:48:18 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.490	136	104710	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.238	164	48929	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.676	188	98650	500.000	ng/mL	0.00
24) Chrysene-d12	13.822	240	99409	500.000	ng/mL	0.00
29) Perylene-d12	16.189	264	91625	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.170	152	55012	461.814	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 9.24%#			
18) Fluoranthene-d10	11.881	212	94649	479.903	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 95.98%			
25) Pyrene-d10	12.141	212	85161	468.486	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 9.37%#			
30) Benzo(a)pyrene-d12	16.055	264	72665	500.447	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 100.09%			
31) Benzo[b]fluoranthene-d12	15.518	264	80580	510.199	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 10.20%#			
Target Compounds						Qvalue
2) Naphthalene	7.511	128	111117	498.747	ng/mL	98
3) 1,4-Dichlorobenzene	6.216	146	55222	510.331	ng/mL	99
5) 2-Methylnaphthalene	8.198	142	71069	478.967	ng/mL	97
6) 1-Methylnaphthalene	8.304	142	67024	473.192	ng/mL	99
8) Dibenzothiophene	10.573	184	120160	519.560	ng/mL	99
9) 2-Chloronaphthalene	8.679	162	80193	528.092	ng/mL	100
10) Biphenyl	8.665	154	87336	488.023	ng/mL	99
11) 2,6-Dimethylnaphthalene	8.814	156	60523	488.451	ng/mL	99
12) Acenaphthylene	9.090	152	109823	510.806	ng/mL	100
13) Acenaphthene	9.267	153	69125	485.800	ng/mL	98
14) Dibenzofuran	9.424	168	100417	498.388	ng/mL	97
15) Fluorene	9.763	166	77166	493.192	ng/mL	94
16) 2,3,5-Trimethylnaphthalen	9.644	170	53254	481.921	ng/mL	81
19) Phenanthrene	10.691	178	115177	476.689	ng/mL	98
20) Anthracene	10.739	178	113127	504.929	ng/mL	99
21) Carbazole	10.904	167	108719	504.874	ng/mL#	83
22) 1-Methylphenanthrene	11.305	192	81093	494.217	ng/mL	97
23) Fluoranthene	11.904	202	128006	503.153	ng/mL#	87
26) Pyrene	12.157	202	140535	490.265	ng/mL#	90
27) Benz[a]anthracene	13.790	228	113278	495.820	ng/mL	98
28) Chrysene	13.853	228	115864	473.329	ng/mL	98

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251602.D
Acq On : 25 Mar 2016 8:37 am
Operator : PAH5:sf
Sample : WG877452-3
Misc : WG877452
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 14:48:18 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo[b]fluoranthene	15.558	252	129126	562.765	ng/mL	97
33) Benzo[k]fluoranthene	15.597	252	101253	490.099	ng/mL	98
34) Benzo[e]pyrene	16.007	252	106606	522.779	ng/mL	97
35) Benzo[a]pyrene	16.086	252	112884M4	524.957	ng/mL	
36) Perylene	16.228	252	111708	479.526	ng/mL	97
37) Indeno[1,2,3-cd]pyrene	17.956	276	100450M4	482.210	ng/mL	
38) Dibenz[a,h]anthracene	17.996	278	104399	488.471	ng/mL#	74
39) Benzo[g,h,i]perylene	18.422	276	108595	532.530	ng/mL#	83

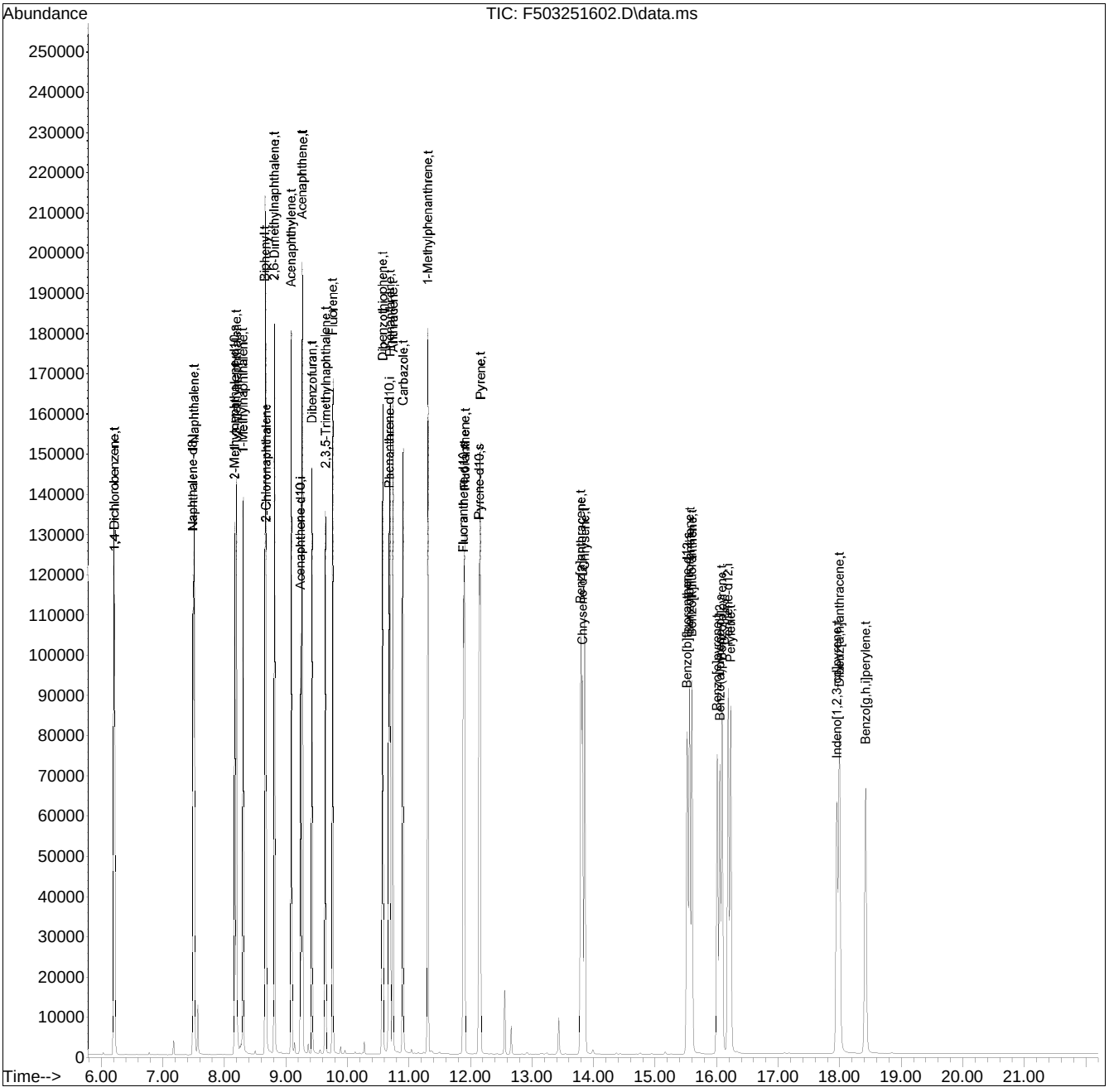
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251602.D
Acq On : 25 Mar 2016 8:37 am
Operator : PAH5:sf
Sample : WG877452-3
Misc : WG877452
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 30 14:48:18 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251609.D
Acq On : 25 Mar 2016 2:48 pm
Operator : PAH5:sf
Sample : L1607846-01
Misc : WG877452,WG876674,ICAL12131
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 30 14:48:32 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.490	136	82514	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.239	164	39252	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.676	188	80248	500.000	ng/mL	0.00
24) Chrysene-d12	13.814	240	81328	500.000	ng/mL	0.00
29) Perylene-d12	16.189	264	79237	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.170	152	29925	318.790	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery =	6.38%#		
25) Pyrene-d10	12.141	212	56164	377.659	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery =	7.55%#		
31) Benzo[b]fluoranthene-d12	15.518	264	55171	403.932	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery =	8.08%#		
Target Compounds						Qvalue
2) Naphthalene	7.511	128	891	5.075	ng/mL#	92
5) 2-Methylnaphthalene	8.198	142	161M4	1.377	ng/mL	
12) Acenaphthylene	9.090	152	68M4	1.625	ng/mL	
13) Acenaphthene	9.267	153	78M4	0.683	ng/mL	
15) Fluorene	9.755	166	111M3	0.884	ng/mL	
19) Phenanthrene	10.691	178	445M4	2.264	ng/mL	
20) Anthracene	10.739	178	42	N.D.		
23) Fluoranthene	11.904	202	327	1.580	ng/mL#	64
26) Pyrene	12.157	202	252M3	1.075	ng/mL	
27) Benz[a]anthracene	13.798	228	71	N.D.		
28) Chrysene	13.853	228	106M4	0.529	ng/mL	
32) Benzo[b]fluoranthene	15.558	252	120M4	0.605	ng/mL	
33) Benzo[k]fluoranthene	15.589	252	93M3	0.521	ng/mL	
35) Benzo[a]pyrene	16.086	252	85	N.D.		
37) Indeno[1,2,3-cd]pyrene	17.956	276	80M4	6.905	ng/mL	
38) Dibenz[a,h]anthracene	17.988	278	26M4	5.030	ng/mL	
39) Benzo[g,h,i]perylene	18.422	276	90	0.510	ng/mL#	1

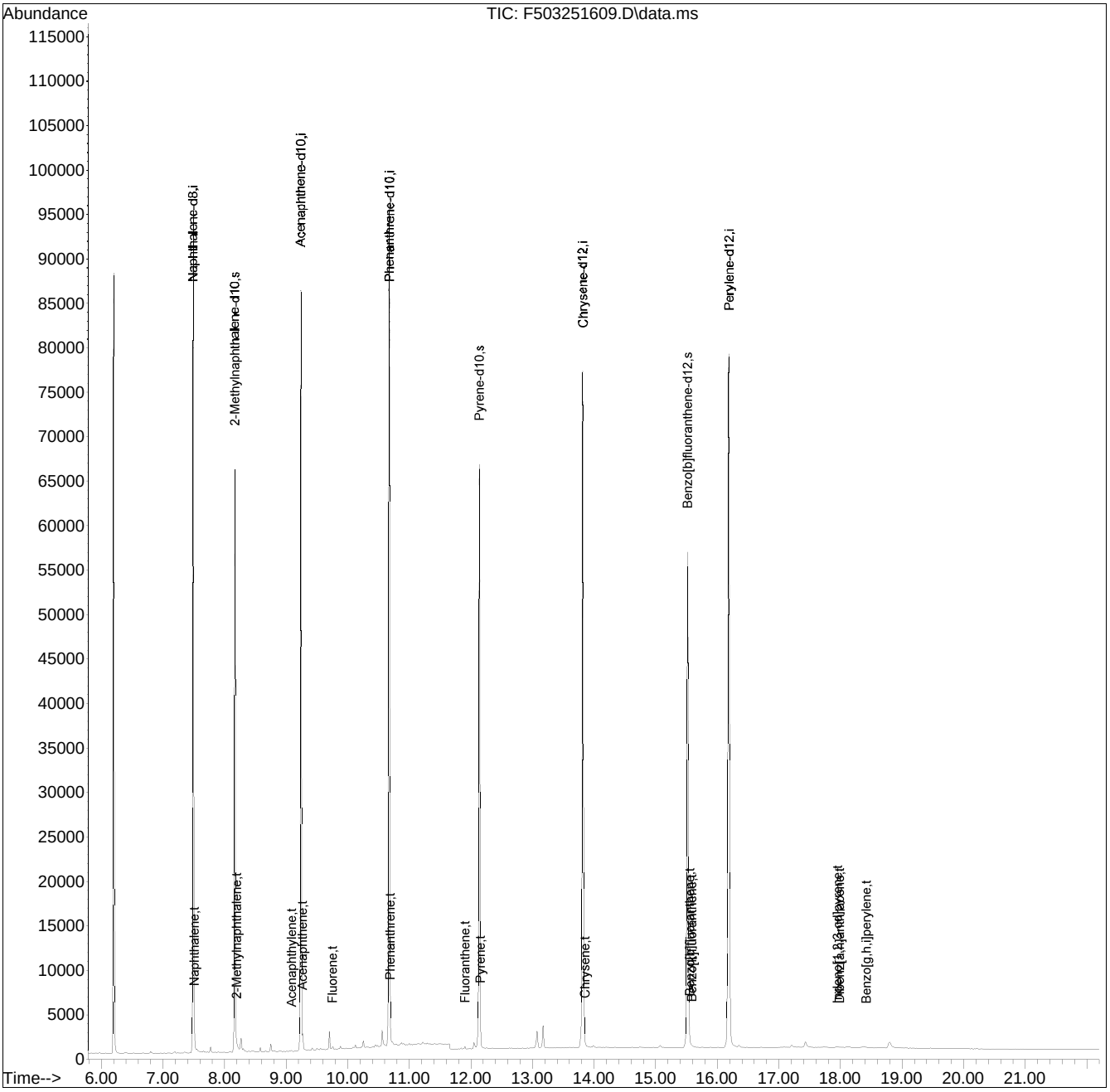
(#) = qualifier out of range (m) = manual integration (+) = signals summed

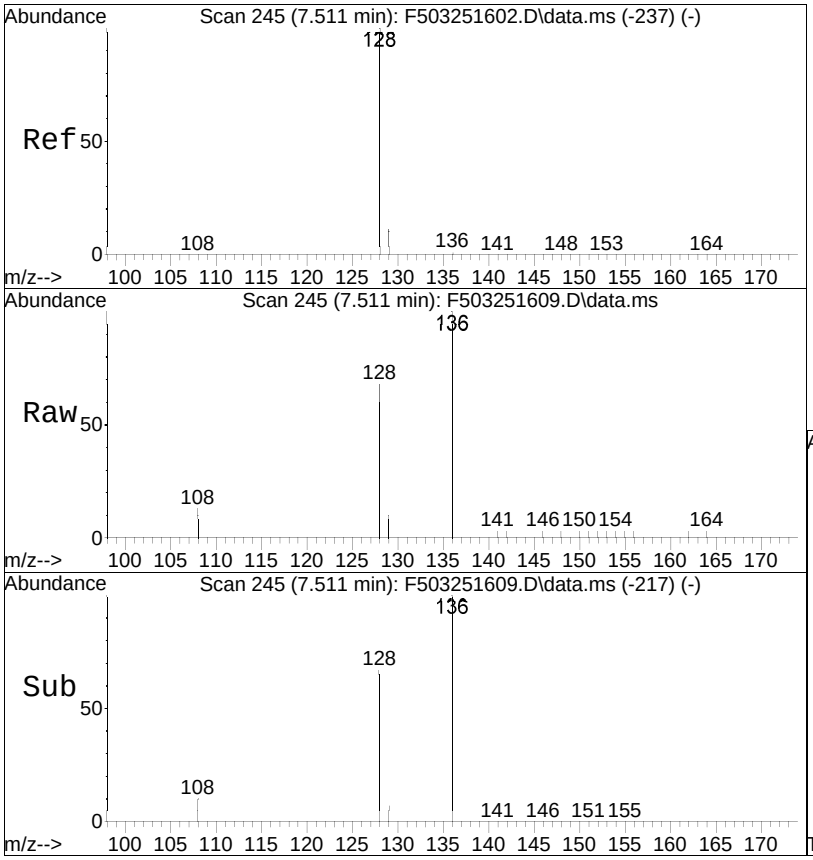
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251609.D
Acq On : 25 Mar 2016 2:48 pm
Operator : PAH5:sf
Sample : L1607846-01
Misc : WG877452,WG876674,ICAL12131
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 30 14:48:32 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

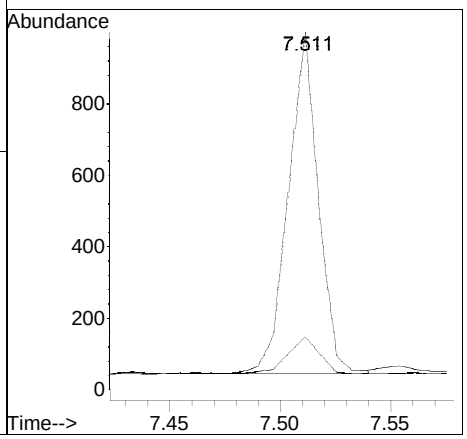


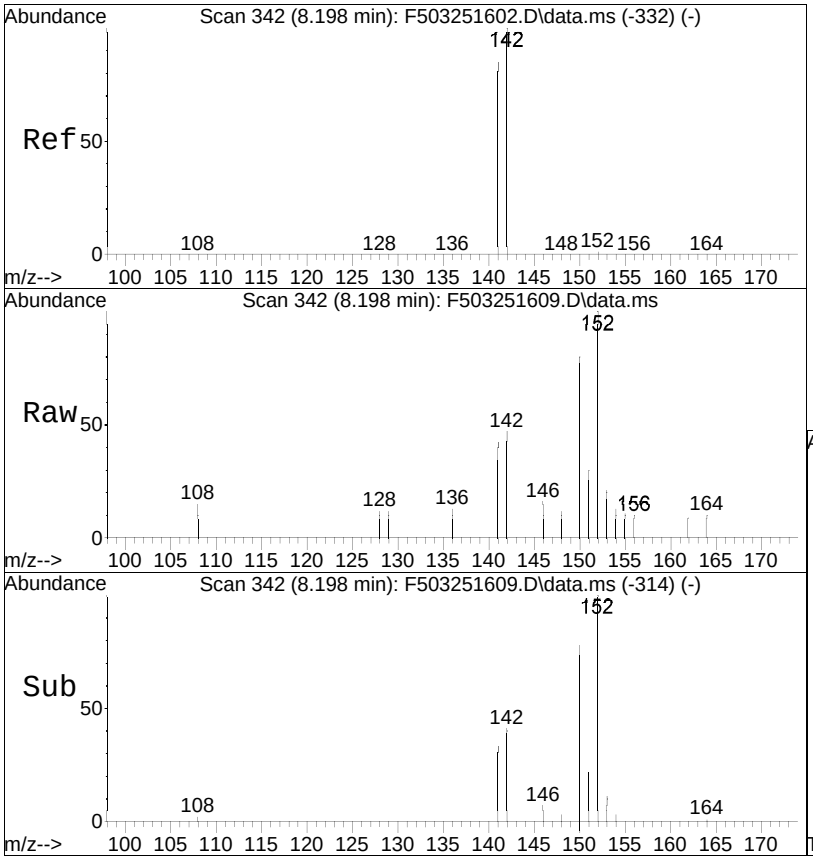


#2
Naphthalene
Concen: 5.08 ng/mL
RT: 7.511 min Scan# 245
Delta R.T. 0.000 min
Lab File: F503251609.D
Acq: 25 Mar 2016 2:48 pm

Tgt Ion:128 Resp: 891

Ion	Ratio	Lower	Upper
128	100		
129	14.7	9.2	13.8#

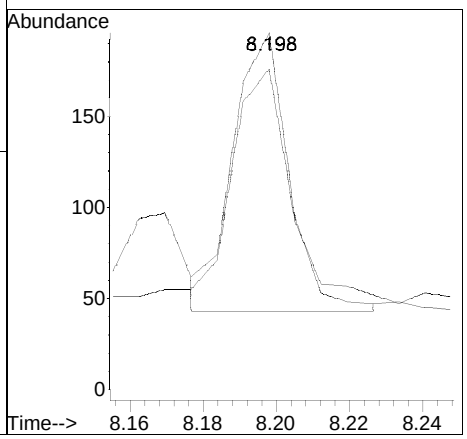


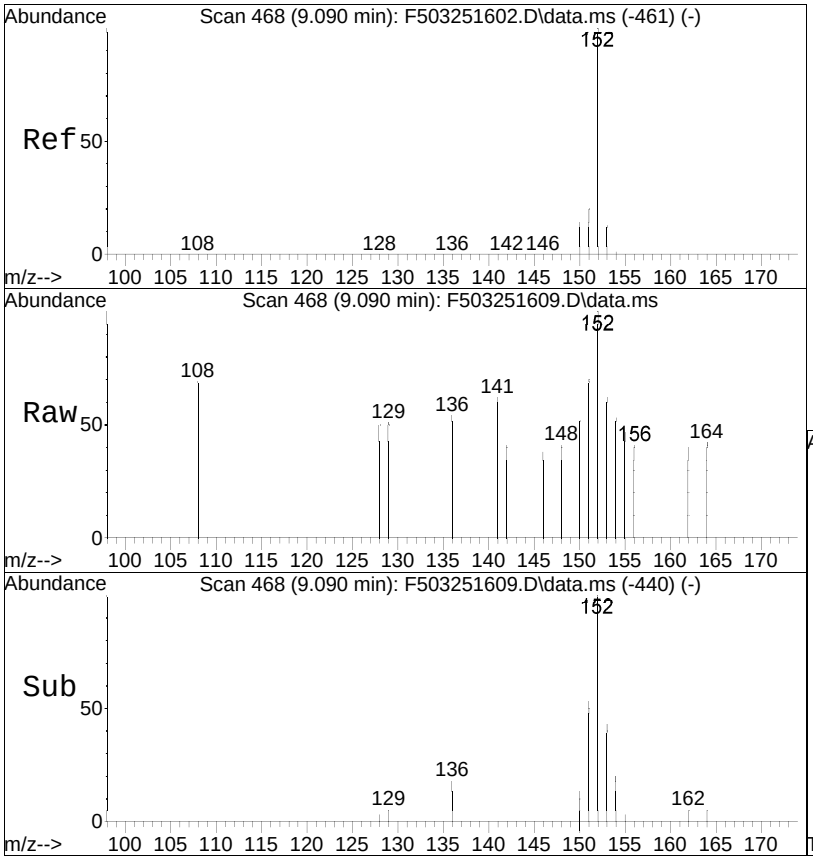


#5
2-Methylnaphthalene
Concen: 1.38 ng/mL M4
RT: 8.198 min Scan# 342
Delta R.T. 0.000 min
Lab File: F503251609.D
Acq: 25 Mar 2016 2:48 pm

Tgt Ion:142 Resp: 161

Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.9	106.3

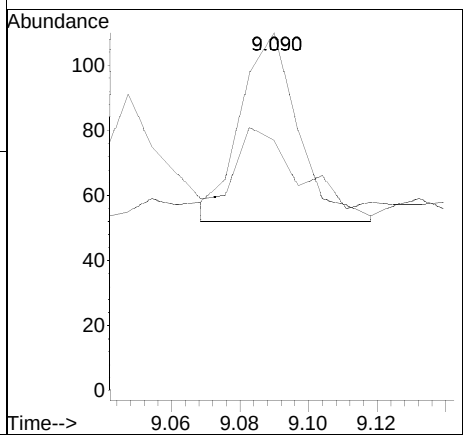


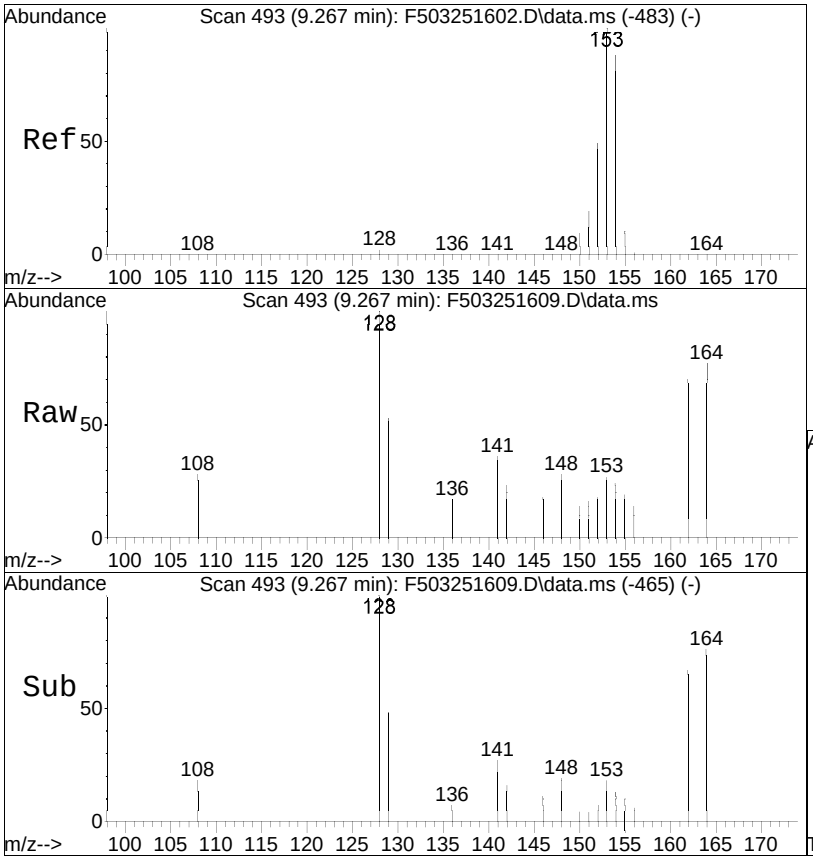


#12
Acenaphthylene
Concen: 1.63 ng/mL M4
RT: 9.090 min Scan# 468
Delta R.T. 0.000 min
Lab File: F503251609.D
Acq: 25 Mar 2016 2:48 pm

Tgt Ion:152 Resp: 68

Ion	Ratio	Lower	Upper
152	100		
151	70.0	16.1	24.1#

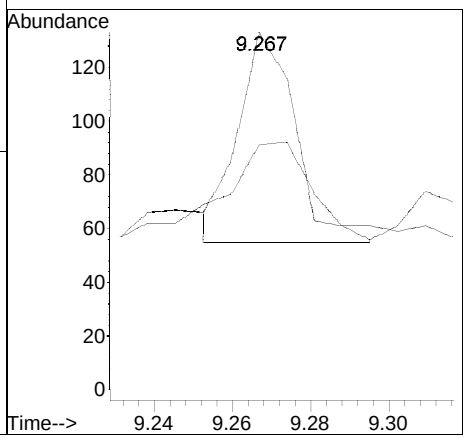


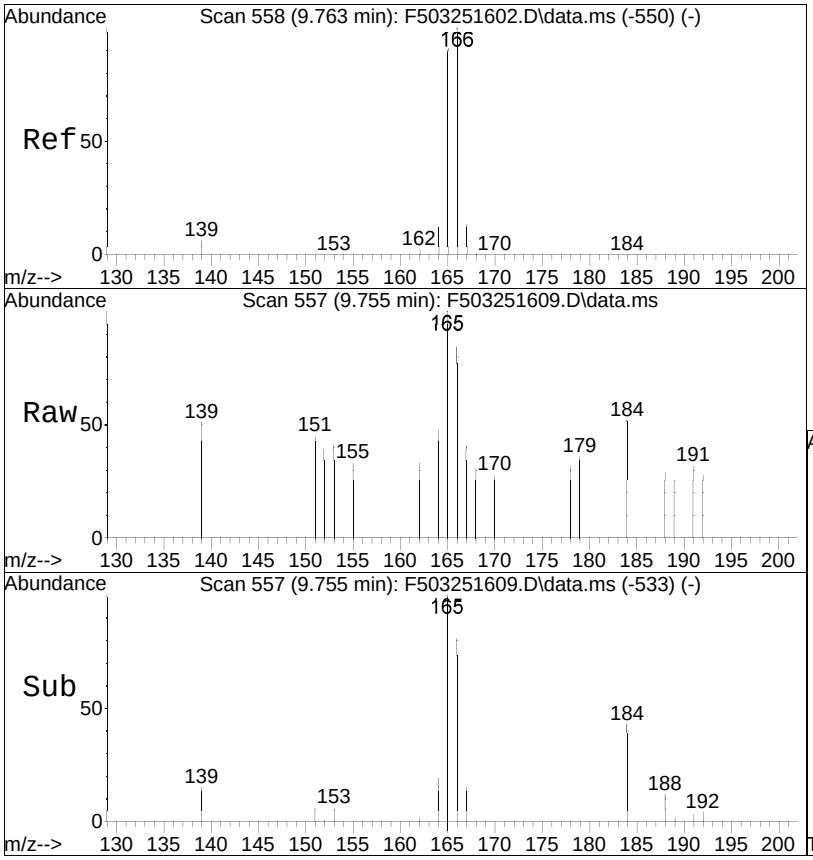


#13
Acenaphthene
Concen: 0.68 ng/mL M4
RT: 9.267 min Scan# 493
Delta R.T. 0.000 min
Lab File: F503251609.D
Acq: 25 Mar 2016 2:48 pm

Tgt Ion:153 Resp: 78

Ion	Ratio	Lower	Upper
153	100		
152	68.4	37.8	56.8#

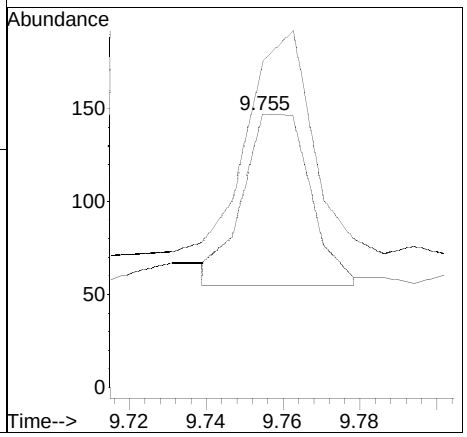


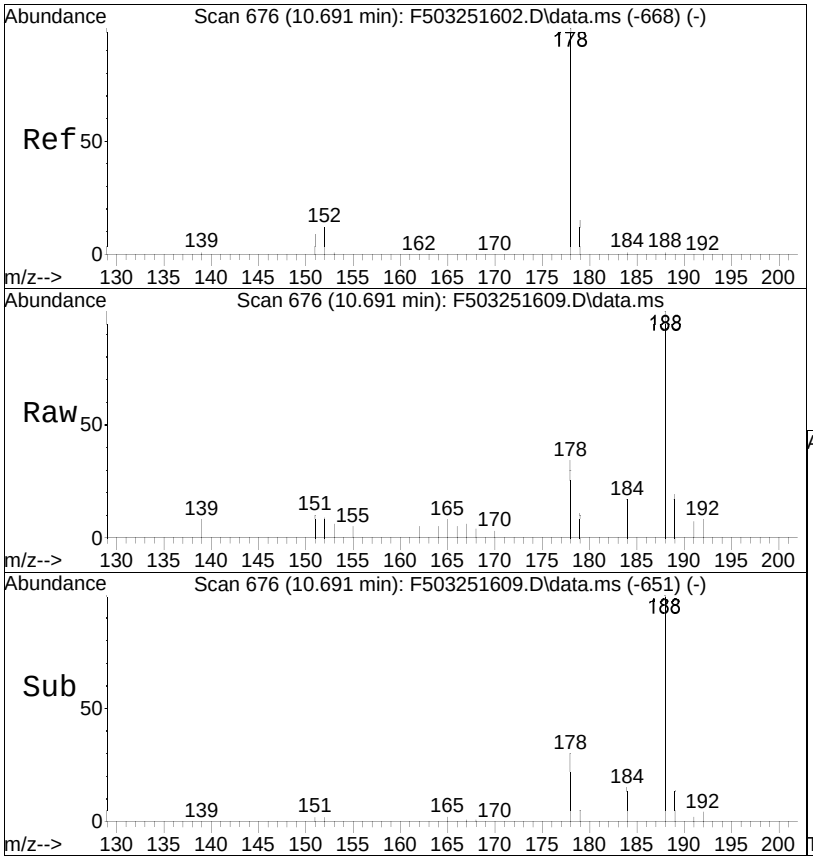


#15
Fluorene
Concen: 0.88 ng/mL M3
RT: 9.755 min Scan# 557
Delta R.T. -0.008 min
Lab File: F503251609.D
Acq: 25 Mar 2016 2:48 pm

Tgt Ion:166 Resp: 111

Ion	Ratio	Lower	Upper
166	100		
165	119.7	77.3	115.9#

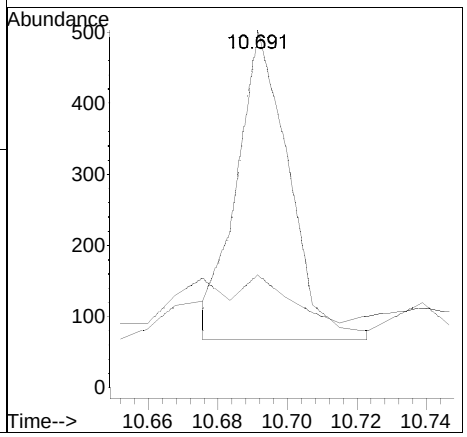


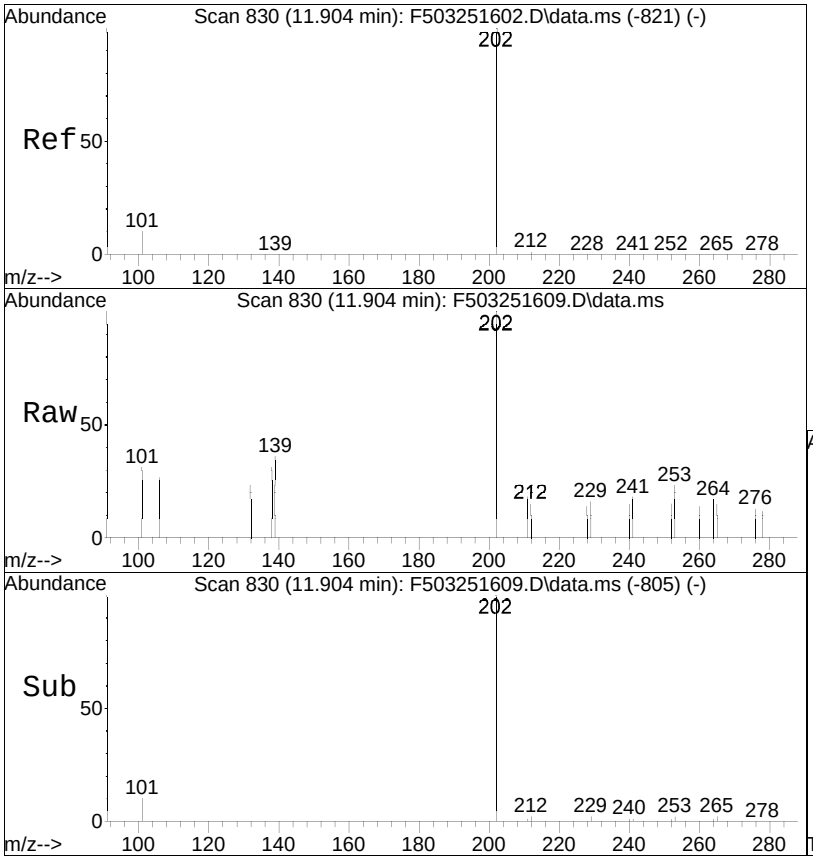


#19
Phenanthrene
Concen: 2.26 ng/mL M4
RT: 10.691 min Scan# 676
Delta R.T. 0.000 min
Lab File: F503251609.D
Acq: 25 Mar 2016 2:48 pm

Tgt Ion:178 Resp: 445

Ion	Ratio	Lower	Upper
178	100		
179	31.7	12.4	18.6#

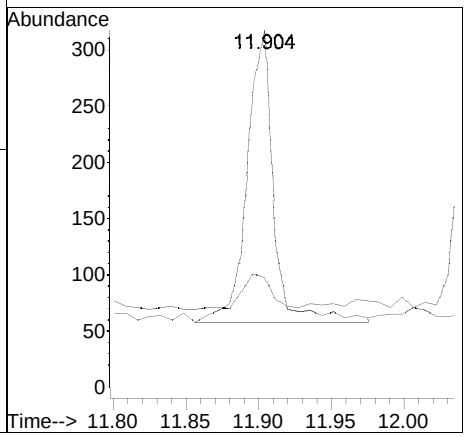


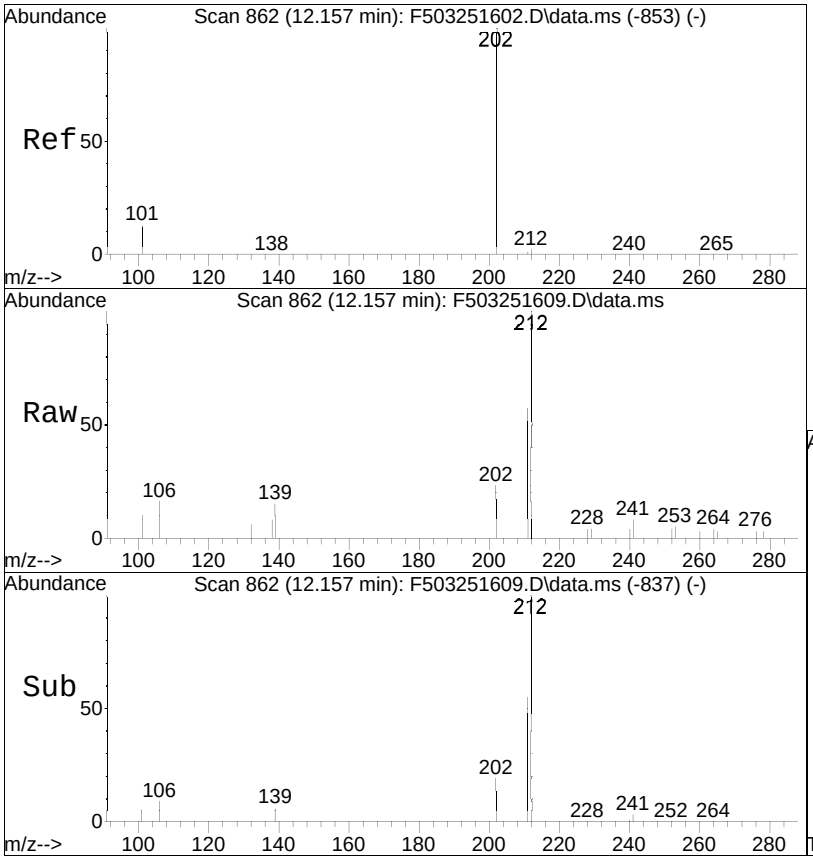


#23
Fluoranthene
Concen: 1.58 ng/mL
RT: 11.904 min Scan# 830
Delta R.T. 0.000 min
Lab File: F503251609.D
Acq: 25 Mar 2016 2:48 pm

Tgt Ion:202 Resp: 327

Ion	Ratio	Lower	Upper
202	100		
101	30.9	12.6	19.0#

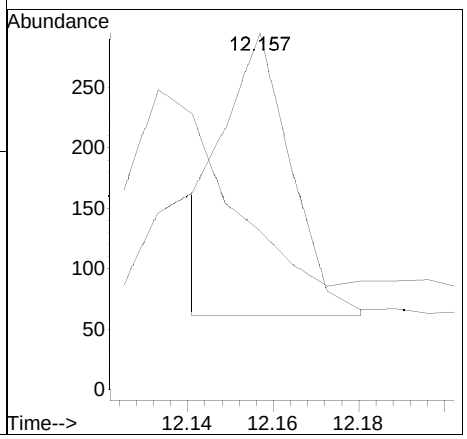


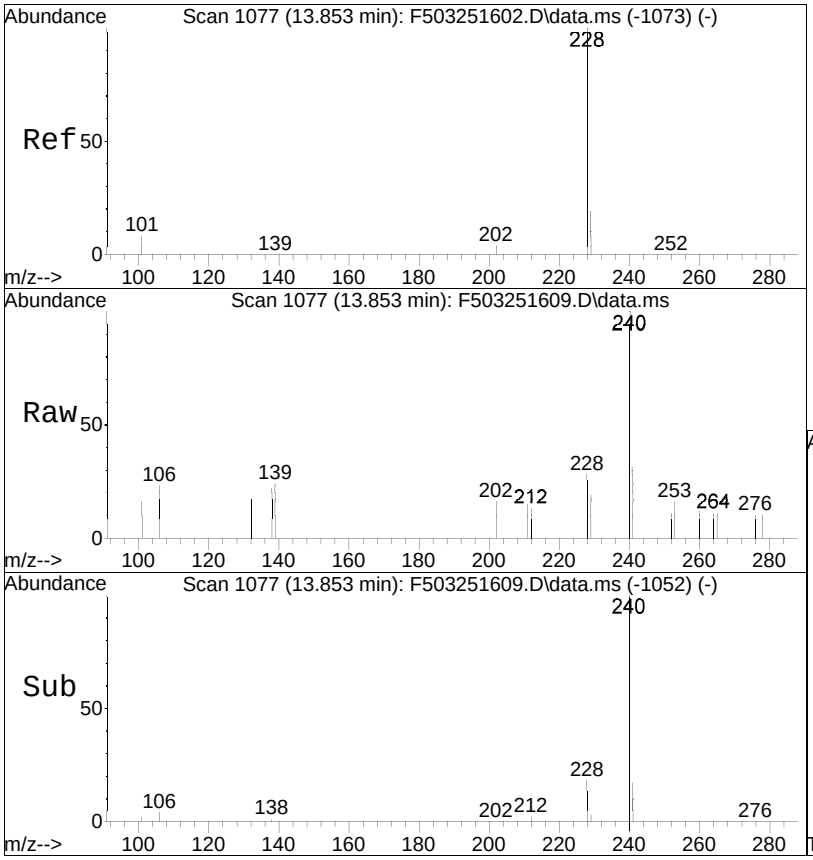


#26
Pyrene
Concen: 1.07 ng/mL M3
RT: 12.157 min Scan# 862
Delta R.T. 0.000 min
Lab File: F503251609.D
Acq: 25 Mar 2016 2:48 pm

Tgt Ion:202 Resp: 252

Ion	Ratio	Lower	Upper
202	100		
101	44.7	14.4	21.6#

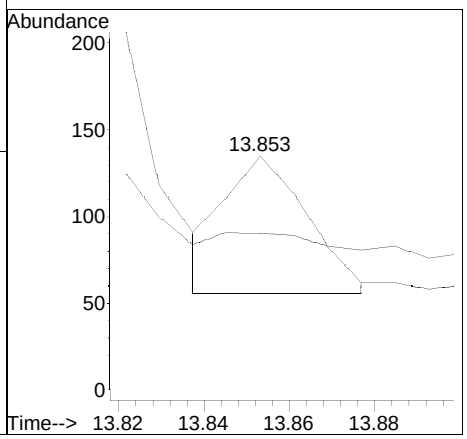


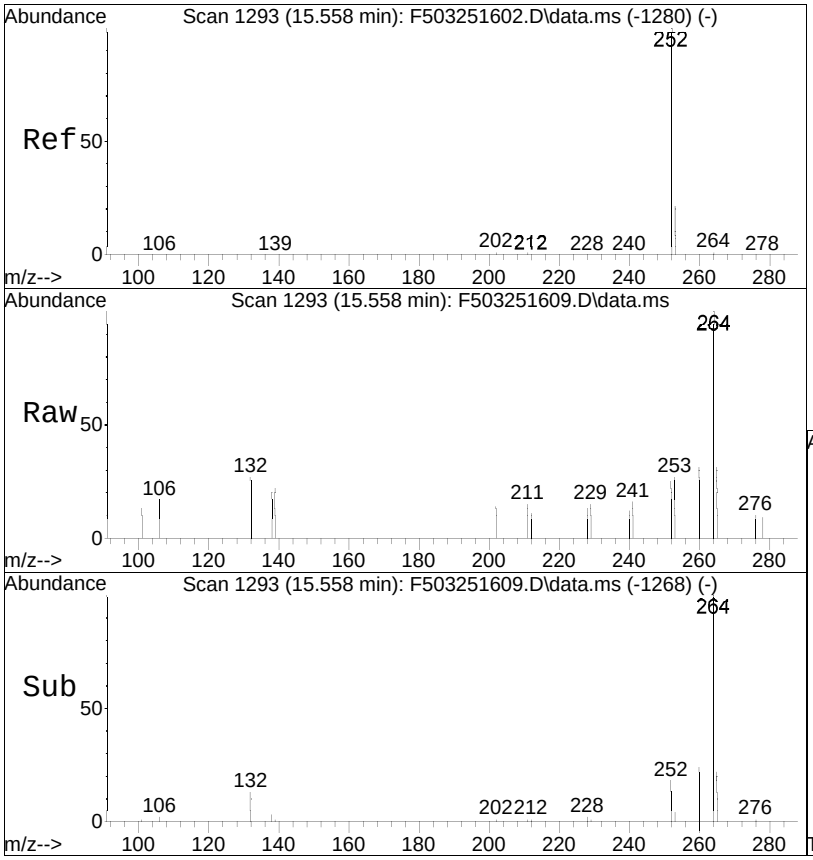


#28
Chrysene
Concen: 0.53 ng/mL M4
RT: 13.853 min Scan# 1077
Delta R.T. 0.000 min
Lab File: F503251609.D
Acq: 25 Mar 2016 2:48 pm

Tgt Ion:228 Resp: 106

Ion	Ratio	Lower	Upper
228	100		
229	66.7	16.1	24.1#

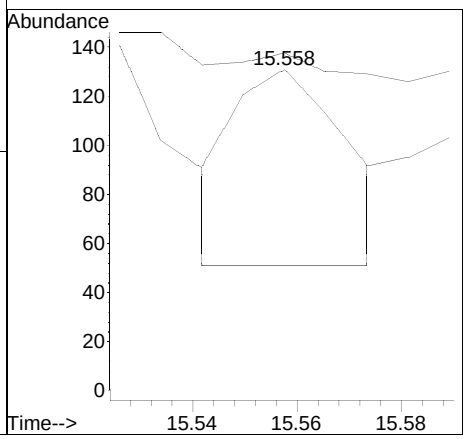


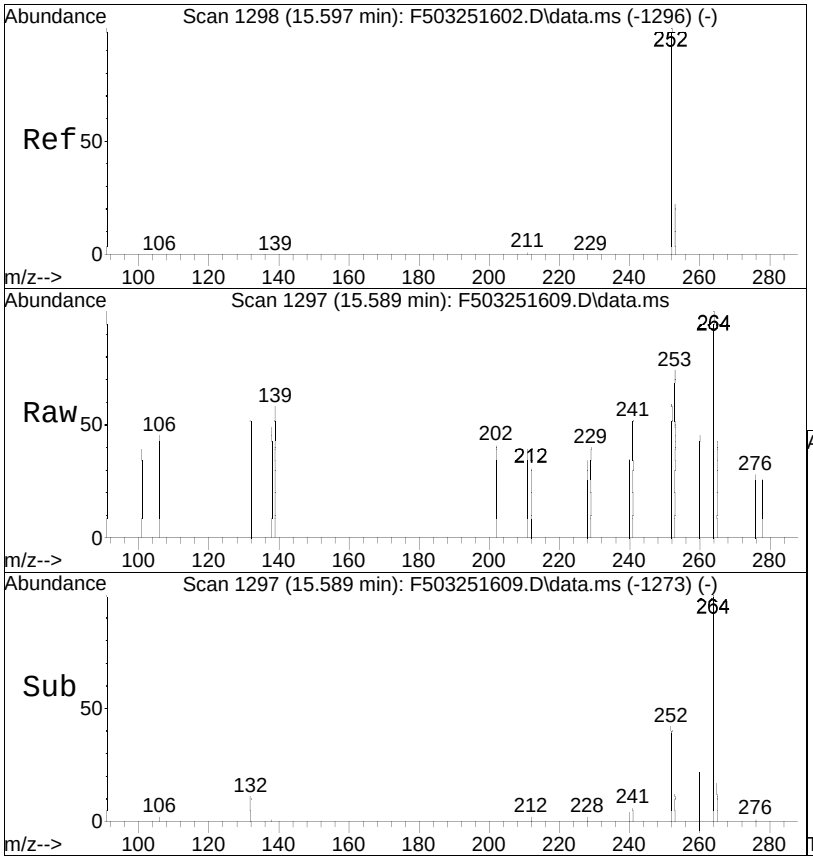


#32
Benzo[b]fluoranthene
Concen: 0.60 ng/mL M4
RT: 15.558 min Scan# 1293
Delta R.T. 0.000 min
Lab File: F503251609.D
Acq: 25 Mar 2016 2:48 pm

Tgt Ion:252 Resp: 120

Ion	Ratio	Lower	Upper
252	100		
253	105.3	18.2	27.4#

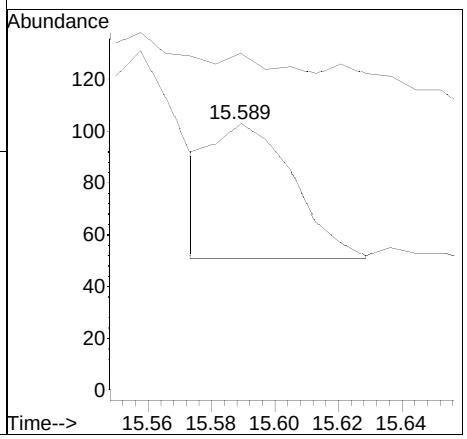


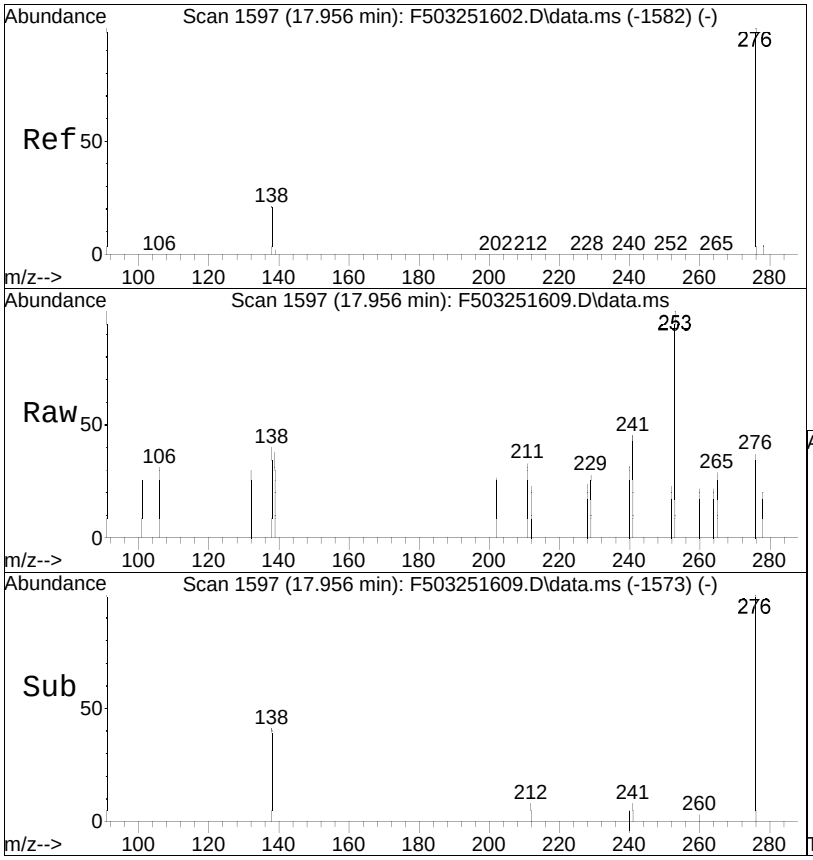


#33
Benzo[k]fluoranthene
Concen: 0.52 ng/mL M3
RT: 15.589 min Scan# 1297
Delta R.T. -0.008 min
Lab File: F503251609.D
Acq: 25 Mar 2016 2:48 pm

Tgt Ion:252 Resp: 93

Ion	Ratio	Lower	Upper
252	100		
253	126.2	18.2	27.2#

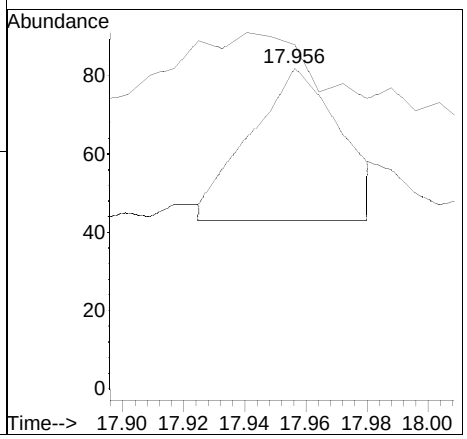


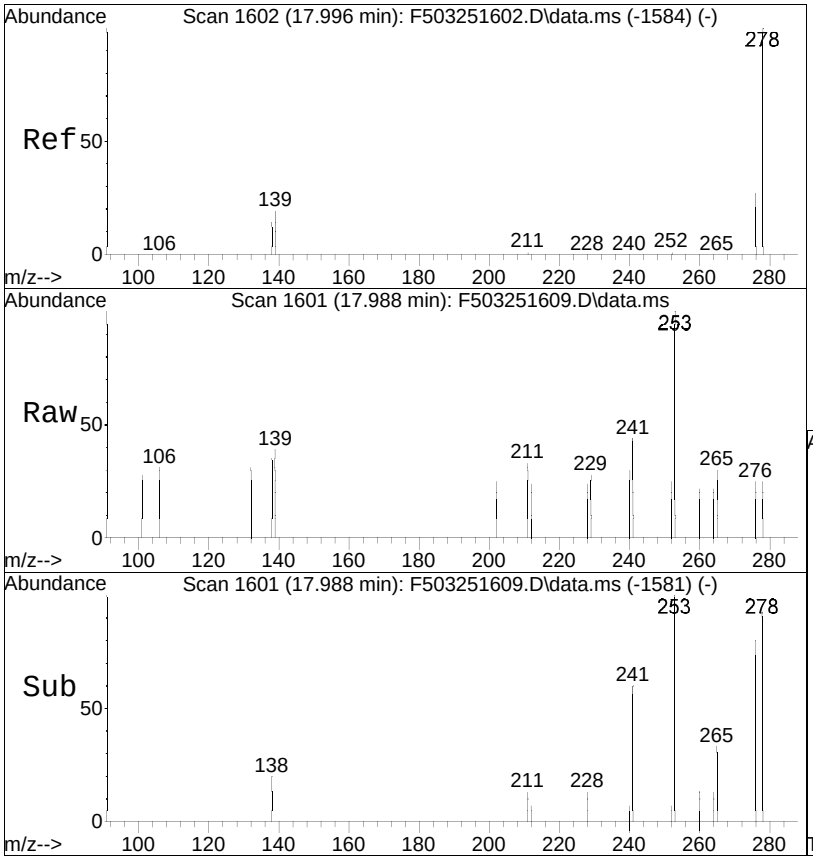


#37
Indeno[1,2,3-cd]pyrene
Concen: 6.91 ng/mL M4
RT: 17.956 min Scan# 1597
Delta R.T. 0.000 min
Lab File: F503251609.D
Acq: 25 Mar 2016 2:48 pm

Tgt Ion:276 Resp: 80

Ion	Ratio	Lower	Upper
276	100		
138	107.3	31.1	46.7#

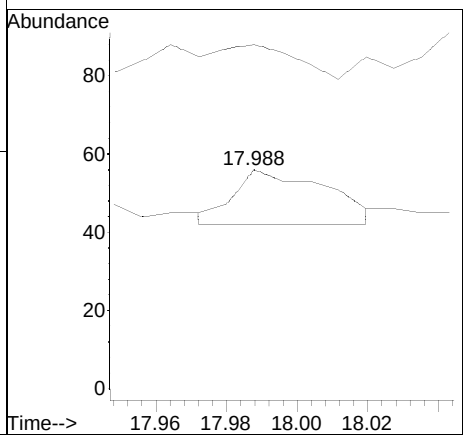




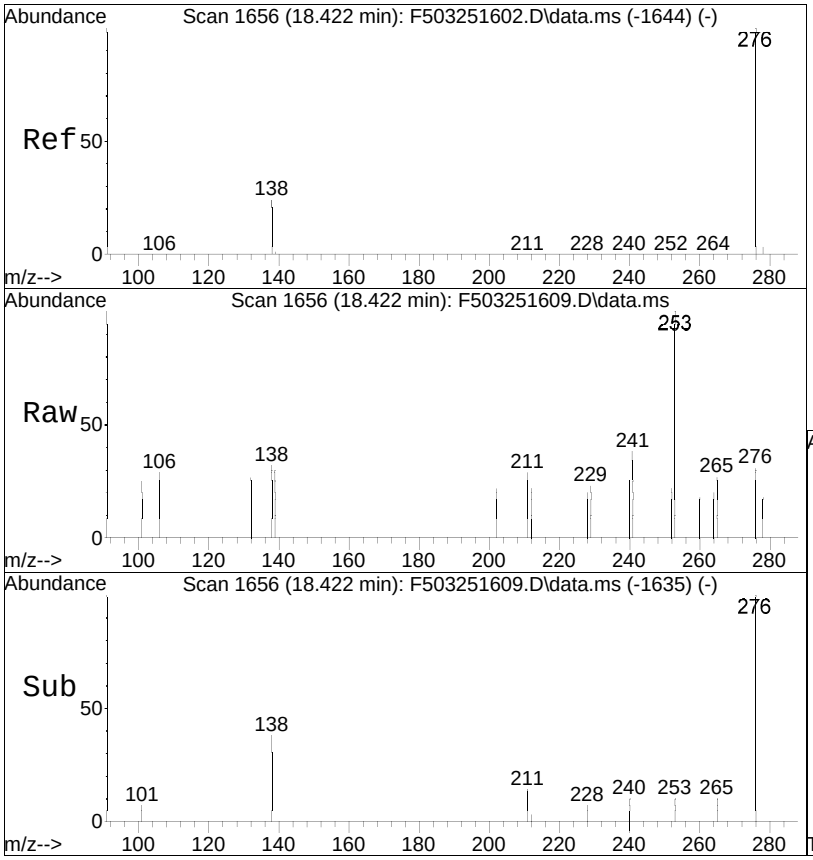
#38
Dibenz[a,h]anthracene
Concen: 5.03 ng/mL M4
RT: 17.988 min Scan# 1601
Delta R.T. -0.008 min
Lab File: F503251609.D
Acq: 25 Mar 2016 2:48 pm

Tgt Ion:278 Resp: 26

Ion	Ratio	Lower	Upper
278	100		
139	157.1	27.5	41.3#



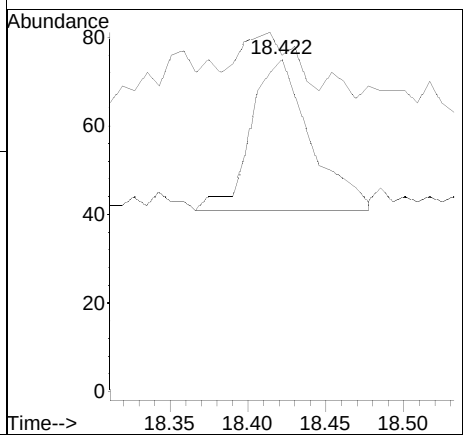
F503251609.D PAH0307PAH5.M Wed Mar 30 14:58:59 2016 Page 15



#39
Benzo[g,h,i]perylene
Concen: 0.51 ng/mL
RT: 18.422 min Scan# 1656
Delta R.T. 0.000 min
Lab File: F503251609.D
Acq: 25 Mar 2016 2:48 pm

Tgt Ion:276 Resp: 90

Ion	Ratio	Lower	Upper
276	100		
138	101.3	27.4	41.2#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251610.D
Acq On : 25 Mar 2016 3:19 pm
Operator : PAH5:sf
Sample : L1607846-02
Misc : WG877452,WG876674,ICAL12131
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 30 14:48:35 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.490	136	80106	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.239	164	38367	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.676	188	79343	500.000	ng/mL	0.00
24) Chrysene-d12	13.814	240	83272	500.000	ng/mL	0.00
29) Perylene-d12	16.189	264	81289	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.170	152	31225	342.638	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 6.85%#			
25) Pyrene-d10	12.141	212	57221	375.784	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 7.52%#			
31) Benzo[b]fluoranthene-d12	15.518	264	57259	408.637	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.17%#			
Target Compounds						Qvalue
2) Naphthalene	7.511	128	894	5.245	ng/mL#	90
5) 2-Methylnaphthalene	8.198	142	144	1.269	ng/mL	90
12) Acenaphthylene	9.090	152	69	1.640	ng/mL#	1
13) Acenaphthene	9.267	153	68M4	0.609	ng/mL	
15) Fluorene	9.763	166	100M3	0.815	ng/mL	
19) Phenanthrene	10.692	178	399M4	2.053	ng/mL	
20) Anthracene	10.739	178	28	N.D.		
23) Fluoranthene	11.904	202	287	1.403	ng/mL#	55
26) Pyrene	12.157	202	244M3	1.016	ng/mL	
27) Benz[a]anthracene	13.798	228	55	N.D.		
28) Chrysene	13.853	228	98	N.D.		
32) Benzo[b]fluoranthene	15.558	252	134M3	0.658	ng/mL	
33) Benzo[k]fluoranthene	15.589	252	69	N.D.		
35) Benzo[a]pyrene	16.086	252	49	N.D.		
37) Indeno[1,2,3-cd]pyrene	17.956	276	71M3	6.846	ng/mL	
38) Dibenz[a,h]anthracene	17.996	278	21M4	5.001	ng/mL	
39) Benzo[g,h,i]perylene	18.414	276	67	N.D.		

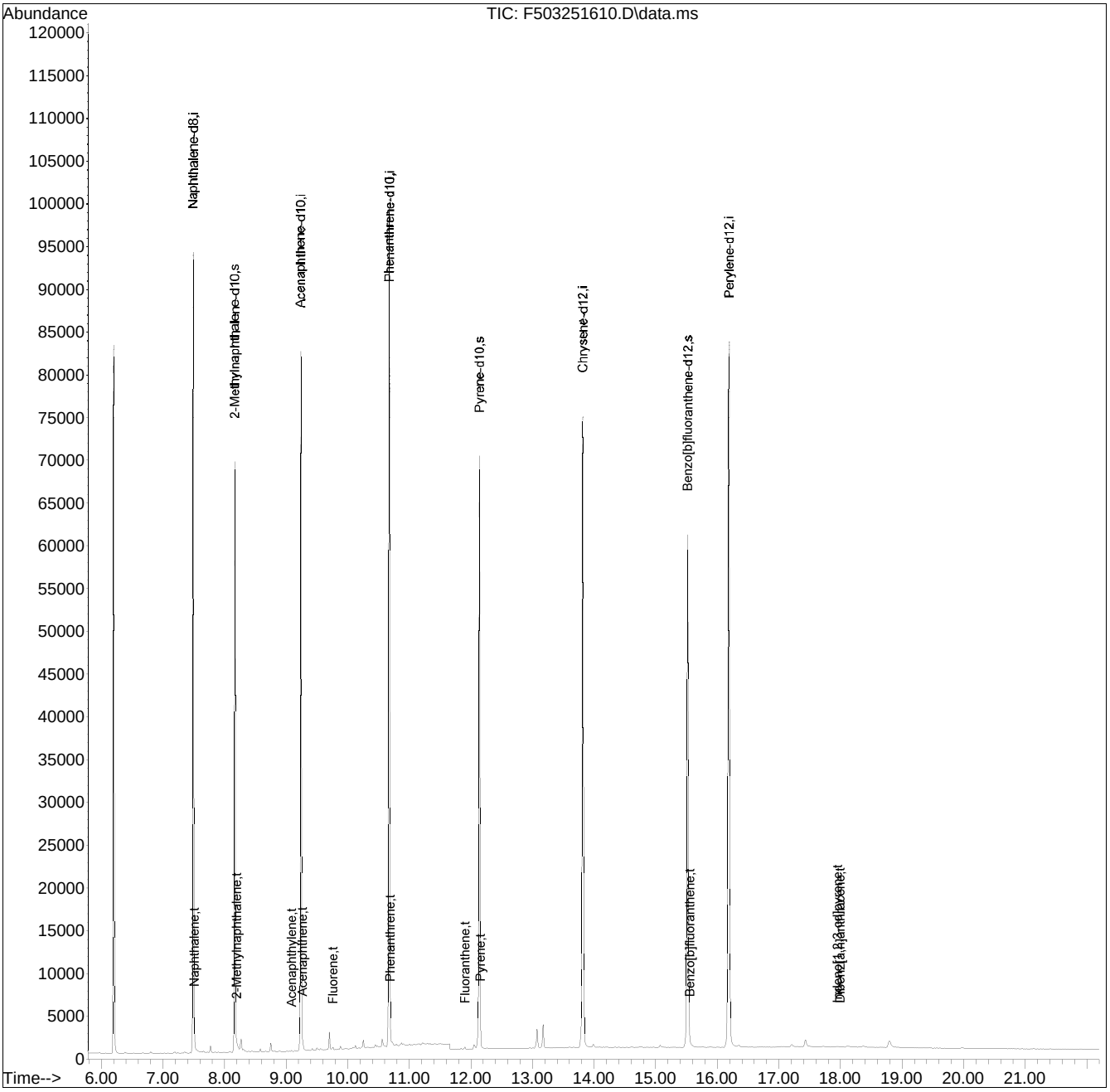
(#) = qualifier out of range (m) = manual integration (+) = signals summed

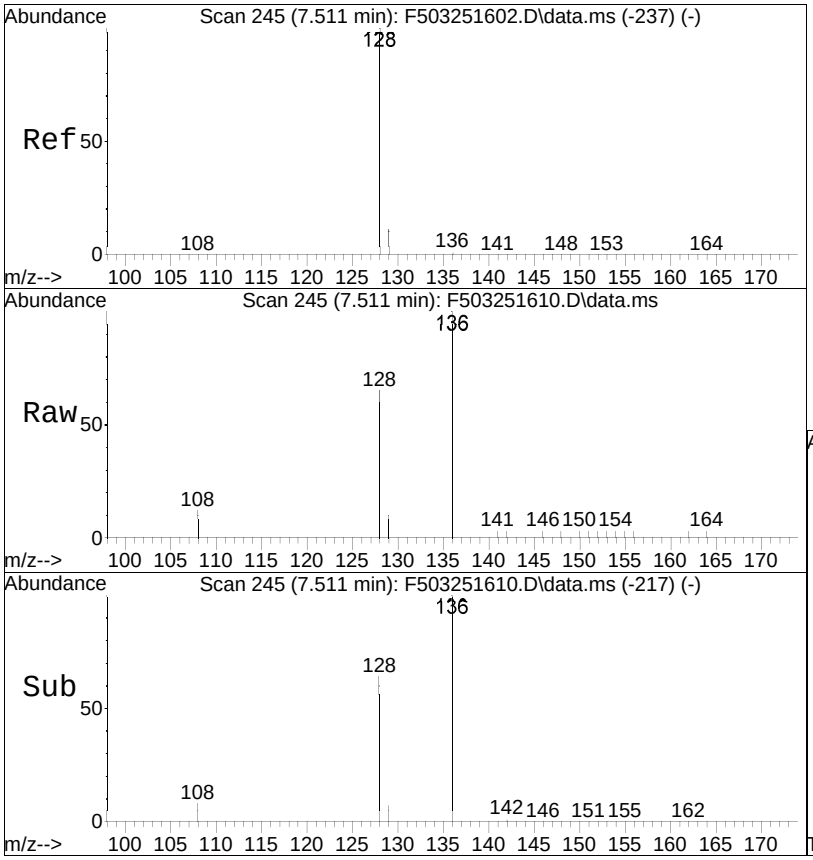
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251610.D
Acq On : 25 Mar 2016 3:19 pm
Operator : PAH5:sf
Sample : L1607846-02
Misc : WG877452,WG876674,ICAL12131
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 30 14:48:35 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

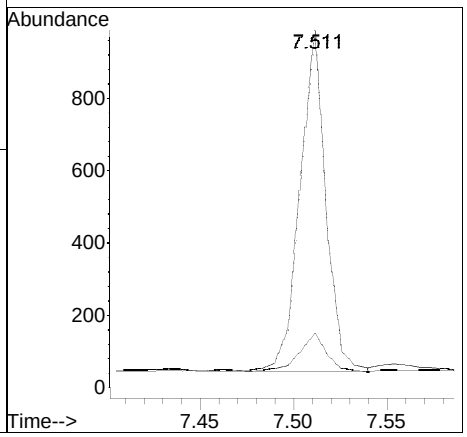


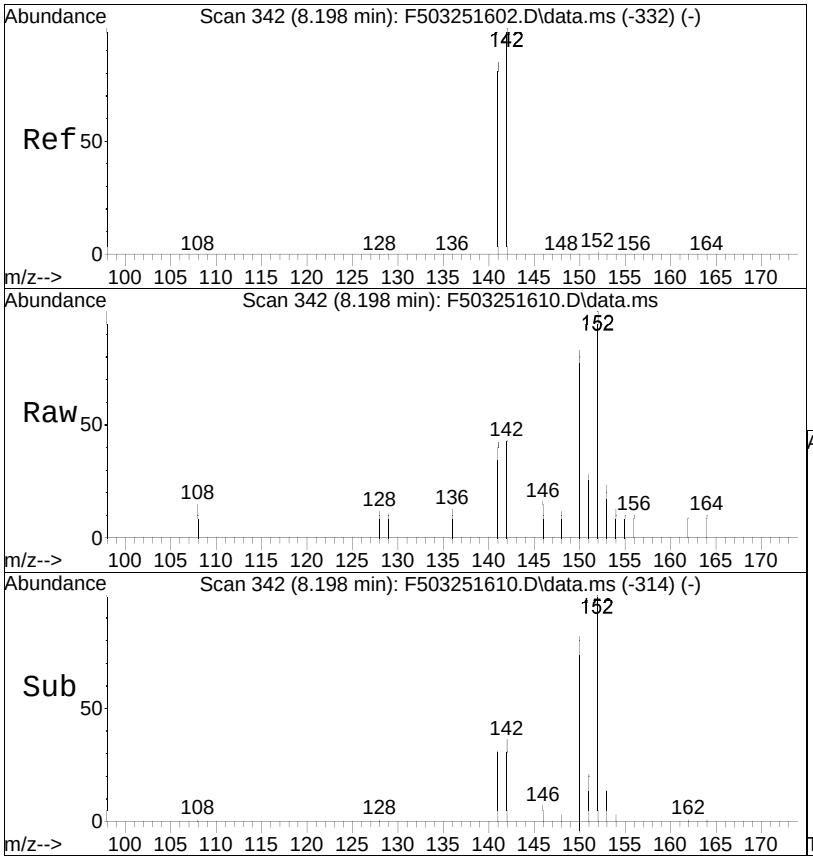


#2
Naphthalene
Concen: 5.25 ng/mL
RT: 7.511 min Scan# 245
Delta R.T. 0.000 min
Lab File: F503251610.D
Acq: 25 Mar 2016 3:19 pm

Tgt Ion:128 Resp: 894

Ion	Ratio	Lower	Upper
128	100		
129	15.4	9.2	13.8#

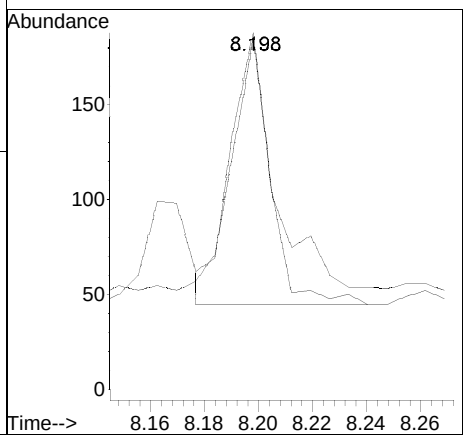


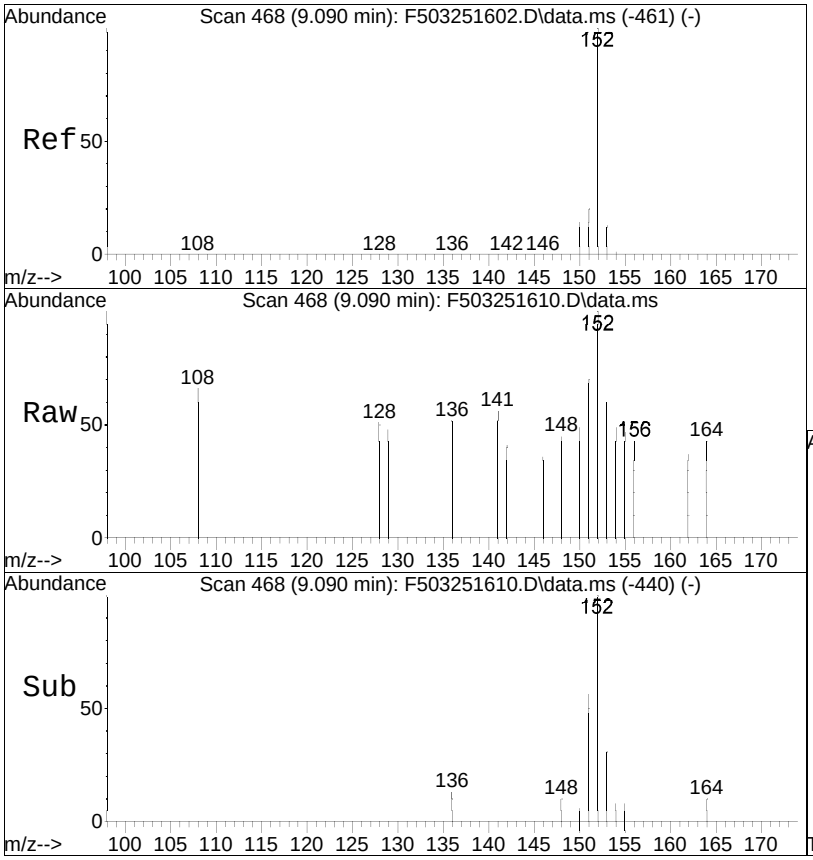


#5
2-Methylnaphthalene
Concen: 1.27 ng/mL
RT: 8.198 min Scan# 342
Delta R.T. 0.000 min
Lab File: F503251610.D
Acq: 25 Mar 2016 3:19 pm

Tgt Ion:142 Resp: 144

Ion	Ratio	Lower	Upper
142	100		
141	98.4	70.9	106.3

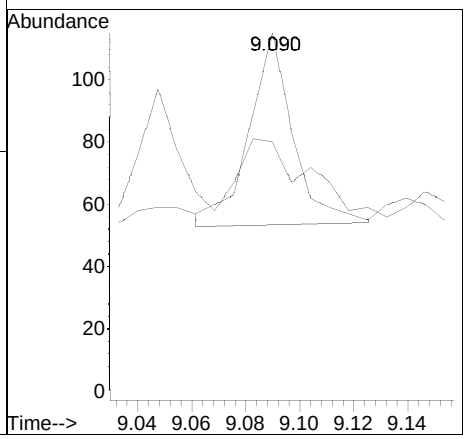


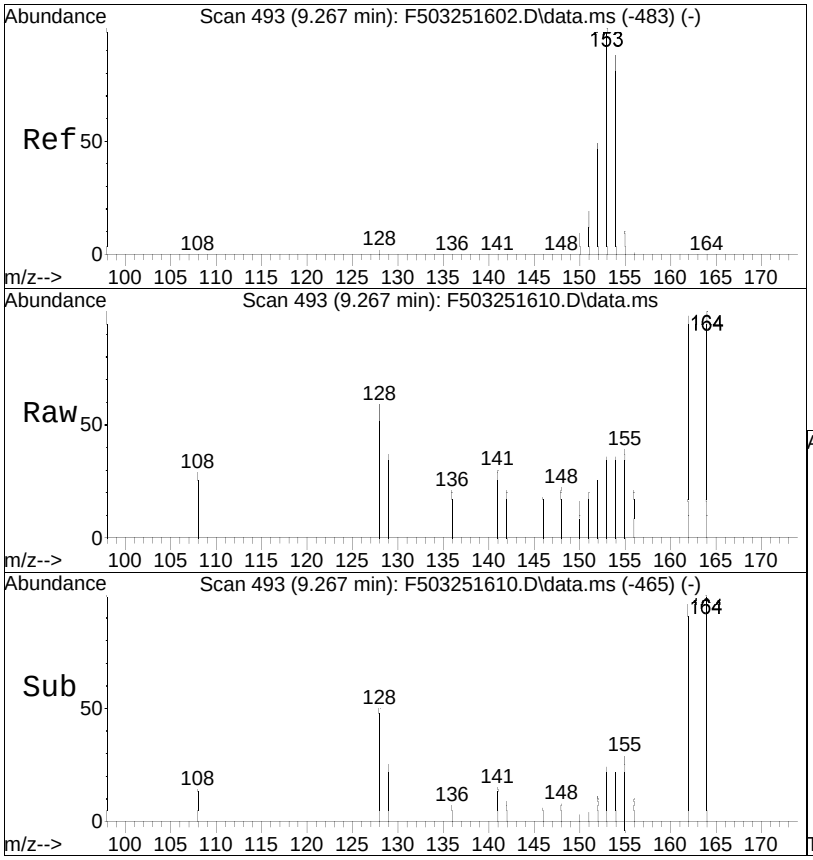


#12
Acenaphthylene
Concen: 1.64 ng/mL
RT: 9.090 min Scan# 468
Delta R.T. 0.000 min
Lab File: F503251610.D
Acq: 25 Mar 2016 3:19 pm

Tgt Ion:152 Resp: 69

Ion	Ratio	Lower	Upper
152	100		
151	69.6	16.1	24.1#

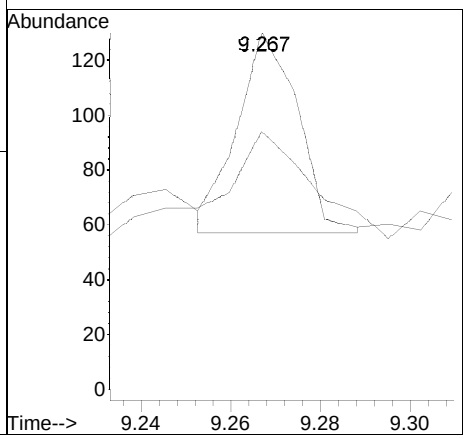


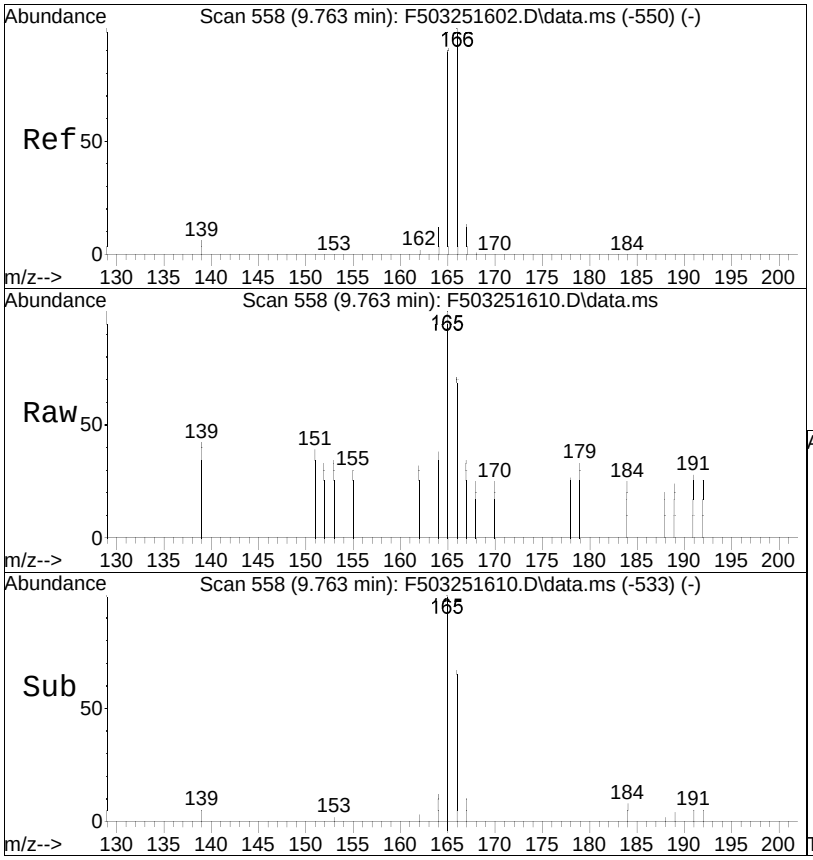


#13
Acenaphthene
Concen: 0.61 ng/mL M4
RT: 9.267 min Scan# 493
Delta R.T. 0.000 min
Lab File: F503251610.D
Acq: 25 Mar 2016 3:19 pm

Tgt Ion:153 Resp: 68

Ion	Ratio	Lower	Upper
153	100		
152	72.3	37.8	56.8#

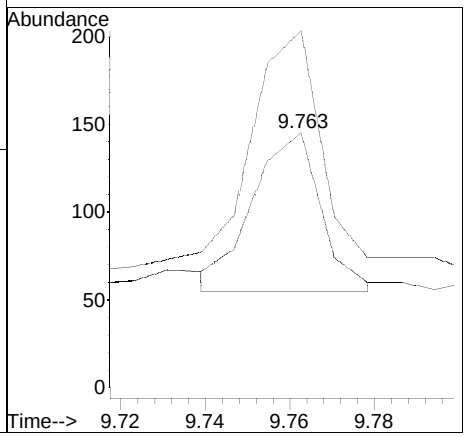


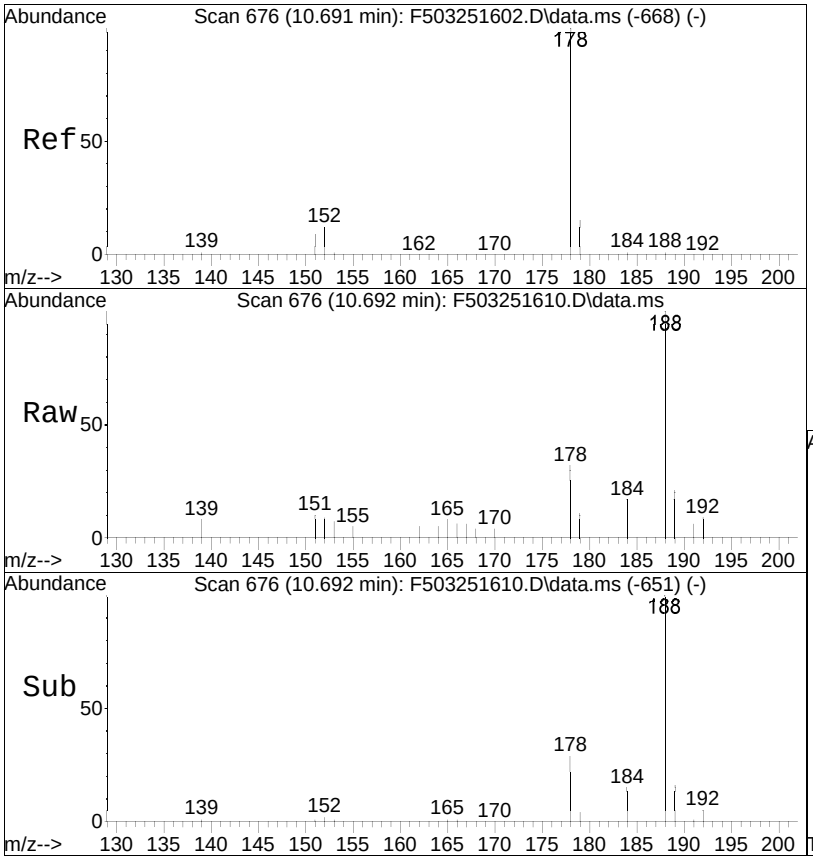


#15
Fluorene
Concen: 0.82 ng/mL M3
RT: 9.763 min Scan# 558
Delta R.T. 0.000 min
Lab File: F503251610.D
Acq: 25 Mar 2016 3:19 pm

Tgt Ion:166 Resp: 100

Ion	Ratio	Lower	Upper
166	100		
165	140.0	77.3	115.9#

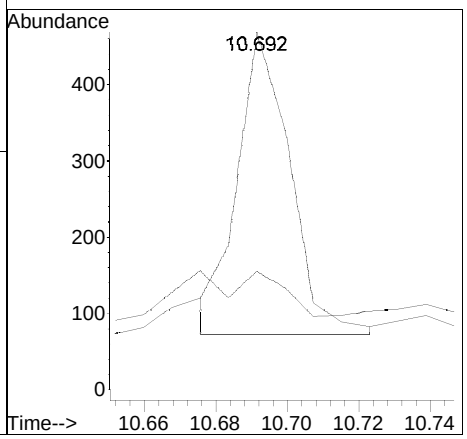


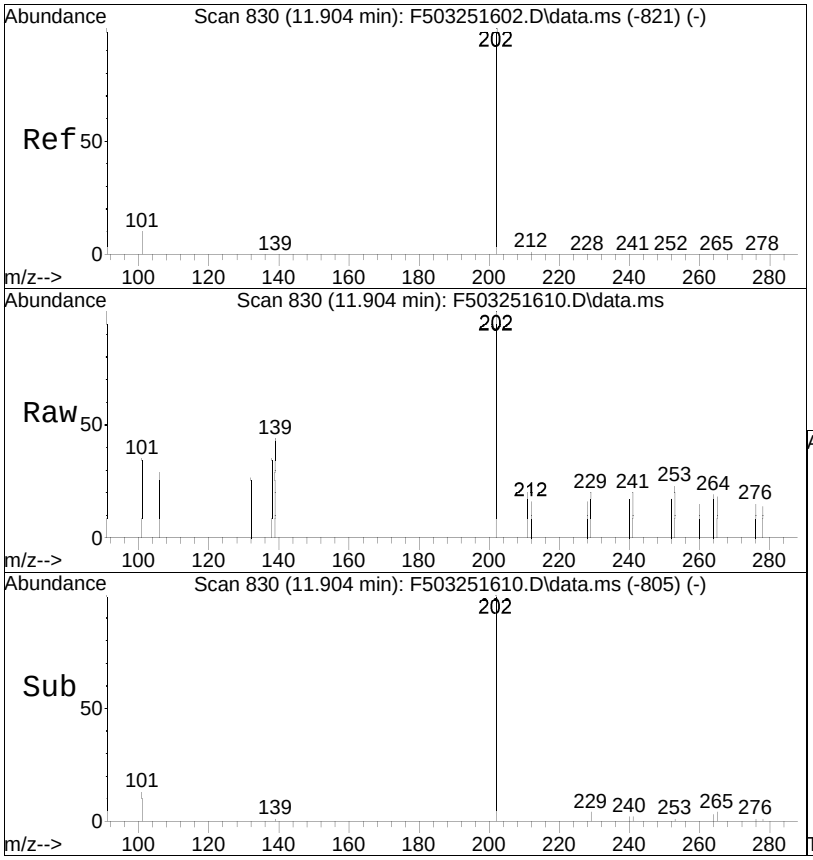


#19
Phenanthrene
Concen: 2.05 ng/mL M4
RT: 10.692 min Scan# 676
Delta R.T. 0.000 min
Lab File: F503251610.D
Acq: 25 Mar 2016 3:19 pm

Tgt Ion:178 Resp: 399

Ion	Ratio	Lower	Upper
178	100		
179	33.1	12.4	18.6#

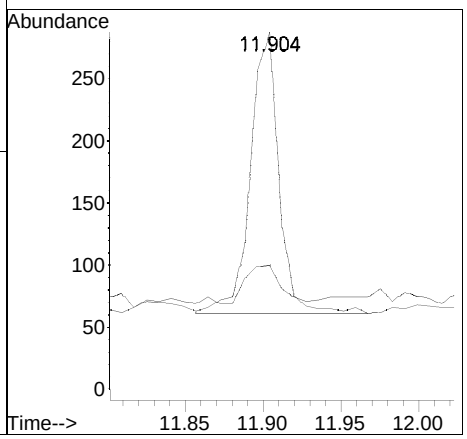


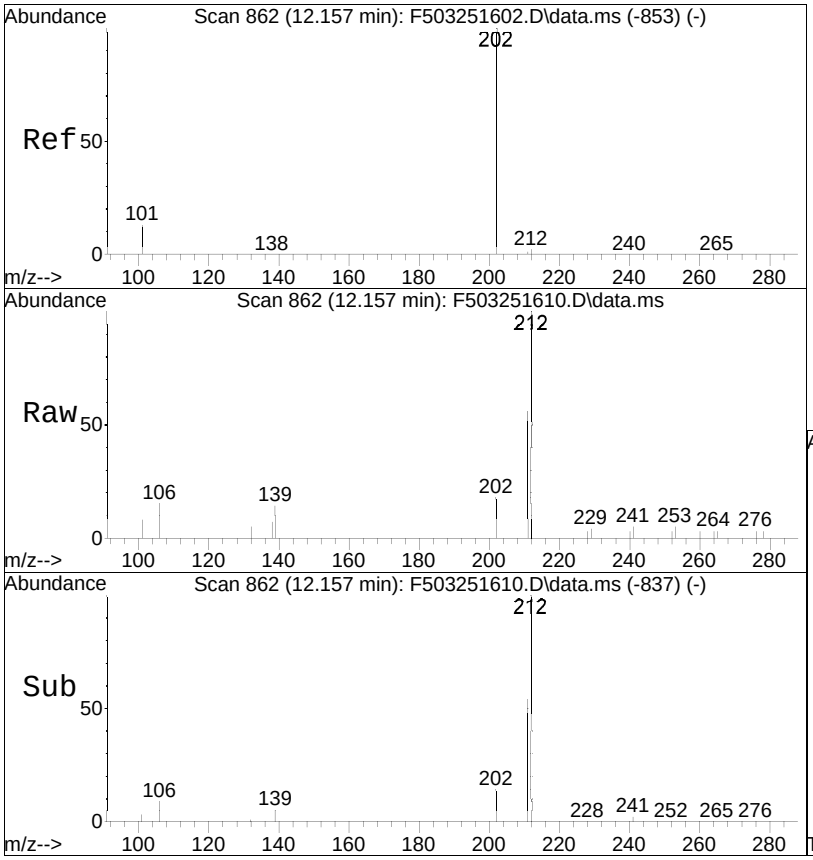


#23
Fluoranthene
Concen: 1.40 ng/mL
RT: 11.904 min Scan# 830
Delta R.T. 0.000 min
Lab File: F503251610.D
Acq: 25 Mar 2016 3:19 pm

Tgt Ion:202 Resp: 287

Ion	Ratio	Lower	Upper
202	100		
101	34.8	12.6	19.0#

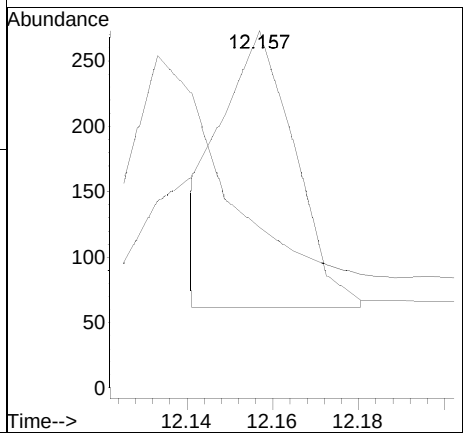


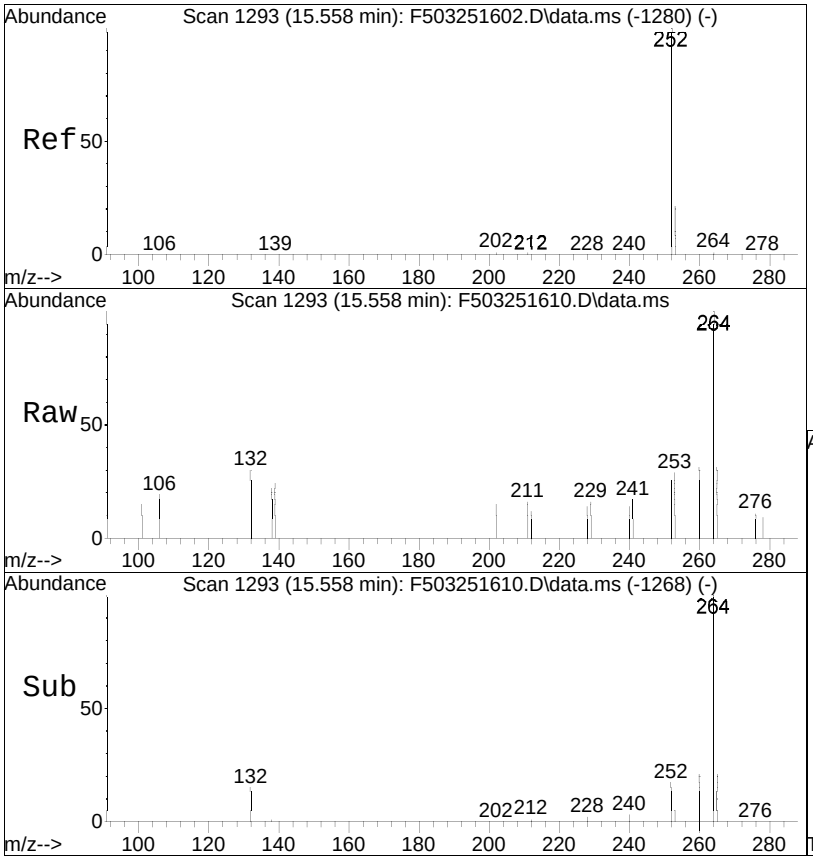


#26
Pyrene
Concen: 1.02 ng/mL M3
RT: 12.157 min Scan# 862
Delta R.T. 0.000 min
Lab File: F503251610.D
Acq: 25 Mar 2016 3:19 pm

Tgt Ion:202 Resp: 244

Ion	Ratio	Lower	Upper
202	100		
101	45.1	14.4	21.6#

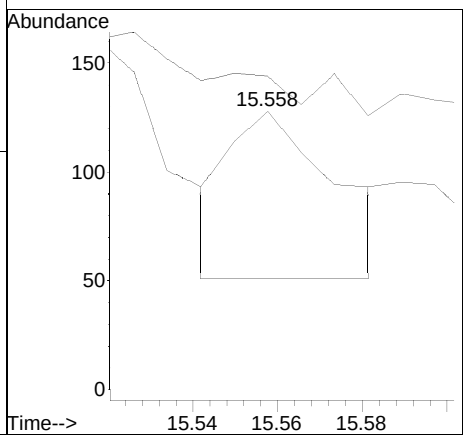


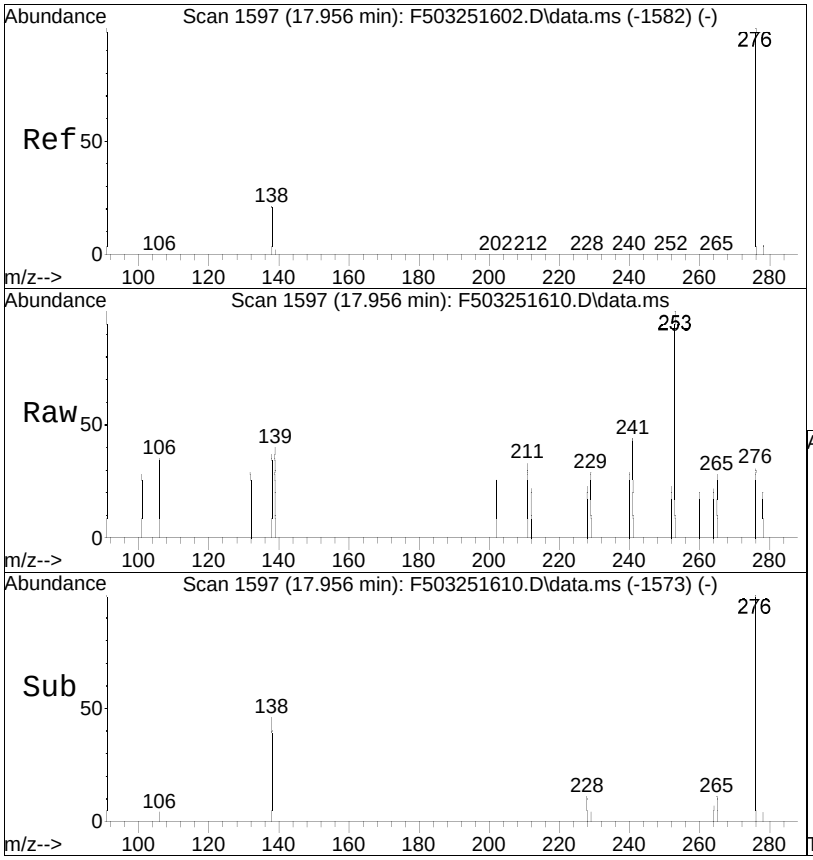


#32
Benzo[b]fluoranthene
Concen: 0.66 ng/mL M3
RT: 15.558 min Scan# 1293
Delta R.T. 0.000 min
Lab File: F503251610.D
Acq: 25 Mar 2016 3:19 pm

Tgt Ion:252 Resp: 134

Ion	Ratio	Lower	Upper
252	100		
253	112.5	18.2	27.4#

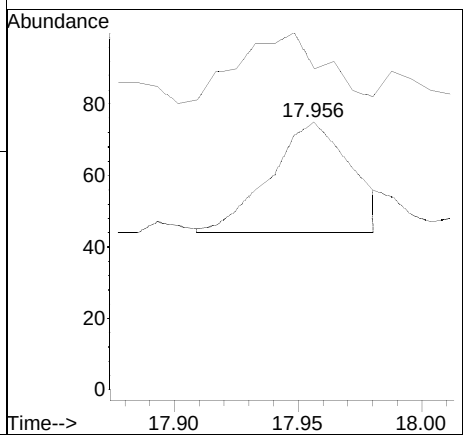


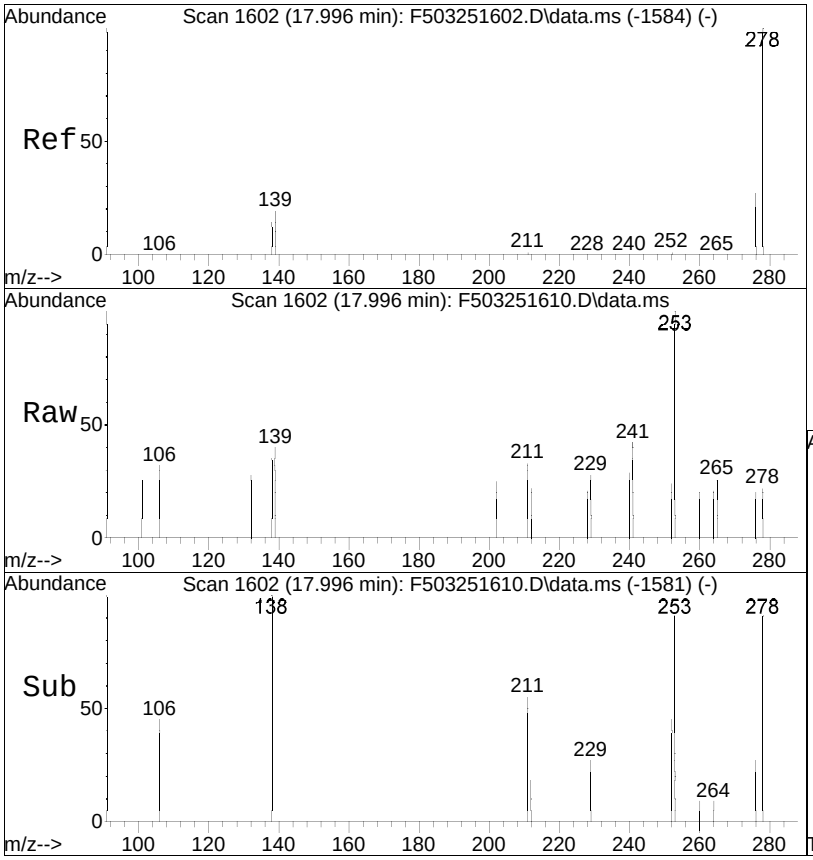


#37
Indeno[1,2,3-cd]pyrene
Concen: 6.85 ng/mL M3
RT: 17.956 min Scan# 1597
Delta R.T. 0.000 min
Lab File: F503251610.D
Acq: 25 Mar 2016 3:19 pm

Tgt Ion:276 Resp: 71

Ion	Ratio	Lower	Upper
276	100		
138	120.0	31.1	46.7#

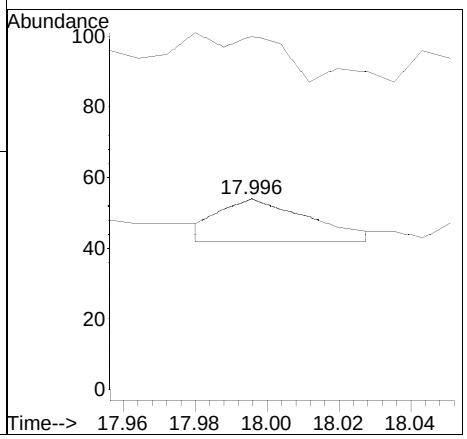




#38
Dibenz[a,h]anthracene
Concen: 5.00 ng/mL M4
RT: 17.996 min Scan# 1602
Delta R.T. 0.000 min
Lab File: F503251610.D
Acq: 25 Mar 2016 3:19 pm

Tgt Ion:278 Resp: 21

Ion	Ratio	Lower	Upper
278	100		
139	185.2	27.5	41.3#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251611.D
Acq On : 25 Mar 2016 3:49 pm
Operator : PAH5:sf
Sample : L1607846-03
Misc : WG877452,WG876674,ICAL12131
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 30 14:48:38 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.490	136	82498	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.238	164	39121	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.676	188	80934	500.000	ng/mL	0.00
24) Chrysene-d12	13.814	240	83686	500.000	ng/mL	0.00
29) Perylene-d12	16.189	264	80962	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.170	152	28266	301.175	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery =	6.02%#		
25) Pyrene-d10	12.133	212	55473	362.502	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery =	7.25%#		
31) Benzo[b]fluoranthene-d12	15.518	264	54996	394.072	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery =	7.88%#		
Target Compounds						Qvalue
2) Naphthalene	7.511	128	1293	7.366	ng/mL	95
5) 2-Methylnaphthalene	8.198	142	220	1.882	ng/mL	100
12) Acenaphthylene	9.090	152	79	1.690	ng/mL#	8
13) Acenaphthene	9.267	153	67	0.589	ng/mL#	49
15) Fluorene	9.763	166	108M3	0.863	ng/mL	
19) Phenanthrene	10.691	178	514M4	2.593	ng/mL	
20) Anthracene	10.739	178	42	N.D.		
23) Fluoranthene	11.904	202	333M4	1.595	ng/mL	
26) Pyrene	12.157	202	284M3	1.177	ng/mL	
27) Benz[a]anthracene	0.000		0	N.D. d		
28) Chrysene	13.853	228	121	0.587	ng/mL#	1
32) Benzo[b]fluoranthene	15.558	252	135M3	0.666	ng/mL	
33) Benzo[k]fluoranthene	15.597	252	102M3	0.559	ng/mL	
35) Benzo[a]pyrene	16.086	252	69	N.D.		
37) Indeno[1,2,3-cd]pyrene	17.956	276	90M4	6.949	ng/mL	
38) Dibenz[a,h]anthracene	18.004	278	28M4	5.038	ng/mL	
39) Benzo[g,h,i]perylene	18.422	276	95M4	0.527	ng/mL	

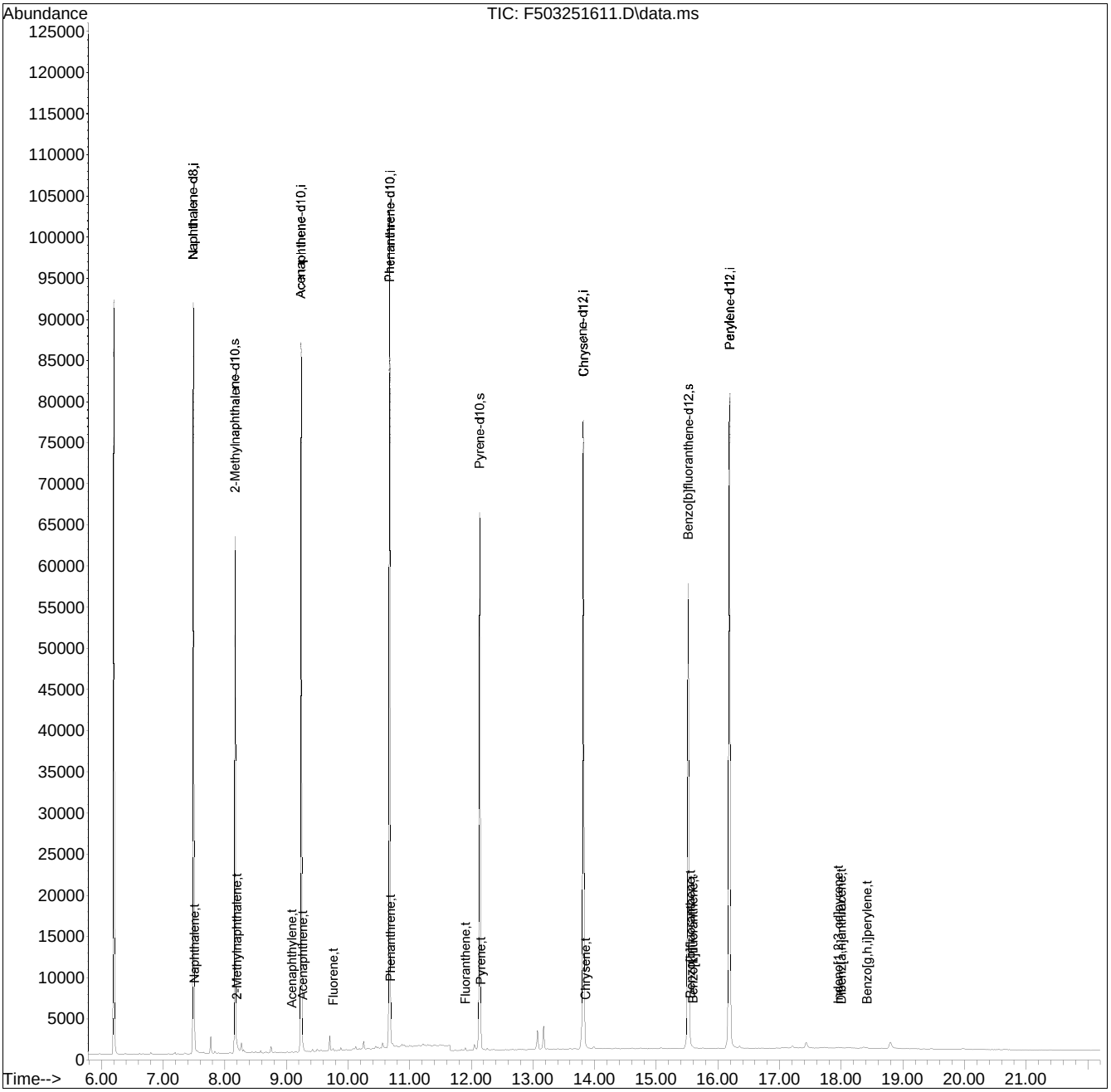
(#) = qualifier out of range (m) = manual integration (+) = signals summed

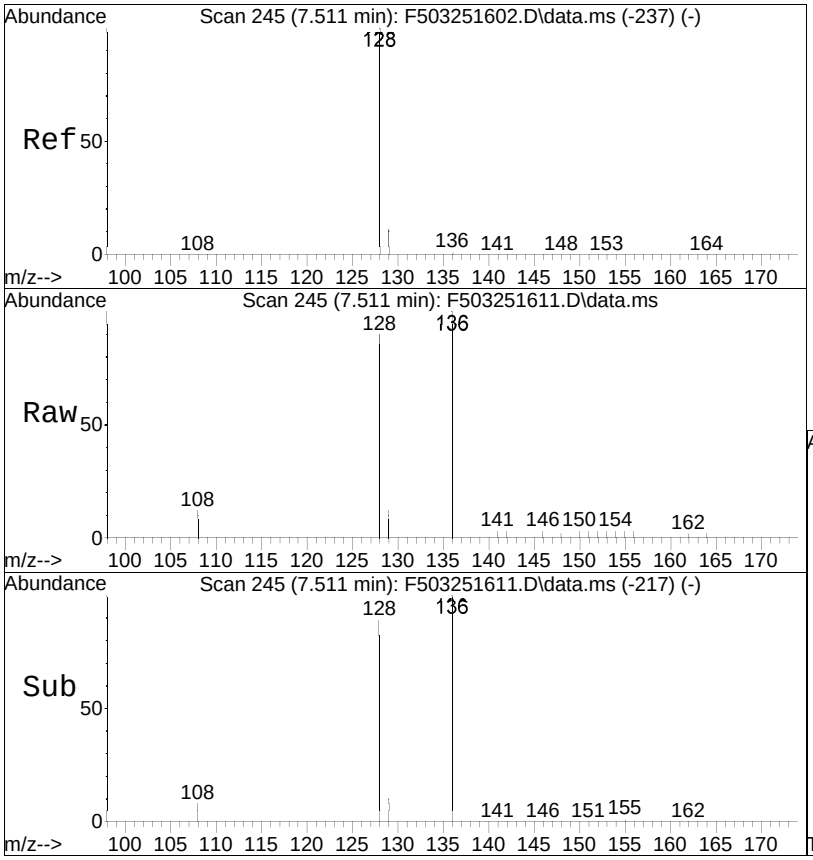
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251611.D
Acq On : 25 Mar 2016 3:49 pm
Operator : PAH5:sf
Sample : L1607846-03
Misc : WG877452,WG876674,ICAL12131
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 30 14:48:38 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

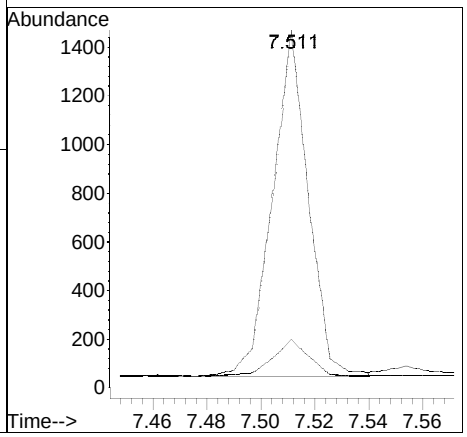


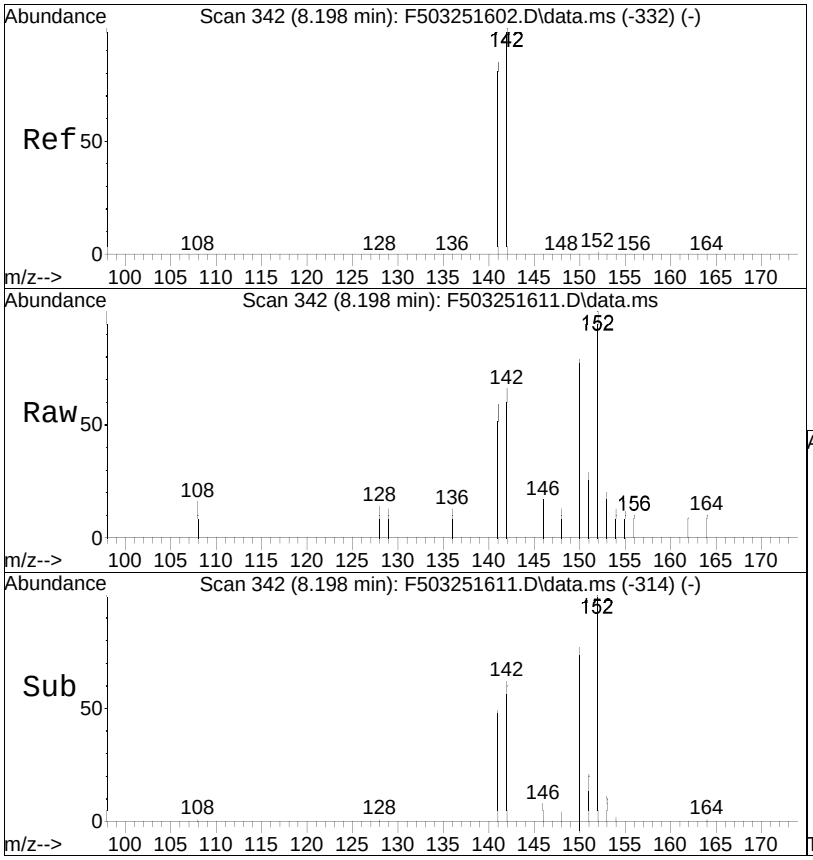


#2
Naphthalene
Concen: 7.37 ng/mL
RT: 7.511 min Scan# 245
Delta R.T. 0.000 min
Lab File: F503251611.D
Acq: 25 Mar 2016 3:49 pm

Tgt Ion:128 Resp: 1293

Ion	Ratio	Lower	Upper
128	100		
129	13.5	9.2	13.8

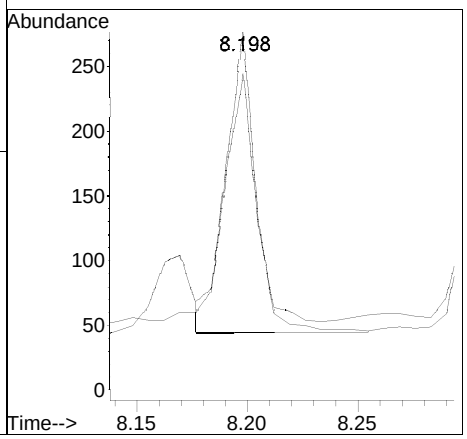


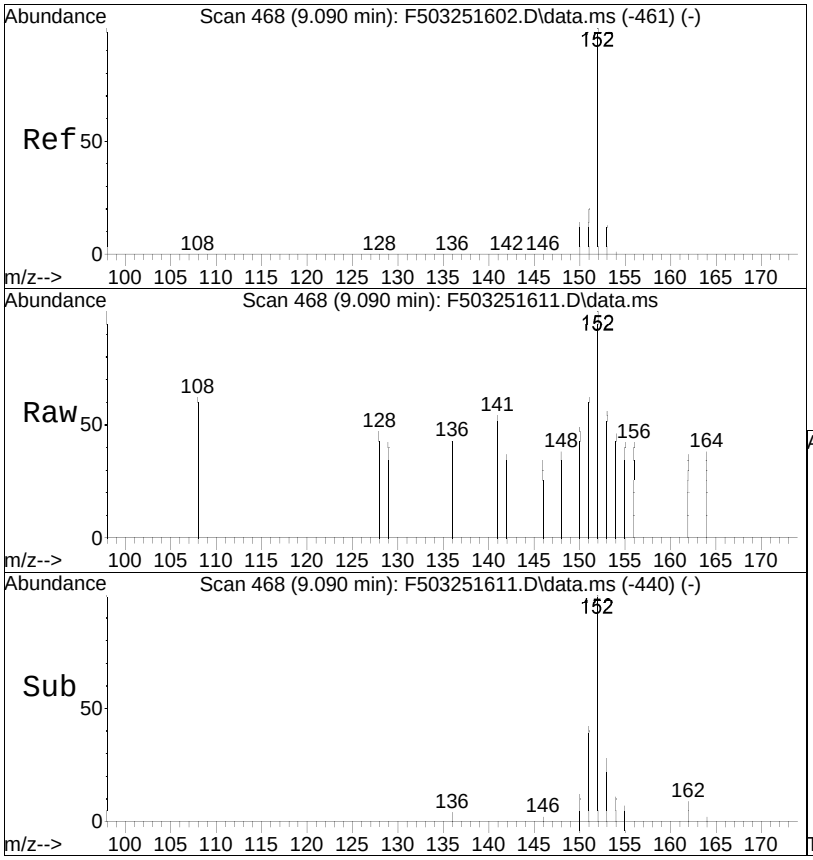


#5
2-Methylnaphthalene
Concen: 1.88 ng/mL
RT: 8.198 min Scan# 342
Delta R.T. 0.000 min
Lab File: F503251611.D
Acq: 25 Mar 2016 3:49 pm

Tgt Ion:142 Resp: 220

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.9	106.3

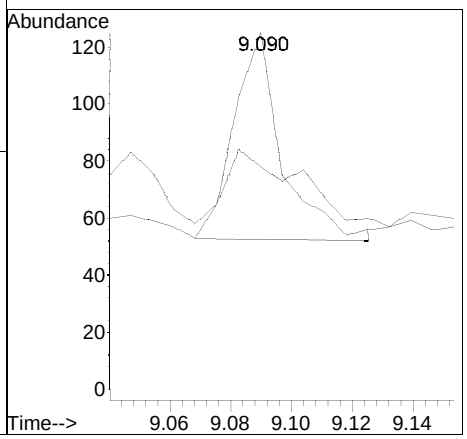


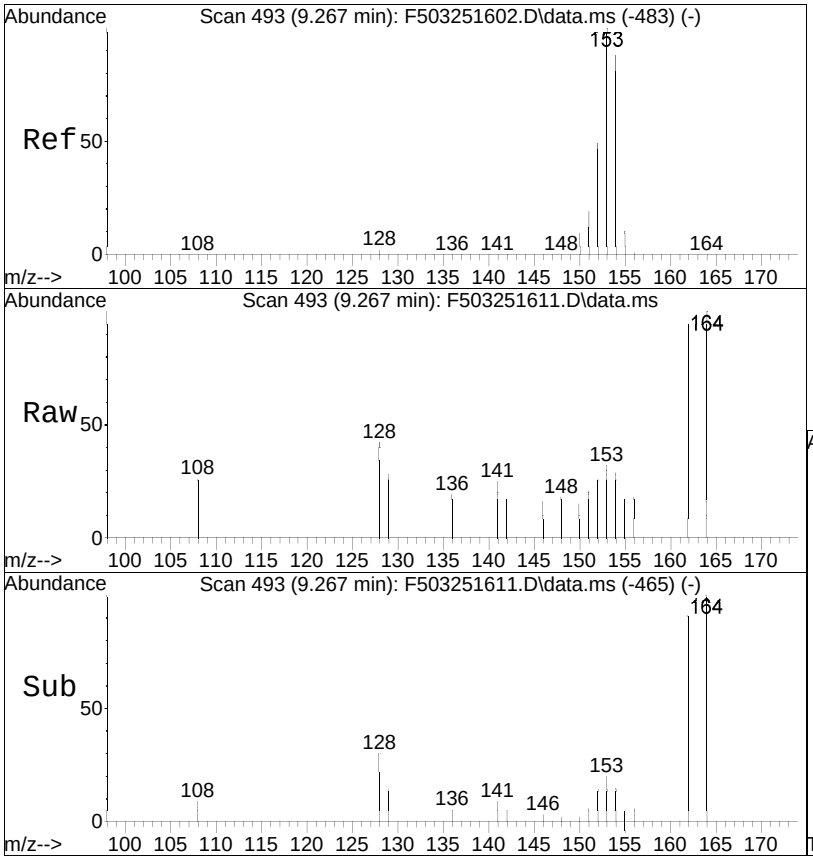


#12
Acenaphthylene
Concen: 1.69 ng/mL
RT: 9.090 min Scan# 468
Delta R.T. 0.000 min
Lab File: F503251611.D
Acq: 25 Mar 2016 3:49 pm

Tgt Ion:152 Resp: 79

Ion	Ratio	Lower	Upper
152	100		
151	62.4	16.1	24.1#

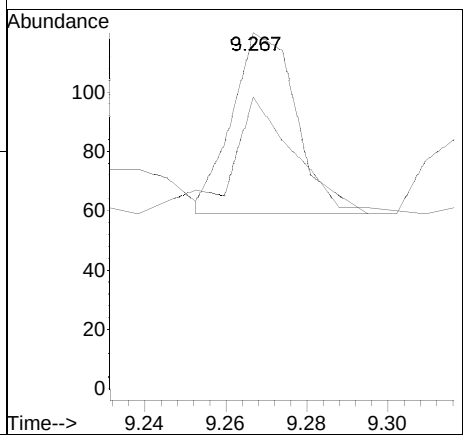


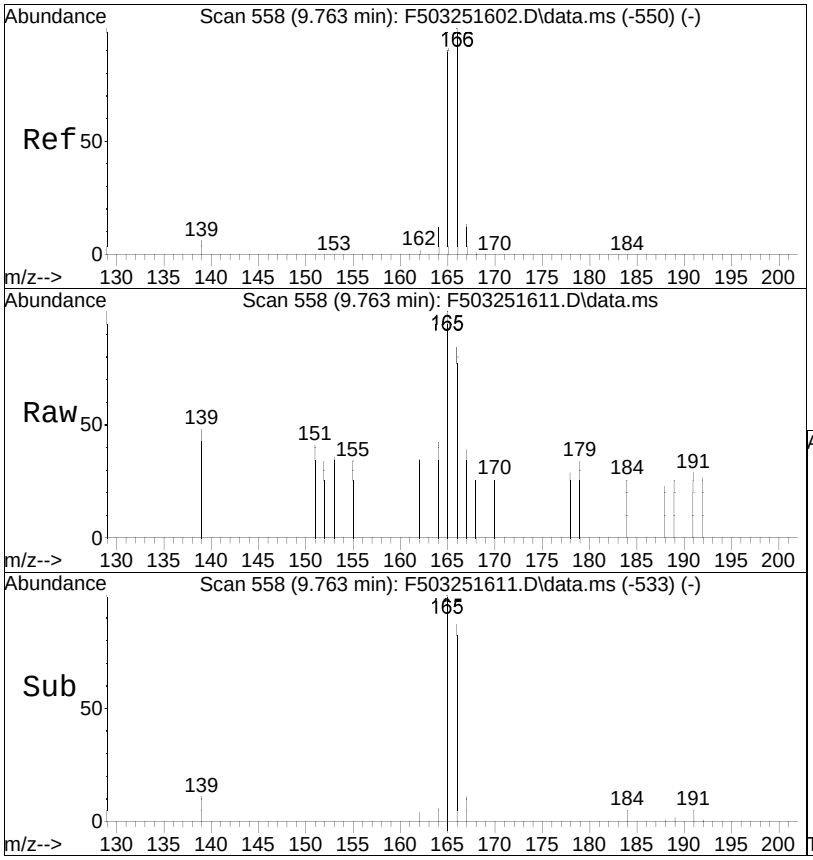


#13
Acenaphthene
Concen: 0.59 ng/mL
RT: 9.267 min Scan# 493
Delta R.T. 0.000 min
Lab File: F503251611.D
Acq: 25 Mar 2016 3:49 pm

Tgt Ion:153 Resp: 67

Ion	Ratio	Lower	Upper
153	100		
152	81.7	37.8	56.8#

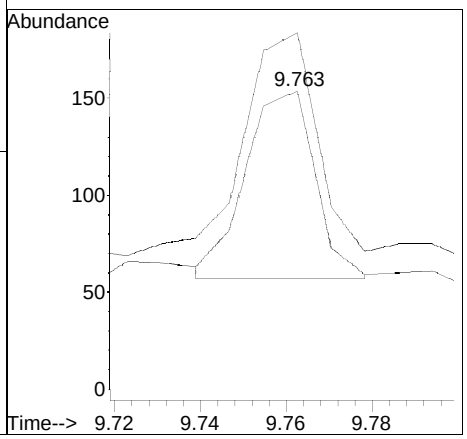




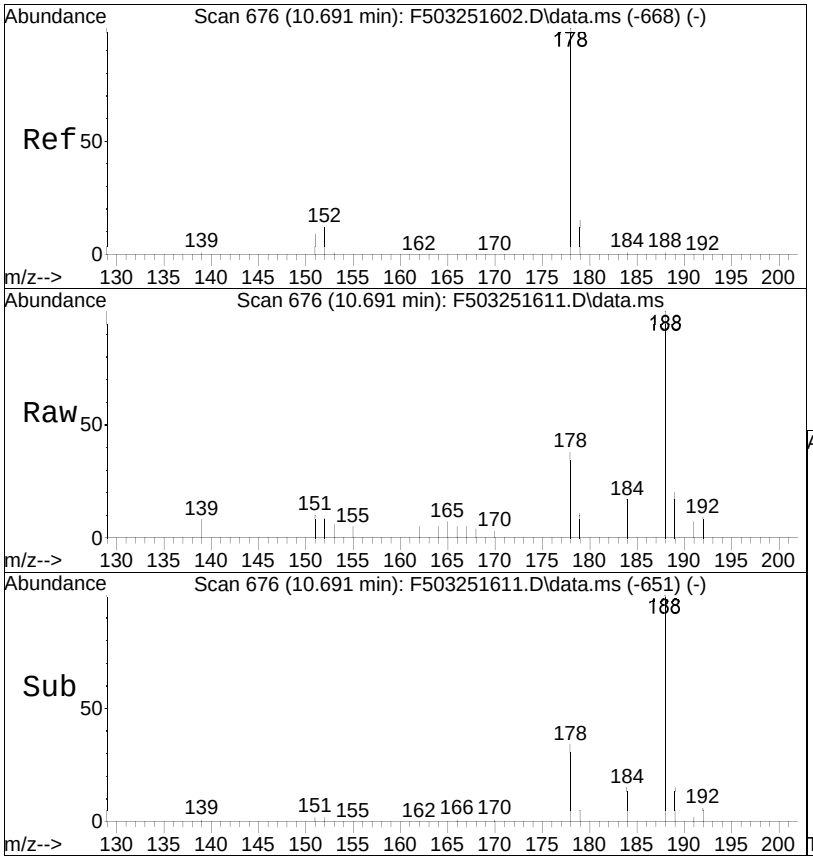
#15
Fluorene
Concen: 0.86 ng/mL M3
RT: 9.763 min Scan# 558
Delta R.T. 0.000 min
Lab File: F503251611.D
Acq: 25 Mar 2016 3:49 pm

Tgt Ion:166 Resp: 108

Ion	Ratio	Lower	Upper
166	100		
165	119.5	77.3	115.9#



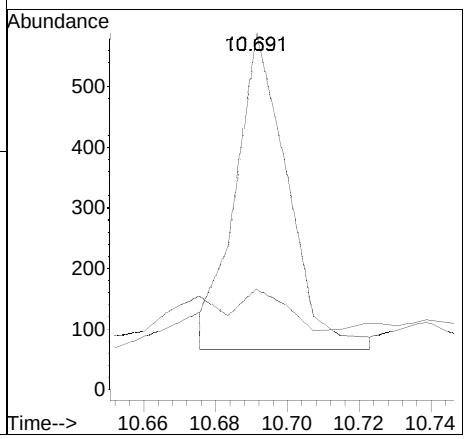
F503251611.D PAH0307PAH5.M Wed Mar 30 14:59:08 2016 Page 7

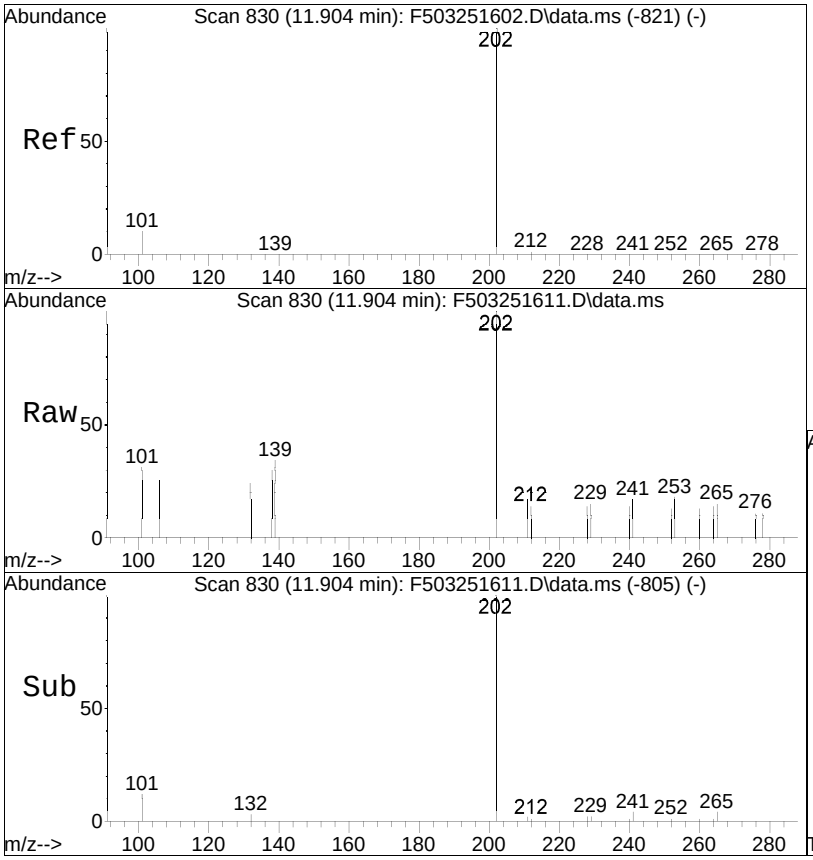


#19
Phenanthrene
Concen: 2.59 ng/mL M4
RT: 10.691 min Scan# 676
Delta R.T. 0.000 min
Lab File: F503251611.D
Acq: 25 Mar 2016 3:49 pm

Tgt Ion:178 Resp: 514

Ion	Ratio	Lower	Upper
178	100		
179	28.2	12.4	18.6#

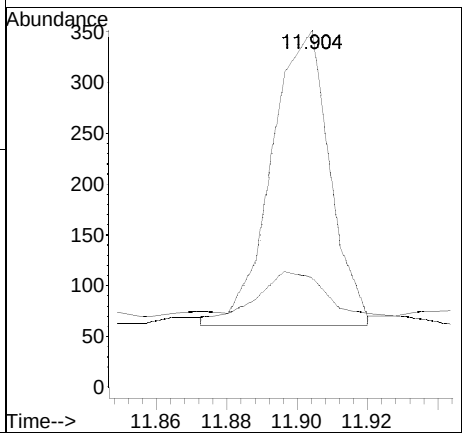


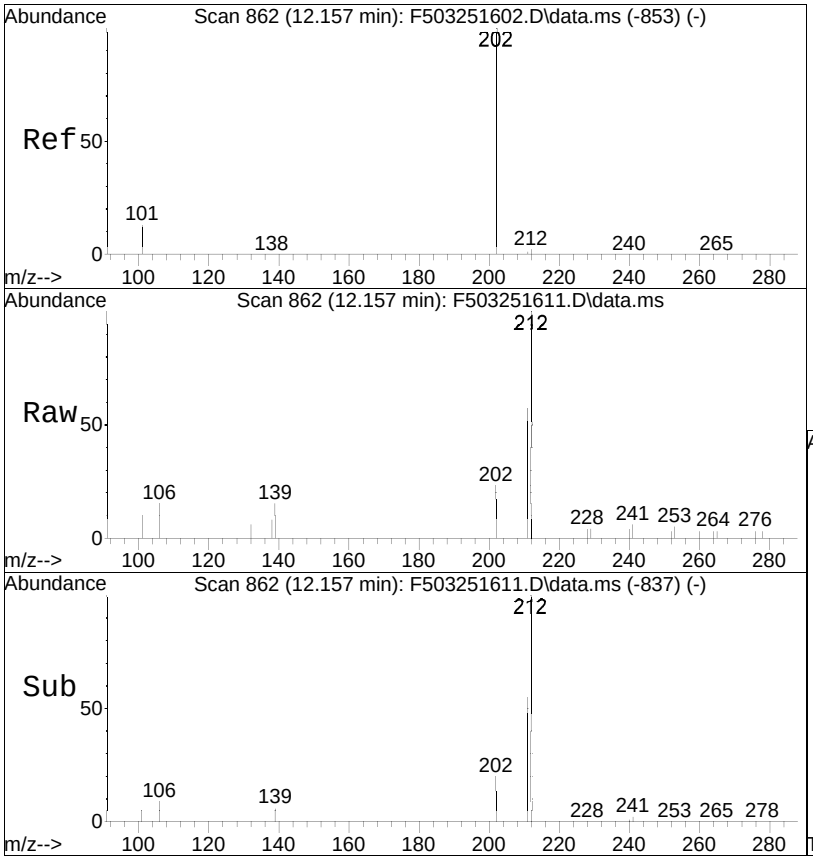


#23
Fluoranthene
Concen: 1.60 ng/mL M4
RT: 11.904 min Scan# 830
Delta R.T. 0.000 min
Lab File: F503251611.D
Acq: 25 Mar 2016 3:49 pm

Tgt Ion:202 Resp: 333

Ion	Ratio	Lower	Upper
202	100		
101	30.8	12.6	19.0#

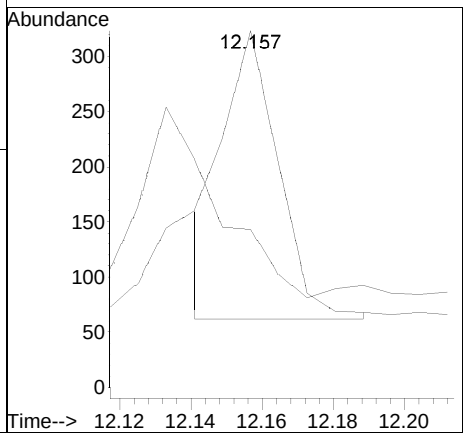


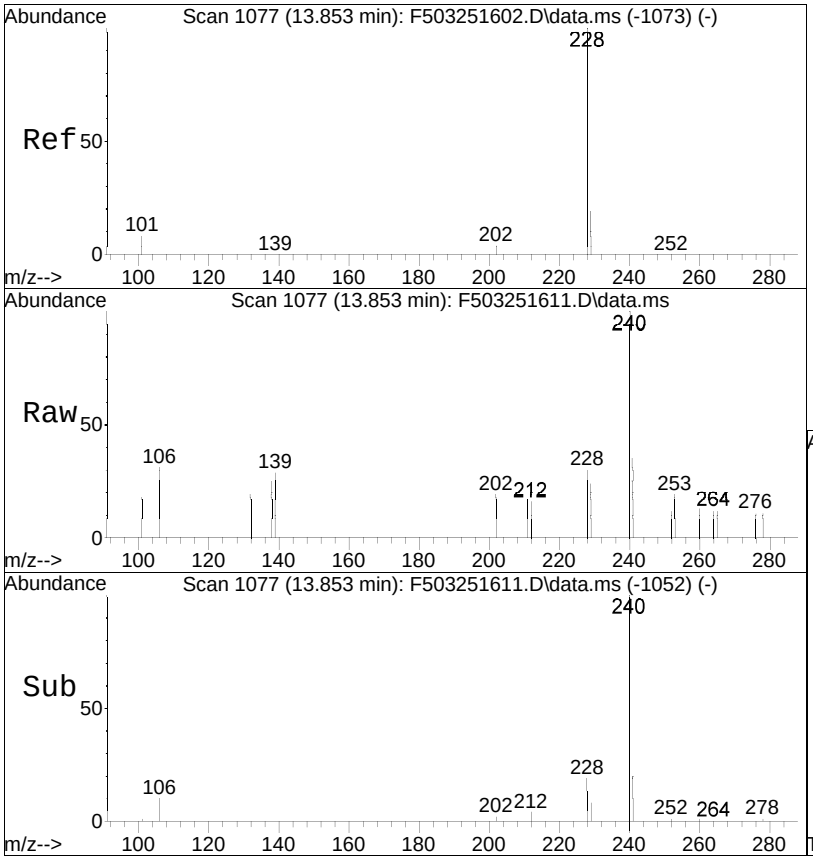


#26
Pyrene
Concen: 1.18 ng/mL M3
RT: 12.157 min Scan# 862
Delta R.T. 0.000 min
Lab File: F503251611.D
Acq: 25 Mar 2016 3:49 pm

Tgt Ion:202 Resp: 284

Ion	Ratio	Lower	Upper
202	100		
101	44.3	14.4	21.6#

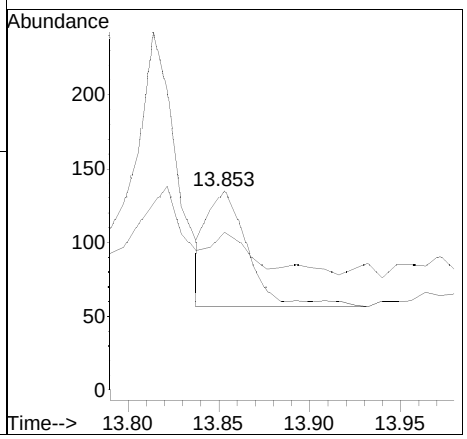


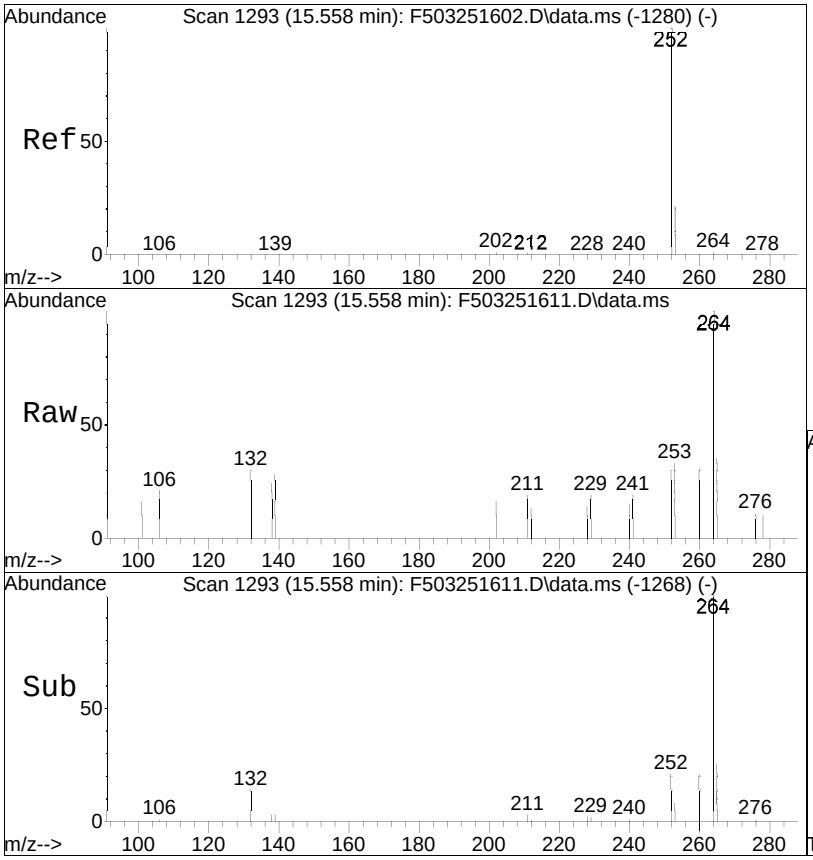


#28
Chrysene
Concen: 0.59 ng/mL
RT: 13.853 min Scan# 1077
Delta R.T. 0.000 min
Lab File: F503251611.D
Acq: 25 Mar 2016 3:49 pm

Tgt Ion:228 Resp: 121

Ion	Ratio	Lower	Upper
228	100		
229	79.3	16.1	24.1#

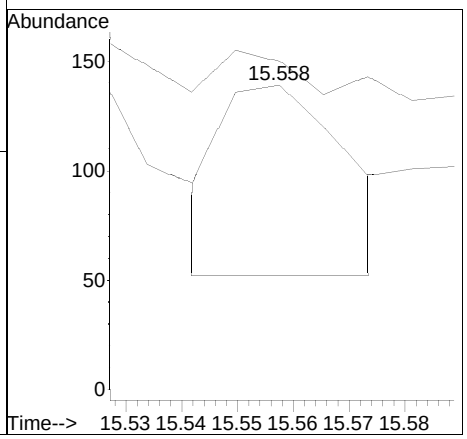


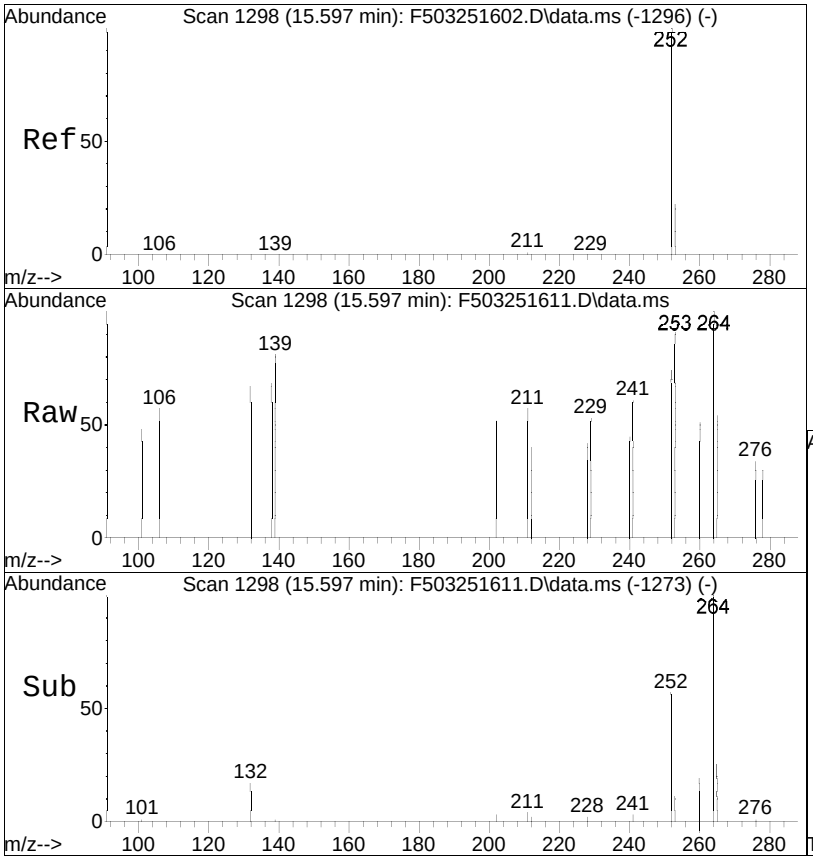


#32
Benzo[b]fluoranthene
Concen: 0.67 ng/mL M3
RT: 15.558 min Scan# 1293
Delta R.T. 0.000 min
Lab File: F503251611.D
Acq: 25 Mar 2016 3:49 pm

Tgt Ion:252 Resp: 135

Ion	Ratio	Lower	Upper
252	100		
253	107.9	18.2	27.4#

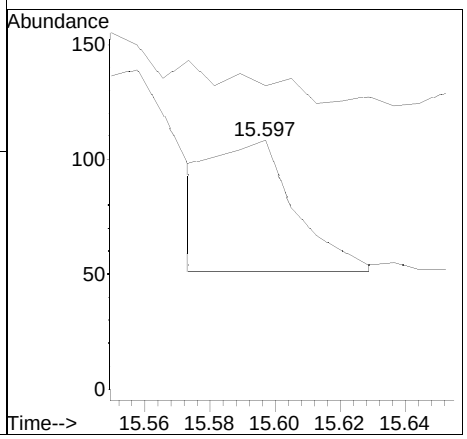




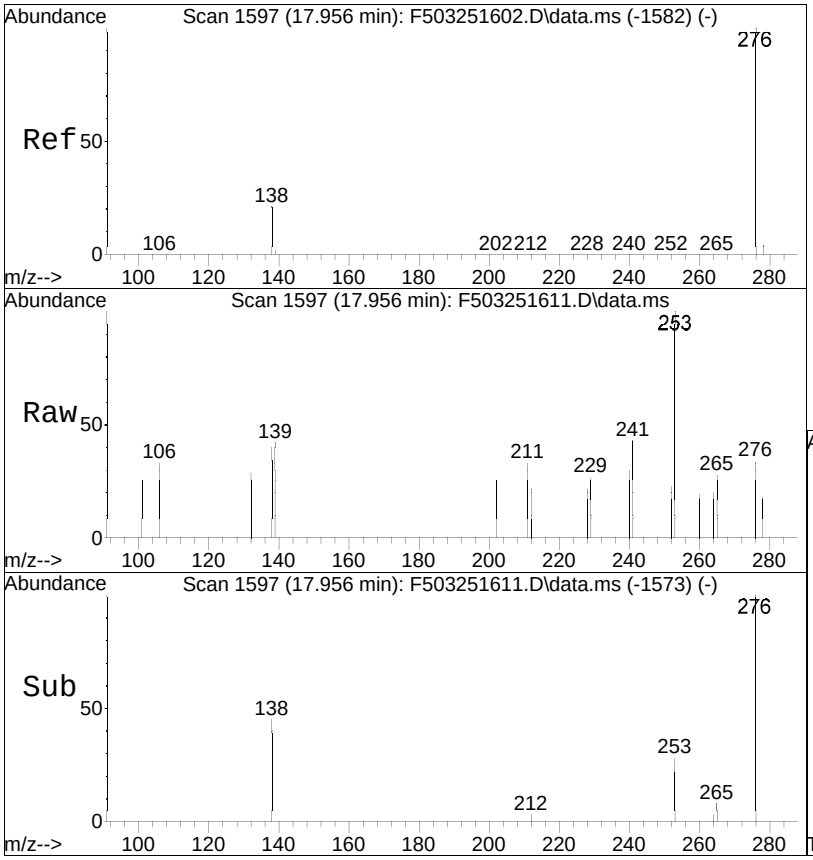
#33
Benzo[k]fluoranthene
Concen: 0.56 ng/mL M3
RT: 15.597 min Scan# 1298
Delta R.T. 0.000 min
Lab File: F503251611.D
Acq: 25 Mar 2016 3:49 pm

Tgt Ion:252 Resp: 102

Ion	Ratio	Lower	Upper
252	100		
253	122.2	18.2	27.2#



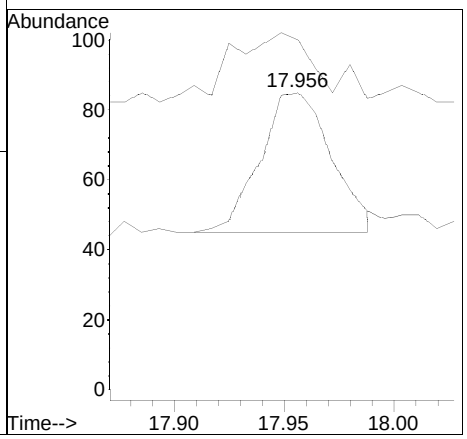
F503251611.D PAH0307PAH5.M Wed Mar 30 14:59:09 2016 Page 13

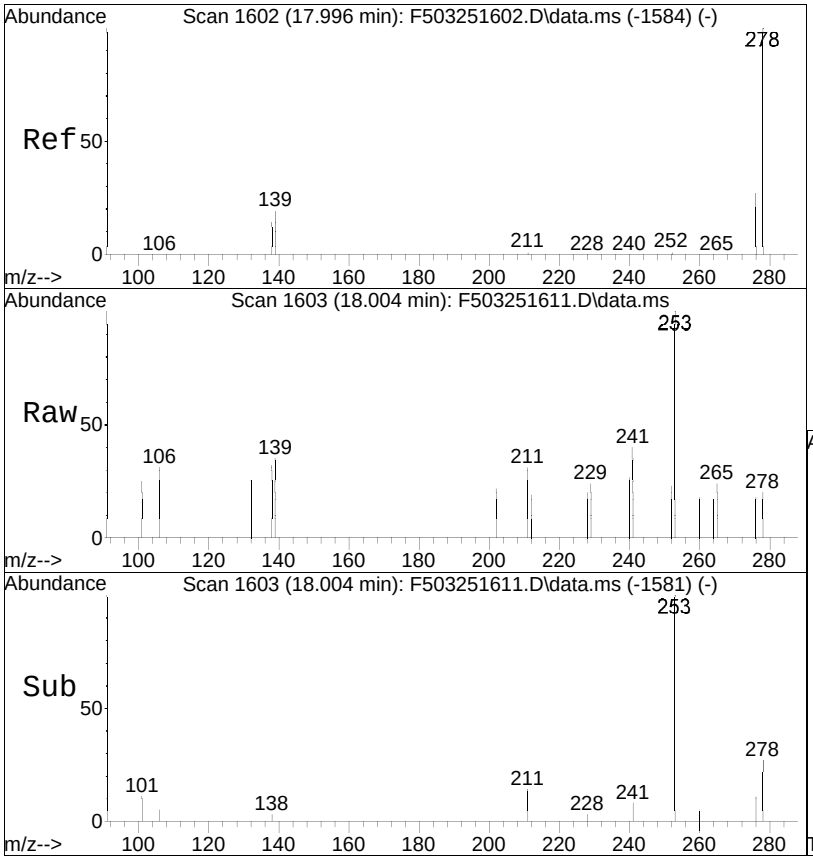


#37
Indeno[1,2,3-cd]pyrene
Concen: 6.95 ng/mL M4
RT: 17.956 min Scan# 1597
Delta R.T. 0.000 min
Lab File: F503251611.D
Acq: 25 Mar 2016 3:49 pm

Tgt Ion:276 Resp: 90

Ion	Ratio	Lower	Upper
276	100		
138	117.6	31.1	46.7#

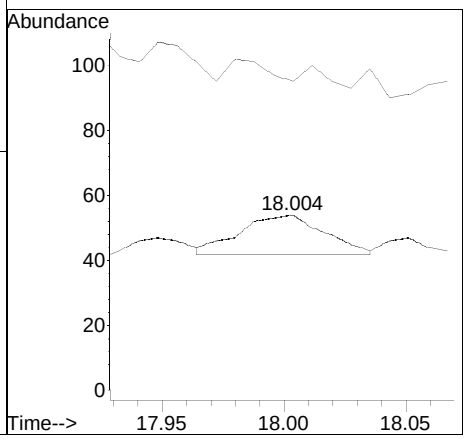




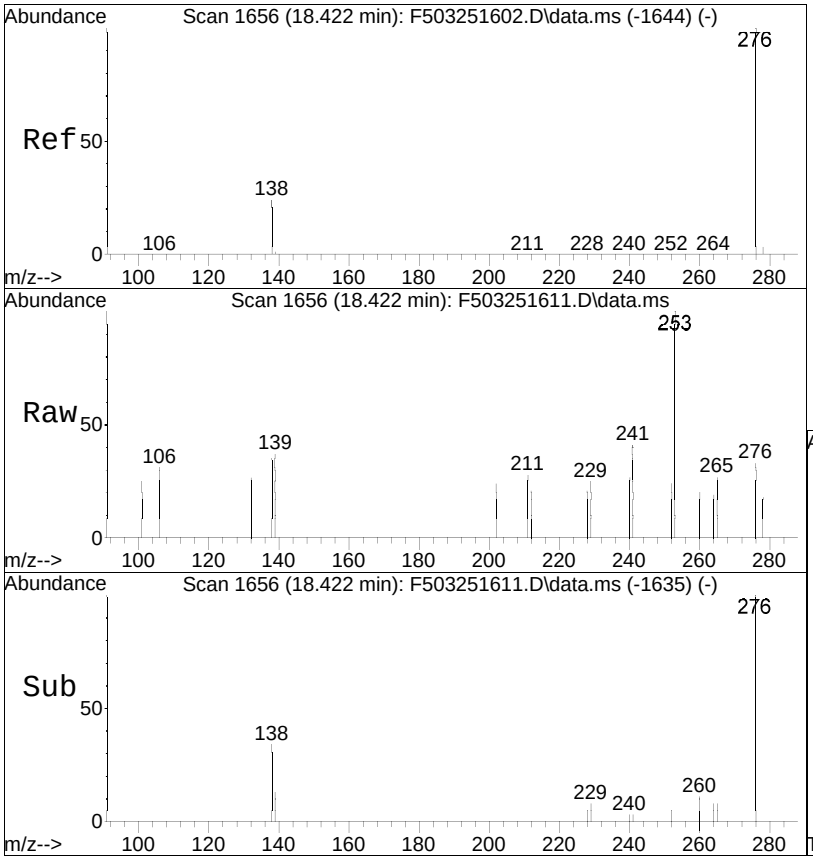
#38
Dibenz[a,h]anthracene
Concen: 5.04 ng/mL M4
RT: 18.004 min Scan# 1603
Delta R.T. 0.008 min
Lab File: F503251611.D
Acq: 25 Mar 2016 3:49 pm

Tgt Ion:278 Resp: 28

Ion	Ratio	Lower	Upper
278	100		
139	175.9	27.5	41.3#



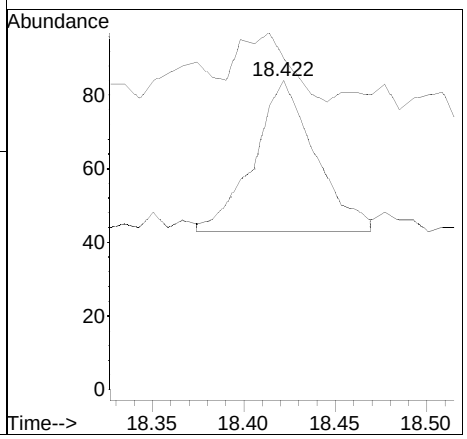
F503251611.D PAH0307PAH5.M Wed Mar 30 14:59:09 2016 Page 15



#39
Benzo[g,h,i]perylene
Concen: 0.53 ng/mL M4
RT: 18.422 min Scan# 1656
Delta R.T. 0.000 min
Lab File: F503251611.D
Acq: 25 Mar 2016 3:49 pm

Tgt Ion:276 Resp: 95

Ion	Ratio	Lower	Upper
276	100		
138	107.1	27.4	41.2#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251612.D
Acq On : 25 Mar 2016 4:19 pm
Operator : PAH5:sf
Sample : L1607846-04
Misc : WG877452,WG876674,ICAL12131
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 30 14:48:42 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.490	136	78758	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.238	164	37930	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.676	188	80528	500.000	ng/mL	0.00
24) Chrysene-d12	13.814	240	85531	500.000	ng/mL	0.00
29) Perylene-d12	16.189	264	83493	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.170	152	30572	341.214	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery =	6.82%#		
25) Pyrene-d10	12.133	212	59715	381.805	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery =	7.64%#		
31) Benzo[b]fluoranthene-d12	15.518	264	59843	415.805	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery =	8.32%#		
Target Compounds						Qvalue
2) Naphthalene	7.511	128	973	5.806	ng/mL#	92
5) 2-Methylnaphthalene	8.198	142	168	1.505	ng/mL	99
12) Acenaphthylene	9.090	152	94M4	1.794	ng/mL	
13) Acenaphthene	9.267	153	107M4	0.970	ng/mL	
15) Fluorene	9.763	166	126M3	1.039	ng/mL	
19) Phenanthrene	10.691	178	447M4	2.266	ng/mL	
20) Anthracene	10.739	178	75	N.D.		
23) Fluoranthene	11.896	202	426	2.051	ng/mL#	64
26) Pyrene	12.157	202	317M3	1.285	ng/mL	
27) Benz[a]anthracene	13.798	228	91	N.D.		
28) Chrysene	13.853	228	127M4	0.603	ng/mL	
32) Benzo[b]fluoranthene	15.550	252	198M4	0.947	ng/mL	
33) Benzo[k]fluoranthene	15.597	252	136M3	0.722	ng/mL	
35) Benzo[a]pyrene	16.078	252	118	0.602	ng/mL#	1
37) Indeno[1,2,3-cd]pyrene	17.956	276	120M4	7.091	ng/mL	
38) Dibenz[a,h]anthracene	17.996	278	64M4	5.216	ng/mL	
39) Benzo[g,h,i]perylene	18.414	276	139	0.748	ng/mL#	1

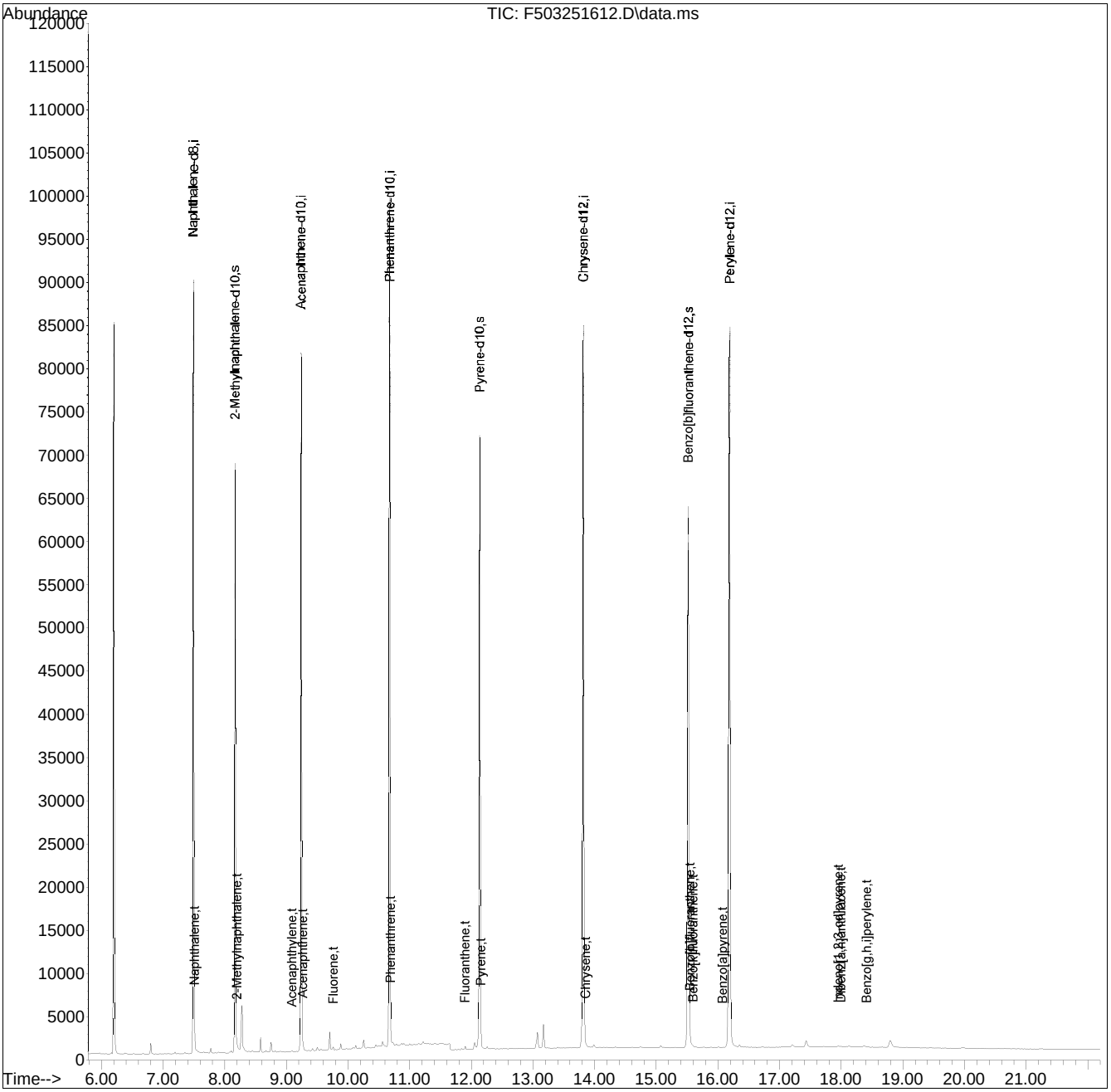
(#) = qualifier out of range (m) = manual integration (+) = signals summed

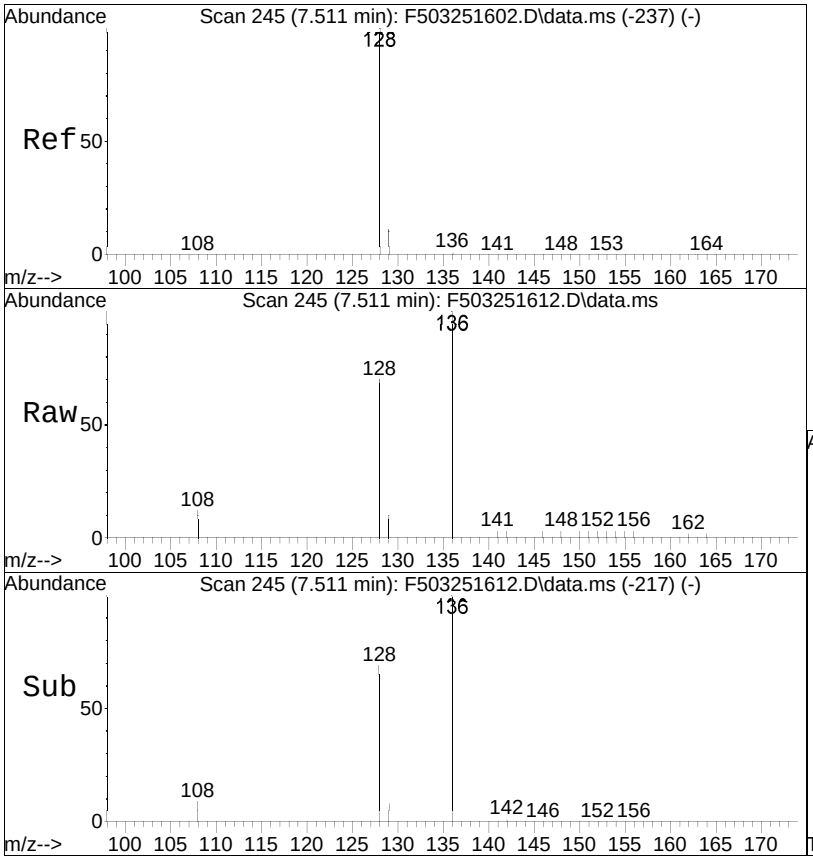
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251612.D
Acq On : 25 Mar 2016 4:19 pm
Operator : PAH5:sf
Sample : L1607846-04
Misc : WG877452,WG876674,ICAL12131
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 30 14:48:42 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

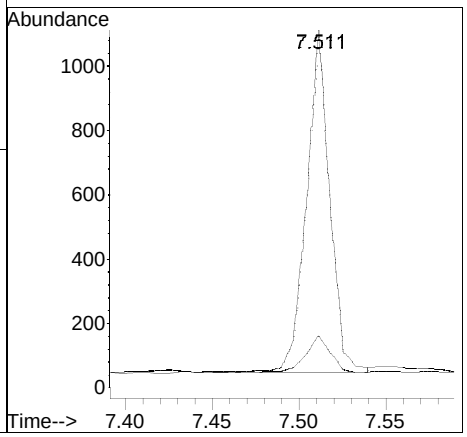


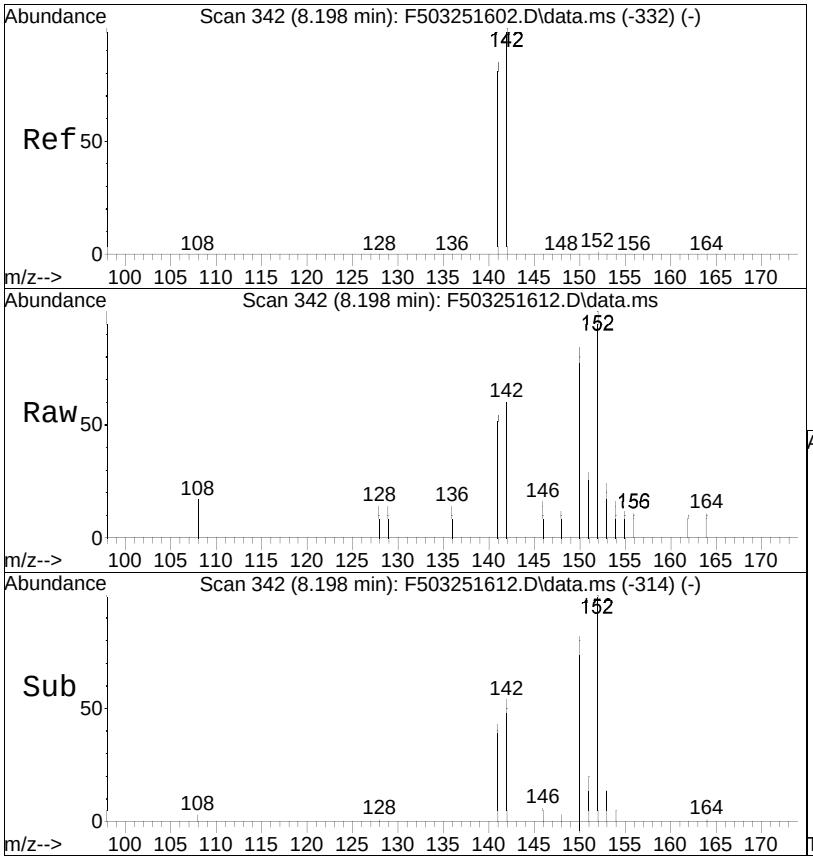


#2
Naphthalene
Concen: 5.81 ng/mL
RT: 7.511 min Scan# 245
Delta R.T. 0.000 min
Lab File: F503251612.D
Acq: 25 Mar 2016 4:19 pm

Tgt Ion:128 Resp: 973

Ion	Ratio	Lower	Upper
128	100		
129	14.7	9.2	13.8#

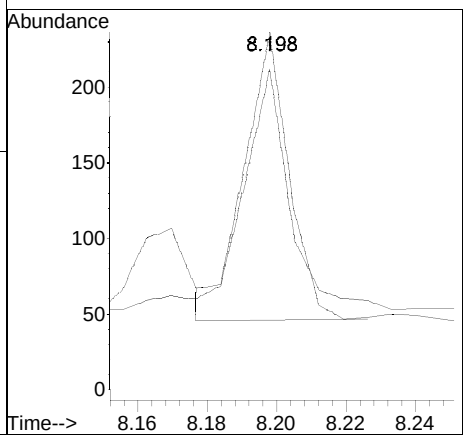


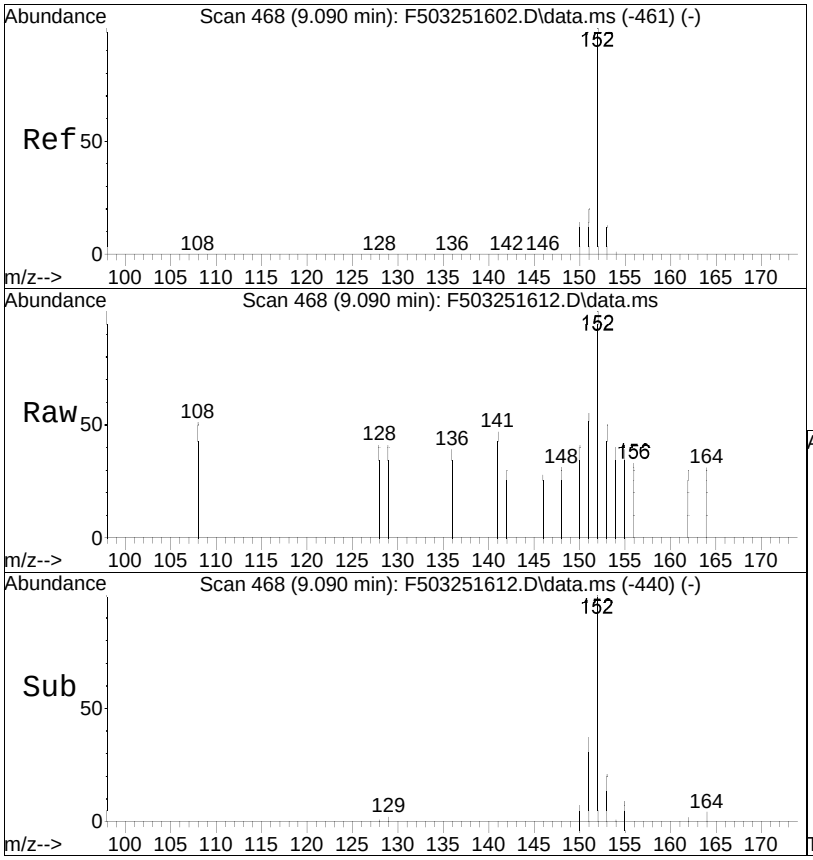


#5
2-Methylnaphthalene
Concen: 1.51 ng/mL
RT: 8.198 min Scan# 342
Delta R.T. 0.000 min
Lab File: F503251612.D
Acq: 25 Mar 2016 4:19 pm

Tgt Ion:142 Resp: 168

Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.9	106.3

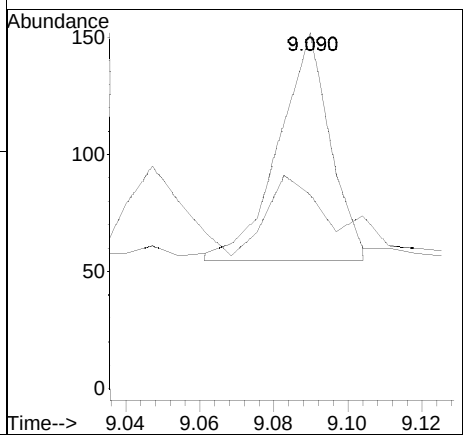


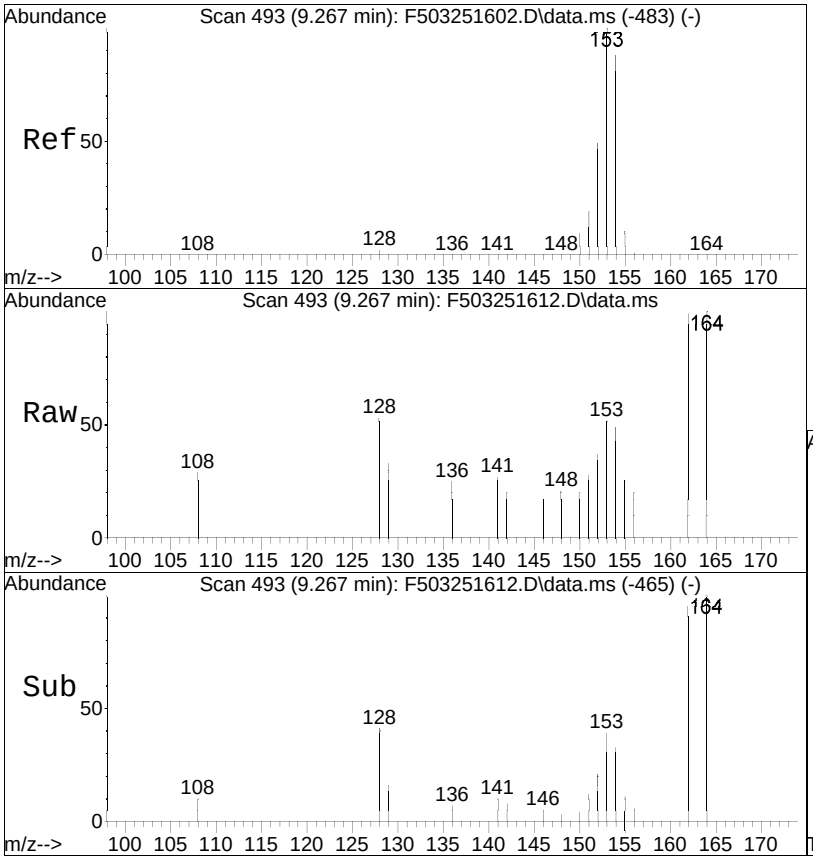


#12
Acenaphthylene
Concen: 1.79 ng/mL M4
RT: 9.090 min Scan# 468
Delta R.T. 0.000 min
Lab File: F503251612.D
Acq: 25 Mar 2016 4:19 pm

Tgt Ion:152 Resp: 94

Ion	Ratio	Lower	Upper
152	100		
151	54.6	16.1	24.1#

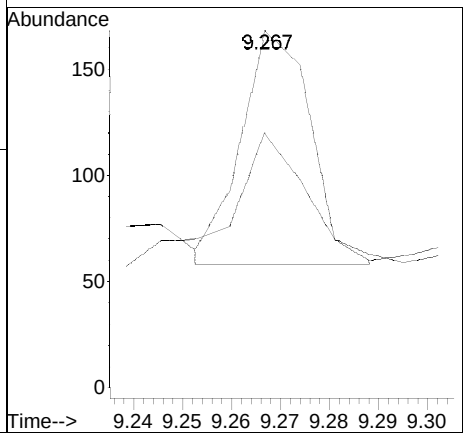


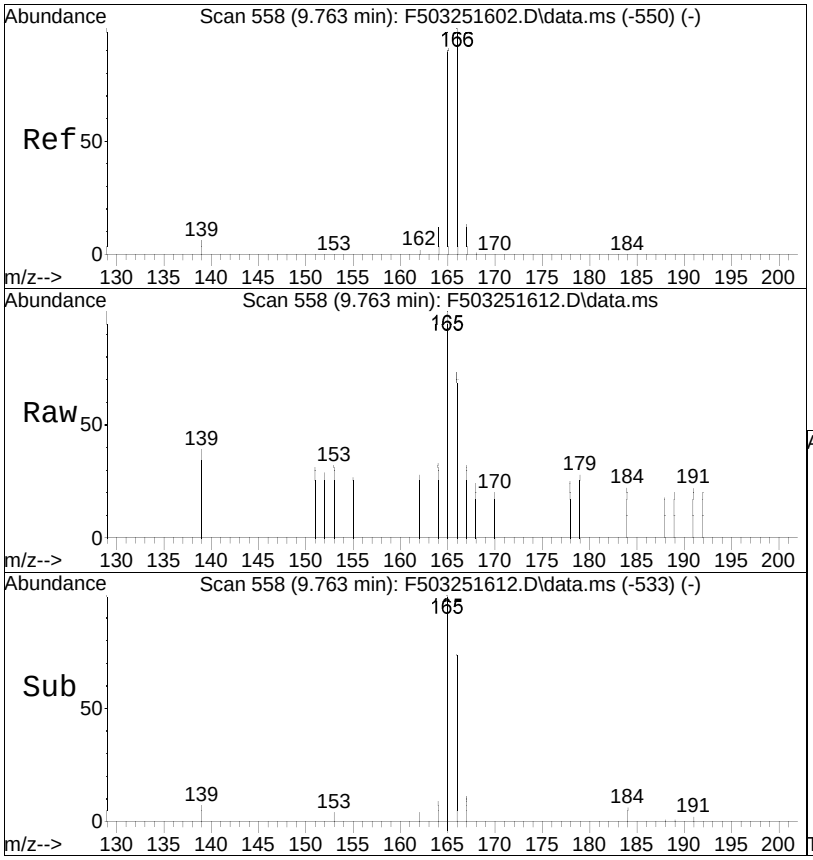


#13
Acenaphthene
Concen: 0.97 ng/mL M4
RT: 9.267 min Scan# 493
Delta R.T. 0.000 min
Lab File: F503251612.D
Acq: 25 Mar 2016 4:19 pm

Tgt Ion:153 Resp: 107

Ion	Ratio	Lower	Upper
153	100		
152	71.4	37.8	56.8#

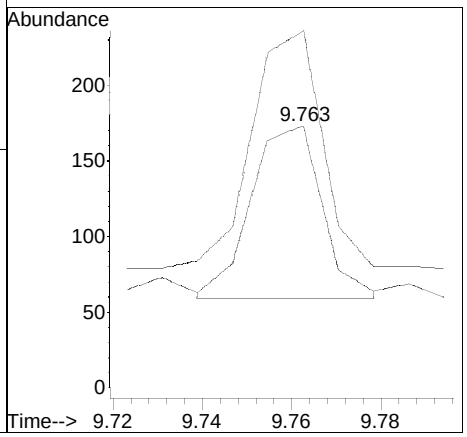


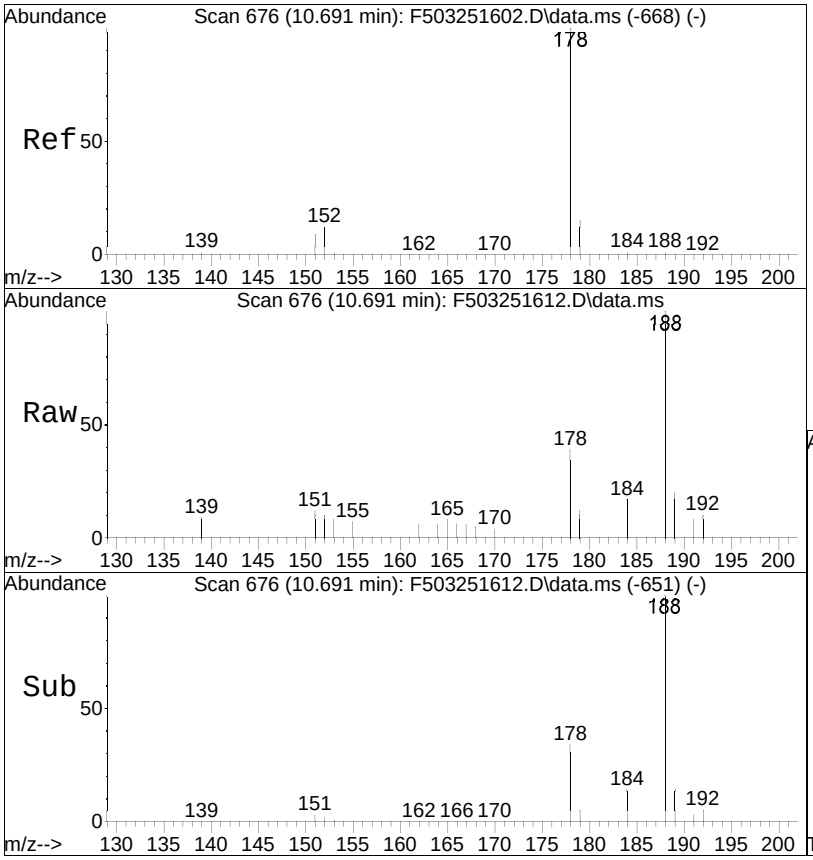


#15
Fluorene
Concen: 1.04 ng/mL M3
RT: 9.763 min Scan# 558
Delta R.T. 0.000 min
Lab File: F503251612.D
Acq: 25 Mar 2016 4:19 pm

Tgt Ion:166 Resp: 126

Ion	Ratio	Lower	Upper
166	100		
165	136.4	77.3	115.9#

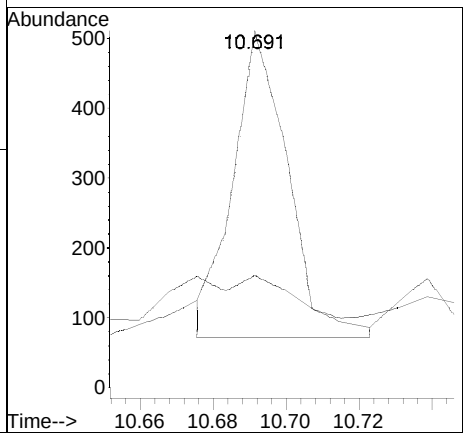


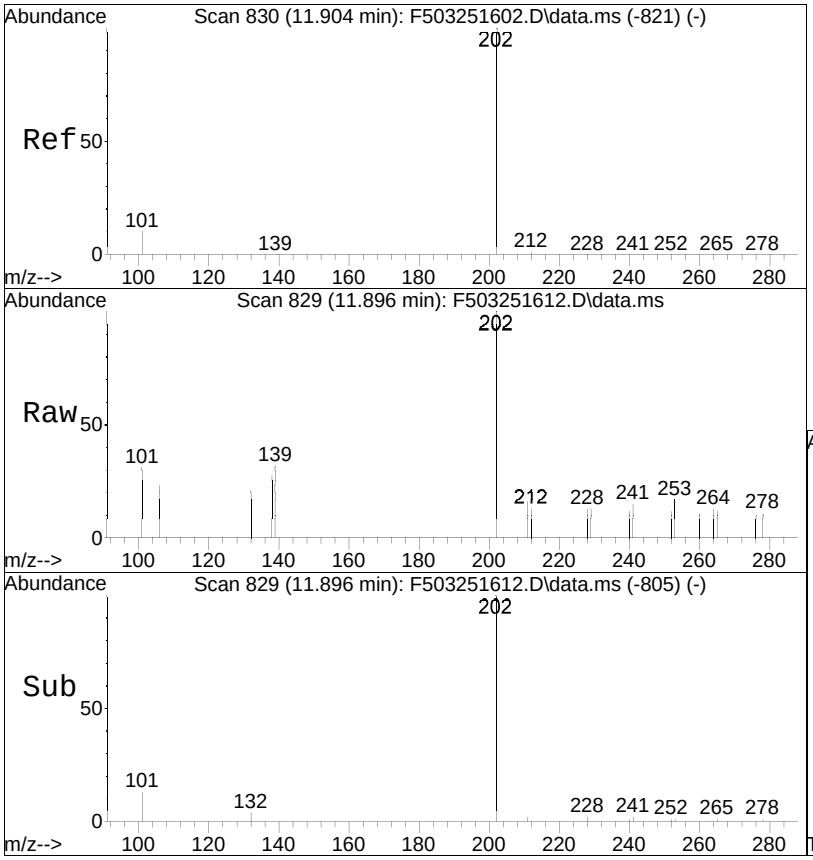


#19
Phenanthrene
Concen: 2.27 ng/mL M4
RT: 10.691 min Scan# 676
Delta R.T. 0.000 min
Lab File: F503251612.D
Acq: 25 Mar 2016 4:19 pm

Tgt Ion:178 Resp: 447

Ion	Ratio	Lower	Upper
178	100		
179	31.5	12.4	18.6#

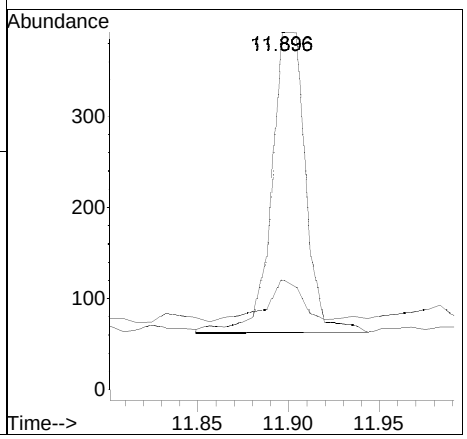


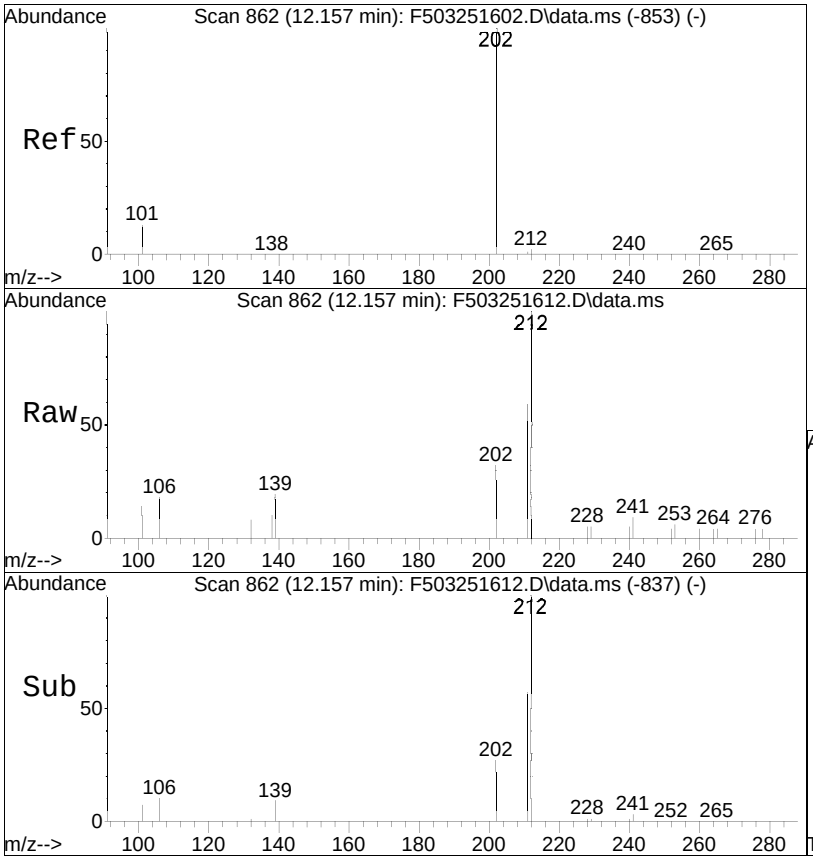


#23
Fluoranthene
Concen: 2.05 ng/mL
RT: 11.896 min Scan# 829
Delta R.T. -0.008 min
Lab File: F503251612.D
Acq: 25 Mar 2016 4:19 pm

Tgt Ion:202 Resp: 426

Ion	Ratio	Lower	Upper
202	100		
101	30.9	12.6	19.0#

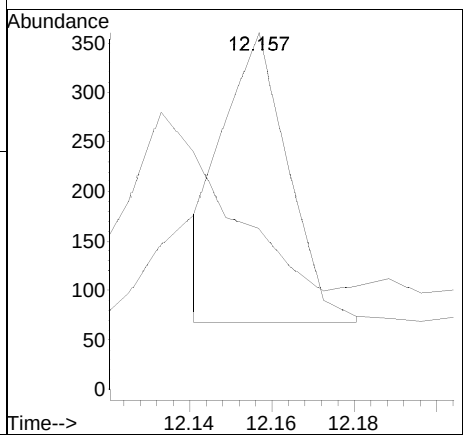


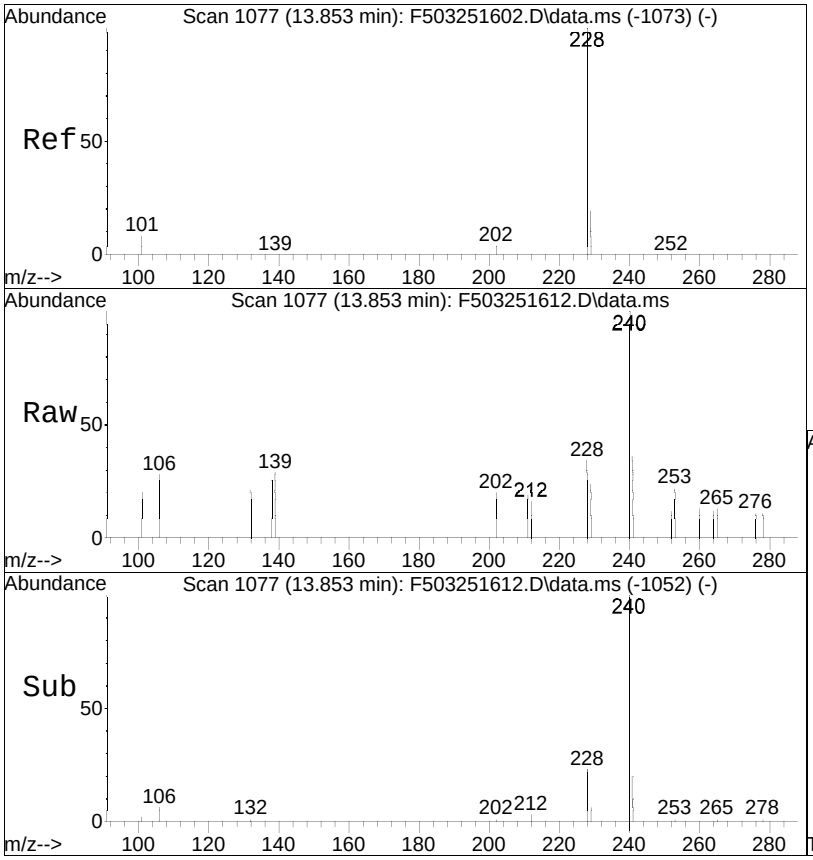


#26
Pyrene
Concen: 1.29 ng/mL M3
RT: 12.157 min Scan# 862
Delta R.T. 0.000 min
Lab File: F503251612.D
Acq: 25 Mar 2016 4:19 pm

Tgt Ion:202 Resp: 317

Ion	Ratio	Lower	Upper
202	100		
101	45.3	14.4	21.6#

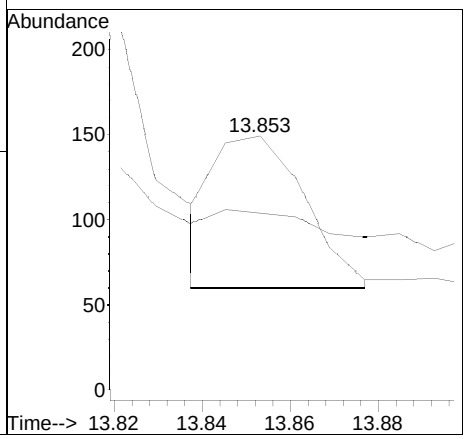


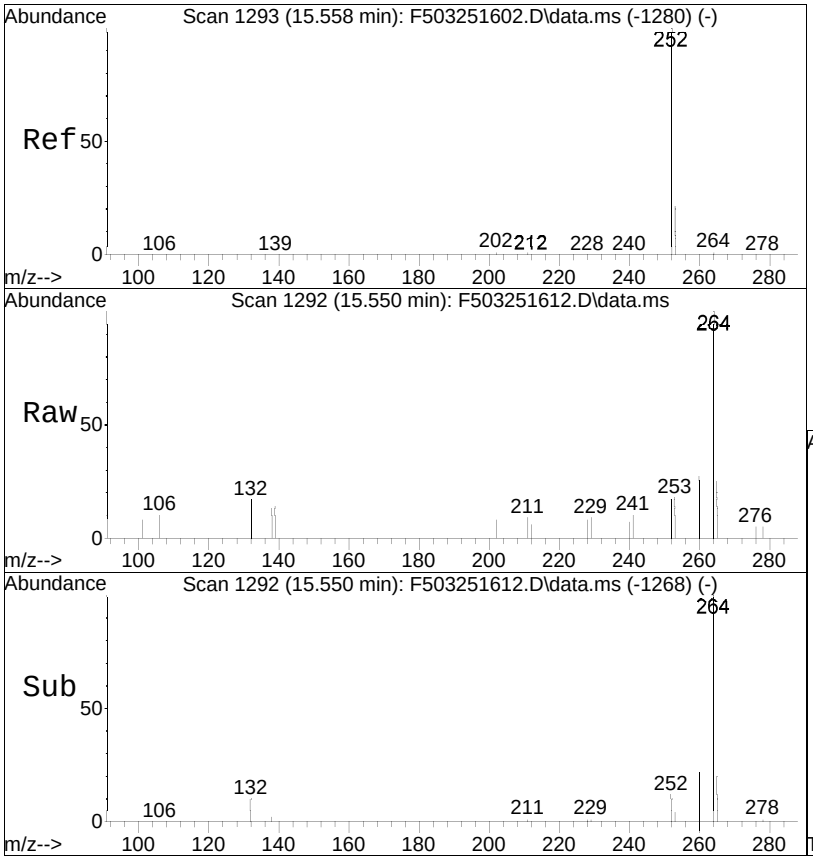


#28
Chrysene
Concen: 0.60 ng/mL M4
RT: 13.853 min Scan# 1077
Delta R.T. 0.000 min
Lab File: F503251612.D
Acq: 25 Mar 2016 4:19 pm

Tgt Ion:228 Resp: 127

Ion	Ratio	Lower	Upper
228	100		
229	69.8	16.1	24.1#

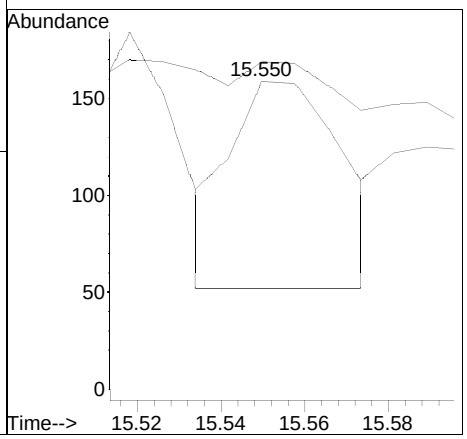


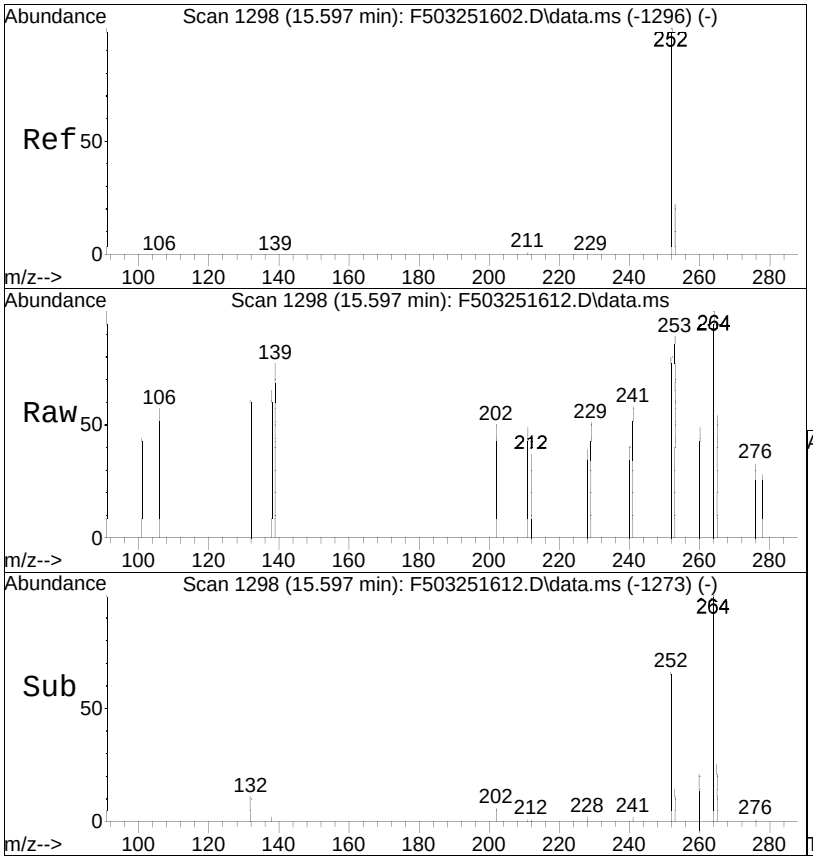


#32
Benzo[b]fluoranthene
Concen: 0.95 ng/mL M4
RT: 15.550 min Scan# 1292
Delta R.T. -0.008 min
Lab File: F503251612.D
Acq: 25 Mar 2016 4:19 pm

Tgt Ion:252 Resp: 198

Ion	Ratio	Lower	Upper
252	100		
253	106.3	18.2	27.4#

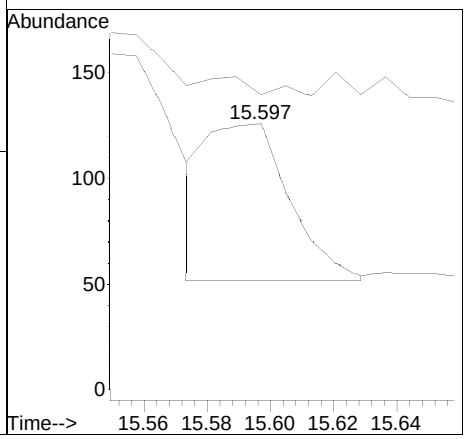


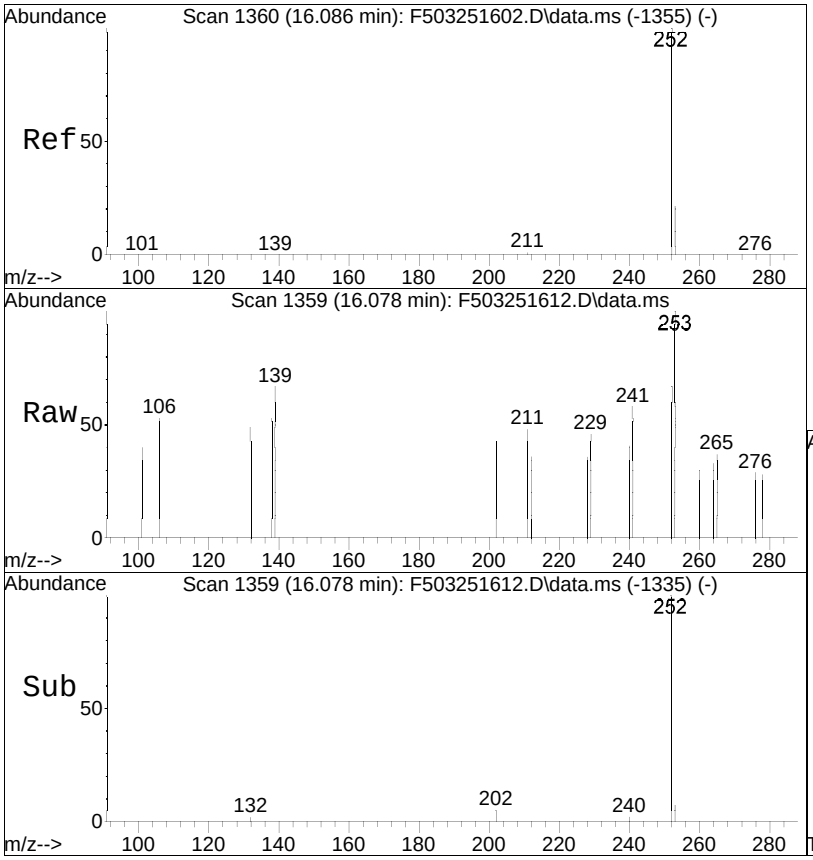


#33
Benzo[k]fluoranthene
Concen: 0.72 ng/mL M3
RT: 15.597 min Scan# 1298
Delta R.T. 0.000 min
Lab File: F503251612.D
Acq: 25 Mar 2016 4:19 pm

Tgt Ion:252 Resp: 136

Ion	Ratio	Lower	Upper
252	100		
253	111.1	18.2	27.2#

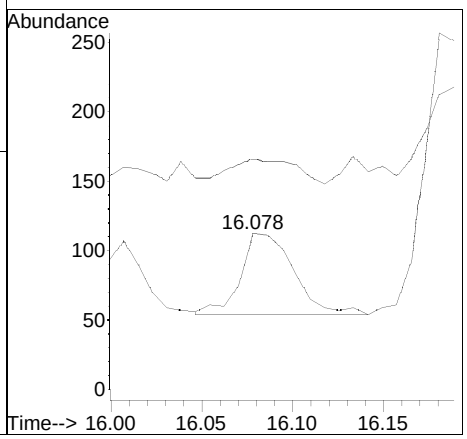




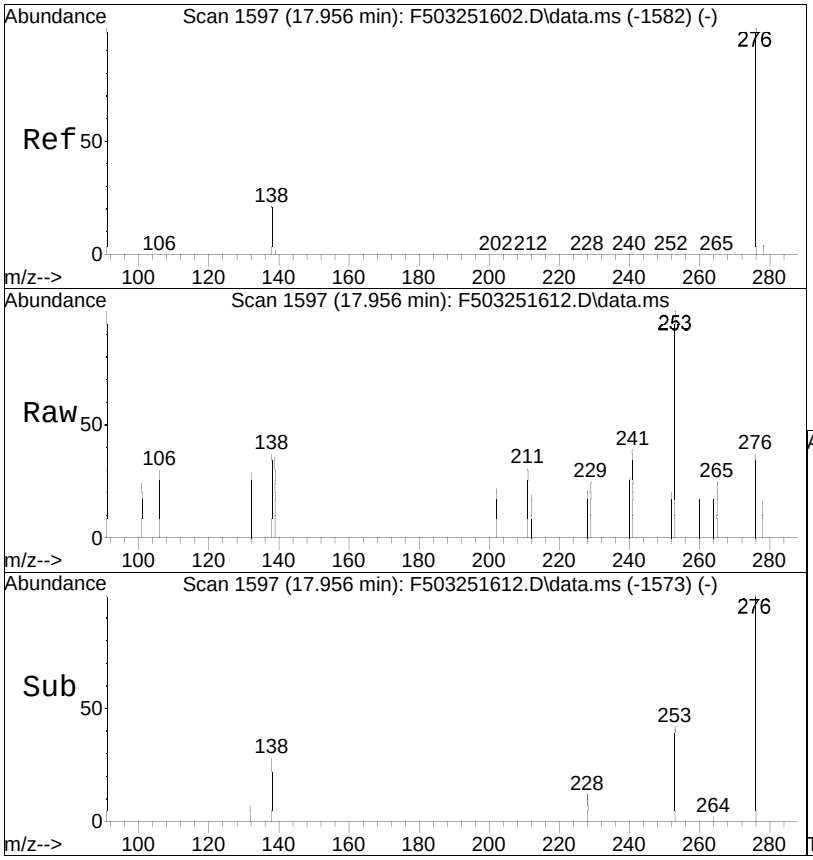
#35
Benzo[a]pyrene
Concen: 0.60 ng/mL
RT: 16.078 min Scan# 1359
Delta R.T. -0.008 min
Lab File: F503251612.D
Acq: 25 Mar 2016 4:19 pm

Tgt Ion:252 Resp: 118

Ion	Ratio	Lower	Upper
252	100		
253	148.2	18.6	27.8#



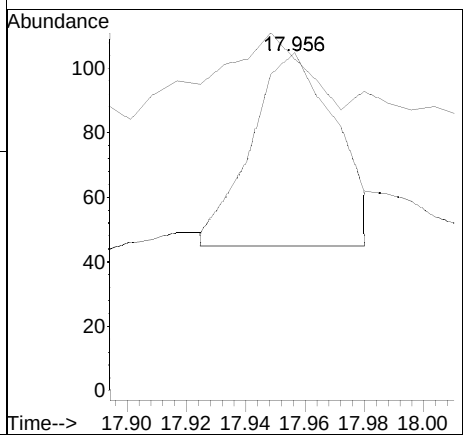
F503251612.D PAH0307PAH5.M Wed Mar 30 14:59:15 2016 Page 14

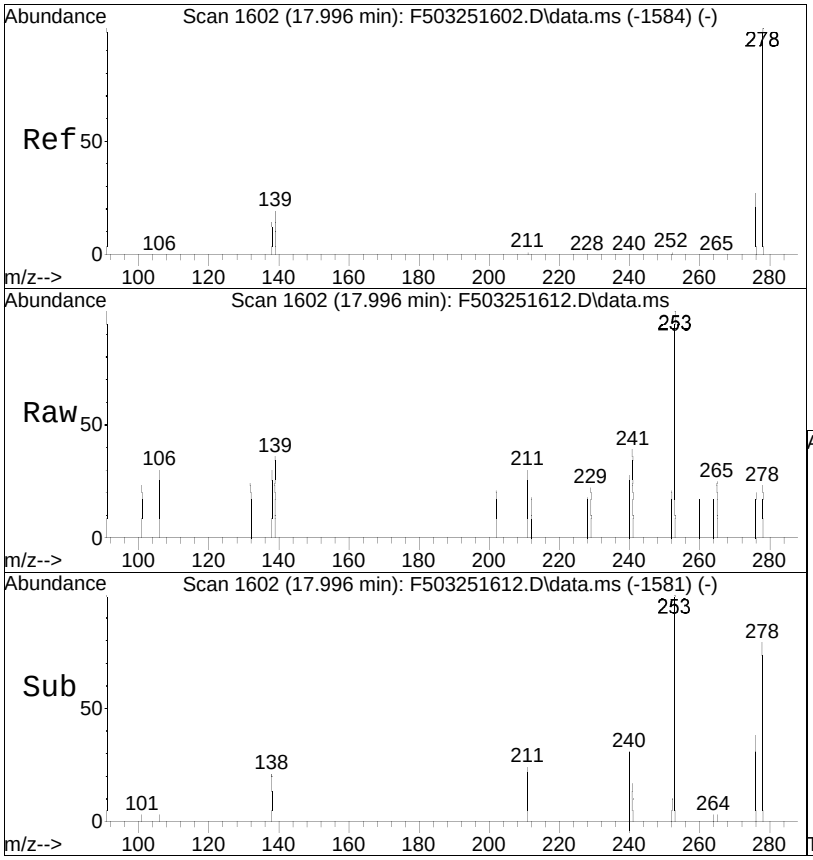


#37
Indeno[1,2,3-cd]pyrene
Concen: 7.09 ng/mL M4
RT: 17.956 min Scan# 1597
Delta R.T. 0.000 min
Lab File: F503251612.D
Acq: 25 Mar 2016 4:19 pm

Tgt Ion:276 Resp: 120

Ion	Ratio	Lower	Upper
276	100		
138	98.1	31.1	46.7#

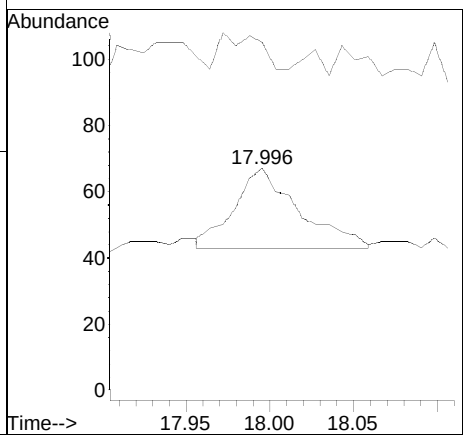


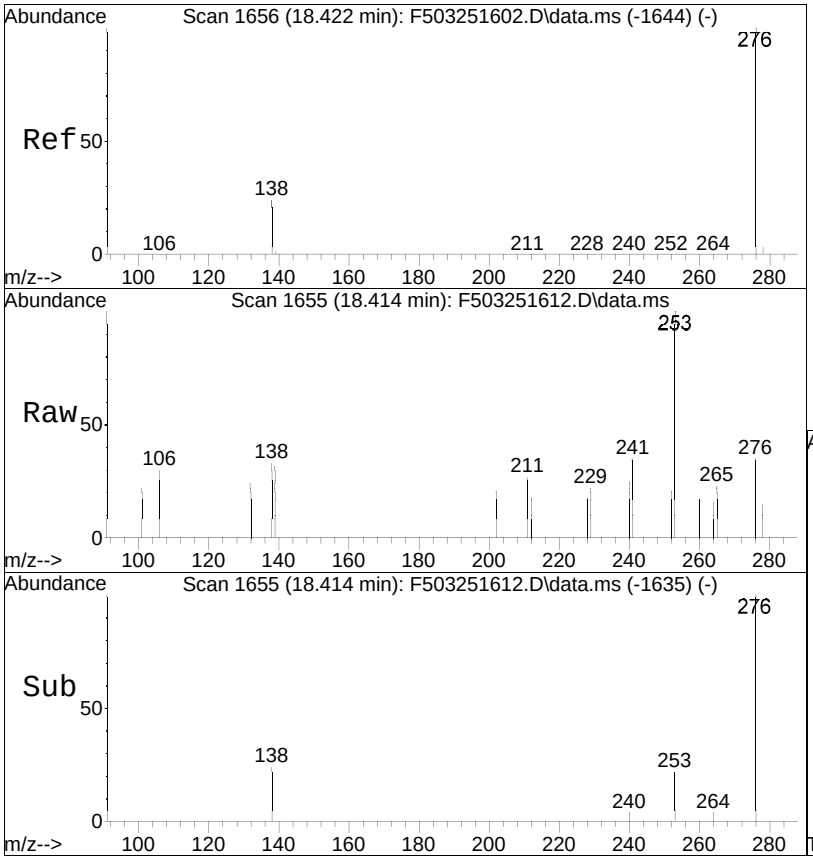


#38
Dibenz[a,h]anthracene
Concen: 5.22 ng/mL M4
RT: 17.996 min Scan# 1602
Delta R.T. 0.000 min
Lab File: F503251612.D
Acq: 25 Mar 2016 4:19 pm

Tgt Ion:278 Resp: 64

Ion	Ratio	Lower	Upper
278	100		
139	156.7	27.5	41.3#

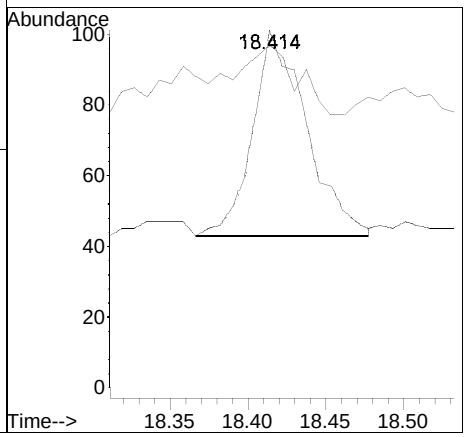




#39
Benzo[g,h,i]perylene
Concen: 0.75 ng/mL
RT: 18.414 min Scan# 1655
Delta R.T. -0.008 min
Lab File: F503251612.D
Acq: 25 Mar 2016 4:19 pm

Tgt Ion:276 Resp: 139

Ion	Ratio	Lower	Upper
276	100		
138	96.0	27.4	41.2#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251613.D
Acq On : 25 Mar 2016 4:49 pm
Operator : PAH5:sf
Sample : L1607846-05
Misc : WG877452,WG876674,ICAL12131
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 30 14:48:46 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.490	136	78900	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.239	164	37991	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.676	188	80577	500.000	ng/mL	0.00
24) Chrysene-d12	13.814	240	86228	500.000	ng/mL	0.00
29) Perylene-d12	16.189	264	84238	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.170	152	28755	320.357	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 6.41%#			
25) Pyrene-d10	12.133	212	57029	361.684	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 7.23%#			
31) Benzo[b]fluoranthene-d12	15.518	264	57130	393.443	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 7.87%#			
Target Compounds						Qvalue
2) Naphthalene	7.512	128	1117	6.654	ng/mL#	91
5) 2-Methylnaphthalene	8.198	142	177M4	1.583	ng/mL	
12) Acenaphthylene	9.090	152	82	1.722	ng/mL#	1
13) Acenaphthene	9.267	153	83M3	0.751	ng/mL	
15) Fluorene	9.763	166	99M3	0.815	ng/mL	
19) Phenanthrene	10.692	178	393M4	1.991	ng/mL	
20) Anthracene	10.739	178	27	N.D.		
23) Fluoranthene	11.904	202	366M4	1.761	ng/mL	
26) Pyrene	12.157	202	311M3	1.251	ng/mL	
27) Benz[a]anthracene	13.798	228	88	N.D.		
28) Chrysene	13.853	228	123	0.579	ng/mL#	1
32) Benzo[b]fluoranthene	15.558	252	134M3	0.635	ng/mL	
33) Benzo[k]fluoranthene	15.589	252	98M3	0.516	ng/mL	
35) Benzo[a]pyrene	16.086	252	104	0.526	ng/mL#	1
37) Indeno[1,2,3-cd]pyrene	17.949	276	83M4	6.895	ng/mL	
38) Dibenz[a,h]anthracene	17.996	278	23	5.007	ng/mL#	1
39) Benzo[g,h,i]perylene	18.414	276	98	0.523	ng/mL#	1

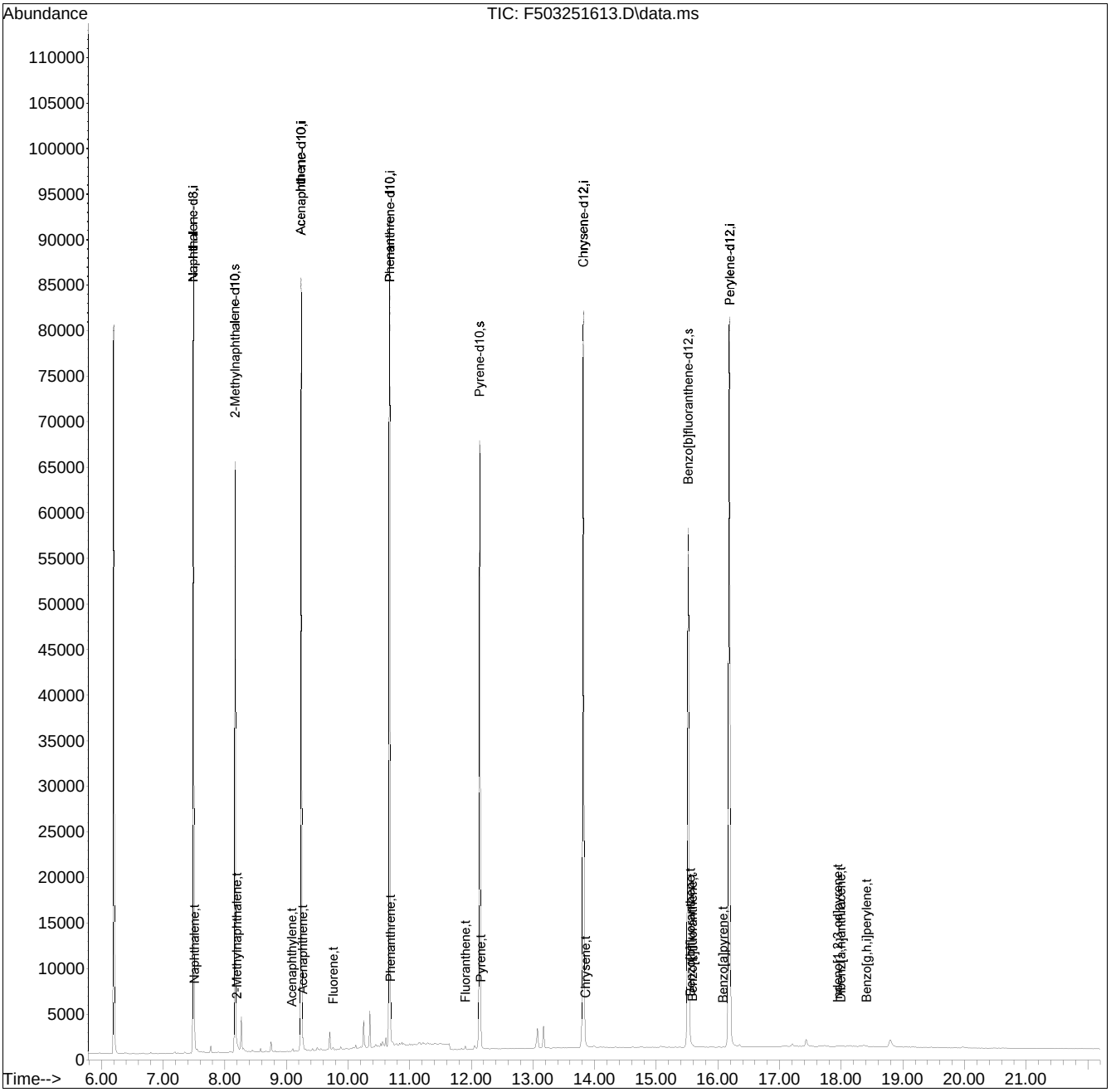
(#) = qualifier out of range (m) = manual integration (+) = signals summed

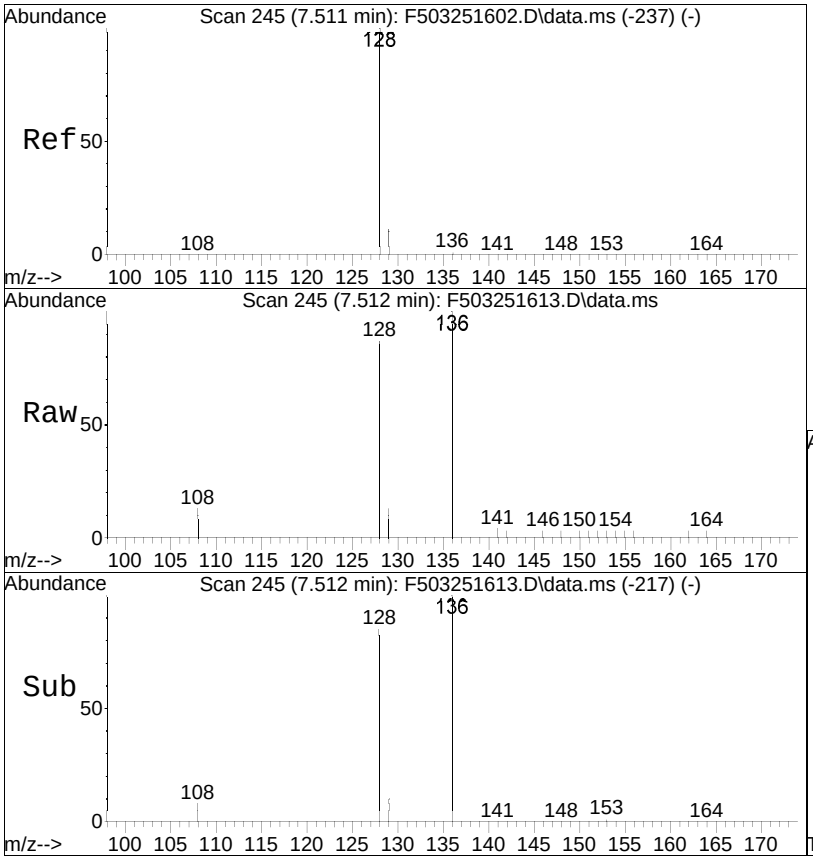
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251613.D
Acq On : 25 Mar 2016 4:49 pm
Operator : PAH5:sf
Sample : L1607846-05
Misc : WG877452,WG876674,ICAL12131
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 30 14:48:46 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

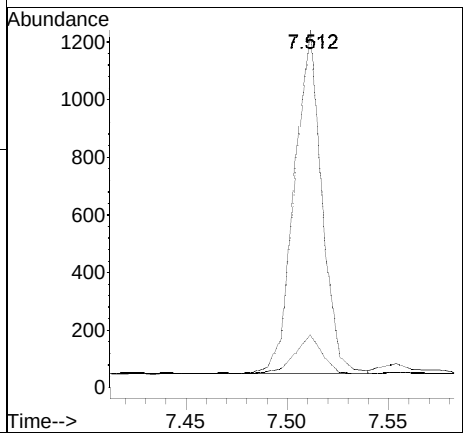


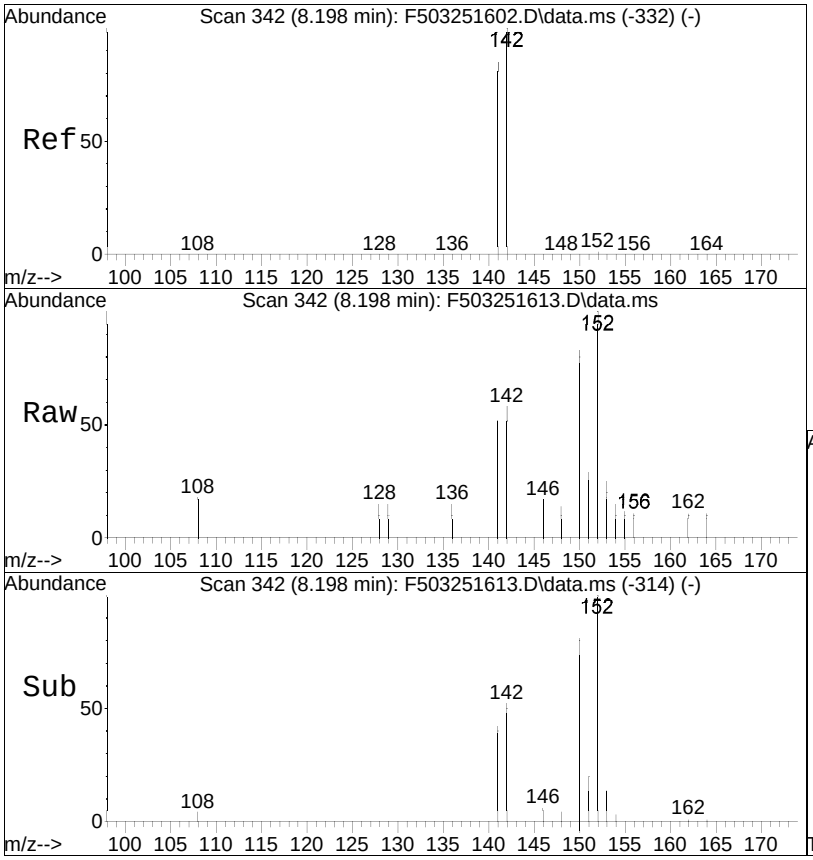


#2
Naphthalene
Concen: 6.65 ng/mL
RT: 7.512 min Scan# 245
Delta R.T. 0.000 min
Lab File: F503251613.D
Acq: 25 Mar 2016 4:49 pm

Tgt Ion:128 Resp: 1117

Ion	Ratio	Lower	Upper
128	100		
129	14.9	9.2	13.8#

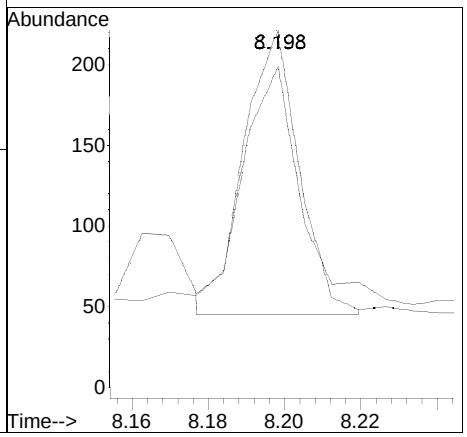


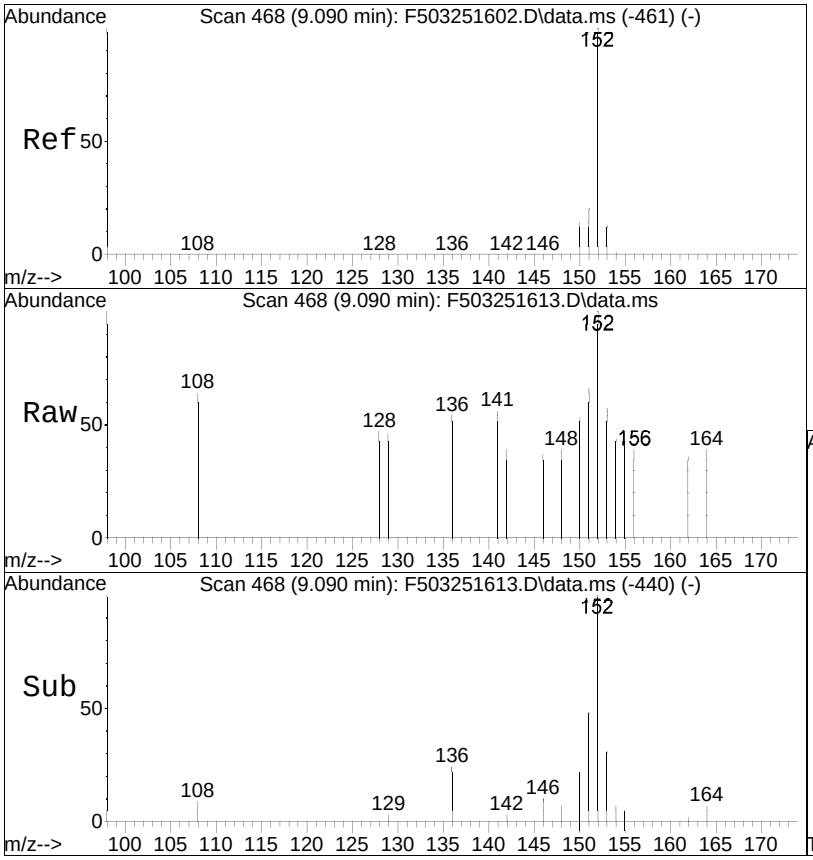


#5
2-Methylnaphthalene
Concen: 1.58 ng/mL M4
RT: 8.198 min Scan# 342
Delta R.T. 0.000 min
Lab File: F503251613.D
Acq: 25 Mar 2016 4:49 pm

Tgt Ion:142 Resp: 177

Ion	Ratio	Lower	Upper
142	100		
141	90.0	70.9	106.3

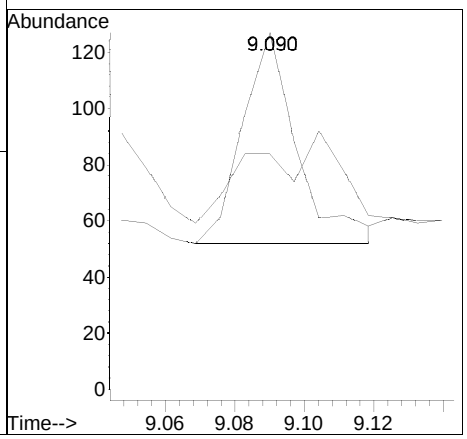




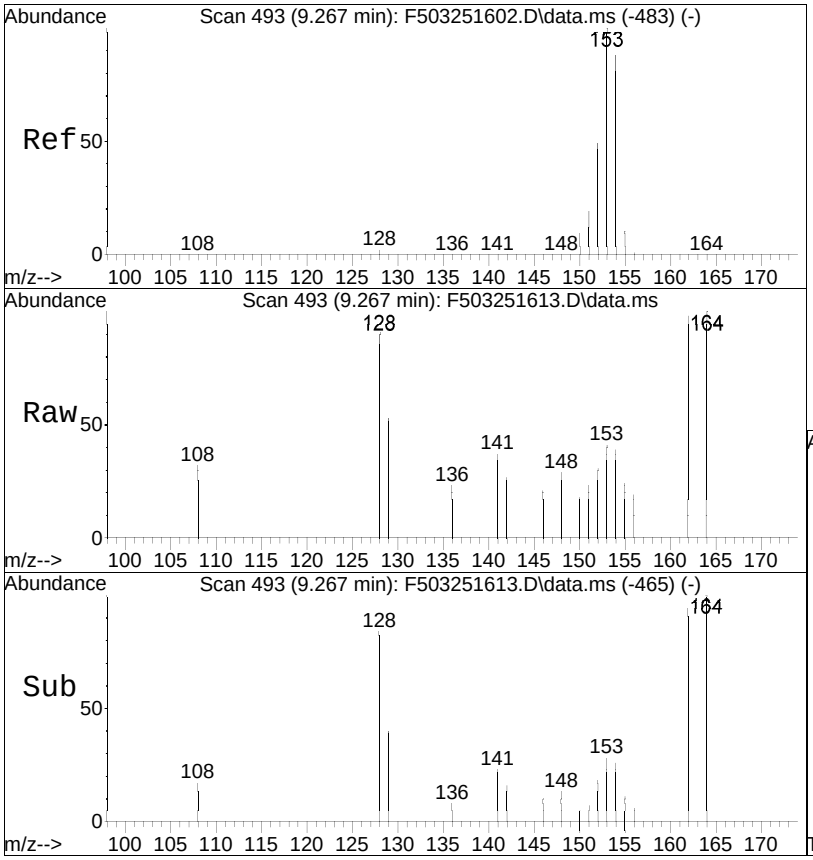
#12
Acenaphthylene
Concen: 1.72 ng/mL
RT: 9.090 min Scan# 468
Delta R.T. 0.000 min
Lab File: F503251613.D
Acq: 25 Mar 2016 4:49 pm

Tgt Ion:152 Resp: 82

Ion	Ratio	Lower	Upper
152	100		
151	66.1	16.1	24.1#



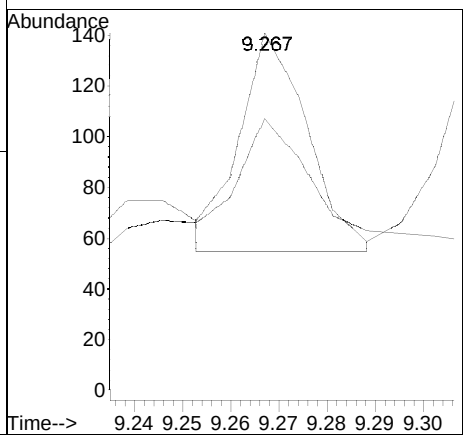
F503251613.D PAH0307PAH5.M Wed Mar 30 14:59:20 2016 Page 5

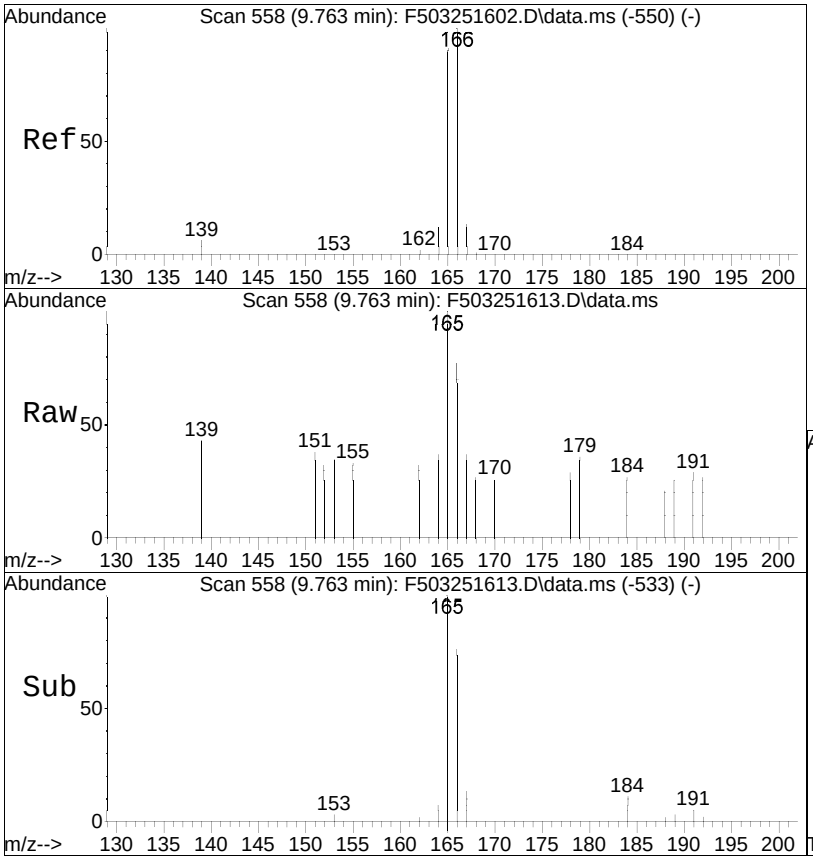


#13
Acenaphthene
Concen: 0.75 ng/mL M3
RT: 9.267 min Scan# 493
Delta R.T. 0.000 min
Lab File: F503251613.D
Acq: 25 Mar 2016 4:49 pm

Tgt Ion:153 Resp: 83

Ion	Ratio	Lower	Upper
153	100		
152	75.9	37.8	56.8#

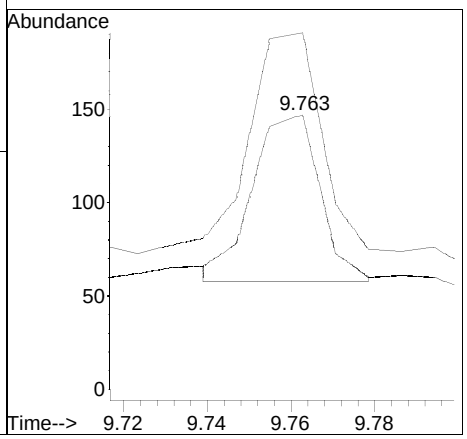


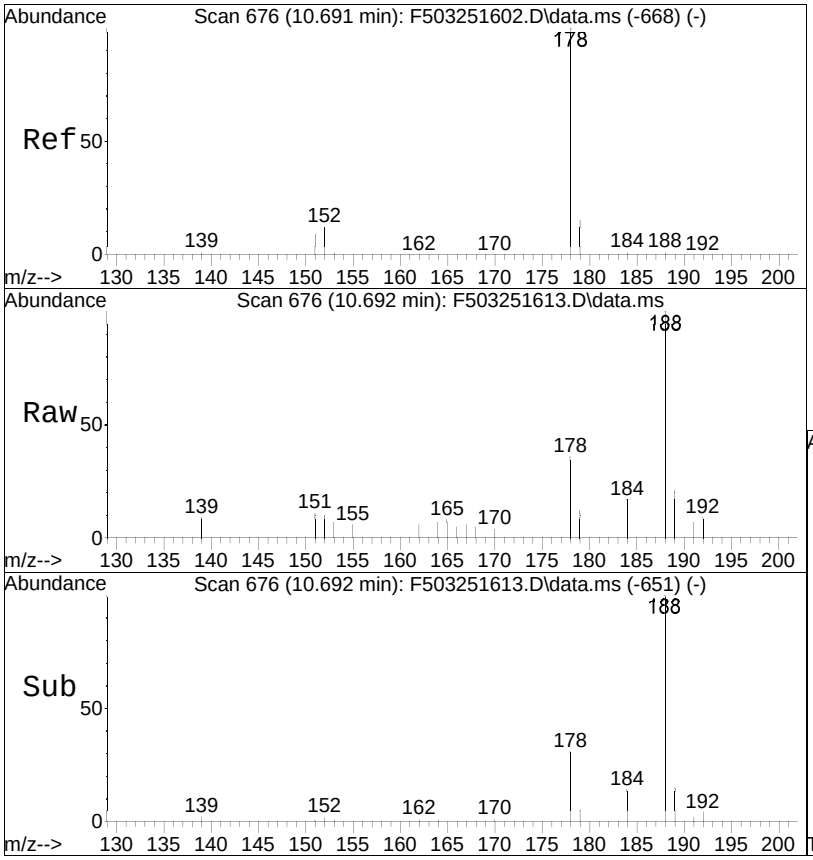


#15
Fluorene
Concen: 0.81 ng/mL M3
RT: 9.763 min Scan# 558
Delta R.T. 0.000 min
Lab File: F503251613.D
Acq: 25 Mar 2016 4:49 pm

Tgt Ion:166 Resp: 99

Ion	Ratio	Lower	Upper
166	100		
165	129.9	77.3	115.9#

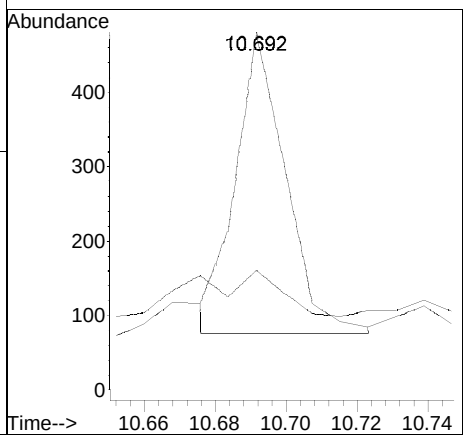


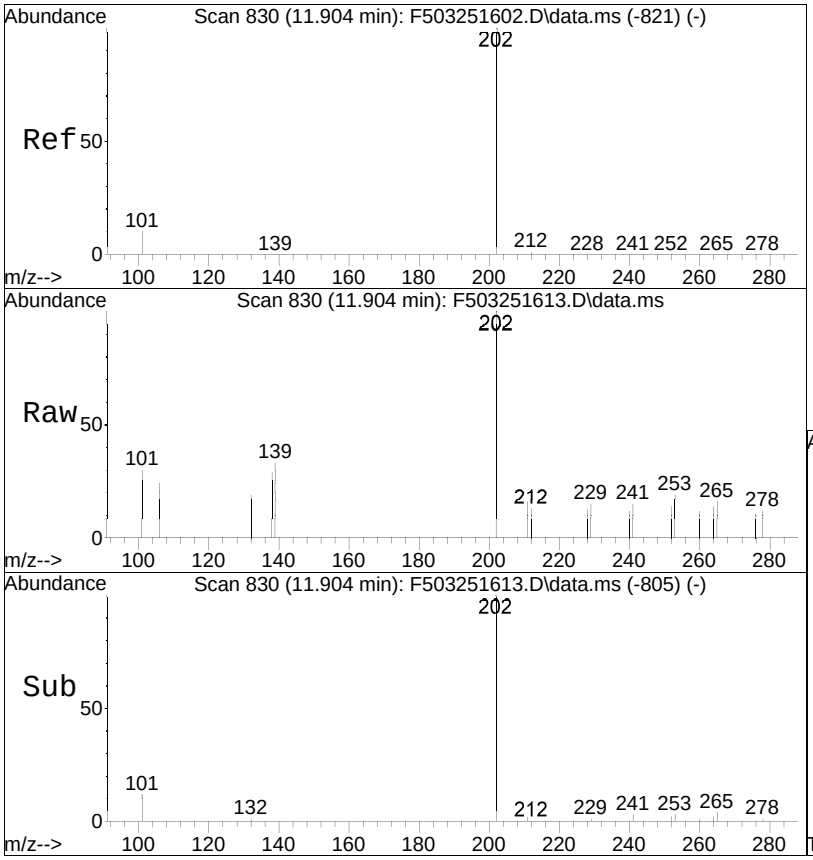


#19
Phenanthrene
Concen: 1.99 ng/mL M4
RT: 10.692 min Scan# 676
Delta R.T. 0.000 min
Lab File: F503251613.D
Acq: 25 Mar 2016 4:49 pm

Tgt Ion:178 Resp: 393

Ion	Ratio	Lower	Upper
178	100		
179	33.5	12.4	18.6#

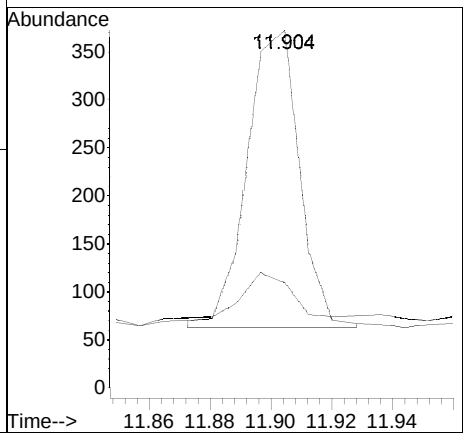


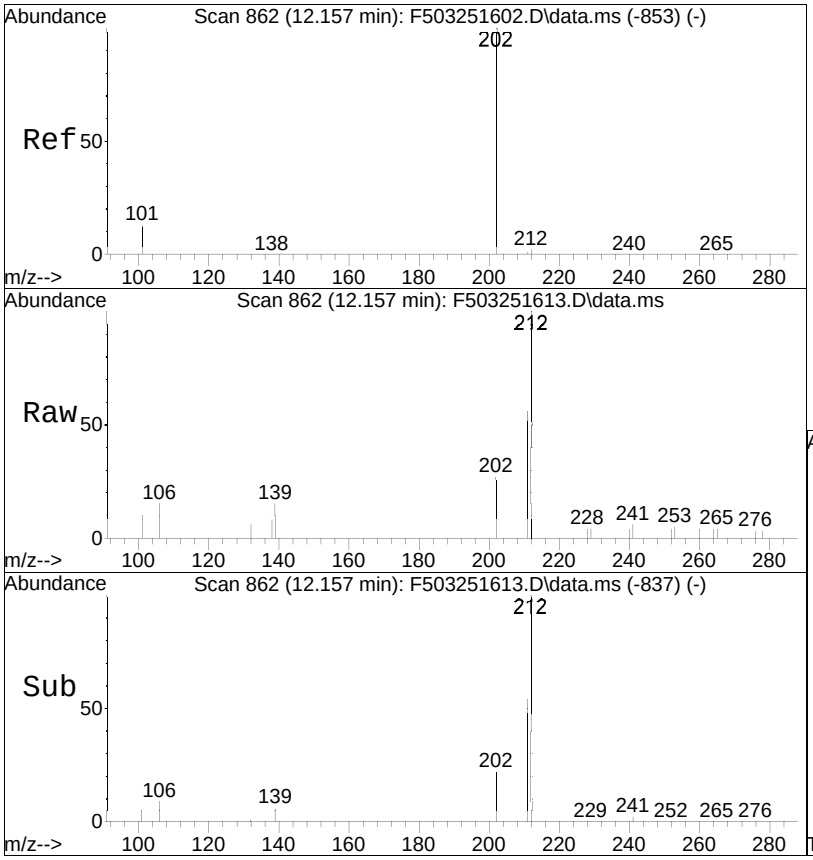


#23
Fluoranthene
Concen: 1.76 ng/mL M4
RT: 11.904 min Scan# 830
Delta R.T. 0.000 min
Lab File: F503251613.D
Acq: 25 Mar 2016 4:49 pm

Tgt Ion:202 Resp: 366

Ion	Ratio	Lower	Upper
202	100		
101	29.6	12.6	19.0#

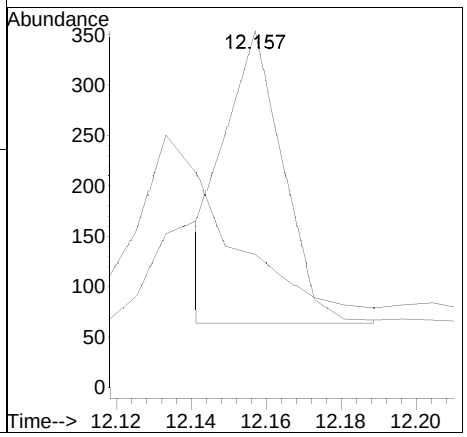


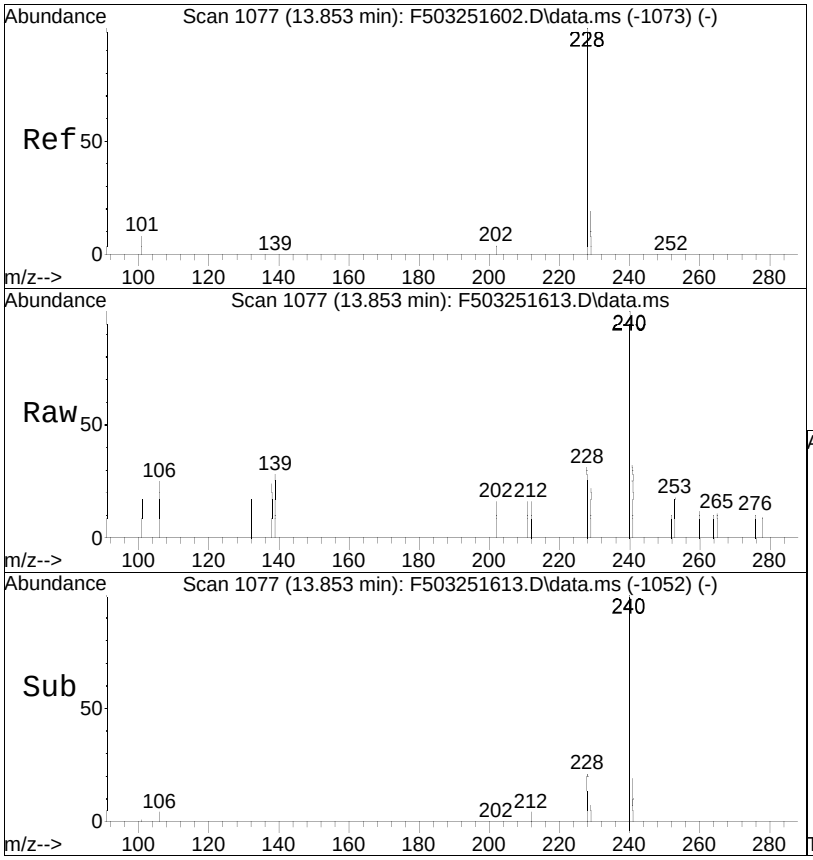


#26
Pyrene
Concen: 1.25 ng/mL M3
RT: 12.157 min Scan# 862
Delta R.T. 0.000 min
Lab File: F503251613.D
Acq: 25 Mar 2016 4:49 pm

Tgt Ion:202 Resp: 311

Ion	Ratio	Lower	Upper
202	100		
101	37.3	14.4	21.6#

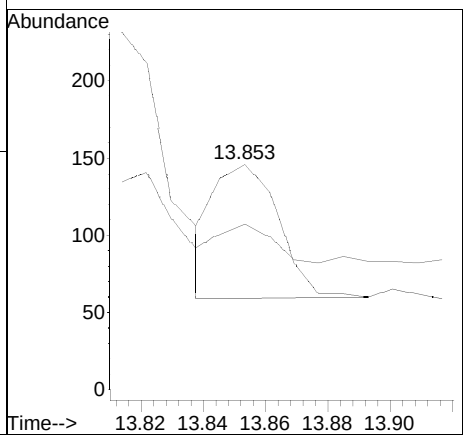


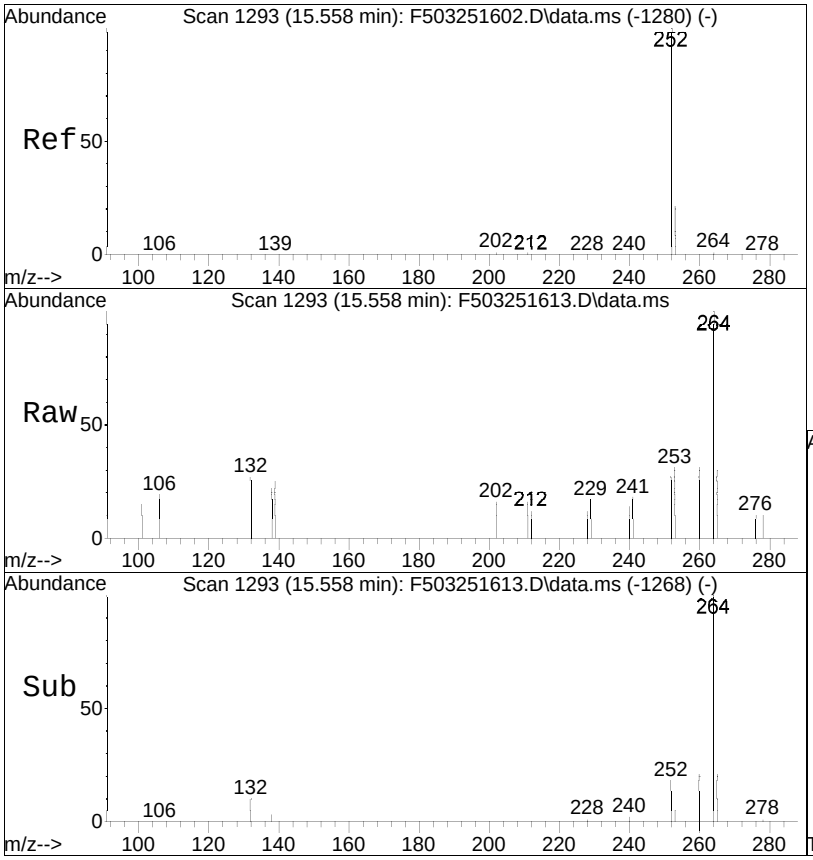


#28
Chrysene
Concen: 0.58 ng/mL
RT: 13.853 min Scan# 1077
Delta R.T. 0.000 min
Lab File: F503251613.D
Acq: 25 Mar 2016 4:49 pm

Tgt Ion:228 Resp: 123

Ion	Ratio	Lower	Upper
228	100		
229	73.3	16.1	24.1#

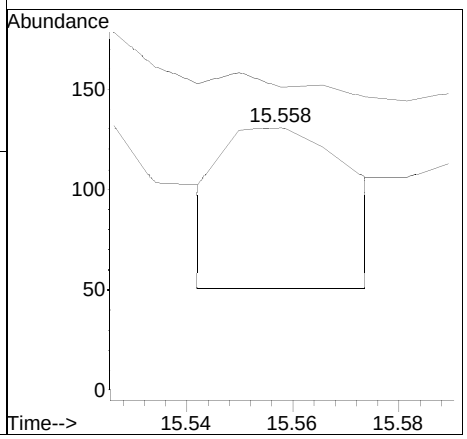


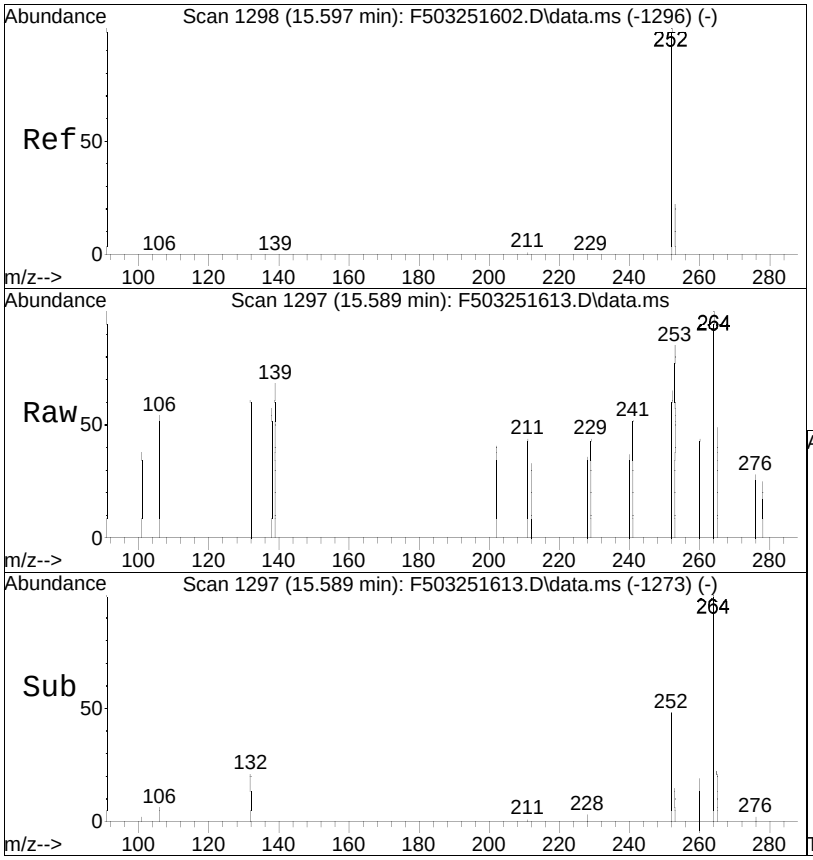


#32
Benzo[b]fluoranthene
Concen: 0.64 ng/mL M3
RT: 15.558 min Scan# 1293
Delta R.T. 0.000 min
Lab File: F503251613.D
Acq: 25 Mar 2016 4:49 pm

Tgt Ion:252 Resp: 134

Ion	Ratio	Lower	Upper
252	100		
253	115.3	18.2	27.4#

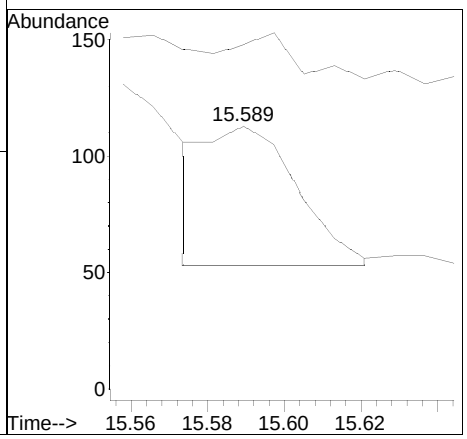


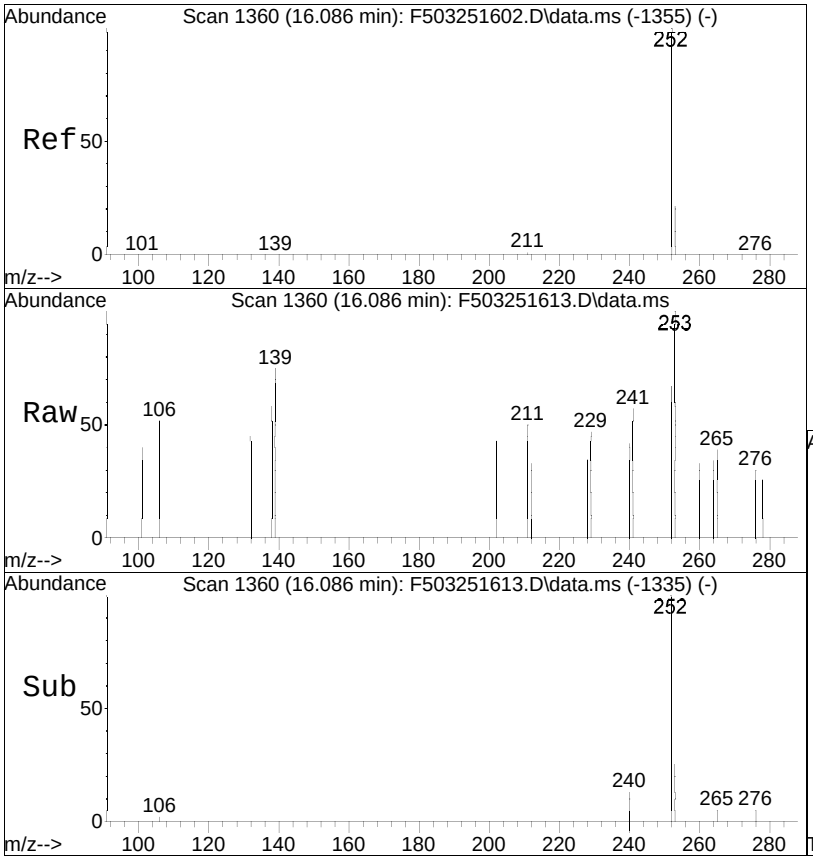


#33
Benzo[k]fluoranthene
Concen: 0.52 ng/mL M3
RT: 15.589 min Scan# 1297
Delta R.T. -0.008 min
Lab File: F503251613.D
Acq: 25 Mar 2016 4:49 pm

Tgt Ion:252 Resp: 98

Ion	Ratio	Lower	Upper
252	100		
253	131.0	18.2	27.2#

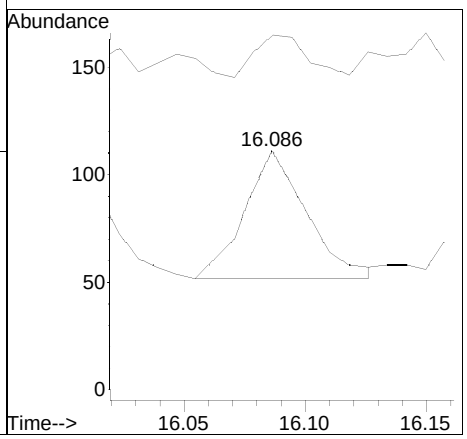


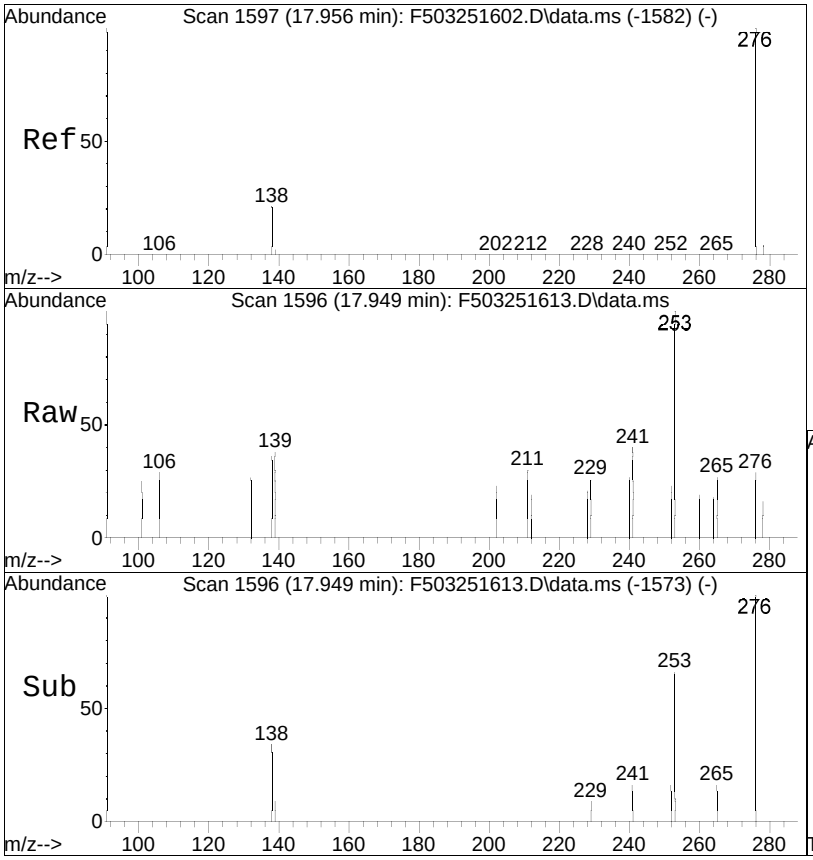


#35
Benzo[a]pyrene
Concen: 0.53 ng/mL
RT: 16.086 min Scan# 1360
Delta R.T. 0.000 min
Lab File: F503251613.D
Acq: 25 Mar 2016 4:49 pm

Tgt Ion:252 Resp: 104

Ion	Ratio	Lower	Upper
252	100		
253	148.6	18.6	27.8#

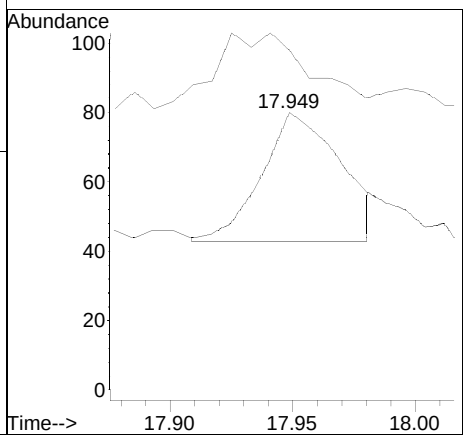


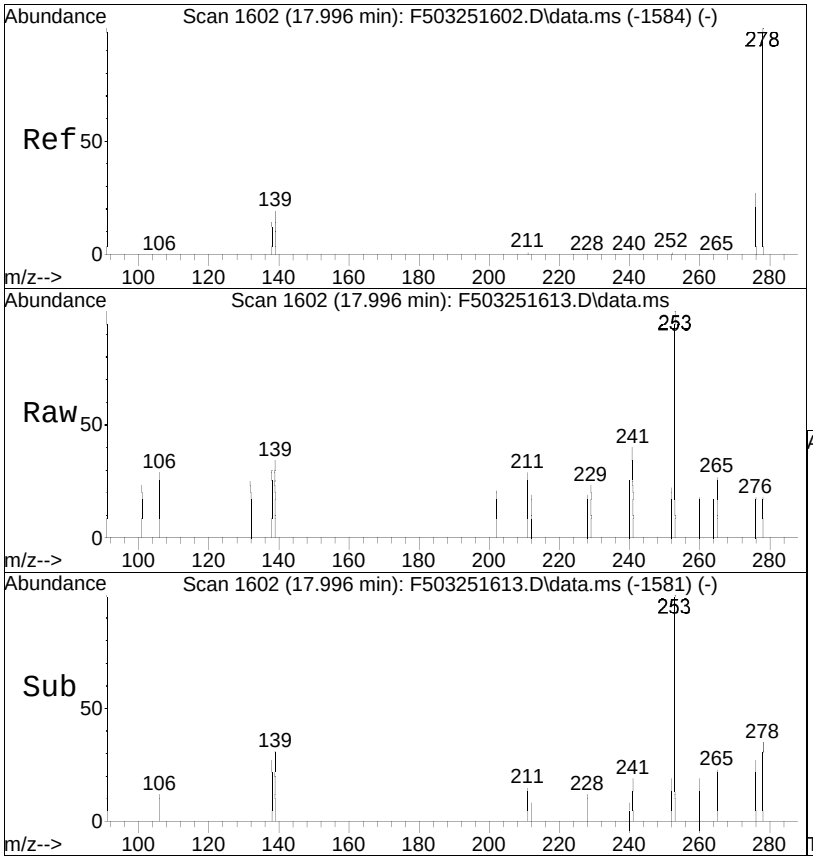


#37
Indeno[1,2,3-cd]pyrene
Concen: 6.89 ng/mL M4
RT: 17.949 min Scan# 1596
Delta R.T. -0.008 min
Lab File: F503251613.D
Acq: 25 Mar 2016 4:49 pm

Tgt Ion:276 Resp: 83

Ion	Ratio	Lower	Upper
276	100		
138	122.5	31.1	46.7#

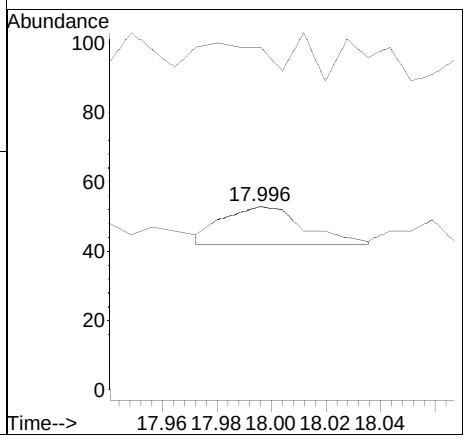


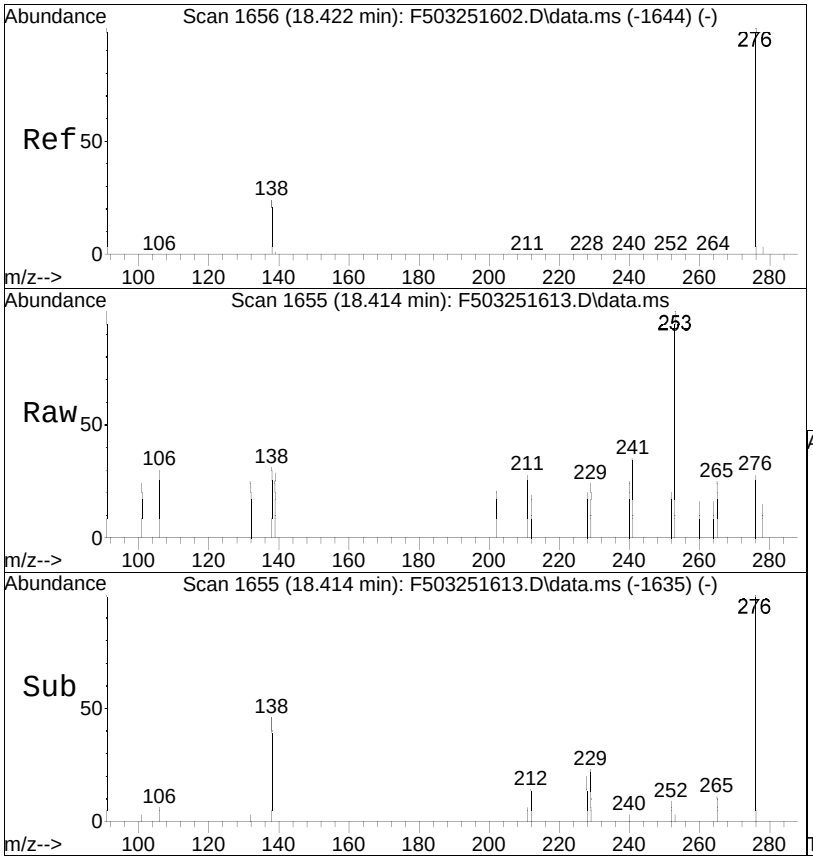


#38
Dibenz[a,h]anthracene
Concen: 5.01 ng/mL
RT: 17.996 min Scan# 1602
Delta R.T. 0.000 min
Lab File: F503251613.D
Acq: 25 Mar 2016 4:49 pm

Tgt Ion:278 Resp: 23

Ion	Ratio	Lower	Upper
278	100		
139	186.8	27.5	41.3#

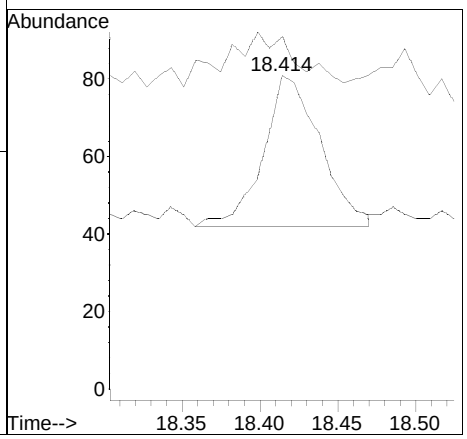




#39
Benzo[g,h,i]perylene
Concen: 0.52 ng/mL
RT: 18.414 min Scan# 1655
Delta R.T. -0.008 min
Lab File: F503251613.D
Acq: 25 Mar 2016 4:49 pm

Tgt Ion:276 Resp: 98

Ion	Ratio	Lower	Upper
276	100		
138	112.3	27.4	41.2#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251614.D
Acq On : 25 Mar 2016 5:20 pm
Operator : PAH5:sf
Sample : L1607846-06
Misc : WG877452,WG876674,ICAL12131
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 30 14:48:50 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.497	136	95427	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.239	164	44874	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.676	188	90142	500.000	ng/mL	0.00
24) Chrysene-d12	13.822	240	89722	500.000	ng/mL	0.00
29) Perylene-d12	16.189	264	85641	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.170	152	37184	342.518	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 6.85%#			
25) Pyrene-d10	12.141	212	62855	383.109	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 7.66%#			
31) Benzo[b]fluoranthene-d12	15.518	264	60215	407.895	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.16%#			
Target Compounds						Qvalue
2) Naphthalene	7.511	128	1520	7.486	ng/mL#	94
5) 2-Methylnaphthalene	8.198	142	257M4	1.901	ng/mL	
12) Acenaphthylene	9.090	152	89M4	1.682	ng/mL	
13) Acenaphthene	9.274	153	78M3	0.598	ng/mL	
15) Fluorene	9.763	166	113M3	0.787	ng/mL	
19) Phenanthrene	10.691	178	416M4	1.884	ng/mL	
20) Anthracene	10.739	178	41	N.D.		
23) Fluoranthene	11.904	202	328M4	1.411	ng/mL	
26) Pyrene	12.157	202	289M3	1.117	ng/mL	
27) Benz[a]anthracene	13.798	228	66	N.D.		
28) Chrysene	13.853	228	128M3	0.579	ng/mL	
32) Benzo[b]fluoranthene	15.558	252	119M3	0.555	ng/mL	
33) Benzo[k]fluoranthene	15.589	252	84	N.D.		
35) Benzo[a]pyrene	16.086	252	73	N.D.		
37) Indeno[1,2,3-cd]pyrene	17.956	276	80M4	6.872	ng/mL	
38) Dibenz[a,h]anthracene	0.000		0	N.D. d		
39) Benzo[g,h,i]perylene	18.422	276	94	N.D.		

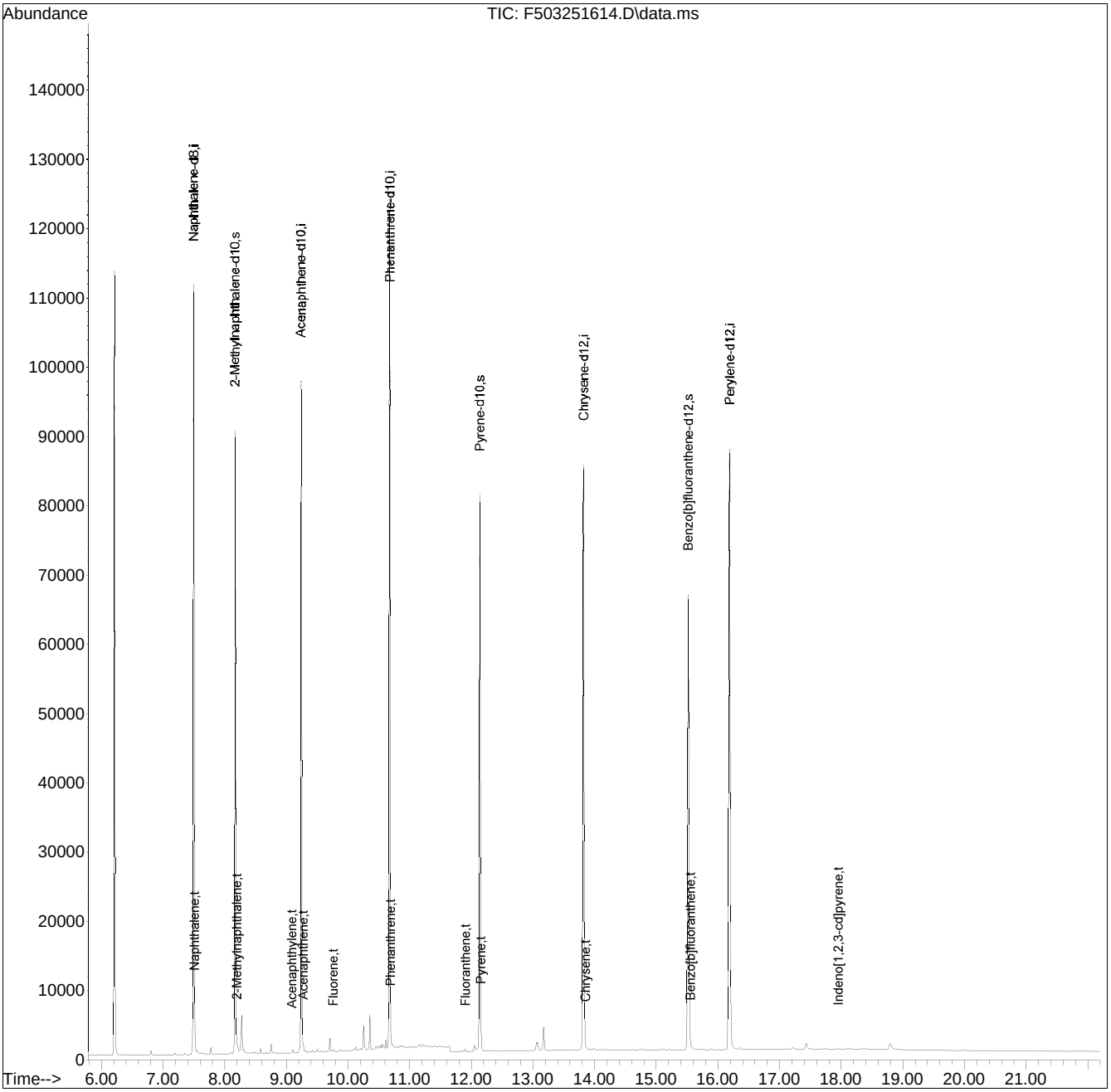
(#) = qualifier out of range (m) = manual integration (+) = signals summed

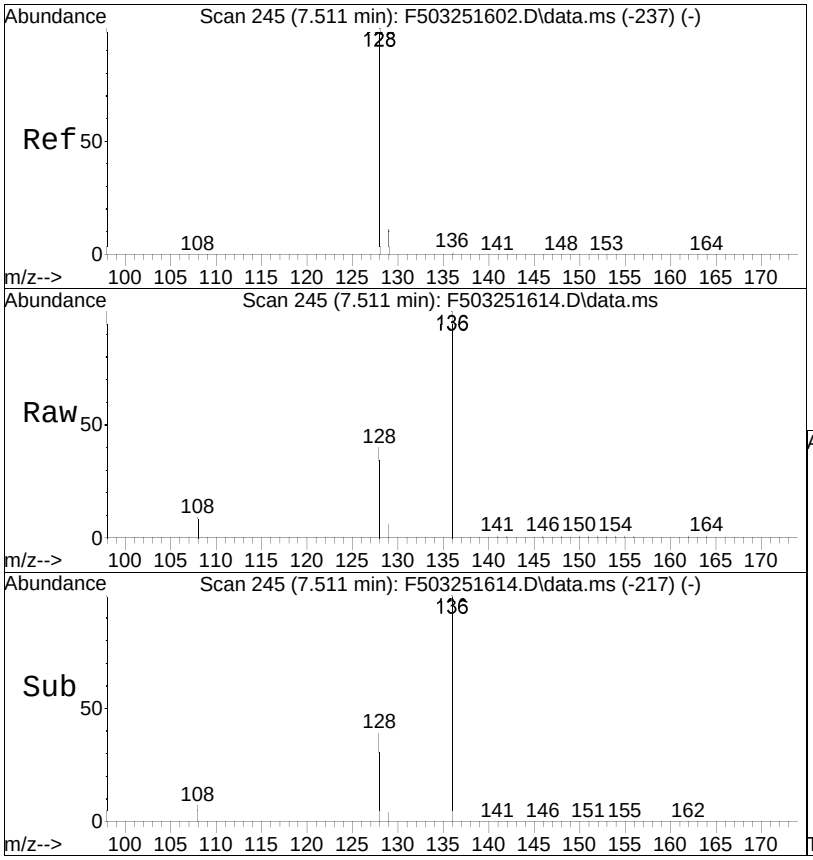
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251614.D
Acq On : 25 Mar 2016 5:20 pm
Operator : PAH5:sf
Sample : L1607846-06
Misc : WG877452,WG876674,ICAL12131
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 30 14:48:50 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

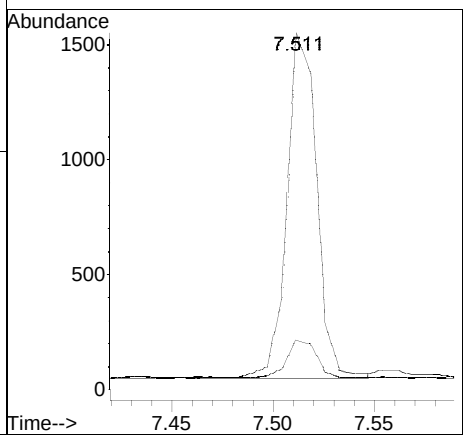


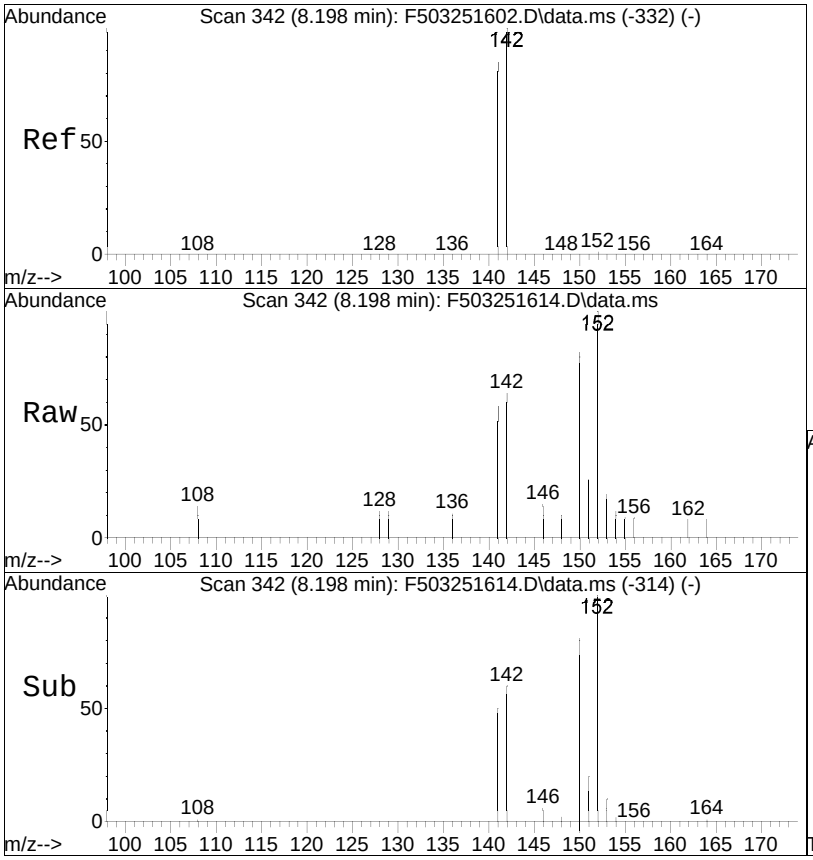


#2
Naphthalene
Concen: 7.49 ng/mL
RT: 7.511 min Scan# 245
Delta R.T. 0.000 min
Lab File: F503251614.D
Acq: 25 Mar 2016 5:20 pm

Tgt Ion:128 Resp: 1520

Ion	Ratio	Lower	Upper
128	100		
129	14.0	9.2	13.8#

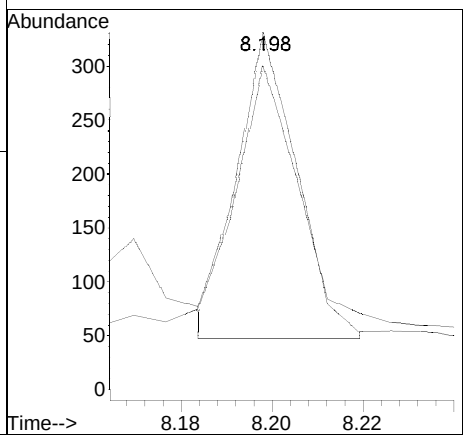


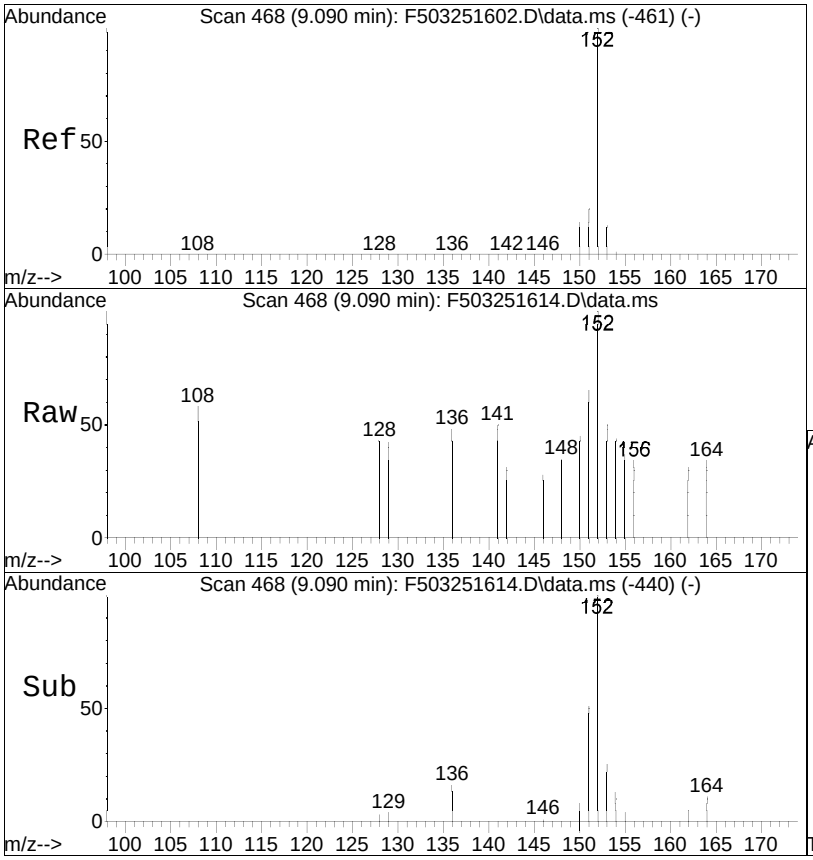


#5
2-Methylnaphthalene
Concen: 1.90 ng/mL M4
RT: 8.198 min Scan# 342
Delta R.T. 0.000 min
Lab File: F503251614.D
Acq: 25 Mar 2016 5:20 pm

Tgt Ion:142 Resp: 257

Ion	Ratio	Lower	Upper
142	100		
141	90.9	70.9	106.3

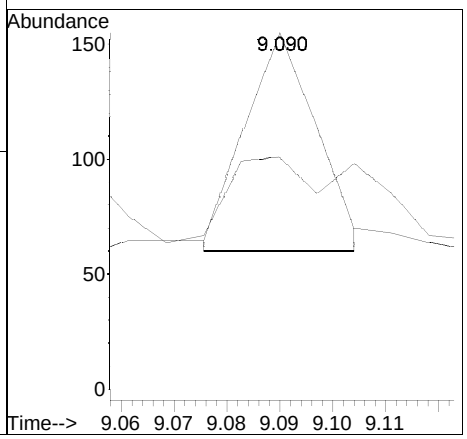


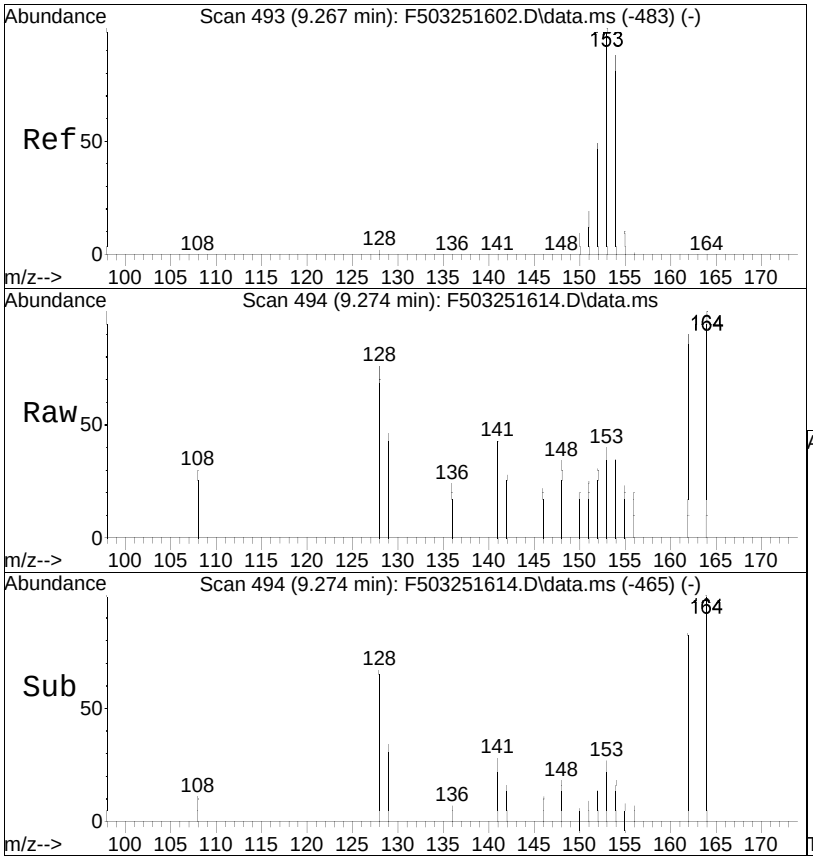


#12
Acenaphthylene
Concen: 1.68 ng/mL M4
RT: 9.090 min Scan# 468
Delta R.T. 0.000 min
Lab File: F503251614.D
Acq: 25 Mar 2016 5:20 pm

Tgt Ion:152 Resp: 89

Ion	Ratio	Lower	Upper
152	100		
151	65.2	16.1	24.1#

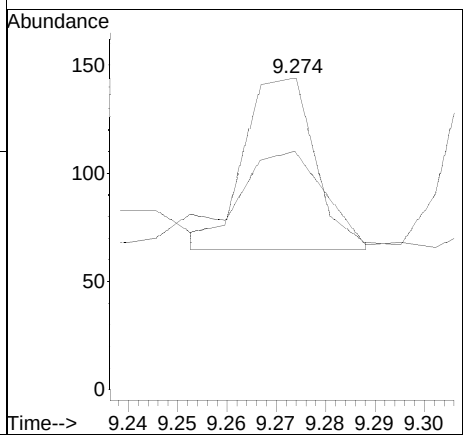


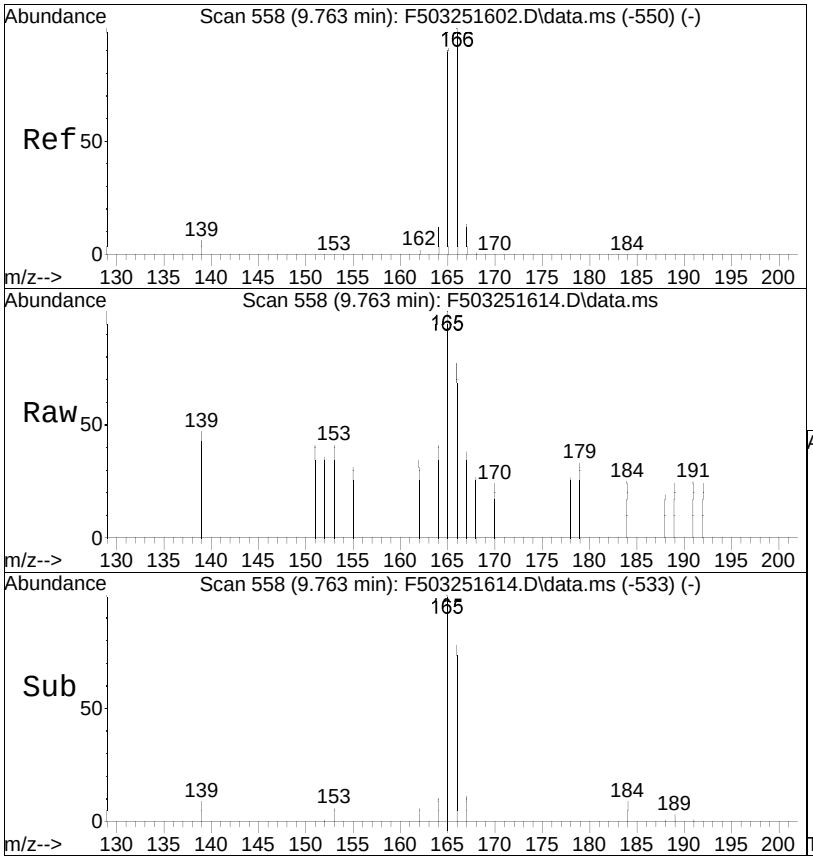


#13
Acenaphthene
Concen: 0.60 ng/mL M3
RT: 9.274 min Scan# 494
Delta R.T. 0.007 min
Lab File: F503251614.D
Acq: 25 Mar 2016 5:20 pm

Tgt Ion:153 Resp: 78

Ion	Ratio	Lower	Upper
153	100		
152	76.4	37.8	56.8#

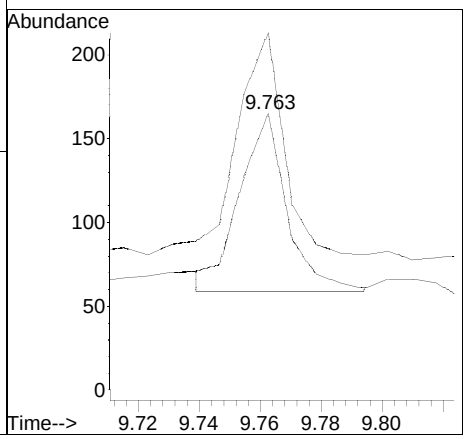


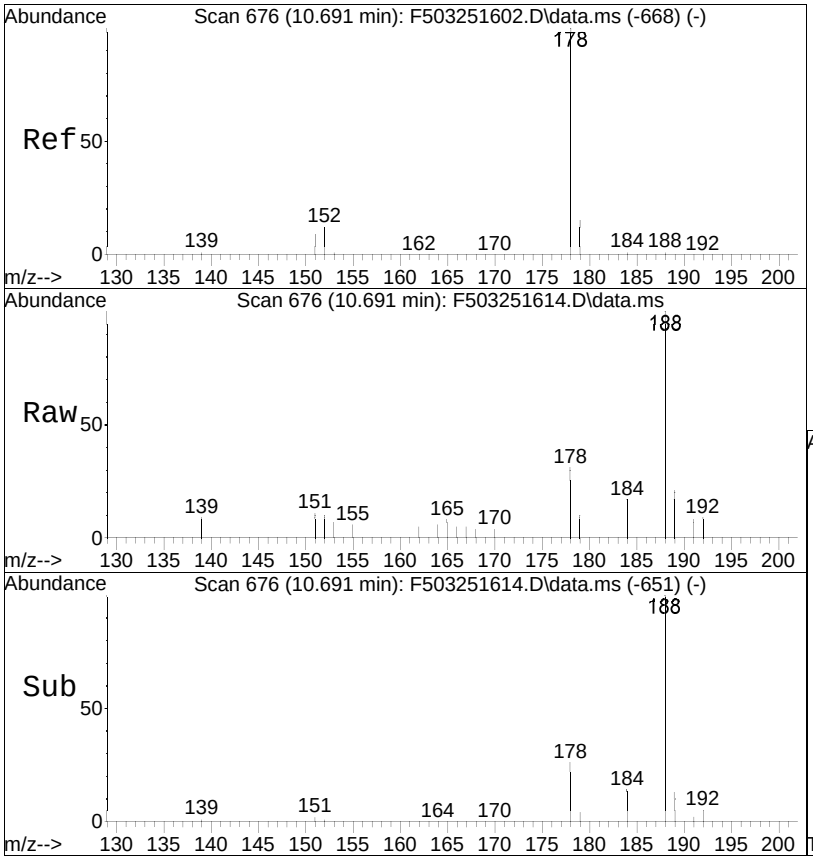


#15
Fluorene
Concen: 0.79 ng/mL M3
RT: 9.763 min Scan# 558
Delta R.T. 0.000 min
Lab File: F503251614.D
Acq: 25 Mar 2016 5:20 pm

Tgt Ion:166 Resp: 113

Ion	Ratio	Lower	Upper
166	100		
165	129.1	77.3	115.9#

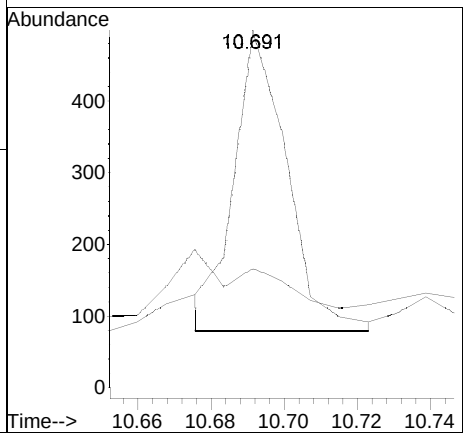


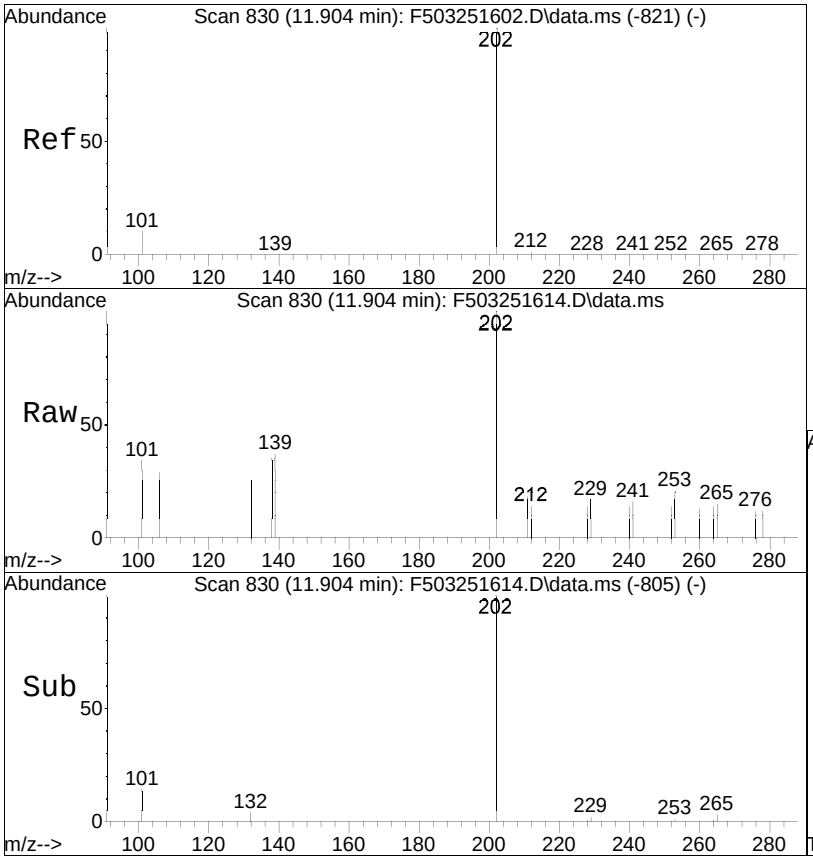


#19
Phenanthrene
Concen: 1.88 ng/mL M4
RT: 10.691 min Scan# 676
Delta R.T. 0.000 min
Lab File: F503251614.D
Acq: 25 Mar 2016 5:20 pm

Tgt Ion:178 Resp: 416

Ion	Ratio	Lower	Upper
178	100		
179	33.3	12.4	18.6#

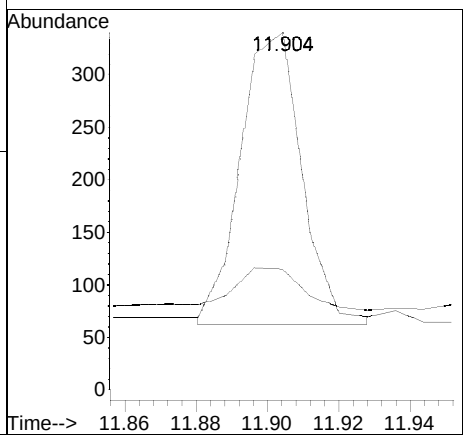


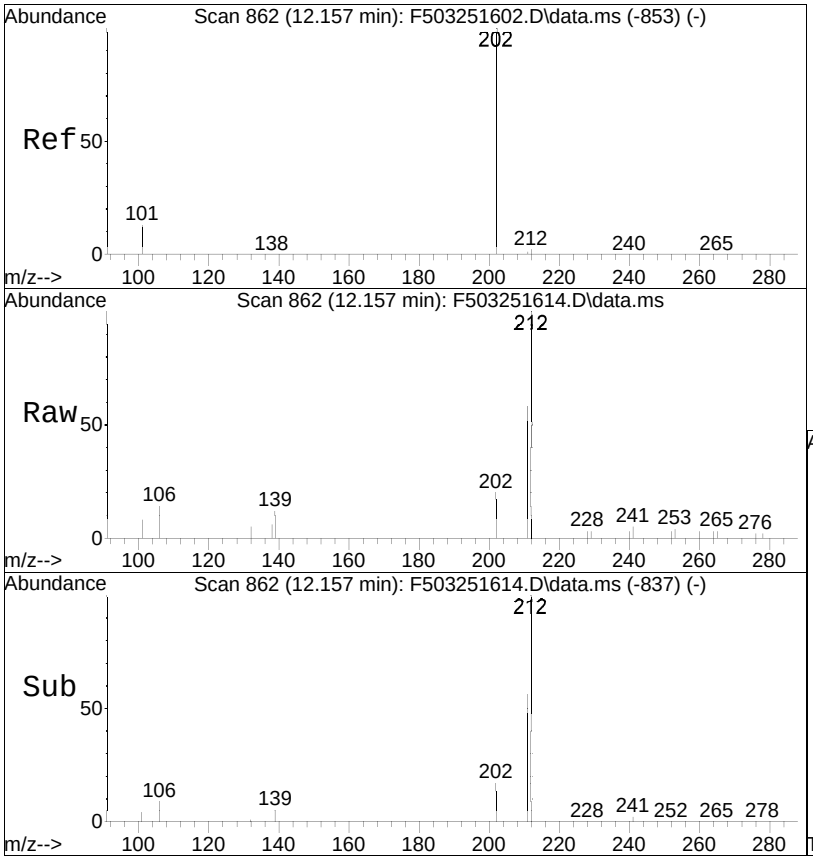


#23
Fluoranthene
Concen: 1.41 ng/mL M4
RT: 11.904 min Scan# 830
Delta R.T. 0.000 min
Lab File: F503251614.D
Acq: 25 Mar 2016 5:20 pm

Tgt Ion:202 Resp: 328

Ion	Ratio	Lower	Upper
202	100		
101	33.8	12.6	19.0#

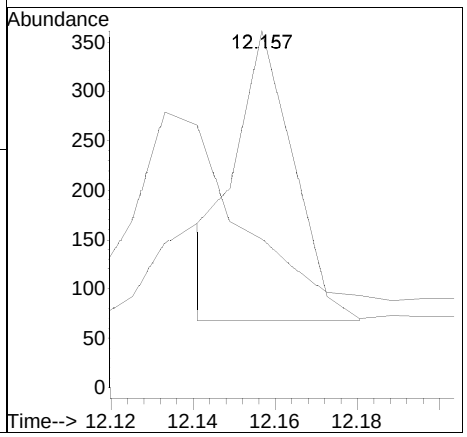


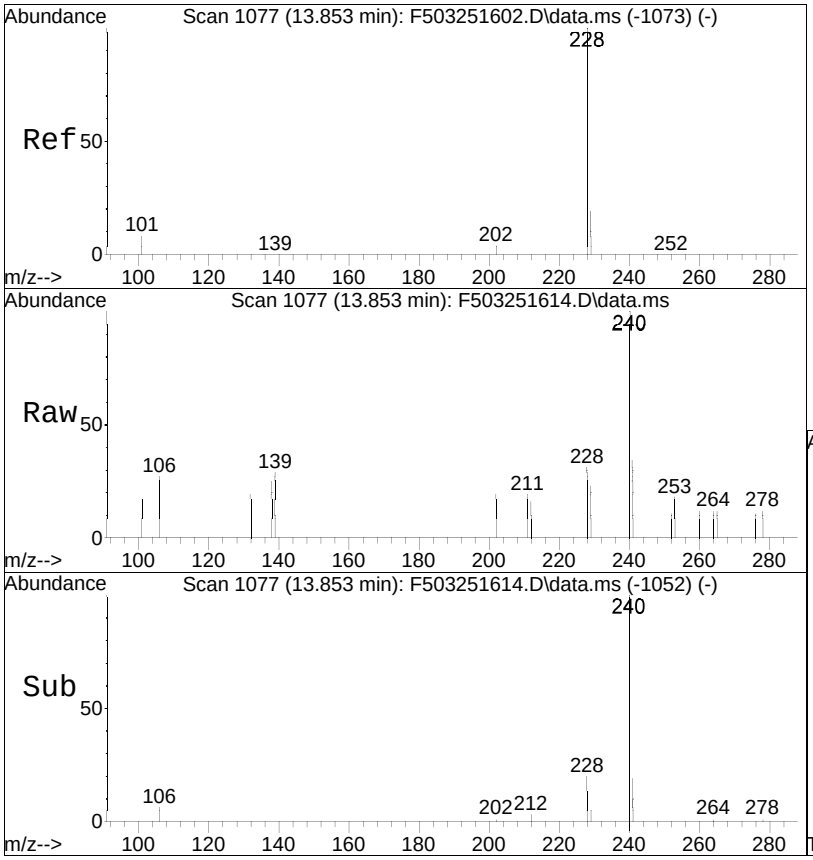


#26
Pyrene
Concen: 1.12 ng/mL M3
RT: 12.157 min Scan# 862
Delta R.T. 0.000 min
Lab File: F503251614.D
Acq: 25 Mar 2016 5:20 pm

Tgt Ion:202 Resp: 289

Ion	Ratio	Lower	Upper
202	100		
101	41.8	14.4	21.6#

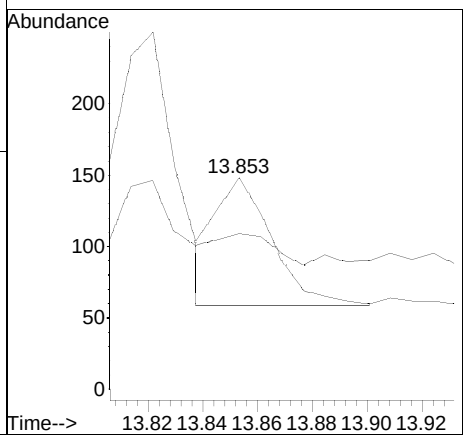


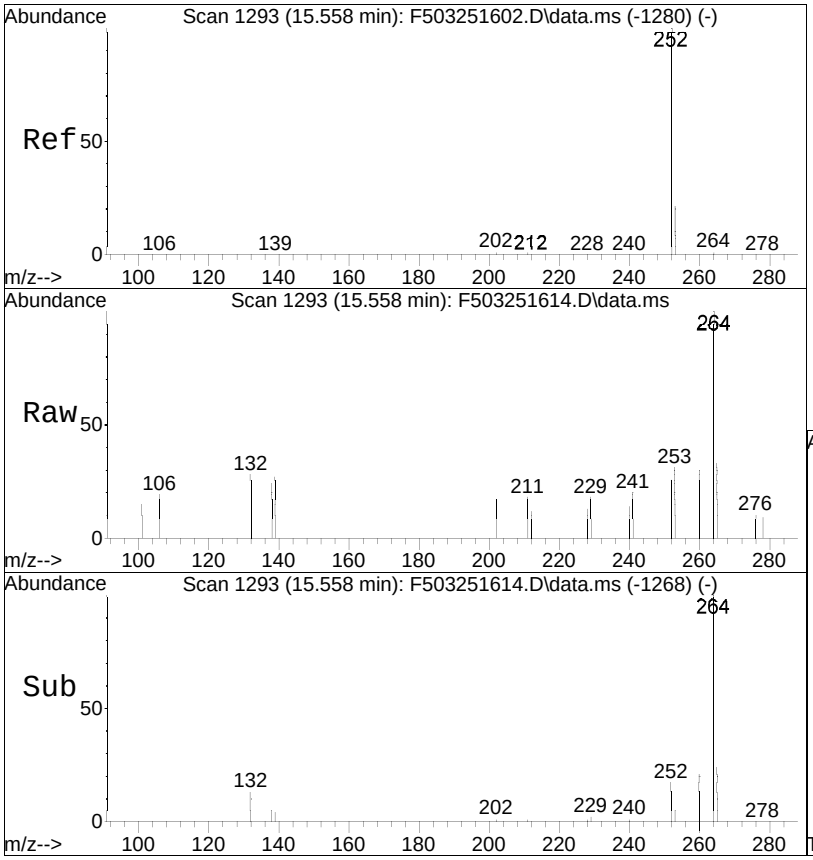


#28
Chrysene
Concen: 0.58 ng/mL M3
RT: 13.853 min Scan# 1077
Delta R.T. 0.000 min
Lab File: F503251614.D
Acq: 25 Mar 2016 5:20 pm

Tgt Ion:228 Resp: 128

Ion	Ratio	Lower	Upper
228	100		
229	73.6	16.1	24.1#

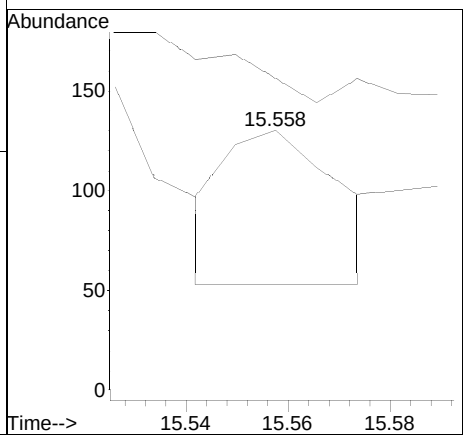


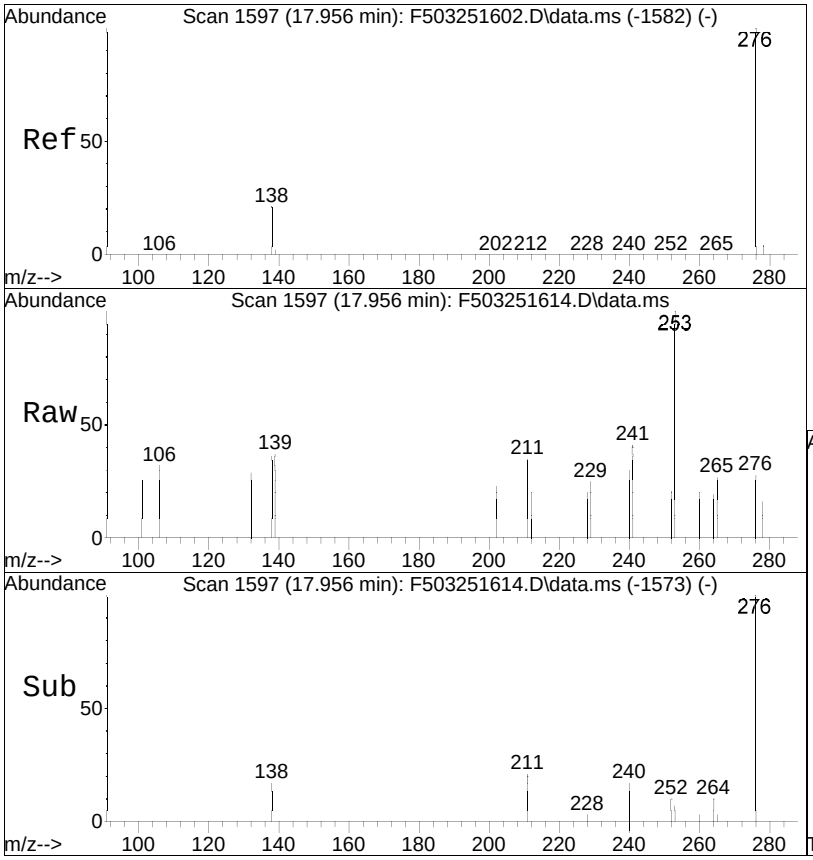


#32
Benzo[b]fluoranthene
Concen: 0.55 ng/mL M3
RT: 15.558 min Scan# 1293
Delta R.T. 0.000 min
Lab File: F503251614.D
Acq: 25 Mar 2016 5:20 pm

Tgt Ion:252 Resp: 119

Ion	Ratio	Lower	Upper
252	100		
253	120.0	18.2	27.4#

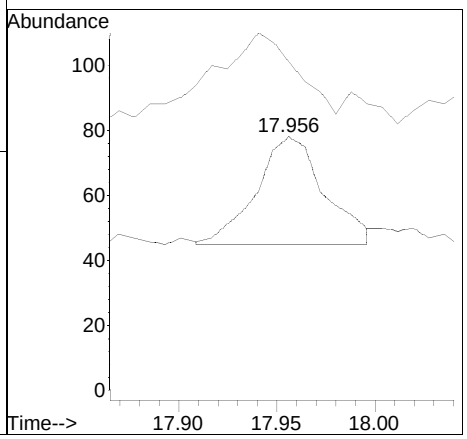




#37
Indeno[1,2,3-cd]pyrene
Concen: 6.87 ng/mL M4
RT: 17.956 min Scan# 1597
Delta R.T. 0.000 min
Lab File: F503251614.D
Acq: 25 Mar 2016 5:20 pm

Tgt Ion:276 Resp: 80

Ion	Ratio	Lower	Upper
276	100		
138	129.5	31.1	46.7#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251615.D
Acq On : 25 Mar 2016 5:49 pm
Operator : PAH5:sf
Sample : L1607846-07
Misc : WG877452,WG876674,ICAL12131
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 30 14:48:53 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.490	136	80284	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.239	164	39116	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.676	188	82295	500.000	ng/mL	0.00
24) Chrysene-d12	13.814	240	88968	500.000	ng/mL	0.00
29) Perylene-d12	16.189	264	86706	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.170	152	30263	331.345	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 6.63%#			
25) Pyrene-d10	12.133	212	60211	370.104	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 7.40%#			
31) Benzo[b]fluoranthene-d12	15.518	264	60552	405.140	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.10%#			
Target Compounds						Qvalue
2) Naphthalene	7.512	128	889	5.204	ng/mL#	91
5) 2-Methylnaphthalene	8.198	142	144M4	1.266	ng/mL	
12) Acenaphthylene	9.090	152	62	1.592	ng/mL#	1
13) Acenaphthene	9.267	153	69M4	0.607	ng/mL	
15) Fluorene	9.755	166	90M3	0.720	ng/mL	
19) Phenanthrene	10.692	178	419M4	2.079	ng/mL	
20) Anthracene	10.739	178	51	N.D.		
23) Fluoranthene	11.904	202	322M4	1.517	ng/mL	
26) Pyrene	12.157	202	282M3	1.099	ng/mL	
27) Benz[a]anthracene	13.798	228	107M3	0.523	ng/mL	
28) Chrysene	13.853	228	159	0.726	ng/mL#	4
32) Benzo[b]fluoranthene	15.558	252	225M4	1.036	ng/mL	
33) Benzo[k]fluoranthene	15.589	252	170M3	0.870	ng/mL	
35) Benzo[a]pyrene	16.086	252	98	N.D.		
37) Indeno[1,2,3-cd]pyrene	17.956	276	144M4	7.188	ng/mL	
38) Dibenz[a,h]anthracene	18.004	278	46M4	5.116	ng/mL	
39) Benzo[g,h,i]perylene	18.414	276	133	0.689	ng/mL#	1

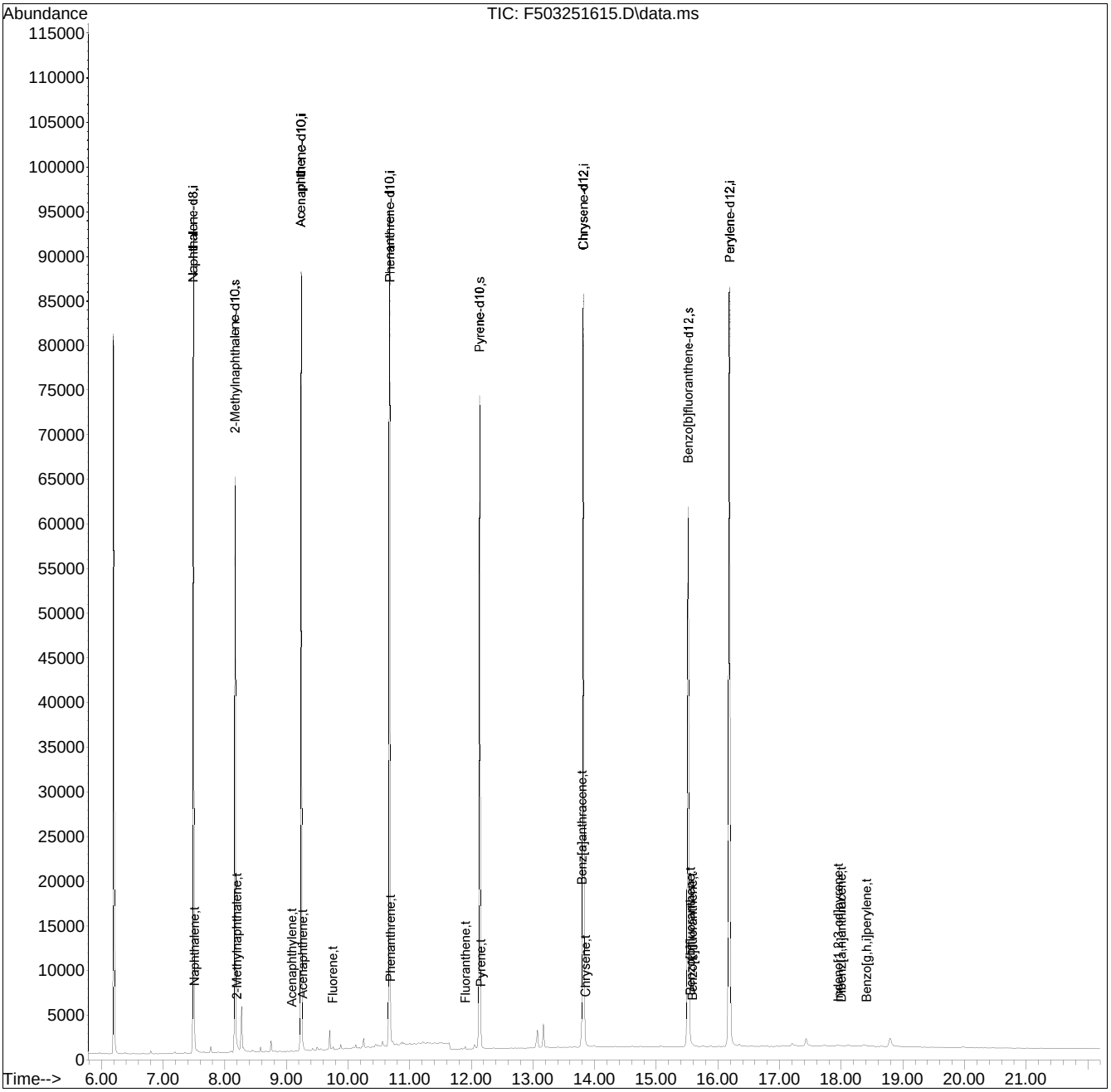
(#) = qualifier out of range (m) = manual integration (+) = signals summed

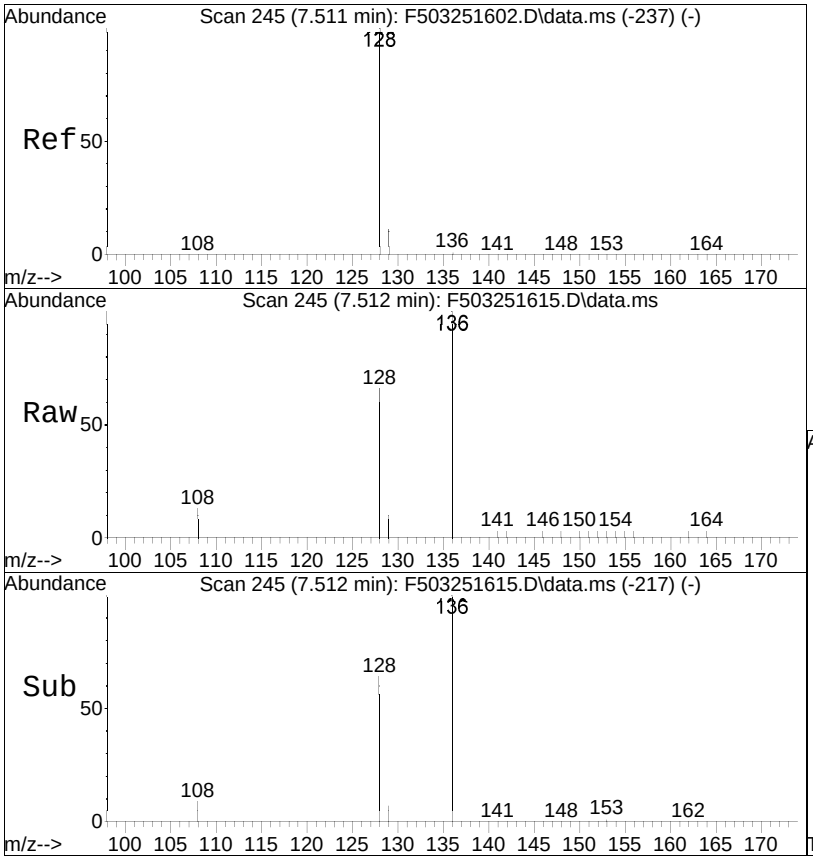
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251615.D
Acq On : 25 Mar 2016 5:49 pm
Operator : PAH5:sf
Sample : L1607846-07
Misc : WG877452,WG876674,ICAL12131
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 30 14:48:53 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

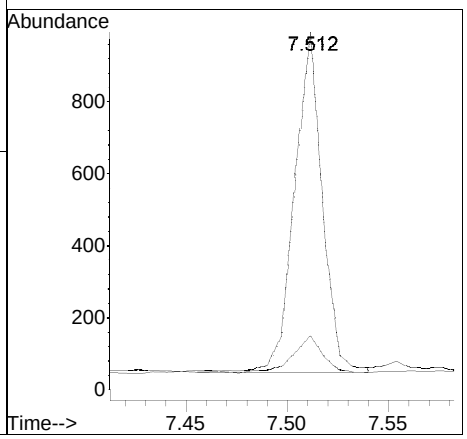


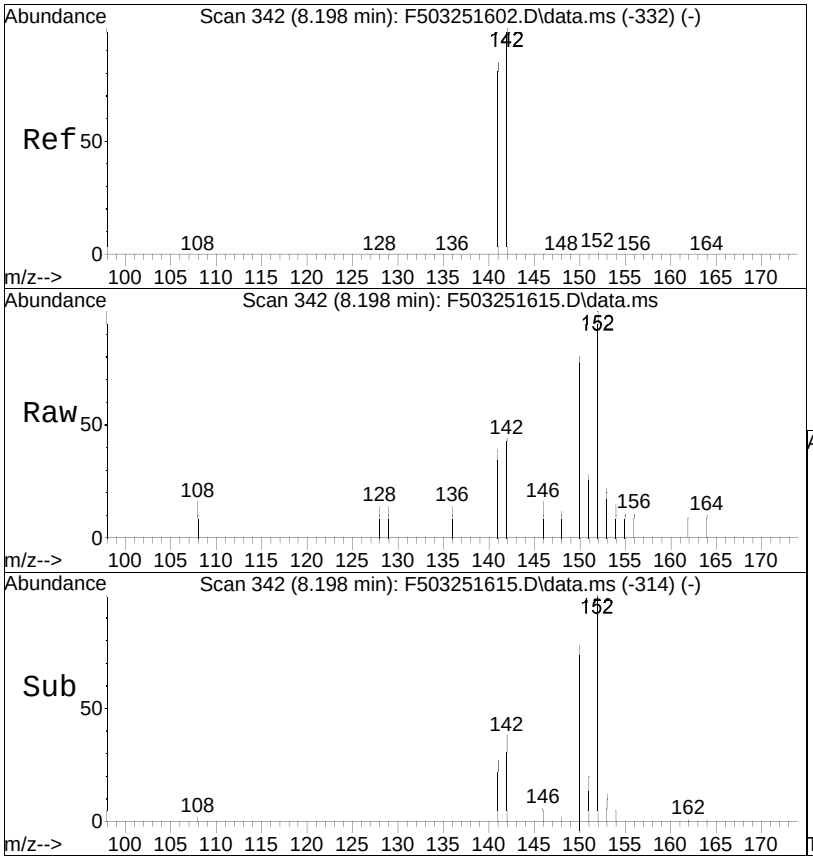


#2
Naphthalene
Concen: 5.20 ng/mL
RT: 7.512 min Scan# 245
Delta R.T. 0.000 min
Lab File: F503251615.D
Acq: 25 Mar 2016 5:49 pm

Tgt Ion:128 Resp: 889

Ion	Ratio	Lower	Upper
128	100		
129	15.1	9.2	13.8#

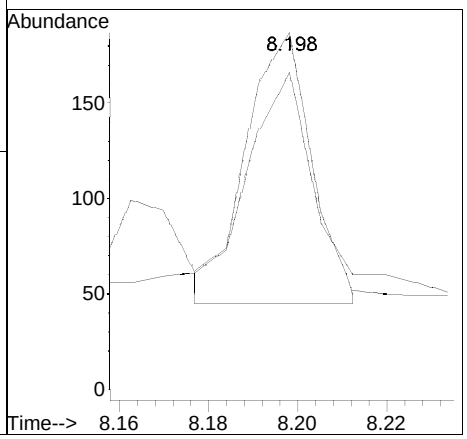


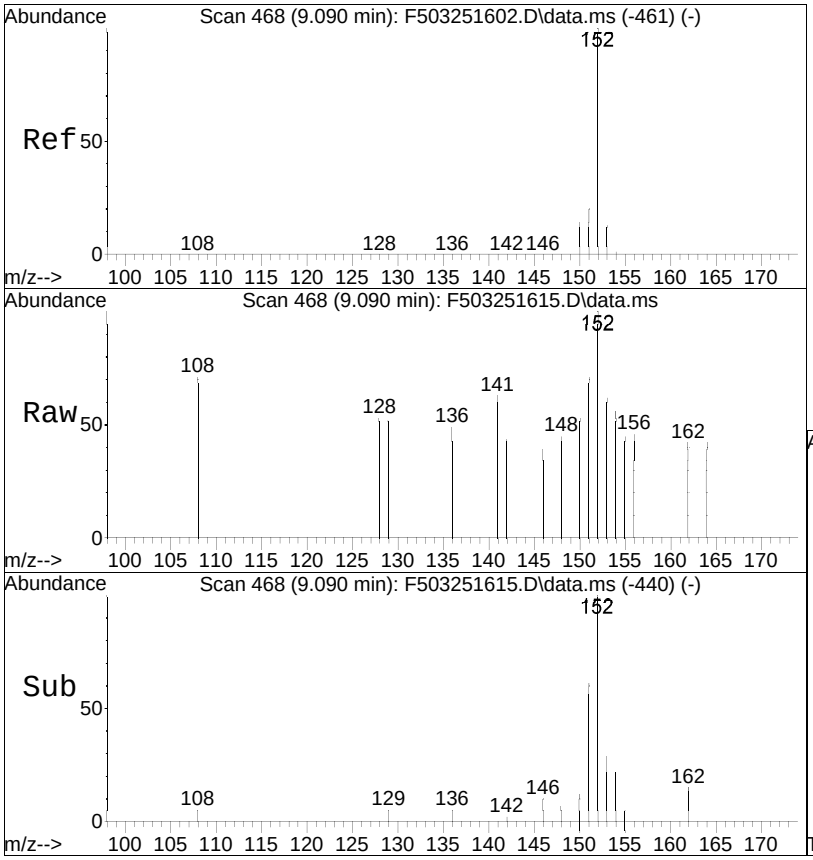


#5
2-Methylnaphthalene
Concen: 1.27 ng/mL M4
RT: 8.198 min Scan# 342
Delta R.T. 0.000 min
Lab File: F503251615.D
Acq: 25 Mar 2016 5:49 pm

Tgt Ion:142 Resp: 144

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.9	106.3

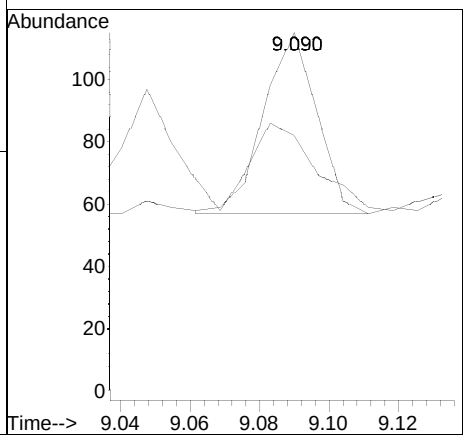


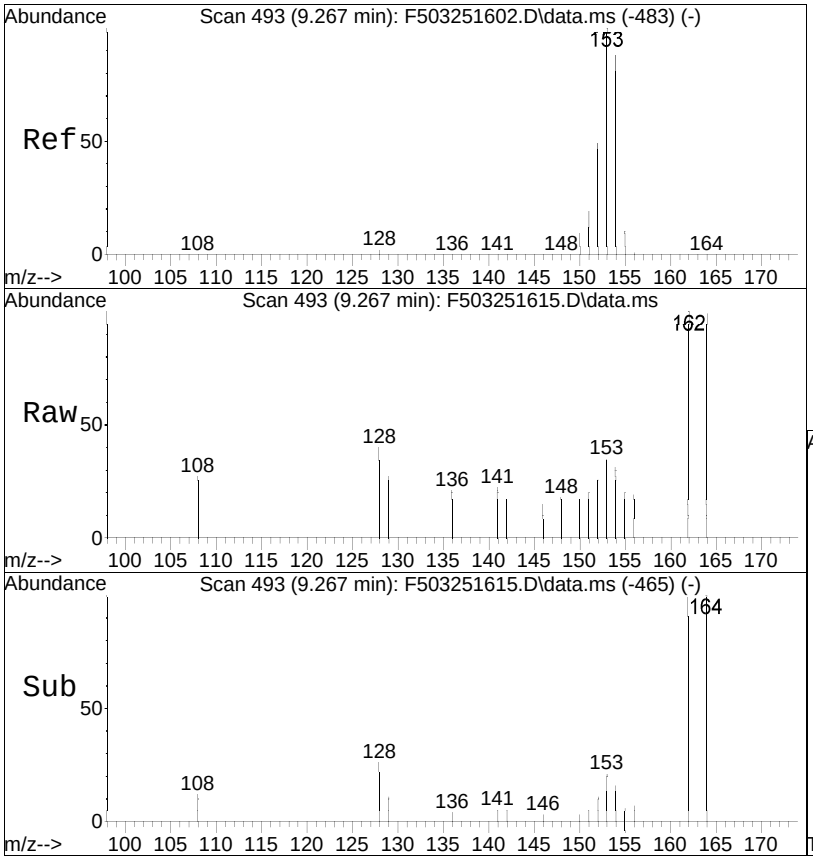


#12
Acenaphthylene
Concen: 1.59 ng/mL
RT: 9.090 min Scan# 468
Delta R.T. 0.000 min
Lab File: F503251615.D
Acq: 25 Mar 2016 5:49 pm

Tgt Ion:152 Resp: 62

Ion	Ratio	Lower	Upper
152	100		
151	71.3	16.1	24.1#

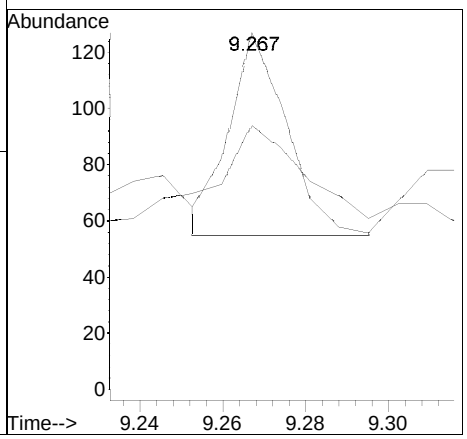


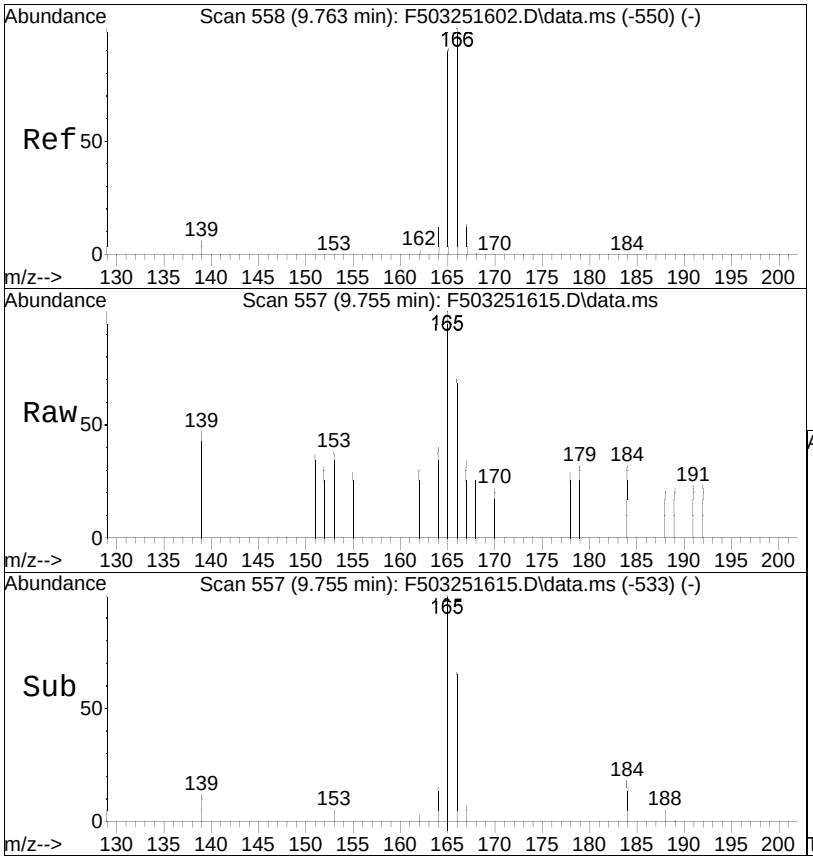


#13
Acenaphthene
Concen: 0.61 ng/mL M4
RT: 9.267 min Scan# 493
Delta R.T. 0.000 min
Lab File: F503251615.D
Acq: 25 Mar 2016 5:49 pm

Tgt Ion:153 Resp: 69

Ion	Ratio	Lower	Upper
153	100		
152	74.0	37.8	56.8#

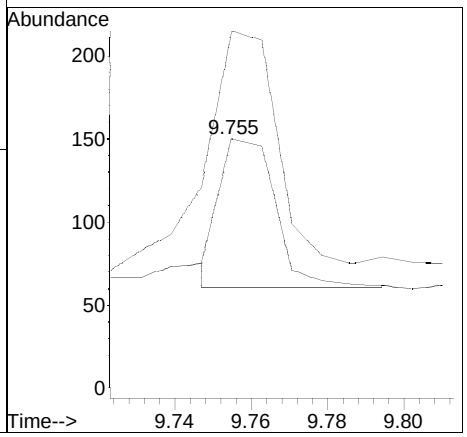


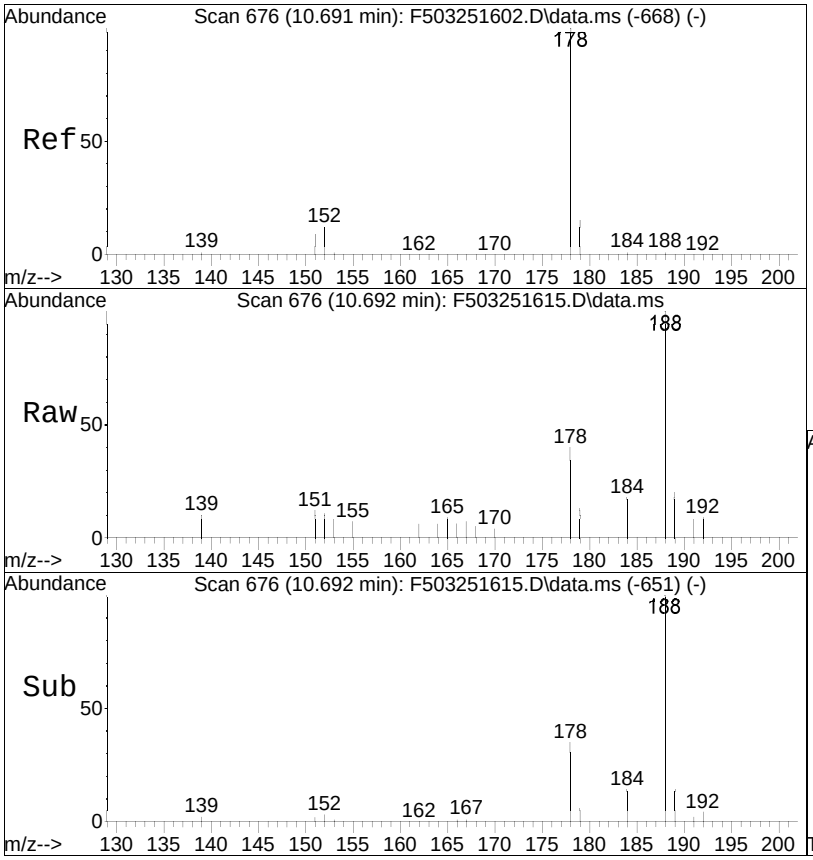


#15
Fluorene
Concen: 0.72 ng/mL M3
RT: 9.755 min Scan# 557
Delta R.T. -0.008 min
Lab File: F503251615.D
Acq: 25 Mar 2016 5:49 pm

Tgt Ion:166 Resp: 90

Ion	Ratio	Lower	Upper
166	100		
165	143.3	77.3	115.9#

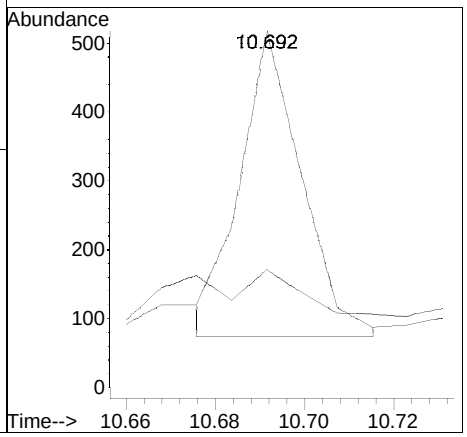


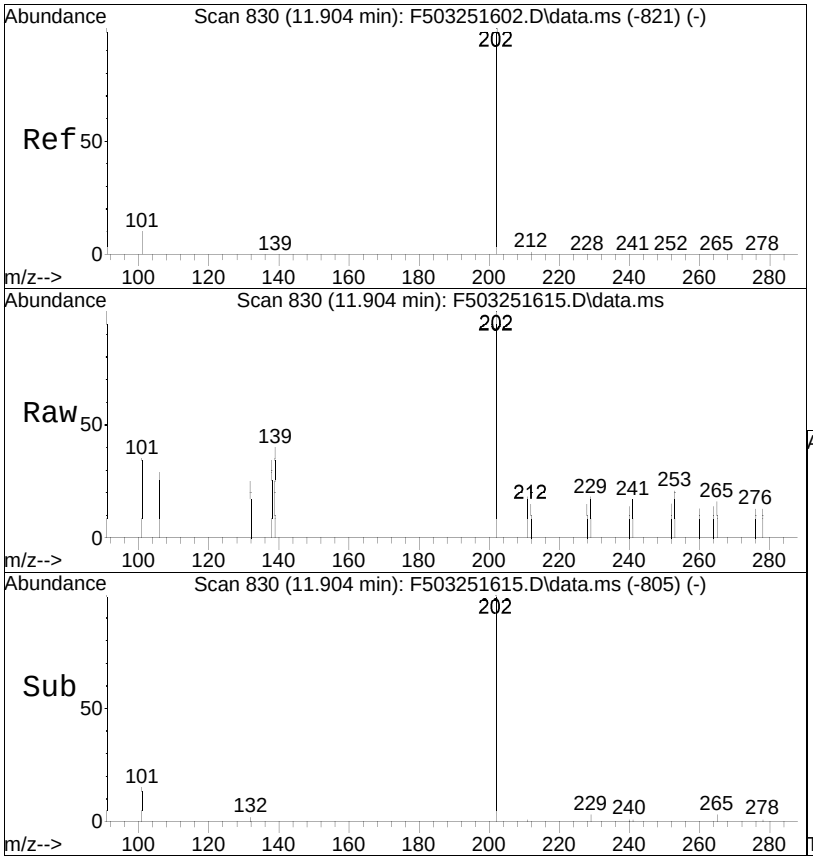


#19
Phenanthrene
Concen: 2.08 ng/mL M4
RT: 10.692 min Scan# 676
Delta R.T. 0.000 min
Lab File: F503251615.D
Acq: 25 Mar 2016 5:49 pm

Tgt Ion:178 Resp: 419

Ion	Ratio	Lower	Upper
178	100		
179	33.0	12.4	18.6#

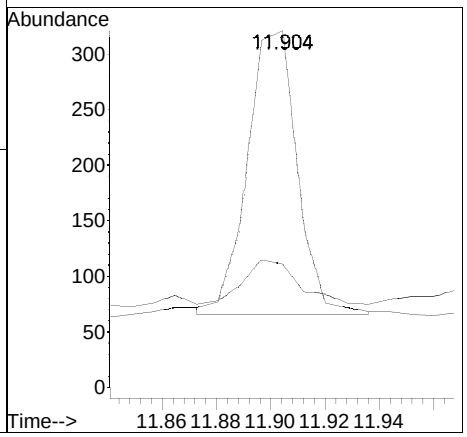


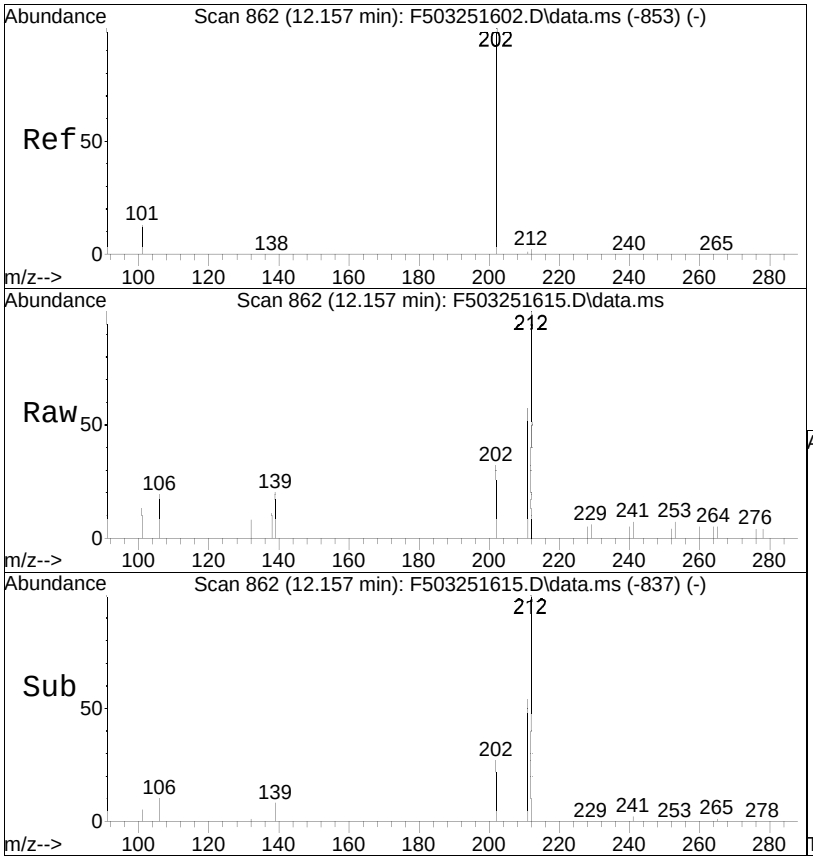


#23
Fluoranthene
Concen: 1.52 ng/mL M4
RT: 11.904 min Scan# 830
Delta R.T. 0.000 min
Lab File: F503251615.D
Acq: 25 Mar 2016 5:49 pm

Tgt Ion:202 Resp: 322

Ion	Ratio	Lower	Upper
202	100		
101	34.6	12.6	19.0#

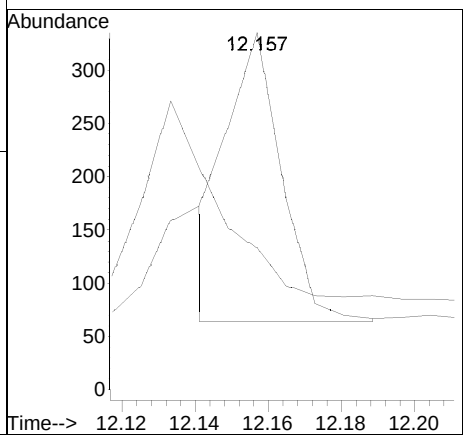


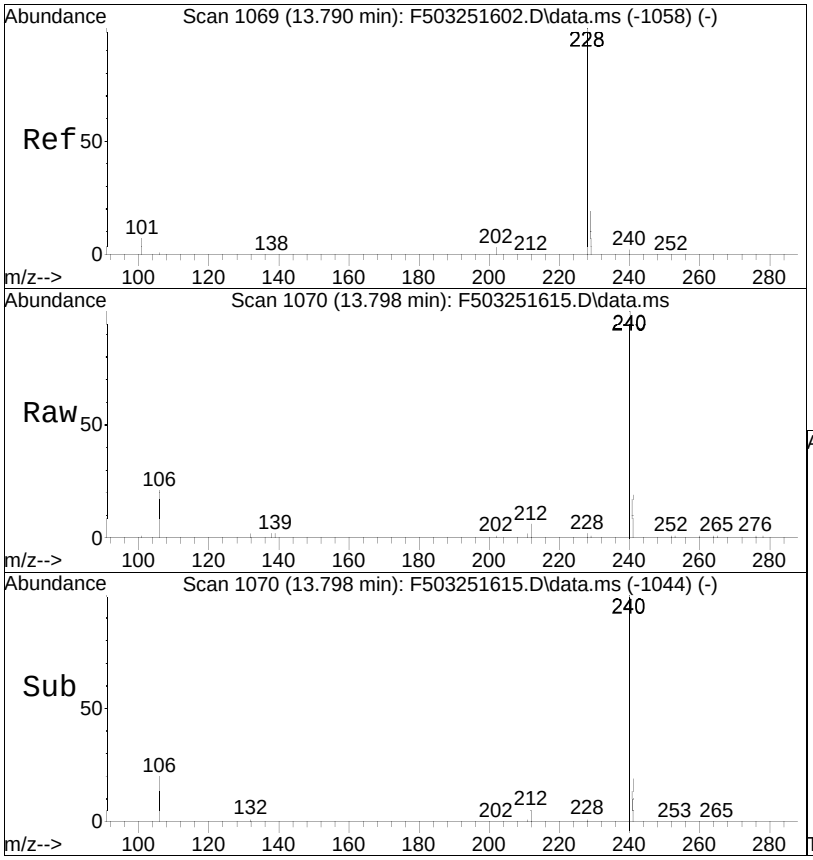


#26
Pyrene
Concen: 1.10 ng/mL M3
RT: 12.157 min Scan# 862
Delta R.T. 0.000 min
Lab File: F503251615.D
Acq: 25 Mar 2016 5:49 pm

Tgt Ion:202 Resp: 282

Ion	Ratio	Lower	Upper
202	100		
101	39.7	14.4	21.6#

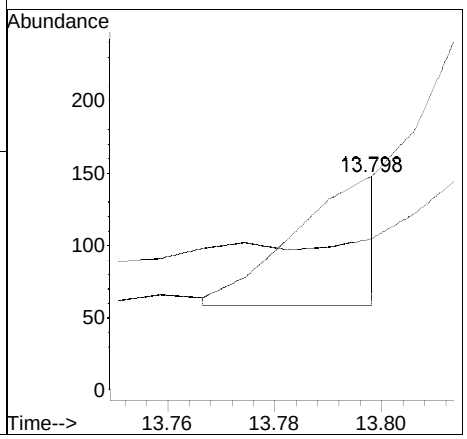


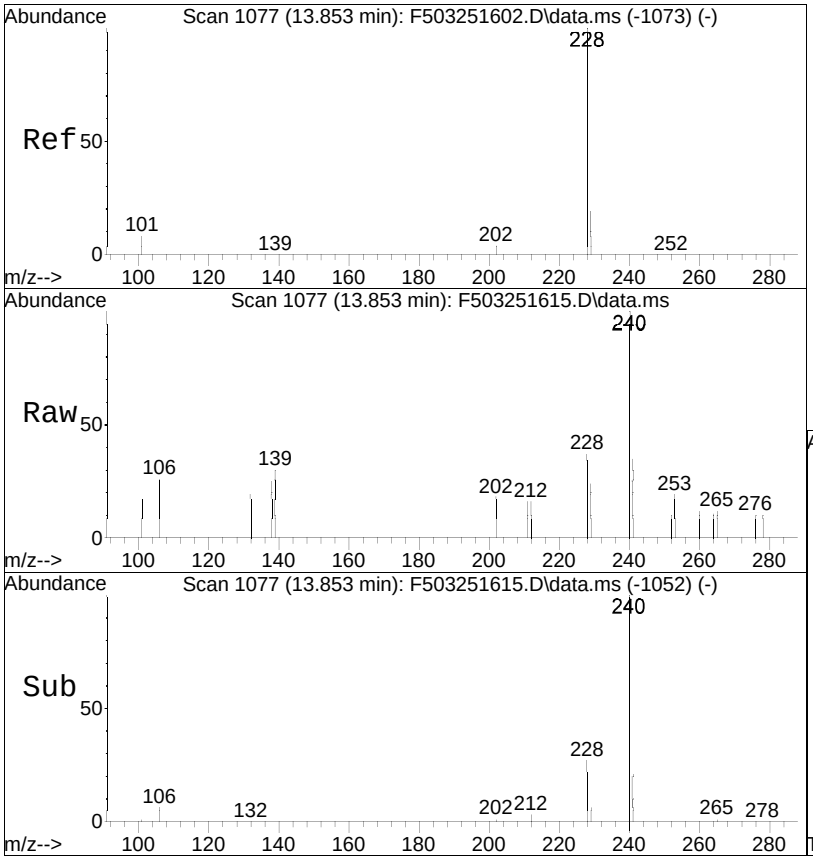


#27
Benz[a]anthracene
Concen: 0.52 ng/mL M3
RT: 13.798 min Scan# 1070
Delta R.T. 0.008 min
Lab File: F503251615.D
Acq: 25 Mar 2016 5:49 pm

Tgt Ion:228 Resp: 107

Ion	Ratio	Lower	Upper
228	100		
229	70.9	16.2	24.2#

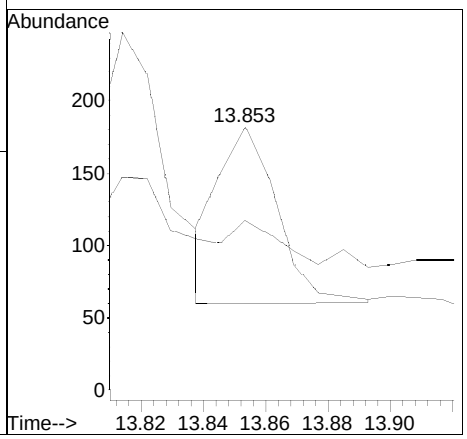


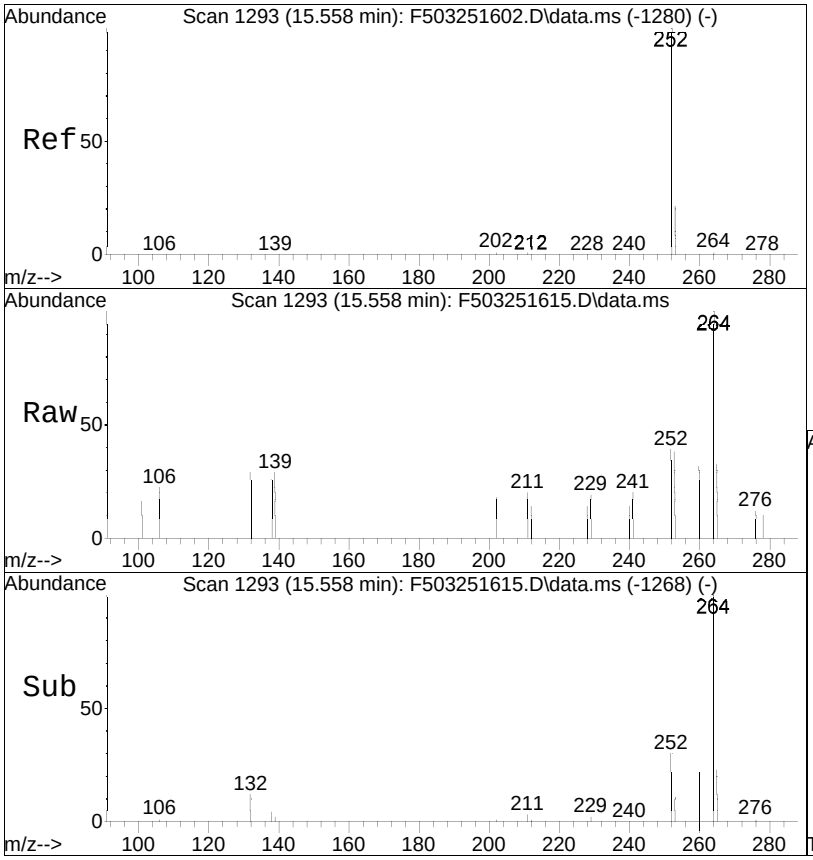


#28
Chrysene
Concen: 0.73 ng/mL
RT: 13.853 min Scan# 1077
Delta R.T. 0.000 min
Lab File: F503251615.D
Acq: 25 Mar 2016 5:49 pm

Tgt Ion:228 Resp: 159

Ion	Ratio	Lower	Upper
228	100		
229	64.3	16.1	24.1#

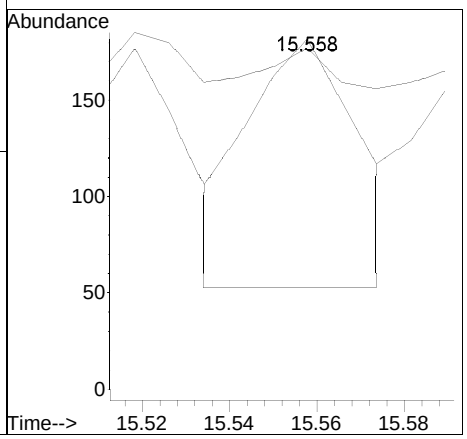


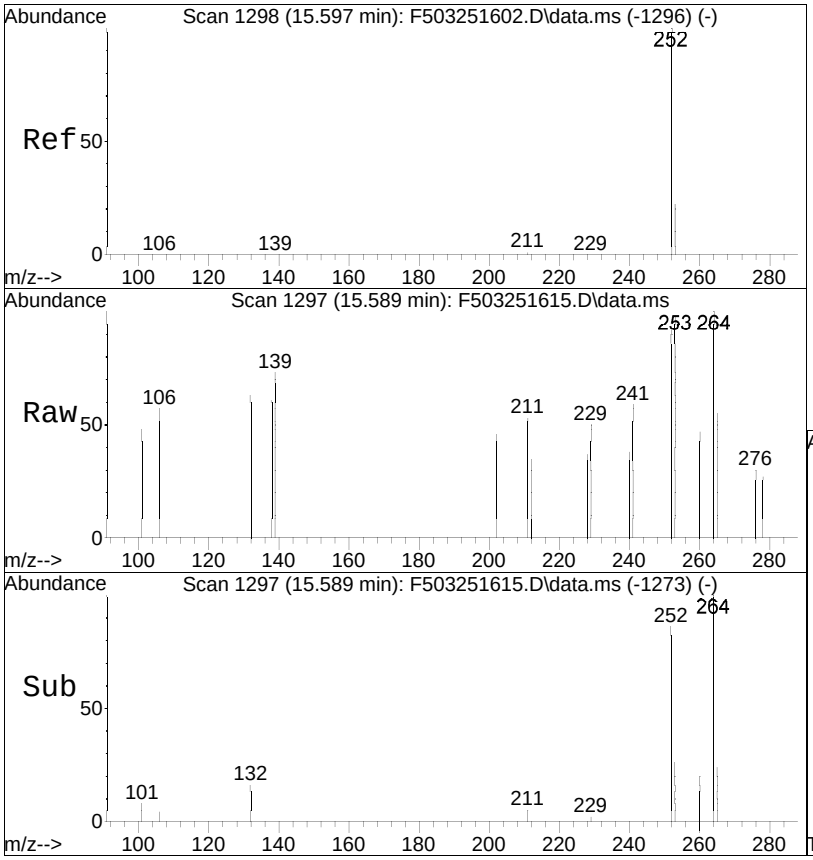


#32
Benzo[b]fluoranthene
Concen: 1.04 ng/mL M4
RT: 15.558 min Scan# 1293
Delta R.T. 0.000 min
Lab File: F503251615.D
Acq: 25 Mar 2016 5:49 pm

Tgt Ion:252 Resp: 225

Ion	Ratio	Lower	Upper
252	100		
253	97.3	18.2	27.4#

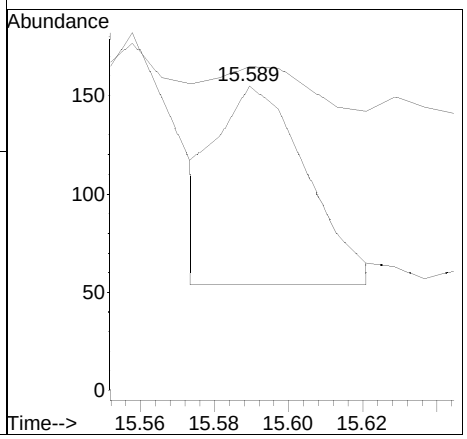


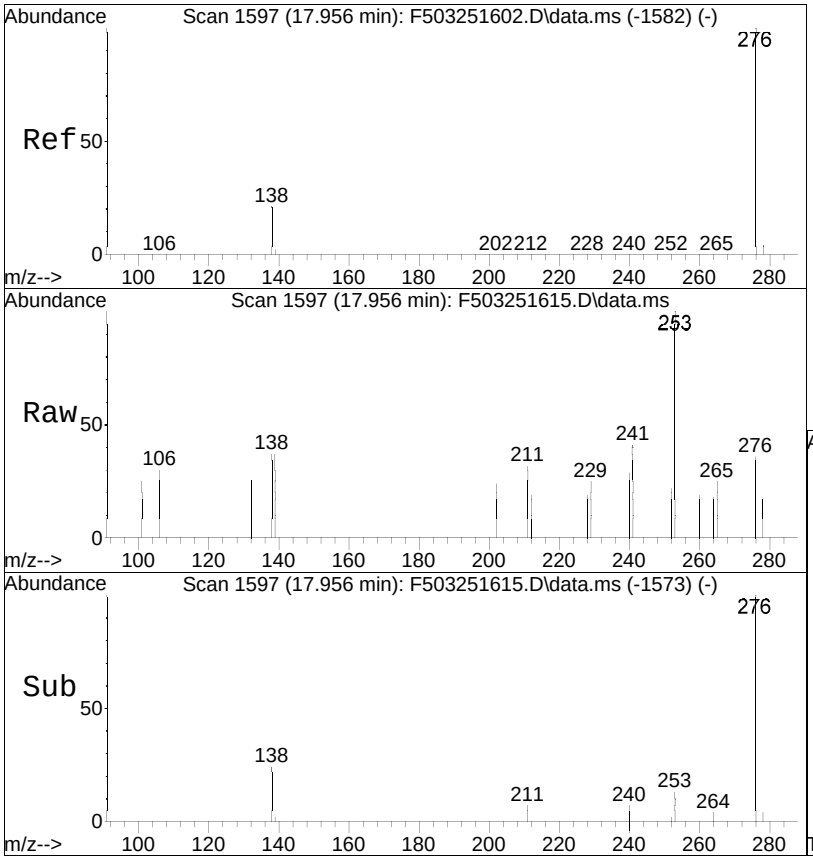


#33
Benzo[k]fluoranthene
Concen: 0.87 ng/mL M3
RT: 15.589 min Scan# 1297
Delta R.T. -0.008 min
Lab File: F503251615.D
Acq: 25 Mar 2016 5:49 pm

Tgt Ion:252 Resp: 170

Ion	Ratio	Lower	Upper
252	100		
253	106.5	18.2	27.2#

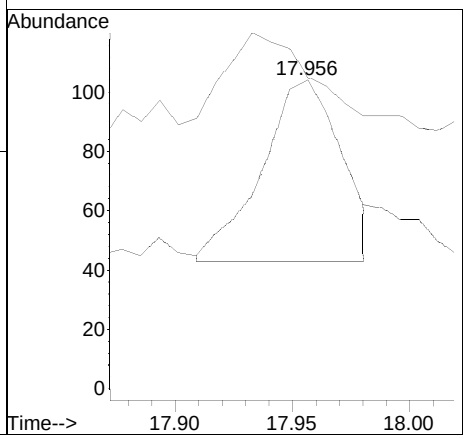


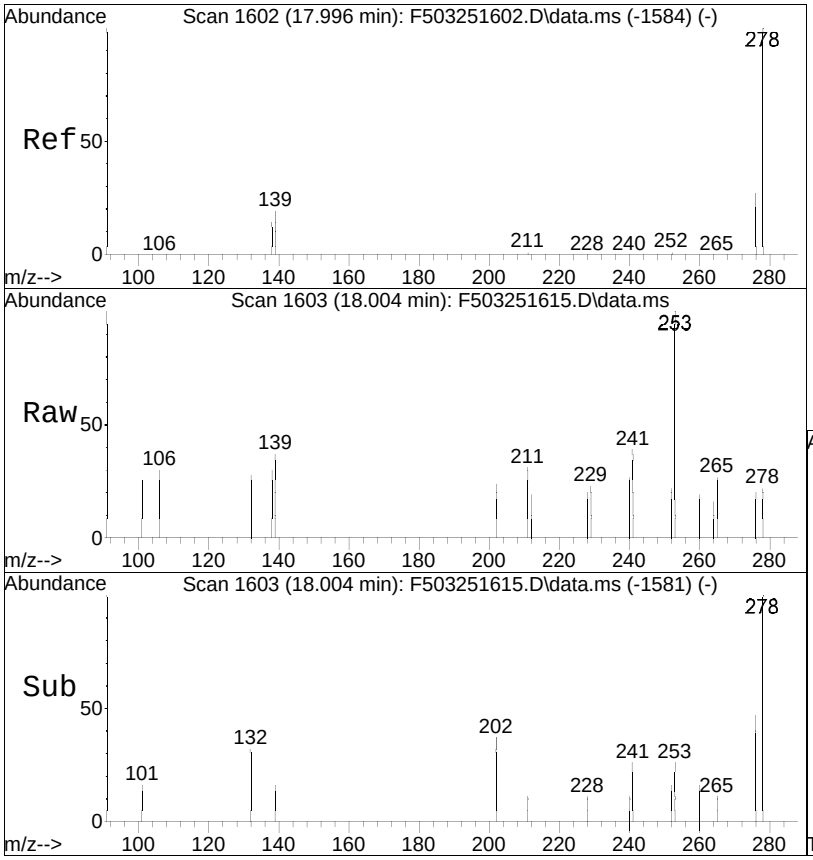


#37
Indeno[1,2,3-cd]pyrene
Concen: 7.19 ng/mL M4
RT: 17.956 min Scan# 1597
Delta R.T. 0.000 min
Lab File: F503251615.D
Acq: 25 Mar 2016 5:49 pm

Tgt Ion:276 Resp: 144

Ion	Ratio	Lower	Upper
276	100		
138	101.0	31.1	46.7#

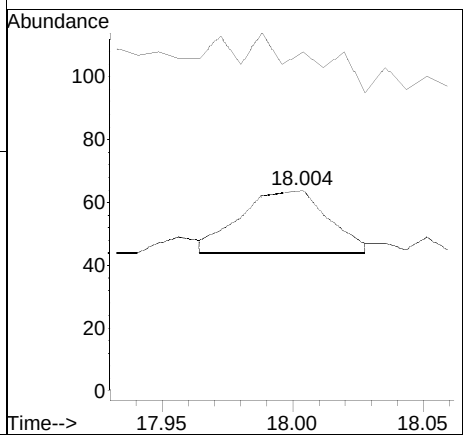


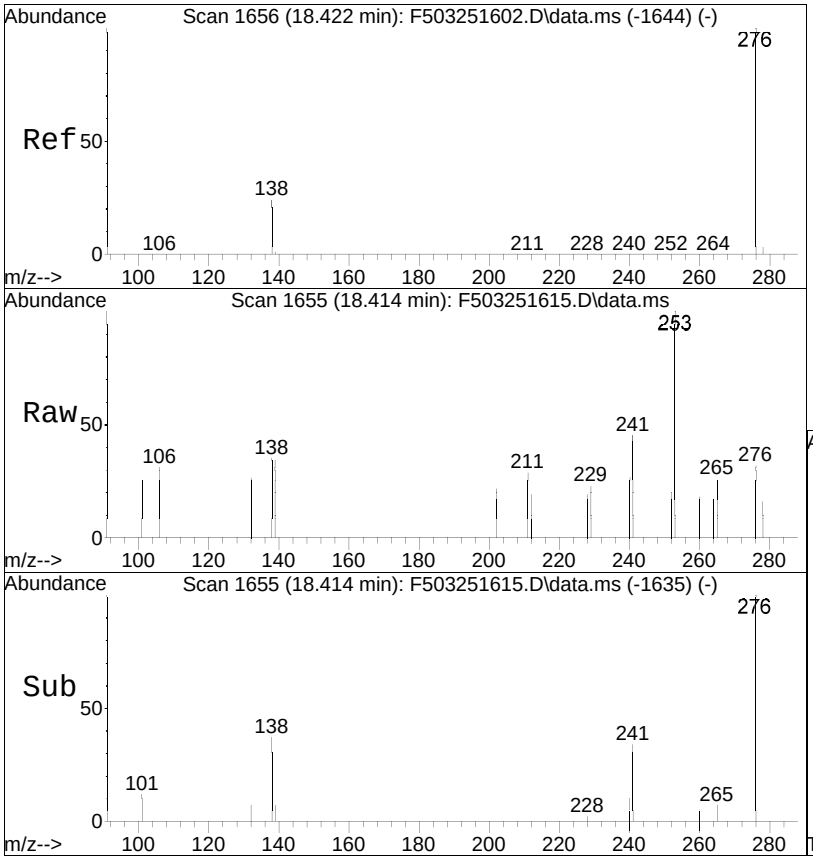


#38
Dibenz[a,h]anthracene
Concen: 5.12 ng/mL M4
RT: 18.004 min Scan# 1603
Delta R.T. 0.008 min
Lab File: F503251615.D
Acq: 25 Mar 2016 5:49 pm

Tgt Ion:278 Resp: 46

Ion	Ratio	Lower	Upper
278	100		
139	168.8	27.5	41.3#

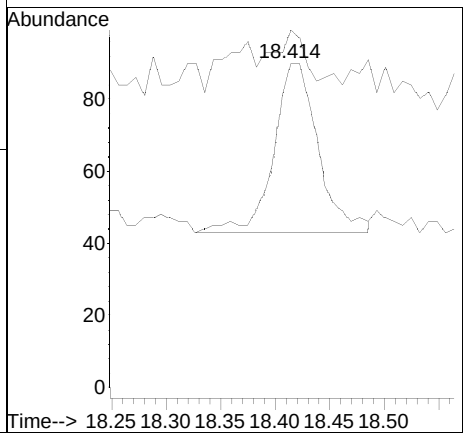




#39
Benzo[g,h,i]perylene
Concen: 0.69 ng/mL
RT: 18.414 min Scan# 1655
Delta R.T. -0.008 min
Lab File: F503251615.D
Acq: 25 Mar 2016 5:49 pm

Tgt Ion:276 Resp: 133

Ion	Ratio	Lower	Upper
276	100		
138	110.0	27.4	41.2#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251616.D
Acq On : 25 Mar 2016 6:20 pm
Operator : PAH5:sf
Sample : L1607846-08
Misc : WG877452,WG876674,ICAL12131
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 30 14:48:56 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.490	136	83048	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.238	164	40506	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.676	188	86106	500.000	ng/mL	0.00
24) Chrysene-d12	13.814	240	90594	500.000	ng/mL	0.00
29) Perylene-d12	16.189	264	86528	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.170	152	31729	335.834	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 6.72%#			
25) Pyrene-d10	12.141	212	61943	373.916	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 7.48%#			
31) Benzo[b]fluoranthene-d12	15.518	264	61006	409.017	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.18%#			
Target Compounds						Qvalue
2) Naphthalene	7.511	128	868	4.912	ng/mL#	89
5) 2-Methylnaphthalene	8.198	142	144	1.224	ng/mL	95
12) Acenaphthylene	9.090	152	68M4	1.613	ng/mL	
13) Acenaphthene	9.267	153	66M4	0.560	ng/mL	
15) Fluorene	9.763	166	102M4	0.787	ng/mL	
19) Phenanthrene	10.691	178	390M4	1.849	ng/mL	
20) Anthracene	10.739	178	30	N.D.		
23) Fluoranthene	11.904	202	283	1.274	ng/mL#	57
26) Pyrene	12.157	202	245M3	0.938	ng/mL	
27) Benz[a]anthracene	13.798	228	57	N.D.		
28) Chrysene	13.853	228	103	N.D.		
32) Benzo[b]fluoranthene	15.558	252	124M4	0.572	ng/mL	
33) Benzo[k]fluoranthene	15.589	252	97	N.D.		
35) Benzo[a]pyrene	16.086	252	65	N.D.		
37) Indeno[1,2,3-cd]pyrene	17.956	276	94M4	6.938	ng/mL	
38) Dibenz[a,h]anthracene	17.996	278	33M4	5.053	ng/mL	
39) Benzo[g,h,i]perylene	18.422	276	92	N.D.		

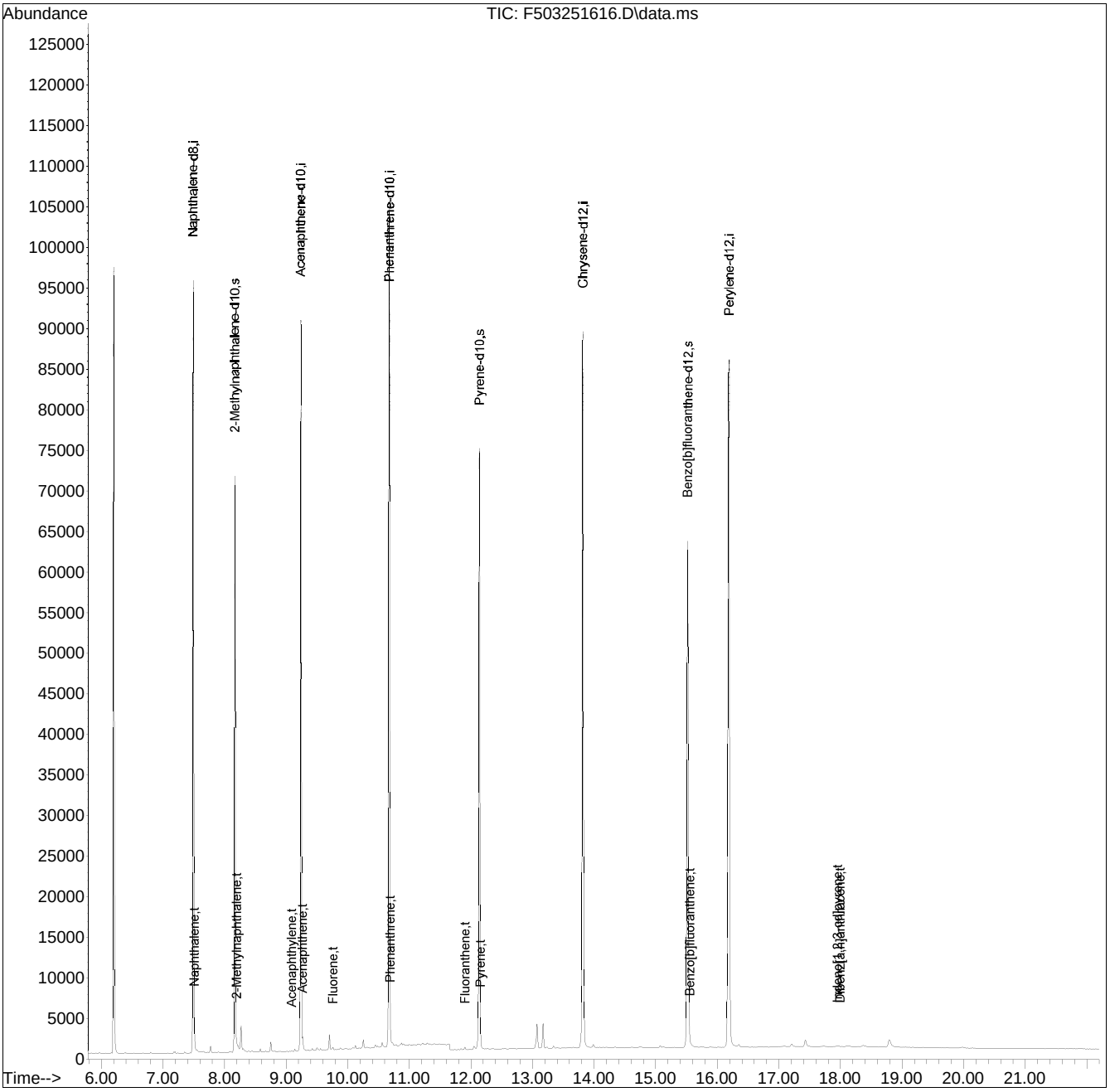
(#) = qualifier out of range (m) = manual integration (+) = signals summed

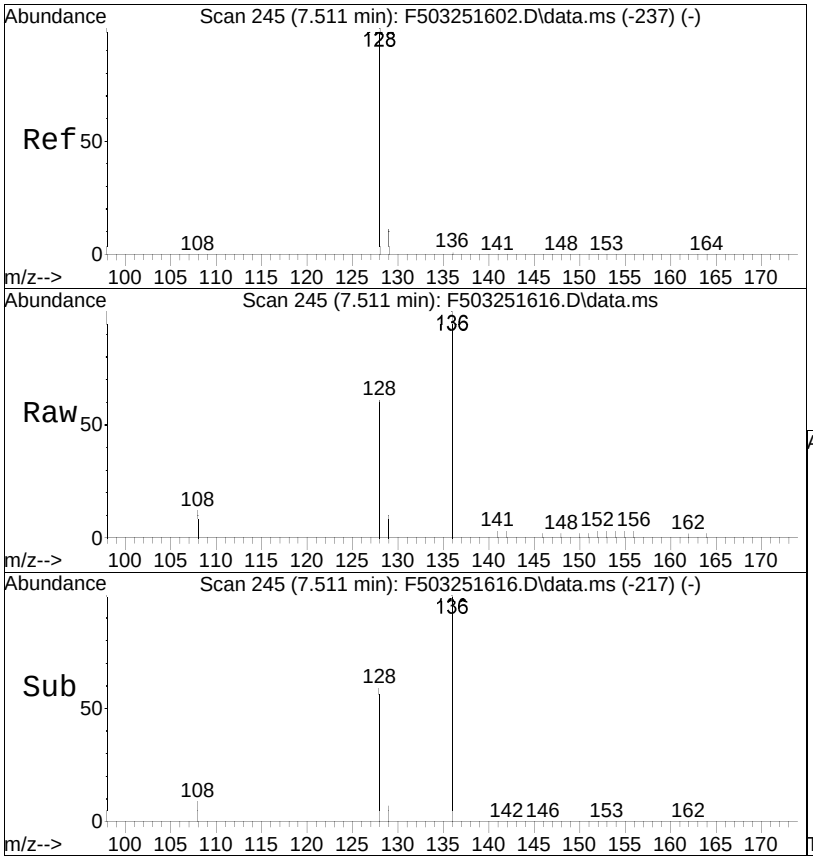
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251616.D
Acq On : 25 Mar 2016 6:20 pm
Operator : PAH5:sf
Sample : L1607846-08
Misc : WG877452,WG876674,ICAL12131
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 30 14:48:56 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

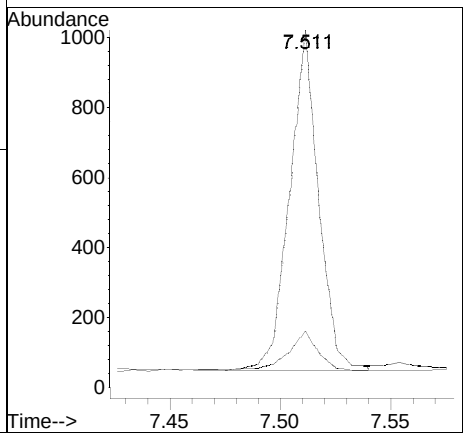


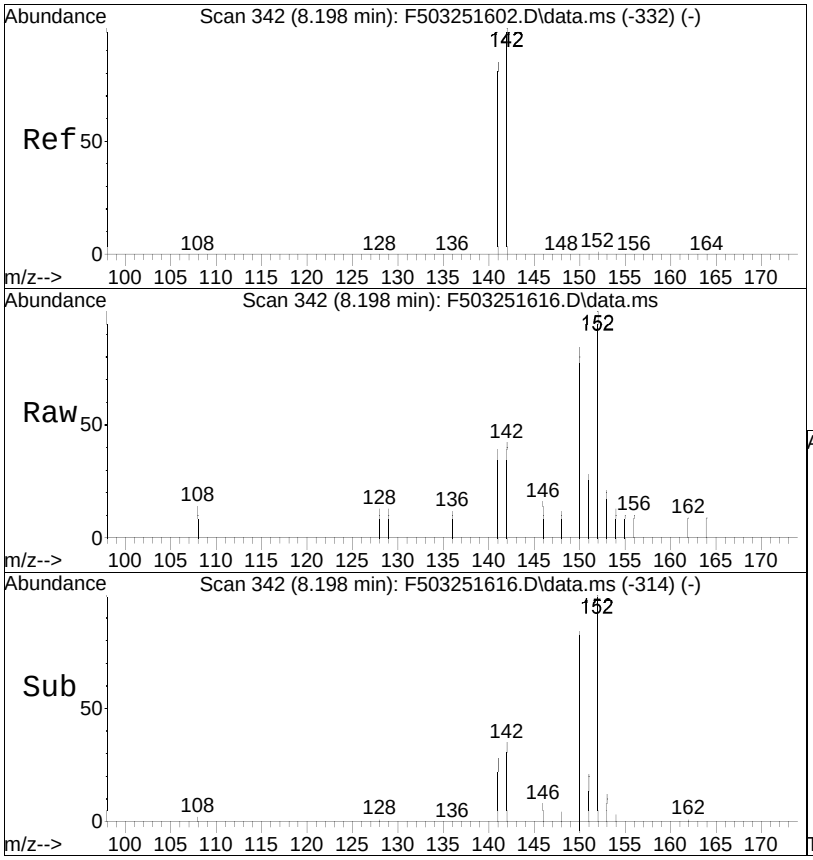


#2
Naphthalene
Concen: 4.91 ng/mL
RT: 7.511 min Scan# 245
Delta R.T. 0.000 min
Lab File: F503251616.D
Acq: 25 Mar 2016 6:20 pm

Tgt Ion:128 Resp: 868

Ion	Ratio	Lower	Upper
128	100		
129	15.7	9.2	13.8#

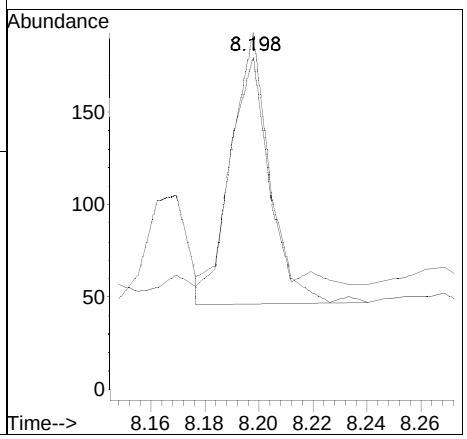


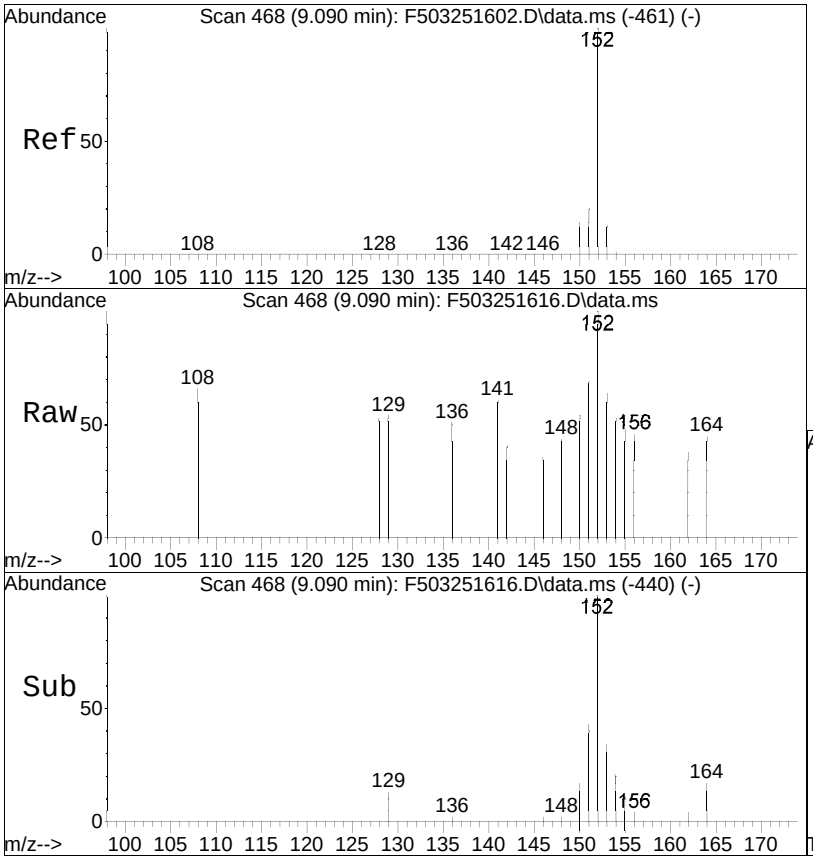


#5
2-Methylnaphthalene
Concen: 1.22 ng/mL
RT: 8.198 min Scan# 342
Delta R.T. 0.000 min
Lab File: F503251616.D
Acq: 25 Mar 2016 6:20 pm

Tgt Ion:142 Resp: 144

Ion	Ratio	Lower	Upper
142	100		
141	93.3	70.9	106.3

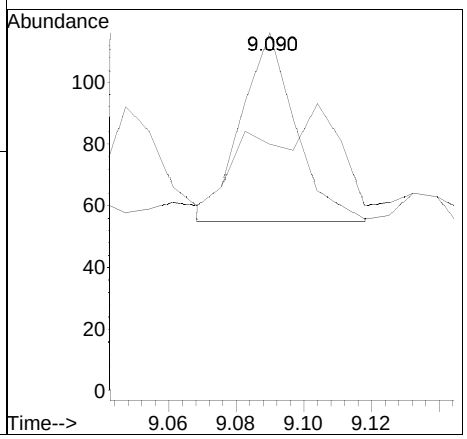


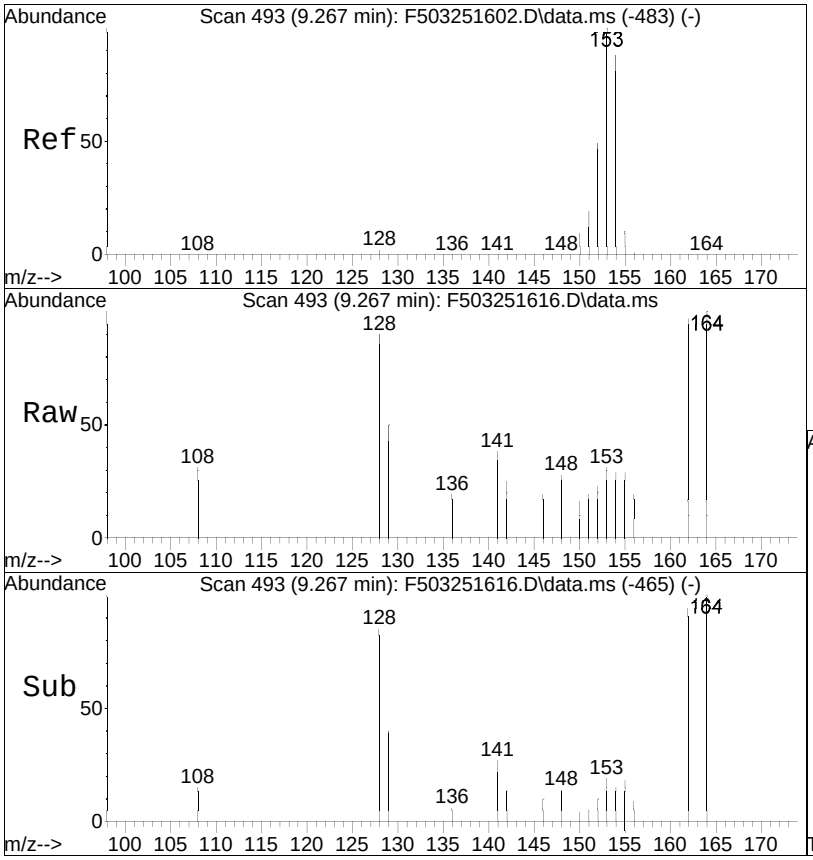


#12
Acenaphthylene
Concen: 1.61 ng/mL M4
RT: 9.090 min Scan# 468
Delta R.T. 0.000 min
Lab File: F503251616.D
Acq: 25 Mar 2016 6:20 pm

Tgt Ion:152 Resp: 68

Ion	Ratio	Lower	Upper
152	100		
151	69.0	16.1	24.1#

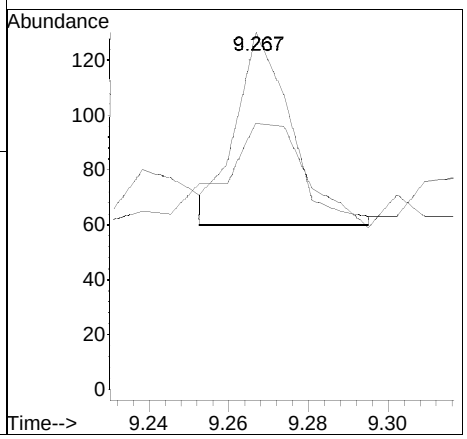


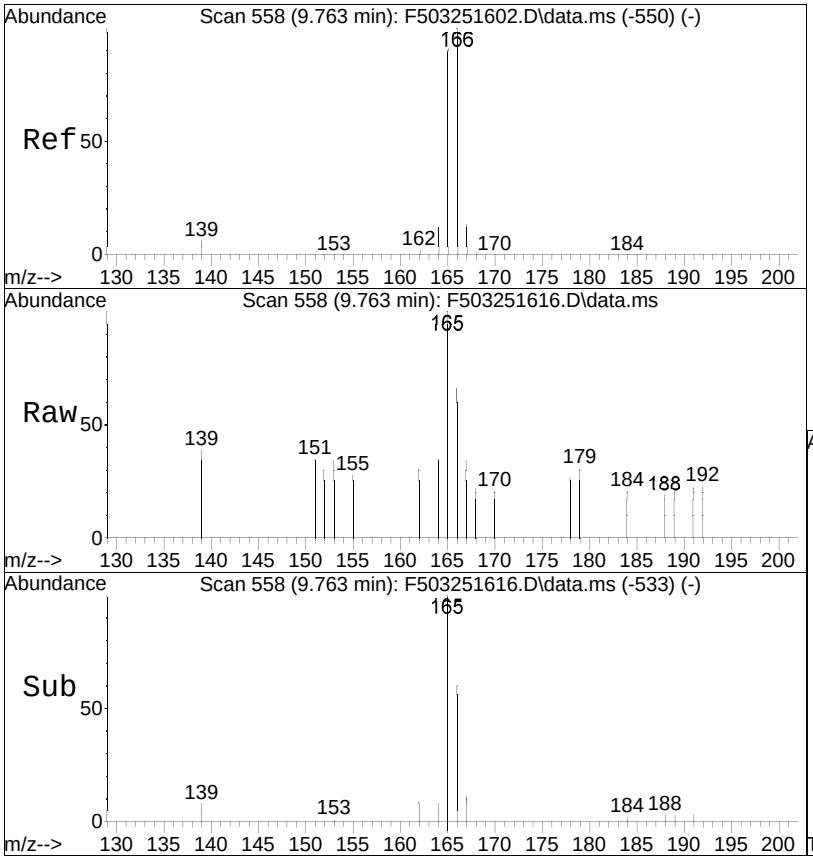


#13
Acenaphthene
Concen: 0.56 ng/mL M4
RT: 9.267 min Scan# 493
Delta R.T. 0.000 min
Lab File: F503251616.D
Acq: 25 Mar 2016 6:20 pm

Tgt Ion:153 Resp: 66

Ion	Ratio	Lower	Upper
153	100		
152	74.6	37.8	56.8#

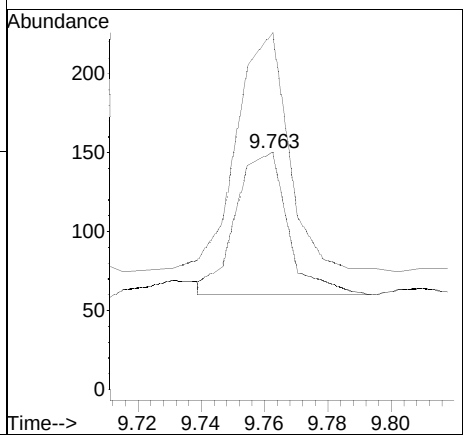


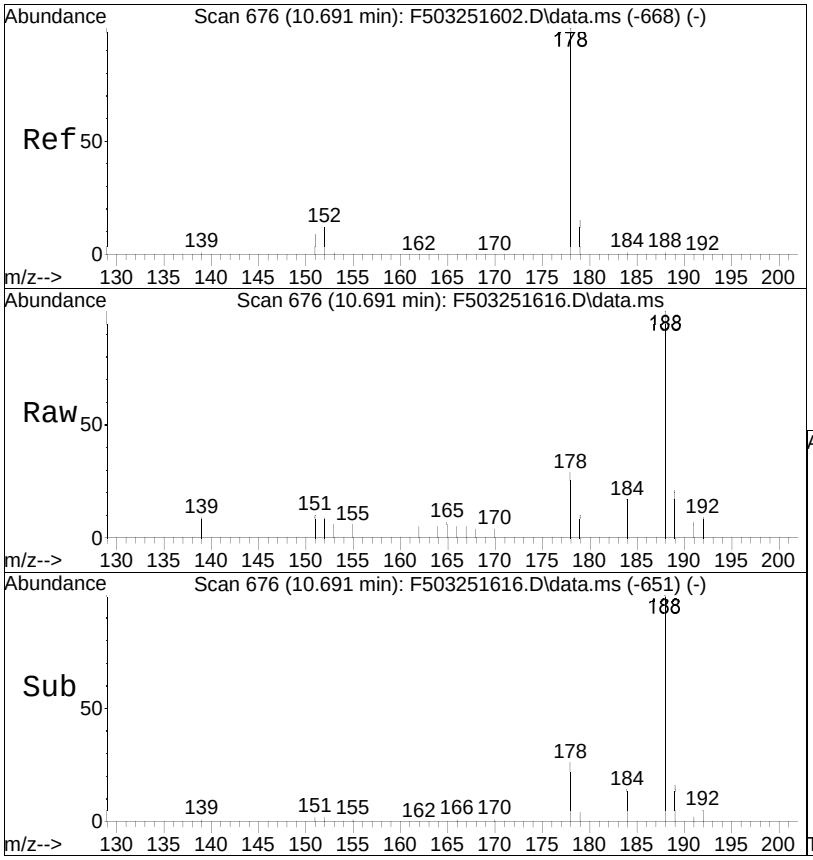


#15
Fluorene
Concen: 0.79 ng/mL M4
RT: 9.763 min Scan# 558
Delta R.T. 0.000 min
Lab File: F503251616.D
Acq: 25 Mar 2016 6:20 pm

Tgt Ion:166 Resp: 102

Ion	Ratio	Lower	Upper
166	100		
165	150.7	77.3	115.9#

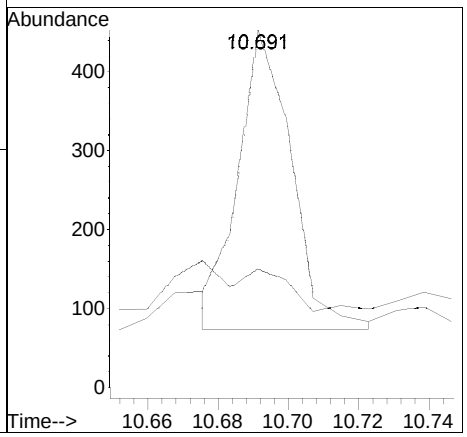


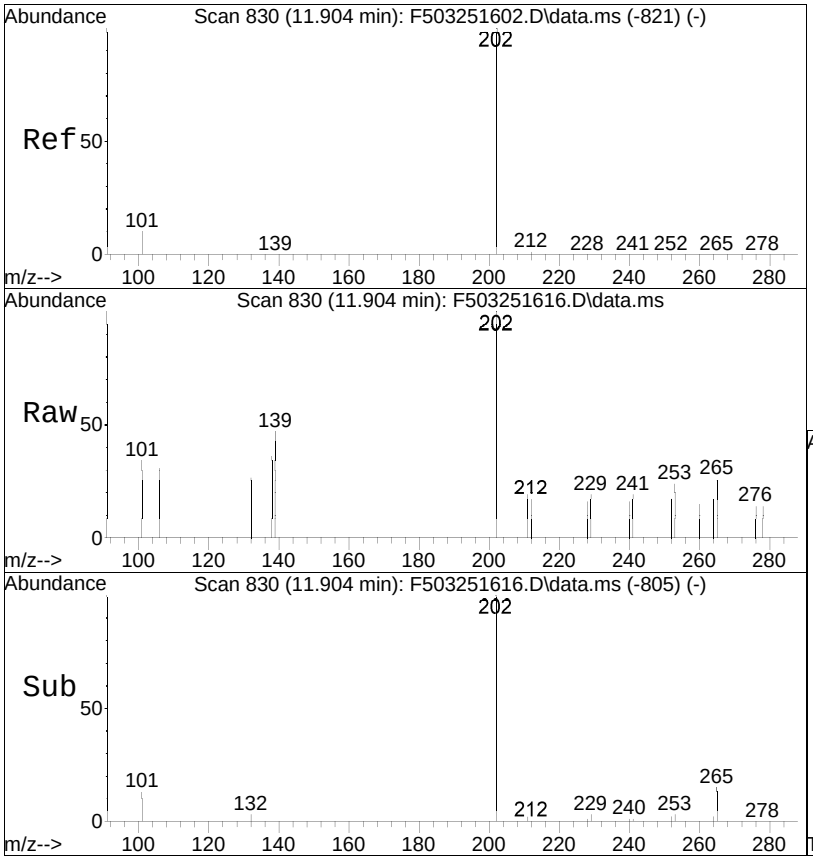


#19
Phenanthrene
Concen: 1.85 ng/mL M4
RT: 10.691 min Scan# 676
Delta R.T. 0.000 min
Lab File: F503251616.D
Acq: 25 Mar 2016 6:20 pm

Tgt Ion:178 Resp: 390

Ion	Ratio	Lower	Upper
178	100		
179	33.2	12.4	18.6#

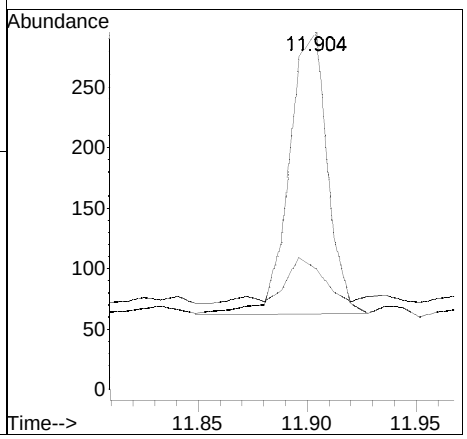


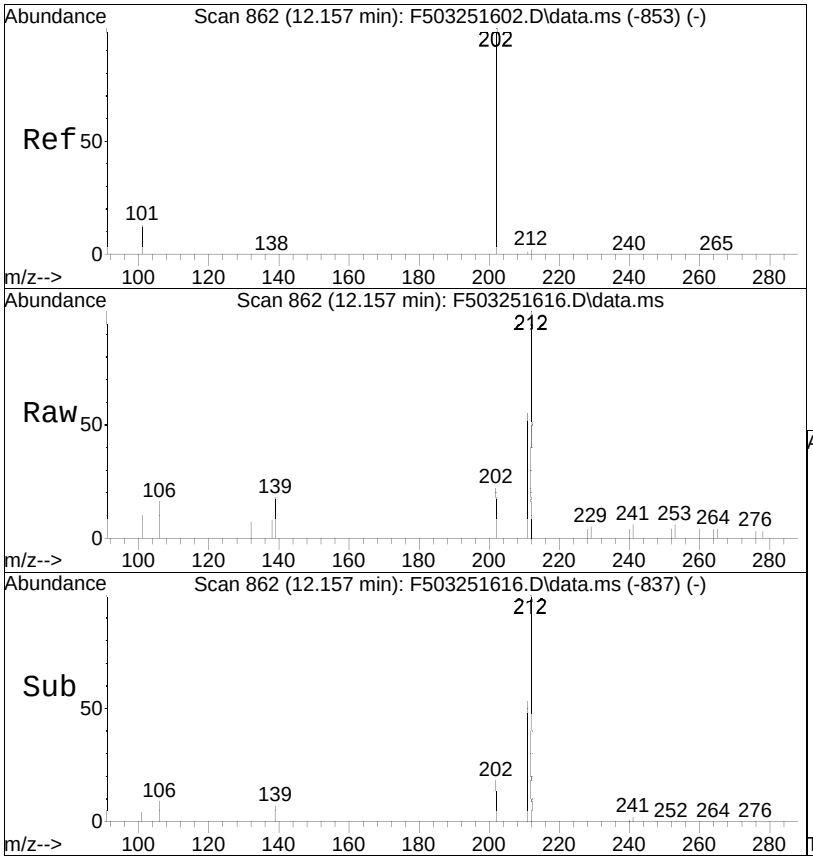


#23
Fluoranthene
Concen: 1.27 ng/mL
RT: 11.904 min Scan# 830
Delta R.T. 0.000 min
Lab File: F503251616.D
Acq: 25 Mar 2016 6:20 pm

Tgt Ion:202 Resp: 283

Ion	Ratio	Lower	Upper
202	100		
101	33.9	12.6	19.0#

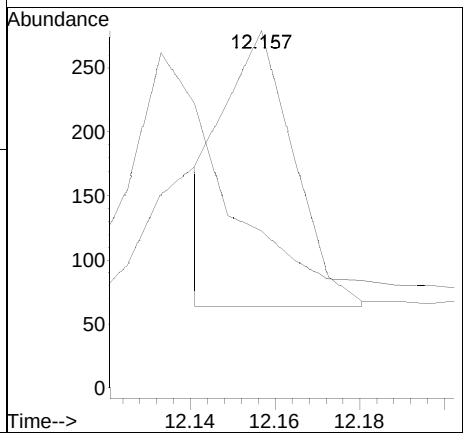


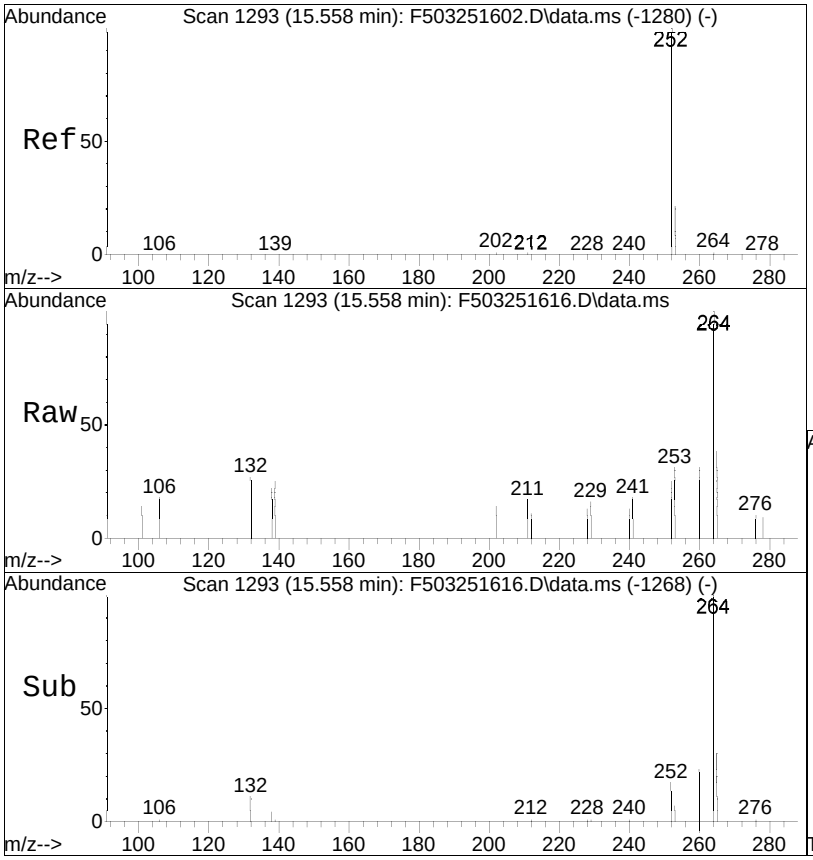


#26
Pyrene
Concen: 0.94 ng/mL M3
RT: 12.157 min Scan# 862
Delta R.T. 0.000 min
Lab File: F503251616.D
Acq: 25 Mar 2016 6:20 pm

Tgt Ion:202 Resp: 245

Ion	Ratio	Lower	Upper
202	100		
101	44.1	14.4	21.6#

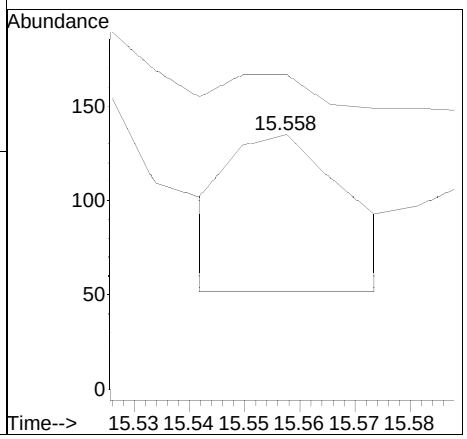


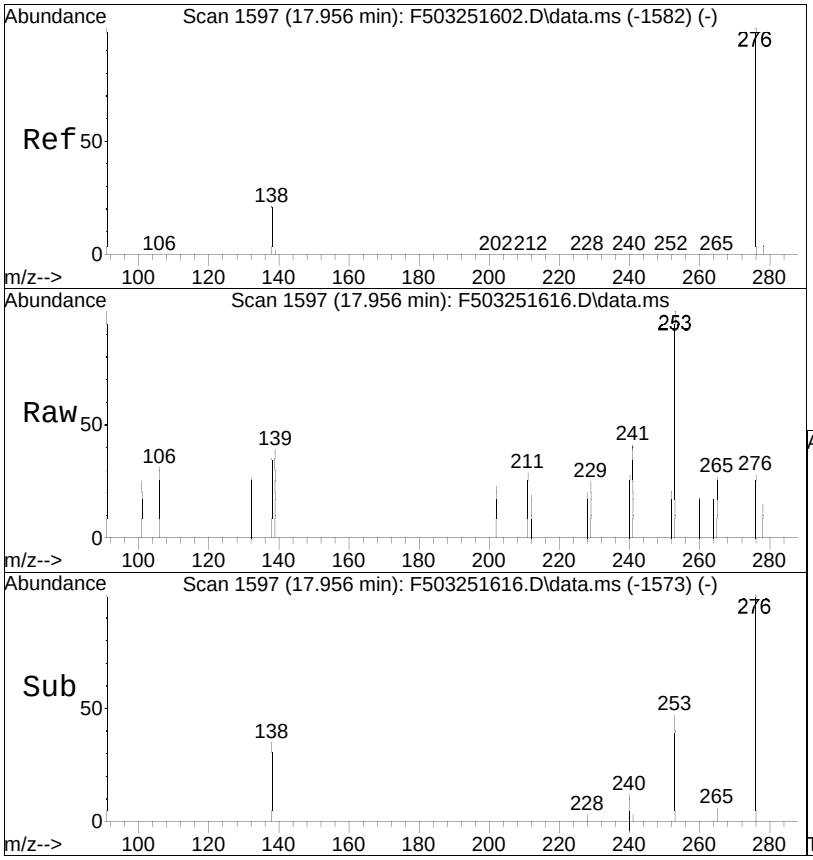


#32
Benzo[b]fluoranthene
Concen: 0.57 ng/mL M4
RT: 15.558 min Scan# 1293
Delta R.T. 0.000 min
Lab File: F503251616.D
Acq: 25 Mar 2016 6:20 pm

Tgt Ion:252 Resp: 124

Ion	Ratio	Lower	Upper
252	100		
253	123.7	18.2	27.4#

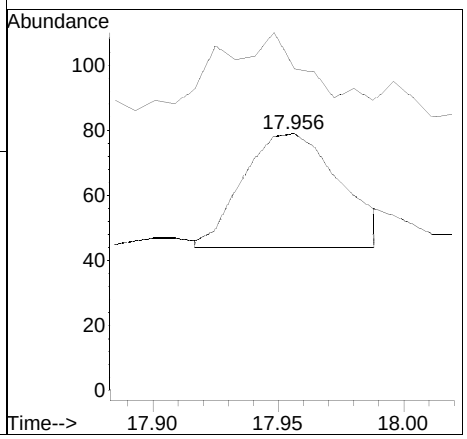


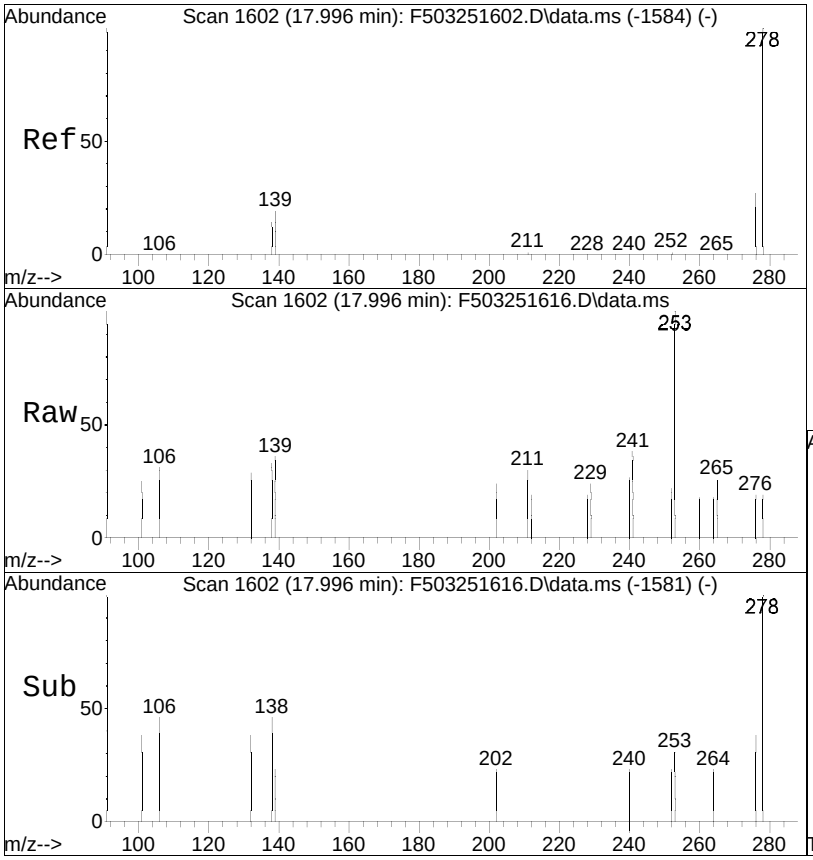


#37
Indeno[1,2,3-cd]pyrene
Concen: 6.94 ng/mL M4
RT: 17.956 min Scan# 1597
Delta R.T. 0.000 min
Lab File: F503251616.D
Acq: 25 Mar 2016 6:20 pm

Tgt Ion:276 Resp: 94

Ion	Ratio	Lower	Upper
276	100		
138	125.3	31.1	46.7#

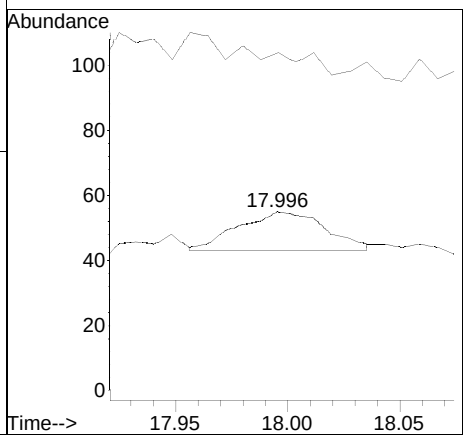




#38
Dibenz[a,h]anthracene
Concen: 5.05 ng/mL M4
RT: 17.996 min Scan# 1602
Delta R.T. 0.000 min
Lab File: F503251616.D
Acq: 25 Mar 2016 6:20 pm

Tgt Ion:278 Resp: 33

Ion	Ratio	Lower	Upper
278	100		
139	189.1	27.5	41.3#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251617.D
Acq On : 25 Mar 2016 6:51 pm
Operator : PAH5:sf
Sample : L1607846-09
Misc : WG877452,WG876674,ICAL12131
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 30 14:48:59 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.490	136	81086	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.239	164	39350	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.676	188	82946	500.000	ng/mL	0.00
24) Chrysene-d12	13.814	240	87985	500.000	ng/mL	0.00
29) Perylene-d12	16.189	264	86623	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.170	152	29503	319.829	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery =	6.40%#		
25) Pyrene-d10	12.133	212	60048	373.226	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery =	7.46%#		
31) Benzo[b]fluoranthene-d12	15.518	264	59005	395.168	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery =	7.90%#		
Target Compounds						Qvalue
2) Naphthalene	7.512	128	828	4.799	ng/mL#	89
5) 2-Methylnaphthalene	8.198	142	122M4	1.062	ng/mL	
12) Acenaphthylene	9.090	152	75	1.665	ng/mL#	5
13) Acenaphthene	9.267	153	68	0.594	ng/mL#	55
15) Fluorene	9.763	166	105M4	0.834	ng/mL	
19) Phenanthrene	10.692	178	422M4	2.077	ng/mL	
20) Anthracene	10.739	178	35	N.D.		
23) Fluoranthene	11.904	202	350	1.636	ng/mL#	64
26) Pyrene	12.157	202	263M3	1.037	ng/mL	
27) Benz[a]anthracene	13.798	228	72	N.D.		
28) Chrysene	13.853	228	117	0.540	ng/mL#	1
32) Benzo[b]fluoranthene	15.558	252	139M3	0.641	ng/mL	
33) Benzo[k]fluoranthene	15.589	252	101M3	0.517	ng/mL	
35) Benzo[a]pyrene	16.086	252	58	N.D.		
37) Indeno[1,2,3-cd]pyrene	17.956	276	89M4	6.913	ng/mL	
38) Dibenz[a,h]anthracene	17.996	278	43M4	5.102	ng/mL	
39) Benzo[g,h,i]perylene	18.422	276	107	0.555	ng/mL#	1

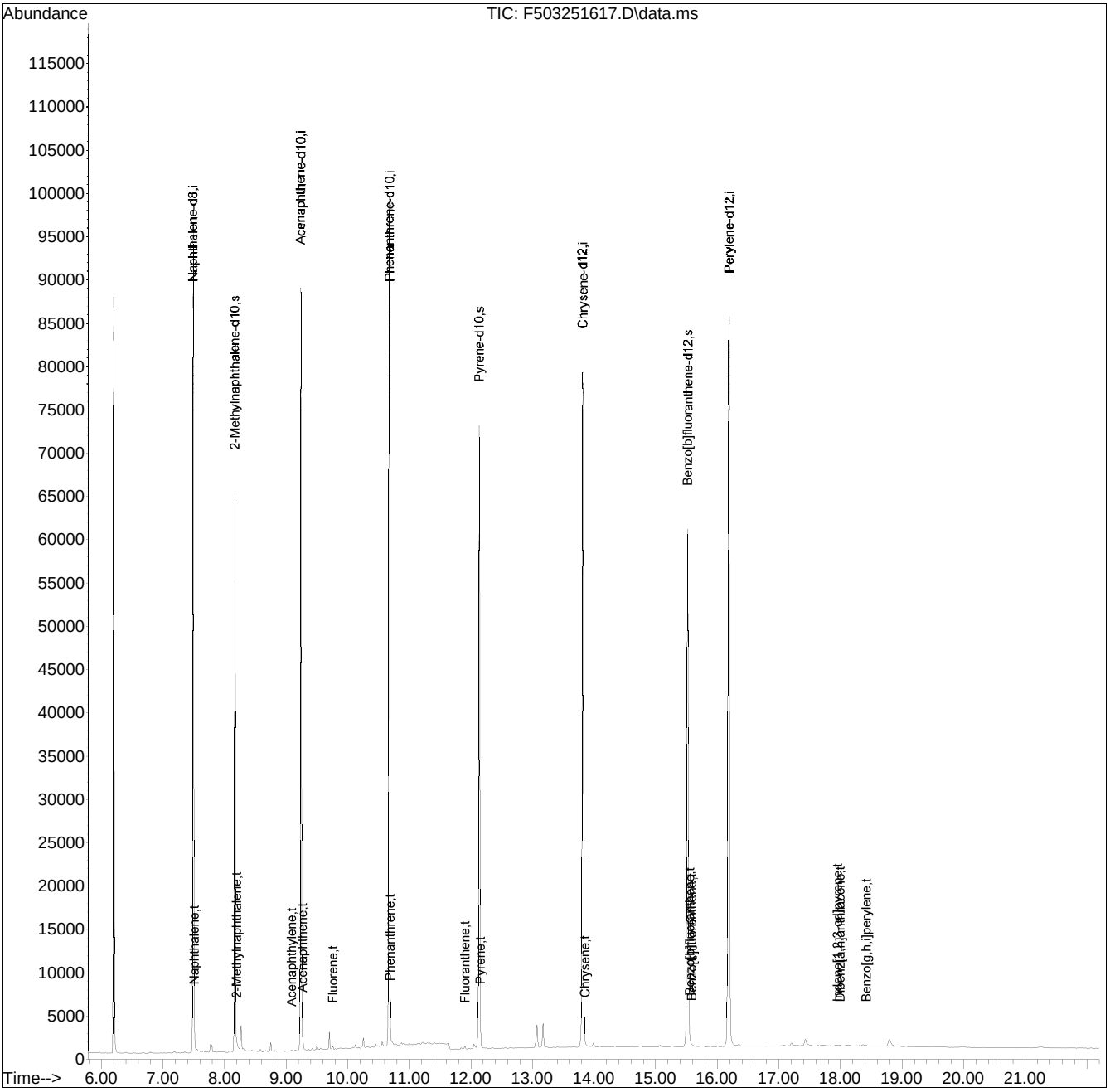
(#) = qualifier out of range (m) = manual integration (+) = signals summed

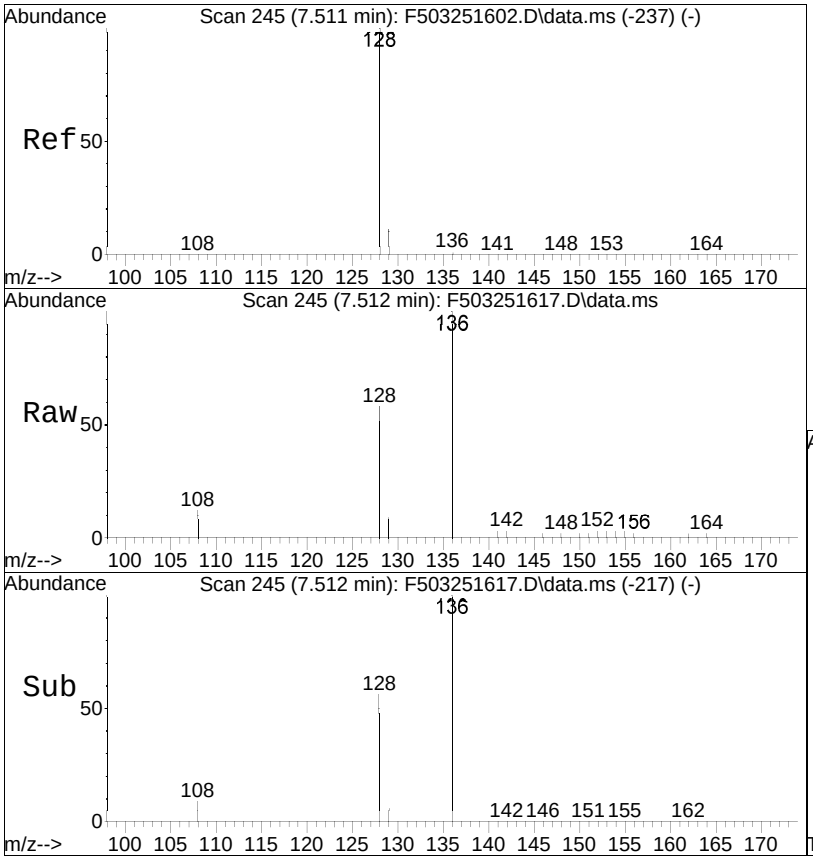
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251617.D
Acq On : 25 Mar 2016 6:51 pm
Operator : PAH5:sf
Sample : L1607846-09
Misc : WG877452,WG876674,ICAL12131
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 30 14:48:59 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

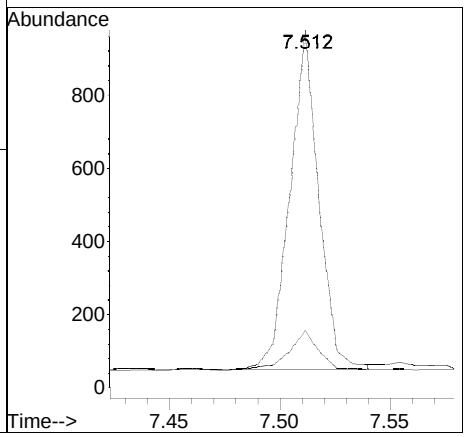


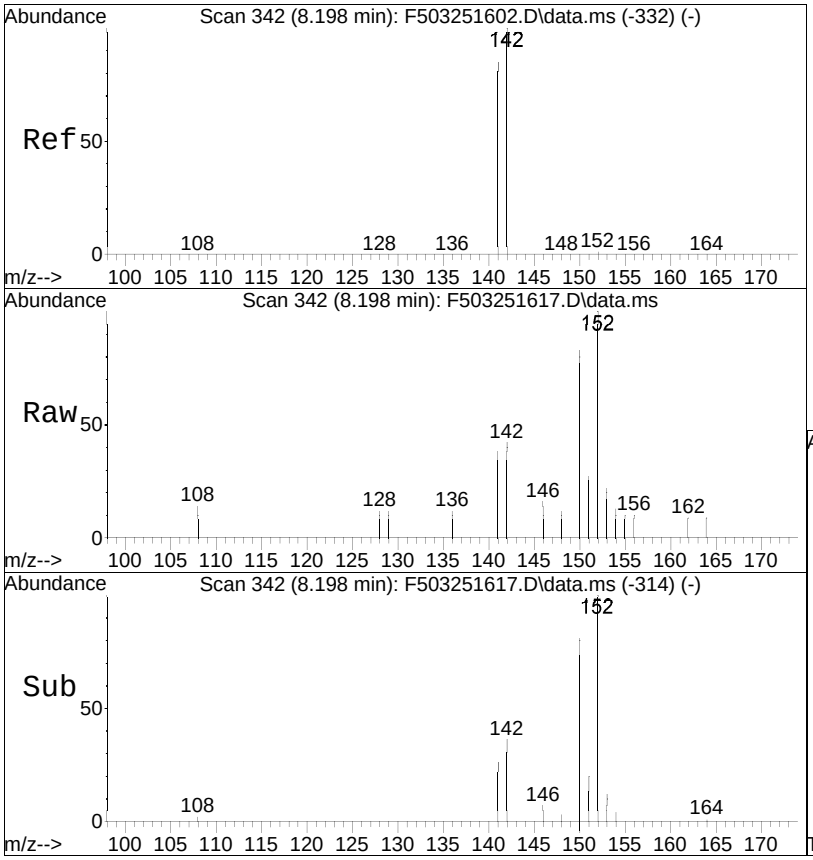


#2
Naphthalene
Concen: 4.80 ng/mL
RT: 7.512 min Scan# 245
Delta R.T. 0.000 min
Lab File: F503251617.D
Acq: 25 Mar 2016 6:51 pm

Tgt Ion:128 Resp: 828

Ion	Ratio	Lower	Upper
128	100		
129	15.9	9.2	13.8#

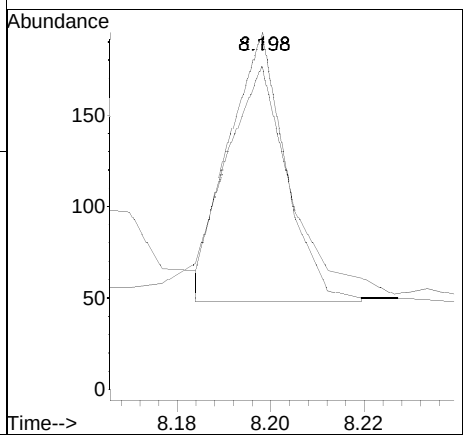


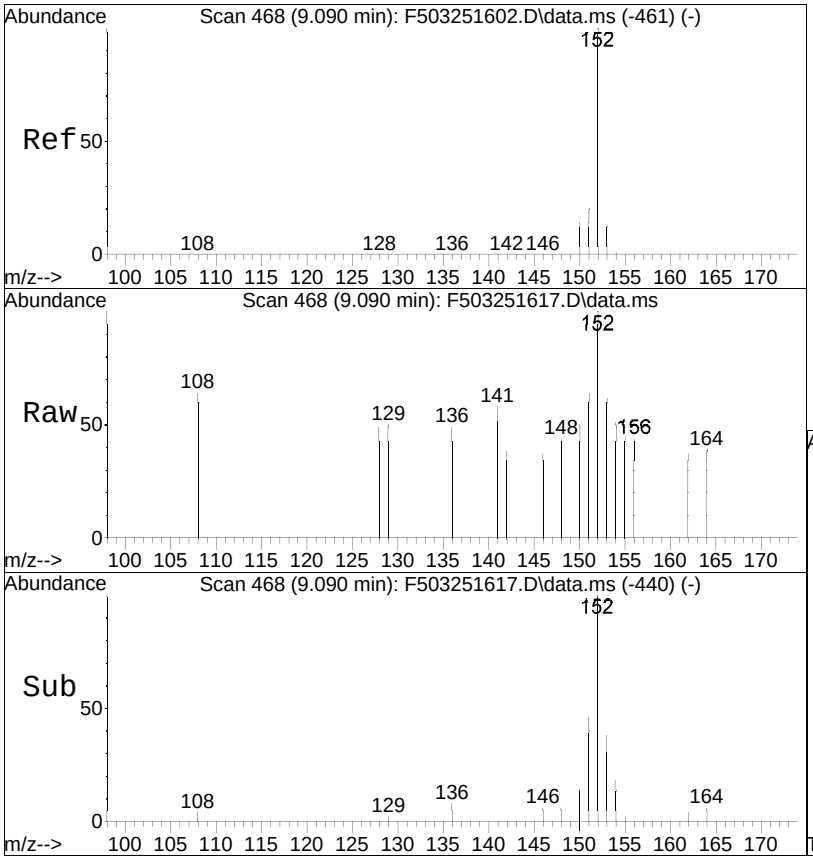


#5
2-Methylnaphthalene
Concen: 1.06 ng/mL M4
RT: 8.198 min Scan# 342
Delta R.T. 0.000 min
Lab File: F503251617.D
Acq: 25 Mar 2016 6:51 pm

Tgt Ion:142 Resp: 122

Ion	Ratio	Lower	Upper
142	100		
141	90.8	70.9	106.3

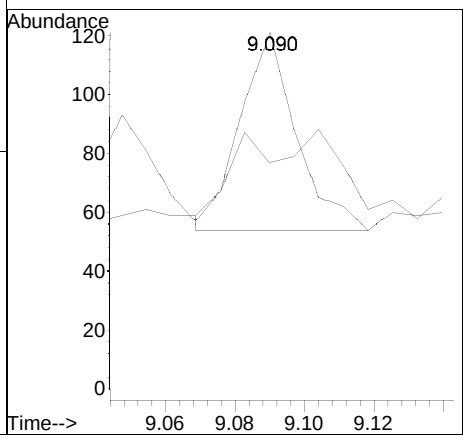


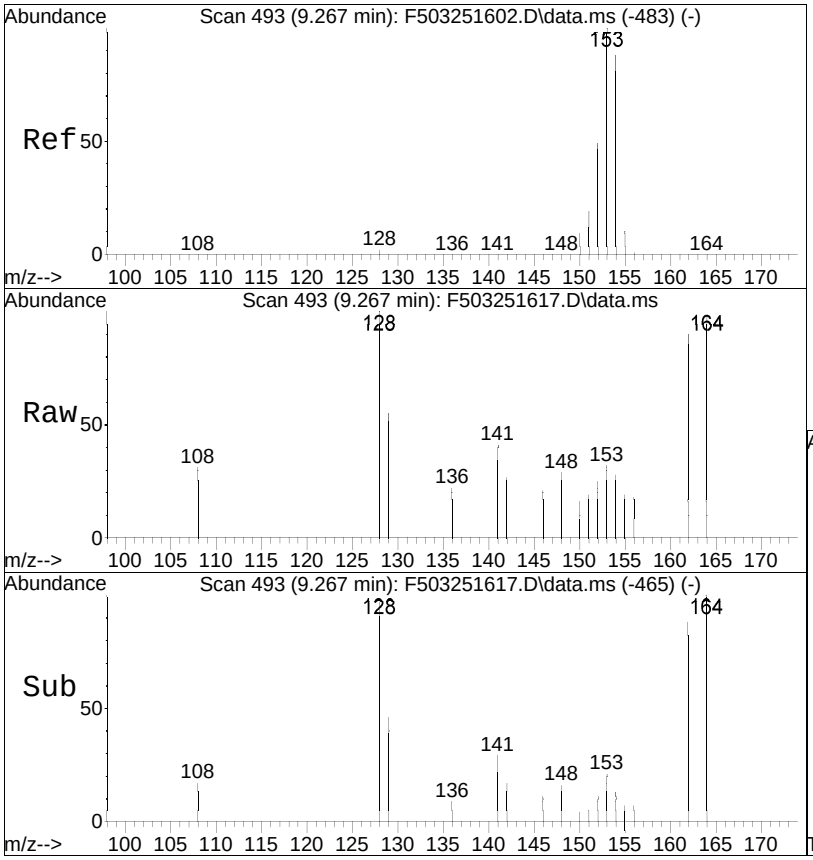


#12
Acenaphthylene
Concen: 1.66 ng/mL
RT: 9.090 min Scan# 468
Delta R.T. 0.000 min
Lab File: F503251617.D
Acq: 25 Mar 2016 6:51 pm

Tgt Ion:152 Resp: 75

Ion	Ratio	Lower	Upper
152	100		
151	63.6	16.1	24.1#

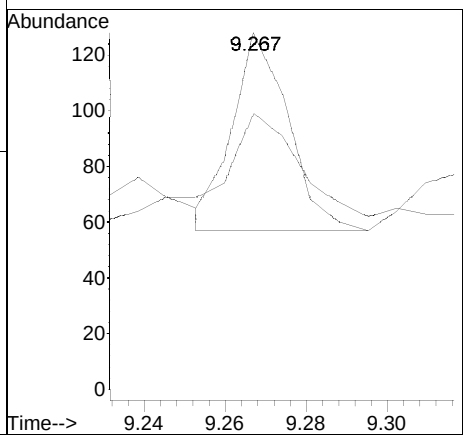


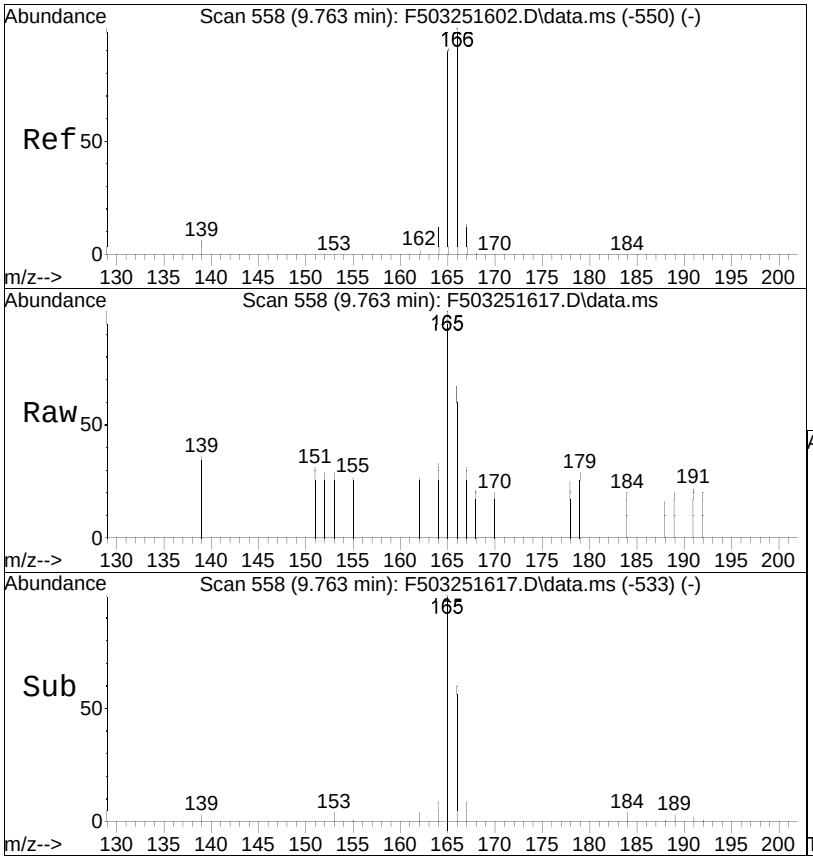


#13
Acenaphthene
Concen: 0.59 ng/mL
RT: 9.267 min Scan# 493
Delta R.T. 0.000 min
Lab File: F503251617.D
Acq: 25 Mar 2016 6:51 pm

Tgt Ion:153 Resp: 68

Ion	Ratio	Lower	Upper
153	100		
152	77.3	37.8	56.8#

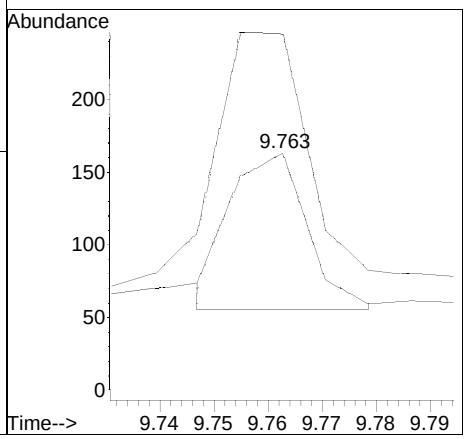




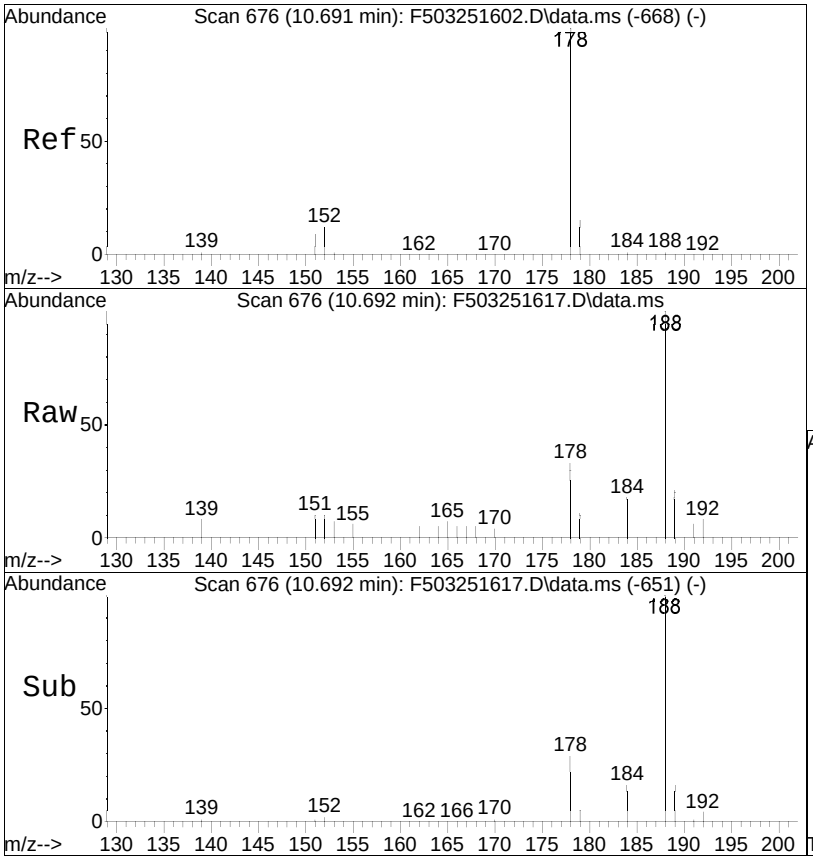
#15
Fluorene
Concen: 0.83 ng/mL M4
RT: 9.763 min Scan# 558
Delta R.T. 0.000 min
Lab File: F503251617.D
Acq: 25 Mar 2016 6:51 pm

Tgt Ion:166 Resp: 105

Ion	Ratio	Lower	Upper
166	100		
165	150.3	77.3	115.9#



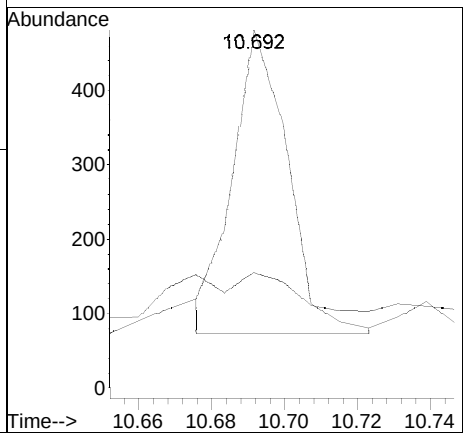
F503251617.D PAH0307PAH5.M Wed Mar 30 14:59:42 2016 Page 7

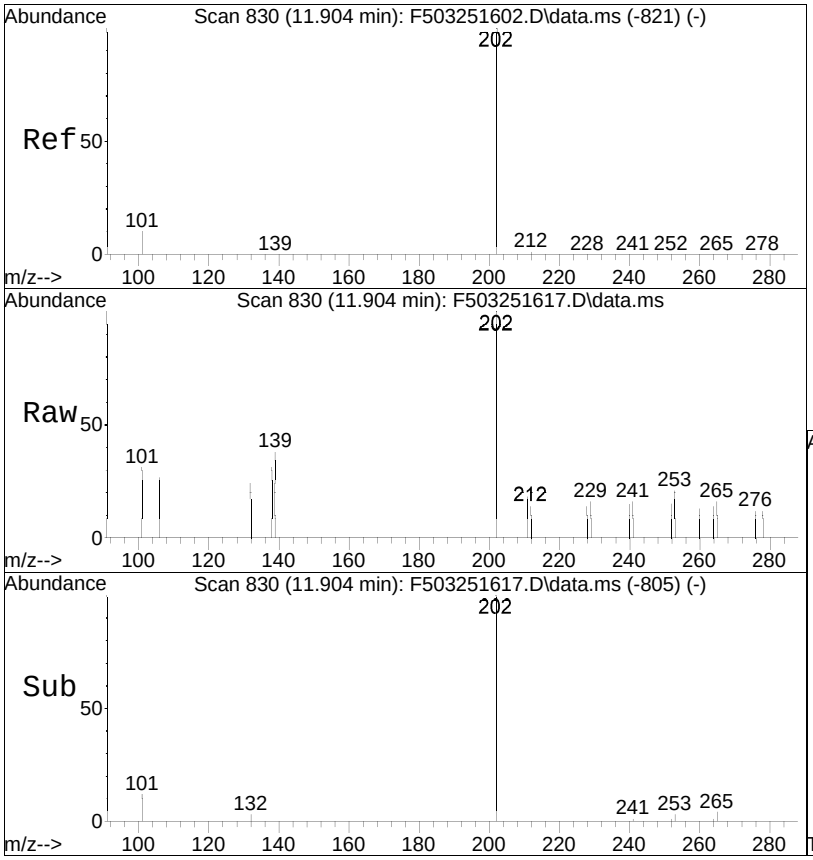


#19
Phenanthrene
Concen: 2.08 ng/mL M4
RT: 10.692 min Scan# 676
Delta R.T. 0.000 min
Lab File: F503251617.D
Acq: 25 Mar 2016 6:51 pm

Tgt Ion:178 Resp: 422

Ion	Ratio	Lower	Upper
178	100		
179	32.5	12.4	18.6#

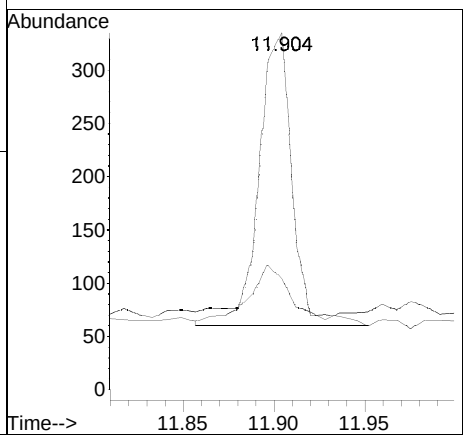


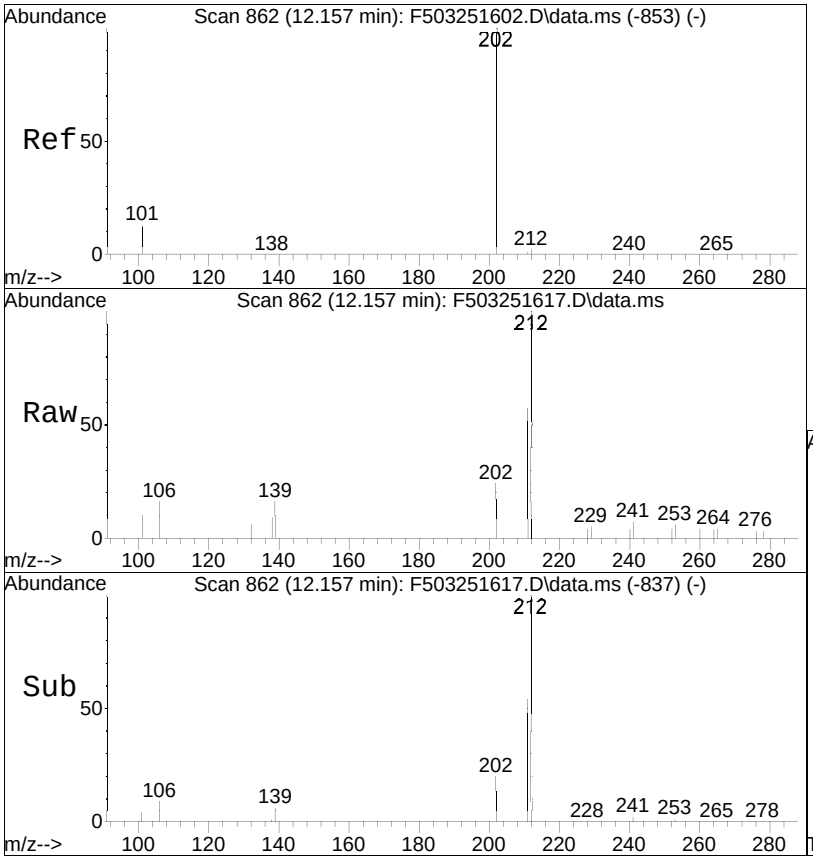


#23
Fluoranthene
Concen: 1.64 ng/mL
RT: 11.904 min Scan# 830
Delta R.T. 0.000 min
Lab File: F503251617.D
Acq: 25 Mar 2016 6:51 pm

Tgt Ion:202 Resp: 350

Ion	Ratio	Lower	Upper
202	100		
101	31.0	12.6	19.0#

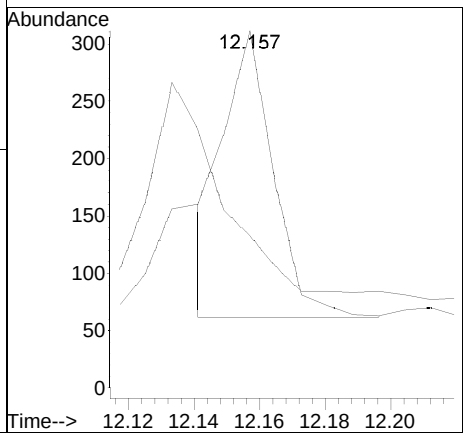


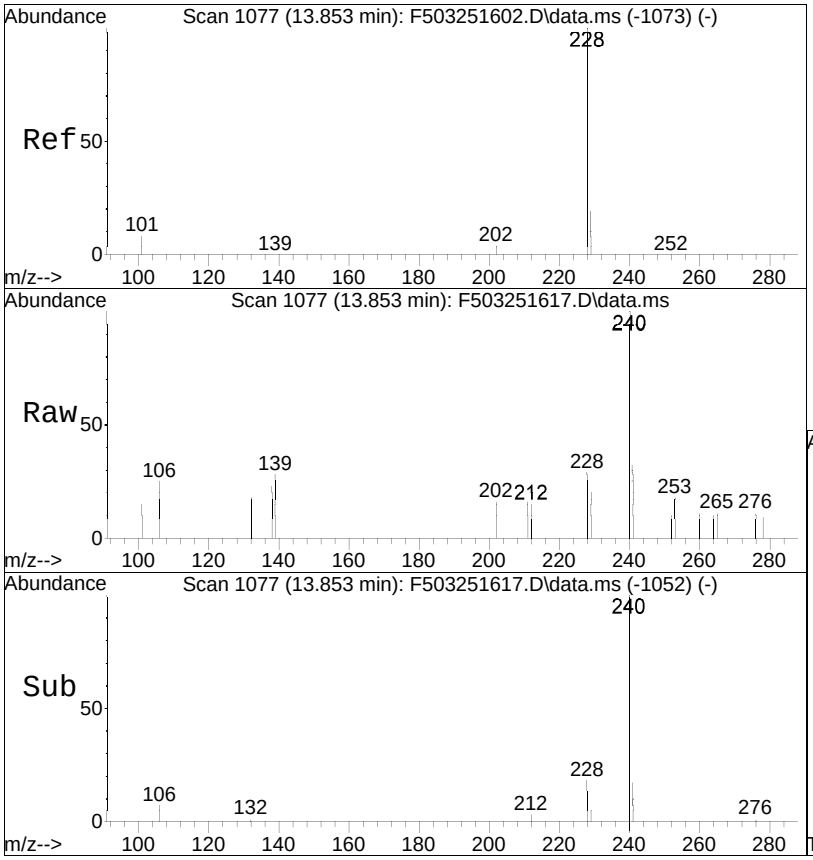


#26
Pyrene
Concen: 1.04 ng/mL M3
RT: 12.157 min Scan# 862
Delta R.T. 0.000 min
Lab File: F503251617.D
Acq: 25 Mar 2016 6:51 pm

Tgt Ion:202 Resp: 263

Ion	Ratio	Lower	Upper
202	100		
101	42.8	14.4	21.6#

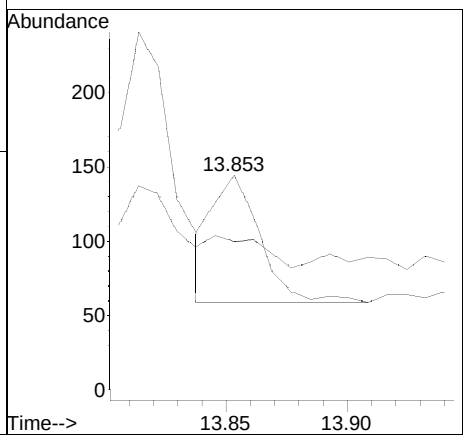


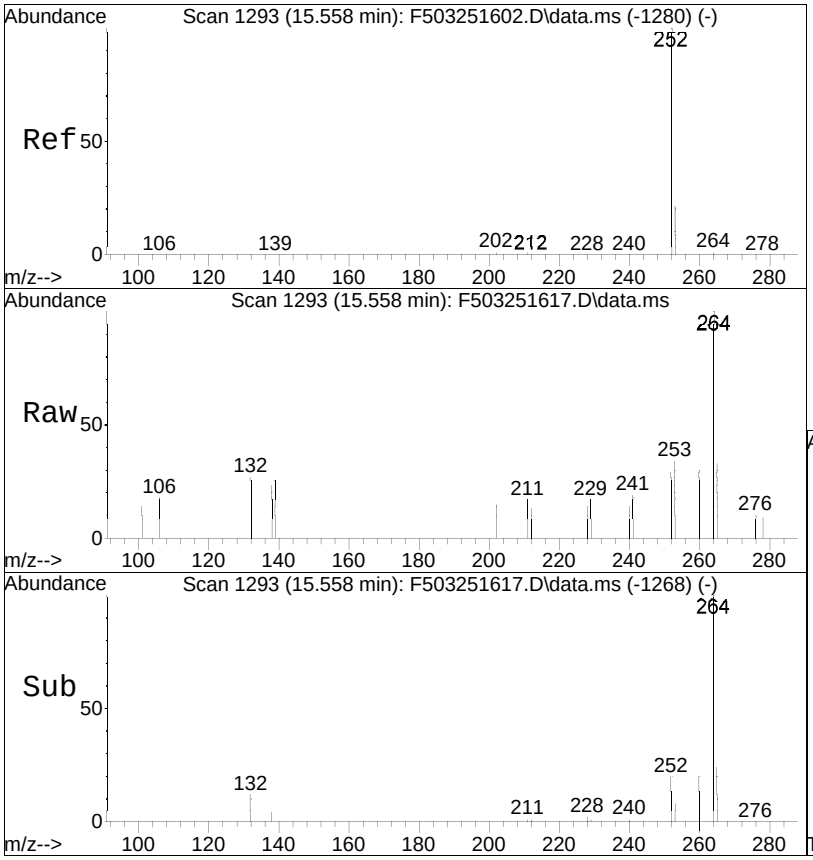


#28
Chrysene
Concen: 0.54 ng/mL
RT: 13.853 min Scan# 1077
Delta R.T. 0.000 min
Lab File: F503251617.D
Acq: 25 Mar 2016 6:51 pm

Tgt Ion:228 Resp: 117

Ion	Ratio	Lower	Upper
228	100		
229	69.4	16.1	24.1#

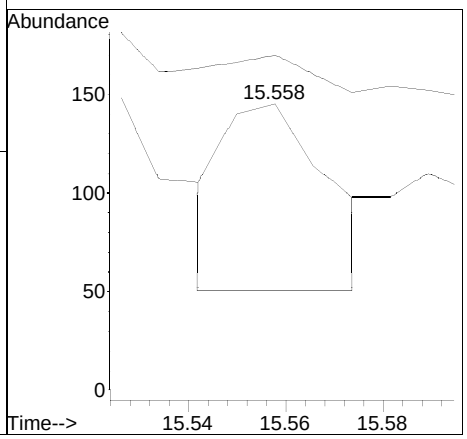


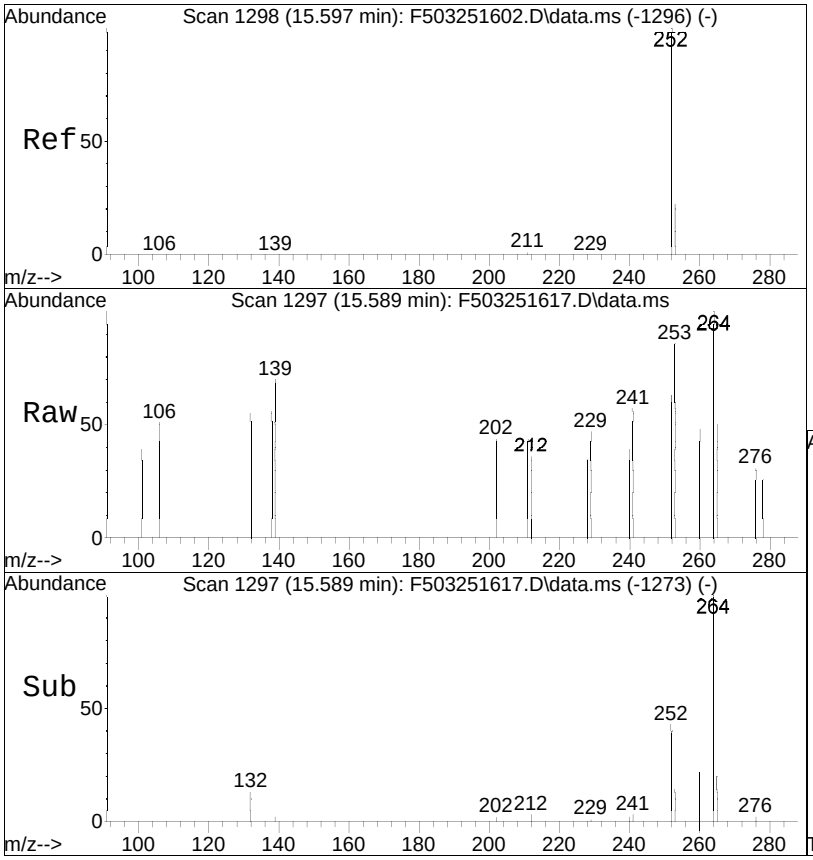


#32
Benzo[b]fluoranthene
Concen: 0.64 ng/mL M3
RT: 15.558 min Scan# 1293
Delta R.T. 0.000 min
Lab File: F503251617.D
Acq: 25 Mar 2016 6:51 pm

Tgt Ion:252 Resp: 139

Ion	Ratio	Lower	Upper
252	100		
253	117.2	18.2	27.4#

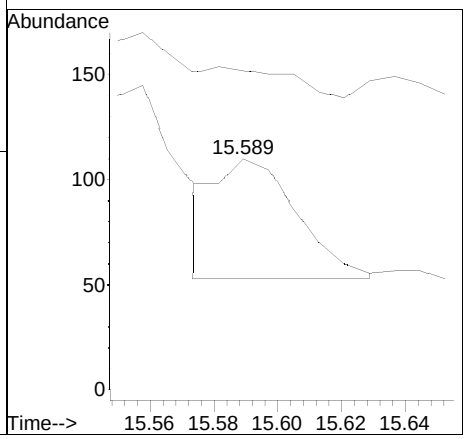


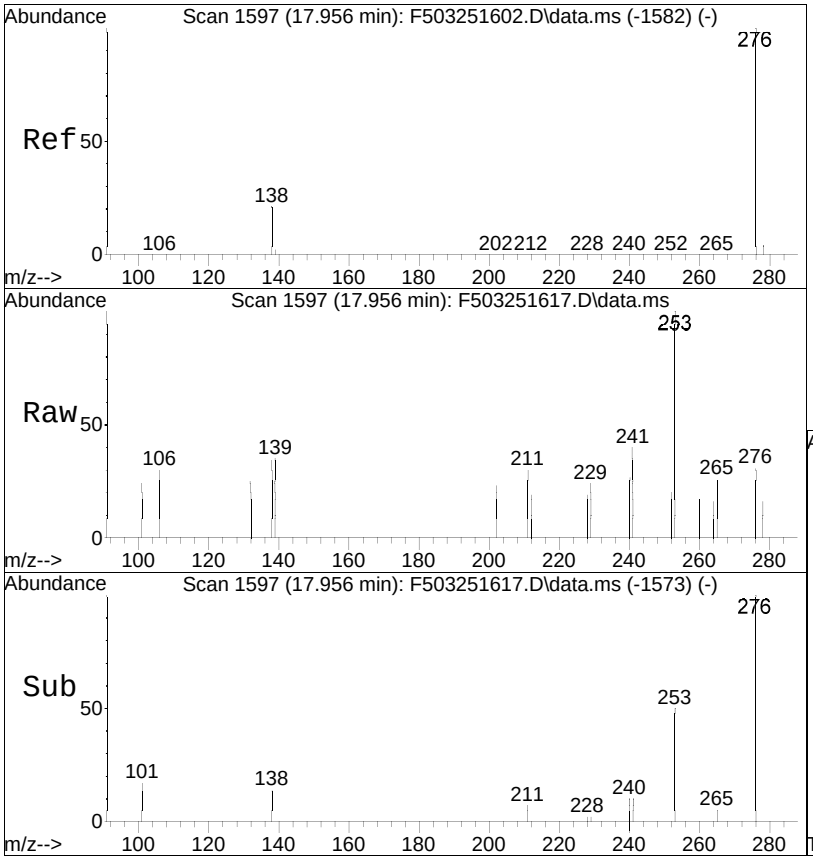


#33
Benzo[k]fluoranthene
Concen: 0.52 ng/mL M3
RT: 15.589 min Scan# 1297
Delta R.T. -0.008 min
Lab File: F503251617.D
Acq: 25 Mar 2016 6:51 pm

Tgt Ion:252 Resp: 101

Ion	Ratio	Lower	Upper
252	100		
253	138.2	18.2	27.2#

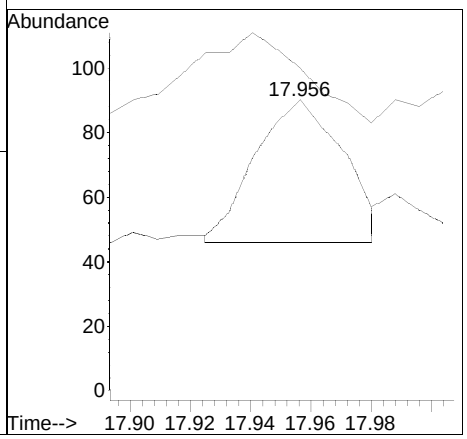


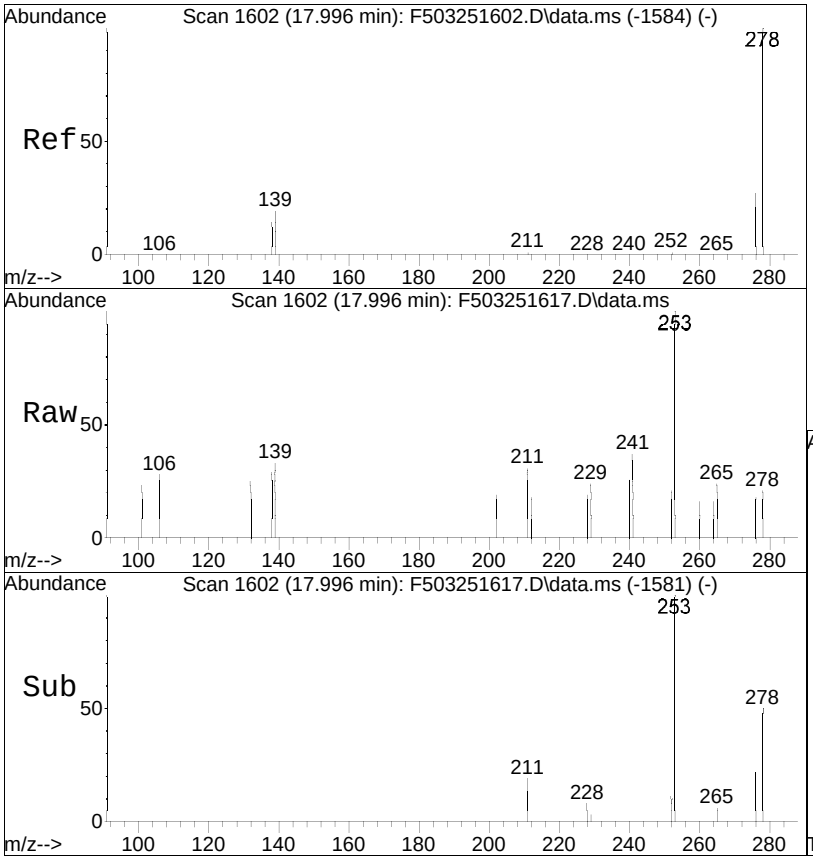


#37
Indeno[1,2,3-cd]pyrene
Concen: 6.91 ng/mL M4
RT: 17.956 min Scan# 1597
Delta R.T. 0.000 min
Lab File: F503251617.D
Acq: 25 Mar 2016 6:51 pm

Tgt Ion:276 Resp: 89

Ion	Ratio	Lower	Upper
276	100		
138	111.1	31.1	46.7#

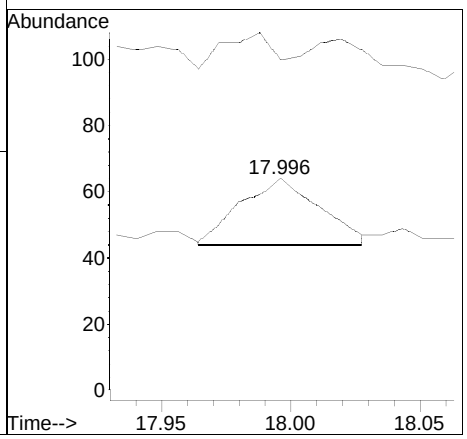


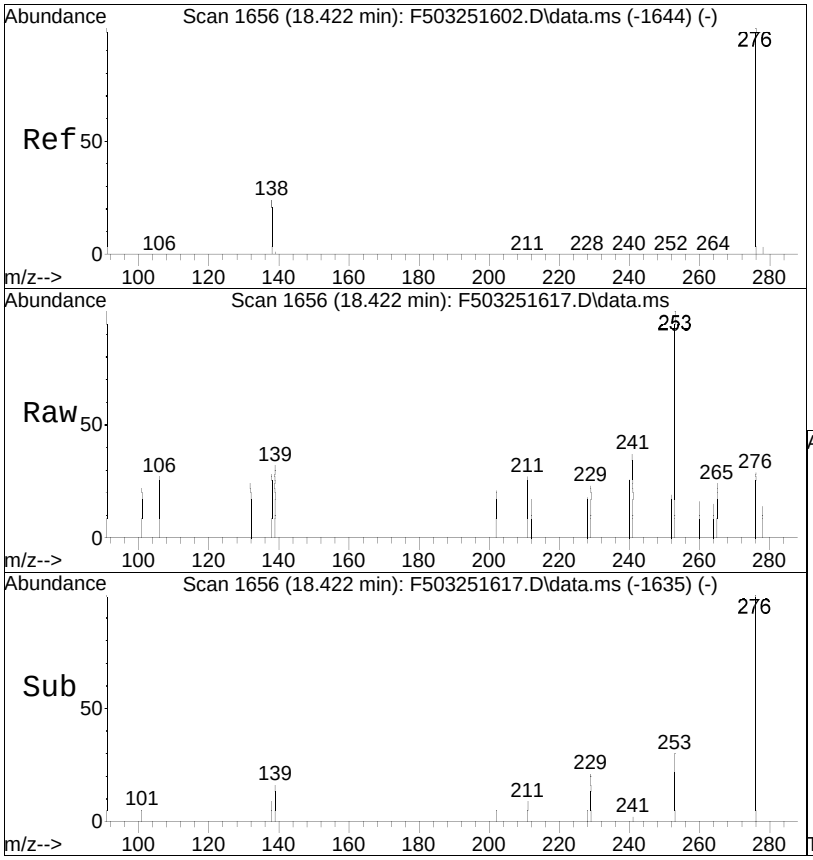


#38
Dibenz[a,h]anthracene
Concen: 5.10 ng/mL M4
RT: 17.996 min Scan# 1602
Delta R.T. 0.000 min
Lab File: F503251617.D
Acq: 25 Mar 2016 6:51 pm

Tgt Ion:278 Resp: 43

Ion	Ratio	Lower	Upper
278	100		
139	156.3	27.5	41.3#

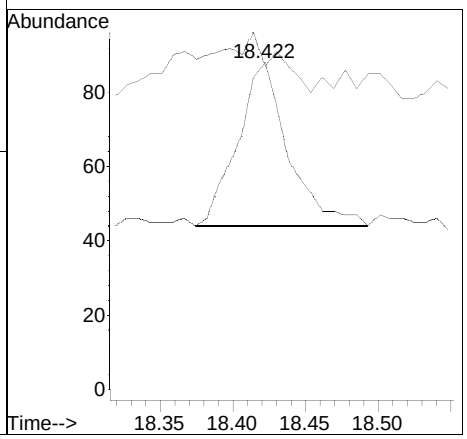




#39
Benzo[g,h,i]perylene
Concen: 0.56 ng/mL
RT: 18.422 min Scan# 1656
Delta R.T. 0.000 min
Lab File: F503251617.D
Acq: 25 Mar 2016 6:51 pm

Tgt Ion:276 Resp: 107

Ion	Ratio	Lower	Upper
276	100		
138	98.9	27.4	41.2#



Batch Quality Control

Method Blank
Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251606.D
Acq On : 25 Mar 2016 1:17 pm
Operator : PAH5:sf
Sample : WG876674-1
Misc : WG877452,WG876674,ICAL12131
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 14:48:22 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.490	136	84581	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.239	164	39106	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.668	188	78444	500.000	ng/mL	0.00
24) Chrysene-d12	13.814	240	77157	500.000	ng/mL	0.00
29) Perylene-d12	16.189	264	70443	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.163	152	32004	332.606	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 6.65%#			
25) Pyrene-d10	12.133	212	52515	372.211	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 7.44%#			
31) Benzo[b]fluoranthene-d12	15.518	264	50168	413.157	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.26%#			
Target Compounds						Qvalue
2) Naphthalene	7.511	128	254	1.411	ng/mL#	63
5) 2-Methylnaphthalene	8.198	142	111M4	0.926	ng/mL	
12) Acenaphthylene	9.083	152	35M4	1.435	ng/mL	
13) Acenaphthene	9.267	153	27	N.D.		
15) Fluorene	9.755	166	31	N.D.		
19) Phenanthrene	10.691	178	80	N.D.		
20) Anthracene	10.739	178	31	N.D.		
23) Fluoranthene	11.904	202	62	N.D.		
26) Pyrene	12.157	202	73	N.D.		
27) Benz[a]anthracene	0.000		0	N.D.	d	
28) Chrysene	13.853	228	32	N.D.		
32) Benzo[b]fluoranthene	15.558	252	48	N.D.		
33) Benzo[k]fluoranthene	15.597	252	40	N.D.		
35) Benzo[a]pyrene	16.086	252	18	N.D.		
37) Indeno[1,2,3-cd]pyrene	17.956	276	49M3	6.769	ng/mL	
38) Dibenz[a,h]anthracene	17.996	278	31M4	5.078	ng/mL	
39) Benzo[g,h,i]perylene	18.422	276	49	N.D.		

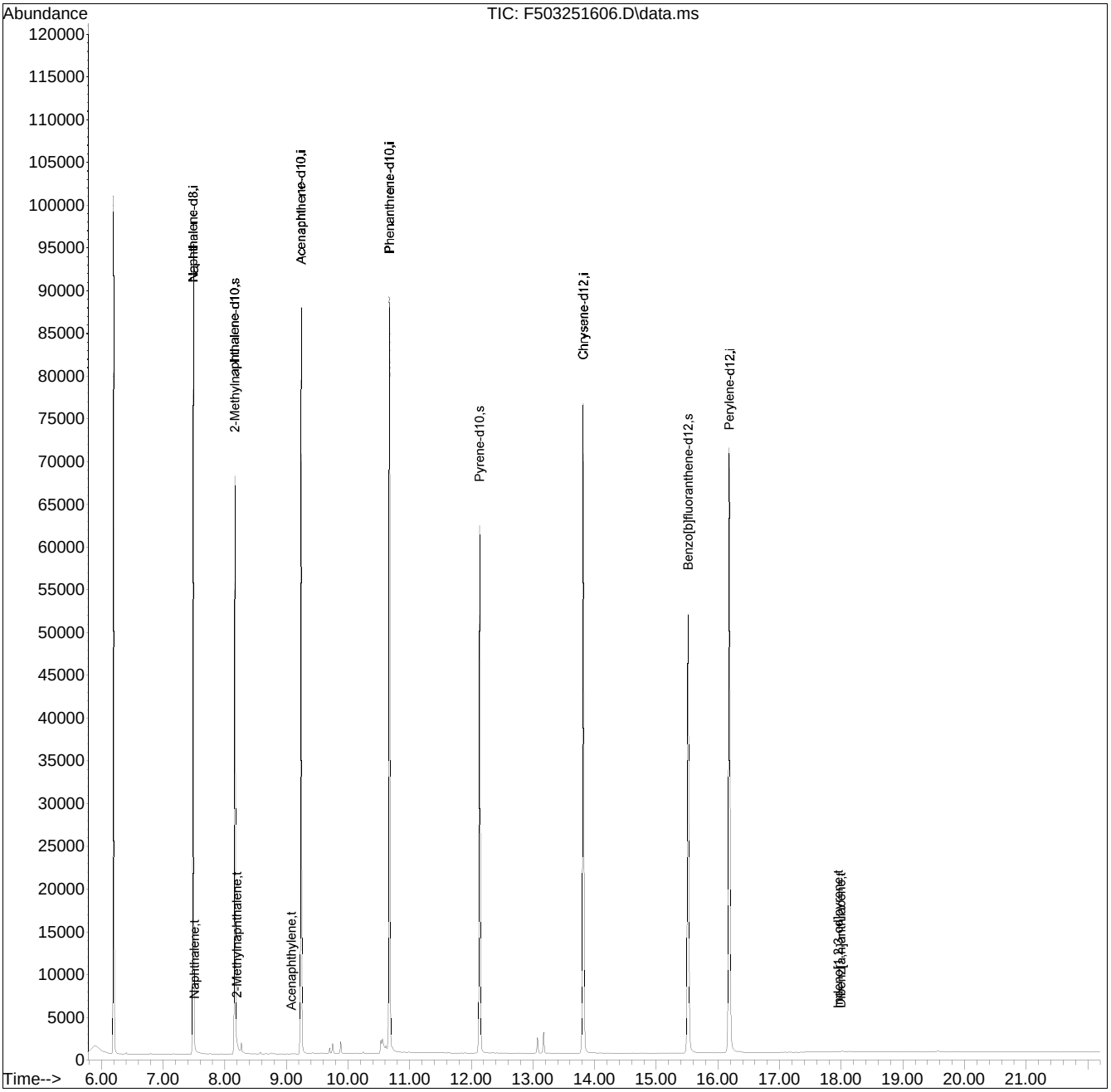
(#) = qualifier out of range (m) = manual integration (+) = signals summed

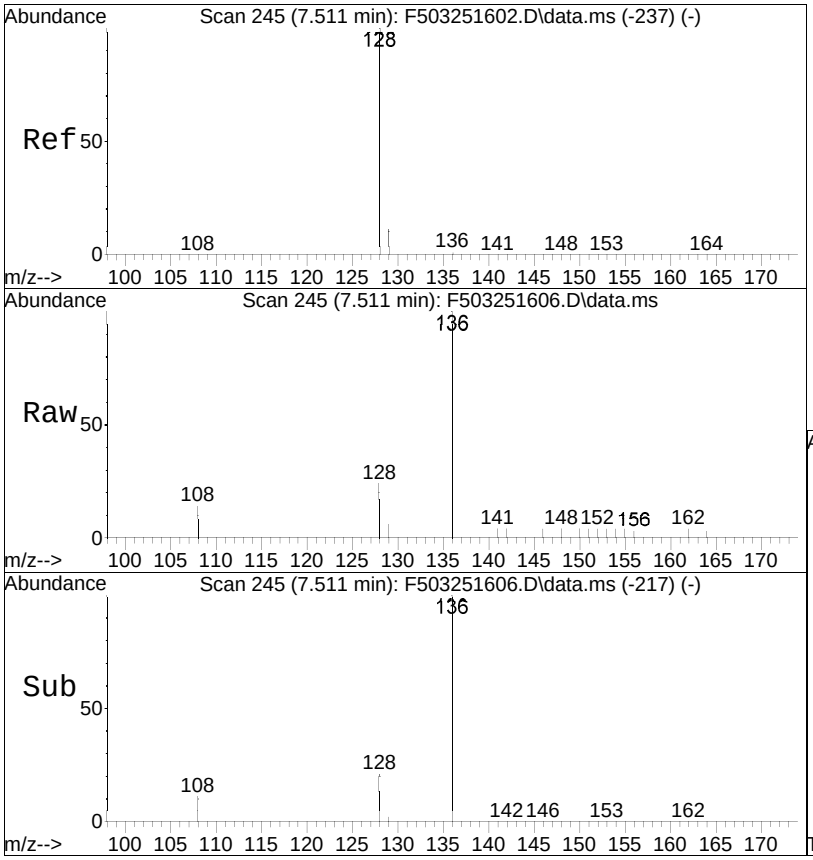
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251606.D
Acq On : 25 Mar 2016 1:17 pm
Operator : PAH5:sf
Sample : WG876674-1
Misc : WG877452,WG876674,ICAL12131
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 30 14:48:22 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

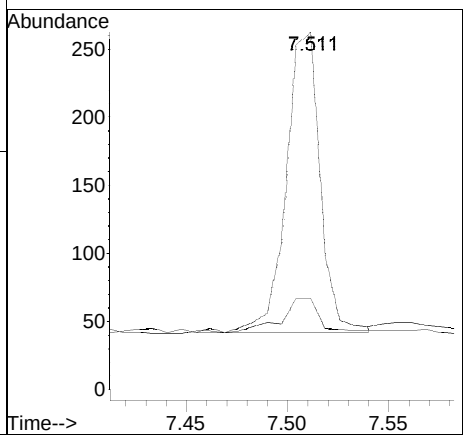


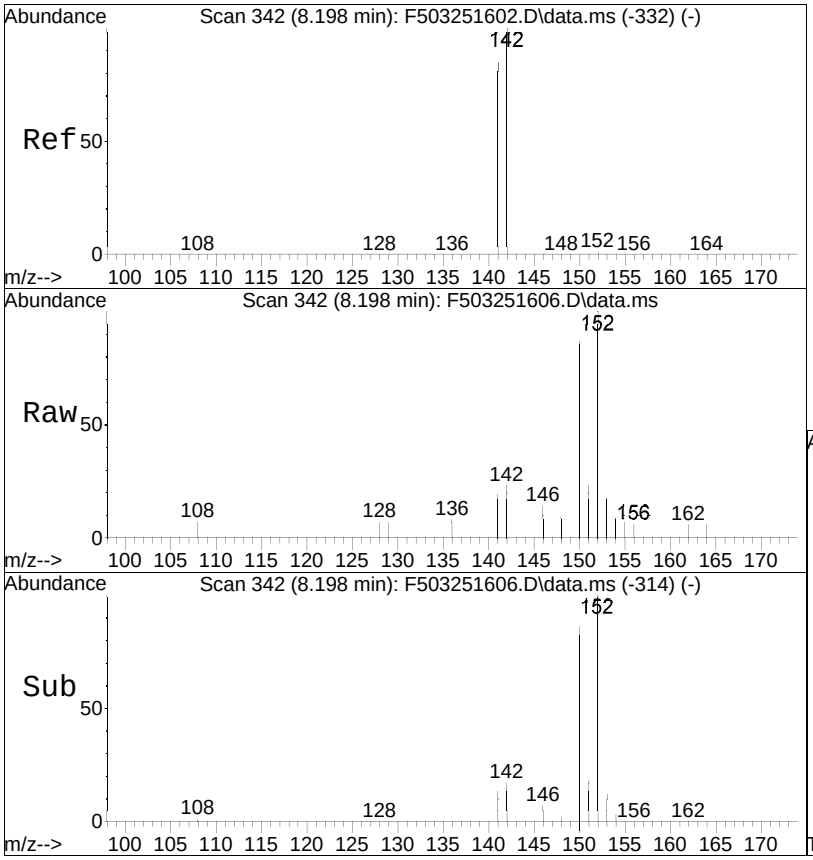


#2
Naphthalene
Concen: 1.41 ng/mL
RT: 7.511 min Scan# 245
Delta R.T. 0.000 min
Lab File: F503251606.D
Acq: 25 Mar 2016 1:17 pm

Tgt Ion:128 Resp: 254

Ion	Ratio	Lower	Upper
128	100		
129	25.6	9.2	13.8#

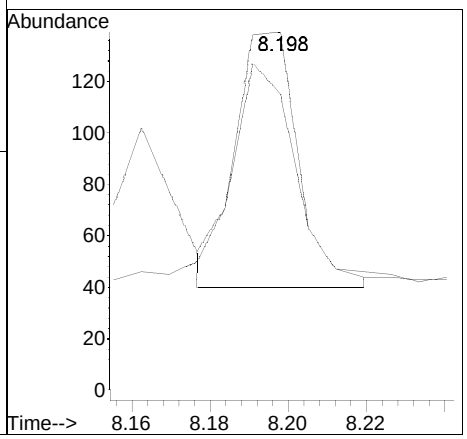


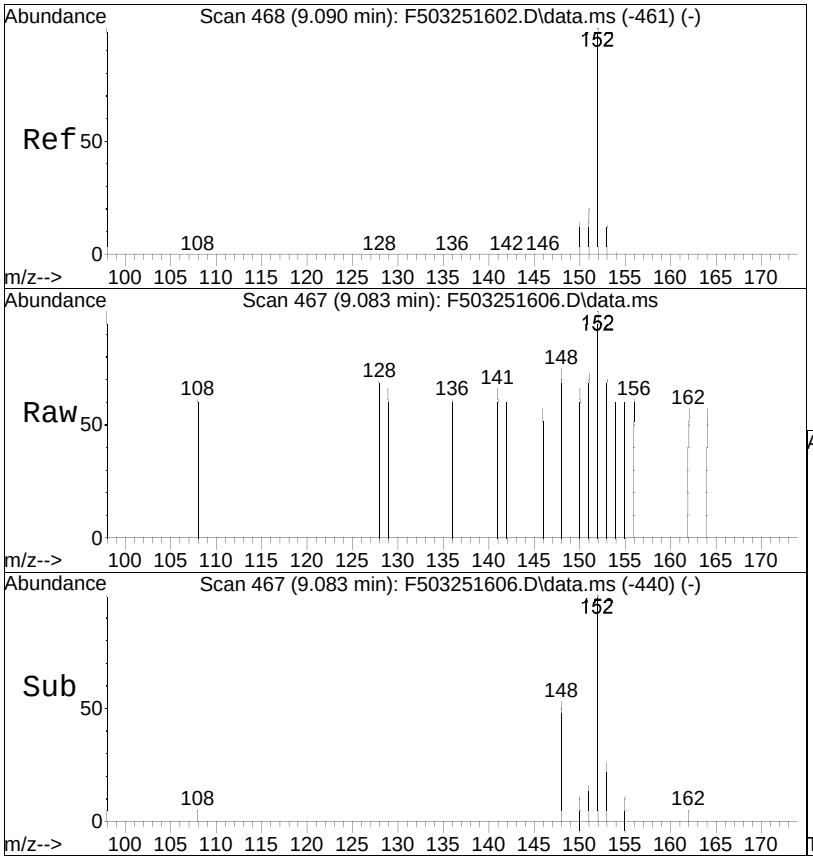


#5
2-Methylnaphthalene
Concen: 0.93 ng/mL M4
RT: 8.198 min Scan# 342
Delta R.T. 0.000 min
Lab File: F503251606.D
Acq: 25 Mar 2016 1:17 pm

Tgt Ion:142 Resp: 111

Ion	Ratio	Lower	Upper
142	100		
141	82.7	70.9	106.3

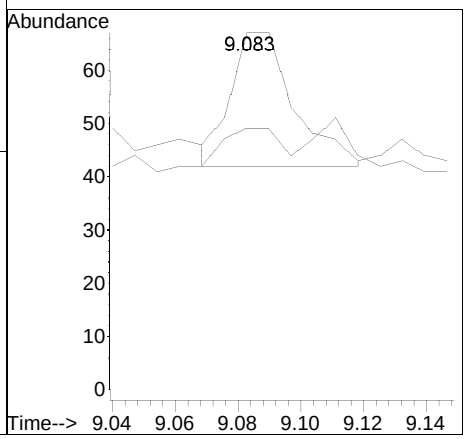


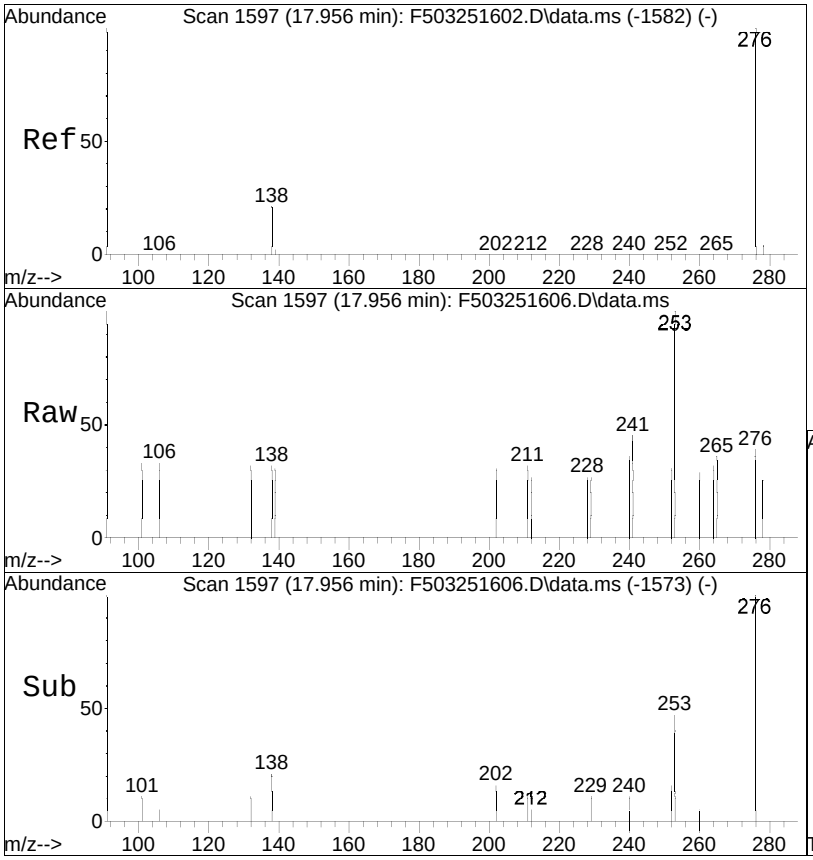


#12
Acenaphthylene
Concen: 1.44 ng/mL M4
RT: 9.083 min Scan# 467
Delta R.T. -0.007 min
Lab File: F503251606.D
Acq: 25 Mar 2016 1:17 pm

Tgt Ion:152 Resp: 35

Ion	Ratio	Lower	Upper
152	100		
151	73.1	16.1	24.1#

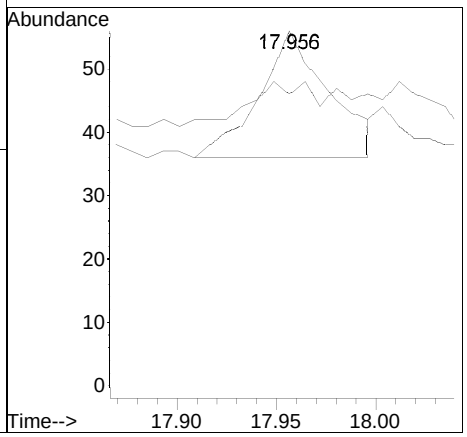


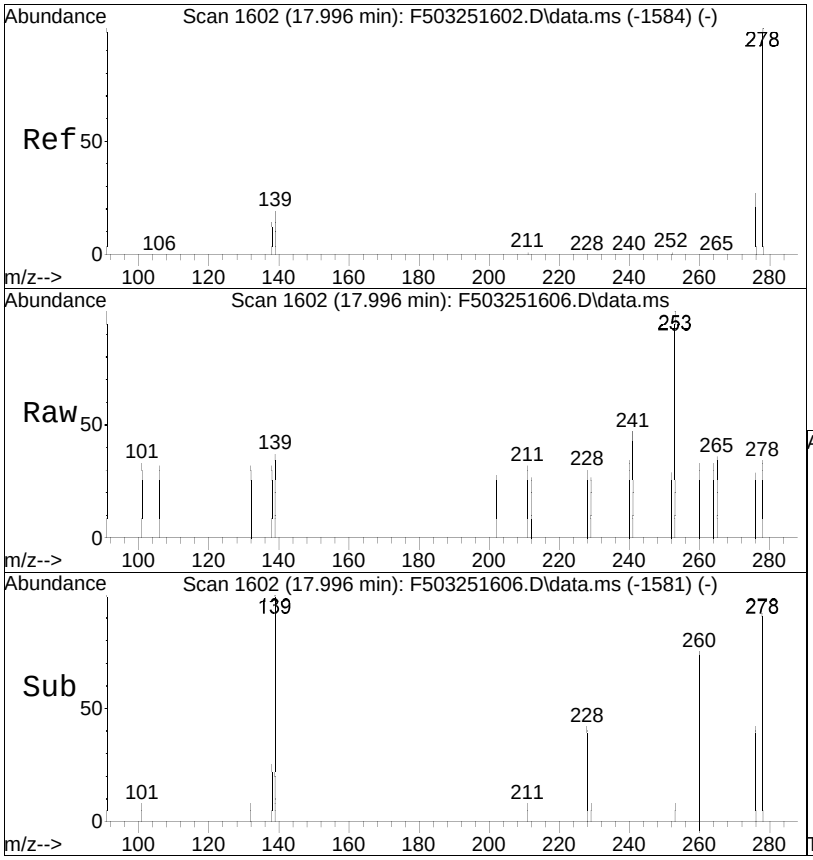


#37
Indeno[1,2,3-cd]pyrene
Concen: 6.77 ng/mL M3
RT: 17.956 min Scan# 1597
Delta R.T. 0.000 min
Lab File: F503251606.D
Acq: 25 Mar 2016 1:17 pm

Tgt Ion:276 Resp: 49

Ion	Ratio	Lower	Upper
276	100		
138	82.1	31.1	46.7#

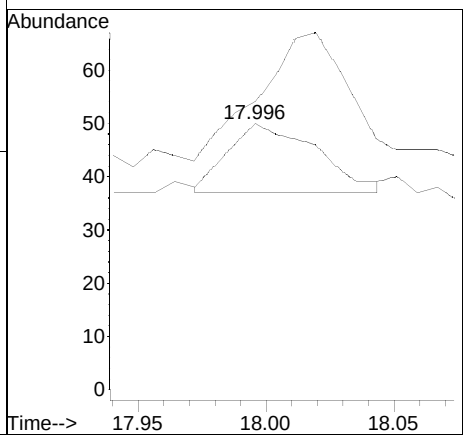




#38
Dibenz[a,h]anthracene
Concen: 5.08 ng/mL M4
RT: 17.996 min Scan# 1602
Delta R.T. 0.000 min
Lab File: F503251606.D
Acq: 25 Mar 2016 1:17 pm

Tgt Ion:278 Resp: 31

Ion	Ratio	Lower	Upper
278	100		
139	108.0	27.5	41.3#



LCS Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251607.D
Acq On : 25 Mar 2016 1:47 pm
Operator : PAH5:sf
Sample : WG876674-2
Misc : WG877452,WG876674,ICAL12131
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 30 14:48:25 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.490	136	80067	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.239	164	37940	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.668	188	76556	500.000	ng/mL	0.00
24) Chrysene-d12	13.814	240	80208	500.000	ng/mL	0.00
29) Perylene-d12	16.181	264	74822	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.170	152	32552	357.373	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 7.15%#			
25) Pyrene-d10	12.133	212	54538	371.846	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 7.44%#			
31) Benzo[b]fluoranthene-d12	15.518	264	52302	405.522	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.11%#			
Target Compounds						Qvalue
2) Naphthalene	7.512	128	64709	379.839	ng/mL	99
5) 2-Methylnaphthalene	8.198	142	43616	384.420	ng/mL	95
12) Acenaphthylene	9.090	152	65611	393.840	ng/mL	98
13) Acenaphthene	9.267	153	43871	397.621	ng/mL	100
15) Fluorene	9.755	166	49927	411.523	ng/mL	99
19) Phenanthrene	10.692	178	76241	406.608	ng/mL	99
20) Anthracene	10.739	178	67636	389.009	ng/mL	99
23) Fluoranthene	11.897	202	82658	418.671	ng/mL	94
26) Pyrene	12.157	202	89040	384.981	ng/mL#	87
27) Benz[a]anthracene	13.790	228	74821	405.891	ng/mL	98
28) Chrysene	13.853	228	78220	396.041	ng/mL	98
32) Benzo[b]fluoranthene	15.558	252	81568	435.329	ng/mL	97
33) Benzo[k]fluoranthene	15.597	252	78667	466.287	ng/mL	98
35) Benzo[a]pyrene	16.086	252	70267M4	400.154	ng/mL	
37) Indeno[1,2,3-cd]pyrene	17.949	276	65971M3	389.081	ng/mL	
38) Dibenz[a,h]anthracene	17.996	278	69220	397.526	ng/mL#	73
39) Benzo[g,h,i]perylene	18.414	276	72710	436.629	ng/mL	88

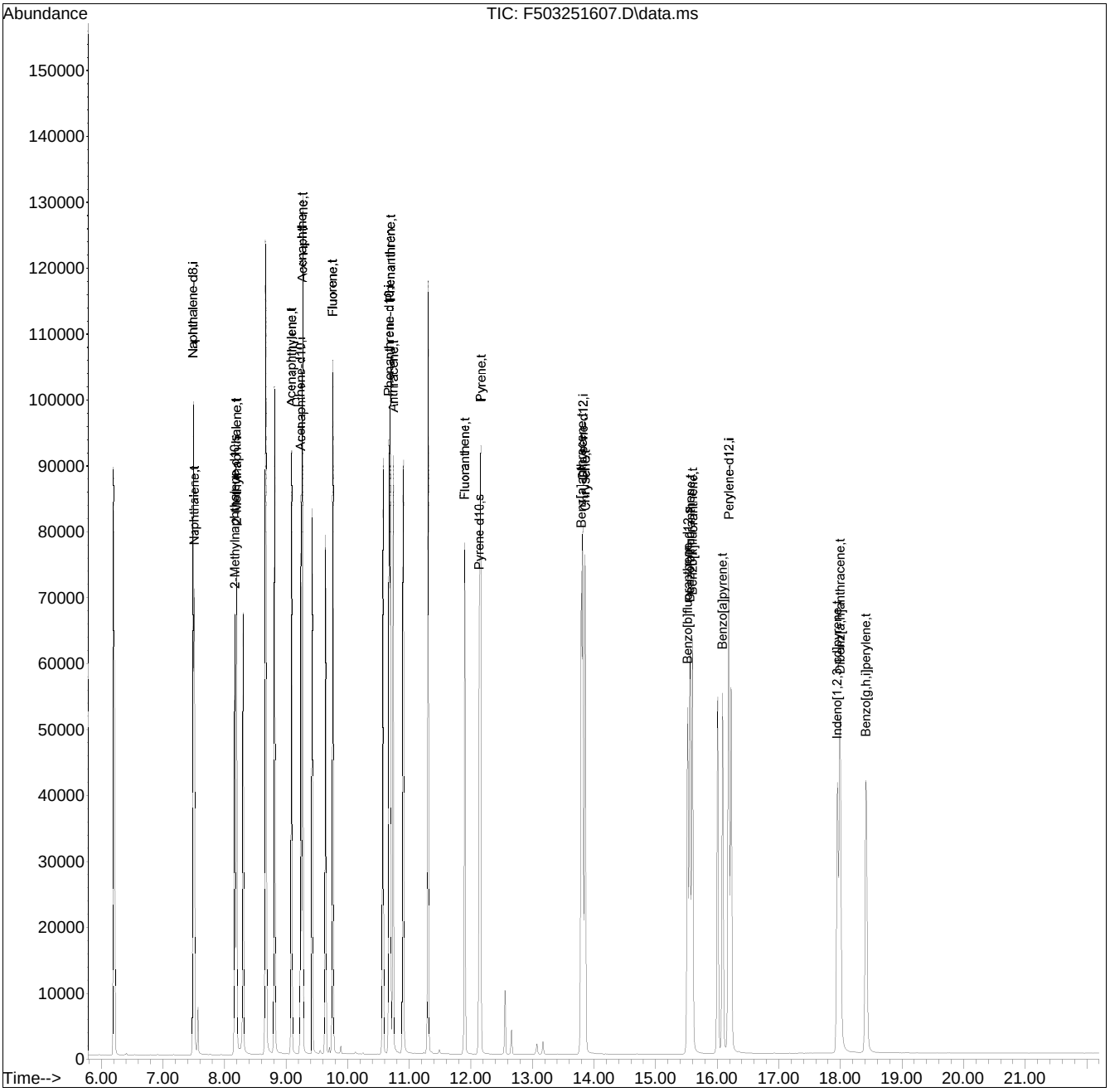
(#) = qualifier out of range (m) = manual integration (+) = signals summed

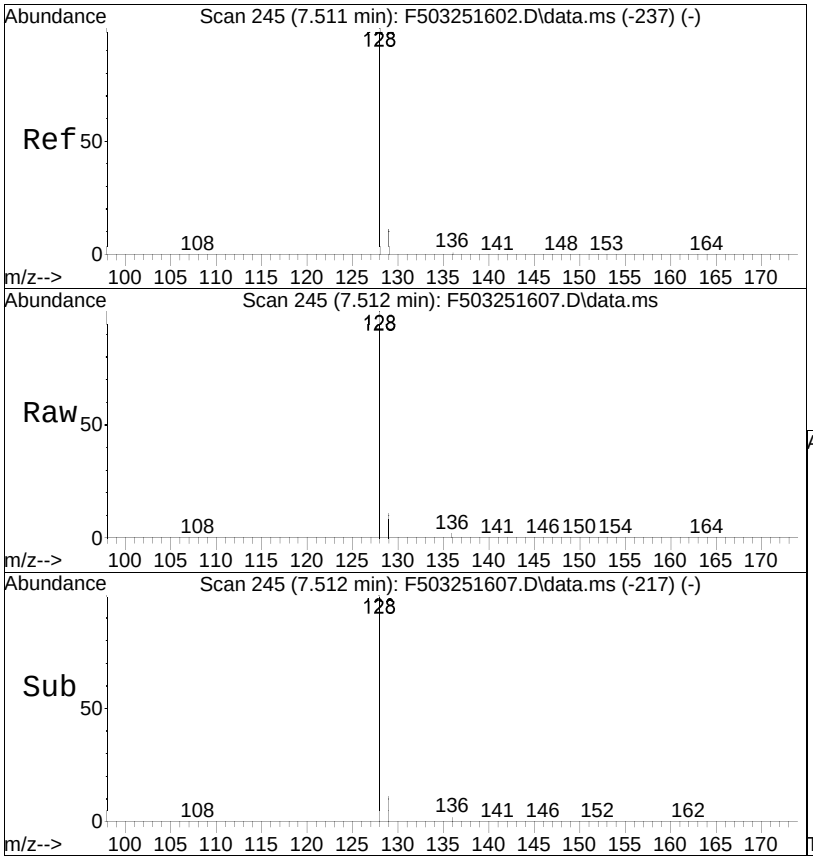
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251607.D
Acq On : 25 Mar 2016 1:47 pm
Operator : PAH5:sf
Sample : WG876674-2
Misc : WG877452,WG876674,ICAL12131
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 30 14:48:25 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

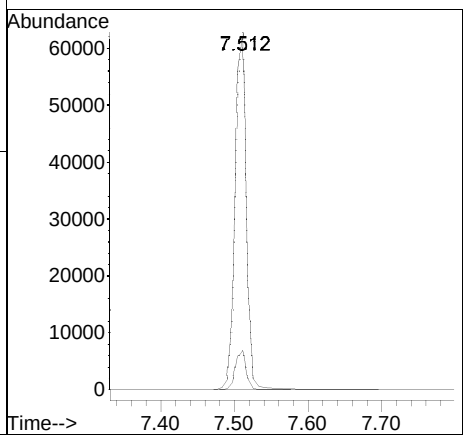


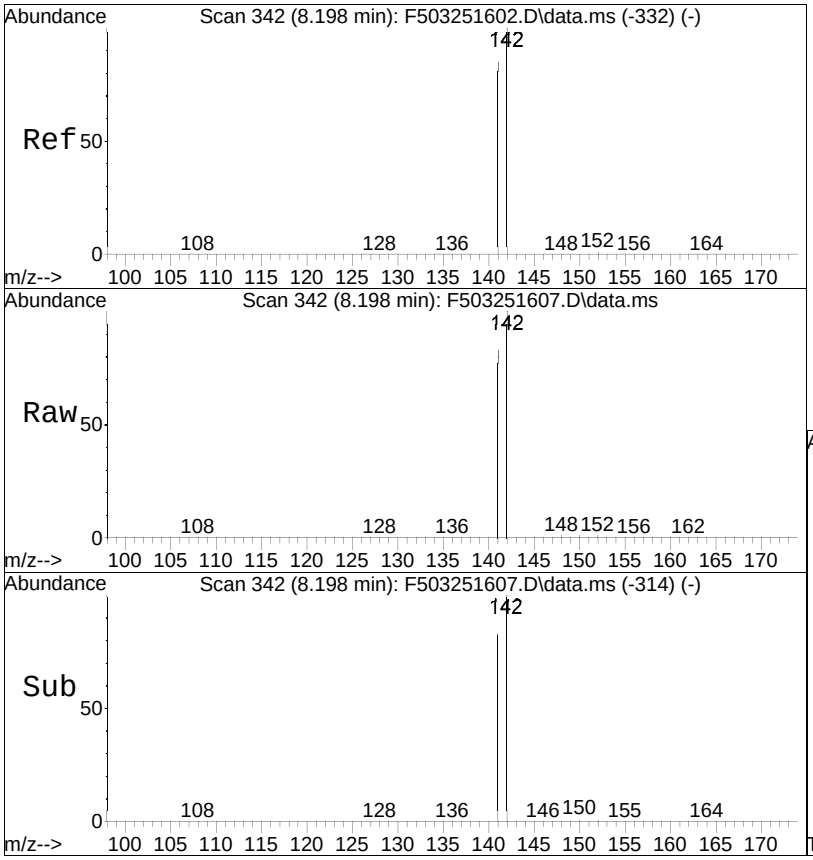


#2
Naphthalene
Concen: 379.84 ng/mL
RT: 7.512 min Scan# 245
Delta R.T. 0.000 min
Lab File: F503251607.D
Acq: 25 Mar 2016 1:47 pm

Tgt Ion:128 Resp: 64709

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.2	13.8

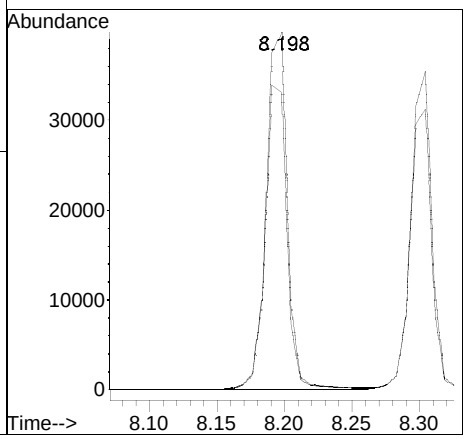


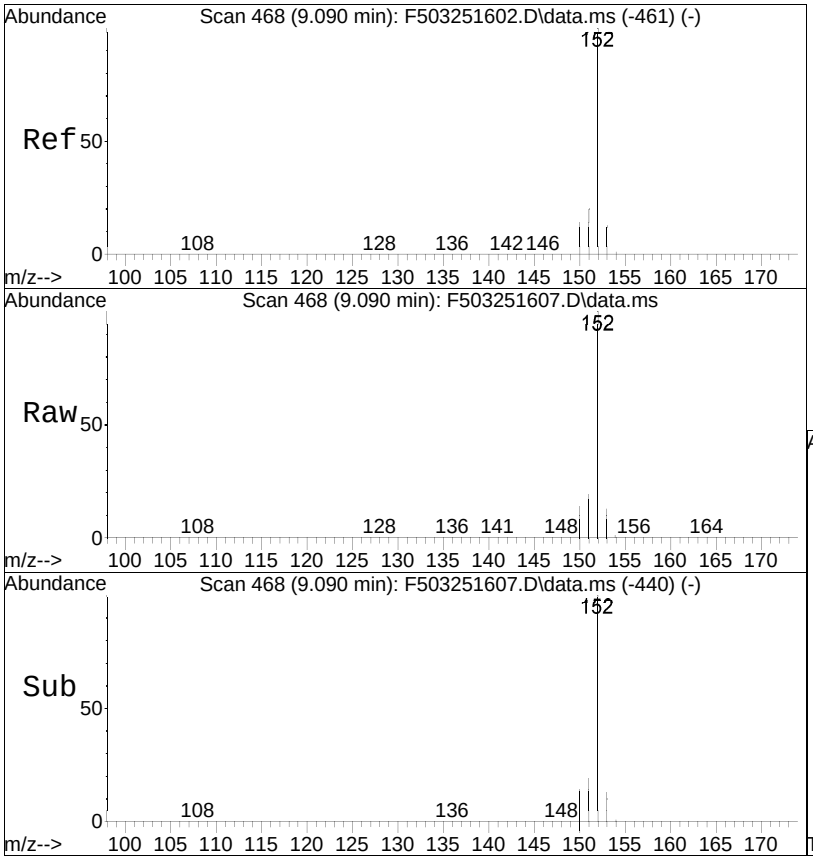


#5
2-Methylnaphthalene
Concen: 384.42 ng/mL
RT: 8.198 min Scan# 342
Delta R.T. 0.000 min
Lab File: F503251607.D
Acq: 25 Mar 2016 1:47 pm

Tgt Ion:142 Resp: 43616

Ion	Ratio	Lower	Upper
142	100		
141	83.5	70.9	106.3

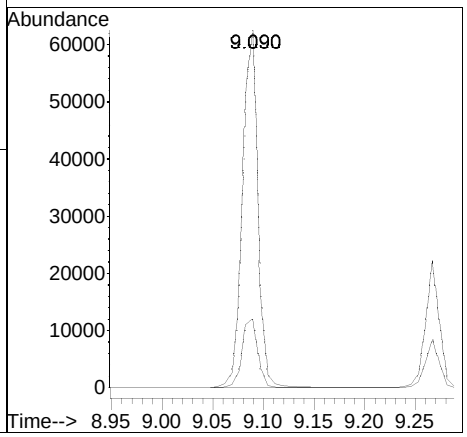


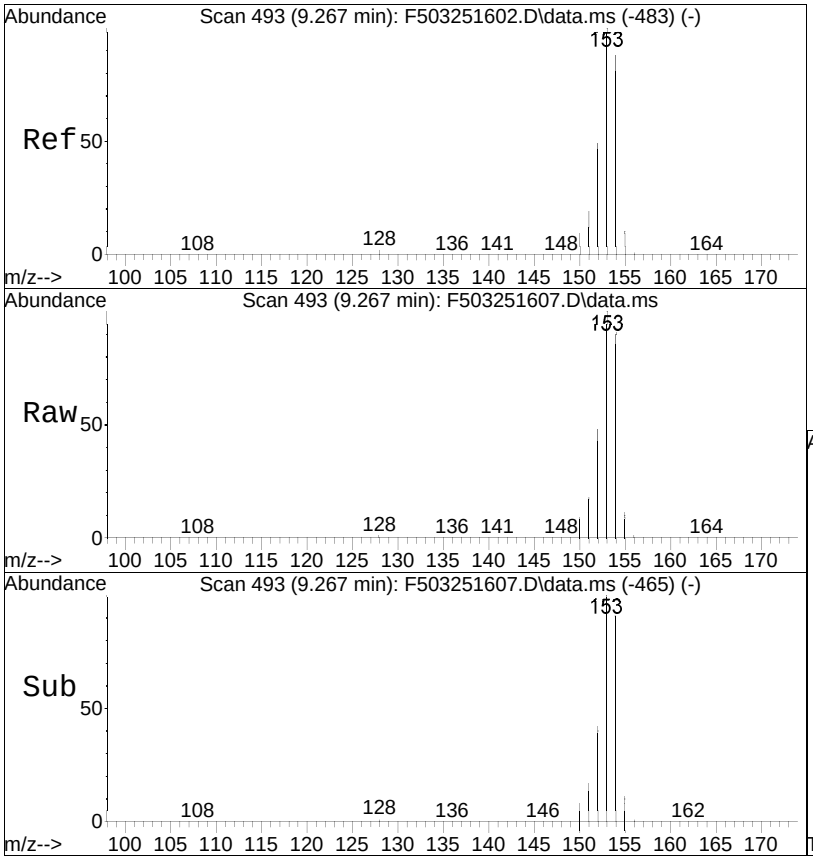


#12
Acenaphthylene
Concen: 393.84 ng/mL
RT: 9.090 min Scan# 468
Delta R.T. 0.000 min
Lab File: F503251607.D
Acq: 25 Mar 2016 1:47 pm

Tgt Ion:152 Resp: 65611

Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.1	24.1

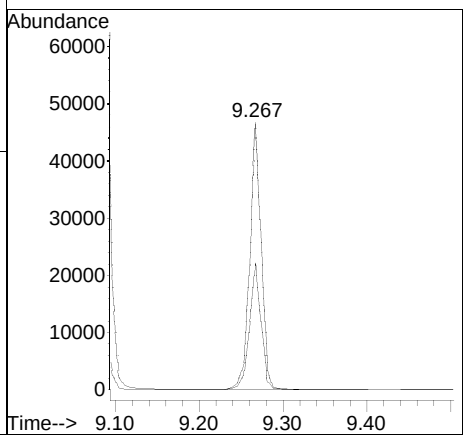


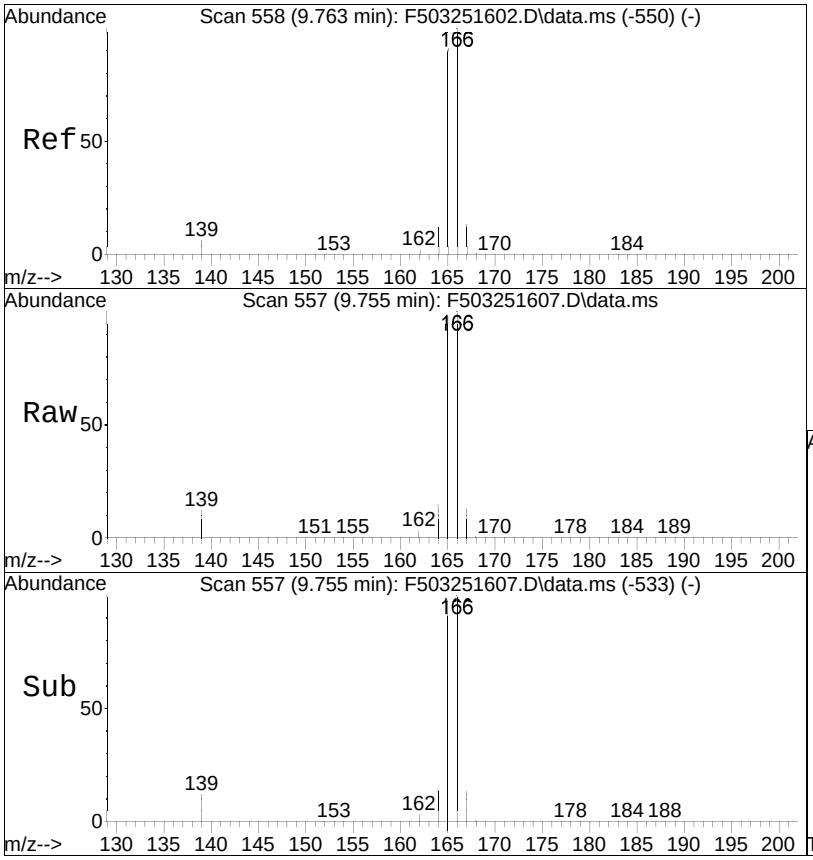


#13
Acenaphthene
Concen: 397.62 ng/mL
RT: 9.267 min Scan# 493
Delta R.T. 0.000 min
Lab File: F503251607.D
Acq: 25 Mar 2016 1:47 pm

Tgt Ion:153 Resp: 43871

Ion	Ratio	Lower	Upper
153	100		
152	47.5	37.8	56.8

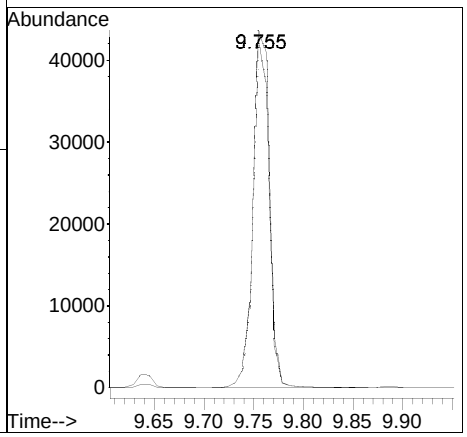


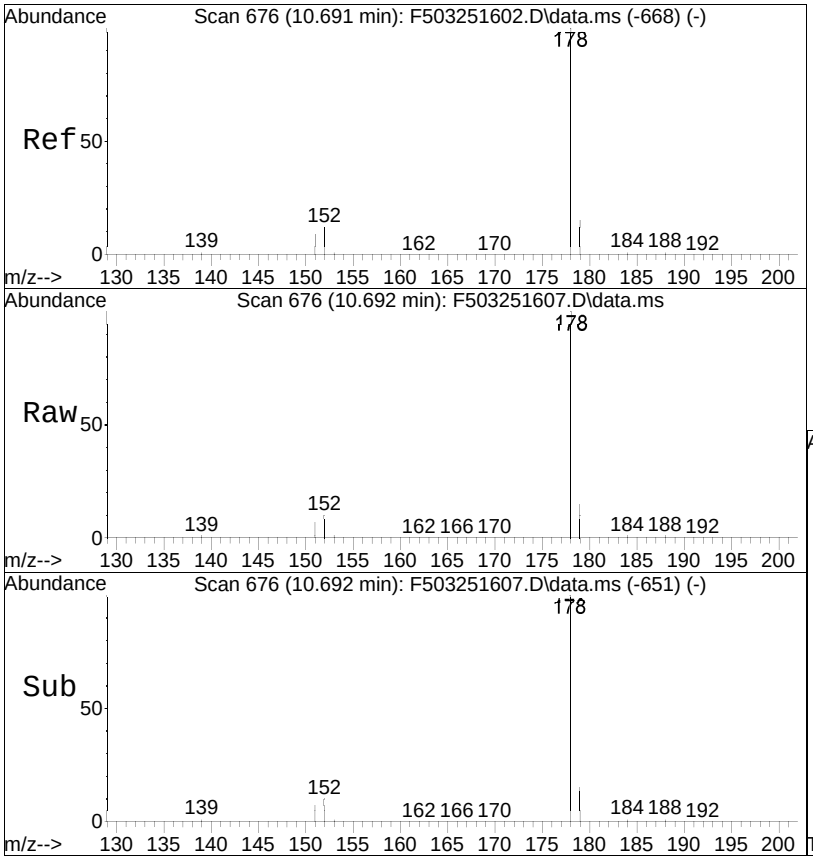


#15
Fluorene
Concen: 411.52 ng/mL
RT: 9.755 min Scan# 557
Delta R.T. -0.008 min
Lab File: F503251607.D
Acq: 25 Mar 2016 1:47 pm

Tgt Ion:166 Resp: 49927

Ion	Ratio	Lower	Upper
166	100		
165	97.8	77.3	115.9

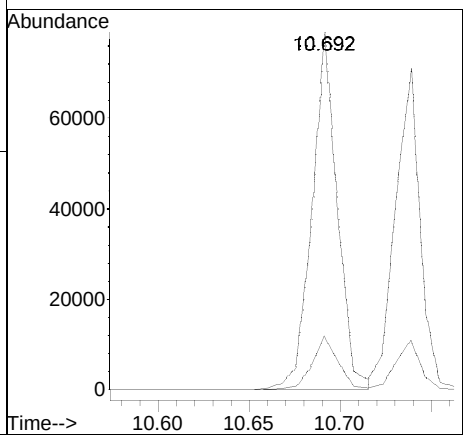


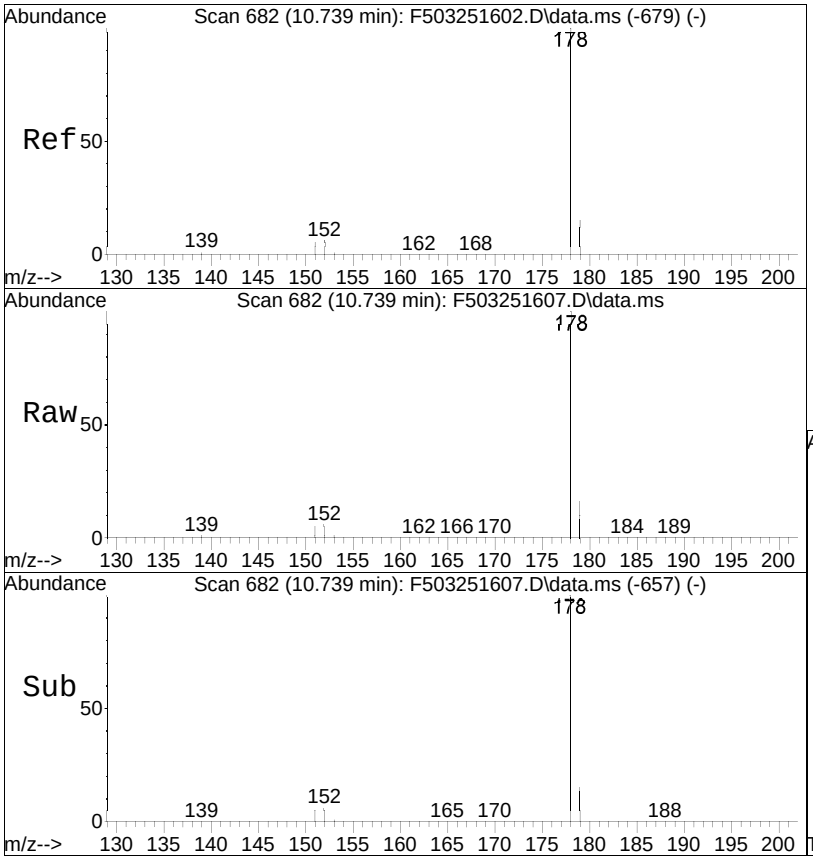


#19
Phenanthrene
Concen: 406.61 ng/mL
RT: 10.692 min Scan# 676
Delta R.T. 0.000 min
Lab File: F503251607.D
Acq: 25 Mar 2016 1:47 pm

Tgt Ion:178 Resp: 76241

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.4	18.6

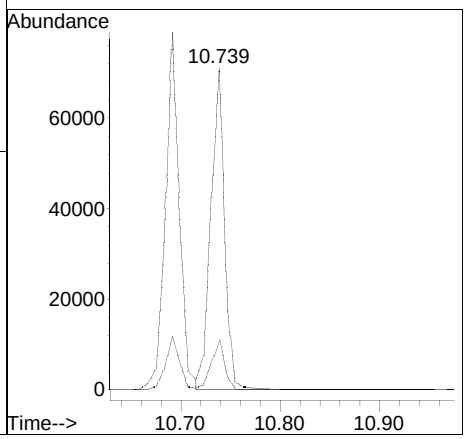


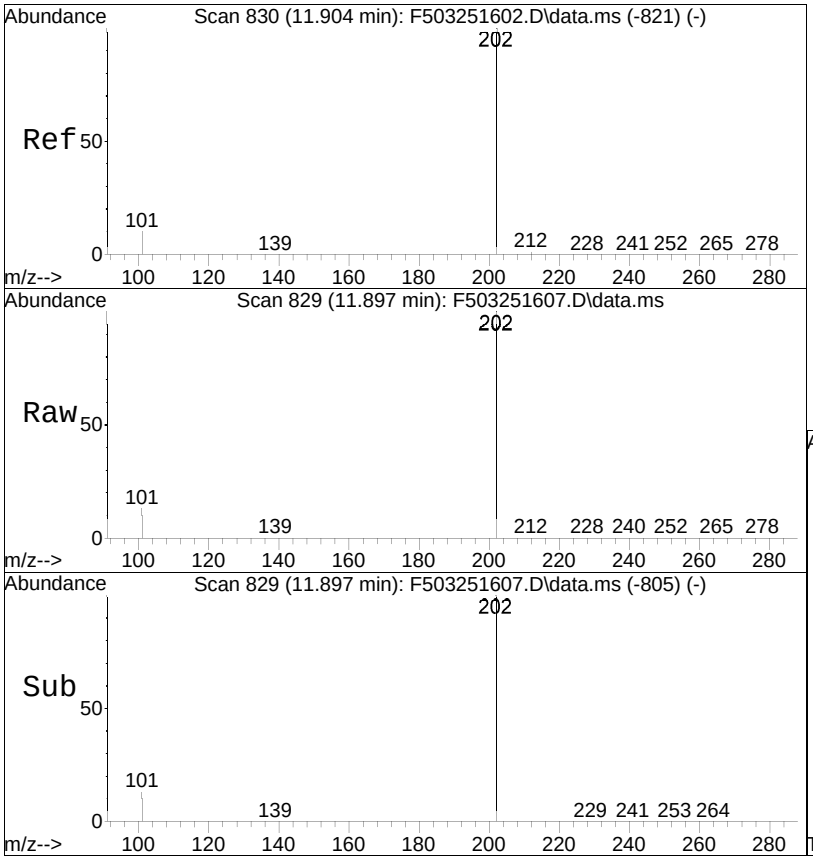


#20
Anthracene
Concen: 389.01 ng/mL
RT: 10.739 min Scan# 682
Delta R.T. 0.000 min
Lab File: F503251607.D
Acq: 25 Mar 2016 1:47 pm

Tgt Ion:178 Resp: 67636

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.6	19.0

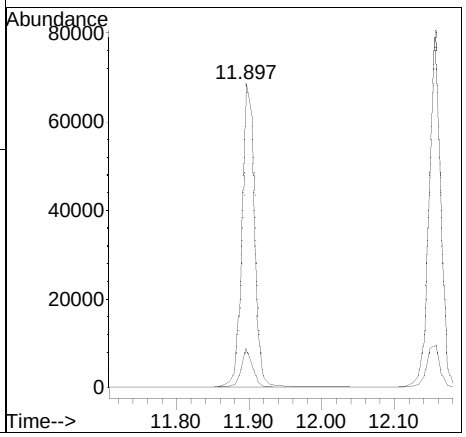


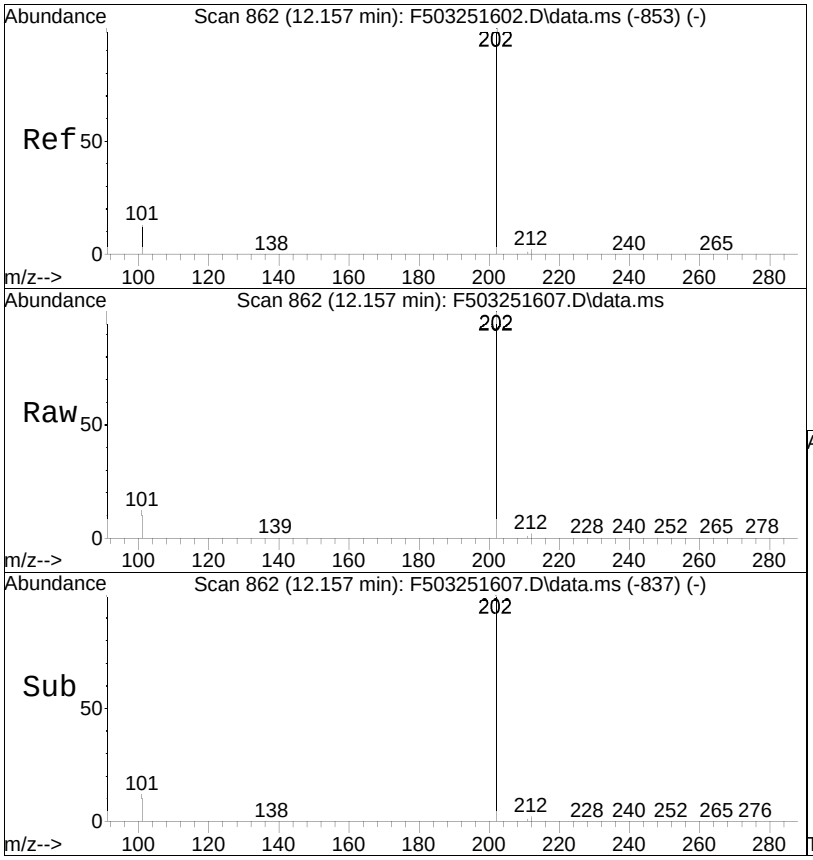


#23
Fluoranthene
Concen: 418.67 ng/mL
RT: 11.897 min Scan# 829
Delta R.T. -0.008 min
Lab File: F503251607.D
Acq: 25 Mar 2016 1:47 pm

Tgt Ion:202 Resp: 82658

Ion	Ratio	Lower	Upper
202	100		
101	13.1	12.6	19.0

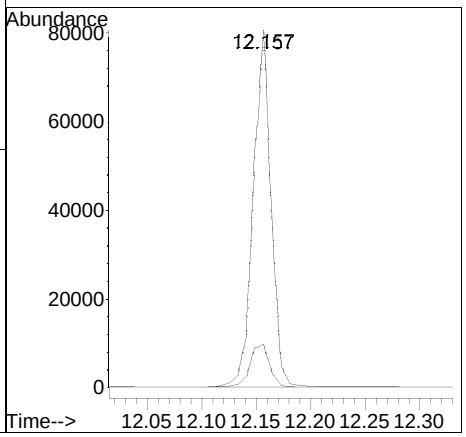


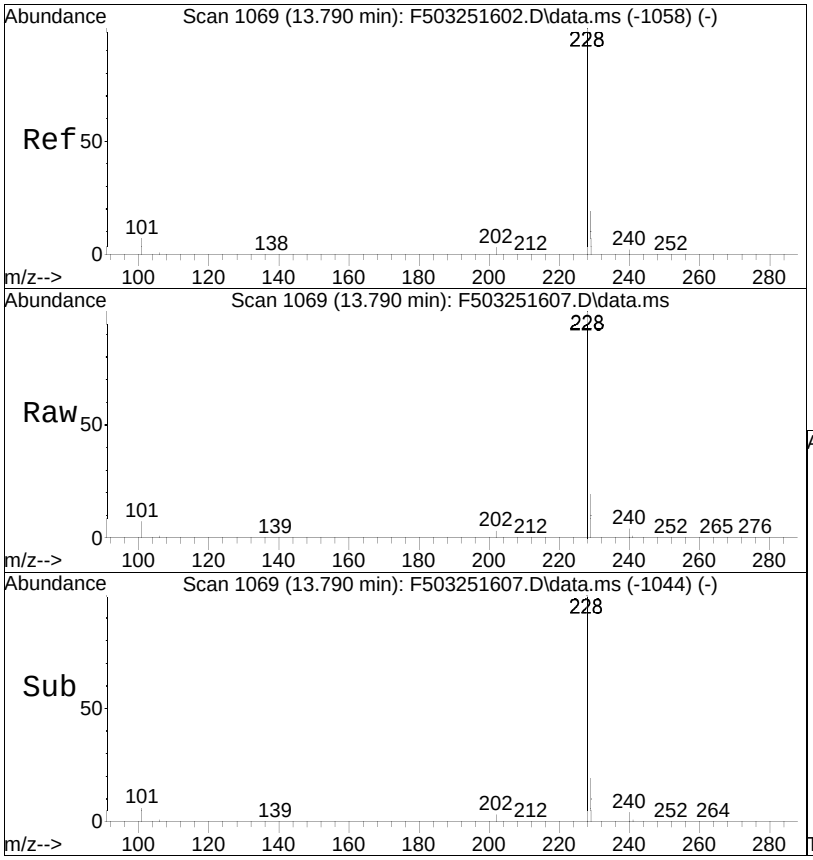


#26
Pyrene
Concen: 384.98 ng/mL
RT: 12.157 min Scan# 862
Delta R.T. 0.000 min
Lab File: F503251607.D
Acq: 25 Mar 2016 1:47 pm

Tgt Ion:202 Resp: 89040

Ion	Ratio	Lower	Upper
202	100		
101	12.2	14.4	21.6#

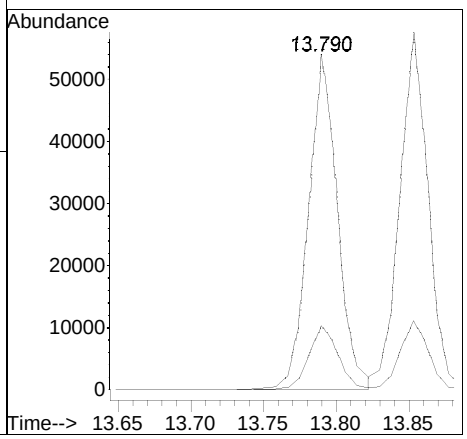


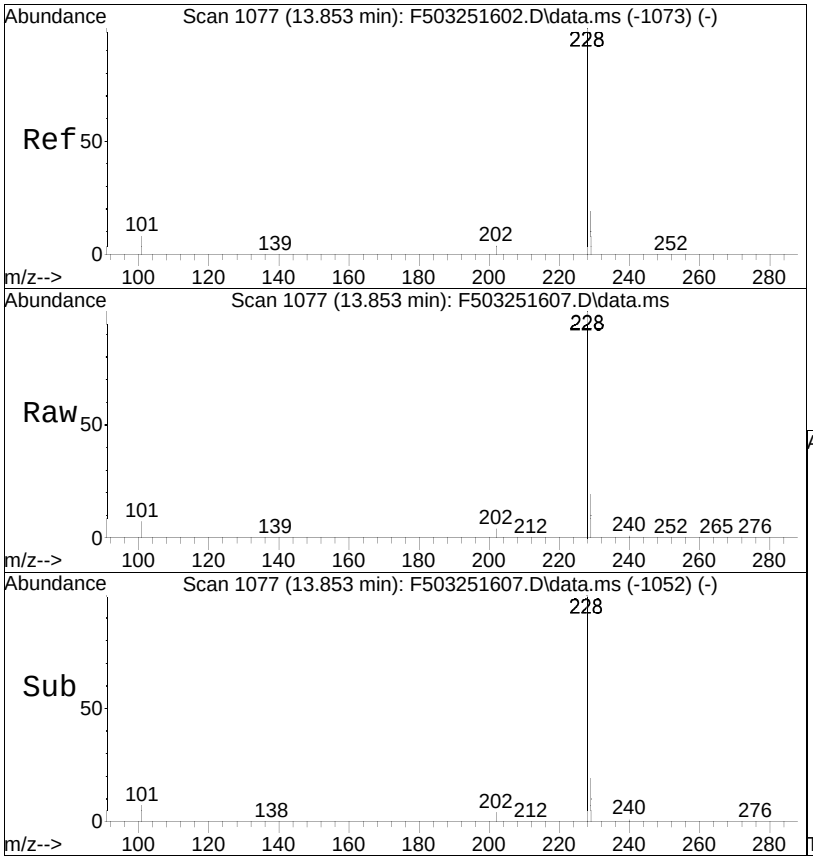


#27
Benz[a]anthracene
Concen: 405.89 ng/mL
RT: 13.790 min Scan# 1069
Delta R.T. 0.000 min
Lab File: F503251607.D
Acq: 25 Mar 2016 1:47 pm

Tgt Ion:228 Resp: 74821

Ion	Ratio	Lower	Upper
228	100		
229	19.1	16.2	24.2

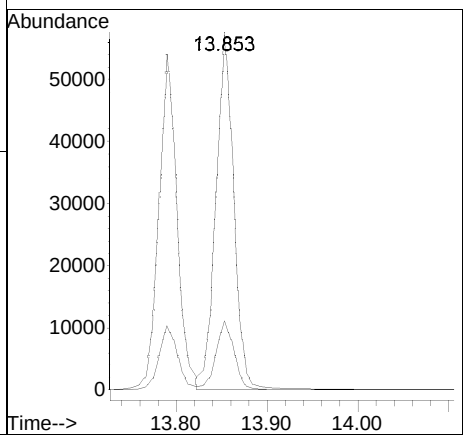


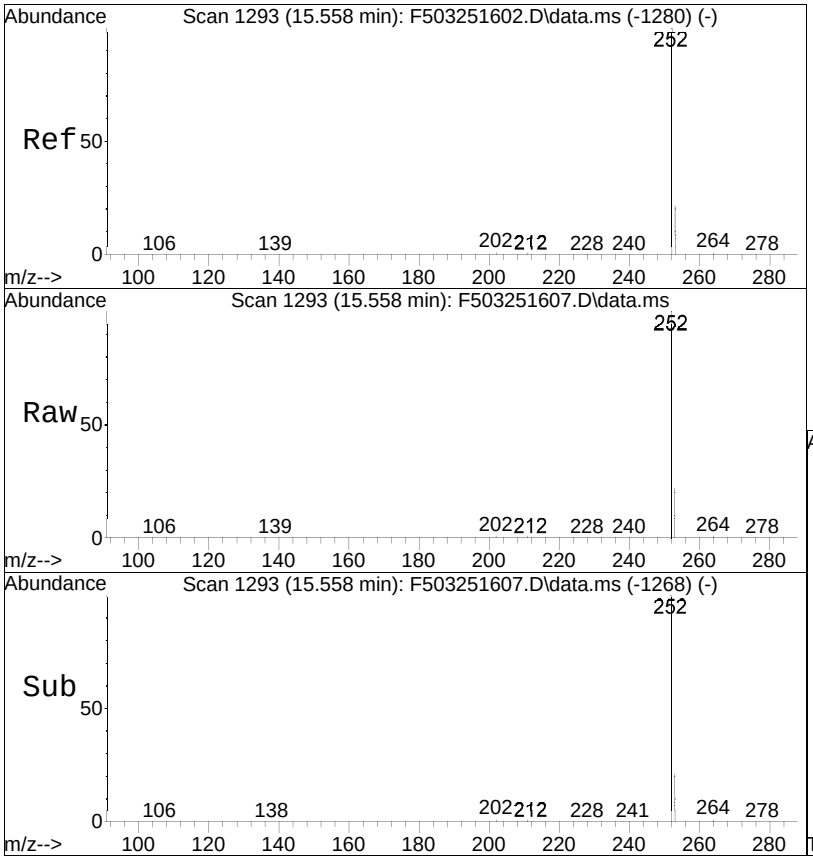


#28
Chrysene
Concen: 396.04 ng/mL
RT: 13.853 min Scan# 1077
Delta R.T. 0.000 min
Lab File: F503251607.D
Acq: 25 Mar 2016 1:47 pm

Tgt Ion:228 Resp: 78220

Ion	Ratio	Lower	Upper
228	100		
229	19.3	16.1	24.1

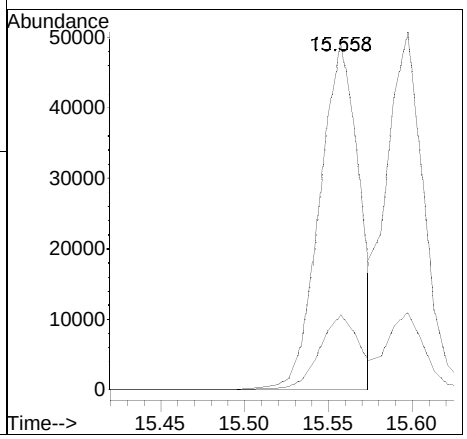


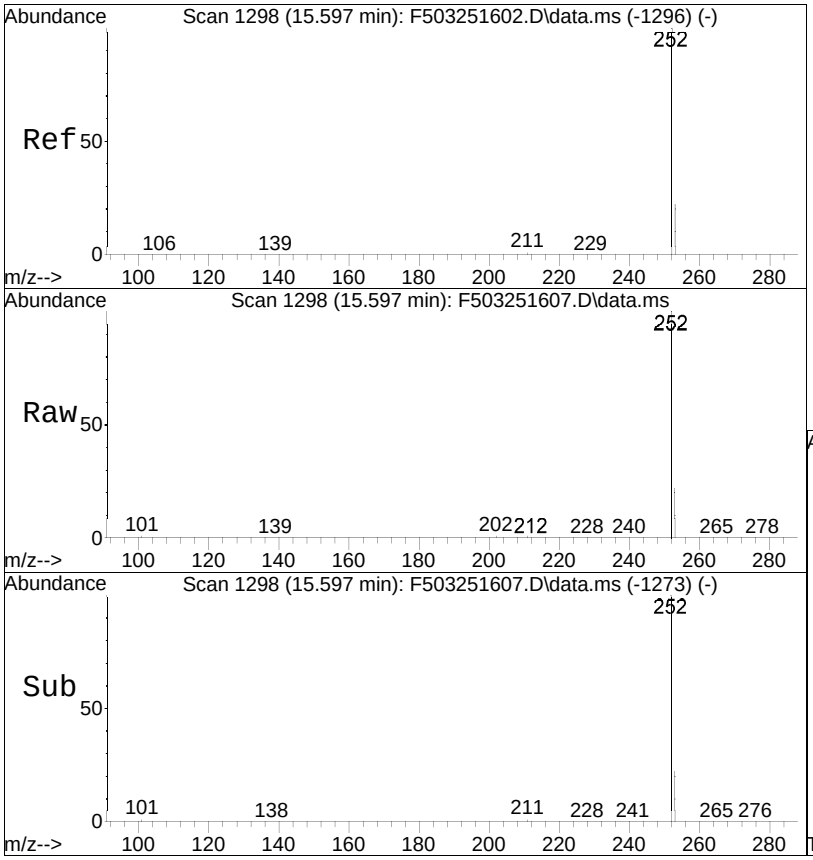


#32
Benzo[b]fluoranthene
Concen: 435.33 ng/mL
RT: 15.558 min Scan# 1293
Delta R.T. 0.000 min
Lab File: F503251607.D
Acq: 25 Mar 2016 1:47 pm

Tgt Ion:252 Resp: 81568

Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.2	27.4

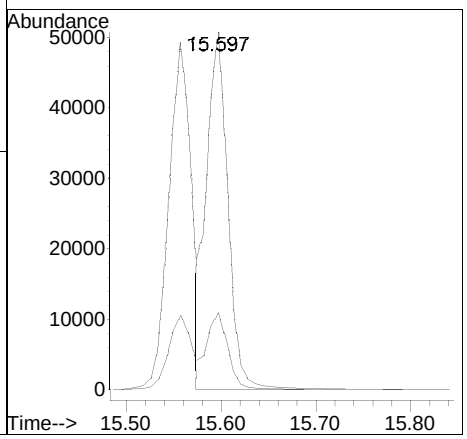


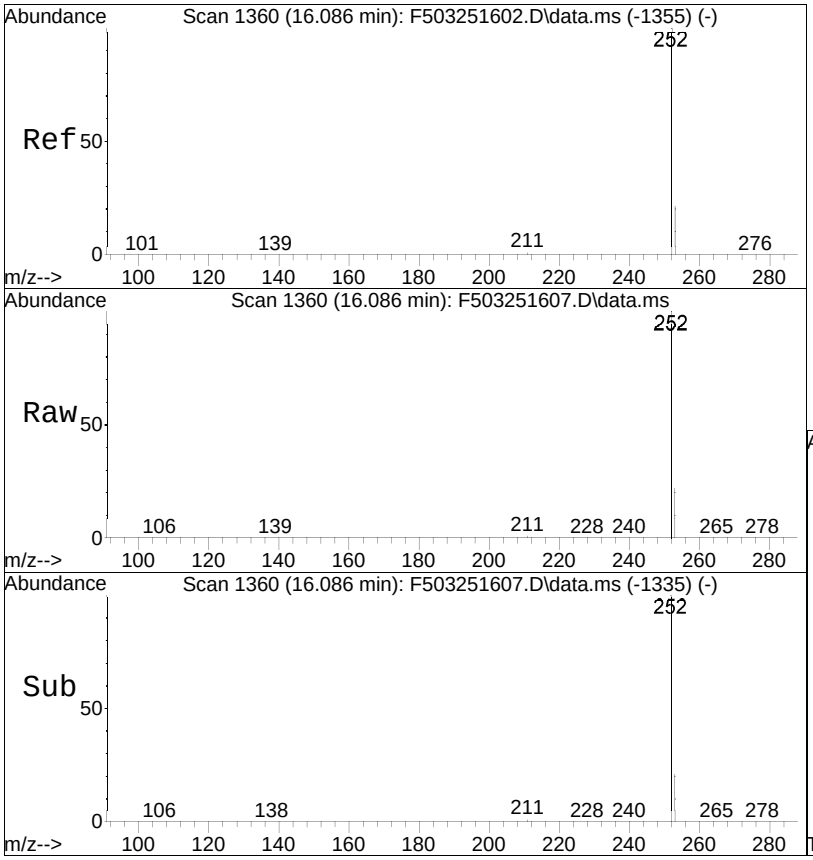


#33
Benzo[k]fluoranthene
Concen: 466.29 ng/mL
RT: 15.597 min Scan# 1298
Delta R.T. 0.000 min
Lab File: F503251607.D
Acq: 25 Mar 2016 1:47 pm

Tgt Ion:252 Resp: 78667

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.2

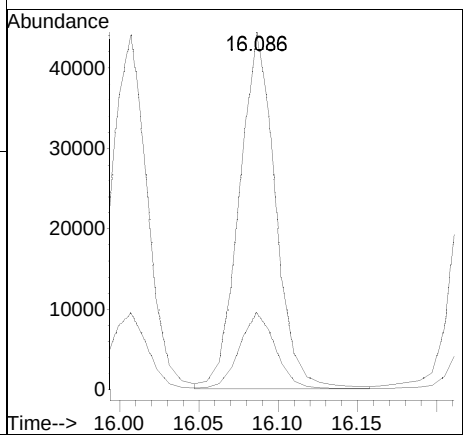


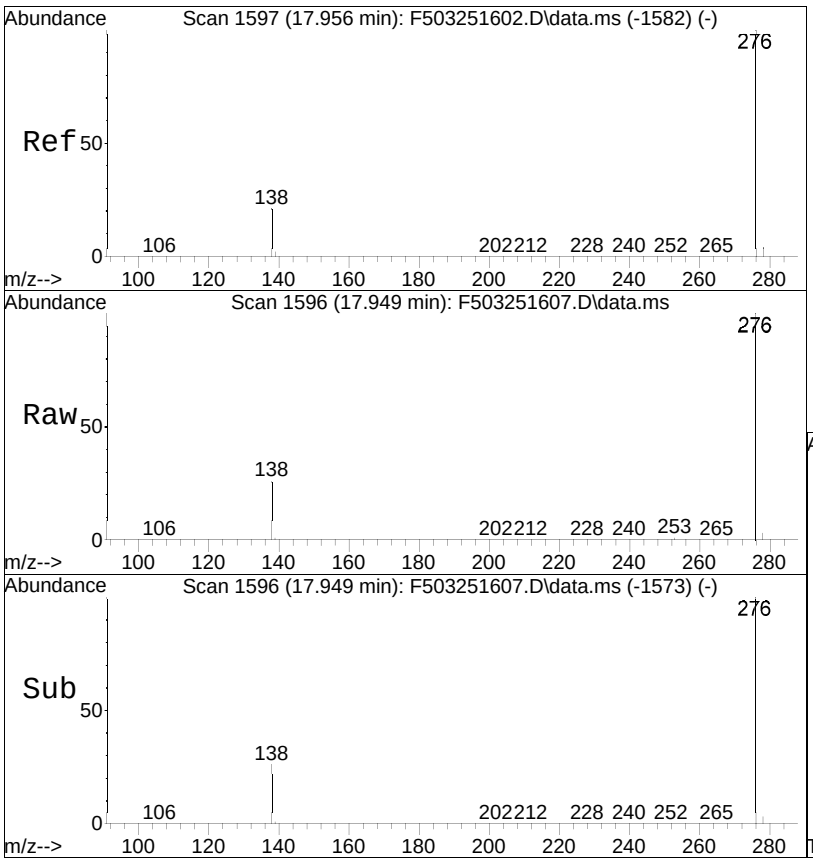


#35
Benzo[a]pyrene
Concen: 400.15 ng/mL M4
RT: 16.086 min Scan# 1360
Delta R.T. 0.000 min
Lab File: F503251607.D
Acq: 25 Mar 2016 1:47 pm

Tgt Ion:252 Resp: 70267

Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.6	27.8

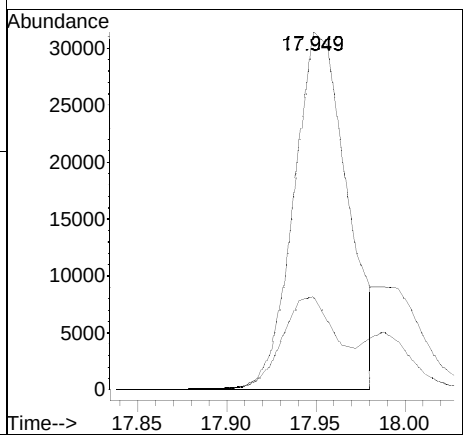


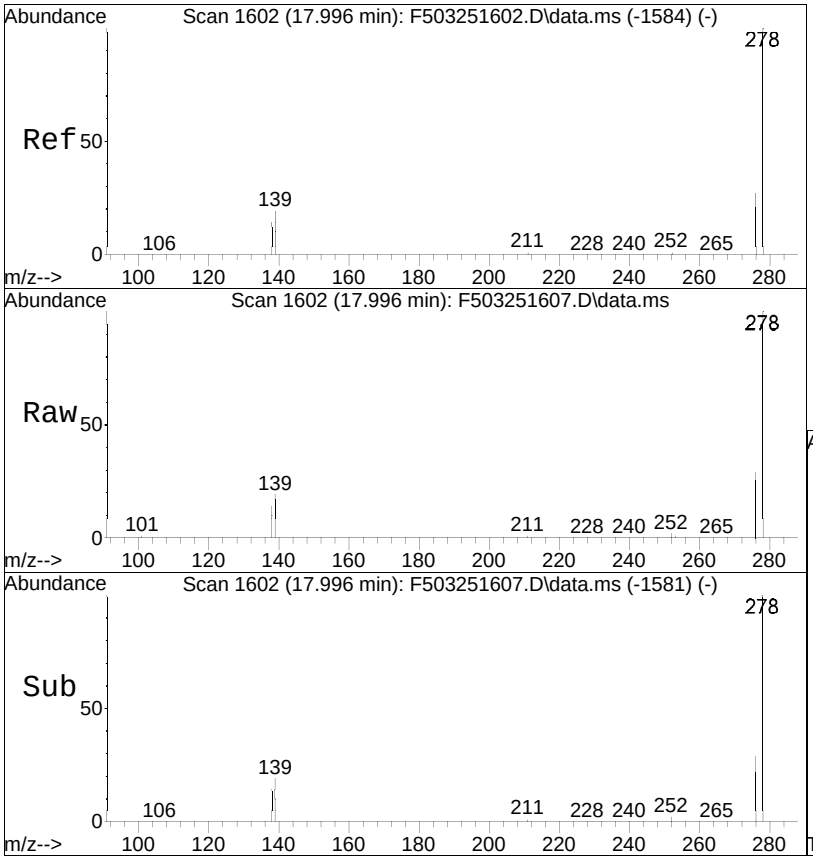


#37
Indeno[1,2,3-cd]pyrene
Concen: 389.08 ng/mL M3
RT: 17.949 min Scan# 1596
Delta R.T. -0.008 min
Lab File: F503251607.D
Acq: 25 Mar 2016 1:47 pm

Tgt Ion:276 Resp: 65971

Ion	Ratio	Lower	Upper
276	100		
138	26.1	31.1	46.7#

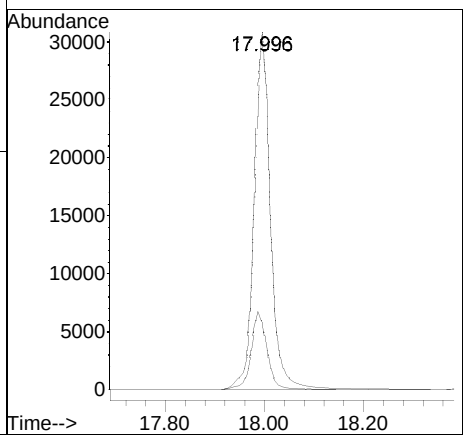


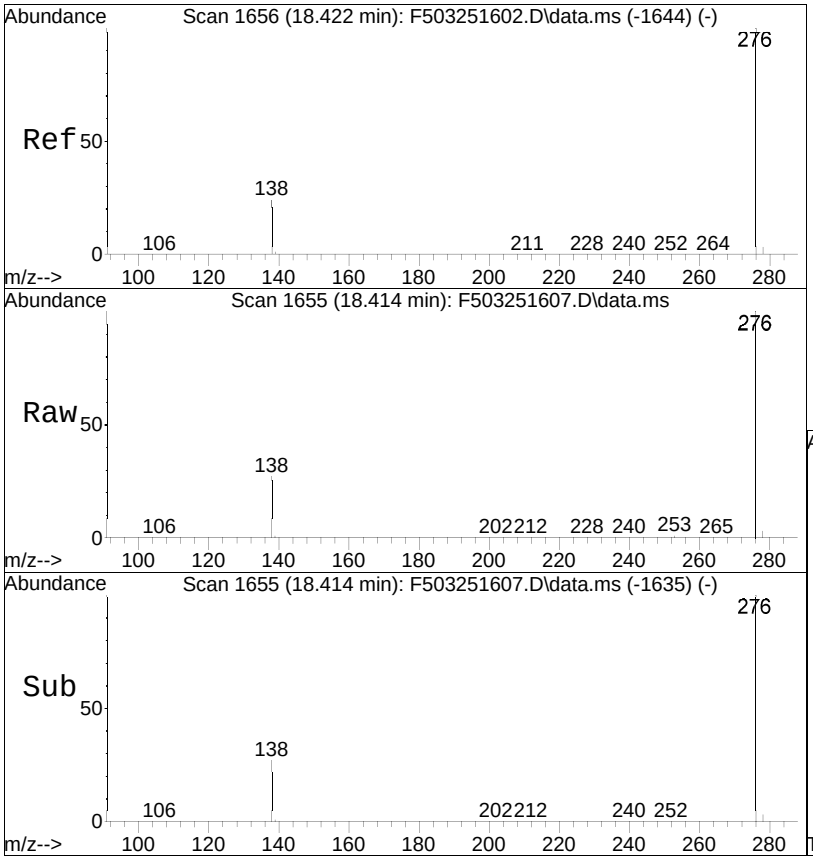


#38
Dibenz[a,h]anthracene
Concen: 397.53 ng/mL
RT: 17.996 min Scan# 1602
Delta R.T. 0.000 min
Lab File: F503251607.D
Acq: 25 Mar 2016 1:47 pm

Tgt Ion:278 Resp: 69220

Ion	Ratio	Lower	Upper
278	100		
139	19.1	27.5	41.3#

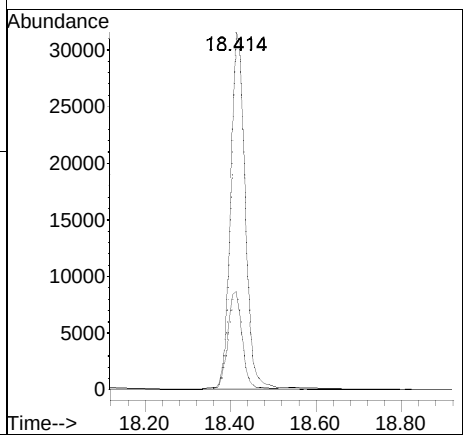




#39
Benzo[g,h,i]perylene
Concen: 436.63 ng/mL
RT: 18.414 min Scan# 1655
Delta R.T. -0.008 min
Lab File: F503251607.D
Acq: 25 Mar 2016 1:47 pm

Tgt Ion:276 Resp: 72710

Ion	Ratio	Lower	Upper
276	100		
138	27.5	27.4	41.2



LCS Duplicate Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251608.D
Acq On : 25 Mar 2016 2:17 pm
Operator : PAH5:sf
Sample : WG876674-3
Misc : WG877452,WG876674,ICAL12131
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 30 14:48:28 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.490	136	82407	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.239	164	38982	500.000	ng/mL	0.00
17) Phenanthrene-d10	10.676	188	79611	500.000	ng/mL	0.00
24) Chrysene-d12	13.814	240	81643	500.000	ng/mL	0.00
29) Perylene-d12	16.189	264	76453	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.170	152	29796	317.828	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 6.36%#			
25) Pyrene-d10	12.133	212	53695	359.664	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 7.19%#			
31) Benzo[b]fluoranthene-d12	15.518	264	51597	391.522	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 7.83%#			
Target Compounds						Qvalue
2) Naphthalene	7.511	128	59760	340.828	ng/mL	99
5) 2-Methylnaphthalene	8.198	142	40354	345.570	ng/mL	96
12) Acenaphthylene	9.090	152	61683	360.469	ng/mL	99
13) Acenaphthene	9.267	153	41336	364.631	ng/mL	98
15) Fluorene	9.763	166	47338	379.754	ng/mL	95
19) Phenanthrene	10.691	178	75917	389.343	ng/mL	99
20) Anthracene	10.739	178	65764	363.728	ng/mL	99
23) Fluoranthene	11.896	202	80986	394.461	ng/mL	94
26) Pyrene	12.157	202	87610	372.140	ng/mL#	88
27) Benz[a]anthracene	13.790	228	75566	402.727	ng/mL	98
28) Chrysene	13.853	228	78555	390.747	ng/mL	98
32) Benzo[b]fluoranthene	15.558	252	82396	430.367	ng/mL	98
33) Benzo[k]fluoranthene	15.597	252	79962	463.851	ng/mL	98
35) Benzo[a]pyrene	16.086	252	70118M4	390.787	ng/mL	
37) Indeno[1,2,3-cd]pyrene	17.956	276	70230M3	405.092	ng/mL	
38) Dibenz[a,h]anthracene	17.996	278	69934	393.113	ng/mL#	74
39) Benzo[g,h,i]perylene	18.422	276	72197	424.300	ng/mL#	81

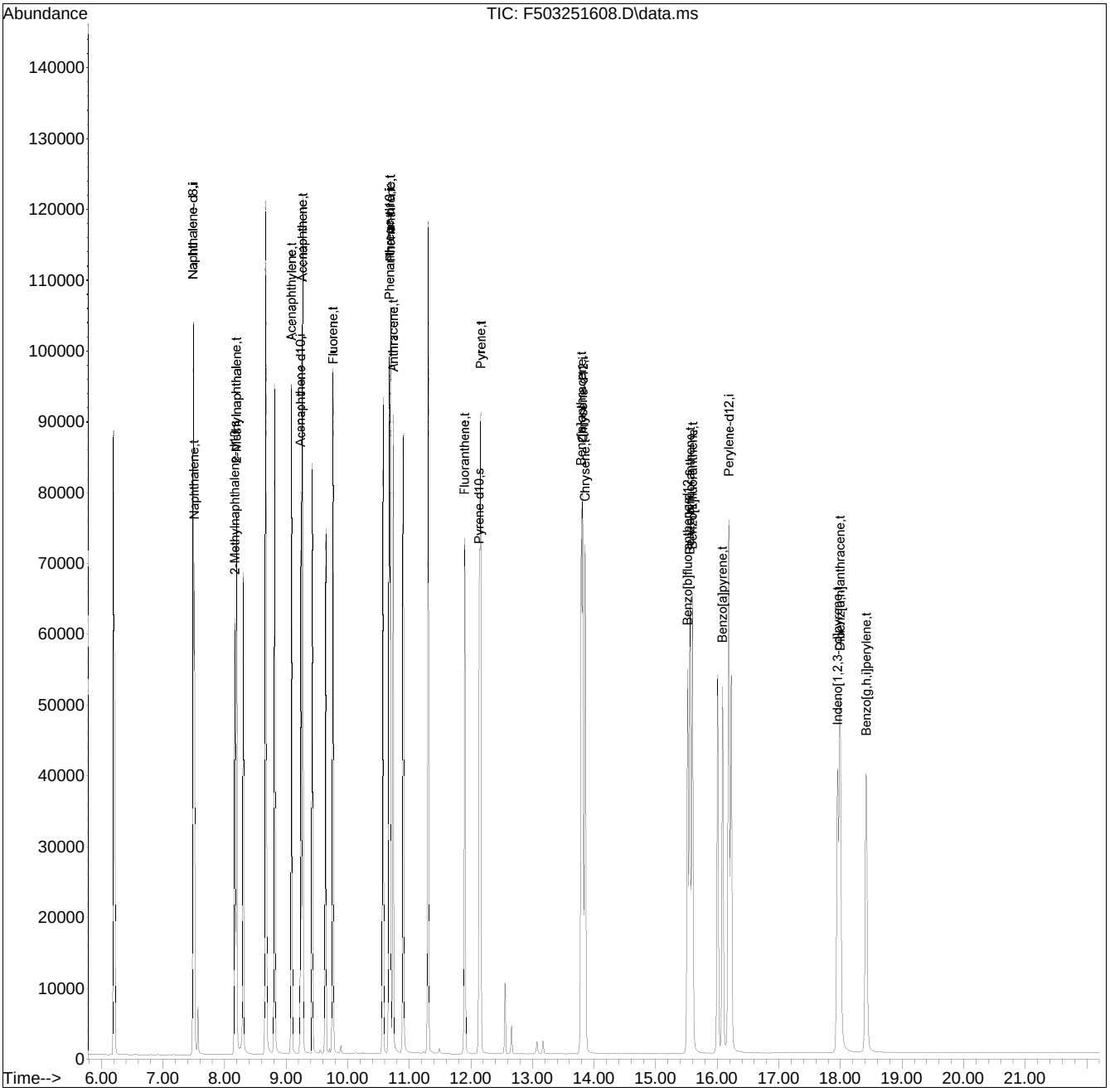
(#) = qualifier out of range (m) = manual integration (+) = signals summed

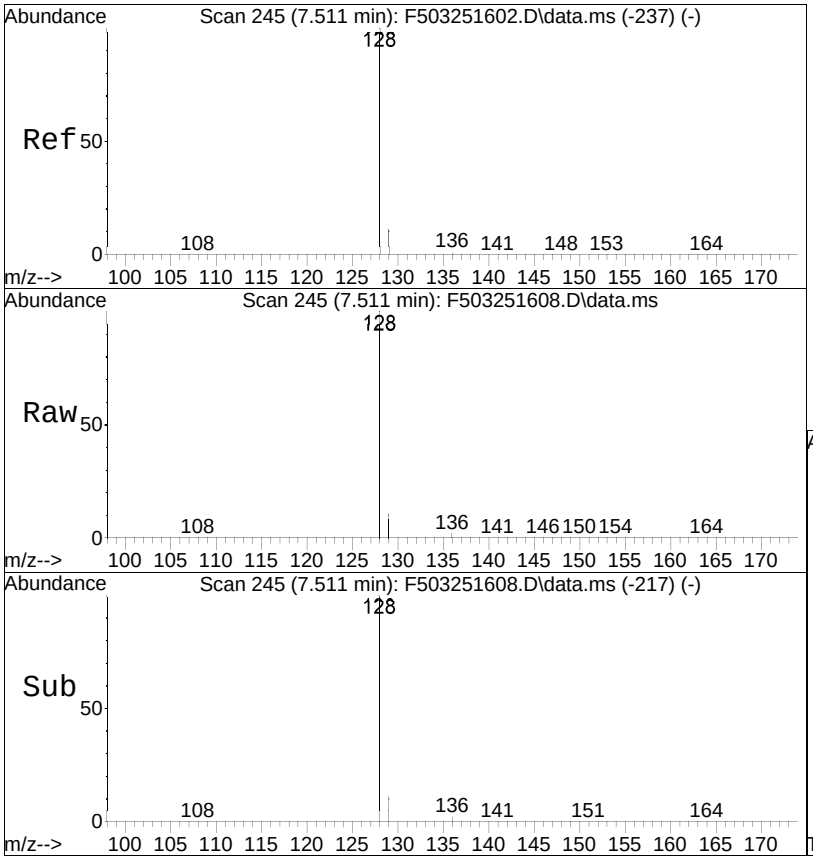
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Mar\Mar25\
Data File : F503251608.D
Acq On : 25 Mar 2016 2:17 pm
Operator : PAH5:sf
Sample : WG876674-3
Misc : WG877452,WG876674,ICAL12131
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 30 14:48:28 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Mar\Mar25\PAH0307PAH5.M
Quant Title : PAH's by SIM
QLast Update : Tue Mar 29 11:34:33 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

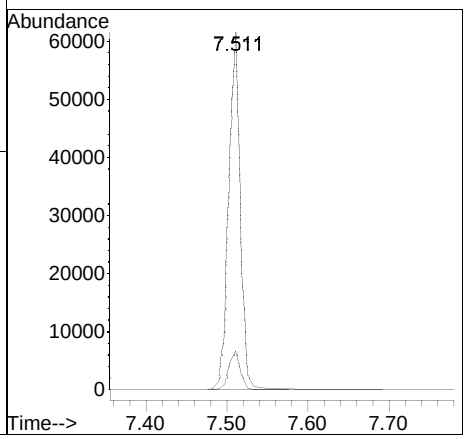


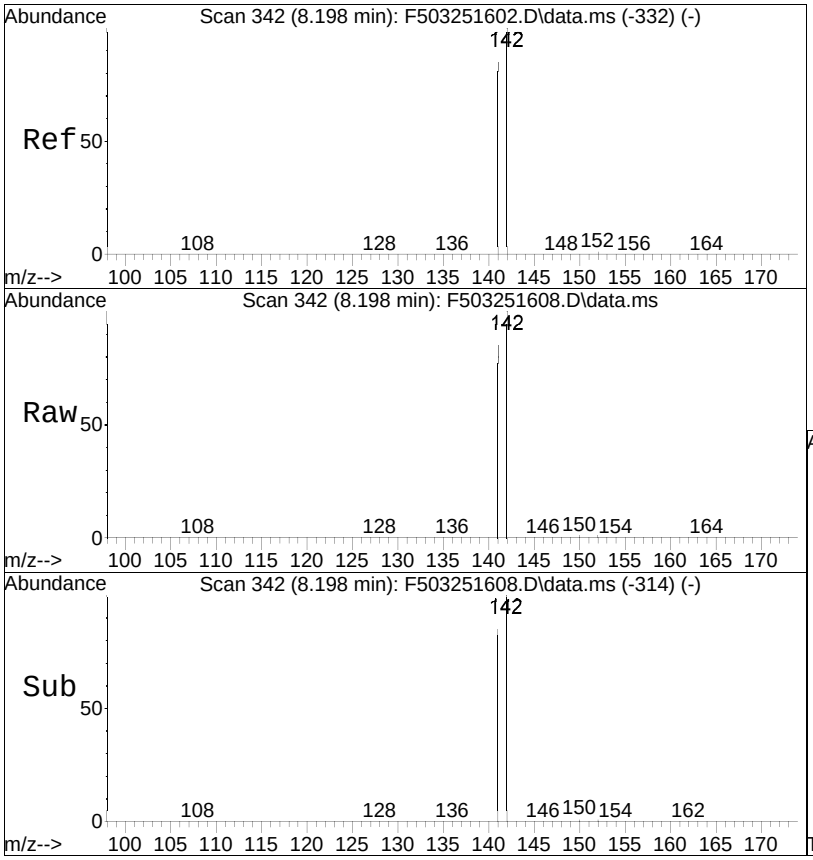


#2
Naphthalene
Concen: 340.83 ng/mL
RT: 7.511 min Scan# 245
Delta R.T. 0.000 min
Lab File: F503251608.D
Acq: 25 Mar 2016 2:17 pm

Tgt Ion:128 Resp: 59760

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.2	13.8

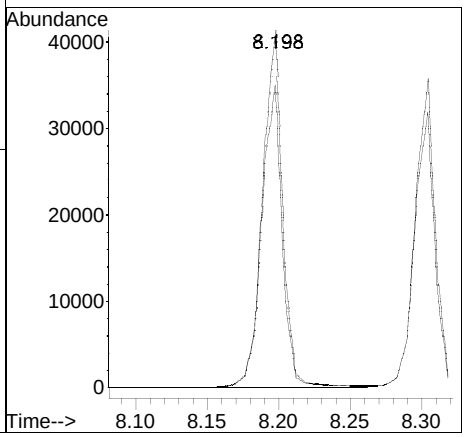


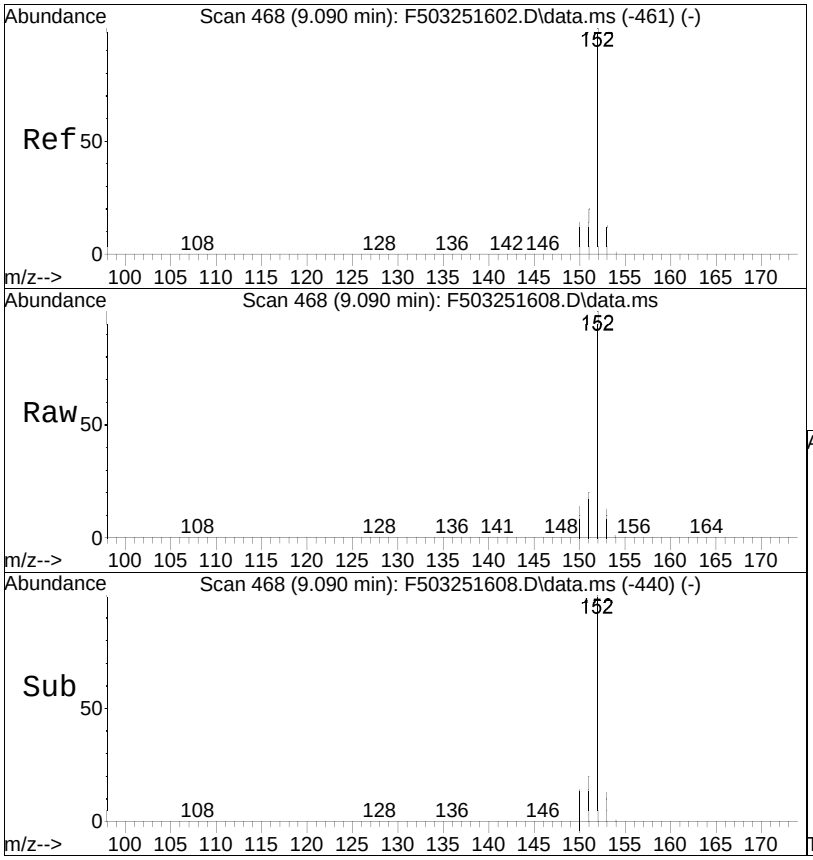


#5
2-Methylnaphthalene
Concen: 345.57 ng/mL
RT: 8.198 min Scan# 342
Delta R.T. 0.000 min
Lab File: F503251608.D
Acq: 25 Mar 2016 2:17 pm

Tgt Ion:142 Resp: 40354

Ion	Ratio	Lower	Upper
142	100		
141	84.8	70.9	106.3

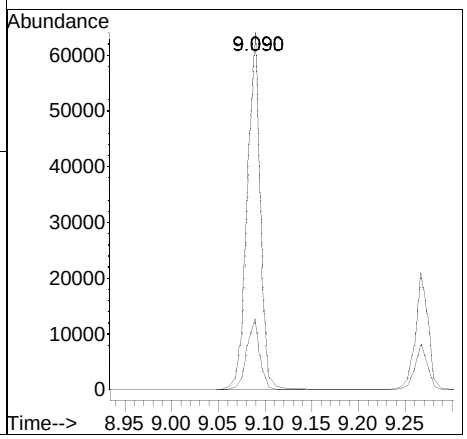


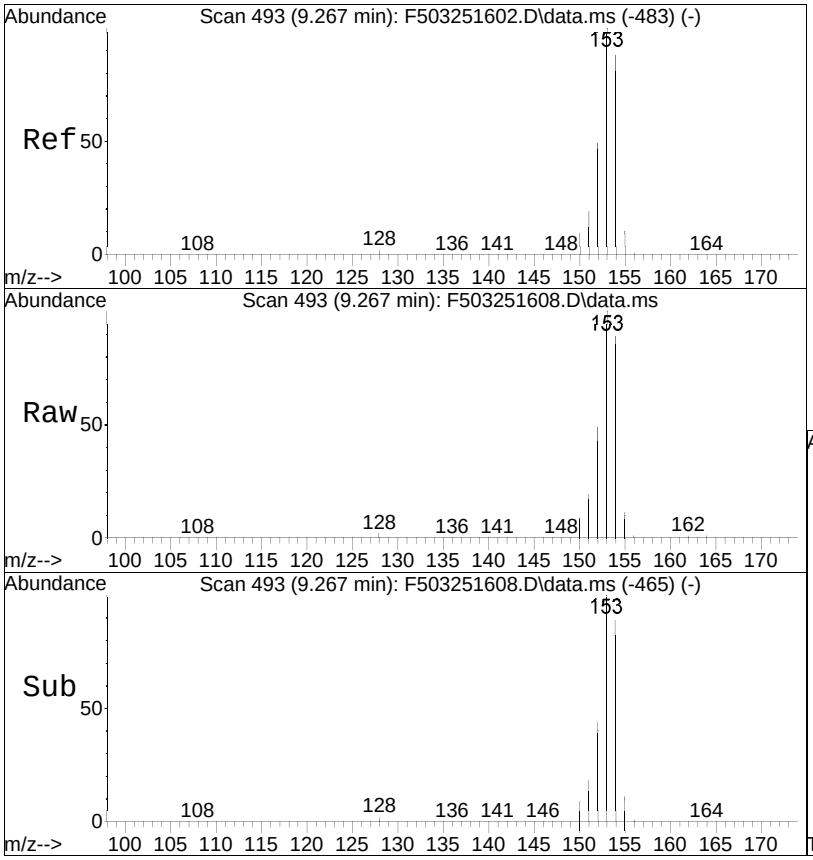


#12
Acenaphthylene
Concen: 360.47 ng/mL
RT: 9.090 min Scan# 468
Delta R.T. 0.000 min
Lab File: F503251608.D
Acq: 25 Mar 2016 2:17 pm

Tgt Ion:152 Resp: 61683

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.1	24.1

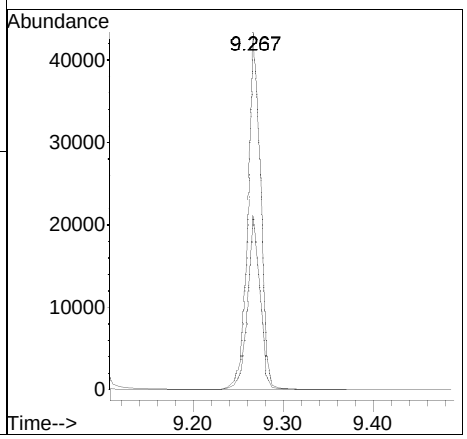


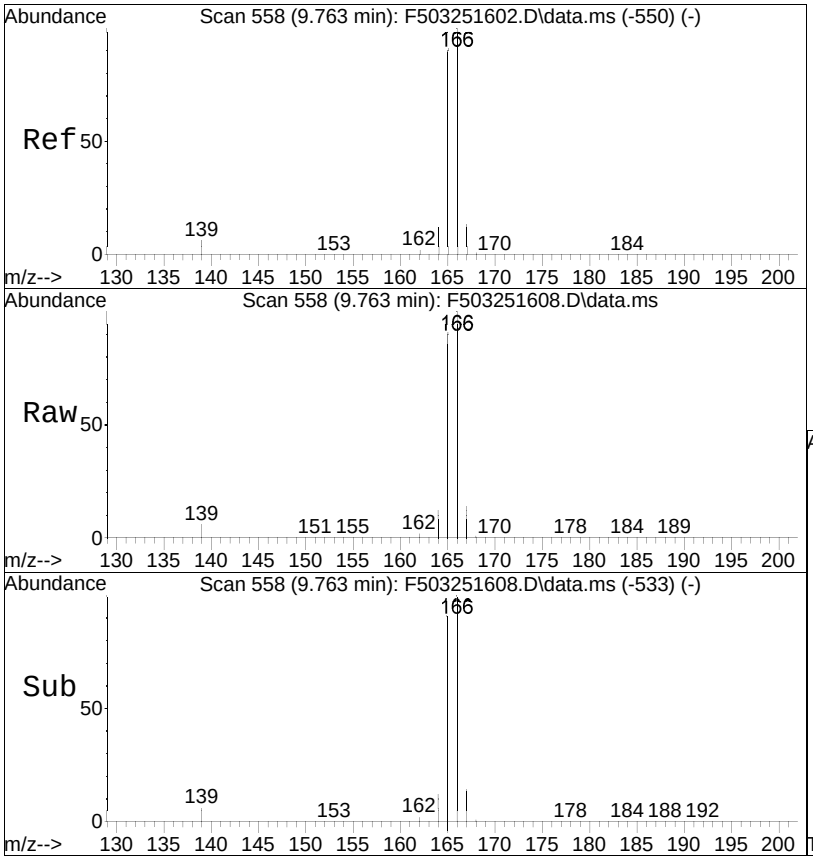


#13
Acenaphthene
Concen: 364.63 ng/mL
RT: 9.267 min Scan# 493
Delta R.T. 0.000 min
Lab File: F503251608.D
Acq: 25 Mar 2016 2:17 pm

Tgt Ion:153 Resp: 41336

Ion	Ratio	Lower	Upper
153	100		
152	48.8	37.8	56.8

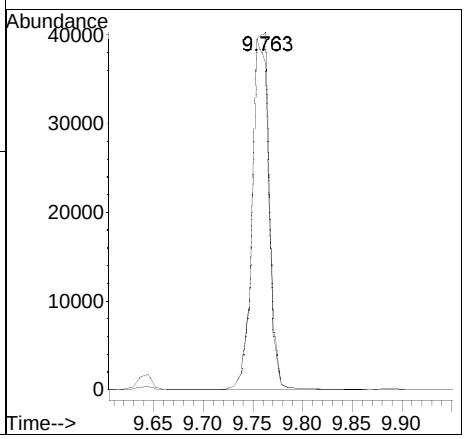


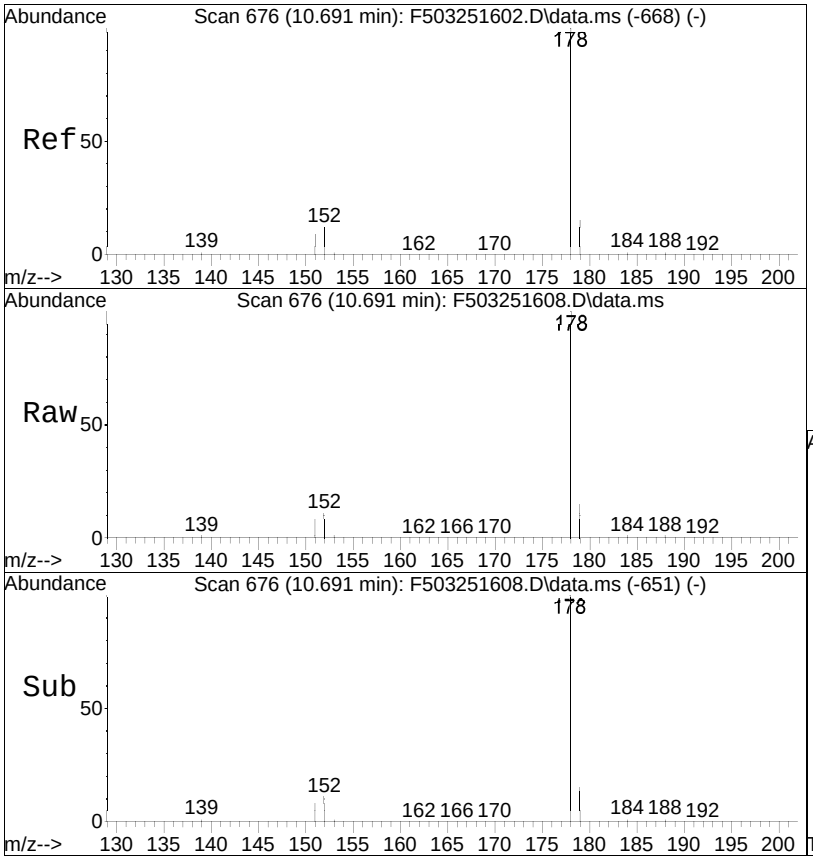


#15
Fluorene
Concen: 379.75 ng/mL
RT: 9.763 min Scan# 558
Delta R.T. 0.000 min
Lab File: F503251608.D
Acq: 25 Mar 2016 2:17 pm

Tgt Ion:166 Resp: 47338

Ion	Ratio	Lower	Upper
166	100		
165	91.3	77.3	115.9

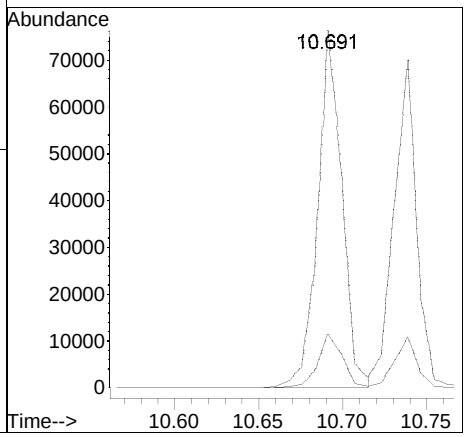


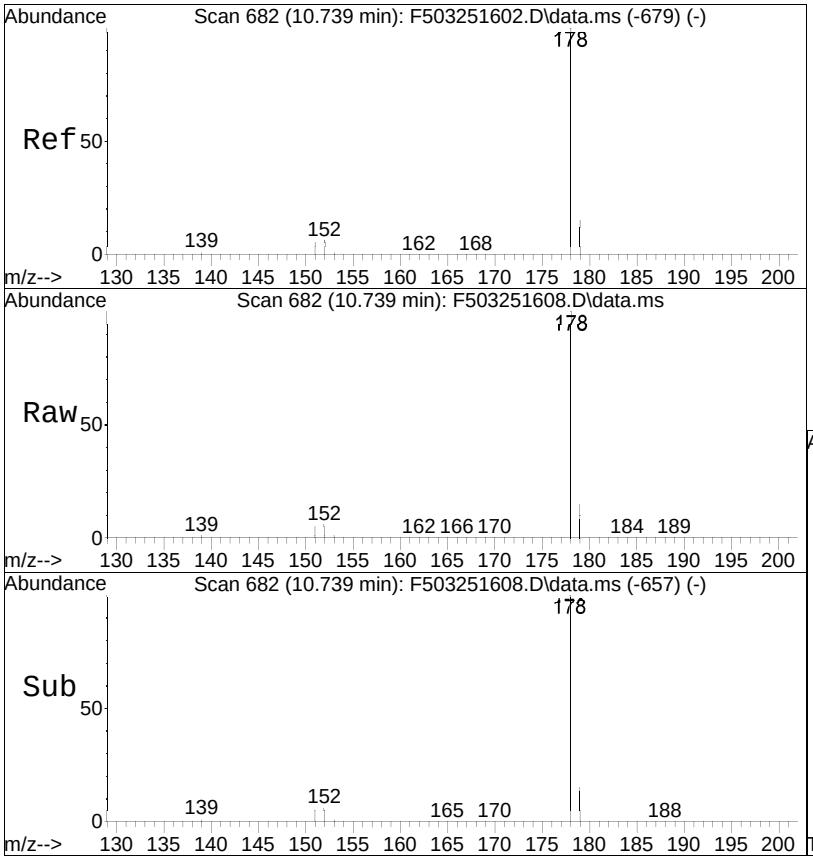


#19
Phenanthrene
Concen: 389.34 ng/mL
RT: 10.691 min Scan# 676
Delta R.T. 0.000 min
Lab File: F503251608.D
Acq: 25 Mar 2016 2:17 pm

Tgt Ion:178 Resp: 75917

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.4	18.6

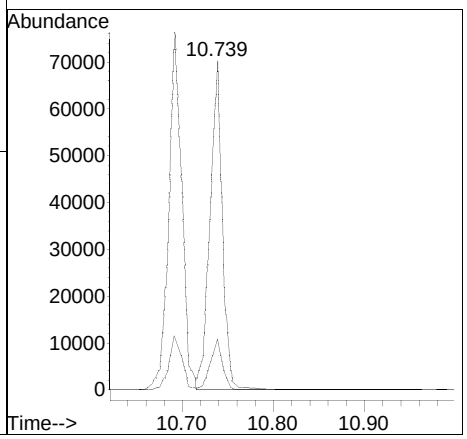


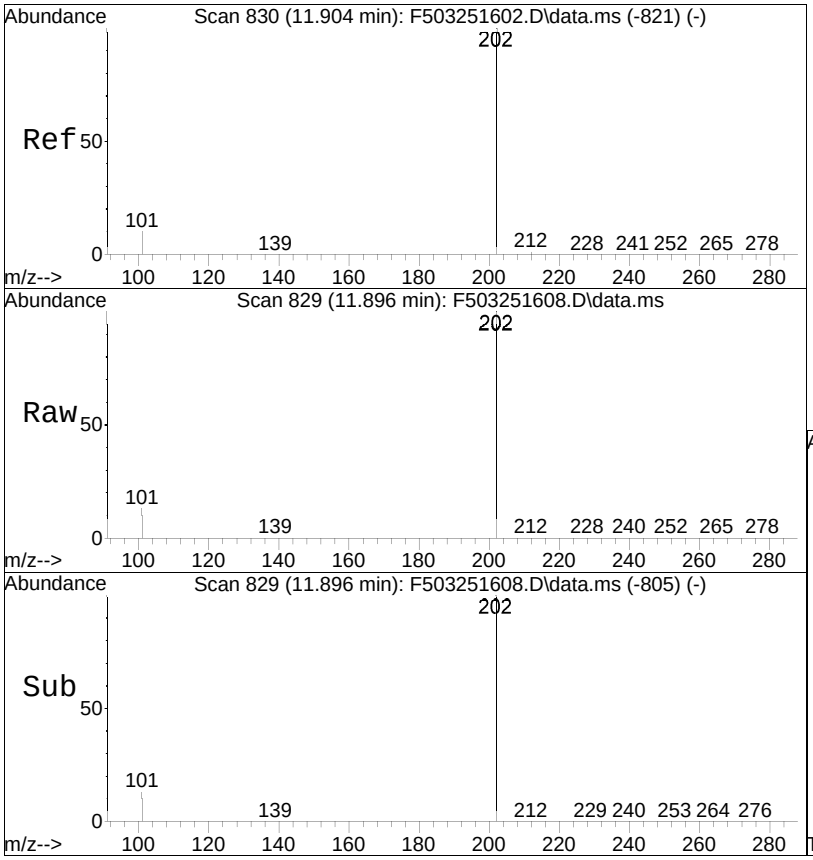


#20
Anthracene
Concen: 363.73 ng/mL
RT: 10.739 min Scan# 682
Delta R.T. 0.000 min
Lab File: F503251608.D
Acq: 25 Mar 2016 2:17 pm

Tgt Ion:178 Resp: 65764

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.6	19.0

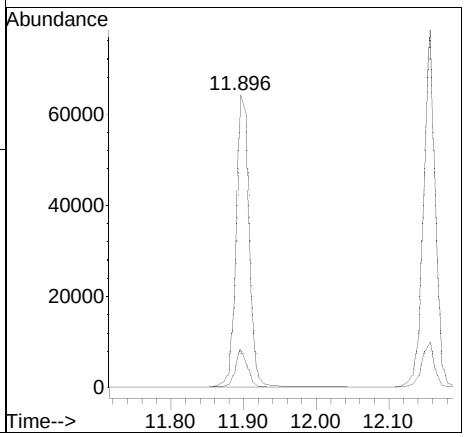


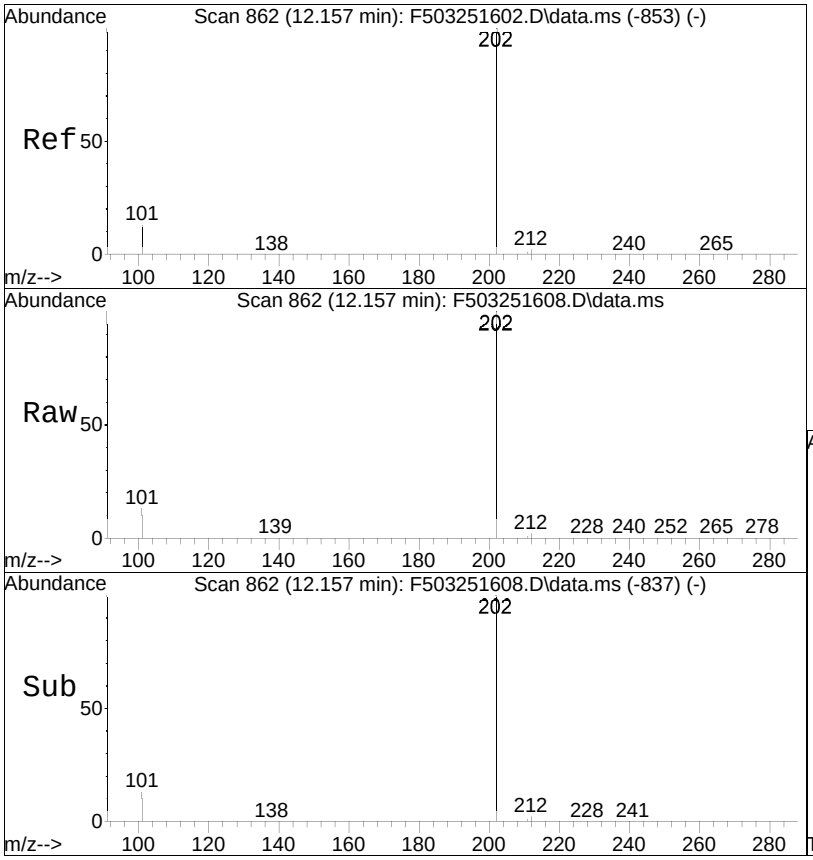


#23
Fluoranthene
Concen: 394.46 ng/mL
RT: 11.896 min Scan# 829
Delta R.T. -0.008 min
Lab File: F503251608.D
Acq: 25 Mar 2016 2:17 pm

Tgt Ion:202 Resp: 80986

Ion	Ratio	Lower	Upper
202	100		
101	13.4	12.6	19.0

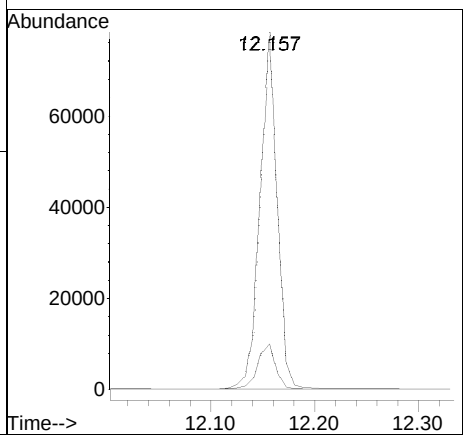


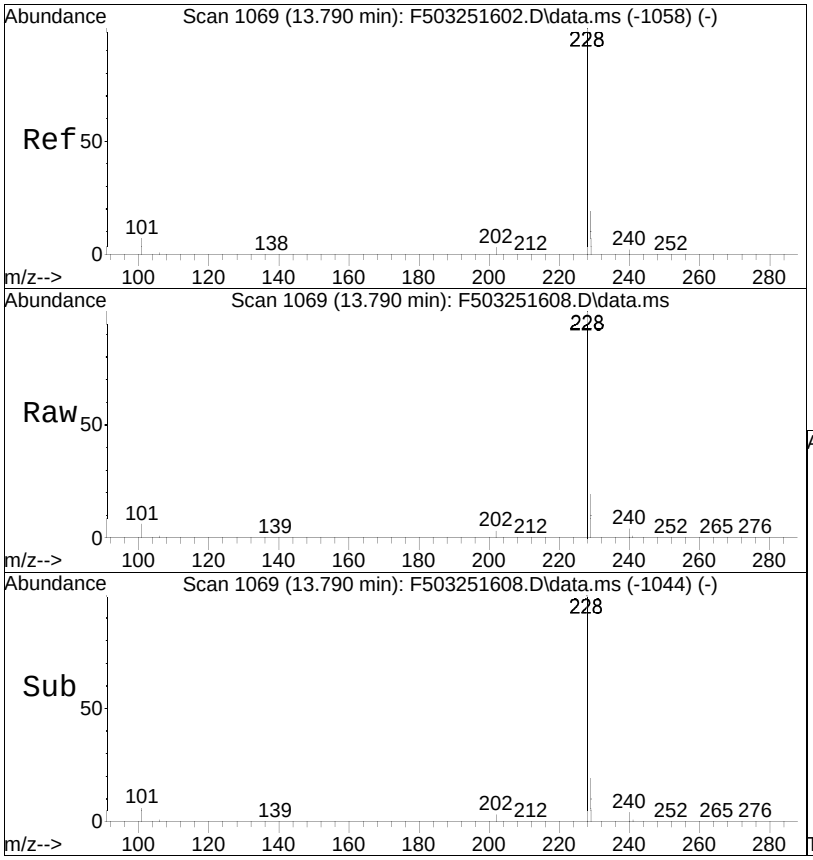


#26
Pyrene
Concen: 372.14 ng/mL
RT: 12.157 min Scan# 862
Delta R.T. 0.000 min
Lab File: F503251608.D
Acq: 25 Mar 2016 2:17 pm

Tgt Ion:202 Resp: 87610

Ion	Ratio	Lower	Upper
202	100		
101	12.9	14.4	21.6#

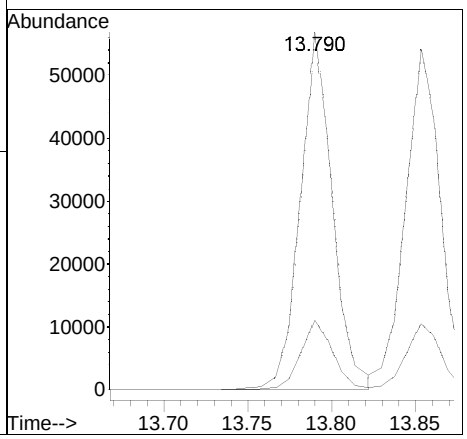


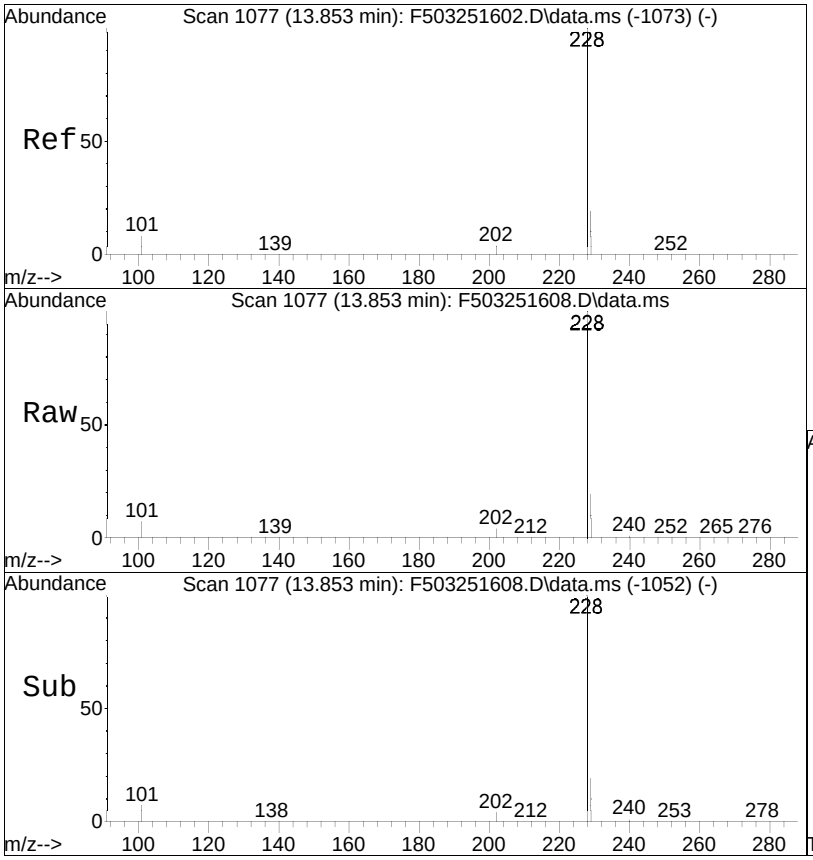


#27
Benz[a]anthracene
Concen: 402.73 ng/mL
RT: 13.790 min Scan# 1069
Delta R.T. 0.000 min
Lab File: F503251608.D
Acq: 25 Mar 2016 2:17 pm

Tgt Ion:228 Resp: 75566

Ion	Ratio	Lower	Upper
228	100		
229	19.4	16.2	24.2

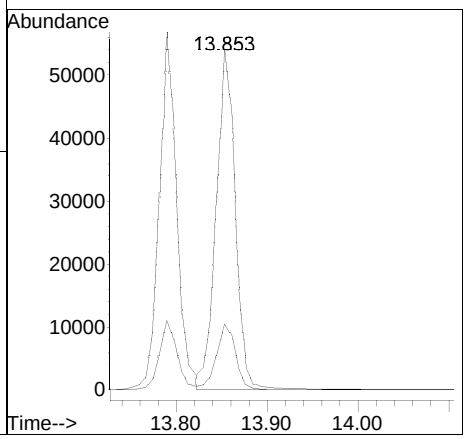


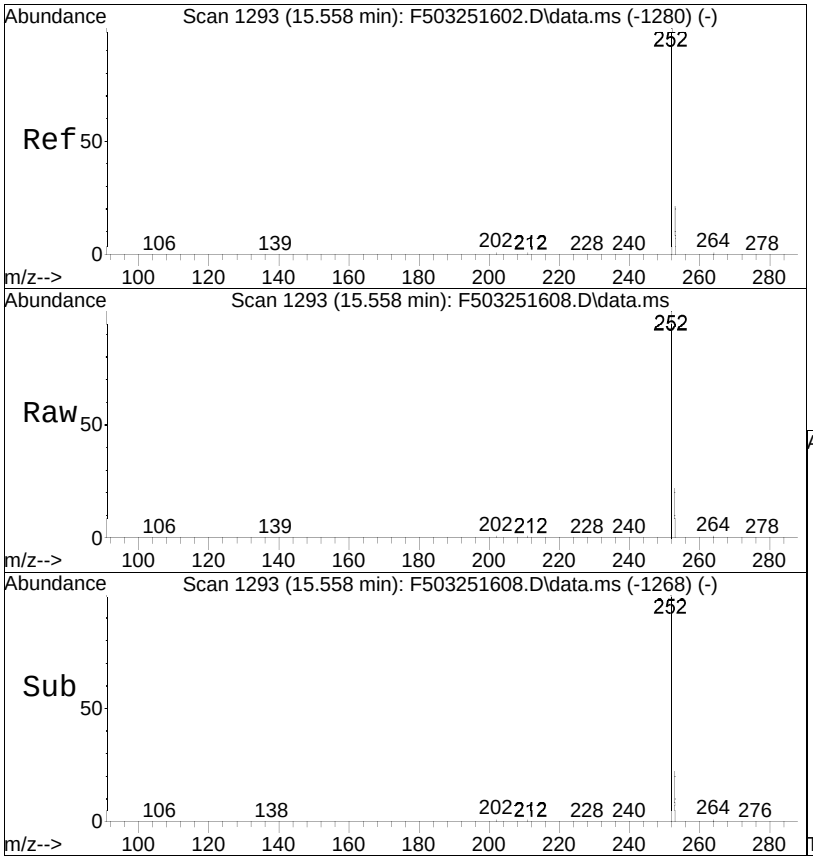


#28
Chrysene
Concen: 390.75 ng/mL
RT: 13.853 min Scan# 1077
Delta R.T. 0.000 min
Lab File: F503251608.D
Acq: 25 Mar 2016 2:17 pm

Tgt Ion:228 Resp: 78555

Ion	Ratio	Lower	Upper
228	100		
229	19.4	16.1	24.1

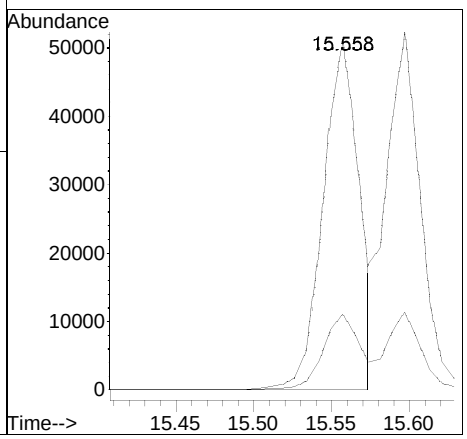


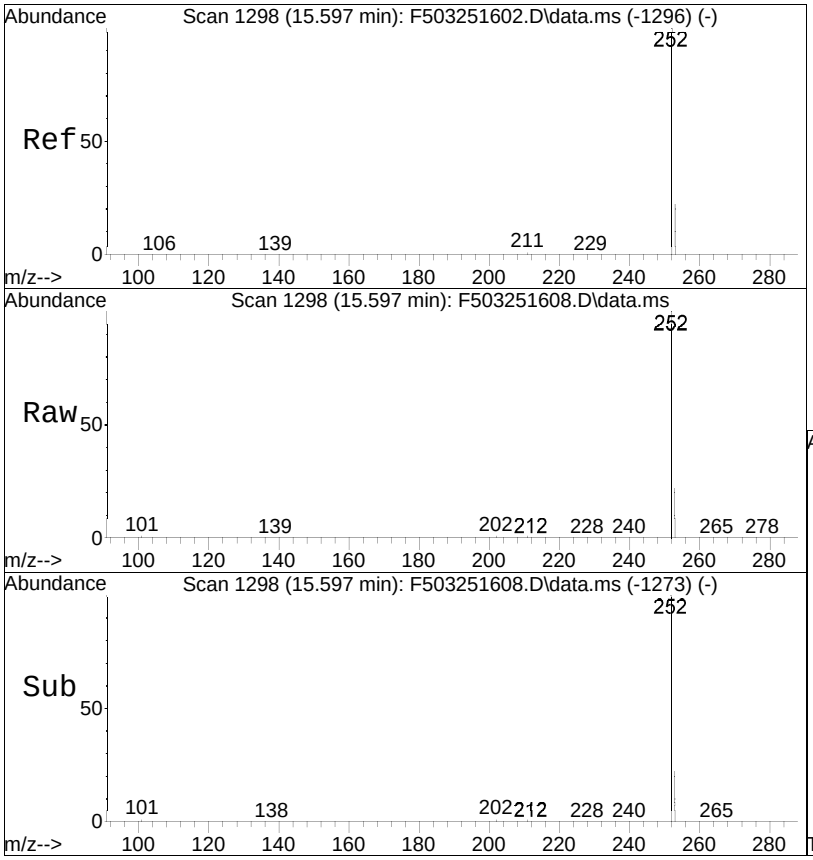


#32
Benzo[b]fluoranthene
Concen: 430.37 ng/mL
RT: 15.558 min Scan# 1293
Delta R.T. 0.000 min
Lab File: F503251608.D
Acq: 25 Mar 2016 2:17 pm

Tgt Ion:252 Resp: 82396

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.4

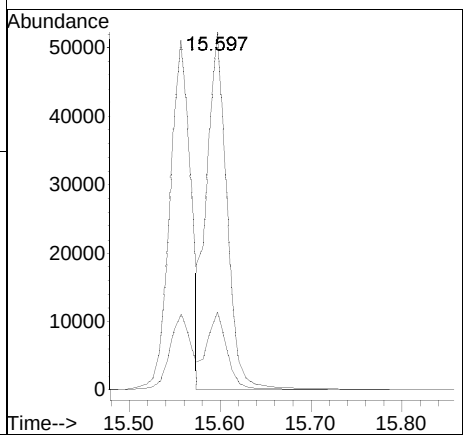


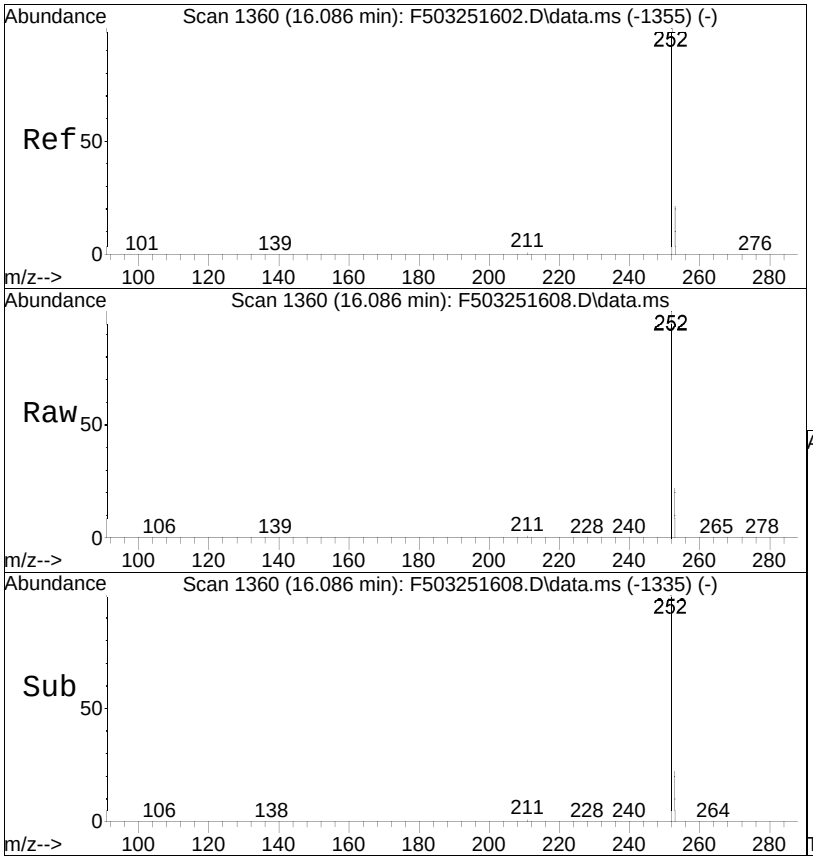


#33
Benzo[k]fluoranthene
Concen: 463.85 ng/mL
RT: 15.597 min Scan# 1298
Delta R.T. 0.000 min
Lab File: F503251608.D
Acq: 25 Mar 2016 2:17 pm

Tgt Ion:252 Resp: 79962

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.2

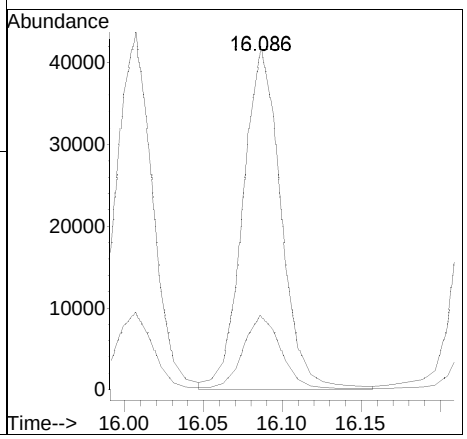


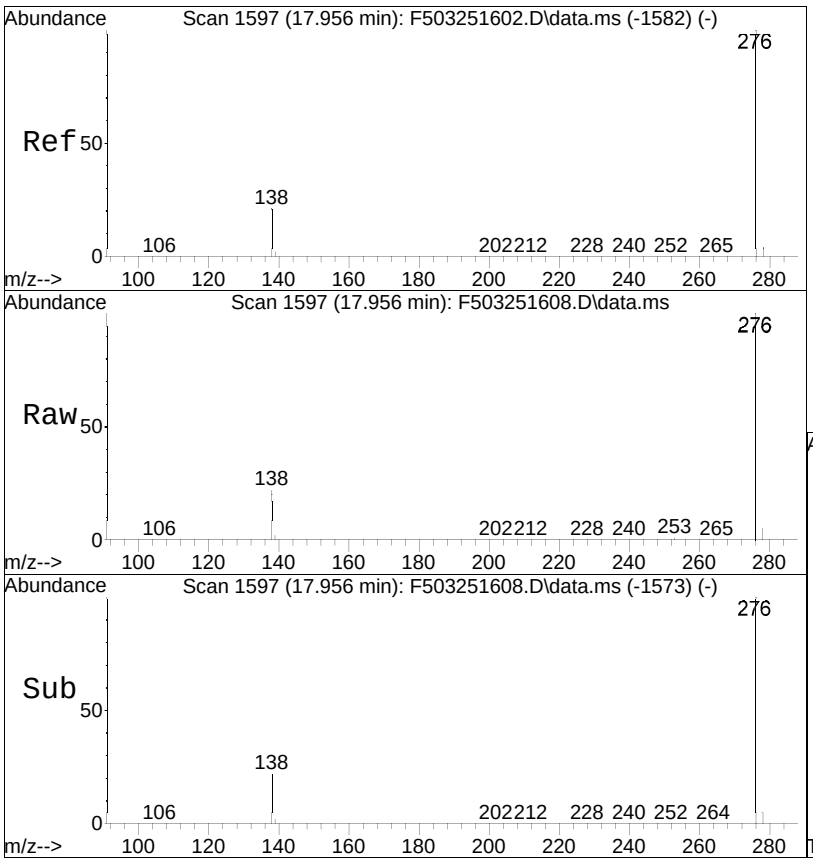


#35
Benzo[a]pyrene
Concen: 390.79 ng/mL M4
RT: 16.086 min Scan# 1360
Delta R.T. 0.000 min
Lab File: F503251608.D
Acq: 25 Mar 2016 2:17 pm

Tgt Ion:252 Resp: 70118

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.6	27.8

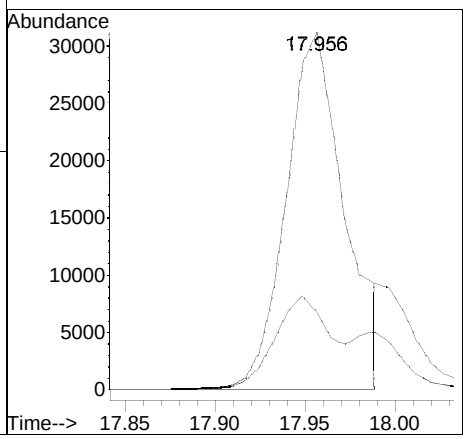


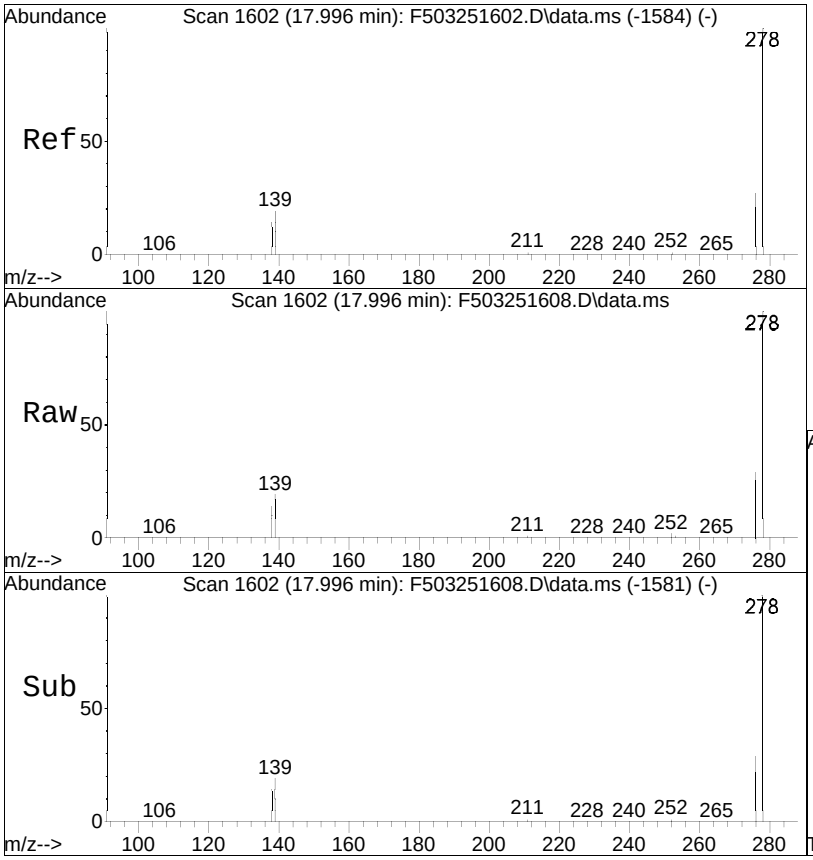


#37
Indeno[1,2,3-cd]pyrene
Concen: 405.09 ng/mL M3
RT: 17.956 min Scan# 1597
Delta R.T. 0.000 min
Lab File: F503251608.D
Acq: 25 Mar 2016 2:17 pm

Tgt Ion:276 Resp: 70230

Ion	Ratio	Lower	Upper
276	100		
138	21.8	31.1	46.7#

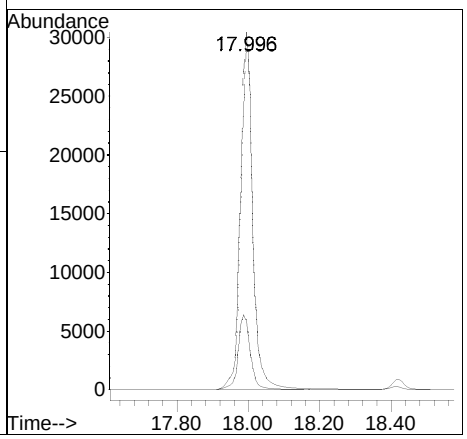


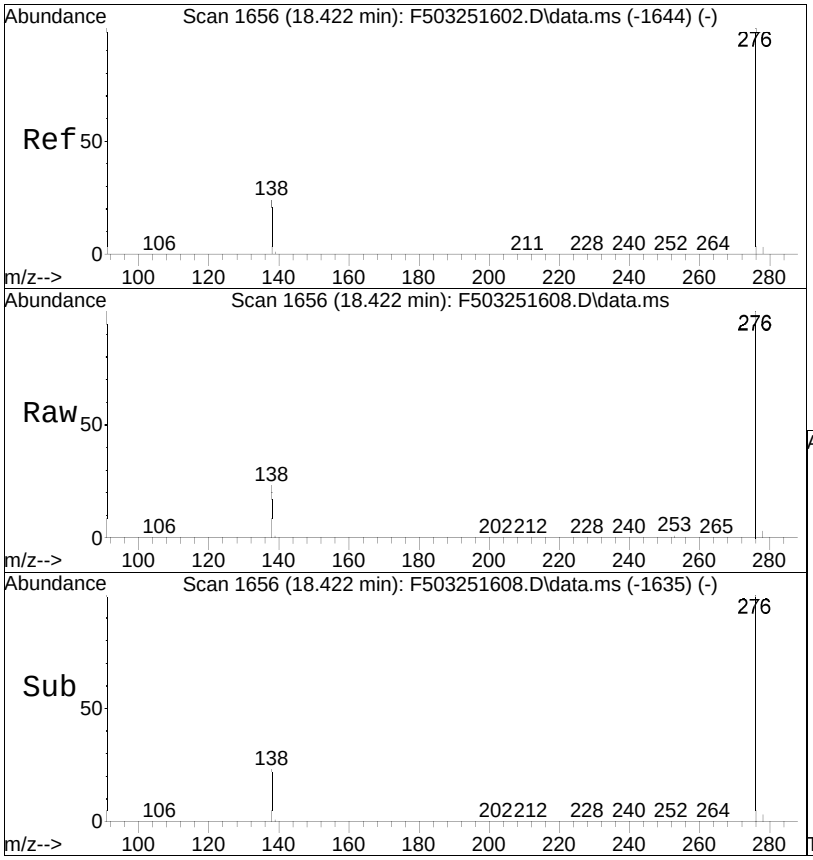


#38
Dibenz[a,h]anthracene
Concen: 393.11 ng/mL
RT: 17.996 min Scan# 1602
Delta R.T. 0.000 min
Lab File: F503251608.D
Acq: 25 Mar 2016 2:17 pm

Tgt Ion:278 Resp: 69934

Ion	Ratio	Lower	Upper
278	100		
139	19.3	27.5	41.3#

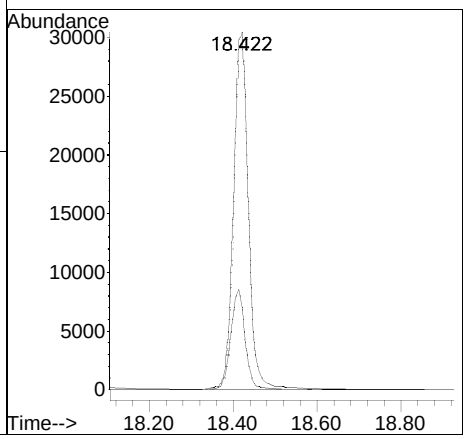




#39
Benzo[g,h,i]perylene
Concen: 424.30 ng/mL
RT: 18.422 min Scan# 1656
Delta R.T. 0.000 min
Lab File: F503251608.D
Acq: 25 Mar 2016 2:17 pm

Tgt Ion:276 Resp: 72197

Ion	Ratio	Lower	Upper
276	100		
138	23.2	27.4	41.2#



Sample Preparation

ORGANIC ELN REPORT

Workgroup: WG876674

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** 0000121755
Surrogate Type: 8270SIM **Lot #:** MSAH34
Spike Type: 8270SIM **Lot #:** MSAH44
Spike Verify by: JP
Lims Spikelot: A2-SIMSPK

Additional Reagents/Stds

Glass Wool	11414001
Na2SO4	0000125638

Conc.Method: Buchi
Solvent Type: DCM
Lot #: 0000121755

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction: Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Concentration: Conc Date	Analyst	Final Vol ml	Conc Unit
WG876674-1 BLANK	03/23/16 15:52	Joseph Macdonald	1000	7	.1		03/23/16 18:53	Joseph Macdonald	1	BUCHI 1/2
	QC samples shared with WG876675/WG876676 JM 3/23/16									
WG876674-2 LCS	03/23/16 15:52	Joseph Macdonald	1000	7	.1	.1	03/23/16 18:53	Joseph Macdonald	1	BUCHI 1/2
WG876674-3 LCSD	03/23/16 15:52	Joseph Macdonald	1000	7	.1	.1	03/23/16 18:53	Joseph Macdonald	1	BUCHI 1/2
L1607846-01 SAMP	03/23/16 15:52	Joseph Macdonald	970	7	.1		03/23/16 18:53	Joseph Macdonald	1	BUCHI 1/2
L1607846-02 SAMP	03/23/16 15:52	Joseph Macdonald	990	7	.1		03/23/16 18:53	Joseph Macdonald	1	BUCHI 1/2

Reported: 06-APR-16 04:28 PM

ORGANIC ELN REPORT

Workgroup: WG876674

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L1607846-03 SAMP	03/23/16 15:52	Joseph Macdonald	990	7	.1		03/23/16 18:53	Joseph Macdonald	1	BUCHI 1/2
L1607846-04 SAMP	03/23/16 15:52	Joseph Macdonald	890	7	.1		03/23/16 18:53	Joseph Macdonald	1	BUCHI 1/2
L1607846-05 SAMP	03/23/16 15:52	Joseph Macdonald	970	7	.1		03/23/16 18:53	Joseph Macdonald	1	BUCHI 1/2
L1607846-06 SAMP	03/23/16 15:52	Joseph Macdonald	950	7	.1		03/23/16 18:53	Joseph Macdonald	1	BUCHI 1/2
L1607846-07 SAMP	03/23/16 15:52	Joseph Macdonald	960	7	.1		03/23/16 18:53	Joseph Macdonald	1	BUCHI 1/2
L1607846-08 SAMP	03/23/16 15:52	Joseph Macdonald	910	7	.1		03/23/16 18:53	Joseph Macdonald	1	BUCHI 1/2
L1607846-09 SAMP	03/23/16 15:52	Joseph Macdonald	930	7	.1		03/23/16 18:53	Joseph Macdonald	1	BUCHI 1/2

Reported: 06-APR-16 04:28 PM

GC/MS 8260
Analysis

Initial Calibration

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 15-MAR-2016 21:46
End Cal Date : 16-MAR-2016 00:29
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Cal Date : 16-Mar-2016 12:49 Voa105.i

Calibration File Names:
Level 1: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N03.D
Level 2: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N04.D
Level 3: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N05.D
Level 4: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N06.D
Level 6: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N07.D
Level 8: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N08.D
Level 10: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N09.D
Level 11: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N02.D

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2
	2000.0000 Level 10	2.0000 Level 11									
1 dichlorodifluoromethane	0.11189	0.13759	0.17722	0.18196	0.18387	0.17628					
	0.18192	+++++					AVRG		0.16439		17.16237
2 chloromethane	0.11438	0.12955	0.13874	0.15032	0.16130	0.15186					
	0.17571	+++++					AVRG		0.14598		13.96154
3 vinyl chloride	0.11854	0.14530	0.18517	0.18950	0.19344	0.18777					
	0.19362	0.12228					AVRG		0.16695		19.59800

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 15-MAR-2016 21:46
End Cal Date : 16-MAR-2016 00:29
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Cal Date : 16-Mar-2016 12:49 Voa105.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
4 bromomethane	1581	7415	42540	140874	433957	653330						
	1208596	+++++					WLINR	0.04730	0.07963		0.99449	<-
5 chloroethane	0.06008	0.07385	0.07894	0.08049	0.08059	0.06775						
	0.05981	+++++					AVRG		0.07164		12.81067	
6 trichlorofluoromethane	0.15846	0.19485	0.24437	0.25031	0.24704	0.22566						
	0.22532	+++++					AVRG		0.22086		15.15227	
7 ethyl ether	0.06199	0.06231	0.07846	0.07873	0.07889	0.07576						
	0.08043	+++++					AVRG		0.07380		10.94174	
8 1,1,-dichloroethene	0.10344	0.12250	0.15085	0.15542	0.15853	0.15365						
	0.15981	+++++					AVRG		0.14346		15.15686	
9 carbon disulfide	0.34692	0.37371	0.45934	0.46913	0.47782	0.47033						
	0.47134	+++++					AVRG		0.43837		12.35308	
10 freon-113	0.10716	0.12974	0.16473	0.16992	0.17392	0.16928						
	0.17312	+++++					AVRG		0.15541		16.88855	

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 15-MAR-2016 21:46
End Cal Date : 16-MAR-2016 00:29
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Cal Date : 16-Mar-2016 12:49 Voa105.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
11 methylene chloride	0.10648	0.12411	0.15176	0.15364	0.15621	0.15178						
	0.15896	+++++					AVRG		0.14328		13.92039	
12 acrolein	+++++	0.01557	0.01412	0.01427	0.01475	0.01439						
	0.01579	+++++					AVRG		0.01482		4.76953	<-
13 acetone	5424	6127	20225	55494	139805	205802						
	363078	+++++					WLINR	-0.23052	0.02431		0.99793	<-
14 trans-1,2-dichloroethene	0.11605	0.13405	0.16867	0.17157	0.17395	0.17206						
	0.17732	+++++					AVRG		0.15909		15.06785	
15 Methyl Acetate	0.07767	0.05090	0.05853	0.06158	0.06331	0.06312						
	0.06928	+++++					AVRG		0.06348		13.20252	
16 methyl tert butyl ether	0.24586	0.26648	0.34151	0.34820	0.35078	0.34634						
	0.36689	+++++					AVRG		0.32372		14.57708	
17 Tert-Butyl Alcohol	0.00437	0.00510	0.00624	0.00650	0.00659	0.00675						
	0.00727	+++++					AVRG		0.00612		16.62511	<-

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 15-MAR-2016 21:46
End Cal Date : 16-MAR-2016 00:29
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Cal Date : 16-Mar-2016 12:49 Voa105.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
18 Diisopropyl Ether	0.42741	0.46015	0.58148	0.58560	0.58707	0.57723						
	0.58703	+++++					AVRG		0.54371		12.69144	
19 1,1-dichloroethane	0.22534	0.26067	0.32860	0.33410	0.33522	0.32903						
	0.33429	+++++					AVRG		0.30675		14.60373	
20 halothane	0.08574	0.10405	0.13211	0.13651	0.14112	0.14021						
	0.14675	+++++					AVRG		0.12664		17.97391	
21 acrylonitrile	0.03154	0.02963	0.03561	0.03527	0.03506	0.03355						
	0.03645	+++++					AVRG		0.03387		7.28712	<-
22 Ethyl-Tert-Butyl-Ether	0.32687	0.36595	0.47165	0.47926	0.48794	0.48269						
	0.50224	+++++					AVRG		0.44523		15.51428	
23 vinyl acetate	0.20696	0.22957	0.25795	0.23382	0.24589	0.26536						
	0.29813	+++++					AVRG		0.24824		11.79328	
24 cis-1,2-dichloroethene	0.13238	0.14513	0.18424	0.18596	0.18782	0.18591						
	0.19232	+++++					AVRG		0.17340		13.88743	

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 15-MAR-2016 21:46
End Cal Date : 16-MAR-2016 00:29
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Cal Date : 16-Mar-2016 12:49 Voa105.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
25 2,2-dichloropropane	0.19812	0.22192	0.27206	0.27888	0.28144	0.27863						
	0.28334	+++++					AVRG		0.25920		13.29681	
26 Cyclohexane	0.23916	0.26754	0.33503	0.34281	0.34927	0.34201						
	0.34812	+++++					AVRG		0.31771		14.15141	
27 bromochloromethane	0.05592	0.06142	0.07988	0.08221	0.08445	0.08256						
	0.08477	+++++					AVRG		0.07589		15.78275	
28 chloroform	0.22017	0.24500	0.30009	0.30703	0.30881	0.30386						
	0.30874	+++++					AVRG		0.28481		12.82124	
29 Ethyl Acetate	0.07644	0.08084	0.09755	0.09782	0.09775	0.09553						
	0.10268	+++++					AVRG		0.09266		10.68306	
30 carbontetrachloride	0.16204	0.19215	0.25015	0.26221	0.27224	0.26949						
	0.27921	+++++					AVRG		0.24107		18.85927	
31 tetrahydrofuran	0.02520	0.03746	0.03206	0.03230	0.03216	0.03107						
	0.03354	+++++					AVRG		0.03197		11.38292	<-

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 15-MAR-2016 21:46
End Cal Date : 16-MAR-2016 00:29
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Cal Date : 16-Mar-2016 12:49 Voa105.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
33 1,1,1-trichloroethane	0.18937	0.22322	0.28182	0.28948	0.29420	0.28964						
	0.29855	+++++					AVRG		0.26661		15.99765	
34 2-butanone	0.06169	0.03880	0.04335	0.04134	0.04112	0.03959						
	0.04266	+++++					AVRG		0.04408		17.98298	<-
35 1,1-dichloropropene	0.16237	0.19037	0.24263	0.24813	0.25165	0.24714						
	0.25484	+++++					AVRG		0.22816		15.99274	
36 benzene	0.54387	0.54829	0.69233	0.69731	0.70662	0.69975						
	0.71758	+++++					AVRG		0.65796		11.68096	
37 Tertiary-Amyl Methyl Ether	0.26088	0.28493	0.36844	0.37681	0.38490	0.38669						
	0.40961	+++++					AVRG		0.35318		16.05073	
39 1,2-dichloroethane	0.16765	0.16880	0.21066	0.20972	0.20949	0.20227						
	0.21031	+++++					AVRG		0.19699		10.08154	
40 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 15-MAR-2016 21:46
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Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Cal Date : 16-Mar-2016 12:49 Voa105.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	2000.0000 Level 10	2.0000 Level 11	Curve	Coefficients b	m1	m2	%RSD or R^2	
42 methyl cyclohexane	0.19265	0.23183	0.29495	0.30555	0.32121	0.31414								
	0.31991	+++++							AVRG		0.28289		17.80601	
43 trichloroethene	0.12970	0.14693	0.18626	0.18977	0.19532	0.19209								
	0.19394	+++++							AVRG		0.17629		15.07379	
44 Hexane	+++++	+++++	+++++	+++++	+++++	+++++								
	+++++	+++++							AVRG		0.000e+000		0.000e+000	
45 dibromomethane	0.06136	0.06615	0.08589	0.08659	0.08828	0.08594								
	0.09112	+++++							AVRG		0.08076		14.65840	
46 1,2-dichloropropane	0.11994	0.13931	0.17375	0.17639	0.17858	0.17648								
	0.18172	+++++							AVRG		0.16374		14.71223	
47 bromodichloromethane	0.14718	0.16475	0.21591	0.22385	0.23020	0.22703								
	0.23546	+++++							AVRG		0.20634		17.10331	
48 methyl methylacrylate	+++++	+++++	+++++	+++++	+++++	+++++								
	+++++	+++++							AVRG		0.000e+000		0.000e+000	<-

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 15-MAR-2016 21:46
End Cal Date : 16-MAR-2016 00:29
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Cal Date : 16-Mar-2016 12:49 Voa105.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
49 1,4-Dioxane	0.00069	0.00074	0.00074	0.00080	0.00079	0.00076						
	0.00078	+++++					AVRG		0.00076		5.21532	<-
51 2-Chloroethylvinyl ether	0.05037	0.05782	0.07751	0.07911	0.08000	0.07891						
	0.08485	+++++					AVRG		0.07265		17.98073	
52 cis-1,3-dichloropropene	0.17410	0.19404	0.25714	0.26600	0.27102	0.26780						
	0.27785	+++++					AVRG		0.24399		17.12912	
54 toluene	0.70841	0.58885	0.62463	0.59509	0.58891	0.58476						
	0.58698	+++++					AVRG		0.61109		7.37049	
55 tetrachloroethene	0.16452	0.19440	0.24863	0.25337	0.25772	0.25525						
	0.25685	+++++					AVRG		0.23296		16.16984	
56 4-methyl-2-pentanone	0.02197	0.02577	0.03352	0.03464	0.03515	0.03454						
	0.03732	+++++					AVRG		0.03184		17.82332	<-
57 trans-1,3-dichloropropene	0.17403	0.19810	0.26885	0.27770	0.28296	0.28095						
	0.29301	+++++					AVRG		0.25366		18.62318	

Alpha Analytical Labs

INITIAL CALIBRATION DATA

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Quant Method : ISTD
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Integrator : HP RTE
Method file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Cal Date : 16-Mar-2016 12:49 Voa105.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
59 ethyl-methacrylate	0.13210	0.14410	0.19295	0.19824	0.19934	0.19629						
	0.20922	+++++					AVRG		0.18175		16.74315	
60 1,1,2-trichloroethane	0.08276	0.09627	0.12224	0.12163	0.12174	0.11967						
	0.12562	+++++					AVRG		0.11285		14.62558	
61 chlorodibromomethane	3196	14389	98625	316100	885266	1343572						
	2392308	+++++					WLINR	0.03827	0.20260		0.99853	
62 1,3-dichloropropane	0.18364	0.20858	0.26337	0.26295	0.26123	0.25707						
	0.26870	+++++					AVRG		0.24365		13.72459	
63 Heptane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
64 1,2-dibromoethane	0.10227	0.10945	0.14242	0.14526	0.14475	0.14244						
	0.15070	+++++					AVRG		0.13390		14.53611	
65 2-hexanone	0.07715	0.07347	0.08129	0.07872	0.07796	0.07616						
	0.08198	+++++					AVRG		0.07810		3.76029	

Alpha Analytical Labs

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Method file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Cal Date : 16-Mar-2016 12:49 Voa105.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2
	2000.0000 Level 10	2.0000 Level 11									
67 chlorobenzene	0.43847	0.50275	0.63434	0.63868	0.64641	0.63938					
	0.63546	+++++					AVRG		0.59078		14.26126
68 ethyl benzene	0.82707	0.88058	1.09979	1.11730	1.12711	1.11866					
	1.10357	+++++					AVRG		1.03915		12.30613
69 1,1,1,2-tetrachloroethane	0.13923	0.15565	0.21092	0.21755	0.22389	0.22391					
	0.23058	+++++					AVRG		0.20025		18.42129
70 p/m xylene	0.28997	0.33882	0.43052	0.44452	0.44858	0.43038					
	0.38869	+++++					AVRG		0.39593		15.31470
71 o xylene	0.28149	0.31810	0.40632	0.41875	0.42097	0.40471					
	0.36692	+++++					AVRG		0.37389		14.62064
72 styrene	0.44005	0.50902	0.65644	0.67835	0.68489	0.65485					
	0.59216	+++++					AVRG		0.60225		15.66839
73 bromoform	1681	6948	47213	156769	446903	682153					
	1223384	+++++					WLINR	0.03984	0.21411		0.99811

Alpha Analytical Labs

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Method file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Cal Date : 16-Mar-2016 12:49 Voa105.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2
	2000.0000 Level 10	2.0000 Level 11									
74 isopropylbenzene	1.57480	1.80767	2.28028	2.33659	2.36552	2.33301					
	2.23994	+++++					AVRG		2.13397		14.64564
76 bromobenzene	0.36005	0.40005	0.50006	0.50428	0.51111	0.50591					
	0.51140	+++++					AVRG		0.47041		13.37567
77 n-propylbenzene	1.78656	2.01033	2.54457	2.59924	2.62863	2.58676					
	2.47805	+++++					AVRG		2.37631		14.14668
78 1,4-dichloro-2-butane	0.39459	0.45176	0.54986	0.54800	0.53918	0.52924					
	0.55365	+++++					AVRG		0.50947		12.11811
79 1,1,2,2,-tetrachloroethane	0.23028	0.23310	0.29963	0.30085	0.30144	0.29565					
	0.31542	+++++					AVRG		0.28234		12.44901
80 4-ethyltoluene	1.52877	1.76021	2.28998	2.34152	2.37384	2.33756					
	2.23755	+++++					AVRG		2.12420		15.87656
81 Butyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000

Alpha Analytical Labs

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Method file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Cal Date : 16-Mar-2016 12:49 Voa105.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2
	2000.0000 Level 10	2.0000 Level 11									
82 2-chlorotoluene	1.13358	1.25598	1.55540	1.57173	1.59737	1.58816					
	1.57846	+++++					AVRG		1.46867		12.99532
83 1,3,5-trimethybenzene	1.20840	1.40710	1.79737	1.84326	1.87603	1.84811					
	1.76153	+++++					AVRG		1.67740		15.59550
84 1,2,3-trichloropropane	0.19416	0.20426	0.26699	0.26580	0.26296	0.25552					
	0.26296	+++++					AVRG		0.24466		12.83450
85 trans-1,4-dichloro-2-butene	0.07898	0.07385	0.09104	0.09415	0.09858	0.09608					
	0.10408	+++++					AVRG		0.09096		11.89595
86 cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
87 4-chorotoluene	1.13441	1.23979	1.57131	1.58479	1.61060	1.60742					
	1.58917	+++++					AVRG		1.47678		13.58779
88 tert-butylbenzene	1.05589	1.21068	1.52170	1.55319	1.58996	1.56884					
	1.52820	+++++					AVRG		1.43264		14.69990

Alpha Analytical Labs

INITIAL CALIBRATION DATA

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Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Cal Date : 16-Mar-2016 12:49 Voa105.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2
	2000.0000 Level 10	2.0000 Level 11									
89 1,2,4-trimethylbenzene	1.19487	1.37359	1.77673	1.81734	1.85193	1.82580					
	1.76983	+++++					AVRG		1.65858		15.82082
90 sec-butylbenzene	1.45334	1.65859	2.11368	2.15980	2.21093	2.16239					
	2.09471	+++++					AVRG		1.97906		15.02638
91 p-isopropyltoluene	1.17711	1.37995	1.76588	1.82091	1.86250	1.82297					
	1.74914	+++++					AVRG		1.65407		16.07100
92 1,3-dichlorobenzene	0.66999	0.74681	0.94525	0.95873	0.97849	0.96779					
	0.97020	+++++					AVRG		0.89104		14.26909
94 1,4-dichlorobenzene	0.67029	0.74729	0.93301	0.95210	0.96136	0.94474					
	0.94543	+++++					AVRG		0.87917		13.51287
95 p-Diethylbenzene	0.65616	0.76471	1.01831	1.04716	1.08279	1.06532					
	1.04011	+++++					AVRG		0.95351		17.84657
96 n-butylbenzene	1.03291	1.17547	1.49061	1.51923	1.56608	1.53246					
	1.51426	+++++					AVRG		1.40443		14.98211

Alpha Analytical Labs

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Method file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Cal Date : 16-Mar-2016 12:49 Voa105.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2
	2000.0000 Level 10	2.0000 Level 11									
97 1,2-dichlorobenzene	0.56071	0.62812	0.78783	0.79770	0.81458	0.79902					
	0.82109	+++++					AVRG		0.74415		14.07062
98 1,2,4,5-tetramethylbenzene	0.98953	1.13045	1.47924	1.52945	1.56898	1.53459					
	1.50238	+++++					AVRG		1.39066		16.62520
99 1,2-dibromo-3-chloropropane	0.08729	0.10465	0.13159	0.13221	0.13442	0.13135					
	0.13610	+++++					AVRG		0.12252		15.41714
100 1,3,5-trichlorobenzene	0.36927	0.41546	0.52477	0.53792	0.54901	0.53158					
	0.53776	+++++					AVRG		0.49511		14.50582
101 hexachlorobutadiene	0.11314	0.13268	0.16085	0.16385	0.16512	0.16120					
	0.16388	+++++					AVRG		0.15153		13.46688
102 1,2,4-trichlorobenzene	0.24457	0.27313	0.33870	0.34974	0.35433	0.34373					
	0.36506	+++++					AVRG		0.32418		14.23145
103 naphthalene	0.39035	0.39345	0.48429	0.49205	0.49266	0.47631					
	0.53635	+++++					AVRG		0.46650		11.66416

Alpha Analytical Labs

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Cal Date : 16-Mar-2016 12:49 Voa105.i

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
104 1,2,3-trichlorobenzene	0.14140	0.14739	0.18265	0.18176	0.18249	0.17726						
	0.19763	+++++					AVRG		0.17294		11.89503	
186 iodomethane	3031	15042	111496	421843	1366672	2088912						
	3598840	+++++					WLINR	0.06657	0.24410		0.99477	<-
187 n-butanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
$ 32 dibromofluoromethane	0.25407	0.25869	0.26036	0.26158	0.26463	0.26312						
	0.26899	0.25342					AVRG		0.26061		2.00902	
$ 38 1,2-dichloroethane-d4	0.27432	0.27952	0.27222	0.27442	0.27693	0.26850						
	0.28453	0.27421					AVRG		0.27558		1.75479	
$ 53 toluene-d8	1.25426	1.25709	1.25722	1.24900	1.22804	1.24143						
	1.22992	1.25579					AVRG		1.24660		0.96891	
$ 75 4-bromofluorobenzene	1.05721	1.04379	1.04168	1.03445	1.01555	1.02191						
	1.01704	1.04968					AVRG		1.03516		1.50691	

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 15-MAR-2016 21:46
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Cal Date : 16-Mar-2016 12:49 Voa105.i

Average %RSD Results.	
Calculated Average %RSD =	13.56378
Maximun Average %RSD =	20.00000
* Passed Average %RSD Test.	

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response

Alpha Analytical Labs

Data file : \\orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\BFB0215N.D
Lab Smp Id:
Inj Date : 15-MAR-2016 21:01
Operator : PD Inst ID: Voa105.i
Smp Info : BFB TUNE
Misc Info : 50ng STD
Comment :
Method : \\orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\bfb.m
Meth Date : 07-Apr-2014 23:37 pduczmalew Quant Type: ISTD
Cal Date : 22-JUN-1994 11:13 Cal File: 622c0101001.d
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: A1VOA1

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.374	3.485	(0.000)	95	55200			100.00- 100.00	100.00
3.374	3.485	(0.000)	50	11128			15.00- 40.00	20.16
3.374	3.485	(0.000)	75	26656			30.00- 60.00	48.29
3.374	3.485	(0.000)	96	3769			5.00- 9.00	6.83
3.374	3.485	(0.000)	173	183			0.00- 2.00	0.45
3.374	3.485	(0.000)	174	40696			50.00- 100.00	73.72
3.374	3.485	(0.000)	175	2935			5.00- 9.00	7.21
3.374	3.485	(0.000)	176	39424			95.00- 101.00	96.87
3.374	3.485	(0.000)	177	2533			5.00- 9.00	6.43

Alpha Analytical Labs

TARGET COMPOUNDS

Client Name: Client SDG: SDGa21992
Lab Smp Id:
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: bfb Level: LOW
Data Type: MS DATA Operator: PD
Misc Info: 50ng STD

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
460-00-4	bfb	0.0	

Data File: \\orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\BFB0215N.D

Date : 15-MAR-2016 21:01

Client ID:

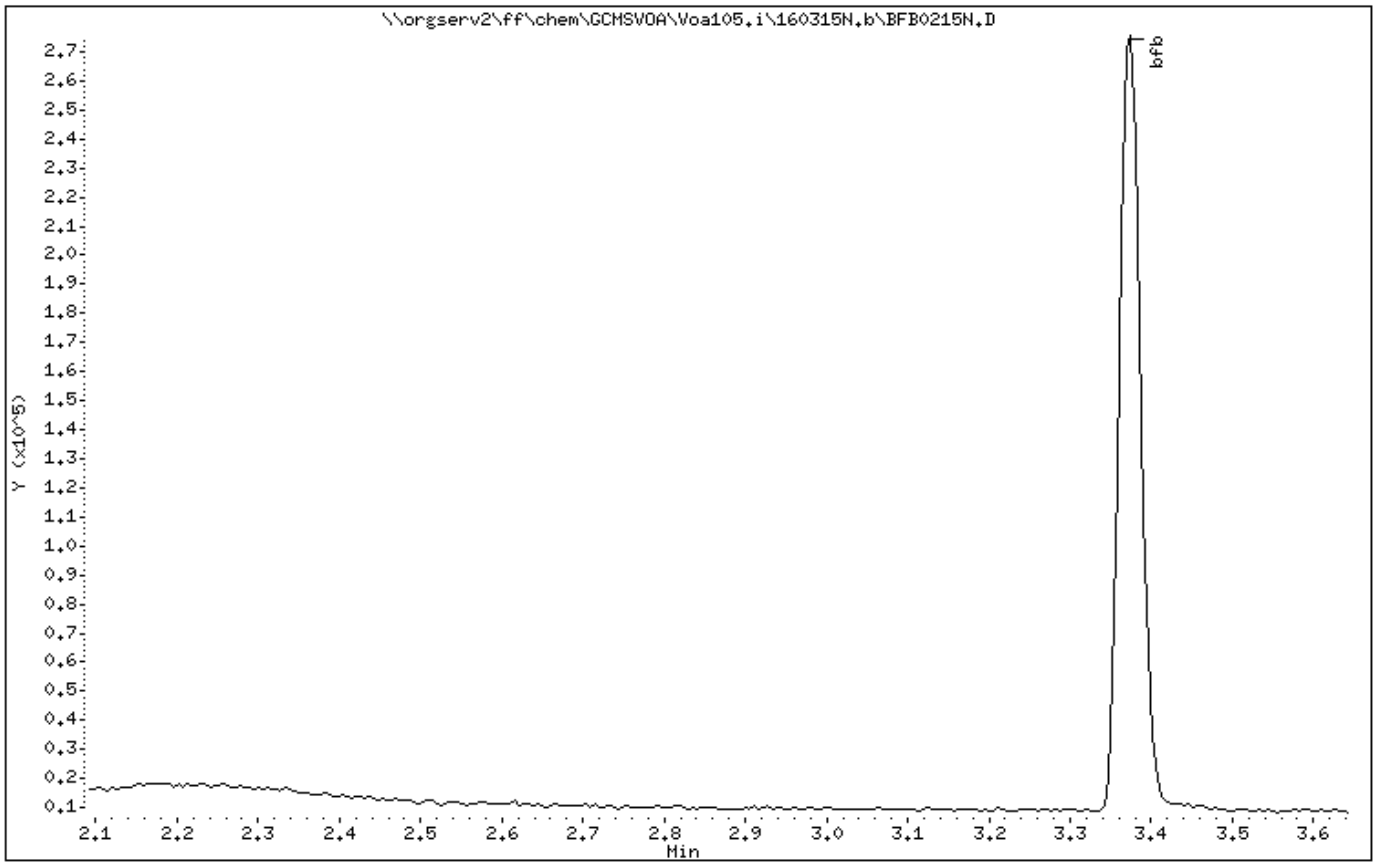
Instrument: Voa105.i

Sample Info: BFB TUNE

Operator: PD

Column phase:

Column diameter: 2.00



Data File: \\orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\BFB0215N.D

Date : 15-MAR-2016 21:01

Client ID:

Instrument: Voa105.i

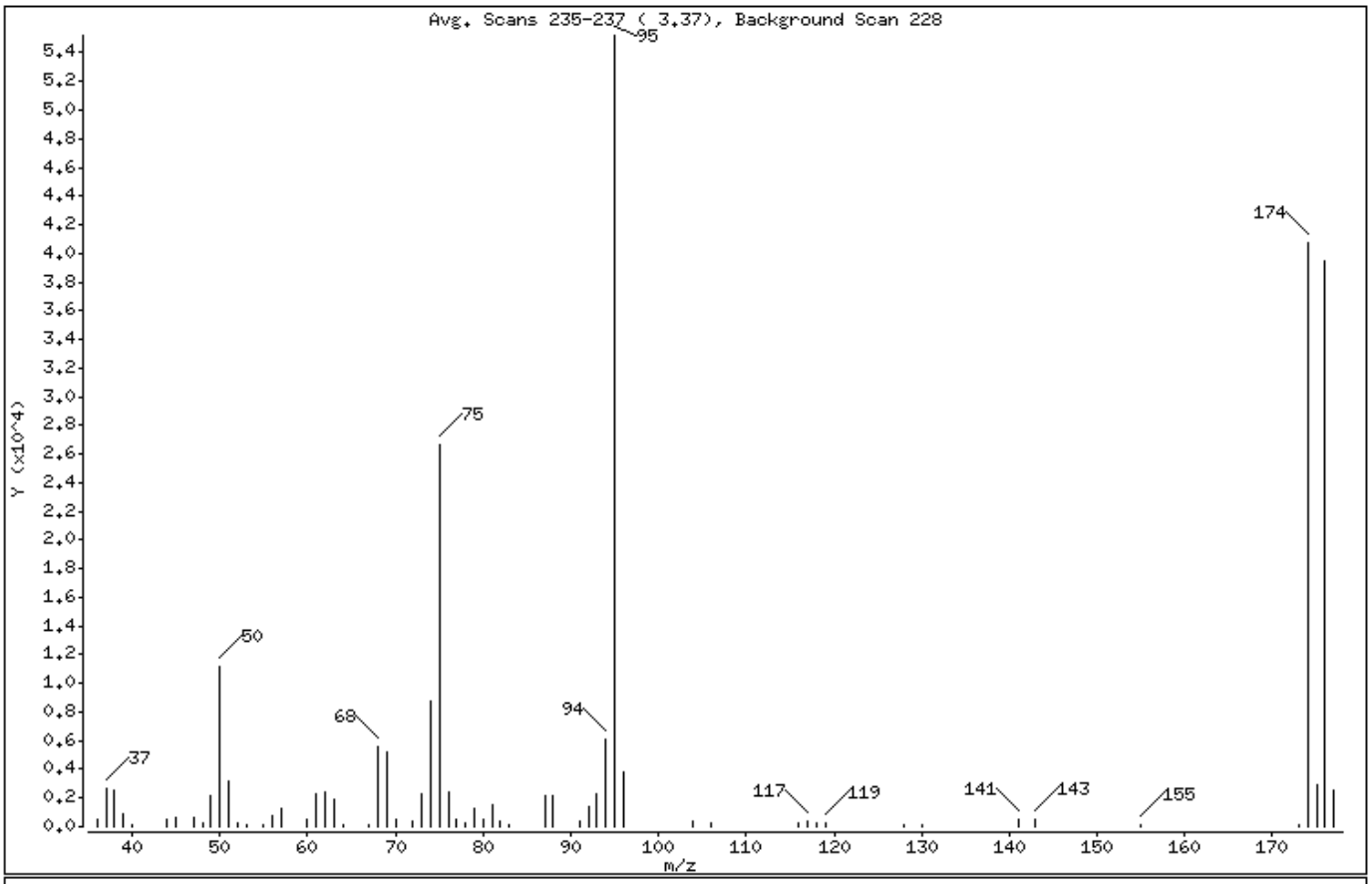
Sample Info: BFB TUNE

Operator: PD

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.16
75	30.00 - 60.00% of mass 95	48.29
96	5.00 - 9.00% of mass 95	6.83
173	Less than 2.00% of mass 174	0.33 (0.45)
174	50.00 - 100.00% of mass 95	73.72
175	5.00 - 9.00% of mass 174	5.32 (7.21)
176	95.00 - 101.00% of mass 174	71.42 (96.87)
177	5.00 - 9.00% of mass 176	4.59 (6.43)

Date : 15-MAR-2016 21:01

Client ID: Instrument: Voa105.i

Sample Info: BFB TUNE

Operator: PD

Column phase: Column diameter: 2.00

Data File: BFB0215N.D
Spectrum: Avg. Scans 235-237 (3.37), Background Scan 228
Location of Maximum: 95.00
Number of points: 62

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	463	57.00	1295	78.00	280	116.00	235
37.00	2681	60.00	466	79.00	1275	117.00	373
38.00	2559	61.00	2281	80.00	452	118.00	232
39.00	921	62.00	2377	81.00	1537	119.00	289
40.00	85	63.00	1866	82.00	421	128.00	74
44.00	446	64.00	75	83.00	66	130.00	79
45.00	595	67.00	136	87.00	2217	141.00	464
47.00	696	68.00	5620	88.00	2101	143.00	507
48.00	316	69.00	5255	91.00	427	155.00	73
49.00	2153	70.00	455	92.00	1435	173.00	183
50.00	11128	72.00	333	93.00	2309	174.00	40696
51.00	3217	73.00	2327	94.00	6144	175.00	2935
52.00	252	74.00	8789	95.00	55200	176.00	39424
53.00	148	75.00	26656	96.00	3769	177.00	2533
55.00	83	76.00	2374	104.00	377		
56.00	772	77.00	463	106.00	255		

Alpha Analytical Labs

gc/ms voa - VOA105

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N02.D
Lab Smp Id:
Inj Date : 15-MAR-2016 21:46
Operator : PD Inst ID: Voa105.i
Smp Info : ICAL L11
Misc Info : wg,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Meth Date : 16-Mar-2016 12:59 Voa105.i Quant Type: ISTD
Cal Date : 16-MAR-2016 00:29 Cal File: 0215N09.D
Als bottle: 2 Calibration Sample, Level: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: vcl.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

		QUANT SIG					AMOUNTS		
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	3 vinyl chloride	62	2.063	2.063	(0.327)	1790	2.00000	1.464(Q)	
$	32 dibromofluoromethane	113	5.484	5.484	(0.870)	185476	100.000	97.240	
$	38 1,2-dichloroethane-d4	65	6.024	6.024	(0.956)	200697	100.000	99.503	
*	41 flourobenzene	96	6.303	6.303	(1.000)	731905	100.000		
$	53 toluene-d8	98	8.000	8.000	(0.811)	707266	100.000	100.737	
*	66 chlorobenzene-d5	117	9.860	9.860	(1.000)	563202	100.000		
$	75 4-bromofluorobenzene	95	11.312	11.312	(0.905)	279192	100.000	101.402	
*	93 1,4-dichlorobenzene-d4	152	12.496	12.496	(1.000)	265977	100.000	(Q)	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa105.i
Lab File ID: 0215N02.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Misc Info: wg,ical

Calibration Date: 15-MAR-2016
Calibration Time: 22:56
Level: LOW
Sample Type: WATER

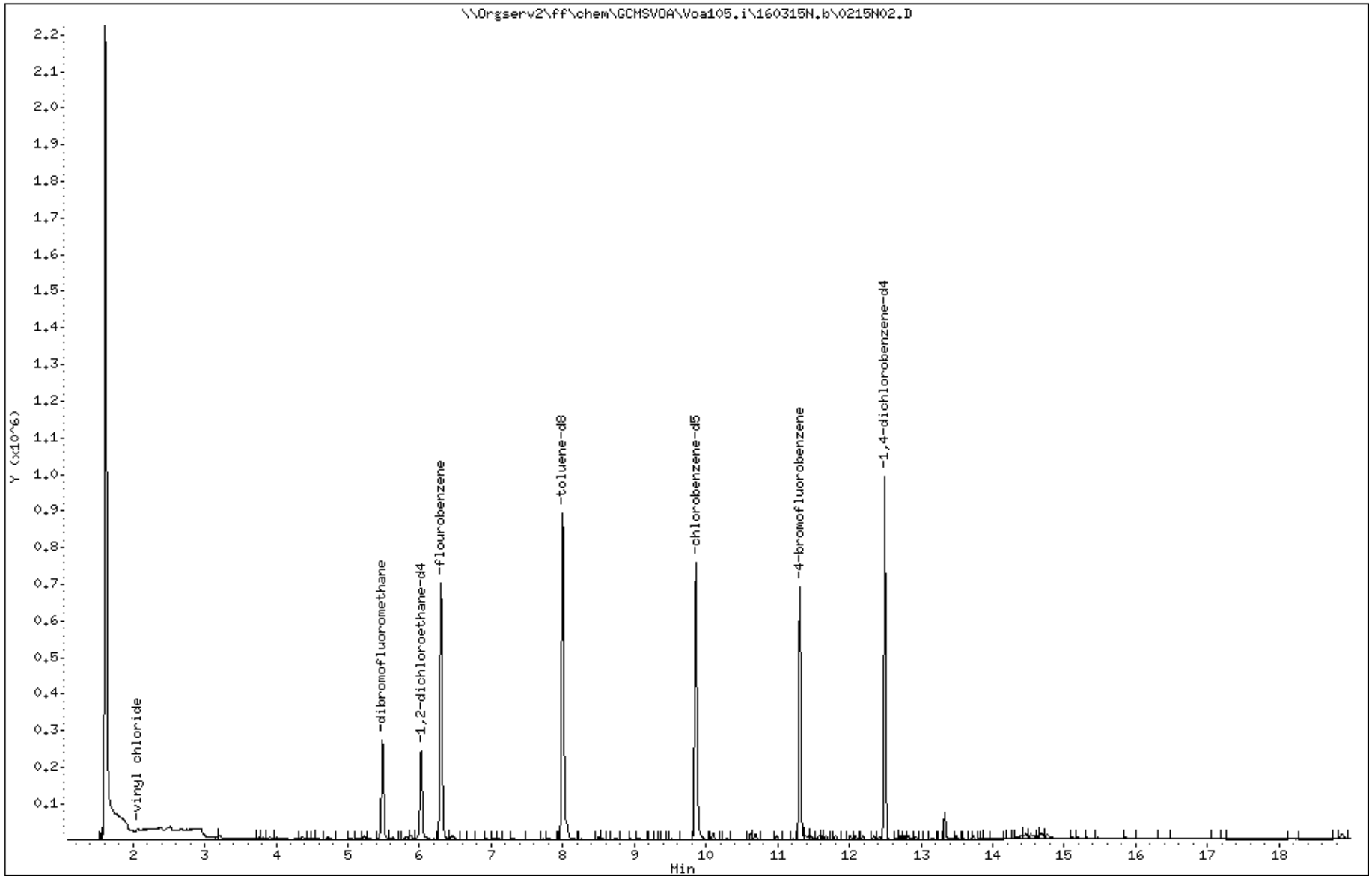
Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	714313	357157	1428626	731905	2.46
66 chlorobenzene-d5	555225	277613	1110450	563202	1.44
93 1,4-dichlorobenze	263012	131506	526024	265977	1.13

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	6.30	5.80	6.80	6.30	0.00
66 chlorobenzene-d5	9.86	9.36	10.36	9.86	0.00
93 1,4-dichlorobenze	12.50	12.00	13.00	12.50	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N02.D
Date : 15-MAR-2016 21:46
Client ID:
Instrument: Voa105.i
Sample Info: ICAL L11
Purge Volume: 10.0
Operator: PD
Column phase:
Column diameter: 0.18



Alpha Analytical Labs

Manual Integration

Sample Info	: ICAL L11 wg,ical		
Instrument ID	: Voa105.i		
Method	: liq8260B.m		
File	: 0215N02.D		
Injection Date	: 15-MAR-2016 21:46		
Quantitation	: ISTD	Integrator : HP RTE	
Dilution Factor	: 1.00	Sample Type: CALIB_11	

There are no manual integrations in this file.

Alpha Analytical Labs

gc/ms voa - VOA105

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N03.D
Lab Smp Id:
Inj Date : 15-MAR-2016 22:10
Operator : PD Inst ID: Voa105.i
Smp Info : ICAL L1
Misc Info : wg,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Meth Date : 16-Mar-2016 12:59 Voa105.i Quant Type: ISTD
Cal Date : 15-MAR-2016 21:46 Cal File: 0215N02.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	1.774	1.774	(0.281)	4090	5.00000	3.403	
2	chloromethane	50	1.976	1.976	(0.314)	4181	5.00000	3.917	
3	vinyl chloride	62	2.063	2.063	(0.327)	4333	5.00000	3.550(Q)	
4	bromomethane	94	2.401	2.401	(0.381)	1581	5.00000	7.445(Q)	
5	chloroethane	64	2.527	2.527	(0.401)	2196	5.00000	4.192(Q)	
6	trichlorofluoromethane	101	2.669	2.669	(0.423)	5792	5.00000	3.587	
7	ethyl ether	74	2.980	2.980	(0.473)	2266	5.00000	4.200(Q)	
8	1,1,-dichloroethene	96	3.181	3.181	(0.505)	3781	5.00000	3.605	
9	carbon disulfide	76	3.214	3.214	(0.510)	12681	5.00000	3.956	
10	freon-113	101	3.214	3.214	(0.510)	3917	5.00000	3.447	
186	iodomethane	142	3.329	3.329	(0.528)	3031	5.00000	8.355	
12	acrolein	56	3.525	3.525	(0.559)	1547	5.00000	14.282(QM)	M1
11	methylene chloride	84	3.760	3.760	(0.597)	3892	5.00000	3.715	
13	acetone	43	3.814	3.814	(0.605)	5424	5.00000	7.466	
14	trans-1,2-dichloroethene	96	3.913	3.913	(0.621)	4242	5.00000	3.647	
15	Methyl Acetate	43	3.929	3.929	(0.623)	2839	5.00000	6.117(QM)	M2
16	methyl tert butyl ether	73	4.005	4.005	(0.636)	8987	5.00000	3.797	
17	Tert-Butyl Alcohol	59	4.098	4.098	(0.650)	799	25.0000	17.865	
18	Diisopropyl Ether	45	4.371	4.371	(0.694)	15623	5.00000	3.930	
19	1,1-dichloroethane	63	4.513	4.513	(0.716)	8237	5.00000	3.673	
20	halothane	117	4.556	4.556	(0.723)	3134	5.00000	3.385	
21	acrylonitrile	53	4.573	4.573	(0.726)	1153	5.00000	4.655	
22	Ethyl-Tert-Butyl-Ether	59	4.720	4.720	(0.749)	11948	5.00000	3.670	
23	vinyl acetate	43	4.742	4.742	(0.752)	7565	5.00000	4.168	
24	cis-1,2-dichloroethene	96	5.031	5.031	(0.798)	4839	5.00000	3.817	
25	2,2-dichloropropane	77	5.140	5.140	(0.816)	7242	5.00000	3.821(M)	M1
26	Cyclohexane	56	5.228	5.228	(0.829)	8742	5.00000	3.763	
27	bromochloromethane	128	5.239	5.239	(0.831)	2044	5.00000	3.684	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	28 chloroform	83	5.299	5.299	(0.841)	8048	5.00000	3.865	
	29 Ethyl Acetate	43	5.413	5.413	(0.859)	2794	5.00000	4.124	
	30 carbontetrachloride	117	5.435	5.435	(0.862)	5923	5.00000	3.360	
$	32 dibromofluoromethane	113	5.484	5.484	(0.870)	185739	100.000	97.491	
	31 tetrahydrofuran	42	5.457	5.457	(0.866)	921	5.00000	3.940(QM)	M2
	33 1,1,1-trichloroethane	97	5.500	5.500	(0.873)	6922	5.00000	3.551	
	34 2-butanone	43	5.610	5.610	(0.890)	2255	5.00000	6.997(Q)	
	35 1,1-dichloropropene	75	5.631	5.631	(0.894)	5935	5.00000	3.558	
	36 benzene	78	5.882	5.882	(0.933)	19880	5.00000	4.132(M)	M1
	37 Tertiary-Amyl Methyl Ether	73	5.981	5.981	(0.949)	9536	5.00000	3.693	
$	38 1,2-dichloroethane-d4	65	6.024	6.024	(0.956)	200546	100.000	99.543	
	39 1,2-dichloroethane	62	6.090	6.090	(0.966)	6128	5.00000	4.255	
*	41 flourobenzene	96	6.302	6.302	(1.000)	731058	100.000		
	42 methyl cyclohexane	83	6.461	6.461	(1.025)	7042	5.00000	3.405	
	43 trichloroethene	95	6.472	6.472	(1.027)	4741	5.00000	3.678	
	45 dibromomethane	93	6.930	6.930	(1.100)	2243	5.00000	3.798	
	46 1,2-dichloropropane	63	7.034	7.034	(1.116)	4384	5.00000	3.662(M)	M2
	47 bromodichloromethane	83	7.099	7.099	(1.126)	5380	5.00000	3.566	
	49 1,4-Dioxane	88	7.312	7.312	(1.160)	5018	1000.00	906.763	
	51 2-Chloroethylvinyl ether	63	7.721	7.721	(1.225)	1841	5.00000	3.466	
	52 cis-1,3-dichloropropene	75	7.798	7.798	(1.237)	6364	5.00000	3.567	
$	53 toluene-d8	98	7.999	7.999	(0.811)	707182	100.000	100.614	
	54 toluene	92	8.059	8.059	(0.817)	19971	5.00000	5.796	
	56 4-methyl-2-pentanone	58	8.496	8.496	(1.348)	803	5.00000	3.449(Q)	
	55 tetrachloroethene	166	8.501	8.501	(0.862)	4638	5.00000	3.531	
	57 trans-1,3-dichloropropene	75	8.551	8.551	(0.867)	4906	5.00000	3.430	
	59 ethyl-methacrylate	69	8.725	8.725	(0.885)	3724	5.00000	3.634	
	60 1,1,2-trichloroethane	83	8.741	8.741	(0.887)	2333	5.00000	3.666	
	61 chlorodibromomethane	129	8.949	8.949	(0.908)	3196	5.00000	6.624	
	62 1,3-dichloropropane	76	9.063	9.063	(0.919)	5177	5.00000	3.768	
	64 1,2-dibromoethane	107	9.233	9.233	(0.936)	2883	5.00000	3.818(M)	M2
	65 2-hexanone	43	9.511	9.511	(0.965)	2175	5.00000	4.939(Q)	
*	66 chlorobenzene-d5	117	9.860	9.860	(1.000)	563825	100.000		
	67 chlorobenzene	112	9.882	9.882	(1.002)	12361	5.00000	3.710(Q)	
	68 ethyl benzene	91	9.909	9.909	(1.005)	23316	5.00000	3.979(M)	M1
	69 1,1,1,2-tetrachloroethane	131	9.964	9.964	(1.011)	3925	5.00000	3.476	
	70 p/m xylene	106	10.100	10.100	(1.024)	16349	10.0000	7.323	
	71 o xylene	106	10.618	10.618	(1.077)	15871	10.0000	7.528	
	72 styrene	104	10.689	10.689	(1.084)	24811	10.0000	7.306	
	73 bromoform	173	10.717	10.717	(0.858)	1681	5.00000	6.951(M)	M2
	74 isopropylbenzene	105	10.990	10.990	(0.879)	20837	5.00000	3.689	
$	75 4-bromofluorobenzene	95	11.311	11.311	(0.905)	279771	100.000	102.129	
	76 bromobenzene	156	11.421	11.421	(0.914)	4764	5.00000	3.826	
	77 n-propylbenzene	91	11.453	11.453	(0.917)	23639	5.00000	3.759	
	78 1,4-dichloro-2-butane	55	11.486	11.486	(0.919)	5221	5.00000	3.872	
	79 1,1,2,2,-tetrachloroethane	83	11.552	11.552	(0.924)	3047	5.00000	4.078	
	80 4-ethyltoluene	105	11.579	11.579	(0.927)	20228	5.00000	3.598	
	82 2-chlorotoluene	91	11.622	11.622	(0.930)	14999	5.00000	3.859(H)	
	83 1,3,5-trimethybenzene	105	11.672	11.672	(0.934)	15989	5.00000	3.602	
	84 1,2,3-trichloropropane	75	11.688	11.688	(0.935)	2569	5.00000	3.967(H)	
	85 trans-1,4-dichloro-2-butene	53	11.742	11.742	(0.940)	1045	5.00000	4.341(Q)	
	87 4-chorotoluene	91	11.808	11.808	(0.945)	15010	5.00000	3.840	
	88 tert-butylbenzene	119	12.010	12.010	(0.961)	13971	5.00000	3.685	
	89 1,2,4-trimethylbenzene	105	12.086	12.086	(0.967)	15810	5.00000	3.602	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	90 sec-butylbenzene	105	12.195	12.195	(0.976)	19230	5.00000	3.671	
	91 p-isopropyltoluene	119	12.343	12.343	(0.988)	15575	5.00000	3.558	
	92 1,3-dichlorobenzene	146	12.419	12.419	(0.994)	8865	5.00000	3.759	
*	93 1,4-dichlorobenzene-d4	152	12.495	12.495	(1.000)	264631	100.000		
	94 1,4-dichlorobenzene	146	12.512	12.512	(1.001)	8869	5.00000	3.812(Q)	
	95 p-Diethylbenzene	119	12.714	12.714	(1.017)	8682	5.00000	3.440	
	96 n-butylbenzene	91	12.768	12.768	(1.022)	13667	5.00000	3.677	
	97 1,2-dichlorobenzene	146	12.932	12.932	(1.035)	7419	5.00000	3.767	
	98 1,2,4,5-tetramethylbenzene	119	13.499	13.499	(1.080)	13093	5.00000	3.557	
	99 1,2-dibromo-3-chloropropane	75	13.723	13.723	(1.098)	1155	5.00000	3.562(QM)	M2
	100 1,3,5-trichlorobenzene	180	13.729	13.729	(1.099)	4886	5.00000	3.729	
	101 hexachlorobutadiene	225	14.291	14.291	(1.144)	1497	5.00000	3.733	
	102 1,2,4-trichlorobenzene	180	14.323	14.323	(1.146)	3236	5.00000	3.772	
	103 naphthalene	128	14.623	14.623	(1.170)	5165	5.00000	4.183	
	104 1,2,3-trichlorobenzene	180	14.787	14.787	(1.183)	1871	5.00000	4.088	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa105.i
Lab File ID: 0215N03.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Misc Info: wg,ical

Calibration Date: 15-MAR-2016
Calibration Time: 22:56
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	714313	357157	1428626	731058	2.34
66 chlorobenzene-d5	555225	277613	1110450	563825	1.55
93 1,4-dichlorobenze	263012	131506	526024	264631	0.62

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	6.30	5.80	6.80	6.30	-0.00
66 chlorobenzene-d5	9.86	9.36	10.36	9.86	-0.00
93 1,4-dichlorobenze	12.50	12.00	13.00	12.50	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N03.D

Date : 15-MAR-2016 22:10

Client ID:

Instrument: Voa105.i

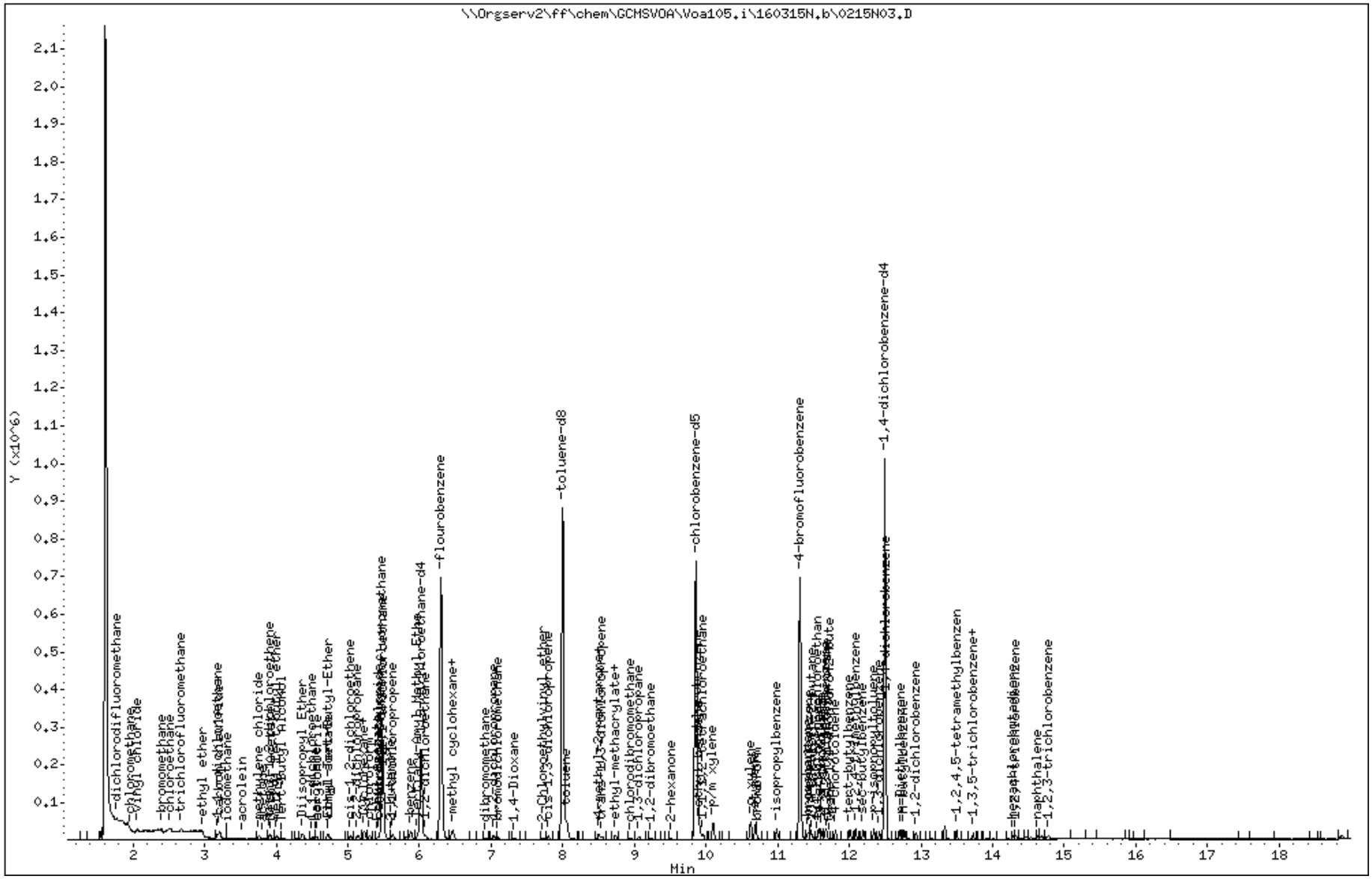
Sample Info: ICAL L1

Purge Volume: 10.0

Operator: PD

Column phase:

Column diameter: 0.18



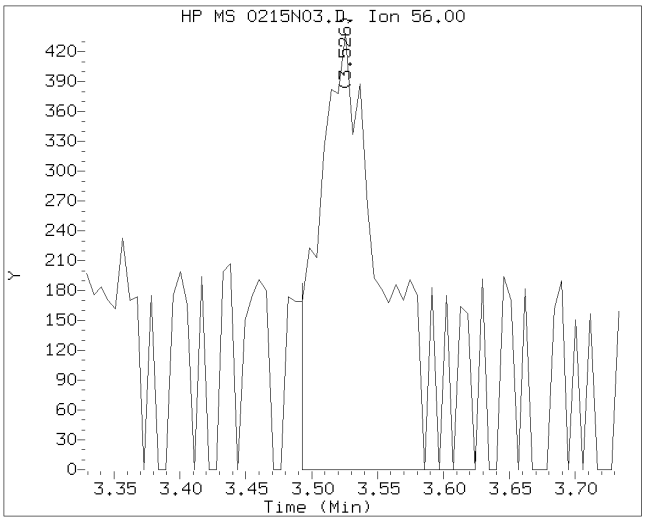
Alpha Analytical Labs

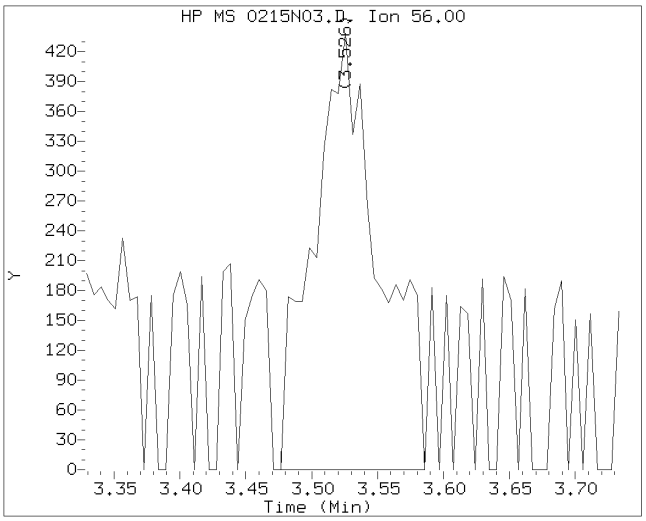
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0215N03.D
Injection Date : 15-MAR-2016 22:10
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 12: acrolein

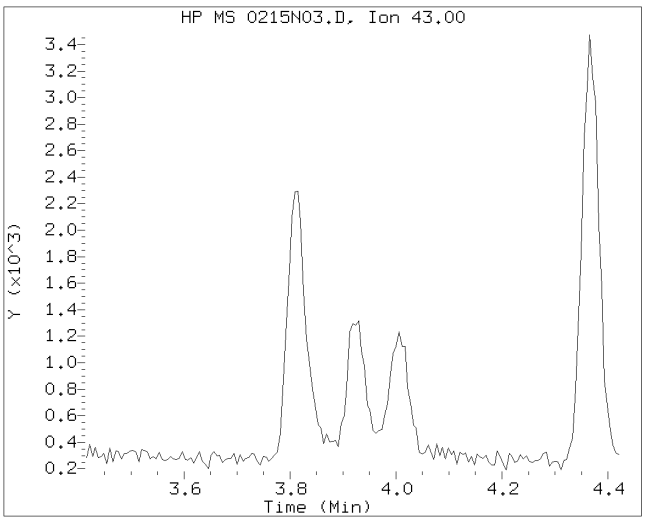


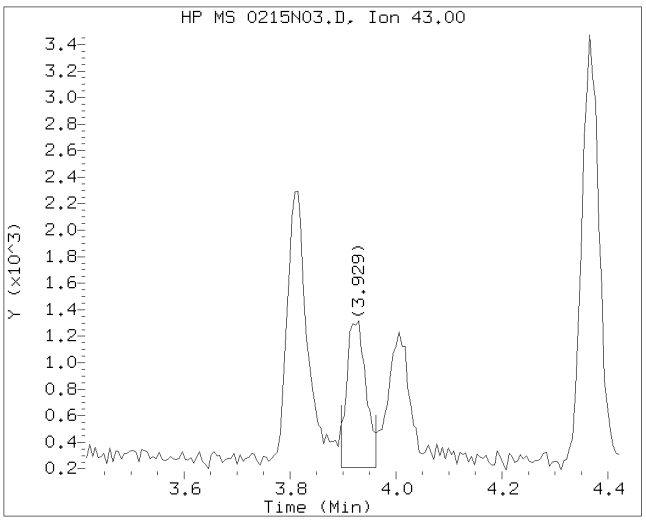


Original Peak Response = 1657 Manual Peak Response = 1547 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 15: Methyl Acetate





Original Peak Response = 0 Manual Peak Response = 2839 M2

M2 = Peak not found by automatic integration algorithm.

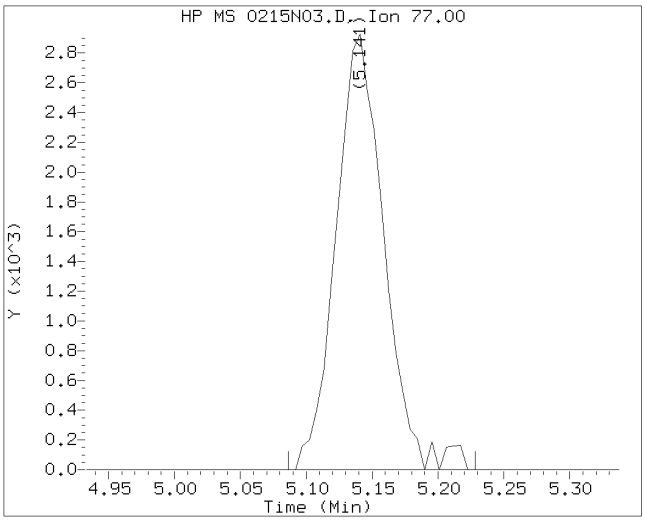
Alpha Analytical Labs

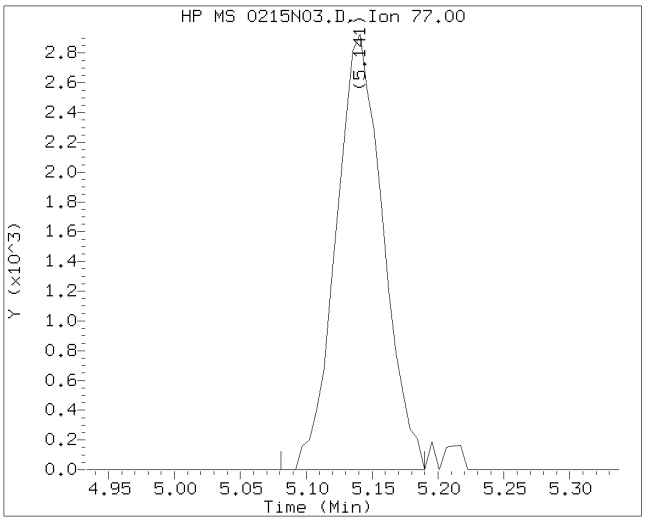
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0215N03.D
Injection Date : 15-MAR-2016 22:10
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 25: 2,2-dichloropropane

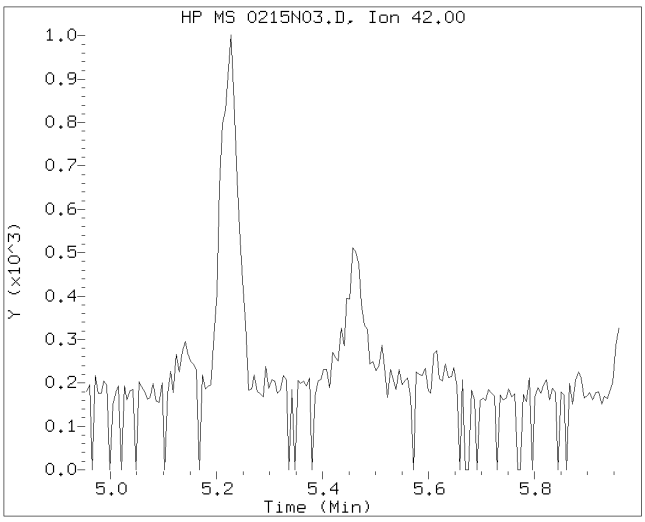


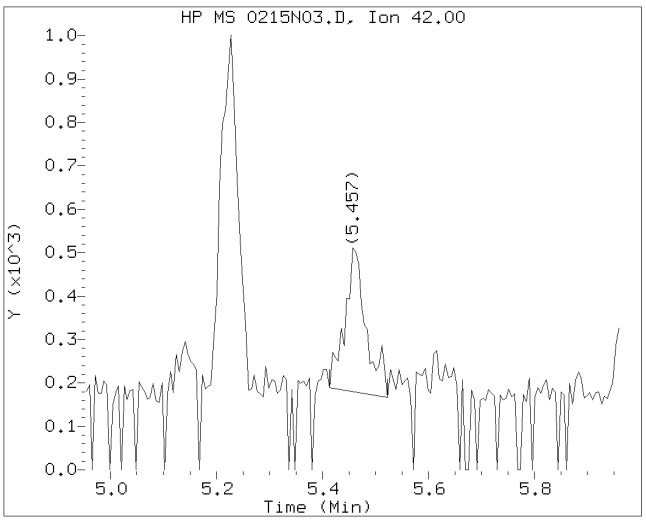


Original Peak Response = 7460 Manual Peak Response = 7242 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 31: tetrahydrofuran





Original Peak Response = 0 Manual Peak Response = 921 M2

M2 = Peak not found by automatic integration algorithm.

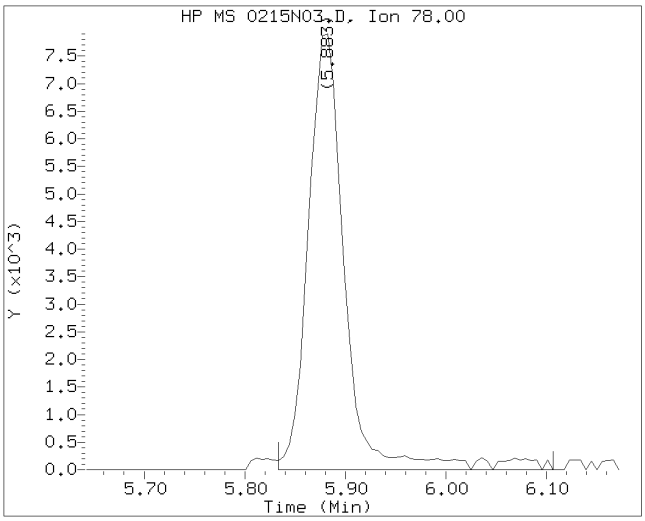
Alpha Analytical Labs

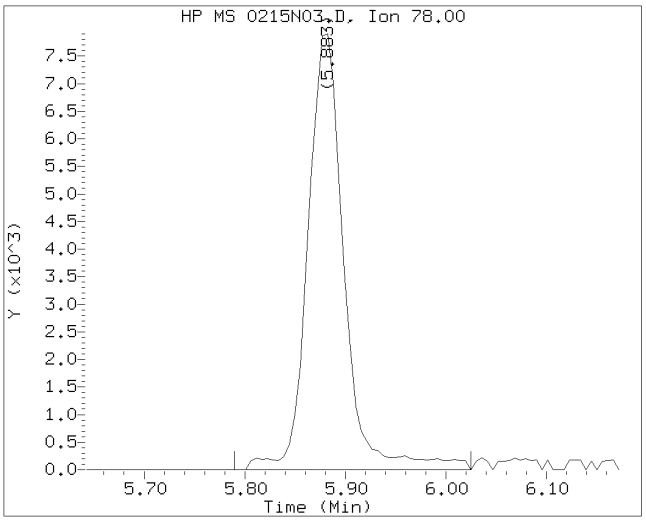
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0215N03.D
Injection Date : 15-MAR-2016 22:10
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 36: benzene

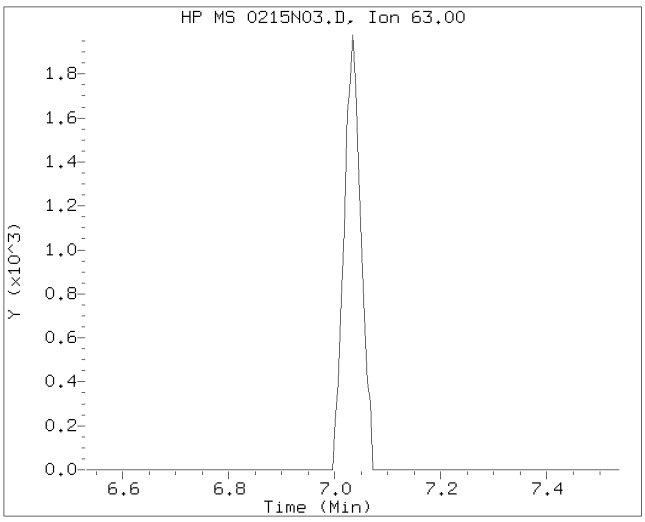


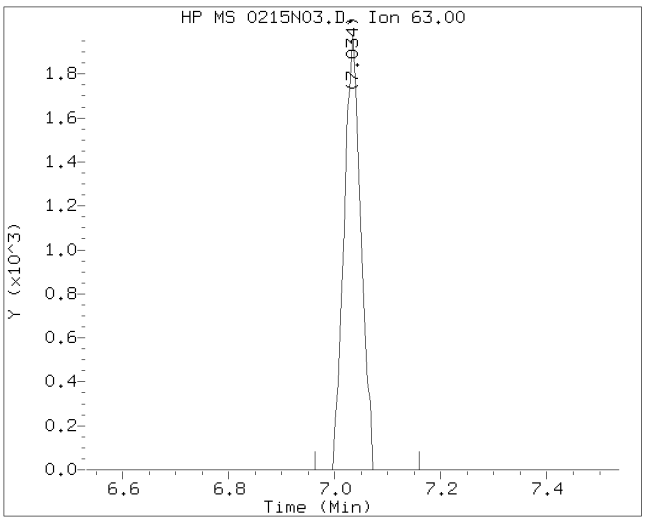


Original Peak Response = 20261 Manual Peak Response = 19880 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 46: 1,2-dichloropropane





Original Peak Response = 0 Manual Peak Response = 4384 M2

M2 = Peak not found by automatic integration algorithm.

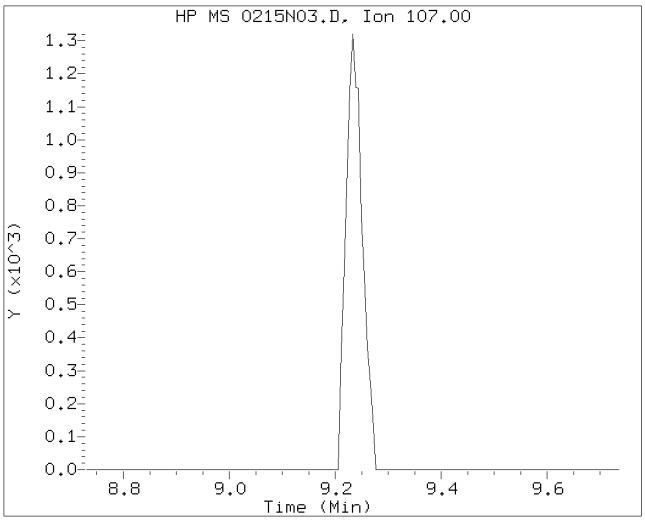
Alpha Analytical Labs

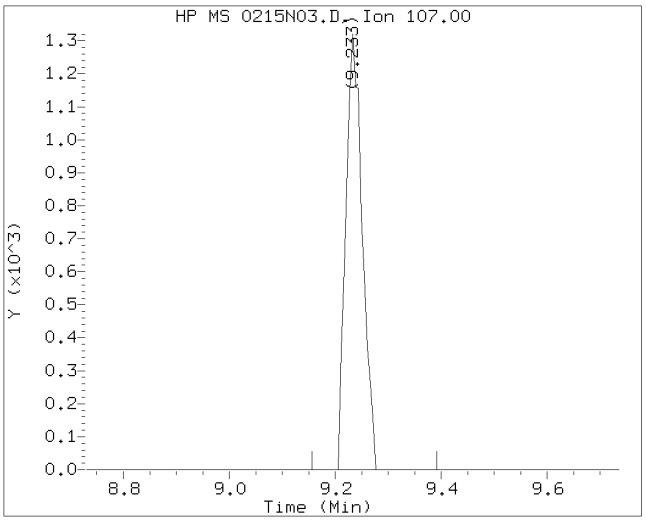
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0215N03.D
Injection Date : 15-MAR-2016 22:10
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 64: 1,2-dibromoethane

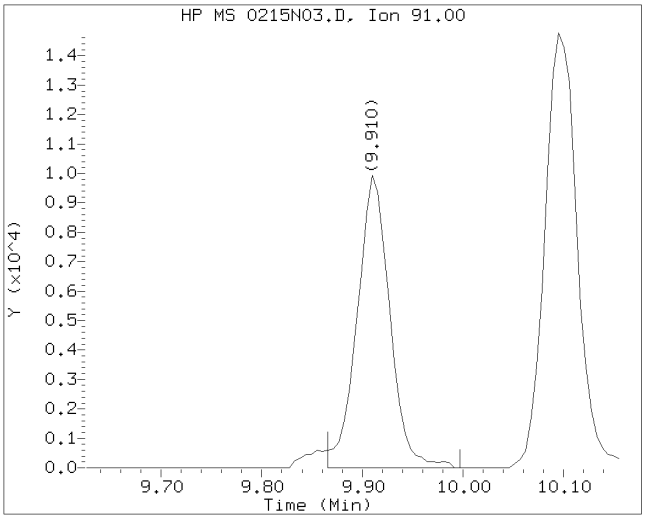


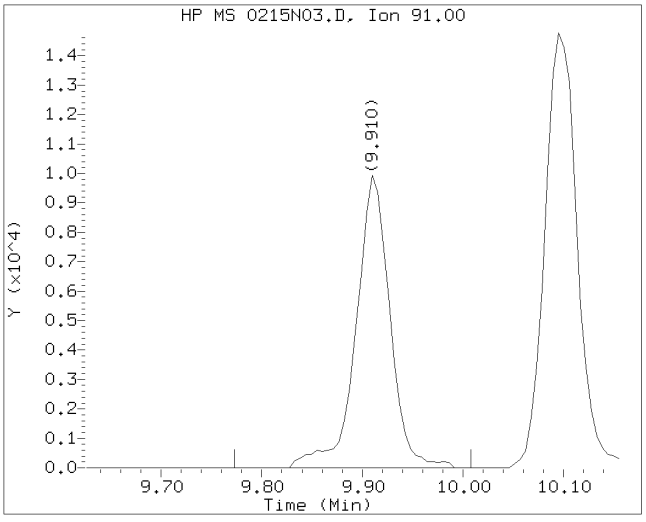


Original Peak Response = 0 Manual Peak Response = 2883 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 68: ethyl benzene





Original Peak Response = 22443 Manual Peak Response = 23316 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

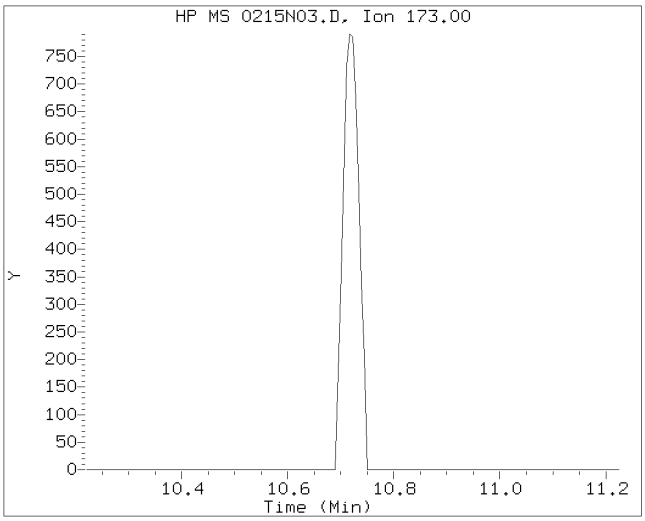
Alpha Analytical Labs

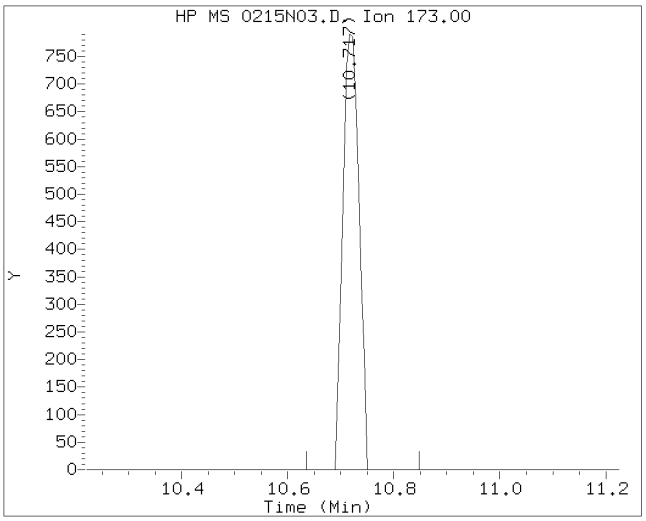
Manual Integration

Sample Info : ICAL L1
wg,ical

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0215N03.D
Injection Date : 15-MAR-2016 22:10
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_1

Compound # 73: bromoform

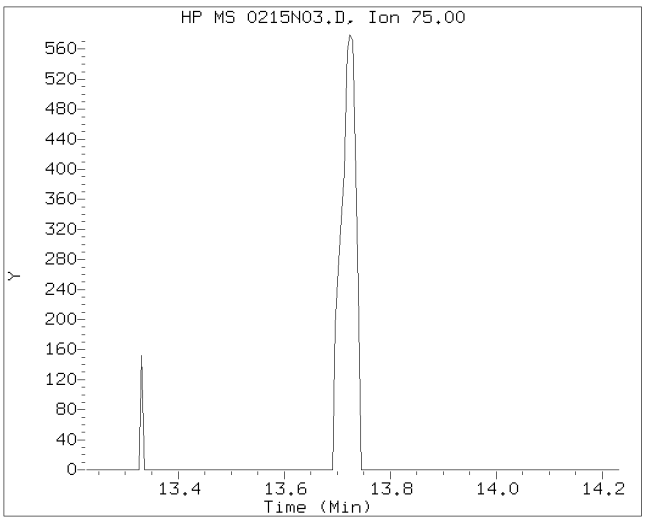


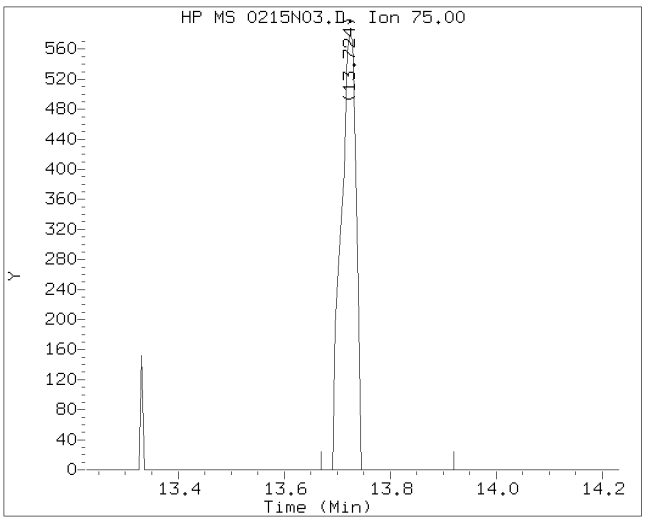


Original Peak Response = 0 Manual Peak Response = 1681 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 99: 1,2-dibromo-3-chloropropane





Original Peak Response = 0 Manual Peak Response = 1155 M2

M2 = Peak not found by automatic integration algorithm.

Alpha Analytical Labs

gc/ms voa - VOA105

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N04.D
Lab Smp Id:
Inj Date : 15-MAR-2016 22:33
Operator : PD Inst ID: Voa105.i
Smp Info : ICAL L2
Misc Info : wg,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Meth Date : 16-Mar-2016 12:59 Voa105.i Quant Type: ISTD
Cal Date : 15-MAR-2016 22:10 Cal File: 0215N03.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	1.774	1.774	(0.281)	19841	20.0000	16.739	
2	chloromethane	50	1.976	1.976	(0.314)	18682	20.0000	17.749	
3	vinyl chloride	62	2.063	2.063	(0.327)	20953	20.0000	17.406(Q)	
4	bromomethane	94	2.396	2.396	(0.380)	7415	20.0000	17.644(Q)	
5	chloroethane	64	2.532	2.532	(0.402)	10649	20.0000	20.615(QM)	M1
6	trichlorofluoromethane	101	2.674	2.674	(0.424)	28098	20.0000	17.644	
7	ethyl ether	74	2.980	2.980	(0.473)	8986	20.0000	16.887	
8	1,1,-dichloroethene	96	3.181	3.181	(0.505)	17666	20.0000	17.078	
9	carbon disulfide	76	3.209	3.209	(0.509)	53891	20.0000	17.049	
10	freon-113	101	3.220	3.220	(0.511)	18709	20.0000	16.696	
186	iodomethane	142	3.329	3.329	(0.528)	15042	20.0000	15.203	
12	acrolein	56	3.525	3.525	(0.559)	2246	20.0000	21.024(Q)	
11	methylene chloride	84	3.760	3.760	(0.597)	17897	20.0000	17.324	
13	acetone	43	3.809	3.809	(0.604)	6127	20.0000	11.901	
14	trans-1,2-dichloroethene	96	3.913	3.913	(0.621)	19331	20.0000	16.851	
15	Methyl Acetate	43	3.924	3.924	(0.623)	7340	20.0000	16.035(Q)	
16	methyl tert butyl ether	73	4.005	4.005	(0.636)	38428	20.0000	16.463	
17	Tert-Butyl Alcohol	59	4.098	4.098	(0.650)	3675	100.000	83.316	
18	Diisopropyl Ether	45	4.365	4.365	(0.693)	66357	20.0000	16.926	
19	1,1-dichloroethane	63	4.513	4.513	(0.716)	37591	20.0000	16.995	
20	halothane	117	4.556	4.556	(0.723)	15005	20.0000	16.432	
21	acrylonitrile	53	4.567	4.567	(0.725)	4273	20.0000	17.494	
22	Ethyl-Tert-Butyl-Ether	59	4.720	4.720	(0.749)	52773	20.0000	16.438	
23	vinyl acetate	43	4.747	4.747	(0.753)	33105	20.0000	18.495	
24	cis-1,2-dichloroethene	96	5.037	5.037	(0.799)	20929	20.0000	16.739	
25	2,2-dichloropropane	77	5.140	5.140	(0.816)	32003	20.0000	17.123	
26	Cyclohexane	56	5.228	5.228	(0.829)	38581	20.0000	16.842	
27	bromochloromethane	128	5.233	5.233	(0.830)	8857	20.0000	16.187	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	28 chloroform	83	5.304	5.304	(0.842)	35331	20.0000	17.204	
	29 Ethyl Acetate	43	5.408	5.408	(0.858)	11658	20.0000	17.449	
	30 carbontetrachloride	117	5.435	5.435	(0.862)	27709	20.0000	15.941	
$	32 dibromofluoromethane	113	5.484	5.484	(0.870)	186526	100.000	99.265	
	31 tetrahydrofuran	42	5.457	5.457	(0.866)	5402	20.0000	23.434(M)	M1
	33 1,1,1-trichloroethane	97	5.506	5.506	(0.874)	32190	20.0000	16.745	
	34 2-butanone	43	5.610	5.610	(0.890)	5595	20.0000	17.603	
	35 1,1-dichloropropene	75	5.626	5.626	(0.893)	27453	20.0000	16.687	
	36 benzene	78	5.882	5.882	(0.933)	79067	20.0000	16.666	
	37 Tertiary-Amyl Methyl Ether	73	5.975	5.975	(0.948)	41089	20.0000	16.135	
$	38 1,2-dichloroethane-d4	65	6.024	6.024	(0.956)	201544	100.000	101.429	
	39 1,2-dichloroethane	62	6.090	6.090	(0.966)	24342	20.0000	17.138	
*	41 flourobenzene	96	6.302	6.302	(1.000)	721033	100.000		
	42 methyl cyclohexane	83	6.461	6.461	(1.025)	33432	20.0000	16.390	
	43 trichloroethene	95	6.472	6.472	(1.027)	21188	20.0000	16.669	
	45 dibromomethane	93	6.930	6.930	(1.100)	9539	20.0000	16.380	
	46 1,2-dichloropropane	63	7.034	7.034	(1.116)	20089	20.0000	17.015	
	47 bromodichloromethane	83	7.099	7.099	(1.126)	23758	20.0000	15.968	
	49 1,4-Dioxane	88	7.312	7.312	(1.160)	21471	4000.00	3933.798	
	51 2-Chloroethylvinyl ether	63	7.721	7.721	(1.225)	8338	20.0000	15.917	
	52 cis-1,3-dichloropropene	75	7.792	7.792	(1.236)	27982	20.0000	15.905	
$	53 toluene-d8	98	7.999	7.999	(0.811)	703241	100.000	100.842	
	54 toluene	92	8.059	8.059	(0.817)	65883	20.0000	19.272	
	56 4-methyl-2-pentanone	58	8.501	8.501	(1.349)	3716	20.0000	16.184(Q)	
	55 tetrachloroethene	166	8.501	8.501	(0.862)	21750	20.0000	16.689	
	57 trans-1,3-dichloropropene	75	8.551	8.551	(0.867)	22164	20.0000	15.619	
	59 ethyl-methacrylate	69	8.725	8.725	(0.885)	16122	20.0000	15.856	
	60 1,1,2-trichloroethane	83	8.736	8.736	(0.886)	10771	20.0000	17.062	
	61 chlorodibromomethane	129	8.949	8.949	(0.908)	14389	20.0000	16.522	
	62 1,3-dichloropropane	76	9.063	9.063	(0.919)	23337	20.0000	17.121	
	64 1,2-dibromoethane	107	9.233	9.233	(0.936)	12246	20.0000	16.348(M)	M2
	65 2-hexanone	43	9.511	9.511	(0.965)	8220	20.0000	18.813(M)	M1
*	66 chlorobenzene-d5	117	9.860	9.860	(1.000)	559418	100.000		
	67 chlorobenzene	112	9.882	9.882	(1.002)	56250	20.0000	17.019(Q)	
	68 ethyl benzene	91	9.909	9.909	(1.005)	98522	20.0000	16.947	
	69 1,1,1,2-tetrachloroethane	131	9.958	9.958	(1.010)	17415	20.0000	15.546	
	70 p/m xylene	106	10.095	10.095	(1.024)	75816	40.0000	34.230	
	71 o xylene	106	10.624	10.624	(1.077)	71180	40.0000	34.030	
	72 styrene	104	10.689	10.689	(1.084)	113903	40.0000	33.808	
	73 bromoform	173	10.717	10.717	(0.858)	6948	20.0000	16.193	
	74 isopropylbenzene	105	10.990	10.990	(0.879)	96093	20.0000	16.941	
$	75 4-bromofluorobenzene	95	11.311	11.311	(0.905)	277431	100.000	100.833	
	76 bromobenzene	156	11.421	11.421	(0.914)	21266	20.0000	17.008	
	77 n-propylbenzene	91	11.453	11.453	(0.917)	106866	20.0000	16.919	
	78 1,4-dichloro-2-butane	55	11.486	11.486	(0.919)	24015	20.0000	17.734	
	79 1,1,2,2,-tetrachloroethane	83	11.546	11.546	(0.924)	12391	20.0000	16.511	
	80 4-ethyltoluene	105	11.579	11.579	(0.927)	93570	20.0000	16.572	
	82 2-chlorotoluene	91	11.628	11.628	(0.931)	66766	20.0000	17.103(MH)	M1
	83 1,3,5-trimethybenzene	105	11.672	11.672	(0.934)	74799	20.0000	16.777	
	84 1,2,3-trichloropropane	75	11.688	11.688	(0.935)	10858	20.0000	16.696	
	85 trans-1,4-dichloro-2-butene	53	11.737	11.737	(0.939)	3926	20.0000	16.238	
	87 4-chorotoluene	91	11.803	11.803	(0.945)	65905	20.0000	16.790	
	88 tert-butylbenzene	119	12.010	12.010	(0.961)	64358	20.0000	16.901	
	89 1,2,4-trimethylbenzene	105	12.086	12.086	(0.967)	73018	20.0000	16.563	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	90 sec-butylbenzene	105	12.195	12.195	(0.976)	88168	20.0000	16.761	
	91 p-isopropyltoluene	119	12.343	12.343	(0.988)	73356	20.0000	16.685	
	92 1,3-dichlorobenzene	146	12.419	12.419	(0.994)	39699	20.0000	16.762	
*	93 1,4-dichlorobenzene-d4	152	12.495	12.495	(1.000)	265792	100.000		
	94 1,4-dichlorobenzene	146	12.512	12.512	(1.001)	39725	20.0000	16.999(Q)	
	95 p-Diethylbenzene	119	12.708	12.708	(1.017)	40651	20.0000	16.040	
	96 n-butylbenzene	91	12.768	12.768	(1.022)	62486	20.0000	16.739	
	97 1,2-dichlorobenzene	146	12.932	12.932	(1.035)	33390	20.0000	16.881	
	98 1,2,4,5-tetramethylbenzene	119	13.499	13.499	(1.080)	60093	20.0000	16.257	
	99 1,2-dibromo-3-chloropropane	75	13.723	13.723	(1.098)	5563	20.0000	17.083	
	100 1,3,5-trichlorobenzene	180	13.729	13.729	(1.099)	22085	20.0000	16.782	
	101 hexachlorobutadiene	225	14.291	14.291	(1.144)	7053	20.0000	17.511	
	102 1,2,4-trichlorobenzene	180	14.323	14.323	(1.146)	14519	20.0000	16.850	
	103 naphthalene	128	14.623	14.623	(1.170)	20915	20.0000	16.868	
	104 1,2,3-trichlorobenzene	180	14.787	14.787	(1.183)	7835	20.0000	17.044	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa105.i
Lab File ID: 0215N04.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Misc Info: wg,ical

Calibration Date: 15-MAR-2016
Calibration Time: 22:56
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

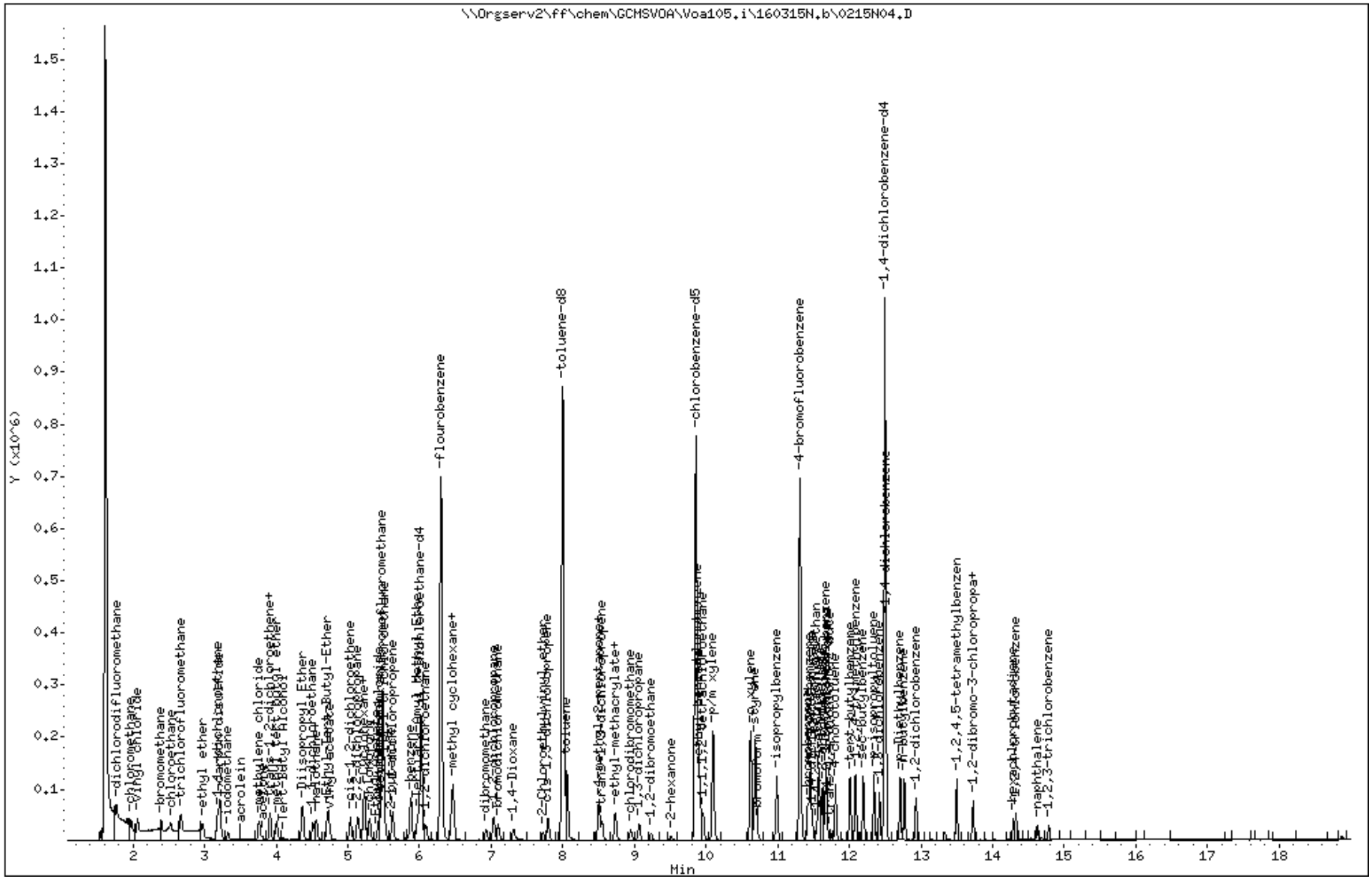
		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	714313	357157	1428626	721033	0.94
66 chlorobenzene-d5	555225	277613	1110450	559418	0.76
93 1,4-dichlorobenze	263012	131506	526024	265792	1.06

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	6.30	5.80	6.80	6.30	-0.00
66 chlorobenzene-d5	9.86	9.36	10.36	9.86	-0.00
93 1,4-dichlorobenze	12.50	12.00	13.00	12.50	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N04.D
Date : 15-MAR-2016 22:33
Client ID:
Sample Info: ICAL L2
Purge Volume: 10.0
Column phase:

Instrument: Voa105.i
Operator: PD
Column diameter: 0.18



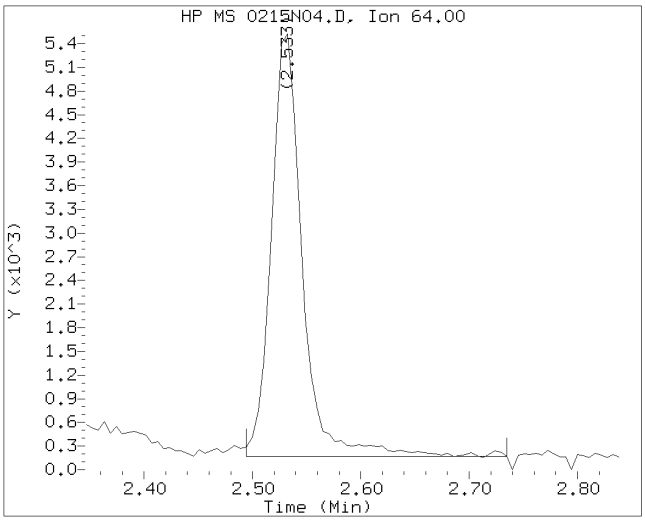
Alpha Analytical Labs

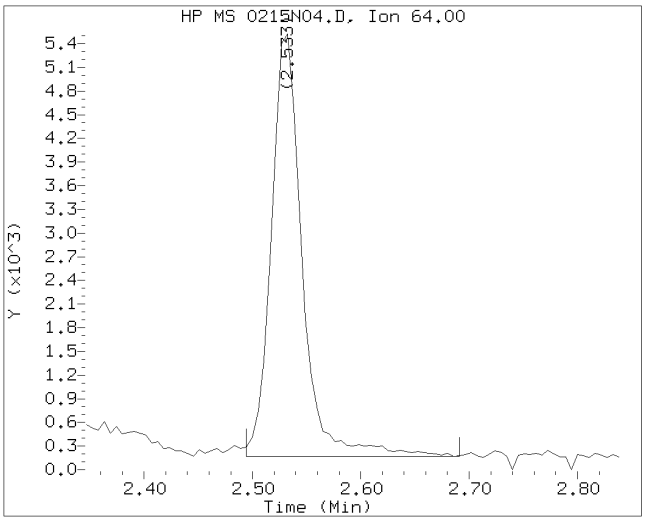
Manual Integration

Sample Info : ICAL L2
wg,ical

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0215N04.D
Injection Date : 15-MAR-2016 22:33
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 5: chloroethane

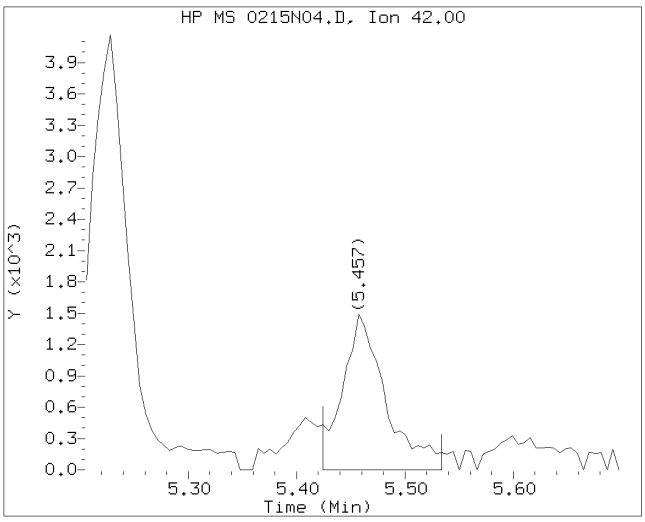


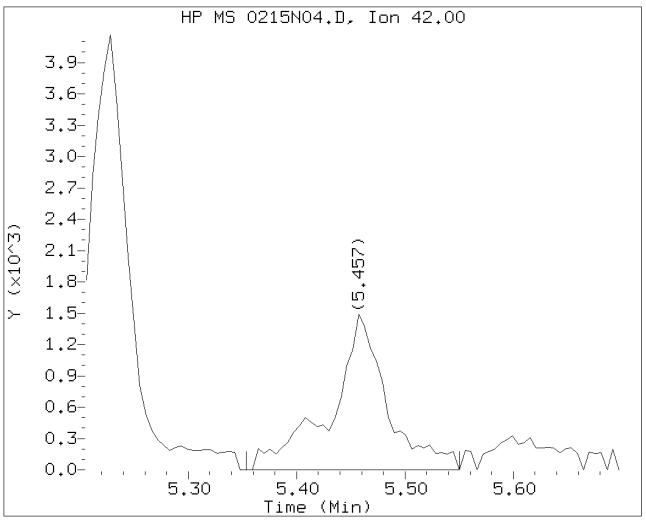


Original Peak Response = 10720 Manual Peak Response = 10649 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 31: tetrahydrofuran





Original Peak Response = 4200 Manual Peak Response = 5402 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

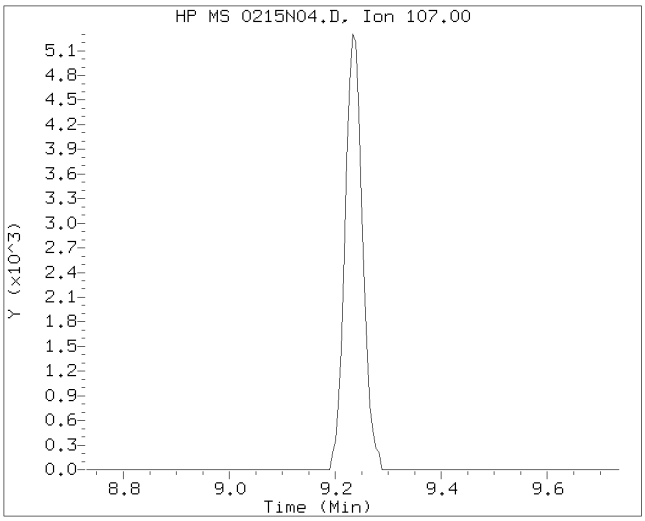
Alpha Analytical Labs

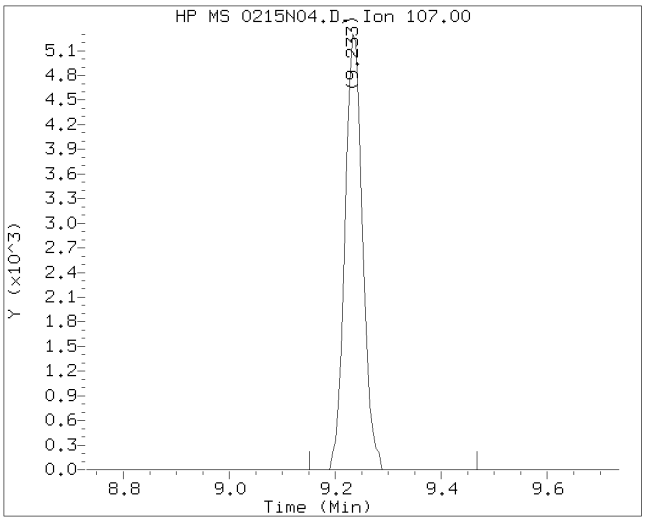
Manual Integration

Sample Info : ICAL L2
wg,ical

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0215N04.D
Injection Date : 15-MAR-2016 22:33
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 64: 1,2-dibromoethane

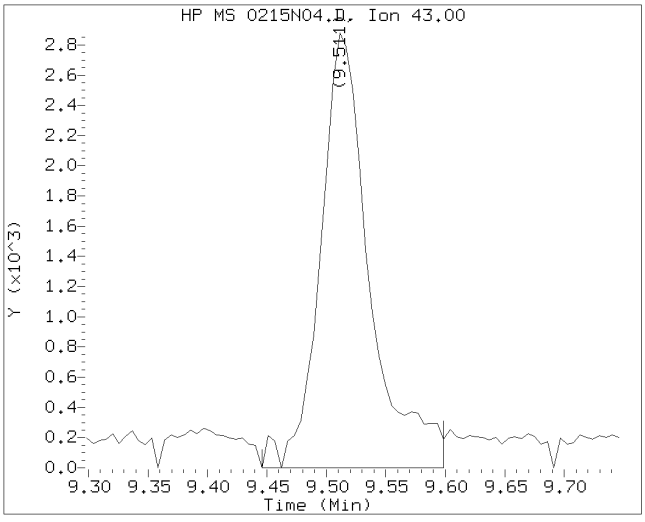


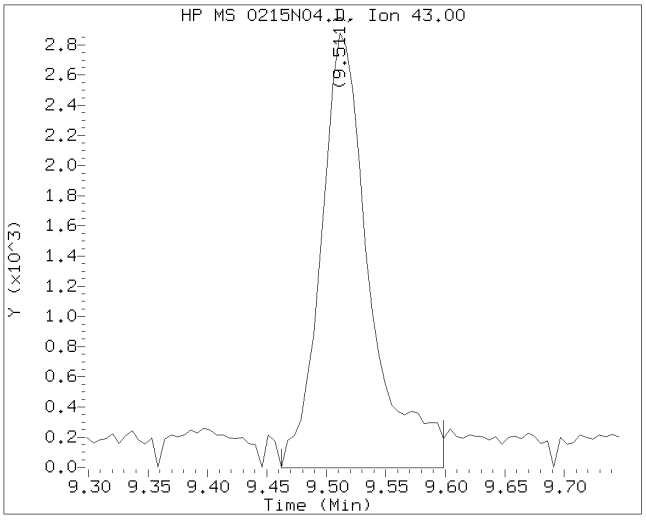


Original Peak Response = 0 Manual Peak Response = 12246 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 65: 2-hexanone





Original Peak Response = 8322 Manual Peak Response = 8220 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

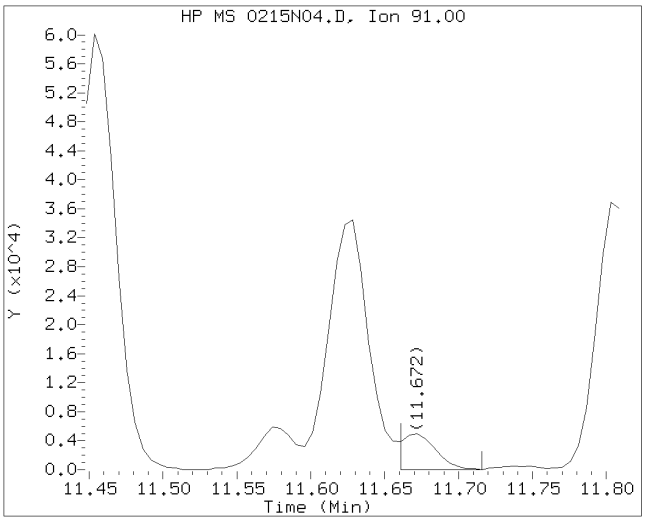
Alpha Analytical Labs

Manual Integration

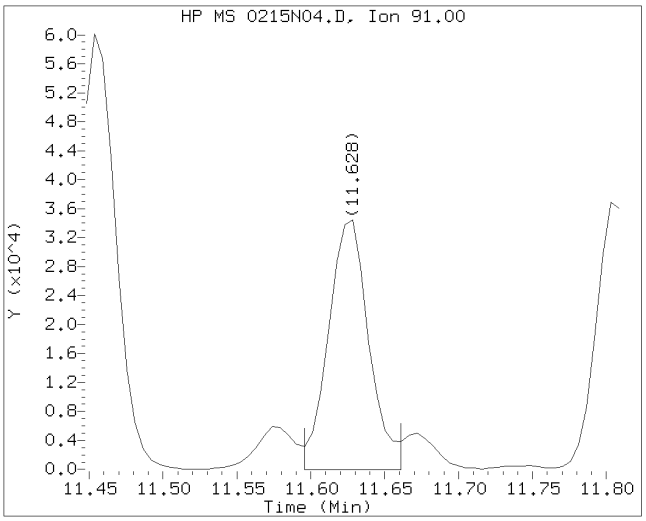
Sample Info : ICAL L2
wg,ical

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0215N04.D
Injection Date : 15-MAR-2016 22:33
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_2

Compound # 82: 2-chlorotoluene



Original Peak Response = 8105



Manual Peak Response = 66766 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - VOA105

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N05.D
Lab Smp Id:
Inj Date : 15-MAR-2016 22:56
Operator : PD Inst ID: Voa105.i
Smp Info : ICAL L3
Misc Info : wg,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Meth Date : 16-Mar-2016 12:59 Voa105.i Quant Type: ISTD
Cal Date : 15-MAR-2016 22:33 Cal File: 0215N04.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	1.774	1.774	(0.281)	126592	100.000	107.805	
2	chloromethane	50	1.976	1.976	(0.314)	99105	100.000	95.042	
3	vinyl chloride	62	2.063	2.063	(0.327)	132270	100.000	110.912(Q)	
4	bromomethane	94	2.396	2.396	(0.380)	42540	100.000	79.516	
5	chloroethane	64	2.527	2.527	(0.401)	56387	100.000	110.185	
6	trichlorofluoromethane	101	2.669	2.669	(0.423)	174558	100.000	110.646	
7	ethyl ether	74	2.974	2.974	(0.472)	56046	100.000	106.319	
8	1,1,-dichloroethene	96	3.182	3.182	(0.505)	107757	100.000	105.155	
9	carbon disulfide	76	3.209	3.209	(0.509)	328113	100.000	104.783	
10	freon-113	101	3.220	3.220	(0.511)	117671	100.000	105.998	
186	iodomethane	142	3.329	3.329	(0.528)	111496	100.000	70.602	
12	acrolein	56	3.520	3.520	(0.559)	10083	100.000	95.273(QM)	M1
11	methylene chloride	84	3.760	3.760	(0.597)	108406	100.000	105.923	
13	acetone	43	3.809	3.809	(0.604)	20225	100.000	93.413	
14	trans-1,2-dichloroethene	96	3.913	3.913	(0.621)	120481	100.000	106.016	
15	Methyl Acetate	43	3.918	3.918	(0.622)	41808	100.000	92.195	
16	methyl tert butyl ether	73	4.005	4.005	(0.636)	243943	100.000	105.494	
17	Tert-Butyl Alcohol	59	4.104	4.104	(0.651)	22289	500.000	510.071	
18	Diisopropyl Ether	45	4.366	4.366	(0.693)	415357	100.000	106.946	
19	1,1-dichloroethane	63	4.513	4.513	(0.716)	234720	100.000	107.121	
20	halothane	117	4.557	4.557	(0.723)	94369	100.000	104.318	
21	acrylonitrile	53	4.567	4.567	(0.725)	25439	100.000	105.134	
22	Ethyl-Tert-Butyl-Ether	59	4.720	4.720	(0.749)	336909	100.000	105.935	
23	vinyl acetate	43	4.742	4.742	(0.752)	184258	100.000	103.912	
24	cis-1,2-dichloroethene	96	5.037	5.037	(0.799)	131606	100.000	106.254	
25	2,2-dichloropropane	77	5.140	5.140	(0.816)	194333	100.000	104.960	
26	Cyclohexane	56	5.222	5.222	(0.829)	239315	100.000	105.452	
27	bromochloromethane	128	5.233	5.233	(0.830)	57058	100.000	105.260	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	28 chloroform	83	5.299	5.299	(0.841)	214359	100.000	105.363	
	29 Ethyl Acetate	43	5.408	5.408	(0.858)	69678	100.000	105.275	
	30 carbontetrachloride	117	5.435	5.435	(0.862)	178688	100.000	103.768	
$	32 dibromofluoromethane	113	5.484	5.484	(0.870)	185979	100.000	99.905	
	31 tetrahydrofuran	42	5.457	5.457	(0.866)	22903	100.000	100.289(M)	M1
	33 1,1,1-trichloroethane	97	5.506	5.506	(0.874)	201308	100.000	105.704	
	34 2-butanone	43	5.604	5.604	(0.889)	30966	100.000	98.347	
	35 1,1-dichloropropene	75	5.626	5.626	(0.893)	173314	100.000	106.341	
	36 benzene	78	5.877	5.877	(0.932)	494539	100.000	105.223	
	37 Tertiary-Amyl Methyl Ether	73	5.975	5.975	(0.948)	263184	100.000	104.321	
$	38 1,2-dichloroethane-d4	65	6.024	6.024	(0.956)	194449	100.000	98.779	
	39 1,2-dichloroethane	62	6.090	6.090	(0.966)	150477	100.000	106.941	
*	41 flourobenzene	96	6.303	6.303	(1.000)	714313	100.000		
	42 methyl cyclohexane	83	6.455	6.455	(1.024)	210686	100.000	104.262	
	43 trichloroethene	95	6.472	6.472	(1.027)	133048	100.000	105.657	
	45 dibromomethane	93	6.930	6.930	(1.100)	61354	100.000	106.350	
	46 1,2-dichloropropane	63	7.034	7.034	(1.116)	124113	100.000	106.115	
	47 bromodichloromethane	83	7.099	7.099	(1.126)	154226	100.000	104.636	
	49 1,4-Dioxane	88	7.312	7.312	(1.160)	26313	5000.00	4866.276	
	51 2-Chloroethylvinyl ether	63	7.721	7.721	(1.225)	55366	100.000	106.686(M)	M1
	52 cis-1,3-dichloropropene	75	7.792	7.792	(1.236)	183682	100.000	105.389	
$	53 toluene-d8	98	8.000	8.000	(0.811)	698039	100.000	100.852	
	54 toluene	92	8.060	8.060	(0.817)	346811	100.000	102.215	
	56 4-methyl-2-pentanone	58	8.502	8.502	(1.349)	23945	100.000	105.268	
	55 tetrachloroethene	166	8.502	8.502	(0.862)	138044	100.000	106.723	
	57 trans-1,3-dichloropropene	75	8.551	8.551	(0.867)	149271	100.000	105.988	
	59 ethyl-methacrylate	69	8.725	8.725	(0.885)	107131	100.000	106.163	
	60 1,1,2-trichloroethane	83	8.736	8.736	(0.886)	67869	100.000	108.321	
	61 chlorodibromomethane	129	8.949	8.949	(0.908)	98625	100.000	91.504	
	62 1,3-dichloropropane	76	9.064	9.064	(0.919)	146228	100.000	108.092	
	64 1,2-dibromoethane	107	9.233	9.233	(0.936)	79074	100.000	106.362	
	65 2-hexanone	43	9.511	9.511	(0.965)	45134	100.000	104.078	
*	66 chlorobenzene-d5	117	9.860	9.860	(1.000)	555225	100.000		
	67 chlorobenzene	112	9.882	9.882	(1.002)	352204	100.000	107.373	
	68 ethyl benzene	91	9.909	9.909	(1.005)	610631	100.000	105.835	
	69 1,1,1,2-tetrachloroethane	131	9.958	9.958	(1.010)	117109	100.000	105.330	
	70 p/m xylene	106	10.095	10.095	(1.024)	478070	200.000	217.474	
	71 o xylene	106	10.624	10.624	(1.077)	451195	200.000	217.343	
	72 styrene	104	10.684	10.684	(1.084)	728940	200.000	217.994	
	73 bromoform	173	10.717	10.717	(0.858)	47213	100.000	87.822	
	74 isopropylbenzene	105	10.990	10.990	(0.879)	599740	100.000	106.856	
$	75 4-bromofluorobenzene	95	11.312	11.312	(0.905)	273974	100.000	100.629	
	76 bromobenzene	156	11.421	11.421	(0.914)	131521	100.000	106.302	
	77 n-propylbenzene	91	11.453	11.453	(0.917)	669253	100.000	107.080	
	78 1,4-dichloro-2-butane	55	11.486	11.486	(0.919)	144621	100.000	107.929	
	79 1,1,2,2,-tetrachloroethane	83	11.546	11.546	(0.924)	78805	100.000	106.123	
	80 4-ethyltoluene	105	11.573	11.573	(0.926)	602293	100.000	107.804	
	82 2-chlorotoluene	91	11.623	11.623	(0.930)	409089	100.000	105.905(H)	
	83 1,3,5-trimethybenzene	105	11.672	11.672	(0.934)	472729	100.000	107.151	
	84 1,2,3-trichloropropane	75	11.688	11.688	(0.935)	70222	100.000	109.125	
	85 trans-1,4-dichloro-2-butene	53	11.737	11.737	(0.939)	23945	100.000	100.084(Q)	
	87 4-chorotoluene	91	11.803	11.803	(0.945)	413274	100.000	106.400	
	88 tert-butylbenzene	119	12.010	12.010	(0.961)	400225	100.000	106.216	
	89 1,2,4-trimethylbenzene	105	12.086	12.086	(0.967)	467300	100.000	107.123	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
	90 sec-butylbenzene	105	12.195	12.195	(0.976)	555923	100.000	106.802	
	91 p-isopropyltoluene	119	12.343	12.343	(0.988)	464447	100.000	106.759	
	92 1,3-dichlorobenzene	146	12.419	12.419	(0.994)	248611	100.000	106.083	
*	93 1,4-dichlorobenzene-d4	152	12.496	12.496	(1.000)	263012	100.000		
	94 1,4-dichlorobenzene	146	12.512	12.512	(1.001)	245394	100.000	106.123	
	95 p-Diethylbenzene	119	12.708	12.708	(1.017)	267827	100.000	106.795	
	96 n-butylbenzene	91	12.768	12.768	(1.022)	392049	100.000	106.136	
	97 1,2-dichlorobenzene	146	12.932	12.932	(1.035)	207210	100.000	105.870	
	98 1,2,4,5-tetramethylbenzene	119	13.494	13.494	(1.080)	389057	100.000	106.369	
	99 1,2-dibromo-3-chloropropane	75	13.723	13.723	(1.098)	34610	100.000	107.407	
	100 1,3,5-trichlorobenzene	180	13.729	13.729	(1.099)	138021	100.000	105.990	
	101 hexachlorobutadiene	225	14.291	14.291	(1.144)	42306	100.000	106.151	
	102 1,2,4-trichlorobenzene	180	14.323	14.323	(1.146)	89081	100.000	104.478	
	103 naphthalene	128	14.624	14.624	(1.170)	127375	100.000	103.815	
	104 1,2,3-trichlorobenzene	180	14.787	14.787	(1.183)	48040	100.000	105.615	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa105.i
Lab File ID: 0215N05.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Misc Info: wg,ical

Calibration Date: 15-MAR-2016
Calibration Time: 22:56
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

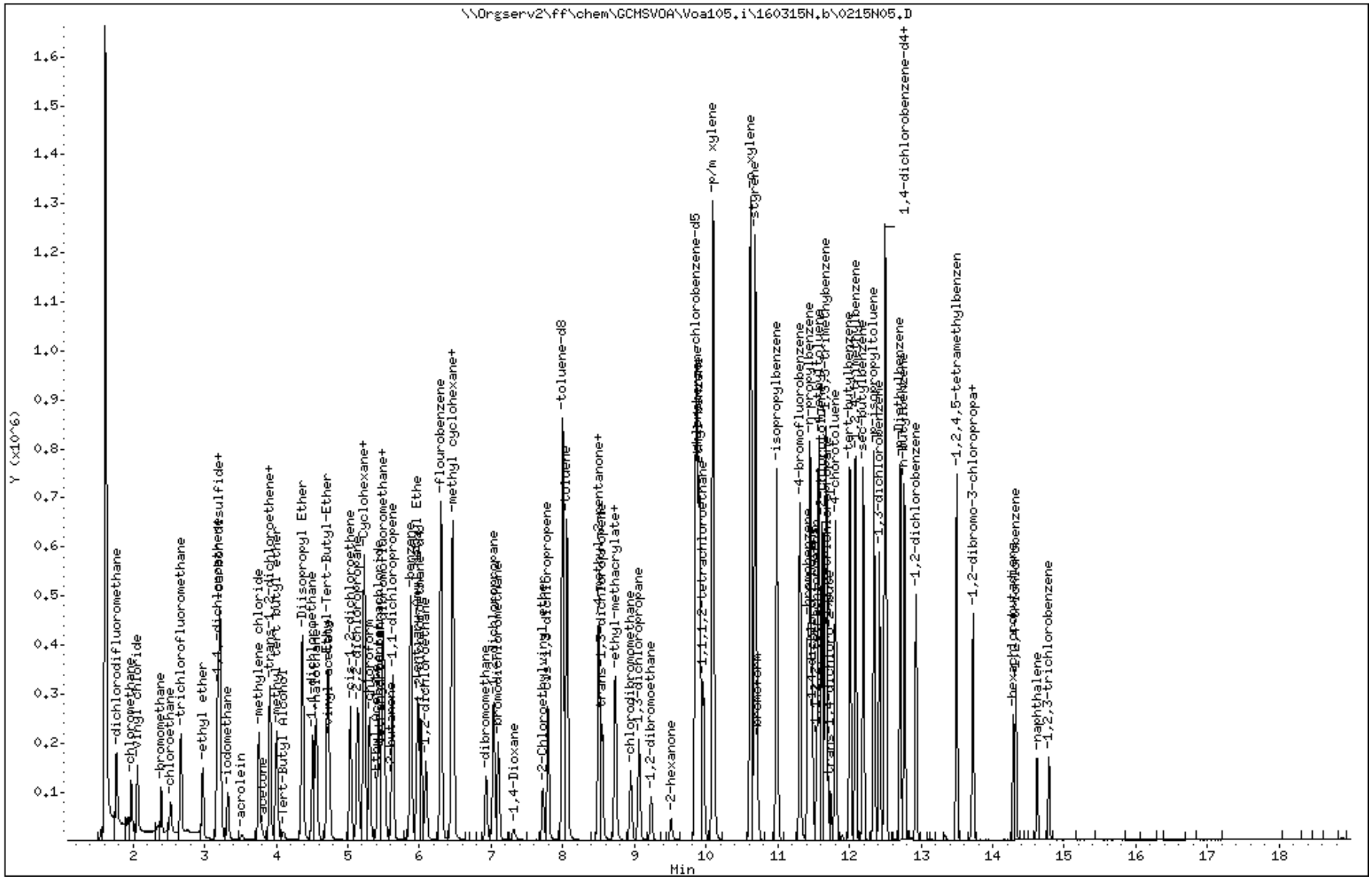
		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	714313	357157	1428626	714313	0.00
66 chlorobenzene-d5	555225	277613	1110450	555225	0.00
93 1,4-dichlorobenze	263012	131506	526024	263012	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	6.30	5.80	6.80	6.30	0.00
66 chlorobenzene-d5	9.86	9.36	10.36	9.86	0.00
93 1,4-dichlorobenze	12.50	12.00	13.00	12.50	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N05.D
Date : 15-MAR-2016 22:56
Client ID:
Sample Info: ICAL L3
Purge Volume: 10.0
Column phase:

Instrument: Voa105.i
Operator: PD
Column diameter: 0.18



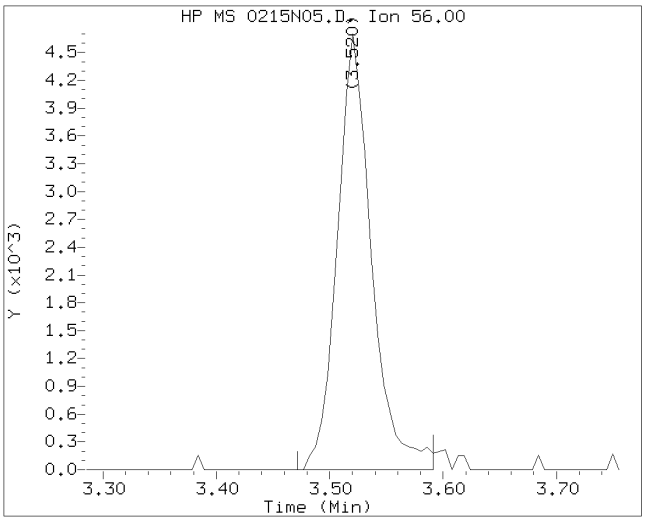
Alpha Analytical Labs

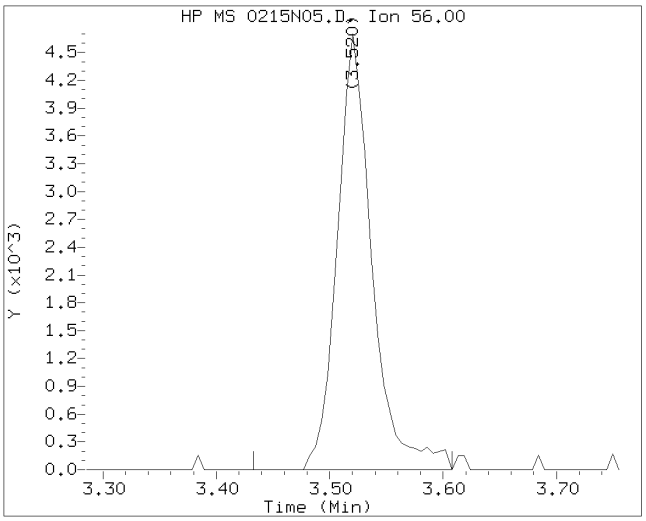
Manual Integration

Sample Info : ICAL L3
wg,ical

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0215N05.D
Injection Date : 15-MAR-2016 22:56
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_3

Compound # 12: acrolein

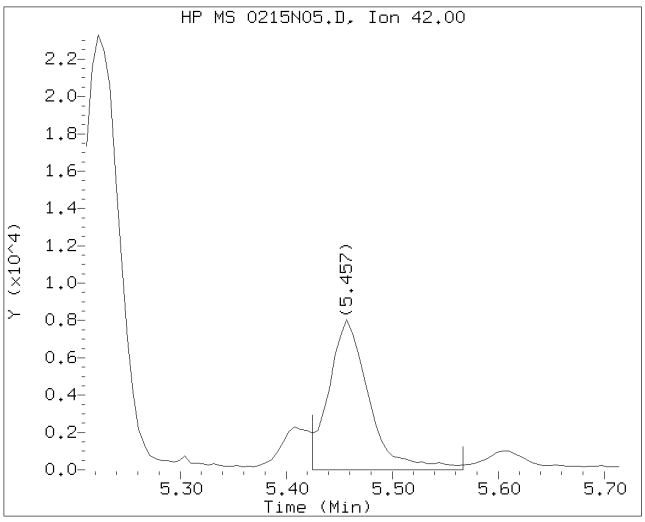


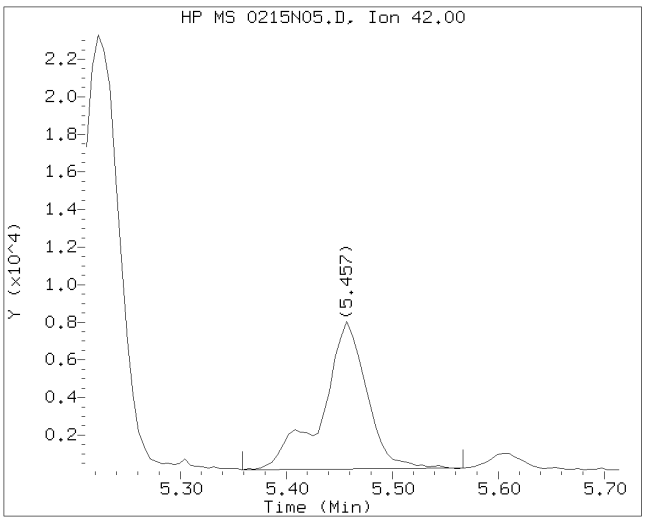


Original Peak Response = 9947 Manual Peak Response = 10083 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 31: tetrahydrofuran





Original Peak Response = 21362 Manual Peak Response = 22903 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

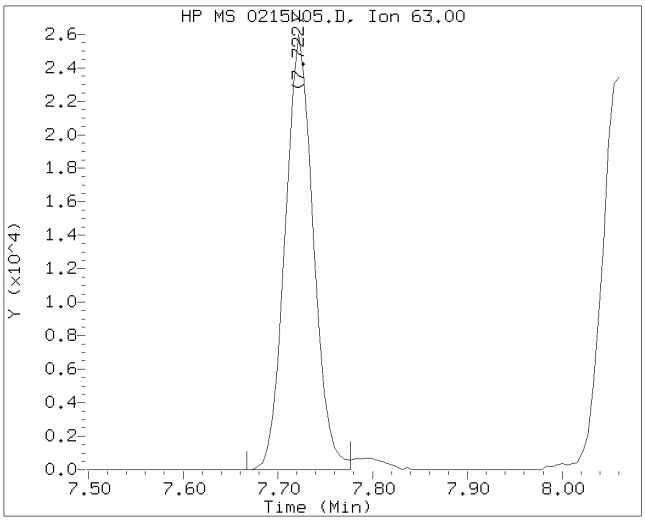
Alpha Analytical Labs

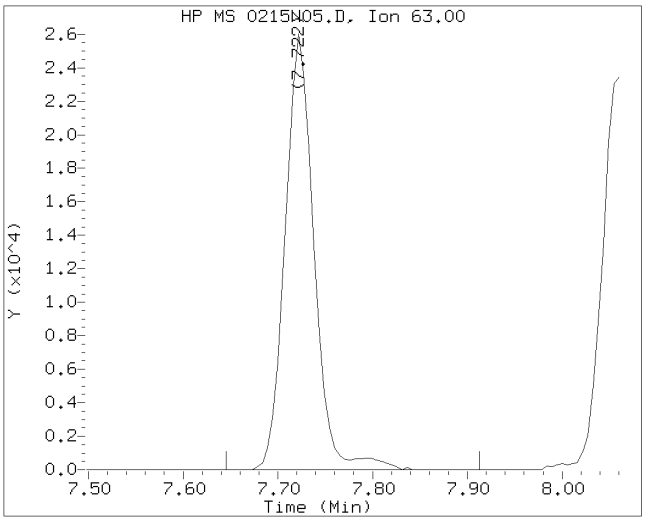
Manual Integration

Sample Info : ICAL L3
wg,ical

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0215N05.D
Injection Date : 15-MAR-2016 22:56
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_3

Compound # 51: 2-Chloroethylvinyl ether





Original Peak Response = 53794 Manual Peak Response = 55366 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - VOA105

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N06.D
Lab Smp Id:
Inj Date : 15-MAR-2016 23:19
Operator : PD Inst ID: Voa105.i
Smp Info : ICAL L4
Misc Info : wg,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Meth Date : 16-Mar-2016 12:59 Voa105.i Quant Type: ISTD
Cal Date : 15-MAR-2016 22:56 Cal File: 0215N05.D
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	1.774	1.774	(0.282)	386581	300.000	332.066	
2	chloromethane	50	1.976	1.976	(0.314)	319362	300.000	308.925	
3	vinyl chloride	62	2.063	2.063	(0.327)	402595	300.000	340.517	
4	bromomethane	94	2.396	2.396	(0.380)	140874	300.000	254.538	
5	chloroethane	64	2.527	2.527	(0.401)	170999	300.000	337.044	
6	trichlorofluoromethane	101	2.669	2.669	(0.423)	531784	300.000	340.003	
7	ethyl ether	74	2.974	2.974	(0.472)	167272	300.000	320.067	
8	1,1,-dichloroethene	96	3.182	3.182	(0.505)	330200	300.000	325.022	
9	carbon disulfide	76	3.209	3.209	(0.509)	996671	300.000	321.049	
10	freon-113	101	3.220	3.220	(0.511)	361003	300.000	328.014	
186	iodomethane	142	3.329	3.329	(0.528)	421843	300.000	250.691	
12	acrolein	56	3.520	3.520	(0.559)	30322	300.000	288.994	
11	methylene chloride	84	3.760	3.760	(0.597)	326404	300.000	321.694	
13	acetone	43	3.804	3.804	(0.604)	55494	300.000	299.279	
14	trans-1,2-dichloroethene	96	3.913	3.913	(0.621)	364496	300.000	323.517	
15	Methyl Acetate	43	3.918	3.918	(0.622)	130833	300.000	291.016	
16	methyl tert butyl ether	73	4.006	4.006	(0.636)	739751	300.000	322.682	
17	Tert-Butyl Alcohol	59	4.098	4.098	(0.650)	69028	1500.00	1593.365	
18	Diisopropyl Ether	45	4.366	4.366	(0.693)	1244127	300.000	323.115	
19	1,1-dichloroethane	63	4.513	4.513	(0.716)	709808	300.000	326.749	
20	halothane	117	4.557	4.557	(0.723)	290018	300.000	323.376	
21	acrylonitrile	53	4.568	4.568	(0.725)	74929	300.000	312.352	
22	Ethyl-Tert-Butyl-Ether	59	4.720	4.720	(0.749)	1018196	300.000	322.930	
23	vinyl acetate	43	4.742	4.742	(0.752)	496751	300.000	282.573	
24	cis-1,2-dichloroethene	96	5.037	5.037	(0.799)	395085	300.000	321.746	
25	2,2-dichloropropane	77	5.140	5.140	(0.816)	592495	300.000	322.784	
26	Cyclohexane	56	5.228	5.228	(0.829)	728297	300.000	323.702	
27	bromochloromethane	128	5.233	5.233	(0.830)	174654	300.000	324.995	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	28 chloroform	83	5.304	5.304	(0.842)	652280	300.000	323.395	
	29 Ethyl Acetate	43	5.408	5.408	(0.858)	207812	300.000	316.702	
	30 carbontetrachloride	117	5.435	5.435	(0.862)	557059	300.000	326.304	
$	32 dibromofluoromethane	113	5.484	5.484	(0.870)	185244	100.000	100.373	
	31 tetrahydrofuran	42	5.457	5.457	(0.866)	68625	300.000	303.105(M)	M1
	33 1,1,1-trichloroethane	97	5.506	5.506	(0.874)	615014	300.000	325.736	
	34 2-butanone	43	5.604	5.604	(0.889)	87827	300.000	281.355	
	35 1,1-dichloropropene	75	5.626	5.626	(0.893)	527158	300.000	326.255	
	36 benzene	78	5.877	5.877	(0.932)	1481437	300.000	317.938	
	37 Tertiary-Amyl Methyl Ether	73	5.975	5.975	(0.948)	800544	300.000	320.073	
$	38 1,2-dichloroethane-d4	65	6.024	6.024	(0.956)	194337	100.000	99.579	
	39 1,2-dichloroethane	62	6.090	6.090	(0.966)	445548	300.000	319.388	
*	41 flourobenzene	96	6.303	6.303	(1.000)	708172	100.000		
	42 methyl cyclohexane	83	6.455	6.455	(1.024)	649137	300.000	324.024	
	43 trichloroethene	95	6.472	6.472	(1.027)	403162	300.000	322.940	
	45 dibromomethane	93	6.930	6.930	(1.100)	183967	300.000	321.653	
	46 1,2-dichloropropane	63	7.034	7.034	(1.116)	374750	300.000	323.187	
	47 bromodichloromethane	83	7.099	7.099	(1.126)	475577	300.000	325.459	
	49 1,4-Dioxane	88	7.312	7.312	(1.160)	34109	6000.00	6362.755	
	51 2-Chloroethylvinyl ether	63	7.721	7.721	(1.225)	168068	300.000	326.664(M)	M1
	52 cis-1,3-dichloropropene	75	7.792	7.792	(1.236)	565113	300.000	327.052	
$	53 toluene-d8	98	8.000	8.000	(0.811)	694773	100.000	100.192	
	54 toluene	92	8.060	8.060	(0.817)	993083	300.000	292.145	
	56 4-methyl-2-pentanone	58	8.502	8.502	(1.349)	73584	300.000	326.298	
	55 tetrachloroethene	166	8.502	8.502	(0.862)	422829	300.000	326.285	
	57 trans-1,3-dichloropropene	75	8.545	8.545	(0.867)	463429	300.000	328.440	
	59 ethyl-methacrylate	69	8.725	8.725	(0.885)	330823	300.000	327.224	
	60 1,1,2-trichloroethane	83	8.736	8.736	(0.886)	202972	300.000	323.347	
	61 chlorodibromomethane	129	8.949	8.949	(0.908)	316100	300.000	284.315	
	62 1,3-dichloropropane	76	9.064	9.064	(0.919)	438815	300.000	323.768	
	64 1,2-dibromoethane	107	9.233	9.233	(0.936)	242411	300.000	325.458	
	65 2-hexanone	43	9.511	9.511	(0.965)	131359	300.000	302.345	
*	66 chlorobenzene-d5	117	9.860	9.860	(1.000)	556263	100.000		
	67 chlorobenzene	112	9.882	9.882	(1.002)	1065814	300.000	324.318	
	68 ethyl benzene	91	9.909	9.909	(1.005)	1864542	300.000	322.561	
	69 1,1,1,2-tetrachloroethane	131	9.964	9.964	(1.011)	363052	300.000	325.927	
	70 p/m xylene	106	10.095	10.095	(1.024)	1483632	600.000	673.647	
	71 o xylene	106	10.624	10.624	(1.077)	1397615	600.000	671.983	
	72 styrene	104	10.690	10.690	(1.084)	2264061	600.000	675.818	
	73 bromoform	173	10.717	10.717	(0.858)	156769	300.000	279.860	
	74 isopropylbenzene	105	10.990	10.990	(0.879)	1860387	300.000	328.484	
$	75 4-bromofluorobenzene	95	11.312	11.312	(0.905)	274542	100.000	99.931	
	76 bromobenzene	156	11.421	11.421	(0.914)	401508	300.000	321.602	
	77 n-propylbenzene	91	11.453	11.453	(0.917)	2069506	300.000	328.144	
	78 1,4-dichloro-2-butane	55	11.486	11.486	(0.919)	436312	300.000	322.686	
	79 1,1,2,2,-tetrachloroethane	83	11.546	11.546	(0.924)	239533	300.000	319.667	
	80 4-ethyltoluene	105	11.579	11.579	(0.927)	1864313	300.000	330.691	
	82 2-chlorotoluene	91	11.623	11.623	(0.930)	1251410	300.000	321.052(H)	
	83 1,3,5-trimethybenzene	105	11.672	11.672	(0.934)	1467598	300.000	329.663	
	84 1,2,3-trichloropropane	75	11.688	11.688	(0.935)	211628	300.000	325.914	
	85 trans-1,4-dichloro-2-butene	53	11.737	11.737	(0.939)	74958	300.000	310.488	
	87 4-chorotoluene	91	11.808	11.808	(0.945)	1261804	300.000	321.940	
	88 tert-butylbenzene	119	12.010	12.010	(0.961)	1236647	300.000	325.244	
	89 1,2,4-trimethylbenzene	105	12.086	12.086	(0.967)	1446958	300.000	328.714	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
	90 sec-butylbenzene	105	12.196	12.196	(0.976)	1719626	300.000	327.397	
	91 p-isopropyltoluene	119	12.343	12.343	(0.988)	1449802	300.000	330.260	
	92 1,3-dichlorobenzene	146	12.419	12.419	(0.994)	763338	300.000	322.791	
*	93 1,4-dichlorobenzene-d4	152	12.496	12.496	(1.000)	265399	100.000		
	94 1,4-dichlorobenzene	146	12.512	12.512	(1.001)	758056	300.000	324.882	
	95 p-Diethylbenzene	119	12.708	12.708	(1.017)	833749	300.000	329.466	
	96 n-butylbenzene	91	12.768	12.768	(1.022)	1209610	300.000	324.522	
	97 1,2-dichlorobenzene	146	12.932	12.932	(1.035)	635128	300.000	321.589	
	98 1,2,4,5-tetramethylbenzene	119	13.494	13.494	(1.080)	1217747	300.000	329.941	
	99 1,2-dibromo-3-chloropropane	75	13.723	13.723	(1.098)	105263	300.000	323.730	
	100 1,3,5-trichlorobenzene	180	14.729	14.729	(1.099)	428291	300.000	325.939	
	101 hexachlorobutadiene	225	14.291	14.291	(1.144)	130459	300.000	324.394	
	102 1,2,4-trichlorobenzene	180	14.324	14.324	(1.146)	278458	300.000	323.651	
	103 naphthalene	128	14.624	14.624	(1.170)	391768	300.000	316.432	
	104 1,2,3-trichlorobenzene	180	14.787	14.787	(1.183)	144718	300.000	315.298	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa105.i
Lab File ID: 0215N06.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Misc Info: wg,ical

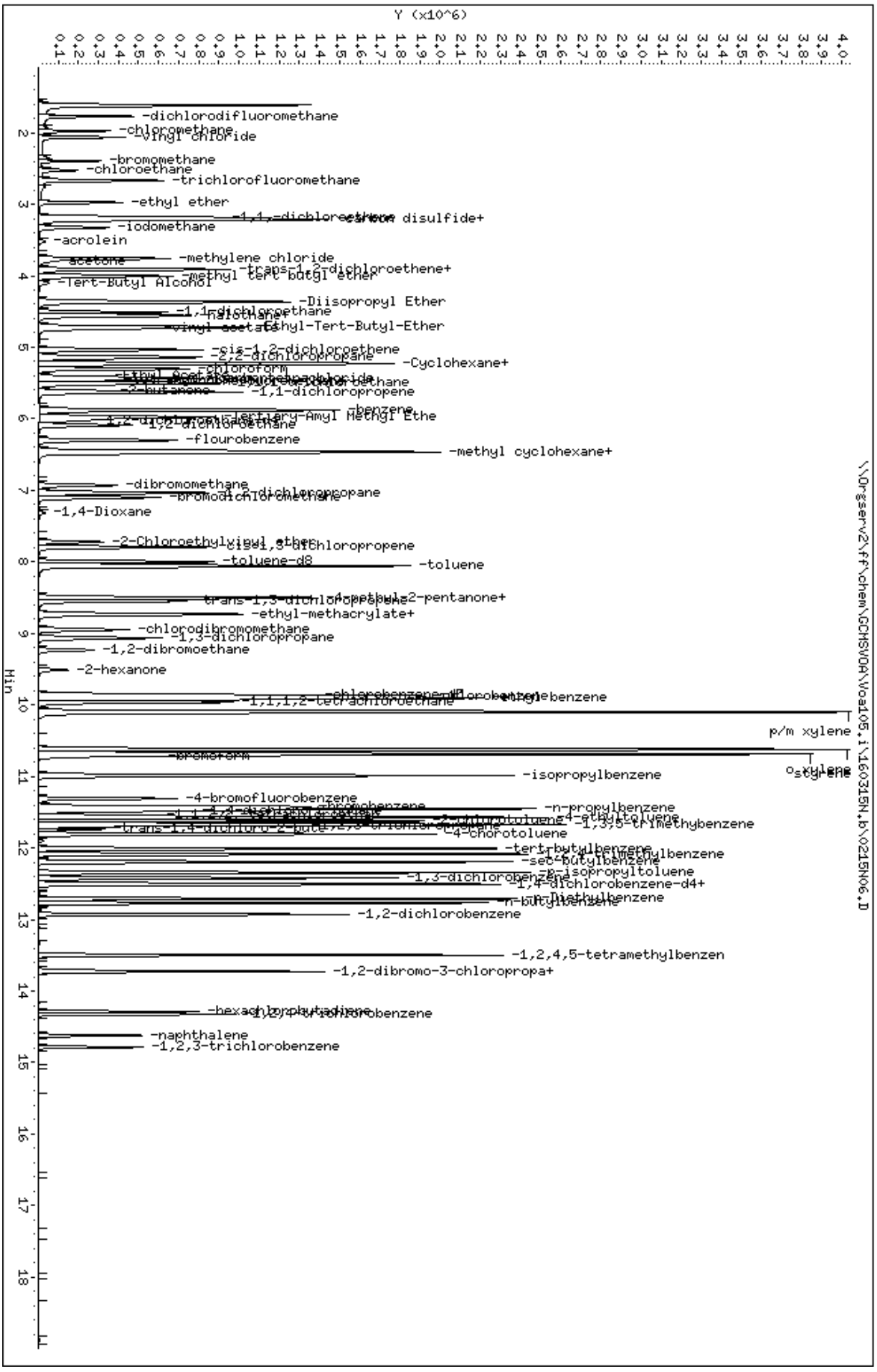
Calibration Date: 15-MAR-2016
Calibration Time: 22:56
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	714313	357157	1428626	708172	-0.86
66 chlorobenzene-d5	555225	277613	1110450	556263	0.19
93 1,4-dichlorobenze	263012	131506	526024	265399	0.91

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	6.30	5.80	6.80	6.30	0.00
66 chlorobenzene-d5	9.86	9.36	10.36	9.86	0.00
93 1,4-dichlorobenze	12.50	12.00	13.00	12.50	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Data File: \\Orgserv2\ff\chem\GCMSWOA\Woa105,i\160315N,b\0215N06,D
Date : 15-MAR-2016 23:19
Client ID:
Sample Info: ICAL L4
Purge Volume: 10.0
Column phase:

Instrument: Woa105,i
Operator: PD
Column diameter: 0.18

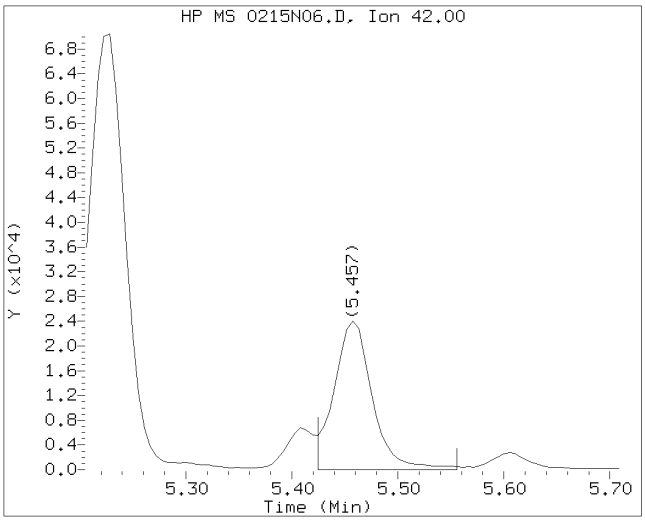
Alpha Analytical Labs

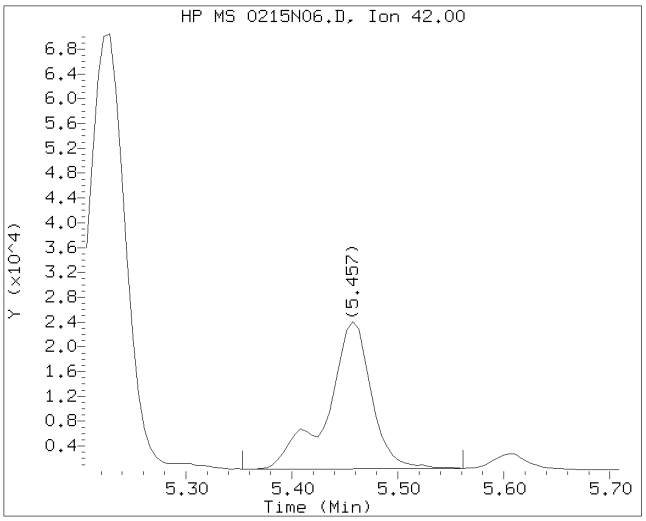
Manual Integration

Sample Info : ICAL L4
wg,ical

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0215N06.D
Injection Date : 15-MAR-2016 23:19
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_4

Compound # 31: tetrahydrofuran

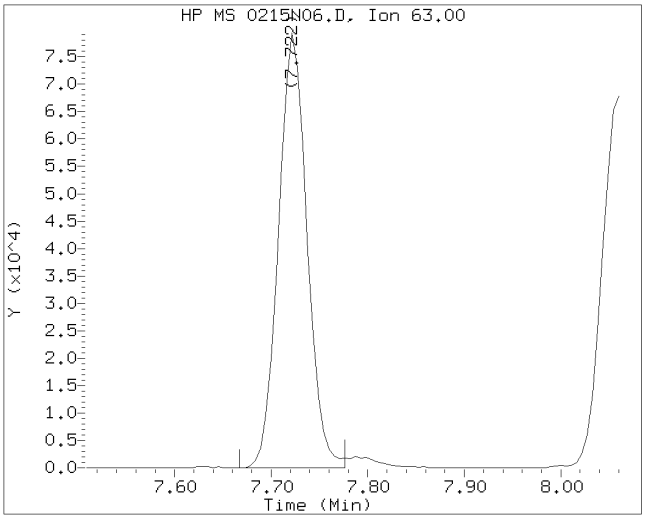


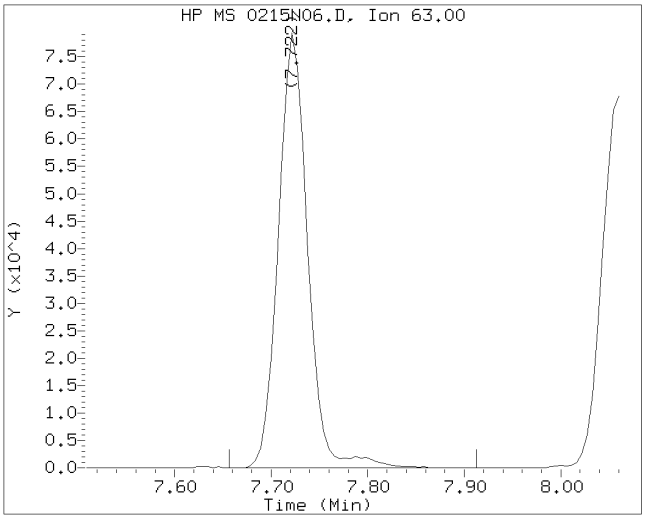


Original Peak Response = 60998 Manual Peak Response = 68625 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 51: 2-Chloroethylvinyl ether





Original Peak Response = 163686 Manual Peak Response = 168068 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - VOA105

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N07.D
Lab Smp Id:
Inj Date : 15-MAR-2016 23:42
Operator : PD Inst ID: Voa105.i
Smp Info : ICAL L6
Misc Info : wg,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Meth Date : 16-Mar-2016 12:59 Voa105.i Quant Type: ISTD
Cal Date : 15-MAR-2016 23:19 Cal File: 0215N06.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	1.774	1.774	(0.281)	1038181	800.000	894.795	
2	chloromethane	50	1.976	1.976	(0.314)	910720	800.000	883.936	
3	vinyl chloride	62	2.063	2.063	(0.327)	1092192	800.000	926.905	
4	bromomethane	94	2.401	2.401	(0.381)	433957	800.000	776.857	
5	chloroethane	64	2.527	2.527	(0.401)	455029	800.000	899.909	
6	trichlorofluoromethane	101	2.669	2.669	(0.423)	1394852	800.000	894.833	
7	ethyl ether	74	2.980	2.980	(0.473)	445446	800.000	855.221	
8	1,1,-dichloroethene	96	3.182	3.182	(0.505)	895122	800.000	884.064	
9	carbon disulfide	76	3.209	3.209	(0.509)	2697899	800.000	871.990	
10	freon-113	101	3.220	3.220	(0.511)	982023	800.000	895.301	
186	iodomethane	142	3.329	3.329	(0.528)	1366672	800.000	799.944	
12	acrolein	56	3.520	3.520	(0.559)	83284	800.000	796.450	
11	methylene chloride	84	3.760	3.760	(0.597)	882010	800.000	872.222	
13	acetone	43	3.804	3.804	(0.604)	139805	800.000	791.735	
14	trans-1,2-dichloroethene	96	3.913	3.913	(0.621)	982179	800.000	874.705	
15	Methyl Acetate	43	3.918	3.918	(0.622)	357470	800.000	797.821	
16	methyl tert butyl ether	73	4.005	4.005	(0.636)	1980578	800.000	866.857	
17	Tert-Butyl Alcohol	59	4.104	4.104	(0.651)	186137	4000.00	4311.104	
18	Diisopropyl Ether	45	4.366	4.366	(0.693)	3314777	800.000	863.800	
19	1,1-dichloroethane	63	4.513	4.513	(0.716)	1892756	800.000	874.248	
20	halothane	117	4.562	4.562	(0.724)	796777	800.000	891.426	
21	acrylonitrile	53	4.567	4.567	(0.725)	197931	800.000	827.894	
22	Ethyl-Tert-Butyl-Ether	59	4.720	4.720	(0.749)	2755047	800.000	876.743	
23	vinyl acetate	43	4.748	4.748	(0.753)	1388362	800.000	792.429	
24	cis-1,2-dichloroethene	96	5.037	5.037	(0.799)	1060497	800.000	866.559	
25	2,2-dichloropropane	77	5.140	5.140	(0.816)	1589065	800.000	868.631	
26	Cyclohexane	56	5.228	5.228	(0.829)	1972092	800.000	879.488	
27	bromochloromethane	128	5.233	5.233	(0.830)	476826	800.000	890.276	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	28 chloroform	83	5.304	5.304	(0.842)	1743602	800.000	867.386	
	29 Ethyl Acetate	43	5.408	5.408	(0.858)	551933	800.000	843.981	
	30 carbontetrachloride	117	5.435	5.435	(0.862)	1537124	800.000	903.434	
$	32 dibromofluoromethane	113	5.484	5.484	(0.870)	186772	100.000	101.543	
	31 tetrahydrofuran	42	5.457	5.457	(0.866)	181597	800.000	804.796(M)	M1
	33 1,1,1-trichloroethane	97	5.506	5.506	(0.874)	1661136	800.000	882.779	
	34 2-butanone	43	5.604	5.604	(0.889)	232188	800.000	746.333	
	35 1,1-dichloropropene	75	5.626	5.626	(0.893)	1420879	800.000	882.348	
	36 benzene	78	5.877	5.877	(0.932)	3989771	800.000	859.160	
	37 Tertiary-Amyl Methyl Ether	73	5.975	5.975	(0.948)	2173252	800.000	871.846	
$	38 1,2-dichloroethane-d4	65	6.024	6.024	(0.956)	195451	100.000	100.488	
	39 1,2-dichloroethane	62	6.090	6.090	(0.966)	1182863	800.000	850.794	
*	41 flourobenzene	96	6.303	6.303	(1.000)	705786	100.000		
	42 methyl cyclohexane	83	6.461	6.461	(1.025)	1813656	800.000	908.367	
	43 trichloroethene	95	6.477	6.477	(1.028)	1102838	800.000	886.380	
	45 dibromomethane	93	6.930	6.930	(1.100)	498448	800.000	874.446	
	46 1,2-dichloropropane	63	7.034	7.034	(1.116)	1008307	800.000	872.512	
	47 bromodichloromethane	83	7.099	7.099	(1.126)	1299748	800.000	892.486	
	49 1,4-Dioxane	88	7.312	7.312	(1.160)	44740	8000.00	8374.096	
	51 2-Chloroethylvinyl ether	63	7.721	7.721	(1.225)	451693	800.000	880.899(M)	M1
	52 cis-1,3-dichloropropene	75	7.792	7.792	(1.236)	1530276	800.000	888.622	
$	53 toluene-d8	98	8.000	8.000	(0.811)	689278	100.000	98.511	
	54 toluene	92	8.060	8.060	(0.817)	2644362	800.000	770.961	
	56 4-methyl-2-pentanone	58	8.502	8.502	(1.349)	198476	800.000	883.091	
	55 tetrachloroethene	166	8.502	8.502	(0.862)	1157224	800.000	885.009	
	57 trans-1,3-dichloropropene	75	8.551	8.551	(0.867)	1270555	800.000	892.410	
	59 ethyl-methacrylate	69	8.725	8.725	(0.885)	895110	800.000	877.453	
	60 1,1,2-trichloroethane	83	8.736	8.736	(0.886)	546628	800.000	863.023	
	61 chlorodibromomethane	129	8.949	8.949	(0.908)	885266	800.000	782.332	
	62 1,3-dichloropropane	76	9.064	9.064	(0.919)	1173000	800.000	857.726	
	64 1,2-dibromoethane	107	9.233	9.233	(0.936)	649951	800.000	864.810	
	65 2-hexanone	43	9.511	9.511	(0.965)	350053	800.000	798.500	
*	66 chlorobenzene-d5	117	9.860	9.860	(1.000)	561284	100.000		
	67 chlorobenzene	112	9.882	9.882	(1.002)	2902555	800.000	875.323	
	68 ethyl benzene	91	9.909	9.909	(1.005)	5061015	800.000	867.711	
	69 1,1,1,2-tetrachloroethane	131	9.964	9.964	(1.011)	1005325	800.000	894.449	
	70 p/m xylene	106	10.100	10.100	(1.024)	4028528	1600.00	1812.802	
	71 o xylene	106	10.624	10.624	(1.077)	3780537	1600.00	1801.450	
	72 styrene	104	10.690	10.690	(1.084)	6150643	1600.00	1819.533	
	73 bromoform	173	10.722	10.722	(0.858)	446903	800.000	779.276	
	74 isopropylbenzene	105	10.990	10.990	(0.879)	5094679	800.000	886.803	
$	75 4-bromofluorobenzene	95	11.312	11.312	(0.905)	273401	100.000	98.104	
	76 bromobenzene	156	11.426	11.426	(0.914)	1100791	800.000	869.217	
	77 n-propylbenzene	91	11.453	11.453	(0.917)	5661344	800.000	884.944	
	78 1,4-dichloro-2-butane	55	11.486	11.486	(0.919)	1161256	800.000	846.661	
	79 1,1,2,2,-tetrachloroethane	83	11.546	11.546	(0.924)	649227	800.000	854.137	
	80 4-ethyltoluene	105	11.579	11.579	(0.927)	5112603	800.000	894.015	
	82 2-chlorotoluene	91	11.628	11.628	(0.931)	3440297	800.000	870.104(H)	
	83 1,3,5-trimethybenzene	105	11.672	11.672	(0.934)	4040469	800.000	894.734	
	84 1,2,3-trichloropropane	75	11.688	11.688	(0.935)	566349	800.000	859.830	
	85 trans-1,4-dichloro-2-butene	53	11.737	11.737	(0.939)	212304	800.000	866.930	
	87 4-chorotoluene	91	11.808	11.808	(0.945)	3468789	800.000	872.489	
	88 tert-butylbenzene	119	12.010	12.010	(0.961)	3424340	800.000	887.850	
	89 1,2,4-trimethylbenzene	105	12.086	12.086	(0.967)	3988548	800.000	893.257	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	90 sec-butylbenzene	105	12.195	12.195	(0.976)	4761735	800.000	893.726	
	91 p-isopropyltoluene	119	12.343	12.343	(0.988)	4011326	800.000	900.811	
	92 1,3-dichlorobenzene	146	12.419	12.419	(0.994)	2107398	800.000	878.517	
*	93 1,4-dichlorobenzene-d4	152	12.496	12.496	(1.000)	269216	100.000	(Q)	
	94 1,4-dichlorobenzene	146	12.512	12.512	(1.001)	2070509	800.000	874.784	
	95 p-Diethylbenzene	119	12.714	12.714	(1.017)	2332029	800.000	908.465	
	96 n-butylbenzene	91	12.768	12.768	(1.022)	3372913	800.000	892.079	
	97 1,2-dichlorobenzene	146	12.932	12.932	(1.035)	1754391	800.000	875.719	
	98 1,2,4,5-tetramethylbenzene	119	13.500	13.500	(1.080)	3379162	800.000	902.582	
	99 1,2-dibromo-3-chloropropane	75	13.723	13.723	(1.098)	289510	800.000	877.748	
	100 1,3,5-trichlorobenzene	180	13.729	13.729	(1.099)	1182427	800.000	887.095	
	101 hexachlorobutadiene	225	14.291	14.291	(1.144)	355615	800.000	871.722	
	102 1,2,4-trichlorobenzene	180	14.323	14.323	(1.146)	763125	800.000	874.403	
	103 naphthalene	128	14.618	14.618	(1.170)	1061064	800.000	844.875	
	104 1,2,3-trichlorobenzene	180	14.787	14.787	(1.183)	393034	800.000	844.166	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa105.i
Lab File ID: 0215N07.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Misc Info: wg,ical

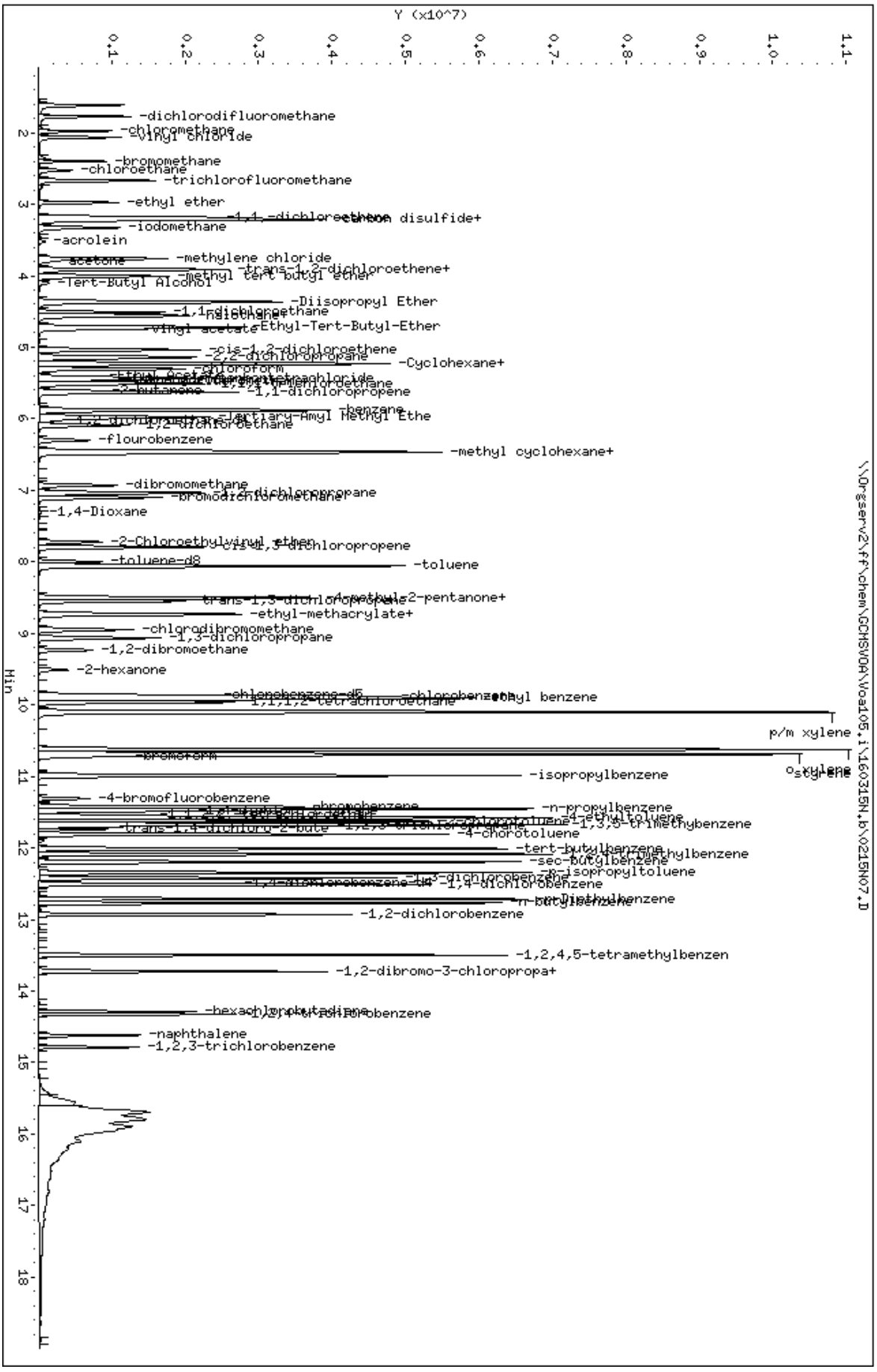
Calibration Date: 15-MAR-2016
Calibration Time: 22:56
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	714313	357157	1428626	705786	-1.19
66 chlorobenzene-d5	555225	277613	1110450	561284	1.09
93 1,4-dichlorobenze	263012	131506	526024	269216	2.36

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	6.30	5.80	6.80	6.30	-0.00
66 chlorobenzene-d5	9.86	9.36	10.36	9.86	-0.00
93 1,4-dichlorobenze	12.50	12.00	13.00	12.50	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.


Y (x10^7)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
Min
2
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10
11
12
13
14
15
16
17
18
-dichlorodifluoromethane
-chloromethane
-vinyl chloride
-bromomethane
-chloroethane
-trichlorofluoromethane
-ethyl ether
-iodomethane
-acrolein
-methylene chloride
-Tert-Butyl Alcohol
-Diisopropyl Ether
-vinyl acetate
Ethyl-Tert-Butyl-Ether
-cis-1,2-dichloroethene
-2,2-dichloropropane
-Cyclohexane+
-chloroform
-1,1-dichloropropene
-benzene
-flourobenzene
-methyl cyclohexane+
-dibromomethane
-bromodichloromethane
-1,4-Dioxane
-2-Chloroethylvinyl ether
-cis-1,3-dichloropropene
-toluene-d8
-toluene
-ethyl-methacrylate+
-chlorodibromomethane
-1,3-dichloropropane
-1,2-dibromoethane
-2-hexanone
-chlorobenzene-d5
-ethyl benzene
p/m xylene
-bromoform
o-xylene
-isopropylbenzene
-4-bromofluorobenzene
-n-propylbenzene
-4-chlorotoluene
-tert-butylbenzene
-sec-butylbenzene
-p-isopropyltoluene
-1,4-dichlorobenzene
-n-butylbenzene
-1,2-dichlorobenzene
-1,2,4,5-tetramethylbenzen
-1,2-dibromo-3-chloropropa+
-hexachlorobutadiene
-naphthalene
-1,2,3-trichlorobenzene
\\Orgserv2\ff\chem\GCMSWOA\Voa105.i\160315N.b\0215N07.D
Data File: \\Orgserv2\ff\chem\GCMSWOA\Voa105.i\160315N.b\0215N07.D
Date : 15-MAR-2016 23:42
Client ID:
Sample Info: ICAL L6
Purge Volume: 10.0
Column phase:
Instrument: Voa105.i
Operator: PD
Column diameter: 0.18

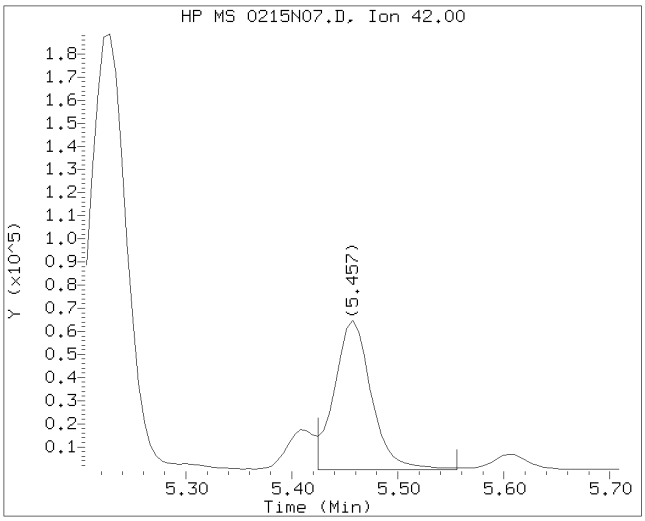
Alpha Analytical Labs

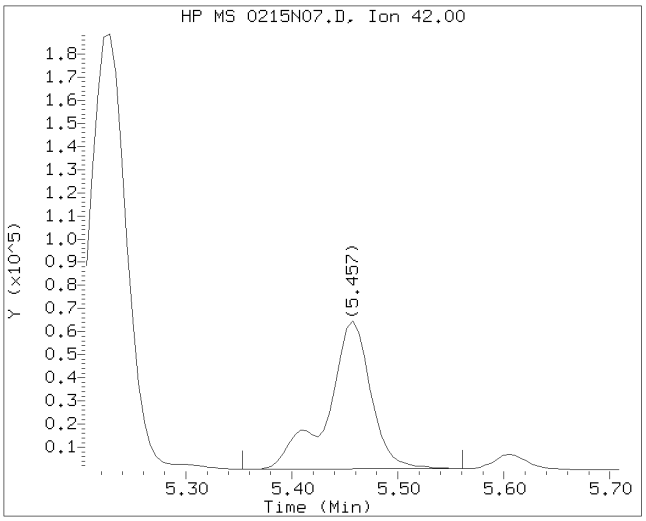
Manual Integration

Sample Info : ICAL L6
wg,ical

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0215N07.D
Injection Date : 15-MAR-2016 23:42
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_6

Compound # 31: tetrahydrofuran

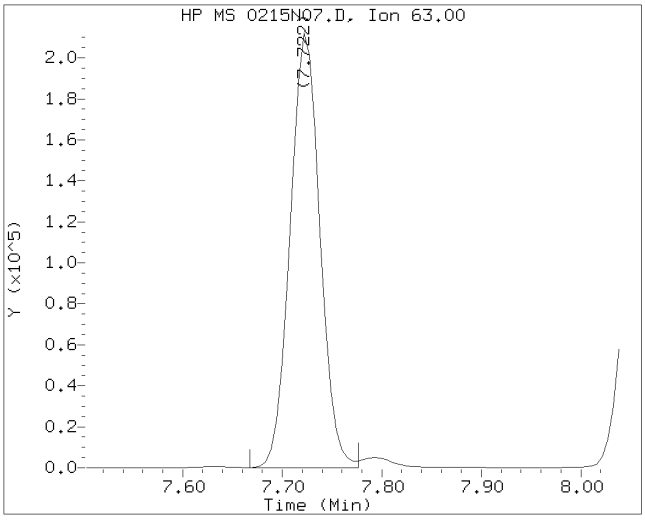


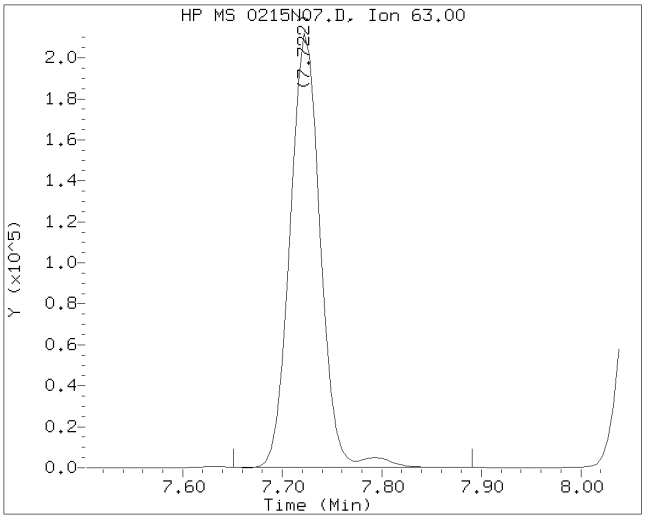


Original Peak Response = 158696 Manual Peak Response = 181597 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 51: 2-Chloroethylvinyl ether





Original Peak Response = 443554 Manual Peak Response = 451693 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - VOA105

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N08.D
Lab Smp Id:
Inj Date : 16-MAR-2016 00:05
Operator : PD Inst ID: Voa105.i
Smp Info : ICAL L8
Misc Info : wg,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Meth Date : 16-Mar-2016 12:59 Voa105.i Quant Type: ISTD
Cal Date : 15-MAR-2016 23:42 Cal File: 0215N07.D
Als bottle: 8 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	1.774	1.774	(0.282)	1524085	1200.00	1286.755(A)	
2	chloromethane	50	1.976	1.976	(0.314)	1312961	1200.00	1248.315(A)	
3	vinyl chloride	62	2.063	2.063	(0.327)	1623450	1200.00	1349.619(A)	
4	bromomethane	94	2.396	2.396	(0.380)	653330	1200.00	1143.433(A)	
5	chloroethane	64	2.521	2.521	(0.400)	585750	1200.00	1134.771(A)	
6	trichlorofluoromethane	101	2.663	2.663	(0.423)	1951090	1200.00	1226.104(AM)	M2
7	ethyl ether	74	2.974	2.974	(0.472)	655002	1200.00	1231.861(A)	
8	1,1,-dichloroethene	96	3.182	3.182	(0.505)	1328443	1200.00	1285.229(AM)	M2
9	carbon disulfide	76	3.209	3.209	(0.509)	4066513	1200.00	1287.491(A)	
10	freon-113	101	3.214	3.214	(0.510)	1463588	1200.00	1307.081(A)	
186	iodomethane	142	3.329	3.329	(0.528)	2088912	1200.00	1194.400(A)	
12	acrolein	56	3.520	3.520	(0.559)	124431	1200.00	1165.632(A)	
11	methylene chloride	84	3.760	3.760	(0.597)	1312264	1200.00	1271.191(A)	
13	acetone	43	3.804	3.804	(0.604)	205802	1200.00	1151.865(A)	
14	trans-1,2-dichloroethene	96	3.907	3.907	(0.620)	1487640	1200.00	1297.792(A)	
15	Methyl Acetate	43	3.918	3.918	(0.622)	545701	1200.00	1193.045(A)	
16	methyl tert butyl ether	73	4.006	4.006	(0.636)	2994464	1200.00	1283.840(A)	
17	Tert-Butyl Alcohol	59	4.098	4.098	(0.650)	291861	6000.00	6621.675(A)	
18	Diisopropyl Ether	45	4.366	4.366	(0.693)	4990789	1200.00	1273.985(A)	
19	1,1-dichloroethane	63	4.513	4.513	(0.716)	2844844	1200.00	1287.166(AM)	M2
20	halothane	117	4.557	4.557	(0.723)	1212296	1200.00	1328.598(A)	
21	acrylonitrile	53	4.568	4.568	(0.725)	290094	1200.00	1188.601(A)	
22	Ethyl-Tert-Butyl-Ether	59	4.720	4.720	(0.749)	4173373	1200.00	1300.968(A)	
23	vinyl acetate	43	4.742	4.742	(0.752)	2294284	1200.00	1282.746(A)	
24	cis-1,2-dichloroethene	96	5.037	5.037	(0.799)	1607390	1200.00	1286.607(A)	
25	2,2-dichloropropane	77	5.140	5.140	(0.816)	2409045	1200.00	1289.955(A)	
26	Cyclohexane	56	5.222	5.222	(0.829)	2957020	1200.00	1291.793(A)	
27	bromochloromethane	128	5.233	5.233	(0.830)	713788	1200.00	1305.480(A)	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	28 chloroform	83	5.304	5.304	(0.842)	2627221	1200.00	1280.258(A)	
	29 Ethyl Acetate	43	5.408	5.408	(0.858)	825920	1200.00	1237.145(A)	
	30 carbontetrachloride	117	5.435	5.435	(0.862)	2330007	1200.00	1341.469(A)	
$	32 dibromofluoromethane	113	5.484	5.484	(0.870)	189580	100.000	100.964	
	31 tetrahydrofuran	42	5.457	5.457	(0.866)	268622	1200.00	1166.152(AM)	M1
	33 1,1,1-trichloroethane	97	5.506	5.506	(0.874)	2504249	1200.00	1303.648(A)	
	34 2-butanone	43	5.604	5.604	(0.889)	342319	1200.00	1077.854(A)	
	35 1,1-dichloropropene	75	5.626	5.626	(0.893)	2136815	1200.00	1299.827(A)	
	36 benzene	78	5.877	5.877	(0.932)	6050047	1200.00	1276.206(A)	
	37 Tertiary-Amyl Methyl Ether	73	5.975	5.975	(0.948)	3343322	1200.00	1313.845(A)	
$	38 1,2-dichloroethane-d4	65	6.019	6.019	(0.955)	193453	100.000	97.429	
	39 1,2-dichloroethane	62	6.090	6.090	(0.966)	1748868	1200.00	1232.206(A)	
*	41 flourobenzene	96	6.303	6.303	(1.000)	720505	100.000		
	42 methyl cyclohexane	83	6.455	6.455	(1.024)	2716036	1200.00	1332.533(A)	
	43 trichloroethene	95	6.472	6.472	(1.027)	1660819	1200.00	1307.575(A)	
	45 dibromomethane	93	6.925	6.925	(1.099)	743072	1200.00	1276.969(A)	
	46 1,2-dichloropropane	63	7.034	7.034	(1.116)	1525820	1200.00	1293.355(A)	
	47 bromodichloromethane	83	7.099	7.099	(1.126)	1962944	1200.00	1320.341(A)	
	49 1,4-Dioxane	88	7.318	7.318	(1.161)	65523	12000.0	12013.561	
	51 2-Chloroethylvinyl ether	63	7.721	7.721	(1.225)	682231	1200.00	1303.317(AM)	M1
	52 cis-1,3-dichloropropene	75	7.792	7.792	(1.236)	2315435	1200.00	1317.092(A)	
$	53 toluene-d8	98	8.000	8.000	(0.811)	706781	100.000	99.586	
	54 toluene	92	8.060	8.060	(0.817)	3995036	1200.00	1148.296(A)	
	56 4-methyl-2-pentanone	58	8.502	8.502	(1.349)	298635	1200.00	1301.590(A)	
	55 tetrachloroethene	166	8.502	8.502	(0.862)	1743846	1200.00	1314.801(A)	
	57 trans-1,3-dichloropropene	75	8.545	8.545	(0.867)	1919448	1200.00	1329.135(A)	
	59 ethyl-methacrylate	69	8.725	8.725	(0.885)	1341007	1200.00	1295.986(A)	
	60 1,1,2-trichloroethane	83	8.736	8.736	(0.886)	817593	1200.00	1272.593(A)	
	61 chlorodibromomethane	129	8.949	8.949	(0.908)	1343572	1200.00	1168.679(A)	
	62 1,3-dichloropropane	76	9.064	9.064	(0.919)	1756306	1200.00	1266.114(A)	
	64 1,2-dibromoethane	107	9.233	9.233	(0.936)	973169	1200.00	1276.586(A)	
	65 2-hexanone	43	9.511	9.511	(0.965)	520341	1200.00	1170.175(A)	
*	66 chlorobenzene-d5	117	9.860	9.860	(1.000)	569326	100.000		
	67 chlorobenzene	112	9.882	9.882	(1.002)	4368189	1200.00	1298.706(A)	
	68 ethyl benzene	91	9.909	9.909	(1.005)	7642588	1200.00	1291.813(A)	
	69 1,1,1,2-tetrachloroethane	131	9.964	9.964	(1.011)	1529724	1200.00	1341.789(A)	
	70 p/m xylene	106	10.100	10.100	(1.024)	5880578	2400.00	2608.830(A)	
	71 o xylene	106	10.624	10.624	(1.077)	5529934	2400.00	2597.827(A)	
	72 styrene	104	10.690	10.690	(1.084)	8947814	2400.00	2609.625(A)	
	73 bromoform	173	10.722	10.722	(0.858)	682153	1200.00	1174.409(A)	
	74 isopropylbenzene	105	10.990	10.990	(0.879)	7620590	1200.00	1311.924(A)	
$	75 4-bromofluorobenzene	95	11.312	11.312	(0.905)	278165	100.000	98.719	
	76 bromobenzene	156	11.426	11.426	(0.914)	1652520	1200.00	1290.564(A)	
	77 n-propylbenzene	91	11.459	11.459	(0.917)	8449462	1200.00	1306.276(A)	
	78 1,4-dichloro-2-butane	55	11.486	11.486	(0.919)	1728708	1200.00	1246.559(A)	
	79 1,1,2,2,-tetrachloroethane	83	11.552	11.552	(0.924)	965710	1200.00	1256.572(A)	
	80 4-ethyltoluene	105	11.579	11.579	(0.927)	7635469	1200.00	1320.529(A)	
	82 2-chlorotoluene	91	11.628	11.628	(0.931)	5187594	1200.00	1297.629(AH)	
	83 1,3,5-trimethybenzene	105	11.677	11.677	(0.935)	6036722	1200.00	1322.126(A)	
	84 1,2,3-trichloropropane	75	11.688	11.688	(0.935)	834645	1200.00	1253.256(AH)	
	85 trans-1,4-dichloro-2-butene	53	11.737	11.737	(0.939)	313846	1200.00	1267.512(A)	
	87 4-chorotoluene	91	11.808	11.808	(0.945)	5250513	1200.00	1306.151(A)	
	88 tert-butylbenzene	119	12.010	12.010	(0.961)	5124492	1200.00	1314.084(A)	
	89 1,2,4-trimethylbenzene	105	12.086	12.086	(0.967)	5963828	1200.00	1320.980(A)	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
	90 sec-butylbenzene	105	12.196	12.196	(0.976)	7063294	1200.00	1311.161(A)	
	91 p-isopropyltoluene	119	12.343	12.343	(0.988)	5954591	1200.00	1322.536(A)	
	92 1,3-dichlorobenzene	146	12.419	12.419	(0.994)	3161226	1200.00	1303.373(A)	
*	93 1,4-dichlorobenzene-d4	152	12.496	12.496	(1.000)	272202	100.000	(Q)	
	94 1,4-dichlorobenzene	146	12.512	12.512	(1.001)	3085918	1200.00	1289.489(A)	
	95 p-Diethylbenzene	119	12.714	12.714	(1.017)	3479779	1200.00	1340.713(A)	
	96 n-butylbenzene	91	12.768	12.768	(1.022)	5005649	1200.00	1309.387(A)	
	97 1,2-dichlorobenzene	146	12.932	12.932	(1.035)	2609924	1200.00	1288.475(A)	
	98 1,2,4,5-tetramethylbenzene	119	13.500	13.500	(1.080)	5012635	1200.00	1324.199(A)	
	99 1,2-dibromo-3-chloropropane	75	13.723	13.723	(1.098)	429029	1200.00	1286.478(A)	
	100 1,3,5-trichlorobenzene	180	13.729	13.729	(1.099)	1736382	1200.00	1288.400(A)	
	101 hexachlorobutadiene	225	14.291	14.291	(1.144)	526554	1200.00	1276.587(A)	
	102 1,2,4-trichlorobenzene	180	14.324	14.324	(1.146)	1122763	1200.00	1272.371(A)	
	103 naphthalene	128	14.624	14.624	(1.170)	1555836	1200.00	1225.249(A)	
	104 1,2,3-trichlorobenzene	180	14.787	14.787	(1.183)	579020	1200.00	1229.988(A)	

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa105.i
Lab File ID: 0215N08.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Misc Info: wg,ical

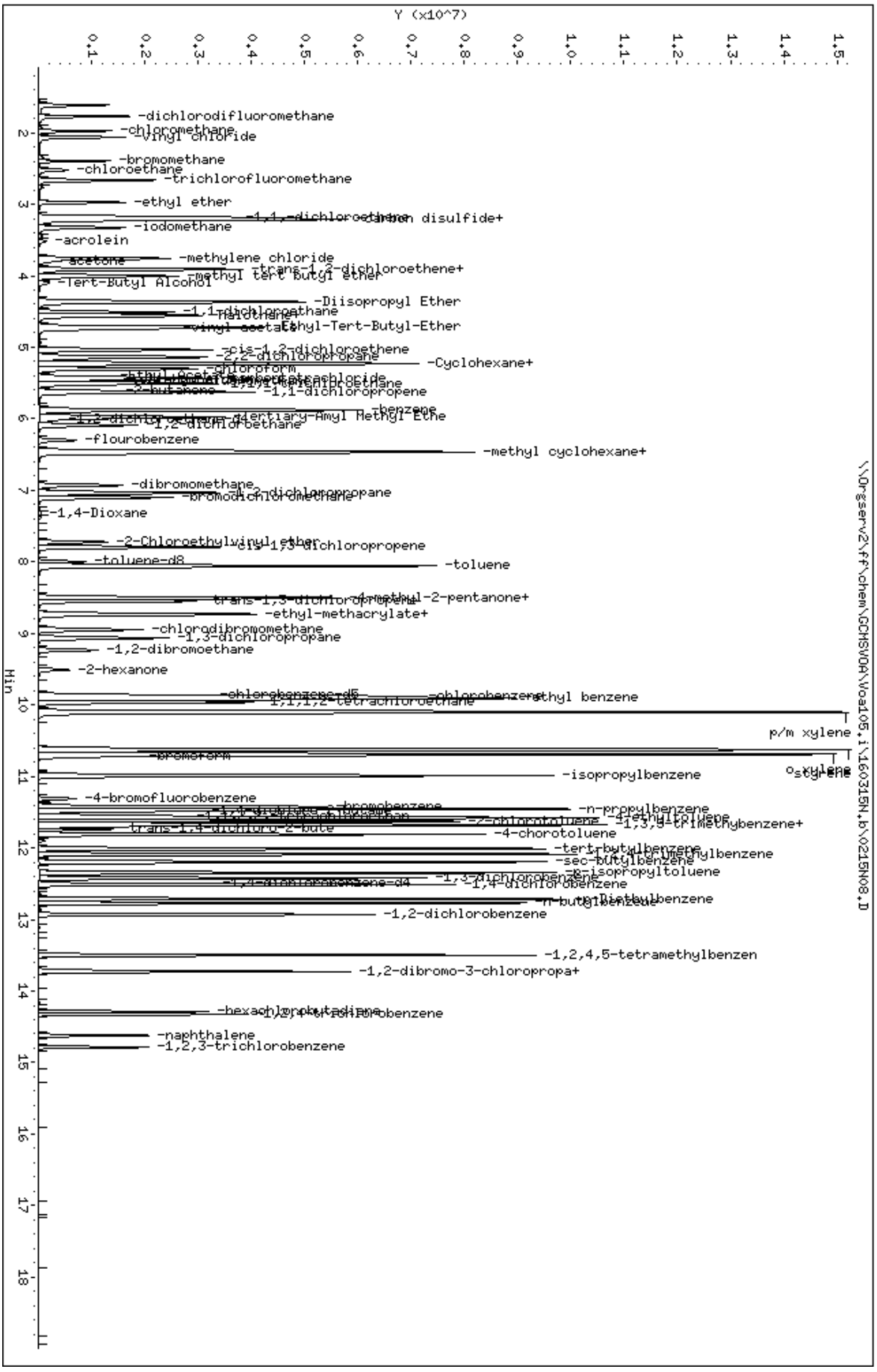
Calibration Date: 15-MAR-2016
Calibration Time: 22:56
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	714313	357157	1428626	720505	0.87
66 chlorobenzene-d5	555225	277613	1110450	569326	2.54
93 1,4-dichlorobenze	263012	131506	526024	272202	3.49

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	6.30	5.80	6.80	6.30	0.00
66 chlorobenzene-d5	9.86	9.36	10.36	9.86	0.00
93 1,4-dichlorobenze	12.50	12.00	13.00	12.50	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Data File: \\Orgserv2\ff\chem\GCMSWOA\Woa105.i\160315N.b\0215N08.D
Date : 16-MAR-2016 00:05
Client ID:
Sample Info: ICAL L8
Purge Volume: 10.0
Column phase:

Instrument: Woa105.i
Operator: PD
Column diameter: 0.18

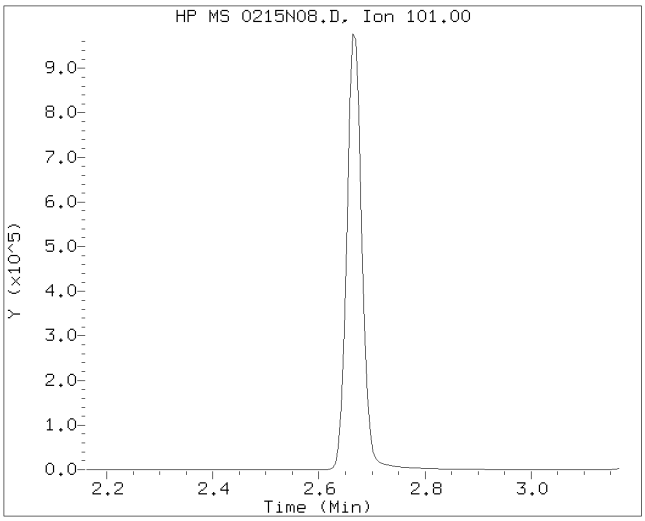
Alpha Analytical Labs

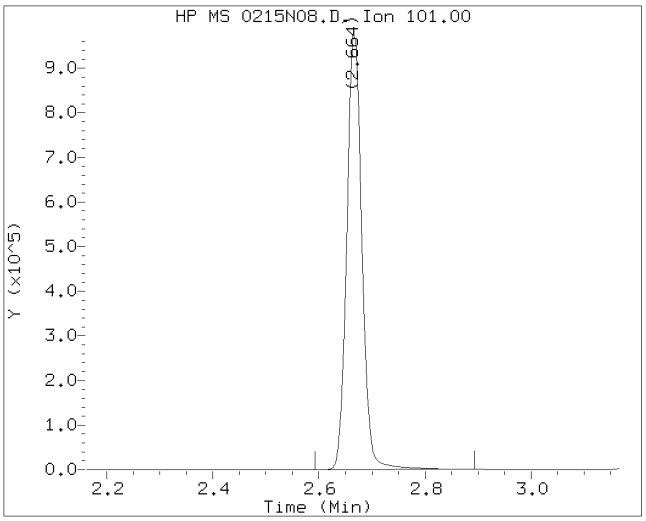
Manual Integration

Sample Info : ICAL L8
wg,ical

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0215N08.D
Injection Date : 16-MAR-2016 00:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_8

Compound # 6: trichlorofluoromethane

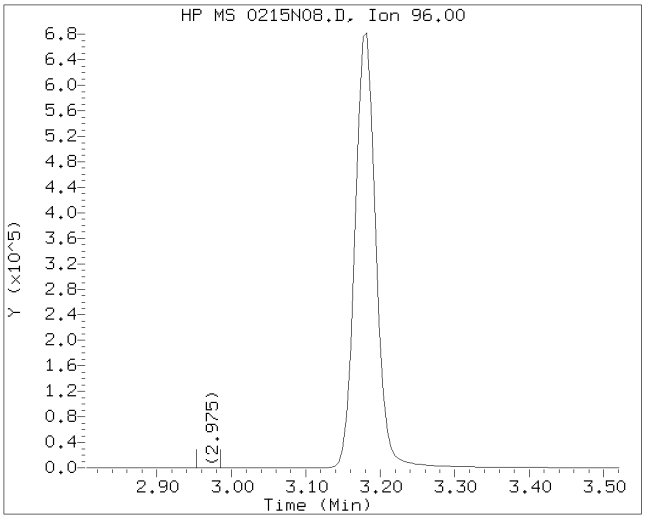


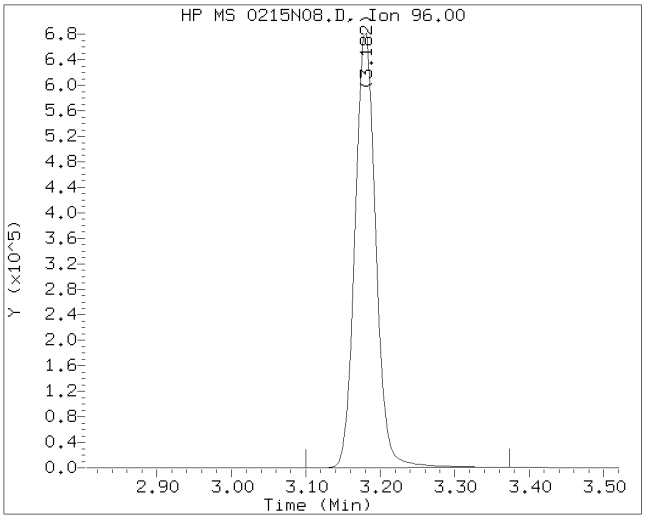


Original Peak Response = 0 Manual Peak Response = 1951090 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 8: 1,1,-dichloroethene





Original Peak Response = 298 Manual Peak Response = 1328443 M2

M2 = Peak not found by automatic integration algorithm.

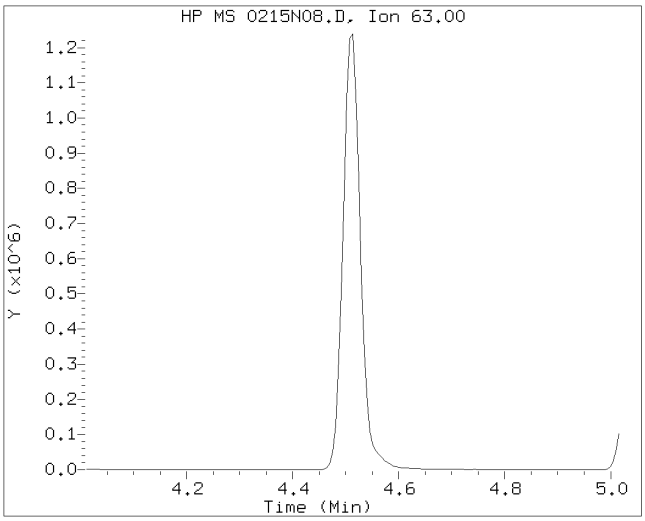
Alpha Analytical Labs

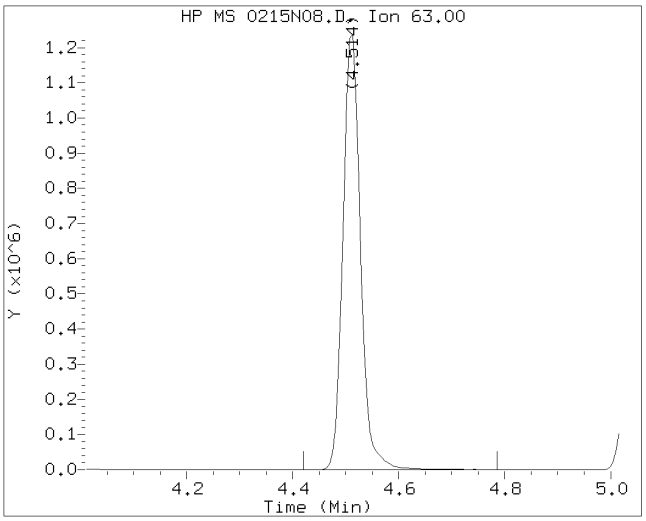
Manual Integration

Sample Info : ICAL L8
wg,ical

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0215N08.D
Injection Date : 16-MAR-2016 00:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_8

Compound # 19: 1,1-dichloroethane

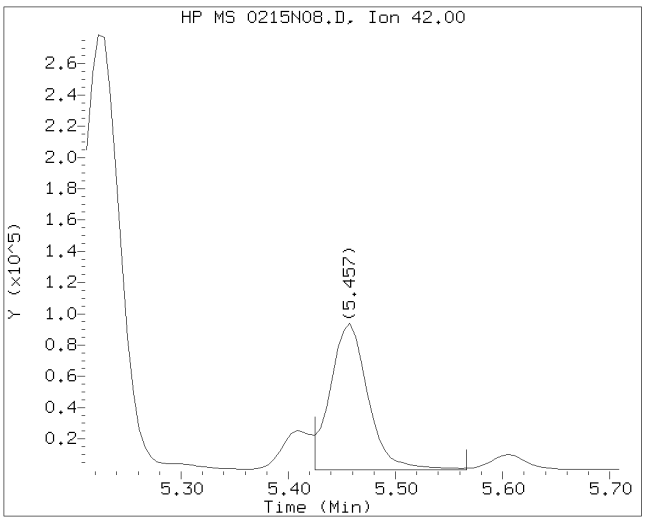


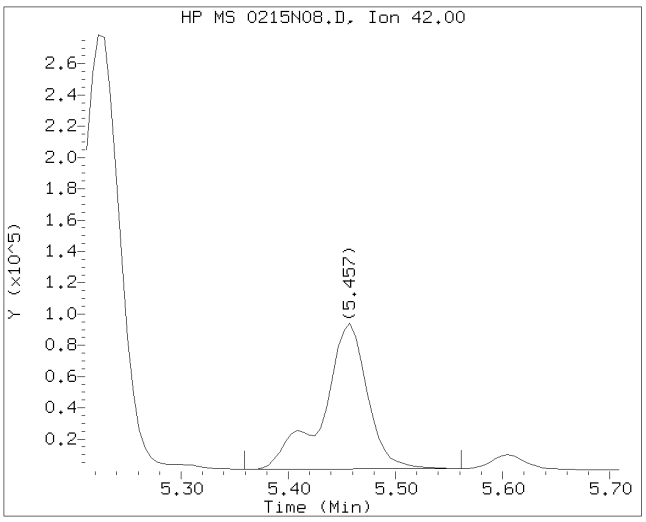


Original Peak Response = 0 Manual Peak Response = 2844844 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 31: tetrahydrofuran





Original Peak Response = 232998 Manual Peak Response = 268622 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

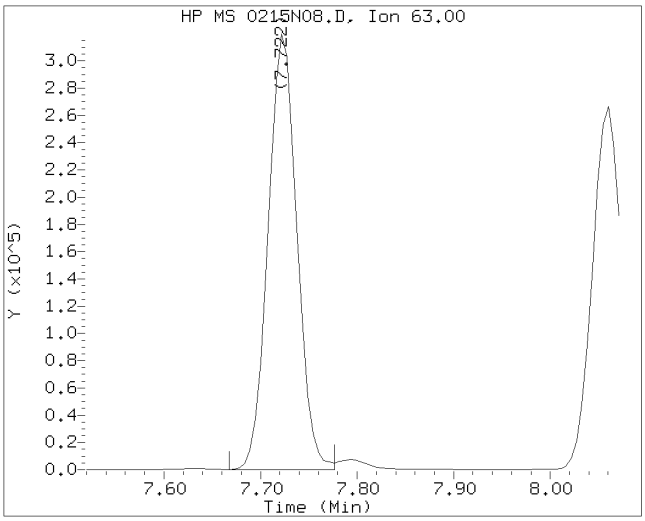
Alpha Analytical Labs

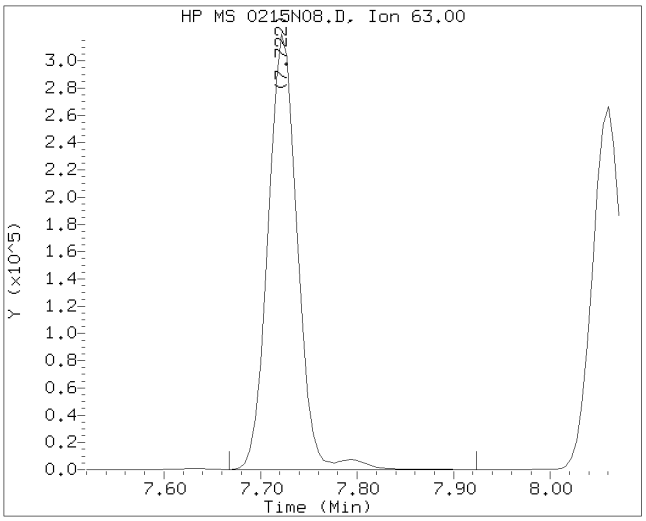
Manual Integration

Sample Info : ICAL L8
wg,ical

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0215N08.D
Injection Date : 16-MAR-2016 00:05
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_8

Compound # 51: 2-Chloroethylvinyl ether





Original Peak Response = 667160 Manual Peak Response = 682231 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - VOA105

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N09.D
Lab Smp Id:
Inj Date : 16-MAR-2016 00:29
Operator : PD Inst ID: Voa105.i
Smp Info : ICAL L10
Misc Info : wg,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Meth Date : 16-Mar-2016 12:59 Voa105.i Quant Type: ISTD
Cal Date : 16-MAR-2016 00:05 Cal File: 0215N08.D
Als bottle: 9 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	1.774	1.774	(0.281)	2607943	2000.00	2213.314(A)	
2	chloromethane	50	1.976	1.976	(0.314)	2518798	2000.00	2407.266(A)	
3	vinyl chloride	62	2.063	2.063	(0.327)	2775568	2000.00	2319.436(A)	
4	bromomethane	94	2.401	2.401	(0.381)	1208596	2000.00	2122.202(A)	
5	chloroethane	64	2.516	2.516	(0.399)	857349	2000.00	1669.598(A)	
6	trichlorofluoromethane	101	2.663	2.663	(0.423)	3230081	2000.00	2040.431(A)	
7	ethyl ether	74	2.974	2.974	(0.472)	1153056	2000.00	2179.858(A)	
8	1,1,-dichloroethene	96	3.181	3.181	(0.505)	2290873	2000.00	2227.906(AM)	M2
9	carbon disulfide	76	3.214	3.214	(0.510)	6756854	2000.00	2150.429(AM)	M2
10	freon-113	101	3.214	3.214	(0.510)	2481680	2000.00	2227.860(A)	
186	iodomethane	142	3.329	3.329	(0.528)	3598840	2000.00	2063.604(A)	
12	acrolein	56	3.520	3.520	(0.559)	226369	2000.00	2131.613(A)	
11	methylene chloride	84	3.760	3.760	(0.597)	2278789	2000.00	2218.974(A)	
13	acetone	43	3.804	3.804	(0.604)	363078	2000.00	2060.556(A)	
14	trans-1,2-dichloroethene	96	3.913	3.913	(0.621)	2541894	2000.00	2229.067(AM)	M2
15	Methyl Acetate	43	3.918	3.918	(0.622)	993143	2000.00	2182.591(A)	
16	methyl tert butyl ether	73	4.005	4.005	(0.636)	5259469	2000.00	2266.690(A)	
17	Tert-Butyl Alcohol	59	4.104	4.104	(0.651)	521101	10000.0	11884.259(A)	
18	Diisopropyl Ether	45	4.366	4.366	(0.693)	8415219	2000.00	2159.330(A)	
19	1,1-dichloroethane	63	4.513	4.513	(0.716)	4792136	2000.00	2179.534(AM)	M2
20	halothane	117	4.556	4.556	(0.723)	2103759	2000.00	2317.604(A)	
21	acrylonitrile	53	4.573	4.573	(0.726)	522580	2000.00	2152.328(A)	
22	Ethyl-Tert-Butyl-Ether	59	4.720	4.720	(0.749)	7199723	2000.00	2256.075(A)	
23	vinyl acetate	43	4.747	4.747	(0.753)	4273775	2000.00	2401.948(A)	
24	cis-1,2-dichloroethene	96	5.037	5.037	(0.799)	2756913	2000.00	2218.228(A)	
25	2,2-dichloropropane	77	5.140	5.140	(0.816)	4061764	2000.00	2186.265(A)	
26	Cyclohexane	56	5.228	5.228	(0.829)	4990446	2000.00	2191.475(A)	
27	bromochloromethane	128	5.233	5.233	(0.830)	1215230	2000.00	2234.179(A)	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	28 chloroform	83	5.304	5.304	(0.842)	4425880	2000.00	2167.999(A)	
	29 Ethyl Acetate	43	5.408	5.408	(0.858)	1472007	2000.00	2216.415(A)	
	30 carbontetrachloride	117	5.435	5.435	(0.862)	4002509	2000.00	2316.404(A)	
$	32 dibromofluoromethane	113	5.484	5.484	(0.870)	192802	100.000	103.215	
	31 tetrahydrofuran	42	5.457	5.457	(0.866)	480831	2000.00	2098.285(AM)	M1
	33 1,1,1-trichloroethane	97	5.506	5.506	(0.874)	4279812	2000.00	2239.577(A)	
	34 2-butanone	43	5.604	5.604	(0.889)	611538	2000.00	1935.579(A)	
	35 1,1-dichloropropene	75	5.626	5.626	(0.893)	3653280	2000.00	2233.882(A)	
	36 benzene	78	5.882	5.882	(0.933)	10286712	2000.00	2181.208(A)	
	37 Tertiary-Amyl Methyl Ether	73	5.975	5.975	(0.948)	5871884	2000.00	2319.540(A)	
$	38 1,2-dichloroethane-d4	65	6.024	6.024	(0.956)	203941	100.000	103.246	
	39 1,2-dichloroethane	62	6.090	6.090	(0.966)	3014936	2000.00	2135.319(A)	
*	41 flourobenzene	96	6.303	6.303	(1.000)	716768	100.000		
	42 methyl cyclohexane	83	6.461	6.461	(1.025)	4586073	2000.00	2261.736(A)	
	43 trichloroethene	95	6.477	6.477	(1.028)	2780153	2000.00	2200.246(A)	
	45 dibromomethane	93	6.930	6.930	(1.100)	1306293	2000.00	2256.569(A)	
	46 1,2-dichloropropane	63	7.034	7.034	(1.116)	2605032	2000.00	2219.658(A)	
	47 bromodichloromethane	83	7.099	7.099	(1.126)	3375428	2000.00	2282.262(A)	
	49 1,4-Dioxane	88	7.317	7.317	(1.161)	111574	20000.0	20563.611	
	51 2-Chloroethylvinyl ether	63	7.727	7.727	(1.226)	1216379	2000.00	2335.856(AM)	M1
	52 cis-1,3-dichloropropene	75	7.798	7.798	(1.237)	3983044	2000.00	2277.492(A)	
$	53 toluene-d8	98	7.999	7.999	(0.811)	703326	100.000	98.662	
	54 toluene	92	8.059	8.059	(0.817)	6713222	2000.00	1921.082(A)	
	56 4-methyl-2-pentanone	58	8.501	8.501	(1.349)	535040	2000.00	2344.112(A)	
	55 tetrachloroethene	166	8.507	8.507	(0.863)	2937608	2000.00	2205.098(A)	
	57 trans-1,3-dichloropropene	75	8.551	8.551	(0.867)	3351125	2000.00	2310.284(A)	
	59 ethyl-methacrylate	69	8.725	8.725	(0.885)	2392834	2000.00	2302.310(A)	
	60 1,1,2-trichloroethane	83	8.742	8.742	(0.887)	1436737	2000.00	2226.443(A)	
	61 chlorodibromomethane	129	8.949	8.949	(0.908)	2392308	2000.00	2068.774(A)	
	62 1,3-dichloropropane	76	9.069	9.069	(0.920)	3073119	2000.00	2205.636(A)	
	64 1,2-dibromoethane	107	9.233	9.233	(0.936)	1723577	2000.00	2250.995(A)	
	65 2-hexanone	43	9.511	9.511	(0.965)	937648	2000.00	2099.350(A)	
*	66 chlorobenzene-d5	117	9.860	9.860	(1.000)	571846	100.000		
	67 chlorobenzene	112	9.882	9.882	(1.002)	7267710	2000.00	2151.241(A)	
	68 ethyl benzene	91	9.915	9.915	(1.006)	12621456	2000.00	2123.982(A)	
	69 1,1,1,2-tetrachloroethane	131	9.964	9.964	(1.011)	2637129	2000.00	2302.949(A)	
	70 p/m xylene	106	10.106	10.106	(1.025)	8890873	4000.00	3926.921(A)	
	71 o xylene	106	10.629	10.629	(1.078)	8392878	4000.00	3925.393(A)	
	72 styrene	104	10.695	10.695	(1.085)	13544868	4000.00	3932.946(A)	
	73 bromoform	173	10.722	10.722	(0.858)	1223384	2000.00	2072.457(A)	
	74 isopropylbenzene	105	10.990	10.990	(0.879)	12374620	2000.00	2099.313(A)	
$	75 4-bromofluorobenzene	95	11.311	11.311	(0.905)	280935	100.000	98.249	
	76 bromobenzene	156	11.426	11.426	(0.914)	2825274	2000.00	2174.297(A)	
	77 n-propylbenzene	91	11.459	11.459	(0.917)	13690106	2000.00	2085.634(A)	
	78 1,4-dichloro-2-butane	55	11.486	11.486	(0.919)	3058655	2000.00	2173.437(A)	
	79 1,1,2,2,-tetrachloroethane	83	11.552	11.552	(0.924)	1742538	2000.00	2234.335(A)	
	80 4-ethyltoluene	105	11.584	11.584	(0.927)	12361411	2000.00	2106.713(A)	
	82 2-chlorotoluene	91	11.628	11.628	(0.930)	8720265	2000.00	2149.511(AH)	
	83 1,3,5-trimethybenzene	105	11.677	11.677	(0.934)	9731660	2000.00	2100.312(A)	
	84 1,2,3-trichloropropane	75	11.693	11.693	(0.935)	1452734	2000.00	2149.559(A)	
	85 trans-1,4-dichloro-2-butene	53	11.743	11.743	(0.939)	574974	2000.00	2288.279(A)	
	87 4-chorotoluene	91	11.808	11.808	(0.945)	8779447	2000.00	2152.207(A)	
	88 tert-butylbenzene	119	12.010	12.010	(0.961)	8442620	2000.00	2133.412(A)	
	89 1,2,4-trimethylbenzene	105	12.086	12.086	(0.967)	9777507	2000.00	2134.149(A)	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
	90 sec-butylbenzene	105	12.195	12.195	(0.976)	11572300	2000.00	2116.868(A)	
	91 p-isopropyltoluene	119	12.348	12.348	(0.988)	9663213	2000.00	2114.961(A)	
	92 1,3-dichlorobenzene	146	12.425	12.425	(0.994)	5359905	2000.00	2177.687(A)	
*	93 1,4-dichlorobenzene-d4	152	12.501	12.501	(1.000)	276227	100.000	(Q)	
	94 1,4-dichlorobenzene	146	12.517	12.517	(1.001)	5223053	2000.00	2150.715(A)	
	95 p-Diethylbenzene	119	12.714	12.714	(1.017)	5746122	2000.00	2181.645(A)	
	96 n-butylbenzene	91	12.774	12.774	(1.022)	8365611	2000.00	2156.407(A)	
	97 1,2-dichlorobenzene	146	12.932	12.932	(1.034)	4536123	2000.00	2206.775(A)	
	98 1,2,4,5-tetramethylbenzene	119	13.499	13.499	(1.080)	8299944	2000.00	2160.666(A)	
	99 1,2-dibromo-3-chloropropane	75	13.729	13.729	(1.098)	751917	2000.00	2221.831(A)	
	100 1,3,5-trichlorobenzene	180	13.729	13.729	(1.098)	2970898	2000.00	2172.294(A)	
	101 hexachlorobutadiene	225	14.291	14.291	(1.143)	905338	2000.00	2162.935(A)	
	102 1,2,4-trichlorobenzene	180	14.323	14.323	(1.146)	2016797	2000.00	2252.232(A)	
	103 naphthalene	128	14.623	14.623	(1.170)	2963106	2000.00	2299.497(A)	
	104 1,2,3-trichlorobenzene	180	14.787	14.787	(1.183)	1091832	2000.00	2285.537(A)	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa105.i
Lab File ID: 0215N09.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Misc Info: wg,ical

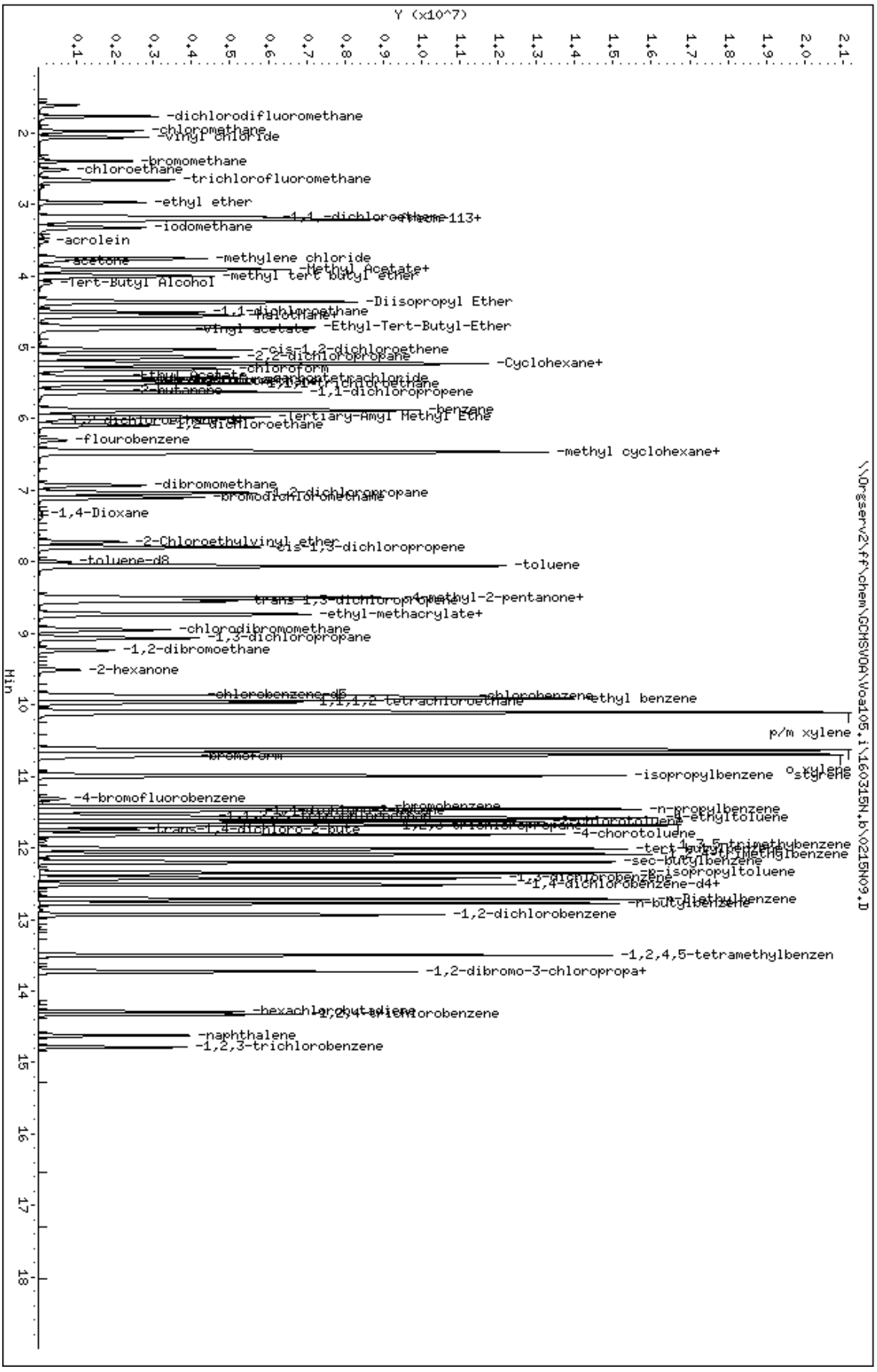
Calibration Date: 15-MAR-2016
Calibration Time: 22:56
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	714313	357157	1428626	716768	0.34
66 chlorobenzene-d5	555225	277613	1110450	571846	2.99
93 1,4-dichlorobenze	263012	131506	526024	276227	5.02

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	6.30	5.80	6.80	6.30	-0.00
66 chlorobenzene-d5	9.86	9.36	10.36	9.86	-0.00
93 1,4-dichlorobenze	12.50	12.00	13.00	12.50	0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Data File: \\Orgserv2\ff\chem\GCMSWOA\Woa105.i\160315N.b\0215N09.D
Date : 16-MAR-2016 00:29
Client ID:
Sample Info: ICAL L10
Purge Volume: 10.0
Column phase:

Instrument: Woa105.i
Operator: PD
Column diameter: 0.18

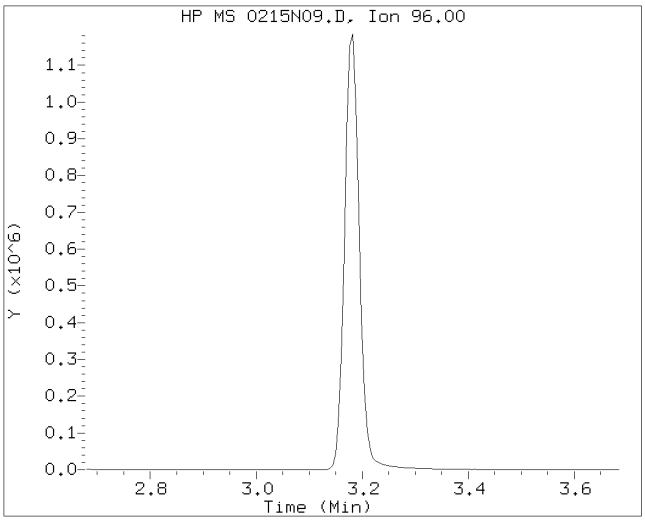
Alpha Analytical Labs

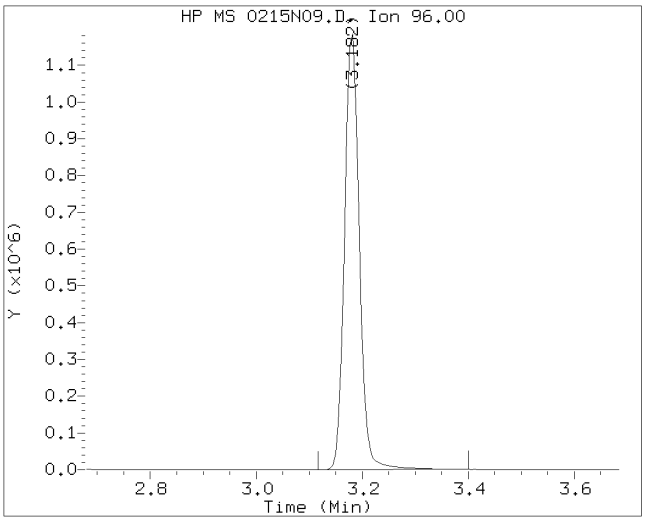
Manual Integration

Sample Info : ICAL L10
wg,ical

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0215N09.D
Injection Date : 16-MAR-2016 00:29
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_10

Compound # 8: 1,1,-dichloroethene

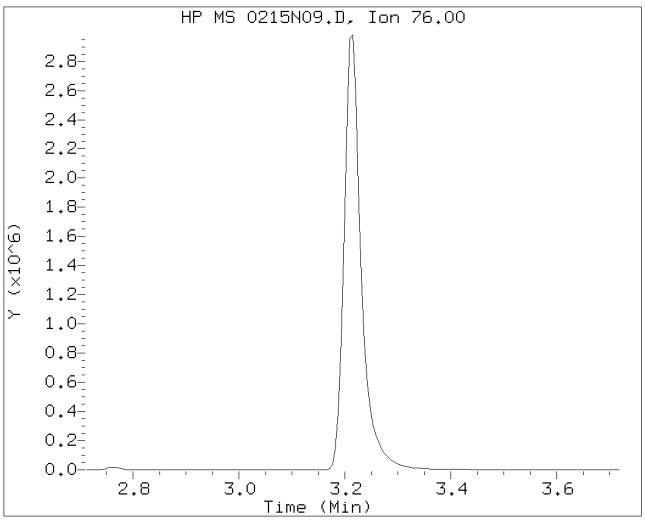


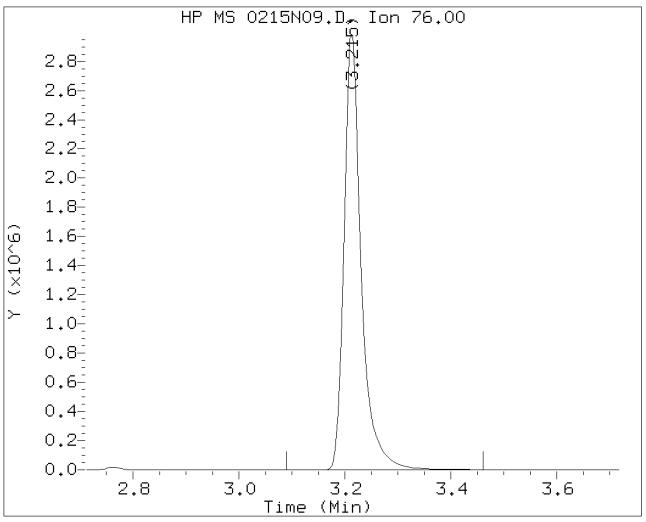


Original Peak Response = 0 Manual Peak Response = 2290873 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 9: carbon disulfide





Original Peak Response = 0 Manual Peak Response = 6756854 M2

M2 = Peak not found by automatic integration algorithm.

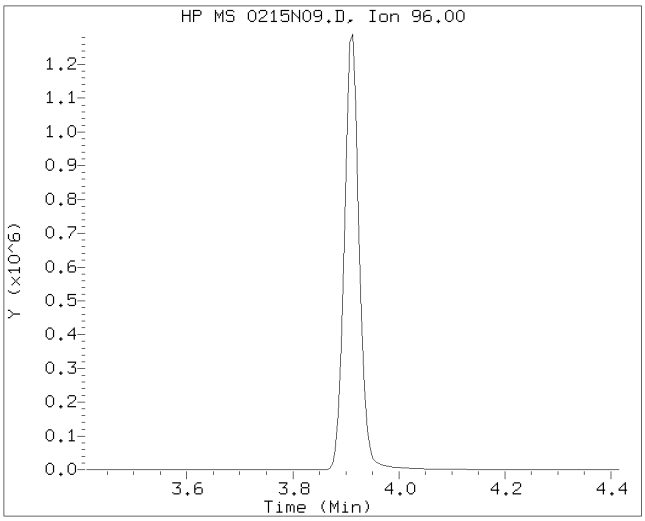
Alpha Analytical Labs

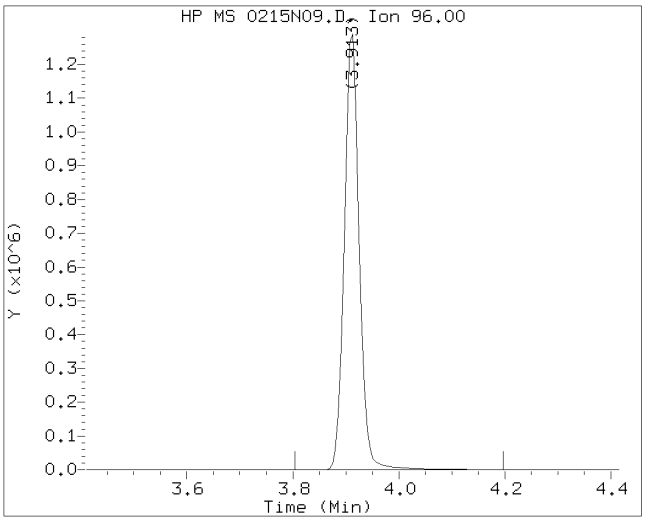
Manual Integration

Sample Info : ICAL L10
wg,ical

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0215N09.D
Injection Date : 16-MAR-2016 00:29
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_10

Compound # 14: trans-1,2-dichloroethene

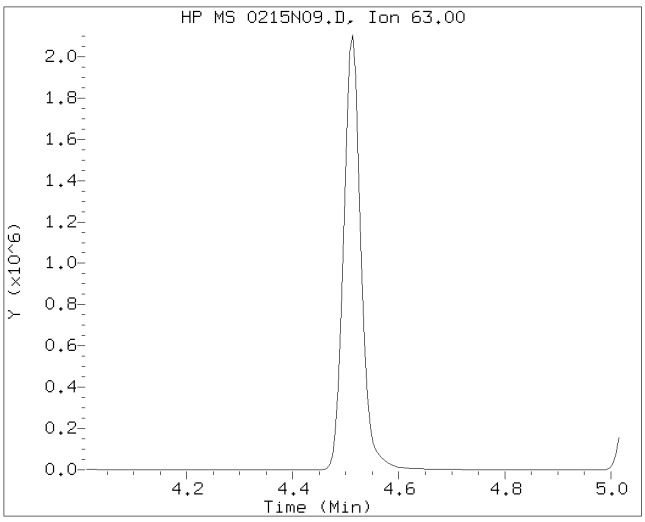


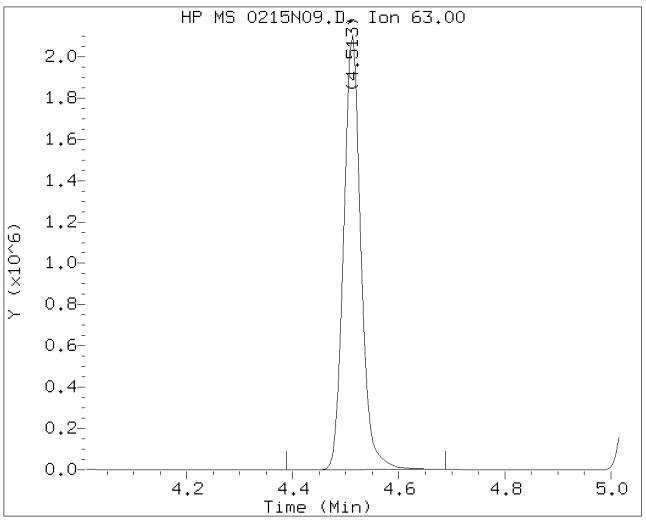


Original Peak Response = 0 Manual Peak Response = 2541894 M2

M2 = Peak not found by automatic integration algorithm.

Compound # 19: 1,1-dichloroethane





Original Peak Response = 0 Manual Peak Response = 4792136 M2

M2 = Peak not found by automatic integration algorithm.

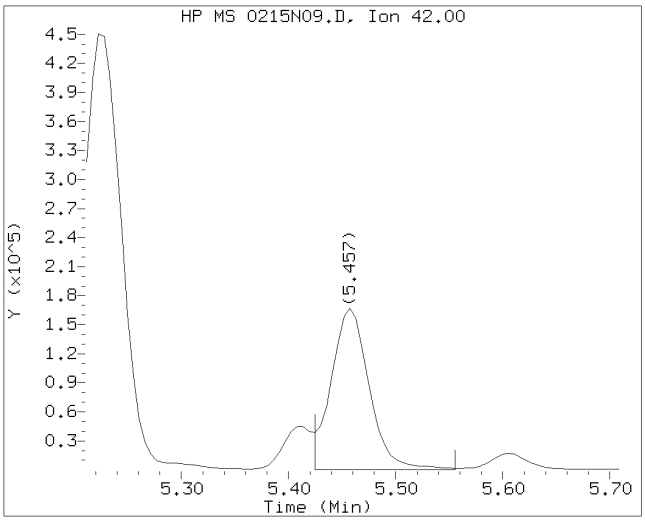
Alpha Analytical Labs

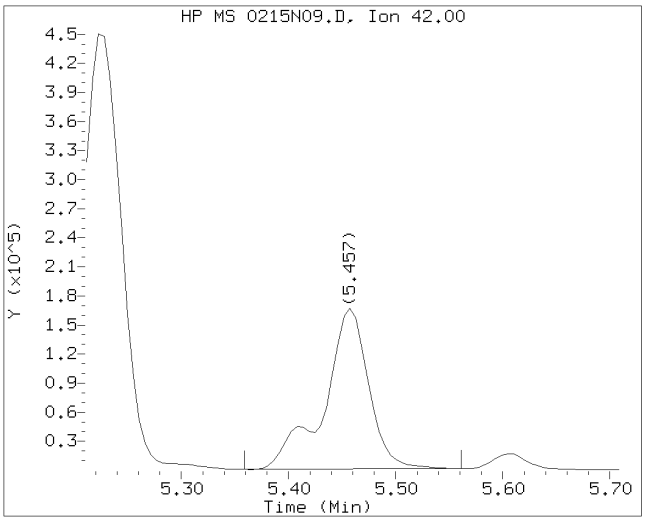
Manual Integration

Sample Info : ICAL L10
wg,ical

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0215N09.D
Injection Date : 16-MAR-2016 00:29
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CALIB_10

Compound # 31: tetrahydrofuran

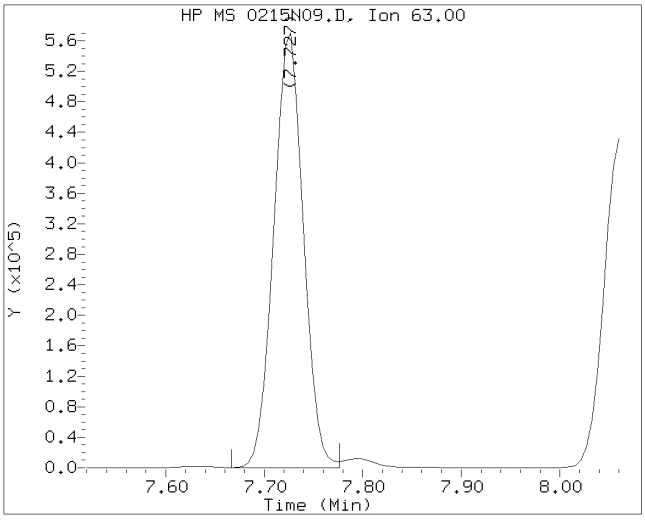


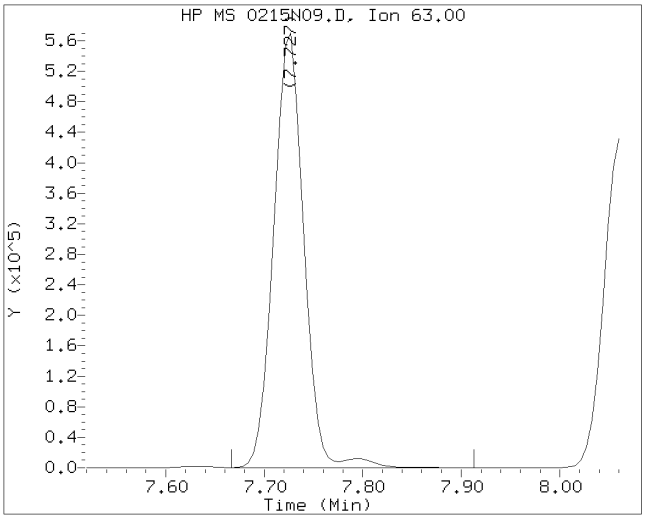


Original Peak Response = 417598 Manual Peak Response = 480831 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 51: 2-Chloroethylvinyl ether





Original Peak Response = 1192527 Manual Peak Response = 1216379 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Initial Calibration Verification

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Voa105.i Injection Date: 16-MAR-2016 03:11
Lab File ID: 0215N16.D Init. Cal. Date(s): 15-MAR-2016 16-MAR-2016
Analysis Type: WATER Init. Cal. Times: 21:46 00:29
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 dichlorodifluoromethane	0.16439	0.20435	0.20435	0.050	24.30957	20.00000	Averaged	<-
2 chloromethane	0.14598	0.17657	0.17657	0.050	20.95470	20.00000	Averaged	<-
3 vinyl chloride	0.16695	0.22221	0.22221	0.050	33.10114	20.00000	Averaged	<-
4 bromomethane	100	125	0.09571	0.050	24.91534	20.00000	Wt Linear	<-
5 chloroethane	0.07164	0.09262	0.09262	0.050	29.27976	20.00000	Averaged	<-
6 trichlorofluoromethane	0.22086	0.29454	0.29454	0.050	33.36334	20.00000	Averaged	<-
7 ethyl ether	0.07380	0.07705	0.07705	0.050	4.40020	20.00000	Averaged	
8 1,1,-dichloroethene	0.14346	0.15607	0.15607	0.050	8.79114	20.00000	Averaged	
9 carbon disulfide	0.43837	0.38102	0.38102	0.050	-13.08264	20.00000	Averaged	
10 freon-113	0.15541	0.16671	0.16671	0.050	7.26867	20.00000	Averaged	
186 iodomethane	100	93.07408	0.21094	0.050	-6.92592	20.00000	Wt Linear	
12 acrolein	0.01482	0.00441	0.00441	0.050	-70.22097	20.00000	Averaged	<-
11 methylene chloride	0.14328	0.15149	0.15149	0.050	5.73342	20.00000	Averaged	
13 acetone	100	79.24289	0.02487	0.050	-20.75711	20.00000	Wt Linear	<-
14 trans-1,2-dichloroethene	0.15909	0.17253	0.17253	0.050	8.44572	20.00000	Averaged	
15 Methyl Acetate	0.06348	0.07678	0.07678	0.050	20.94450	20.00000	Averaged	<-
16 methyl tert butyl ether	0.32372	0.31237	0.31237	0.050	-3.50769	20.00000	Averaged	
17 Tert-Butyl Alcohol	0.00612	0.00616	0.00616	0.050	0.73548	20.00000	Averaged	<-
18 Diisopropyl Ether	0.54371	0.50495	0.50495	0.050	-7.12796	20.00000	Averaged	
19 1,1-dichloroethane	0.30675	0.32521	0.32521	0.050	6.01786	20.00000	Averaged	
20 halothane	0.12664	0.12534	0.12534	0.050	-1.02837	20.00000	Averaged	
21 acrylonitrile	0.03387	0.03101	0.03101	0.050	-8.46380	20.00000	Averaged	<-
22 Ethyl-Tert-Butyl-Ether	0.44523	0.41567	0.41567	0.050	-6.63971	20.00000	Averaged	
23 vinyl acetate	0.24824	0.27689	0.27689	0.050	11.54105	20.00000	Averaged	
24 cis-1,2-dichloroethene	0.17340	0.18200	0.18200	0.050	4.95979	20.00000	Averaged	
25 2,2-dichloropropane	0.25920	0.24701	0.24701	0.050	-4.70199	20.00000	Averaged	
26 Cyclohexane	0.31771	0.32844	0.32844	0.050	3.37743	20.00000	Averaged	
27 bromochloromethane	0.07589	0.07916	0.07916	0.050	4.31658	20.00000	Averaged	
28 chloroform	0.28481	0.30279	0.30279	0.050	6.31263	20.00000	Averaged	
29 Ethyl Acetate	0.09266	0.09027	0.09027	0.050	-2.58159	20.00000	Averaged	
30 carbontetrachloride	0.24107	0.24828	0.24828	0.050	2.99184	20.00000	Averaged	
$ 32 dibromofluoromethane	0.26061	0.26110	0.26110	0.050	0.19067	20.00000	Averaged	
31 tetrahydrofuran	0.03197	0.02972	0.02972	0.050	-7.03683	20.00000	Averaged	<-
33 1,1,1-trichloroethane	0.26661	0.28205	0.28205	0.050	5.79190	20.00000	Averaged	
34 2-butanone	0.04408	0.03828	0.03828	0.050	-13.15075	20.00000	Averaged	<-
35 1,1-dichloropropene	0.22816	0.25710	0.25710	0.050	12.68290	20.00000	Averaged	
36 benzene	0.65796	0.68713	0.68713	0.050	4.43300	20.00000	Averaged	
37 Tertiary-Amyl Methyl Ether	0.35318	0.32394	0.32394	0.050	-8.27891	20.00000	Averaged	
$ 38 1,2-dichloroethane-d4	0.27558	0.27393	0.27393	0.050	-0.59826	20.00000	Averaged	
39 1,2-dichloroethane	0.19699	0.20676	0.20676	0.050	4.95895	20.00000	Averaged	
42 methyl cyclohexane	0.28289	0.28541	0.28541	0.050	0.88939	20.00000	Averaged	
43 trichloroethene	0.17629	0.18547	0.18547	0.050	5.21225	20.00000	Averaged	

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Voa105.i Injection Date: 16-MAR-2016 03:11
Lab File ID: 0215N16.D Init. Cal. Date(s): 15-MAR-2016 16-MAR-2016
Analysis Type: WATER Init. Cal. Times: 21:46 00:29
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
45 dibromomethane	0.08076	0.08352	0.08352	0.050	3.41756	20.00000	Averaged	
46 1,2-dichloropropane	0.16374	0.16994	0.16994	0.050	3.79005	20.00000	Averaged	
47 bromodichloromethane	0.20634	0.20940	0.20940	0.050	1.48452	20.00000	Averaged	
49 1,4-Dioxane	0.00076	0.00066	0.00066	0.050	-12.83180	20.00000	Averaged	<-
51 2-Chloroethylvinyl ether	0.07265	0.06744	0.06744	0.050	-7.17784	20.00000	Averaged	
52 cis-1,3-dichloropropene	0.24399	0.24629	0.24629	0.050	0.94291	20.00000	Averaged	
$ 53 toluene-d8	1.24660	1.25287	1.25287	0.050	0.50348	20.00000	Averaged	
54 toluene	0.61109	0.60017	0.60017	0.050	-1.78687	20.00000	Averaged	
56 4-methyl-2-pentanone	0.03184	0.02960	0.02960	0.050	-7.06181	20.00000	Averaged	<-
55 tetrachloroethene	0.23296	0.24653	0.24653	0.050	5.82472	20.00000	Averaged	
57 trans-1,3-dichloropropene	0.25366	0.25147	0.25147	0.050	-0.86374	20.00000	Averaged	
59 ethyl-methacrylate	0.18175	0.17259	0.17259	0.050	-5.03724	20.00000	Averaged	
60 1,1,2-trichloroethane	0.11285	0.11811	0.11811	0.050	4.66335	20.00000	Averaged	
61 chlorodibromomethane	100	89.36736	0.17330	0.050	-10.63264	20.00000	Wt Linear	
62 1,3-dichloropropane	0.24365	0.25702	0.25702	0.050	5.48546	20.00000	Averaged	
64 1,2-dibromoethane	0.13390	0.13953	0.13953	0.050	4.20178	20.00000	Averaged	
65 2-hexanone	0.07810	0.07001	0.07001	0.050	-10.36245	20.00000	Averaged	
67 chlorobenzene	0.59078	0.62132	0.62132	0.050	5.16847	20.00000	Averaged	
68 ethyl benzene	1.03915	1.08914	1.08914	0.050	4.81056	20.00000	Averaged	
69 1,1,1,2-tetrachloroethane	0.20025	0.20639	0.20639	0.050	3.06517	20.00000	Averaged	
70 p/m xylene	0.39593	0.42599	0.42599	0.050	7.59347	20.00000	Averaged	
71 o xylene	0.37389	0.40505	0.40505	0.050	8.33298	20.00000	Averaged	
72 styrene	0.60225	0.65122	0.65122	0.050	8.13089	20.00000	Averaged	
73 bromoform	100	86.23164	0.17610	0.050	-13.76836	20.00000	Wt Linear	
74 isopropylbenzene	2.13397	2.20834	2.20834	0.050	3.48495	20.00000	Averaged	
$ 75 4-bromofluorobenzene	1.03516	1.02456	1.02456	0.050	-1.02453	20.00000	Averaged	
76 bromobenzene	0.47041	0.49179	0.49179	0.050	4.54537	20.00000	Averaged	
77 n-propylbenzene	2.37631	2.54214	2.54214	0.050	6.97867	20.00000	Averaged	
78 1,4-dichloro-2-butane	0.50947	0.51776	0.51776	0.050	1.62757	20.00000	Averaged	
79 1,1,2,2,-tetrachloroethane	0.28234	0.28895	0.28895	0.050	2.34242	20.00000	Averaged	
80 4-ethyltoluene	2.12420	2.20058	2.20058	0.050	3.59533	20.00000	Averaged	
82 2-chlorotoluene	1.46867	1.50834	1.50834	0.050	2.70094	20.00000	Averaged	
83 1,3,5-trimethybenzene	1.67740	1.73550	1.73550	0.050	3.46388	20.00000	Averaged	
84 1,2,3-trichloropropane	0.24466	0.25689	0.25689	0.050	4.99795	20.00000	Averaged	
85 trans-1,4-dichloro-2-butene	0.09096	0.07605	0.07605	0.050	-16.40023	20.00000	Averaged	
87 4-chorotoluene	1.47678	1.53005	1.53005	0.050	3.60712	20.00000	Averaged	
88 tert-butylbenzene	1.43264	1.49726	1.49726	0.050	4.51064	20.00000	Averaged	
89 1,2,4-trimethylbenzene	1.65858	1.73961	1.73961	0.050	4.88532	20.00000	Averaged	
90 sec-butylbenzene	1.97906	2.03757	2.03757	0.050	2.95639	20.00000	Averaged	
91 p-isopropyltoluene	1.65407	1.73802	1.73802	0.050	5.07569	20.00000	Averaged	
92 1,3-dichlorobenzene	0.89104	0.93512	0.93512	0.050	4.94796	20.00000	Averaged	
94 1,4-dichlorobenzene	0.87917	0.95154	0.95154	0.050	8.23046	20.00000	Averaged	
95 p-Diethylbenzene	0.95351	0.94764	0.94764	0.050	-0.61579	20.00000	Averaged	

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Voa105.i Injection Date: 16-MAR-2016 03:11
Lab File ID: 0215N16.D Init. Cal. Date(s): 15-MAR-2016 16-MAR-2016
Analysis Type: WATER Init. Cal. Times: 21:46 00:29
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
96 n-butylbenzene	1.40443	1.42733	1.42733	0.050	1.63022	20.00000	Averaged	
97 1,2-dichlorobenzene	0.74415	0.80475	0.80475	0.050	8.14379	20.00000	Averaged	
98 1,2,4,5-tetramethylbenzene	1.39066	1.37024	1.37024	0.050	-1.46837	20.00000	Averaged	
99 1,2-dibromo-3-chloropropane	0.12252	0.12580	0.12580	0.050	2.68293	20.00000	Averaged	
100 1,3,5-trichlorobenzene	0.49511	0.50033	0.50033	0.050	1.05357	20.00000	Averaged	
101 hexachlorobutadiene	0.15153	0.15794	0.15794	0.050	4.22839	20.00000	Averaged	
102 1,2,4-trichlorobenzene	0.32418	0.34999	0.34999	0.050	7.96235	20.00000	Averaged	
103 naphthalene	0.46650	0.52830	0.52830	0.050	13.24903	20.00000	Averaged	
104 1,2,3-trichlorobenzene	0.17294	0.21071	0.21071	0.050	21.83618	20.00000	Averaged	<-

Average %D / Drift Results.

Calculated Average %D/Drift = 8.03411
Maximun Average %D/Drift = 20.00000
* Passed Average %D/Drift Test.

Alpha Analytical Labs

gc/ms voa - VOA105

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N16.D
Lab Smp Id:
Inj Date : 16-MAR-2016 03:11
Operator : PD Inst ID: Voa105.i
Smp Info : ICV
Misc Info : wg,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Meth Date : 16-Mar-2016 13:03 Voa105.i Quant Type: ISTD
Cal Date : 16-MAR-2016 00:29 Cal File: 0215N09.D
Als bottle: 16 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	1.768	1.768	(0.281)	141730	100.000	124.309	
2	chloromethane	50	1.976	1.976	(0.314)	122460	100.000	120.954	
3	vinyl chloride	62	2.063	2.063	(0.327)	154118	100.000	133.101	
4	bromomethane	94	2.396	2.396	(0.380)	66377	100.000	124.915	
5	chloroethane	64	2.527	2.527	(0.401)	64236	100.000	129.279	
6	trichlorofluoromethane	101	2.669	2.669	(0.423)	204282	100.000	133.363	
7	ethyl ether	74	2.974	2.974	(0.472)	53435	100.000	104.400	
8	1,1,-dichloroethene	96	3.182	3.182	(0.505)	108243	100.000	108.791	
9	carbon disulfide	76	3.209	3.209	(0.509)	264258	100.000	86.917	
10	freon-113	101	3.214	3.214	(0.510)	115620	100.000	107.268	
186	iodomethane	142	3.329	3.329	(0.528)	146299	100.000	93.074	
12	acrolein	56	3.520	3.520	(0.559)	3060	100.000	29.779	
11	methylene chloride	84	3.760	3.760	(0.597)	105067	100.000	105.733	
13	acetone	43	3.804	3.804	(0.604)	17248	100.000	79.242	
14	trans-1,2-dichloroethene	96	3.907	3.907	(0.620)	119660	100.000	108.445	
15	Methyl Acetate	43	3.918	3.918	(0.622)	53251	100.000	120.944	
16	methyl tert butyl ether	73	4.006	4.006	(0.636)	216643	100.000	96.492	
17	Tert-Butyl Alcohol	59	4.098	4.098	(0.650)	21370	500.000	503.677	
18	Diisopropyl Ether	45	4.366	4.366	(0.693)	350214	100.000	92.872	
19	1,1-dichloroethane	63	4.513	4.513	(0.716)	225552	100.000	106.017	
20	halothane	117	4.557	4.557	(0.723)	86930	100.000	98.971	
21	acrylonitrile	53	4.568	4.568	(0.725)	21505	100.000	91.536	
22	Ethyl-Tert-Butyl-Ether	59	4.720	4.720	(0.749)	288288	100.000	93.360	
23	vinyl acetate	43	4.748	4.748	(0.753)	192037	100.000	111.541	
24	cis-1,2-dichloroethene	96	5.037	5.037	(0.799)	126224	100.000	104.959	
25	2,2-dichloropropane	77	5.141	5.141	(0.816)	171316	100.000	95.298	
26	Cyclohexane	56	5.222	5.222	(0.829)	227788	100.000	103.377	
27	bromochloromethane	128	5.233	5.233	(0.830)	54903	100.000	104.316	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	28 chloroform	83	5.299	5.299	(0.841)	210004	100.000	106.312	
	29 Ethyl Acetate	43	5.408	5.408	(0.858)	62604	100.000	97.418	
	30 carbontetrachloride	117	5.435	5.435	(0.862)	172196	100.000	102.991	
$	32 dibromofluoromethane	113	5.484	5.484	(0.870)	181090	100.000	100.190	
	31 tetrahydrofuran	42	5.457	5.457	(0.866)	20613	100.000	92.963(M)	M1
	33 1,1,1-trichloroethane	97	5.506	5.506	(0.874)	195620	100.000	105.791	
	34 2-butanone	43	5.604	5.604	(0.889)	26551	100.000	86.849	
	35 1,1-dichloropropene	75	5.626	5.626	(0.893)	178313	100.000	112.682	
	36 benzene	78	5.877	5.877	(0.932)	476562	100.000	104.432	
	37 Tertiary-Amyl Methyl Ether	73	5.975	5.975	(0.948)	224671	100.000	91.721	
$	38 1,2-dichloroethane-d4	65	6.019	6.019	(0.955)	189987	100.000	99.401	
	39 1,2-dichloroethane	62	6.090	6.090	(0.966)	143396	100.000	104.958	
*	41 flourobenzene	96	6.303	6.303	(1.000)	693555	100.000		
	42 methyl cyclohexane	83	6.456	6.456	(1.024)	197946	100.000	100.889	
	43 trichloroethene	95	6.472	6.472	(1.027)	128637	100.000	105.212	
	45 dibromomethane	93	6.930	6.930	(1.100)	57928	100.000	103.417	
	46 1,2-dichloropropane	63	7.034	7.034	(1.116)	117865	100.000	103.790	
	47 bromodichloromethane	83	7.099	7.099	(1.126)	145233	100.000	101.484	
	49 1,4-Dioxane	88	7.312	7.312	(1.160)	22882	5000.00	4358.409	
	51 2-Chloroethylvinyl ether	63	7.721	7.721	(1.225)	46771	100.000	92.822(M)	M1
	52 cis-1,3-dichloropropene	75	7.792	7.792	(1.236)	170819	100.000	100.942	
$	53 toluene-d8	98	8.000	8.000	(0.811)	680883	100.000	100.503	
	54 toluene	92	8.060	8.060	(0.817)	326168	100.000	98.213	
	56 4-methyl-2-pentanone	58	8.502	8.502	(1.349)	20526	100.000	92.938	
	55 tetrachloroethene	166	8.502	8.502	(0.862)	133980	100.000	105.824	
	57 trans-1,3-dichloropropene	75	8.551	8.551	(0.867)	136661	100.000	99.136	
	59 ethyl-methacrylate	69	8.725	8.725	(0.885)	93797	100.000	94.962	
	60 1,1,2-trichloroethane	83	8.736	8.736	(0.886)	64187	100.000	104.663	
	61 chlorodibromomethane	129	8.949	8.949	(0.908)	94182	100.000	89.367	
	62 1,3-dichloropropane	76	9.064	9.064	(0.919)	139677	100.000	105.485	
	64 1,2-dibromoethane	107	9.233	9.233	(0.936)	75826	100.000	104.201	
	65 2-hexanone	43	9.511	9.511	(0.965)	38048	100.000	89.637	
*	66 chlorobenzene-d5	117	9.860	9.860	(1.000)	543458	100.000		
	67 chlorobenzene	112	9.877	9.877	(1.002)	337661	100.000	105.168	
	68 ethyl benzene	91	9.909	9.909	(1.005)	591903	100.000	104.810	
	69 1,1,1,2-tetrachloroethane	131	9.958	9.958	(1.010)	112162	100.000	103.065	
	70 p/m xylene	106	10.095	10.095	(1.024)	463015	200.000	215.186	
	71 o xylene	106	10.624	10.624	(1.077)	440256	200.000	216.665	
	72 styrene	104	10.690	10.690	(1.084)	707821	200.000	216.261	
	73 bromoform	173	10.717	10.717	(0.858)	45671	100.000	86.231	
	74 isopropylbenzene	105	10.990	10.990	(0.879)	572715	100.000	103.484	
$	75 4-bromofluorobenzene	95	11.312	11.312	(0.905)	265711	100.000	98.975	
	76 bromobenzene	156	11.421	11.421	(0.914)	127542	100.000	104.545	
	77 n-propylbenzene	91	11.454	11.454	(0.917)	659284	100.000	106.978	
	78 1,4-dichloro-2-butane	55	11.486	11.486	(0.919)	134277	100.000	101.627	
	79 1,1,2,2,-tetrachloroethane	83	11.546	11.546	(0.924)	74937	100.000	102.342	
	80 4-ethyltoluene	105	11.579	11.579	(0.927)	570702	100.000	103.595	
	82 2-chlorotoluene	91	11.623	11.623	(0.930)	391175	100.000	102.700	
	83 1,3,5-trimethybenzene	105	11.672	11.672	(0.934)	450089	100.000	103.463	
	84 1,2,3-trichloropropane	75	11.688	11.688	(0.935)	66623	100.000	104.997	
	85 trans-1,4-dichloro-2-butene	53	11.737	11.737	(0.939)	19722	100.000	83.599	
	87 4-chorotoluene	91	11.803	11.803	(0.945)	396807	100.000	103.607	
	88 tert-butylbenzene	119	12.010	12.010	(0.961)	388302	100.000	104.510	
	89 1,2,4-trimethylbenzene	105	12.086	12.086	(0.967)	451154	100.000	104.885	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
	90 sec-butylbenzene	105	12.196	12.196	(0.976)	528428	100.000	102.956	
	91 p-isopropyltoluene	119	12.343	12.343	(0.988)	450742	100.000	105.075	
	92 1,3-dichlorobenzene	146	12.419	12.419	(0.994)	242517	100.000	104.947	
*	93 1,4-dichlorobenzene-d4	152	12.496	12.496	(1.000)	259342	100.000		
	94 1,4-dichlorobenzene	146	12.512	12.512	(1.001)	246773	100.000	108.230	
	95 p-Diethylbenzene	119	12.709	12.709	(1.017)	245762	100.000	99.384	
	96 n-butylbenzene	91	12.769	12.769	(1.022)	370166	100.000	101.630	
	97 1,2-dichlorobenzene	146	12.932	12.932	(1.035)	208706	100.000	108.143	
	98 1,2,4,5-tetramethylbenzene	119	13.500	13.500	(1.080)	355361	100.000	98.531	
	99 1,2-dibromo-3-chloropropane	75	13.723	13.723	(1.098)	32626	100.000	102.682	
	100 1,3,5-trichlorobenzene	180	13.729	13.729	(1.099)	129756	100.000	101.053	
	101 hexachlorobutadiene	225	14.291	14.291	(1.144)	40960	100.000	104.228	
	102 1,2,4-trichlorobenzene	180	14.324	14.324	(1.146)	90767	100.000	107.962	
	103 naphthalene	128	14.624	14.624	(1.170)	137011	100.000	113.249	
	104 1,2,3-trichlorobenzene	180	14.787	14.787	(1.183)	54645	100.000	121.836	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa105.i
Lab File ID: 0215N16.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\liq8260B.m
Misc Info: wg,ical

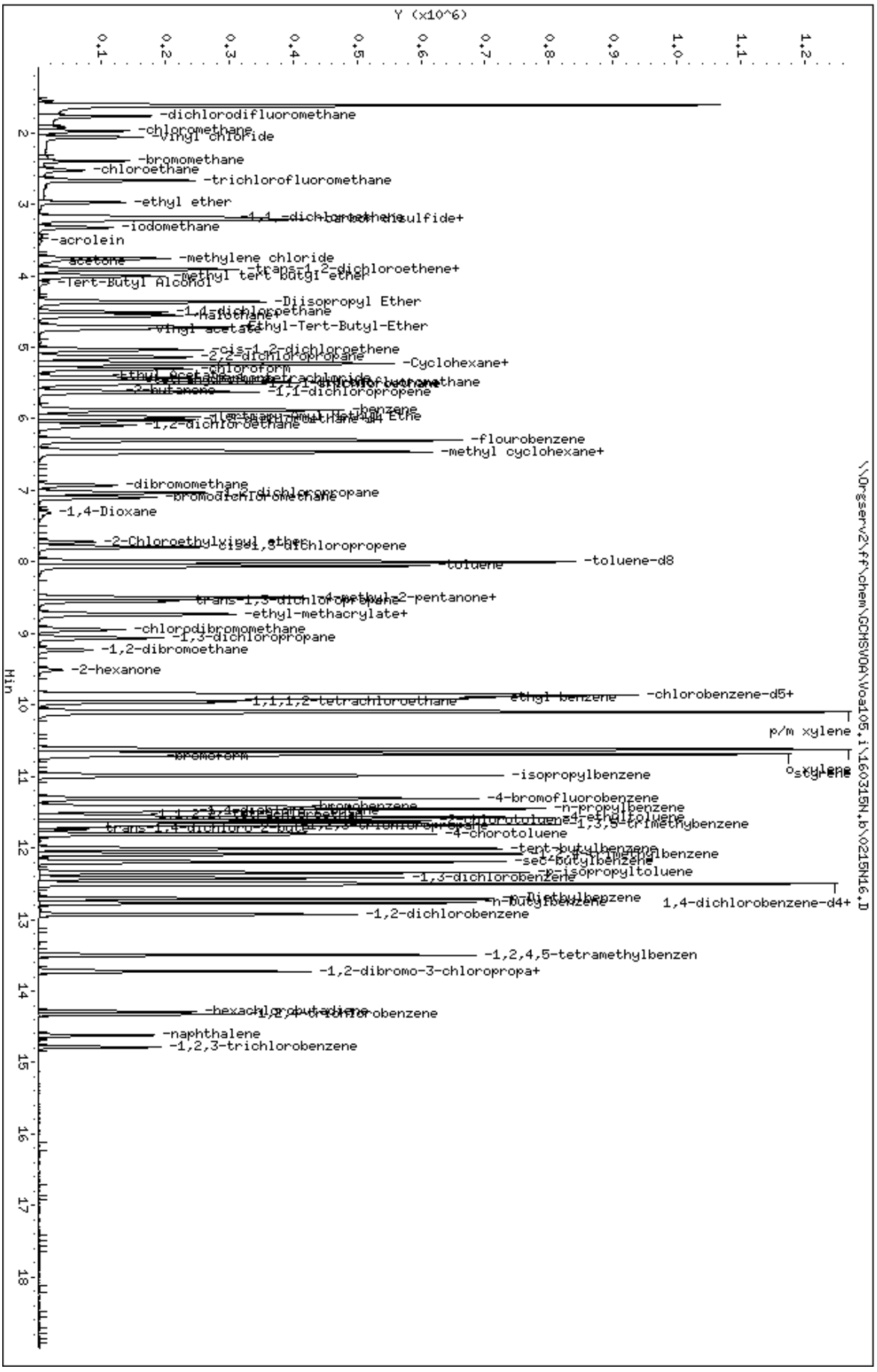
Calibration Date: 16-MAR-2016
Calibration Time: 02:47
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	714313	357157	1428626	693555	-2.91
66 chlorobenzene-d5	555225	277613	1110450	543458	-2.12
93 1,4-dichlorobenze	263012	131506	526024	259342	-1.40

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	6.30	5.80	6.80	6.30	0.00
66 chlorobenzene-d5	9.86	9.36	10.36	9.86	0.00
93 1,4-dichlorobenze	12.50	12.00	13.00	12.50	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Data File: \\Orgserv2\ff\chem\GCMSWOA\Woa105,i\160315N,b\0215N16.D
Date : 16-MAR-2016 03:11
Client ID:
Sample Info: ICV
Purge Volume: 10.0
Column phase:

Instrument: Woa105,i
Operator: PD
Column diameter: 0.18

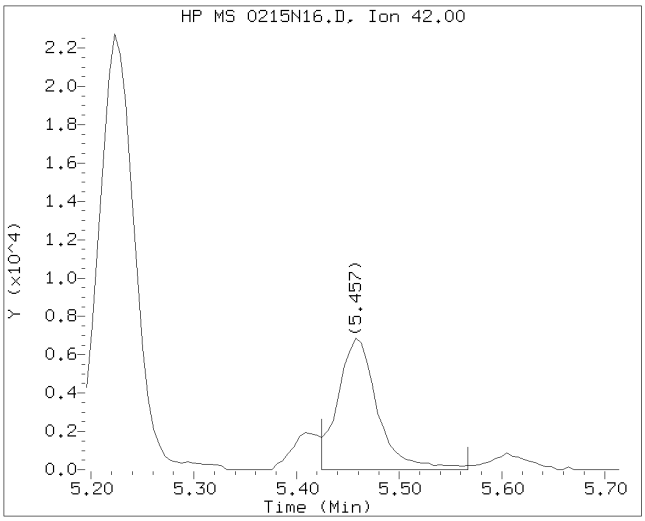
Alpha Analytical Labs

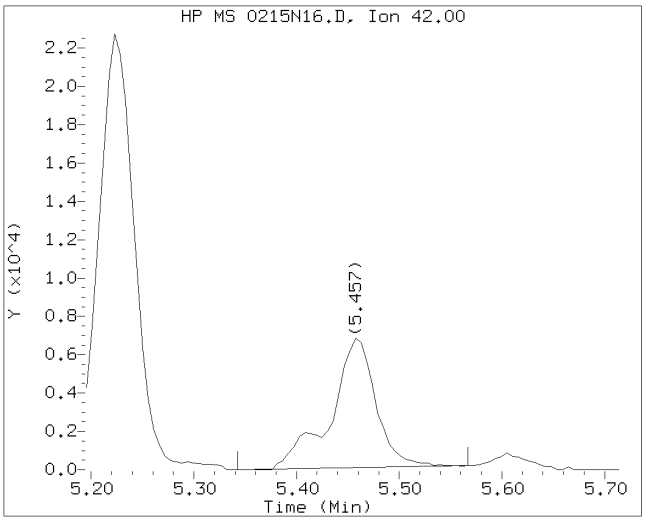
Manual Integration

Sample Info : ICV
wg,ical

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0215N16.D
Injection Date : 16-MAR-2016 03:11
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 31: tetrahydrofuran

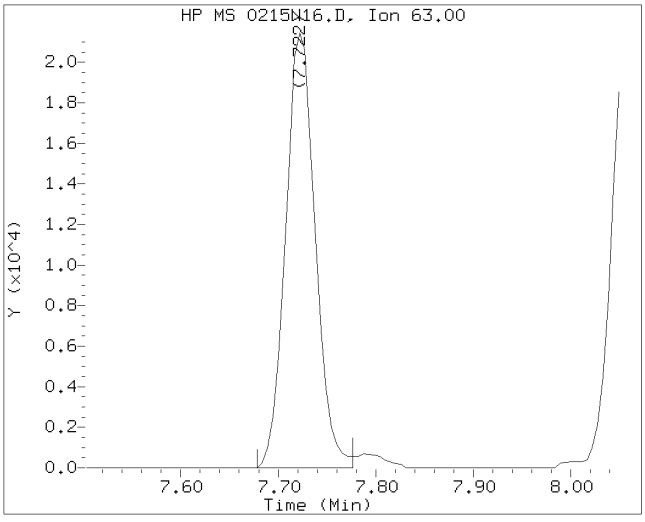


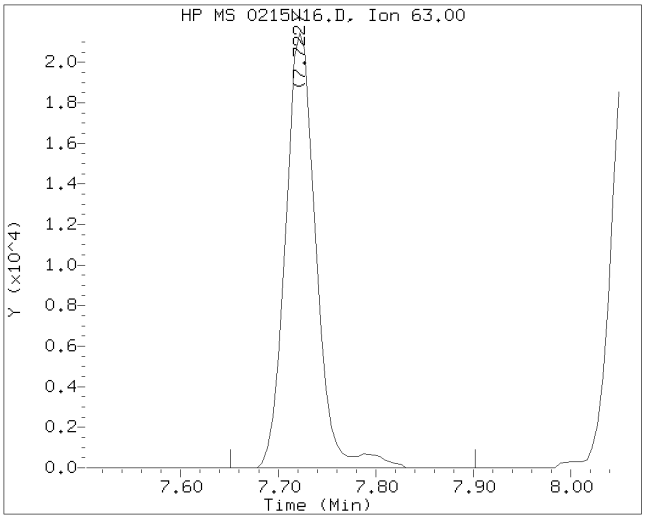


Original Peak Response = 18707 Manual Peak Response = 20613 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 51: 2-Chloroethylvinyl ether





Original Peak Response = 45397 Manual Peak Response = 46771 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Work Group

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Apr 06 2016, 03:29 pm

Work Group: WG878773 for Department: 31 GC/MS - Volatiles

Created: 30-MAR-16 Due: Operator: PD

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1607846-01	SW1A 20160316	S	8260	WATER	DONE	U	0330	0407	S0	Vial-B
L1607846-02	SW1B 20160316	S	8260	WATER	DONE	U	0330	0407	S0	Vial-B
L1607846-03	SW1C 20160316	S	8260	WATER	DONE	U	0330	0407	S0	Vial-B
L1607846-04	SW2A 20160316	S	8260	WATER	DONE	U	0330	0407	S0	Vial-B
L1607846-05	SW2C 20160316	S	8260	WATER	DONE	U	0330	0407	S0	Vial-B
L1607846-06	SW2B 20160316	S	8260	WATER	DONE	U	0330	0407	S0	Vial-B
L1607846-07	SW3A 20160316	S	8260	WATER	DONE	U	0330	0407	S0	Vial-B
L1607846-08	SW3B 20160316	S	8260	WATER	DONE	U	0330	0407	S0	Vial-B
L1607846-09	SW3C 20160316	S	8260	WATER	DONE	U	0330	0407	S0	Vial-B
L1607846-10	TRIP BLANK	S	8260	WATER	DONE	U	0330	0407	S0	Vial-B
WG878773-1	MS BFB Tune Standard	S	8260	WATER	DONE	U				
WG878773-2	Continuing Calibrati	S	8260	WATER	DONE	U				
WG878773-3	Laboratory Control S	S	8260	WATER	DONE	U				
WG878773-4	LCS Duplicate	S	8260	WATER	DONE	U				
WG878773-5	Laboratory Method Bl	S	8260	WATER	DONE	U				

Comments:

WG878773-4 WG878773-3

Sequence Logs

160315N **VOA105**

Inst: VOA105 BFB: V5532 Method GC: 8260
Initials: PK IS/SS: V5600 Autosampler: 8260water10ml
Date: **03/15/16** ICAL: V5609,V5602 Concentrator: 8260_test
Run: **N** ICV: V5547, V5595, V5573, V5582, V5594 QC:_____ Seq:_____

Vial	Data File	Sample	obs
1	BFB0215N	BFB TUNE	
1	0215N01	BLK	
2	0215N02	ICAL L11	
3	0215N03	ICAL L1	
4	0215N04	ICAL L2	
5	0215N05	ICAL L3	
6	0215N06	ICAL L4	
7	0215N07	ICAL L6	
8	0215N08	ICAL L8	
9	0215N09	ICAL L10	
10	0215N10	BLK	
11	0215N11	BLK	
12	0215N12	BLK	
13	0215N13	BLK	
14	0215N14	BLK	
15	0215N15	ICV	
16	0215N16	ICV	
17	0215N17	BLK	

Inst: VOA105 BFB: V5610 Method GC: 8260
Initials: PD IS/SS: V5619 Autosampler: 8260water10ml
Date: **03/29/16** ICAL: V5609,V5602 Concentrator: 8260_test
Run: **A** ICV: V5547, V5595, V5573, V5582, V5594 QC:_____ Seq:_____

Vial	Data File	Sample			obs
1	BFB0329A	BFB TUNE 08:47			
1	0329A01	8260 CCAL			
2	0329A02	8260 CCAL LCS			
3	0329A03	8260 CCAL LCSD			
4	0329A04	BLK			
5	0329A05	METHOD BLK			
6	0329A06	I1608005-02,31,10,,c	NJ/15/TBA	CONF RUN	pH<2
7	0329A07	I1607535-09,31,10,,c	NJ/15/TBA		pH<2
8	0329A08	I1607846-01,31,10,,a	8260ANCHOR		pH<2
9	0329A09	I1607846-02,31,10,,a	8260ANCHOR		pH<2
10	0329A10	I1607846-03,31,10,,a	8260ANCHOR		pH<2
11	0329A11	I1607846-04,31,10,,a	8260ANCHOR		pH<2
12	0329A12	I1607846-05,31,10,,a	8260ANCHOR		pH<2
13	0329A13	I1607846-06,31,10,,a	8260ANCHOR		pH<2
14	0329A14	I1607846-07,31,10,,a	8260ANCHOR		pH<2
15	0329A15	I1607846-08,31,10,,a	8260ANCHOR		pH<2
16	0329A16	I1607846-09,31,10,,a	8260ANCHOR		pH<2
17	0329A17	I1607846-10,31,10,,a	8260ANCHOR		pH<2
18	0329A18	I1608732-05,31,10,,a	NJ/15		pH<2
19	0329A19	I1608732-06,31,10,,a	NJ/15		pH<2
20	0329A20	I1608732-01D,31,0.4,,a	NJ/15		pH<2
21	0329A21	I1608732-02,31,10,,a	NJ/15		pH<2
22	0329A22	I1608732-03D,31,5,,a	NJ/15		pH<2
23	0329A23	I1608732-04,31,10,,a	NJ/15		pH<2

Analytical Event

Continuing Calibration
BFB Tune

Alpha Analytical Labs

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\BFB0329A.D
Lab Smp Id:
Inj Date : 29-MAR-2016 08:47
Operator : PD Inst ID: Voa105.i
Smp Info : wg878773-1, bfb
Misc Info : wg878773
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\bfb.m
Meth Date : 07-Apr-2014 23:37 pduczmalew Quant Type: ISTD
Cal Date : 22-JUN-1994 11:13 Cal File: 622c0101001.d
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.341	3.485	(0.000)	95	148992			100.00- 100.00	100.00
3.341	3.485	(0.000)	50	34976			15.00- 40.00	23.48
3.341	3.485	(0.000)	75	79584			30.00- 60.00	53.41
3.341	3.485	(0.000)	96	9768			5.00- 9.00	6.56
3.341	3.485	(0.000)	173	590			0.00- 2.00	0.64
3.341	3.485	(0.000)	174	92576			50.00- 100.00	62.13
3.341	3.485	(0.000)	175	6586			5.00- 9.00	7.11
3.341	3.485	(0.000)	176	89400			95.00- 101.00	96.57
3.341	3.485	(0.000)	177	5654			5.00- 9.00	6.32

Alpha Analytical Labs

TARGET COMPOUNDS

Client Name: Client SDG: SDGa21992
Lab Smp Id:
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: bfb Level: LOW
Data Type: MS DATA Operator: PD
Misc Info: wg878773

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
460-00-4	--------bfb	0.0	

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\BFB0329A.D

Date : 29-MAR-2016 08:47

Client ID:

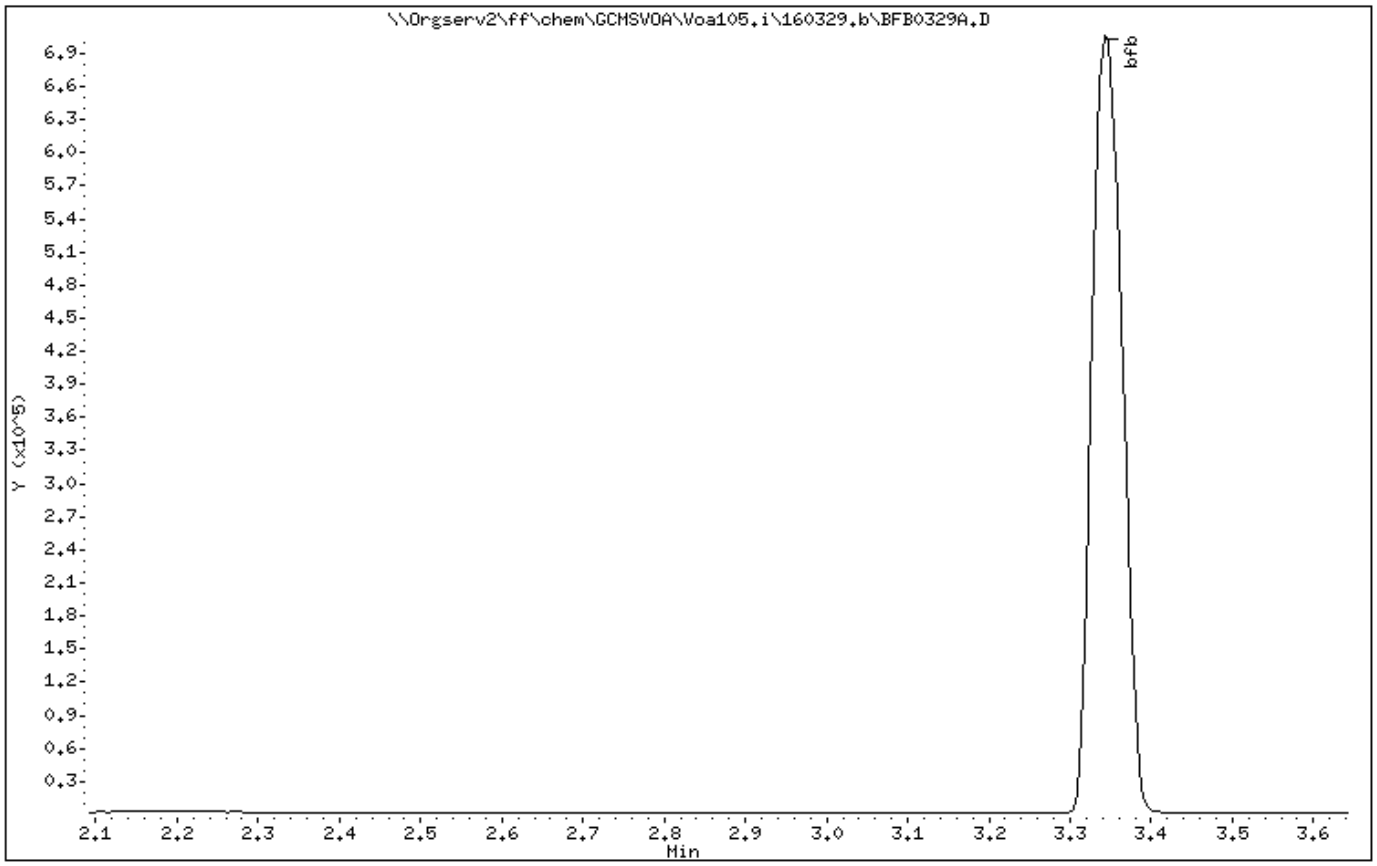
Instrument: Voa105.i

Sample Info: wg878773-1, bfb

Operator: PD

Column phase:

Column diameter: 2.00



Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\BFB0329A.D

Date : 29-MAR-2016 08:47

Client ID:

Instrument: Voa105.i

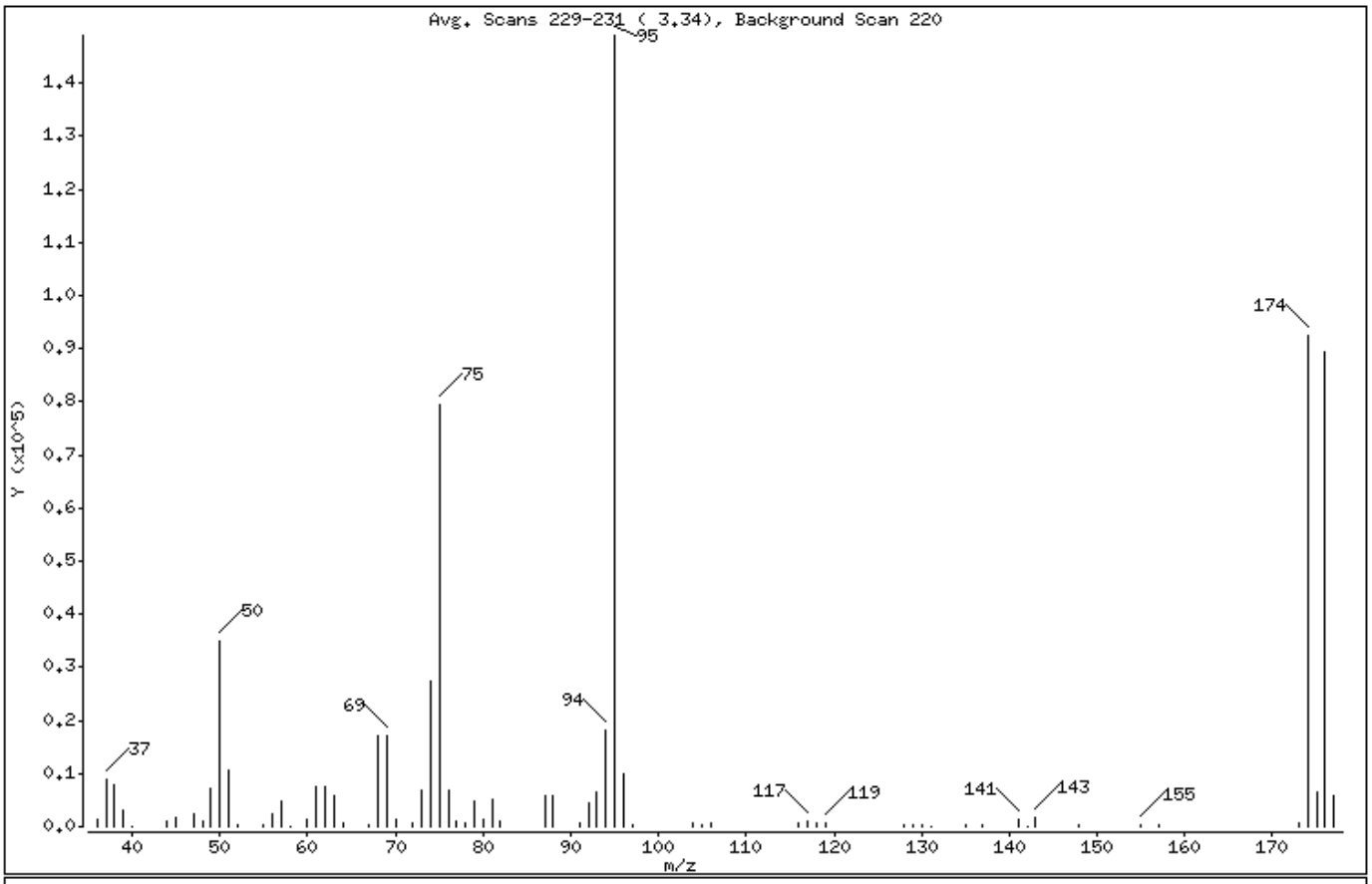
Sample Info: wg878773-1, bfb

Operator: PD

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.48
75	30.00 - 60.00% of mass 95	53.41
96	5.00 - 9.00% of mass 95	6.56
173	Less than 2.00% of mass 174	0.40 (0.64)
174	50.00 - 100.00% of mass 95	62.13
175	5.00 - 9.00% of mass 174	4.42 (7.11)
176	95.00 - 101.00% of mass 174	60.00 (96.57)
177	5.00 - 9.00% of mass 176	3.79 (6.32)

Date : 29-MAR-2016 08:47

Client ID: Instrument: Voa105.i

Sample Info: wg878773-1, bfb

Operator: PD

Column phase: Column diameter: 2.00

Data File: BFB0329A.D
Spectrum: Avg. Scans 229-231 (3.34), Background Scan 220
Location of Maximum: 95.00
Number of points: 70

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1448	61.00	7702	82.00	1090	129.00	177
37.00	8859	62.00	7684	87.00	5760	130.00	505
38.00	8009	63.00	5886	88.00	5686	131.00	138
39.00	3217	64.00	533	91.00	570	135.00	325
40.00	154	67.00	360	92.00	4379	137.00	280
44.00	975	68.00	17024	93.00	6456	141.00	1447
45.00	1559	69.00	17032	94.00	18192	142.00	73
47.00	2231	70.00	1326	95.00	148992	143.00	1581
48.00	944	72.00	789	96.00	9768	148.00	336
49.00	7226	73.00	6956	97.00	240	155.00	290
50.00	34976	74.00	27488	104.00	660	157.00	248
51.00	10671	75.00	79584	105.00	243	173.00	590
52.00	443	76.00	6827	106.00	703	174.00	92576
55.00	396	77.00	860	116.00	578	175.00	6586
56.00	2522	78.00	585	117.00	948	176.00	89400
57.00	4733	79.00	4894	118.00	577	177.00	5654
58.00	80	80.00	1337	119.00	826		
60.00	1355	81.00	5175	128.00	506		

Continuing Calibration

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Voa105.i Injection Date: 29-MAR-2016 09:24
Lab File ID: 0329A02.D Init. Cal. Date(s): 15-MAR-2016 16-MAR-2016
Analysis Type: WATER Init. Cal. Times: 21:46 00:29
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 dichlorodifluoromethane	0.16439	0.17071	0.17071	0.050	3.84731	20.00000	Averaged	
2 chloromethane	0.14598	0.17564	0.17564	0.050	20.32199	20.00000	Averaged	<-
3 vinyl chloride	0.16695	0.21535	0.21535	0.050	28.99226	20.00000	Averaged	<-
4 bromomethane	100	115	0.08764	0.050	14.78991	20.00000	Wt Linear	
5 chloroethane	0.07164	0.13048	0.13048	0.050	82.12480	20.00000	Averaged	<-
6 trichlorofluoromethane	0.22086	0.29799	0.29799	0.050	34.92473	20.00000	Averaged	<-
7 ethyl ether	0.07380	0.08391	0.08391	0.050	13.70522	20.00000	Averaged	
8 1,1,-dichloroethene	0.14346	0.15071	0.15071	0.050	5.05819	20.00000	Averaged	
9 carbon disulfide	0.43837	0.47081	0.47081	0.050	7.40079	20.00000	Averaged	
10 freon-113	0.15541	0.16258	0.16258	0.050	4.61355	20.00000	Averaged	
12 acrolein	0.01482	0.01631	0.01631	0.050	10.09611	20.00000	Averaged	<-
11 methylene chloride	0.14328	0.16558	0.16558	0.050	15.56566	20.00000	Averaged	
13 acetone	100	92.67858	0.02814	0.050	-7.32142	20.00000	Wt Linear	<-
14 trans-1,2-dichloroethene	0.15909	0.16902	0.16902	0.050	6.23818	20.00000	Averaged	
15 Methyl Acetate	0.06348	0.07697	0.07697	0.050	21.24785	20.00000	Averaged	<-
16 methyl tert butyl ether	0.32372	0.32024	0.32024	0.050	-1.07390	20.00000	Averaged	
17 Tert-Butyl Alcohol	0.00612	0.00549	0.00549	0.050	-10.21320	20.00000	Averaged	<-
18 Diisopropyl Ether	0.54371	0.66750	0.66750	0.050	22.76766	20.00000	Averaged	<-
19 1,1-dichloroethane	0.30675	0.36776	0.36776	0.050	19.89017	20.00000	Averaged	
20 halothane	0.12664	0.12186	0.12186	0.050	-3.77511	20.00000	Averaged	
21 acrylonitrile	0.03387	0.04057	0.04057	0.050	19.76807	20.00000	Averaged	<-
22 Ethyl-Tert-Butyl-Ether	0.44523	0.46298	0.46298	0.050	3.98722	20.00000	Averaged	
23 vinyl acetate	0.24824	0.34572	0.34572	0.050	39.26812	20.00000	Averaged	<-
24 cis-1,2-dichloroethene	0.17340	0.18628	0.18628	0.050	7.42788	20.00000	Averaged	
25 2,2-dichloropropane	0.25920	0.24428	0.24428	0.050	-5.75687	20.00000	Averaged	
26 Cyclohexane	0.31771	0.36384	0.36384	0.050	14.51991	20.00000	Averaged	
27 bromochloromethane	0.07589	0.07357	0.07357	0.050	-3.04571	20.00000	Averaged	
28 chloroform	0.28481	0.32813	0.32813	0.050	15.21005	20.00000	Averaged	
29 Ethyl Acetate	0.09266	0.11073	0.11073	0.050	19.50989	20.00000	Averaged	
30 carbontetrachloride	0.24107	0.22979	0.22979	0.050	-4.67709	20.00000	Averaged	
$ 32 dibromofluoromethane	0.26061	0.25609	0.25609	0.050	-1.73161	20.00000	Averaged	
31 tetrahydrofuran	0.03197	0.03977	0.03977	0.050	24.39090	20.00000	Averaged	<-
33 1,1,1-trichloroethane	0.26661	0.27803	0.27803	0.050	4.28224	20.00000	Averaged	
34 2-butanone	0.04408	0.05206	0.05206	0.050	18.10746	20.00000	Averaged	<-
35 1,1-dichloropropene	0.22816	0.25530	0.25530	0.050	11.89351	20.00000	Averaged	
36 benzene	0.65796	0.73404	0.73404	0.050	11.56195	20.00000	Averaged	
37 Tertiary-Amyl Methyl Ether	0.35318	0.31919	0.31919	0.050	-9.62308	20.00000	Averaged	
$ 38 1,2-dichloroethane-d4	0.27558	0.30998	0.30998	0.050	12.48421	20.00000	Averaged	
39 1,2-dichloroethane	0.19699	0.24090	0.24090	0.050	22.29391	20.00000	Averaged	<-
42 methyl cyclohexane	0.28289	0.29328	0.29328	0.050	3.67125	20.00000	Averaged	
43 trichloroethene	0.17629	0.19214	0.19214	0.050	8.99485	20.00000	Averaged	
45 dibromomethane	0.08076	0.08859	0.08859	0.050	9.69460	20.00000	Averaged	
46 1,2-dichloropropane	0.16374	0.19372	0.19372	0.050	18.30835	20.00000	Averaged	

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Voa105.i Injection Date: 29-MAR-2016 09:24
Lab File ID: 0329A02.D Init. Cal. Date(s): 15-MAR-2016 16-MAR-2016
Analysis Type: WATER Init. Cal. Times: 21:46 00:29
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
47 bromodichloromethane	0.20634	0.22466	0.22466	0.050	8.87921	20.00000	Averaged	
49 1,4-Dioxane	0.00076	0.00084	0.00084	0.050	10.82319	20.00000	Averaged	<-
51 2-Chloroethylvinyl ether	0.07265	0.07820	0.07820	0.050	7.64177	20.00000	Averaged	
52 cis-1,3-dichloropropene	0.24399	0.25160	0.25160	0.050	3.11803	20.00000	Averaged	
$ 53 toluene-d8	1.24660	1.31938	1.31938	0.050	5.83846	20.00000	Averaged	
54 toluene	0.61109	0.60778	0.60778	0.050	-0.54157	20.00000	Averaged	
56 4-methyl-2-pentanone	0.03184	0.03239	0.03239	0.050	1.72468	20.00000	Averaged	<-
55 tetrachloroethene	0.23296	0.22077	0.22077	0.050	-5.23377	20.00000	Averaged	
57 trans-1,3-dichloropropene	0.25366	0.26918	0.26918	0.050	6.12067	20.00000	Averaged	
59 ethyl-methacrylate	0.18175	0.18667	0.18667	0.050	2.70870	20.00000	Averaged	
60 1,1,2-trichloroethane	0.11285	0.13508	0.13508	0.050	19.70414	20.00000	Averaged	
61 chlorodibromomethane	100	87.90287	0.17033	0.050	-12.09713	20.00000	Wt Linear	
62 1,3-dichloropropane	0.24365	0.29576	0.29576	0.050	21.38637	20.00000	Averaged	<-
64 1,2-dibromoethane	0.13390	0.14563	0.14563	0.050	8.76080	20.00000	Averaged	
65 2-hexanone	0.07810	0.08144	0.08144	0.050	4.26632	20.00000	Averaged	
67 chlorobenzene	0.59078	0.65336	0.65336	0.050	10.59113	20.00000	Averaged	
68 ethyl benzene	1.03915	1.20525	1.20525	0.050	15.98360	20.00000	Averaged	
69 1,1,1,2-tetrachloroethane	0.20025	0.19933	0.19933	0.050	-0.45643	20.00000	Averaged	
70 p/m xylene	0.39593	0.44576	0.44576	0.050	12.58726	20.00000	Averaged	
71 o xylene	0.37389	0.42088	0.42088	0.050	12.56760	20.00000	Averaged	
72 styrene	0.60225	0.68450	0.68450	0.050	13.65635	20.00000	Averaged	
73 bromoform	100	82.60101	0.16833	0.050	-17.39899	20.00000	Wt Linear	
74 isopropylbenzene	2.13397	2.50588	2.50588	0.050	17.42801	20.00000	Averaged	
$ 75 4-bromofluorobenzene	1.03516	1.14118	1.14118	0.050	10.24184	20.00000	Averaged	
76 bromobenzene	0.47041	0.50220	0.50220	0.050	6.75845	20.00000	Averaged	
77 n-propylbenzene	2.37631	3.00150	3.00150	0.050	26.30944	20.00000	Averaged	<-
78 1,4-dichloro-2-butane	0.50947	0.70088	0.70088	0.050	37.57109	20.00000	Averaged	<-
79 1,1,2,2,-tetrachloroethane	0.28234	0.36417	0.36417	0.050	28.98438	20.00000	Averaged	<-
80 4-ethyltoluene	2.12420	2.53225	2.53225	0.050	19.20933	20.00000	Averaged	
82 2-chlorotoluene	1.46867	1.83319	1.83319	0.050	24.81979	20.00000	Averaged	<-
83 1,3,5-trimethybenzene	1.67740	1.97756	1.97756	0.050	17.89457	20.00000	Averaged	
84 1,2,3-trichloropropane	0.24466	0.32601	0.32601	0.050	33.24993	20.00000	Averaged	<-
85 trans-1,4-dichloro-2-butene	0.09096	0.10369	0.10369	0.050	13.98708	20.00000	Averaged	
87 4-chorotoluene	1.47678	1.81755	1.81755	0.050	23.07508	20.00000	Averaged	<-
88 tert-butylbenzene	1.43264	1.61008	1.61008	0.050	12.38577	20.00000	Averaged	
89 1,2,4-trimethylbenzene	1.65858	1.96393	1.96393	0.050	18.41031	20.00000	Averaged	
90 sec-butylbenzene	1.97906	2.34285	2.34285	0.050	18.38176	20.00000	Averaged	
91 p-isopropyltoluene	1.65407	1.86705	1.86705	0.050	12.87644	20.00000	Averaged	
92 1,3-dichlorobenzene	0.89104	0.96134	0.96134	0.050	7.89062	20.00000	Averaged	
94 1,4-dichlorobenzene	0.87917	0.97251	0.97251	0.050	10.61671	20.00000	Averaged	
95 p-Diethylbenzene	0.95351	1.06044	1.06044	0.050	11.21498	20.00000	Averaged	
96 n-butylbenzene	1.40443	1.77079	1.77079	0.050	26.08586	20.00000	Averaged	<-

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Voa105.i Injection Date: 29-MAR-2016 09:24
Lab File ID: 0329A02.D Init. Cal. Date(s): 15-MAR-2016 16-MAR-2016
Analysis Type: WATER Init. Cal. Times: 21:46 00:29
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
97 1,2-dichlorobenzene	0.74415	0.81394	0.81394	0.050	9.37825	20.00000	Averaged	
98 1,2,4,5-tetramethylbenzene	1.39066	1.48585	1.48585	0.050	6.84514	20.00000	Averaged	
99 1,2-dibromo-3-chloropropane	0.12252	0.15765	0.15765	0.050	28.67974	20.00000	Averaged	<-
100 1,3,5-trichlorobenzene	0.49511	0.48865	0.48865	0.050	-1.30425	20.00000	Averaged	
101 hexachlorobutadiene	0.15153	0.14622	0.14622	0.050	-3.50438	20.00000	Averaged	
102 1,2,4-trichlorobenzene	0.32418	0.31069	0.31069	0.050	-4.15977	20.00000	Averaged	
103 naphthalene	0.46650	0.47307	0.47307	0.050	1.40891	20.00000	Averaged	
104 1,2,3-trichlorobenzene	0.17294	0.17291	0.17291	0.050	-0.01774	20.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 13.53712
Maximun Average %D/Drift = 20.00000
* Passed Average %D/Drift Test.

Alpha Analytical Labs

gc/ms voa - VOA105

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D
Lab Smp Id:
Inj Date : 29-MAR-2016 09:24
Operator : PD Inst ID: Voa105.i
Smp Info : wg878773-2, ccal
Misc Info : wg878773,ical12154
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Meth Date : 30-Mar-2016 12:32 Voa105.i Quant Type: ISTD
Cal Date : 16-MAR-2016 00:29 Cal File: 0215N09.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
1	dichlorodifluoromethane	85	1.774	1.774	(0.281)	81549	100.000	103.847	
2	chloromethane	50	1.976	1.976	(0.314)	83904	100.000	120.321(M)	M1
3	vinyl chloride	62	2.063	2.063	(0.327)	102873	100.000	128.992	
4	bromomethane	94	2.401	2.401	(0.381)	41866	100.000	114.789(M)	M1
5	chloroethane	64	2.527	2.527	(0.401)	62328	100.000	182.124(M)	M1
6	trichlorofluoromethane	101	2.669	2.669	(0.423)	142348	100.000	134.924	
7	ethyl ether	74	2.980	2.980	(0.473)	40084	100.000	113.705	
8	1,1,-dichloroethene	96	3.181	3.181	(0.505)	71995	100.000	105.058	
9	carbon disulfide	76	3.214	3.214	(0.510)	224903	100.000	107.400	
10	freon-113	101	3.220	3.220	(0.511)	77663	100.000	104.613	
12	acrolein	56	3.520	3.520	(0.559)	7792	100.000	110.096(M)	M2
11	methylene chloride	84	3.760	3.760	(0.597)	79095	100.000	115.565	
13	acetone	43	3.803	3.803	(0.604)	13440	100.000	92.678	
14	trans-1,2-dichloroethene	96	3.913	3.913	(0.621)	80739	100.000	106.238	
15	Methyl Acetate	43	3.924	3.924	(0.623)	36769	100.000	121.247(M)	M1
16	methyl tert butyl ether	73	4.005	4.005	(0.636)	152978	100.000	98.926	
17	Tert-Butyl Alcohol	59	4.104	4.104	(0.651)	13119	500.000	448.934	
18	Diisopropyl Ether	45	4.365	4.365	(0.693)	318859	100.000	122.767(M)	M1
19	1,1-dichloroethane	63	4.513	4.513	(0.716)	175678	100.000	119.890	
20	halothane	117	4.556	4.556	(0.723)	58212	100.000	96.224	
21	acrylonitrile	53	4.567	4.567	(0.725)	19380	100.000	119.768	
22	Ethyl-Tert-Butyl-Ether	59	4.720	4.720	(0.749)	221162	100.000	103.987	
23	vinyl acetate	43	4.747	4.747	(0.753)	165146	100.000	139.268	
24	cis-1,2-dichloroethene	96	5.037	5.037	(0.799)	88982	100.000	107.427	
25	2,2-dichloropropane	77	5.140	5.140	(0.816)	116689	100.000	94.243	
26	Cyclohexane	56	5.228	5.228	(0.829)	173801	100.000	114.519	
27	bromochloromethane	128	5.233	5.233	(0.830)	35146	100.000	96.954	
28	chloroform	83	5.304	5.304	(0.842)	156747	100.000	115.210	

			QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
	29	Ethyl Acetate	43	5.408	5.408	(0.858)	52897	100.000	119.509(M)	M1
	30	carbontetrachloride	117	5.435	5.435	(0.862)	109770	100.000	95.322	
$	32	dibromofluoromethane	113	5.484	5.484	(0.870)	122334	100.000	98.268	
	31	tetrahydrofuran	42	5.457	5.457	(0.866)	18997	100.000	124.390(M)	M1
	33	1,1,1-trichloroethane	97	5.506	5.506	(0.874)	132812	100.000	104.282	
	34	2-butanone	43	5.604	5.604	(0.889)	24869	100.000	118.107	
	35	1,1-dichloropropene	75	5.626	5.626	(0.893)	121954	100.000	111.893	
	36	benzene	78	5.877	5.877	(0.932)	350642	100.000	111.561	
	37	Tertiary-Amyl Methyl Ether	73	5.975	5.975	(0.948)	152476	100.000	90.376	
$	38	1,2-dichloroethane-d4	65	6.024	6.024	(0.956)	148077	100.000	112.484	
	39	1,2-dichloroethane	62	6.090	6.090	(0.966)	115077	100.000	122.293	
*	41	flourobenzene	96	6.303	6.303	(1.000)	477691	100.000		
	42	methyl cyclohexane	83	6.455	6.455	(1.024)	140096	100.000	103.671	
	43	trichloroethene	95	6.472	6.472	(1.027)	91785	100.000	108.994	
	45	dibromomethane	93	6.930	6.930	(1.100)	42320	100.000	109.694	
	46	1,2-dichloropropane	63	7.034	7.034	(1.116)	92536	100.000	118.308	
	47	bromodichloromethane	83	7.099	7.099	(1.126)	107319	100.000	108.879	
	49	1,4-Dioxane	88	7.317	7.317	(1.161)	20037	5000.00	5541.159	
	51	2-Chloroethylvinyl ether	63	7.721	7.721	(1.225)	37357	100.000	107.641(M)	M1
	52	cis-1,3-dichloropropene	75	7.792	7.792	(1.236)	120188	100.000	103.118	
$	53	toluene-d8	98	7.999	7.999	(0.812)	465430	100.000	105.838	
	54	toluene	92	8.059	8.059	(0.818)	214404	100.000	99.458	
	56	4-methyl-2-pentanone	58	8.501	8.501	(1.349)	15474	100.000	101.724	
	55	tetrachloroethene	166	8.501	8.501	(0.863)	77880	100.000	94.766	
	57	trans-1,3-dichloropropene	75	8.551	8.551	(0.868)	94958	100.000	106.120	
	59	ethyl-methacrylate	69	8.725	8.725	(0.885)	65851	100.000	102.708	
	60	1,1,2-trichloroethane	83	8.736	8.736	(0.887)	47652	100.000	119.704	
	61	chlorodibromomethane	129	8.949	8.949	(0.908)	60088	100.000	87.902	
	62	1,3-dichloropropane	76	9.063	9.063	(0.920)	104333	100.000	121.386	
	64	1,2-dibromoethane	107	9.233	9.233	(0.937)	51373	100.000	108.760	
	65	2-hexanone	43	9.511	9.511	(0.965)	28728	100.000	104.266	
*	66	chlorobenzene-d5	117	9.855	9.855	(1.000)	352765	100.000		
	67	chlorobenzene	112	9.882	9.882	(1.003)	230481	100.000	110.591	
	68	ethyl benzene	91	9.909	9.909	(1.006)	425169	100.000	115.983	
	69	1,1,1,2-tetrachloroethane	131	9.958	9.958	(1.011)	70318	100.000	99.543	
	70	p/m xylene	106	10.095	10.095	(1.024)	314498	200.000	225.174	
	71	o xylene	106	10.619	10.619	(1.078)	296946	200.000	225.135	
	72	styrene	104	10.684	10.684	(1.084)	482933	200.000	227.312	
	73	bromoform	173	10.717	10.717	(0.858)	26267	100.000	82.601	
	74	isopropylbenzene	105	10.990	10.990	(0.879)	391030	100.000	117.428	
$	75	4-bromofluorobenzene	95	11.311	11.311	(0.905)	178076	100.000	110.241	
	76	bromobenzene	156	11.421	11.421	(0.914)	78366	100.000	106.758	
	77	n-propylbenzene	91	11.453	11.453	(0.917)	468369	100.000	126.309	
	78	1,4-dichloro-2-butane	55	11.486	11.486	(0.919)	109369	100.000	137.571	
	79	1,1,2,2,-tetrachloroethane	83	11.546	11.546	(0.924)	56827	100.000	128.984	
	80	4-ethyltoluene	105	11.579	11.579	(0.927)	395145	100.000	119.209	
	82	2-chlorotoluene	91	11.622	11.622	(0.930)	286060	100.000	124.819	
	83	1,3,5-trimethybenzene	105	11.672	11.672	(0.934)	308589	100.000	117.894	
	84	1,2,3-trichloropropane	75	11.688	11.688	(0.935)	50873	100.000	133.249	
	85	trans-1,4-dichloro-2-butene	53	11.737	11.737	(0.939)	16180	100.000	113.987	
	87	4-chorotoluene	91	11.803	11.803	(0.945)	283620	100.000	123.075(M)	M1
	88	tert-butylbenzene	119	12.010	12.010	(0.961)	251245	100.000	112.385	
	89	1,2,4-trimethylbenzene	105	12.086	12.086	(0.967)	306462	100.000	118.410	
	90	sec-butylbenzene	105	12.195	12.195	(0.976)	365590	100.000	118.381	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ngs)	AMOUNTS ON-COL (ngs)	REVIEW CODE
91	p-isopropyltoluene	119	12.343	12.343	(0.988)	291344	100.000	112.876	
92	1,3-dichlorobenzene	146	12.419	12.419	(0.994)	150013	100.000	107.890	
* 93	1,4-dichlorobenzene-d4	152	12.495	12.495	(1.000)	156045	100.000		
94	1,4-dichlorobenzene	146	12.512	12.512	(1.001)	151756	100.000	110.616	
95	p-Diethylbenzene	119	12.714	12.714	(1.017)	165477	100.000	111.214	
96	n-butylbenzene	91	12.768	12.768	(1.022)	276323	100.000	126.085	
97	1,2-dichlorobenzene	146	12.932	12.932	(1.035)	127011	100.000	109.378	
98	1,2,4,5-tetramethylbenzene	119	13.499	13.499	(1.080)	231860	100.000	106.845	
99	1,2-dibromo-3-chloropropane	75	13.723	13.723	(1.098)	24601	100.000	128.679	
100	1,3,5-trichlorobenzene	180	13.729	13.729	(1.099)	76252	100.000	98.695	
101	hexachlorobutadiene	225	14.291	14.291	(1.144)	22817	100.000	96.495	
102	1,2,4-trichlorobenzene	180	14.323	14.323	(1.146)	48482	100.000	95.840	
103	naphthalene	128	14.623	14.623	(1.170)	73820	100.000	101.408	
104	1,2,3-trichlorobenzene	180	14.787	14.787	(1.183)	26982	100.000	99.982	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa105.i
Lab File ID: 0329A02.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Misc Info: wg878773,ical12154

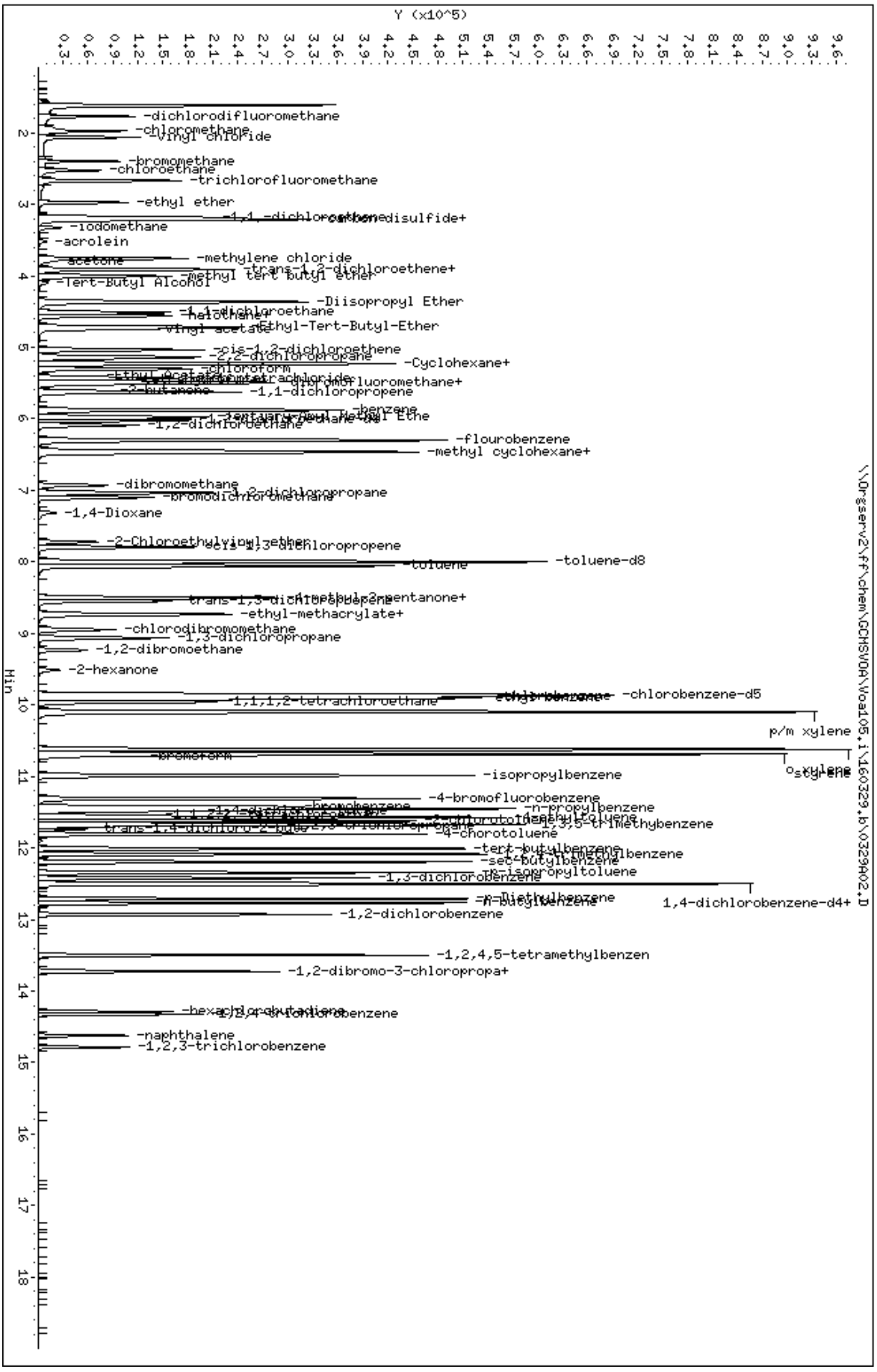
Calibration Date: 29-MAR-2016
Calibration Time: 09:01
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	714313	357157	1428626	477691	-33.13
66 chlorobenzene-d5	555225	277613	1110450	352765	-36.46
93 1,4-dichlorobenze	263012	131506	526024	156045	-40.67

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Data File: \\Orgserv2\ff\chem\GCHSVOA\Voa105,i\160329,b\0329A02.D
Date : 29-MAR-2016 09:24
Client ID:
Sample Info: ug878773-2, ccal
Purge Volume: 10.0
Column phase:

Instrument: Voa105,i
Operator: PD
Column diameter: 0.18

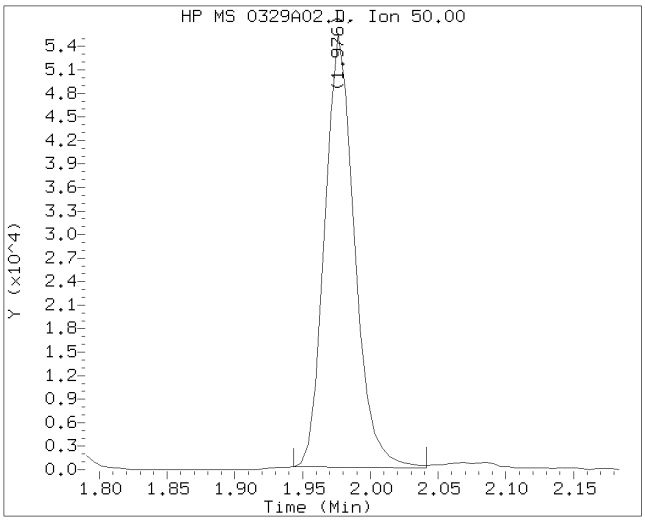
Alpha Analytical Labs

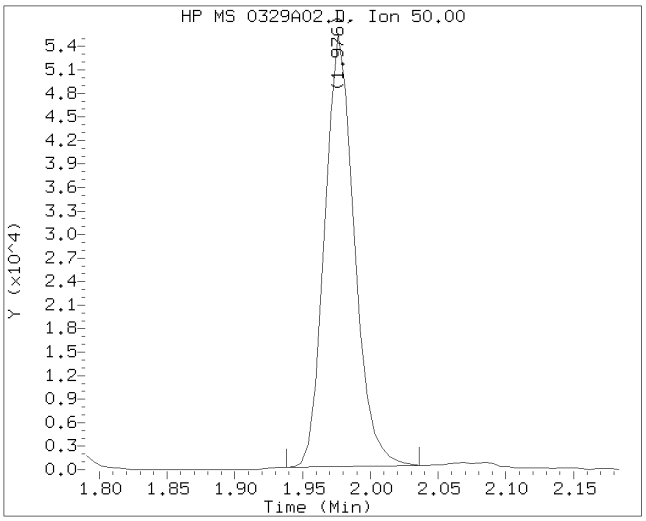
Manual Integration

Sample Info : wg878773-2, ccal
wg878773,ical12154

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0329A02.D
Injection Date : 29-MAR-2016 09:24
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 2: chloromethane

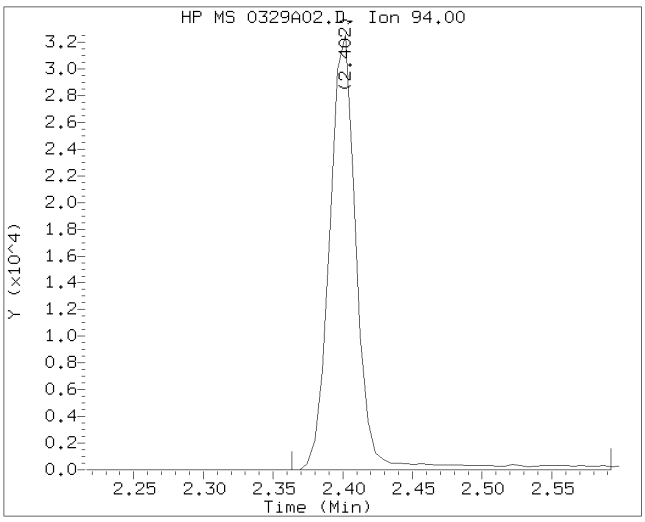


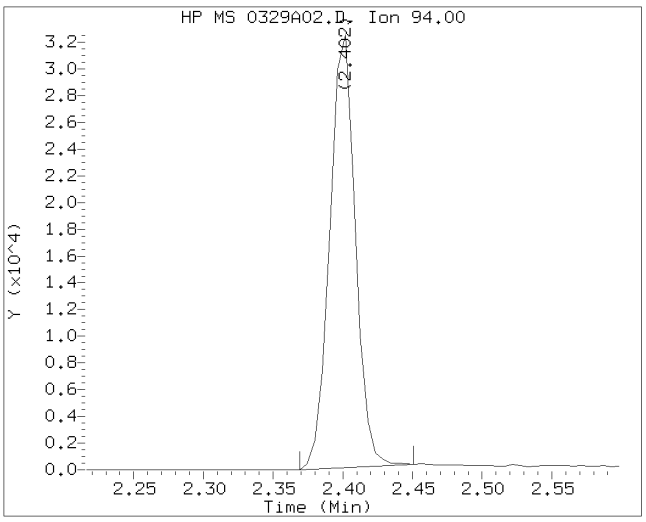


Original Peak Response = 84905 Manual Peak Response = 83904 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 4: bromomethane





Original Peak Response = 45588 Manual Peak Response = 41866 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

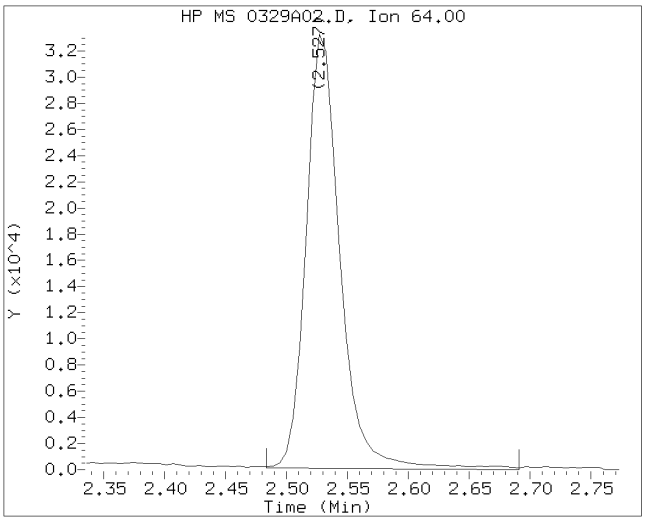
Alpha Analytical Labs

Manual Integration

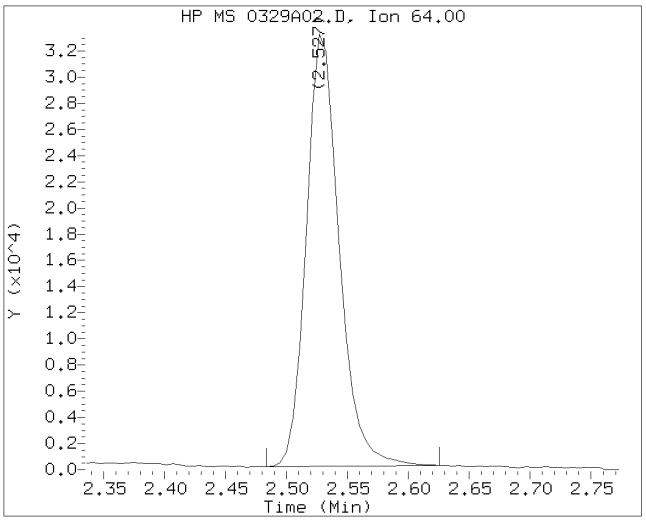
Sample Info : wg878-1,31,10
wg878,ical12154

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0329A02.D
Injection Date : 29-MAR-2016 09:24
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 5: chloroethane



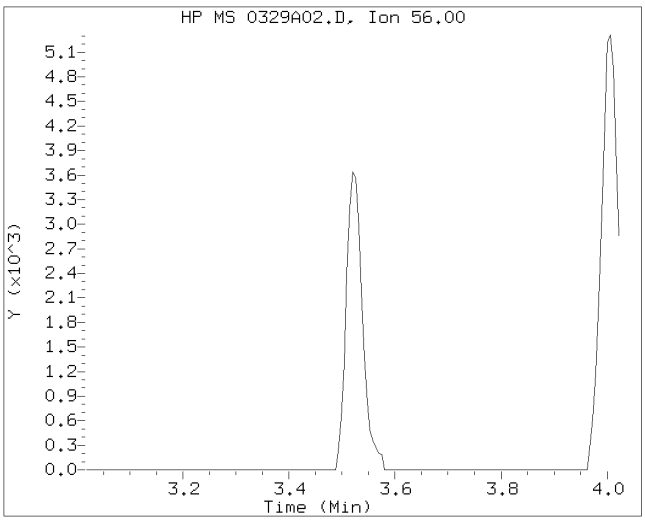
Original Peak Response = 64732



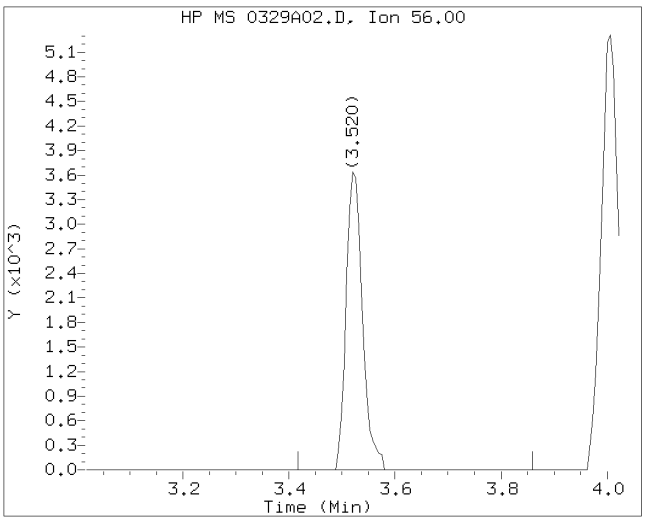
Manual Peak Response = 62328 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 12: acrolein



Original Peak Response = 0



Manual Peak Response = 7792 M2

M2 = Peak not found by automatic integration algorithm.

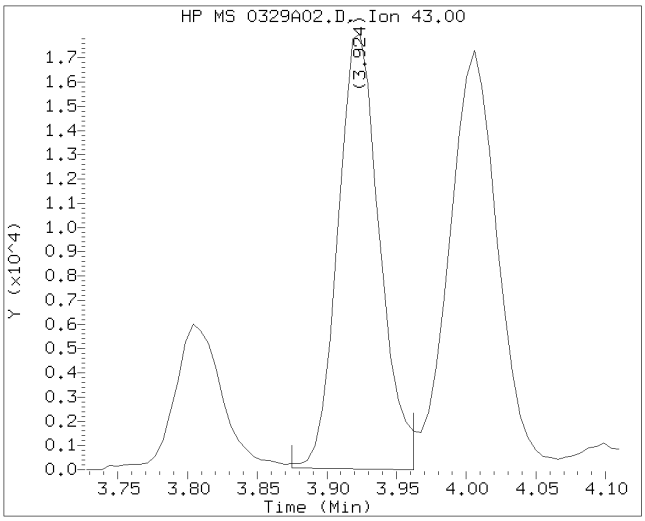
Alpha Analytical Labs

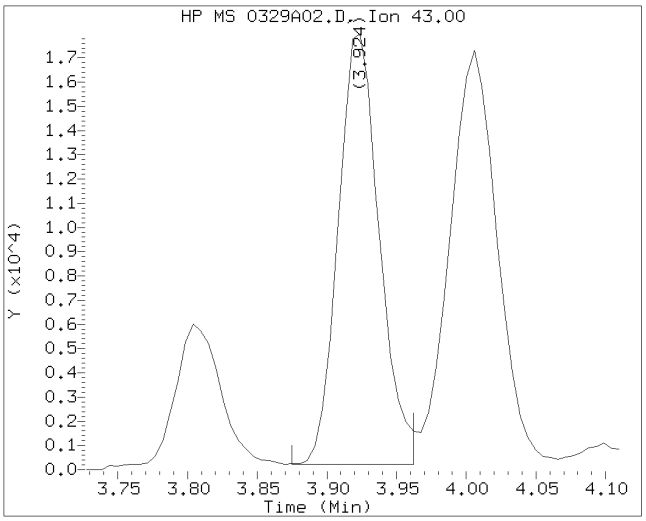
Manual Integration

Sample Info : wg878-1,31,10
wg878,ical12154

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0329A02.D
Injection Date : 29-MAR-2016 09:24
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 15: Methyl Acetate

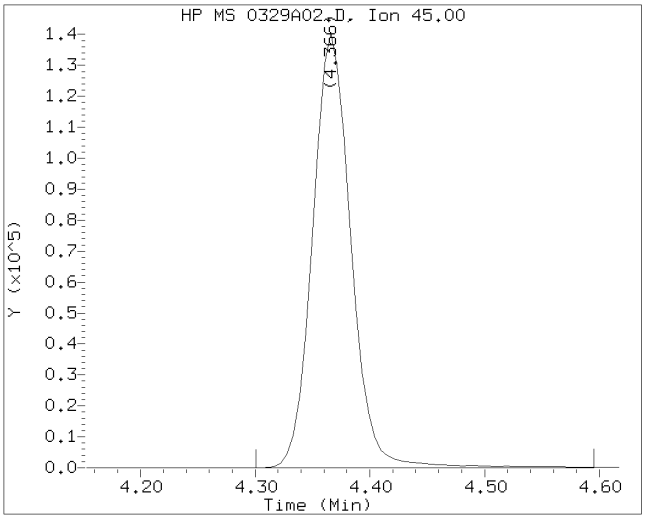


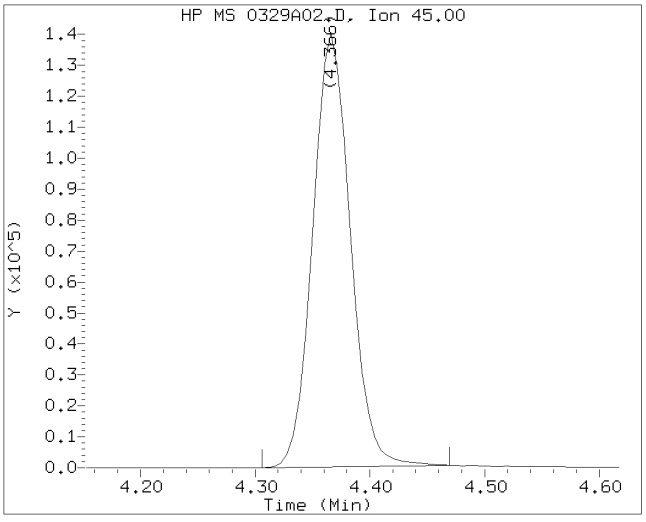


Original Peak Response = 37848 Manual Peak Response = 36769 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 18: Diisopropyl Ether





Original Peak Response = 326202 Manual Peak Response = 318859 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

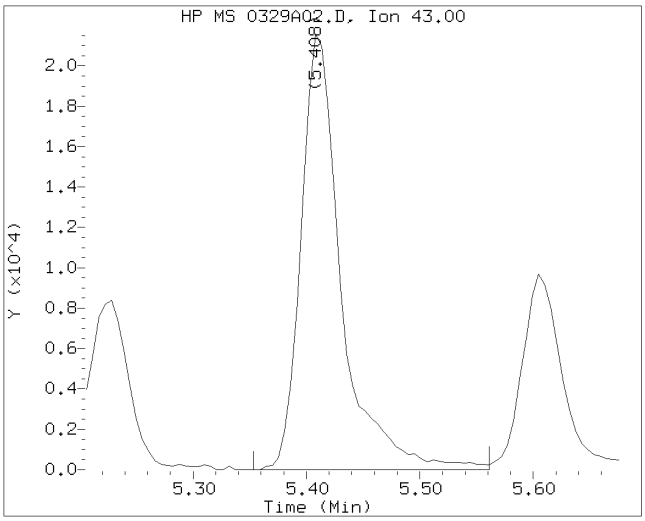
Alpha Analytical Labs

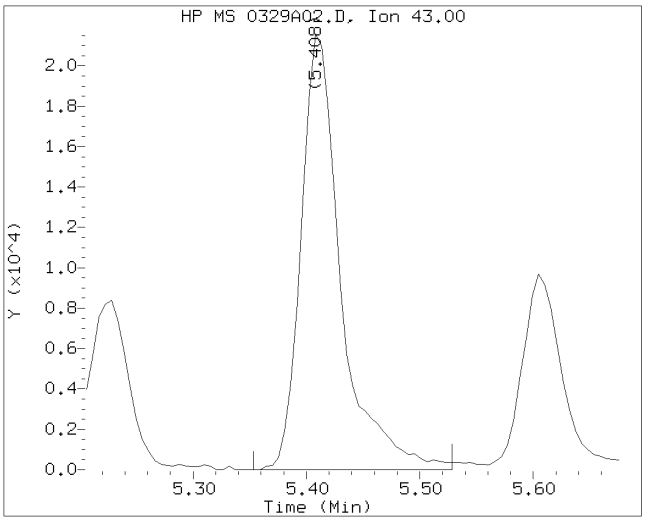
Manual Integration

Sample Info : wg878-1,31,10
wg878,ical12154

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0329A02.D
Injection Date : 29-MAR-2016 09:24
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 29: Ethyl Acetate

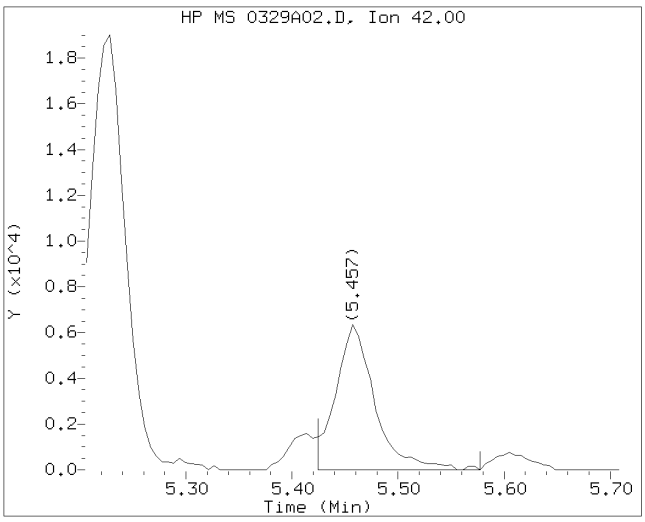


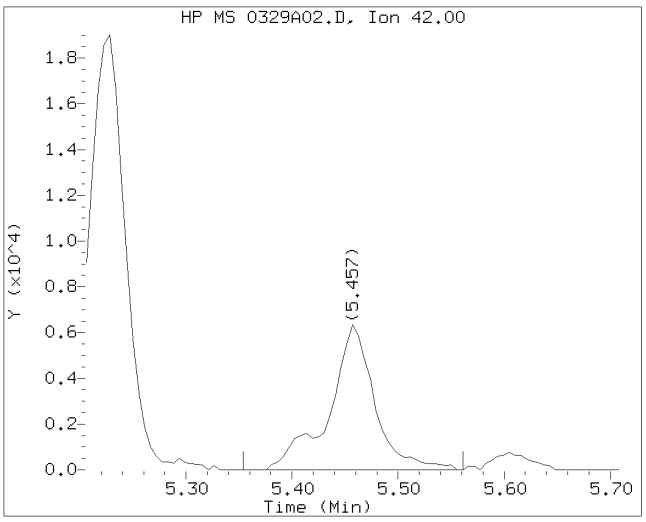


Original Peak Response = 53502 Manual Peak Response = 52897 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 31: tetrahydrofuran





Original Peak Response = 16474 Manual Peak Response = 18997 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

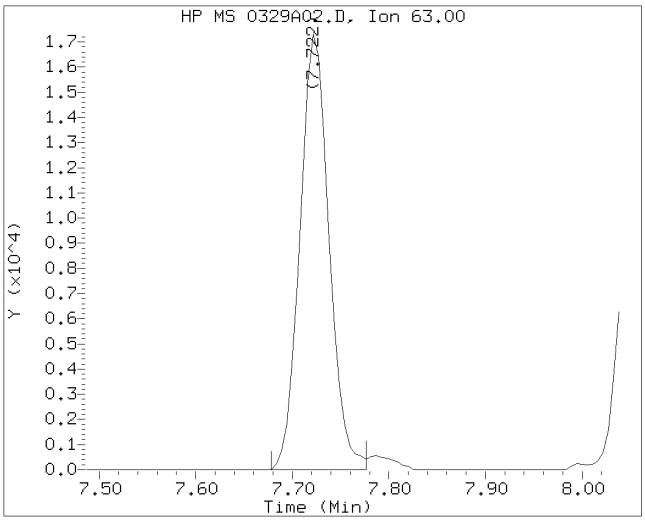
Alpha Analytical Labs

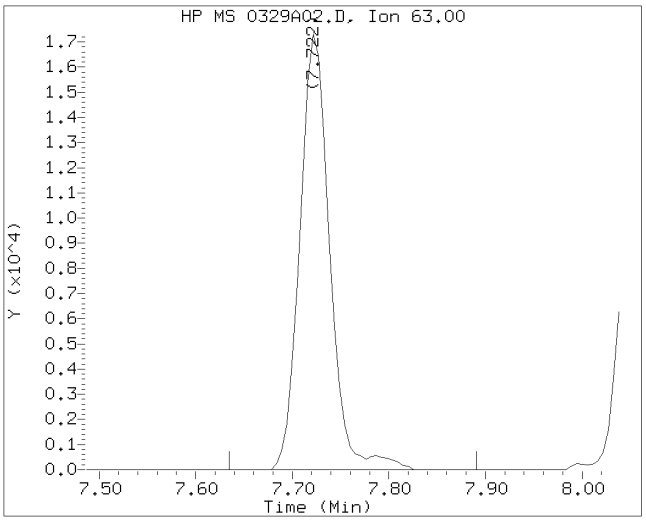
Manual Integration

Sample Info : wg878-1,31,10
wg878,ical12154

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0329A02.D
Injection Date : 29-MAR-2016 09:24
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 51: 2-Chloroethylvinyl ether

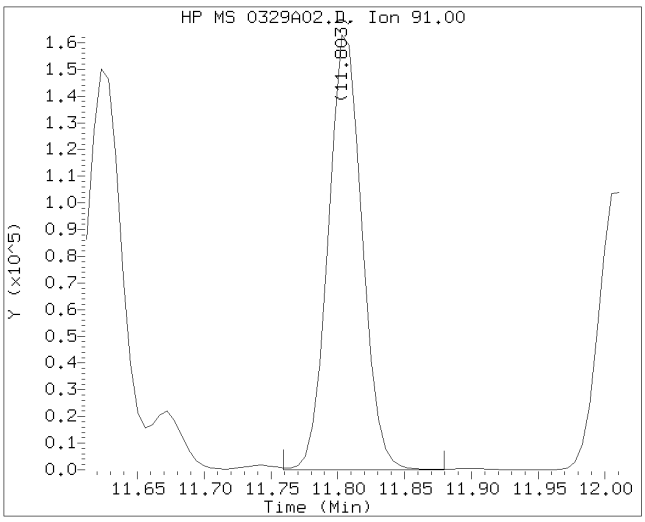


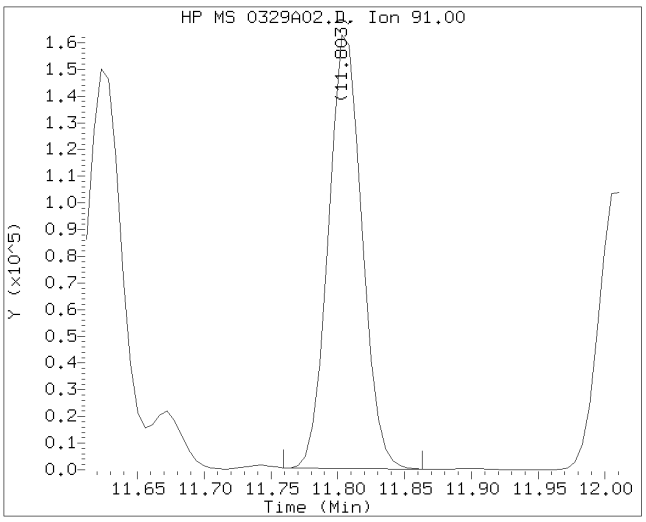


Original Peak Response = 36335 Manual Peak Response = 37357 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 87: 4-chorotoluene





Original Peak Response = 286923 Manual Peak Response = 283620 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Sample Raw Data

Alpha Analytical Labs

gc/ms voa - VOA105

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A08.D
Lab Smp Id:
Inj Date : 29-MAR-2016 11:46
Operator : PD Inst ID: Voa105.i
Smp Info : l1607846-01,31,10,,a
Misc Info : wg878773,ical12154
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Meth Date : 30-Mar-2016 12:32 Voa105.i Quant Type: ISTD
Cal Date : 16-MAR-2016 00:29 Cal File: 0215N09.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	Compound Not Detected.						
	2 chloromethane	50	Compound Not Detected.						
	3 vinyl chloride	62	Compound Not Detected.						
	4 bromomethane	94	2.401	2.401	(0.381)	501	6.11710	6.117(Q)	
	5 chloroethane	64	Compound Not Detected.						
	6 trichlorofluoromethane	101	Compound Not Detected.						
	8 1,1,-dichloroethene	96	Compound Not Detected.						
	10 freon-113	101	Compound Not Detected.						
	9 carbon disulfide	76	Compound Not Detected.						
	11 methylene chloride	84	Compound Not Detected.						
	13 acetone	43	3.809	3.803	(0.604)	5733	28.9451	28.945	
	14 trans-1,2-dichloroethene	96	Compound Not Detected.						
	15 Methyl Acetate	43	Compound Not Detected.						
	16 methyl tert butyl ether	73	Compound Not Detected.						
	19 1,1-dichloroethane	63	Compound Not Detected.						
	23 vinyl acetate	43	Compound Not Detected.						
	24 cis-1,2-dichloroethene	96	Compound Not Detected.						
	27 bromochloromethane	128	Compound Not Detected.						
	26 Cyclohexane	56	Compound Not Detected.						
	28 chloroform	83	Compound Not Detected.						
	30 carbontetrachloride	117	Compound Not Detected.						
$	32 dibromofluoromethane	113	5.484	5.484	(0.870)	111808	94.5990	94.598	
	33 1,1,1-trichloroethane	97	Compound Not Detected.						
	34 2-butanone	43	Compound Not Detected.						
	36 benzene	78	Compound Not Detected.						
$	38 1,2-dichloroethane-d4	65	6.019	6.024	(0.955)	146714	117.388	117.387	
	39 1,2-dichloroethane	62	Compound Not Detected.						
*	41 flourobenzene	96	6.302	6.303	(1.000)	453524	100.000		
	42 methyl cyclohexane	83	Compound Not Detected.						
	43 trichloroethene	95	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	46 1,2-dichloropropane	63	Compound Not Detected.						
	47 bromodichloromethane	83	Compound Not Detected.						
	52 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	53 toluene-d8	98	7.999	7.999	(0.811)	437259	106.512	106.512	
	54 toluene	92	Compound Not Detected.						
	56 4-methyl-2-pentanone	58	Compound Not Detected.						
	55 tetrachloroethene	166	Compound Not Detected.						
	57 trans-1,3-dichloropropene	75	Compound Not Detected.						
	60 1,1,2-trichloroethane	83	Compound Not Detected.						
	61 chlorodibromomethane	129	Compound Not Detected.						
	64 1,2-dibromoethane	107	Compound Not Detected.						
	65 2-hexanone	43	Compound Not Detected.						
*	66 chlorobenzene-d5	117	9.860	9.855	(1.000)	329316	100.000		
	67 chlorobenzene	112	Compound Not Detected.						
	68 ethyl benzene	91	Compound Not Detected.						
	70 p/m xylene	106	Compound Not Detected.						
	71 o xylene	106	Compound Not Detected.						
	72 styrene	104	Compound Not Detected.						
	73 bromoform	173	Compound Not Detected.						
	74 isopropylbenzene	105	Compound Not Detected.						
$	75 4-bromofluorobenzene	95	11.311	11.311	(0.905)	163575	112.431	112.431	
	79 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
	92 1,3-dichlorobenzene	146	Compound Not Detected.						
*	93 1,4-dichlorobenzene-d4	152	12.495	12.495	(1.000)	140547	100.000		
	94 1,4-dichlorobenzene	146	Compound Not Detected.						
	97 1,2-dichlorobenzene	146	Compound Not Detected.						
	99 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	102 1,2,4-trichlorobenzene	180	Compound Not Detected.						
	104 1,2,3-trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa105.i
Lab File ID: 0329A08.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Misc Info: wg878773,ical12154

Calibration Date: 29-MAR-2016
Calibration Time: 09:24
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	477691	238846	955382	453524	-5.06
66 chlorobenzene-d5	352765	176383	705530	329316	-6.65
93 1,4-dichlorobenze	156045	78023	312090	140547	-9.93

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	6.30	5.80	6.80	6.30	-0.00
66 chlorobenzene-d5	9.86	9.36	10.36	9.86	0.05
93 1,4-dichlorobenze	12.50	12.00	13.00	12.50	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

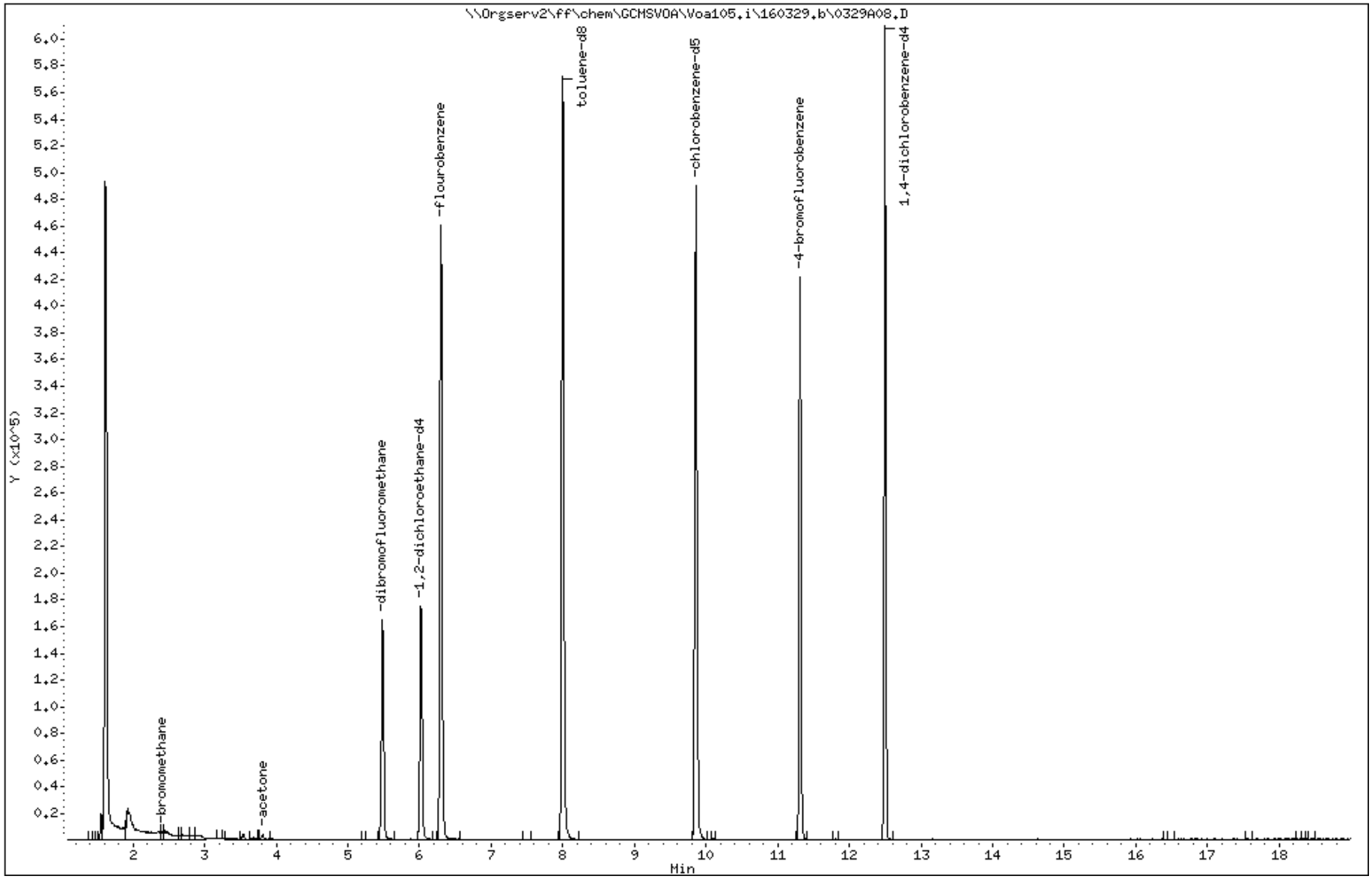
RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Misc Info: wg878773,ical12154

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	94.598	94.60	70-130
$ 38 1,2-dichloroethane	100.000	117.387	117.39	70-130
$ 53 toluene-d8	100.000	106.512	106.51	70-130
$ 75 4-bromofluorobenze	100.000	112.431	112.43	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A08.D
Date : 29-MAR-2016 11:46
Client ID:
Sample Info: 11607846-01,31,10,,a
Purge Volume: 10.0
Column phase:

Instrument: Voa105.i
Operator: PD
Column diameter: 0.18



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Date : 29-MAR-2016 11:46

Client ID:

Instrument: Voa105.i

Sample Info: 11607846-01,31,10,,a

Purge Volume: 10.0

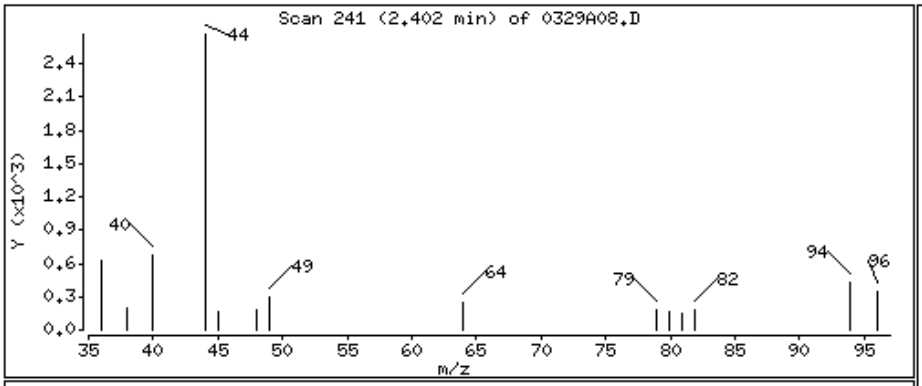
Operator: PD

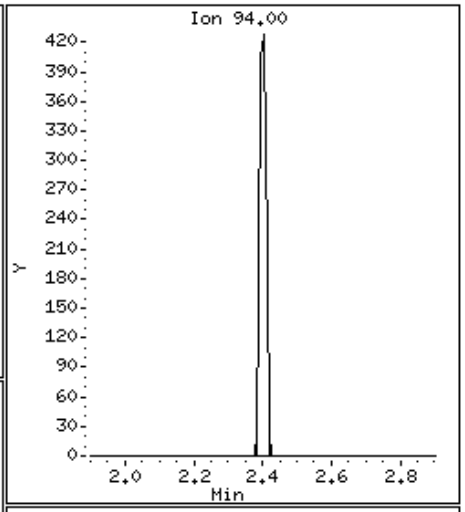
Column phase:

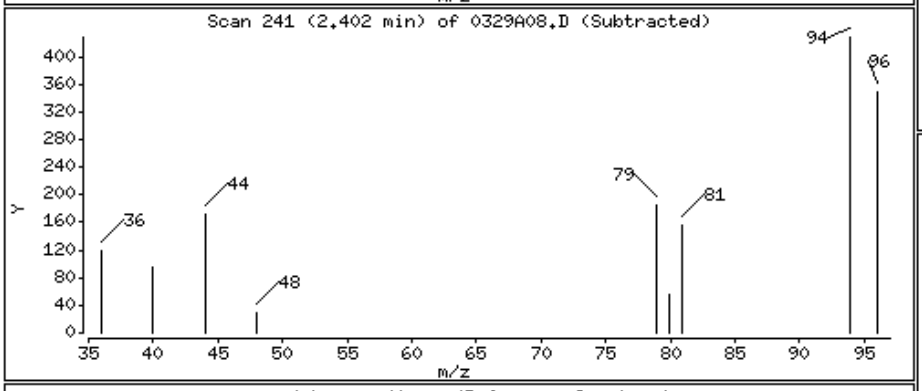
Column diameter: 0.18

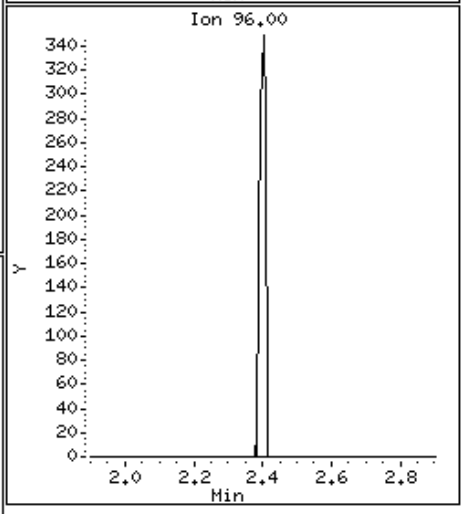
4 bromomethane

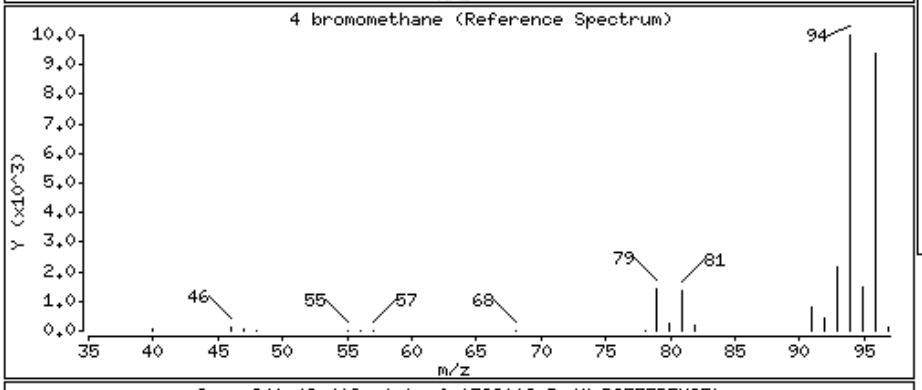
Concentration: 6.117 ngs

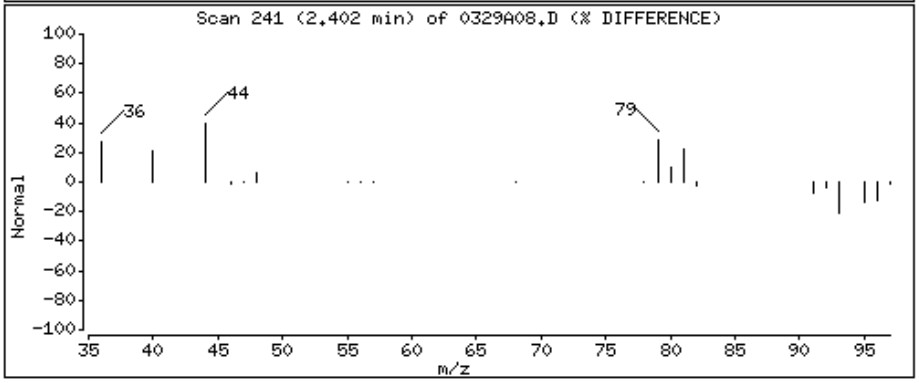












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A08.D

Date : 29-MAR-2016 11:46

Client ID:

Instrument: Voa105.i

Sample Info: 11607846-01,31,10,,a

Purge Volume: 10.0

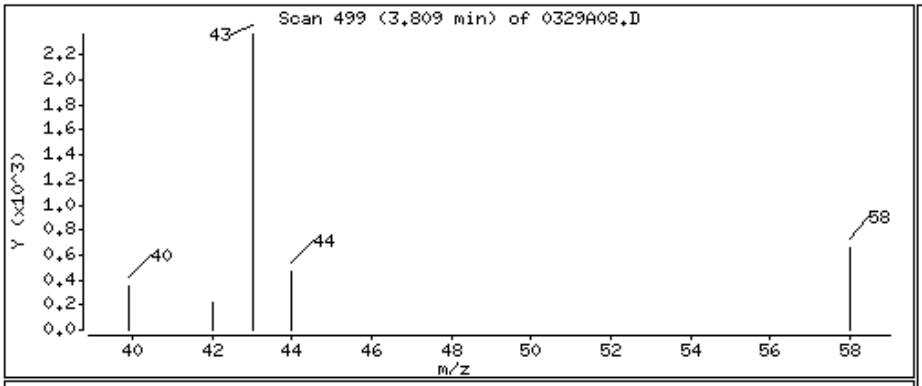
Operator: PD

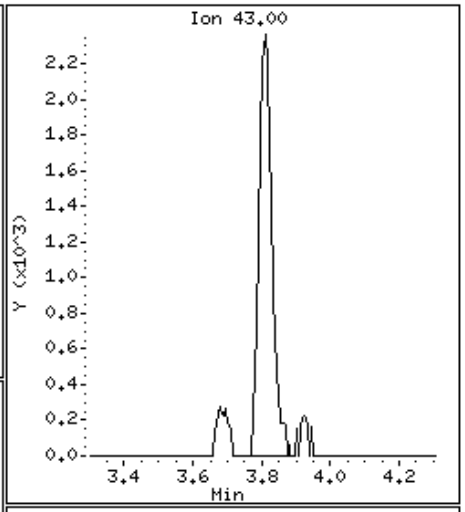
Column phase:

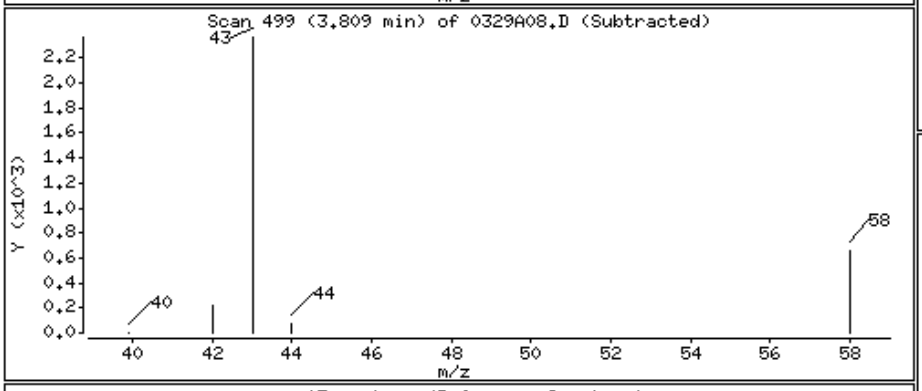
Column diameter: 0.18

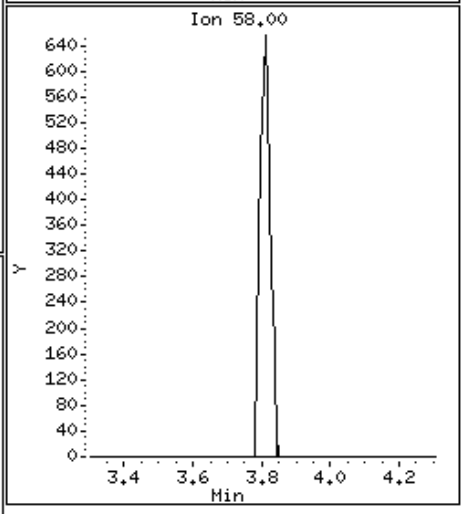
13 acetone

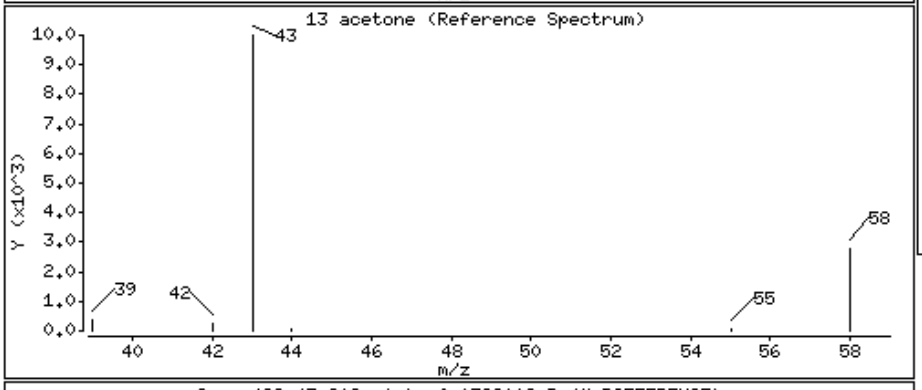
Concentration: 28.945 ngs

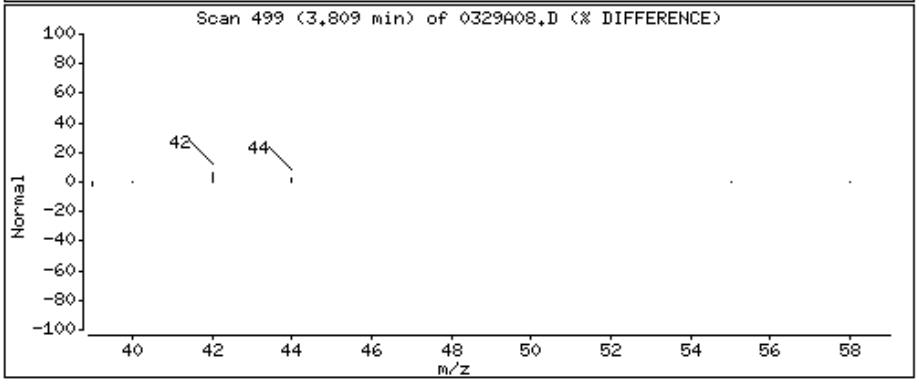












Manual Integration

Sample Info : l1607846-01,31,10,,a
wg878773,ical12154

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0329A08.D
Injection Date : 29-MAR-2016 11:46
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

There are no manual integrations in this file.

Alpha Analytical Labs

gc/ms voa - VOA105

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A09.D
Lab Smp Id:
Inj Date : 29-MAR-2016 12:10
Operator : PD Inst ID: Voa105.i
Smp Info : l1607846-02,31,10,,a
Misc Info : wg878773,ical12154
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Meth Date : 30-Mar-2016 12:32 Voa105.i Quant Type: ISTD
Cal Date : 16-MAR-2016 00:29 Cal File: 0215N09.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	Compound Not Detected.						
	2 chloromethane	50	Compound Not Detected.						
	3 vinyl chloride	62	Compound Not Detected.						
	4 bromomethane	94	2.396	2.401	(0.381)	607	6.43810	6.438	
	5 chloroethane	64	Compound Not Detected.						
	6 trichlorofluoromethane	101	Compound Not Detected.						
	8 1,1,-dichloroethene	96	Compound Not Detected.						
	10 freon-113	101	Compound Not Detected.						
	9 carbon disulfide	76	Compound Not Detected.						
	11 methylene chloride	84	Compound Not Detected.						
	13 acetone	43	3.809	3.803	(0.605)	7361	44.8025	44.802	
	14 trans-1,2-dichloroethene	96	Compound Not Detected.						
	15 Methyl Acetate	43	Compound Not Detected.						
	16 methyl tert butyl ether	73	Compound Not Detected.						
	19 1,1-dichloroethane	63	Compound Not Detected.						
	23 vinyl acetate	43	Compound Not Detected.						
	24 cis-1,2-dichloroethene	96	Compound Not Detected.						
	27 bromochloromethane	128	Compound Not Detected.						
	26 Cyclohexane	56	Compound Not Detected.						
	28 chloroform	83	Compound Not Detected.						
	30 carbontetrachloride	117	Compound Not Detected.						
$	32 dibromofluoromethane	113	5.484	5.484	(0.871)	109754	94.3798	94.379	
	33 1,1,1-trichloroethane	97	Compound Not Detected.						
	34 2-butanone	43	Compound Not Detected.						
	36 benzene	78	Compound Not Detected.						
$	38 1,2-dichloroethane-d4	65	6.019	6.024	(0.956)	146570	119.190	119.190	
	39 1,2-dichloroethane	62	Compound Not Detected.						
*	41 flourobenzene	96	6.297	6.303	(1.000)	446226	100.000		
	42 methyl cyclohexane	83	Compound Not Detected.						
	43 trichloroethene	95	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
46	1,2-dichloropropane	63	Compound Not Detected.						
47	bromodichloromethane	83	Compound Not Detected.						
52	cis-1,3-dichloropropene	75	Compound Not Detected.						
$ 53	toluene-d8	98	7.999	7.999	(0.811)	427261	105.839	105.838	
54	toluene	92	8.054	8.059	(0.817)	2064	1.04299	1.042	
56	4-methyl-2-pentanone	58	Compound Not Detected.						
55	tetrachloroethene	166	Compound Not Detected.						
57	trans-1,3-dichloropropene	75	Compound Not Detected.						
60	1,1,2-trichloroethane	83	Compound Not Detected.						
61	chlorodibromomethane	129	Compound Not Detected.						
64	1,2-dibromoethane	107	Compound Not Detected.						
65	2-hexanone	43	Compound Not Detected.						
* 66	chlorobenzene-d5	117	9.860	9.855	(1.000)	323835	100.000		
67	chlorobenzene	112	Compound Not Detected.						
68	ethyl benzene	91	Compound Not Detected.						
70	p/m xylene	106	Compound Not Detected.						
71	o xylene	106	Compound Not Detected.						
72	styrene	104	Compound Not Detected.						
73	bromoform	173	Compound Not Detected.						
74	isopropylbenzene	105	Compound Not Detected.						
$ 75	4-bromofluorobenzene	95	11.311	11.311	(0.905)	162078	112.585	112.585	
79	1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
92	1,3-dichlorobenzene	146	Compound Not Detected.						
* 93	1,4-dichlorobenzene-d4	152	12.496	12.495	(1.000)	139070	100.000		
94	1,4-dichlorobenzene	146	Compound Not Detected.						
97	1,2-dichlorobenzene	146	Compound Not Detected.						
99	1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
102	1,2,4-trichlorobenzene	180	Compound Not Detected.						
104	1,2,3-trichlorobenzene	180	Compound Not Detected.						

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa105.i
Lab File ID: 0329A09.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Misc Info: wg878773,ical12154

Calibration Date: 29-MAR-2016
Calibration Time: 09:24
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	477691	238846	955382	446226	-6.59
66 chlorobenzene-d5	352765	176383	705530	323835	-8.20
93 1,4-dichlorobenze	156045	78023	312090	139070	-10.88

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	6.30	5.80	6.80	6.30	-0.09
66 chlorobenzene-d5	9.86	9.36	10.36	9.86	0.06
93 1,4-dichlorobenze	12.50	12.00	13.00	12.50	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

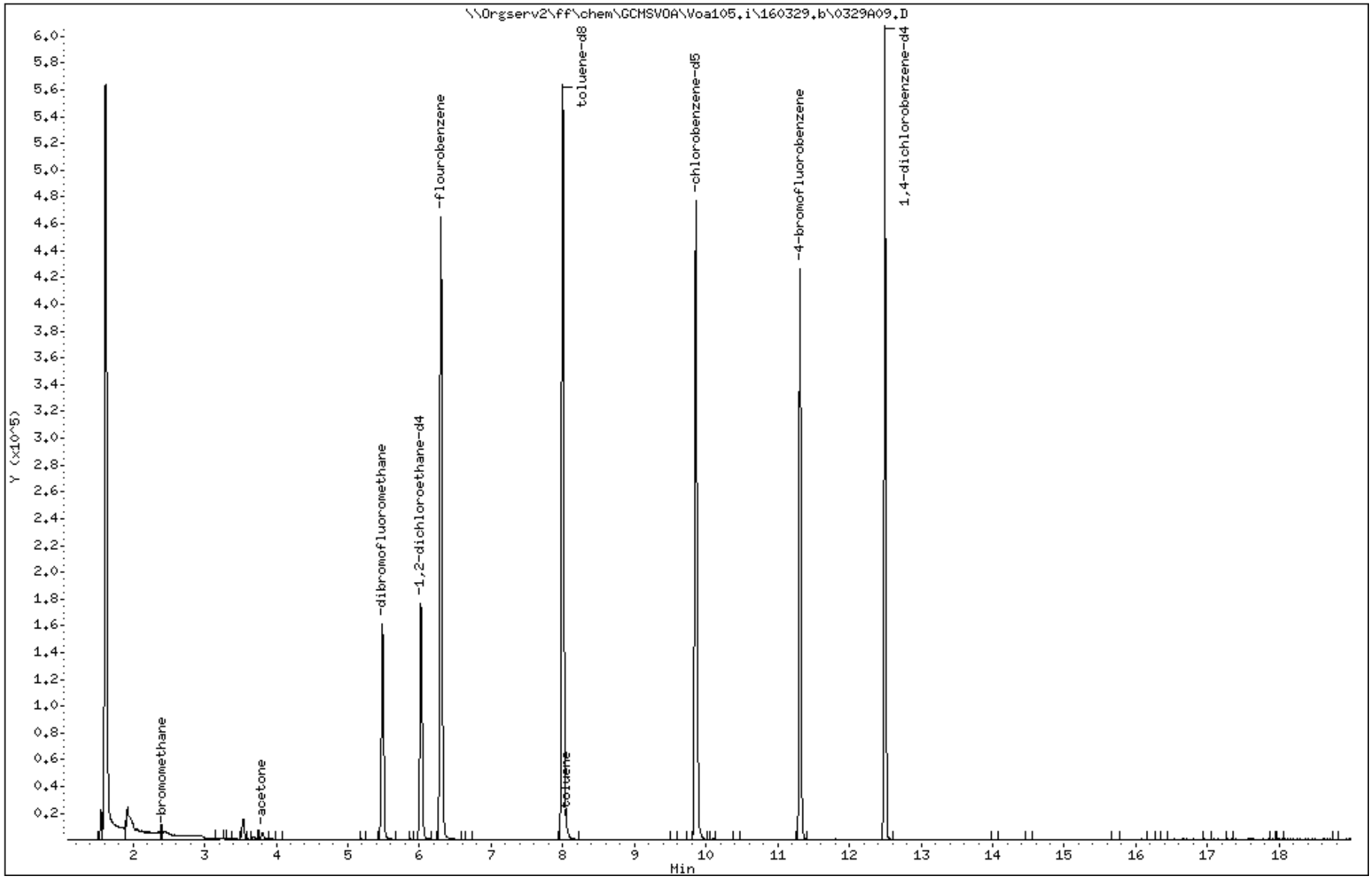
RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Misc Info: wg878773,ical12154

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	94.379	94.38	70-130
$ 38 1,2-dichloroethane	100.000	119.190	119.19	70-130
$ 53 toluene-d8	100.000	105.838	105.84	70-130
$ 75 4-bromofluorobenze	100.000	112.585	112.59	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A09.D
Date : 29-MAR-2016 12:10
Client ID:
Sample Info: 11607846-02,31,10,,a
Purge Volume: 10.0
Column phase:

Instrument: Voa105.i
Operator: PD
Column diameter: 0.18



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Date : 29-MAR-2016 12:10

Client ID:

Instrument: Voa105.i

Sample Info: 11607846-02,31,10,,a

Purge Volume: 10.0

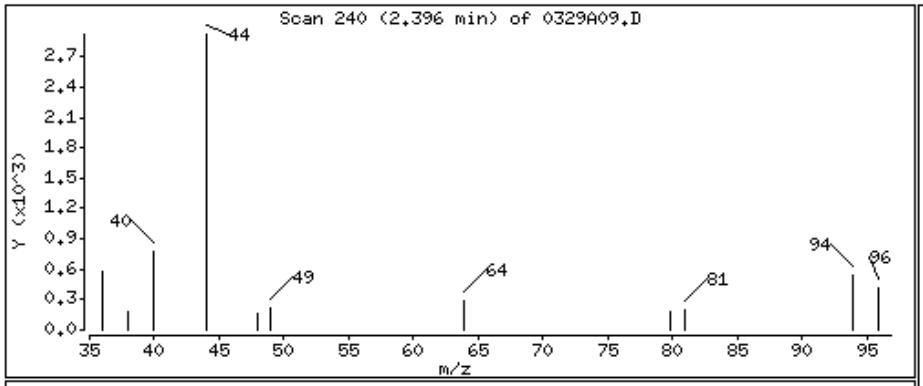
Operator: PD

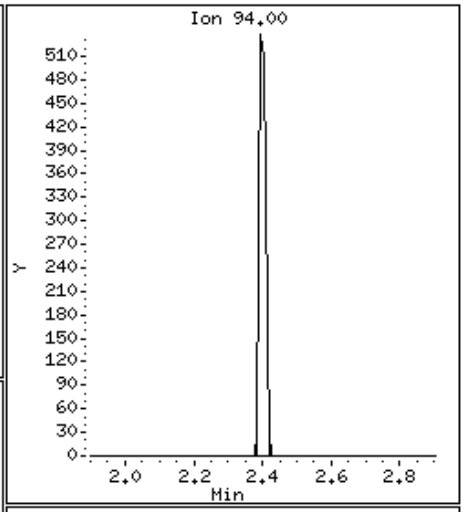
Column phase:

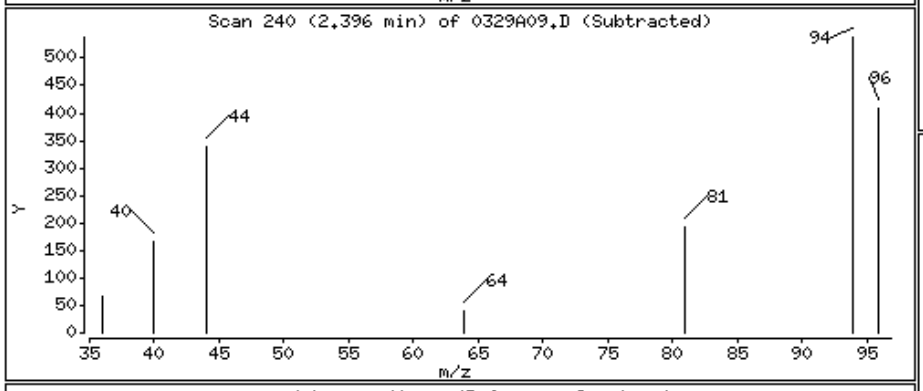
Column diameter: 0.18

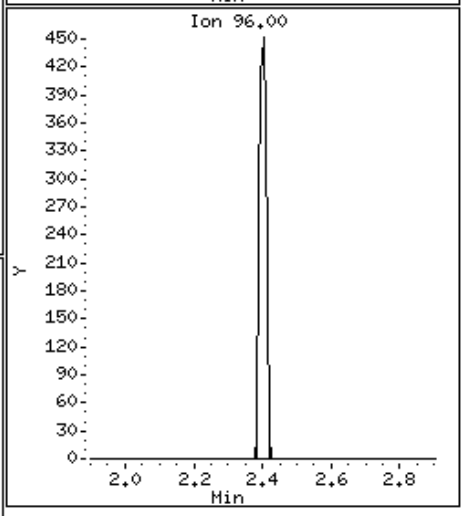
4 bromomethane

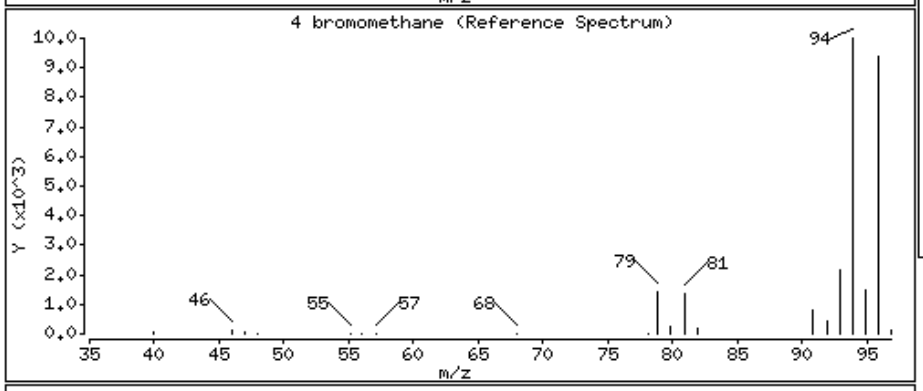
Concentration: 6.438 ngs

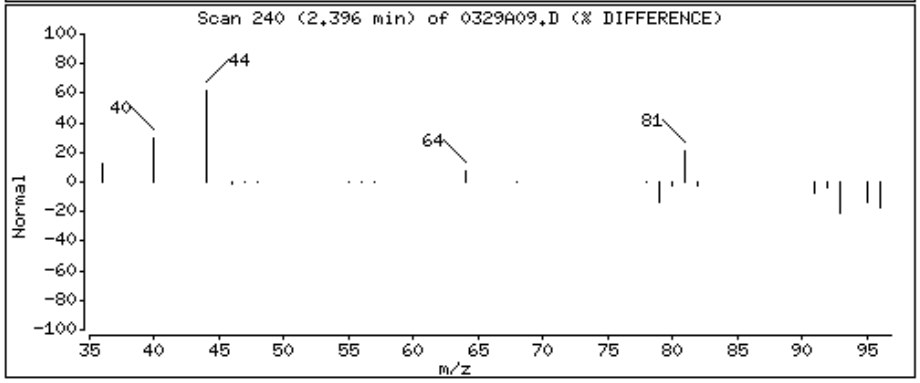












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A09.D

Date : 29-MAR-2016 12:10

Client ID:

Instrument: Voa105.i

Sample Info: 11607846-02,31,10,,a

Purge Volume: 10.0

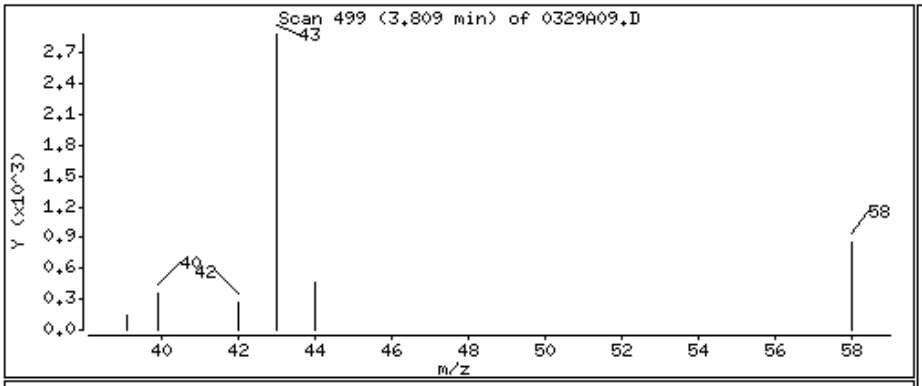
Operator: PD

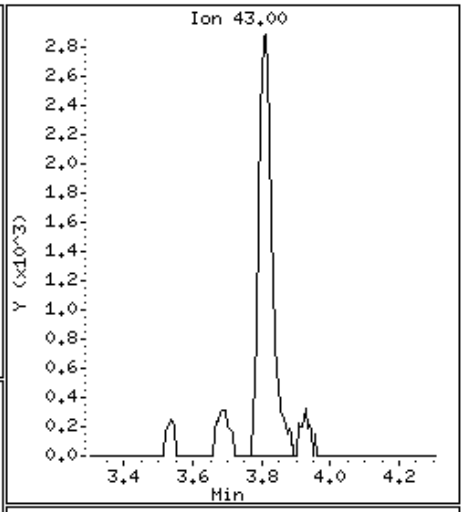
Column phase:

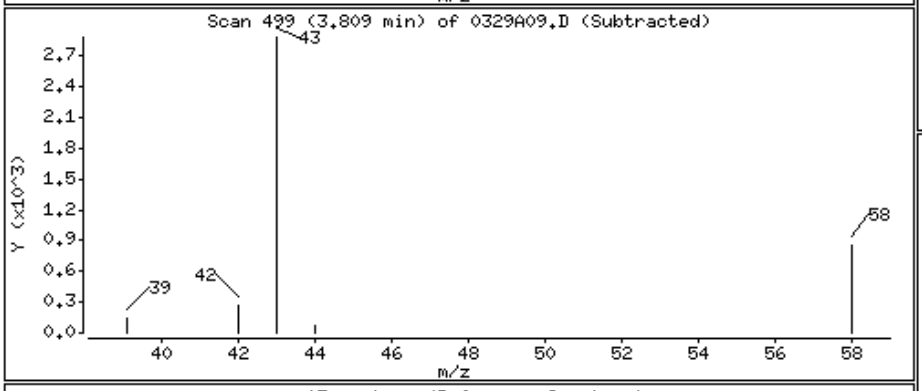
Column diameter: 0.18

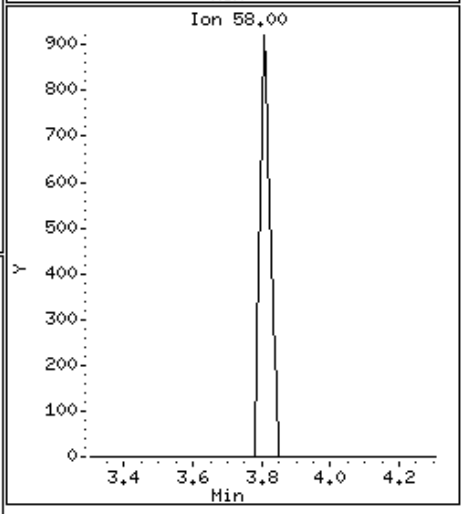
13 acetone

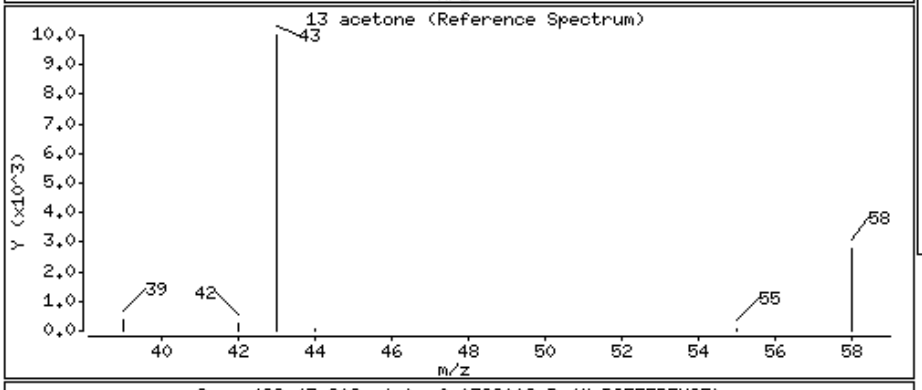
Concentration: 44.802 ngs

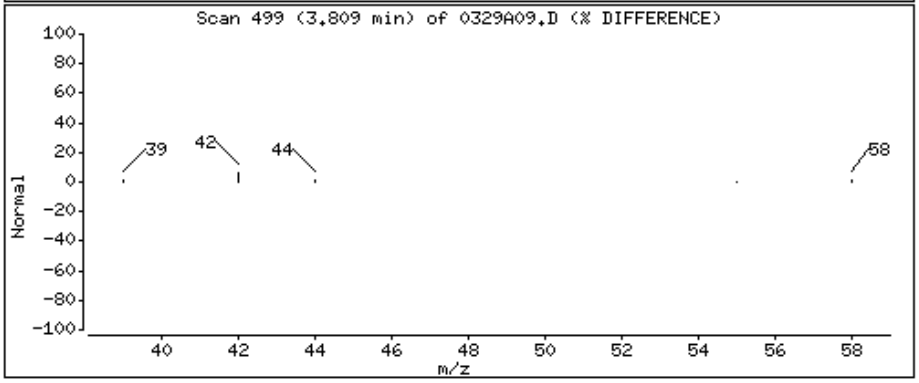












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A09.D

Date : 29-MAR-2016 12:10

Client ID:

Instrument: Voa105.i

Sample Info: 11607846-02,31,10,,a

Purge Volume: 10.0

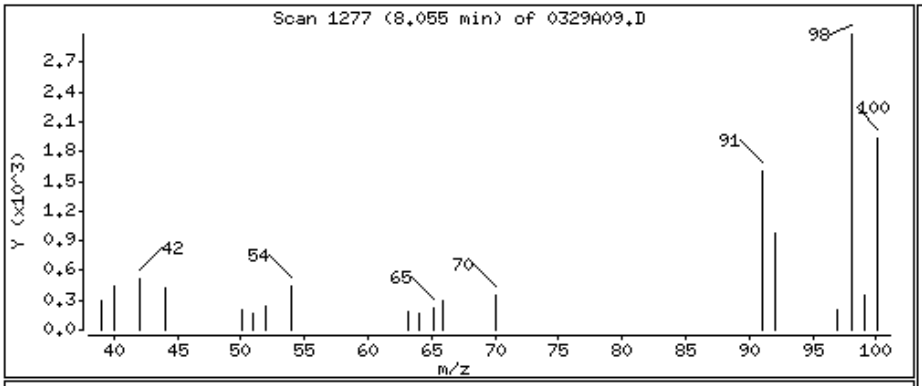
Operator: PD

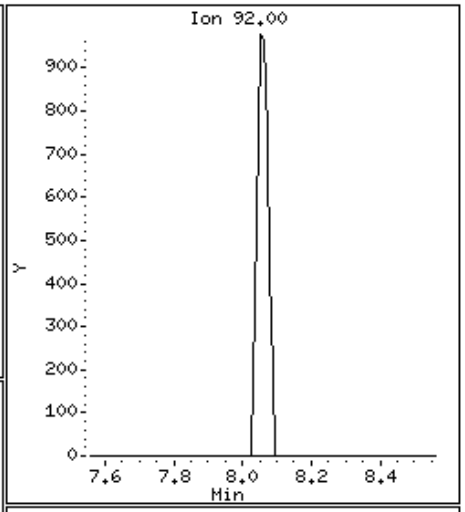
Column phase:

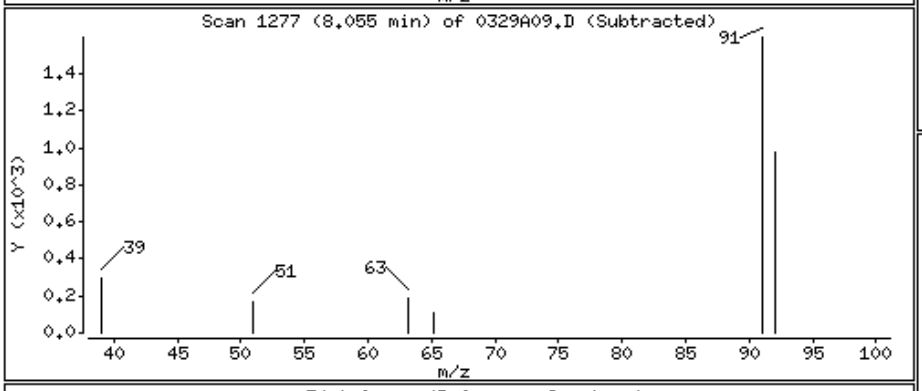
Column diameter: 0.18

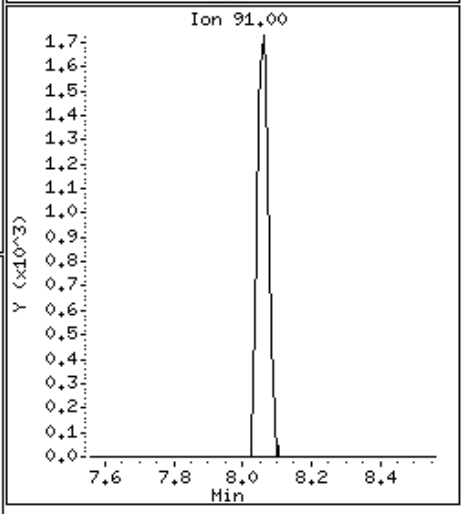
54 toluene

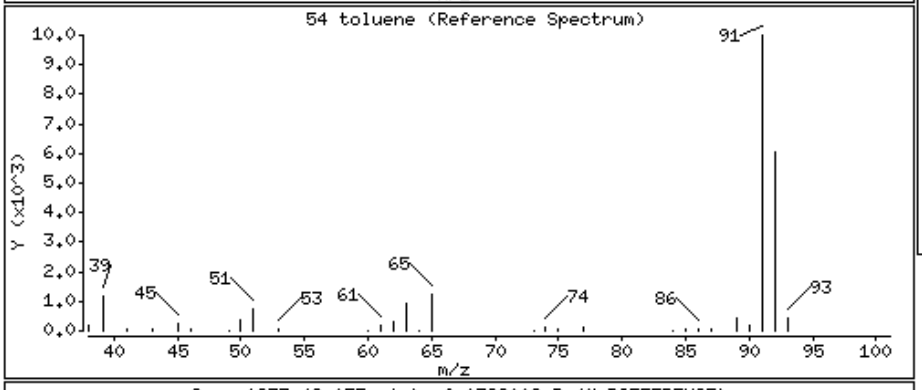
Concentration: 1.042 ngs

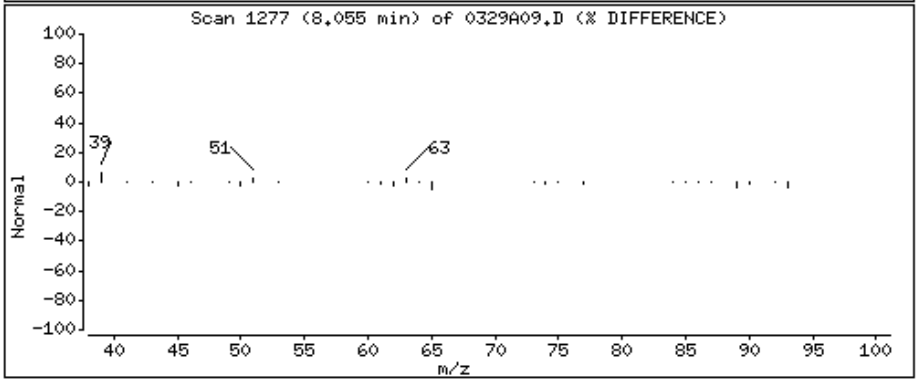












Manual Integration

Sample Info : l1607846-02,31,10,,a
wg878773,ical12154

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0329A09.D
Injection Date : 29-MAR-2016 12:10
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

There are no manual integrations in this file.

Alpha Analytical Labs

gc/ms voa - VOA105

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A10.D
Lab Smp Id:
Inj Date : 29-MAR-2016 12:33
Operator : PD Inst ID: Voa105.i
Smp Info : l1607846-03,31,10,,a
Misc Info : wg878773,ical12154
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Meth Date : 30-Mar-2016 12:32 Voa105.i Quant Type: ISTD
Cal Date : 16-MAR-2016 00:29 Cal File: 0215N09.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	Compound Not Detected.						
	2 chloromethane	50	1.981	1.976	(0.314)	1822	2.89652	2.896	
	3 vinyl chloride	62	Compound Not Detected.						
	4 bromomethane	94	Compound Not Detected.						
	5 chloroethane	64	Compound Not Detected.						
	6 trichlorofluoromethane	101	Compound Not Detected.						
	8 1,1,-dichloroethene	96	Compound Not Detected.						
	10 freon-113	101	Compound Not Detected.						
	9 carbon disulfide	76	Compound Not Detected.						
	11 methylene chloride	84	Compound Not Detected.						
	13 acetone	43	3.809	3.803	(0.604)	13234	103.278	103.277(M)	M1
	14 trans-1,2-dichloroethene	96	Compound Not Detected.						
	15 Methyl Acetate	43	Compound Not Detected.						
	16 methyl tert butyl ether	73	Compound Not Detected.						
	19 1,1-dichloroethane	63	Compound Not Detected.						
	23 vinyl acetate	43	Compound Not Detected.						
	24 cis-1,2-dichloroethene	96	Compound Not Detected.						
	27 bromochloromethane	128	Compound Not Detected.						
	26 Cyclohexane	56	Compound Not Detected.						
	28 chloroform	83	Compound Not Detected.						
	30 carbontetrachloride	117	Compound Not Detected.						
$	32 dibromofluoromethane	113	5.484	5.484	(0.870)	106558	94.8897	94.889	
	33 1,1,1-trichloroethane	97	Compound Not Detected.						
	34 2-butanone	43	Compound Not Detected.						
	36 benzene	78	Compound Not Detected.						
$	38 1,2-dichloroethane-d4	65	6.024	6.024	(0.956)	142576	120.065	120.065	
	39 1,2-dichloroethane	62	Compound Not Detected.						
*	41 flourobenzene	96	6.303	6.303	(1.000)	430904	100.000		
	42 methyl cyclohexane	83	Compound Not Detected.						
	43 trichloroethene	95	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	46 1,2-dichloropropane	63	Compound Not Detected.						
	47 bromodichloromethane	83	Compound Not Detected.						
	52 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	53 toluene-d8	98	8.000	7.999	(0.811)	415524	105.966	105.965	
	54 toluene	92	Compound Not Detected.						
	56 4-methyl-2-pentanone	58	Compound Not Detected.						
	55 tetrachloroethene	166	Compound Not Detected.						
	57 trans-1,3-dichloropropene	75	Compound Not Detected.						
	60 1,1,2-trichloroethane	83	Compound Not Detected.						
	61 chlorodibromomethane	129	Compound Not Detected.						
	64 1,2-dibromoethane	107	Compound Not Detected.						
	65 2-hexanone	43	Compound Not Detected.						
*	66 chlorobenzene-d5	117	9.860	9.855	(1.000)	314561	100.000		
	67 chlorobenzene	112	Compound Not Detected.						
	68 ethyl benzene	91	Compound Not Detected.						
	70 p/m xylene	106	Compound Not Detected.						
	71 o xylene	106	Compound Not Detected.						
	72 styrene	104	Compound Not Detected.						
	73 bromoform	173	Compound Not Detected.						
	74 isopropylbenzene	105	Compound Not Detected.						
$	75 4-bromofluorobenzene	95	11.312	11.311	(0.905)	156864	111.762	111.761	
	79 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
	92 1,3-dichlorobenzene	146	Compound Not Detected.						
*	93 1,4-dichlorobenzene-d4	152	12.496	12.495	(1.000)	135588	100.000		
	94 1,4-dichlorobenzene	146	Compound Not Detected.						
	97 1,2-dichlorobenzene	146	Compound Not Detected.						
	99 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	102 1,2,4-trichlorobenzene	180	Compound Not Detected.						
	104 1,2,3-trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa105.i
Lab File ID: 0329A10.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Misc Info: wg878773,ical12154

Calibration Date: 29-MAR-2016
Calibration Time: 09:24
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	477691	238846	955382	430904	-9.79
66 chlorobenzene-d5	352765	176383	705530	314561	-10.83
93 1,4-dichlorobenze	156045	78023	312090	135588	-13.11

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	6.30	5.80	6.80	6.30	0.00
66 chlorobenzene-d5	9.86	9.36	10.36	9.86	0.06
93 1,4-dichlorobenze	12.50	12.00	13.00	12.50	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

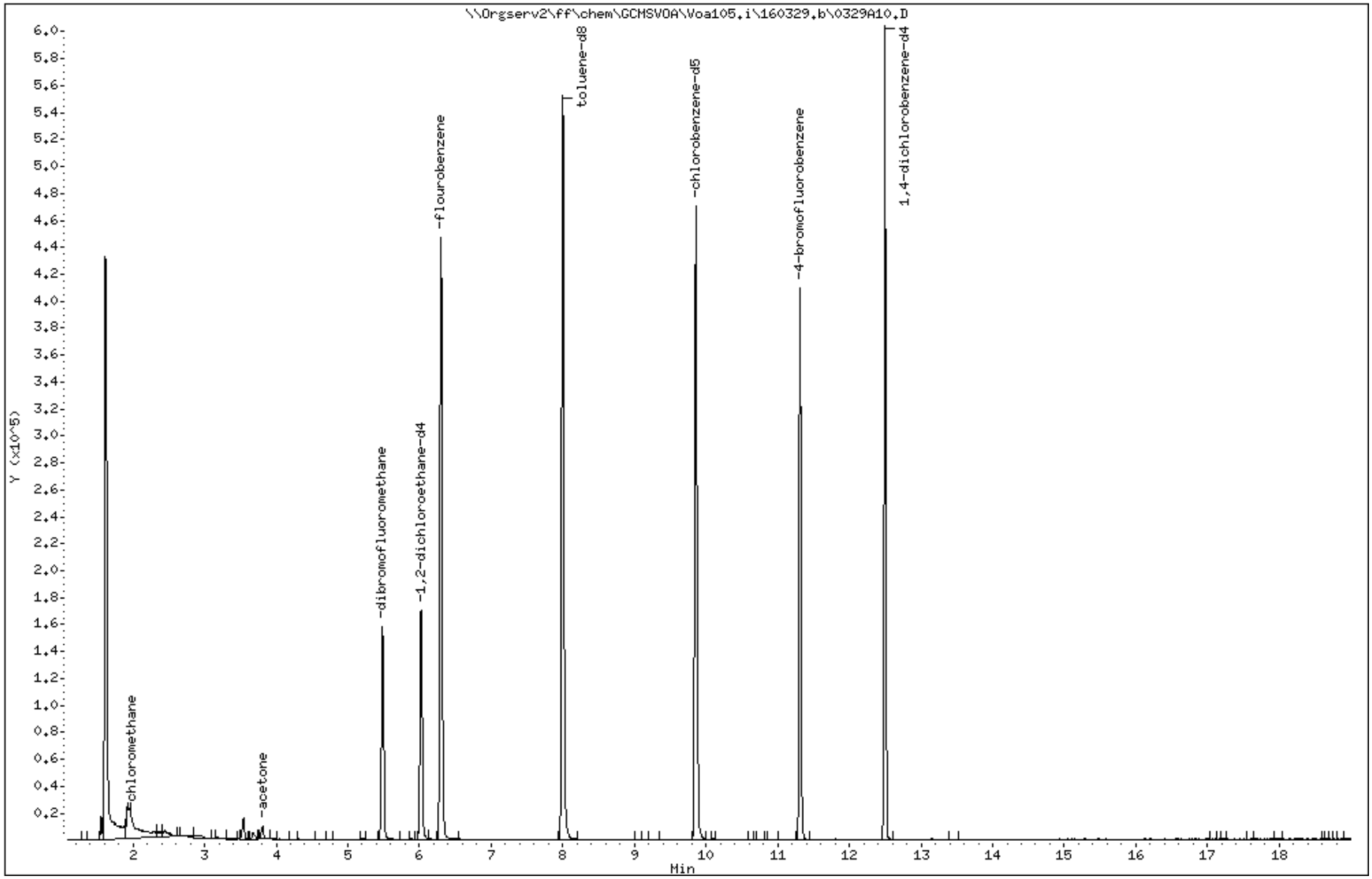
Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Misc Info: wg878773,ical12154

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	94.889	94.89	70-130
$ 38 1,2-dichloroethane	100.000	120.065	120.07	70-130
$ 53 toluene-d8	100.000	105.965	105.97	70-130
$ 75 4-bromofluorobenze	100.000	111.761	111.76	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A10.D
Date : 29-MAR-2016 12:33
Client ID:
Instrument: Voa105.i
Sample Info: 11607846-03,31,10,,a
Purge Volume: 10.0
Operator: PD
Column phase:
Column diameter: 0.18



Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A10.D

Date : 29-MAR-2016 12:33

Client ID:

Instrument: Voa105.i

Sample Info: 11607846-03,31,10,,a

Purge Volume: 10.0

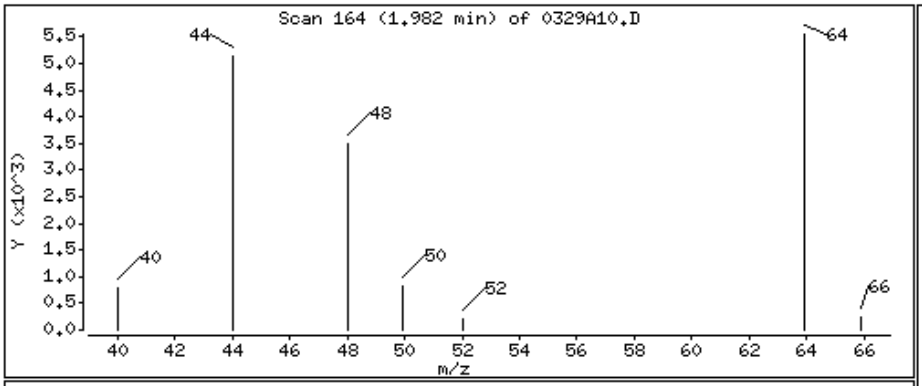
Operator: PD

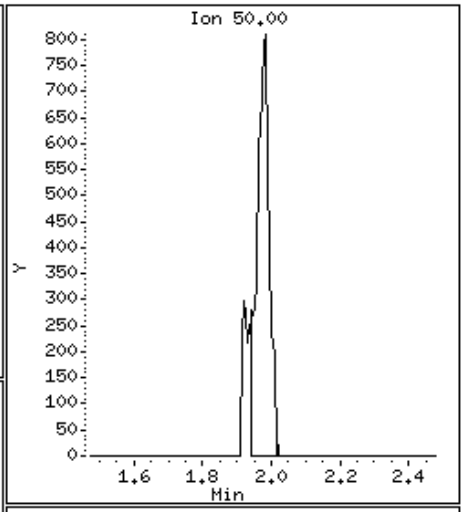
Column phase:

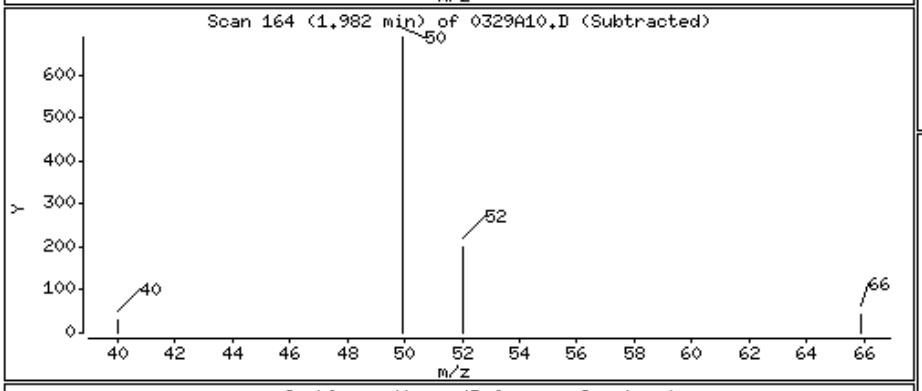
Column diameter: 0.18

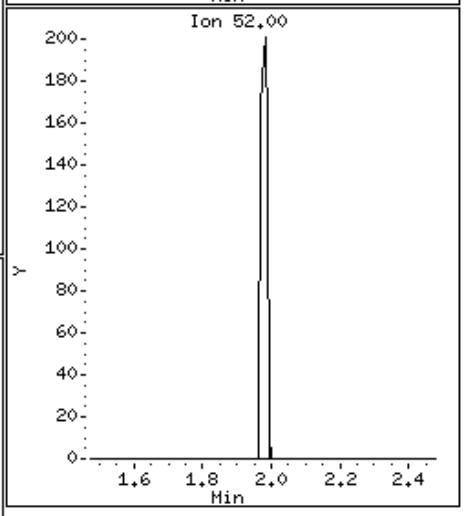
2 chloromethane

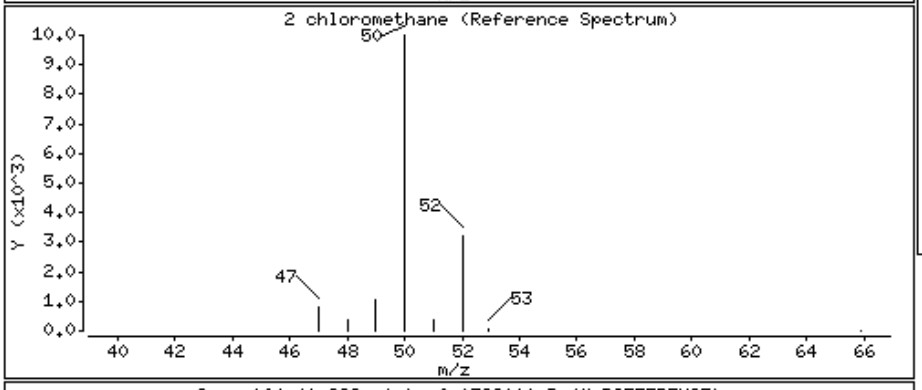
Concentration: 2.896 ngs

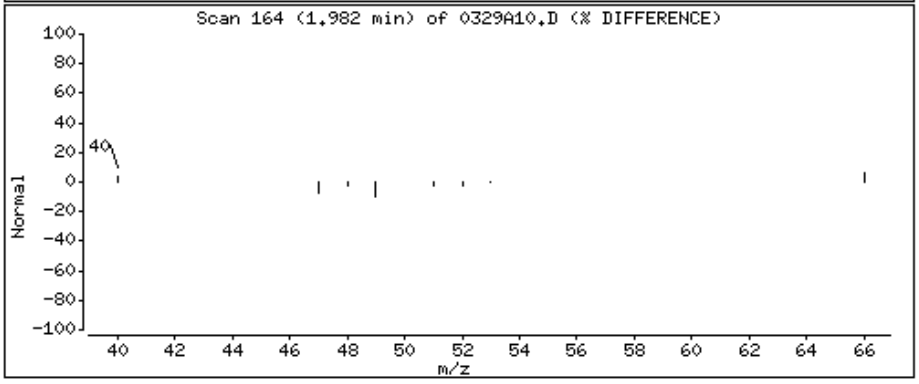












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A10.D

Date : 29-MAR-2016 12:33

Client ID:

Instrument: Voa105.i

Sample Info: 11607846-03,31,10,,a

Purge Volume: 10.0

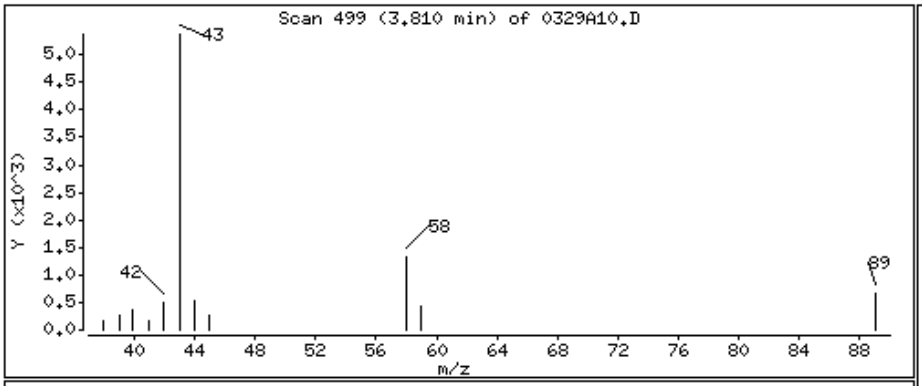
Operator: PD

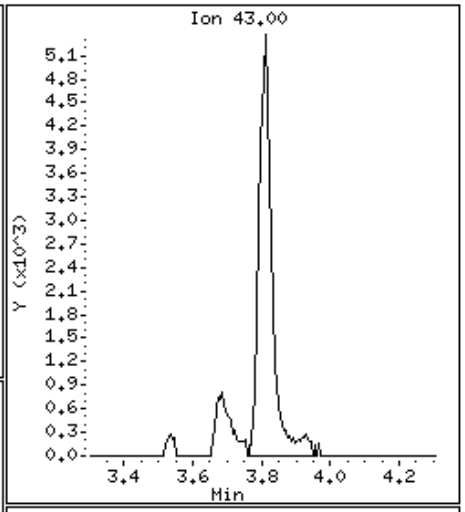
Column phase:

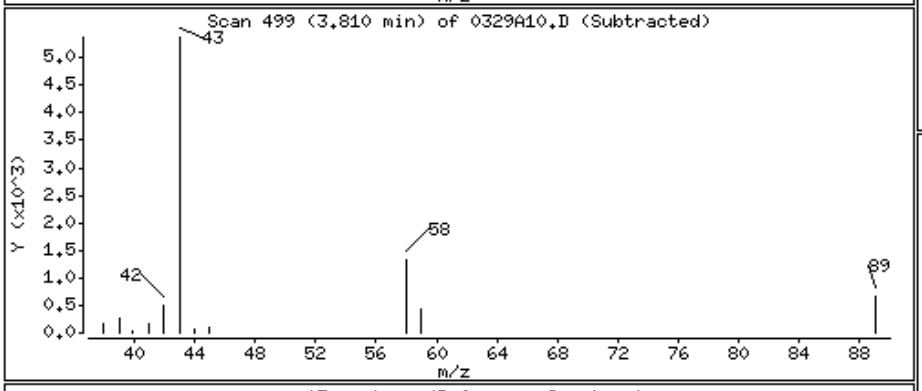
Column diameter: 0.18

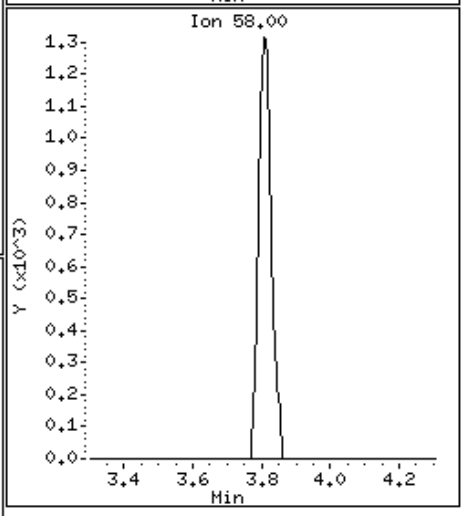
13 acetone

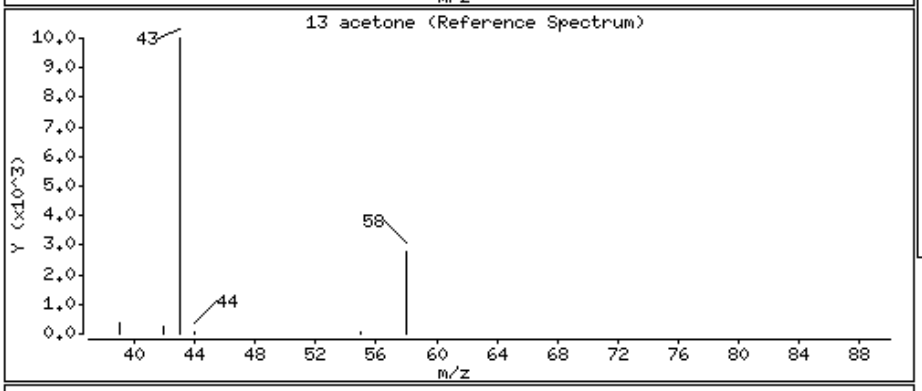
Concentration: 103.277 ngs

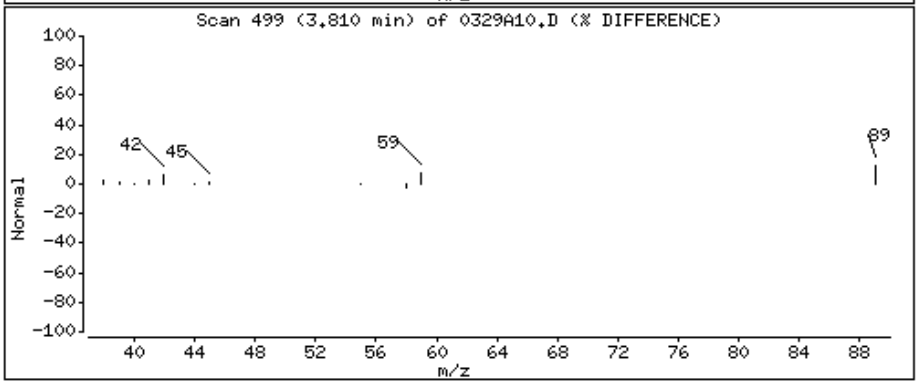










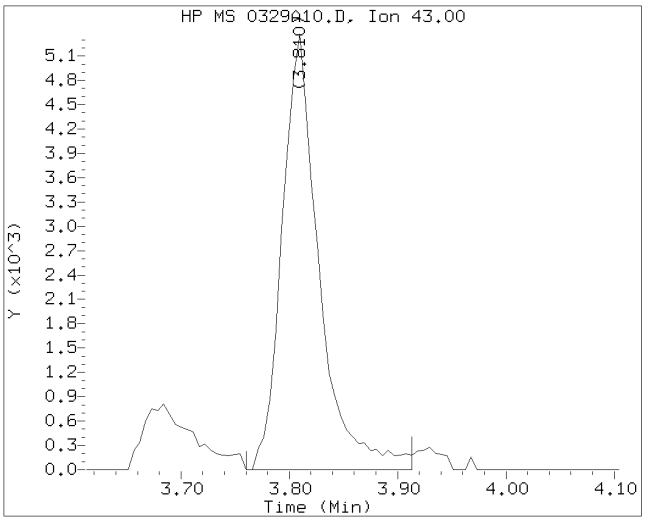


Manual Integration

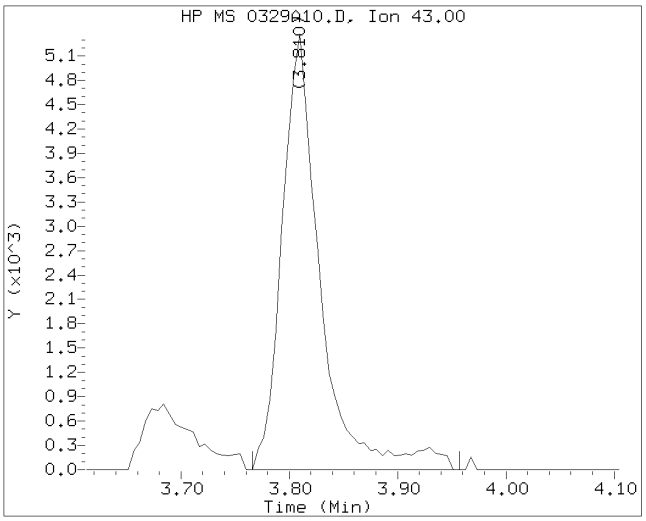
Sample Info : l1607846-03,31,10,,a
wg878773,ical12154

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0329A10.D
Injection Date : 29-MAR-2016 12:33
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

Compound # 13: acetone



Original Peak Response = 12803



Manual Peak Response = 13234 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - VOA105

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A11.D
Lab Smp Id:
Inj Date : 29-MAR-2016 12:57
Operator : PD Inst ID: Voa105.i
Smp Info : l1607846-04,31,10,,a
Misc Info : wg878773,ical12154
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Meth Date : 30-Mar-2016 12:32 Voa105.i Quant Type: ISTD
Cal Date : 16-MAR-2016 00:29 Cal File: 0215N09.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	Compound Not Detected.						
	2 chloromethane	50	Compound Not Detected.						
	3 vinyl chloride	62	Compound Not Detected.						
	4 bromomethane	94	2.401	2.401	(0.381)	381	5.84219	5.842	
	5 chloroethane	64	Compound Not Detected.						
	6 trichlorofluoromethane	101	Compound Not Detected.						
	8 1,1,-dichloroethene	96	Compound Not Detected.						
	10 freon-113	101	Compound Not Detected.						
	9 carbon disulfide	76	Compound Not Detected.						
	11 methylene chloride	84	Compound Not Detected.						
	13 acetone	43	3.809	3.803	(0.604)	7596	49.5880	49.587	
	14 trans-1,2-dichloroethene	96	Compound Not Detected.						
	15 Methyl Acetate	43	Compound Not Detected.						
	16 methyl tert butyl ether	73	Compound Not Detected.						
	19 1,1-dichloroethane	63	Compound Not Detected.						
	23 vinyl acetate	43	Compound Not Detected.						
	24 cis-1,2-dichloroethene	96	Compound Not Detected.						
	27 bromochloromethane	128	Compound Not Detected.						
	26 Cyclohexane	56	Compound Not Detected.						
	28 chloroform	83	Compound Not Detected.						
	30 carbontetrachloride	117	Compound Not Detected.						
$	32 dibromofluoromethane	113	5.484	5.484	(0.870)	105329	93.9628	93.962	
	33 1,1,1-trichloroethane	97	Compound Not Detected.						
	34 2-butanone	43	Compound Not Detected.						
	36 benzene	78	Compound Not Detected.						
$	38 1,2-dichloroethane-d4	65	6.019	6.024	(0.955)	143809	121.320	121.319	
	39 1,2-dichloroethane	62	Compound Not Detected.						
*	41 flourobenzene	96	6.303	6.303	(1.000)	430136	100.000		
	42 methyl cyclohexane	83	Compound Not Detected.						
	43 trichloroethene	95	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	46 1,2-dichloropropane	63	Compound Not Detected.						
	47 bromodichloromethane	83	Compound Not Detected.						
	52 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	53 toluene-d8	98	8.000	7.999	(0.811)	415208	106.204	106.204	
	54 toluene	92	Compound Not Detected.						
	56 4-methyl-2-pentanone	58	Compound Not Detected.						
	55 tetrachloroethene	166	Compound Not Detected.						
	57 trans-1,3-dichloropropene	75	Compound Not Detected.						
	60 1,1,2-trichloroethane	83	Compound Not Detected.						
	61 chlorodibromomethane	129	Compound Not Detected.						
	64 1,2-dibromoethane	107	Compound Not Detected.						
	65 2-hexanone	43	Compound Not Detected.						
*	66 chlorobenzene-d5	117	9.860	9.855	(1.000)	313616	100.000		
	67 chlorobenzene	112	Compound Not Detected.						
	68 ethyl benzene	91	Compound Not Detected.						
	70 p/m xylene	106	Compound Not Detected.						
	71 o xylene	106	Compound Not Detected.						
	72 styrene	104	Compound Not Detected.						
	73 bromoform	173	Compound Not Detected.						
	74 isopropylbenzene	105	Compound Not Detected.						
$	75 4-bromofluorobenzene	95	11.312	11.311	(0.905)	157257	112.286	112.285	
	79 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
	92 1,3-dichlorobenzene	146	Compound Not Detected.						
*	93 1,4-dichlorobenzene-d4	152	12.496	12.495	(1.000)	135293	100.000		
	94 1,4-dichlorobenzene	146	Compound Not Detected.						
	97 1,2-dichlorobenzene	146	Compound Not Detected.						
	99 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	102 1,2,4-trichlorobenzene	180	Compound Not Detected.						
	104 1,2,3-trichlorobenzene	180	Compound Not Detected.						

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa105.i
Lab File ID: 0329A11.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Misc Info: wg878773,ical12154

Calibration Date: 29-MAR-2016
Calibration Time: 09:24
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	477691	238846	955382	430136	-9.96
66 chlorobenzene-d5	352765	176383	705530	313616	-11.10
93 1,4-dichlorobenze	156045	78023	312090	135293	-13.30

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	6.30	5.80	6.80	6.30	0.00
66 chlorobenzene-d5	9.86	9.36	10.36	9.86	0.06
93 1,4-dichlorobenze	12.50	12.00	13.00	12.50	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

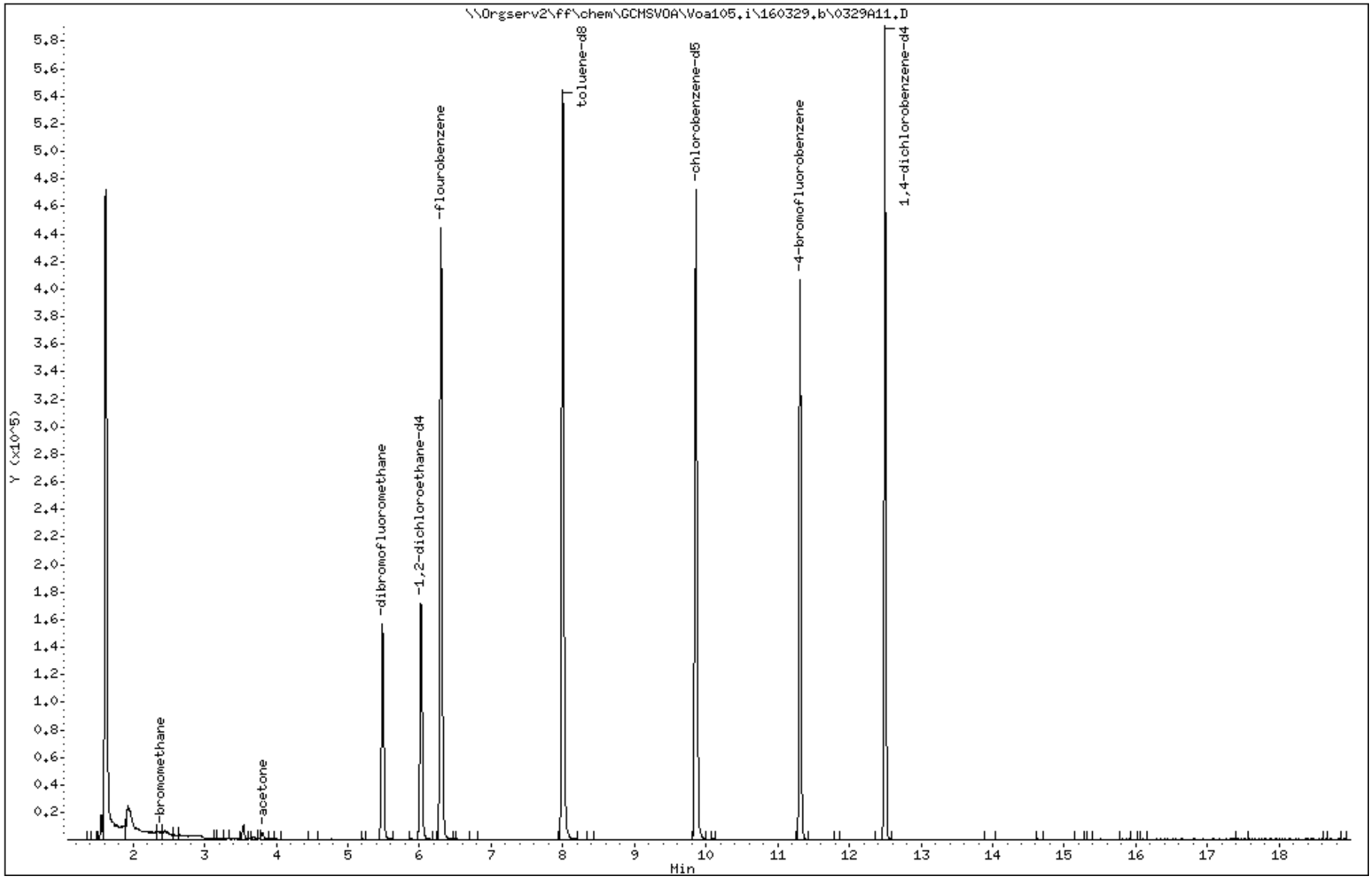
RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Misc Info: wg878773,ical12154

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	93.962	93.96	70-130
$ 38 1,2-dichloroethane	100.000	121.319	121.32	70-130
$ 53 toluene-d8	100.000	106.204	106.20	70-130
$ 75 4-bromofluorobenze	100.000	112.285	112.29	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A11.D
Date : 29-MAR-2016 12:57
Client ID:
Sample Info: 11607846-04,31,10,,a
Purge Volume: 10.0
Column phase:

Instrument: Voa105.i
Operator: PD
Column diameter: 0.18



Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A11.D

Date : 29-MAR-2016 12:57

Client ID:

Instrument: Voa105.i

Sample Info: 11607846-04,31,10,,a

Purge Volume: 10.0

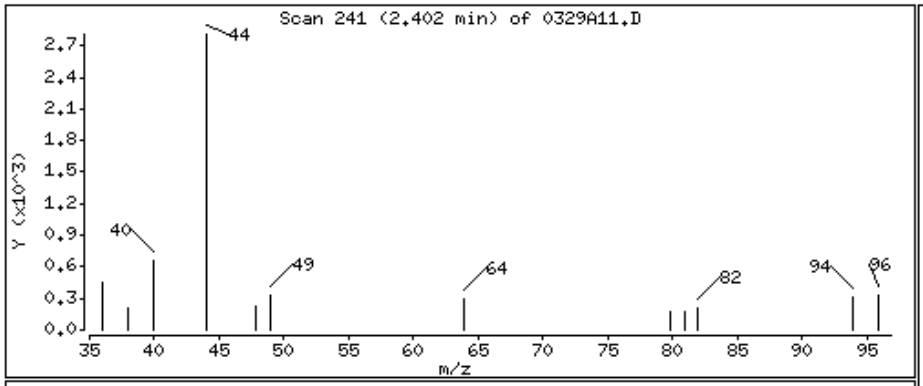
Operator: PD

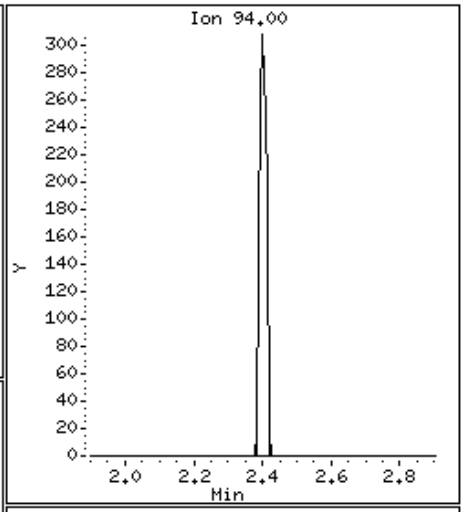
Column phase:

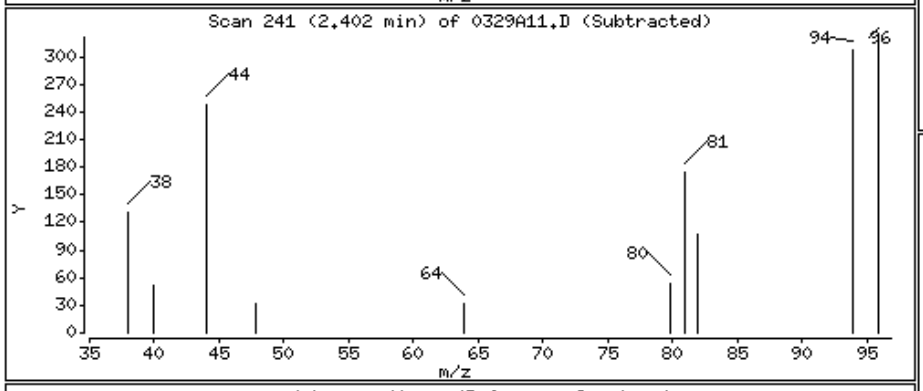
Column diameter: 0.18

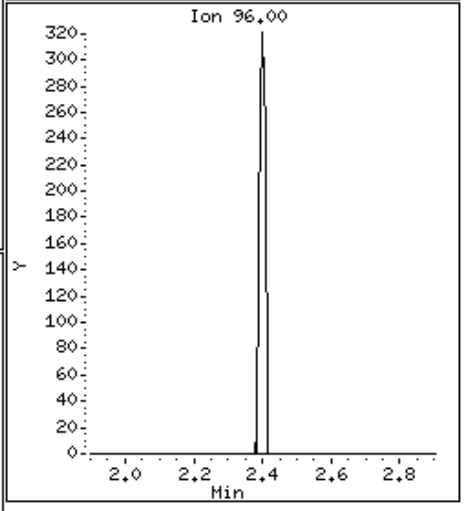
4 bromomethane

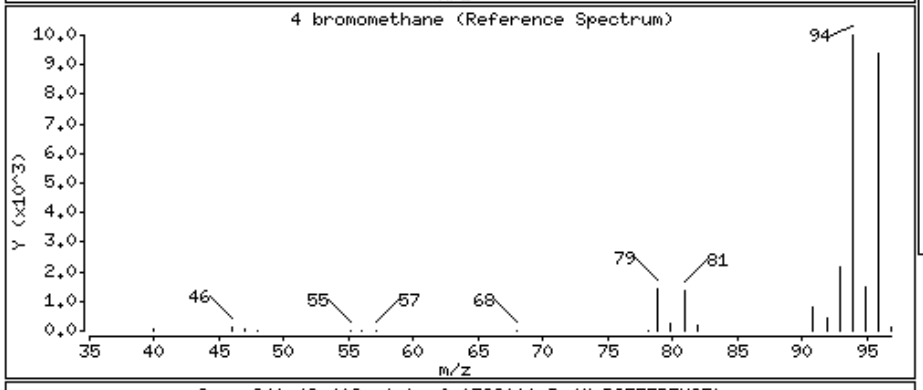
Concentration: 5.842 ngs

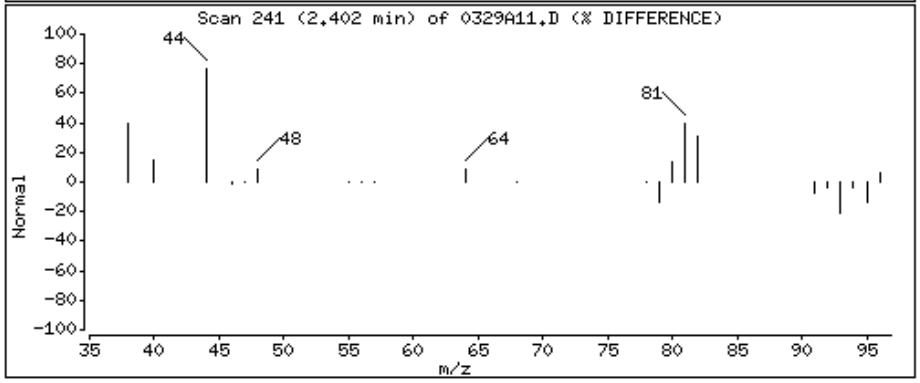












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A11.D

Date : 29-MAR-2016 12:57

Client ID:

Instrument: Voa105.i

Sample Info: 11607846-04,31,10,,a

Purge Volume: 10.0

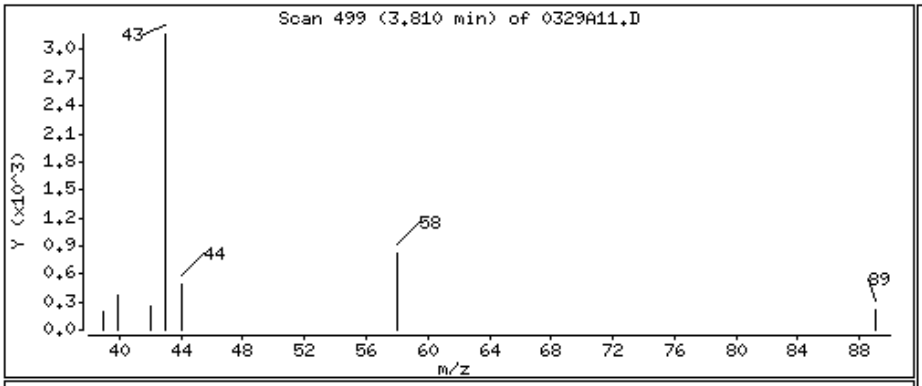
Operator: PD

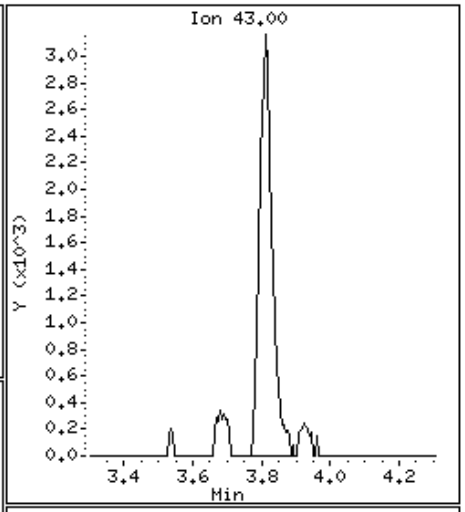
Column phase:

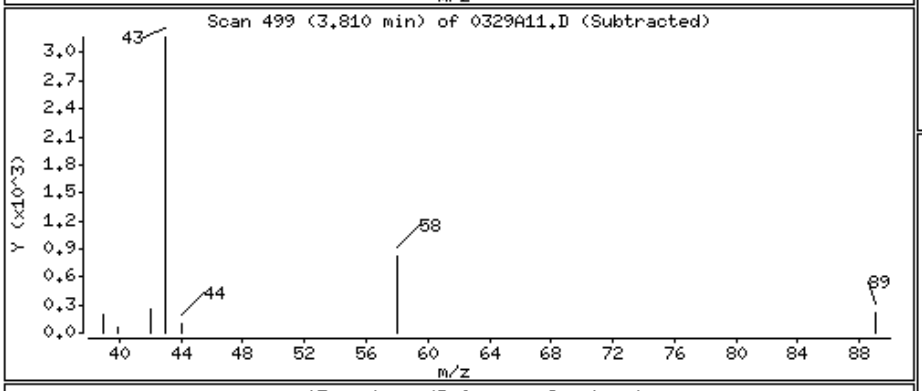
Column diameter: 0.18

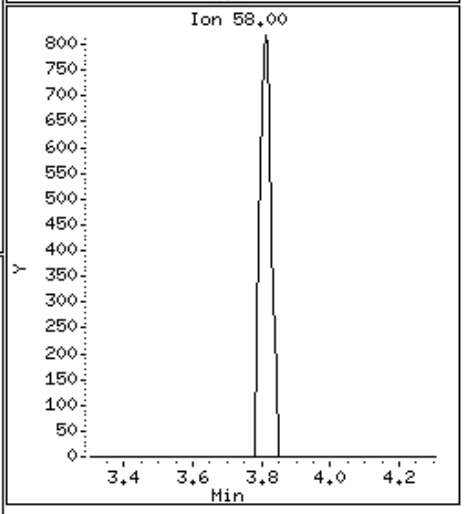
13 acetone

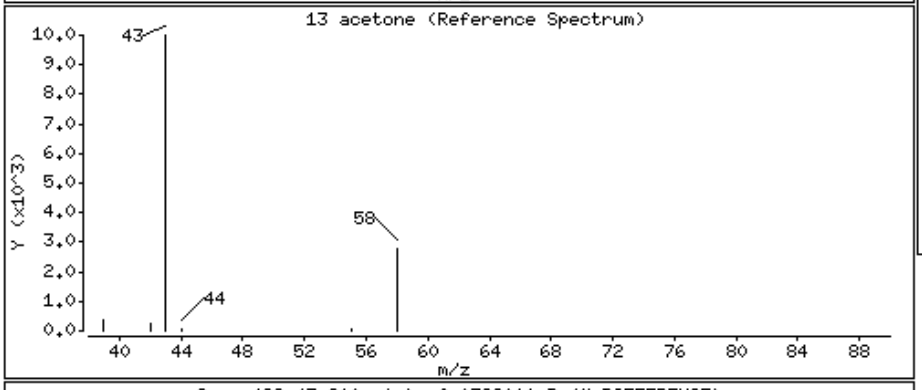
Concentration: 49.587 ngs

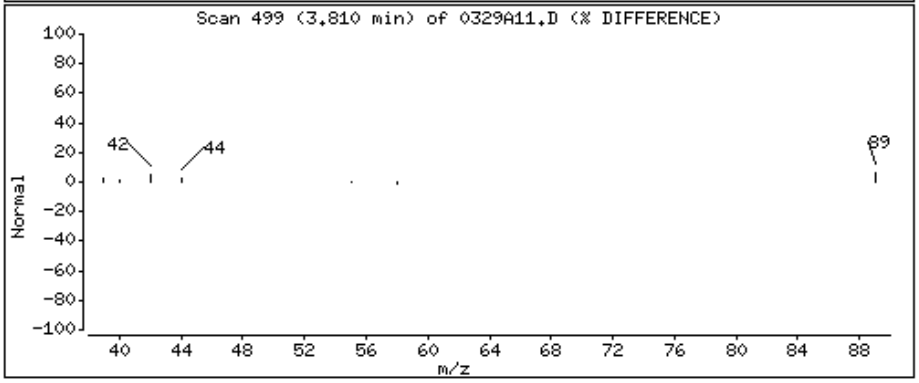












Manual Integration

Sample Info : l1607846-04,31,10,,a
wg878773,ical12154

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0329A11.D
Injection Date : 29-MAR-2016 12:57
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

There are no manual integrations in this file.

Alpha Analytical Labs

gc/ms voa - VOA105

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A12.D
Lab Smp Id:
Inj Date : 29-MAR-2016 13:21
Operator : PD Inst ID: Voa105.i
Smp Info : l1607846-05,31,10,,a
Misc Info : wg878773,ical12154
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Meth Date : 30-Mar-2016 12:32 Voa105.i Quant Type: ISTD
Cal Date : 16-MAR-2016 00:29 Cal File: 0215N09.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	Compound Not Detected.						
	2 chloromethane	50	Compound Not Detected.						
	3 vinyl chloride	62	Compound Not Detected.						
	4 bromomethane	94	2.401	2.401	(0.381)	414	5.94074	5.940(Q)	
	5 chloroethane	64	Compound Not Detected.						
	6 trichlorofluoromethane	101	Compound Not Detected.						
	8 1,1,-dichloroethene	96	Compound Not Detected.						
	10 freon-113	101	Compound Not Detected.						
	9 carbon disulfide	76	Compound Not Detected.						
	11 methylene chloride	84	Compound Not Detected.						
	13 acetone	43	3.809	3.803	(0.604)	8669	60.0002	60.000	
	14 trans-1,2-dichloroethene	96	Compound Not Detected.						
	15 Methyl Acetate	43	Compound Not Detected.						
	16 methyl tert butyl ether	73	Compound Not Detected.						
	19 1,1-dichloroethane	63	Compound Not Detected.						
	23 vinyl acetate	43	Compound Not Detected.						
	24 cis-1,2-dichloroethene	96	Compound Not Detected.						
	27 bromochloromethane	128	Compound Not Detected.						
	26 Cyclohexane	56	Compound Not Detected.						
	28 chloroform	83	Compound Not Detected.						
	30 carbontetrachloride	117	Compound Not Detected.						
$	32 dibromofluoromethane	113	5.484	5.484	(0.870)	105775	94.5327	94.532	
	33 1,1,1-trichloroethane	97	Compound Not Detected.						
	34 2-butanone	43	Compound Not Detected.						
	36 benzene	78	Compound Not Detected.						
$	38 1,2-dichloroethane-d4	65	6.019	6.024	(0.955)	143286	121.099	121.098	
	39 1,2-dichloroethane	62	Compound Not Detected.						
*	41 flourobenzene	96	6.303	6.303	(1.000)	429353	100.000		
	42 methyl cyclohexane	83	Compound Not Detected.						
	43 trichloroethene	95	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	46 1,2-dichloropropane	63	Compound Not Detected.						
	47 bromodichloromethane	83	Compound Not Detected.						
	52 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	53 toluene-d8	98	7.999	7.999	(0.811)	412900	106.077	106.076	
	54 toluene	92	8.054	8.059	(0.817)	1938	1.01566	1.015	
	56 4-methyl-2-pentanone	58	Compound Not Detected.						
	55 tetrachloroethene	166	Compound Not Detected.						
	57 trans-1,3-dichloropropene	75	Compound Not Detected.						
	60 1,1,2-trichloroethane	83	Compound Not Detected.						
	61 chlorodibromomethane	129	Compound Not Detected.						
	64 1,2-dibromoethane	107	Compound Not Detected.						
	65 2-hexanone	43	Compound Not Detected.						
*	66 chlorobenzene-d5	117	9.860	9.855	(1.000)	312247	100.000		
	67 chlorobenzene	112	Compound Not Detected.						
	68 ethyl benzene	91	Compound Not Detected.						
	70 p/m xylene	106	Compound Not Detected.						
	71 o xylene	106	Compound Not Detected.						
	72 styrene	104	Compound Not Detected.						
	73 bromoform	173	Compound Not Detected.						
	74 isopropylbenzene	105	Compound Not Detected.						
$	75 4-bromofluorobenzene	95	11.312	11.311	(0.905)	155313	112.446	112.446	
	79 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
	92 1,3-dichlorobenzene	146	Compound Not Detected.						
*	93 1,4-dichlorobenzene-d4	152	12.496	12.495	(1.000)	133430	100.000		
	94 1,4-dichlorobenzene	146	Compound Not Detected.						
	97 1,2-dichlorobenzene	146	Compound Not Detected.						
	99 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	102 1,2,4-trichlorobenzene	180	Compound Not Detected.						
	104 1,2,3-trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa105.i
Lab File ID: 0329A12.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Misc Info: wg878773,ical12154

Calibration Date: 29-MAR-2016
Calibration Time: 09:24
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	477691	238846	955382	429353	-10.12
66 chlorobenzene-d5	352765	176383	705530	312247	-11.49
93 1,4-dichlorobenze	156045	78023	312090	133430	-14.49

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	6.30	5.80	6.80	6.30	0.00
66 chlorobenzene-d5	9.86	9.36	10.36	9.86	0.06
93 1,4-dichlorobenze	12.50	12.00	13.00	12.50	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

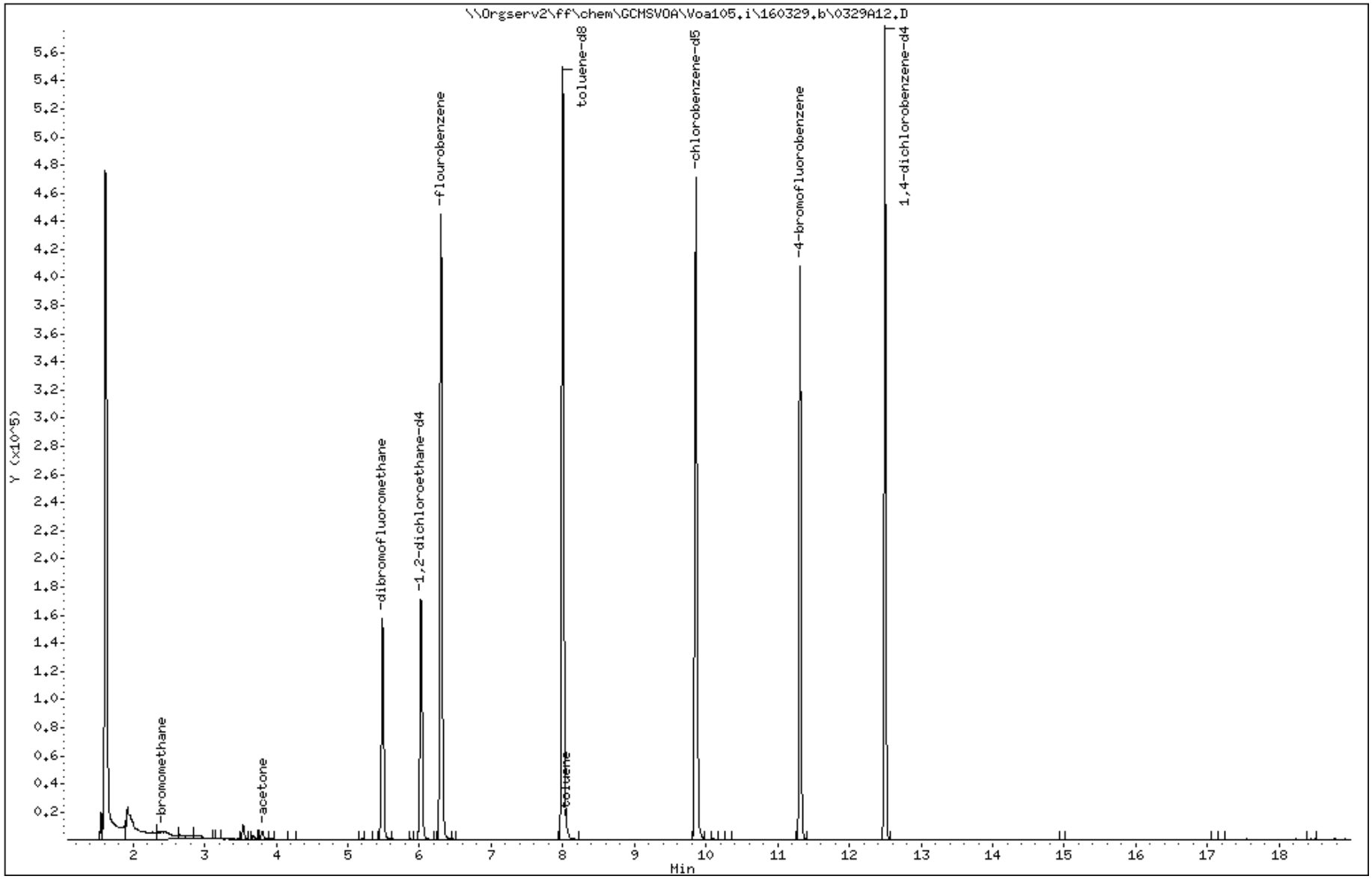
RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Misc Info: wg878773,ical12154

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	94.532	94.53	70-130
$ 38 1,2-dichloroethane	100.000	121.098	121.10	70-130
$ 53 toluene-d8	100.000	106.076	106.08	70-130
$ 75 4-bromofluorobenze	100.000	112.446	112.45	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A12.D
Date : 29-MAR-2016 13:21
Client ID:
Sample Info: 11607846-05,31,10,,a
Purge Volume: 10.0
Column phase:

Instrument: Voa105.i
Operator: PD
Column diameter: 0.18



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Date : 29-MAR-2016 13:21

Client ID:

Instrument: Voa105.i

Sample Info: 11607846-05,31,10,,a

Purge Volume: 10.0

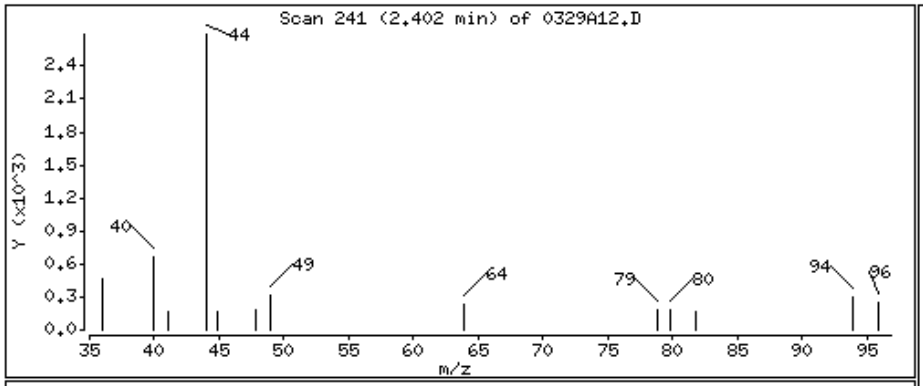
Operator: PD

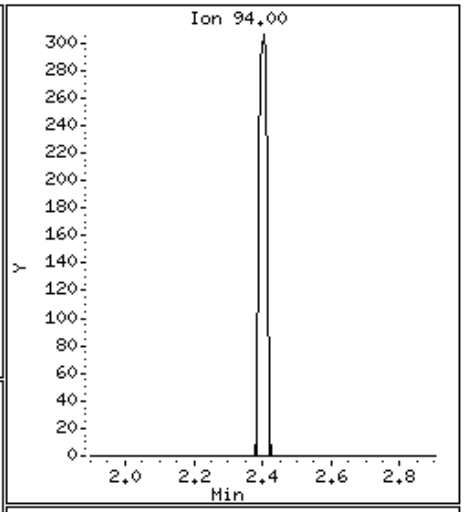
Column phase:

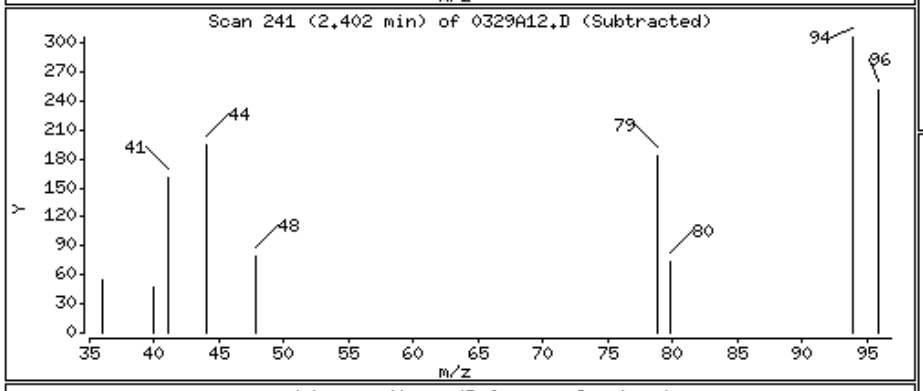
Column diameter: 0.18

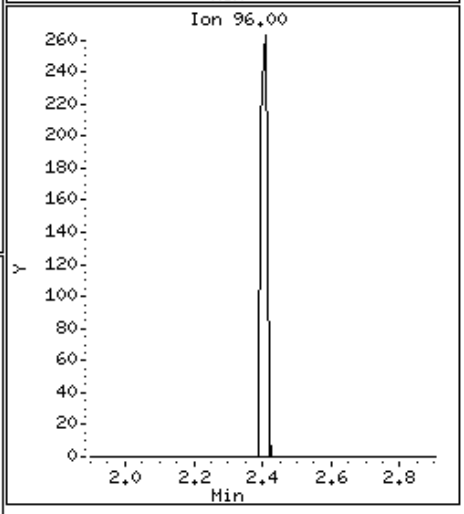
4 bromomethane

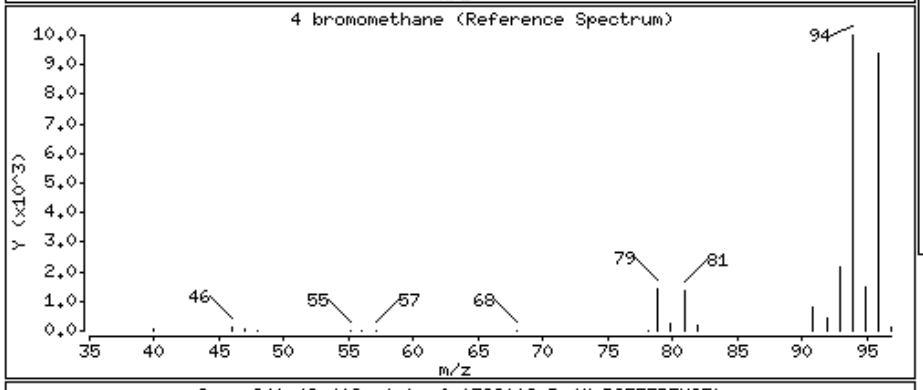
Concentration: 5.940 ngs

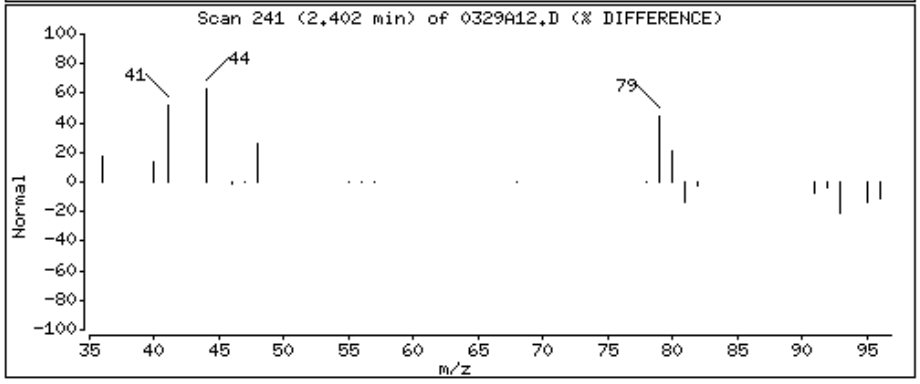












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A12.D

Date : 29-MAR-2016 13:21

Client ID:

Instrument: Voa105.i

Sample Info: 11607846-05,31,10,,a

Purge Volume: 10.0

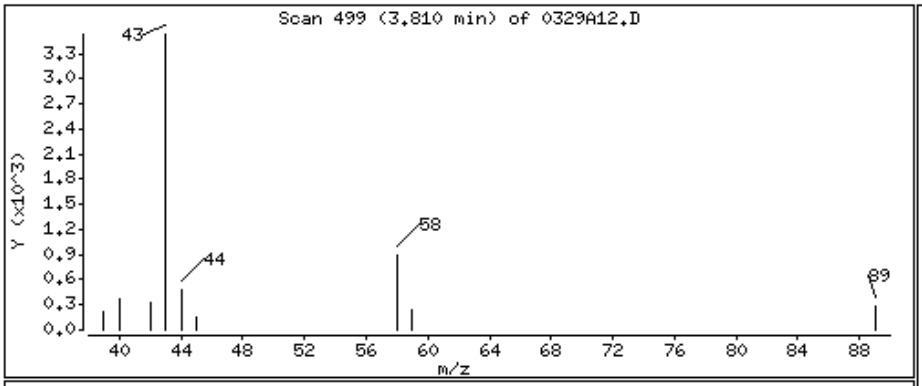
Operator: PD

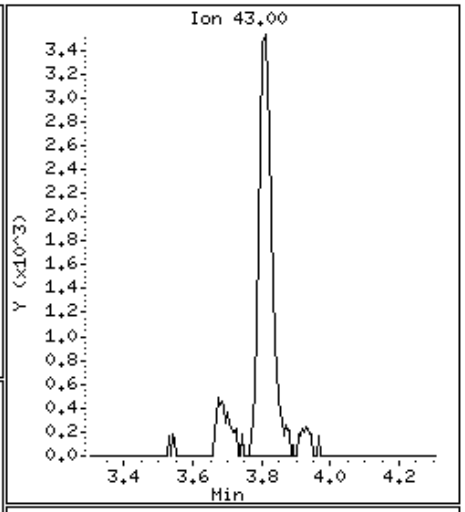
Column phase:

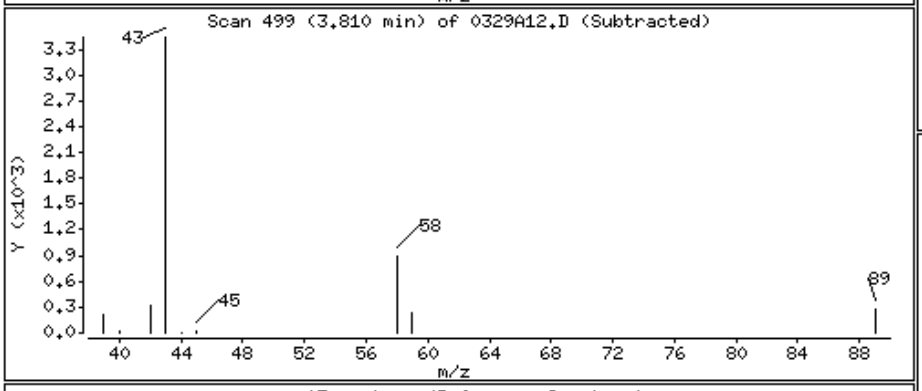
Column diameter: 0.18

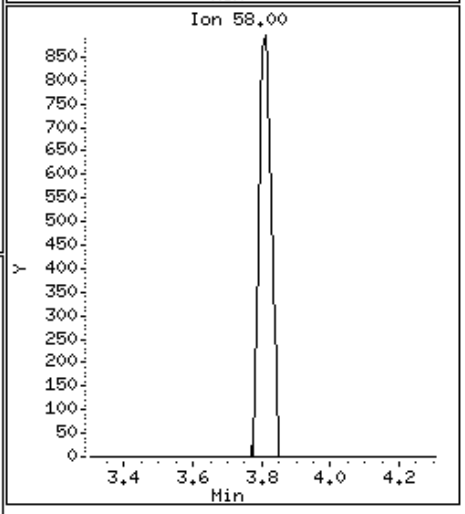
13 acetone

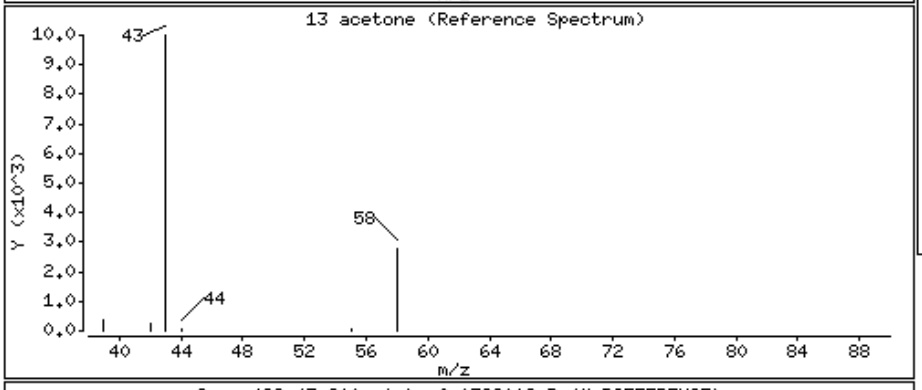
Concentration: 60.000 ngs

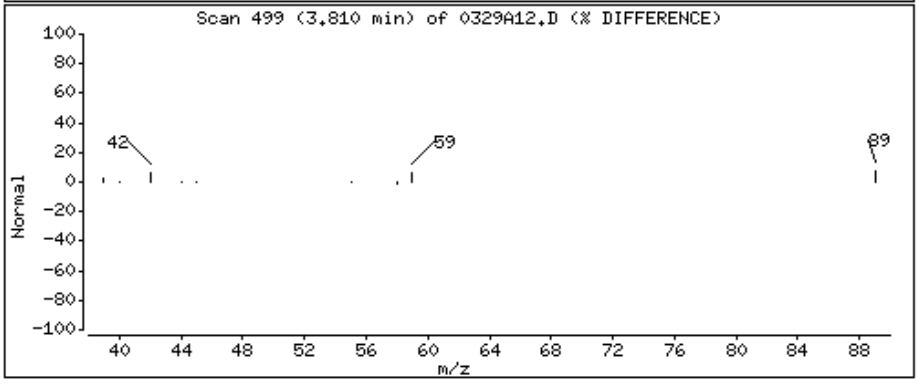












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A12.D

Date : 29-MAR-2016 13:21

Client ID:

Instrument: Voa105.i

Sample Info: 11607846-05,31,10,,a

Purge Volume: 10.0

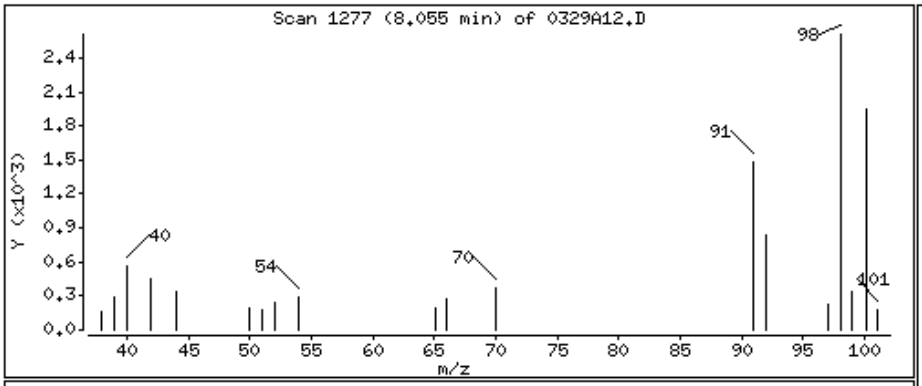
Operator: PD

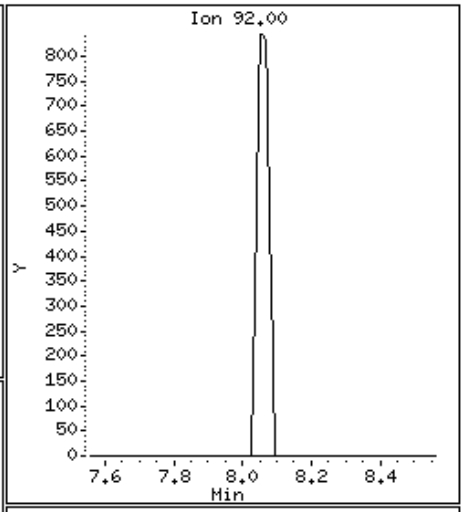
Column phase:

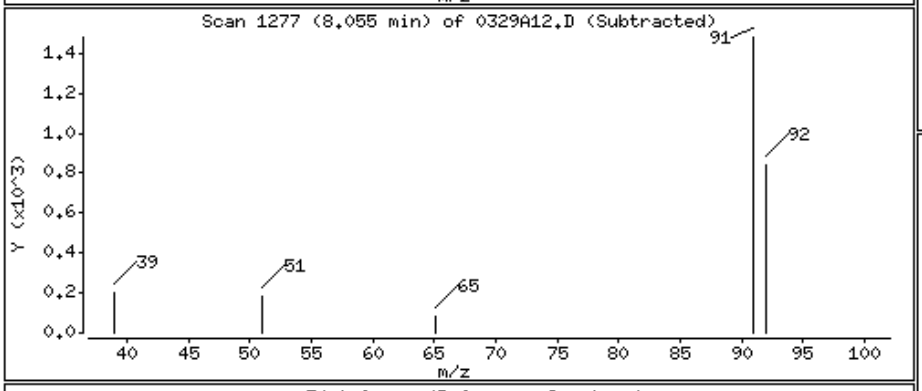
Column diameter: 0.18

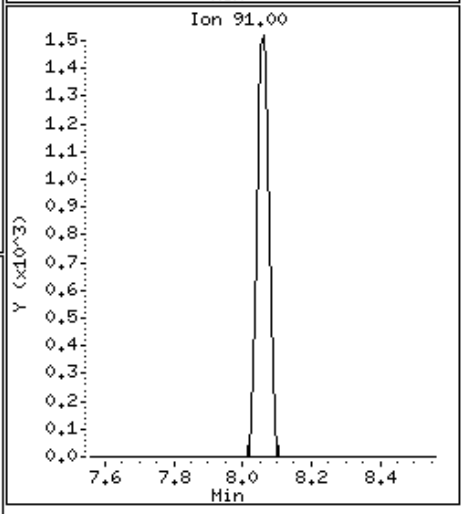
54 toluene

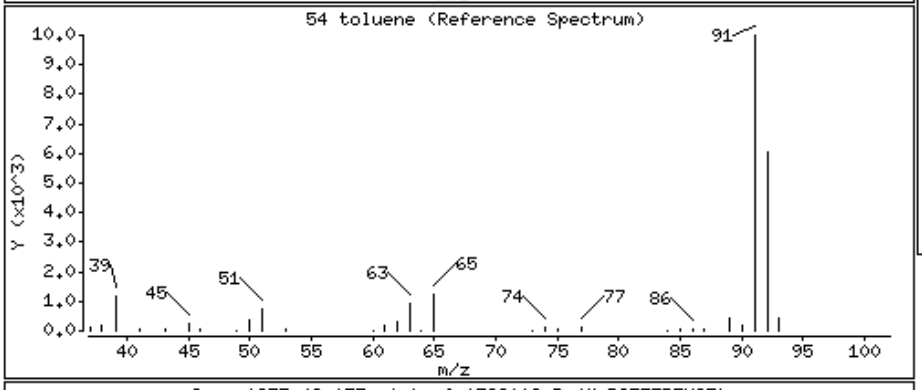
Concentration: 1.015 ngs

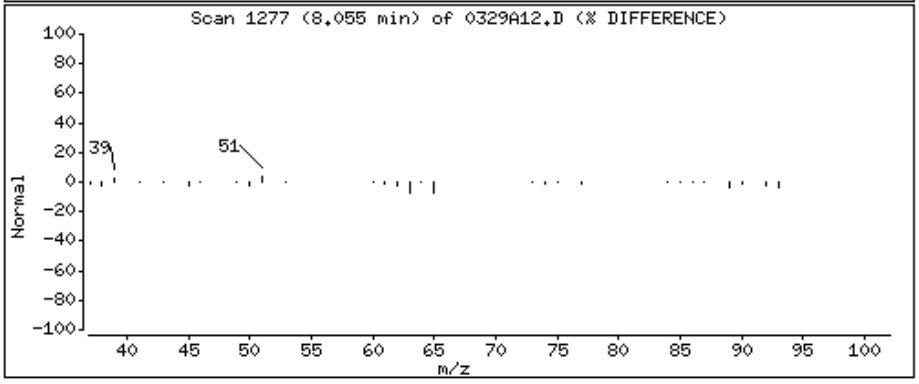












Manual Integration

Sample Info : l1607846-05,31,10,,a
wg878773,ical12154

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0329A12.D
Injection Date : 29-MAR-2016 13:21
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

There are no manual integrations in this file.

Alpha Analytical Labs

gc/ms voa - VOA105

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A13.D
Lab Smp Id:
Inj Date : 29-MAR-2016 13:44
Operator : PD Inst ID: Voa105.i
Smp Info : l1607846-06,31,10,,a
Misc Info : wg878773,ical12154
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Meth Date : 30-Mar-2016 12:32 Voa105.i Quant Type: ISTD
Cal Date : 16-MAR-2016 00:29 Cal File: 0215N09.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	Compound Not Detected.						
	2 chloromethane	50	Compound Not Detected.						
	3 vinyl chloride	62	Compound Not Detected.						
	4 bromomethane	94	2.401	2.401	(0.381)	454	6.08440	6.084(Q)	
	5 chloroethane	64	Compound Not Detected.						
	6 trichlorofluoromethane	101	Compound Not Detected.						
	8 1,1,-dichloroethene	96	Compound Not Detected.						
	10 freon-113	101	Compound Not Detected.						
	9 carbon disulfide	76	Compound Not Detected.						
	11 methylene chloride	84	Compound Not Detected.						
	13 acetone	43	3.809	3.803	(0.604)	8861	63.5447	63.544	
	14 trans-1,2-dichloroethene	96	Compound Not Detected.						
	15 Methyl Acetate	43	Compound Not Detected.						
	16 methyl tert butyl ether	73	Compound Not Detected.						
	19 1,1-dichloroethane	63	Compound Not Detected.						
	23 vinyl acetate	43	Compound Not Detected.						
	24 cis-1,2-dichloroethene	96	Compound Not Detected.						
	27 bromochloromethane	128	Compound Not Detected.						
	26 Cyclohexane	56	Compound Not Detected.						
	28 chloroform	83	Compound Not Detected.						
	30 carbontetrachloride	117	Compound Not Detected.						
$	32 dibromofluoromethane	113	5.484	5.484	(0.870)	103238	94.1186	94.118	
	33 1,1,1-trichloroethane	97	Compound Not Detected.						
	34 2-butanone	43	Compound Not Detected.						
	36 benzene	78	Compound Not Detected.						
$	38 1,2-dichloroethane-d4	65	6.019	6.024	(0.955)	140583	121.201	121.200	
	39 1,2-dichloroethane	62	Compound Not Detected.						
*	41 flourobenzene	96	6.303	6.303	(1.000)	420899	100.000		
	42 methyl cyclohexane	83	Compound Not Detected.						
	43 trichloroethene	95	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	46 1,2-dichloropropane	63	Compound Not Detected.						
	47 bromodichloromethane	83	Compound Not Detected.						
	52 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	53 toluene-d8	98	7.999	7.999	(0.811)	405757	106.286	106.286	
	54 toluene	92	8.059	8.059	(0.817)	3284	1.75483	1.754	
	56 4-methyl-2-pentanone	58	Compound Not Detected.						
	55 tetrachloroethene	166	Compound Not Detected.						
	57 trans-1,3-dichloropropene	75	Compound Not Detected.						
	60 1,1,2-trichloroethane	83	Compound Not Detected.						
	61 chlorodibromomethane	129	Compound Not Detected.						
	64 1,2-dibromoethane	107	Compound Not Detected.						
	65 2-hexanone	43	Compound Not Detected.						
*	66 chlorobenzene-d5	117	9.860	9.855	(1.000)	306241	100.000		
	67 chlorobenzene	112	Compound Not Detected.						
	68 ethyl benzene	91	Compound Not Detected.						
	70 p/m xylene	106	Compound Not Detected.						
	71 o xylene	106	Compound Not Detected.						
	72 styrene	104	Compound Not Detected.						
	73 bromoform	173	Compound Not Detected.						
	74 isopropylbenzene	105	Compound Not Detected.						
$	75 4-bromofluorobenzene	95	11.311	11.311	(0.905)	152309	111.138	111.137	
	79 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
	92 1,3-dichlorobenzene	146	Compound Not Detected.						
*	93 1,4-dichlorobenzene-d4	152	12.495	12.495	(1.000)	132390	100.000		
	94 1,4-dichlorobenzene	146	Compound Not Detected.						
	97 1,2-dichlorobenzene	146	Compound Not Detected.						
	99 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	102 1,2,4-trichlorobenzene	180	Compound Not Detected.						
	104 1,2,3-trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa105.i
Lab File ID: 0329A13.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Misc Info: wg878773,ical12154

Calibration Date: 29-MAR-2016
Calibration Time: 09:24
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	477691	238846	955382	420899	-11.89
66 chlorobenzene-d5	352765	176383	705530	306241	-13.19
93 1,4-dichlorobenze	156045	78023	312090	132390	-15.16

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	6.30	5.80	6.80	6.30	0.00
66 chlorobenzene-d5	9.86	9.36	10.36	9.86	0.06
93 1,4-dichlorobenze	12.50	12.00	13.00	12.50	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

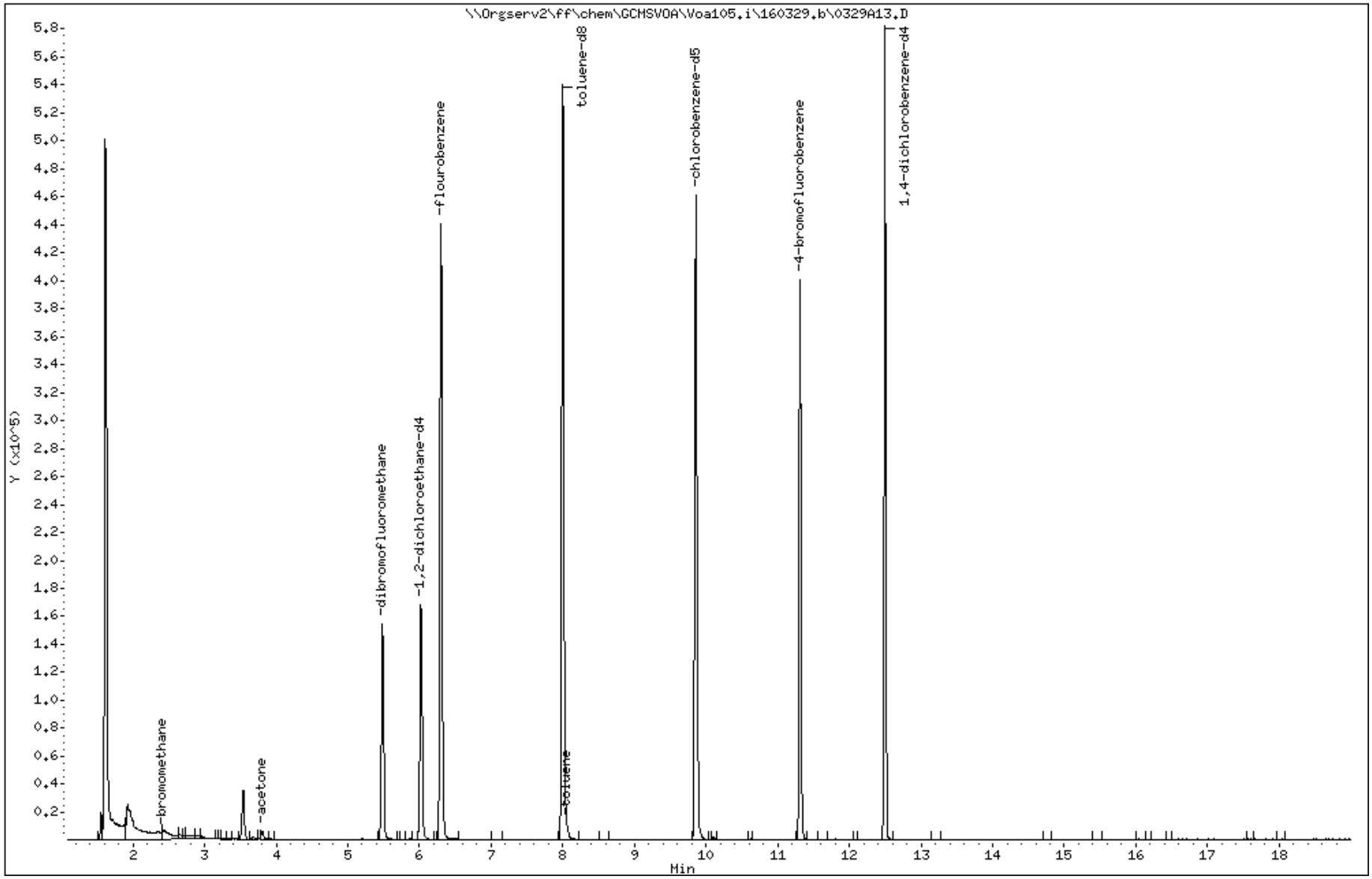
Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Misc Info: wg878773,ical12154

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	94.118	94.12	70-130
$ 38 1,2-dichloroethane	100.000	121.200	121.20	70-130
$ 53 toluene-d8	100.000	106.286	106.29	70-130
$ 75 4-bromofluorobenze	100.000	111.137	111.14	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A13.D
Date : 29-MAR-2016 13:44
Client ID:
Instrument: Voa105.i
Sample Info: 11607846-06,31,10,,a
Purge Volume: 10.0
Operator: PD
Column phase:
Column diameter: 0.18



Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A13.D

Date : 29-MAR-2016 13:44

Client ID:

Instrument: Voa105.i

Sample Info: 11607846-06,31,10,,a

Purge Volume: 10.0

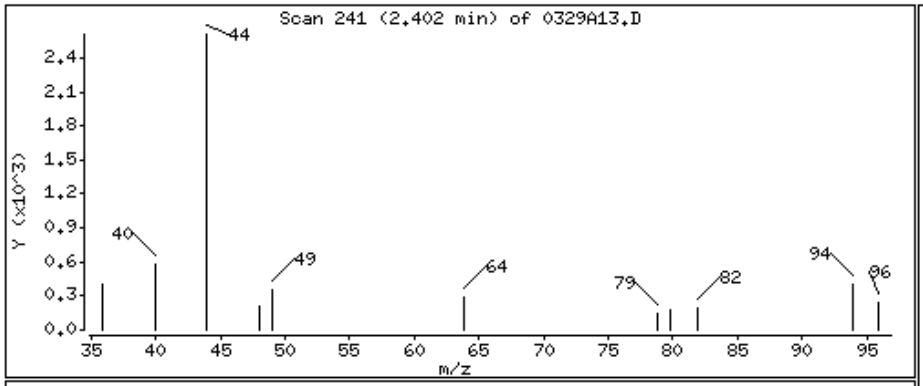
Operator: PD

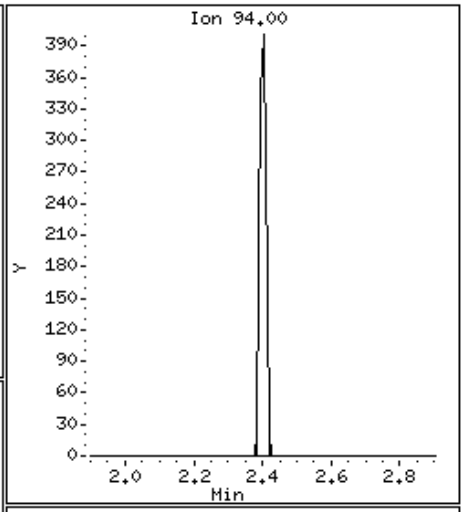
Column phase:

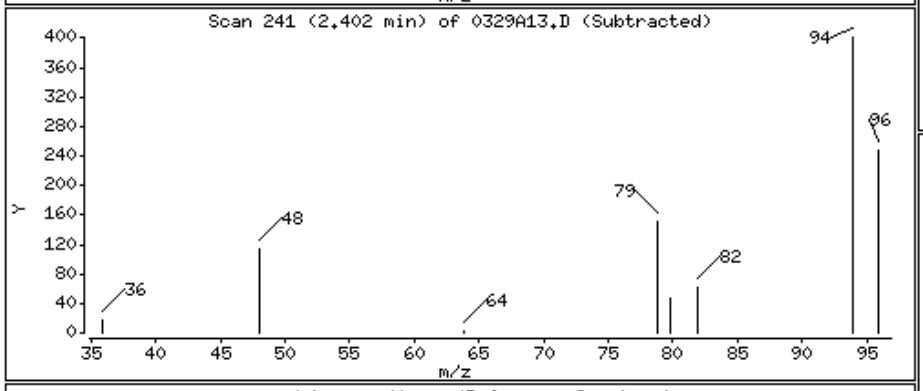
Column diameter: 0.18

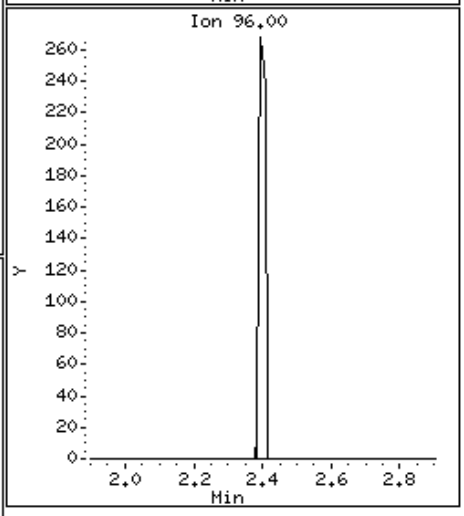
4 bromomethane

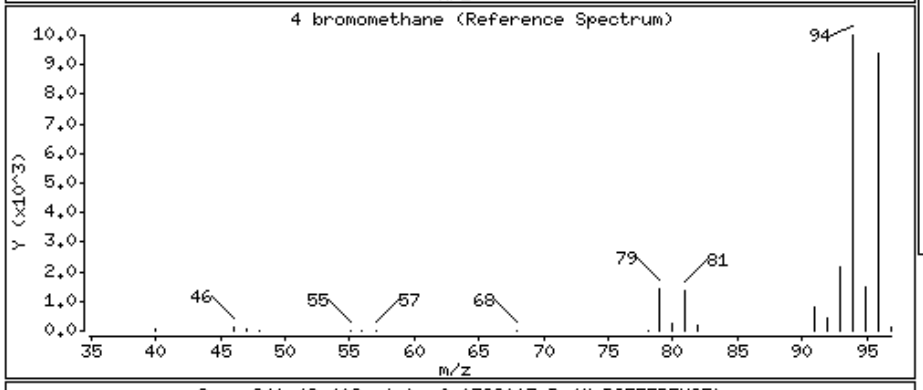
Concentration: 6.084 ngs

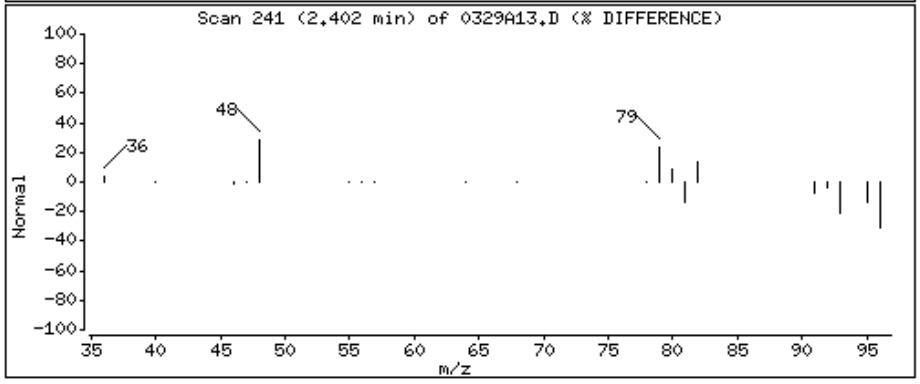












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A13.D

Date : 29-MAR-2016 13:44

Client ID:

Instrument: Voa105.i

Sample Info: 11607846-06,31,10,,a

Purge Volume: 10.0

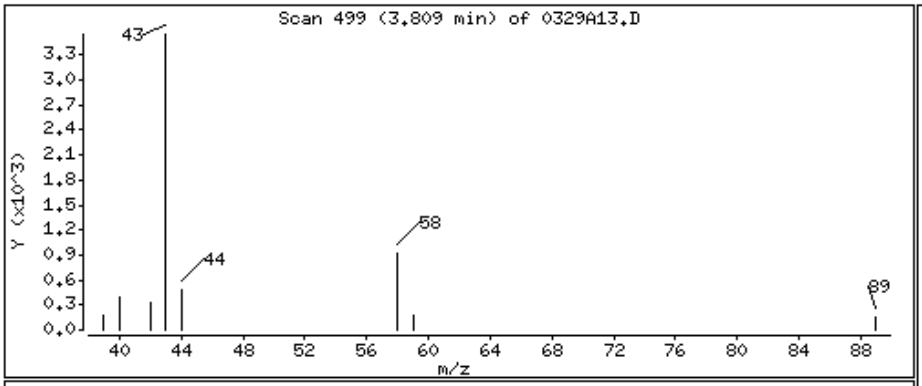
Operator: PD

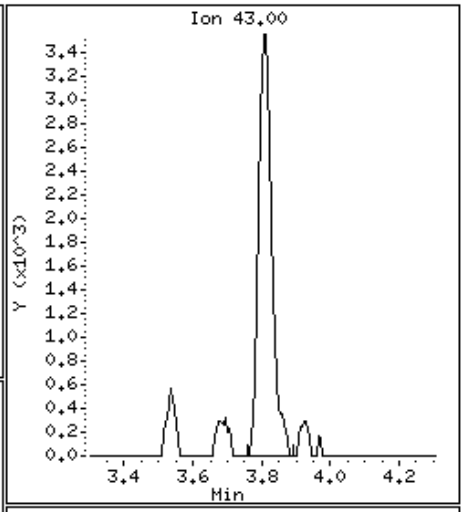
Column phase:

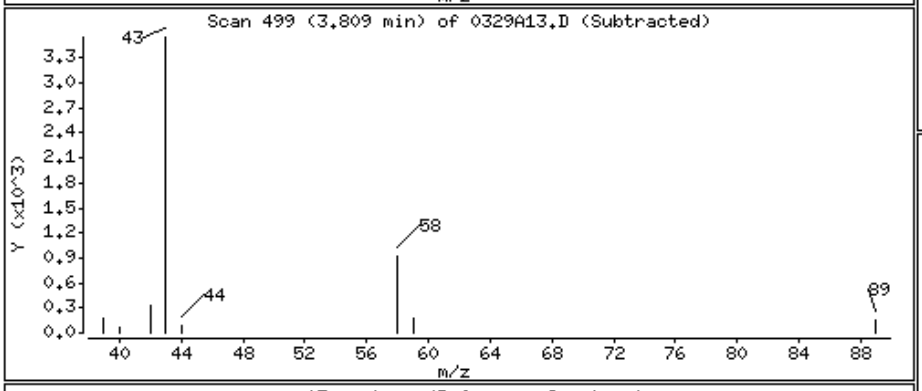
Column diameter: 0.18

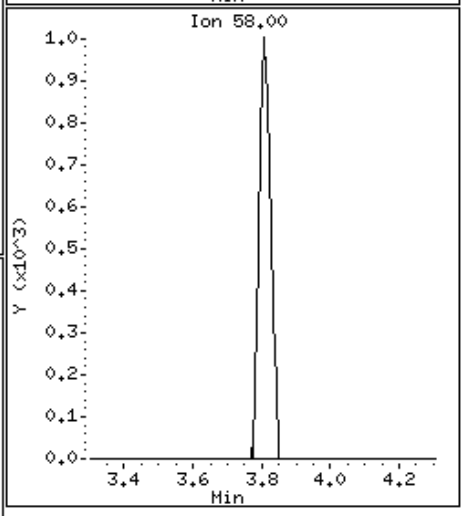
13 acetone

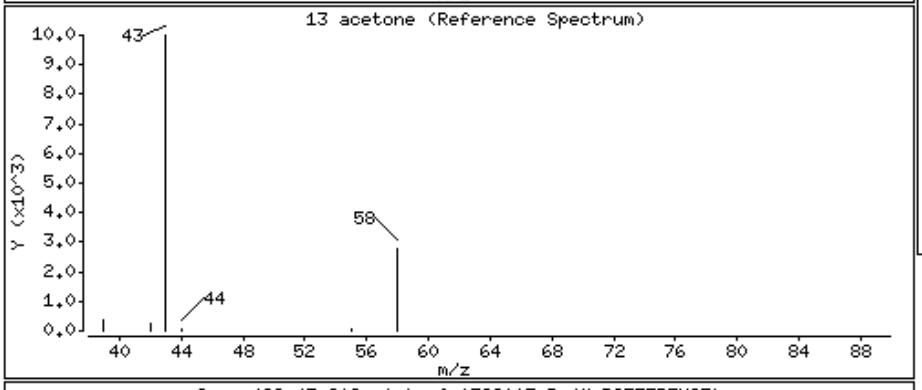
Concentration: 63.544 ngs

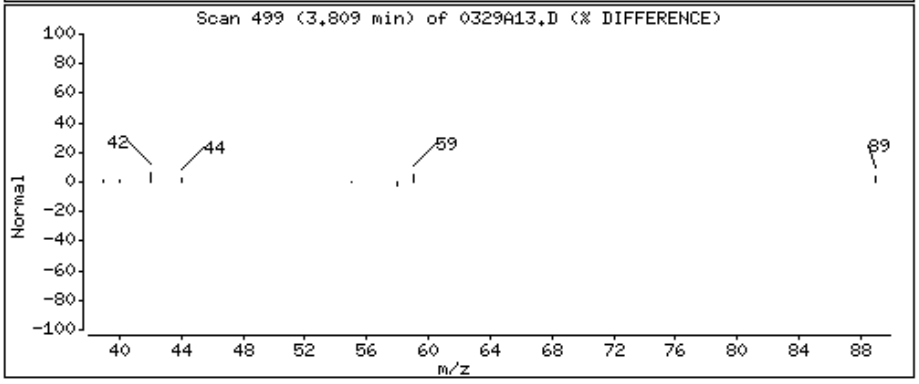












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A13.D

Date : 29-MAR-2016 13:44

Client ID:

Instrument: Voa105.i

Sample Info: 11607846-06,31,10,,a

Purge Volume: 10.0

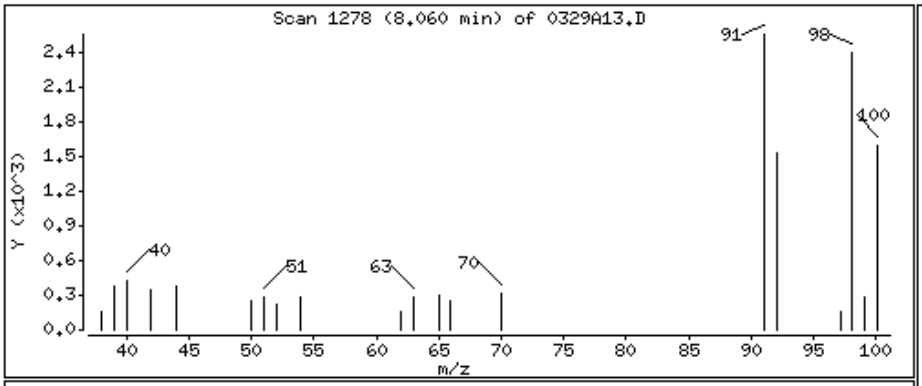
Operator: PD

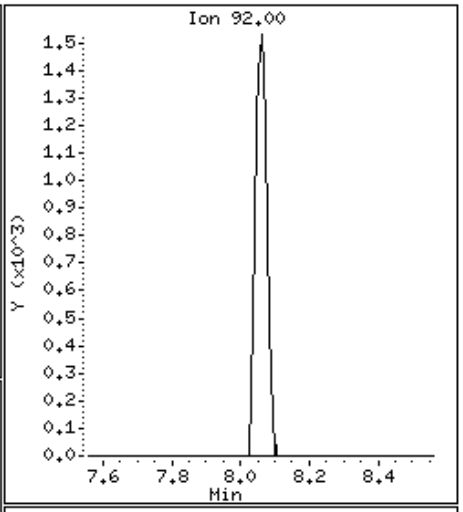
Column phase:

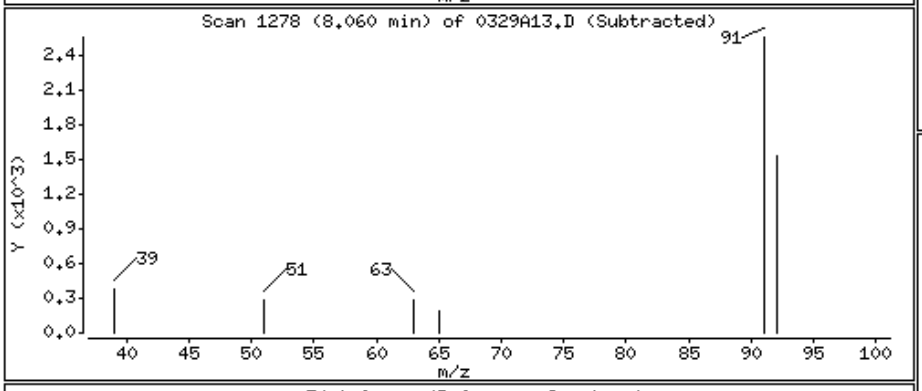
Column diameter: 0.18

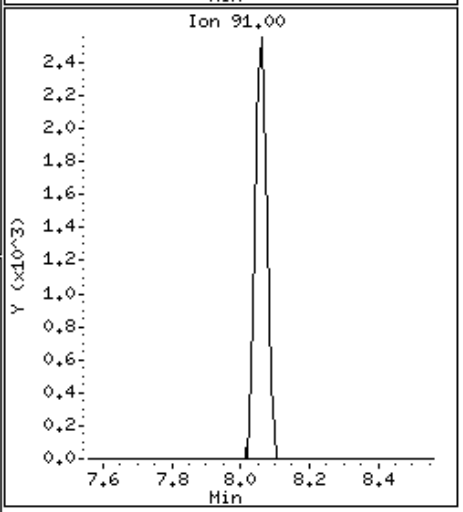
54 toluene

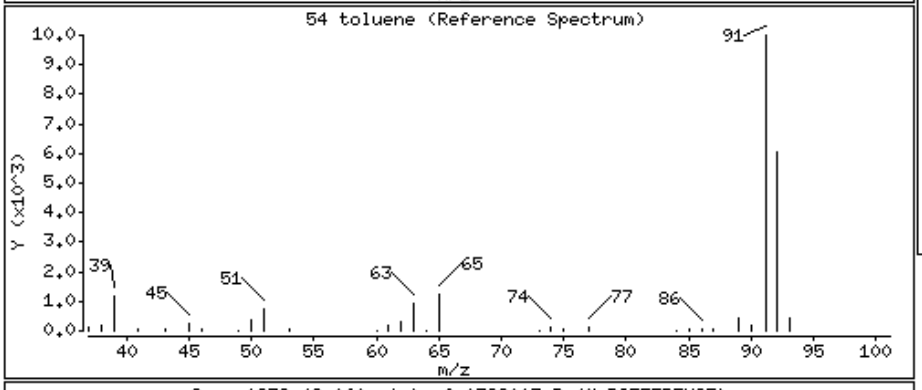
Concentration: 1.754 ngs

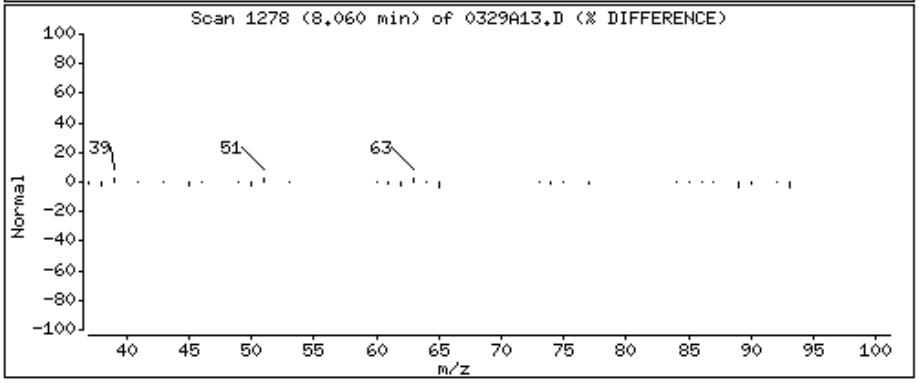












Manual Integration

Sample Info : l1607846-06,31,10,,a
wg878773,ical12154

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0329A13.D
Injection Date : 29-MAR-2016 13:44
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

There are no manual integrations in this file.

Alpha Analytical Labs

gc/ms voa - VOA105

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A14.D
Lab Smp Id:
Inj Date : 29-MAR-2016 14:08
Operator : PD Inst ID: Voa105.i
Smp Info : l1607846-07,31,10,,a
Misc Info : wg878773,ical12154
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Meth Date : 30-Mar-2016 12:32 Voa105.i Quant Type: ISTD
Cal Date : 16-MAR-2016 00:29 Cal File: 0215N09.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	Compound Not Detected.						
	2 chloromethane	50	Compound Not Detected.						
	3 vinyl chloride	62	Compound Not Detected.						
	4 bromomethane	94	Compound Not Detected.						
	5 chloroethane	64	Compound Not Detected.						
	6 trichlorofluoromethane	101	Compound Not Detected.						
	8 1,1,-dichloroethene	96	Compound Not Detected.						
	10 freon-113	101	Compound Not Detected.						
	9 carbon disulfide	76	Compound Not Detected.						
	11 methylene chloride	84	Compound Not Detected.						
	13 acetone	43	3.809	3.803	(0.604)	8033	57.2676	57.267	
	14 trans-1,2-dichloroethene	96	Compound Not Detected.						
	15 Methyl Acetate	43	Compound Not Detected.						
	16 methyl tert butyl ether	73	Compound Not Detected.						
	19 1,1-dichloroethane	63	Compound Not Detected.						
	23 vinyl acetate	43	Compound Not Detected.						
	24 cis-1,2-dichloroethene	96	Compound Not Detected.						
	27 bromochloromethane	128	Compound Not Detected.						
	26 Cyclohexane	56	Compound Not Detected.						
	28 chloroform	83	Compound Not Detected.						
	30 carbontetrachloride	117	Compound Not Detected.						
$	32 dibromofluoromethane	113	5.484	5.484	(0.870)	101390	94.5706	94.570	
	33 1,1,1-trichloroethane	97	Compound Not Detected.						
	34 2-butanone	43	Compound Not Detected.						
	36 benzene	78	Compound Not Detected.						
$	38 1,2-dichloroethane-d4	65	6.024	6.024	(0.956)	137979	121.706	121.705	
	39 1,2-dichloroethane	62	Compound Not Detected.						
*	41 flourobenzene	96	6.303	6.303	(1.000)	411389	100.000		
	42 methyl cyclohexane	83	Compound Not Detected.						
	43 trichloroethene	95	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	46 1,2-dichloropropane	63	Compound Not Detected.						
	47 bromodichloromethane	83	Compound Not Detected.						
	52 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	53 toluene-d8	98	8.000	7.999	(0.811)	398969	106.376	106.375	
	54 toluene	92	Compound Not Detected.						
	56 4-methyl-2-pentanone	58	Compound Not Detected.						
	55 tetrachloroethene	166	Compound Not Detected.						
	57 trans-1,3-dichloropropene	75	Compound Not Detected.						
	60 1,1,2-trichloroethane	83	Compound Not Detected.						
	61 chlorodibromomethane	129	Compound Not Detected.						
	64 1,2-dibromoethane	107	Compound Not Detected.						
	65 2-hexanone	43	Compound Not Detected.						
*	66 chlorobenzene-d5	117	9.860	9.855	(1.000)	300864	100.000		
	67 chlorobenzene	112	Compound Not Detected.						
	68 ethyl benzene	91	Compound Not Detected.						
	70 p/m xylene	106	Compound Not Detected.						
	71 o xylene	106	Compound Not Detected.						
	72 styrene	104	Compound Not Detected.						
	73 bromoform	173	Compound Not Detected.						
	74 isopropylbenzene	105	Compound Not Detected.						
$	75 4-bromofluorobenzene	95	11.312	11.311	(0.905)	149625	110.697	110.696	
	79 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
	92 1,3-dichlorobenzene	146	Compound Not Detected.						
*	93 1,4-dichlorobenzene-d4	152	12.496	12.495	(1.000)	130575	100.000		
	94 1,4-dichlorobenzene	146	Compound Not Detected.						
	97 1,2-dichlorobenzene	146	Compound Not Detected.						
	99 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	102 1,2,4-trichlorobenzene	180	Compound Not Detected.						
	104 1,2,3-trichlorobenzene	180	Compound Not Detected.						

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa105.i
Lab File ID: 0329A14.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Misc Info: wg878773,ical12154

Calibration Date: 29-MAR-2016
Calibration Time: 09:24
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	477691	238846	955382	411389	-13.88
66 chlorobenzene-d5	352765	176383	705530	300864	-14.71
93 1,4-dichlorobenze	156045	78023	312090	130575	-16.32

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	6.30	5.80	6.80	6.30	0.00
66 chlorobenzene-d5	9.86	9.36	10.36	9.86	0.06
93 1,4-dichlorobenze	12.50	12.00	13.00	12.50	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

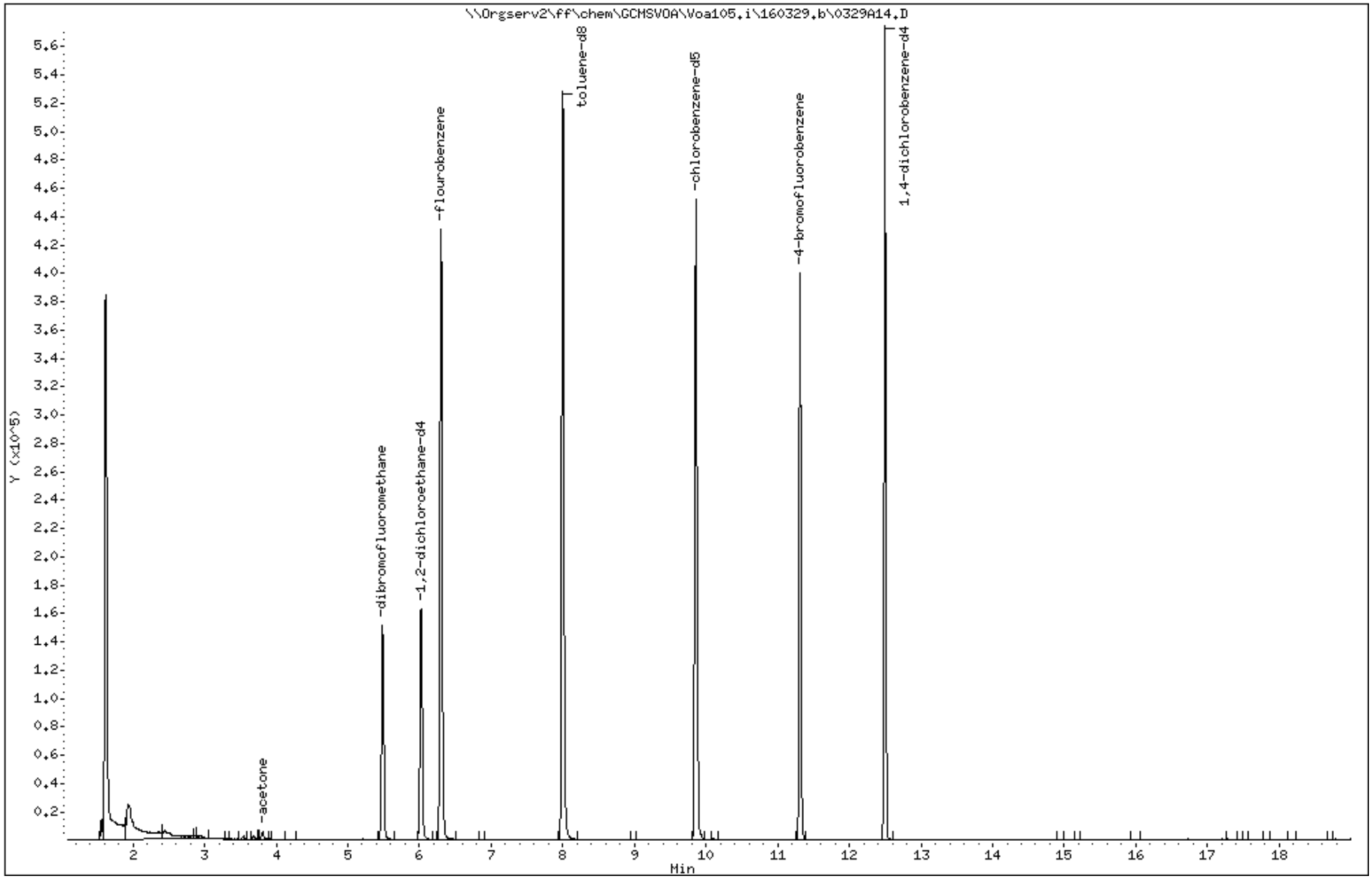
Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Misc Info: wg878773,ical12154

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	94.570	94.57	70-130
$ 38 1,2-dichloroethane	100.000	121.705	121.71	70-130
$ 53 toluene-d8	100.000	106.375	106.38	70-130
$ 75 4-bromofluorobenze	100.000	110.696	110.70	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A14.D
Date : 29-MAR-2016 14:08
Client ID:
Instrument: Voa105.i
Sample Info: 11607846-07,31,10,,a
Purge Volume: 10.0
Operator: PD
Column phase:
Column diameter: 0.18



Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A14.D

Date : 29-MAR-2016 14:08

Client ID:

Instrument: Voa105.i

Sample Info: 11607846-07,31,10,,a

Purge Volume: 10.0

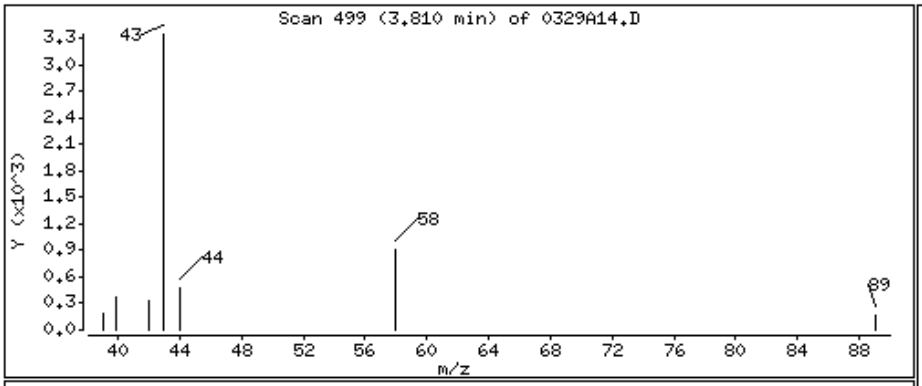
Operator: PD

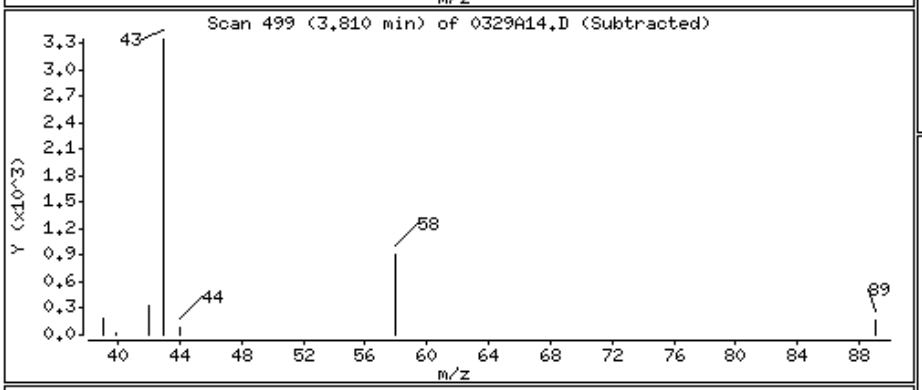
Column phase:

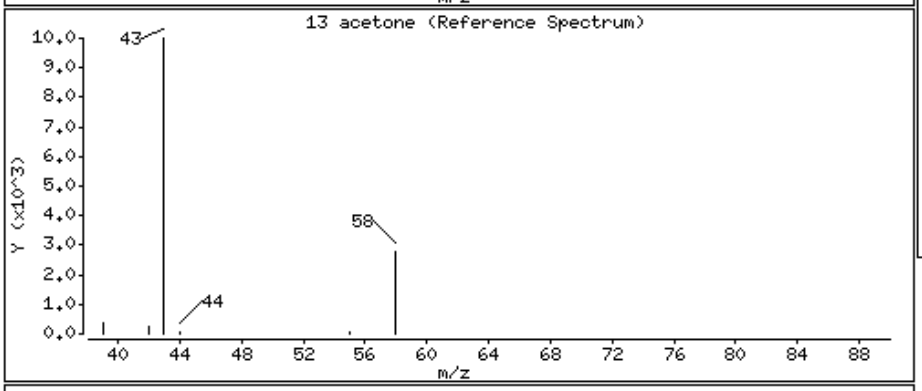
Column diameter: 0.18

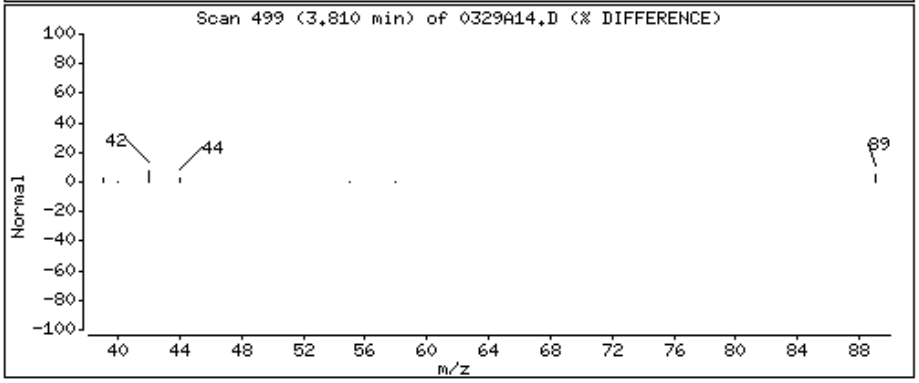
13 acetone

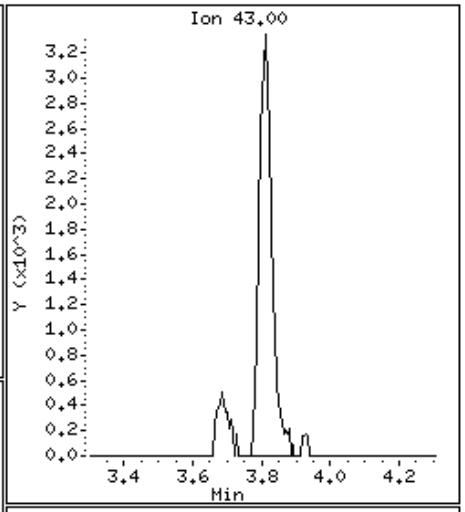
Concentration: 57.267 ngs

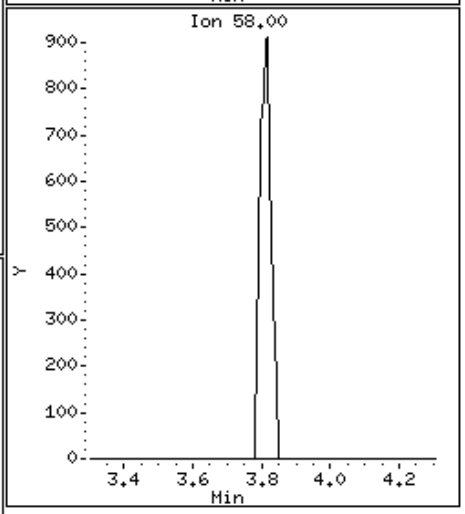












Manual Integration

Sample Info : l1607846-07,31,10,,a
wg878773,ical12154

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0329A14.D
Injection Date : 29-MAR-2016 14:08
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

There are no manual integrations in this file.

Alpha Analytical Labs

gc/ms voa - VOA105

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A15.D
Lab Smp Id:
Inj Date : 29-MAR-2016 14:32
Operator : PD Inst ID: Voa105.i
Smp Info : l1607846-08,31,10,,a
Misc Info : wg878773,ical12154
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Meth Date : 30-Mar-2016 12:32 Voa105.i Quant Type: ISTD
Cal Date : 16-MAR-2016 00:29 Cal File: 0215N09.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	Compound Not Detected.						
	2 chloromethane	50	Compound Not Detected.						
	3 vinyl chloride	62	Compound Not Detected.						
	4 bromomethane	94	Compound Not Detected.						
	5 chloroethane	64	Compound Not Detected.						
	6 trichlorofluoromethane	101	Compound Not Detected.						
	8 1,1,-dichloroethene	96	Compound Not Detected.						
	10 freon-113	101	Compound Not Detected.						
	9 carbon disulfide	76	Compound Not Detected.						
	11 methylene chloride	84	Compound Not Detected.						
	13 acetone	43	3.803	3.803	(0.604)	13714	112.581	112.581(M)	M1
	14 trans-1,2-dichloroethene	96	Compound Not Detected.						
	15 Methyl Acetate	43	Compound Not Detected.						
	16 methyl tert butyl ether	73	Compound Not Detected.						
	19 1,1-dichloroethane	63	Compound Not Detected.						
	23 vinyl acetate	43	Compound Not Detected.						
	24 cis-1,2-dichloroethene	96	Compound Not Detected.						
	27 bromochloromethane	128	Compound Not Detected.						
	26 Cyclohexane	56	Compound Not Detected.						
	28 chloroform	83	Compound Not Detected.						
	30 carbontetrachloride	117	Compound Not Detected.						
$	32 dibromofluoromethane	113	5.484	5.484	(0.870)	103102	95.1233	95.123	
	33 1,1,1-trichloroethane	97	Compound Not Detected.						
	34 2-butanone	43	Compound Not Detected.						
	36 benzene	78	Compound Not Detected.						
$	38 1,2-dichloroethane-d4	65	6.019	6.024	(0.955)	140630	122.697	122.697	
	39 1,2-dichloroethane	62	Compound Not Detected.						
*	41 flourobenzene	96	6.302	6.303	(1.000)	415905	100.000		
	42 methyl cyclohexane	83	Compound Not Detected.						
	43 trichloroethene	95	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	46 1,2-dichloropropane	63	Compound Not Detected.						
	47 bromodichloromethane	83	Compound Not Detected.						
	52 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	53 toluene-d8	98	7.999	7.999	(0.811)	403118	107.062	107.061	
	54 toluene	92	8.054	8.059	(0.817)	2758	1.49422	1.494	
	56 4-methyl-2-pentanone	58	Compound Not Detected.						
	55 tetrachloroethene	166	Compound Not Detected.						
	57 trans-1,3-dichloropropene	75	Compound Not Detected.						
	60 1,1,2-trichloroethane	83	Compound Not Detected.						
	61 chlorodibromomethane	129	Compound Not Detected.						
	64 1,2-dibromoethane	107	Compound Not Detected.						
	65 2-hexanone	43	Compound Not Detected.						
*	66 chlorobenzene-d5	117	9.860	9.855	(1.000)	302046	100.000		
	67 chlorobenzene	112	Compound Not Detected.						
	68 ethyl benzene	91	Compound Not Detected.						
	70 p/m xylene	106	Compound Not Detected.						
	71 o xylene	106	Compound Not Detected.						
	72 styrene	104	Compound Not Detected.						
	73 bromoform	173	Compound Not Detected.						
	74 isopropylbenzene	105	Compound Not Detected.						
$	75 4-bromofluorobenzene	95	11.311	11.311	(0.905)	150272	111.063	111.063	
	79 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
	92 1,3-dichlorobenzene	146	Compound Not Detected.						
*	93 1,4-dichlorobenzene-d4	152	12.495	12.495	(1.000)	130707	100.000		
	94 1,4-dichlorobenzene	146	Compound Not Detected.						
	97 1,2-dichlorobenzene	146	Compound Not Detected.						
	99 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	102 1,2,4-trichlorobenzene	180	Compound Not Detected.						
	104 1,2,3-trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa105.i
Lab File ID: 0329A15.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Misc Info: wg878773,ical12154

Calibration Date: 29-MAR-2016
Calibration Time: 09:24
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	477691	238846	955382	415905	-12.93
66 chlorobenzene-d5	352765	176383	705530	302046	-14.38
93 1,4-dichlorobenze	156045	78023	312090	130707	-16.24

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	6.30	5.80	6.80	6.30	-0.00
66 chlorobenzene-d5	9.86	9.36	10.36	9.86	0.05
93 1,4-dichlorobenze	12.50	12.00	13.00	12.50	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

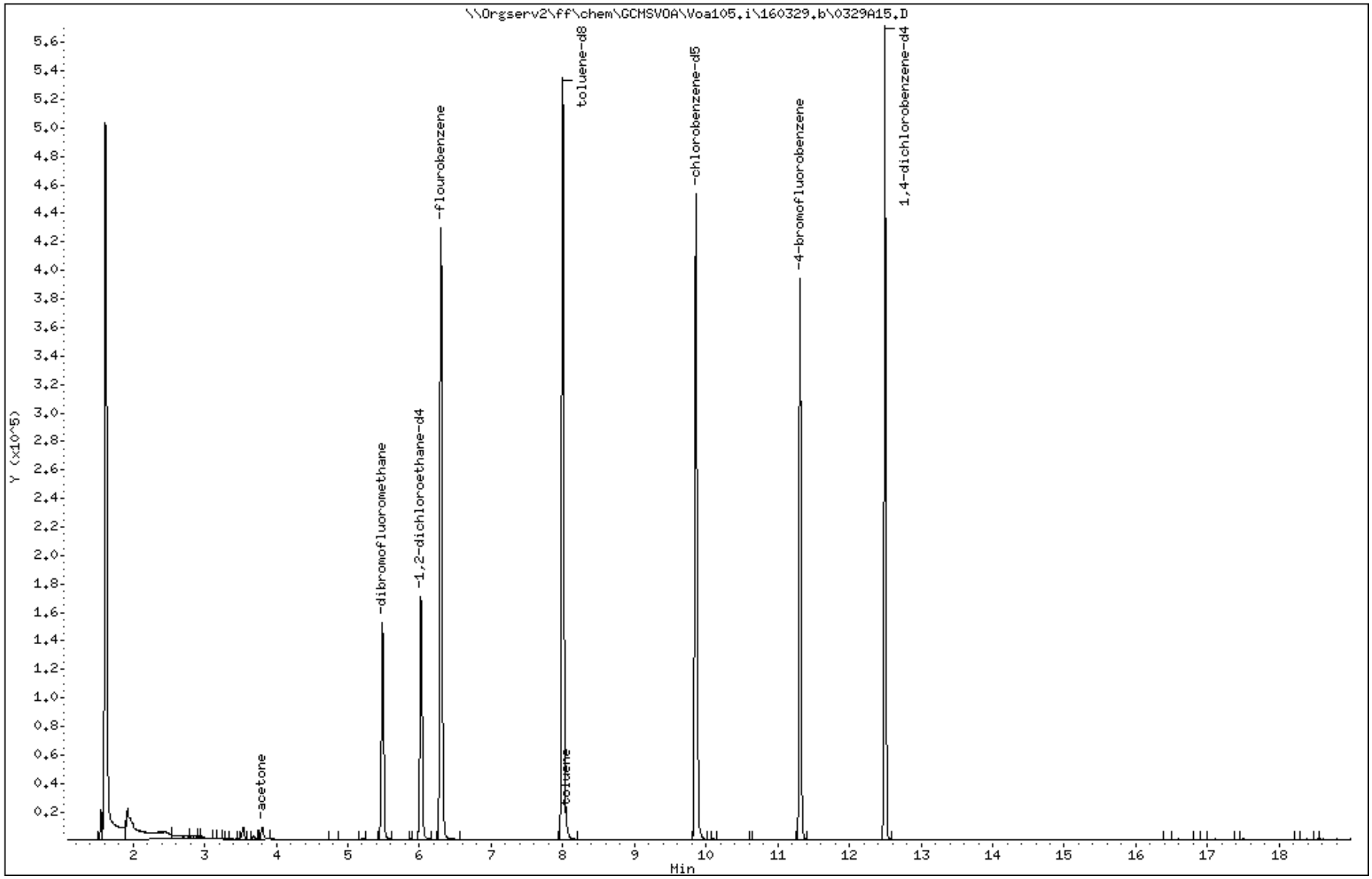
Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Misc Info: wg878773,ical12154

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	95.123	95.12	70-130
$ 38 1,2-dichloroethane	100.000	122.697	122.70	70-130
$ 53 toluene-d8	100.000	107.061	107.06	70-130
$ 75 4-bromofluorobenze	100.000	111.063	111.06	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A15.D
Date : 29-MAR-2016 14:32
Client ID:
Instrument: Voa105.i
Sample Info: 11607846-08,31,10,,a
Purge Volume: 10.0
Operator: PD
Column phase:
Column diameter: 0.18



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Date : 29-MAR-2016 14:32

Client ID:

Instrument: Voa105.i

Sample Info: 11607846-08,31,10,,a

Purge Volume: 10.0

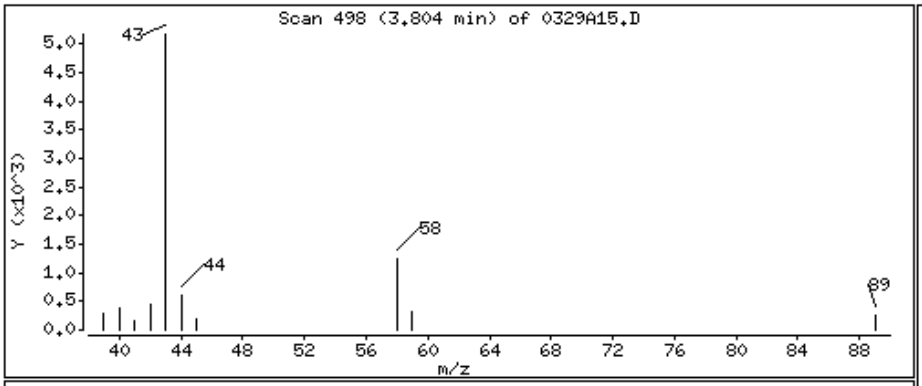
Operator: PD

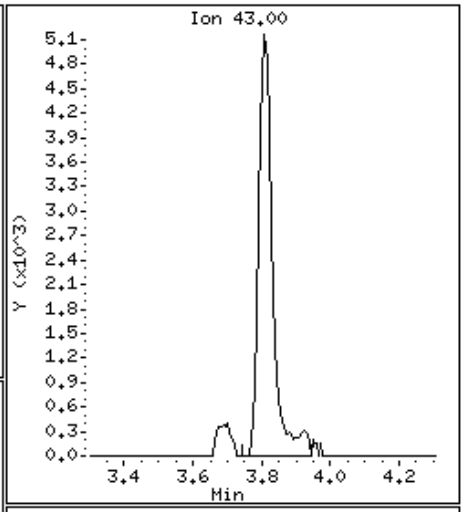
Column phase:

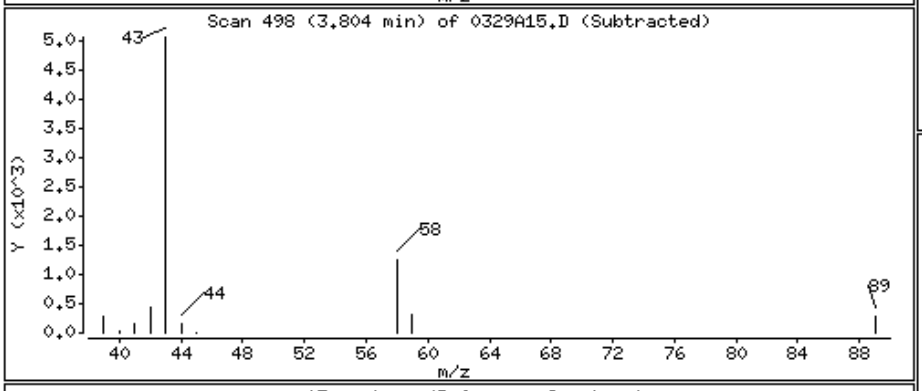
Column diameter: 0.18

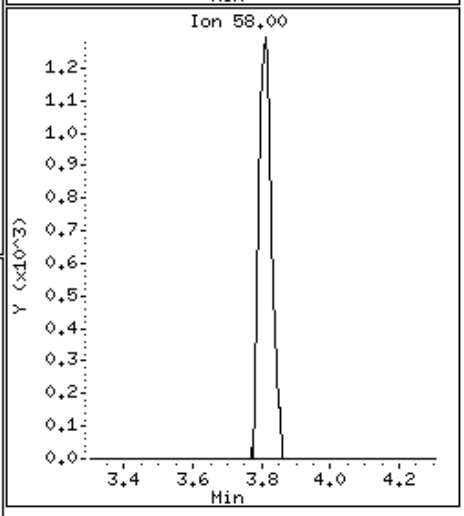
13 acetone

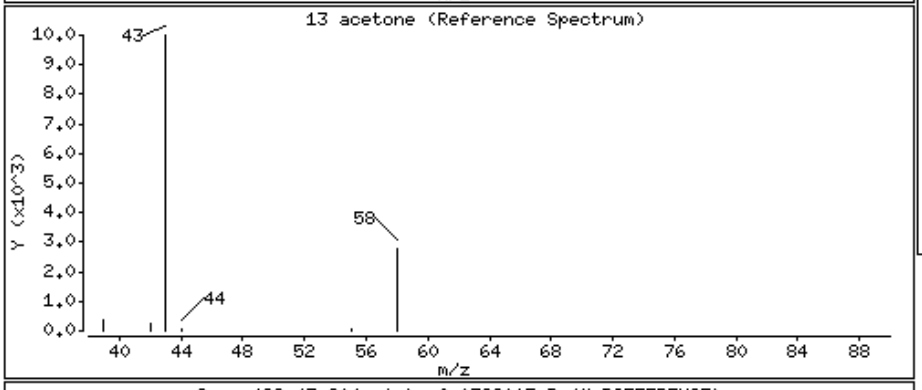
Concentration: 112.581 ngs

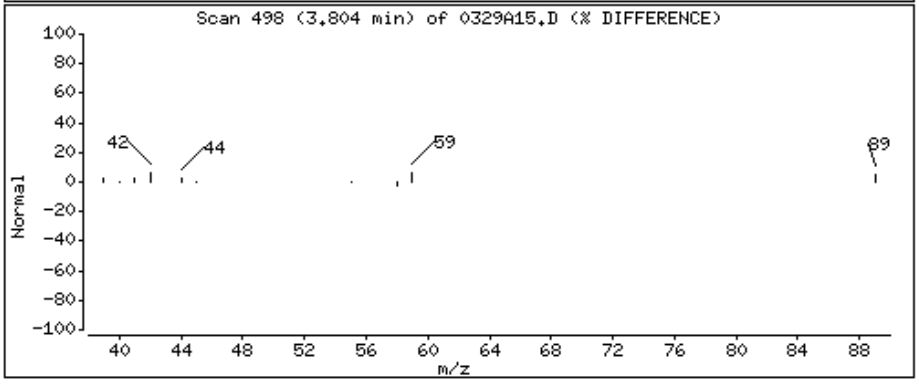












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A15.D

Date : 29-MAR-2016 14:32

Client ID:

Instrument: Voa105.i

Sample Info: 11607846-08,31,10,,a

Purge Volume: 10.0

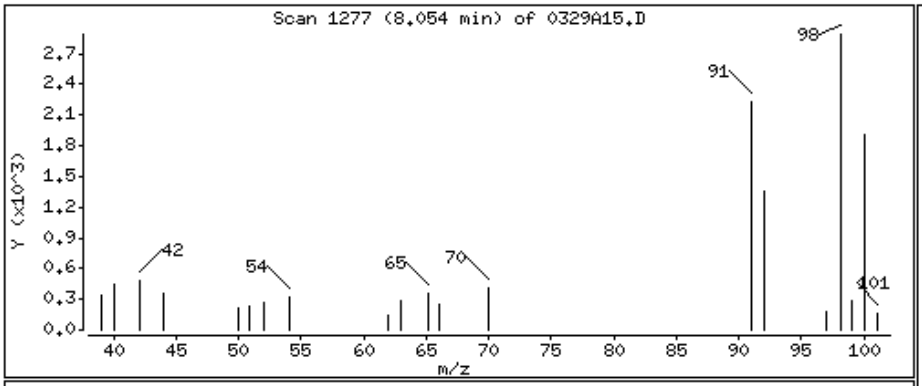
Operator: PD

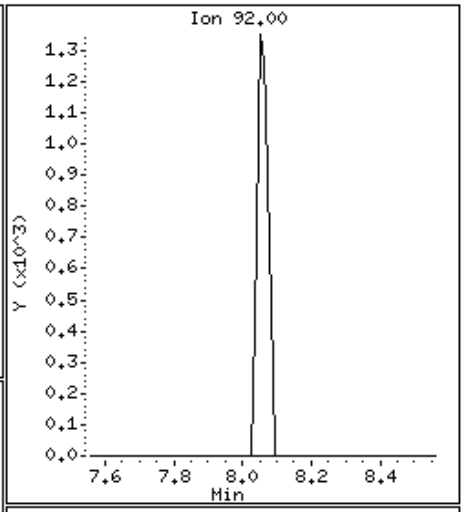
Column phase:

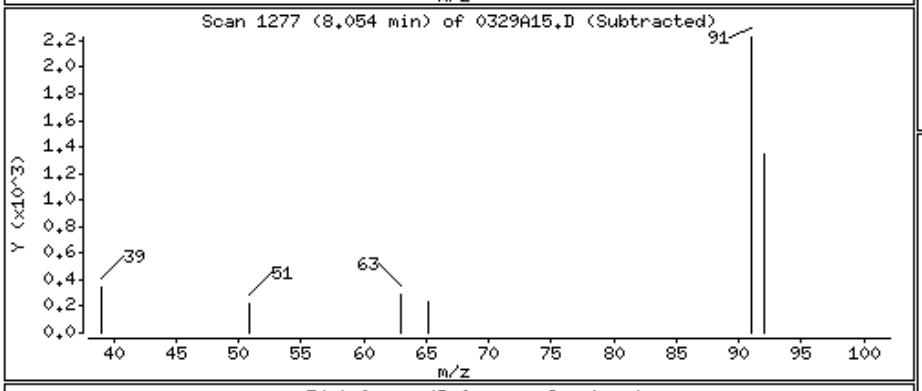
Column diameter: 0.18

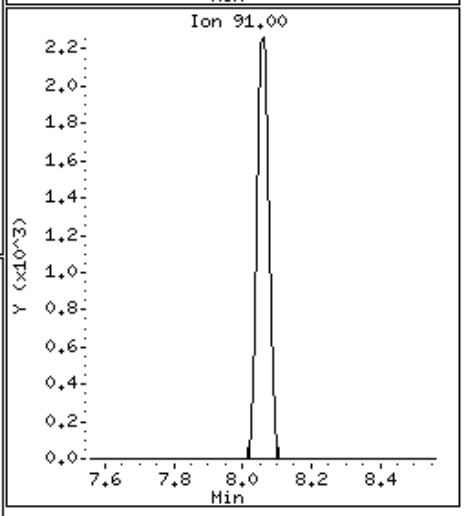
54 toluene

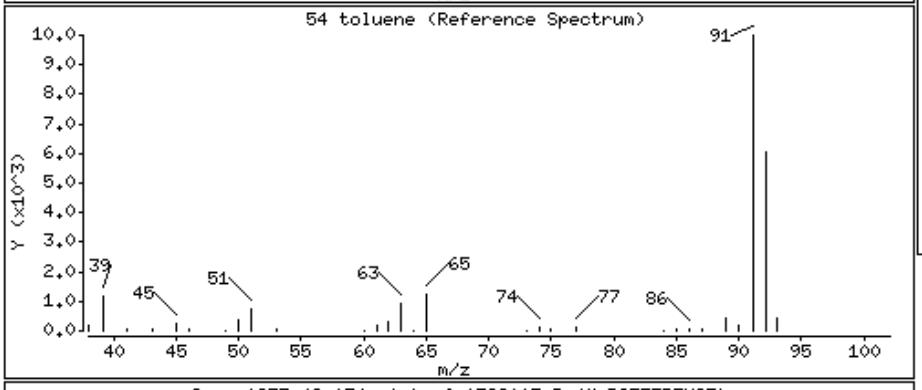
Concentration: 1.494 ngs

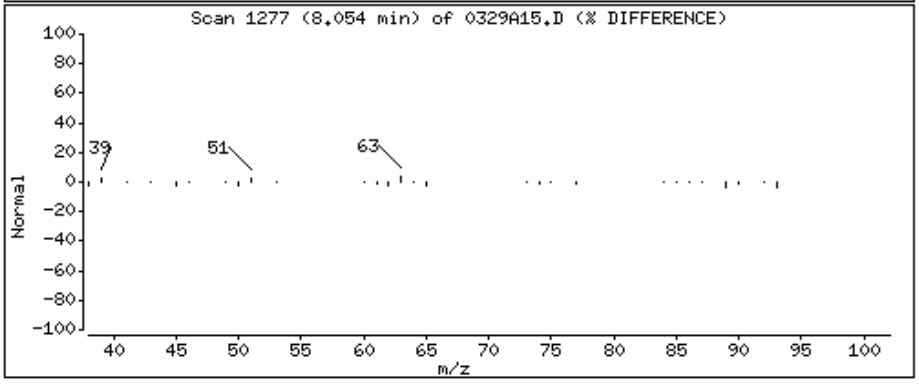












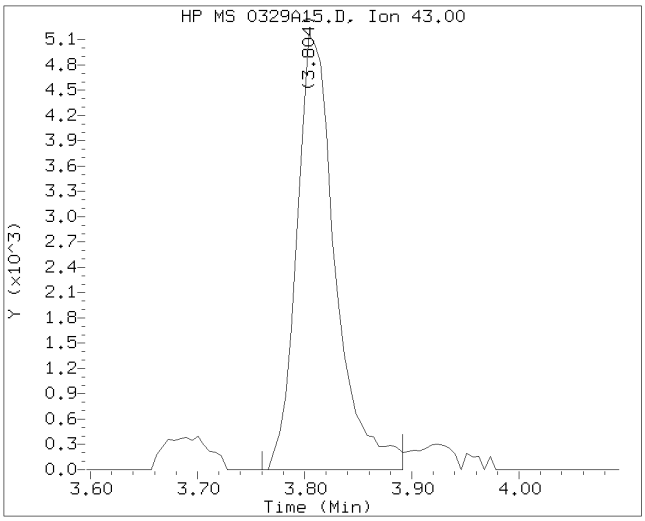
Alpha Analytical Labs

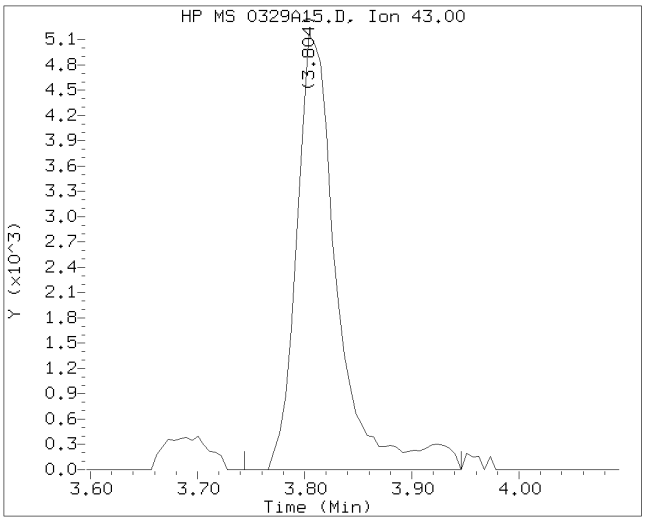
Manual Integration

Sample Info : l1607846-08,31,10,,a
wg878773,ical12154

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0329A15.D
Injection Date : 29-MAR-2016 14:32
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

Compound # 13: acetone





Original Peak Response = 12977 Manual Peak Response = 13714 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Alpha Analytical Labs

gc/ms voa - VOA105

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A16.D
Lab Smp Id:
Inj Date : 29-MAR-2016 14:55
Operator : PD Inst ID: Voa105.i
Smp Info : l1607846-09,31,10,,a
Misc Info : wg878773,ical12154
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Meth Date : 30-Mar-2016 12:32 Voa105.i Quant Type: ISTD
Cal Date : 16-MAR-2016 00:29 Cal File: 0215N09.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	Compound Not Detected.						
	2 chloromethane	50	Compound Not Detected.						
	3 vinyl chloride	62	Compound Not Detected.						
	4 bromomethane	94	2.396	2.401	(0.380)	432	6.03036	6.030(Q)	
	5 chloroethane	64	Compound Not Detected.						
	6 trichlorofluoromethane	101	Compound Not Detected.						
	8 1,1,-dichloroethene	96	Compound Not Detected.						
	10 freon-113	101	Compound Not Detected.						
	9 carbon disulfide	76	Compound Not Detected.						
	11 methylene chloride	84	Compound Not Detected.						
	13 acetone	43	3.809	3.803	(0.604)	11811	93.4130	93.413	
	14 trans-1,2-dichloroethene	96	Compound Not Detected.						
	15 Methyl Acetate	43	Compound Not Detected.						
	16 methyl tert butyl ether	73	Compound Not Detected.						
	19 1,1-dichloroethane	63	Compound Not Detected.						
	23 vinyl acetate	43	Compound Not Detected.						
	24 cis-1,2-dichloroethene	96	Compound Not Detected.						
	27 bromochloromethane	128	Compound Not Detected.						
	26 Cyclohexane	56	Compound Not Detected.						
	28 chloroform	83	Compound Not Detected.						
	30 carbontetrachloride	117	Compound Not Detected.						
$	32 dibromofluoromethane	113	5.484	5.484	(0.870)	102787	94.5507	94.550	
	33 1,1,1-trichloroethane	97	Compound Not Detected.						
	34 2-butanone	43	Compound Not Detected.						
	36 benzene	78	Compound Not Detected.						
$	38 1,2-dichloroethane-d4	65	6.019	6.024	(0.955)	140546	122.259	122.259	
	39 1,2-dichloroethane	62	Compound Not Detected.						
*	41 flourobenzene	96	6.303	6.303	(1.000)	417145	100.000		
	42 methyl cyclohexane	83	Compound Not Detected.						
	43 trichloroethene	95	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	46 1,2-dichloropropane	63	Compound Not Detected.						
	47 bromodichloromethane	83	Compound Not Detected.						
	52 cis-1,3-dichloropropene	75	Compound Not Detected.						
$	53 toluene-d8	98	8.000	7.999	(0.811)	402981	106.770	106.770	
	54 toluene	92	8.060	8.059	(0.817)	3287	1.77658	1.776	
	56 4-methyl-2-pentanone	58	Compound Not Detected.						
	55 tetrachloroethene	166	Compound Not Detected.						
	57 trans-1,3-dichloropropene	75	Compound Not Detected.						
	60 1,1,2-trichloroethane	83	Compound Not Detected.						
	61 chlorodibromomethane	129	Compound Not Detected.						
	64 1,2-dibromoethane	107	Compound Not Detected.						
	65 2-hexanone	43	Compound Not Detected.						
*	66 chlorobenzene-d5	117	9.860	9.855	(1.000)	302767	100.000		
	67 chlorobenzene	112	Compound Not Detected.						
	68 ethyl benzene	91	Compound Not Detected.						
	70 p/m xylene	106	Compound Not Detected.						
	71 o xylene	106	Compound Not Detected.						
	72 styrene	104	Compound Not Detected.						
	73 bromoform	173	Compound Not Detected.						
	74 isopropylbenzene	105	Compound Not Detected.						
$	75 4-bromofluorobenzene	95	11.312	11.311	(0.905)	150317	112.564	112.563	
	79 1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
	92 1,3-dichlorobenzene	146	Compound Not Detected.						
*	93 1,4-dichlorobenzene-d4	152	12.496	12.495	(1.000)	129003	100.000		
	94 1,4-dichlorobenzene	146	Compound Not Detected.						
	97 1,2-dichlorobenzene	146	Compound Not Detected.						
	99 1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	102 1,2,4-trichlorobenzene	180	Compound Not Detected.						
	104 1,2,3-trichlorobenzene	180	Compound Not Detected.						

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa105.i
Lab File ID: 0329A16.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Misc Info: wg878773,ical12154

Calibration Date: 29-MAR-2016
Calibration Time: 09:24
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	477691	238846	955382	417145	-12.67
66 chlorobenzene-d5	352765	176383	705530	302767	-14.17
93 1,4-dichlorobenze	156045	78023	312090	129003	-17.33

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	6.30	5.80	6.80	6.30	0.00
66 chlorobenzene-d5	9.86	9.36	10.36	9.86	0.06
93 1,4-dichlorobenze	12.50	12.00	13.00	12.50	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

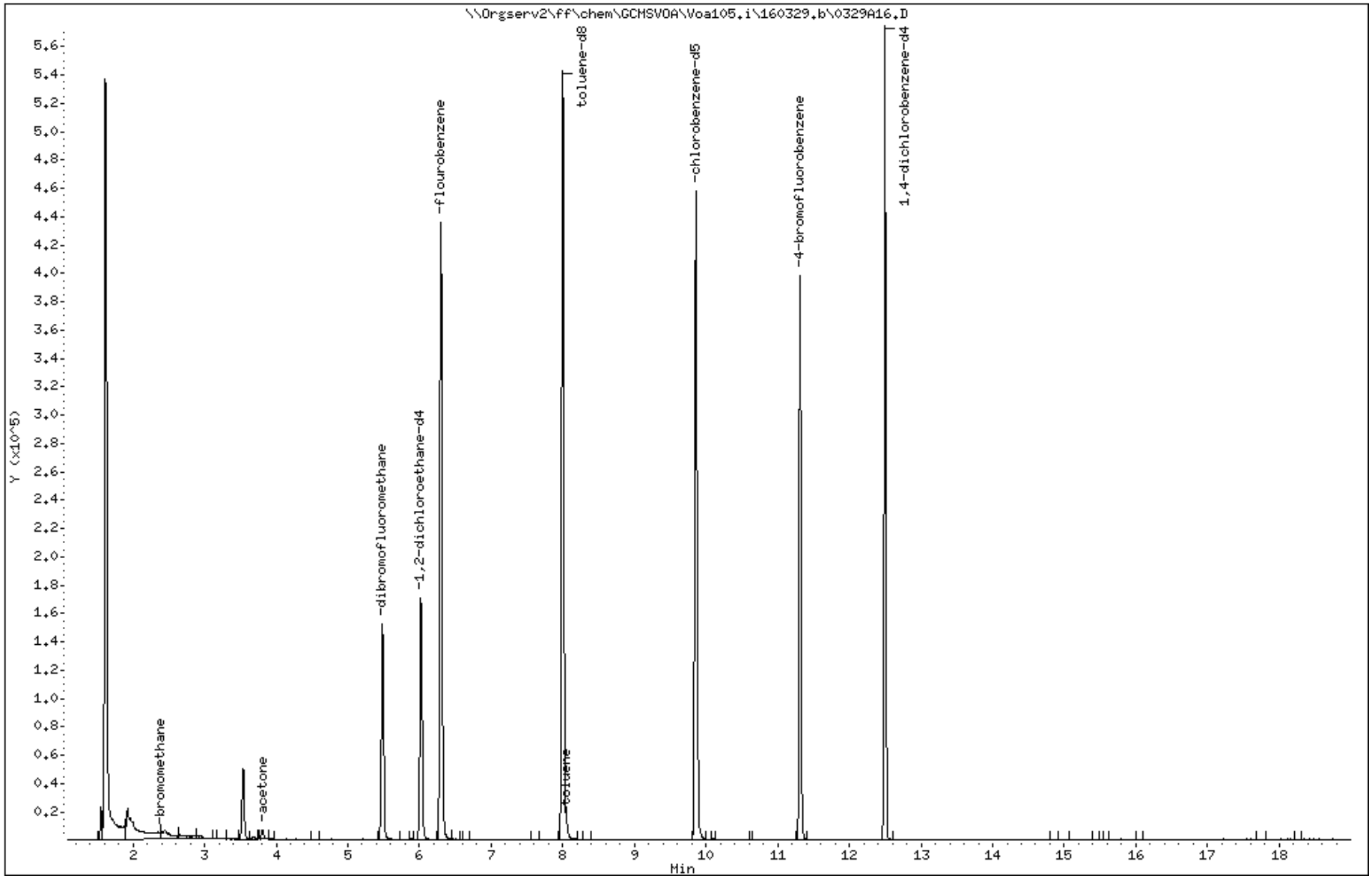
RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Misc Info: wg878773,ical12154

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	94.550	94.55	70-130
$ 38 1,2-dichloroethane	100.000	122.259	122.26	70-130
$ 53 toluene-d8	100.000	106.770	106.77	70-130
$ 75 4-bromofluorobenze	100.000	112.563	112.56	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A16.D
Date : 29-MAR-2016 14:55
Client ID:
Sample Info: 11607846-09,31,10,,a
Purge Volume: 10.0
Column phase:

Instrument: Voa105.i
Operator: PD
Column diameter: 0.18



Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A16.D

Date : 29-MAR-2016 14:55

Client ID:

Instrument: Voa105.i

Sample Info: 11607846-09,31,10,,a

Purge Volume: 10.0

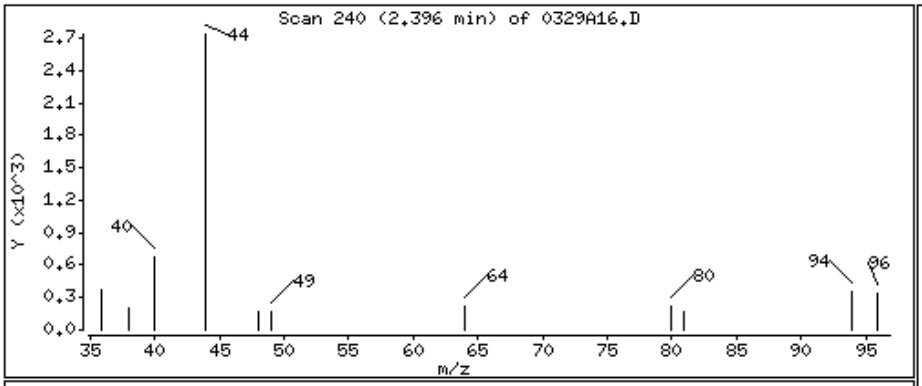
Operator: PD

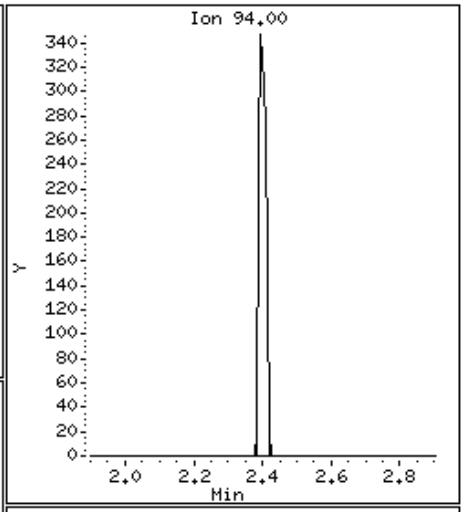
Column phase:

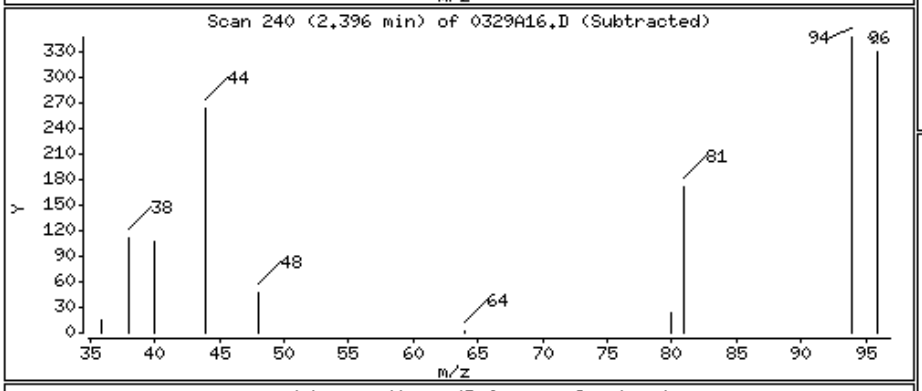
Column diameter: 0.18

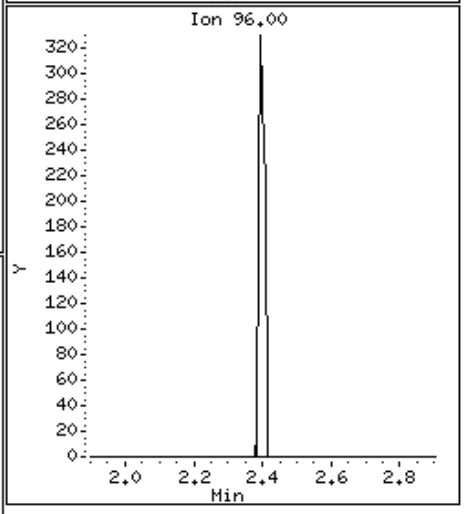
4 bromomethane

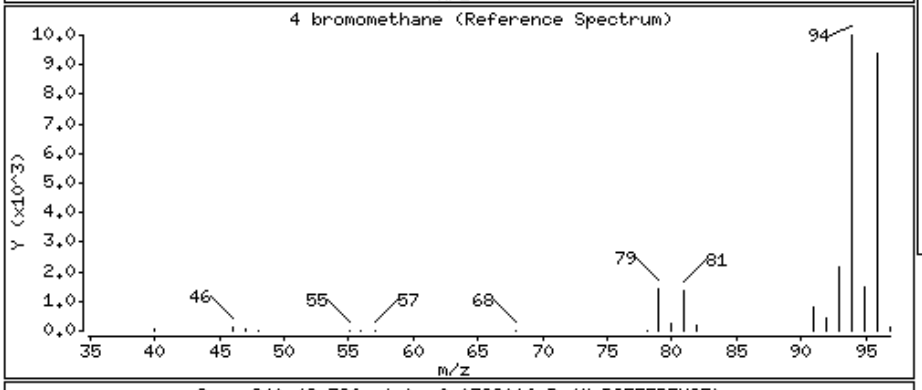
Concentration: 6.030 ngs

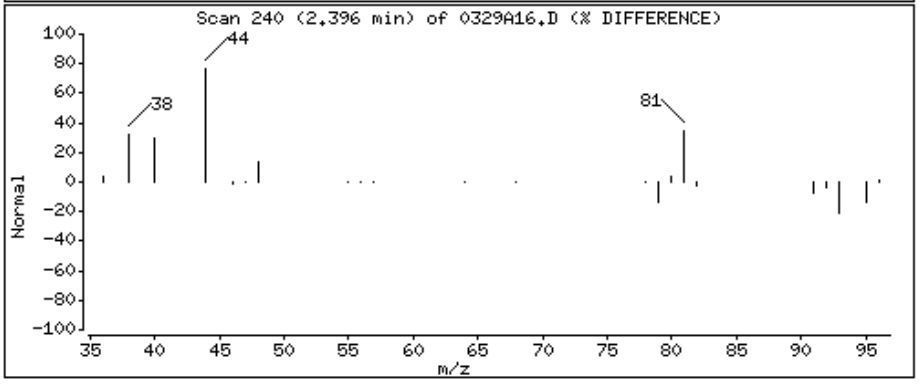












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A16.D

Date : 29-MAR-2016 14:55

Client ID:

Instrument: Voa105.i

Sample Info: 11607846-09,31,10,,a

Purge Volume: 10.0

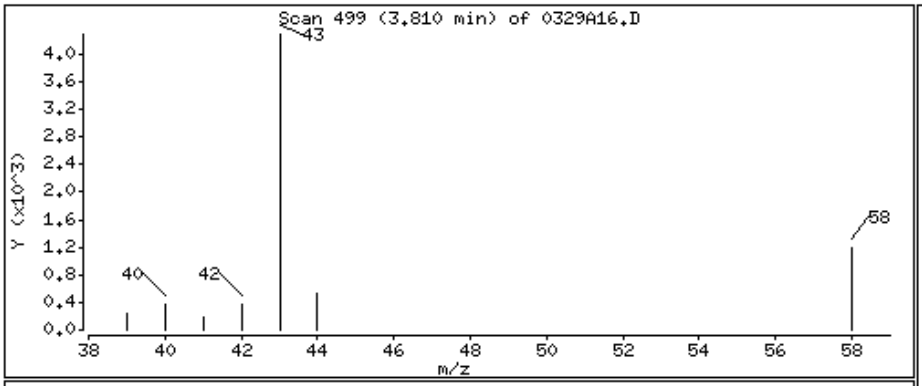
Operator: PD

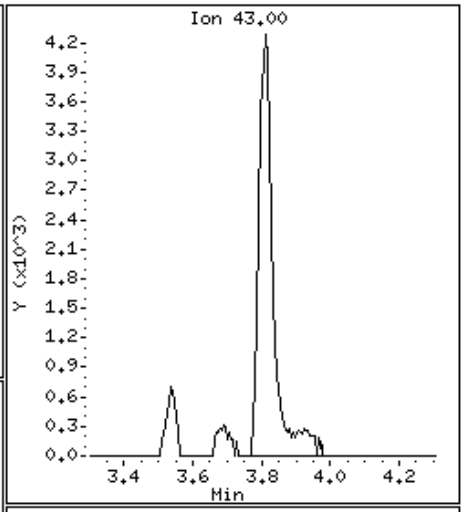
Column phase:

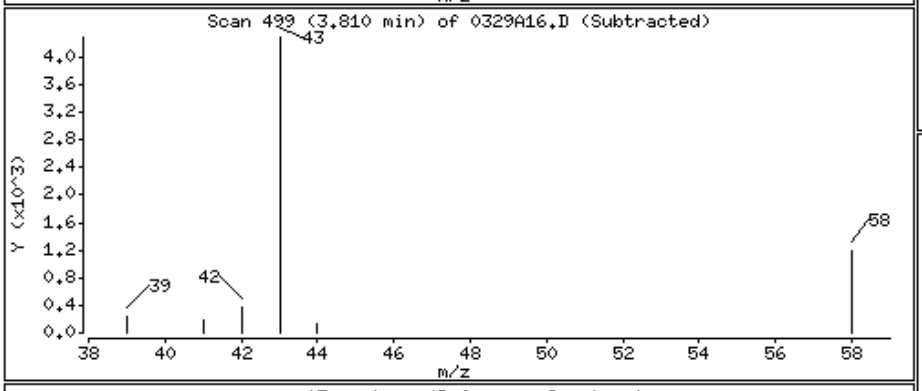
Column diameter: 0.18

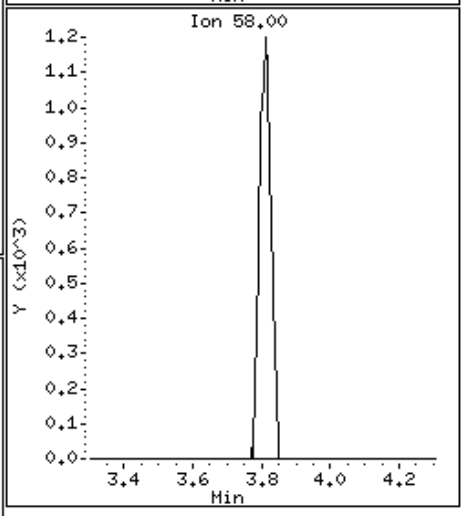
13 acetone

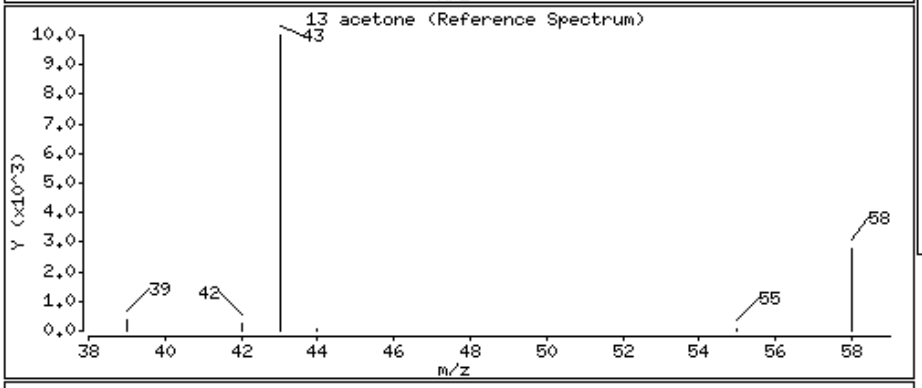
Concentration: 93.413 ngs

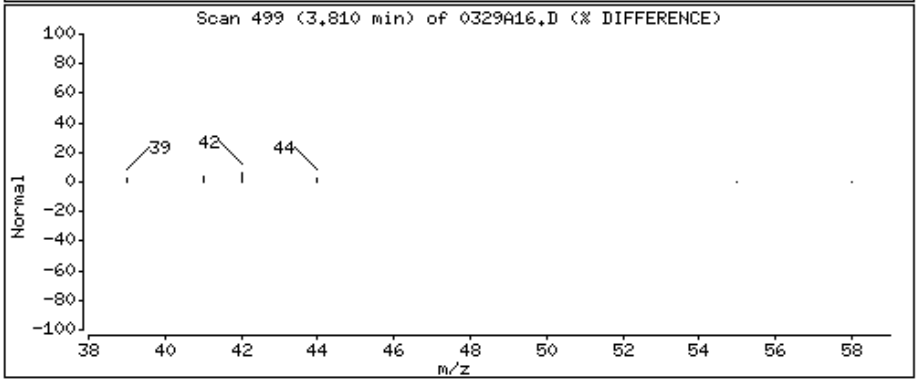












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A16.D

Date : 29-MAR-2016 14:55

Client ID:

Instrument: Voa105.i

Sample Info: 11607846-09,31,10,,a

Purge Volume: 10.0

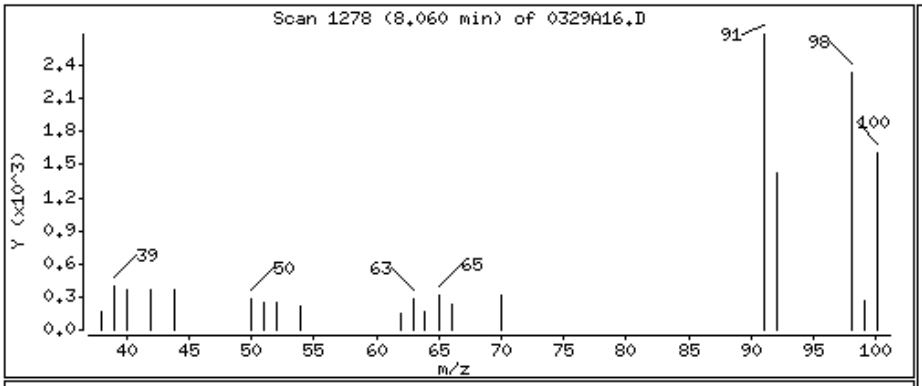
Operator: PD

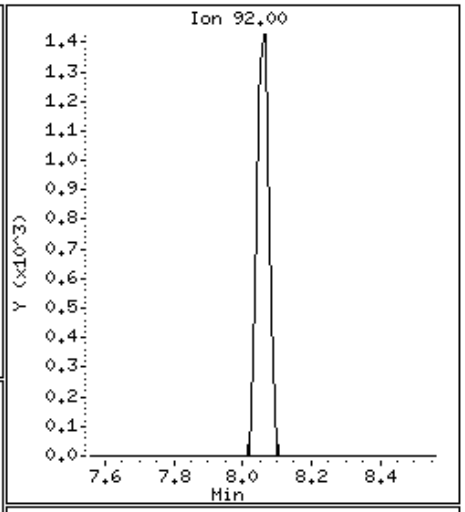
Column phase:

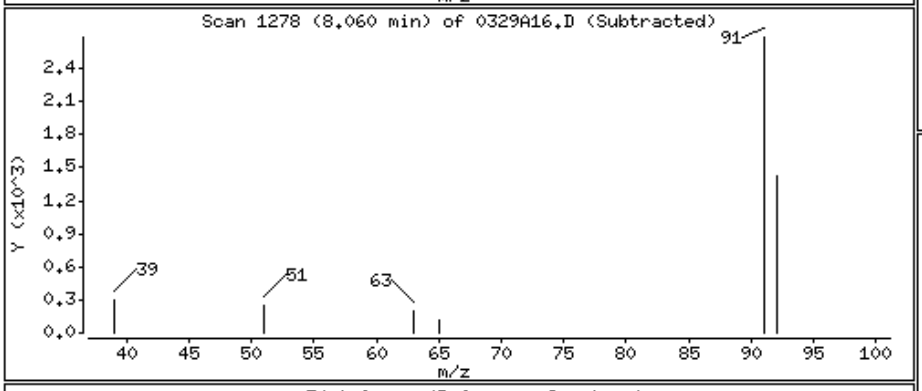
Column diameter: 0.18

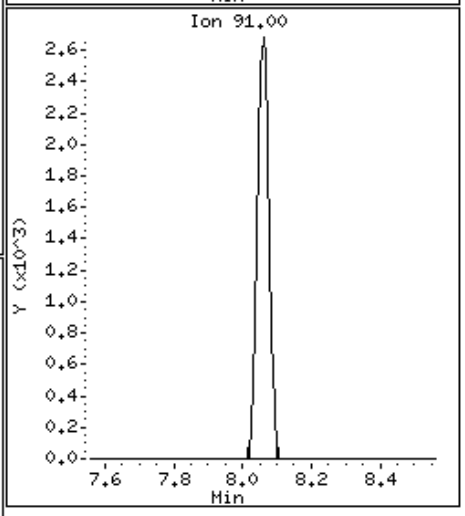
54 toluene

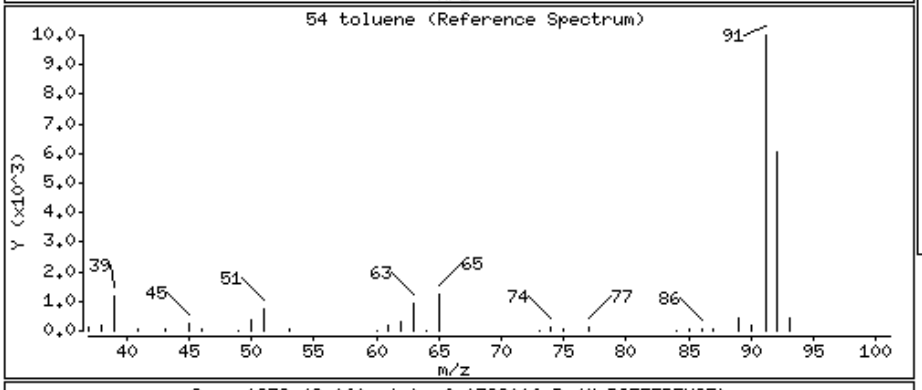
Concentration: 1.776 ngs

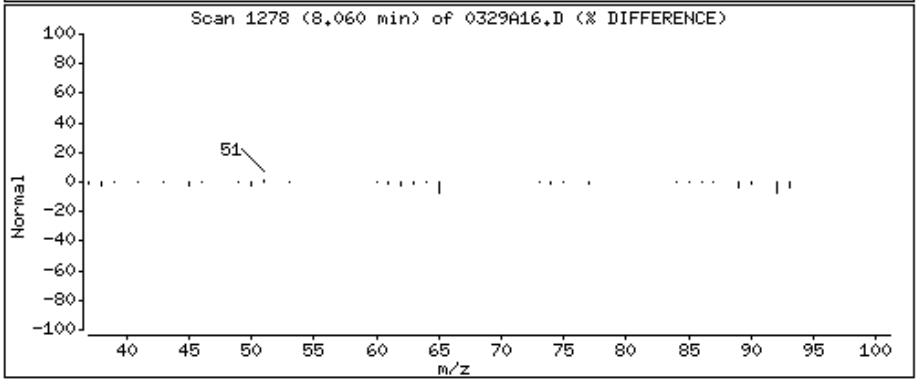












Manual Integration

Sample Info : l1607846-09,31,10,,a
wg878773,ical12154

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0329A16.D
Injection Date : 29-MAR-2016 14:55
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

There are no manual integrations in this file.

Alpha Analytical Labs

gc/ms voa - VOA105

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A17.D
Lab Smp Id:
Inj Date : 29-MAR-2016 15:19
Operator : PD Inst ID: Voa105.i
Smp Info : l1607846-10,31,10,,a
Misc Info : wg878773,ical12154
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Meth Date : 30-Mar-2016 12:32 Voa105.i Quant Type: ISTD
Cal Date : 16-MAR-2016 00:29 Cal File: 0215N09.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	Compound Not Detected.						
	2 chloromethane	50	Compound Not Detected.						
	3 vinyl chloride	62	Compound Not Detected.						
	4 bromomethane	94	2.396	2.401	(0.380)	421	6.00920	6.009	
	5 chloroethane	64	Compound Not Detected.						
	6 trichlorofluoromethane	101	Compound Not Detected.						
	8 1,1,-dichloroethene	96	Compound Not Detected.						
	10 freon-113	101	Compound Not Detected.						
	9 carbon disulfide	76	Compound Not Detected.						
	11 methylene chloride	84	3.760	3.760	(0.597)	691	1.16706	1.167	
	13 acetone	43	3.803	3.803	(0.604)	4890	25.6216	25.621	
	14 trans-1,2-dichloroethene	96	Compound Not Detected.						
	15 Methyl Acetate	43	Compound Not Detected.						
	16 methyl tert butyl ether	73	Compound Not Detected.						
	19 1,1-dichloroethane	63	Compound Not Detected.						
	23 vinyl acetate	43	Compound Not Detected.						
	24 cis-1,2-dichloroethene	96	Compound Not Detected.						
	27 bromochloromethane	128	Compound Not Detected.						
	26 Cyclohexane	56	Compound Not Detected.						
	28 chloroform	83	Compound Not Detected.						
	30 carbontetrachloride	117	Compound Not Detected.						
$	32 dibromofluoromethane	113	5.484	5.484	(0.870)	101044	93.8235	93.823	
	33 1,1,1-trichloroethane	97	Compound Not Detected.						
	34 2-butanone	43	Compound Not Detected.						
	36 benzene	78	Compound Not Detected.						
$	38 1,2-dichloroethane-d4	65	6.019	6.024	(0.955)	138594	121.698	121.697	
	39 1,2-dichloroethane	62	Compound Not Detected.						
*	41 flourobenzene	96	6.302	6.303	(1.000)	413250	100.000		
	42 methyl cyclohexane	83	Compound Not Detected.						
	43 trichloroethene	95	Compound Not Detected.						

			QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ngs)	(ngs)	REVIEW CODE
	46	1,2-dichloropropane	63	Compound Not Detected.						
	47	bromodichloromethane	83	Compound Not Detected.						
	52	cis-1,3-dichloropropene	75	Compound Not Detected.						
$	53	toluene-d8	98	7.999	7.999	(0.811)	397621	106.806	106.806	
	54	toluene	92	8.059	8.059	(0.817)	5214	2.85706	2.857	
	56	4-methyl-2-pentanone	58	Compound Not Detected.						
	55	tetrachloroethene	166	Compound Not Detected.						
	57	trans-1,3-dichloropropene	75	Compound Not Detected.						
	60	1,1,2-trichloroethane	83	Compound Not Detected.						
	61	chlorodibromomethane	129	Compound Not Detected.						
	64	1,2-dibromoethane	107	Compound Not Detected.						
	65	2-hexanone	43	Compound Not Detected.						
*	66	chlorobenzene-d5	117	9.860	9.855	(1.000)	298639	100.000		
	67	chlorobenzene	112	Compound Not Detected.						
	68	ethyl benzene	91	Compound Not Detected.						
	70	p/m xylene	106	Compound Not Detected.						
	71	o xylene	106	Compound Not Detected.						
	72	styrene	104	Compound Not Detected.						
	73	bromoform	173	Compound Not Detected.						
	74	isopropylbenzene	105	Compound Not Detected.						
$	75	4-bromofluorobenzene	95	11.311	11.311	(0.905)	148842	111.857	111.857	
	79	1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
	92	1,3-dichlorobenzene	146	Compound Not Detected.						
*	93	1,4-dichlorobenzene-d4	152	12.495	12.495	(1.000)	128544	100.000		
	94	1,4-dichlorobenzene	146	Compound Not Detected.						
	97	1,2-dichlorobenzene	146	Compound Not Detected.						
	99	1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
	102	1,2,4-trichlorobenzene	180	Compound Not Detected.						
	104	1,2,3-trichlorobenzene	180	Compound Not Detected.						

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa105.i
Lab File ID: 0329A17.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Misc Info: wg878773,ical12154

Calibration Date: 29-MAR-2016
Calibration Time: 09:24
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	477691	238846	955382	413250	-13.49
66 chlorobenzene-d5	352765	176383	705530	298639	-15.34
93 1,4-dichlorobenze	156045	78023	312090	128544	-17.62

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	6.30	5.80	6.80	6.30	-0.00
66 chlorobenzene-d5	9.86	9.36	10.36	9.86	0.05
93 1,4-dichlorobenze	12.50	12.00	13.00	12.50	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

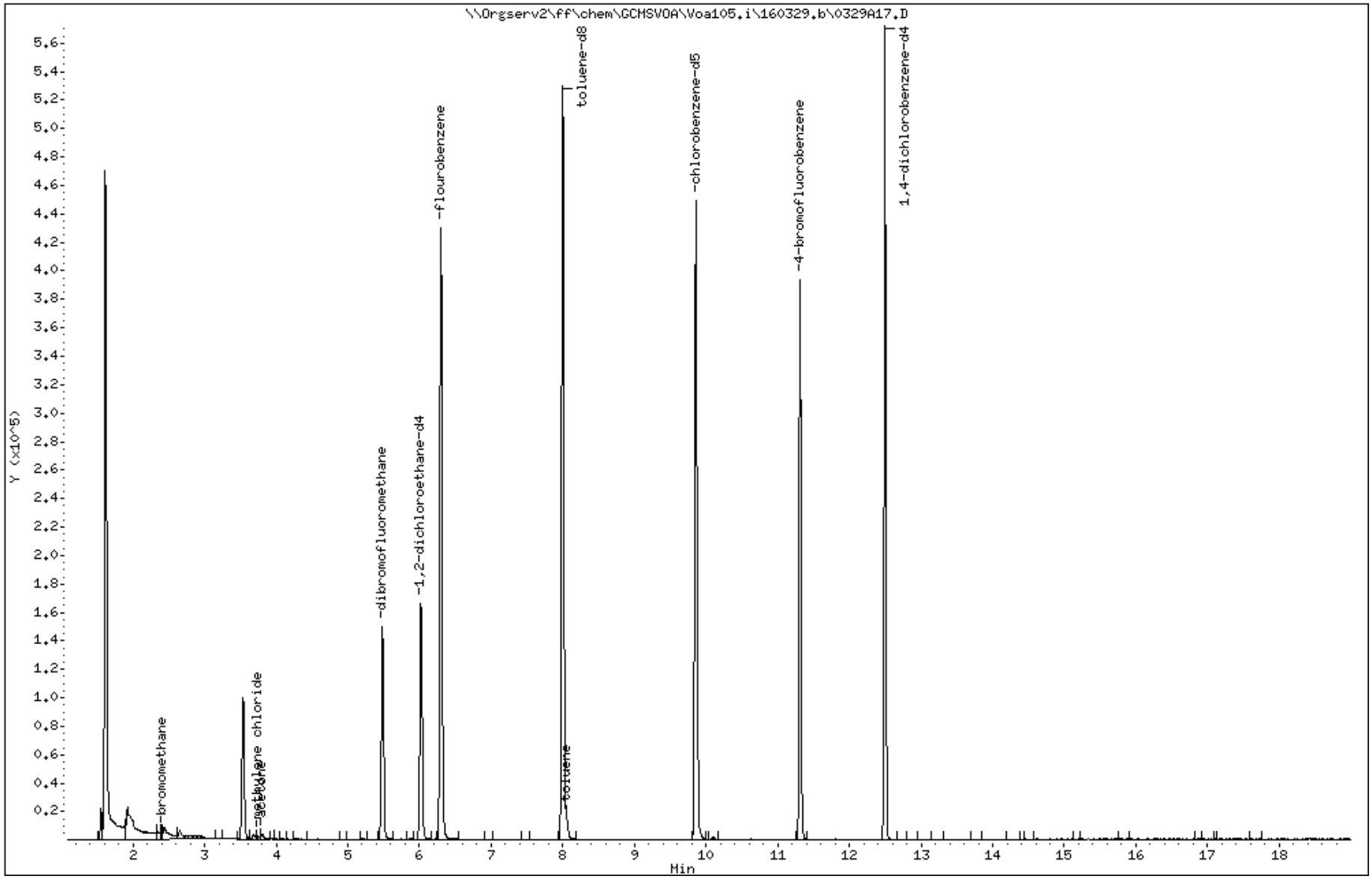
RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Misc Info: wg878773,ical12154

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	93.823	93.82	70-130
$ 38 1,2-dichloroethane	100.000	121.697	121.70	70-130
$ 53 toluene-d8	100.000	106.806	106.81	70-130
$ 75 4-bromofluorobenze	100.000	111.857	111.86	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A17.D
Date : 29-MAR-2016 15:19
Client ID:
Sample Info: 11607846-10,31,10,,a
Purge Volume: 10.0
Column phase:

Instrument: Voa105.i
Operator: PD
Column diameter: 0.18



Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A17.D

Date : 29-MAR-2016 15:19

Client ID:

Instrument: Voa105.i

Sample Info: 11607846-10,31,10,,a

Purge Volume: 10.0

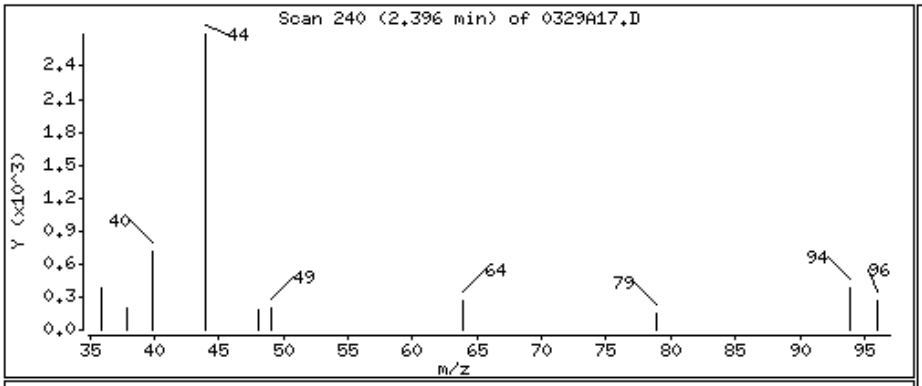
Operator: PD

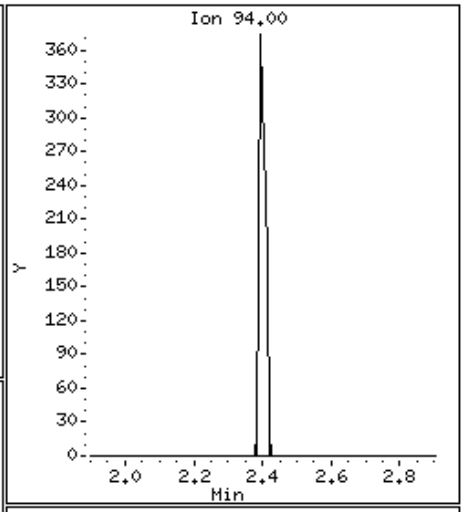
Column phase:

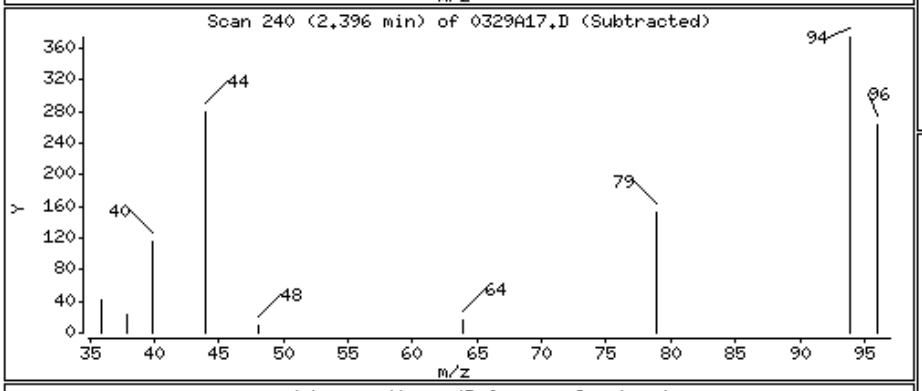
Column diameter: 0.18

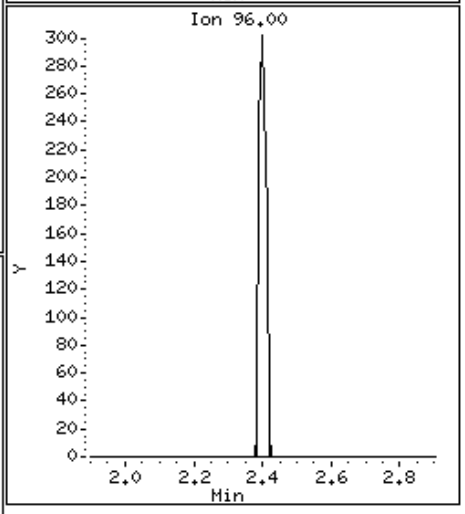
4 bromomethane

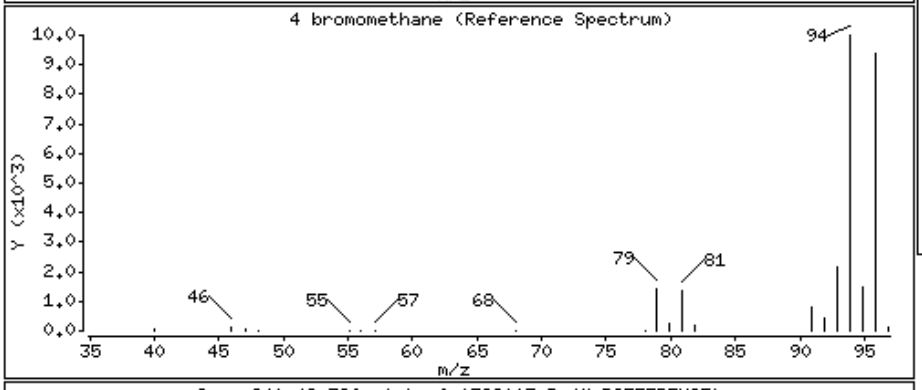
Concentration: 6.009 ngs

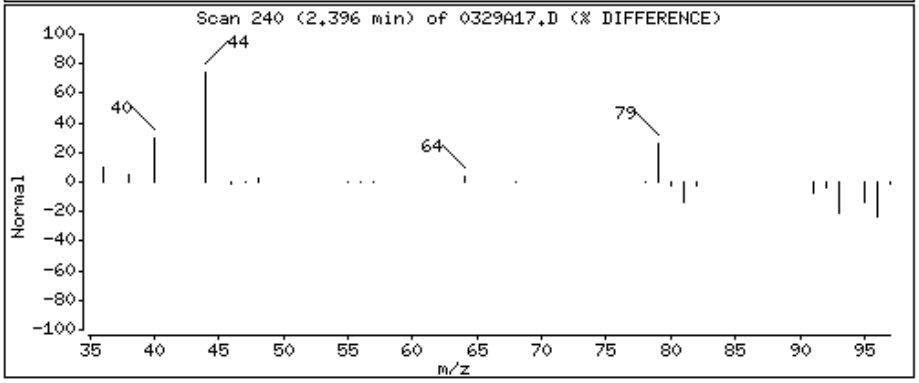












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A17.D

Date : 29-MAR-2016 15:19

Client ID:

Instrument: Voa105.i

Sample Info: 11607846-10,31,10,,a

Purge Volume: 10.0

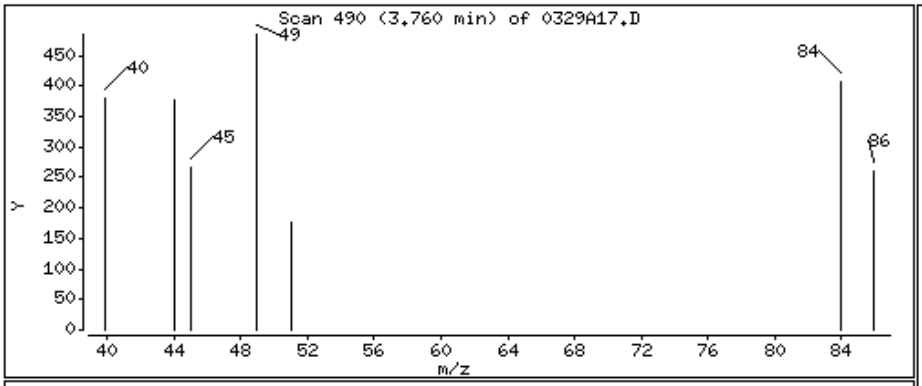
Operator: PD

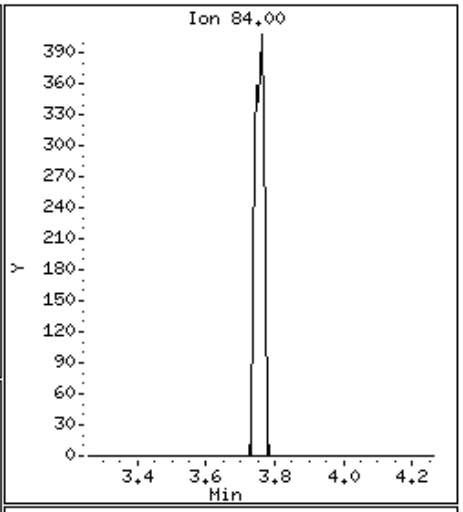
Column phase:

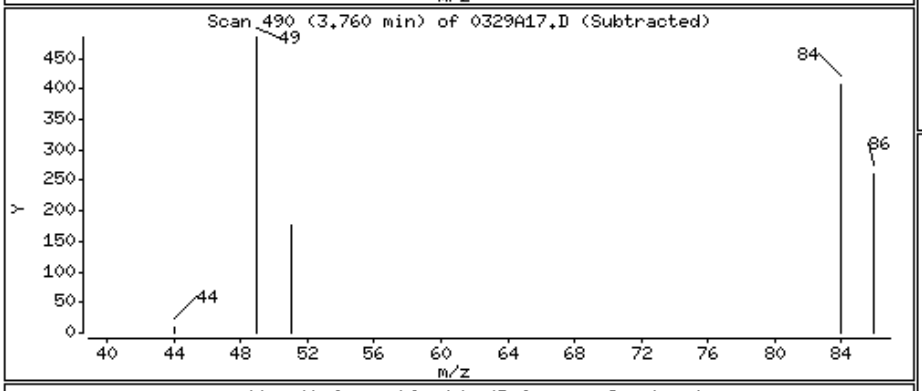
Column diameter: 0.18

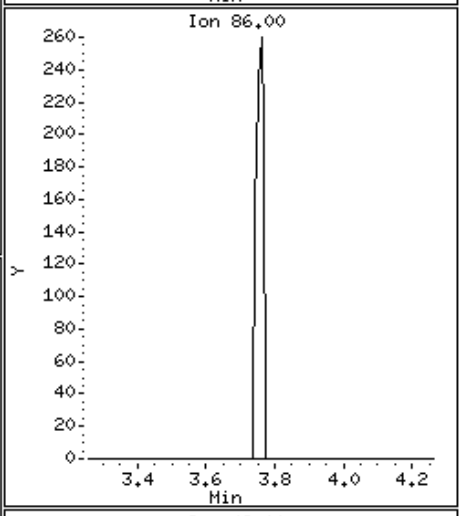
11 methylene chloride

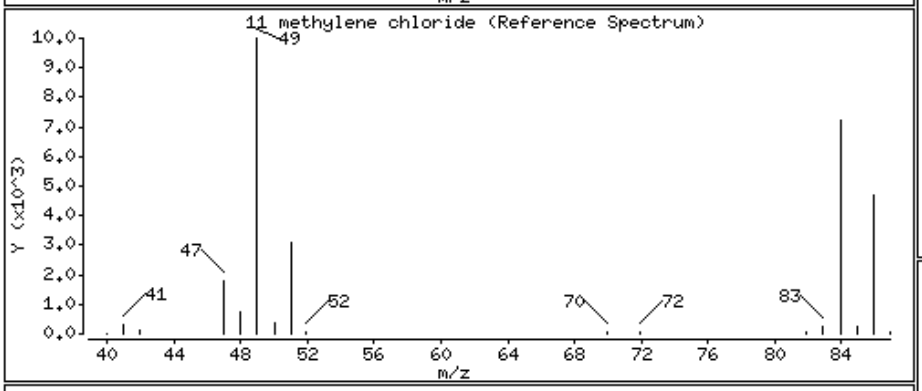
Concentration: 1.167 ngs

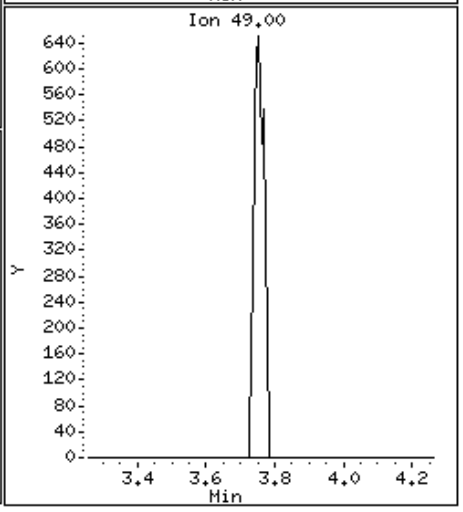


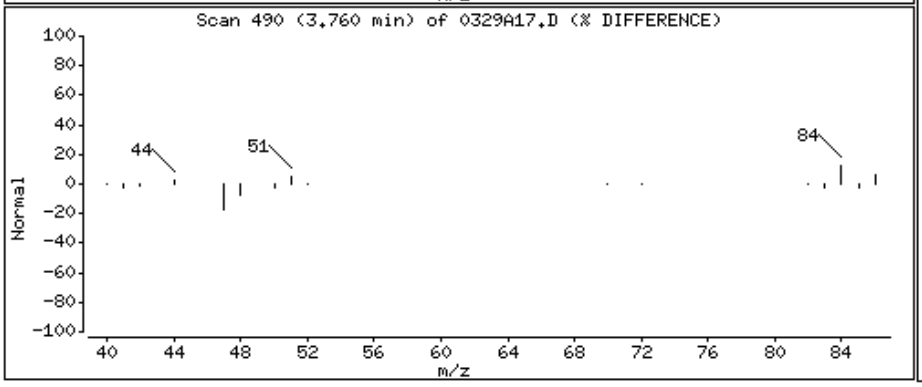












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A17.D

Date : 29-MAR-2016 15:19

Client ID:

Instrument: Voa105.i

Sample Info: 11607846-10,31,10,,a

Purge Volume: 10.0

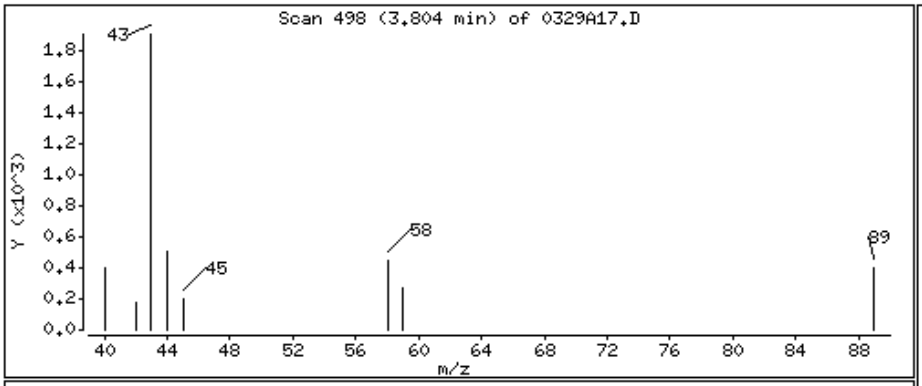
Operator: PD

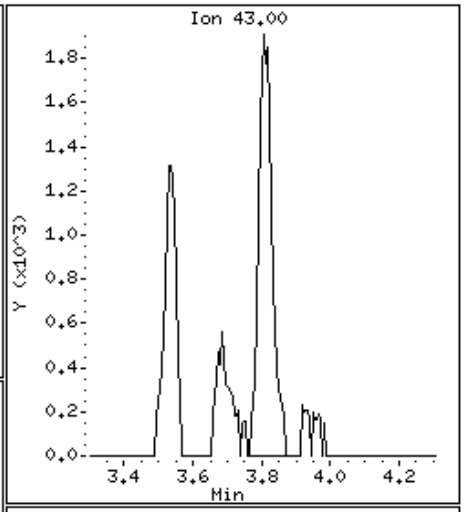
Column phase:

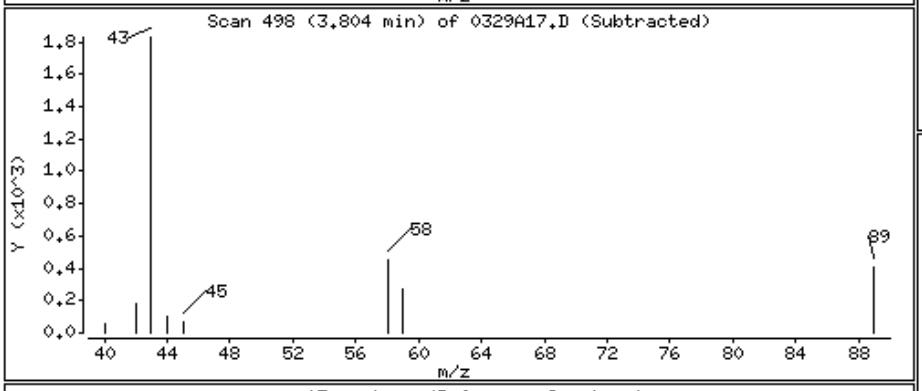
Column diameter: 0.18

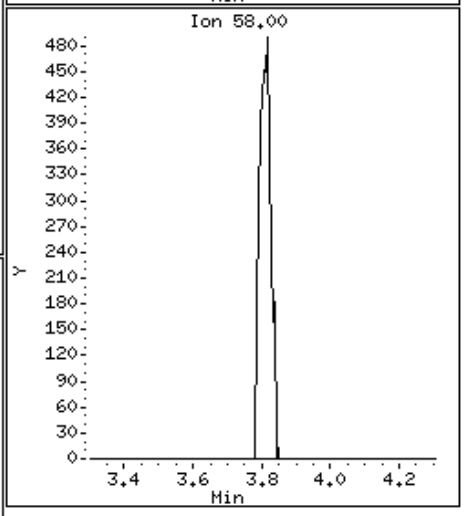
13 acetone

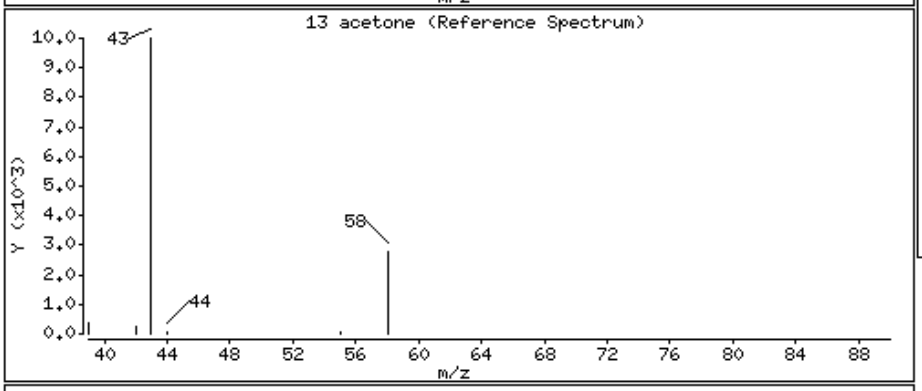
Concentration: 25.621 ngs

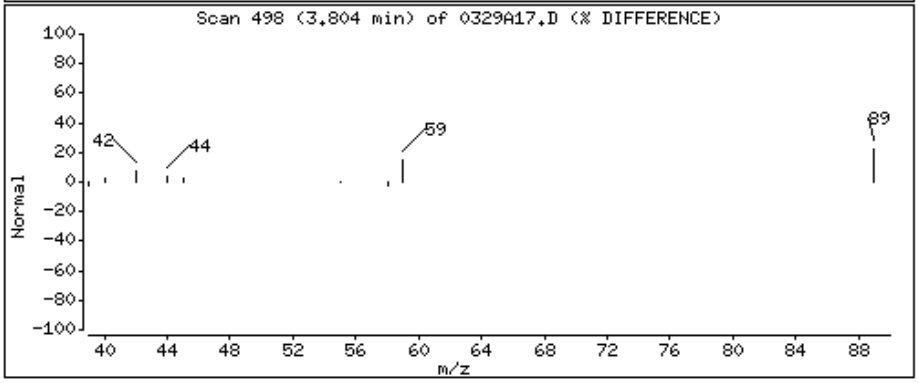












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A17.D

Date : 29-MAR-2016 15:19

Client ID:

Instrument: Voa105.i

Sample Info: 11607846-10,31,10,,a

Purge Volume: 10.0

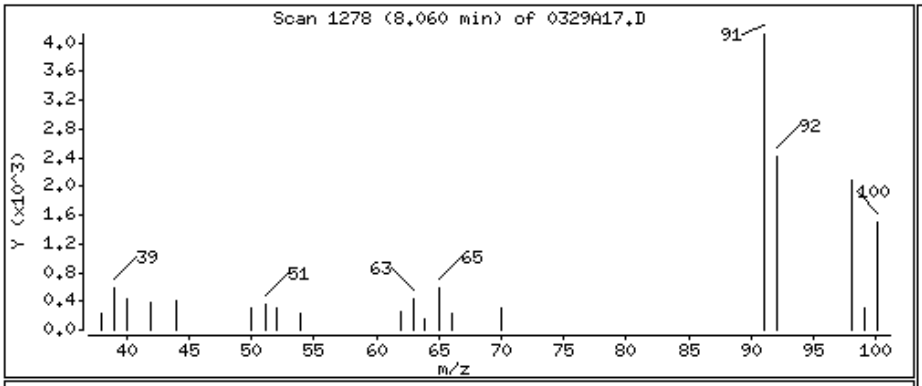
Operator: PD

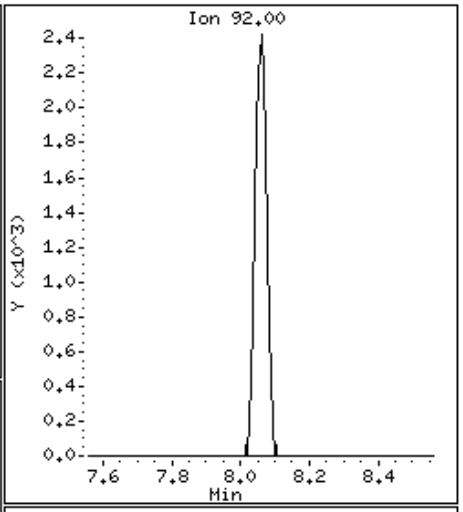
Column phase:

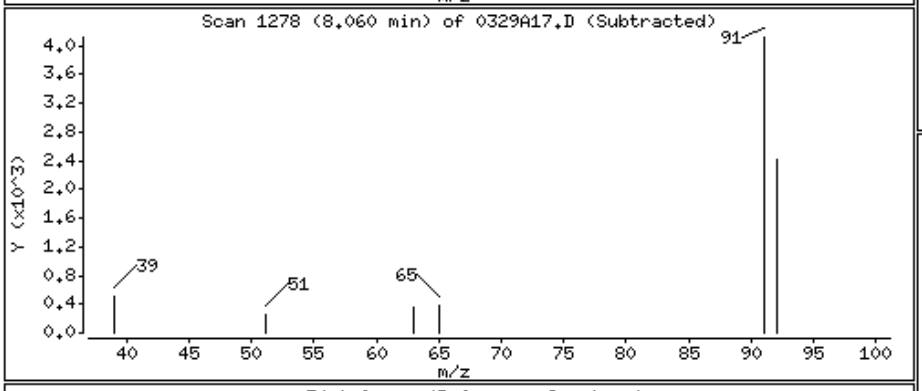
Column diameter: 0.18

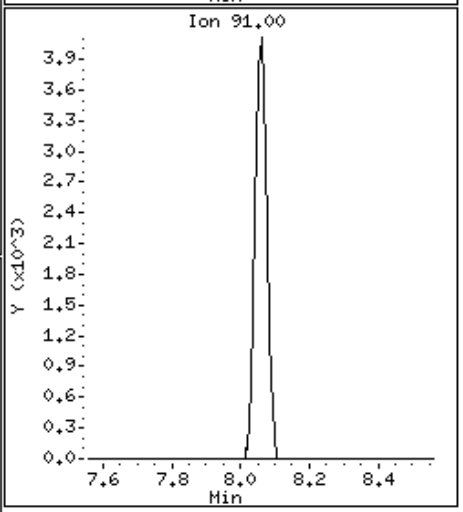
54 toluene

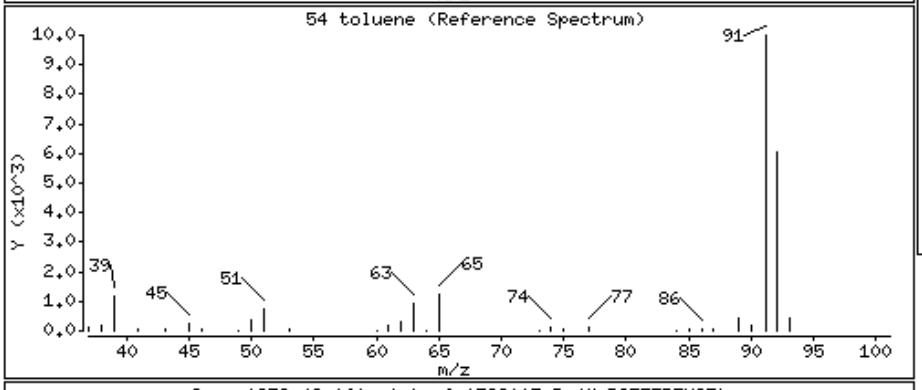
Concentration: 2.857 ngs

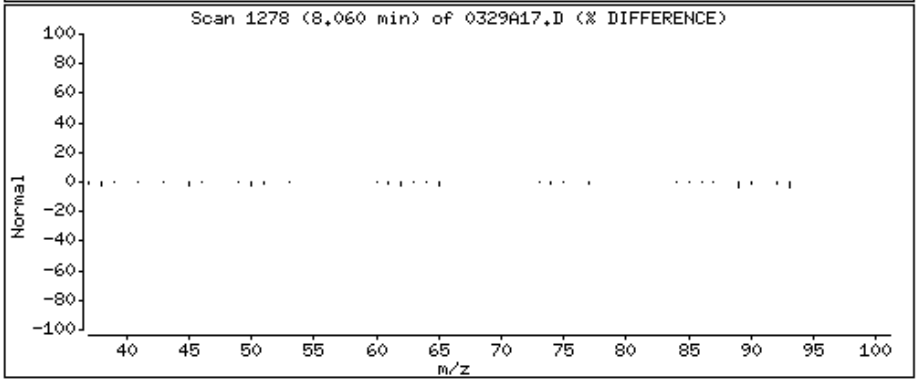












Manual Integration

Sample Info : l1607846-10,31,10,,a
wg878773,ical12154

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0329A17.D
Injection Date : 29-MAR-2016 15:19
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

There are no manual integrations in this file.

Method Blank
Raw Data

Alpha Analytical Labs

gc/ms voa - VOA105

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A05.D
Lab Smp Id:
Inj Date : 29-MAR-2016 10:35
Operator : PD Inst ID: Voa105.i
Smp Info : wg878773-5,31,10
Misc Info : wg878773,ical12154
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Meth Date : 30-Mar-2016 12:32 Voa105.i Quant Type: ISTD
Cal Date : 16-MAR-2016 00:29 Cal File: 0215N09.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	Compound Not Detected.						
	2 chloromethane	50	Compound Not Detected.						
	3 vinyl chloride	62	Compound Not Detected.						
	4 bromomethane	94	Compound Not Detected.						
	5 chloroethane	64	Compound Not Detected.						
	6 trichlorofluoromethane	101	Compound Not Detected.						
	8 1,1,-dichloroethene	96	Compound Not Detected.						
	10 freon-113	101	Compound Not Detected.						
	9 carbon disulfide	76	Compound Not Detected.						
	11 methylene chloride	84	Compound Not Detected.						
	13 acetone	43	Compound Not Detected.						
	14 trans-1,2-dichloroethene	96	Compound Not Detected.						
	15 Methyl Acetate	43	Compound Not Detected.						
	16 methyl tert butyl ether	73	Compound Not Detected.						
	19 1,1-dichloroethane	63	Compound Not Detected.						
	23 vinyl acetate	43	Compound Not Detected.						
	24 cis-1,2-dichloroethene	96	Compound Not Detected.						
	27 bromochloromethane	128	Compound Not Detected.						
	26 Cyclohexane	56	Compound Not Detected.						
	28 chloroform	83	Compound Not Detected.						
	30 carbontetrachloride	117	Compound Not Detected.						
$	32 dibromofluoromethane	113	5.484	5.484	(0.870)	116140	94.7240	94.723	
	33 1,1,1-trichloroethane	97	Compound Not Detected.						
	34 2-butanone	43	Compound Not Detected.						
	36 benzene	78	Compound Not Detected.						
$	38 1,2-dichloroethane-d4	65	6.019	6.024	(0.955)	147999	114.150	114.149	
	39 1,2-dichloroethane	62	Compound Not Detected.						
*	41 flourobenzene	96	6.303	6.303	(1.000)	470474	100.000		
	42 methyl cyclohexane	83	Compound Not Detected.						
	43 trichloroethene	95	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
46	1,2-dichloropropane	63	Compound Not Detected.						
47	bromodichloromethane	83	Compound Not Detected.						
52	cis-1,3-dichloropropene	75	Compound Not Detected.						
$ 53	toluene-d8	98	8.000	7.999	(0.811)	452277	105.301	105.301	
54	toluene	92	Compound Not Detected.						
56	4-methyl-2-pentanone	58	Compound Not Detected.						
55	tetrachloroethene	166	Compound Not Detected.						
57	trans-1,3-dichloropropene	75	Compound Not Detected.						
60	1,1,2-trichloroethane	83	Compound Not Detected.						
61	chlorodibromomethane	129	Compound Not Detected.						
64	1,2-dibromoethane	107	Compound Not Detected.						
65	2-hexanone	43	Compound Not Detected.						
* 66	chlorobenzene-d5	117	9.860	9.855	(1.000)	344545	100.000		
67	chlorobenzene	112	Compound Not Detected.						
68	ethyl benzene	91	Compound Not Detected.						
70	p/m xylene	106	Compound Not Detected.						
71	o xylene	106	Compound Not Detected.						
72	styrene	104	Compound Not Detected.						
73	bromoform	173	Compound Not Detected.						
74	isopropylbenzene	105	Compound Not Detected.						
$ 75	4-bromofluorobenzene	95	11.312	11.311	(0.905)	171172	113.046	113.045	
79	1,1,2,2,-tetrachloroethane	83	Compound Not Detected.						
92	1,3-dichlorobenzene	146	Compound Not Detected.						
* 93	1,4-dichlorobenzene-d4	152	12.496	12.495	(1.000)	146275	100.000		
94	1,4-dichlorobenzene	146	Compound Not Detected.						
97	1,2-dichlorobenzene	146	Compound Not Detected.						
99	1,2-dibromo-3-chloropropane	75	Compound Not Detected.						
102	1,2,4-trichlorobenzene	180	Compound Not Detected.						
104	1,2,3-trichlorobenzene	180	Compound Not Detected.						

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa105.i
Lab File ID: 0329A05.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Misc Info: wg878773,ical12154

Calibration Date: 29-MAR-2016
Calibration Time: 09:24
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	477691	238846	955382	470474	-1.51
66 chlorobenzene-d5	352765	176383	705530	344545	-2.33
93 1,4-dichlorobenze	156045	78023	312090	146275	-6.26

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	6.30	5.80	6.80	6.30	0.00
66 chlorobenzene-d5	9.86	9.36	10.36	9.86	0.06
93 1,4-dichlorobenze	12.50	12.00	13.00	12.50	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

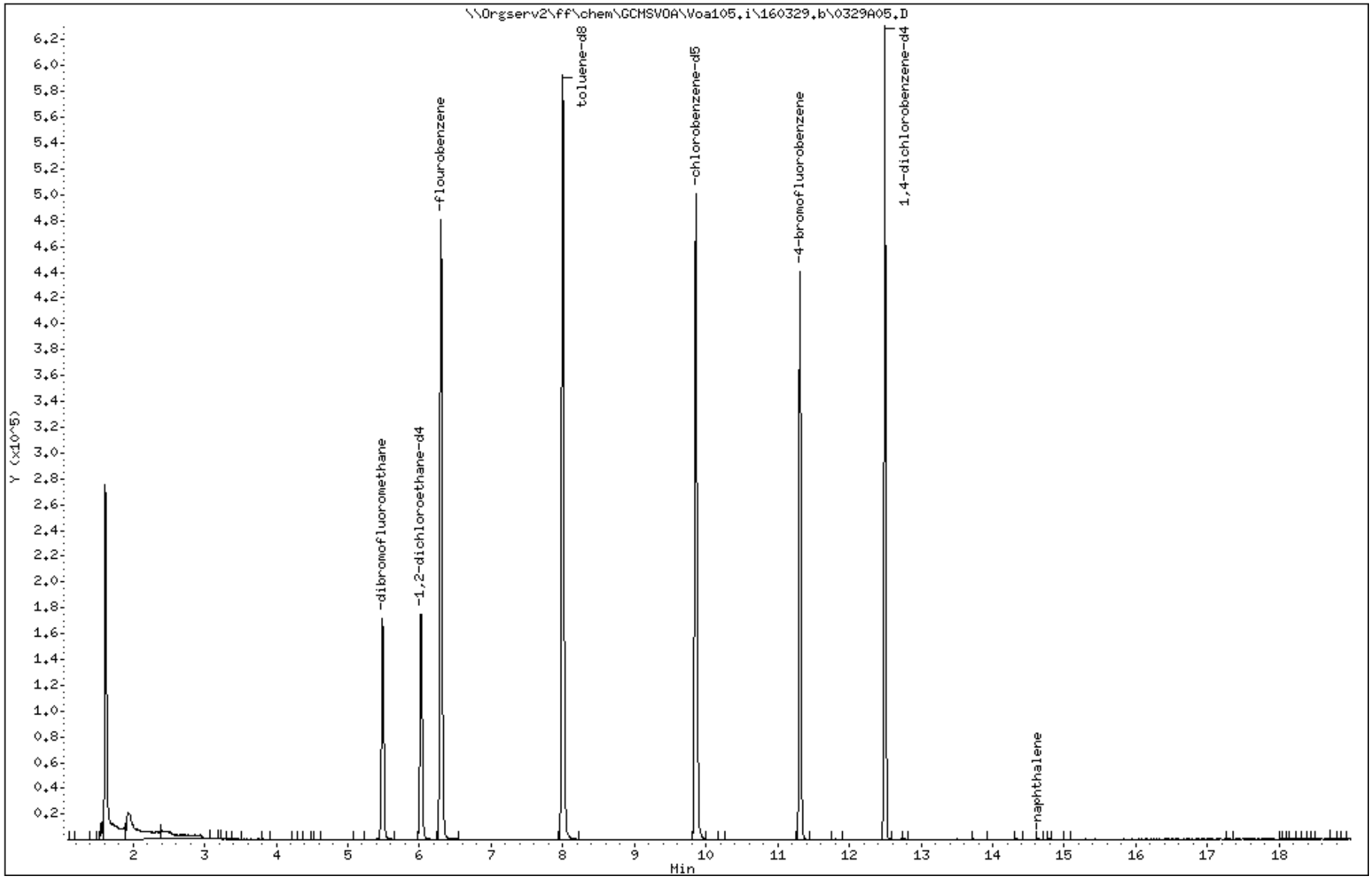
RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: curveall.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Misc Info: wg878773,ical12154

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	94.723	94.72	70-130
$ 38 1,2-dichloroethane	100.000	114.149	114.15	70-130
$ 53 toluene-d8	100.000	105.301	105.30	70-130
$ 75 4-bromofluorobenze	100.000	113.045	113.05	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A05.D
Date : 29-MAR-2016 10:35
Client ID:
Sample Info: wg878773-5,31,10
Purge Volume: 10.0
Column phase:

Instrument: Voa105.i
Operator: PD
Column diameter: 0.18



Manual Integration

Sample Info : wg878773-5,31,10
wg878773,ical12154

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0329A05.D
Injection Date : 29-MAR-2016 10:35
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: SAMPLE

There are no manual integrations in this file.

Batch Quality Control

LCS Raw Data

Alpha Analytical Labs

gc/ms voa - VOA105

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D
Lab Smp Id:
Inj Date : 29-MAR-2016 09:24
Operator : PD Inst ID: Voa105.i
Smp Info : wg878773-3,31,10
Misc Info : wg878773,ical12154
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Meth Date : 30-Mar-2016 12:32 Voa105.i Quant Type: ISTD
Cal Date : 16-MAR-2016 00:29 Cal File: 0215N09.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	1.774	1.774	(0.281)	81549	103.847	103.847	
	2 chloromethane	50	1.976	1.976	(0.314)	83904	120.322	120.321(M)	M1
	3 vinyl chloride	62	2.063	2.063	(0.327)	102873	128.992	128.992	
	4 bromomethane	94	2.401	2.401	(0.381)	41866	114.790	114.789(M)	M1
	5 chloroethane	64	2.527	2.527	(0.401)	62328	182.125	182.124(RM)	M1
	6 trichlorofluoromethane	101	2.669	2.669	(0.423)	142348	134.925	134.924	
	8 1,1,-dichloroethene	96	3.181	3.181	(0.505)	71995	105.058	105.058	
	10 freon-113	101	3.220	3.220	(0.511)	77663	104.614	104.613	
	9 carbon disulfide	76	3.214	3.214	(0.510)	224903	107.401	107.400	
	11 methylene chloride	84	3.760	3.760	(0.597)	79095	115.566	115.565	
	13 acetone	43	3.803	3.803	(0.604)	13440	92.6786	92.678	
	14 trans-1,2-dichloroethene	96	3.913	3.913	(0.621)	80739	106.238	106.238	
	15 Methyl Acetate	43	3.924	3.924	(0.623)	36769	121.248	121.247(M)	M1
	16 methyl tert butyl ether	73	4.005	4.005	(0.636)	152978	98.9261	98.926	
	19 1,1-dichloroethane	63	4.513	4.513	(0.716)	175678	119.890	119.890(R)	
	23 vinyl acetate	43	4.747	4.747	(0.753)	165146	139.268	139.268(R)	
	24 cis-1,2-dichloroethene	96	5.037	5.037	(0.799)	88982	107.428	107.427	
	27 bromochloromethane	128	5.233	5.233	(0.830)	35146	96.9543	96.954	
	26 Cyclohexane	56	5.228	5.228	(0.829)	173801	114.520	114.519	
	28 chloroform	83	5.304	5.304	(0.842)	156747	115.210	115.210	
	30 carbontetrachloride	117	5.435	5.435	(0.862)	109770	95.3229	95.322	
$	32 dibromofluoromethane	113	5.484	5.484	(0.870)	122334	98.2684	98.268	
	33 1,1,1-trichloroethane	97	5.506	5.506	(0.874)	132812	104.282	104.282	
	34 2-butanone	43	5.604	5.604	(0.889)	24869	118.107	118.107	
	36 benzene	78	5.877	5.877	(0.932)	350642	111.562	111.561	
$	38 1,2-dichloroethane-d4	65	6.024	6.024	(0.956)	148077	112.484	112.484	
	39 1,2-dichloroethane	62	6.090	6.090	(0.966)	115077	122.294	122.293	
*	41 flourobenzene	96	6.303	6.303	(1.000)	477691	100.000		

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	42 methyl cyclohexane	83	6.455	6.455	(1.024)	140096	103.671	103.671	
	43 trichloroethene	95	6.472	6.472	(1.027)	91785	108.995	108.994	
	46 1,2-dichloropropane	63	7.034	7.034	(1.116)	92536	118.308	118.308	
	47 bromodichloromethane	83	7.099	7.099	(1.126)	107319	108.879	108.879	
	52 cis-1,3-dichloropropene	75	7.792	7.792	(1.236)	120188	103.118	103.118	
$	53 toluene-d8	98	7.999	7.999	(0.812)	465430	105.838	105.838	
	54 toluene	92	8.059	8.059	(0.818)	214404	99.4584	99.458	
	56 4-methyl-2-pentanone	58	8.501	8.501	(1.349)	15474	101.725	101.724	
	55 tetrachloroethene	166	8.501	8.501	(0.863)	77880	94.7662	94.766	
	57 trans-1,3-dichloropropene	75	8.551	8.551	(0.868)	94958	106.121	106.120	
	60 1,1,2-trichloroethane	83	8.736	8.736	(0.887)	47652	119.704	119.704	
	61 chlorodibromomethane	129	8.949	8.949	(0.908)	60088	87.9029	87.902	
	64 1,2-dibromoethane	107	9.233	9.233	(0.937)	51373	108.761	108.760	
	65 2-hexanone	43	9.511	9.511	(0.965)	28728	104.266	104.266	
*	66 chlorobenzene-d5	117	9.855	9.855	(1.000)	352765	100.000		
	67 chlorobenzene	112	9.882	9.882	(1.003)	230481	110.591	110.591	
	68 ethyl benzene	91	9.909	9.909	(1.006)	425169	115.984	115.983	
	70 p/m xylene	106	10.095	10.095	(1.024)	314498	225.175	225.174	
	71 o xylene	106	10.619	10.619	(1.078)	296946	225.135	225.135	
	72 styrene	104	10.684	10.684	(1.084)	482933	227.313	227.312	
	73 bromoform	173	10.717	10.717	(0.858)	26267	82.6010	82.601	
	74 isopropylbenzene	105	10.990	10.990	(0.879)	391030	117.428	117.428	
$	75 4-bromofluorobenzene	95	11.311	11.311	(0.905)	178076	110.242	110.241	
	79 1,1,2,2,-tetrachloroethane	83	11.546	11.546	(0.924)	56827	128.984	128.984(R)	
	92 1,3-dichlorobenzene	146	12.419	12.419	(0.994)	150013	107.891	107.890	
*	93 1,4-dichlorobenzene-d4	152	12.495	12.495	(1.000)	156045	100.000		
	94 1,4-dichlorobenzene	146	12.512	12.512	(1.001)	151756	110.617	110.616	
	97 1,2-dichlorobenzene	146	12.932	12.932	(1.035)	127011	109.378	109.378	
	99 1,2-dibromo-3-chloropropane	75	13.723	13.723	(1.098)	24601	128.680	128.679	
	102 1,2,4-trichlorobenzene	180	14.323	14.323	(1.146)	48482	95.8402	95.840	
	104 1,2,3-trichlorobenzene	180	14.787	14.787	(1.183)	26982	99.9823	99.982	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa105.i
Lab File ID: 0329A02.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Misc Info: wg878773,ical12154

Calibration Date: 29-MAR-2016
Calibration Time: 09:24
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	477691	238846	955382	477691	0.00
66 chlorobenzene-d5	352765	176383	705530	352765	0.00
93 1,4-dichlorobenze	156045	78023	312090	156045	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 flourobenzene	6.30	5.80	6.80	6.30	0.00
66 chlorobenzene-d5	9.86	9.36	10.36	9.86	0.00
93 1,4-dichlorobenze	12.50	12.00	13.00	12.50	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: LCS
SpikeList File: newtcreek.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Misc Info: wg878773,ical12154

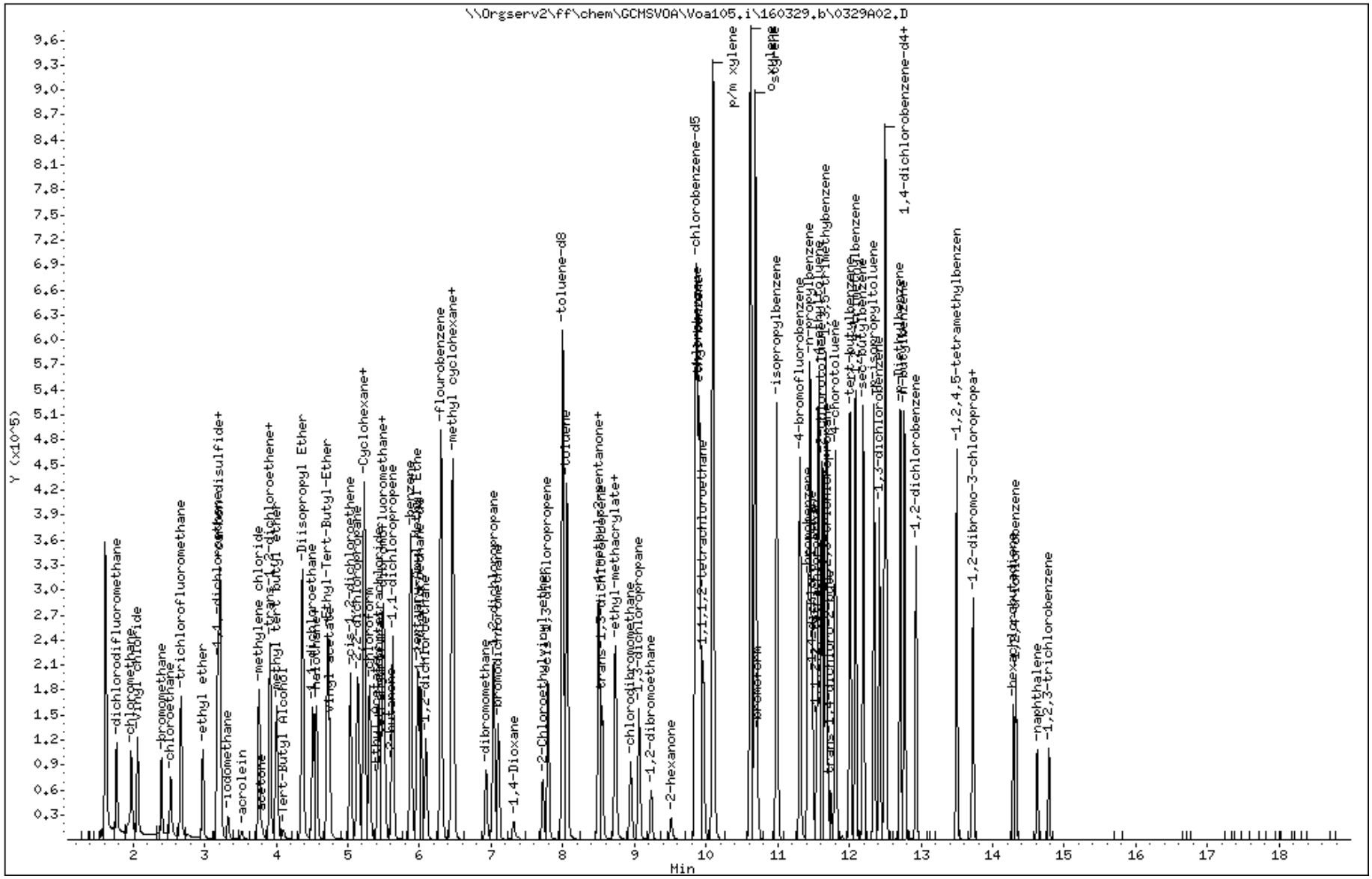
SPIKE	COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
1	dichlorodifluorome	100.000	103.847	103.85	36-147
2	chloromethane	100.000	120.321	120.32	64-130
3	vinyl chloride	100.000	128.992	128.99	55-140
4	bromomethane	100.000	114.789	114.79	39-139
5	chloroethane	100.000	182.124	182.12*	55-138
6	trichlorofluoromet	100.000	134.924	134.92	62-150
8	1,1,-dichloroethen	100.000	105.058	105.06	61-145
9	carbon disulfide	100.000	107.400	107.40	51-121
10	freon-113	100.000	104.613	104.61	70-130
11	methylene chloride	100.000	115.565	115.57	74-121
13	acetone	100.000	92.678	92.68	58-148
14	trans-1,2-dichloro	100.000	106.238	106.24	75-125
15	Methyl Acetate	100.000	121.247	121.25	70-130
16	methyl tert butyl	100.000	98.926	98.93	63-112
19	1,1-dichloroethane	100.000	119.890	119.89*	73-119
23	vinyl acetate	100.000	139.268	139.27*	83-124
24	cis-1,2-dichloroet	100.000	107.427	107.43	75-125
27	bromochloromethane	100.000	96.954	96.95	74-123
26	Cyclohexane	100.000	114.519	114.52	70-130
28	chloroform	100.000	115.210	115.21	75-125
30	carbontetrachlorid	100.000	95.322	95.32	63-132
33	1,1,1-trichloroeth	100.000	104.282	104.28	67-123
34	2-butanone	100.000	118.107	118.11	63-138
36	benzene	100.000	111.561	111.56	76-127
39	1,2-dichloroethane	100.000	122.293	122.29	71-125
43	trichloroethene	100.000	108.994	108.99	71-120
42	methyl cyclohexane	100.000	103.671	103.67	70-130
46	1,2-dichloropropan	100.000	118.308	118.31	70-120
47	bromodichlorometha	100.000	108.879	108.88	67-121
52	cis-1,3-dichloropr	100.000	103.118	103.12	75-125
54	toluene	100.000	99.458	99.46	76-125
56	4-methyl-2-pentano	100.000	101.724	101.72	59-126
55	tetrachloroethene	100.000	94.766	94.77	70-130
57	trans-1,3-dichloro	100.000	106.120	106.12	75-125
60	1,1,2-trichloroeth	100.000	119.704	119.70	70-125
61	chlorodibromometha	100.000	87.902	87.90	63-119
64	1,2-dibromoethane	100.000	108.760	108.76	70-119
65	2-hexanone	100.000	104.266	104.27	57-128
67	chlorobenzene	100.000	110.591	110.59	75-130
68	ethyl benzene	100.000	115.983	115.98	79-118

SPIKE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
70 p/m xylene	200.000	225.174	112.59	75-125
71 o xylene	200.000	225.135	112.57	75-125
72 styrene	200.000	227.312	113.66	70-122
73 bromoform	100.000	82.601	82.60	54-136
74 isopropylbenzene	100.000	117.428	117.43	73-122
79 1,1,2,2,-tetrachlo	100.000	128.984	128.98*	67-124
92 1,3-dichlorobenzen	100.000	107.890	107.89	75-125
94 1,4-dichlorobenzen	100.000	110.616	110.62	75-125
97 1,2-dichlorobenzen	100.000	109.378	109.38	75-125
99 1,2-dibromo-3-chlo	100.000	128.679	128.68	41-144
102 1,2,4-trichloroben	100.000	95.840	95.84	75-125
104 1,2,3-trichloroben	100.000	99.982	99.98	75-125

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	98.268	98.27	70-130
$ 38 1,2-dichloroethane	100.000	112.484	112.48	70-130
$ 53 toluene-d8	100.000	105.838	105.84	70-130
$ 75 4-bromofluorobenze	100.000	110.241	110.24	70-130

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D
Date : 29-MAR-2016 09:24
Client ID:
Sample Info: wg878773-3,31,10
Purge Volume: 10.0
Column phase:

Instrument: Voa105.i
Operator: PD
Column diameter: 0.18



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Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

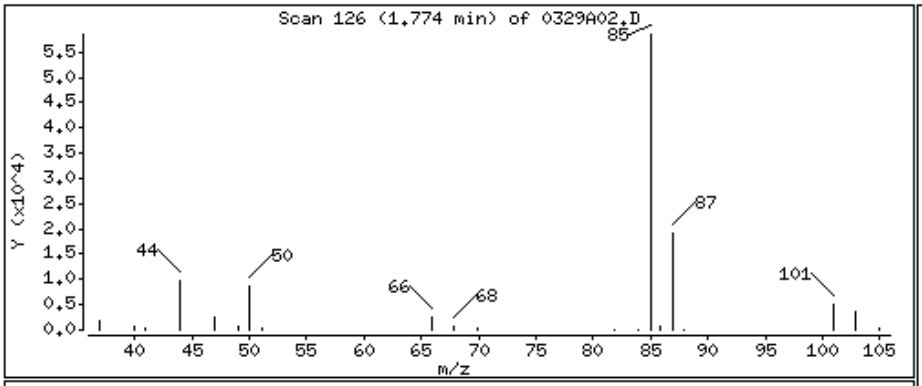
Operator: PD

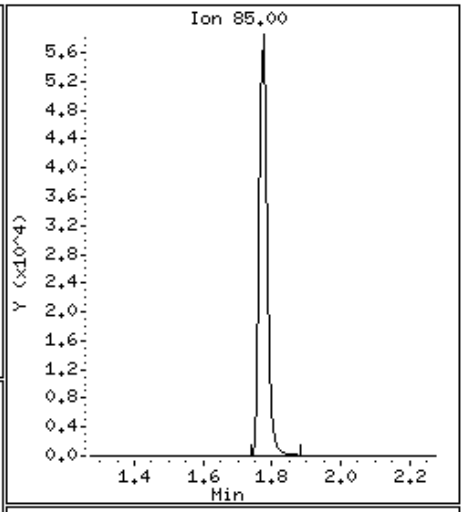
Column phase:

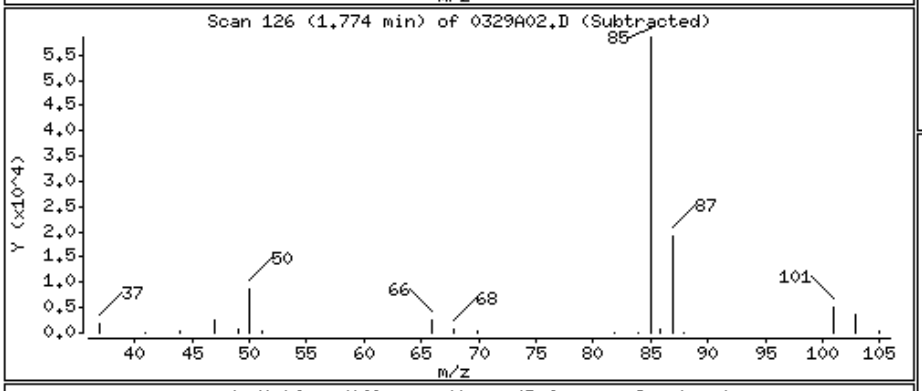
Column diameter: 0.18

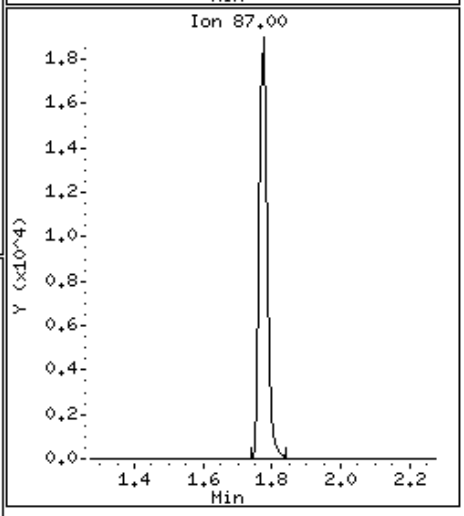
1 dichlorodifluoromethane

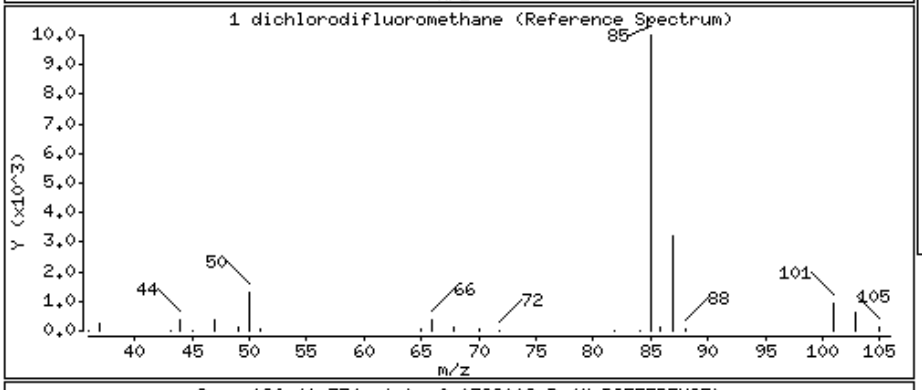
Concentration: 103.847 ngs

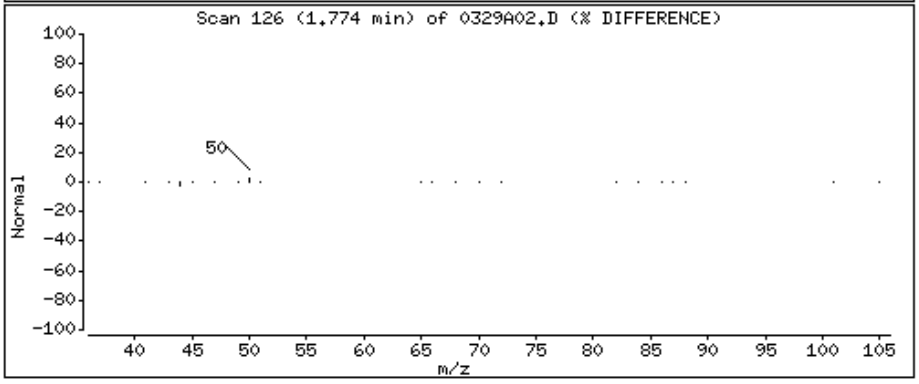












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Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

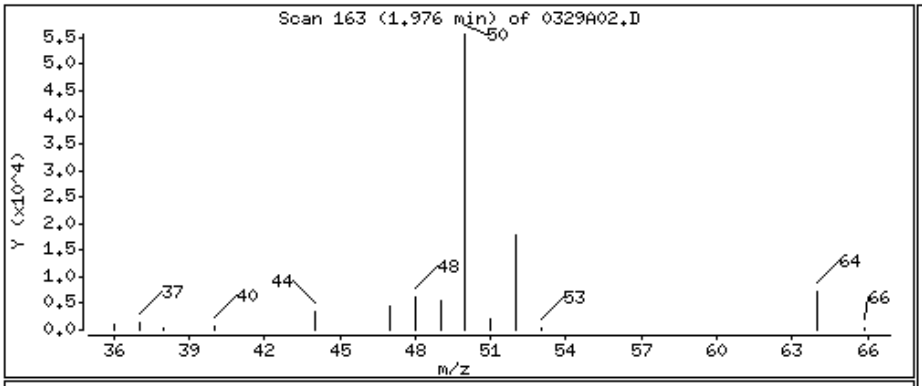
Operator: PD

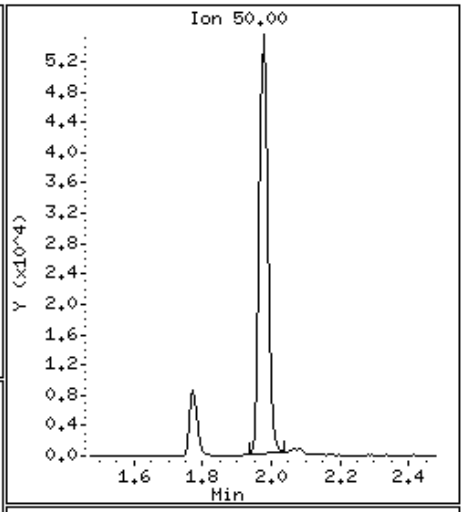
Column phase:

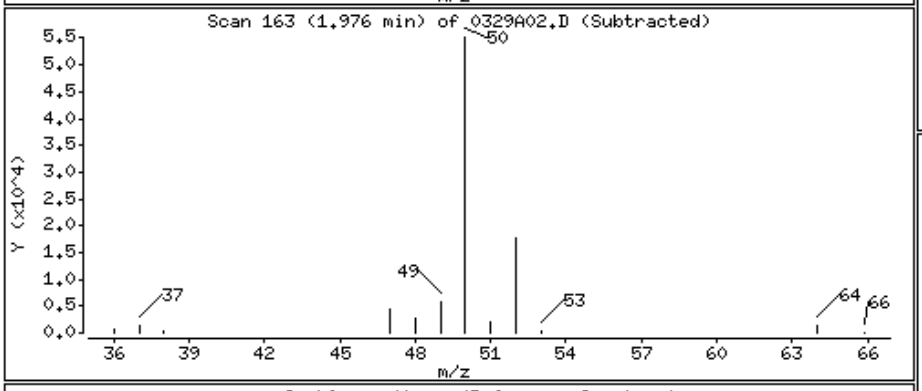
Column diameter: 0.18

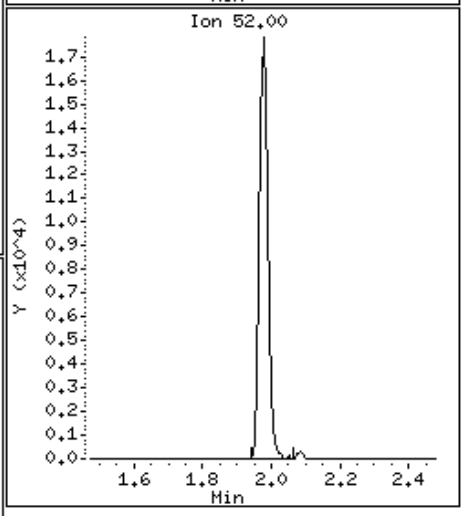
2 chloromethane

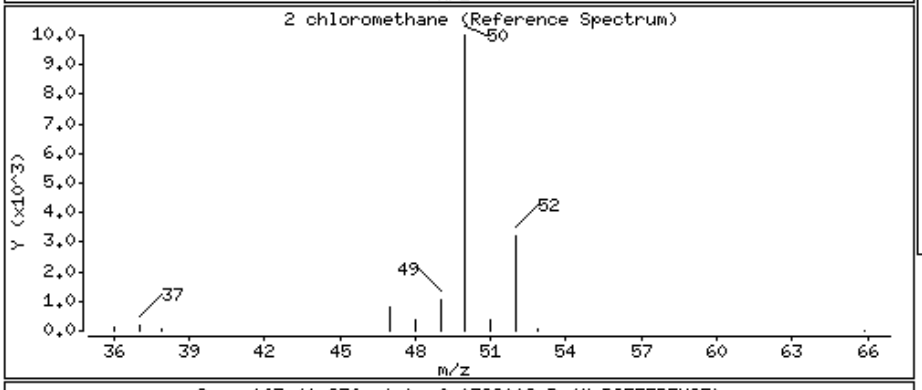
Concentration: 120.321 ngs

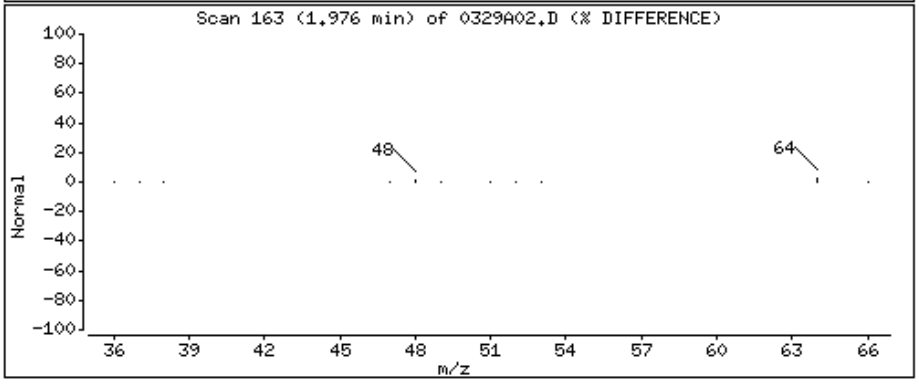












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Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

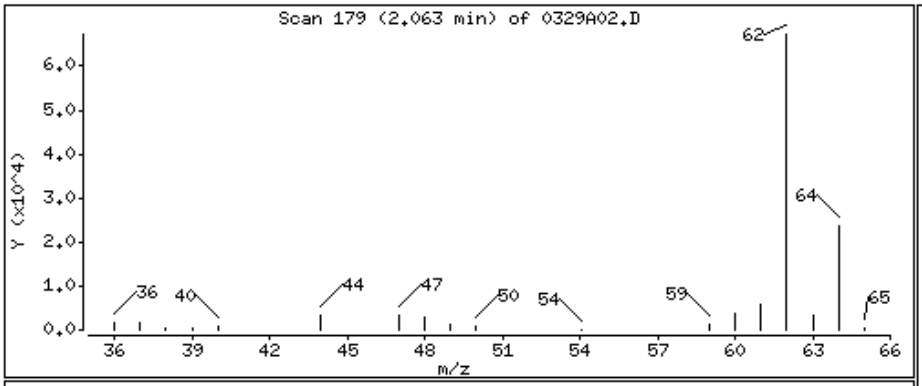
Operator: PD

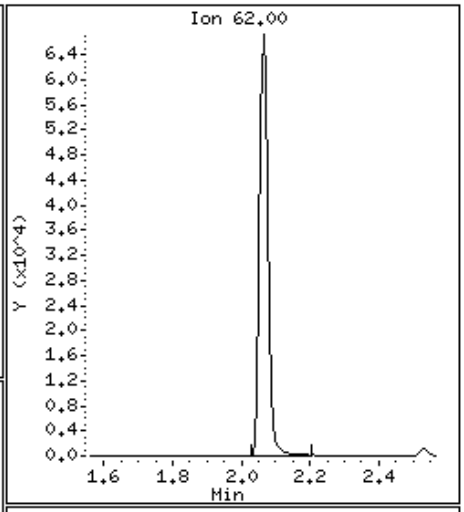
Column phase:

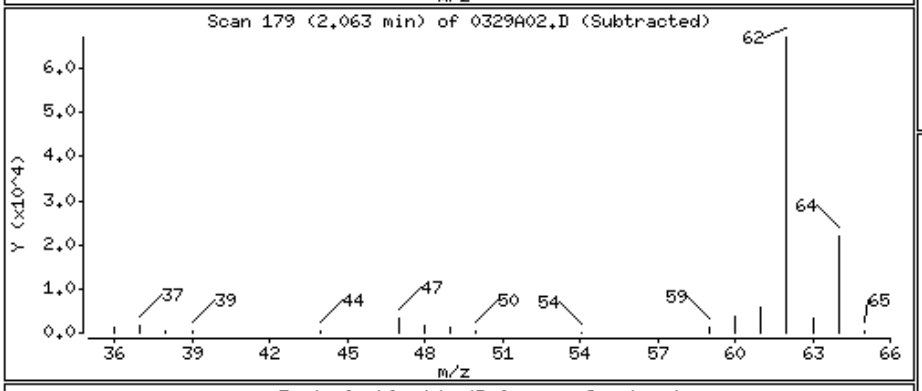
Column diameter: 0.18

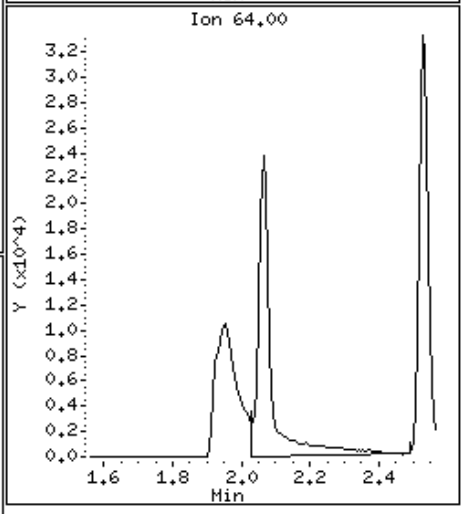
3 vinyl chloride

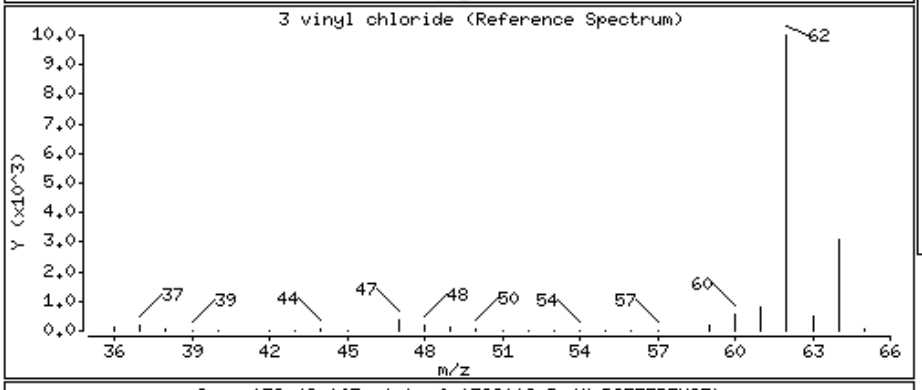
Concentration: 128.992 ngs

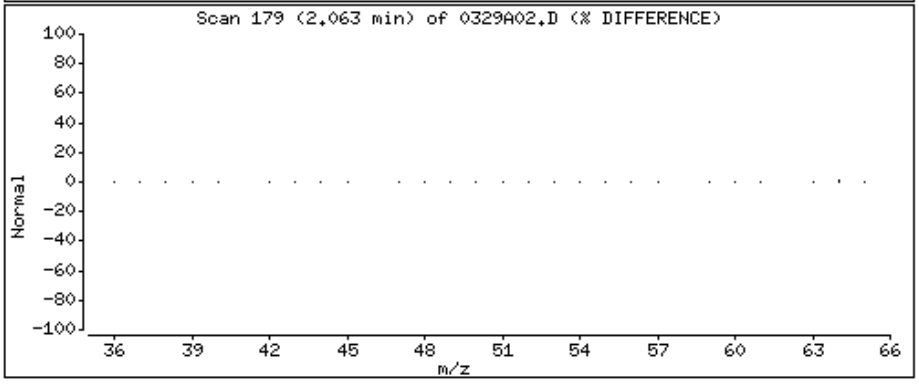












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

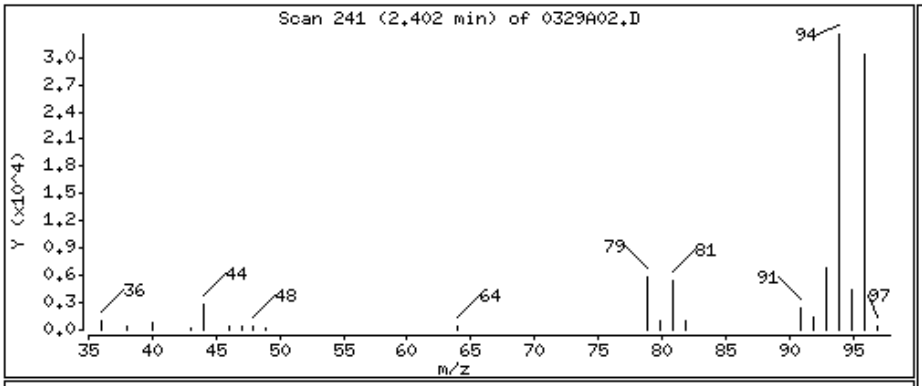
Operator: PD

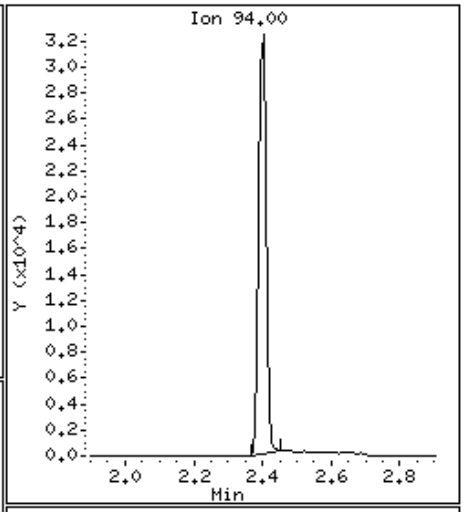
Column phase:

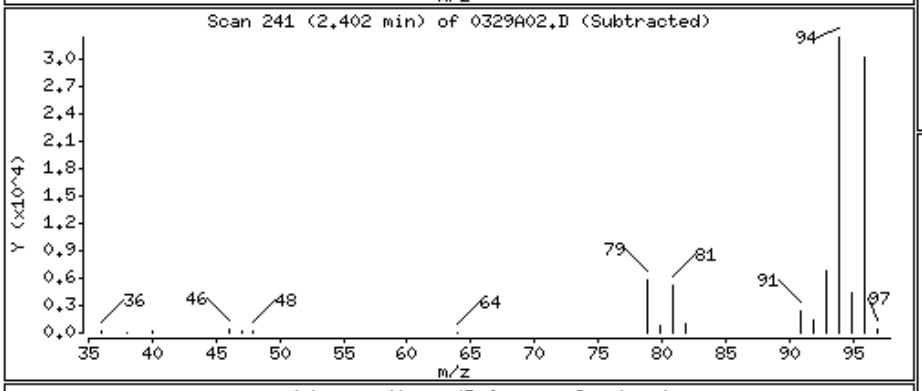
Column diameter: 0.18

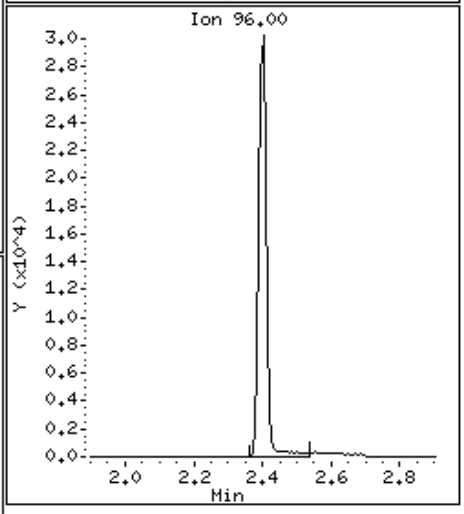
4 bromomethane

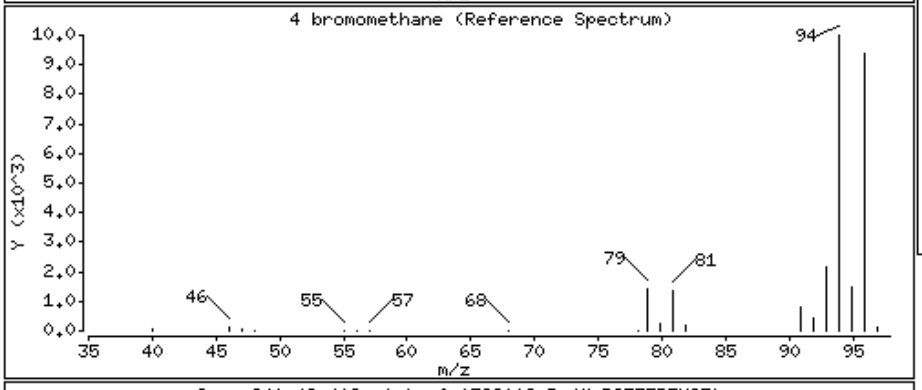
Concentration: 114.789 ngs

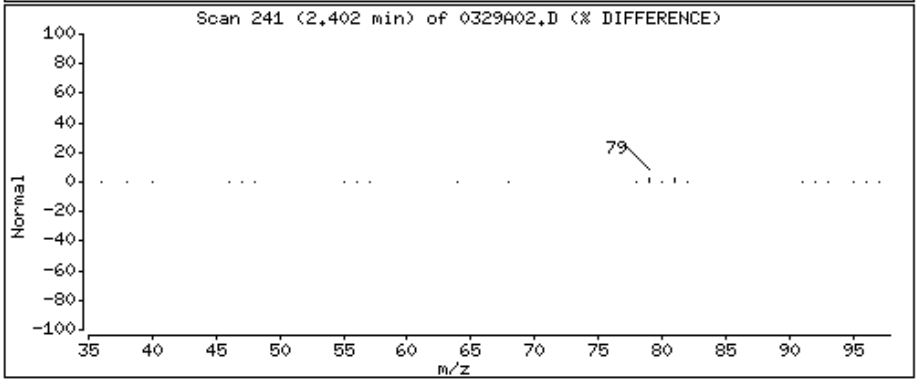












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

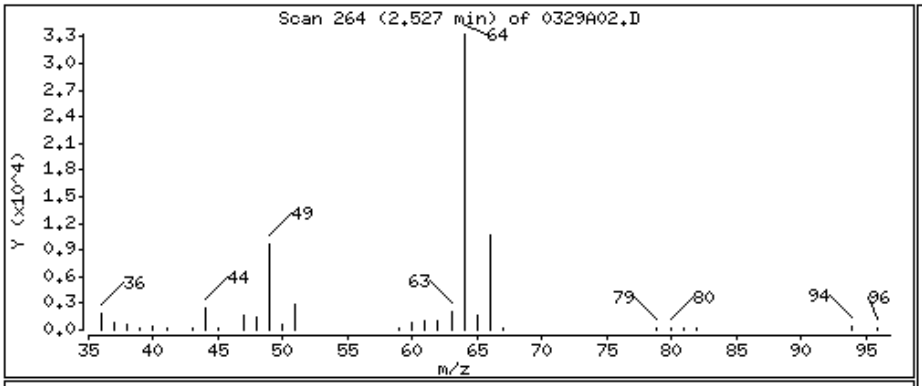
Operator: PD

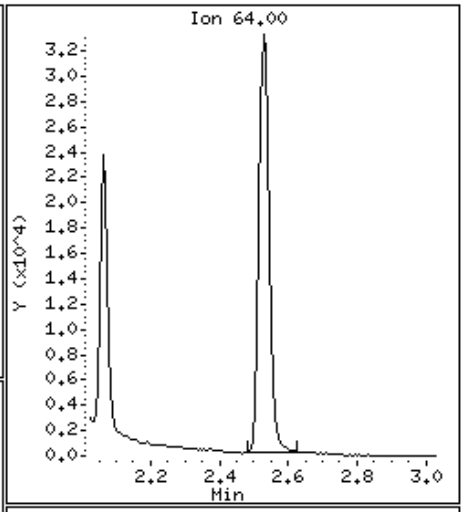
Column phase:

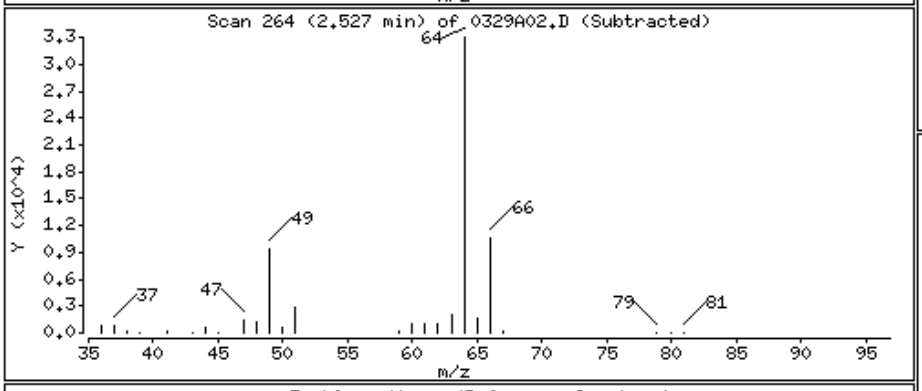
Column diameter: 0.18

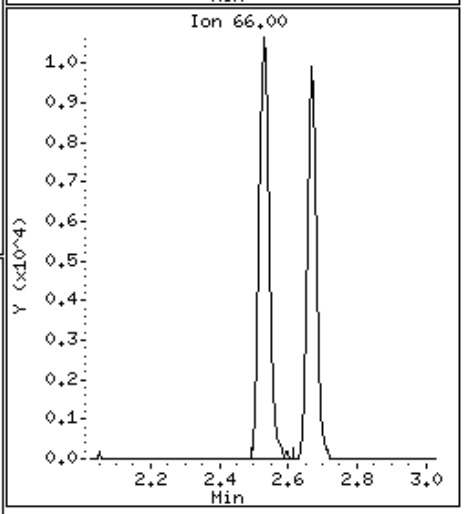
5 chloroethane

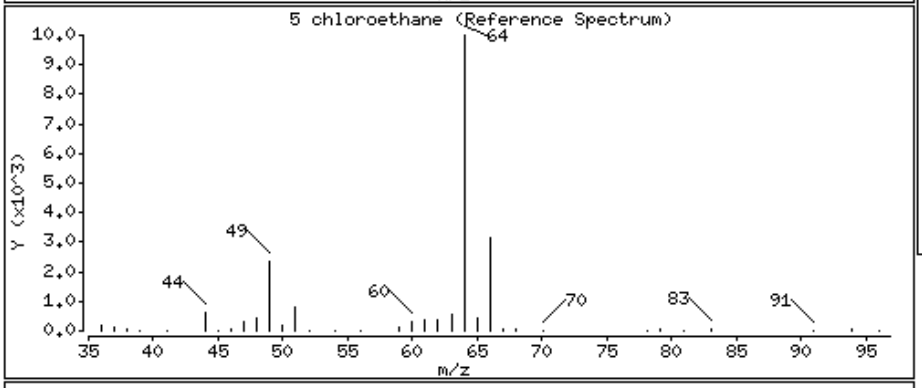
Concentration: 182.124 ngs

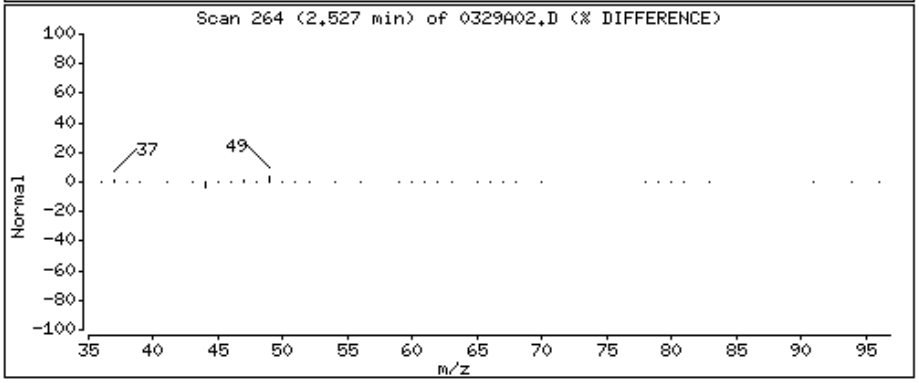












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

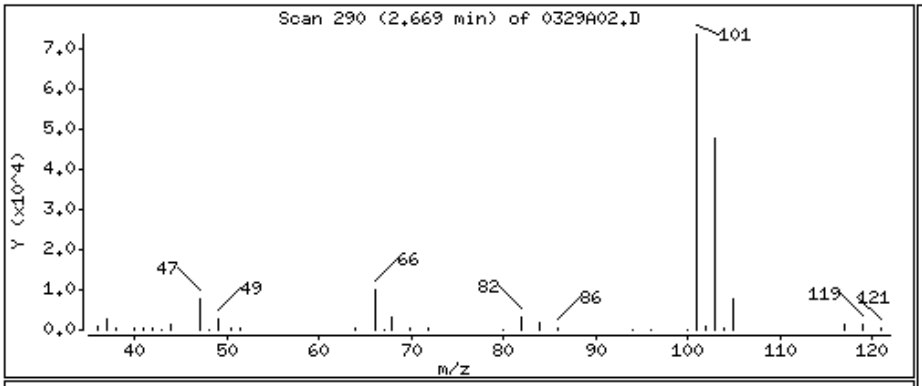
Operator: PD

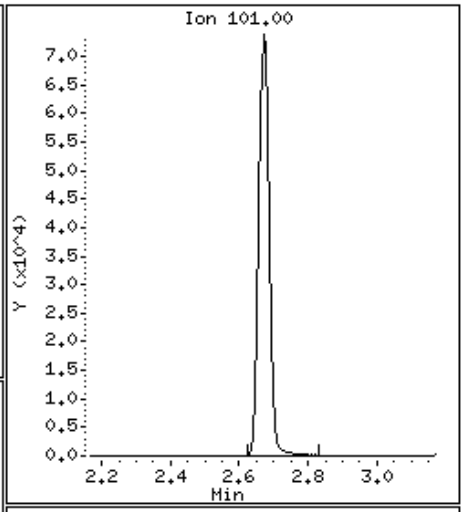
Column phase:

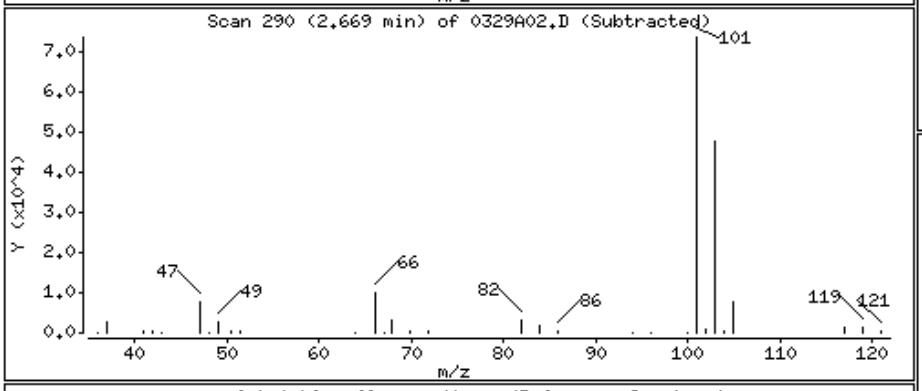
Column diameter: 0.18

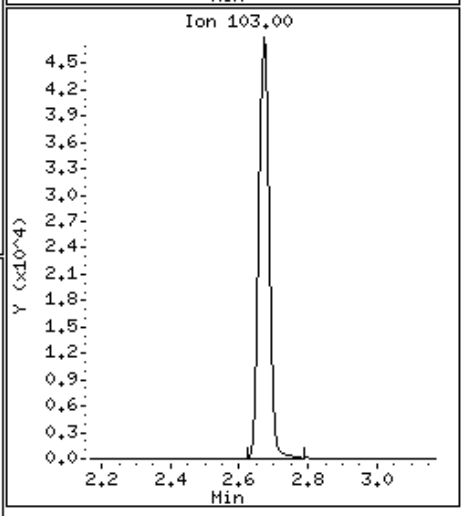
6 trichlorofluoromethane

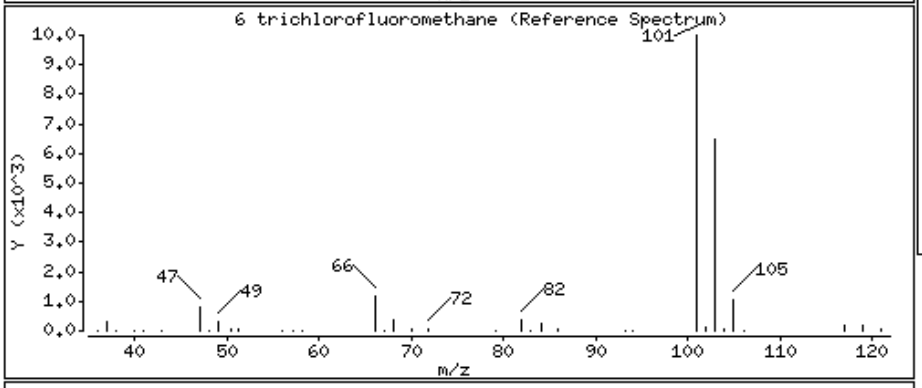
Concentration: 134.924 ngs

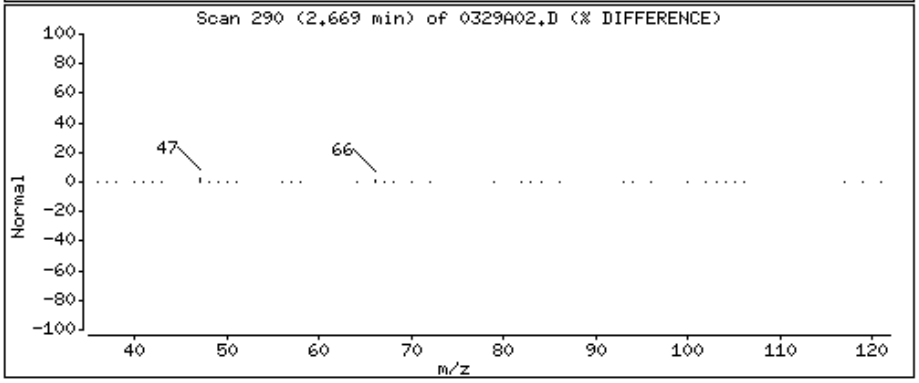












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

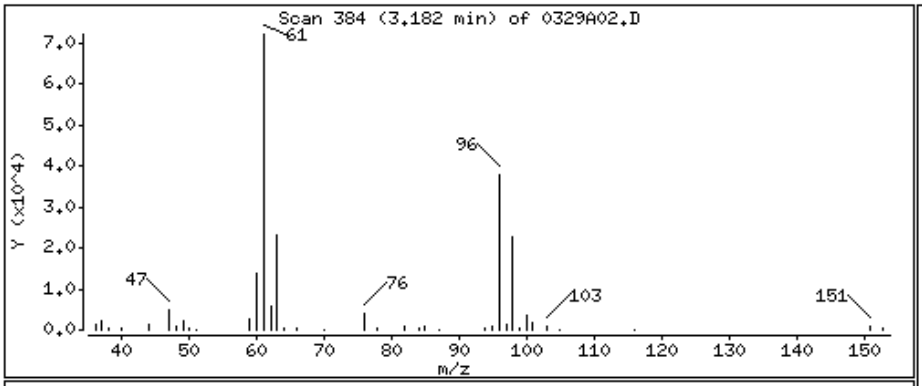
Operator: PD

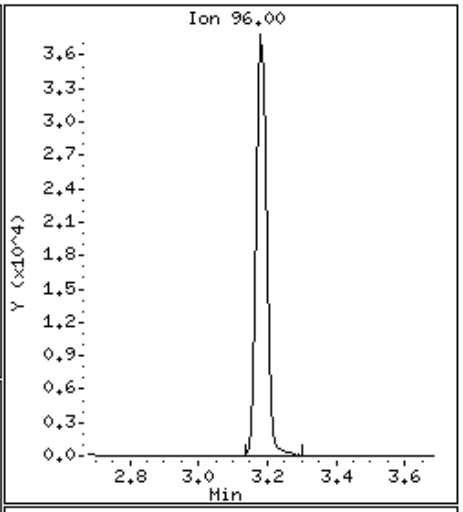
Column phase:

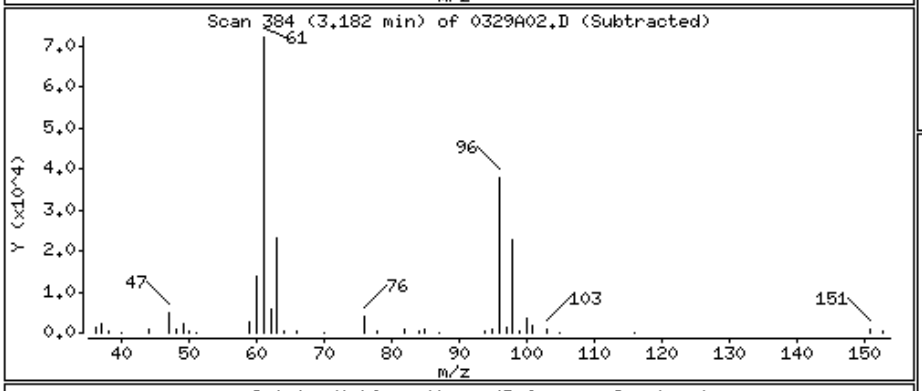
Column diameter: 0.18

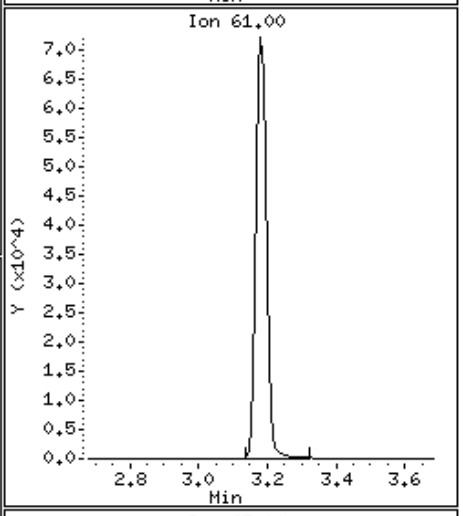
8 1,1,-dichloroethene

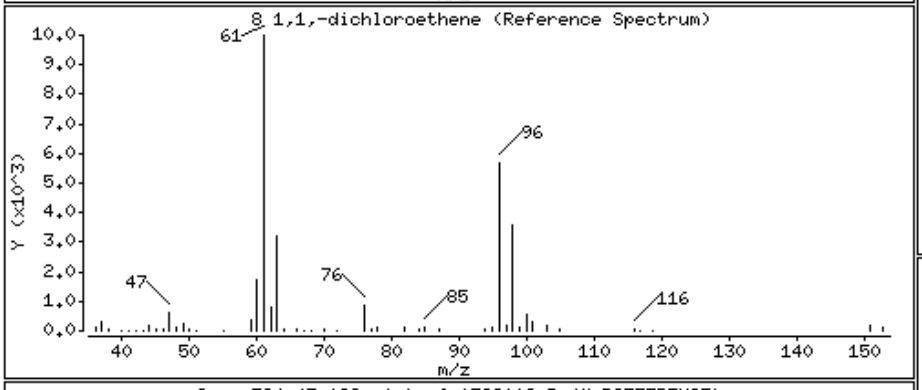
Concentration: 105.058 ngs

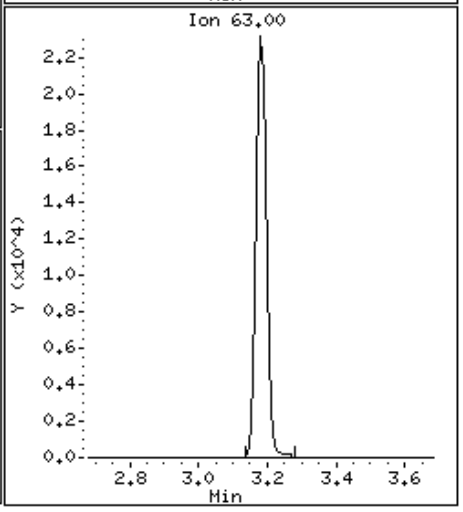


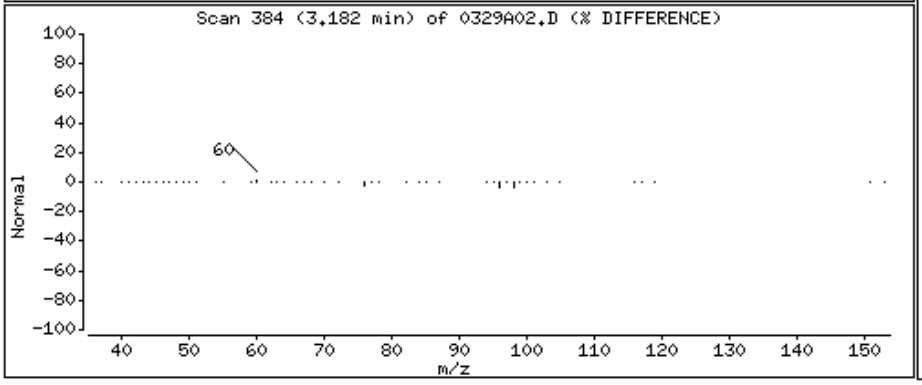












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

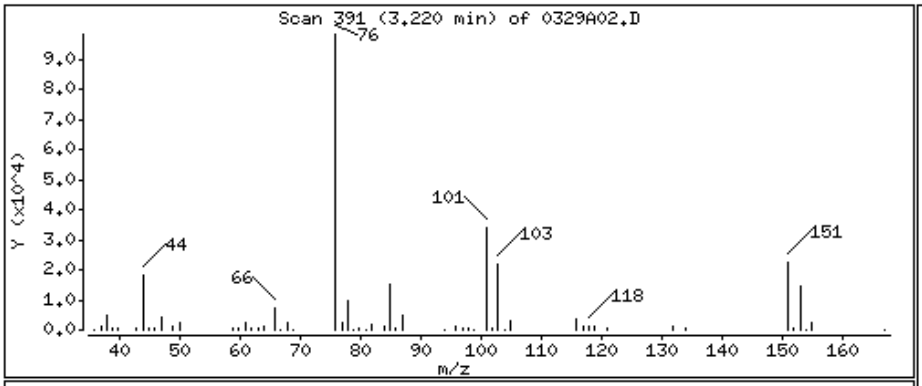
Operator: PD

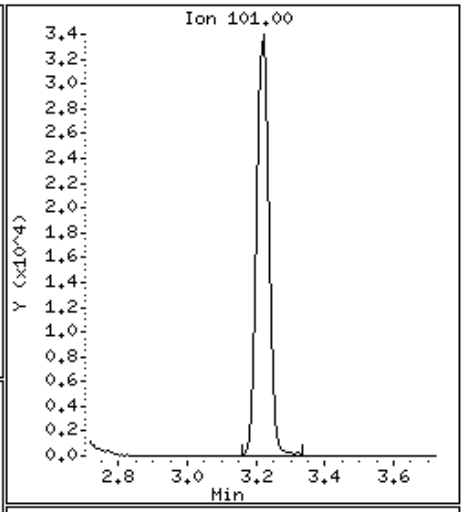
Column phase:

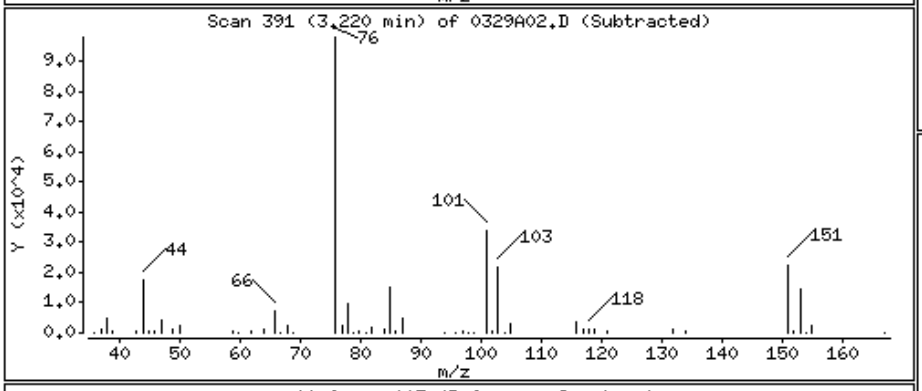
Column diameter: 0.18

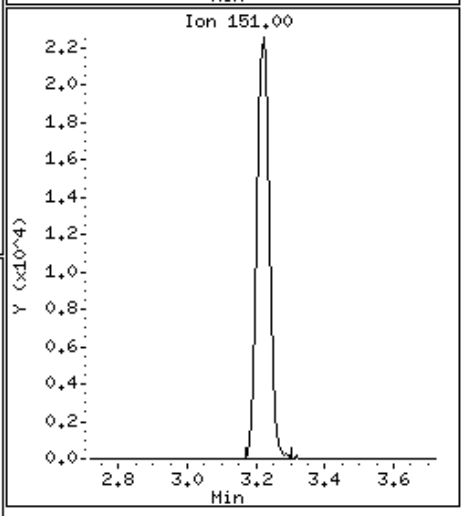
10 freon-113

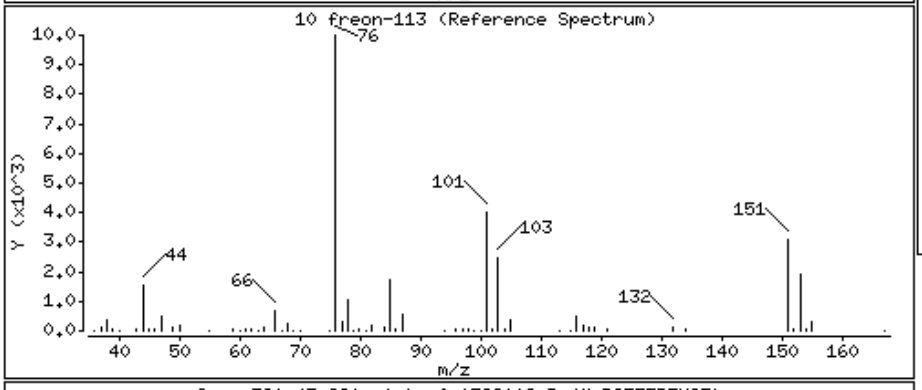
Concentration: 104.613 ngs

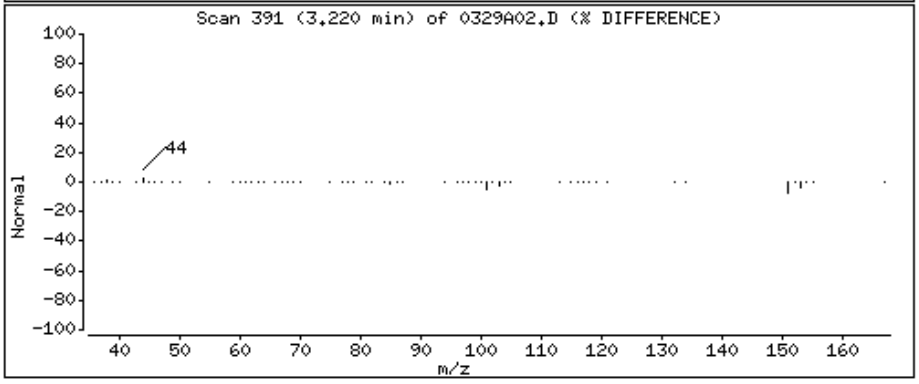












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

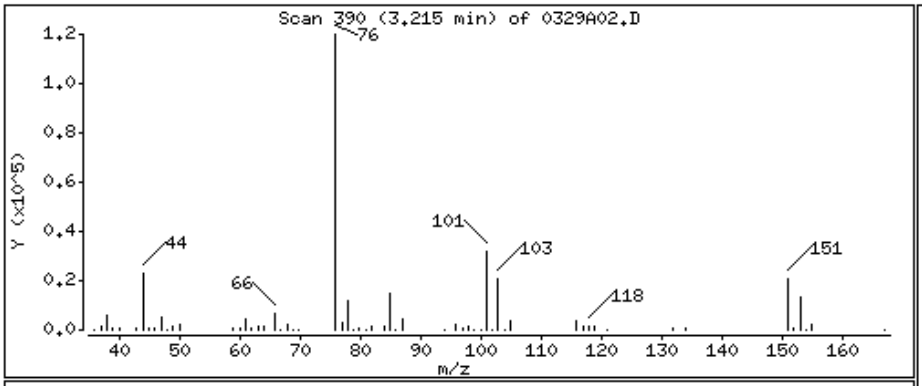
Operator: PD

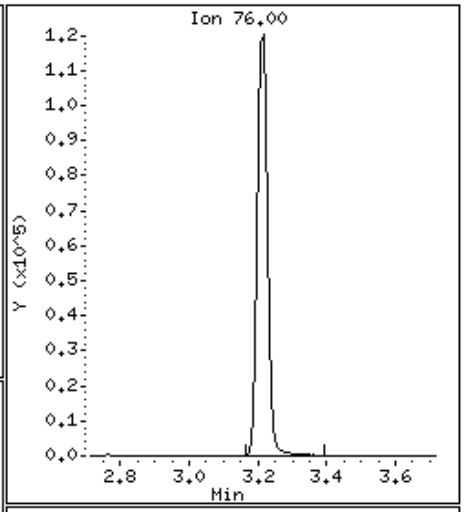
Column phase:

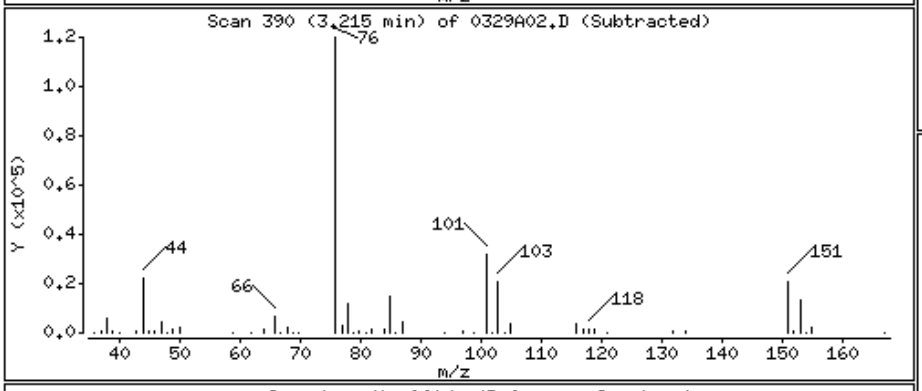
Column diameter: 0.18

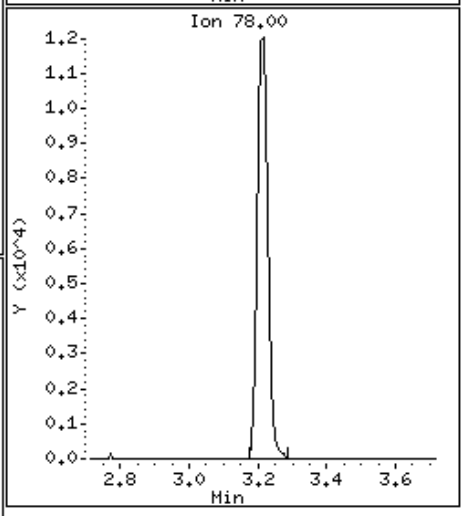
9 carbon disulfide

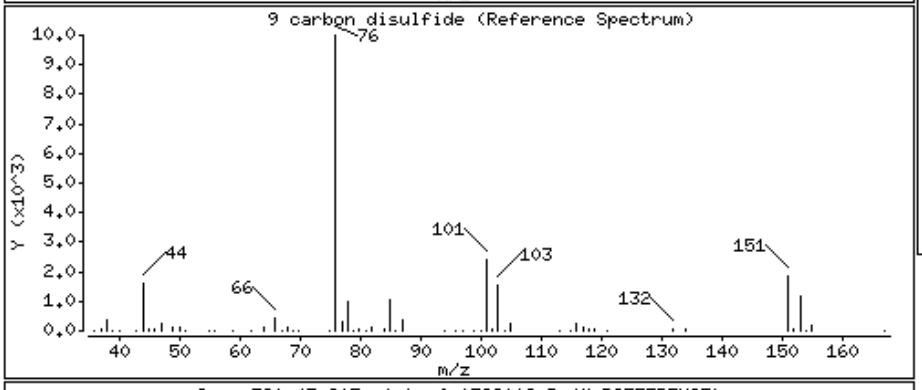
Concentration: 107.400 ngs

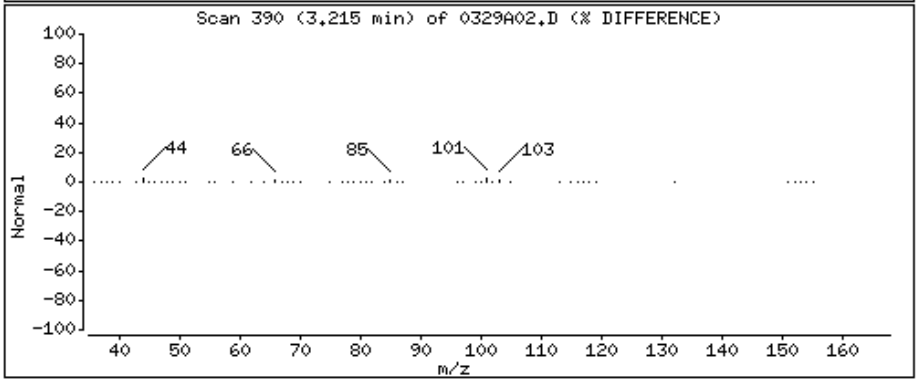












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

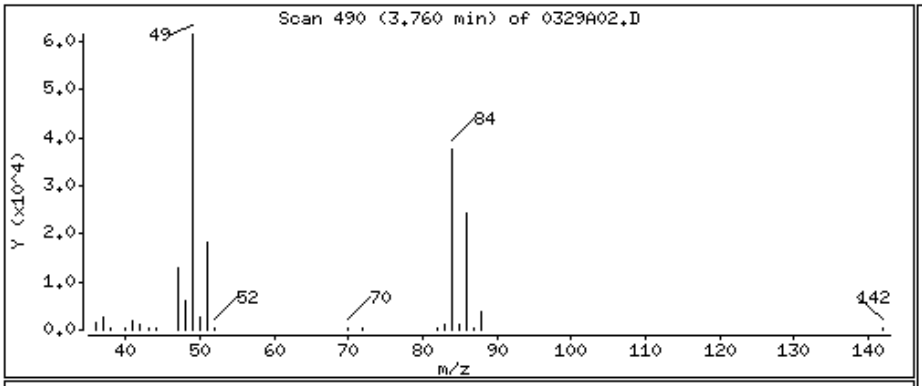
Operator: PD

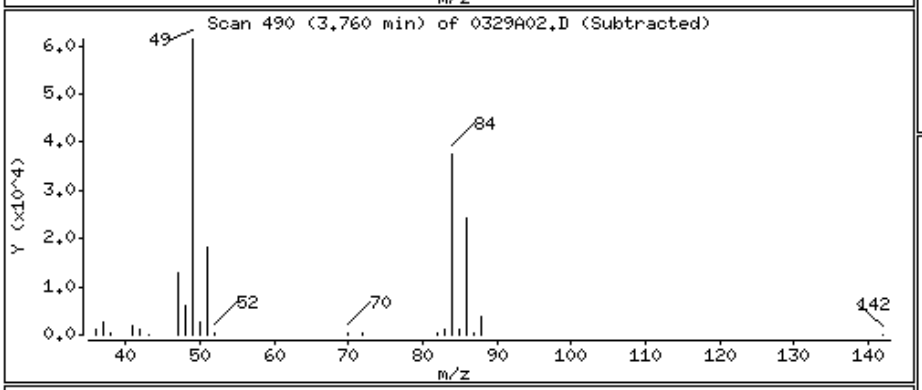
Column phase:

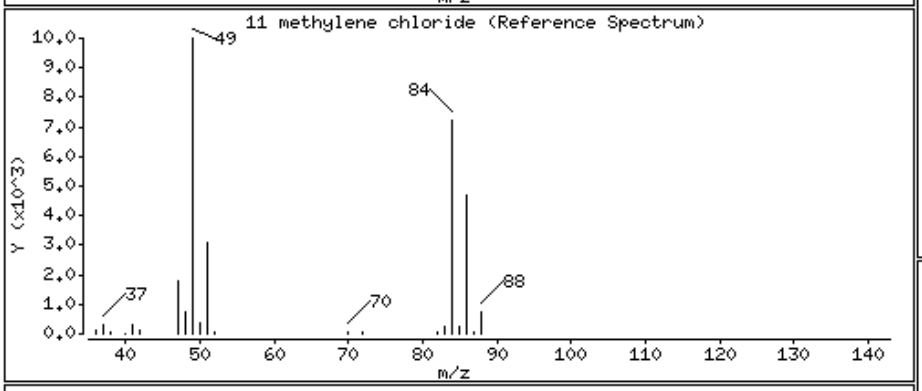
Column diameter: 0.18

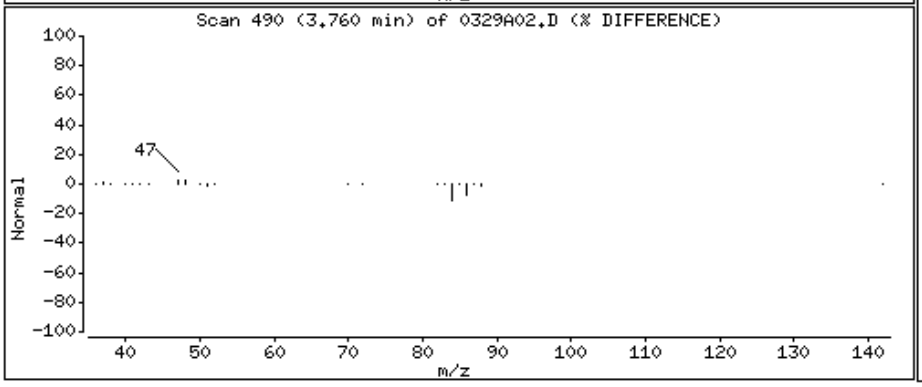
11 methylene chloride

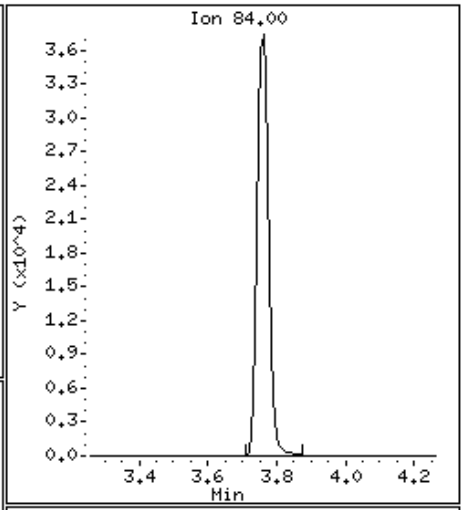
Concentration: 115.565 ngs

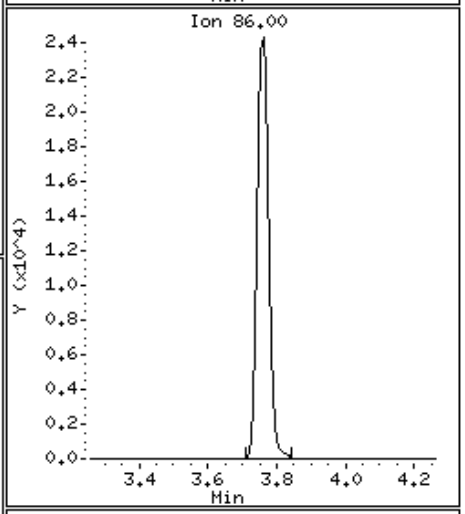


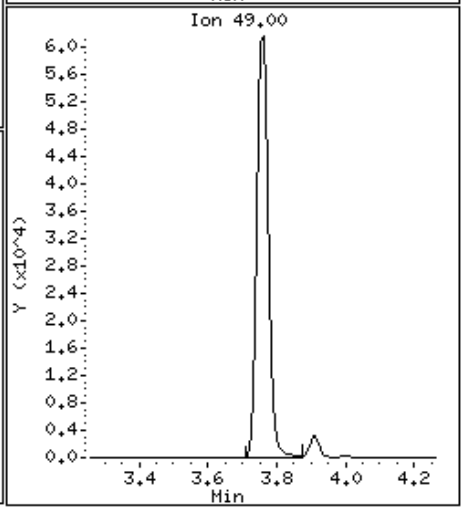












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

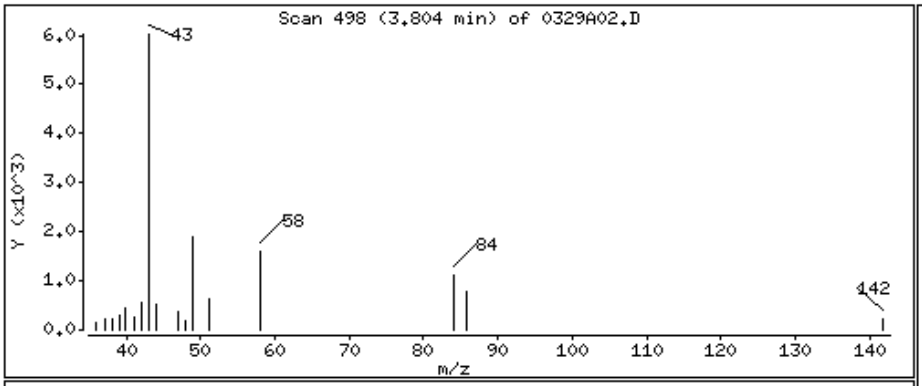
Operator: PD

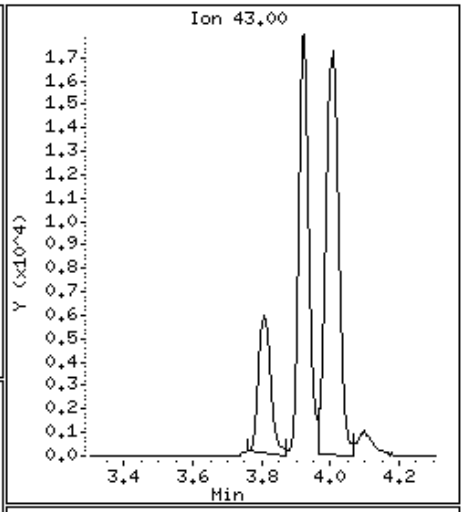
Column phase:

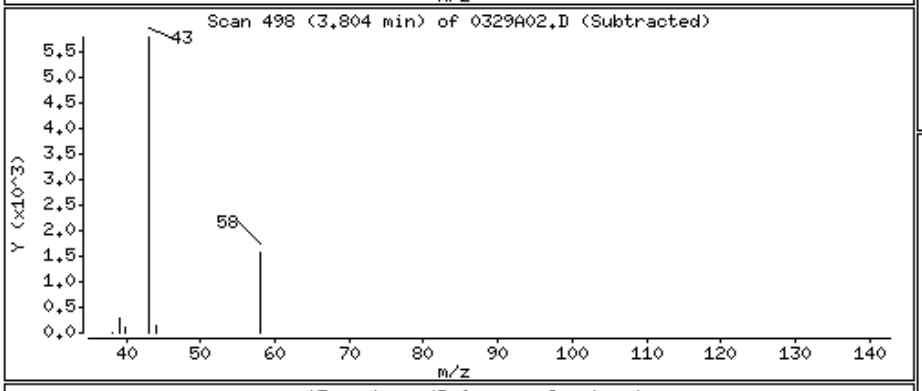
Column diameter: 0.18

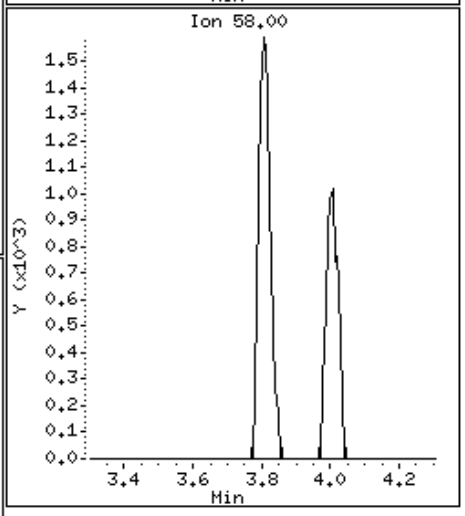
13 acetone

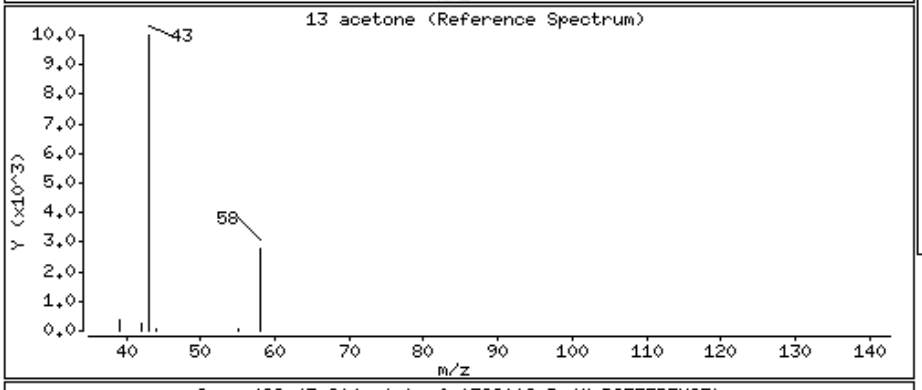
Concentration: 92.678 ngs

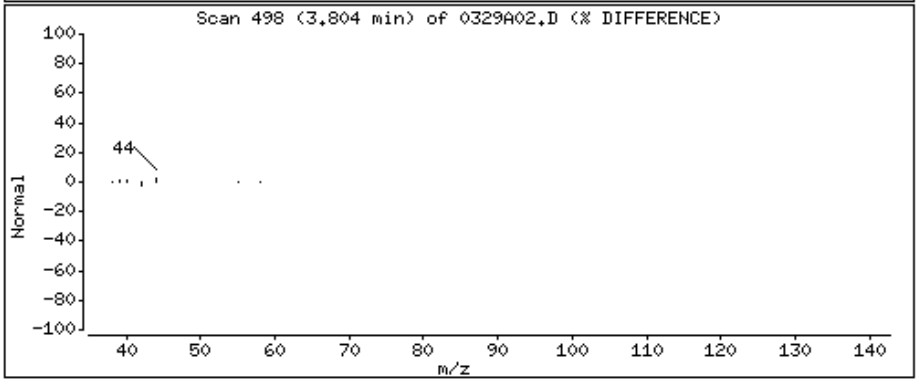












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

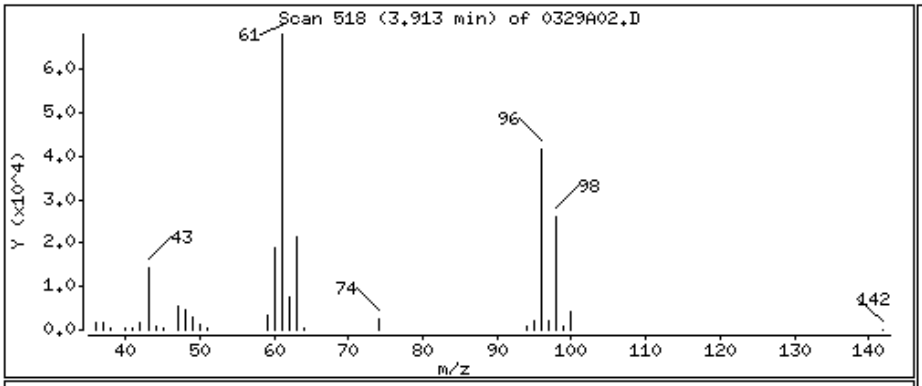
Operator: PD

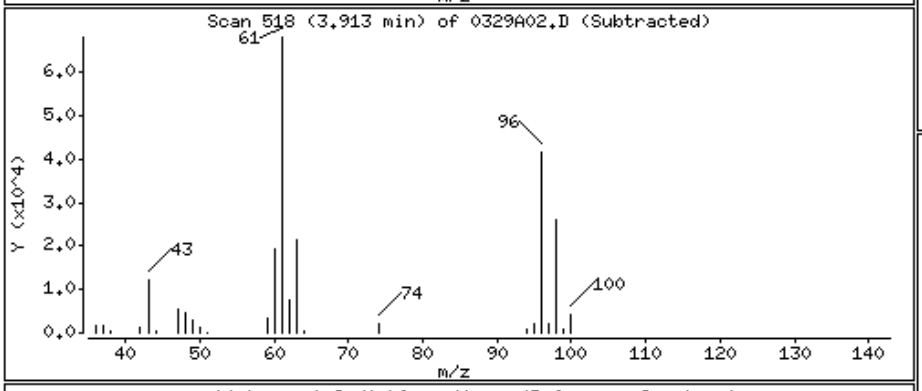
Column phase:

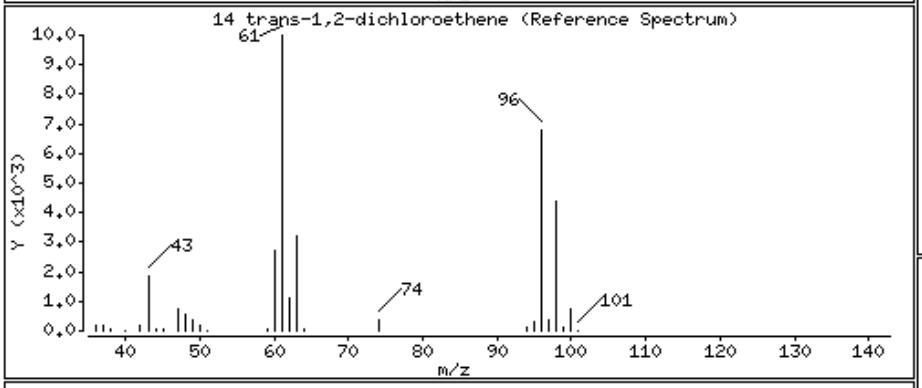
Column diameter: 0.18

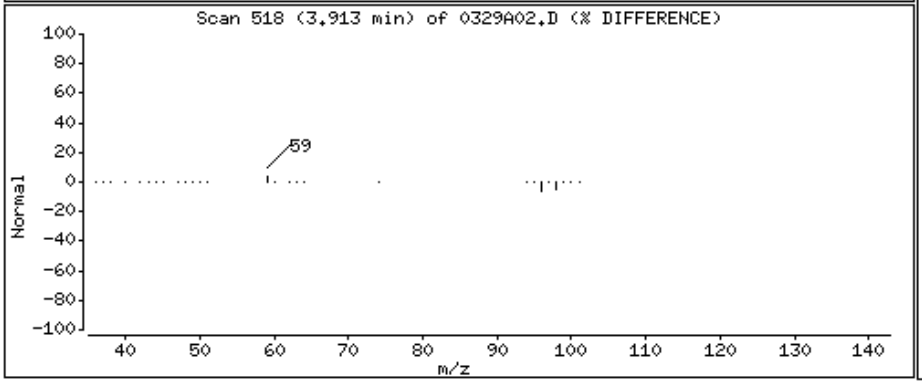
14 trans-1,2-dichloroethene

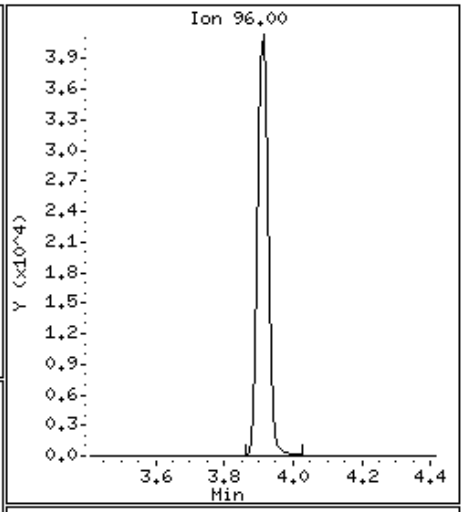
Concentration: 106.238 ngs

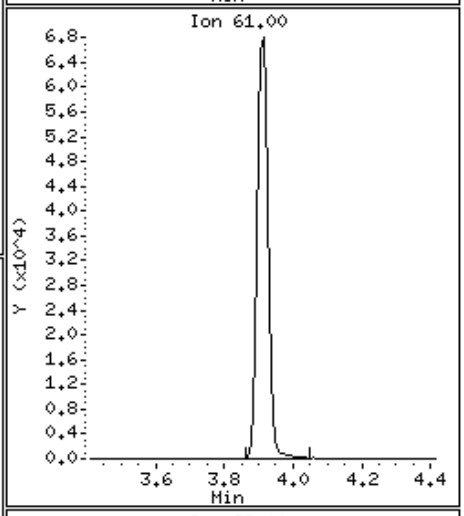


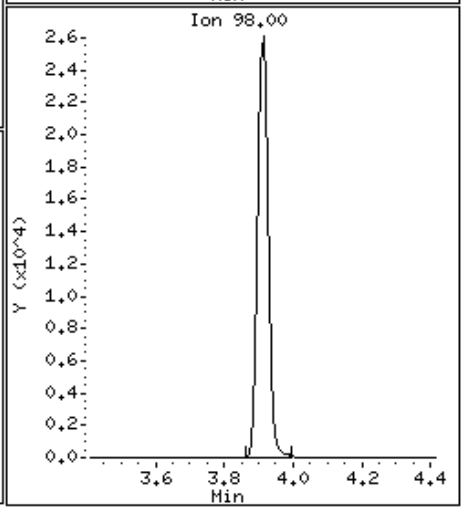












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

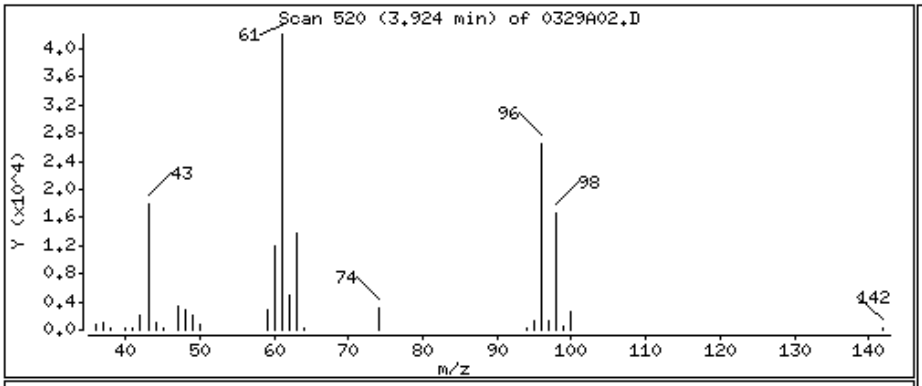
Operator: PD

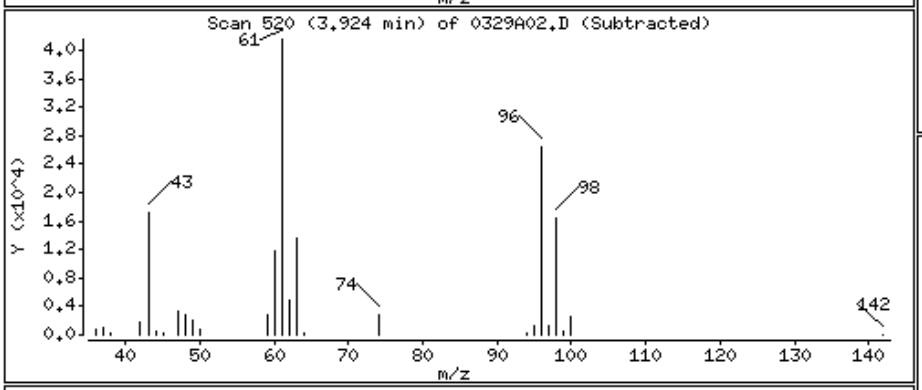
Column phase:

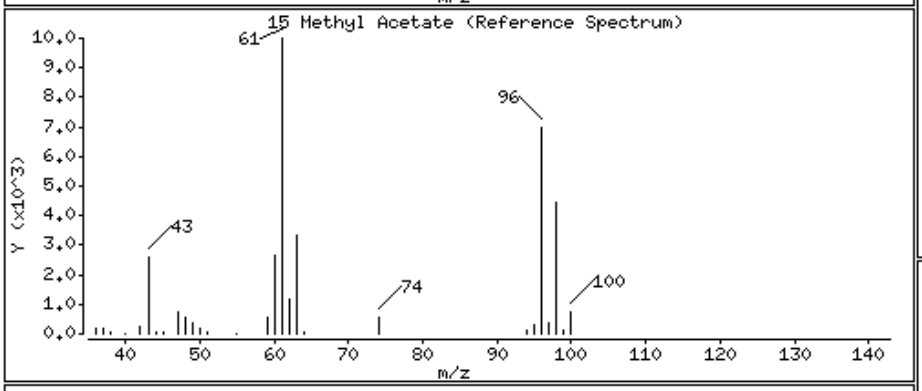
Column diameter: 0.18

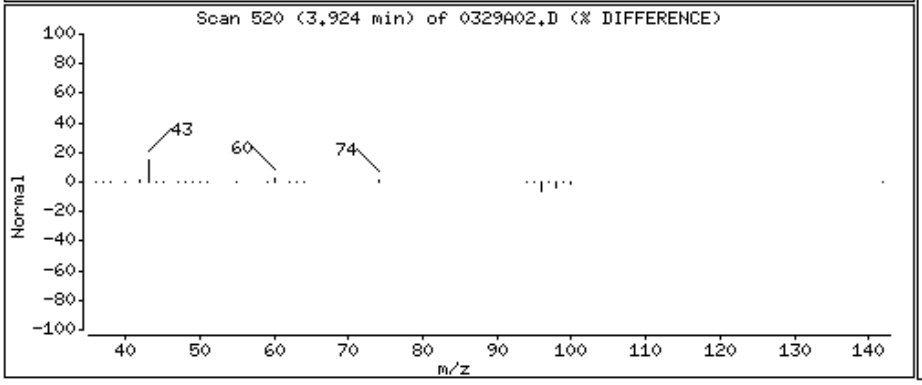
15 Methyl Acetate

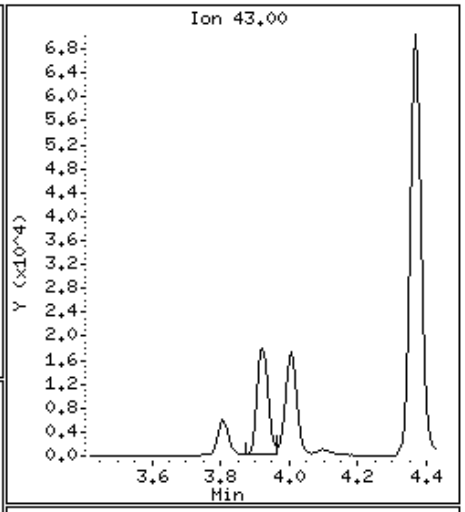
Concentration: 121.247 ngs

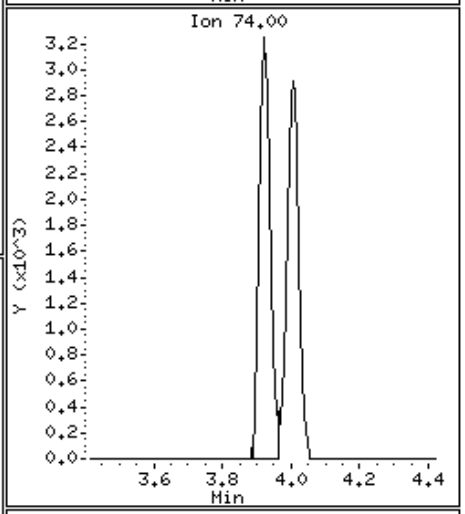


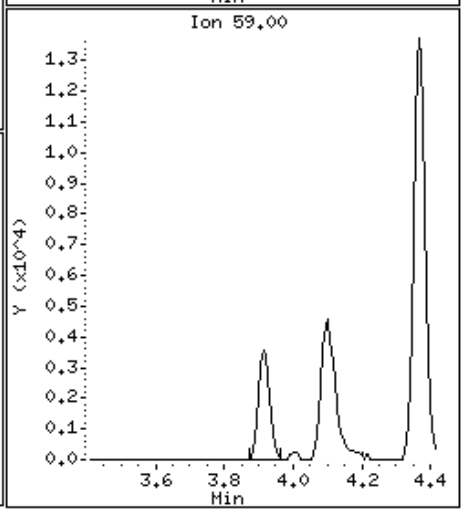












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

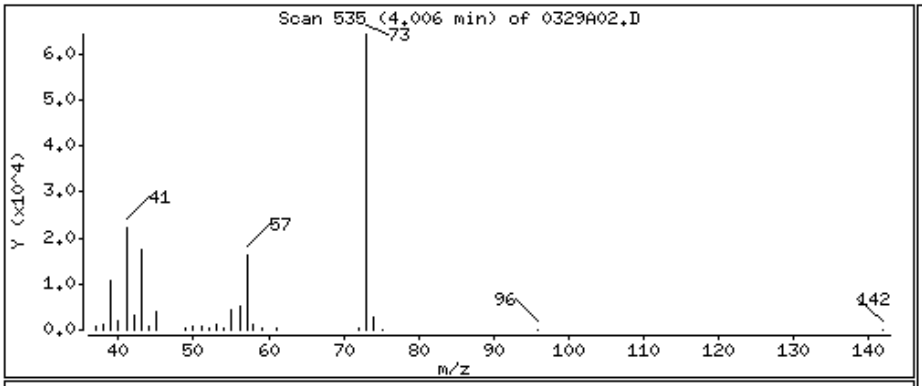
Operator: PD

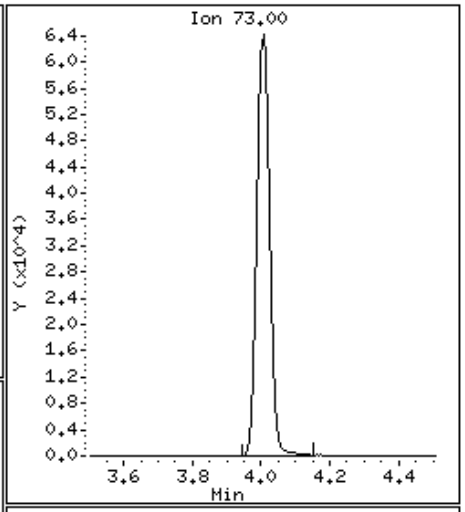
Column phase:

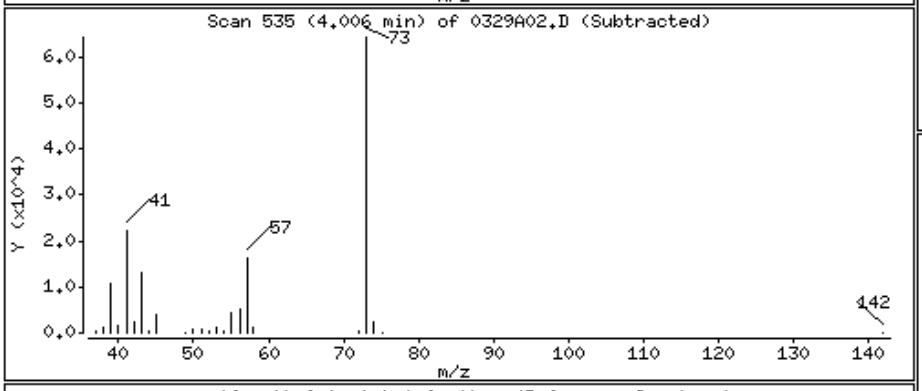
Column diameter: 0.18

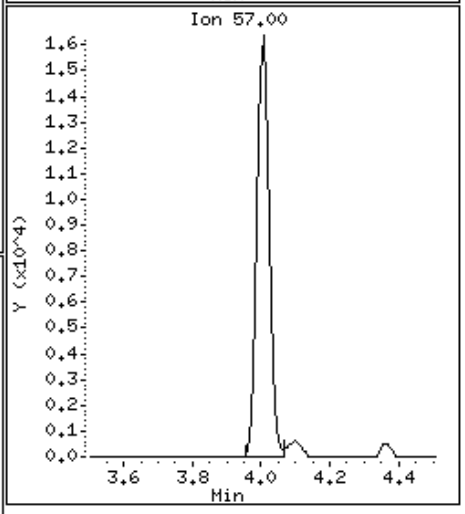
16 methyl tert butyl ether

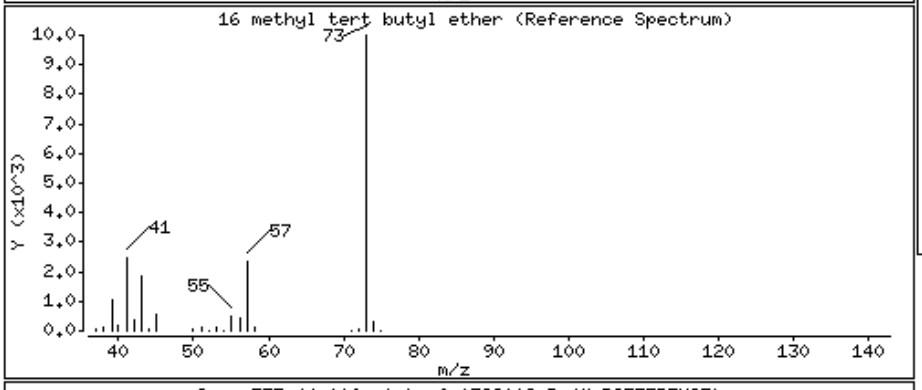
Concentration: 98.926 ngs

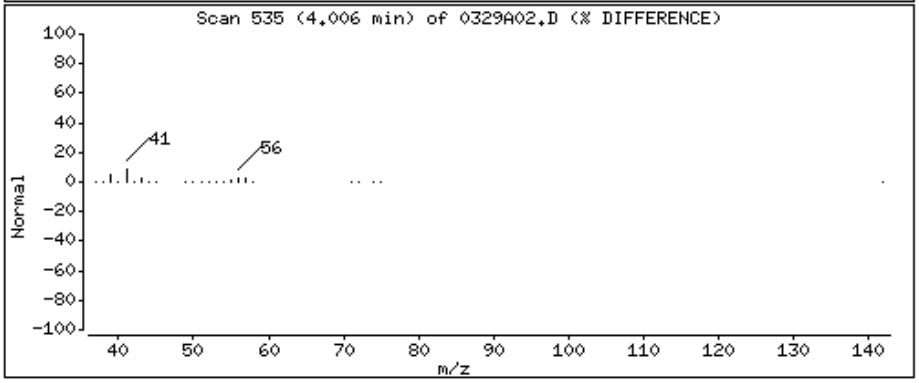












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

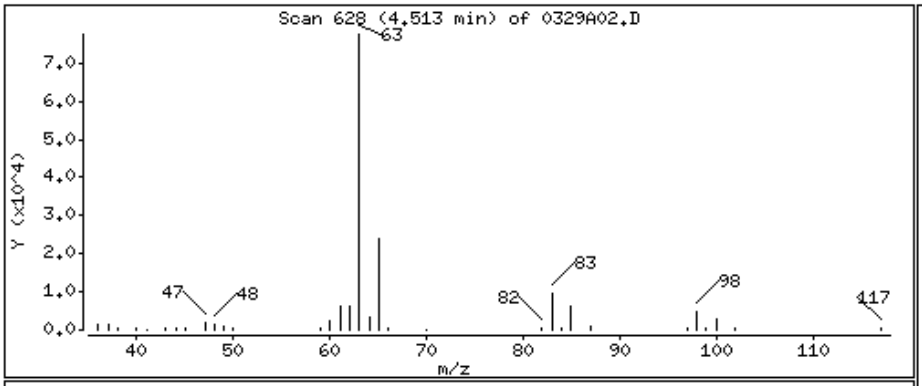
Operator: PD

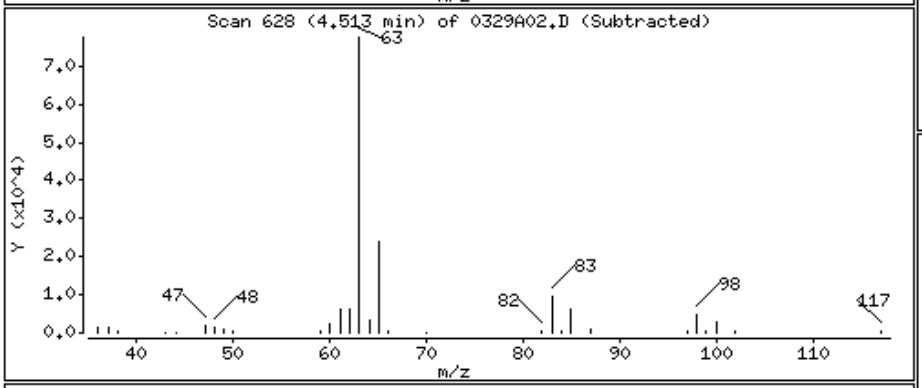
Column phase:

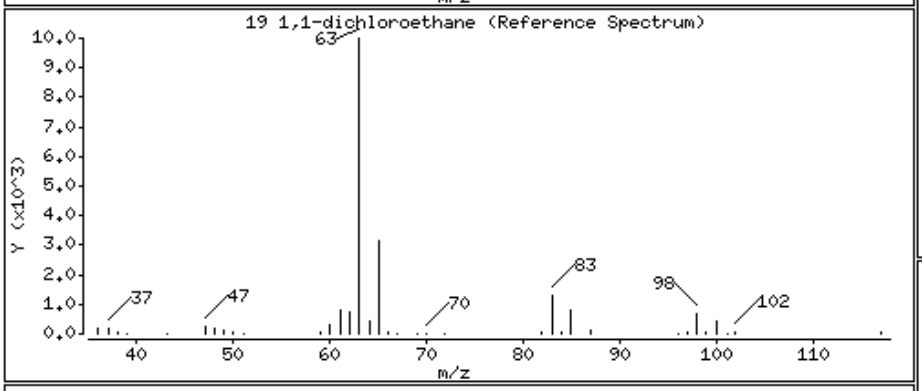
Column diameter: 0.18

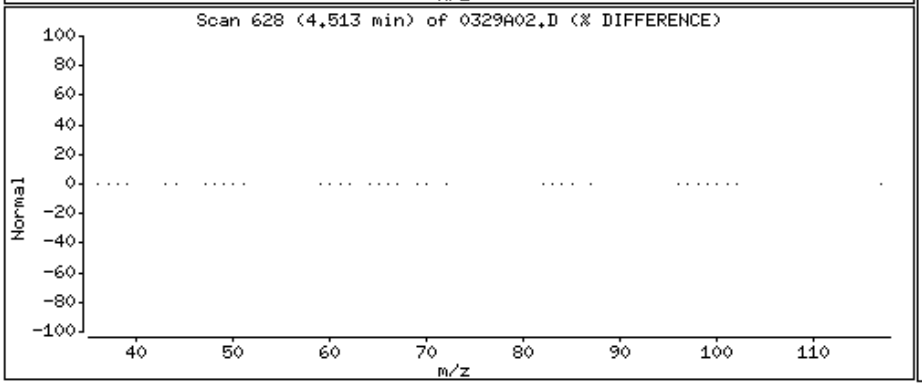
19 1,1-dichloroethane

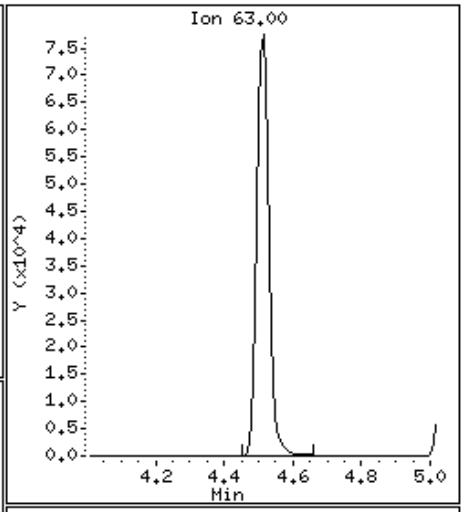
Concentration: 119.890 ngs

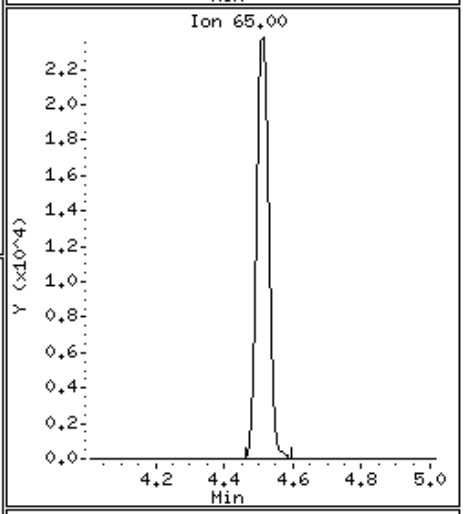


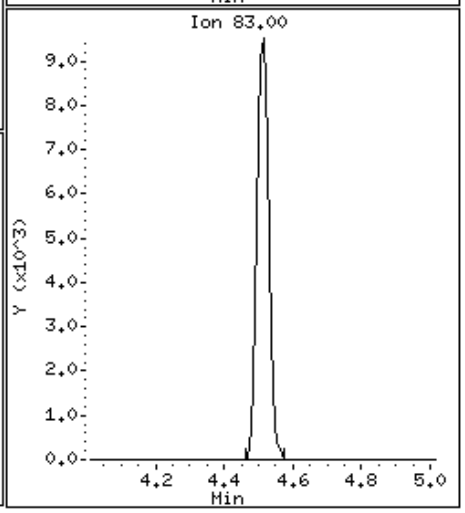












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

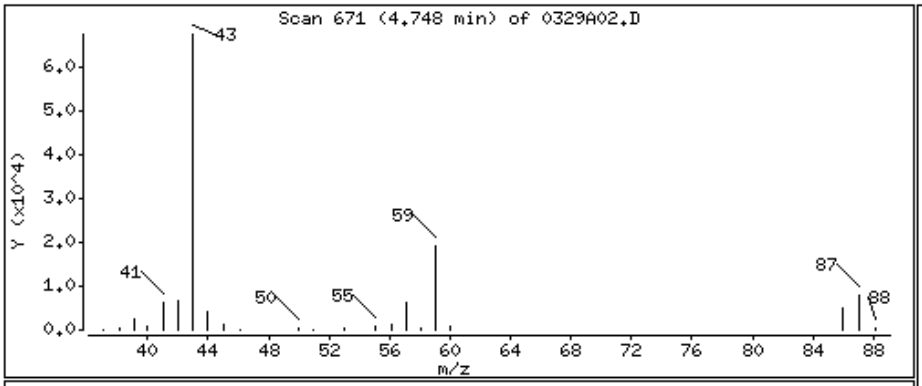
Operator: PD

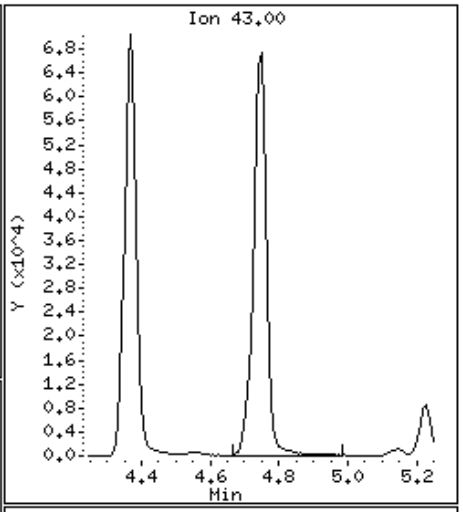
Column phase:

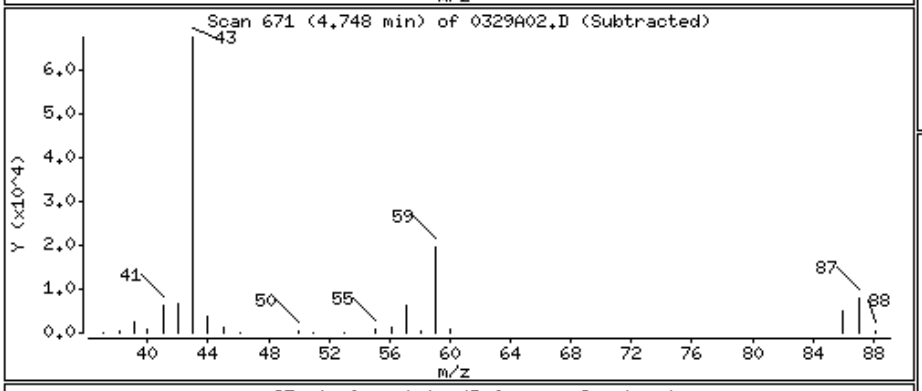
Column diameter: 0.18

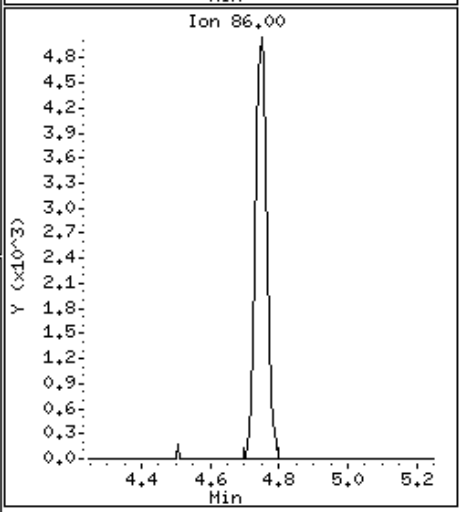
23 vinyl acetate

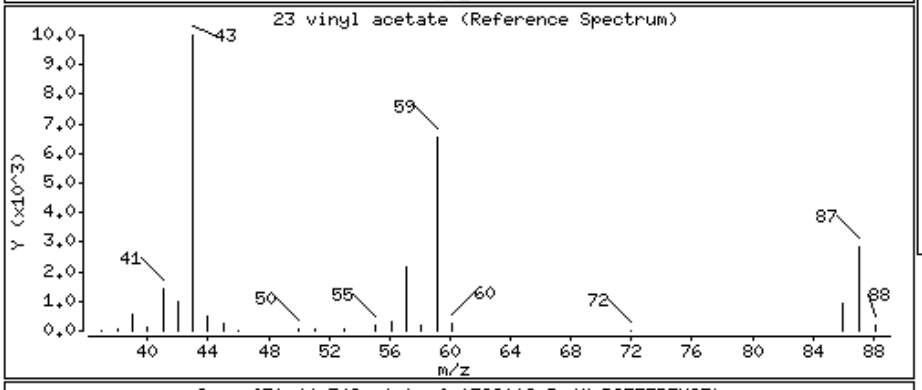
Concentration: 139.268 ngs

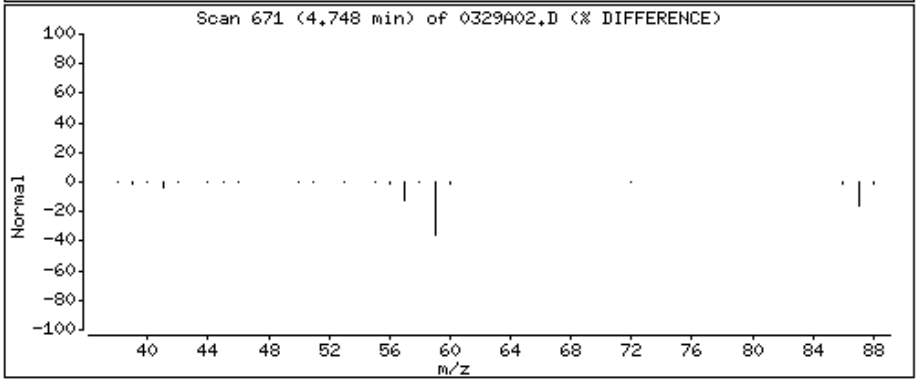












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

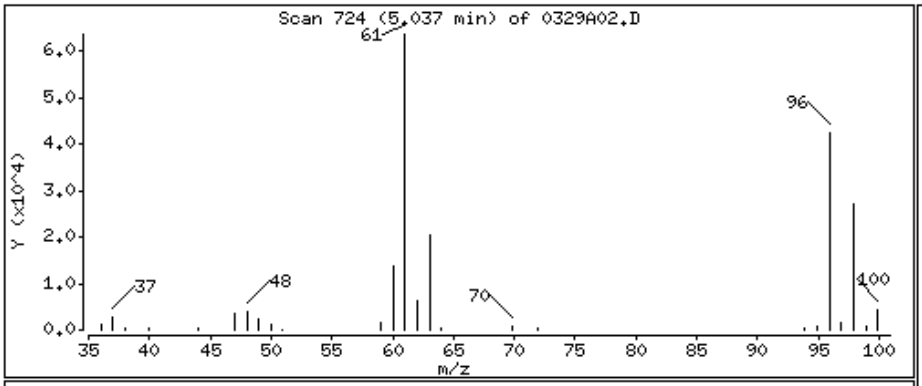
Operator: PD

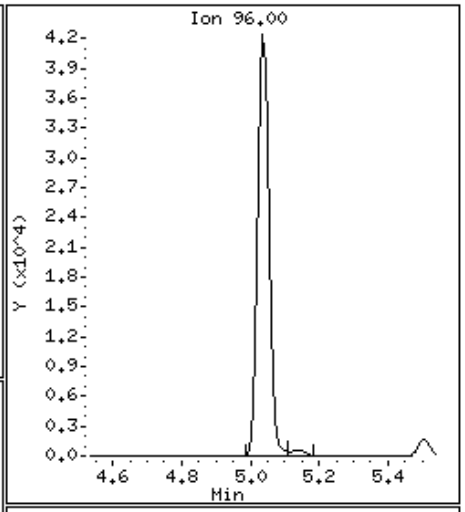
Column phase:

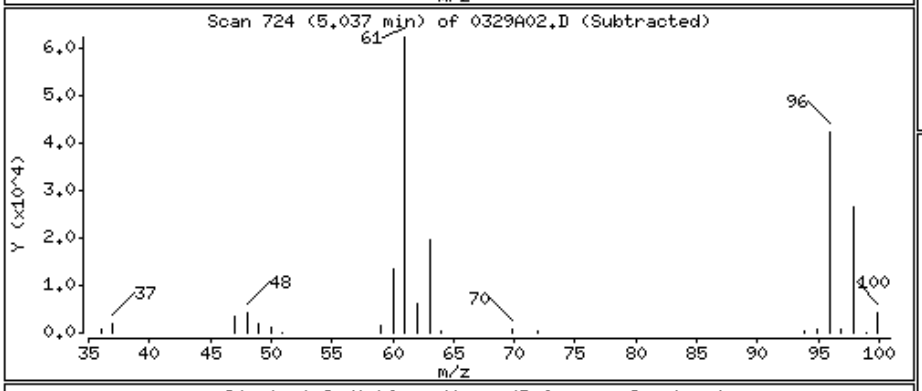
Column diameter: 0.18

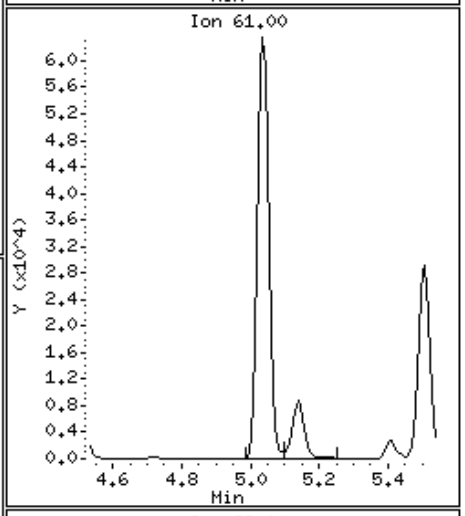
24 cis-1,2-dichloroethene

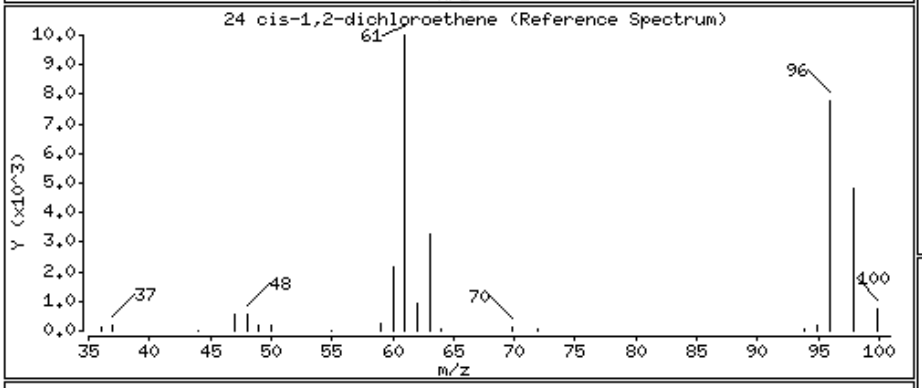
Concentration: 107.427 ngs

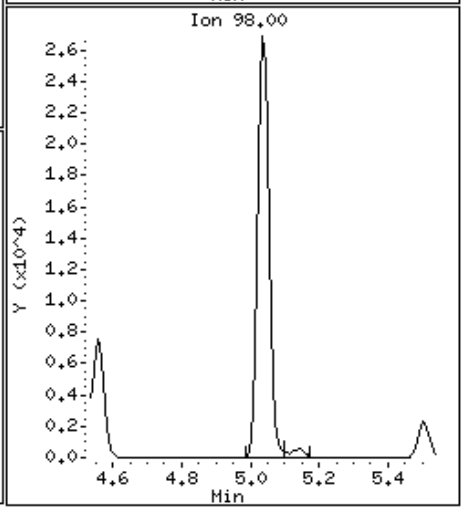


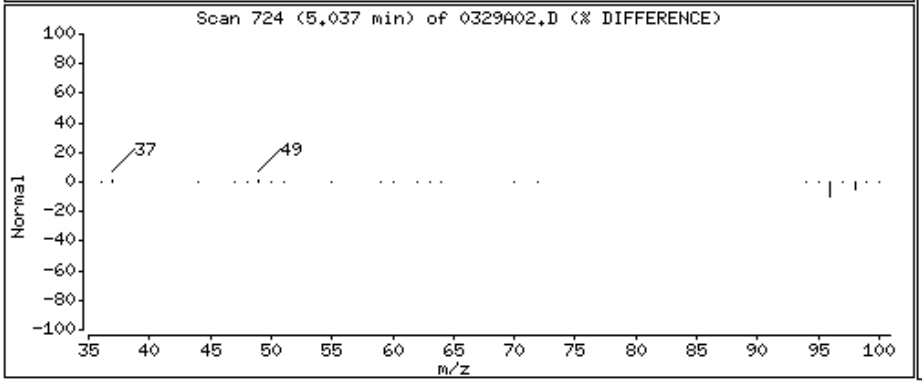












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

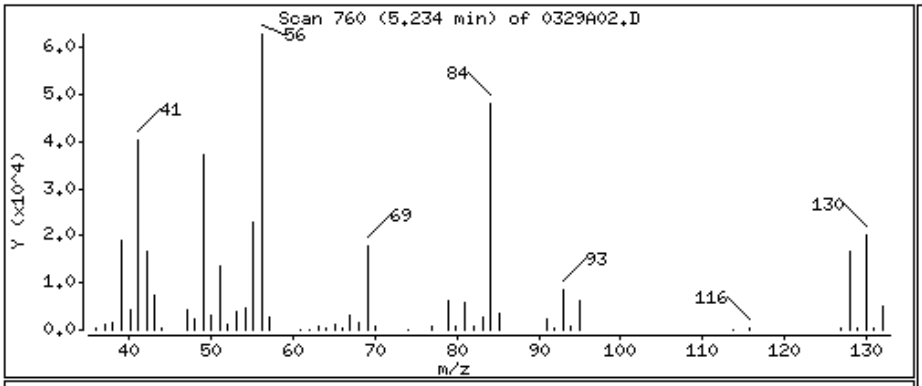
Operator: PD

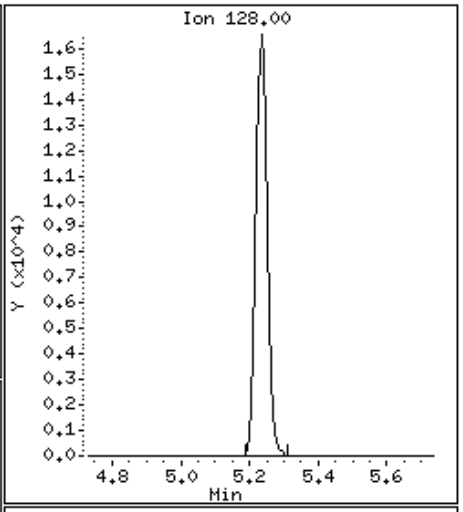
Column phase:

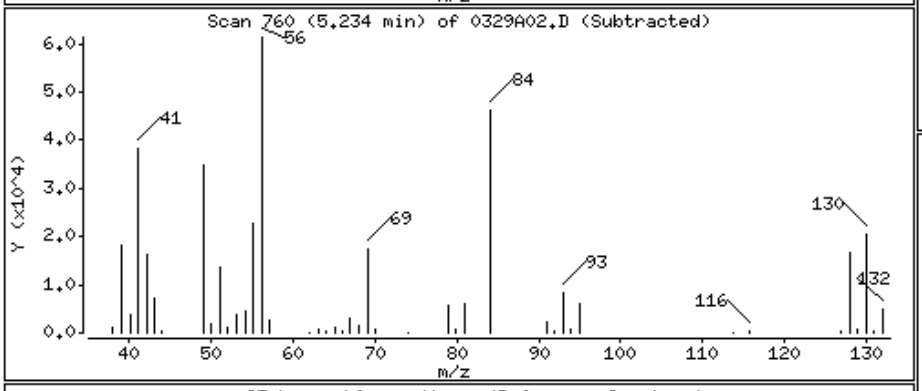
Column diameter: 0.18

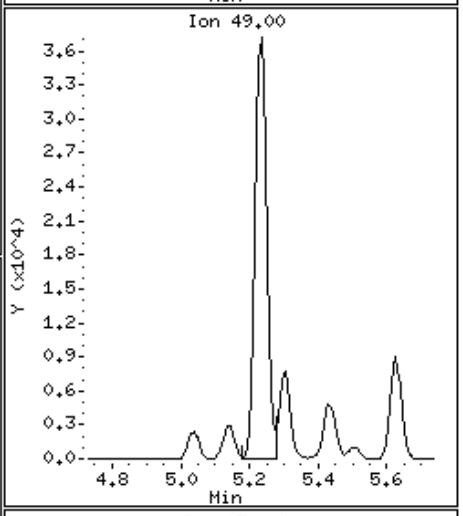
27 bromochloromethane

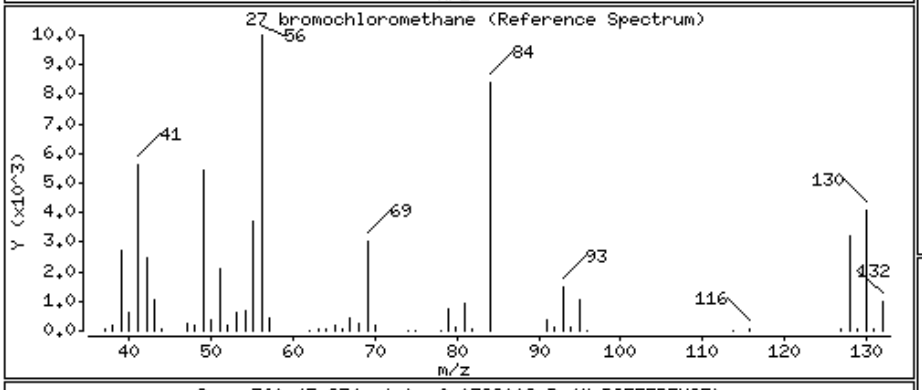
Concentration: 96.954 ngs

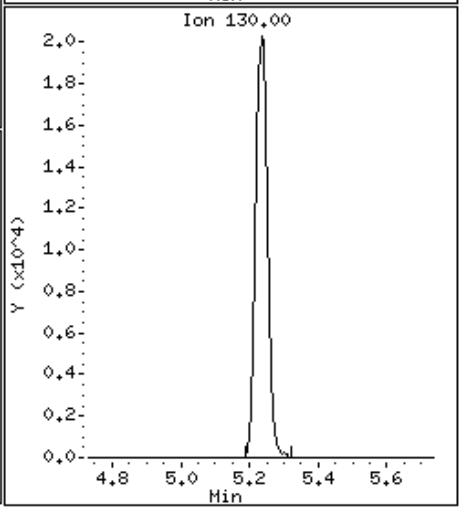


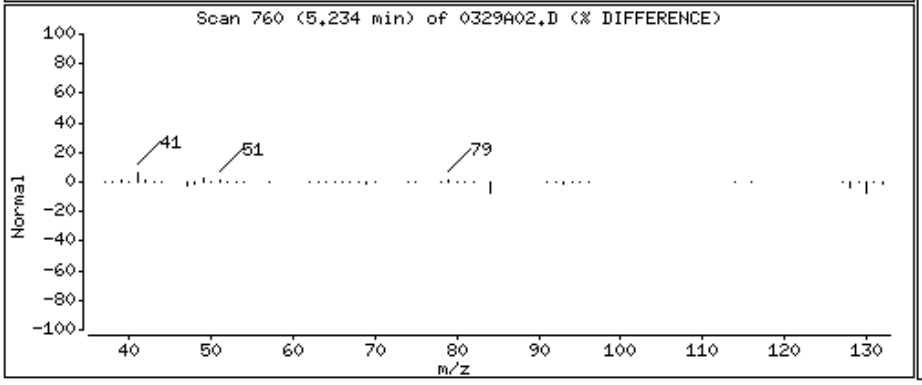












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

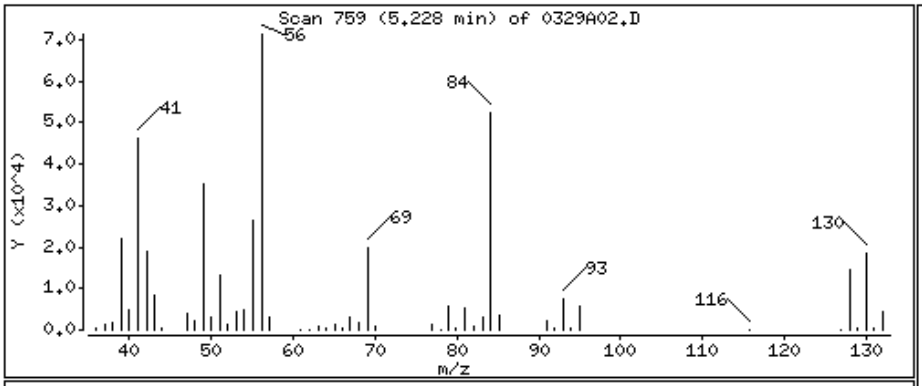
Operator: PD

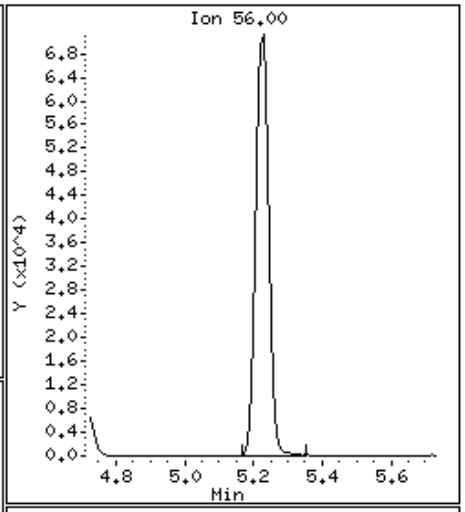
Column phase:

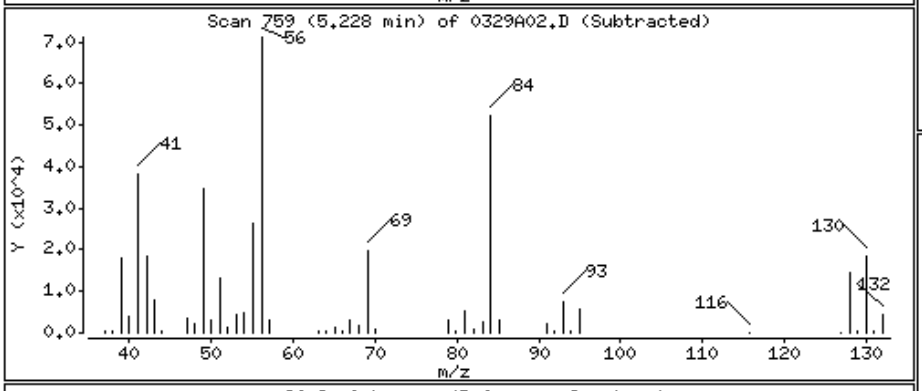
Column diameter: 0.18

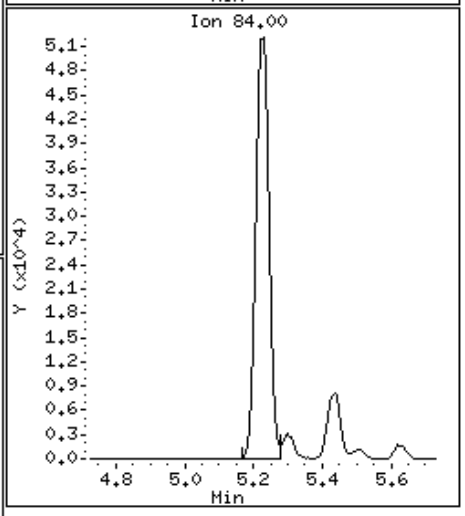
26 Cyclohexane

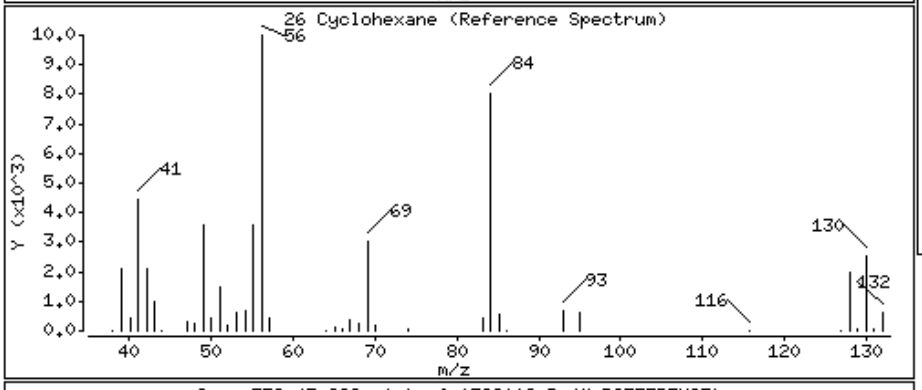
Concentration: 114.519 ngs

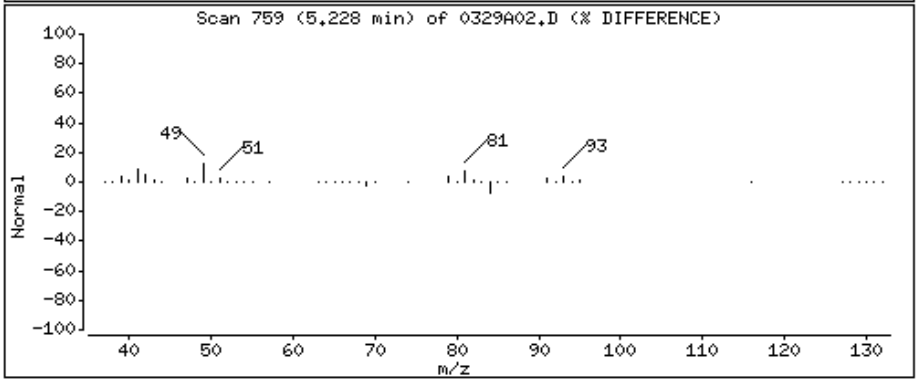












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

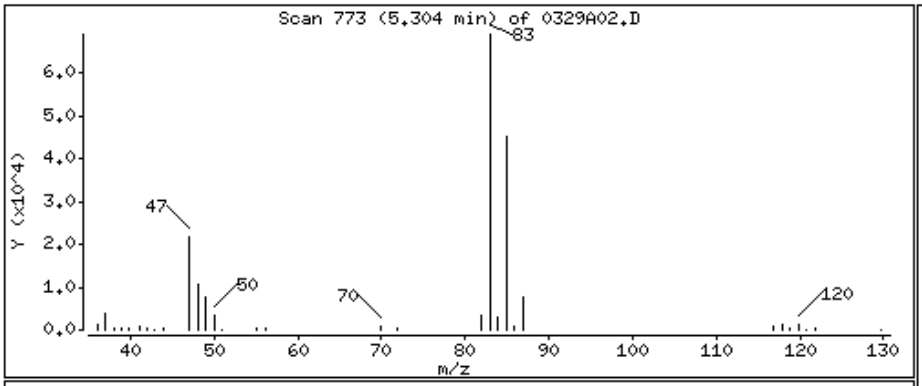
Operator: PD

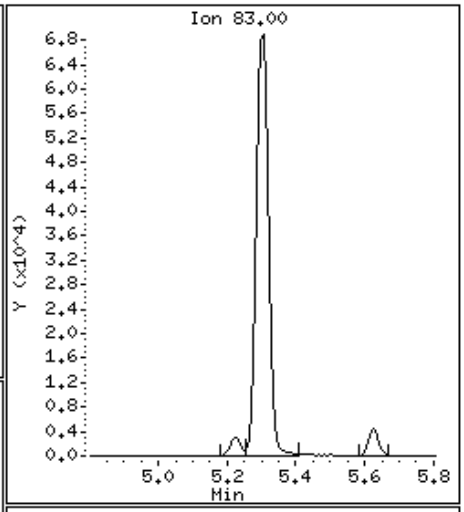
Column phase:

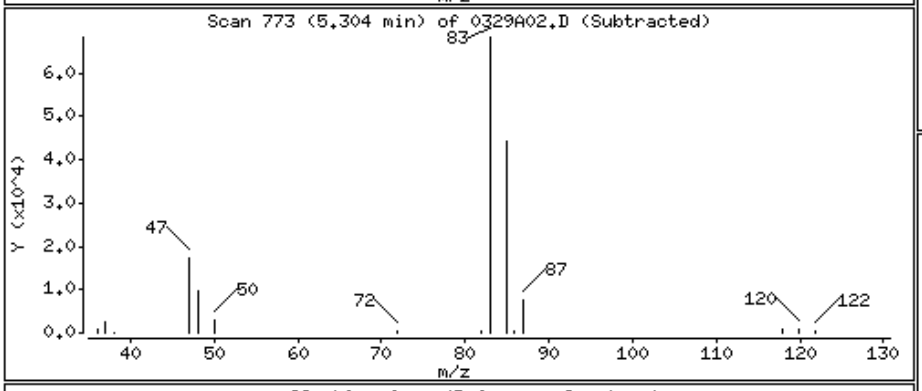
Column diameter: 0.18

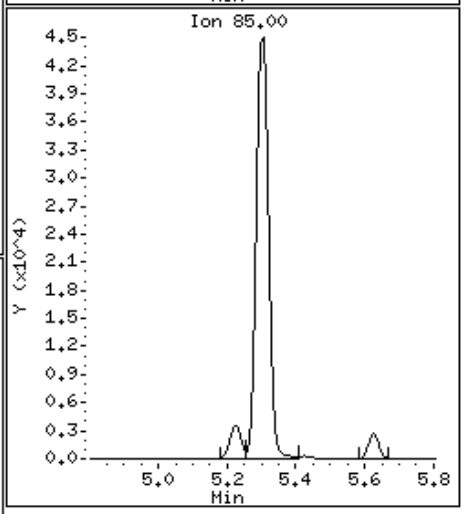
28 chloroform

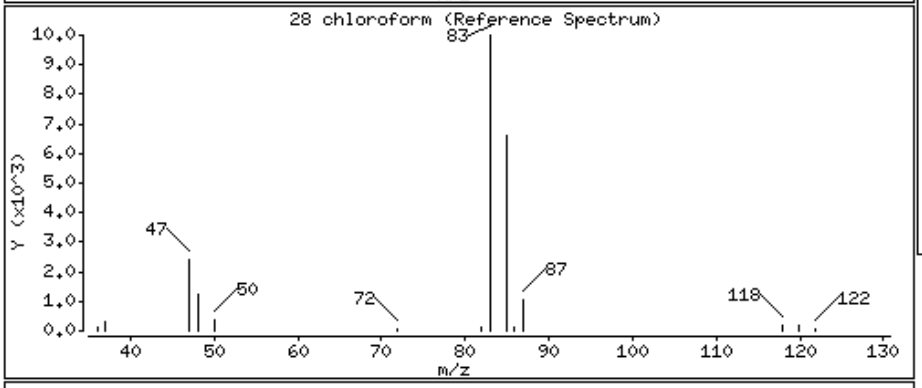
Concentration: 115.210 ngs

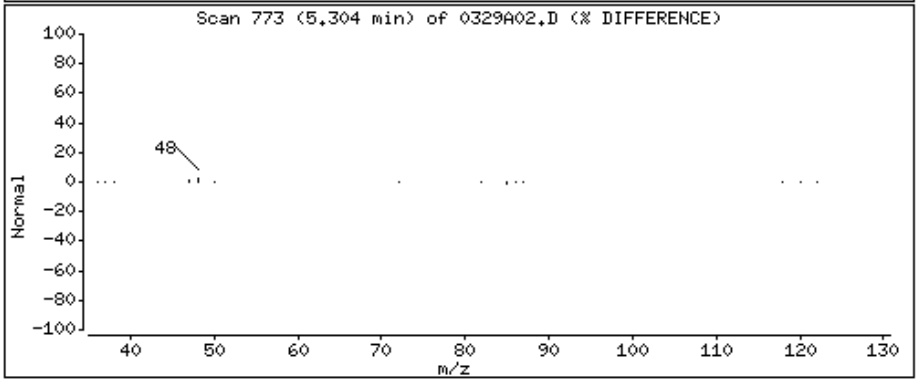












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

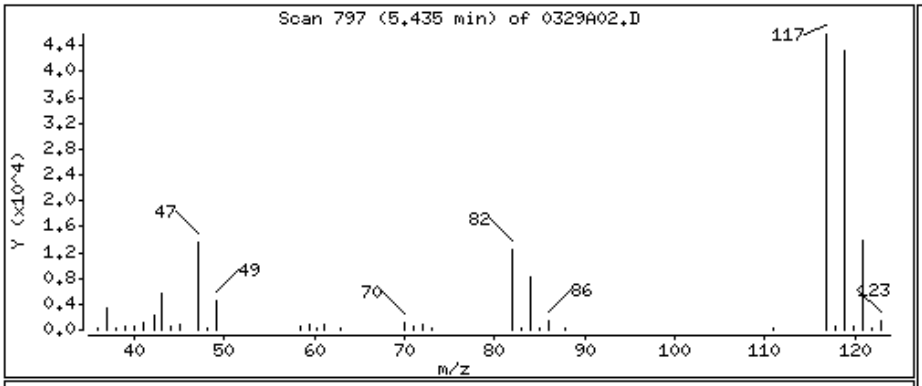
Operator: PD

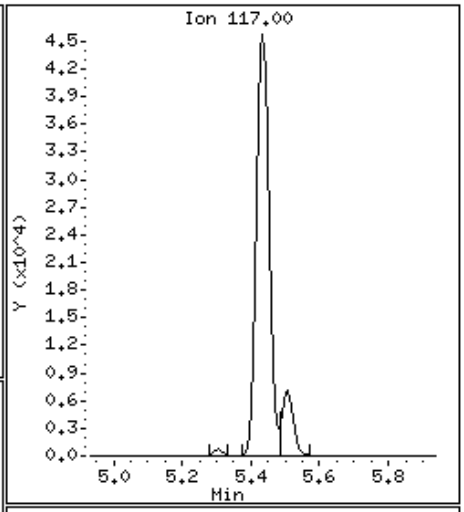
Column phase:

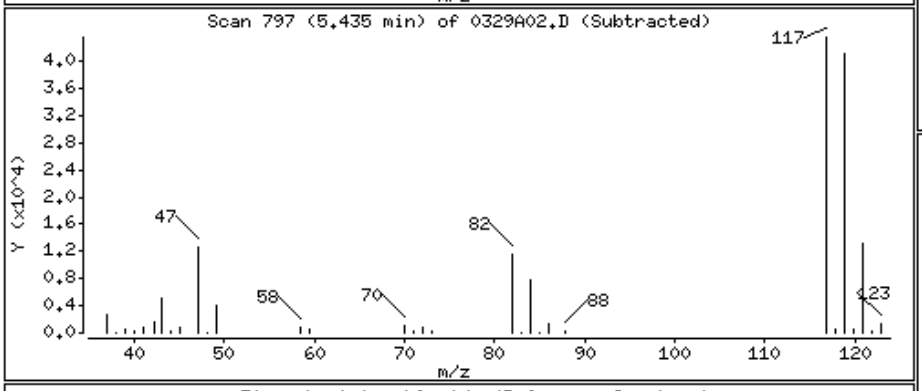
Column diameter: 0.18

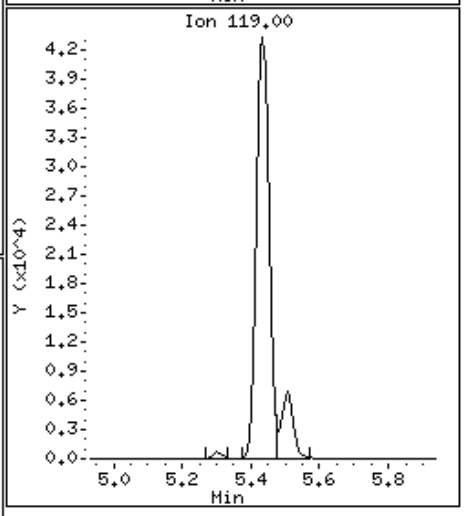
30 carbontetrachloride

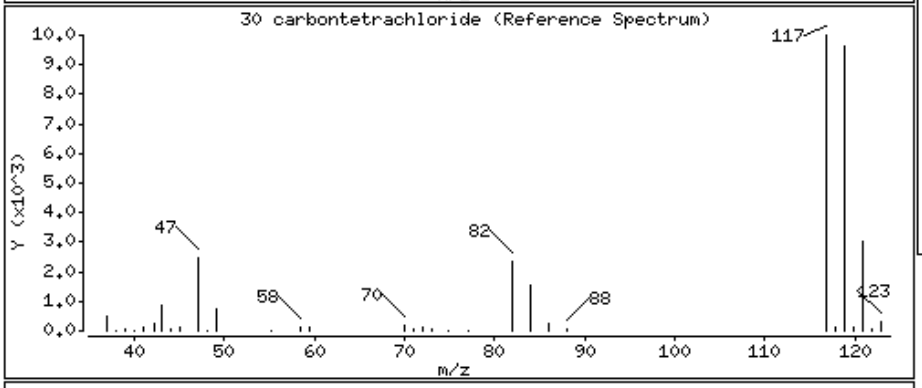
Concentration: 95.322 ngs

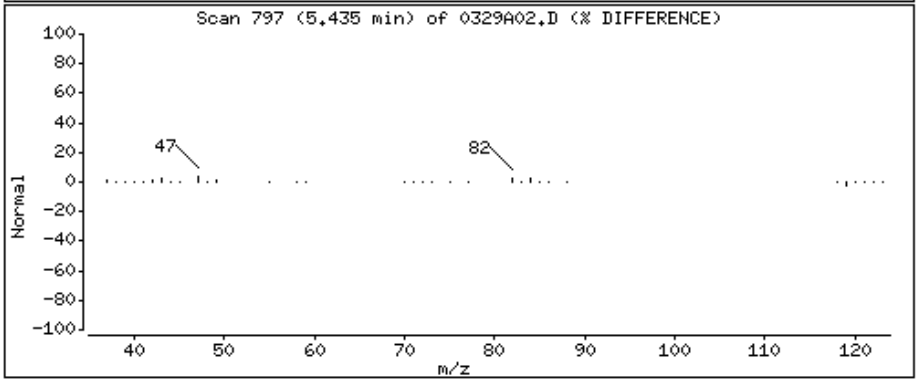












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

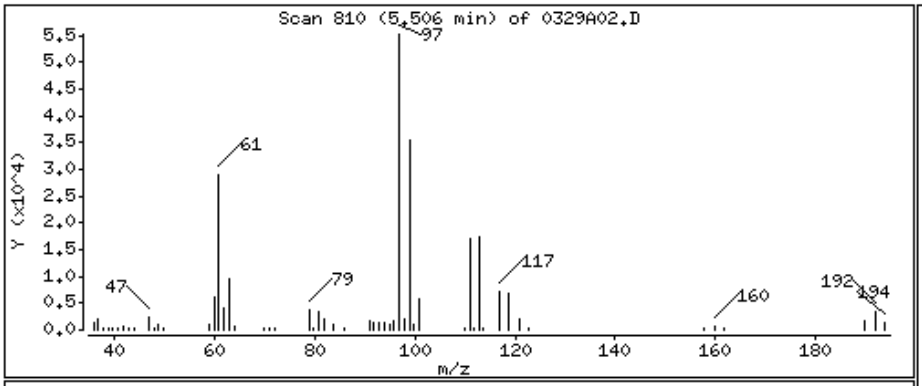
Operator: PD

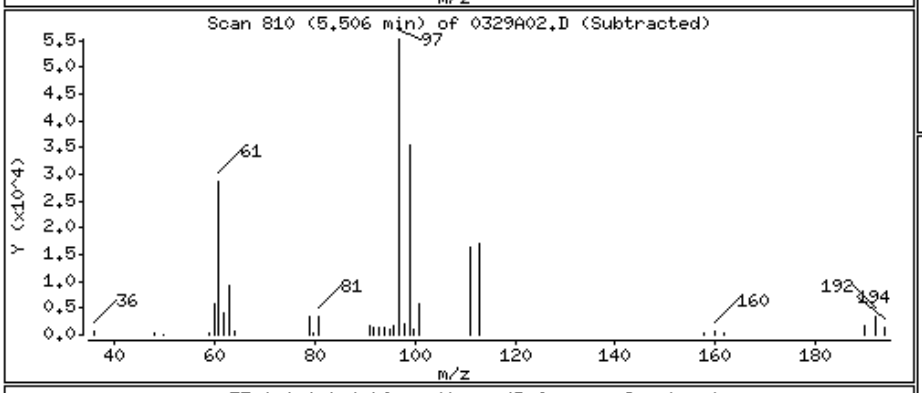
Column phase:

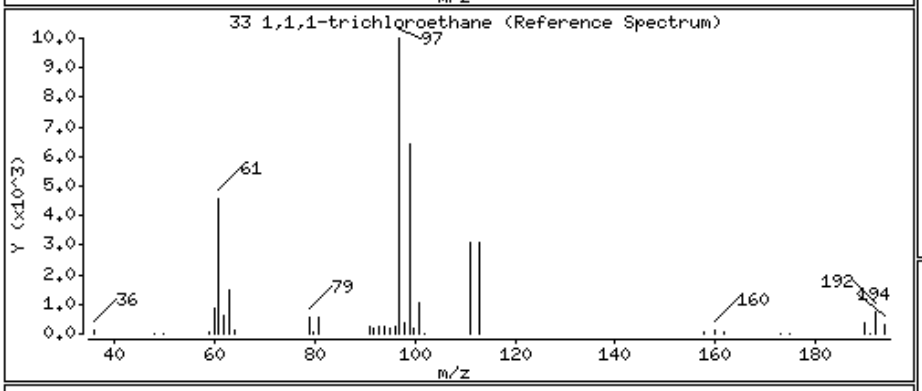
Column diameter: 0.18

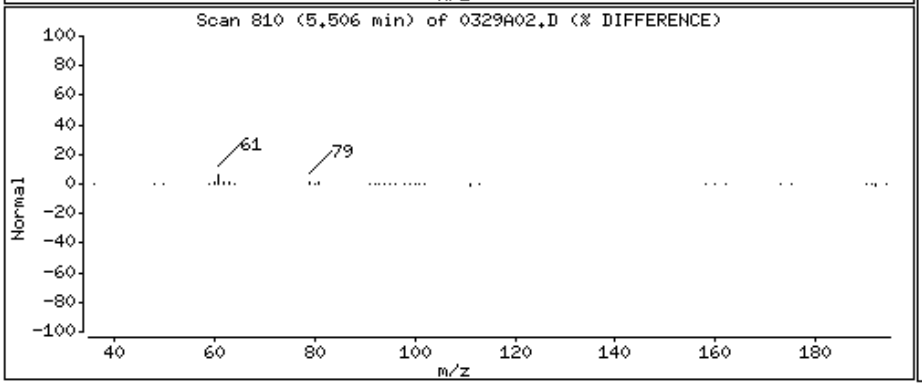
33 1,1,1-trichloroethane

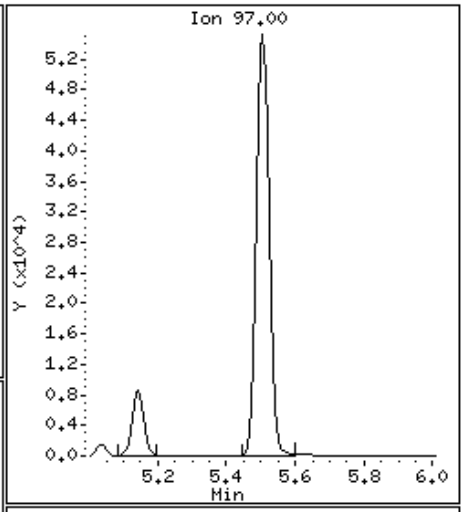
Concentration: 104.282 ngs

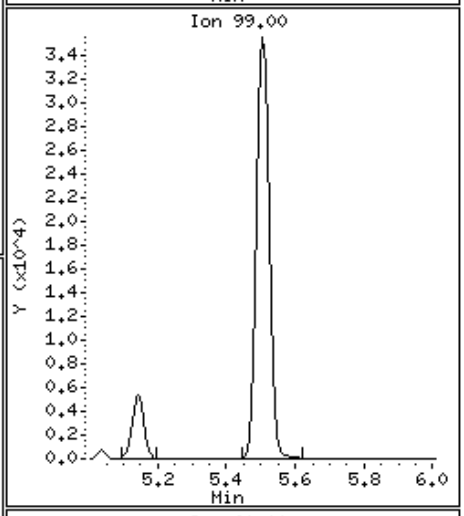


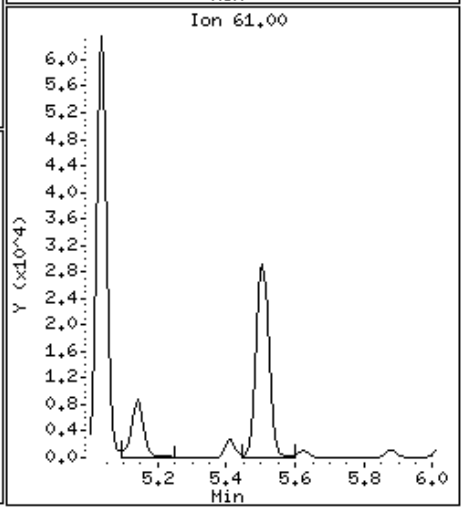












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

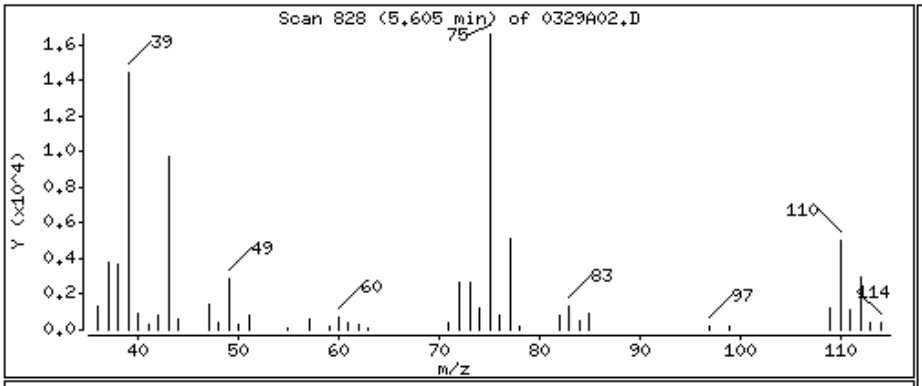
Operator: PD

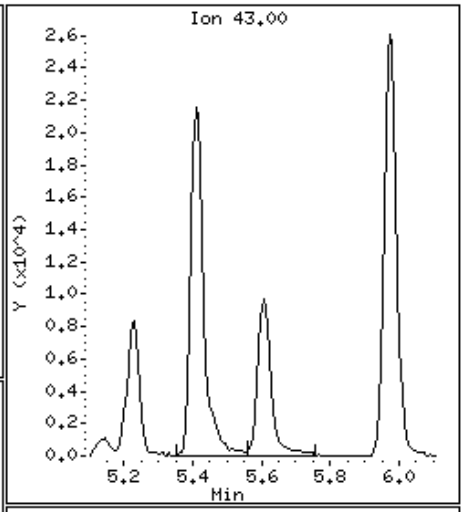
Column phase:

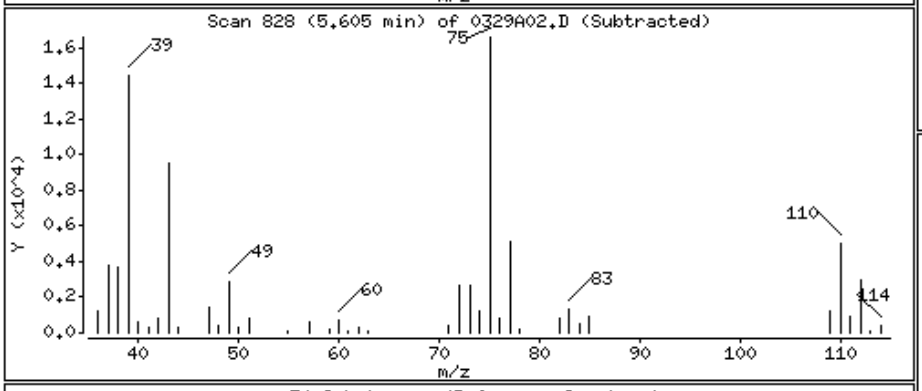
Column diameter: 0.18

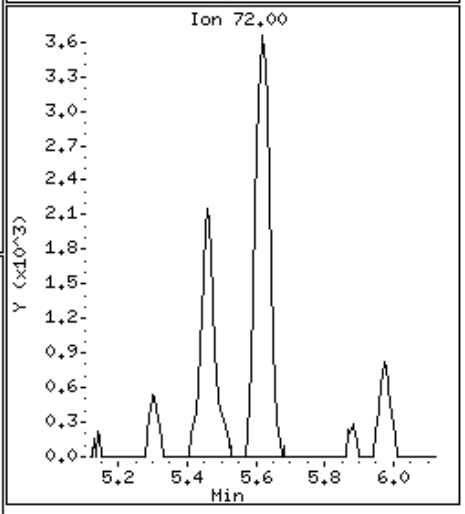
34 2-butanone

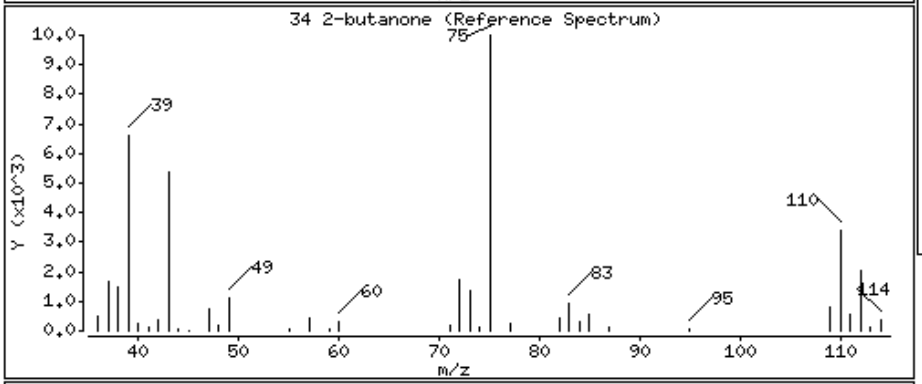
Concentration: 118.107 ngs

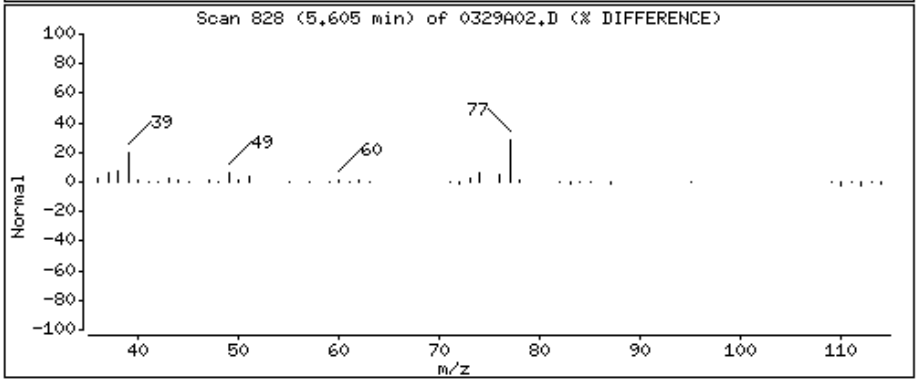












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

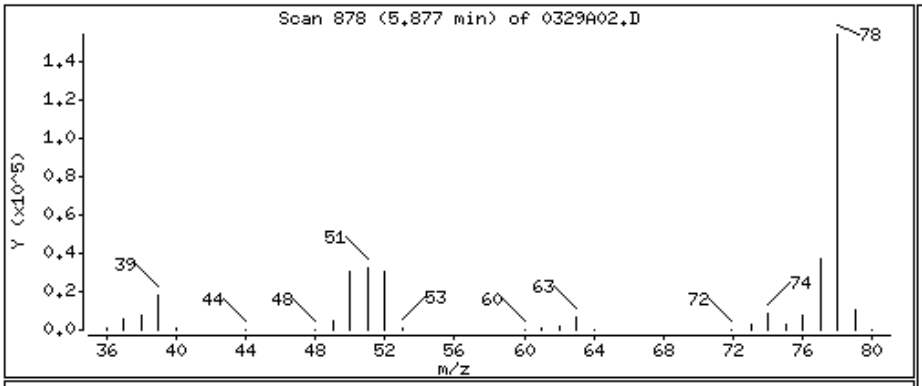
Operator: PD

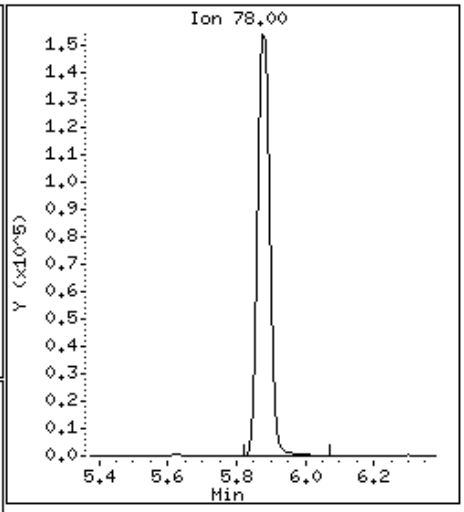
Column phase:

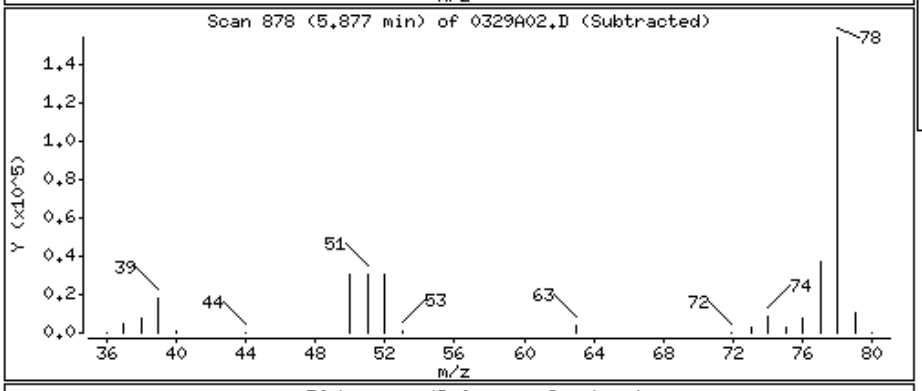
Column diameter: 0.18

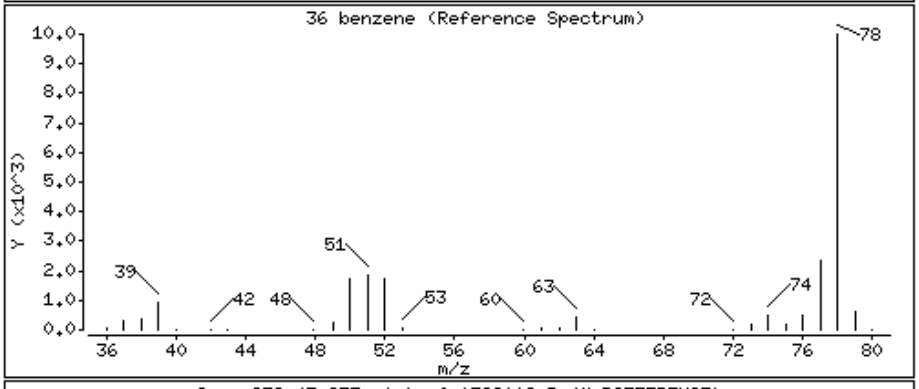
36 benzene

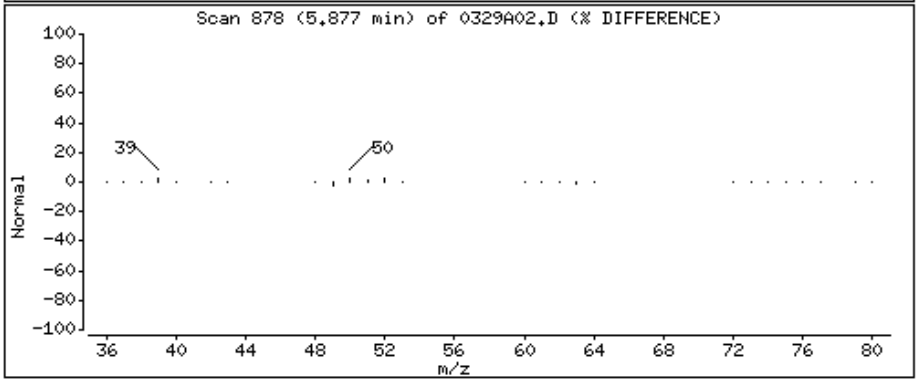
Concentration: 111.561 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

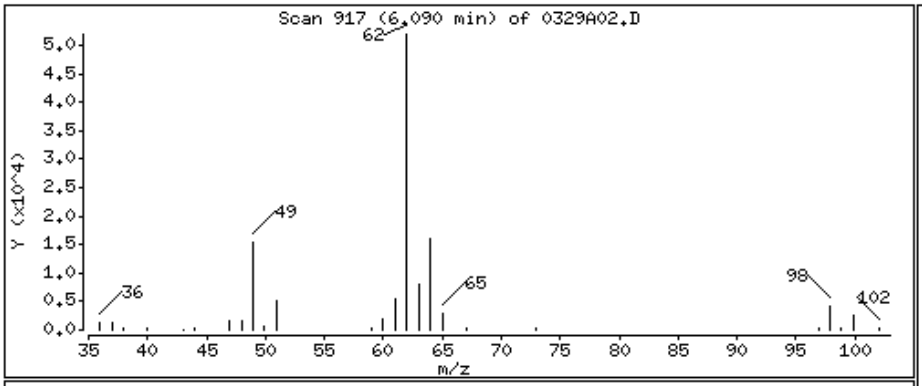
Operator: PD

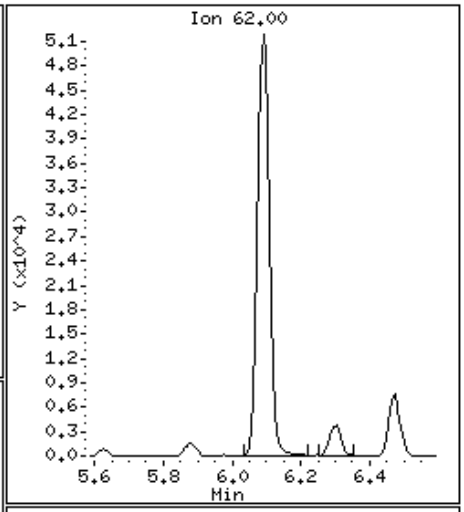
Column phase:

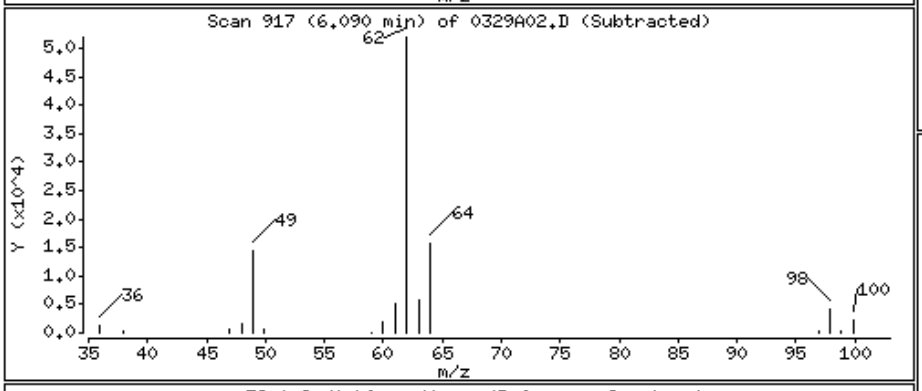
Column diameter: 0.18

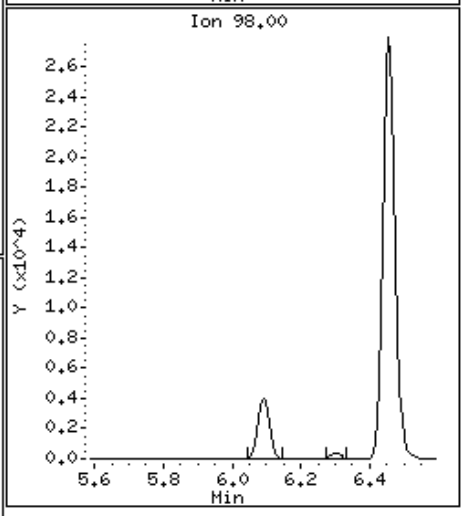
39 1,2-dichloroethane

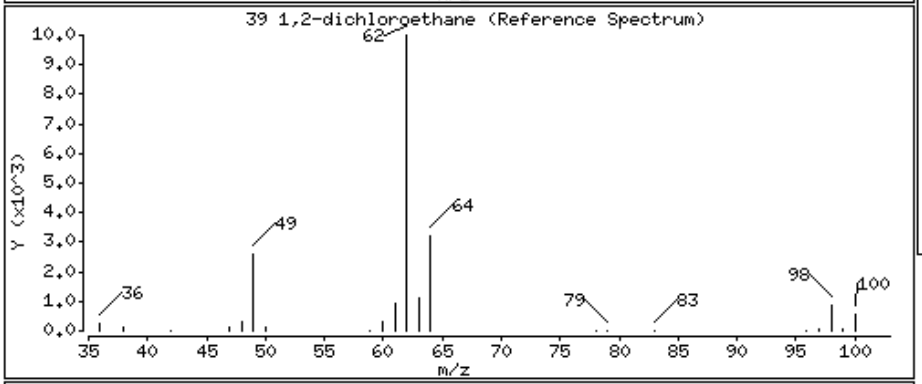
Concentration: 122.293 ngs

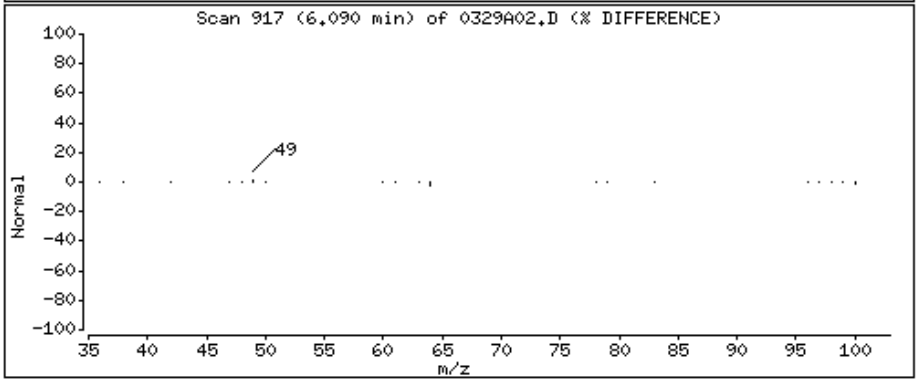












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

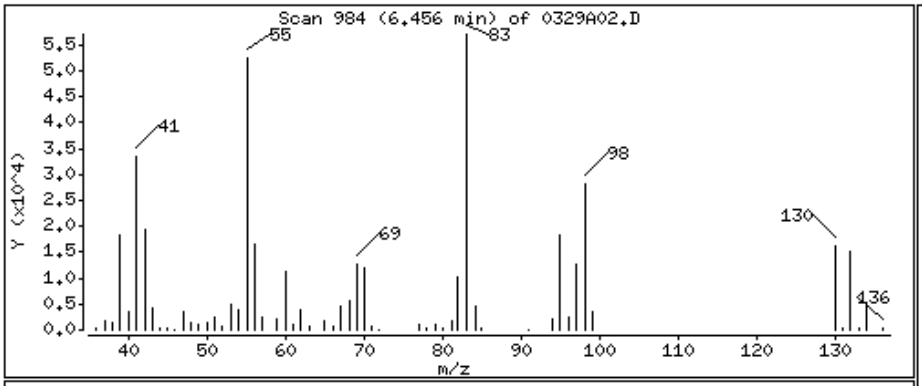
Operator: PD

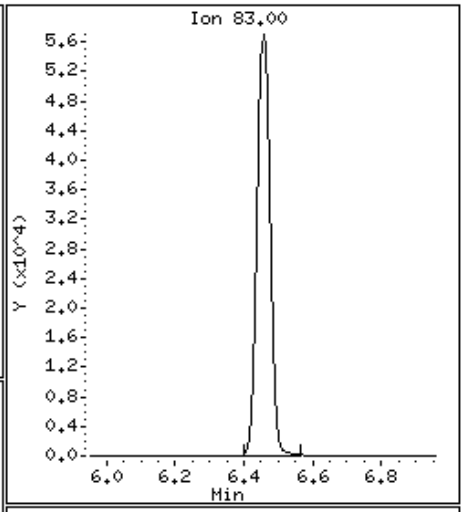
Column phase:

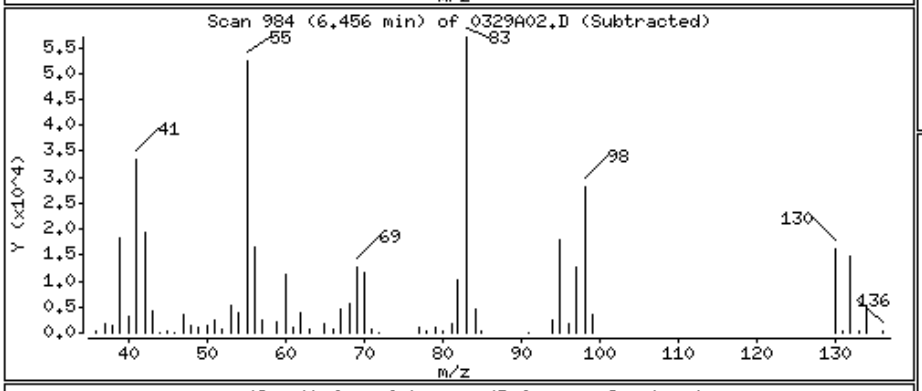
Column diameter: 0.18

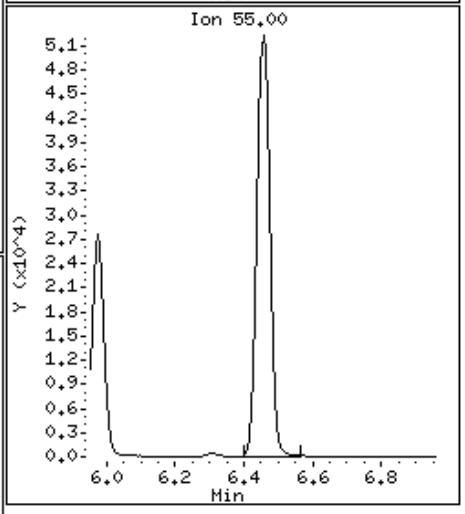
42 methyl cyclohexane

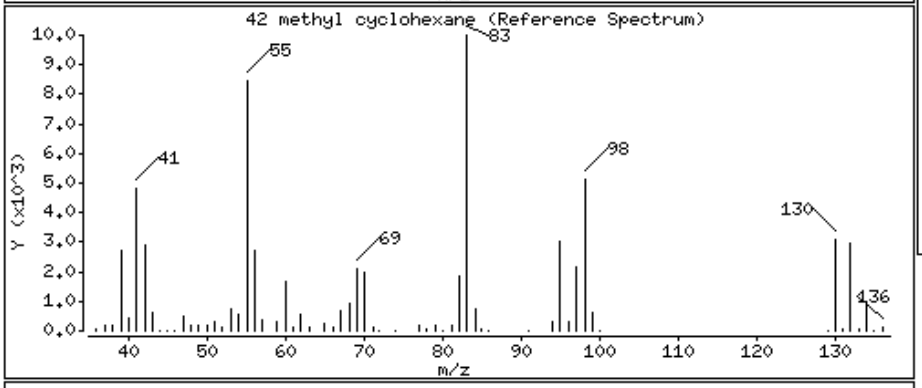
Concentration: 103.671 ngs

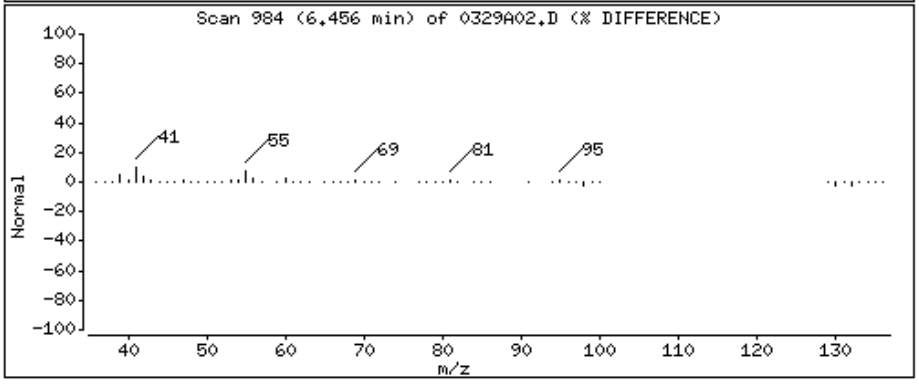












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

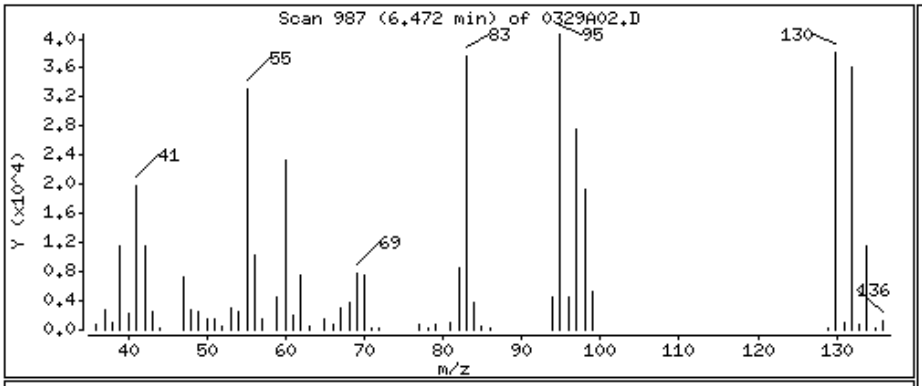
Operator: PD

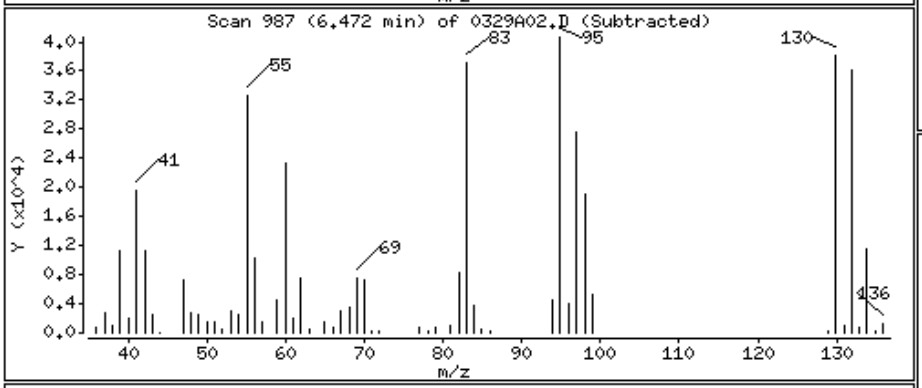
Column phase:

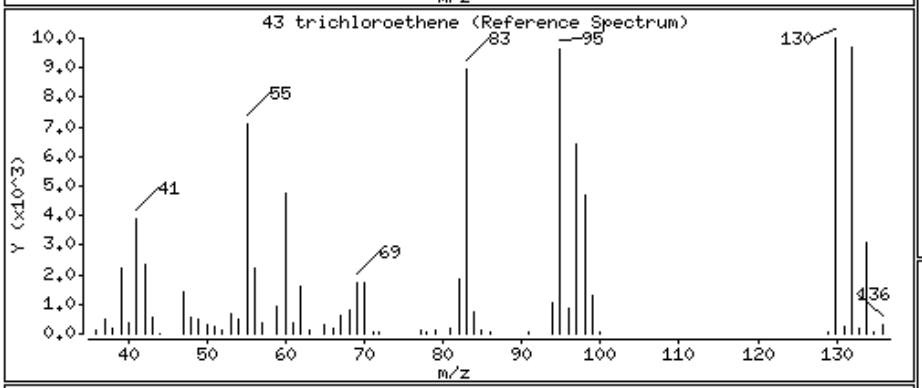
Column diameter: 0.18

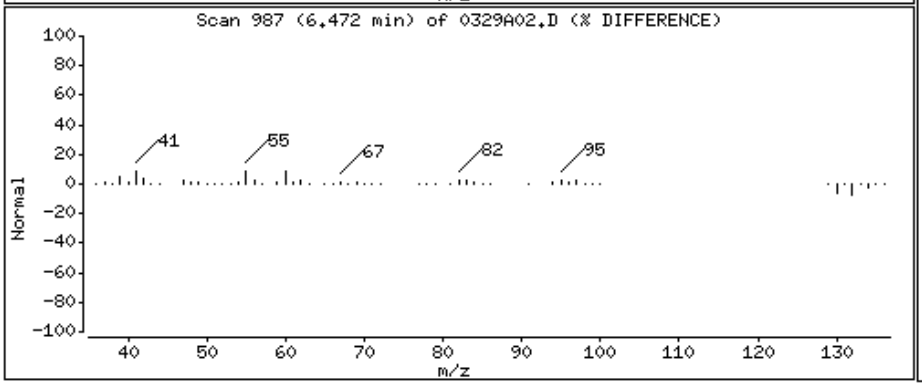
43 trichloroethene

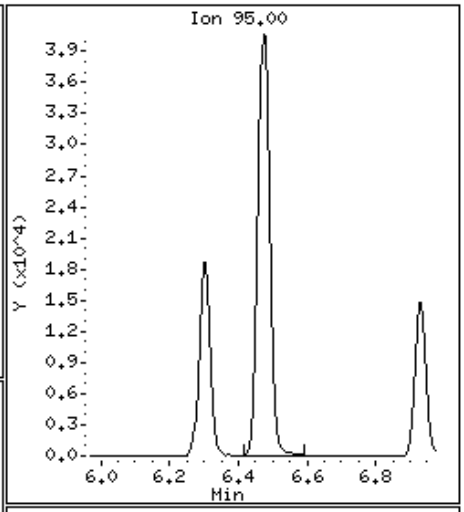
Concentration: 108.994 ngs

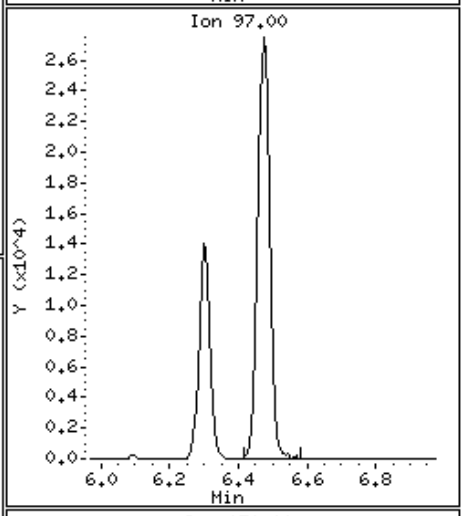


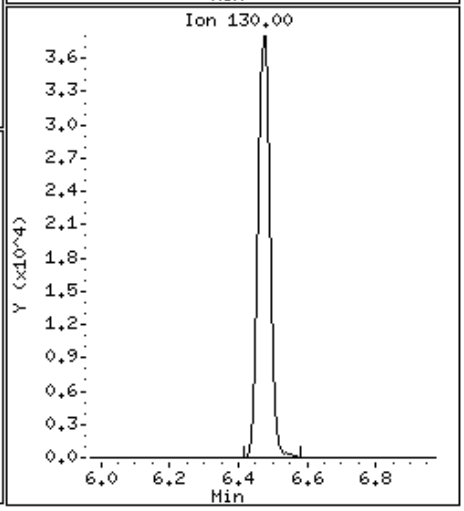












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

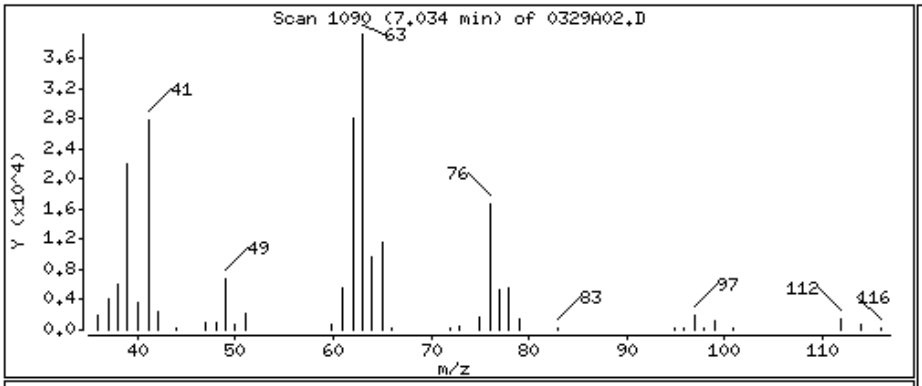
Operator: PD

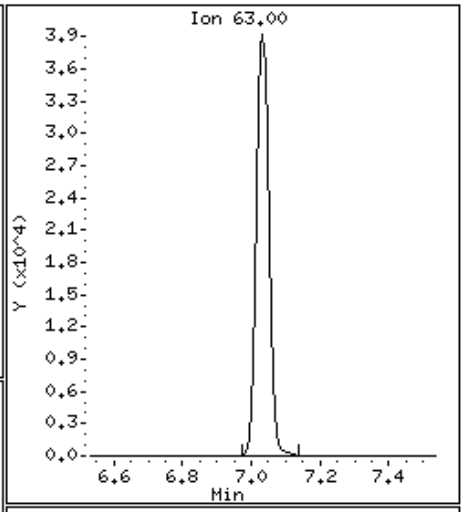
Column phase:

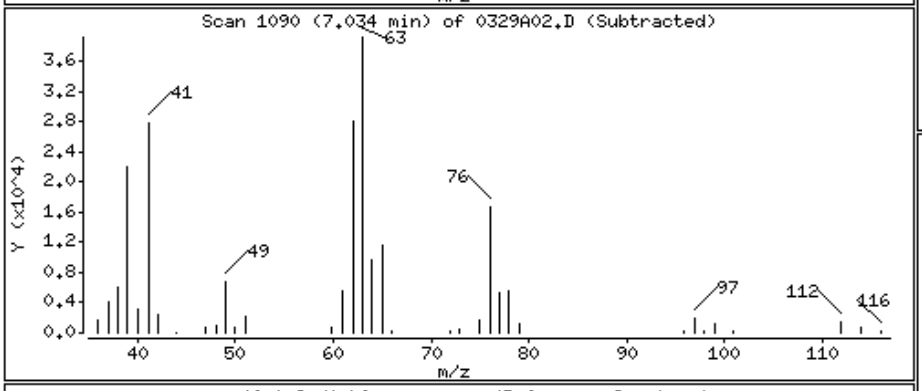
Column diameter: 0.18

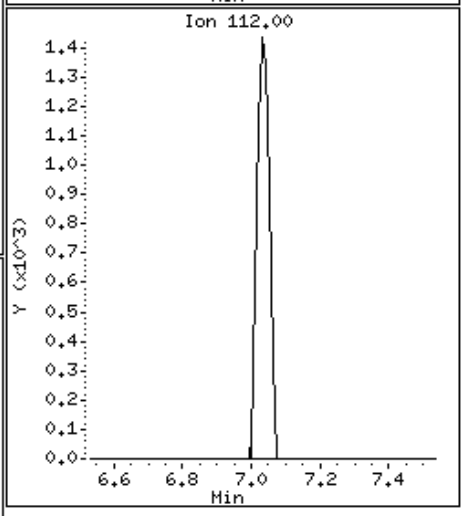
46 1,2-dichloropropane

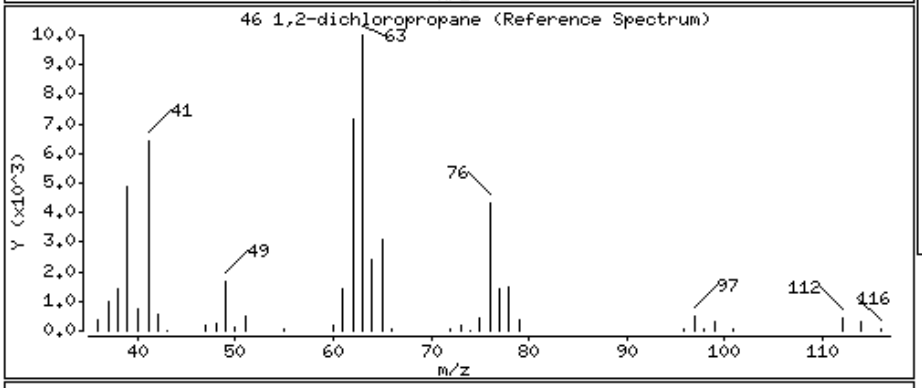
Concentration: 118.308 ngs

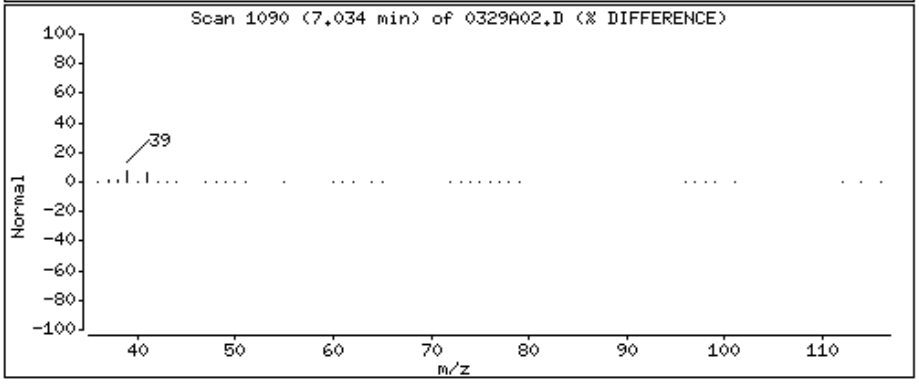












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

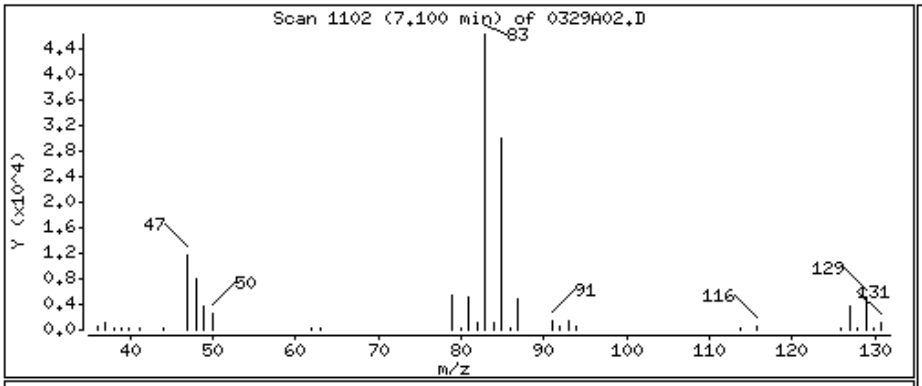
Operator: PD

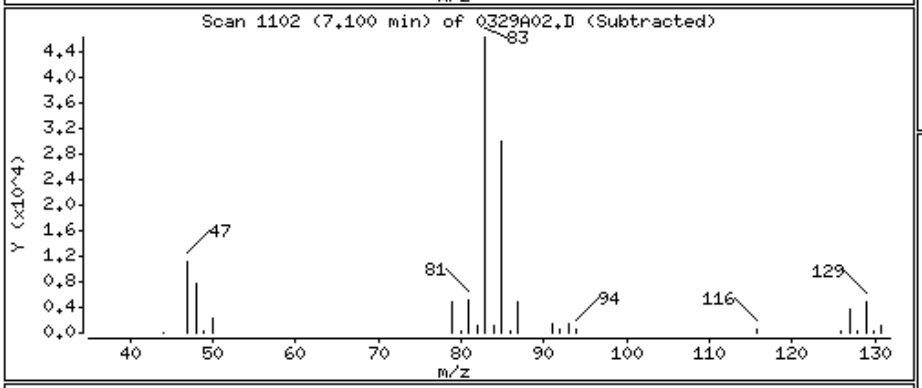
Column phase:

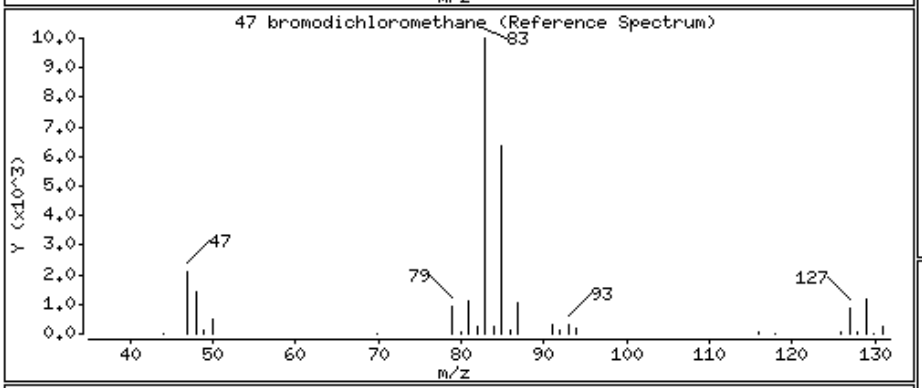
Column diameter: 0.18

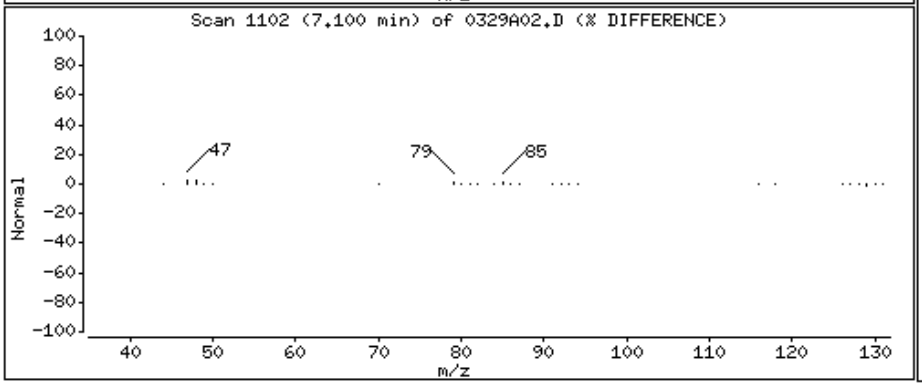
47 bromodichloromethane

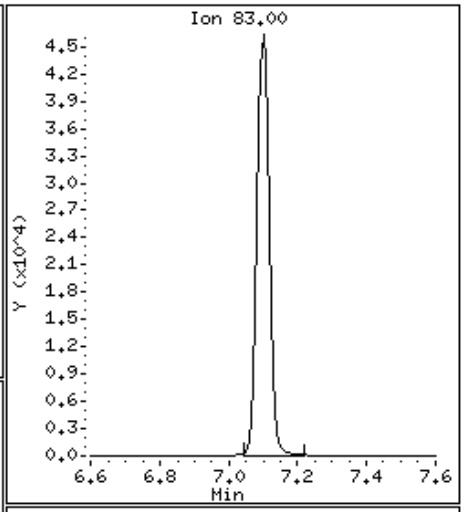
Concentration: 108.879 ngs

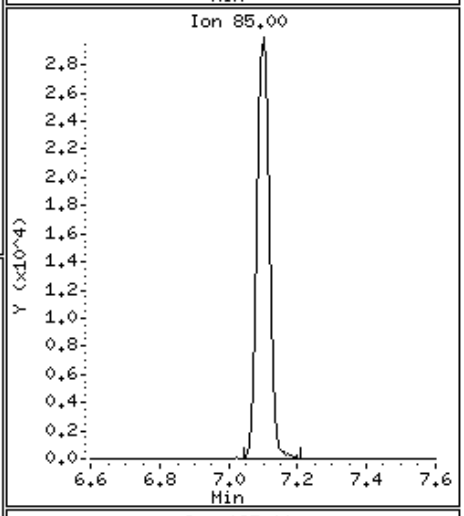


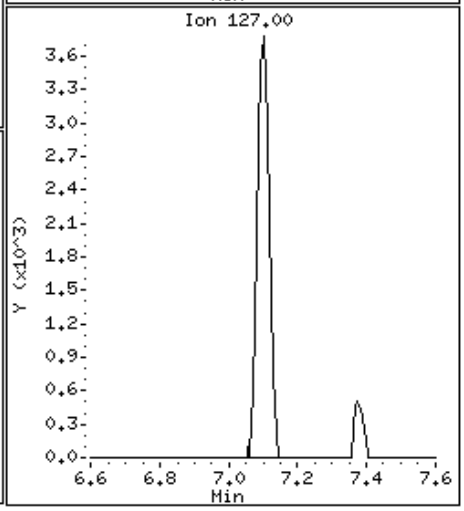












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

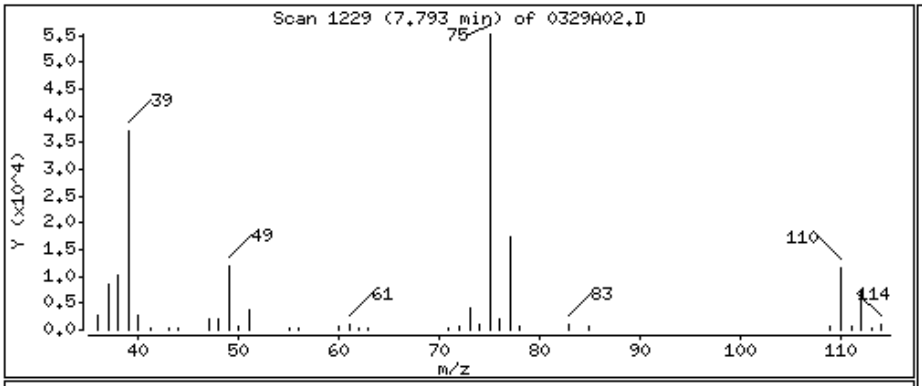
Operator: PD

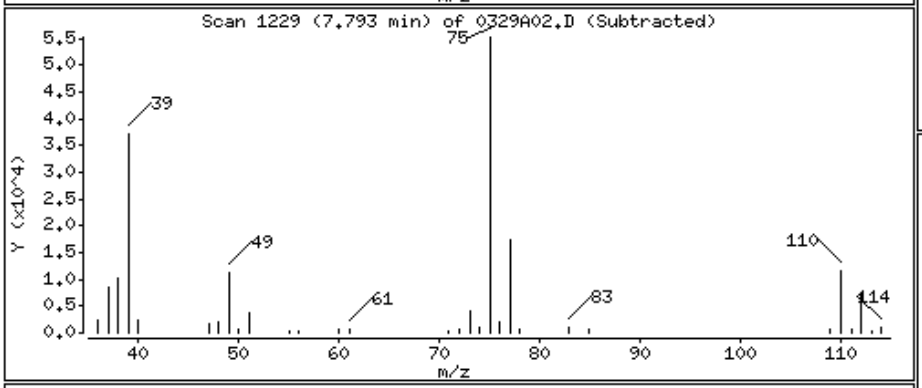
Column phase:

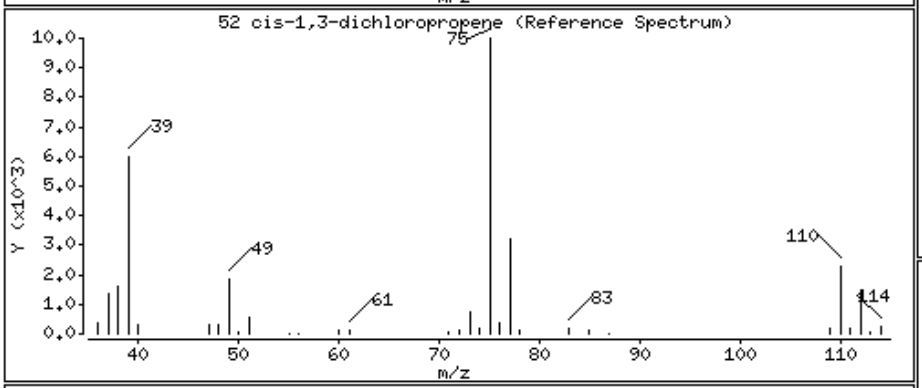
Column diameter: 0.18

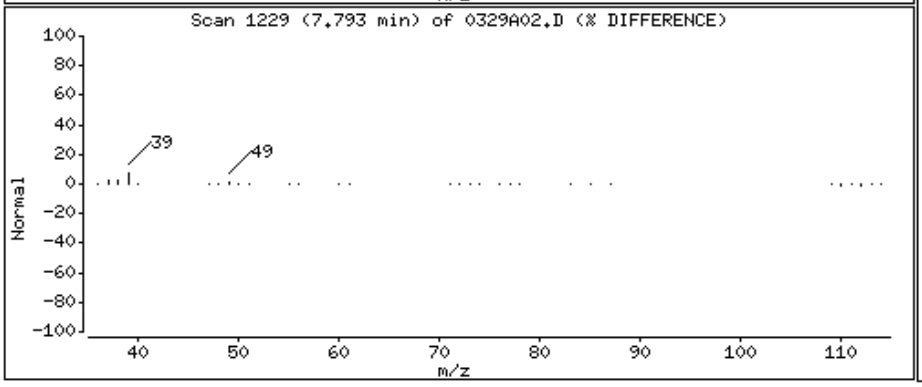
52 cis-1,3-dichloropropene

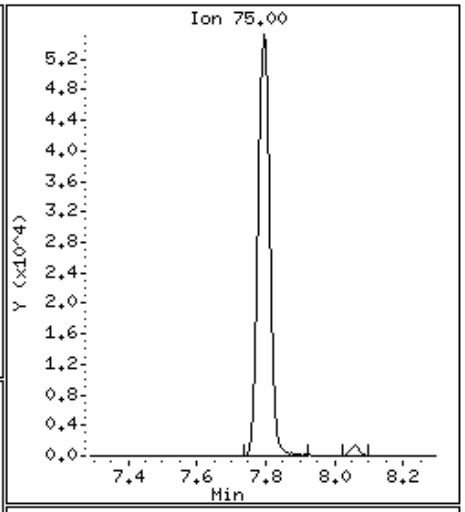
Concentration: 103.118 ngs

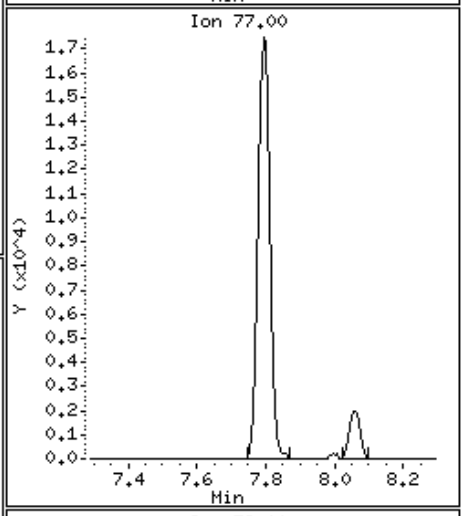


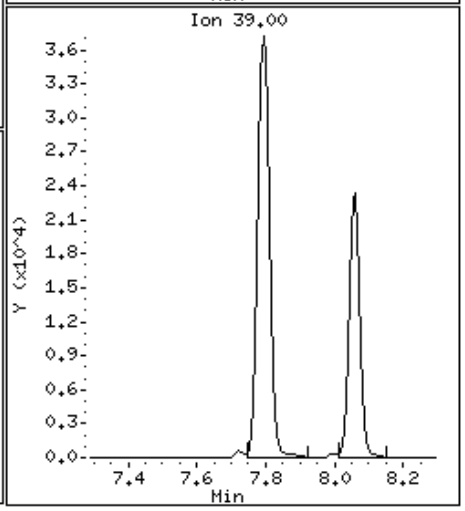












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

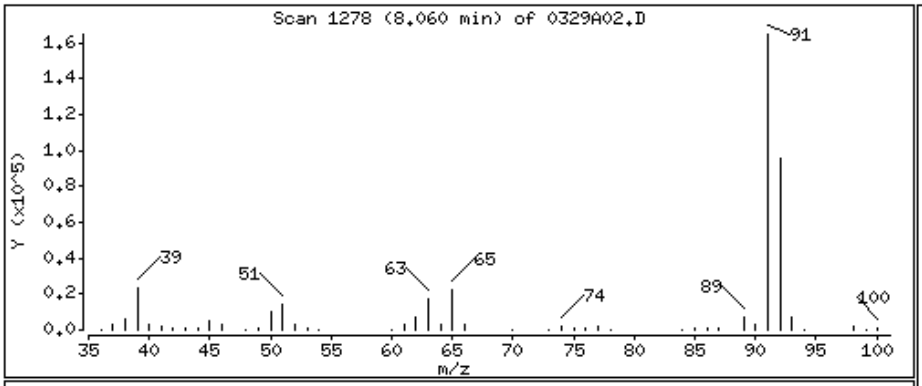
Operator: PD

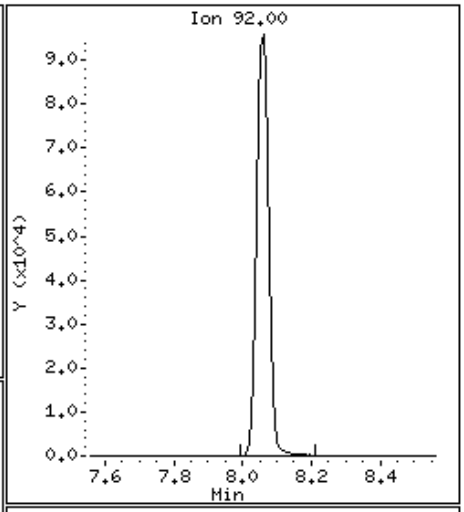
Column phase:

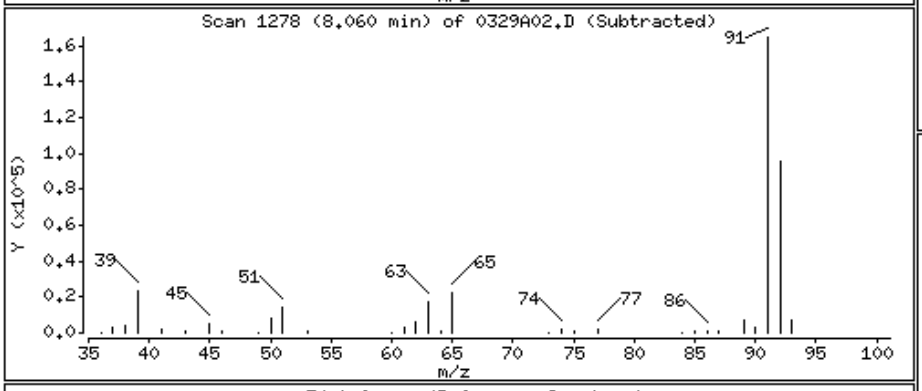
Column diameter: 0.18

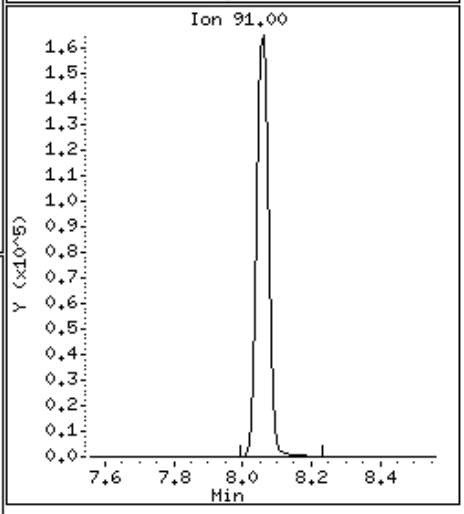
54 toluene

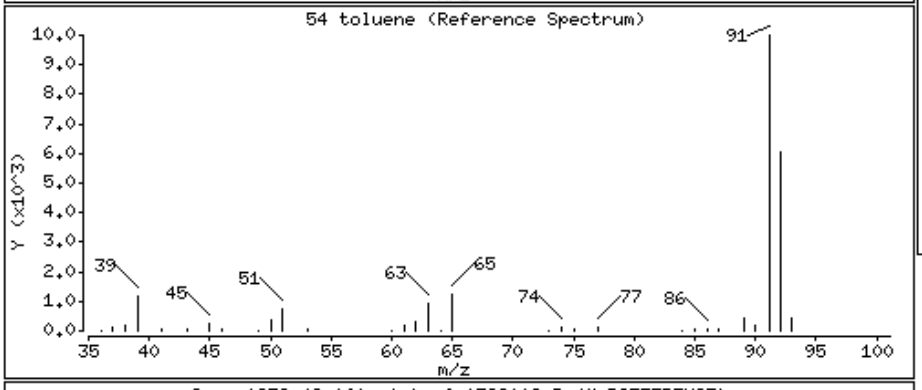
Concentration: 99.458 ngs

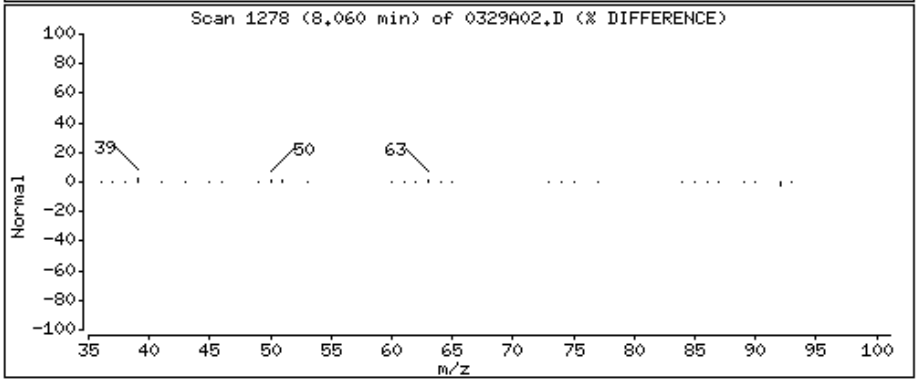












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

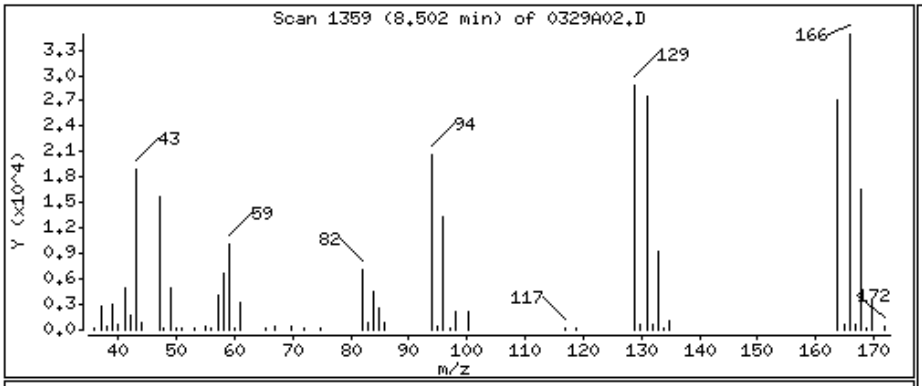
Operator: PD

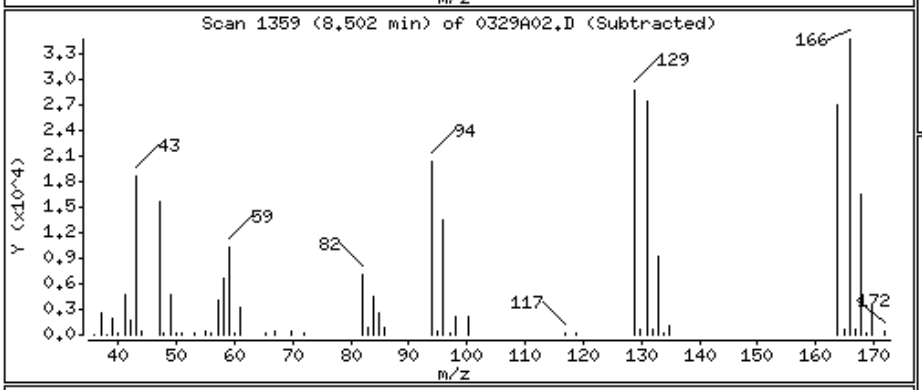
Column phase:

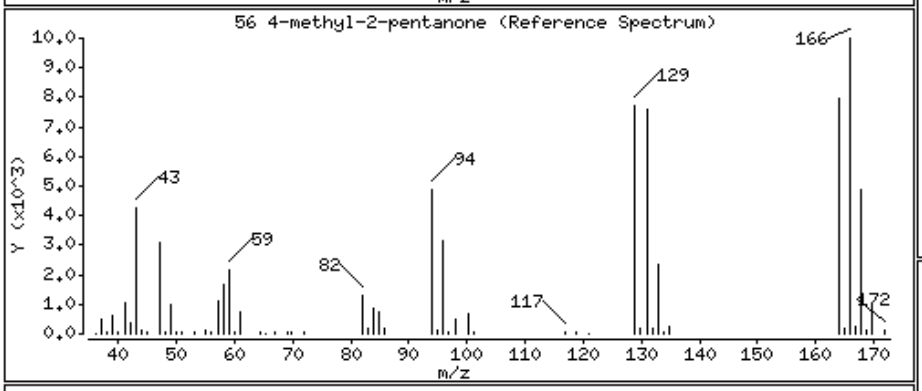
Column diameter: 0.18

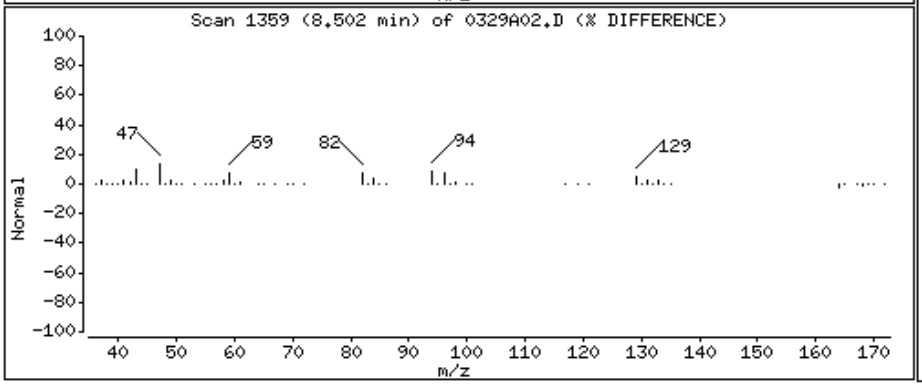
56 4-methyl-2-pentanone

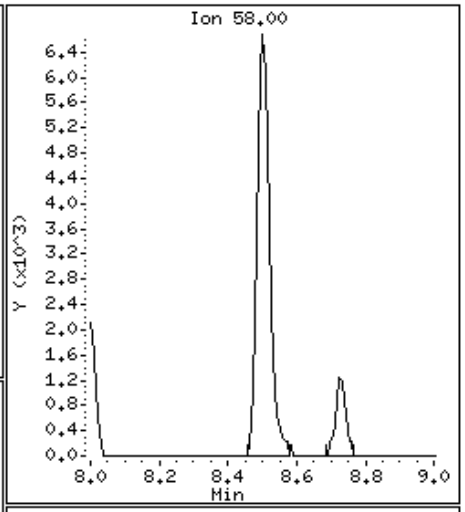
Concentration: 101.724 ngs

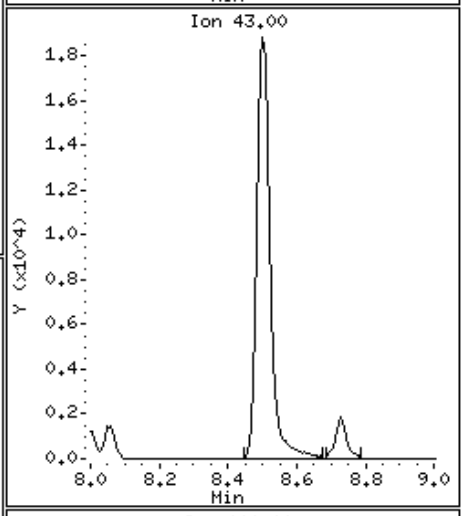


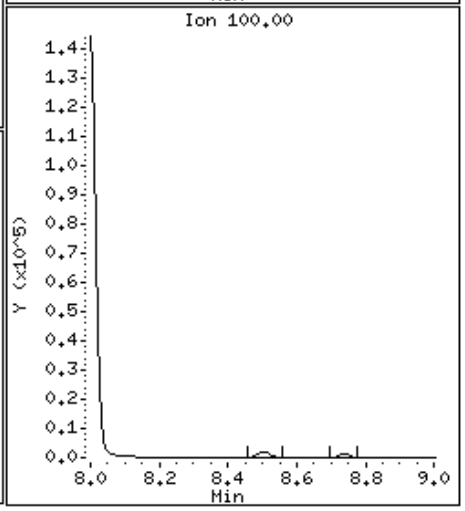












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

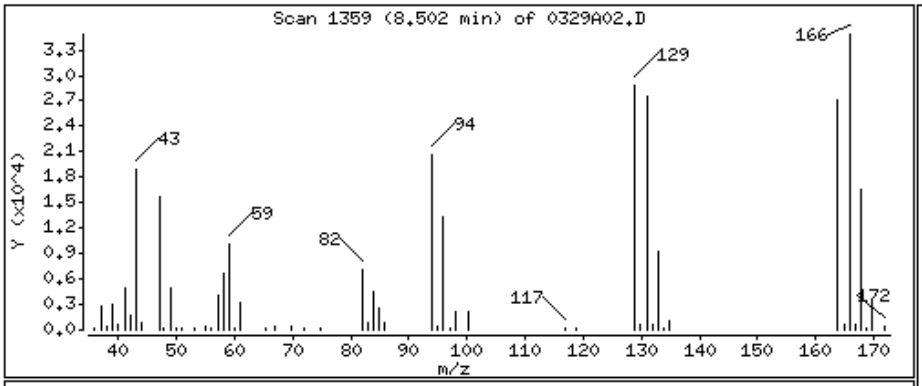
Operator: PD

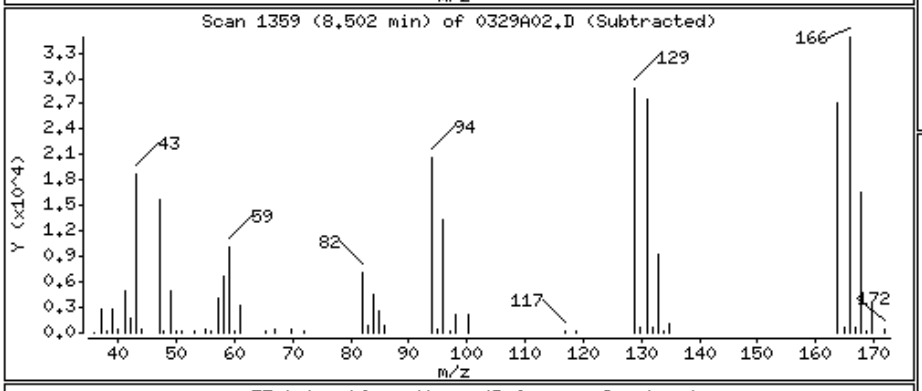
Column phase:

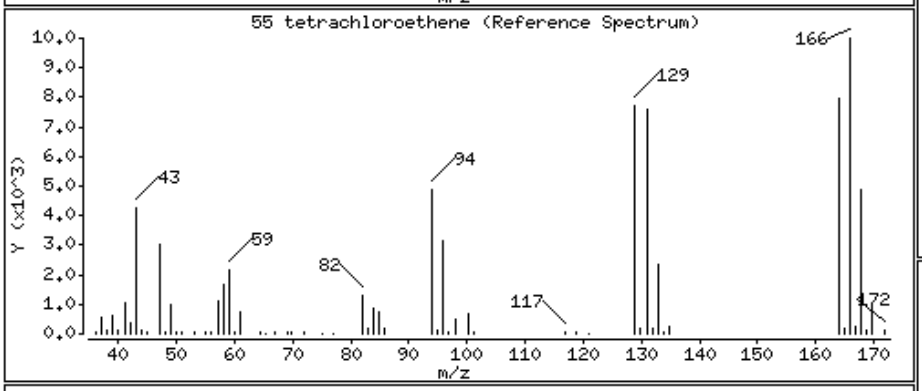
Column diameter: 0.18

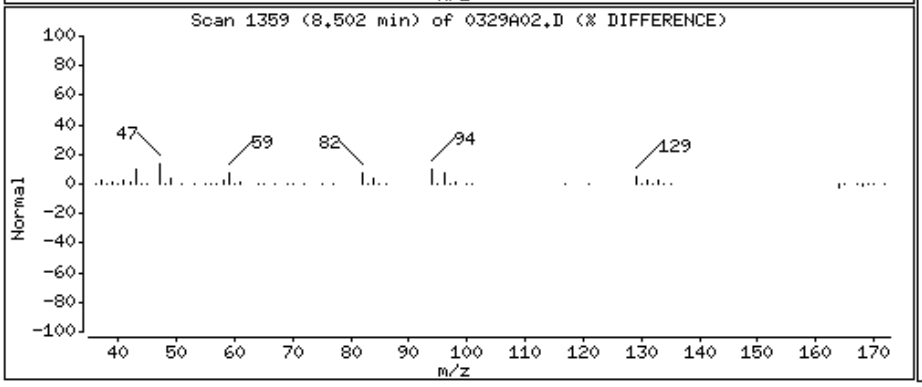
55 tetrachloroethene

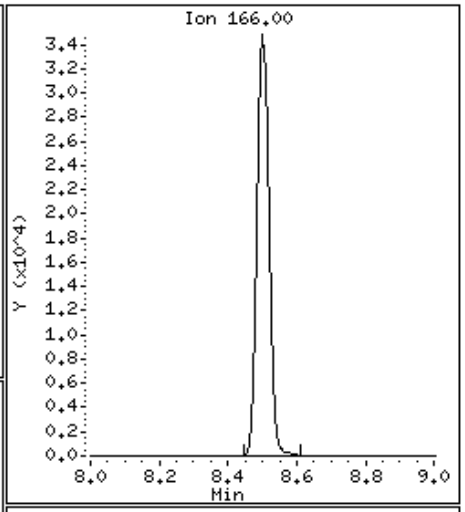
Concentration: 94.766 ngs

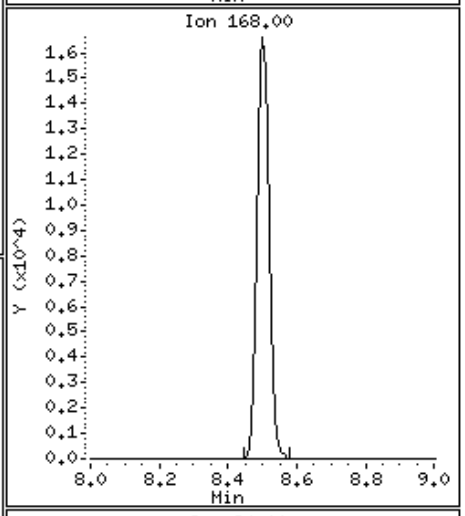


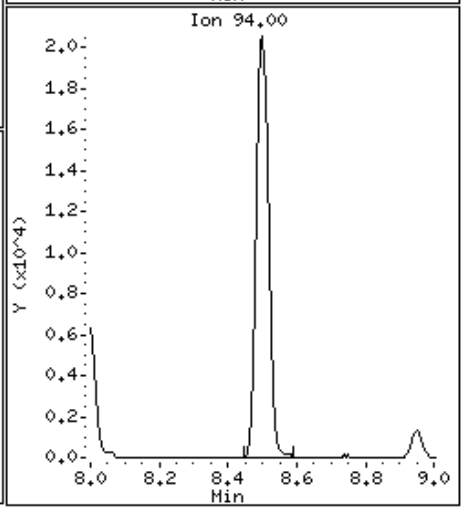












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

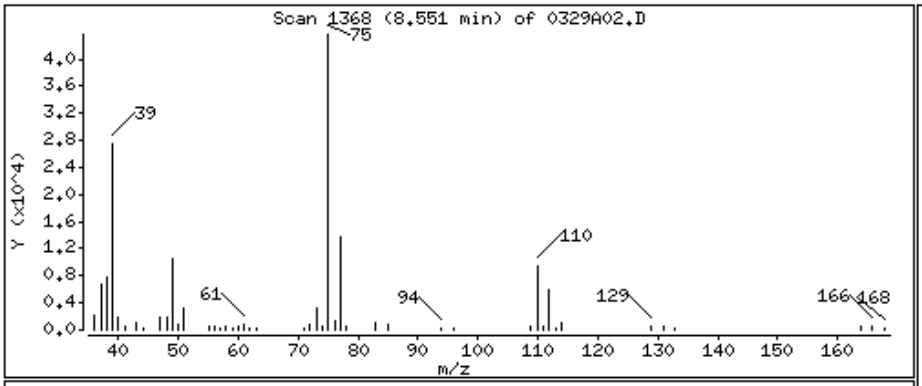
Operator: PD

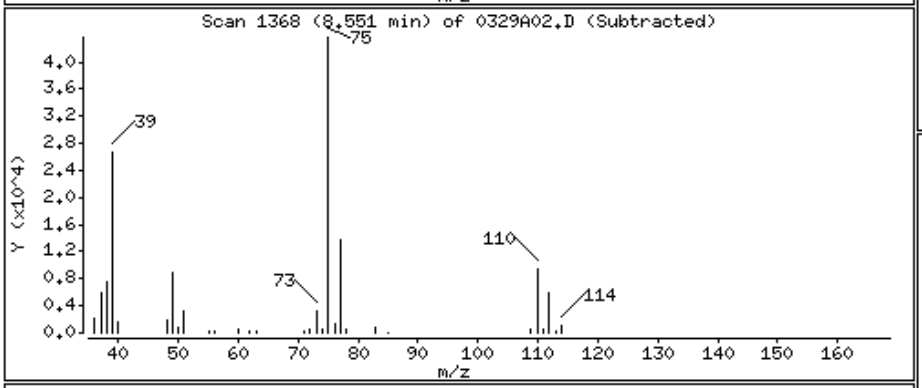
Column phase:

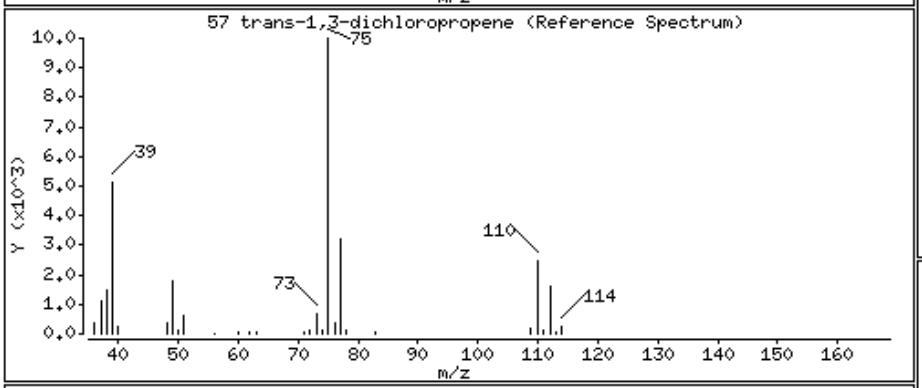
Column diameter: 0.18

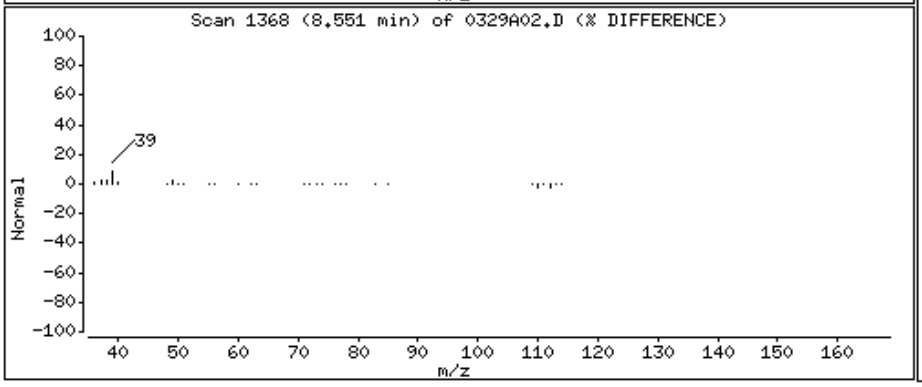
57 trans-1,3-dichloropropene

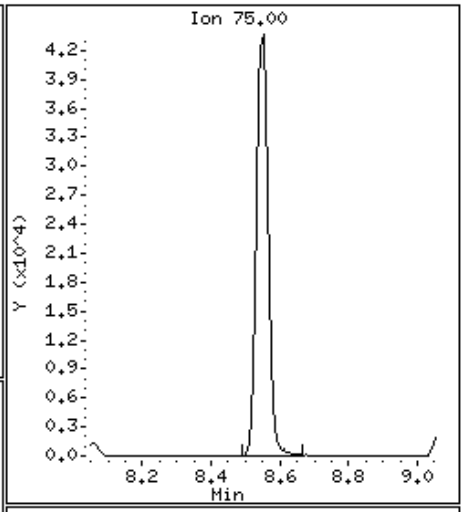
Concentration: 106.120 ngs

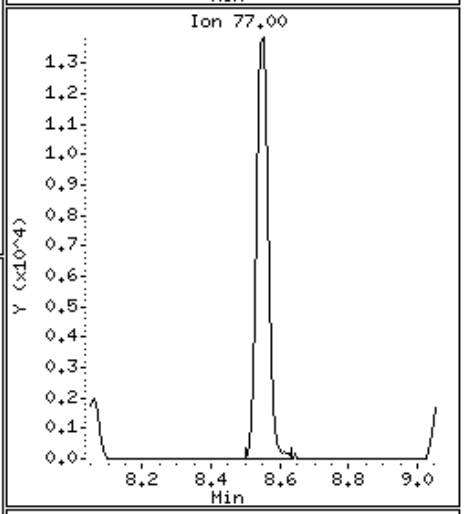


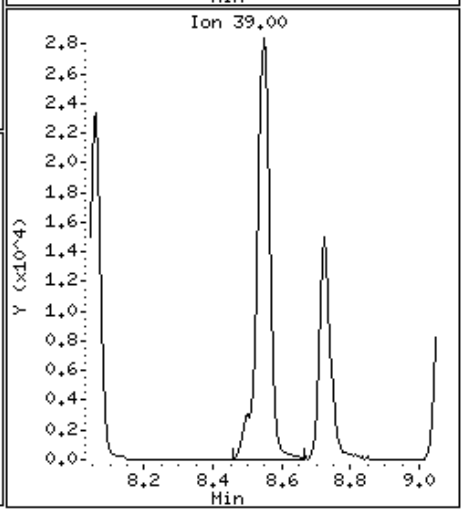












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

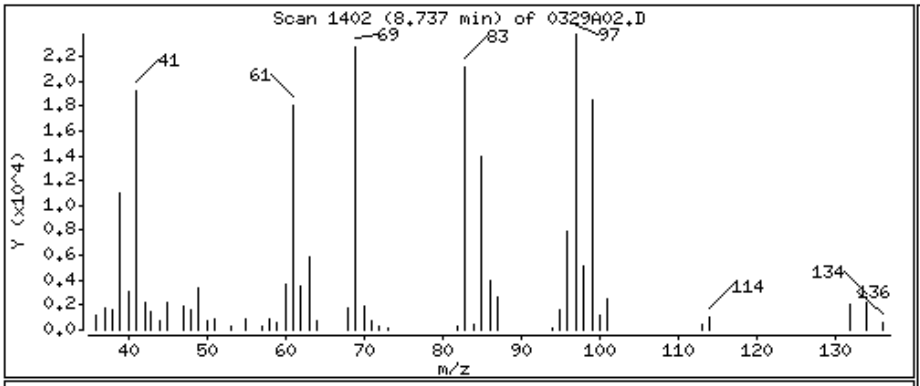
Operator: PD

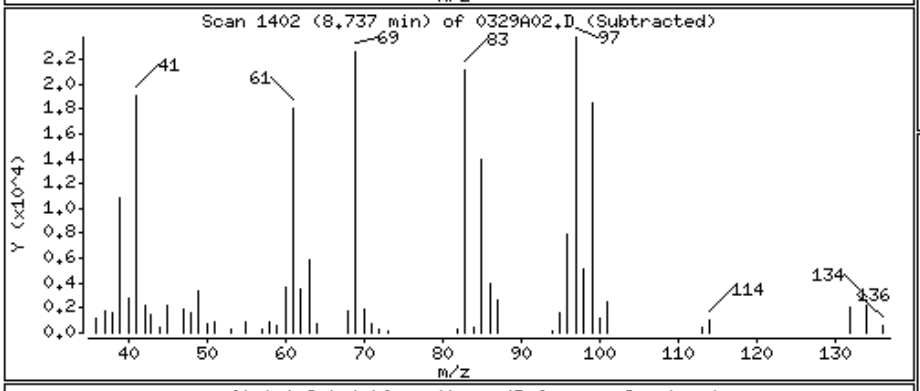
Column phase:

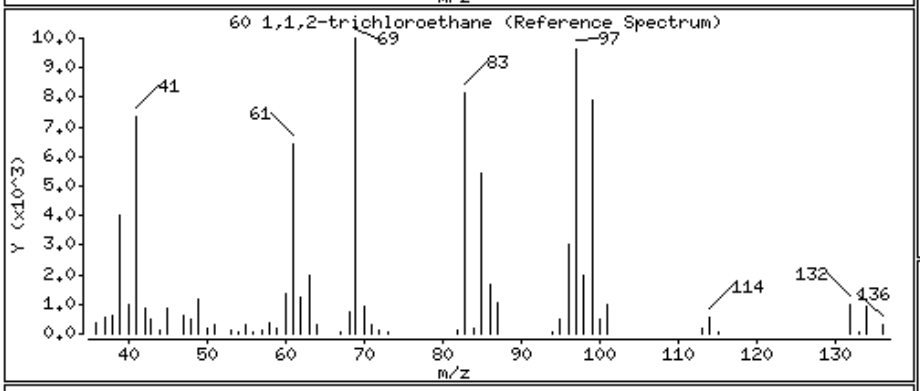
Column diameter: 0.18

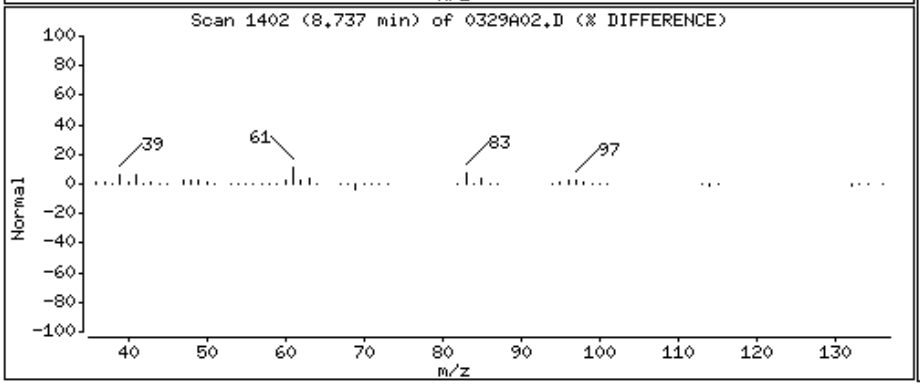
60 1,1,2-trichloroethane

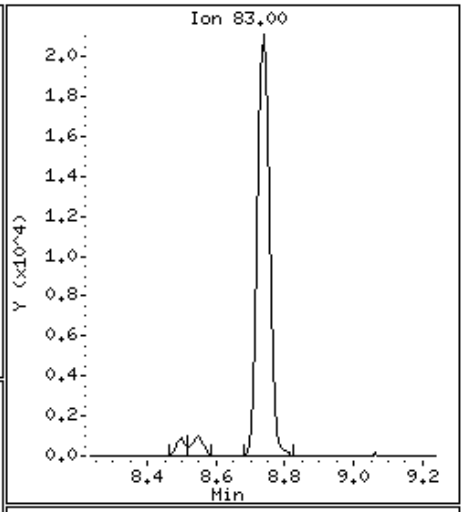
Concentration: 119.704 ngs

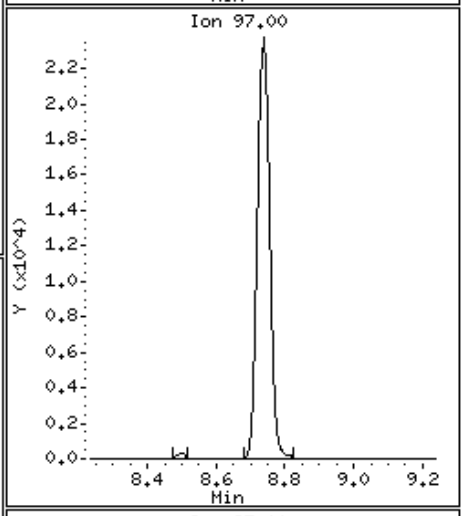


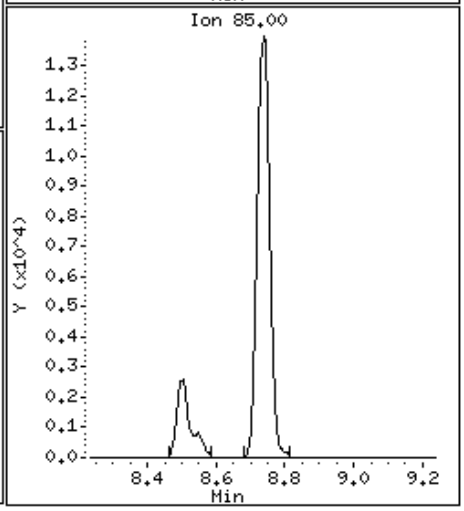












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

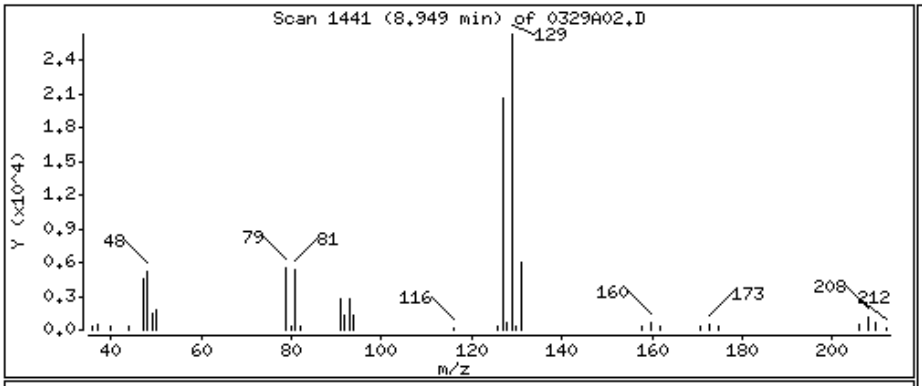
Operator: PD

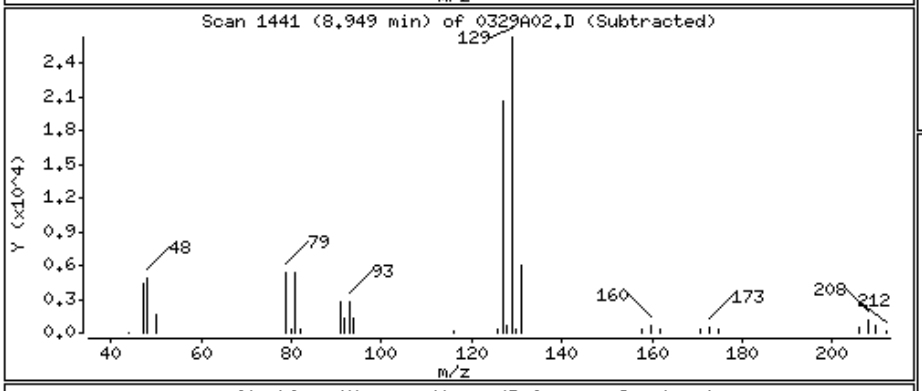
Column phase:

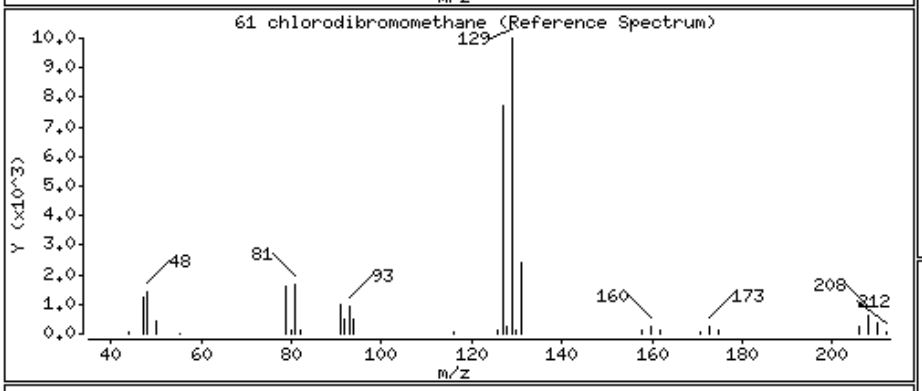
Column diameter: 0.18

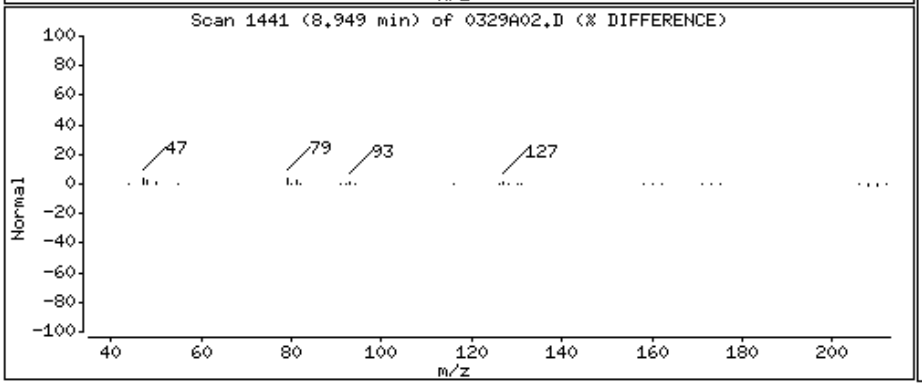
61 chlorodibromomethane

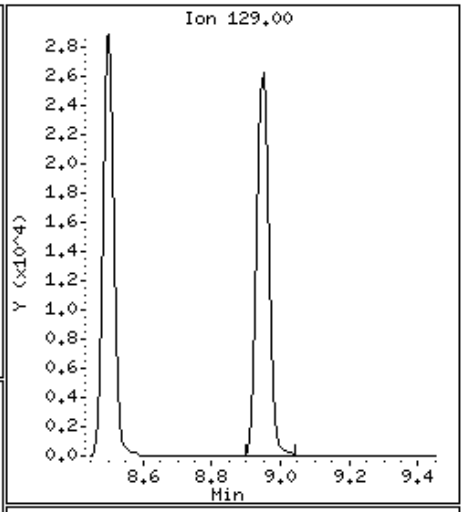
Concentration: 87.902 ngs

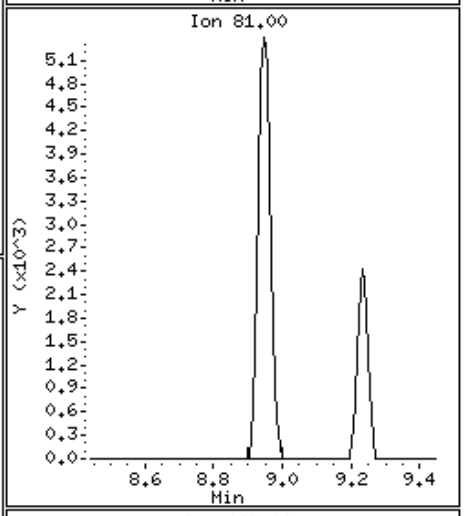


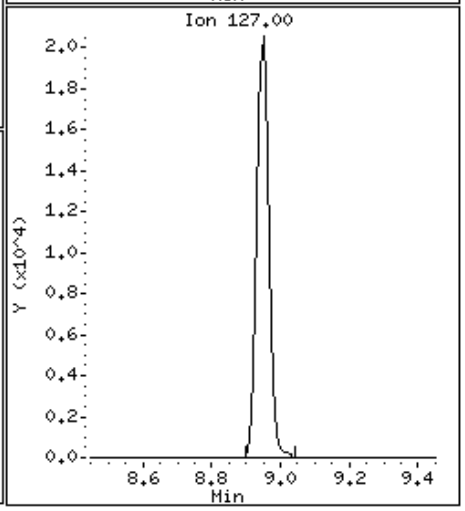












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

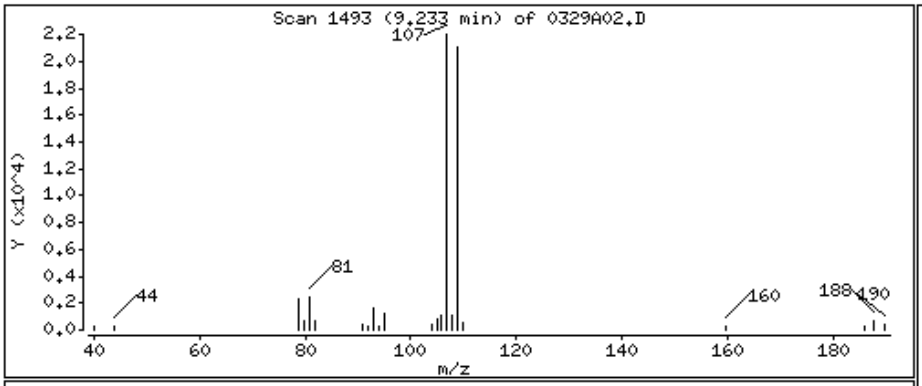
Operator: PD

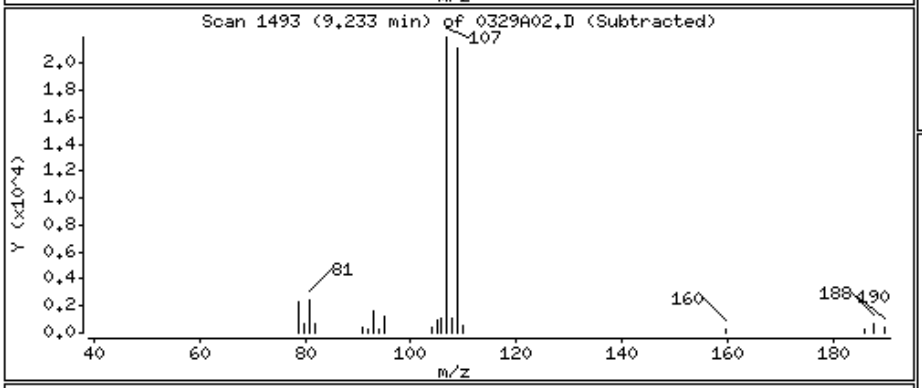
Column phase:

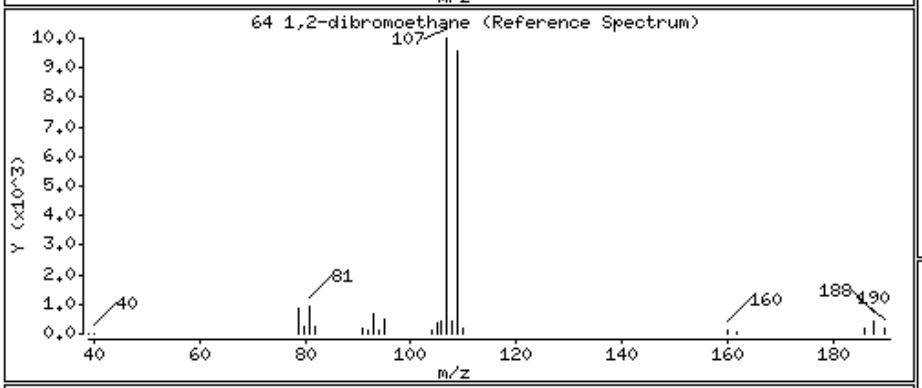
Column diameter: 0.18

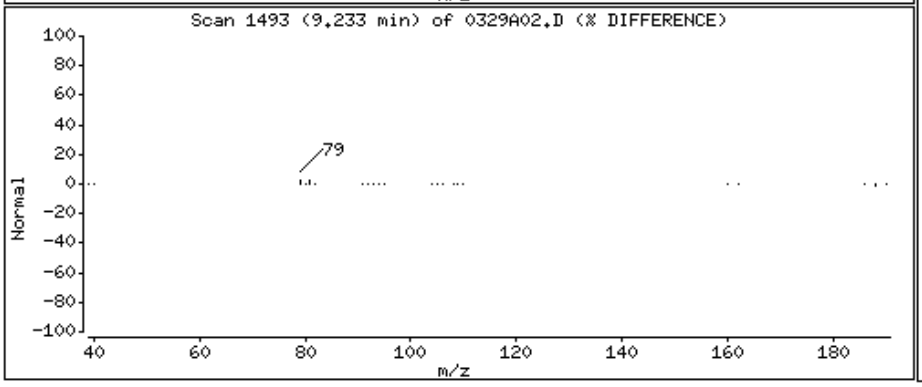
64 1,2-dibromoethane

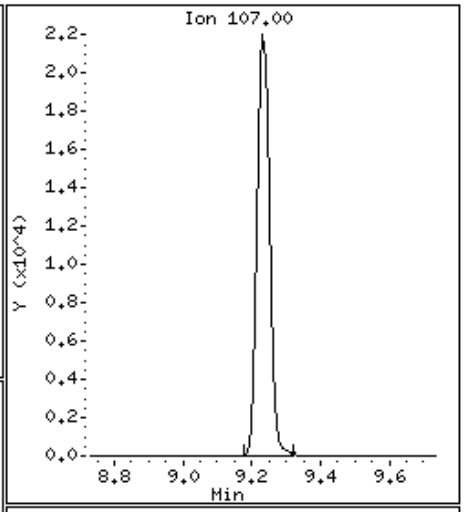
Concentration: 108.760 ngs

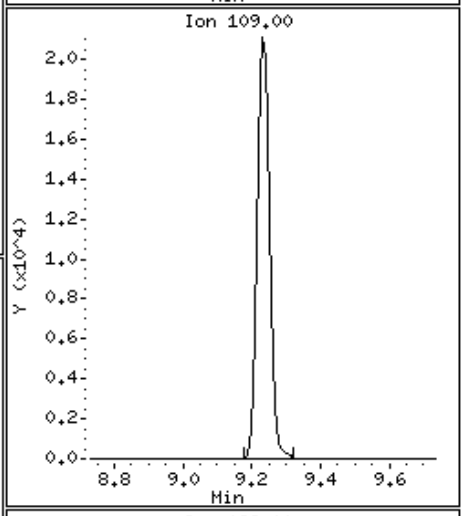


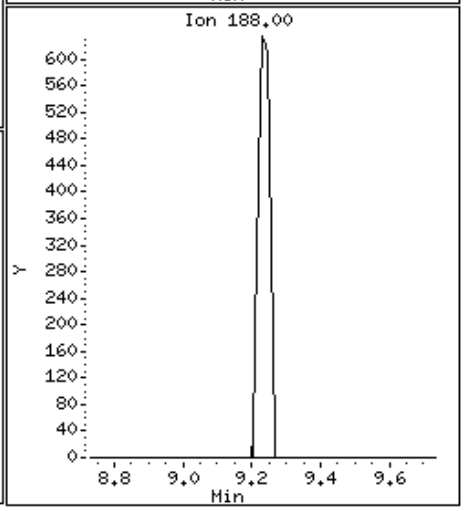












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

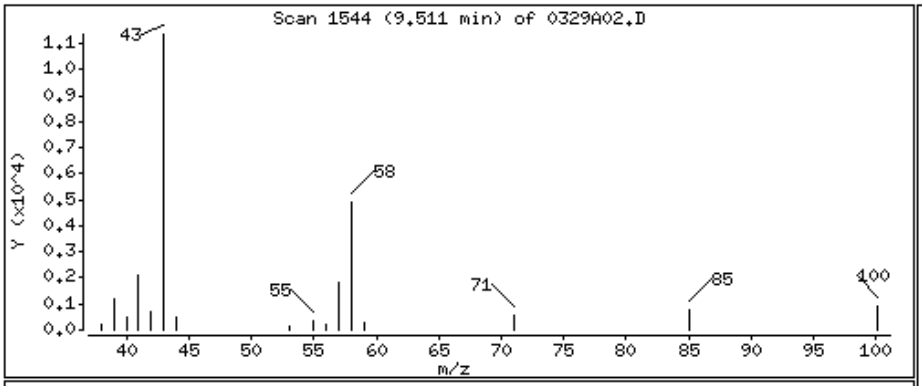
Operator: PD

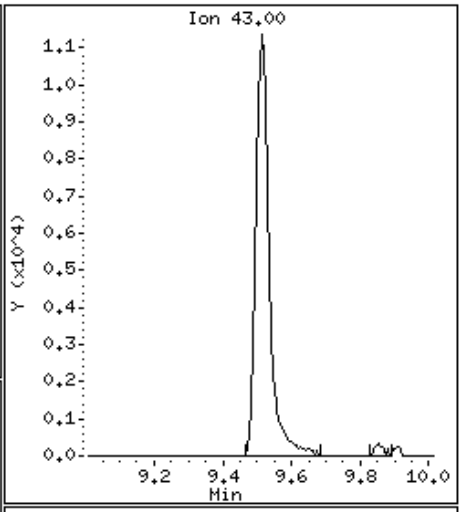
Column phase:

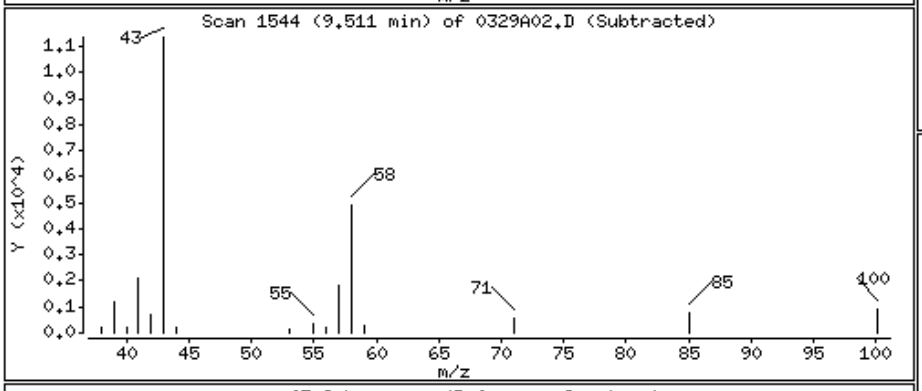
Column diameter: 0.18

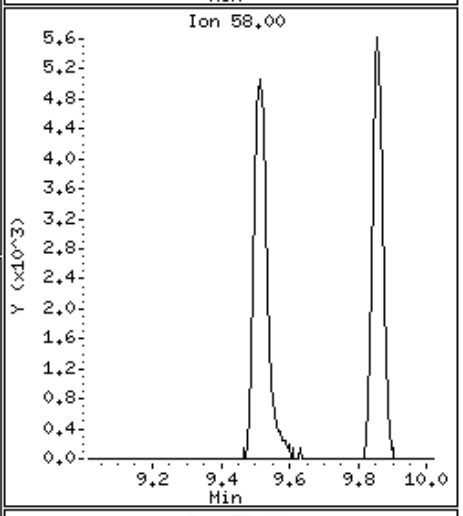
65 2-hexanone

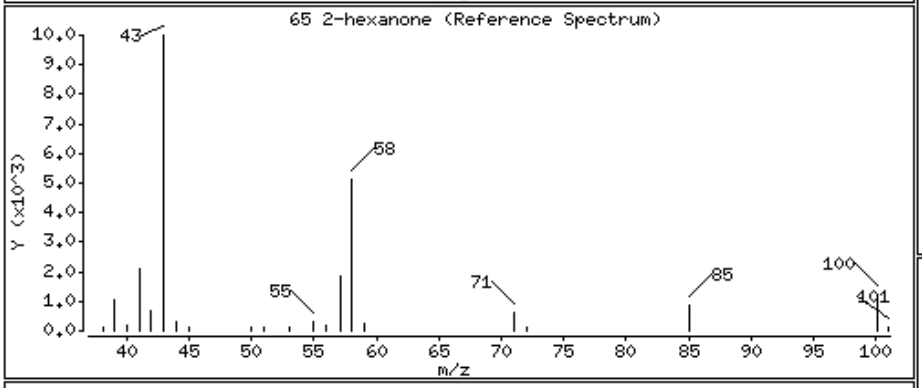
Concentration: 104.266 ngs

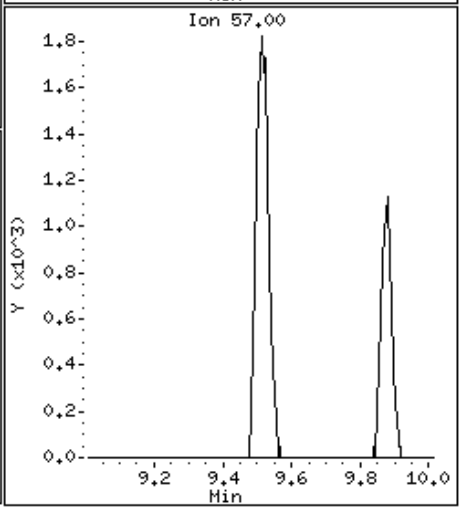


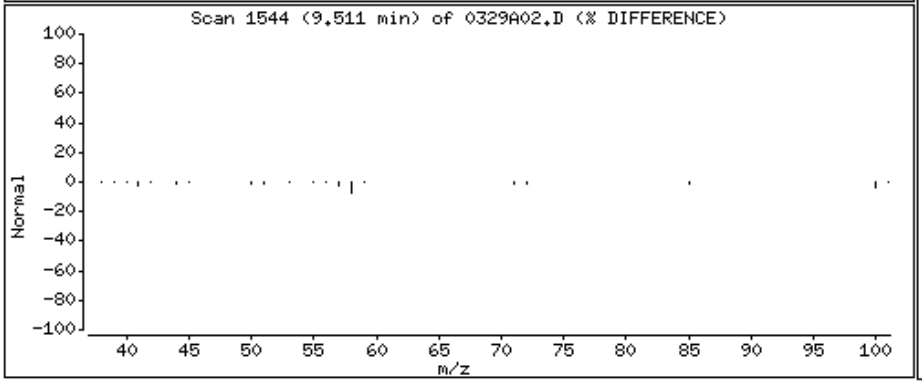












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

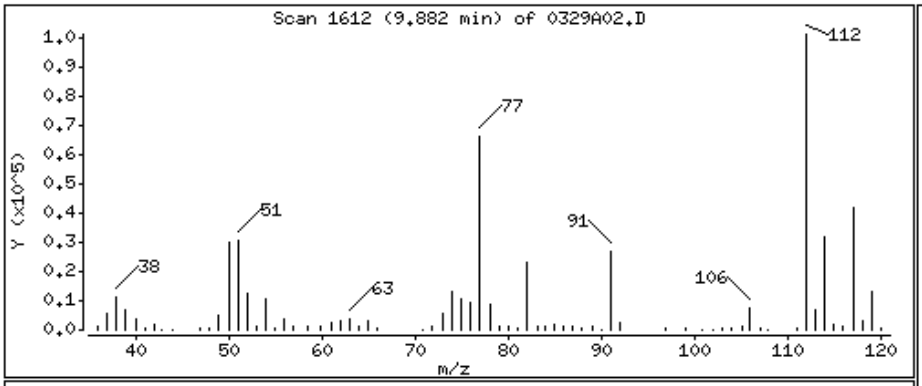
Operator: PD

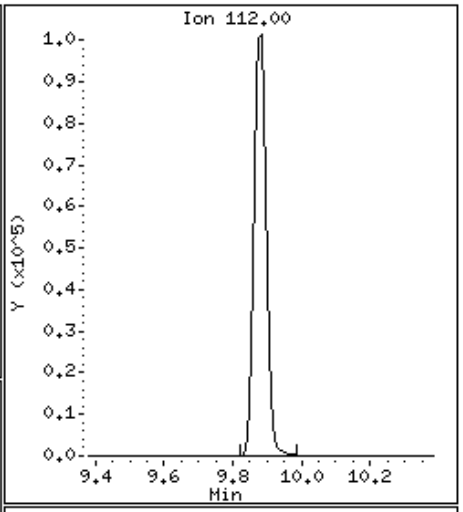
Column phase:

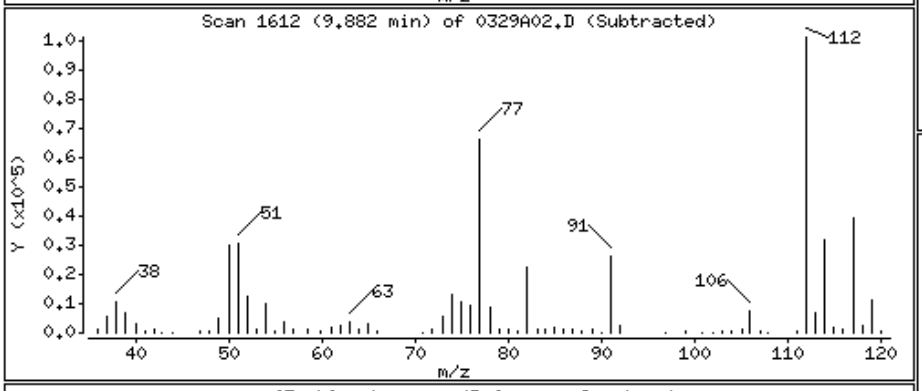
Column diameter: 0.18

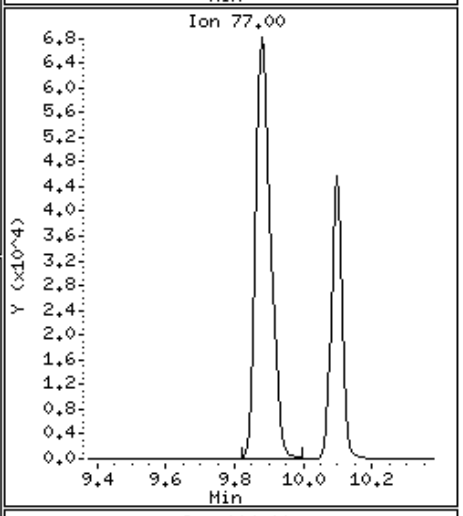
67 chlorobenzene

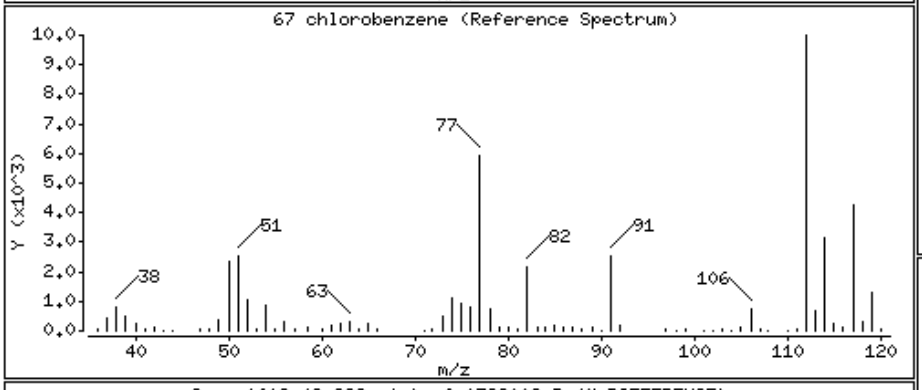
Concentration: 110.591 ngs

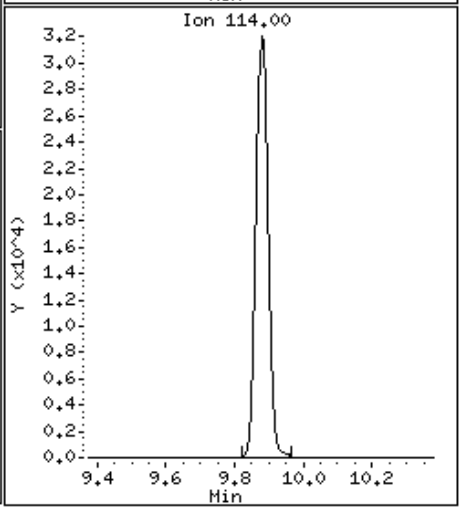


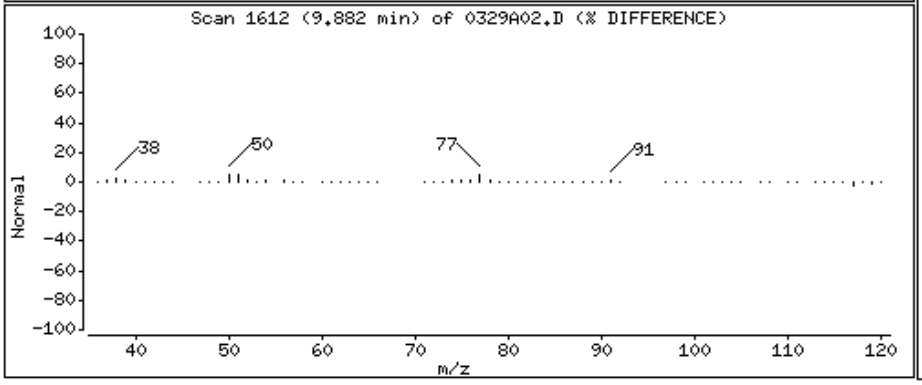












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

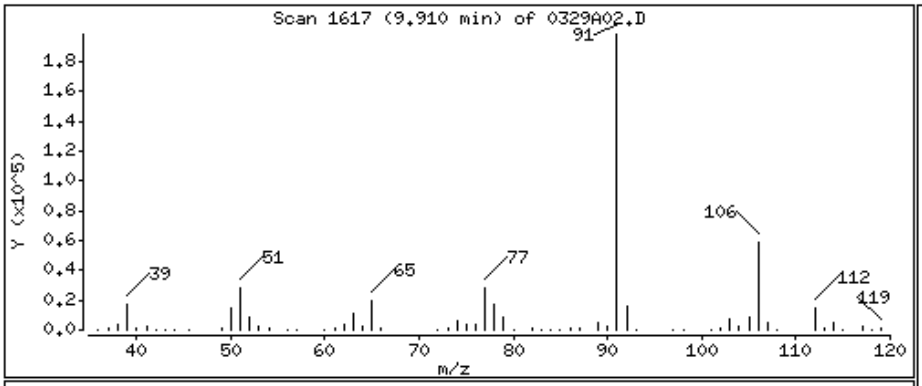
Operator: PD

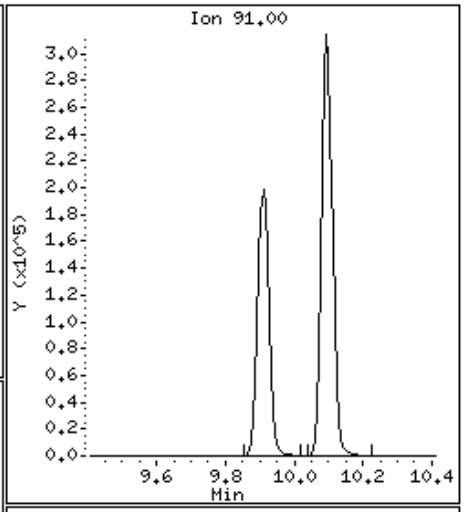
Column phase:

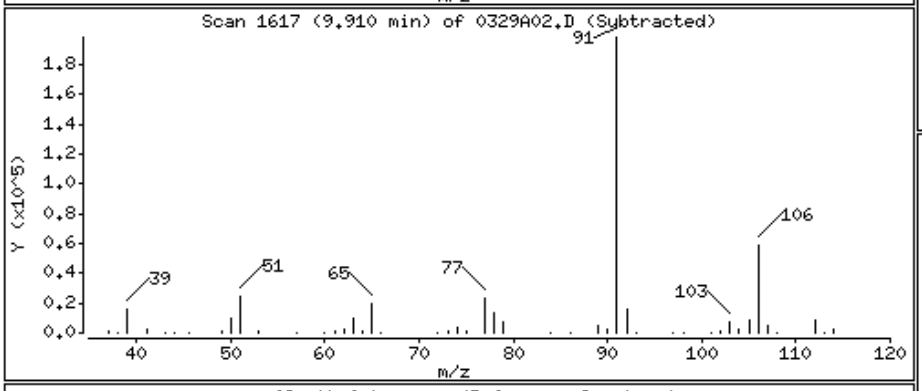
Column diameter: 0.18

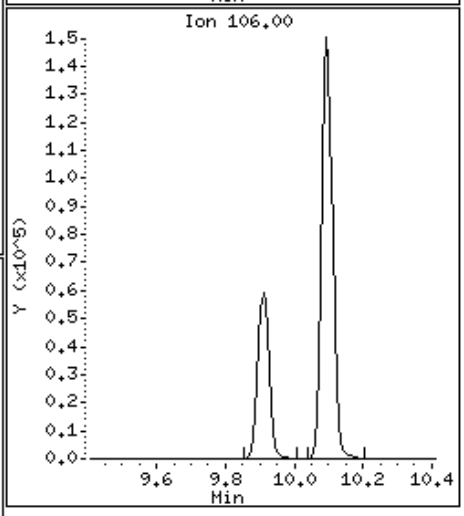
68 ethyl benzene

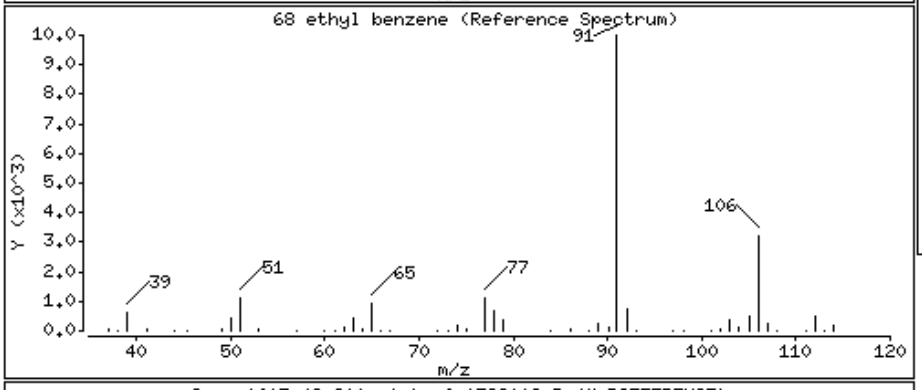
Concentration: 115.983 ngs

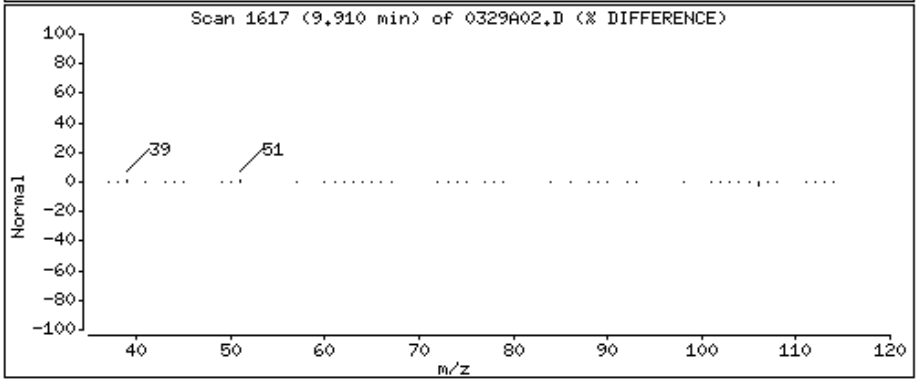












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

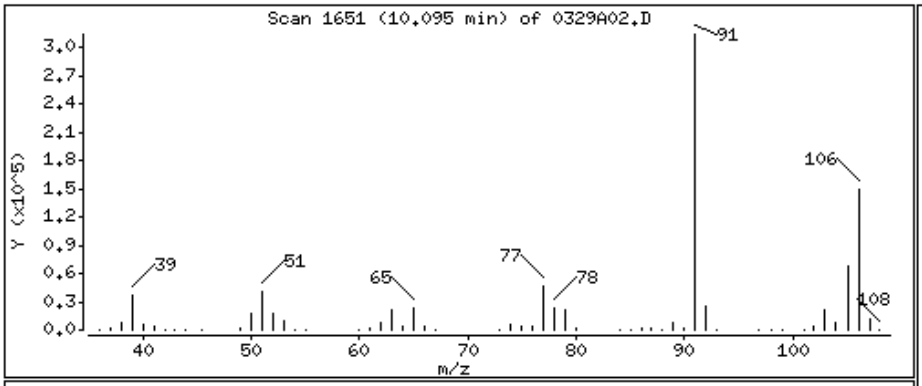
Operator: PD

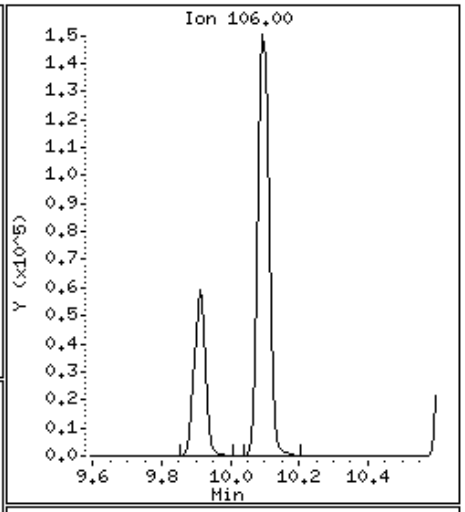
Column phase:

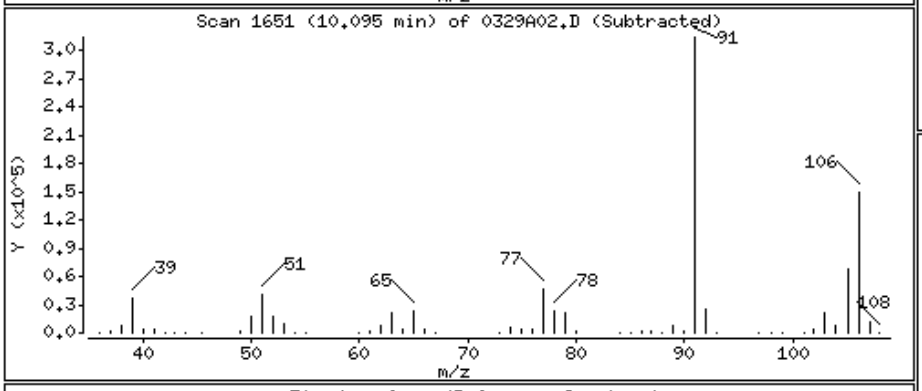
Column diameter: 0.18

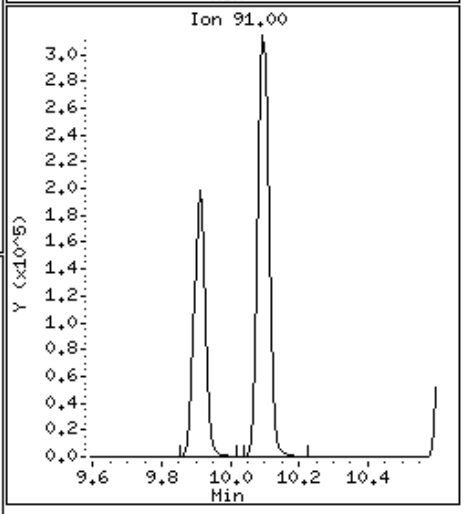
70 p/m xylene

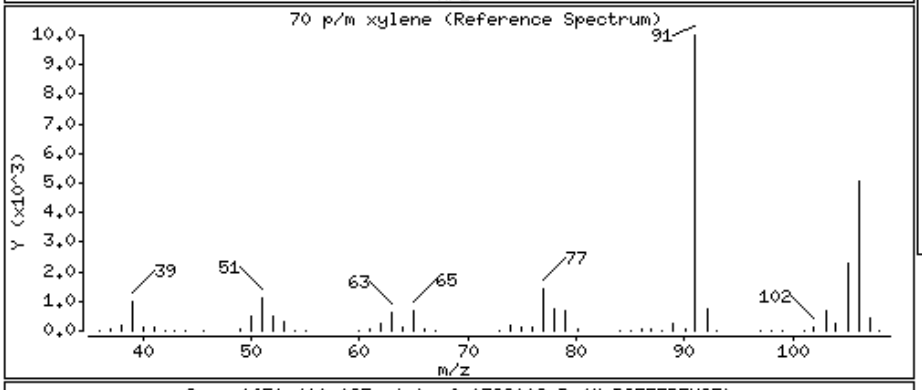
Concentration: 225.174 ngs

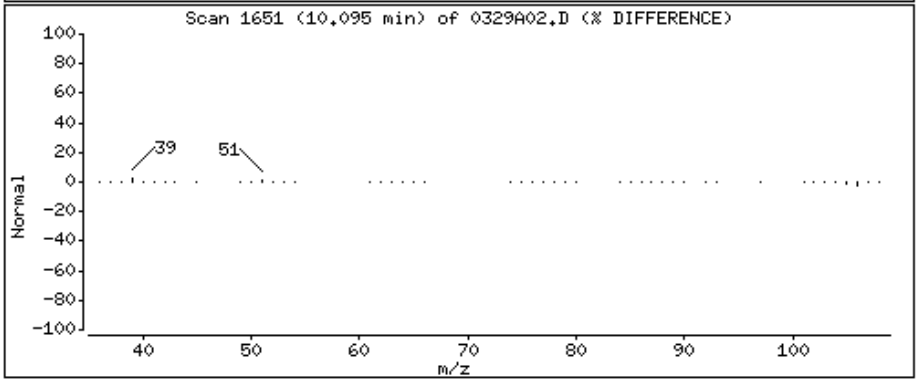












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

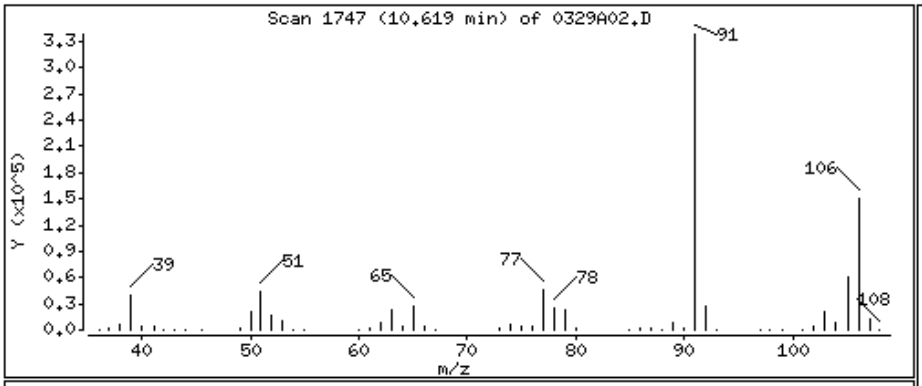
Operator: PD

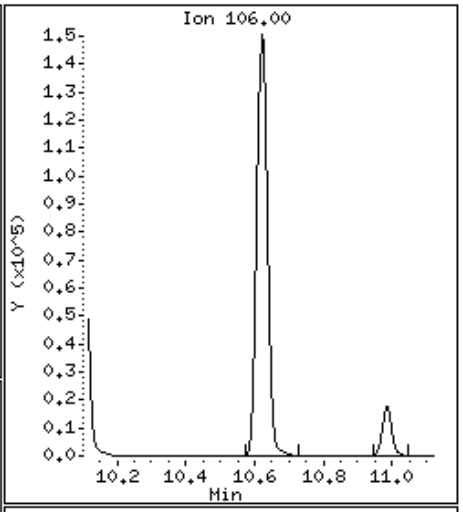
Column phase:

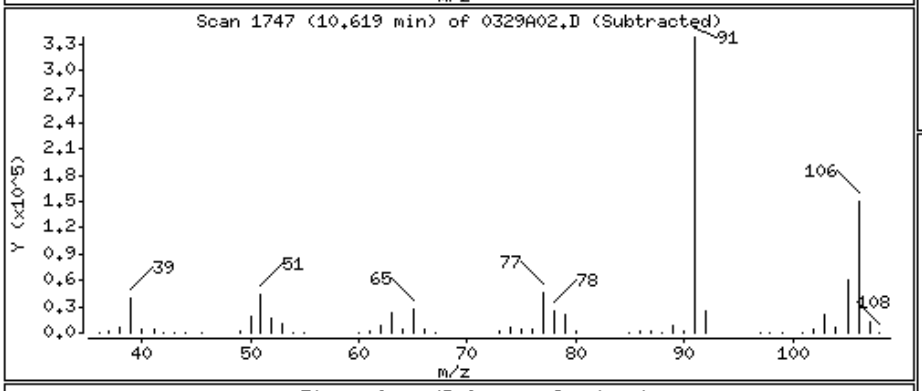
Column diameter: 0.18

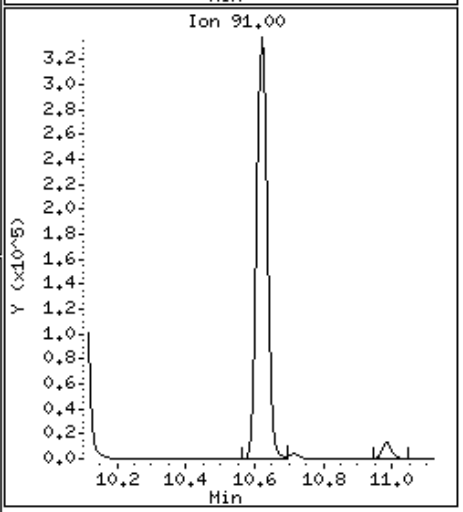
71 o xylene

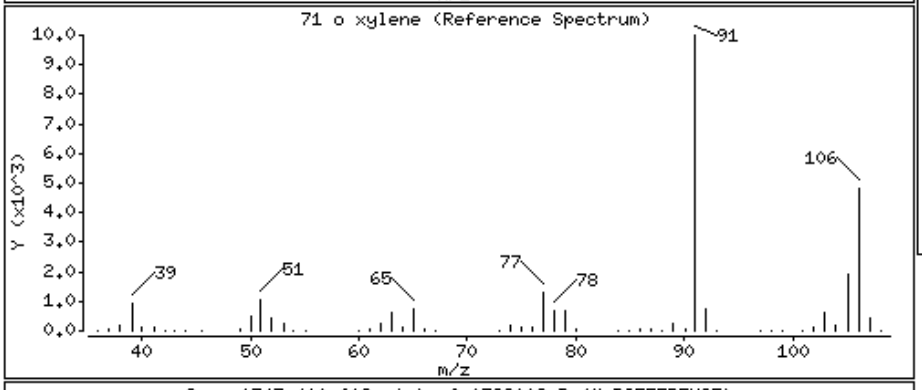
Concentration: 225.135 ngs

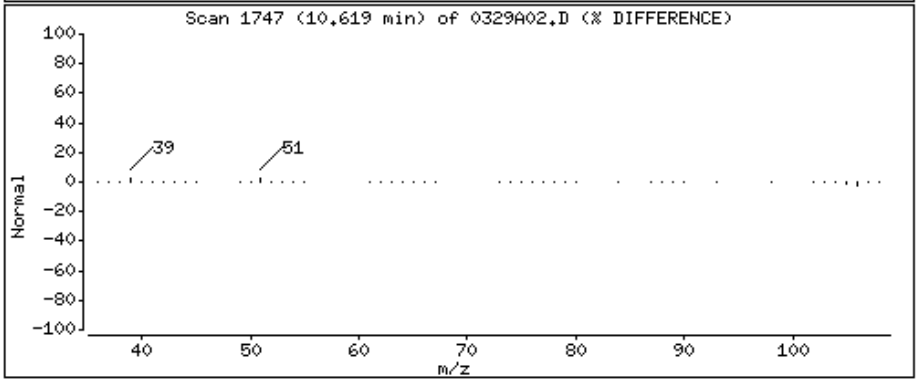












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

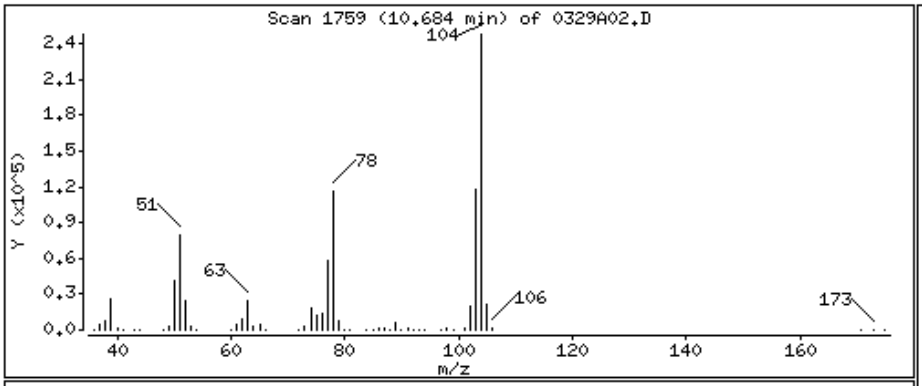
Operator: PD

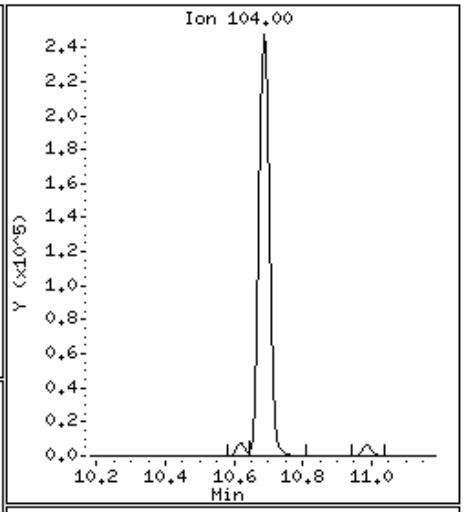
Column phase:

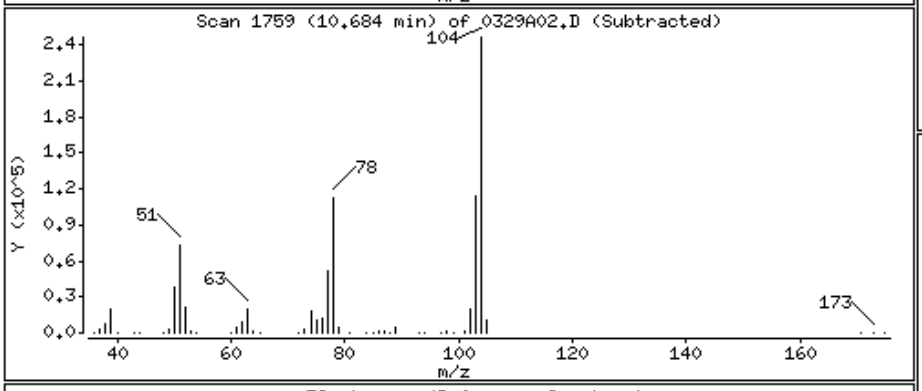
Column diameter: 0.18

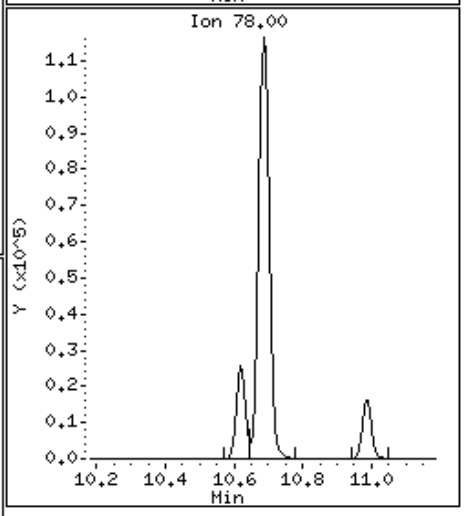
72 styrene

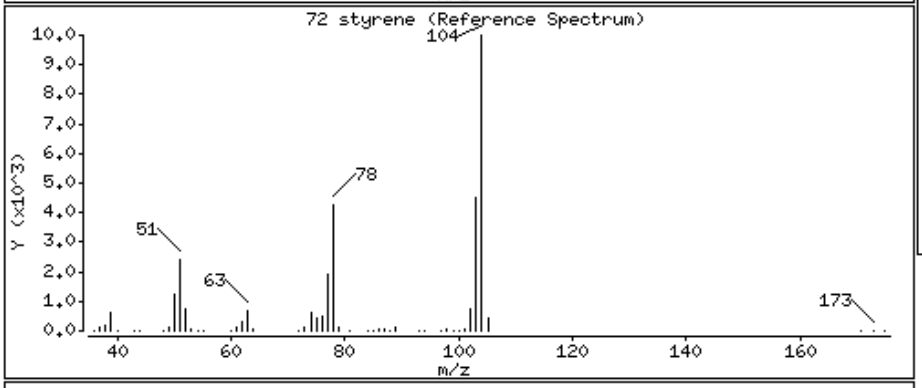
Concentration: 227.312 ngs

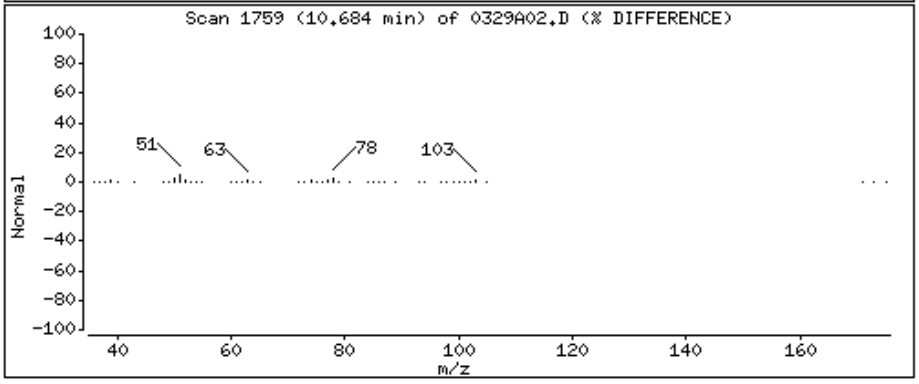












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

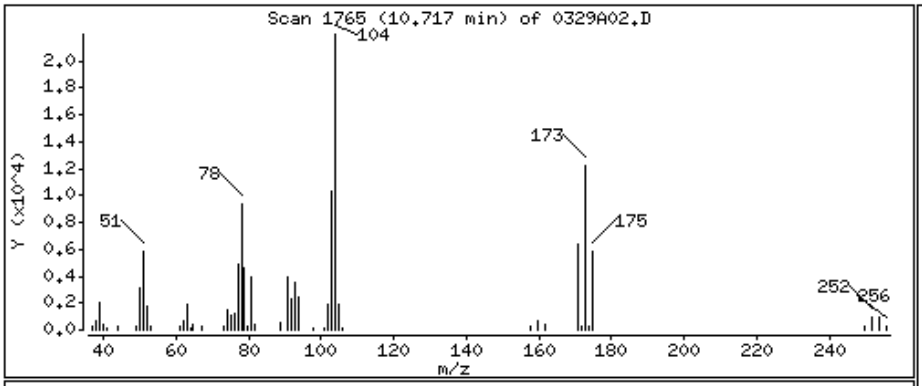
Operator: PD

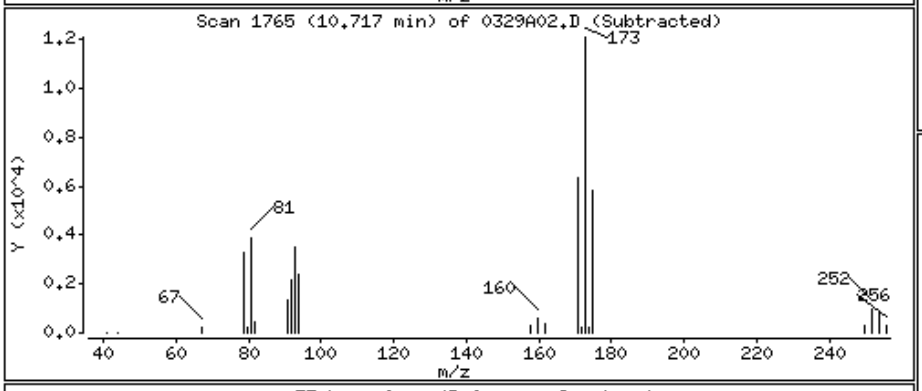
Column phase:

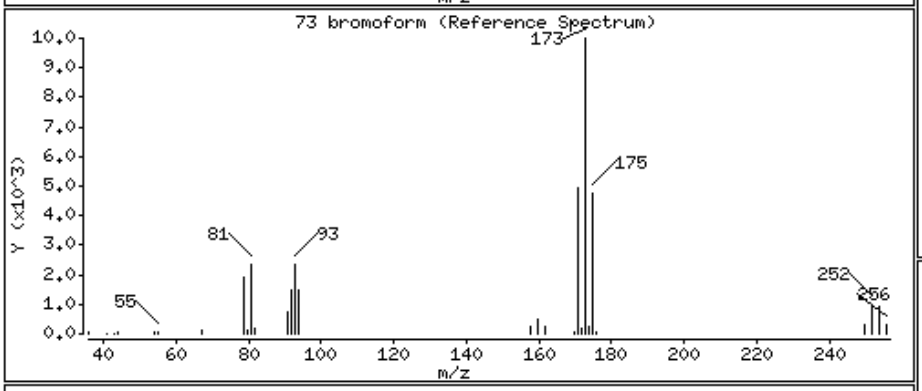
Column diameter: 0.18

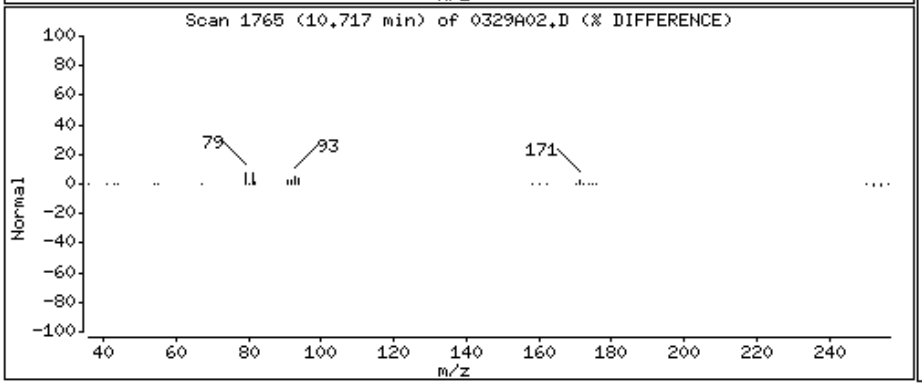
73 bromoform

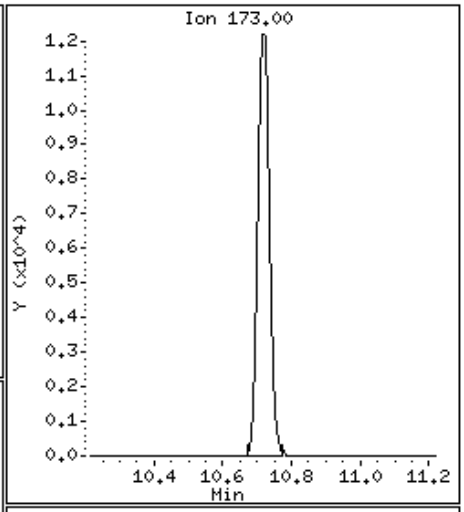
Concentration: 82.601 ngs

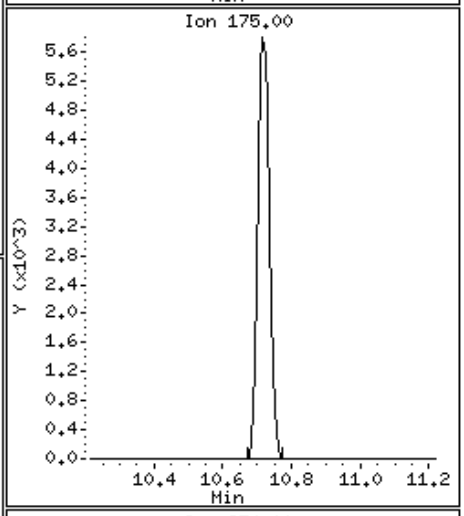


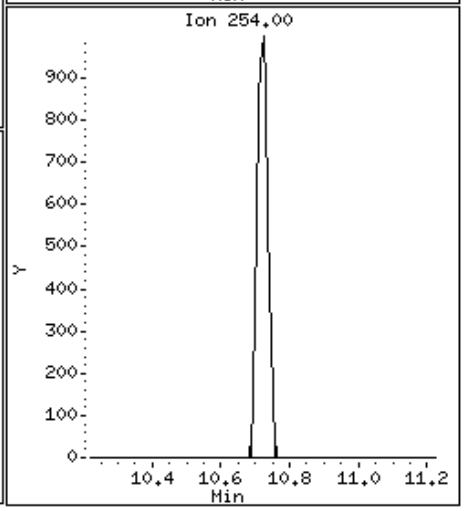












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

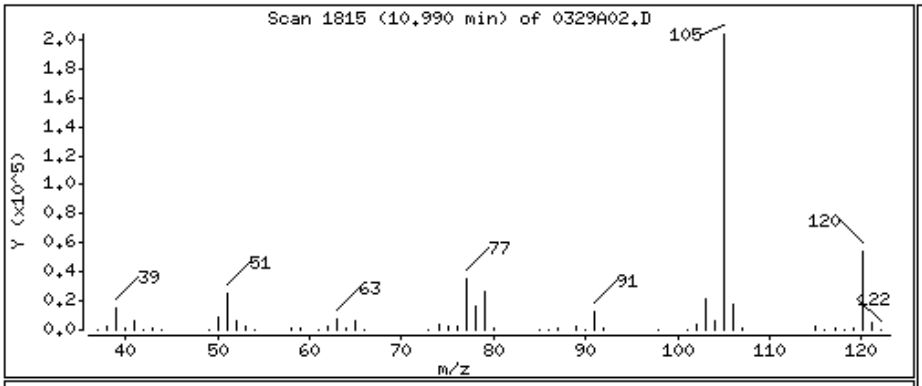
Operator: PD

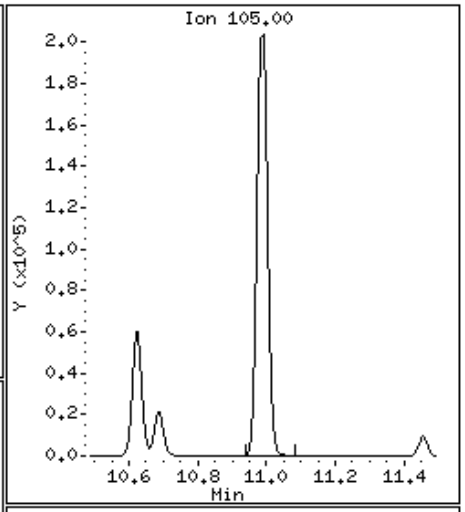
Column phase:

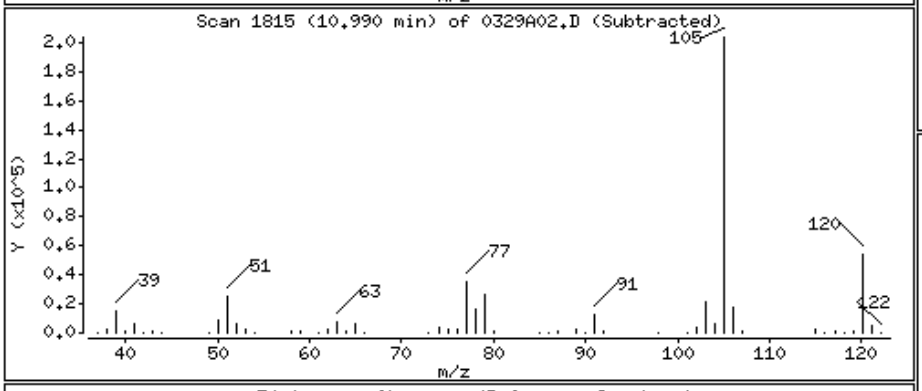
Column diameter: 0.18

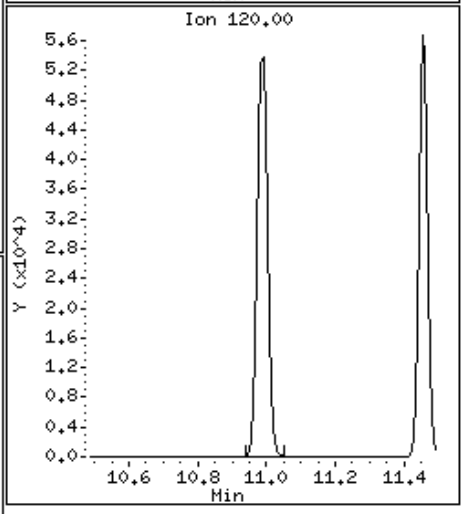
74 isopropylbenzene

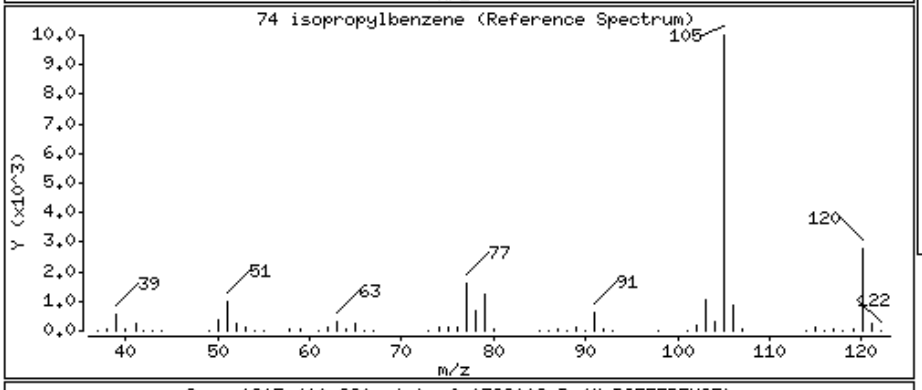
Concentration: 117.428 ngs

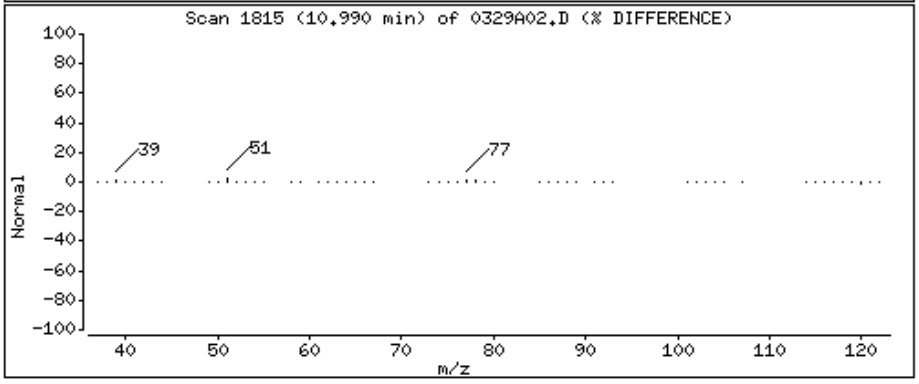












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

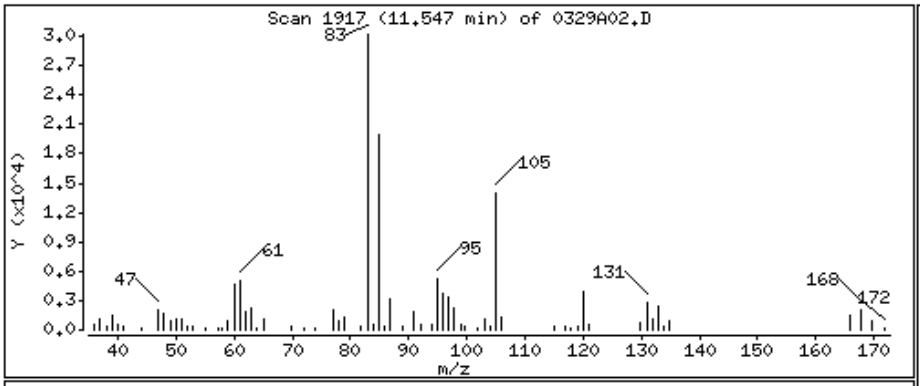
Operator: PD

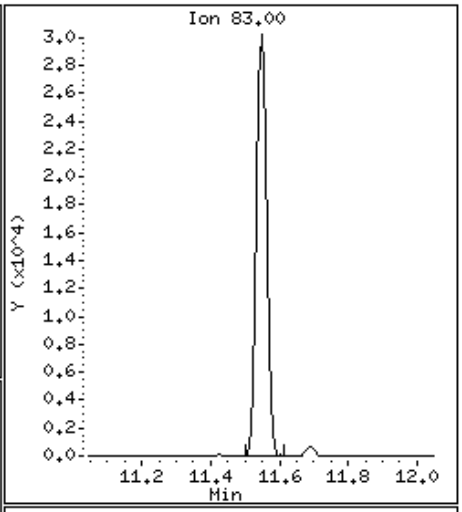
Column phase:

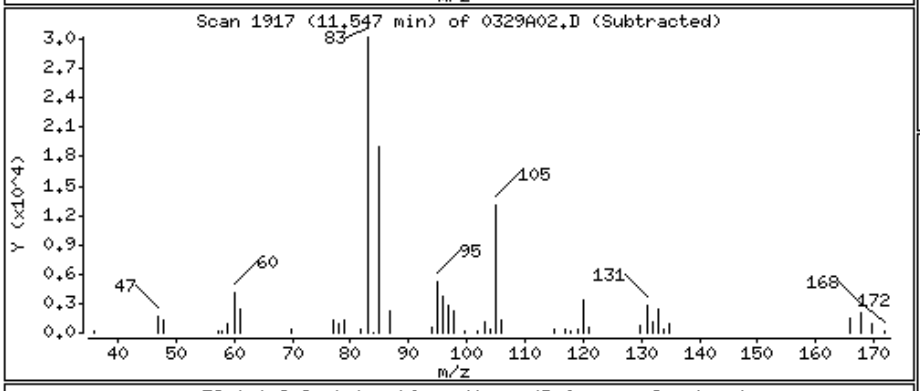
Column diameter: 0.18

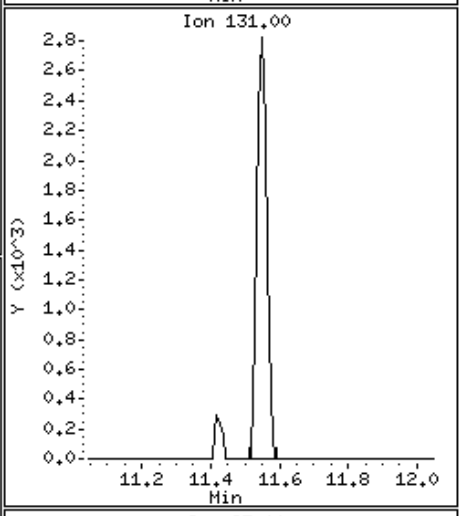
79 1,1,2,2,-tetrachloroethane

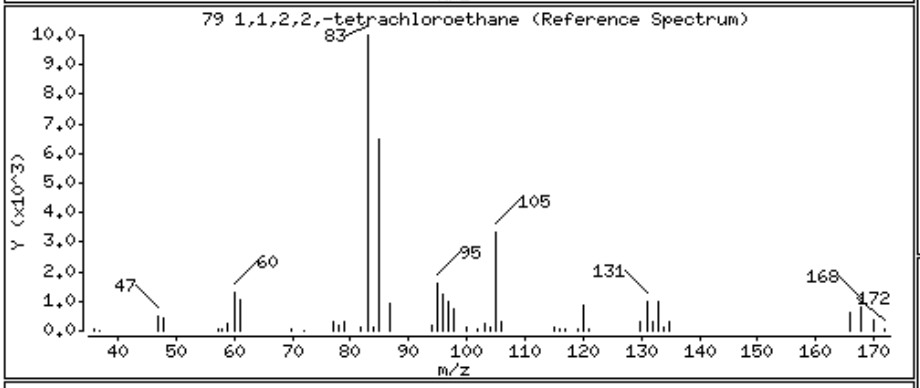
Concentration: 128.984 ngs

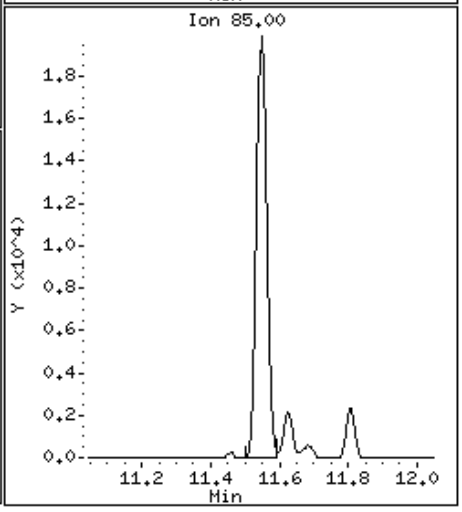


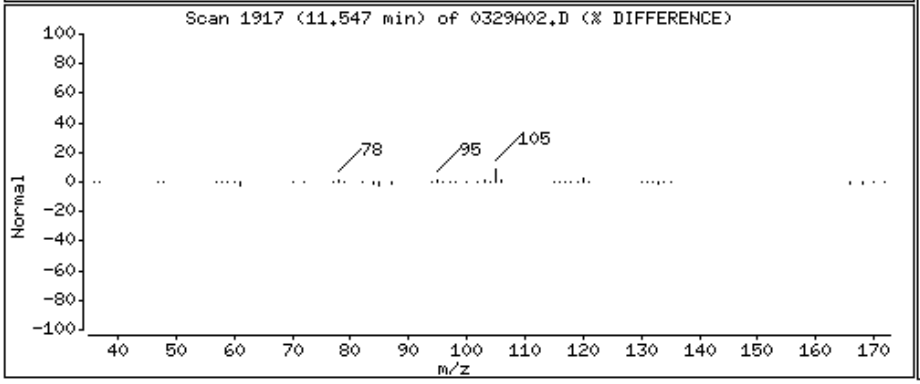












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

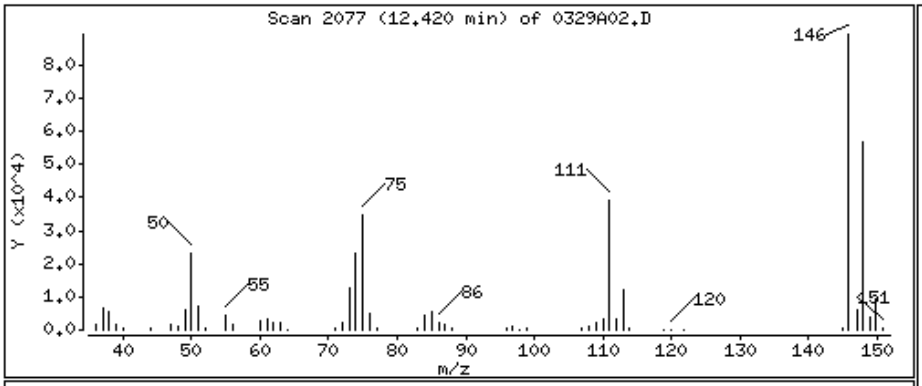
Operator: PD

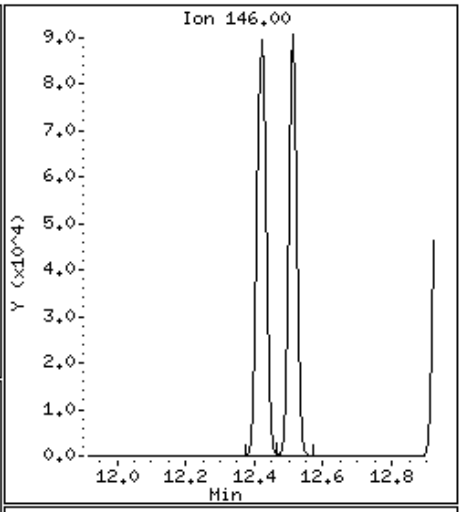
Column phase:

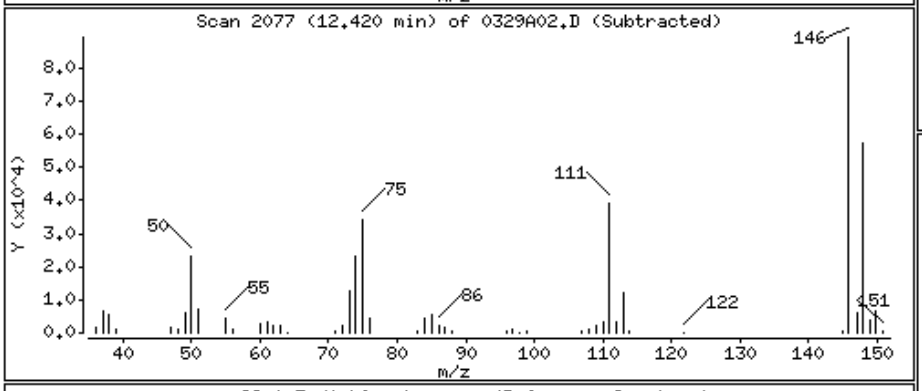
Column diameter: 0.18

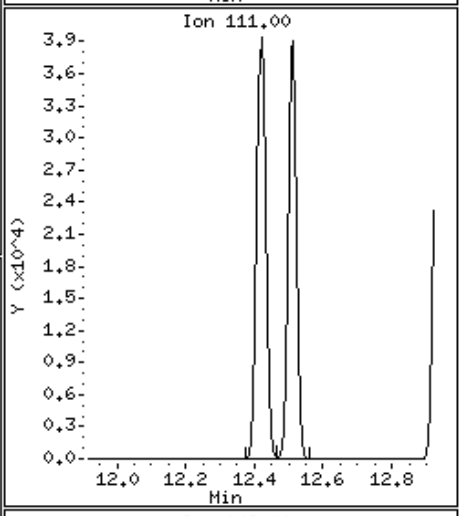
92 1,3-dichlorobenzene

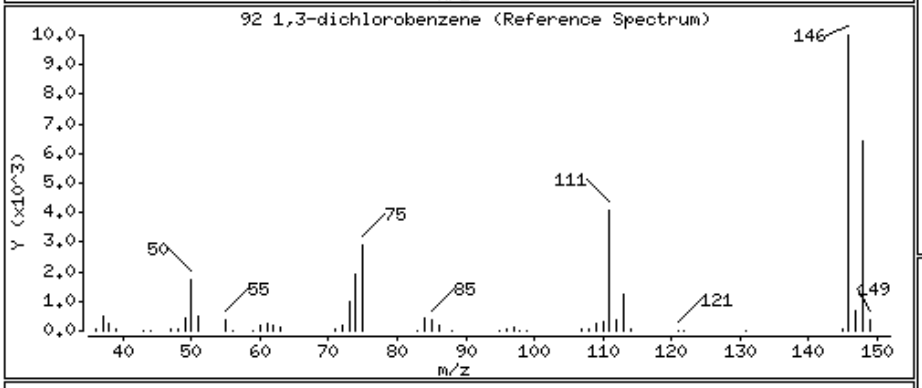
Concentration: 107.890 ngs

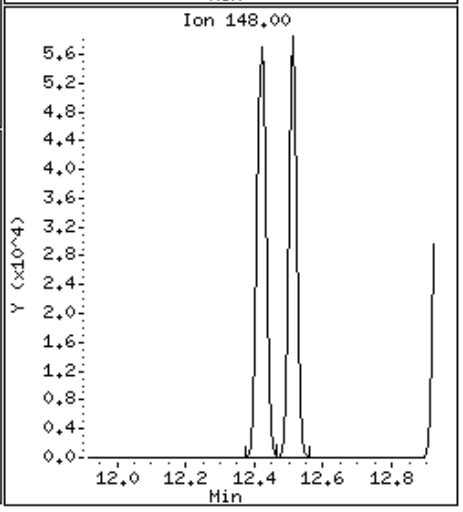


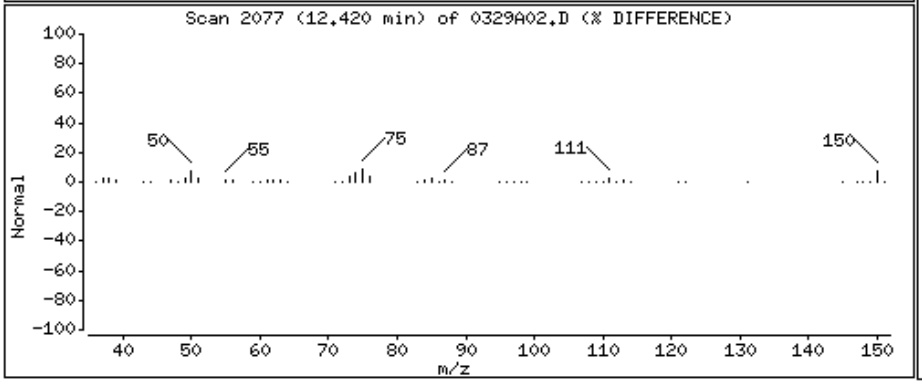












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

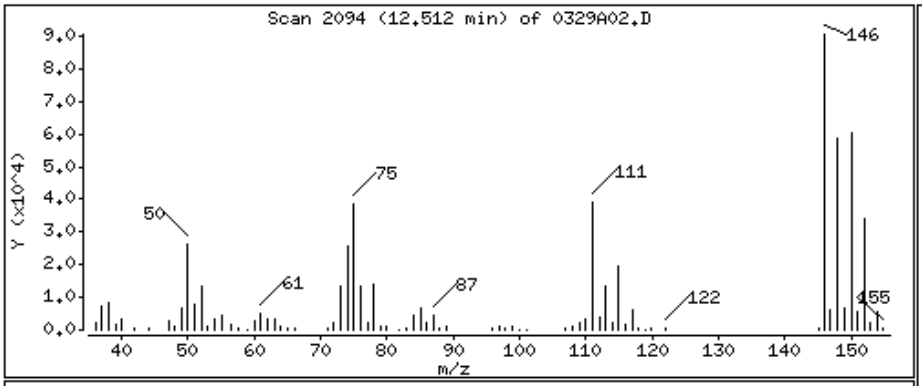
Operator: PD

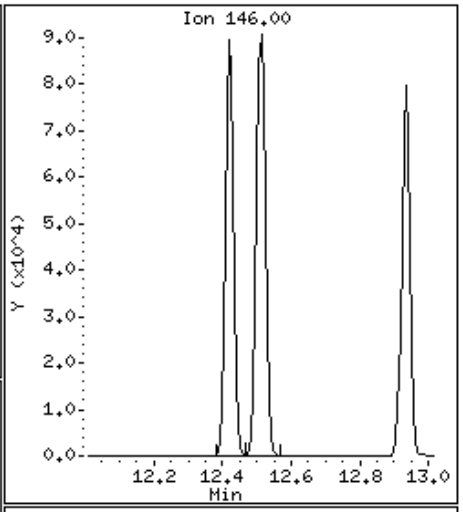
Column phase:

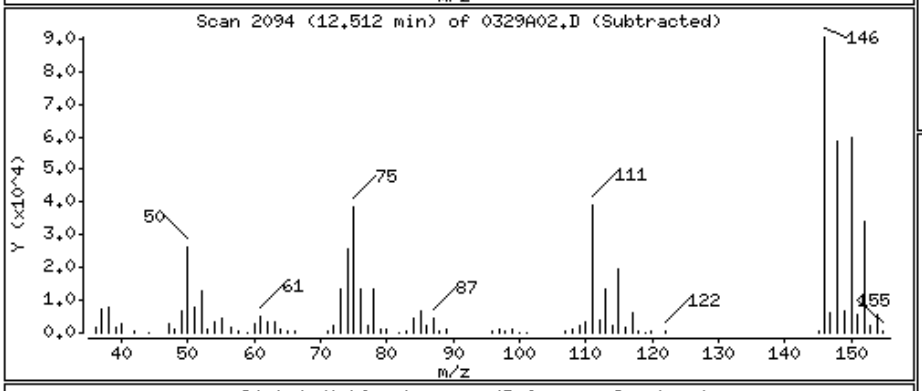
Column diameter: 0.18

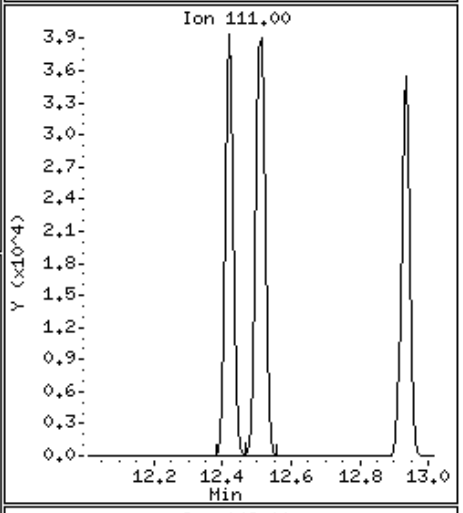
94 1,4-dichlorobenzene

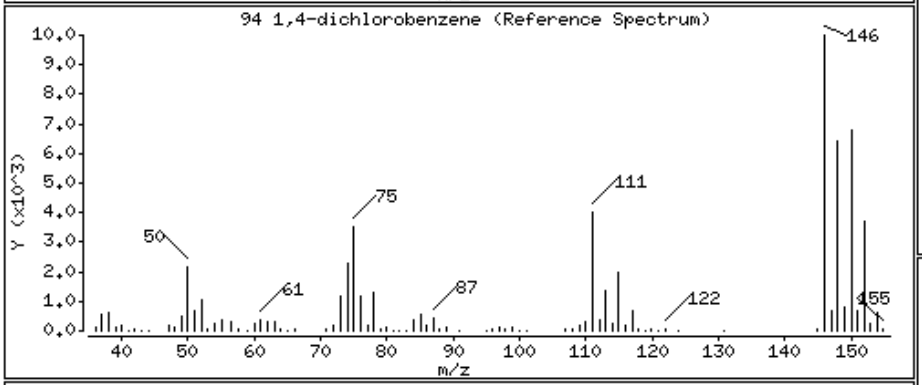
Concentration: 110.616 ngs

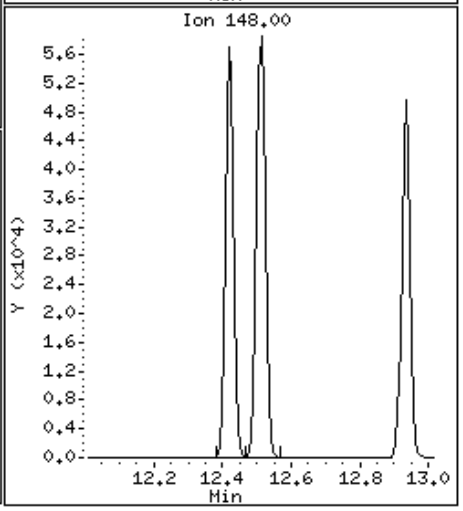


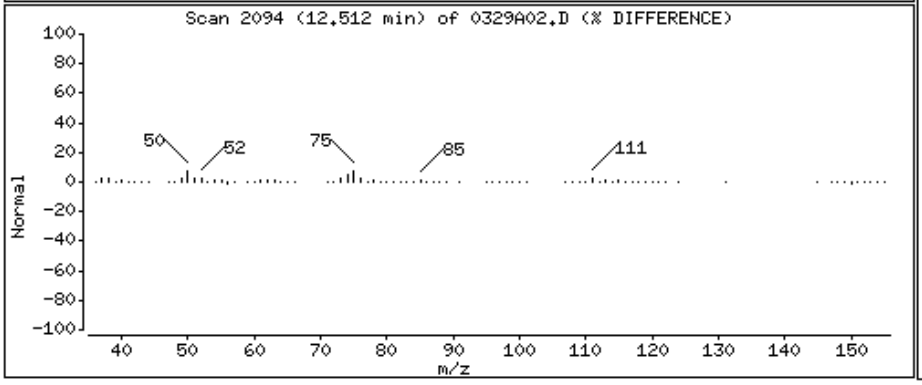












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

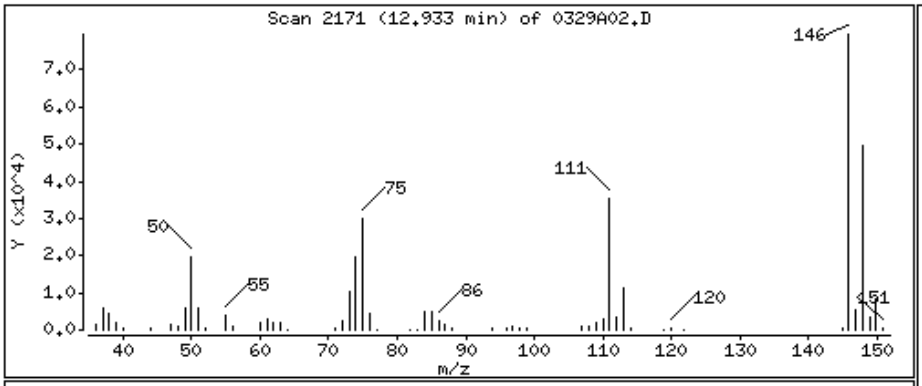
Operator: PD

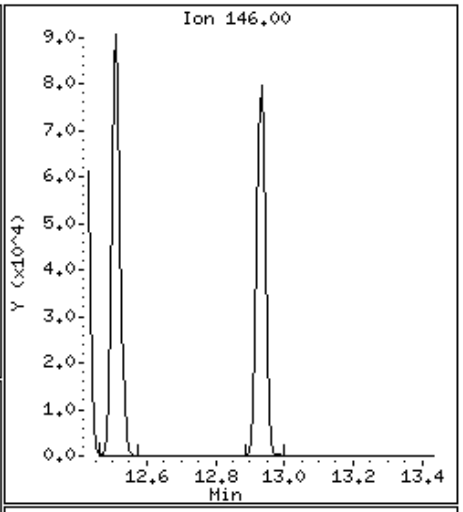
Column phase:

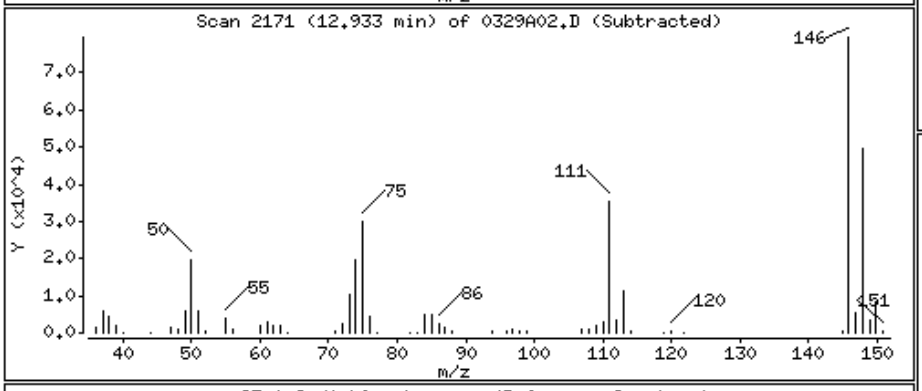
Column diameter: 0.18

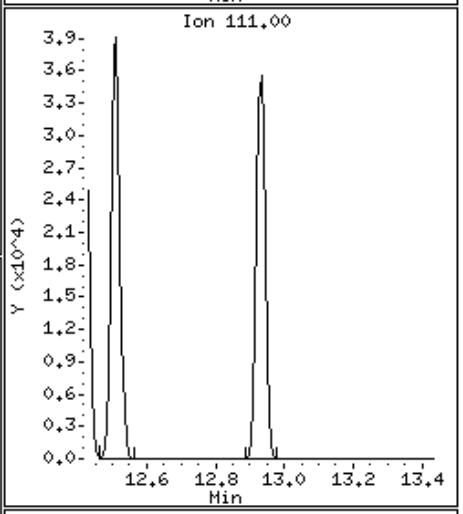
97 1,2-dichlorobenzene

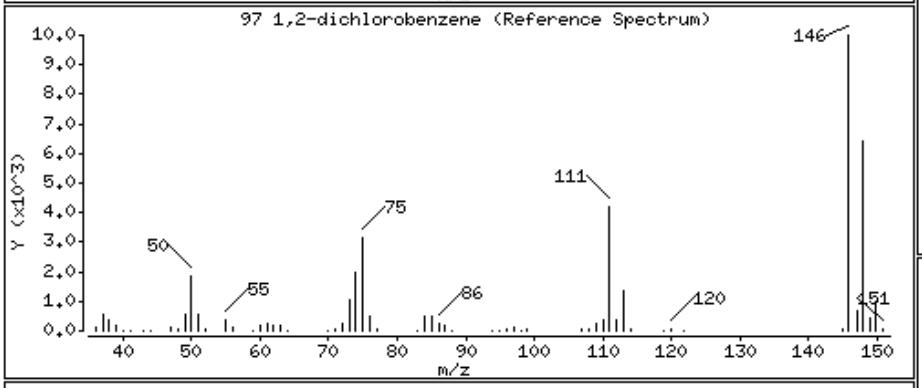
Concentration: 109.378 ngs

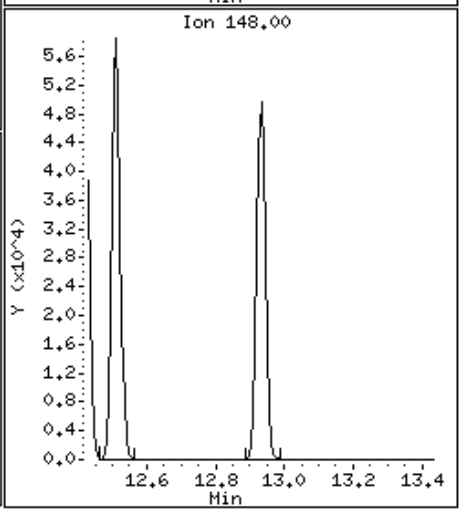


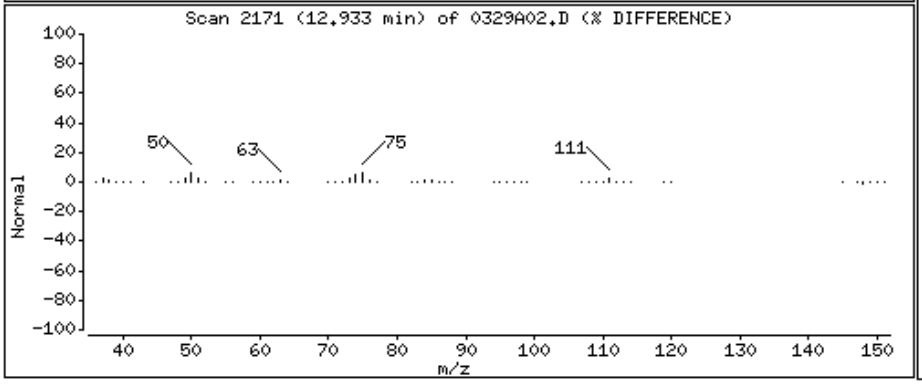












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

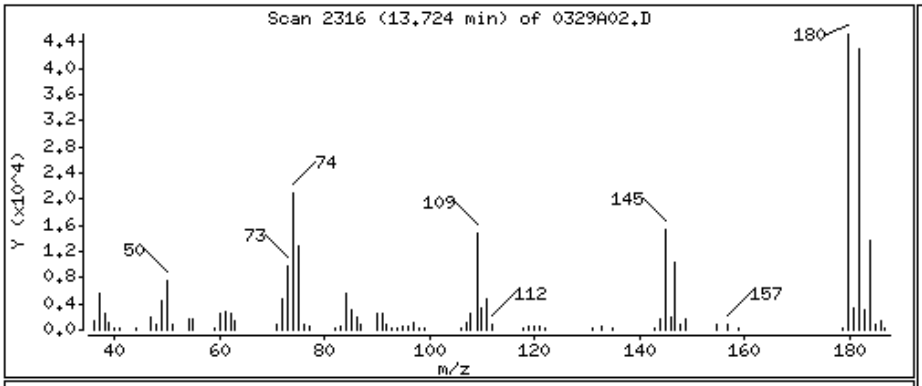
Operator: PD

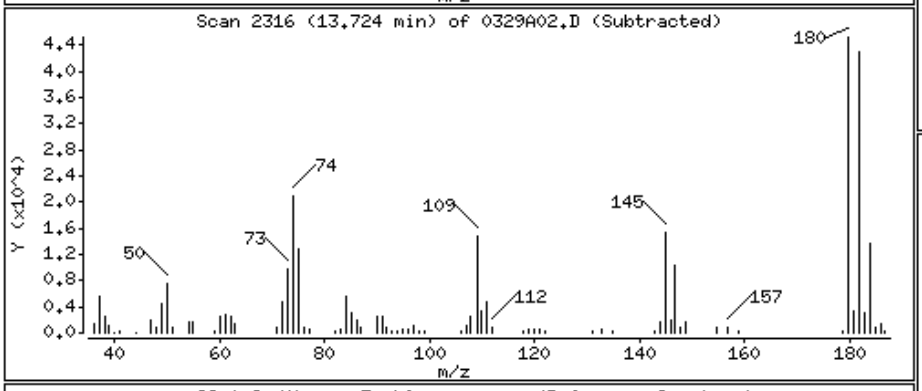
Column phase:

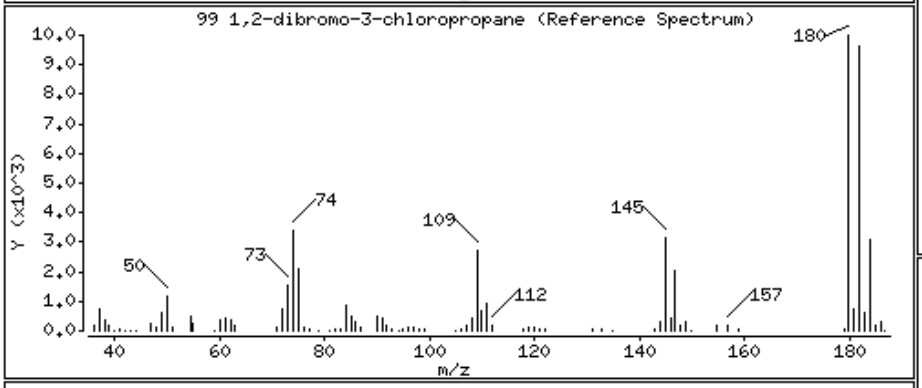
Column diameter: 0.18

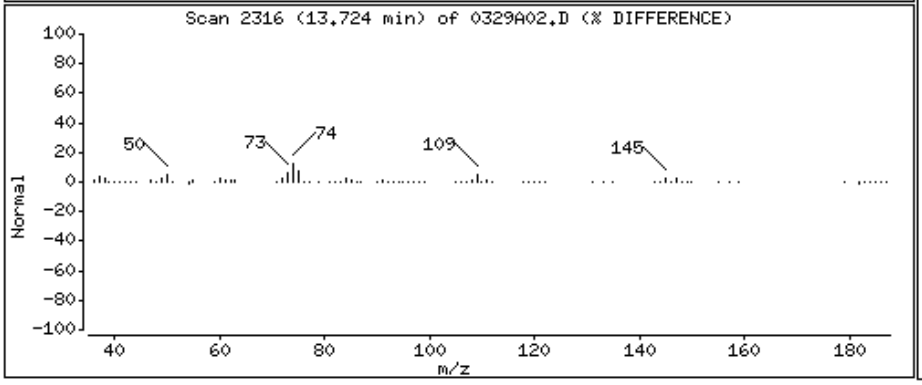
99 1,2-dibromo-3-chloropropane

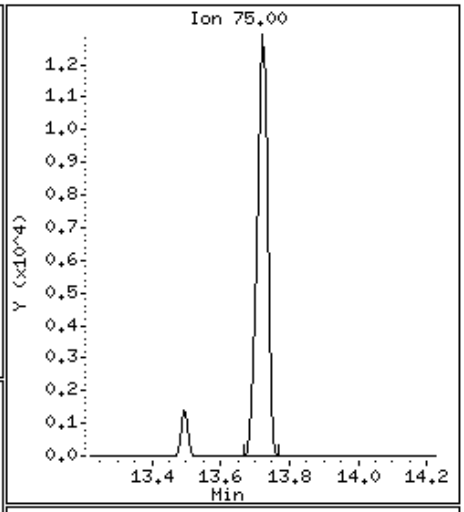
Concentration: 128.679 ngs

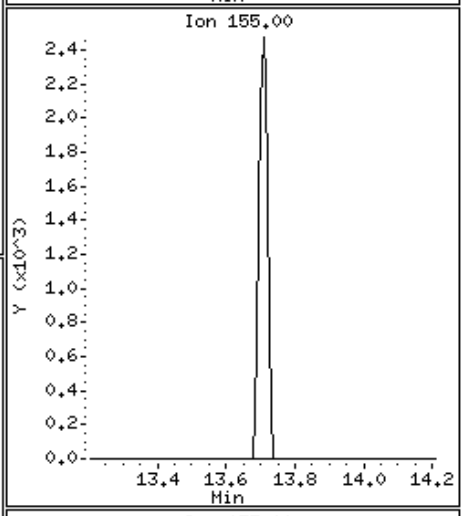


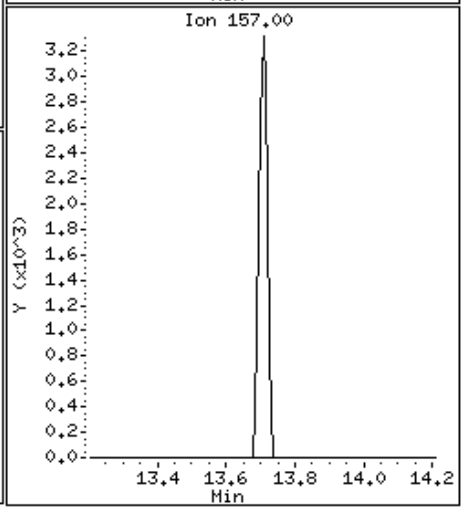












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

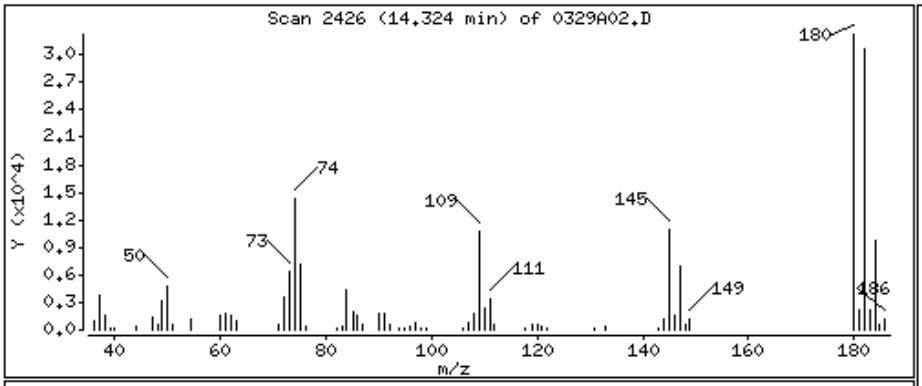
Operator: PD

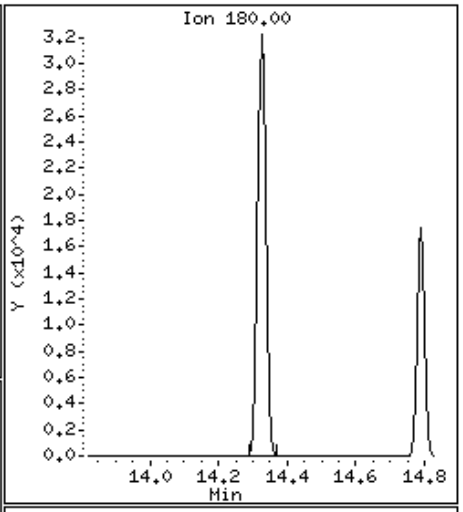
Column phase:

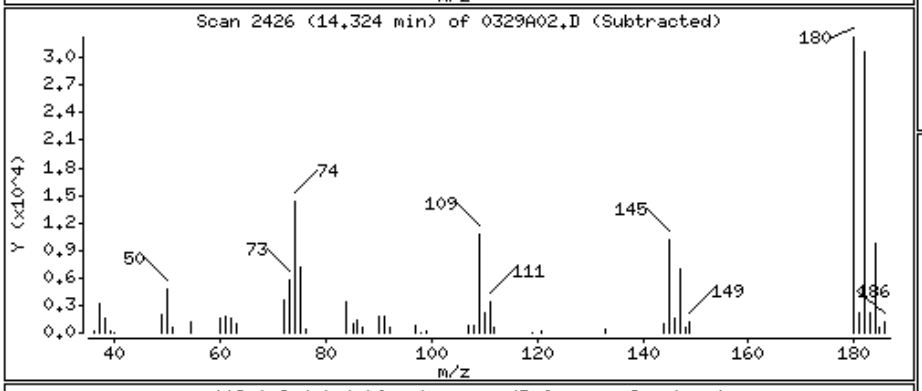
Column diameter: 0.18

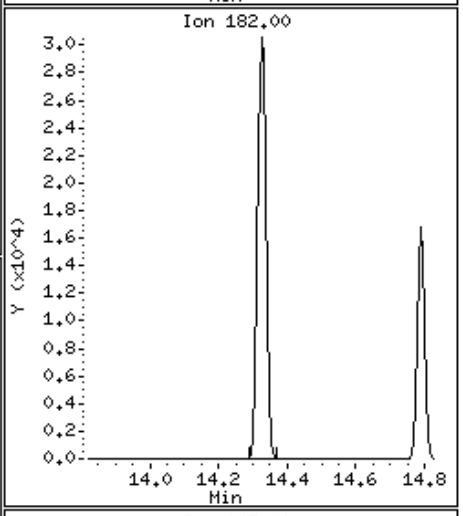
102 1,2,4-trichlorobenzene

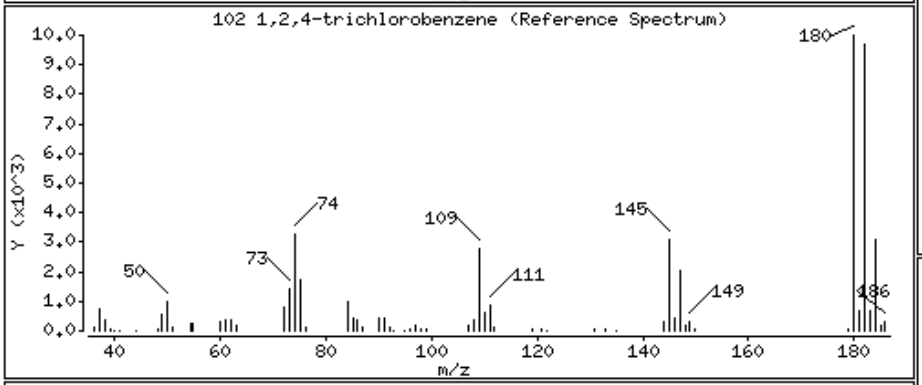
Concentration: 95.840 ngs

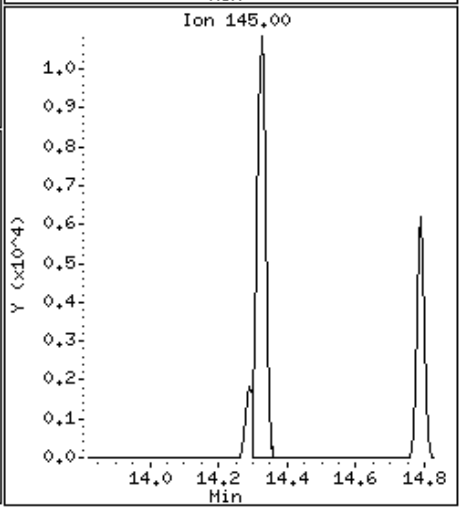


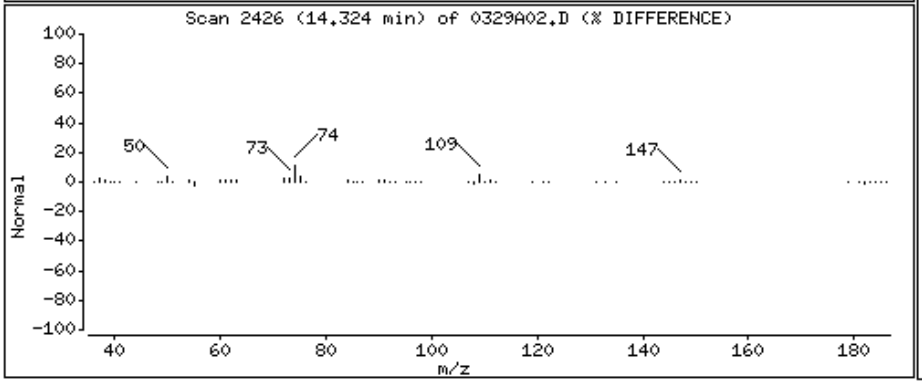












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A02.D

Date : 29-MAR-2016 09:24

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-3,31,10

Purge Volume: 10.0

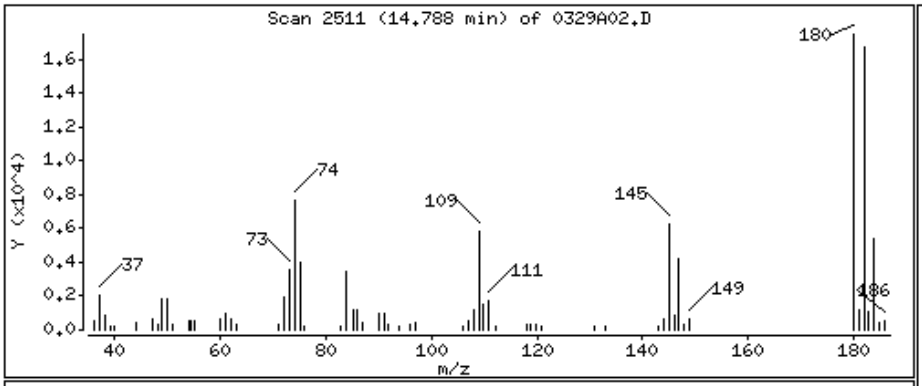
Operator: PD

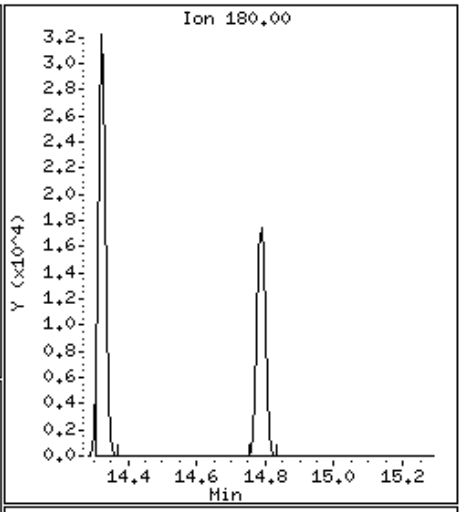
Column phase:

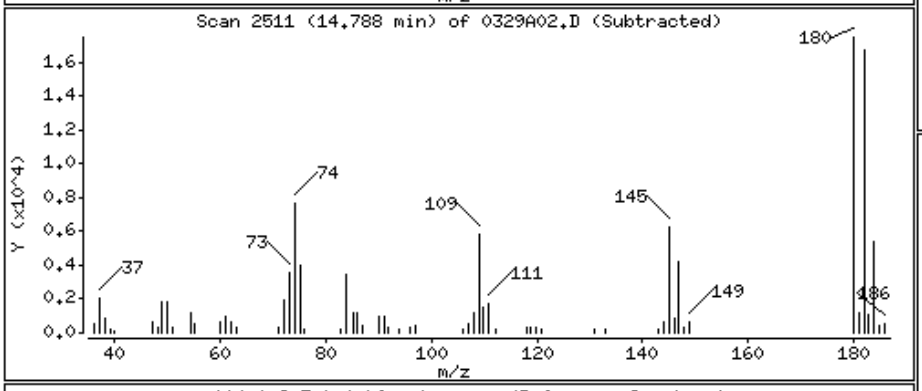
Column diameter: 0.18

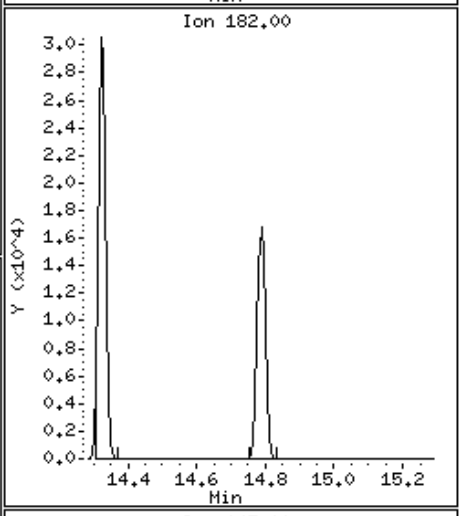
104 1,2,3-trichlorobenzene

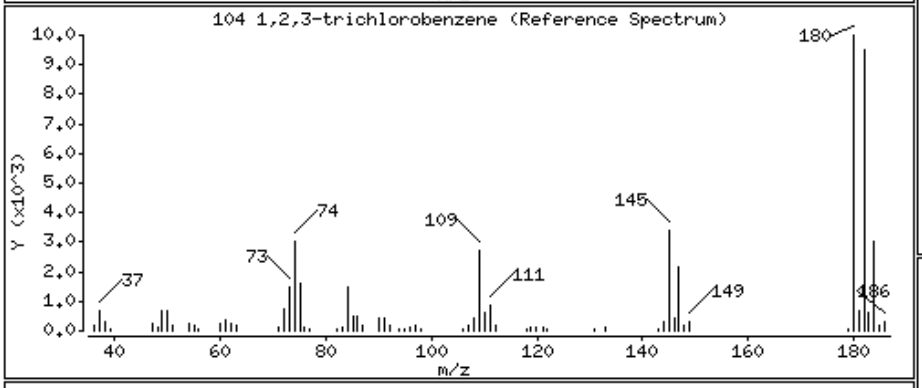
Concentration: 99.982 ngs

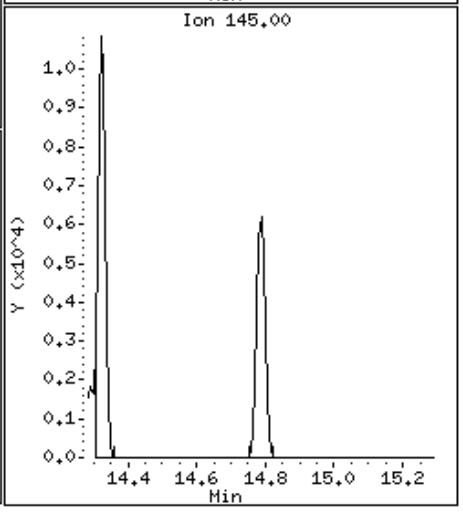


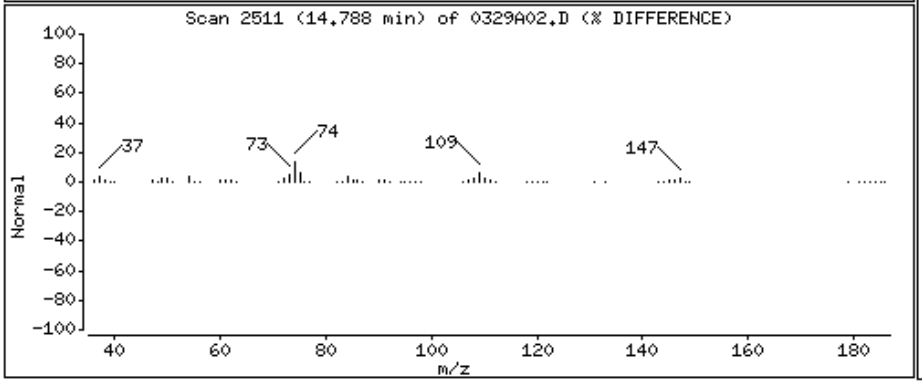












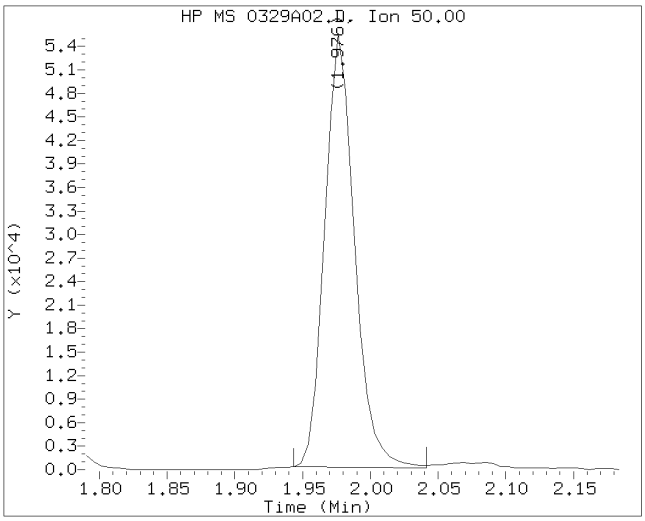
Alpha Analytical Labs

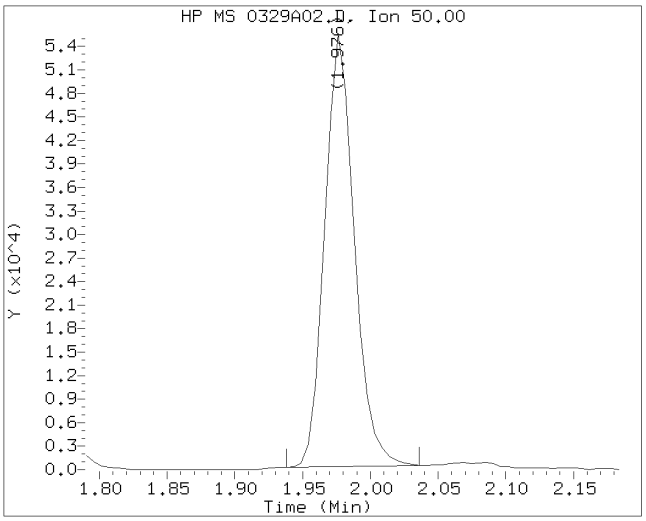
Manual Integration

Sample Info : wg878773-3,31,10
wg878773,ical12154

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0329A02.D
Injection Date : 29-MAR-2016 09:24
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: LCS

Compound # 2: chloromethane

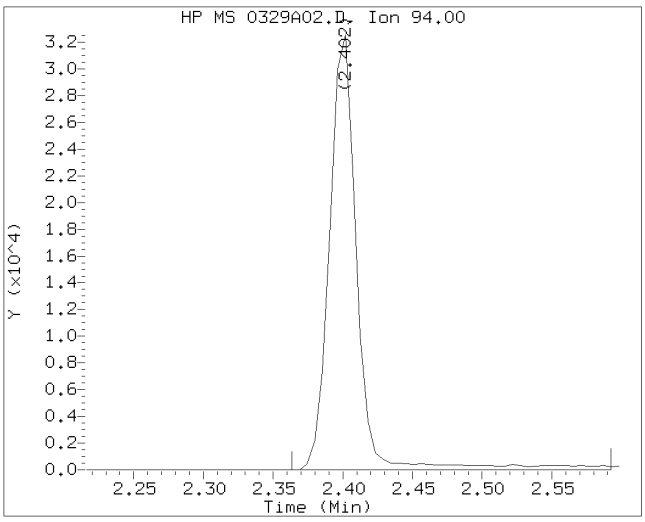


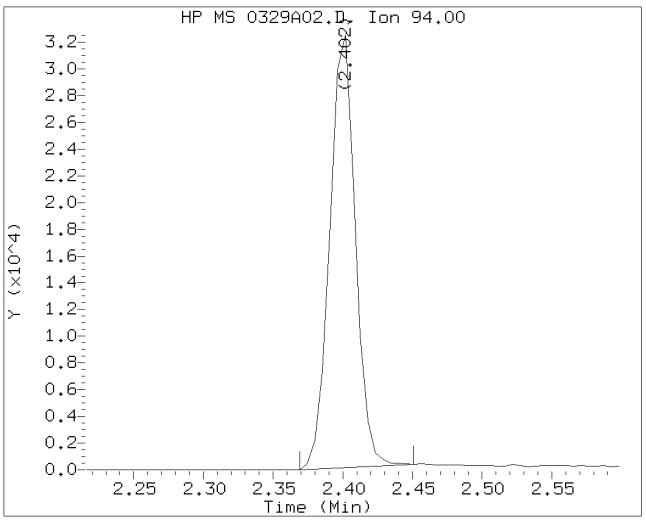


Original Peak Response = 84905 Manual Peak Response = 83904 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 4: bromomethane





Original Peak Response = 45588 Manual Peak Response = 41866 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

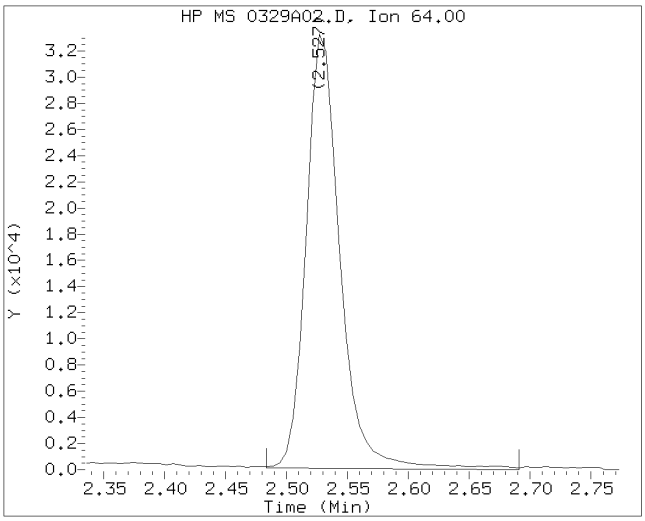
Alpha Analytical Labs

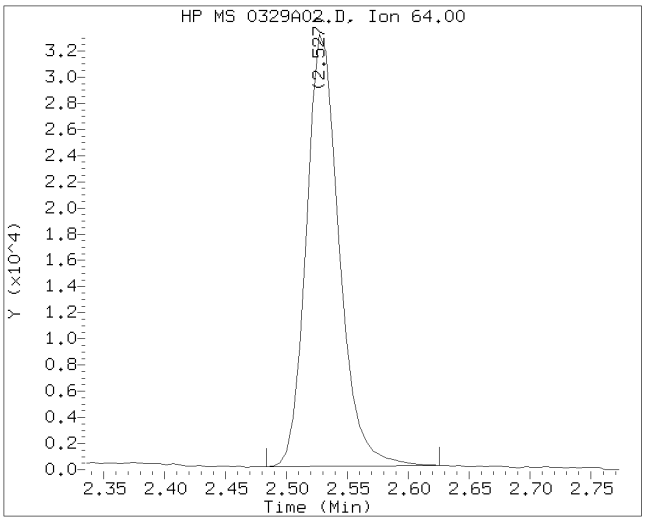
Manual Integration

Sample Info : wg878-1,31,10
wg878,ical12154

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0329A02.D
Injection Date : 29-MAR-2016 09:24
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: CCALIB_3

Compound # 5: chloroethane

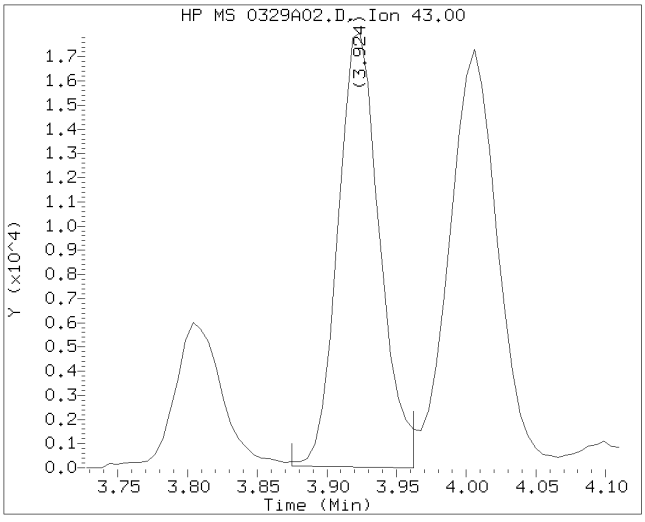


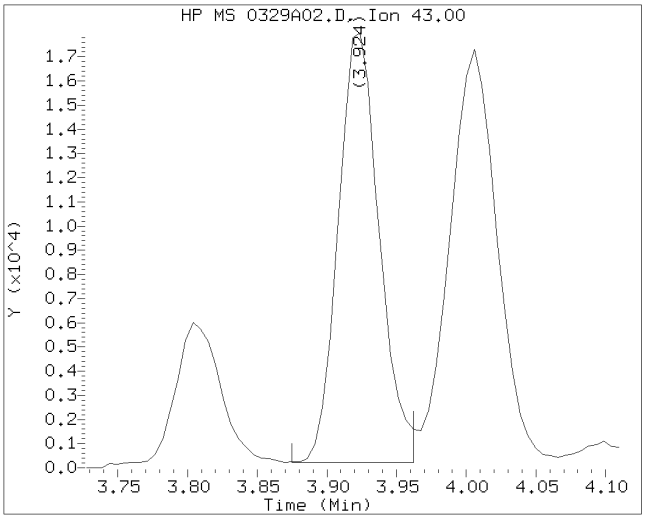


Original Peak Response = 64732 Manual Peak Response = 62328 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 15: Methyl Acetate





Original Peak Response = 37848 Manual Peak Response = 36769 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

LCS Duplicate Raw Data

Alpha Analytical Labs

gc/ms voa - VOA105

Data file : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D
Lab Smp Id:
Inj Date : 29-MAR-2016 09:48
Operator : PD Inst ID: Voa105.i
Smp Info : wg878773-4,31,10
Misc Info : wg878773,ical12154
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Meth Date : 30-Mar-2016 12:32 Voa105.i Quant Type: ISTD
Cal Date : 16-MAR-2016 00:29 Cal File: 0215N09.D
Als bottle: 3 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: newtcreek.sub
Target Version: 4.12
Processing Host: VIRTUALXP-76524

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	FINAL (ngs)	REVIEW CODE
	1 dichlorodifluoromethane	85	1.768	1.774	(0.281)	79351	98.8699	98.869	
	2 chloromethane	50	1.976	1.976	(0.314)	42274	59.3158	59.315(R)	
	3 vinyl chloride	62	2.057	2.063	(0.327)	94807	116.316	116.315	
	4 bromomethane	94	2.396	2.401	(0.381)	40527	108.973	108.973(M)	M1
	5 chloroethane	64	2.521	2.527	(0.400)	50326	143.884	143.884(RM)	M1
	6 trichlorofluoromethane	101	2.663	2.669	(0.423)	136628	126.711	126.711	
	8 1,1,-dichloroethene	96	3.176	3.181	(0.504)	70099	100.086	100.086	
	10 freon-113	101	3.214	3.220	(0.510)	76155	100.371	100.370	
	9 carbon disulfide	76	3.209	3.214	(0.510)	217143	101.460	101.459	
	11 methylene chloride	84	3.754	3.760	(0.596)	76951	110.009	110.009	
	13 acetone	43	3.804	3.803	(0.604)	14780	101.473	101.473	
	14 trans-1,2-dichloroethene	96	3.907	3.913	(0.621)	79327	102.130	102.130	
	15 Methyl Acetate	43	3.918	3.924	(0.622)	39692	128.065	128.064	
	16 methyl tert butyl ether	73	4.005	4.005	(0.636)	157381	99.5793	99.579	
	19 1,1-dichloroethane	63	4.507	4.513	(0.716)	174424	116.468	116.468	
	23 vinyl acetate	43	4.742	4.747	(0.753)	168685	139.186	139.185(R)	
	24 cis-1,2-dichloroethene	96	5.037	5.037	(0.800)	88352	104.368	104.367	
	27 bromochloromethane	128	5.233	5.233	(0.831)	35643	96.2056	96.205	
	26 Cyclohexane	56	5.222	5.228	(0.829)	169158	109.058	109.057	
	28 chloroform	83	5.299	5.304	(0.841)	157264	113.098	113.098	
	30 carbontetrachloride	117	5.430	5.435	(0.862)	106092	90.1429	90.142	
$	32 dibromofluoromethane	113	5.484	5.484	(0.871)	124079	97.5214	97.521	
	33 1,1,1-trichloroethane	97	5.500	5.506	(0.874)	130742	100.444	100.443	
	34 2-butanone	43	5.604	5.604	(0.890)	25518	118.577	118.577	
	36 benzene	78	5.877	5.877	(0.933)	345874	107.673	107.672	
$	38 1,2-dichloroethane-d4	65	6.019	6.024	(0.956)	150883	112.145	112.144	
	39 1,2-dichloroethane	62	6.090	6.090	(0.967)	116444	121.079	121.078	
*	41 flourobenzene	96	6.297	6.303	(1.000)	488216	100.000		

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ngs)	CONCENTRATIONS FINAL (ngs)	REVIEW CODE
	42 methyl cyclohexane	83	6.455	6.455	(1.025)	136718	98.9905	98.990	
	43 trichloroethene	95	6.472	6.472	(1.028)	90630	105.303	105.303	
	46 1,2-dichloropropane	63	7.034	7.034	(1.117)	92060	115.162	115.162	
	47 bromodichloromethane	83	7.099	7.099	(1.127)	107869	107.078	107.077	
	52 cis-1,3-dichloropropene	75	7.792	7.792	(1.237)	120095	100.817	100.816	
$	53 toluene-d8	98	7.999	7.999	(0.811)	473986	106.109	106.109	
	54 toluene	92	8.059	8.059	(0.817)	212593	97.0859	97.085	
	56 4-methyl-2-pentanone	58	8.501	8.501	(1.350)	16281	104.722	104.722	
	55 tetrachloroethene	166	8.501	8.501	(0.862)	77456	92.7858	92.785	
	57 trans-1,3-dichloropropene	75	8.545	8.551	(0.867)	95788	105.385	105.384	
	60 1,1,2-trichloroethane	83	8.736	8.736	(0.886)	49342	122.023	122.023	
	61 chlorodibromomethane	129	8.949	8.949	(0.908)	60748	87.5056	87.505	
	64 1,2-dibromoethane	107	9.233	9.233	(0.936)	52639	109.709	109.709	
	65 2-hexanone	43	9.516	9.511	(0.965)	29968	107.077	107.076	
*	66 chlorobenzene-d5	117	9.860	9.855	(1.000)	358333	100.000		
	67 chlorobenzene	112	9.876	9.882	(1.002)	229262	108.297	108.296	
	68 ethyl benzene	91	9.909	9.909	(1.005)	419142	112.563	112.562	
	70 p/m xylene	106	10.095	10.095	(1.024)	310619	218.941	218.941	
	71 o xylene	106	10.619	10.619	(1.077)	292113	218.030	218.029	
	72 styrene	104	10.684	10.684	(1.084)	479838	222.346	222.346	
	73 bromoform	173	10.717	10.717	(0.858)	26572	82.6892	82.689	
	74 isopropylbenzene	105	10.984	10.990	(0.879)	385396	114.536	114.536	
$	75 4-bromofluorobenzene	95	11.311	11.311	(0.905)	182412	111.755	111.755	
	79 1,1,2,2,-tetrachloroethane	83	11.546	11.546	(0.924)	58124	130.560	130.560(R)	
	92 1,3-dichlorobenzene	146	12.419	12.419	(0.994)	150015	106.773	106.773	
*	93 1,4-dichlorobenzene-d4	152	12.496	12.495	(1.000)	157680	100.000		
	94 1,4-dichlorobenzene	146	12.512	12.512	(1.001)	150953	108.890	108.890	
	97 1,2-dichlorobenzene	146	12.932	12.932	(1.035)	125853	107.257	107.257	
	99 1,2-dibromo-3-chloropropane	75	13.723	13.723	(1.098)	24458	126.605	126.605	
	102 1,2,4-trichlorobenzene	180	14.323	14.323	(1.146)	49131	96.1161	96.116	
	104 1,2,3-trichlorobenzene	180	14.787	14.787	(1.183)	28295	103.760	103.760	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Voa105.i
Lab File ID: 0329A03.D
Lab Smp Id:
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Misc Info: wg878773,ical12154

Calibration Date: 29-MAR-2016
Calibration Time: 09:24
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 3

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	477691	238846	955382	488216	2.20
66 chlorobenzene-d5	352765	176383	705530	358333	1.58
93 1,4-dichlorobenze	156045	78023	312090	157680	1.05

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
41 flourobenzene	6.30	5.80	6.80	6.30	-0.09
66 chlorobenzene-d5	9.86	9.36	10.36	9.86	0.06
93 1,4-dichlorobenze	12.50	12.00	13.00	12.50	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

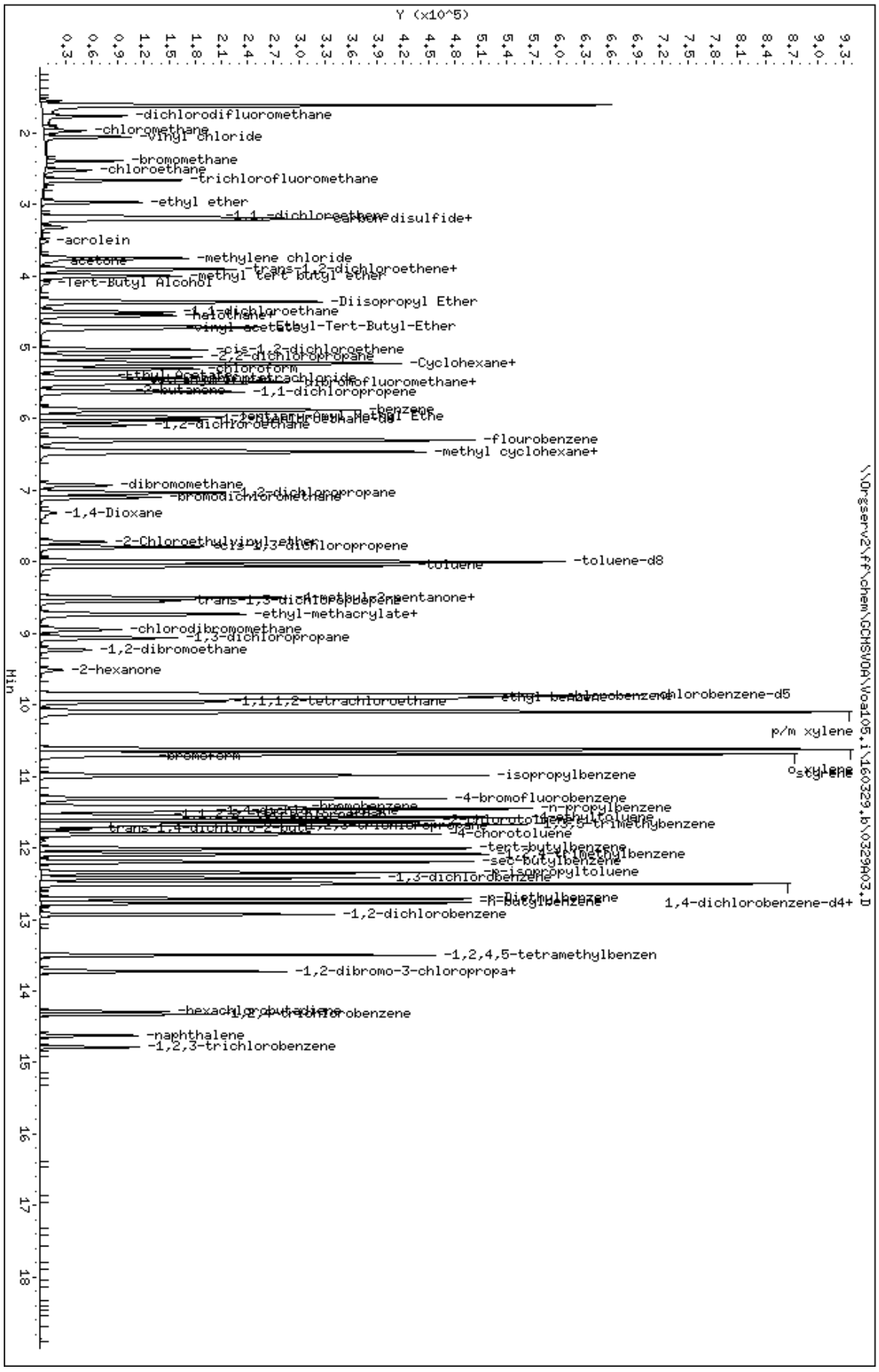
RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: LCSD
SpikeList File: newtcreek.spk Quant Type: ISTD
Sublist File: newtcreek.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\liq8260B.m
Misc Info: wg878773,ical12154

SPIKE	COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
1	dichlorodifluorome	100.000	98.869	98.87	36-147
2	chloromethane	100.000	59.315	59.32*	64-130
3	vinyl chloride	100.000	116.315	116.32	55-140
4	bromomethane	100.000	108.973	108.97	39-139
5	chloroethane	100.000	143.884	143.88*	55-138
6	trichlorofluoromet	100.000	126.711	126.71	62-150
8	1,1,-dichloroethen	100.000	100.086	100.09	61-145
9	carbon disulfide	100.000	101.459	101.46	51-121
10	freon-113	100.000	100.370	100.37	70-130
11	methylene chloride	100.000	110.009	110.01	74-121
13	acetone	100.000	101.473	101.47	58-148
14	trans-1,2-dichloro	100.000	102.130	102.13	75-125
15	Methyl Acetate	100.000	128.064	128.06	70-130
16	methyl tert butyl	100.000	99.579	99.58	63-112
19	1,1-dichloroethane	100.000	116.468	116.47	73-119
23	vinyl acetate	100.000	139.185	139.19*	83-124
24	cis-1,2-dichloroet	100.000	104.367	104.37	75-125
27	bromochloromethane	100.000	96.205	96.21	74-123
26	Cyclohexane	100.000	109.057	109.06	70-130
28	chloroform	100.000	113.098	113.10	75-125
30	carbontetrachlorid	100.000	90.142	90.14	63-132
33	1,1,1-trichloroeth	100.000	100.443	100.44	67-123
34	2-butanone	100.000	118.577	118.58	63-138
36	benzene	100.000	107.672	107.67	76-127
39	1,2-dichloroethane	100.000	121.078	121.08	71-125
43	trichloroethene	100.000	105.303	105.30	71-120
42	methyl cyclohexane	100.000	98.990	98.99	70-130
46	1,2-dichloropropan	100.000	115.162	115.16	70-120
47	bromodichlorometha	100.000	107.077	107.08	67-121
52	cis-1,3-dichloropr	100.000	100.816	100.82	75-125
54	toluene	100.000	97.085	97.09	76-125
56	4-methyl-2-pentano	100.000	104.722	104.72	59-126
55	tetrachloroethene	100.000	92.785	92.79	70-130
57	trans-1,3-dichloro	100.000	105.384	105.38	75-125
60	1,1,2-trichloroeth	100.000	122.023	122.02	70-125
61	chlorodibromometha	100.000	87.505	87.51	63-119
64	1,2-dibromoethane	100.000	109.709	109.71	70-119
65	2-hexanone	100.000	107.076	107.08	57-128
67	chlorobenzene	100.000	108.296	108.30	75-130
68	ethyl benzene	100.000	112.562	112.56	79-118

SPIKE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
70 p/m xylene	200.000	218.941	109.47	75-125
71 o xylene	200.000	218.029	109.01	75-125
72 styrene	200.000	222.346	111.17	70-122
73 bromoform	100.000	82.689	82.69	54-136
74 isopropylbenzene	100.000	114.536	114.54	73-122
79 1,1,2,2,-tetrachlo	100.000	130.560	130.56*	67-124
92 1,3-dichlorobenzen	100.000	106.773	106.77	75-125
94 1,4-dichlorobenzen	100.000	108.890	108.89	75-125
97 1,2-dichlorobenzen	100.000	107.257	107.26	75-125
99 1,2-dibromo-3-chlo	100.000	126.605	126.61	41-144
102 1,2,4-trichloroben	100.000	96.116	96.12	75-125
104 1,2,3-trichloroben	100.000	103.760	103.76	75-125

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
$ 32 dibromofluorometha	100.000	97.521	97.52	70-130
$ 38 1,2-dichloroethane	100.000	112.144	112.14	70-130
$ 53 toluene-d8	100.000	106.109	106.11	70-130
$ 75 4-bromofluorobenze	100.000	111.755	111.76	70-130



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Date : 29-MAR-2016 09:48
Client ID:
Sample Info: ug878773-4,31,10
Purge Volume: 10.0
Column phase:
Instrument: Voa105,i
Operator: PD
Column diameter: 0.18

Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

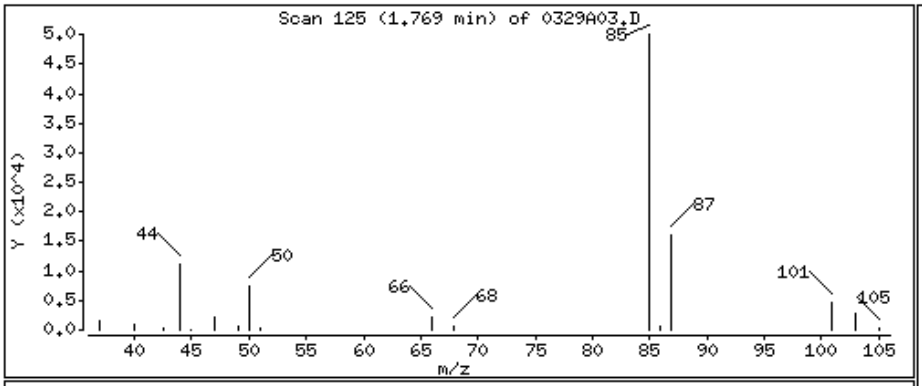
Operator: PD

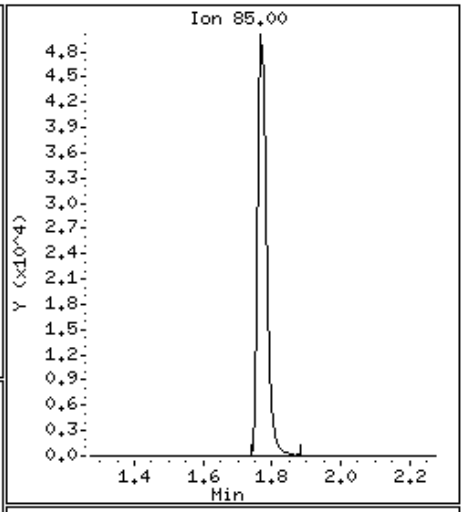
Column phase:

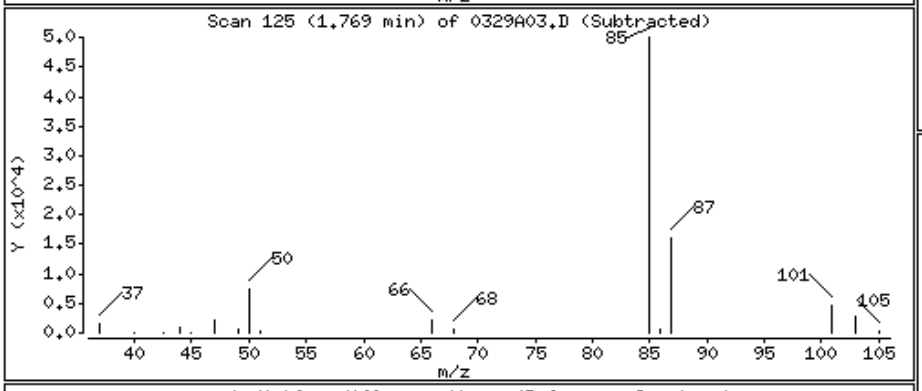
Column diameter: 0.18

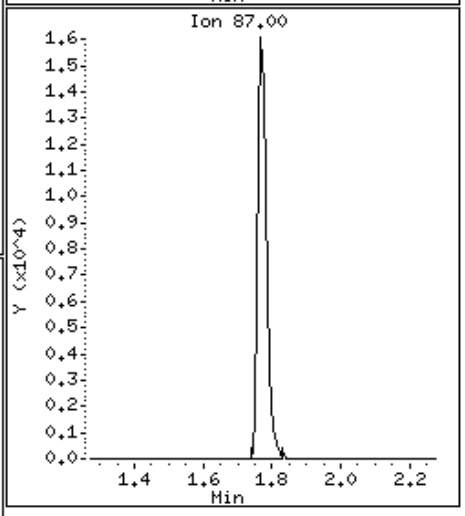
1 dichlorodifluoromethane

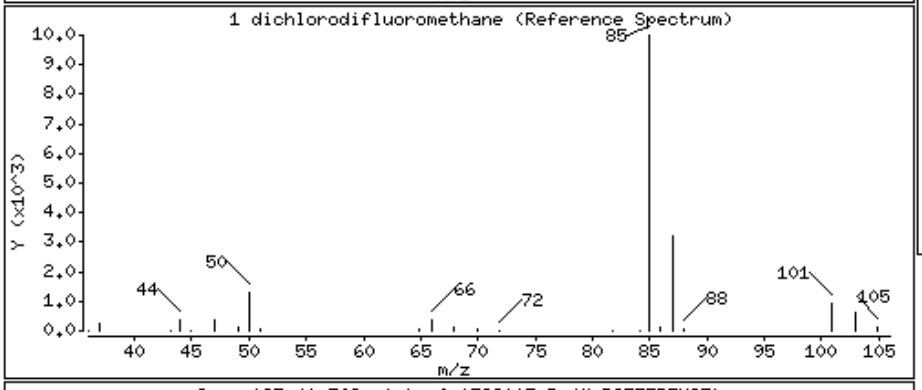
Concentration: 98.869 ngs

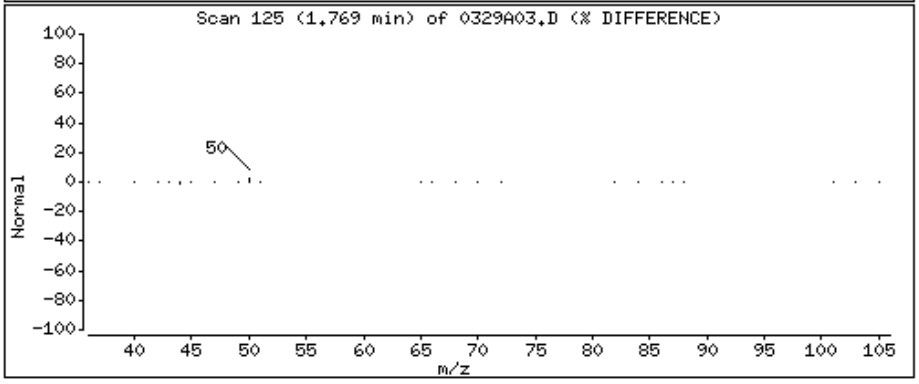












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

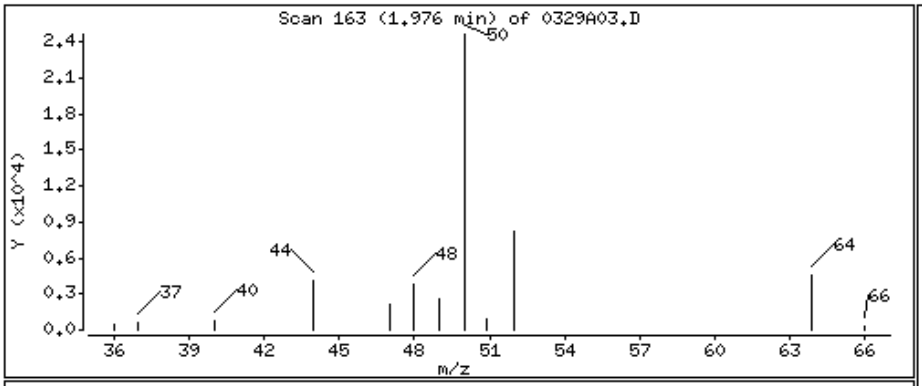
Operator: PD

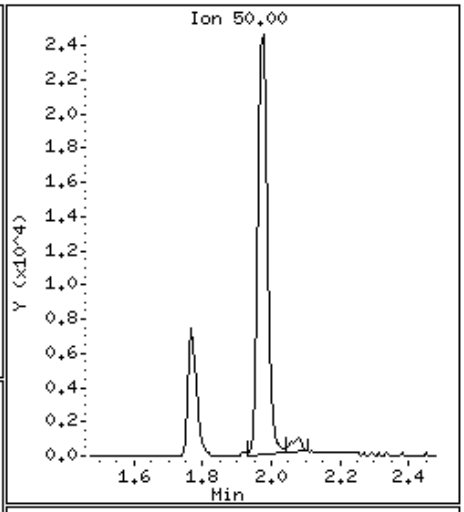
Column phase:

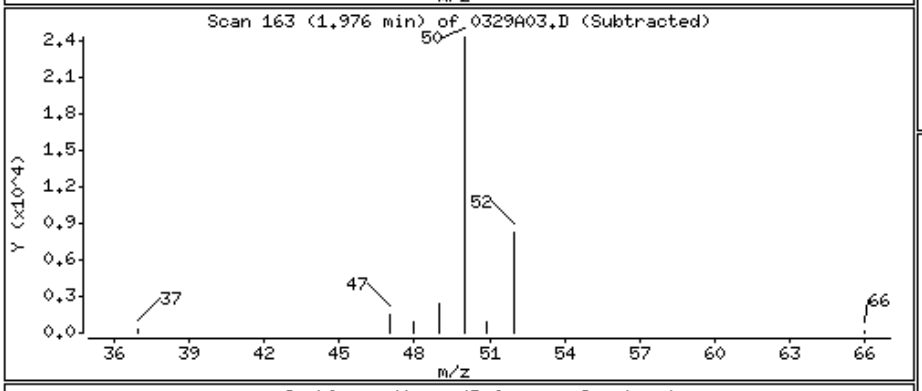
Column diameter: 0.18

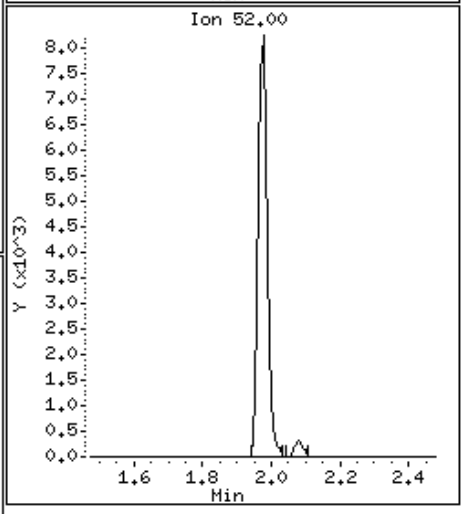
2 chloromethane

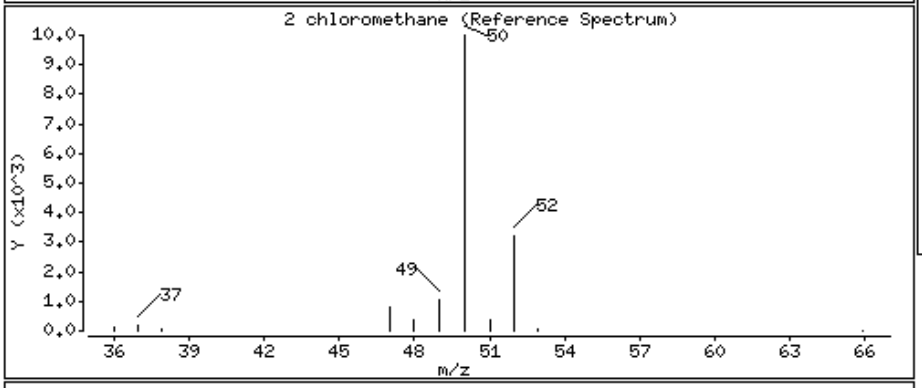
Concentration: 59.315 ngs

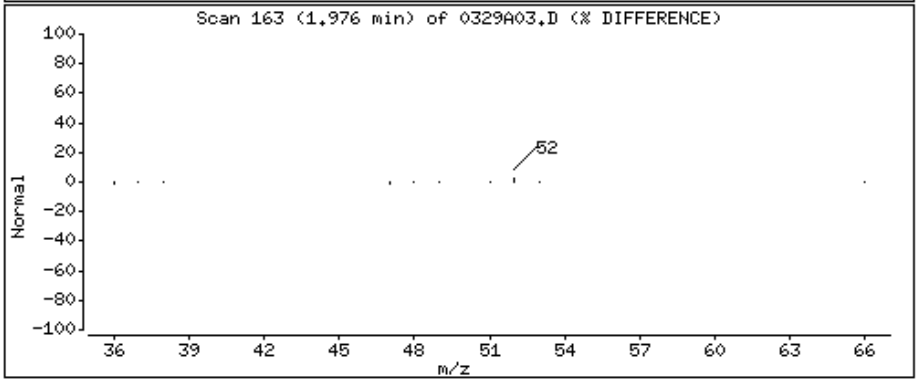












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

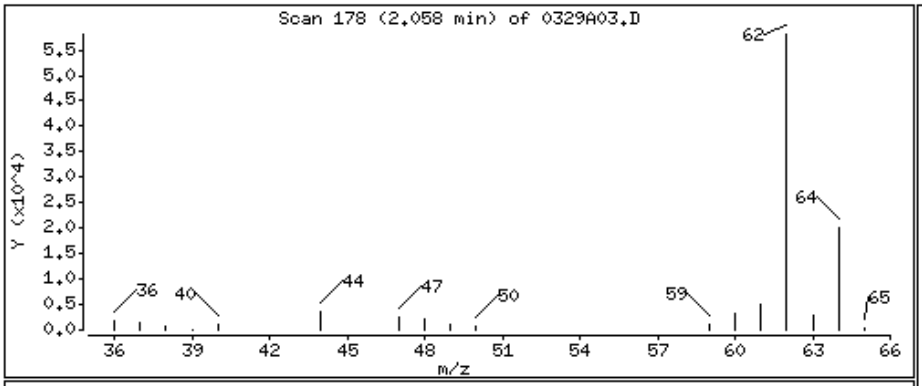
Operator: PD

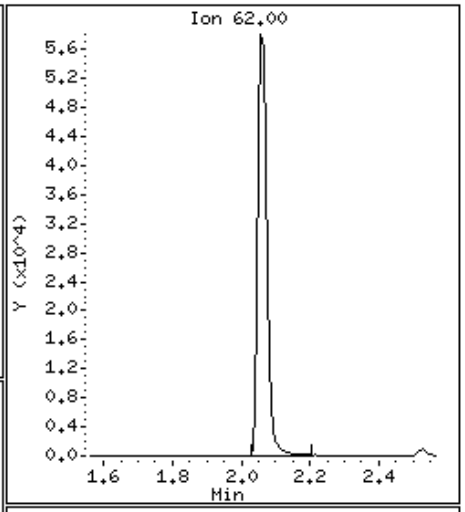
Column phase:

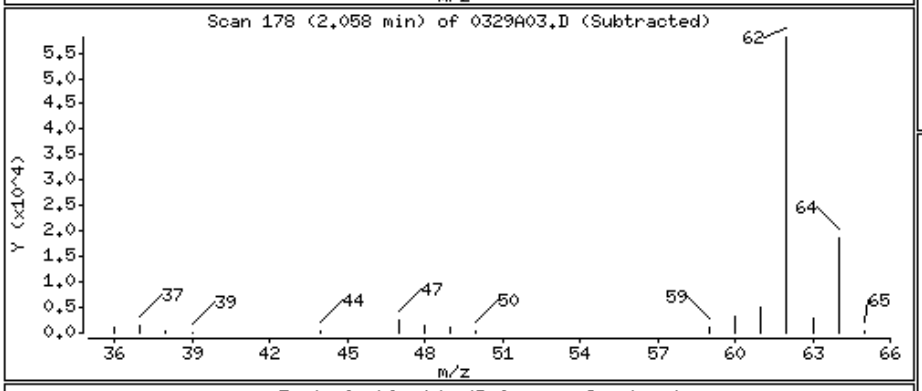
Column diameter: 0.18

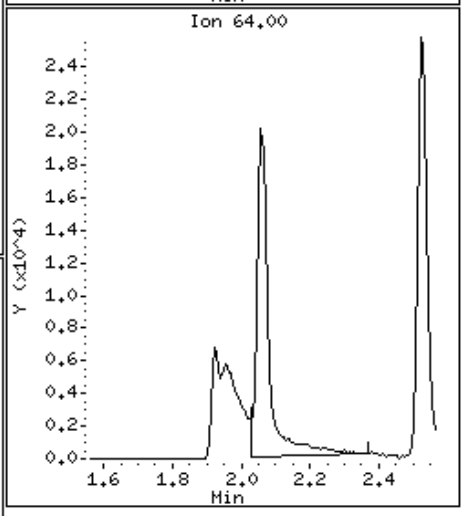
3 vinyl chloride

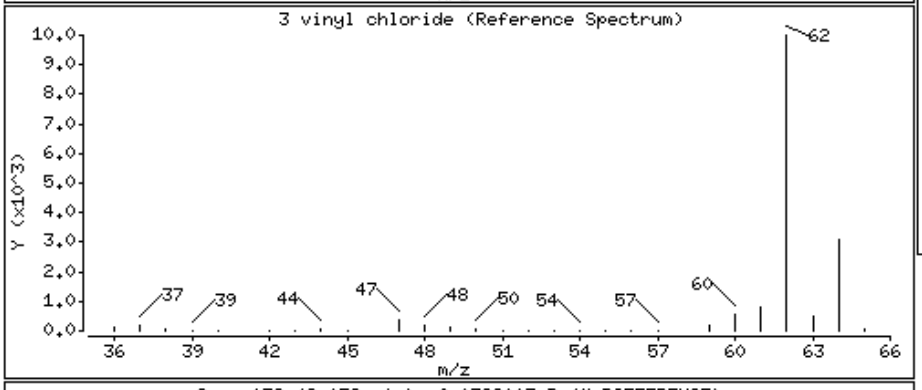
Concentration: 116.315 ngs

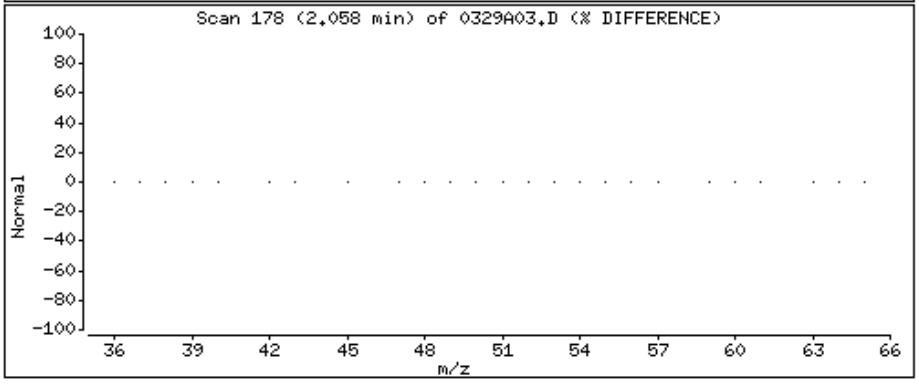












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

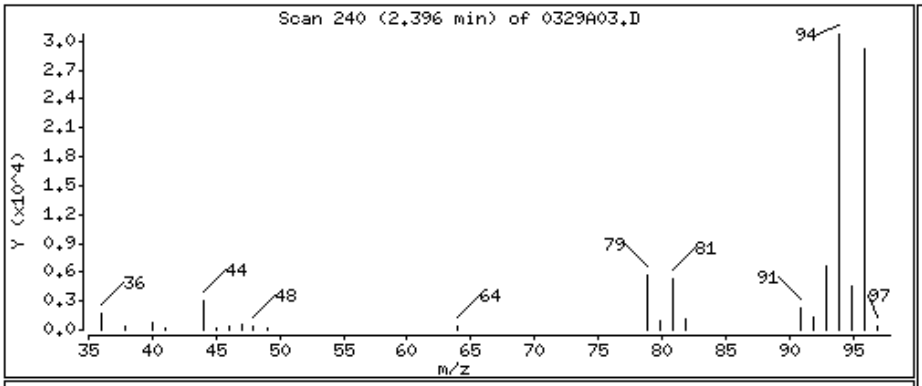
Operator: PD

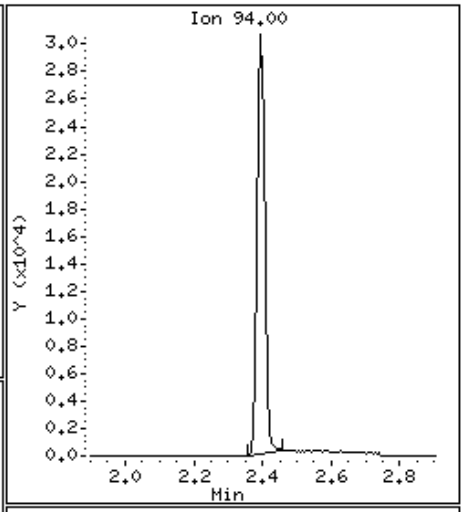
Column phase:

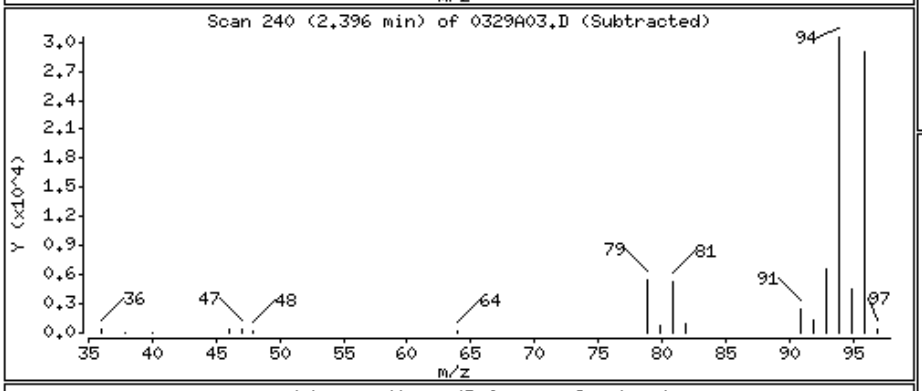
Column diameter: 0.18

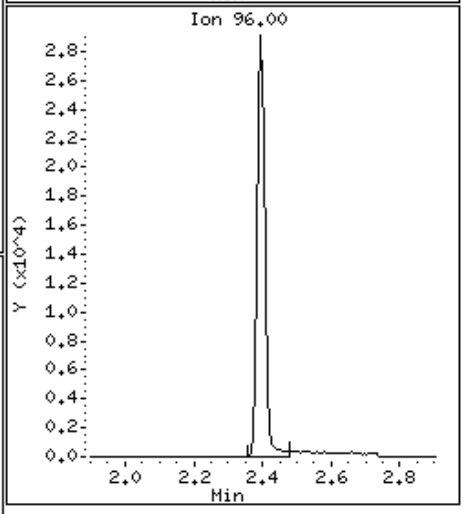
4 bromomethane

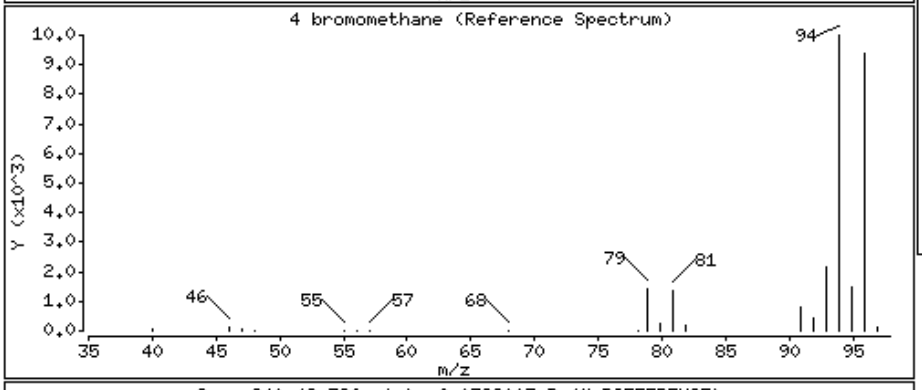
Concentration: 108.973 ngs

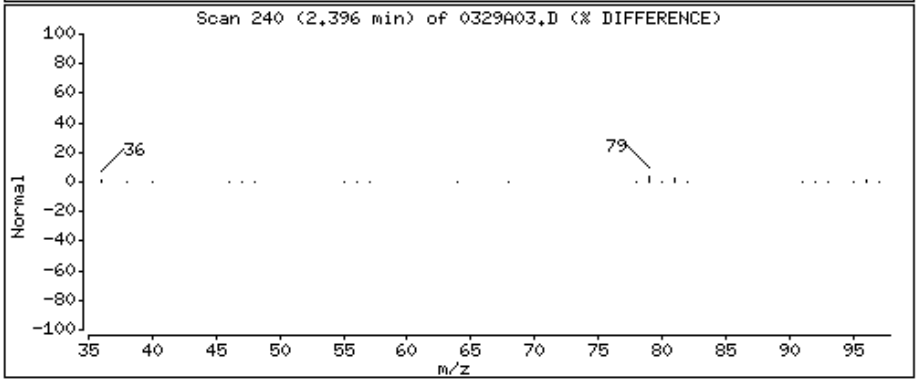












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

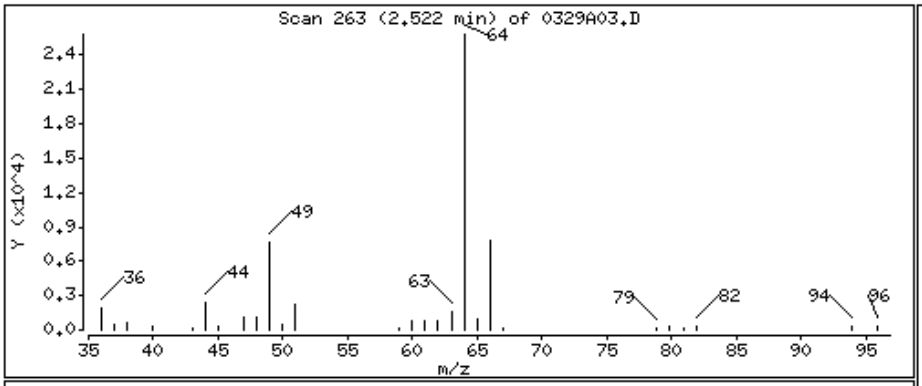
Operator: PD

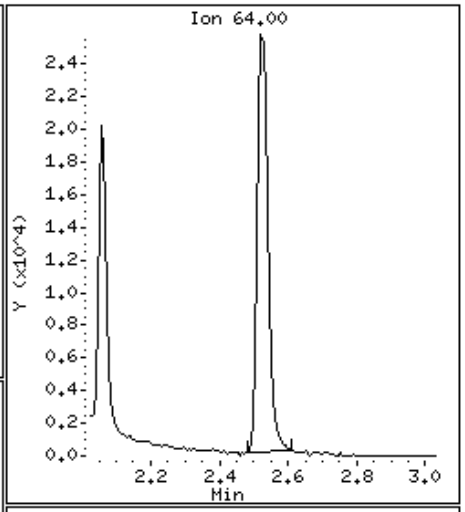
Column phase:

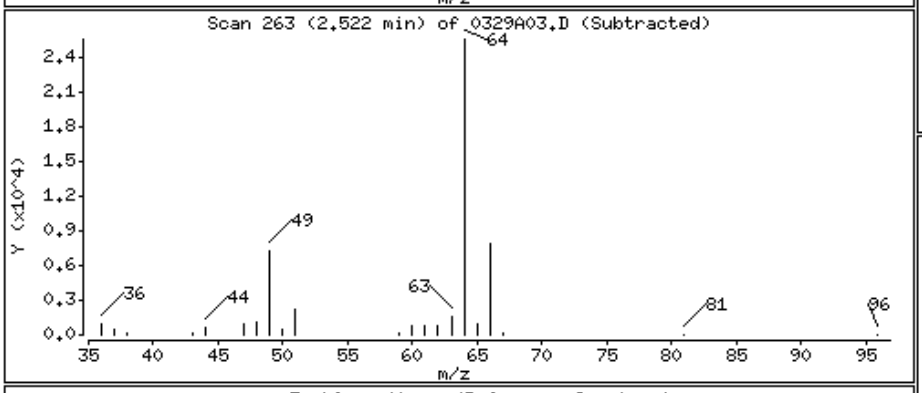
Column diameter: 0.18

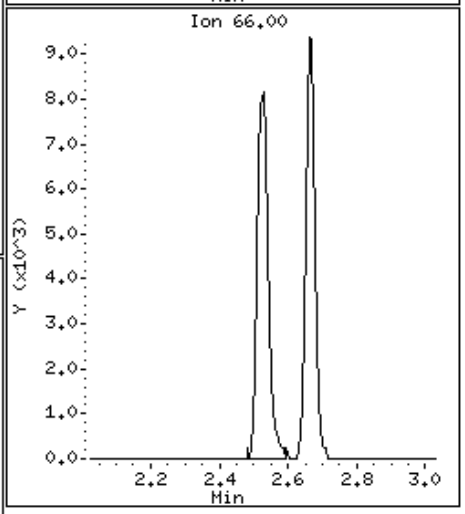
5 chloroethane

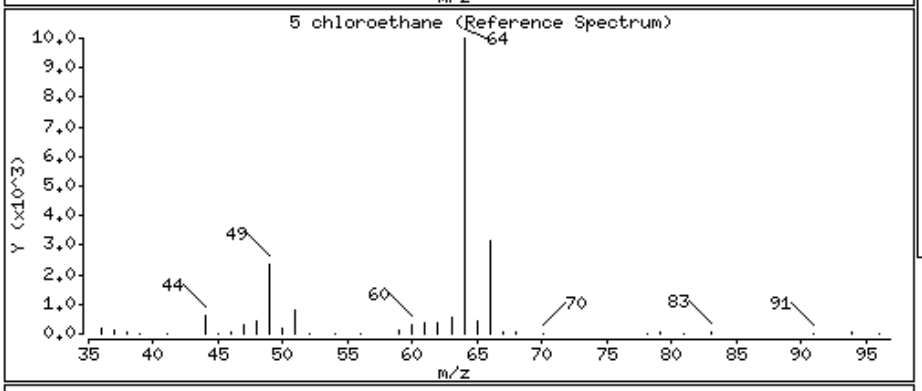
Concentration: 143.884 ngs

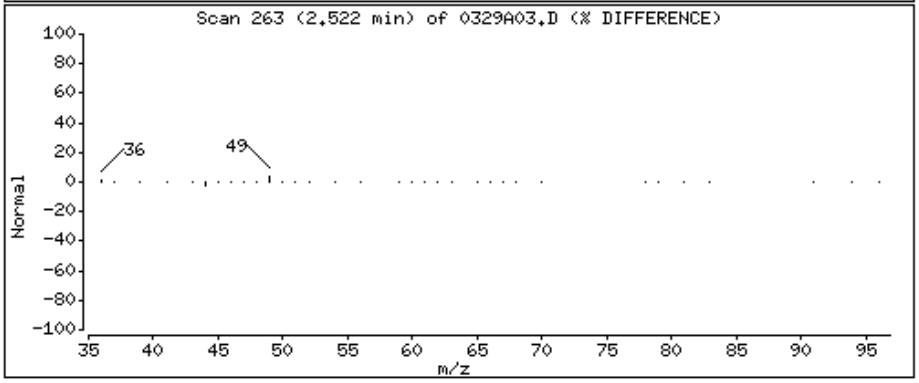












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

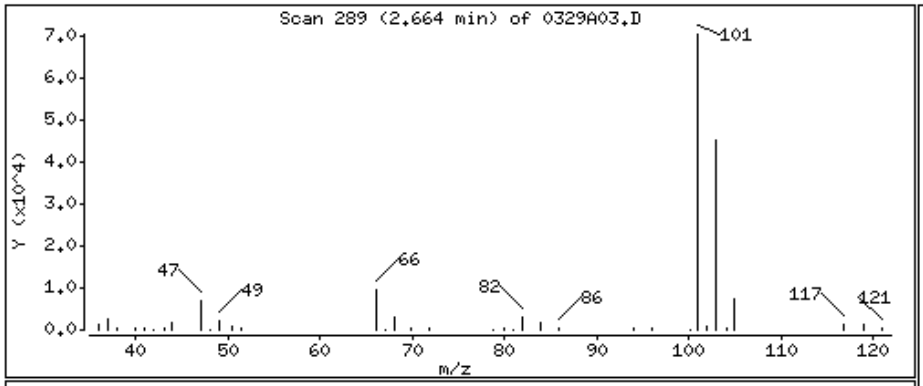
Operator: PD

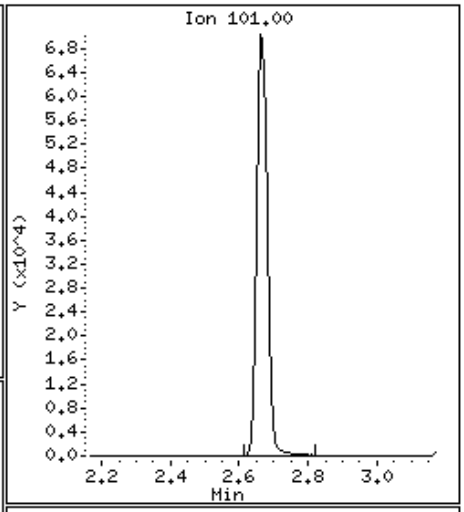
Column phase:

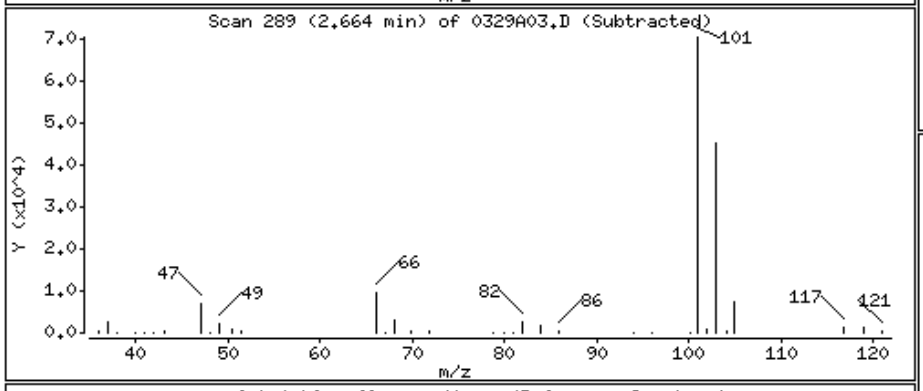
Column diameter: 0.18

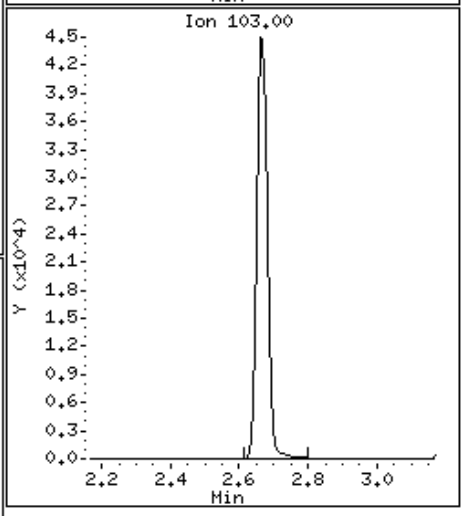
6 trichlorofluoromethane

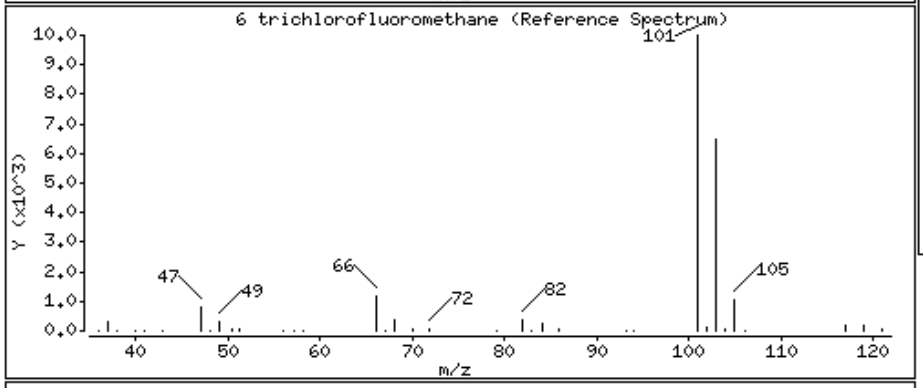
Concentration: 126.711 ngs

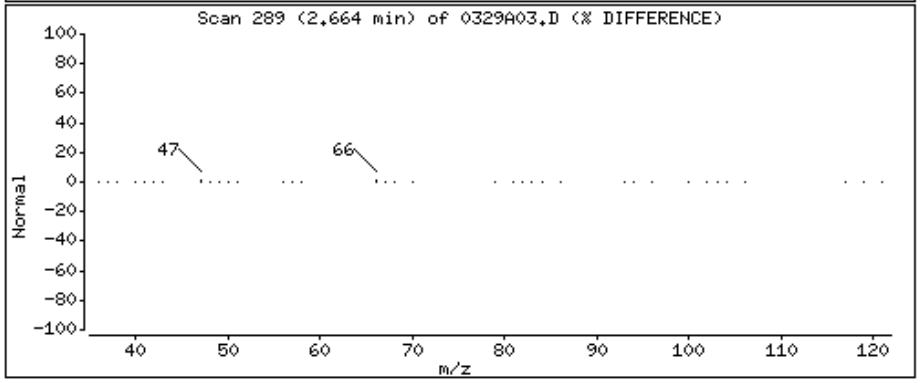












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

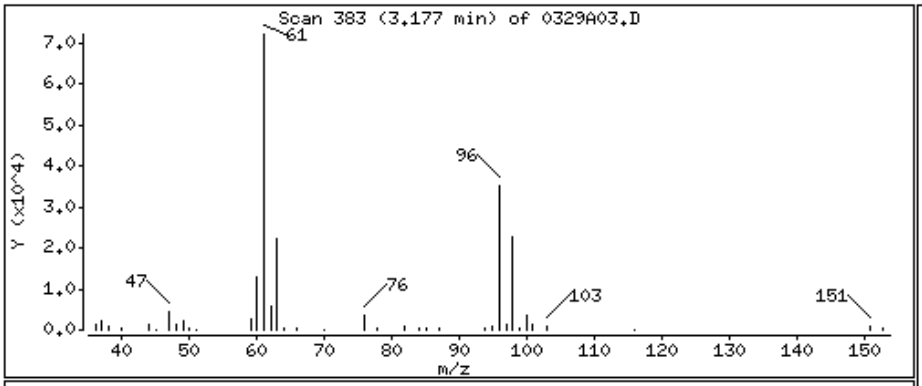
Operator: PD

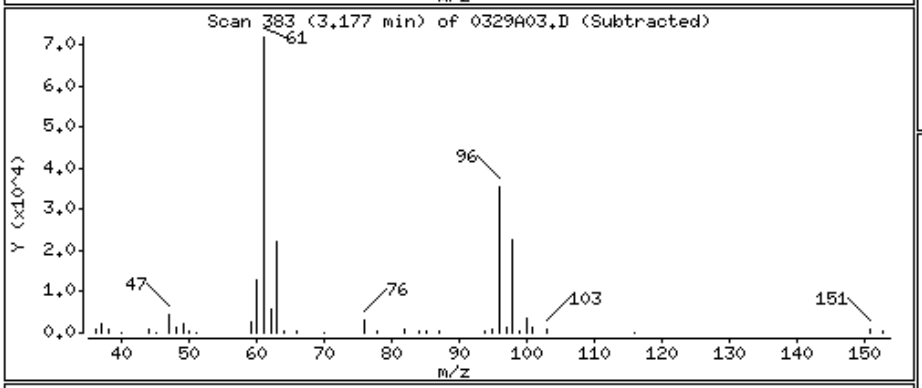
Column phase:

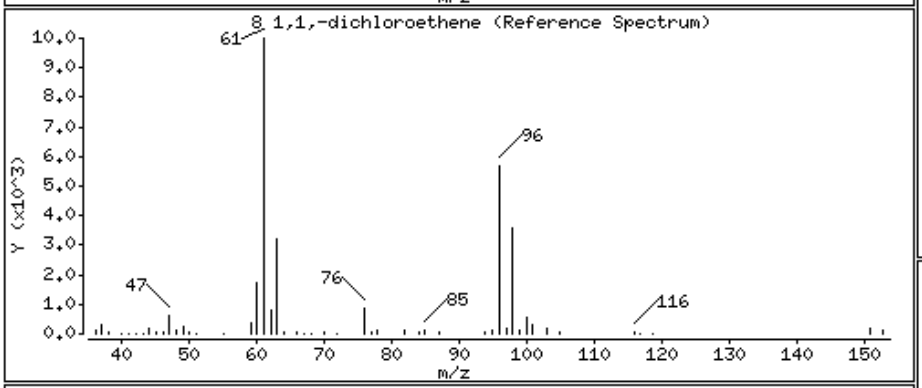
Column diameter: 0.18

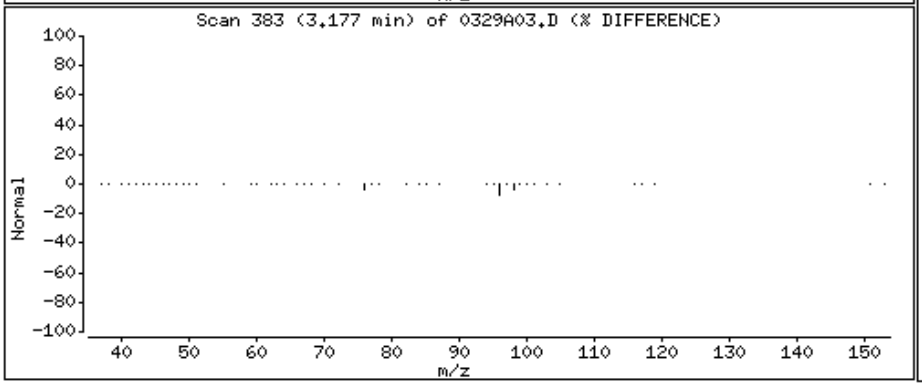
8 1,1,-dichloroethene

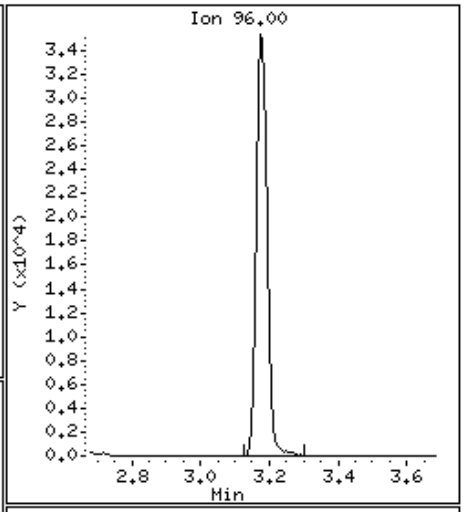
Concentration: 100.086 ngs

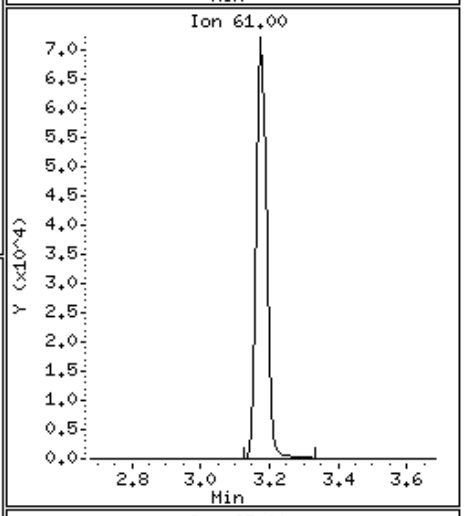


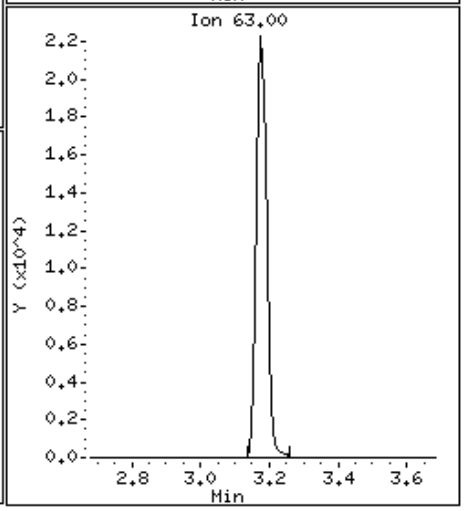












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

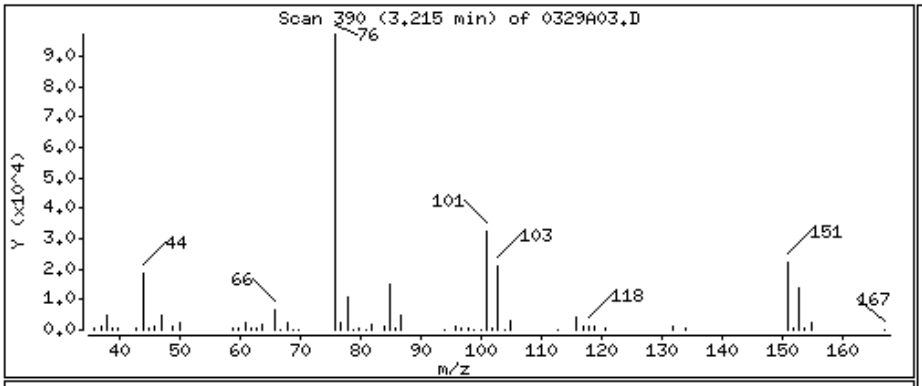
Operator: PD

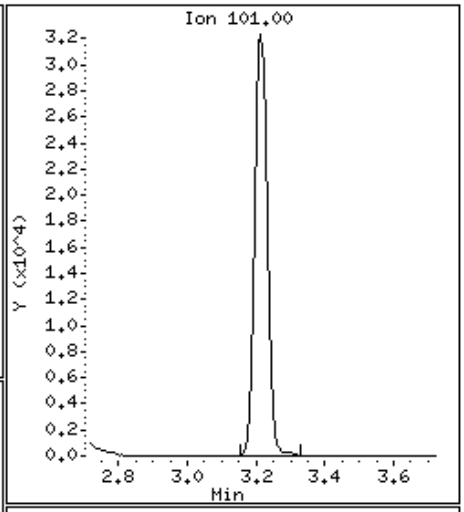
Column phase:

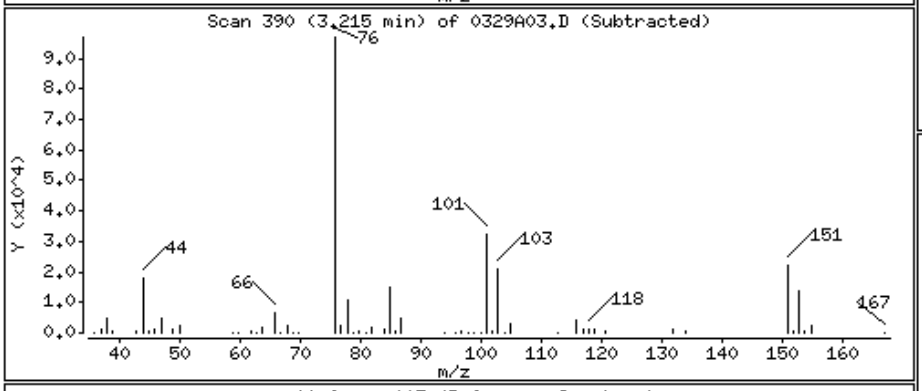
Column diameter: 0.18

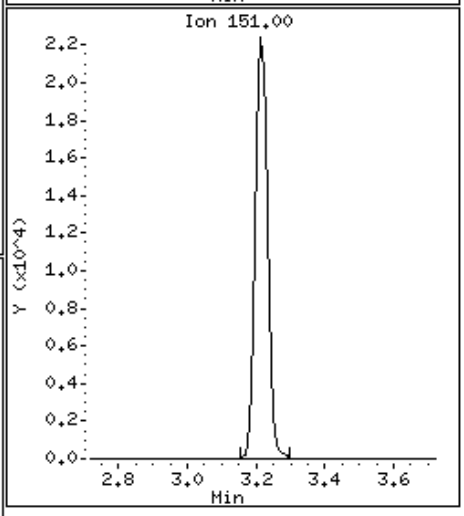
10 freon-113

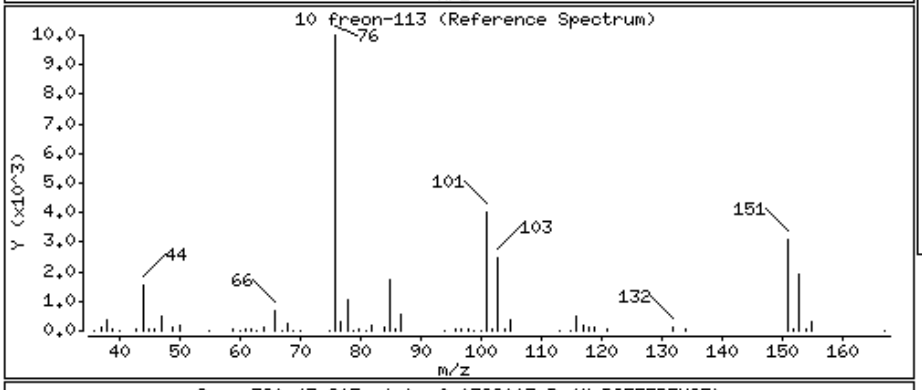
Concentration: 100.370 ngs

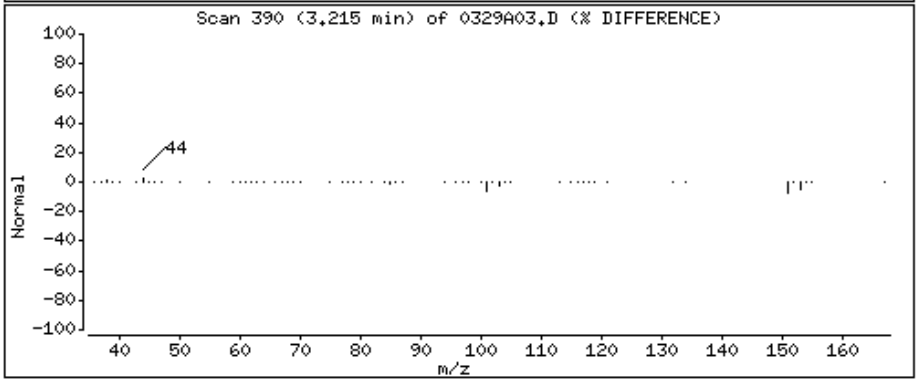












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

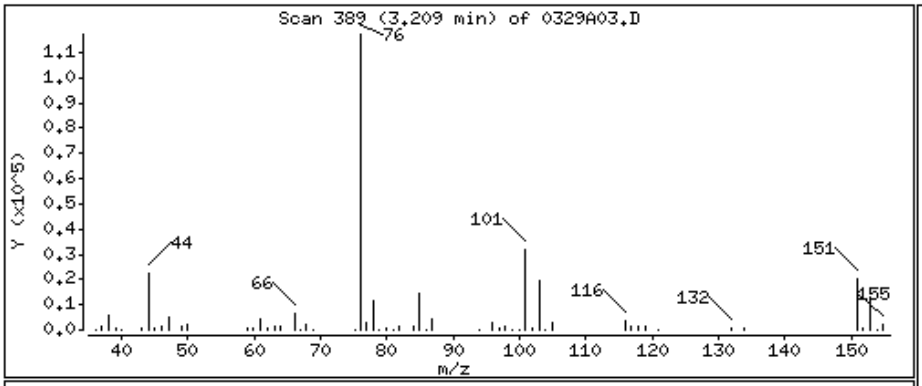
Operator: PD

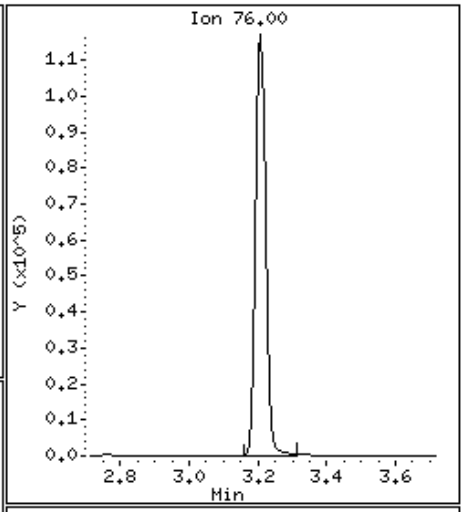
Column phase:

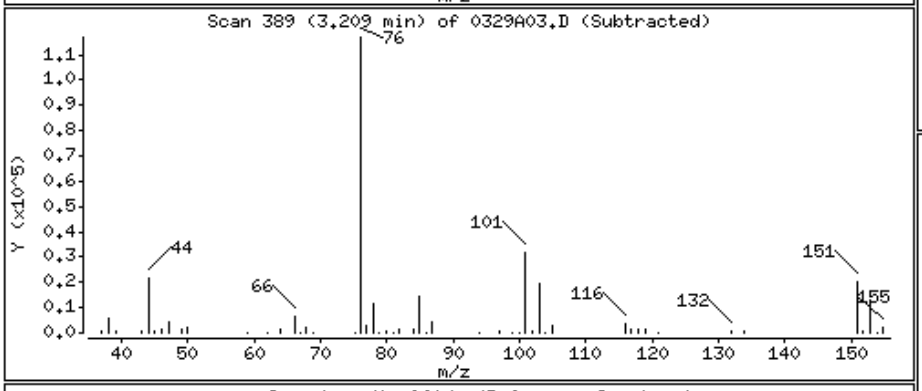
Column diameter: 0.18

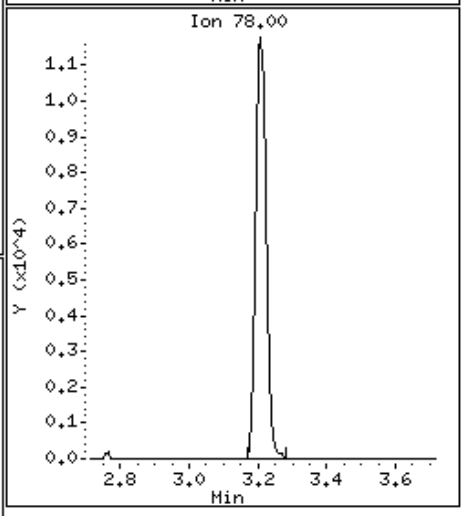
9 carbon disulfide

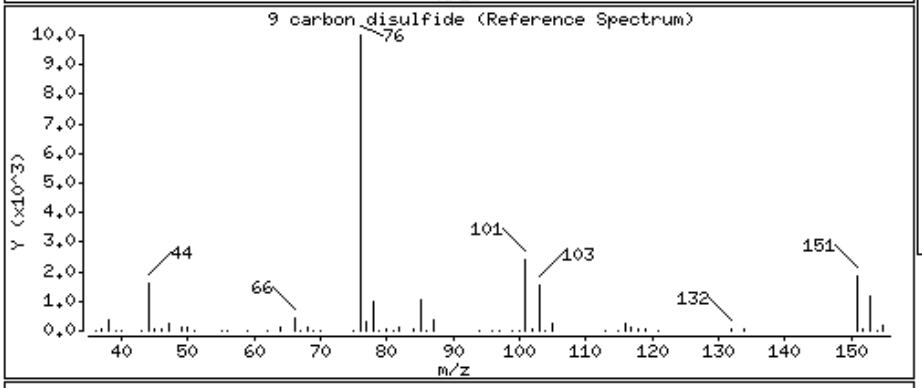
Concentration: 101.459 ngs

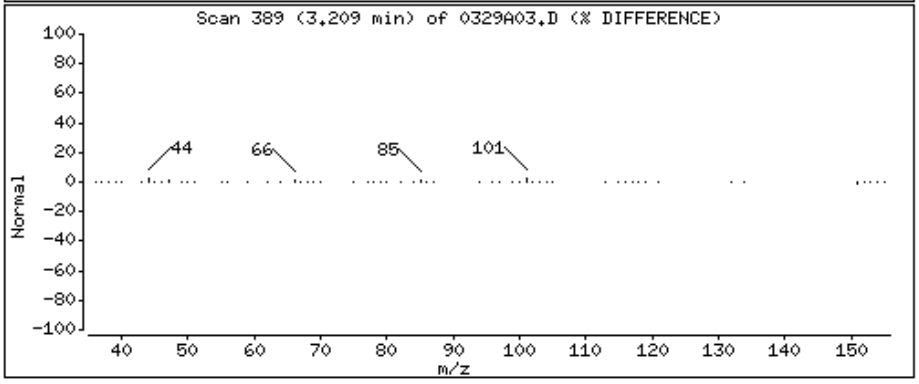












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

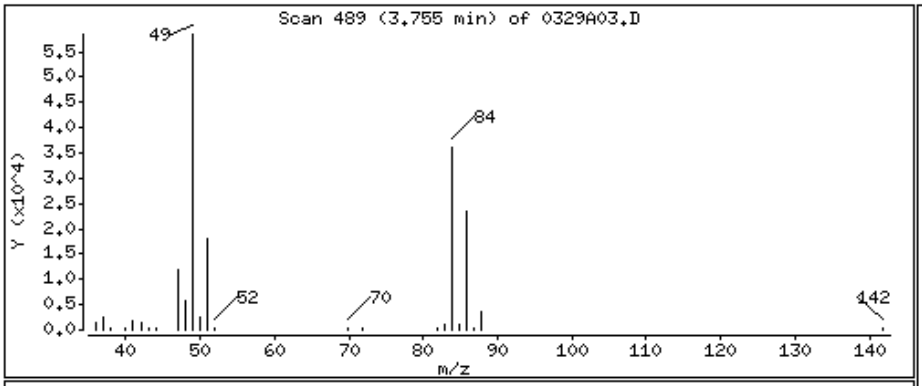
Operator: PD

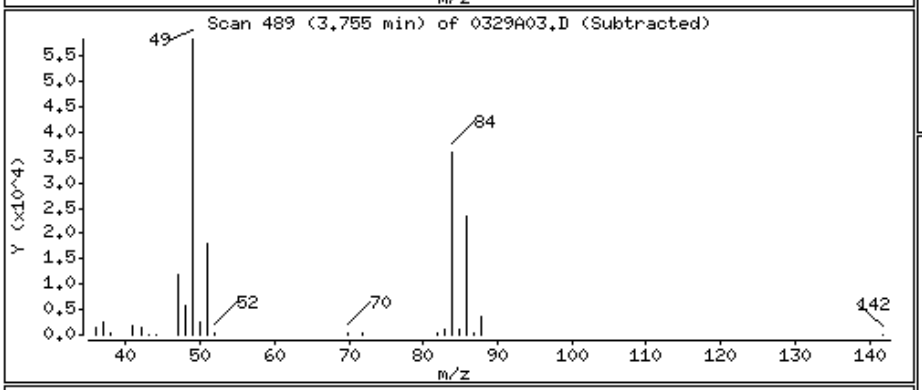
Column phase:

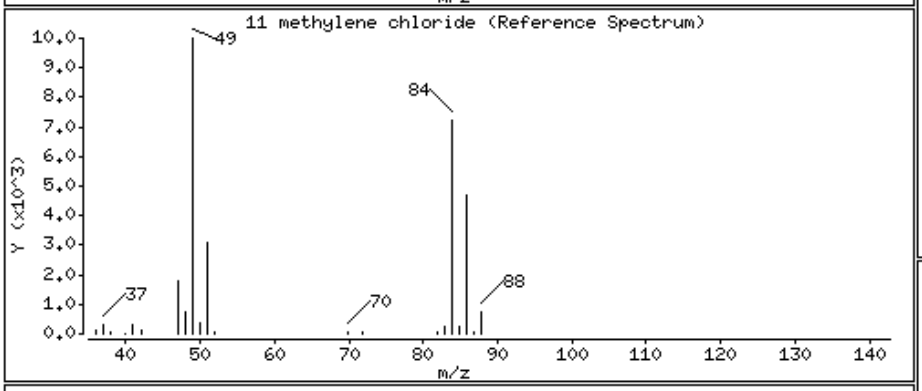
Column diameter: 0.18

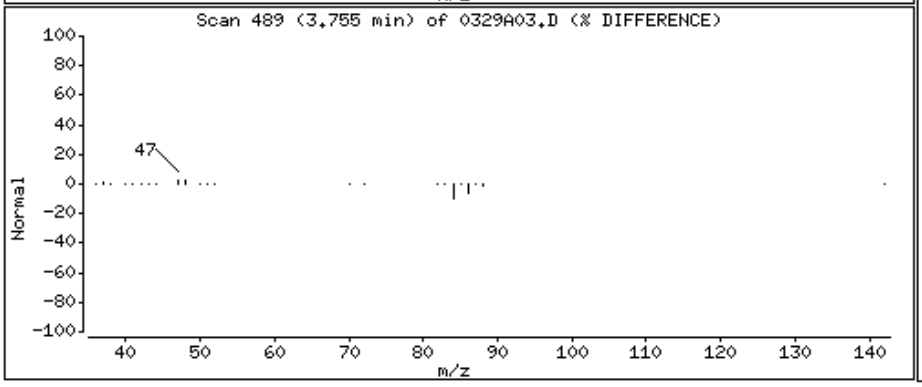
11 methylene chloride

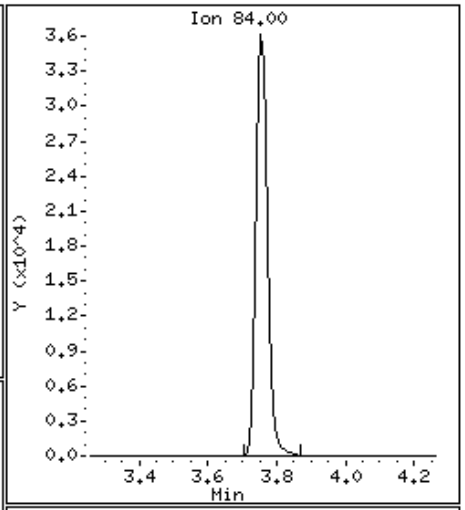
Concentration: 110.009 ngs

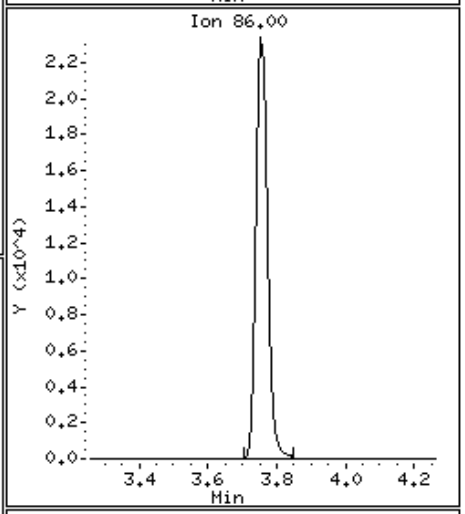


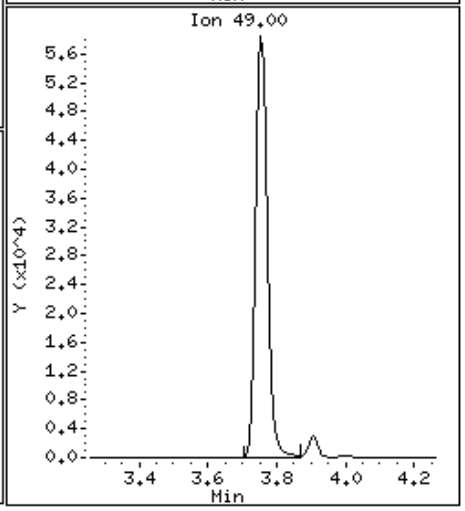












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

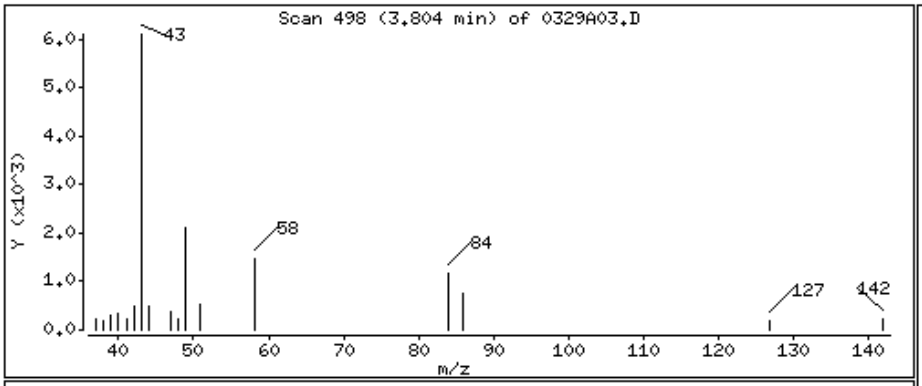
Operator: PD

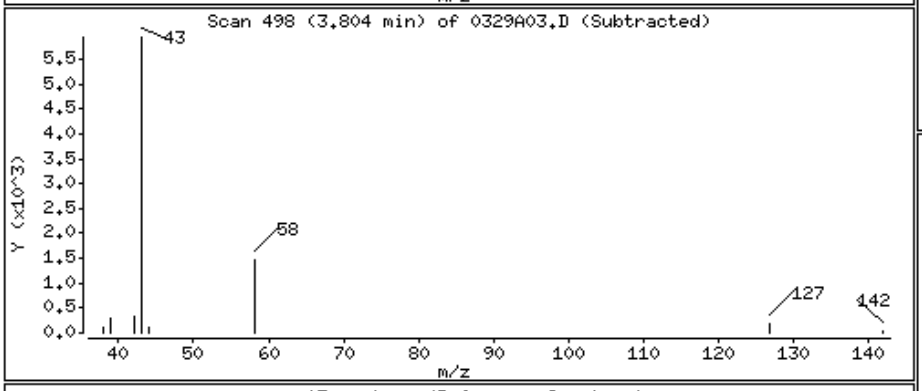
Column phase:

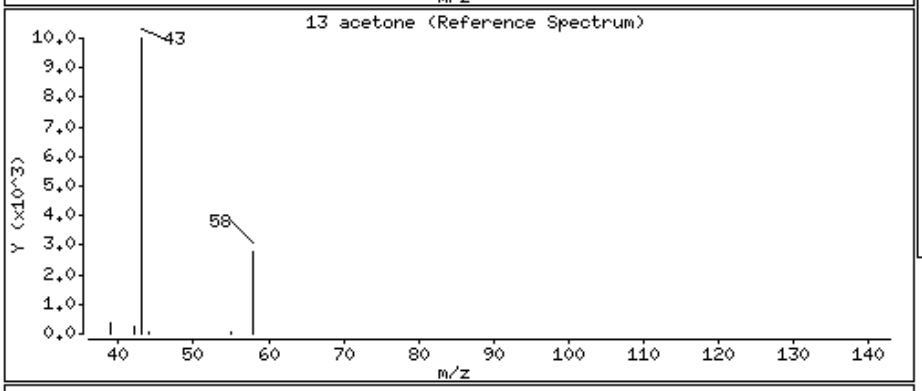
Column diameter: 0.18

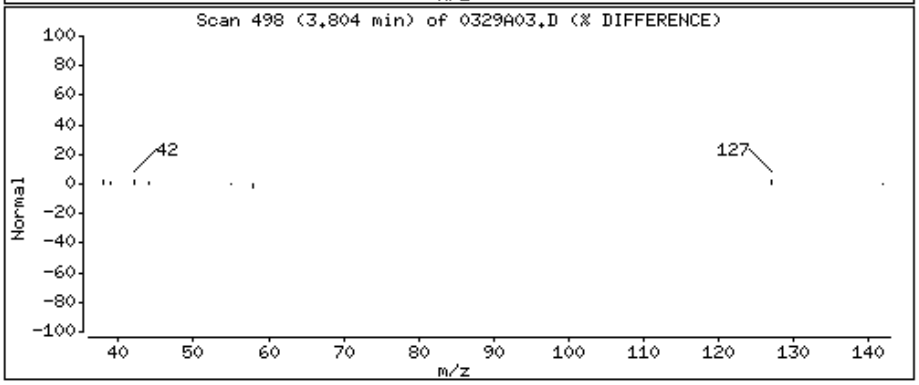
13 acetone

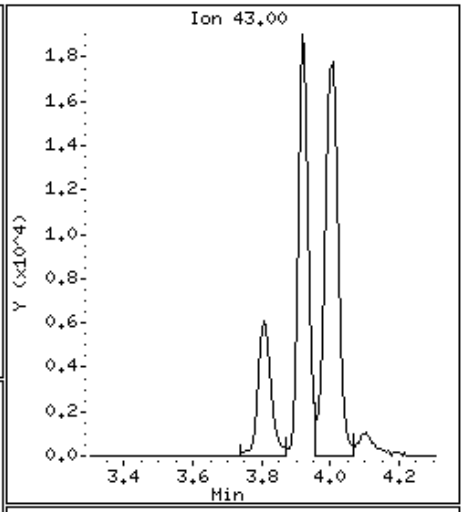
Concentration: 101.473 ngs

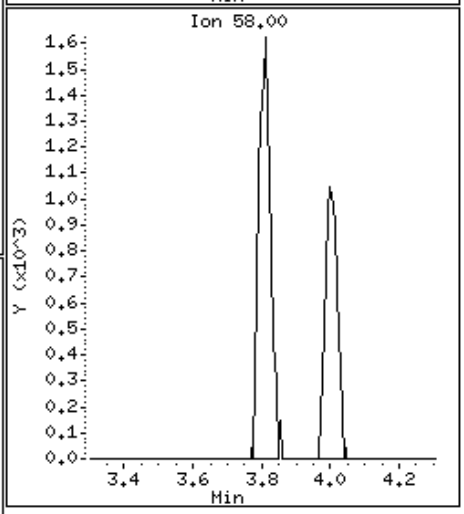












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

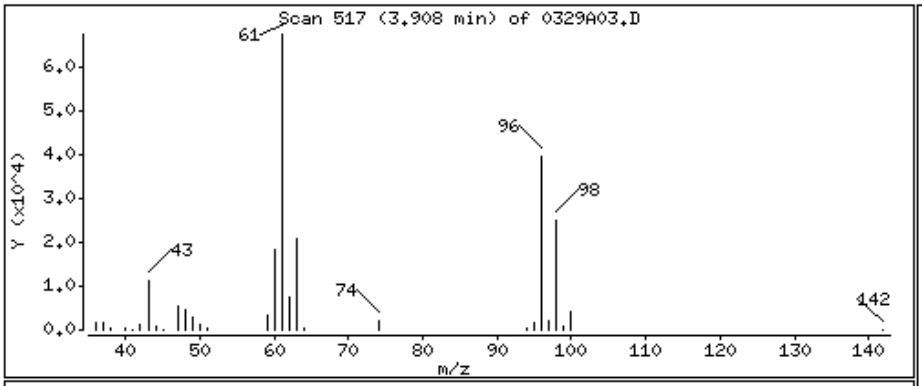
Operator: PD

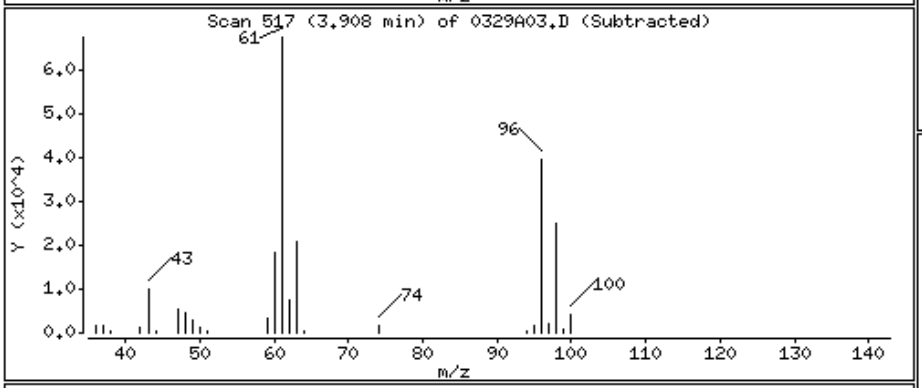
Column phase:

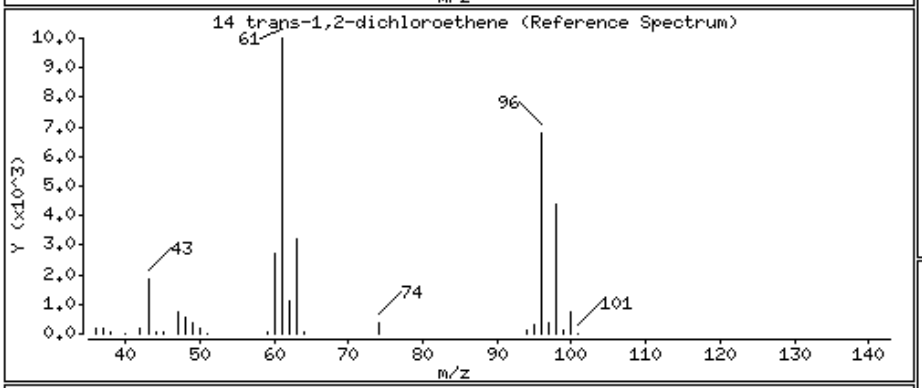
Column diameter: 0.18

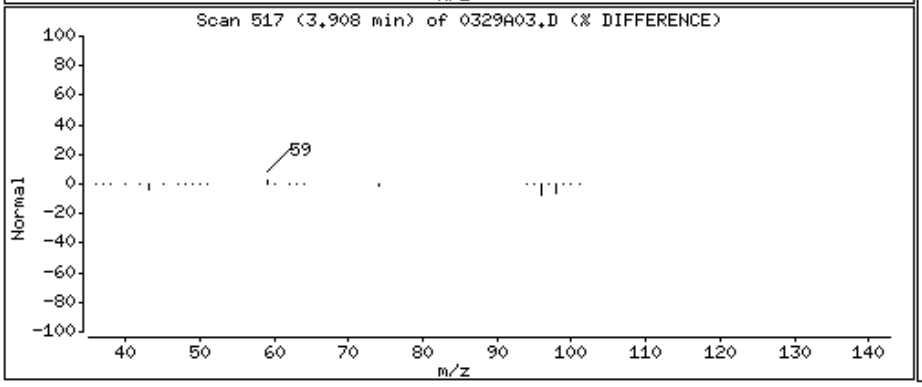
14 trans-1,2-dichloroethene

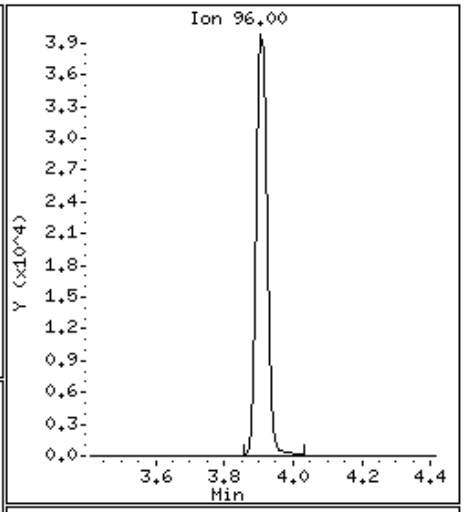
Concentration: 102.130 ngs

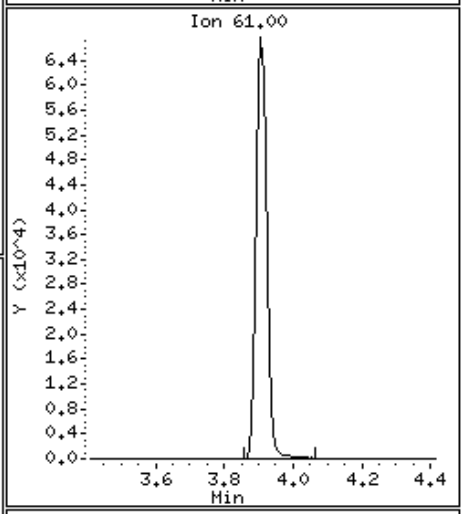


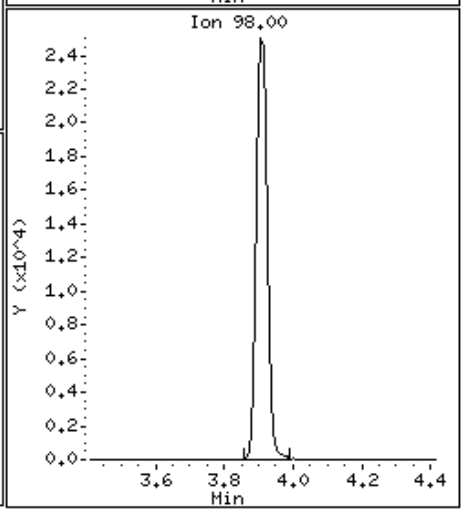












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

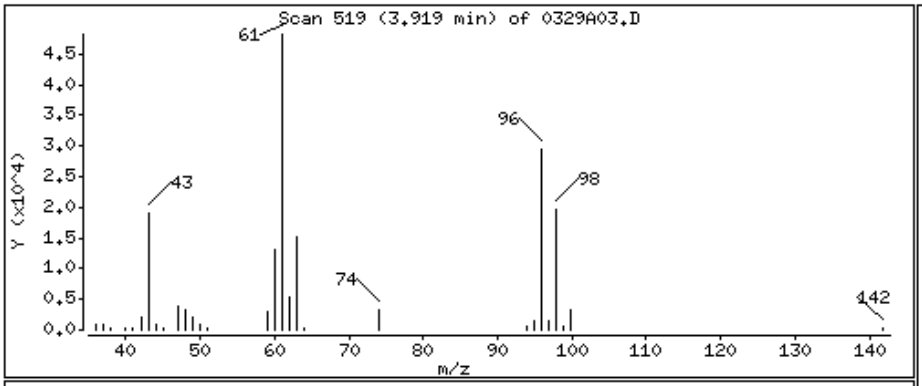
Operator: PD

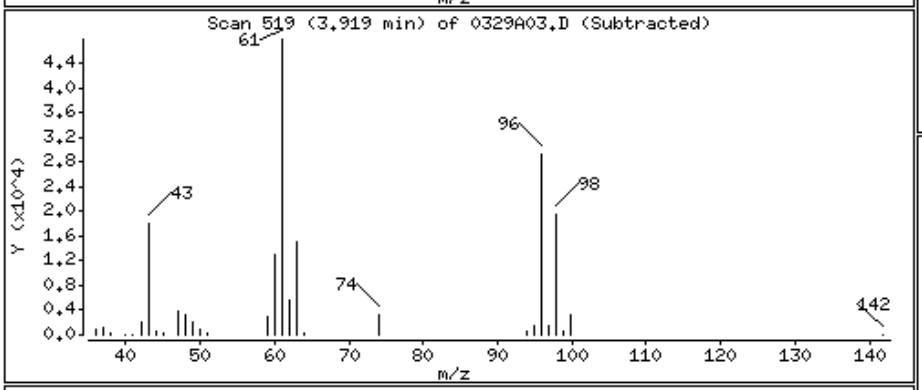
Column phase:

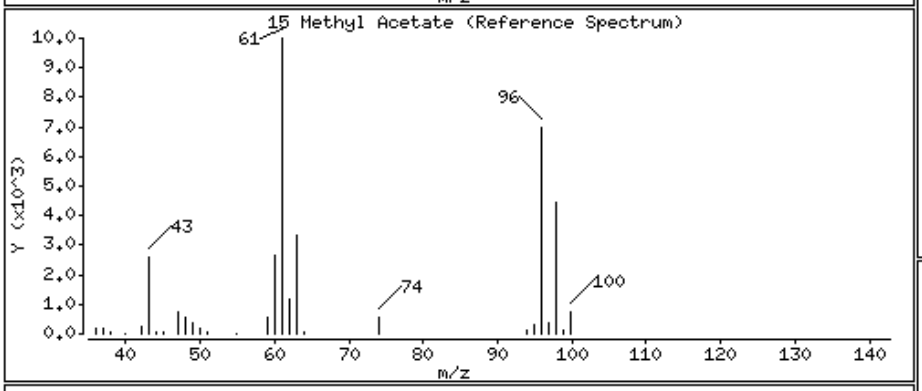
Column diameter: 0.18

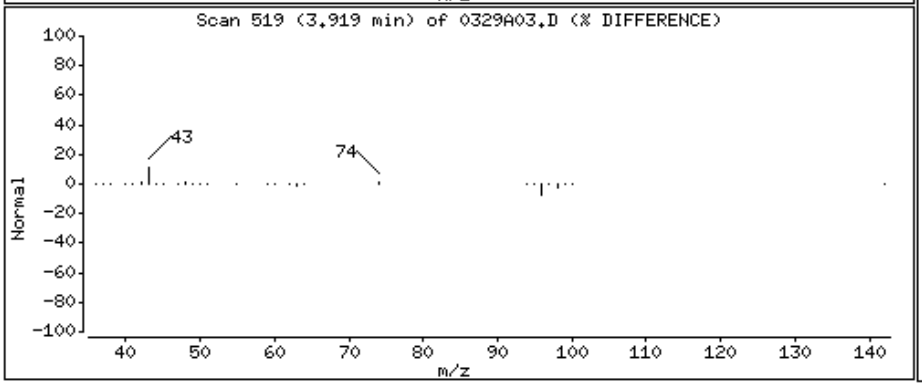
15 Methyl Acetate

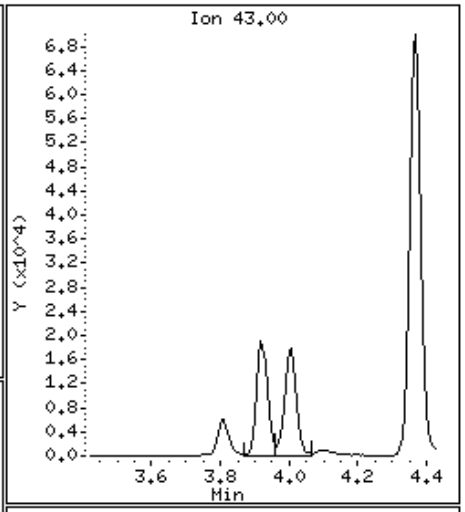
Concentration: 128.064 ngs

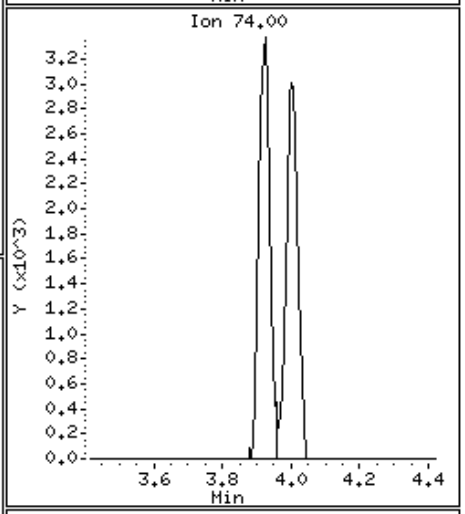


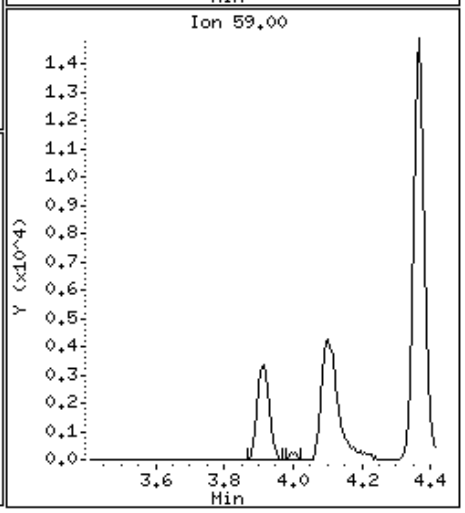












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

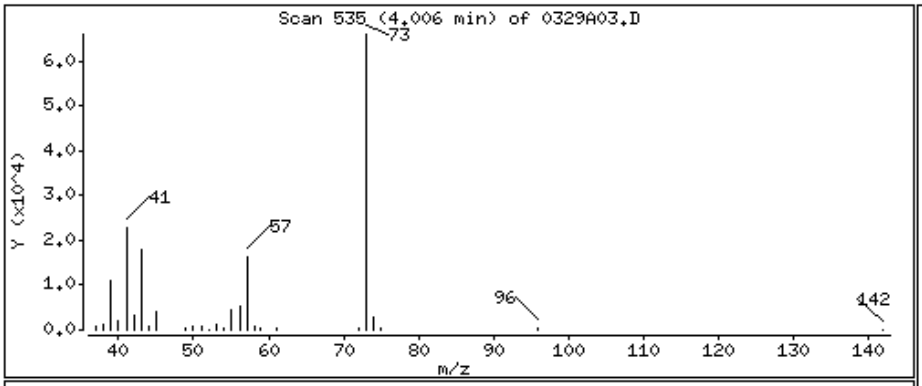
Operator: PD

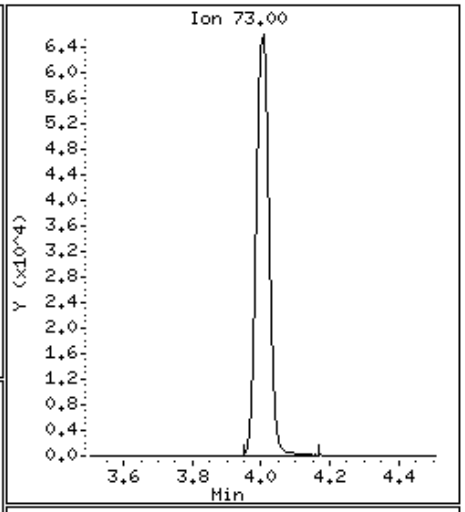
Column phase:

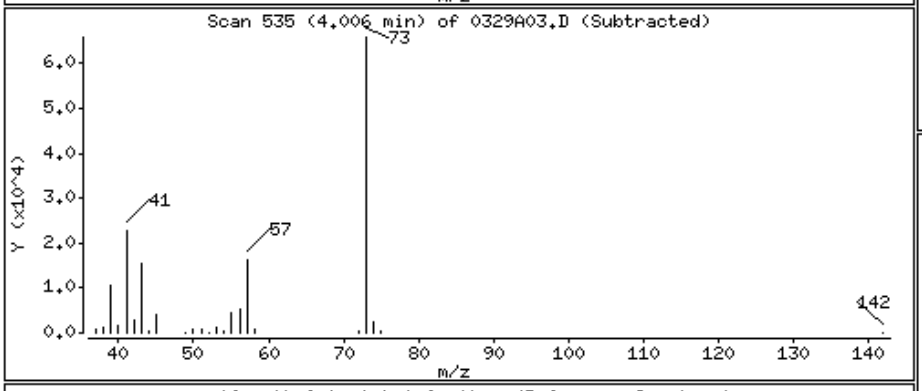
Column diameter: 0.18

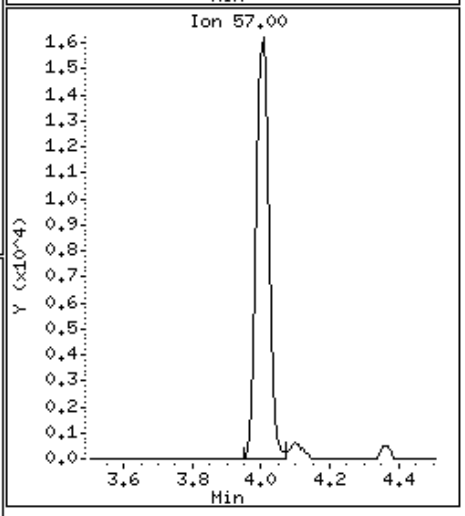
16 methyl tert butyl ether

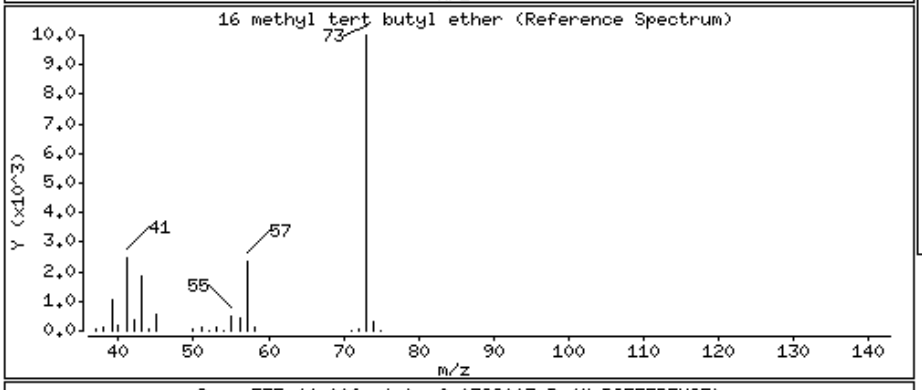
Concentration: 99.579 ngs

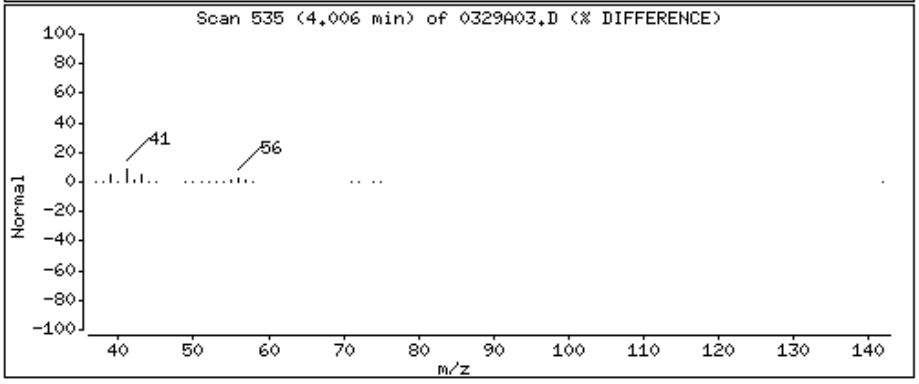












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

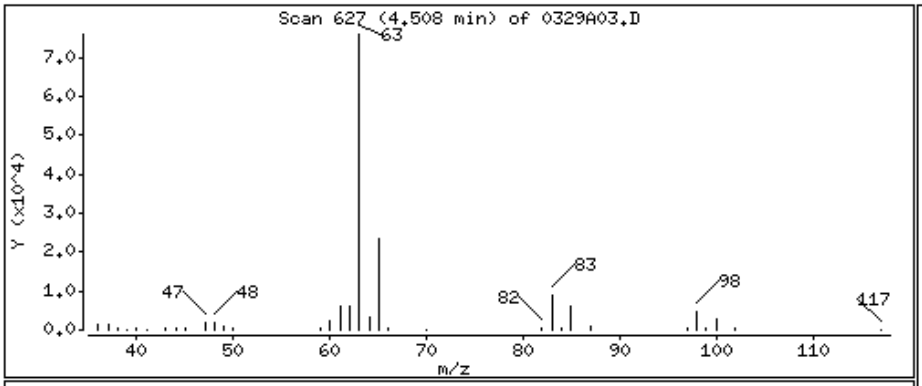
Operator: PD

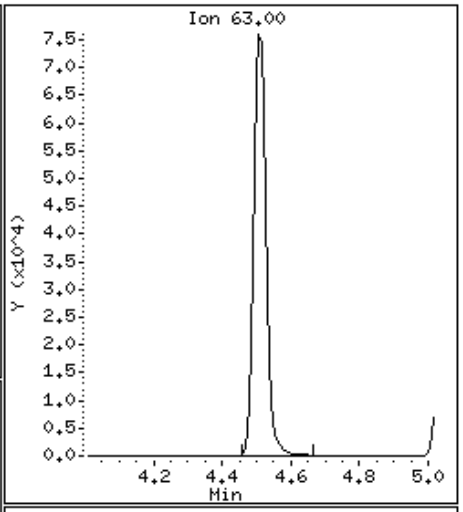
Column phase:

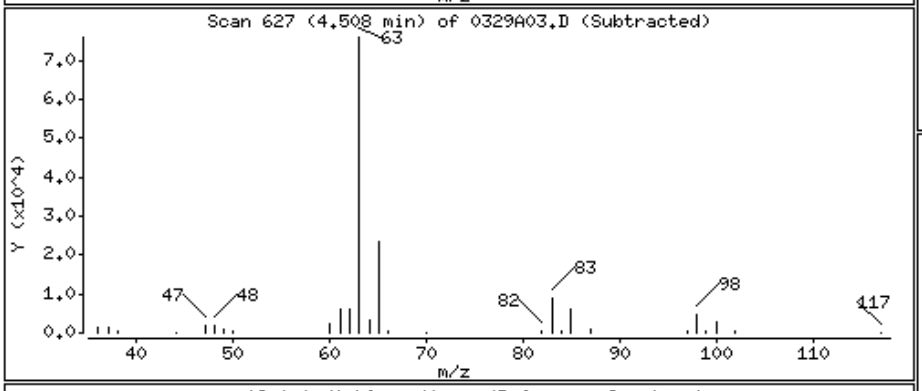
Column diameter: 0.18

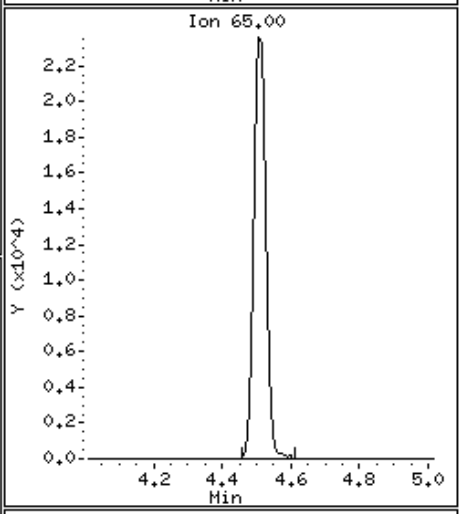
19 1,1-dichloroethane

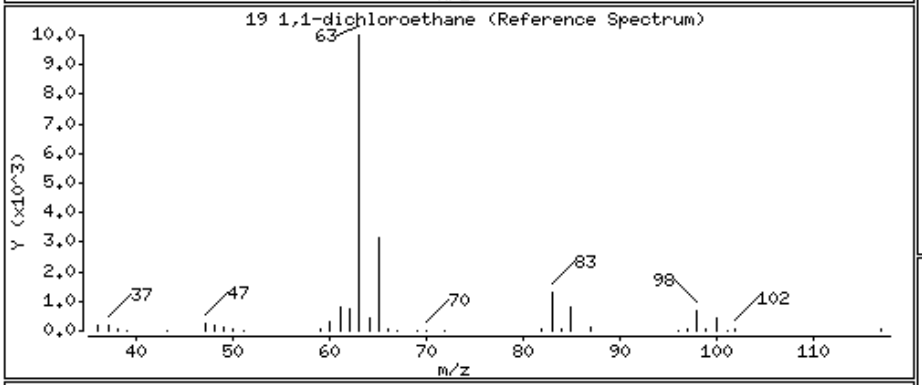
Concentration: 116.468 ngs

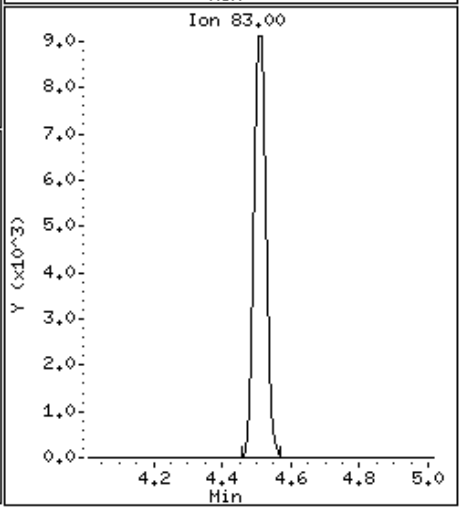


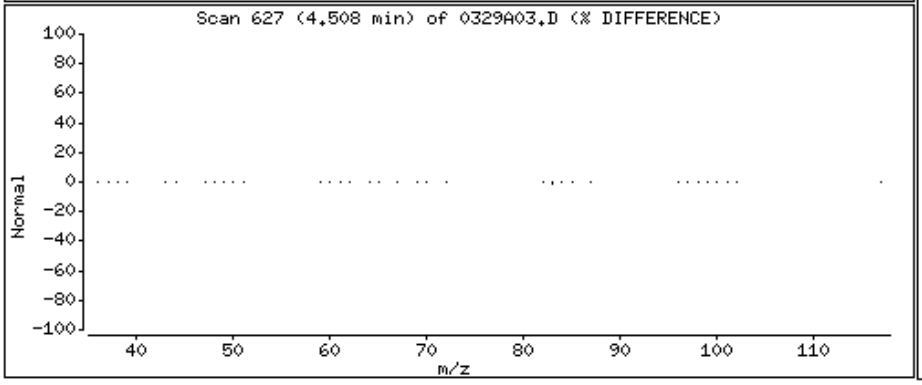












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

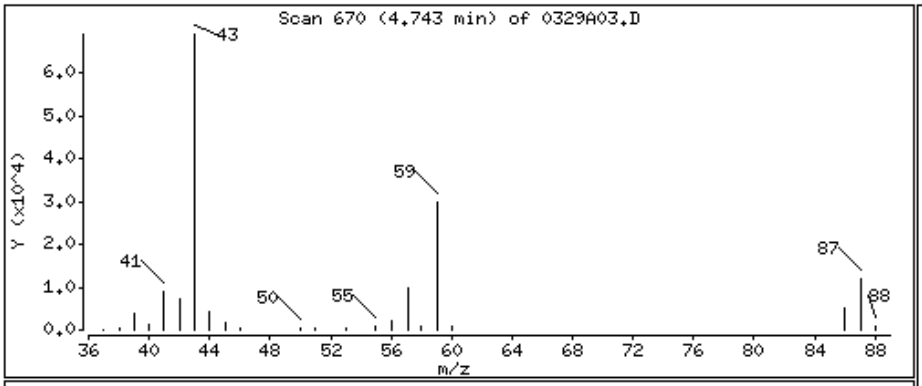
Operator: PD

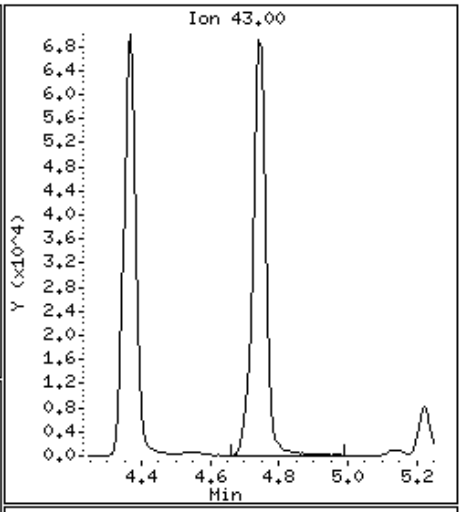
Column phase:

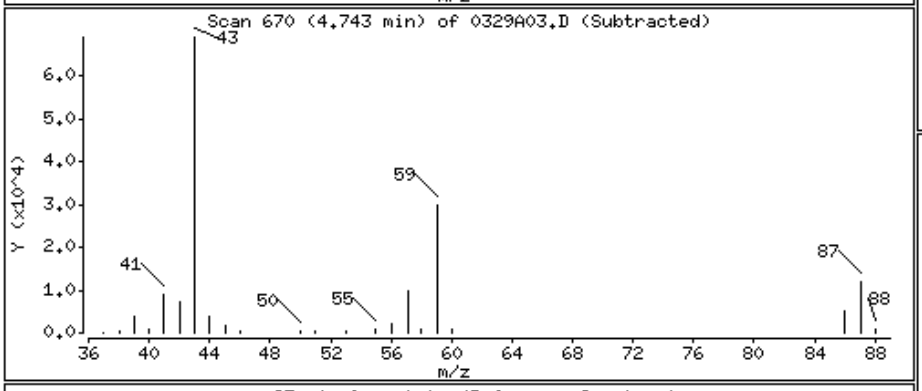
Column diameter: 0.18

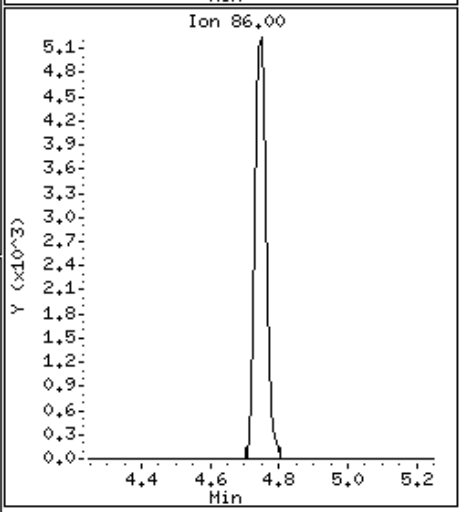
23 vinyl acetate

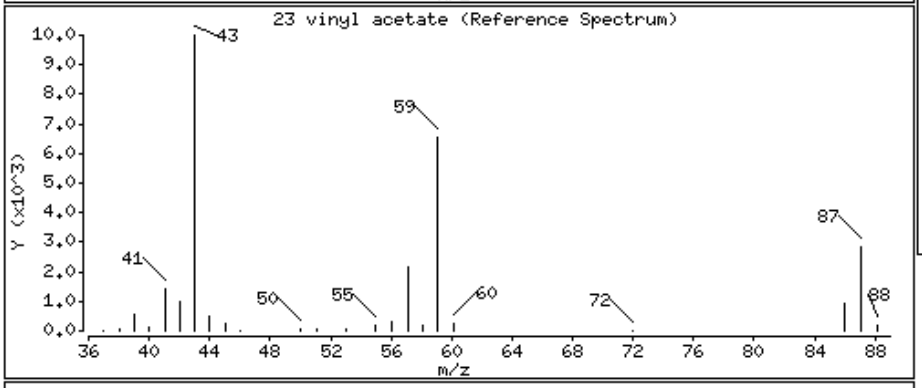
Concentration: 139.185 ngs

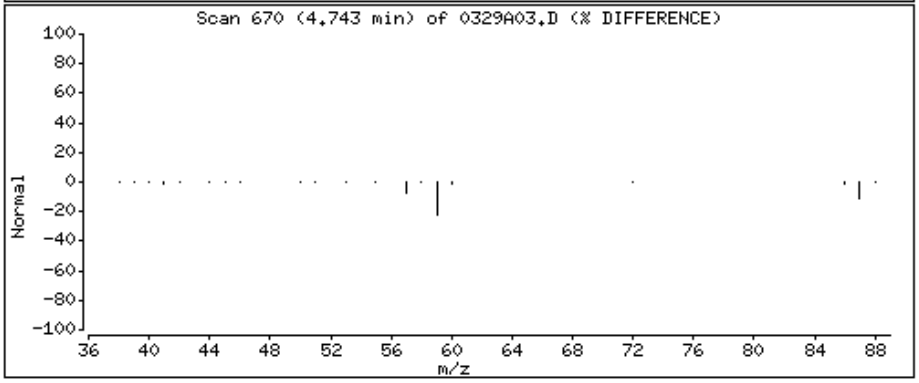












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

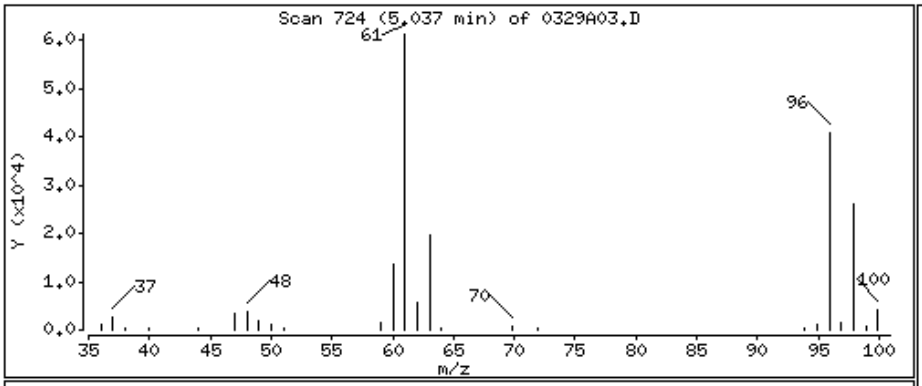
Operator: PD

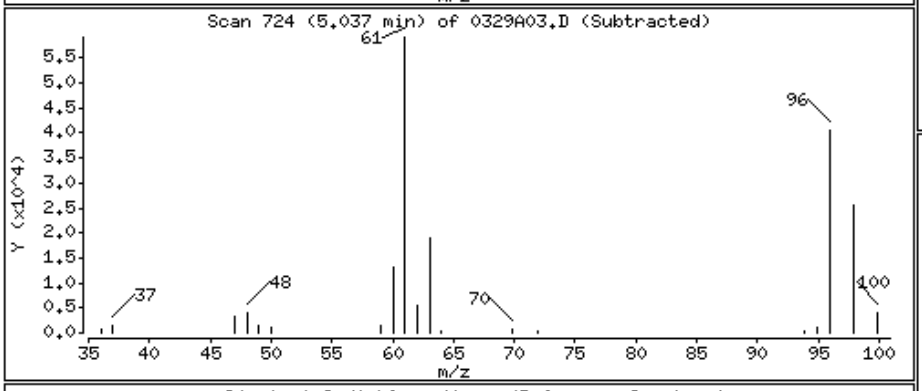
Column phase:

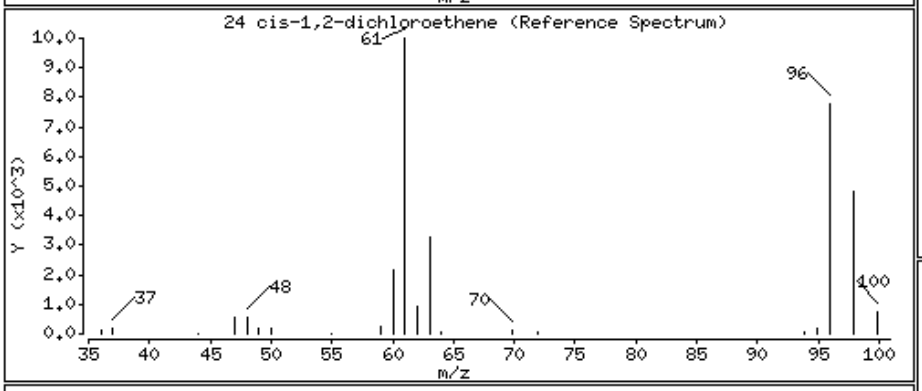
Column diameter: 0.18

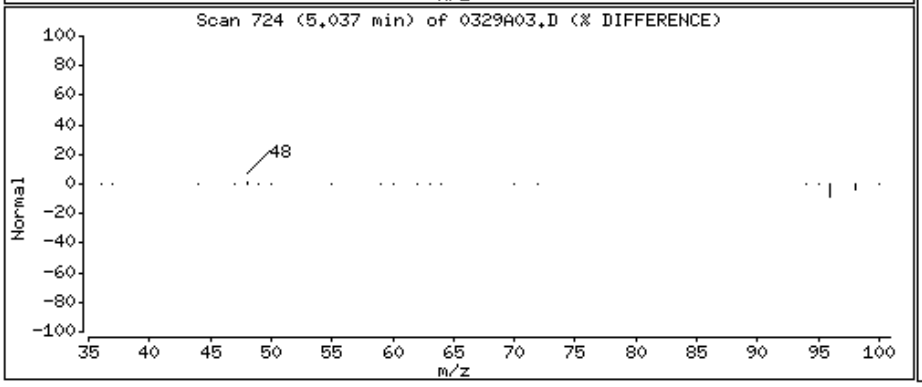
24 cis-1,2-dichloroethene

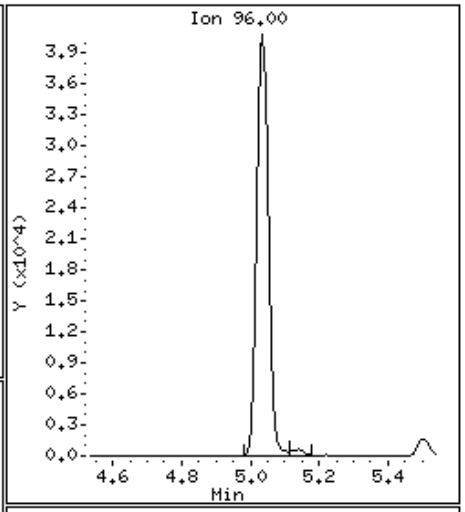
Concentration: 104.367 ngs

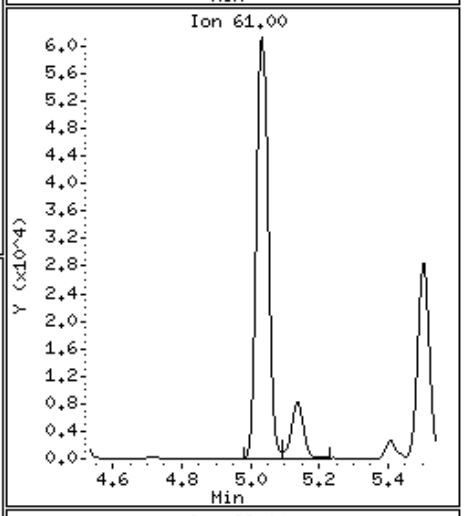


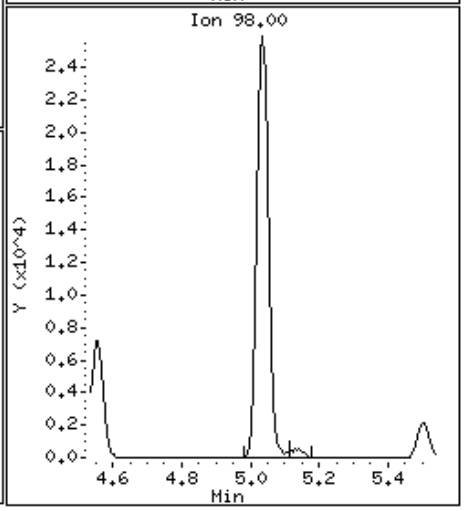












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

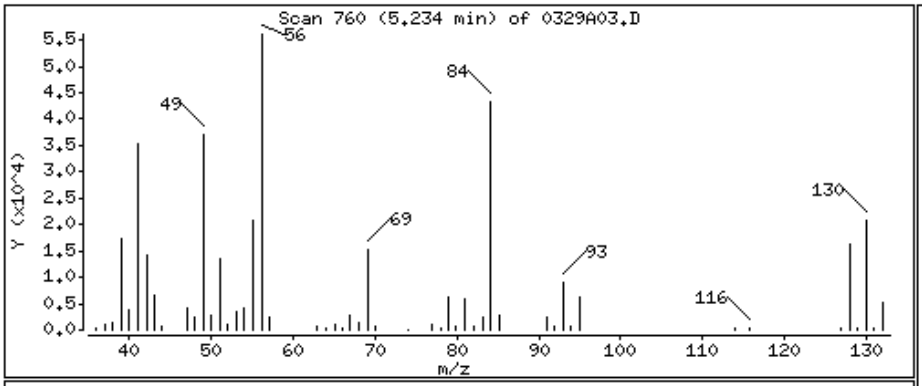
Operator: PD

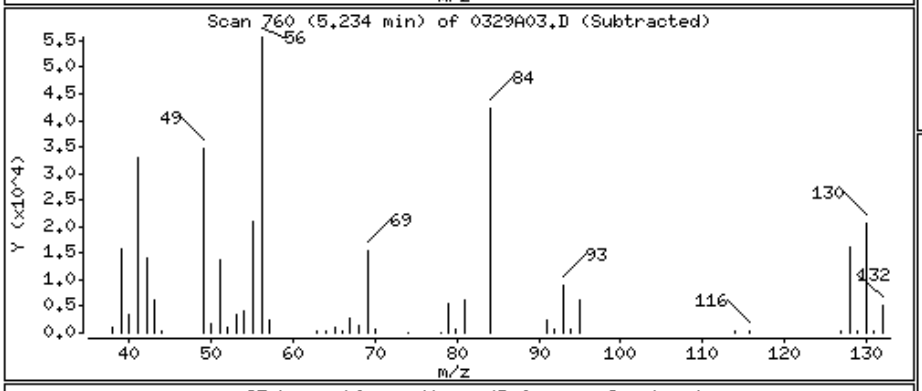
Column phase:

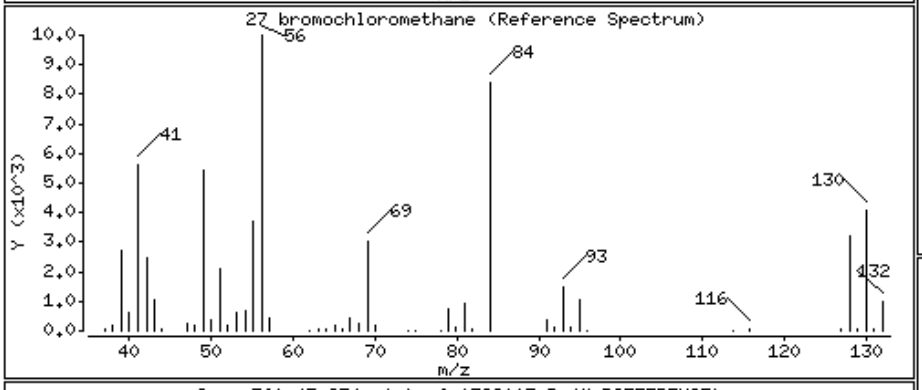
Column diameter: 0.18

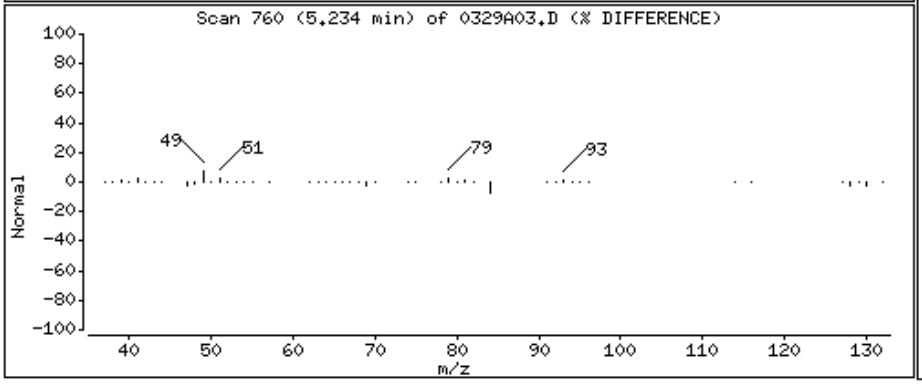
27 bromochloromethane

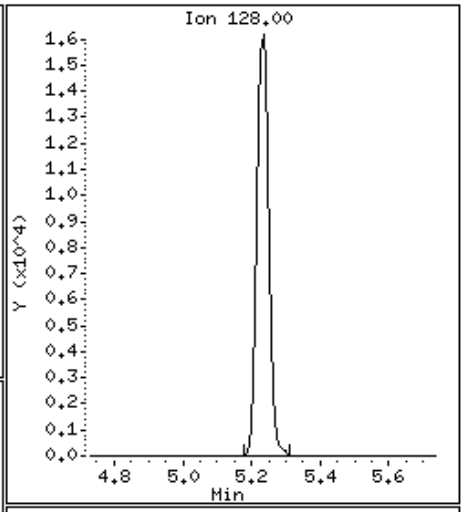
Concentration: 96.205 ngs

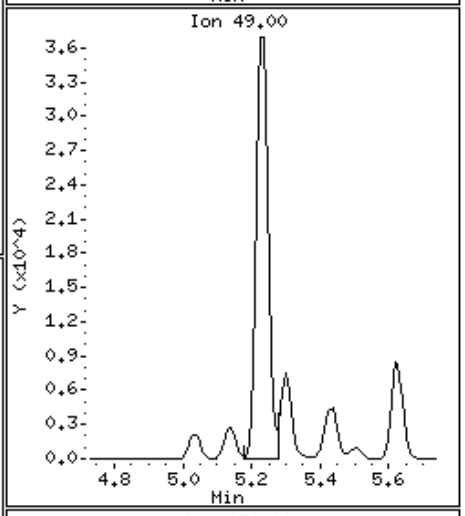


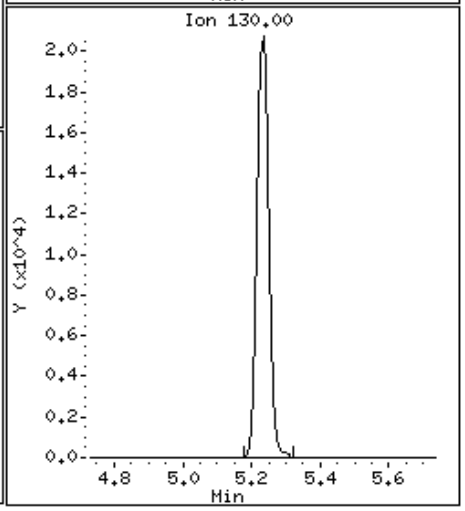












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

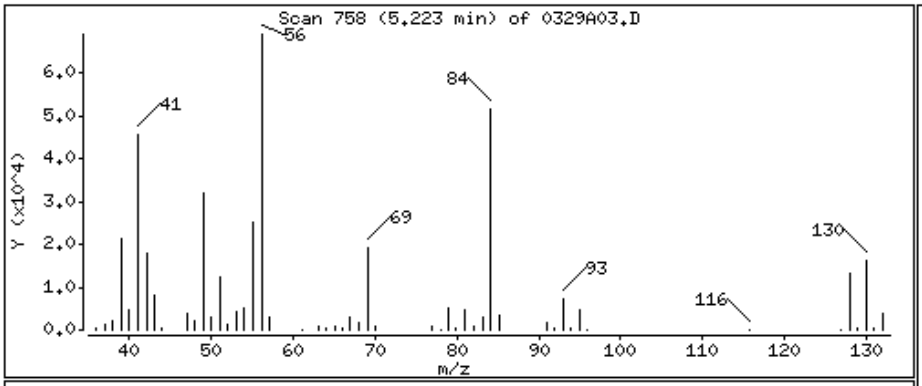
Operator: PD

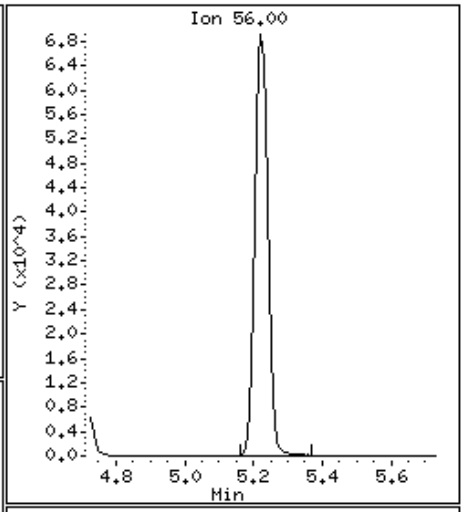
Column phase:

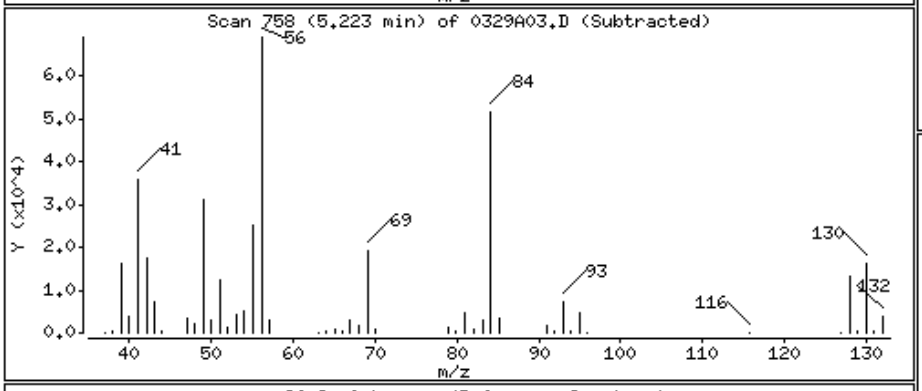
Column diameter: 0.18

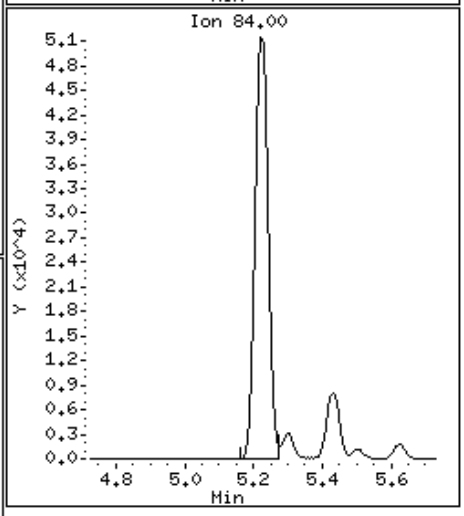
26 Cyclohexane

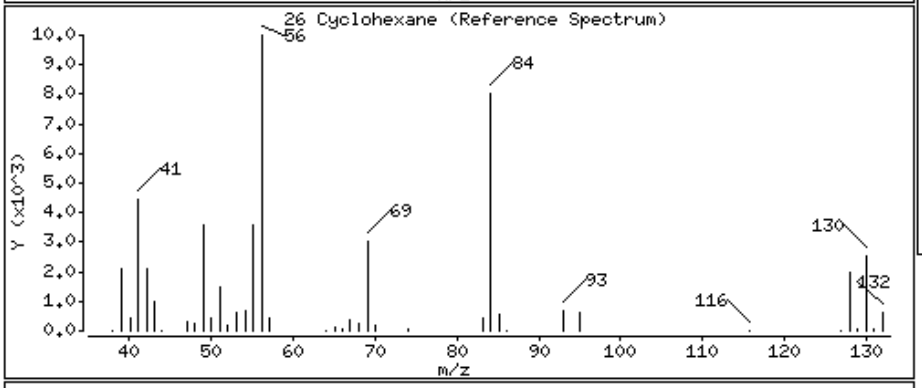
Concentration: 109.057 ngs

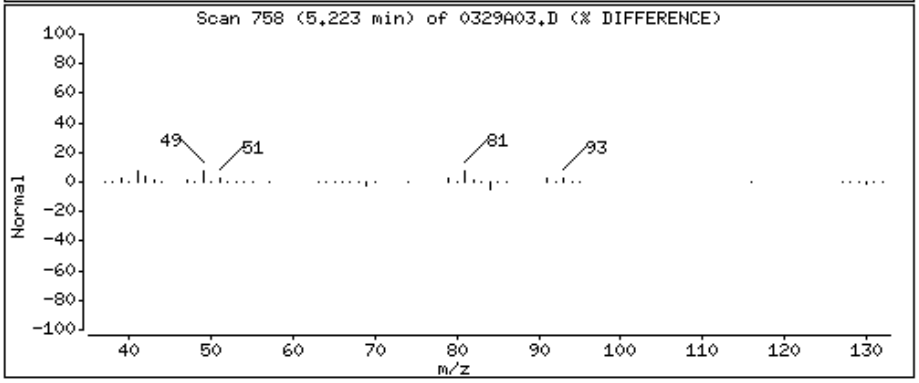












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

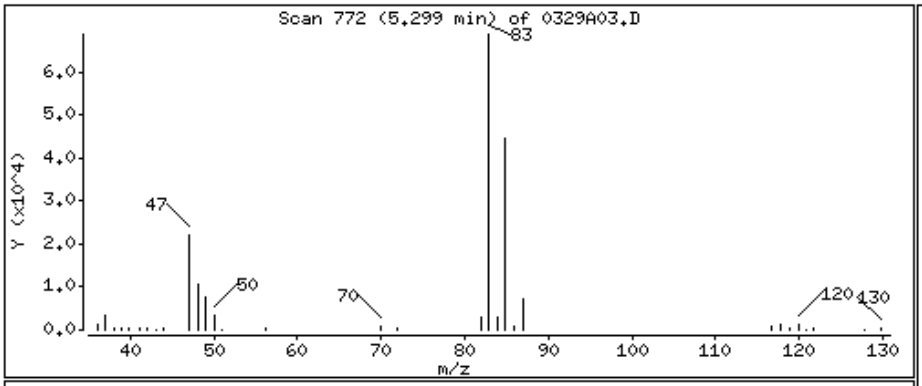
Operator: PD

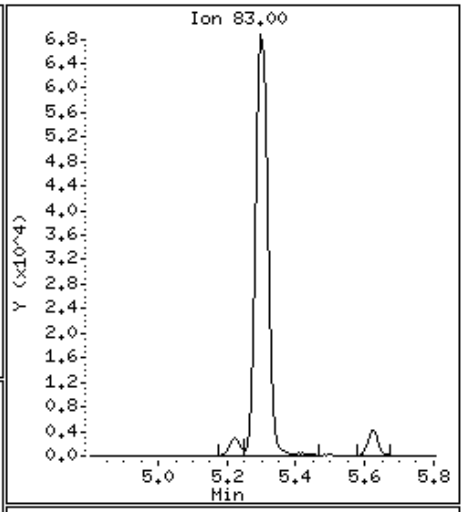
Column phase:

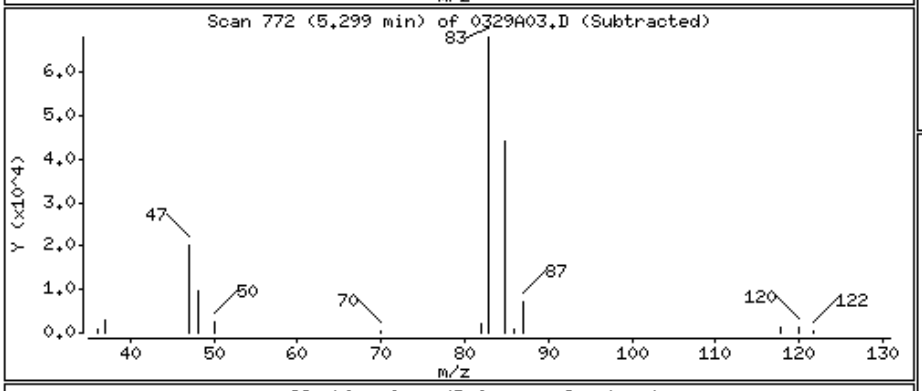
Column diameter: 0.18

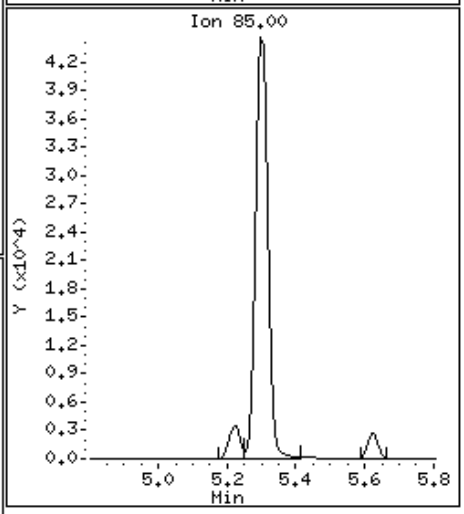
28 chloroform

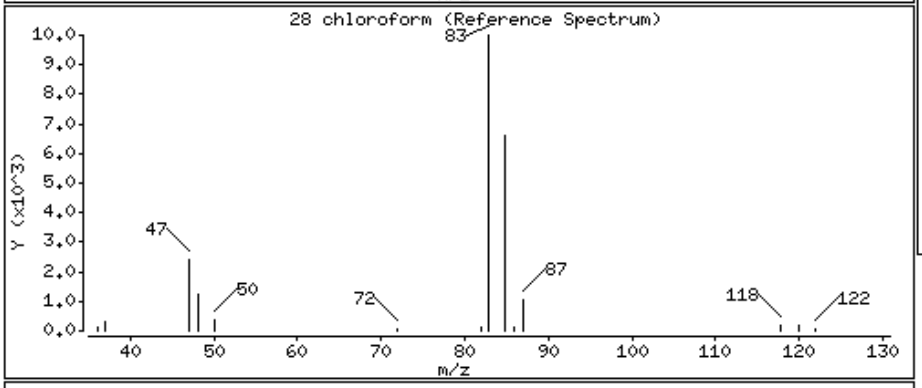
Concentration: 113.098 ngs

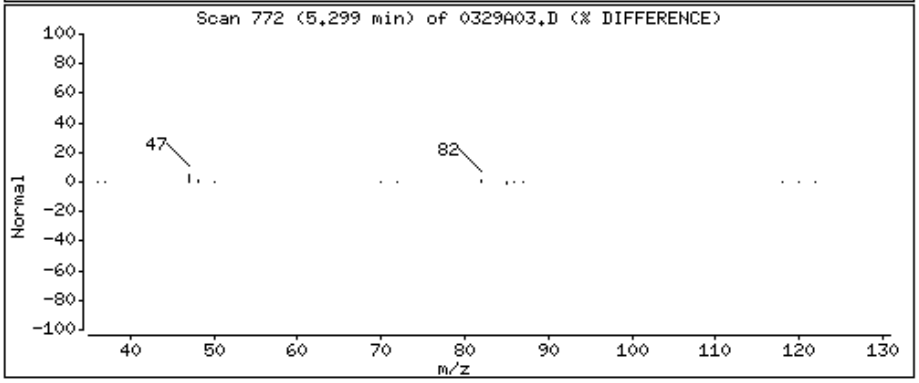












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

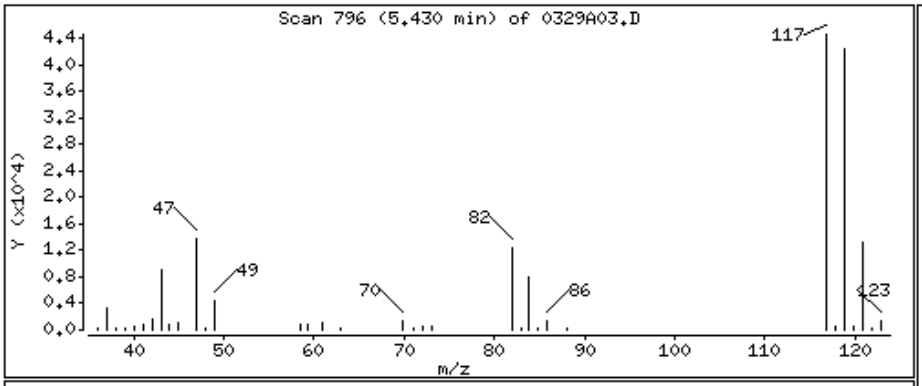
Operator: PD

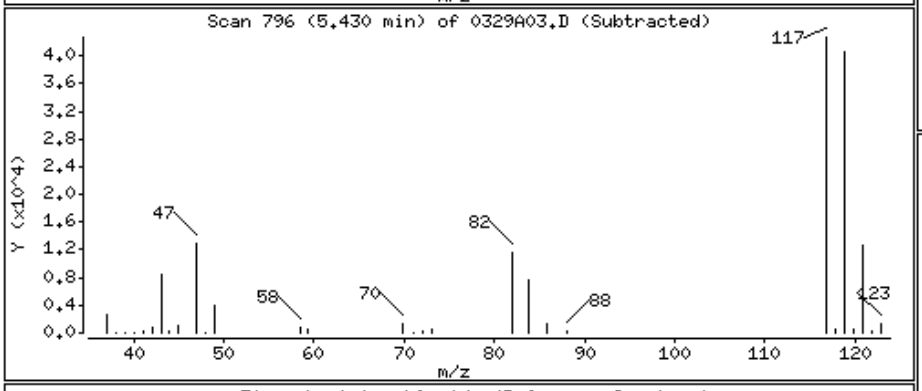
Column phase:

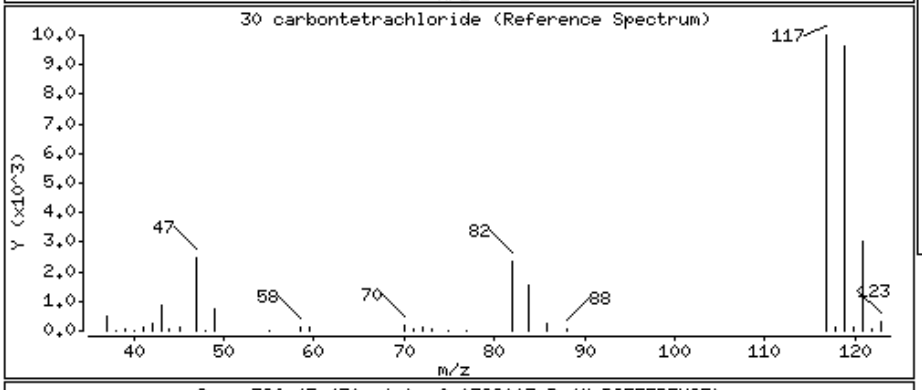
Column diameter: 0.18

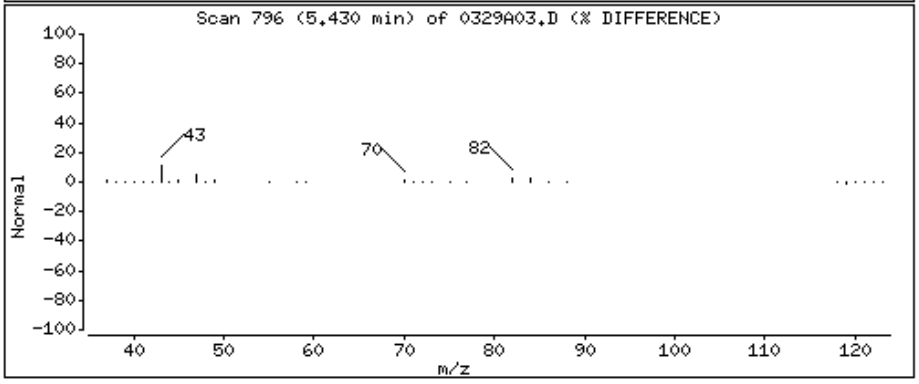
30 carbontetrachloride

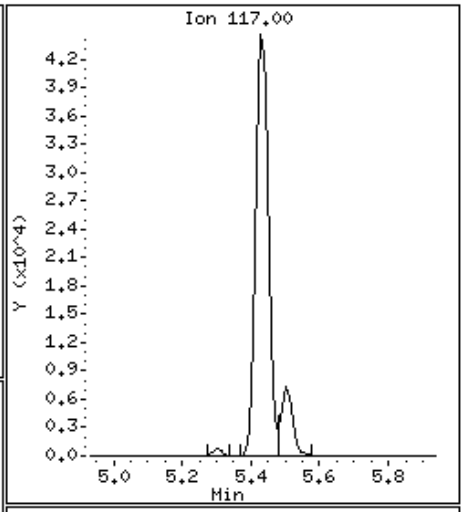
Concentration: 90.142 ngs

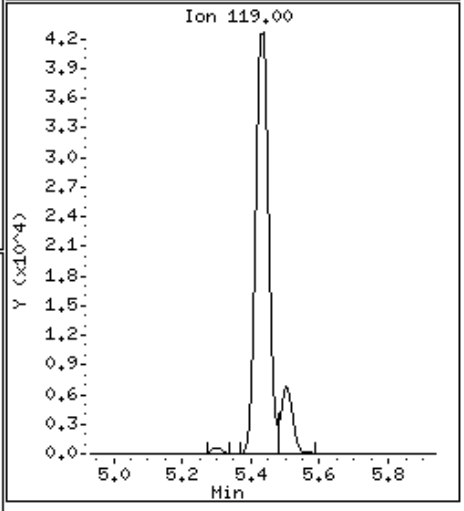












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

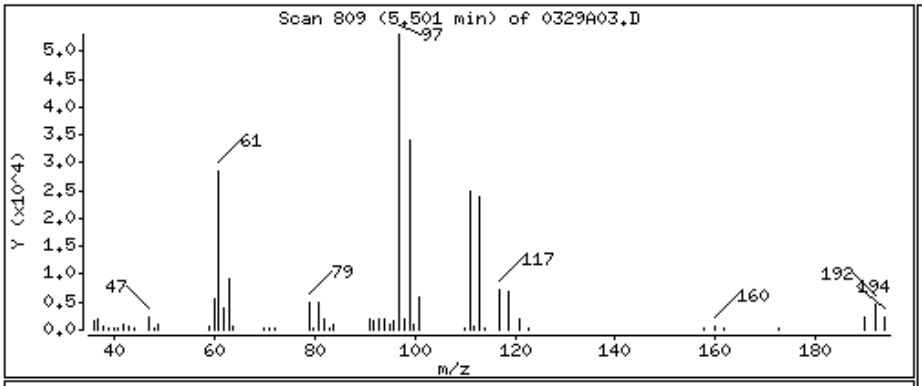
Operator: PD

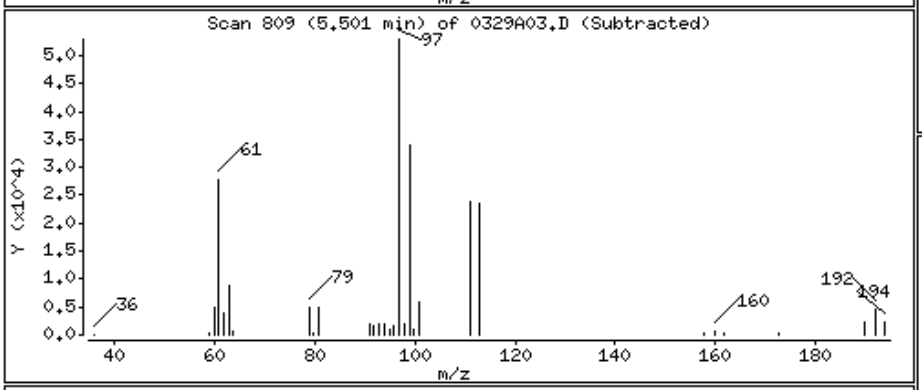
Column phase:

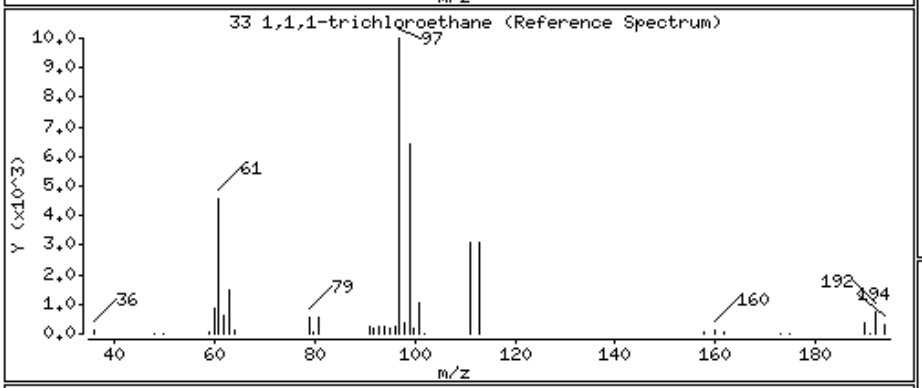
Column diameter: 0.18

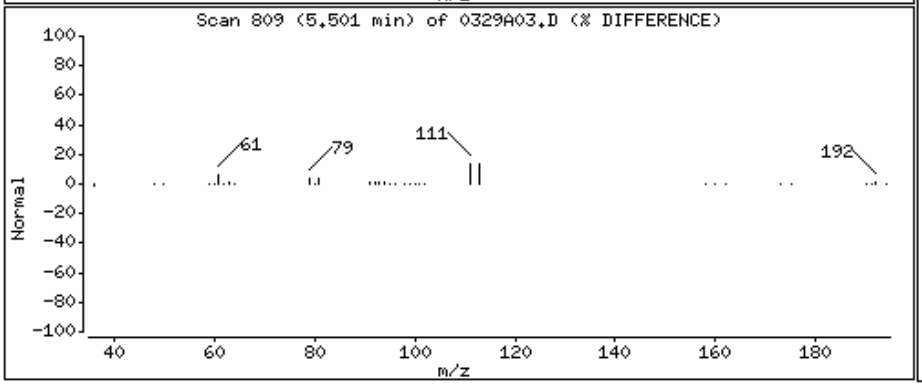
33 1,1,1-trichloroethane

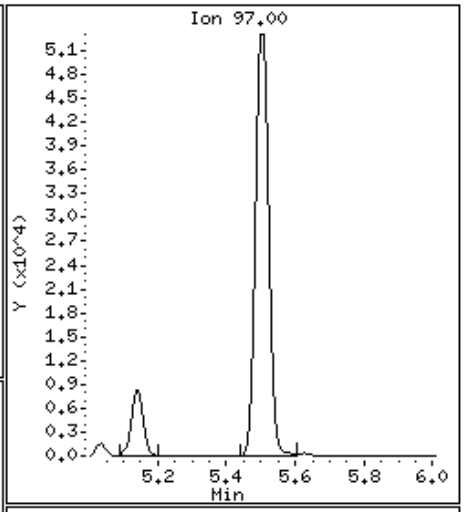
Concentration: 100.443 ngs

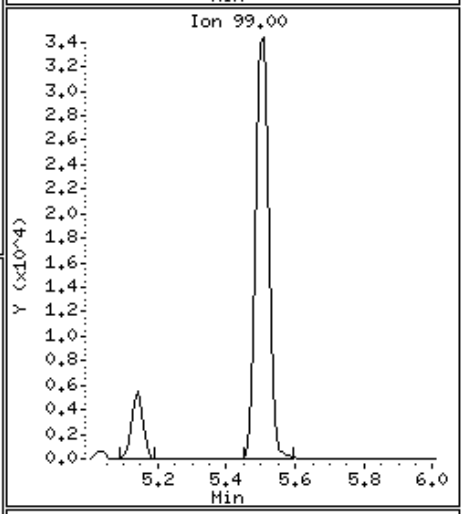


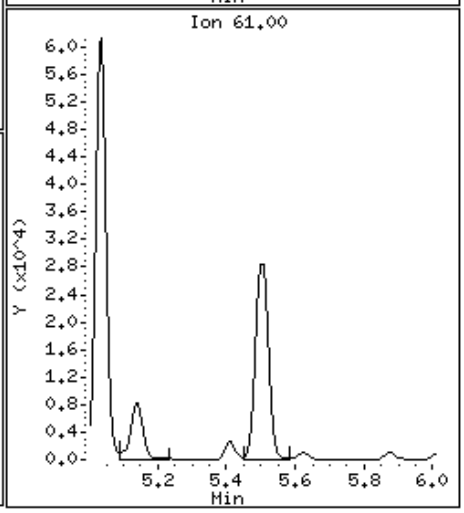












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

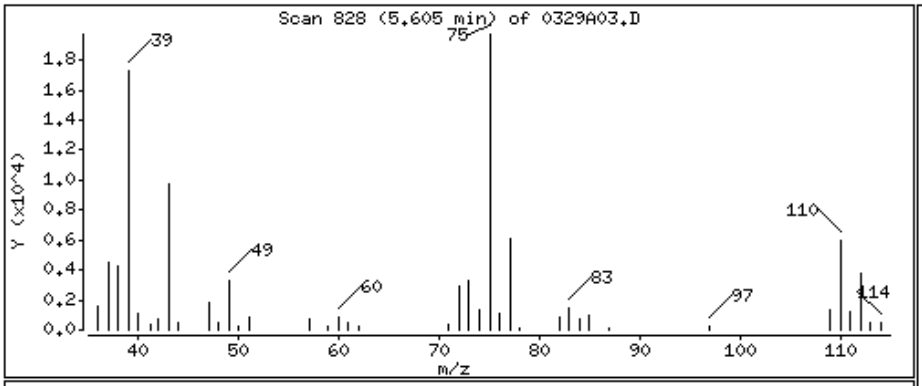
Operator: PD

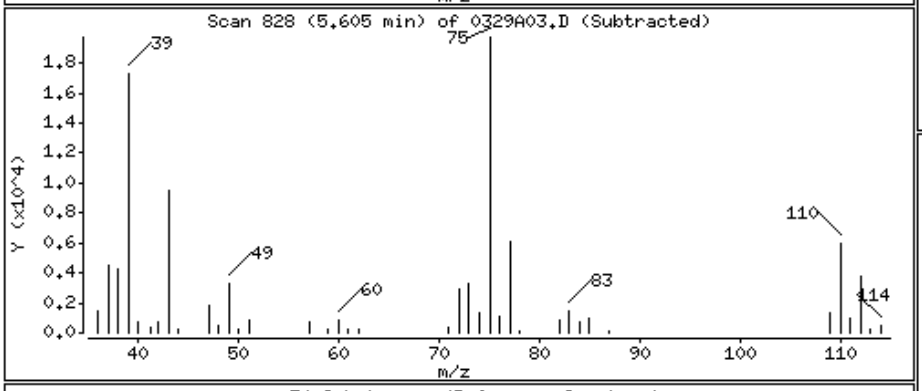
Column phase:

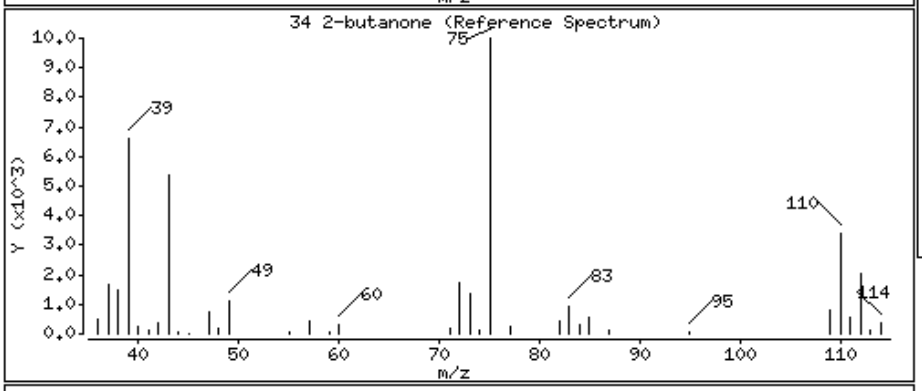
Column diameter: 0.18

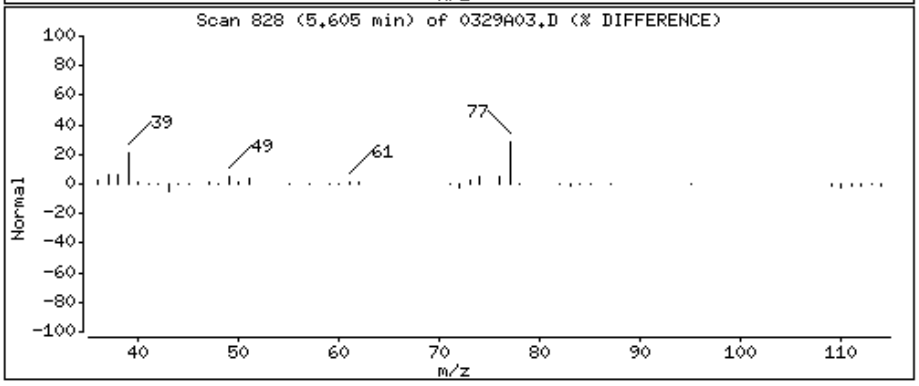
34 2-butanone

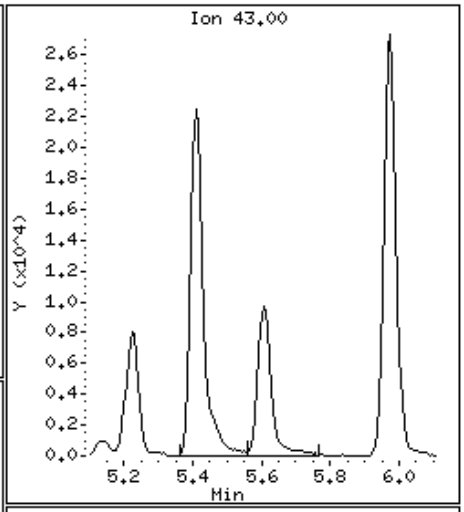
Concentration: 118.577 ngs

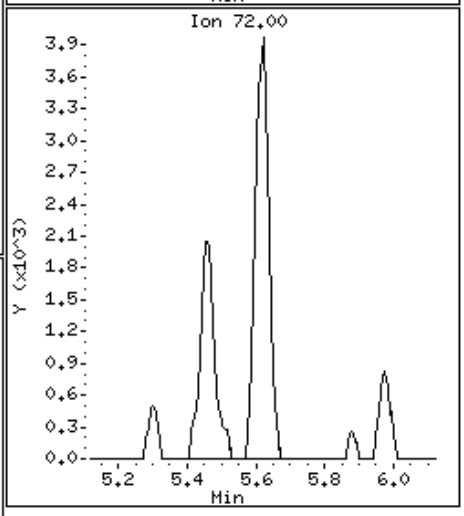












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

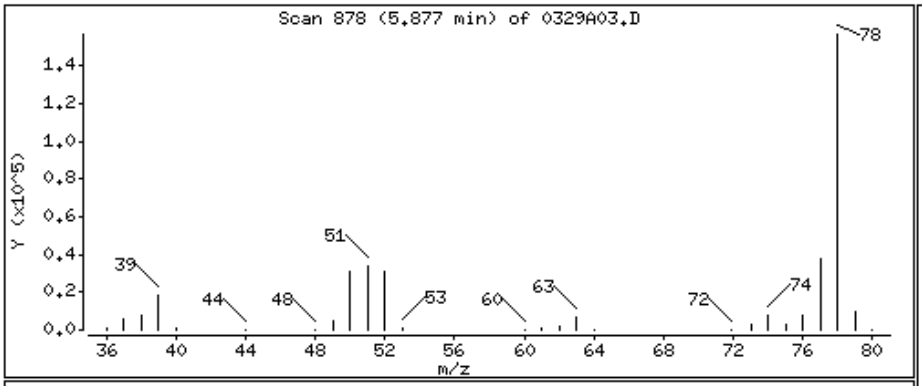
Operator: PD

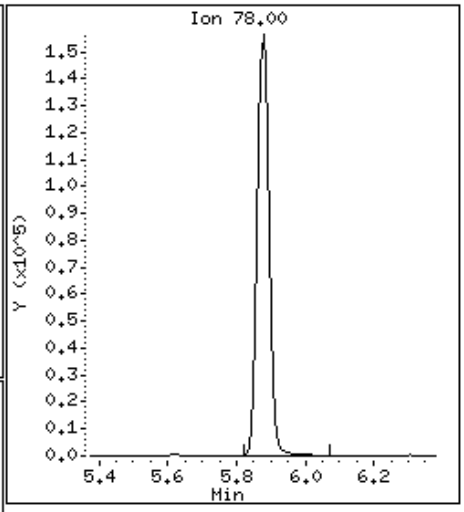
Column phase:

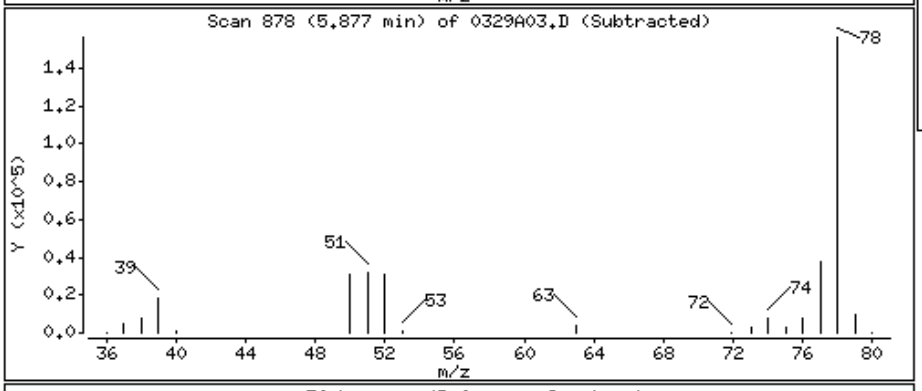
Column diameter: 0.18

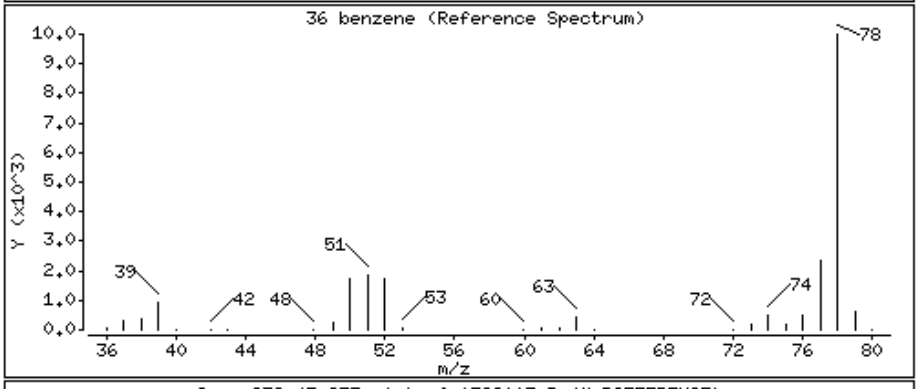
36 benzene

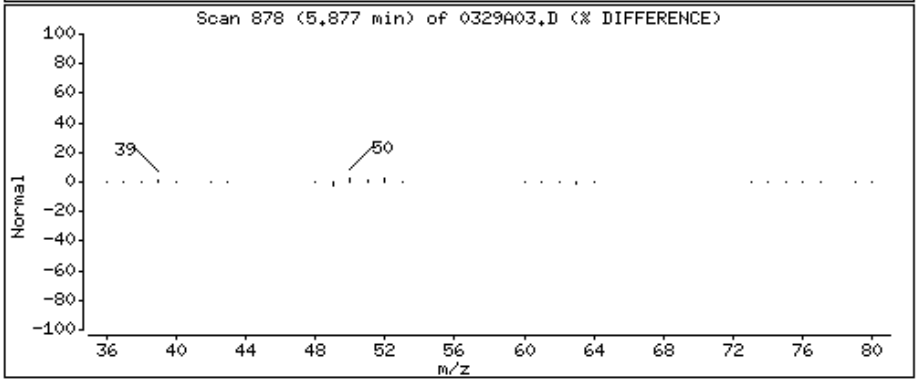
Concentration: 107.672 ngs











Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

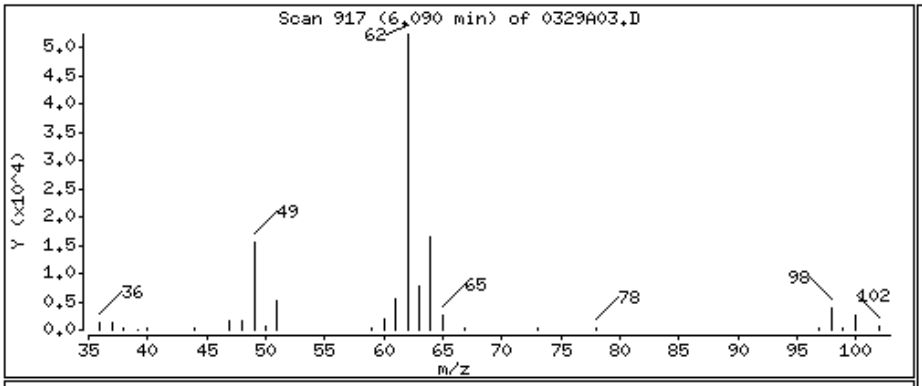
Operator: PD

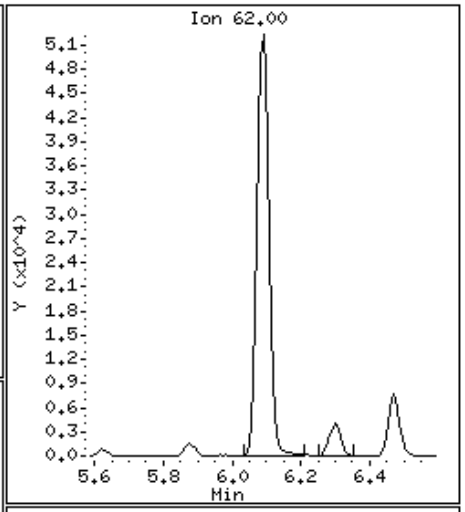
Column phase:

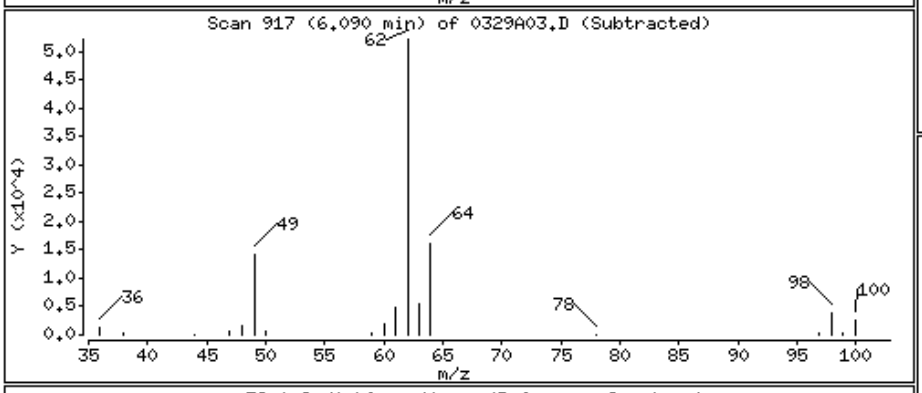
Column diameter: 0.18

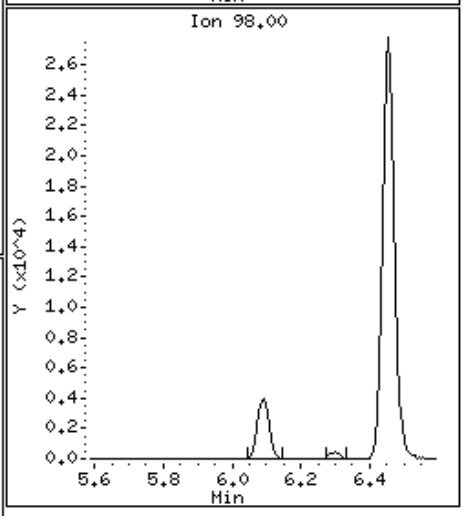
39 1,2-dichloroethane

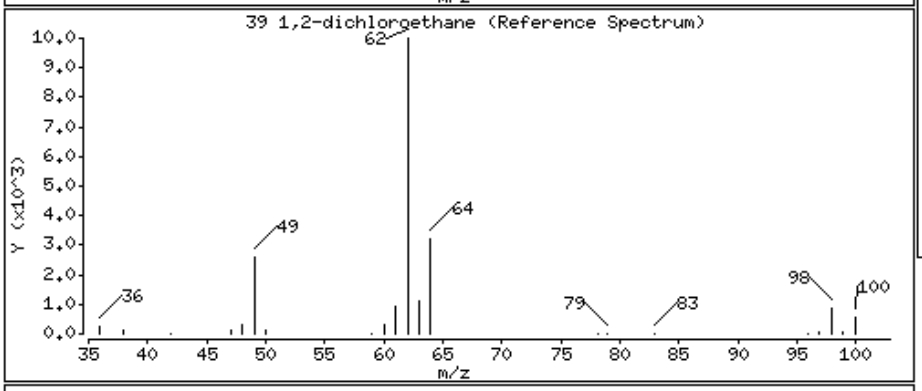
Concentration: 121.078 ngs

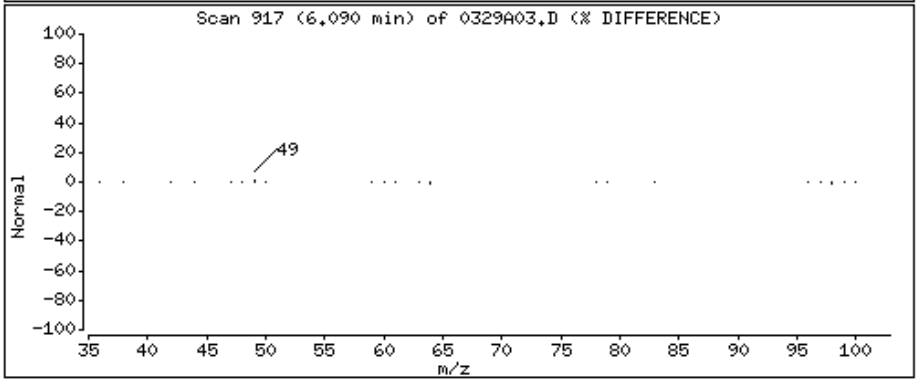












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

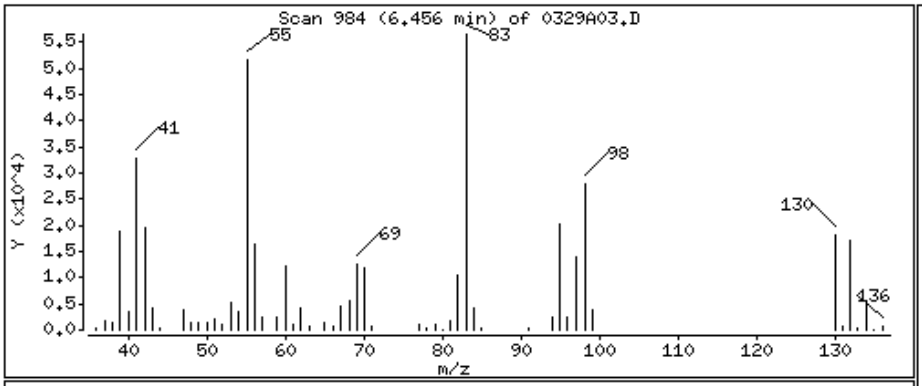
Operator: PD

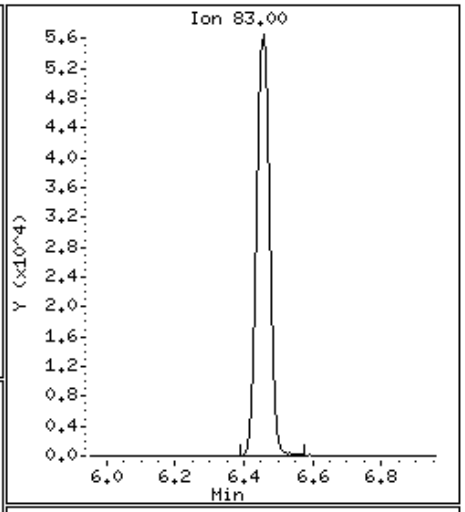
Column phase:

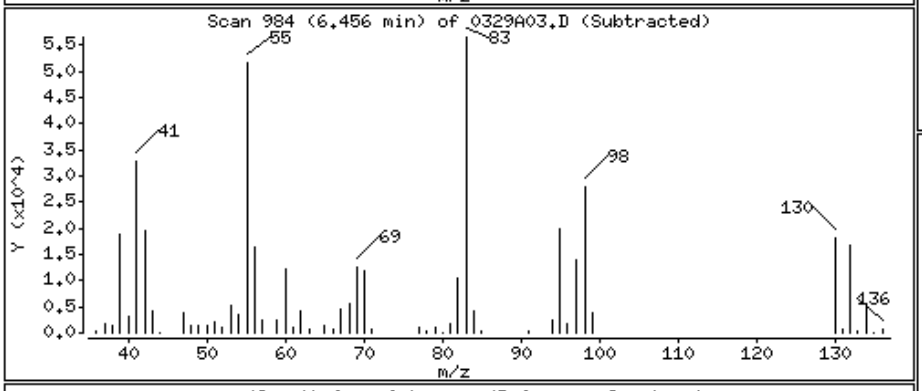
Column diameter: 0.18

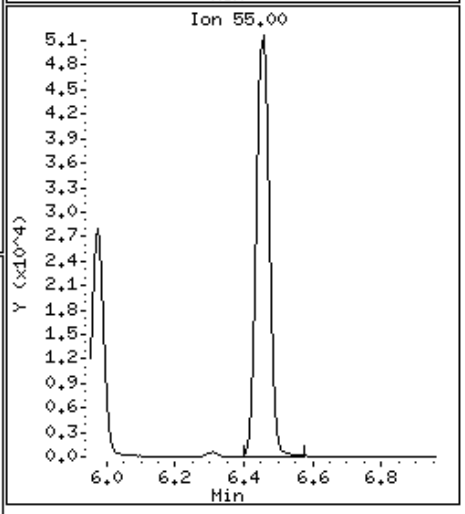
42 methyl cyclohexane

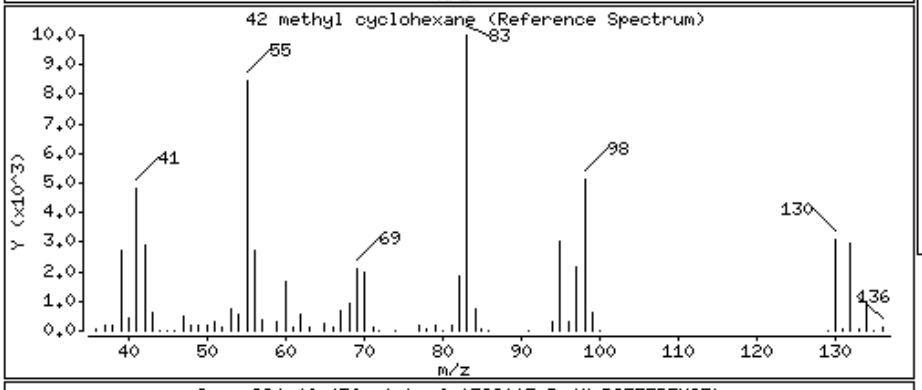
Concentration: 98.990 ngs

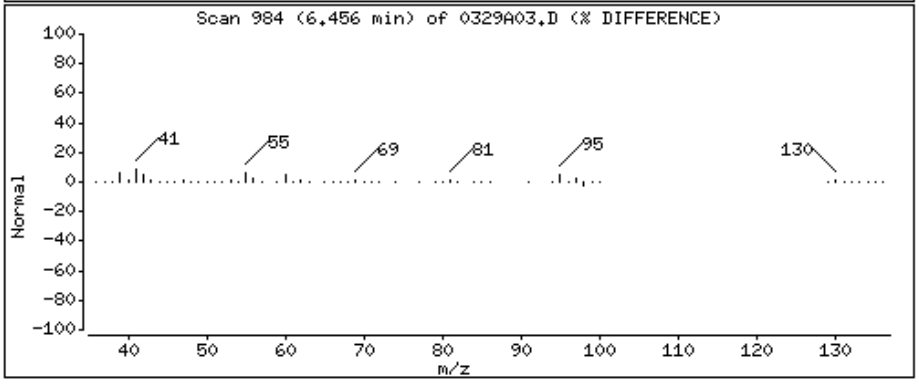












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

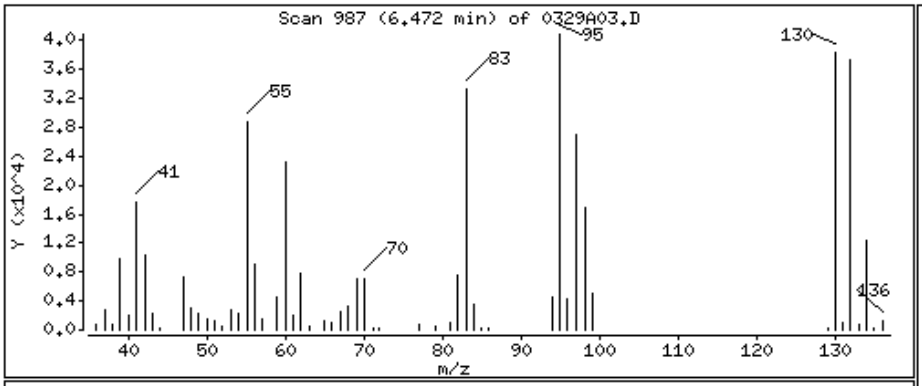
Operator: PD

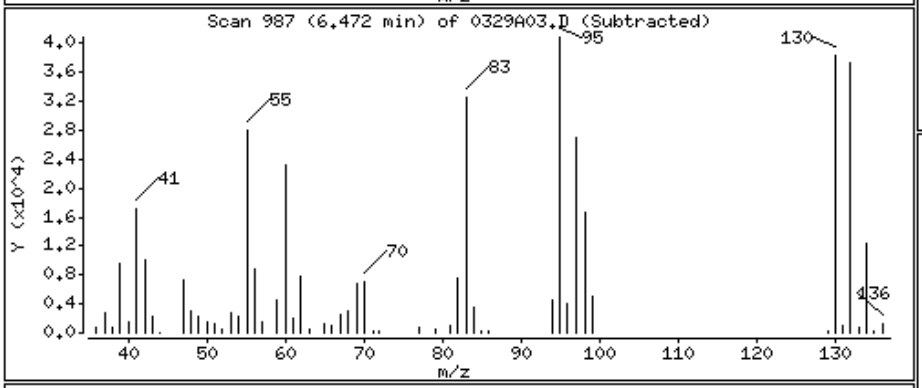
Column phase:

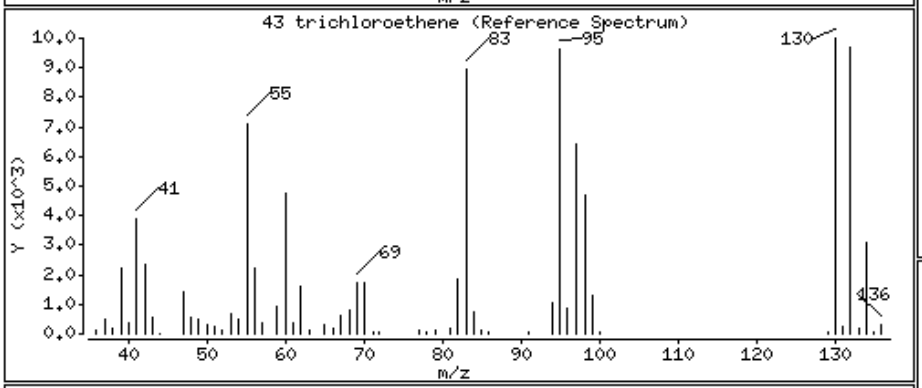
Column diameter: 0.18

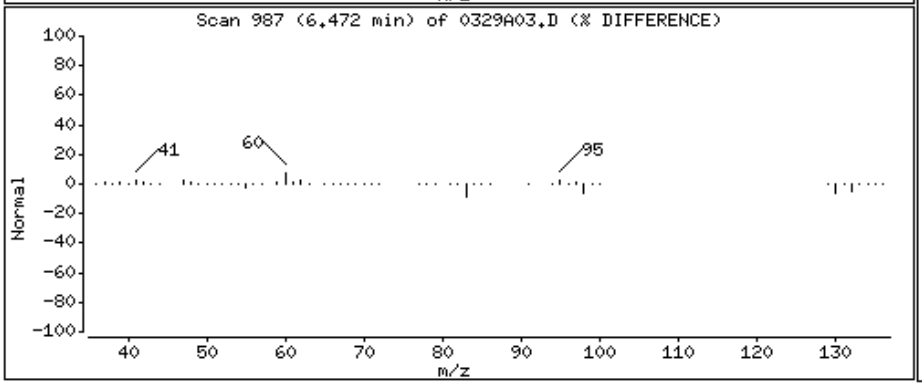
43 trichloroethene

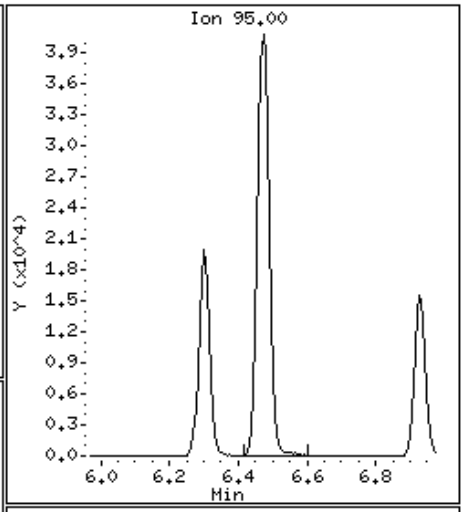
Concentration: 105.303 ngs

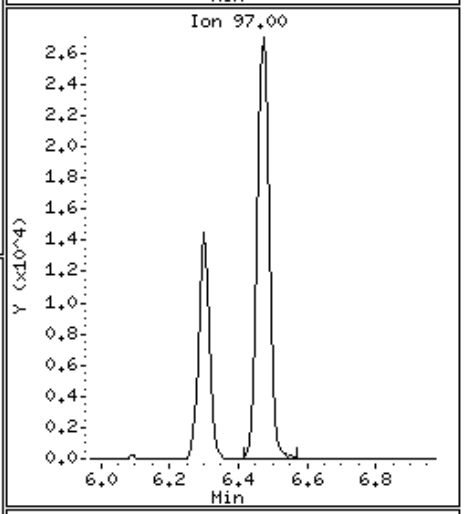


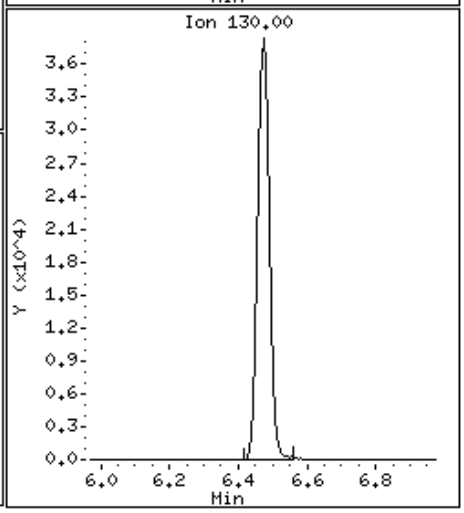












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

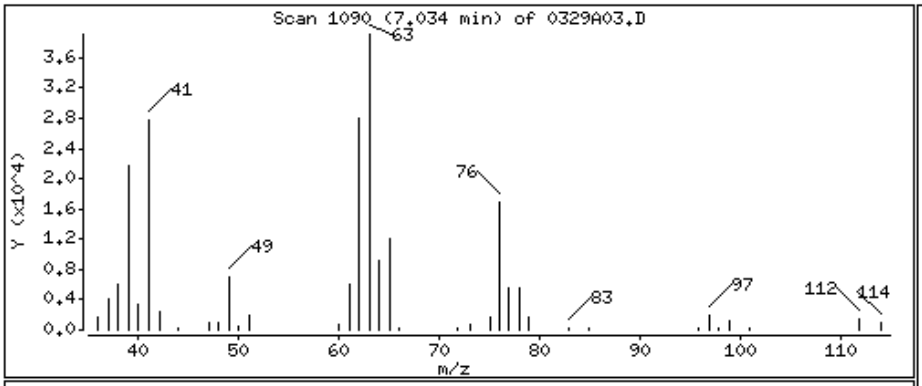
Operator: PD

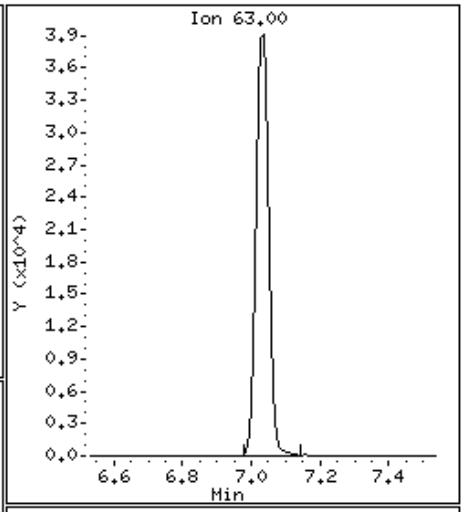
Column phase:

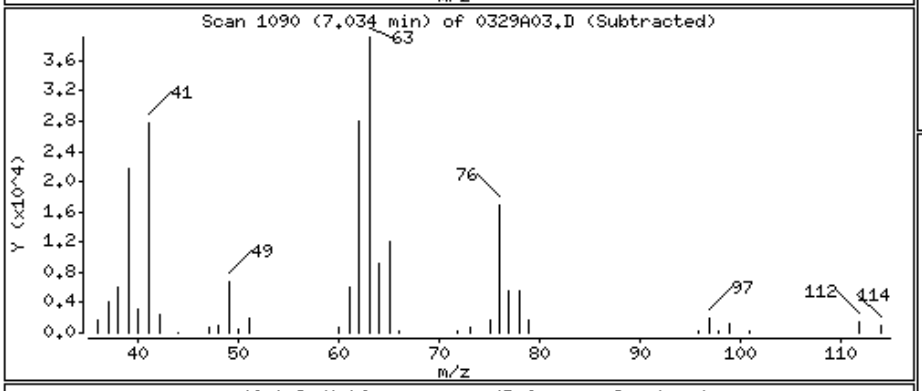
Column diameter: 0.18

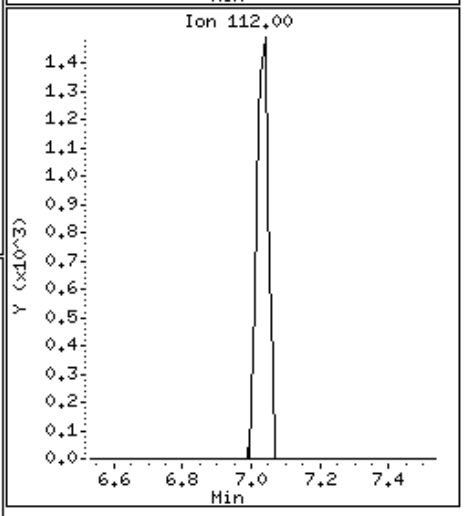
46 1,2-dichloropropane

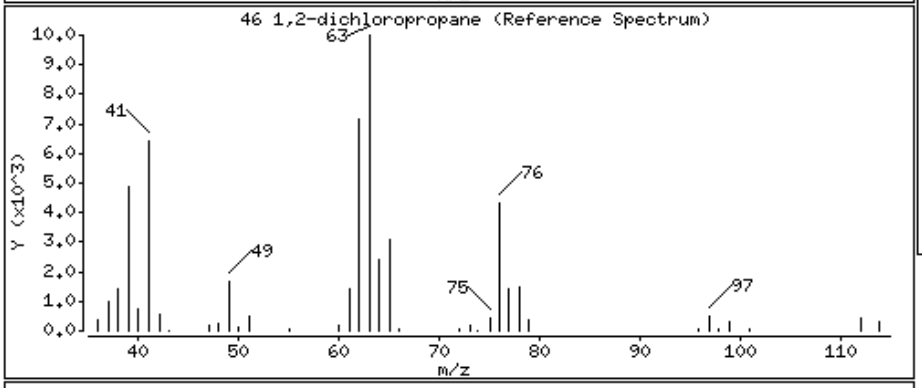
Concentration: 115.162 ngs

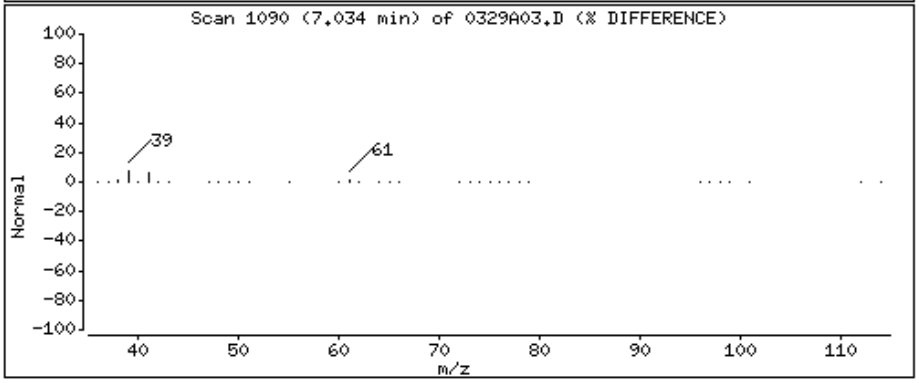












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

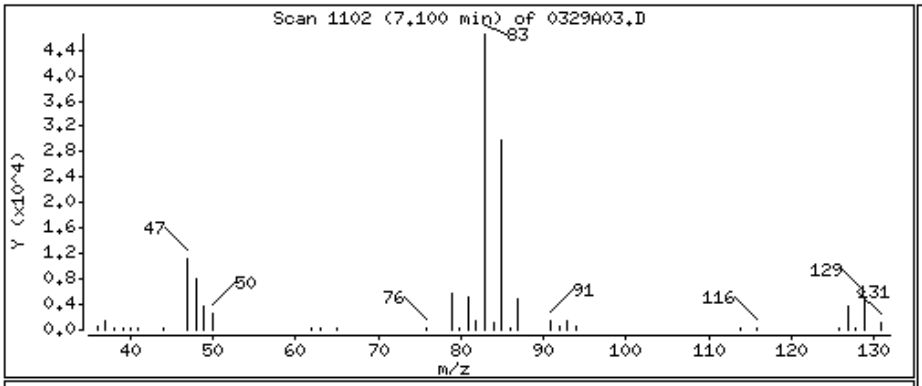
Operator: PD

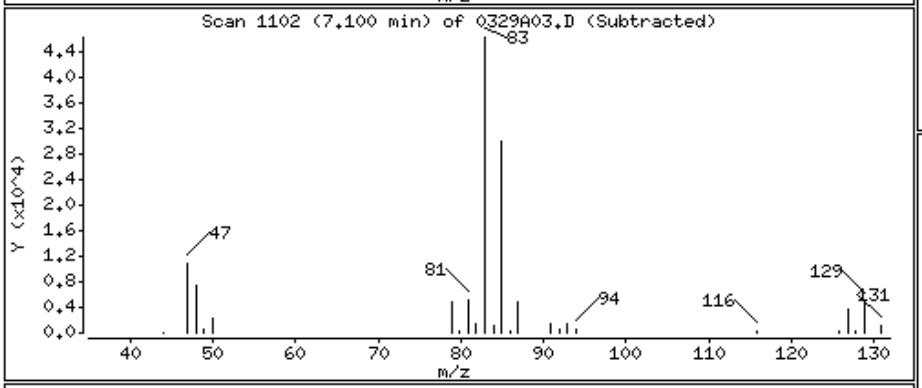
Column phase:

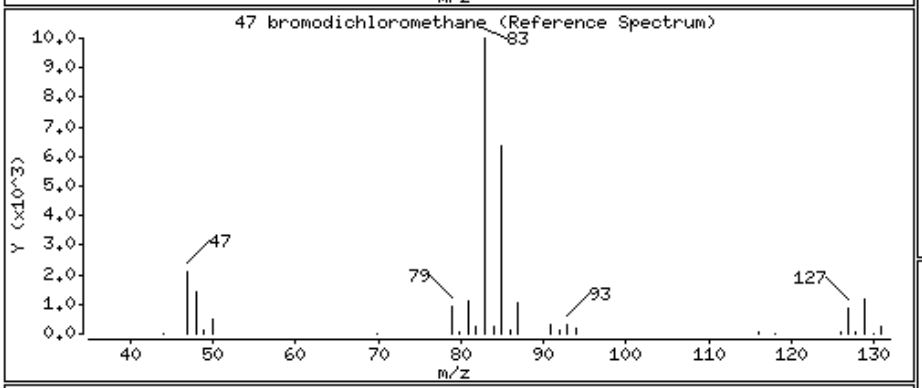
Column diameter: 0.18

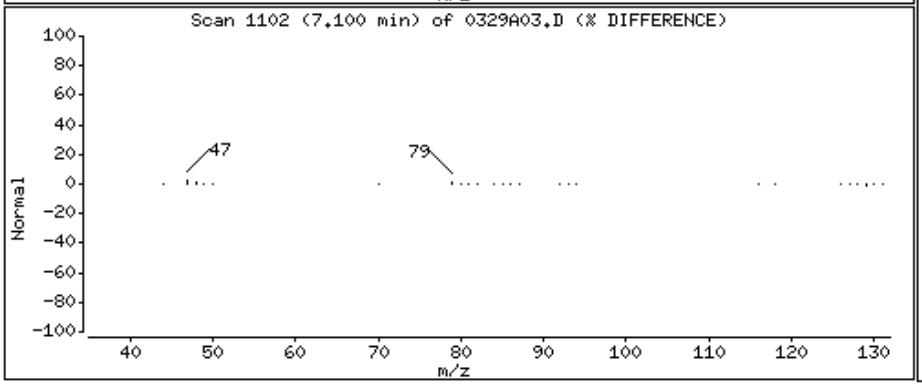
47 bromodichloromethane

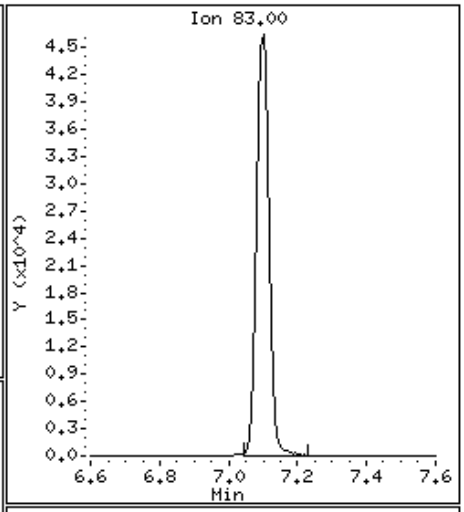
Concentration: 107.077 ngs

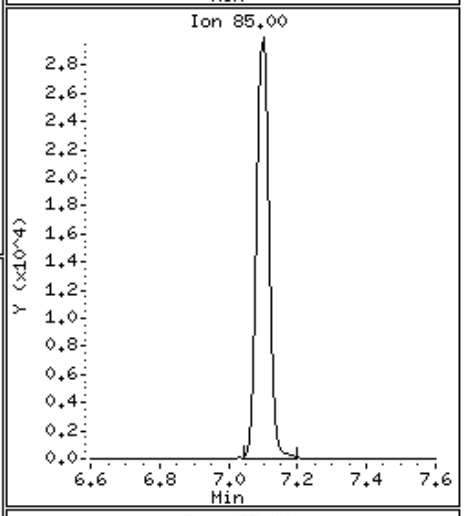


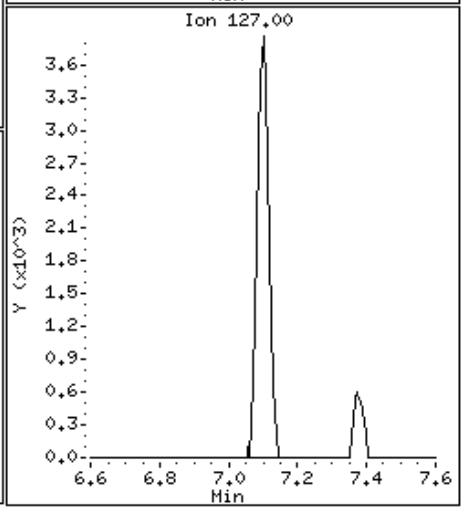












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

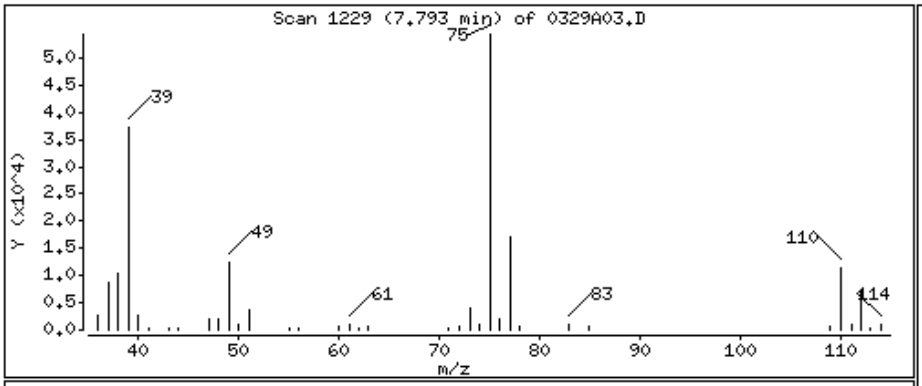
Operator: PD

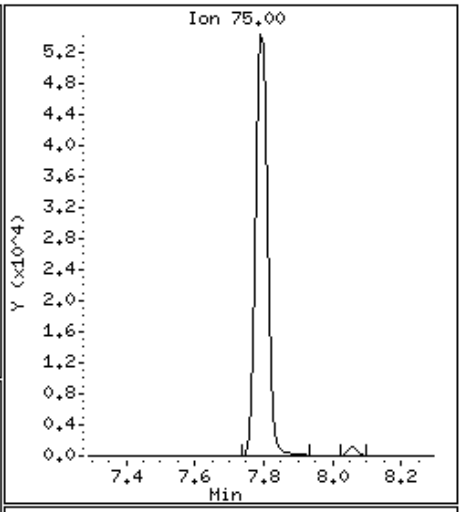
Column phase:

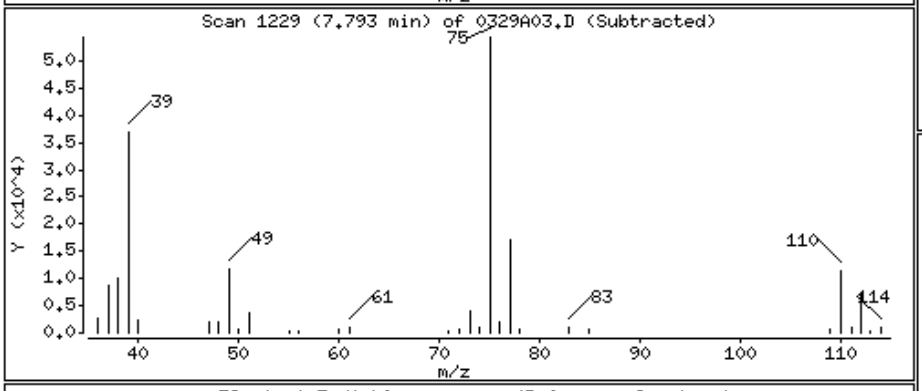
Column diameter: 0.18

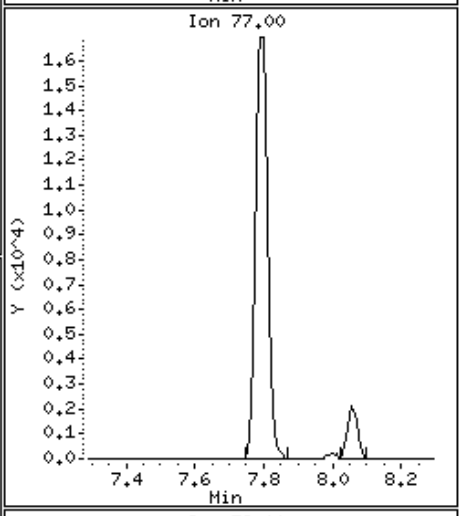
52 cis-1,3-dichloropropene

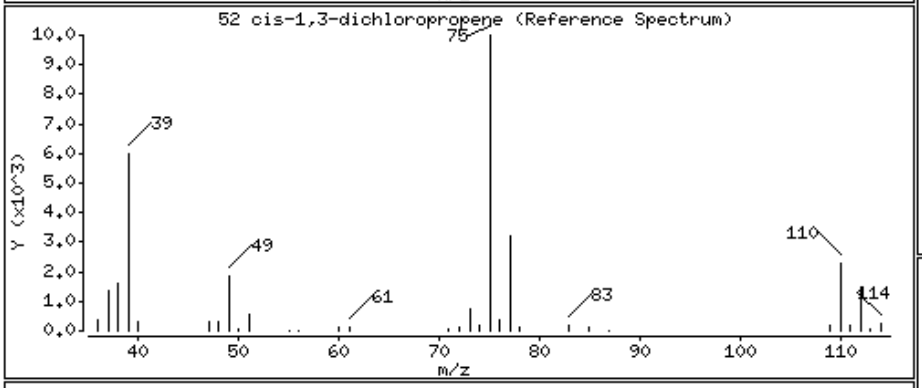
Concentration: 100.816 ngs

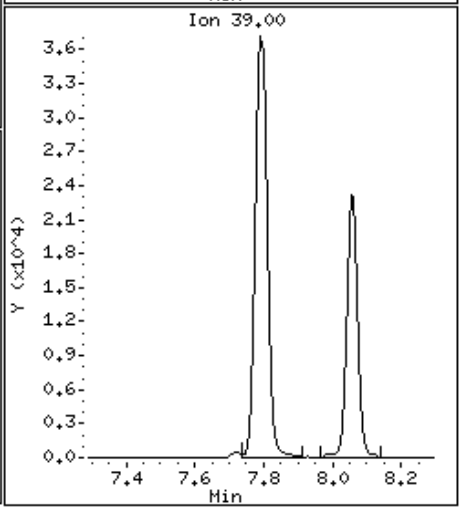


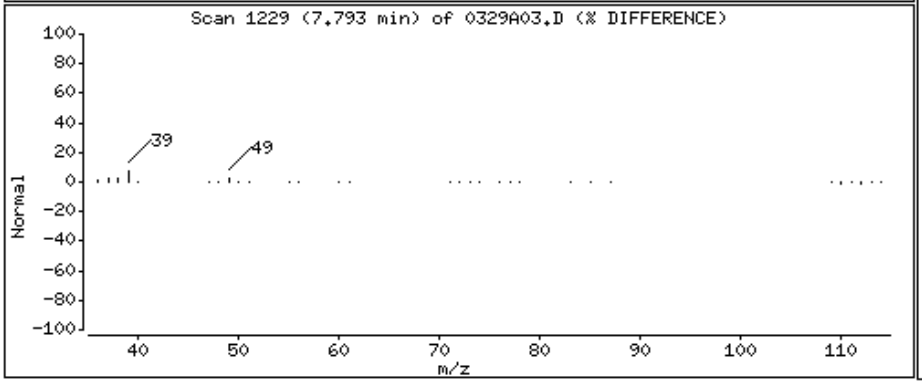












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

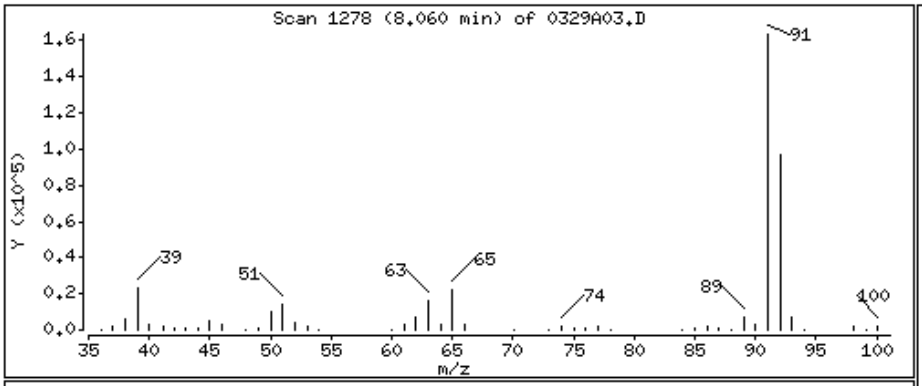
Operator: PD

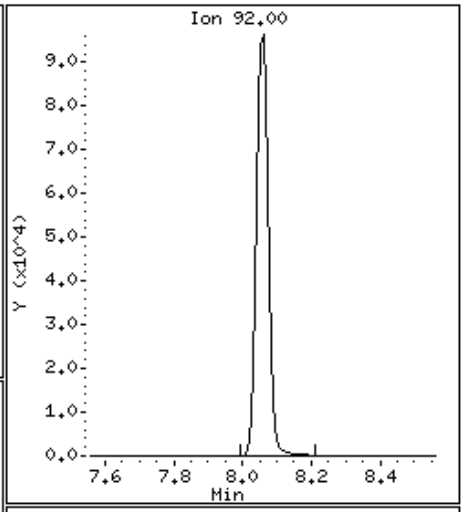
Column phase:

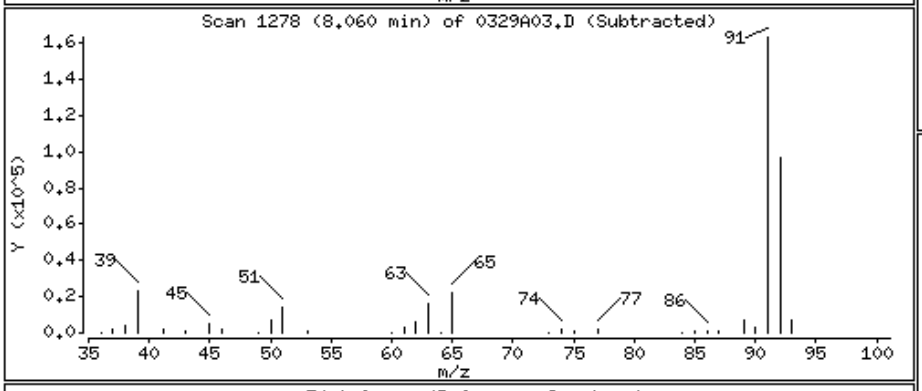
Column diameter: 0.18

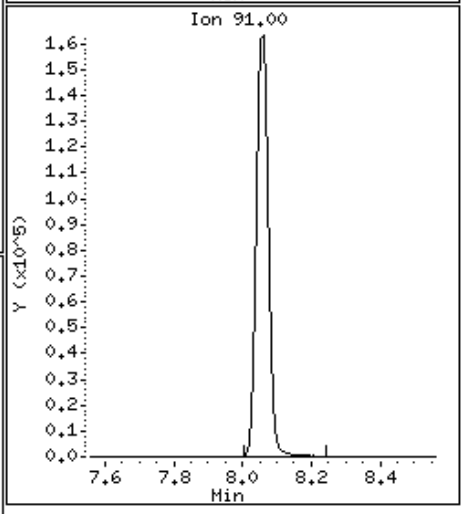
54 toluene

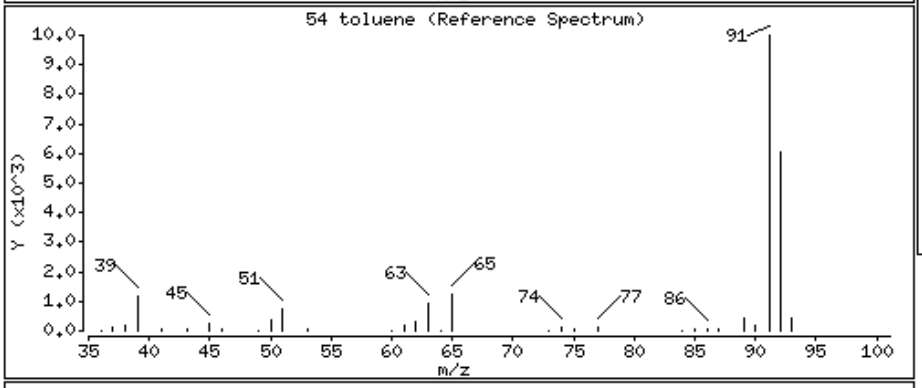
Concentration: 97.085 ngs

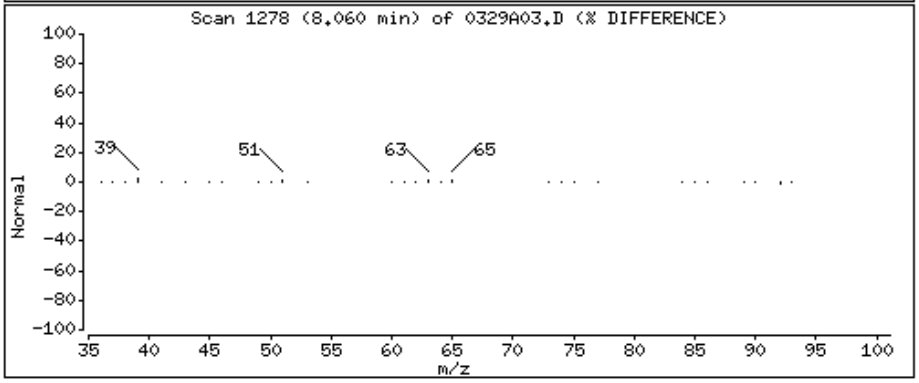












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

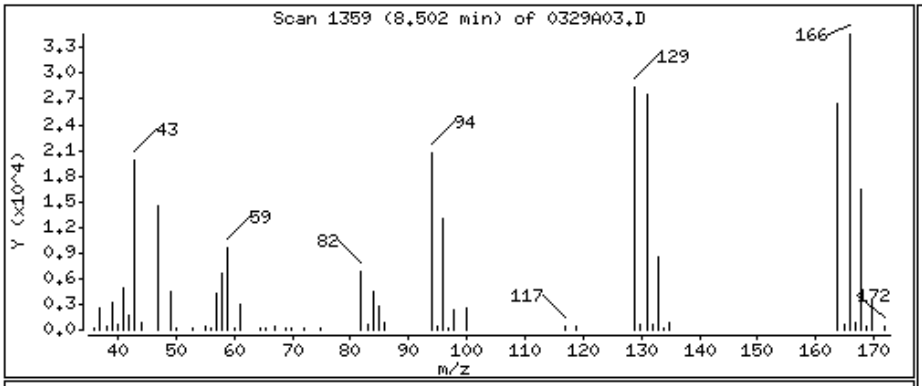
Operator: PD

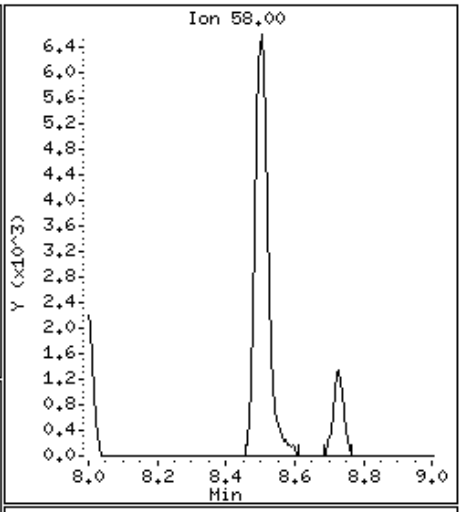
Column phase:

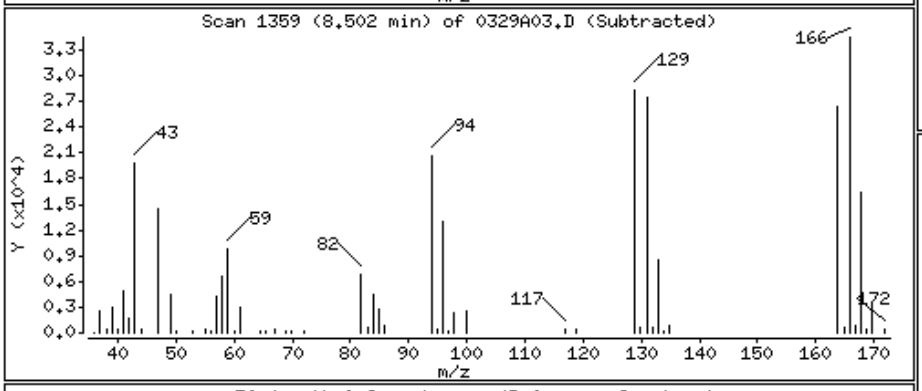
Column diameter: 0.18

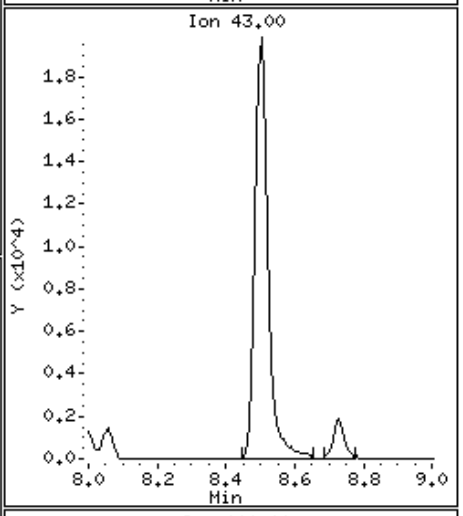
56 4-methyl-2-pentanone

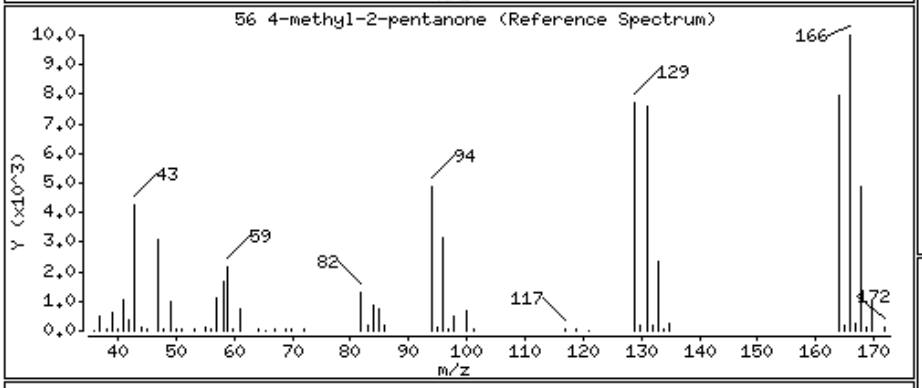
Concentration: 104.722 ngs

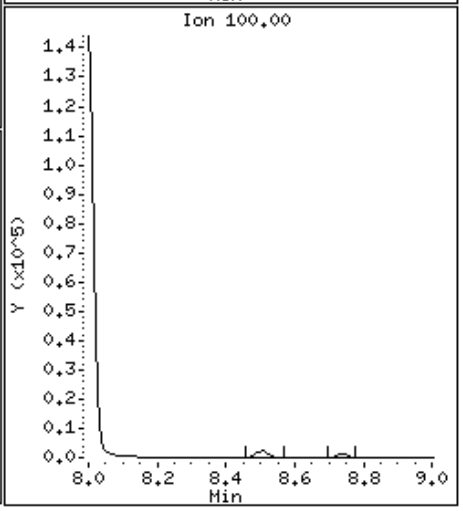


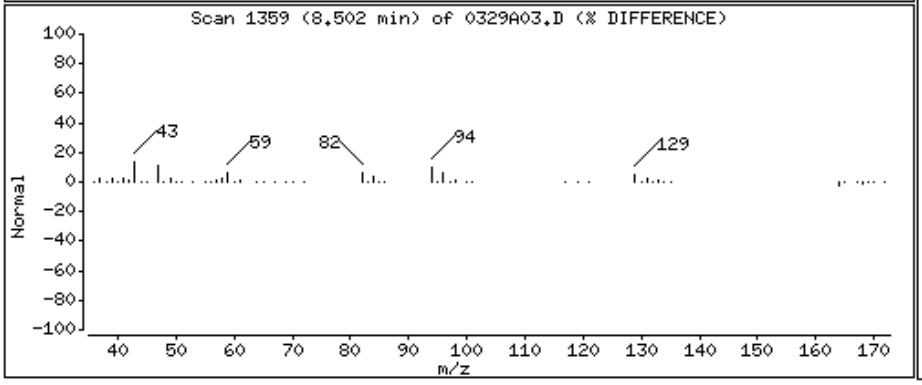












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

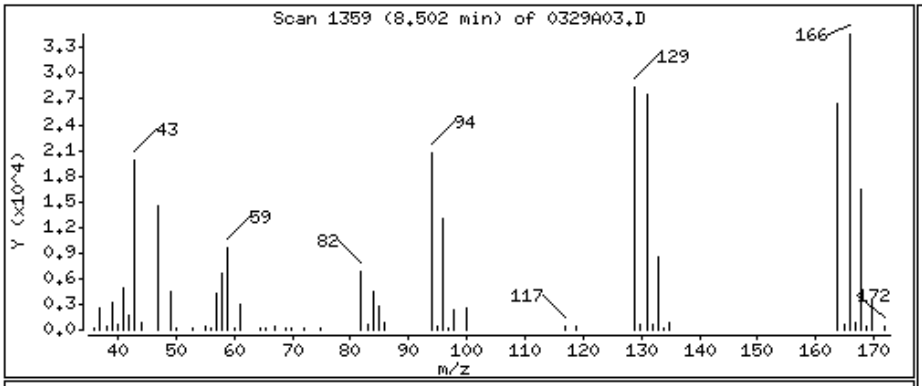
Operator: PD

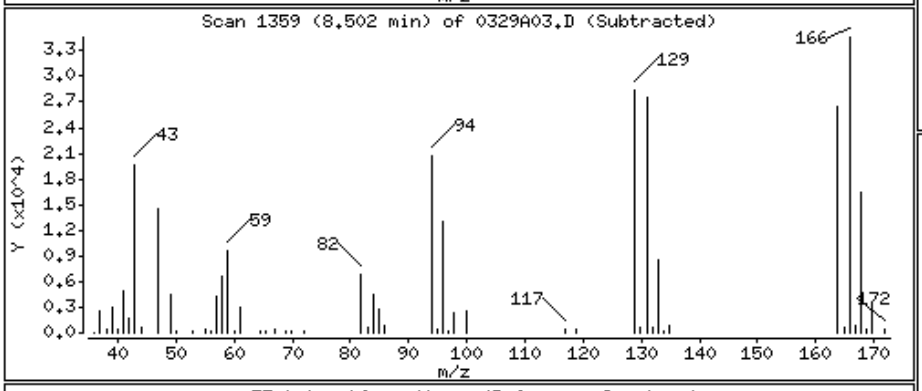
Column phase:

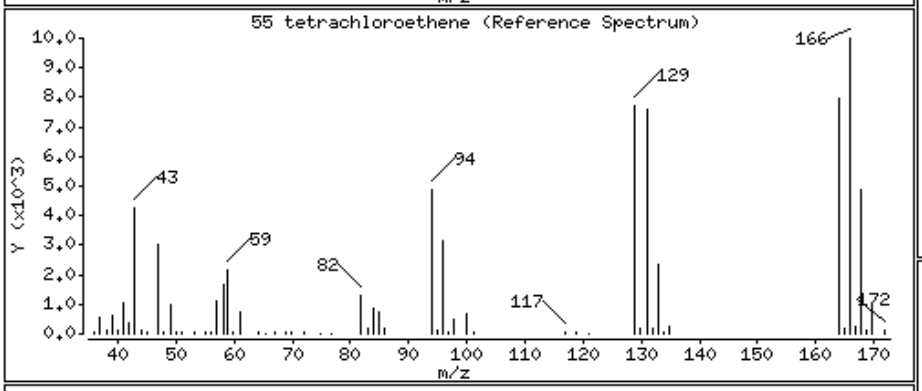
Column diameter: 0.18

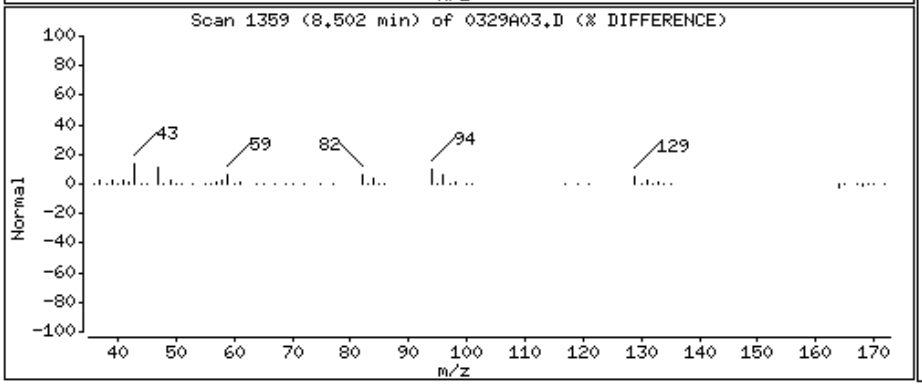
55 tetrachloroethene

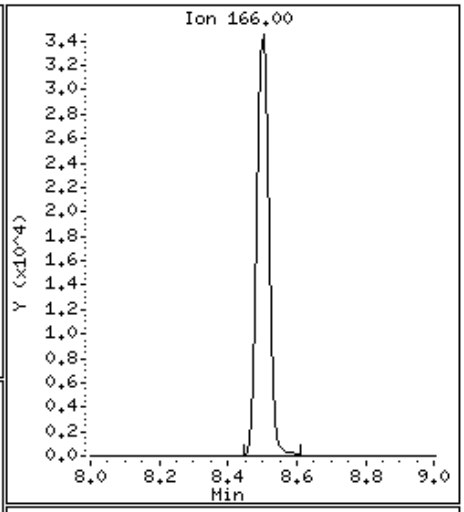
Concentration: 92.785 ngs

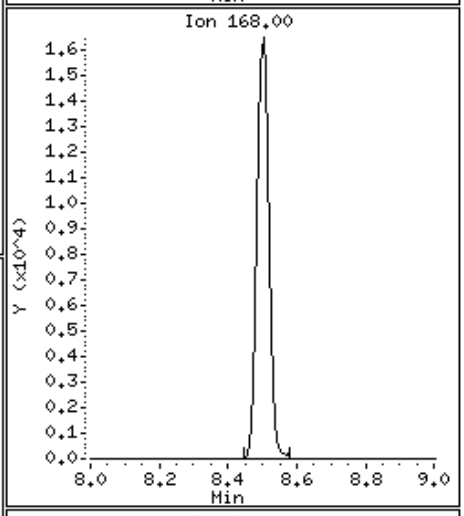


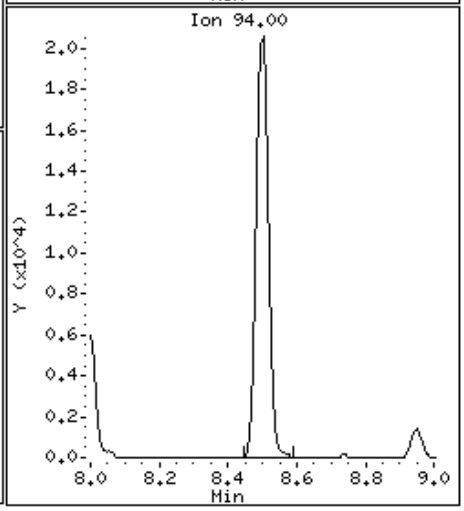












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

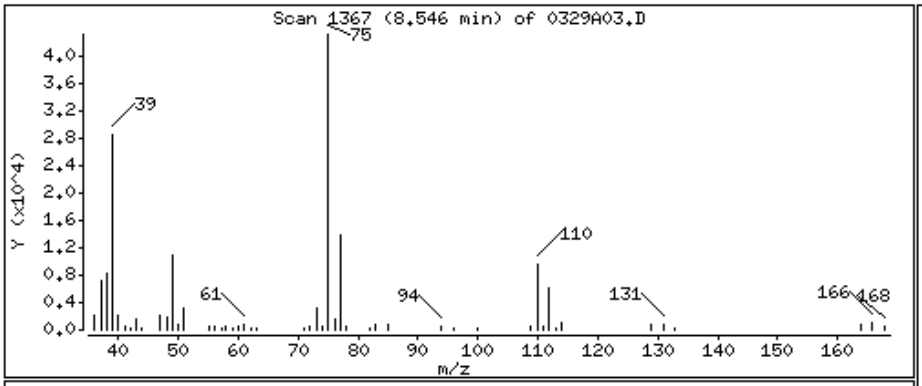
Operator: PD

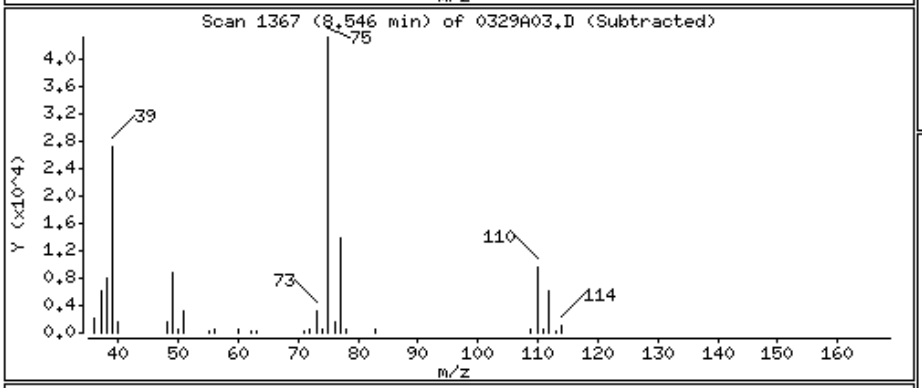
Column phase:

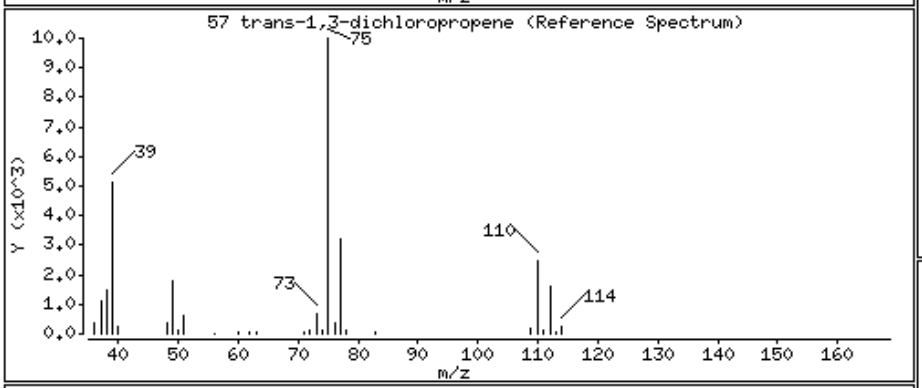
Column diameter: 0.18

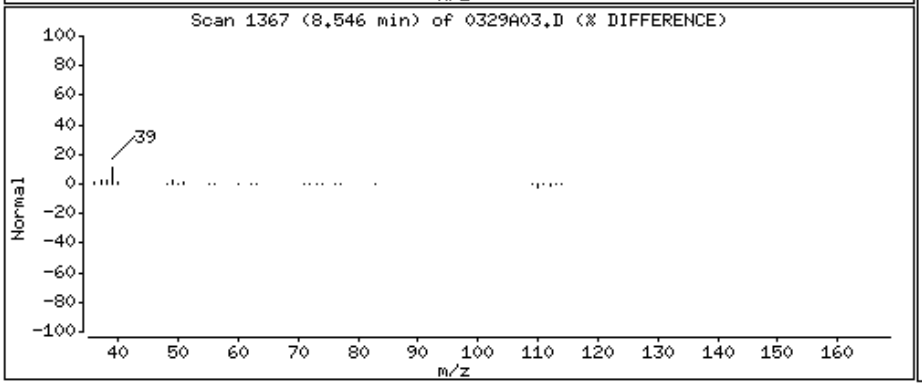
57 trans-1,3-dichloropropene

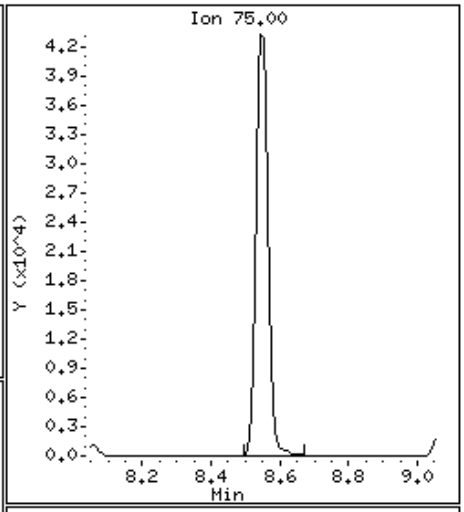
Concentration: 105.384 ngs

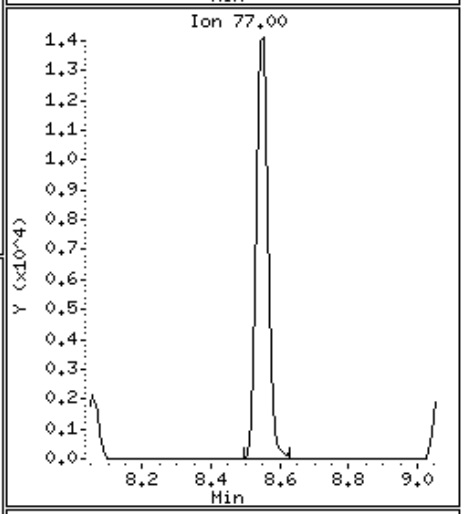


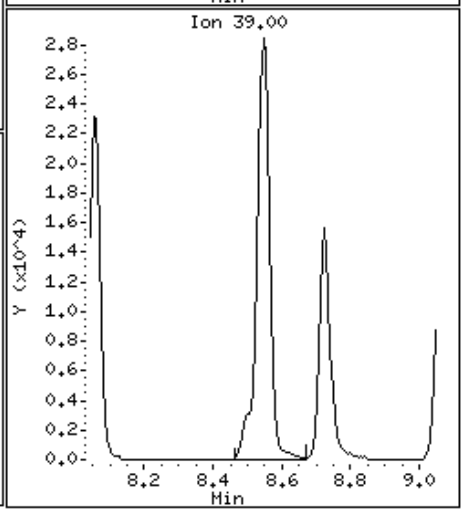












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

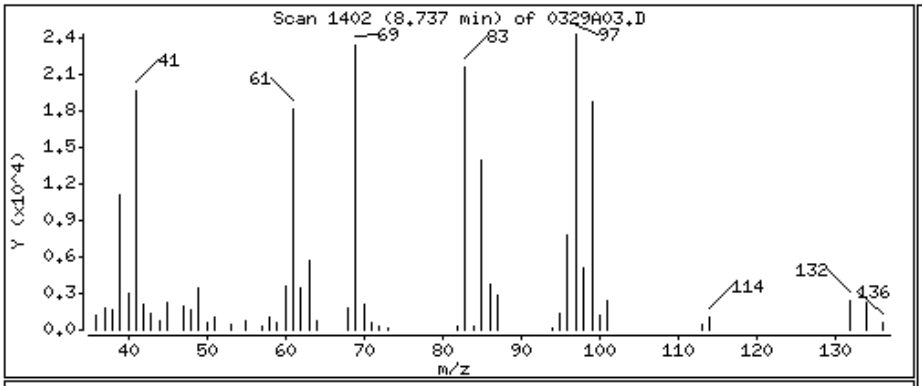
Operator: PD

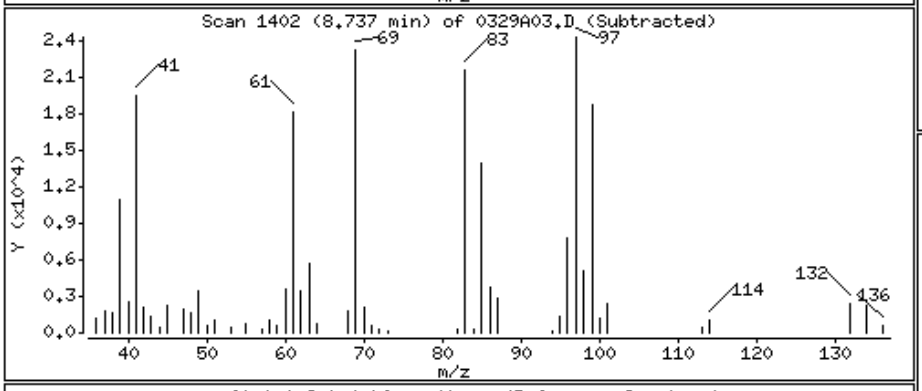
Column phase:

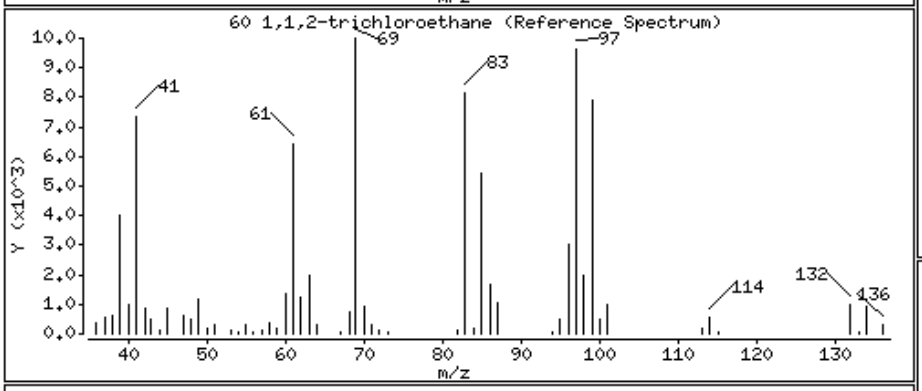
Column diameter: 0.18

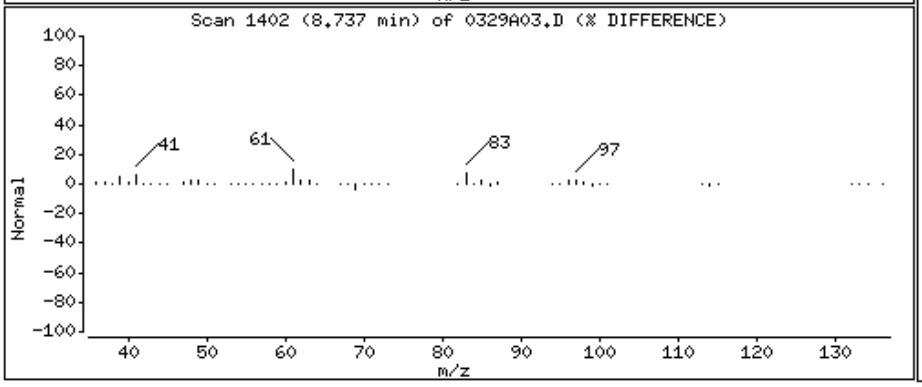
60 1,1,2-trichloroethane

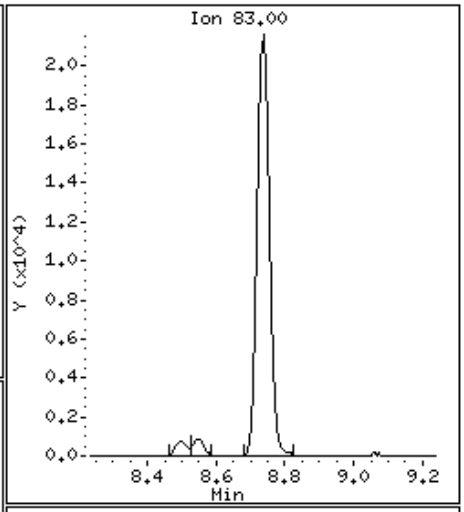
Concentration: 122.023 ngs

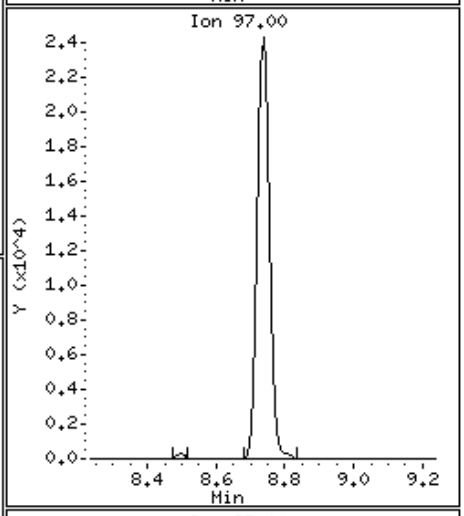


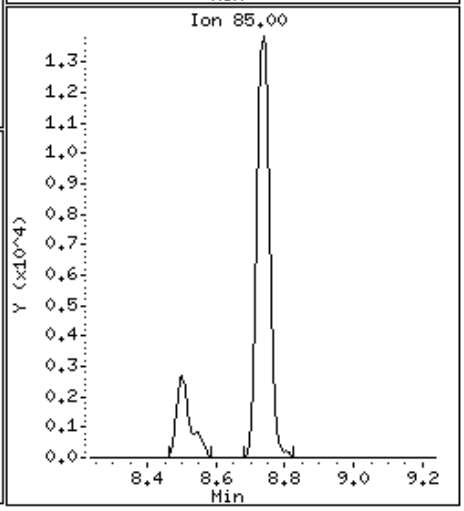












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

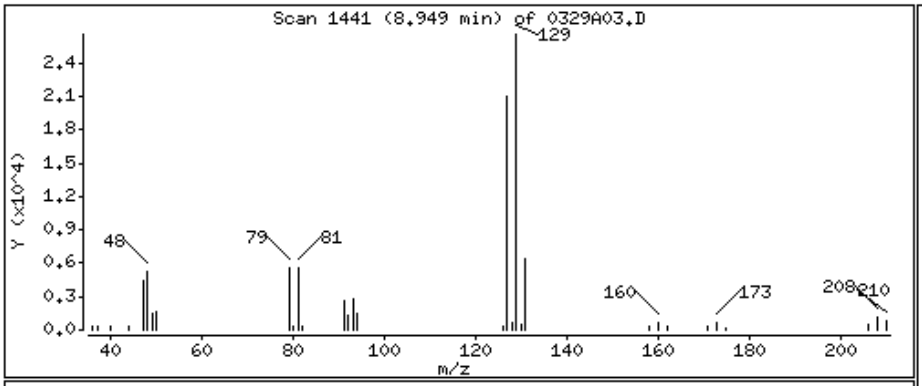
Operator: PD

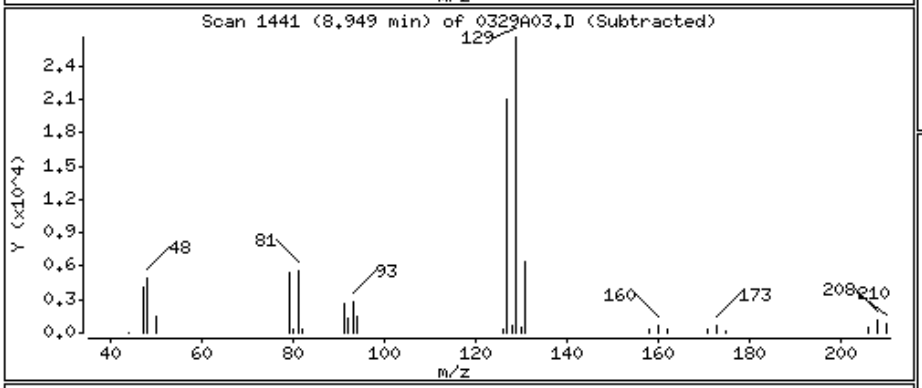
Column phase:

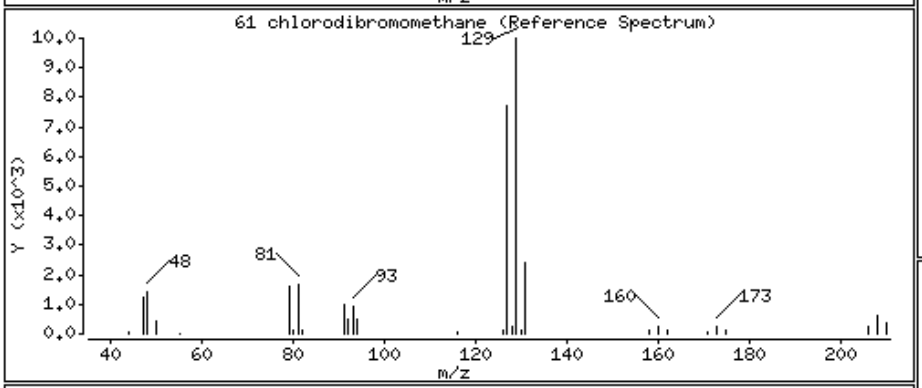
Column diameter: 0.18

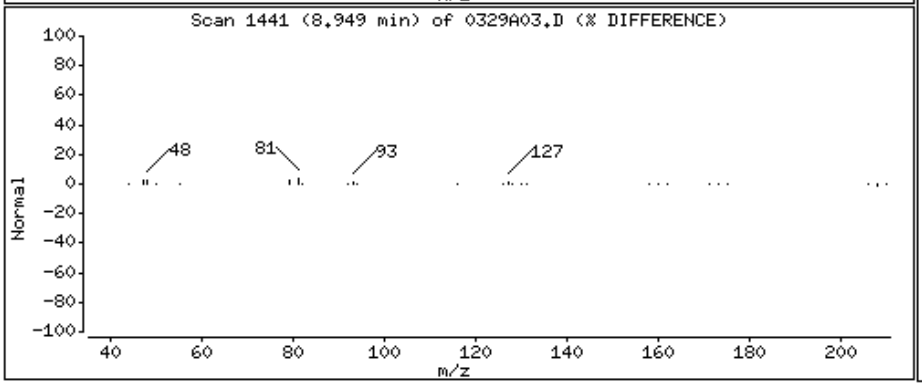
61 chlorodibromomethane

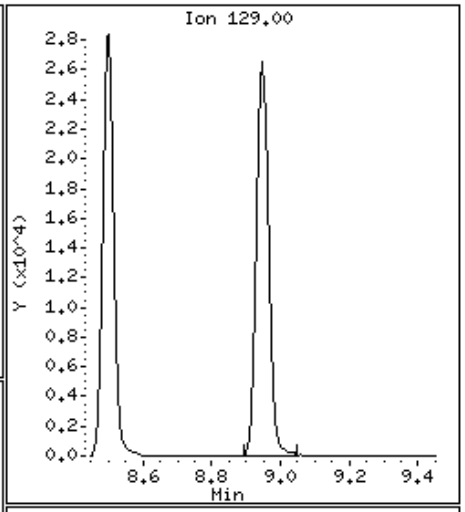
Concentration: 87.505 ngs

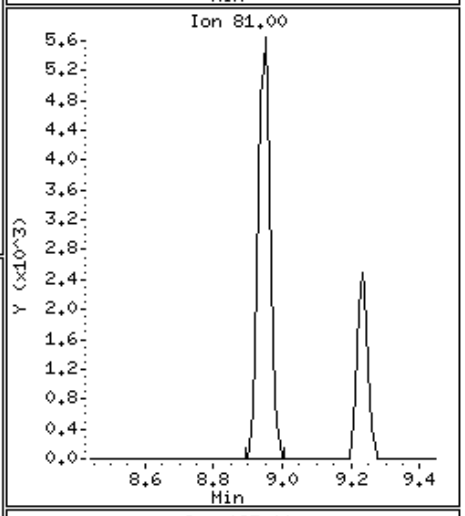


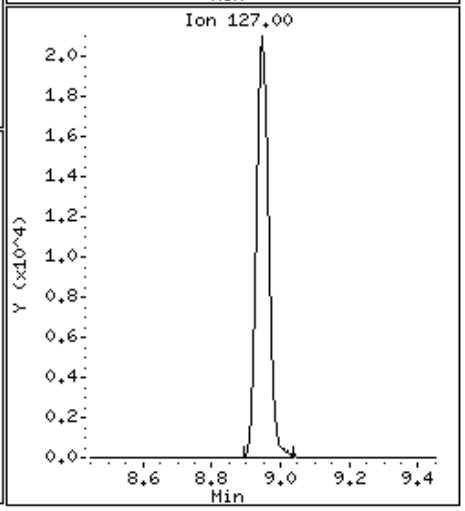












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

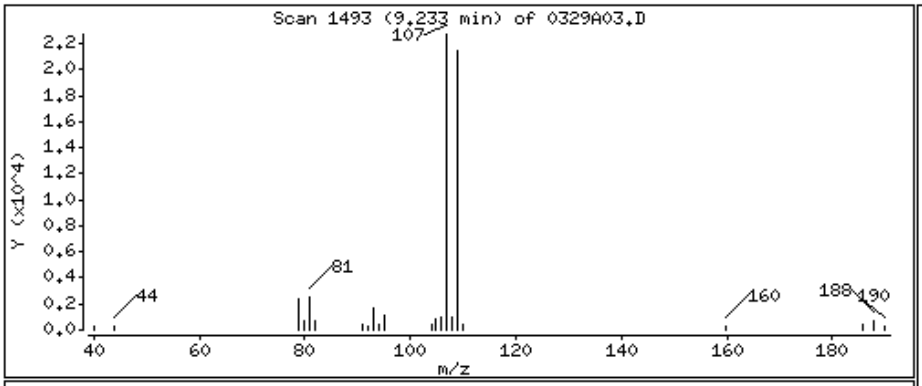
Operator: PD

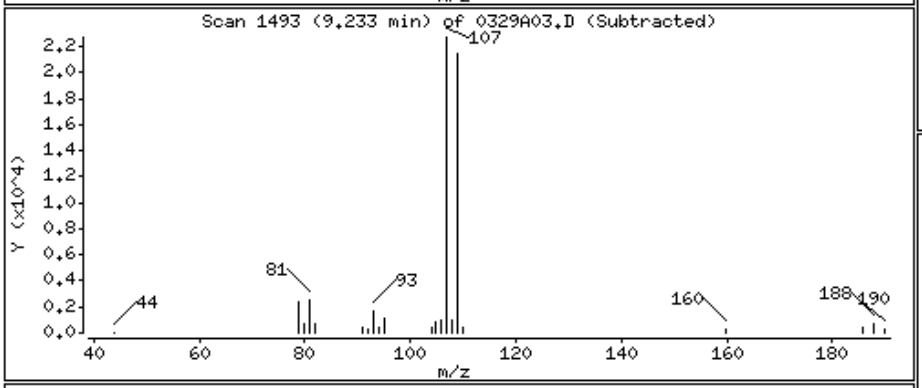
Column phase:

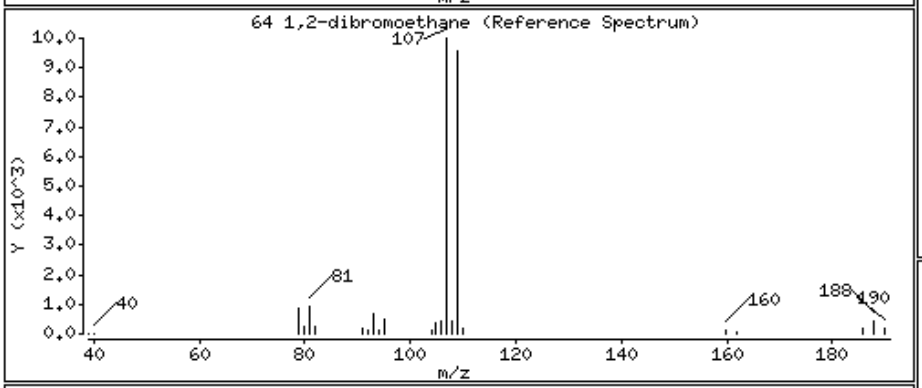
Column diameter: 0.18

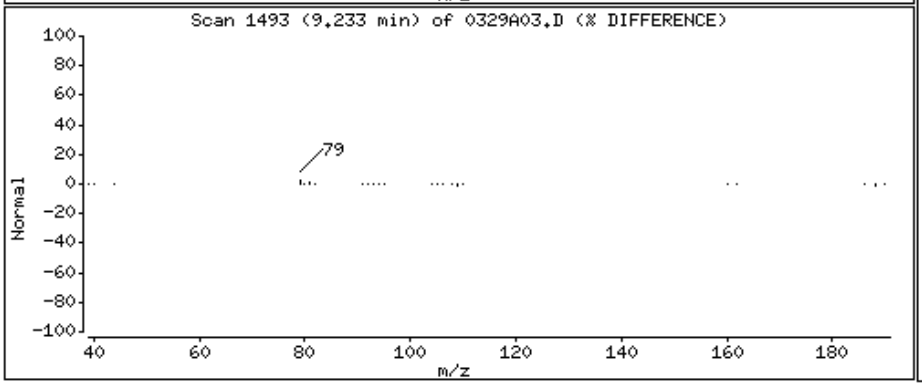
64 1,2-dibromoethane

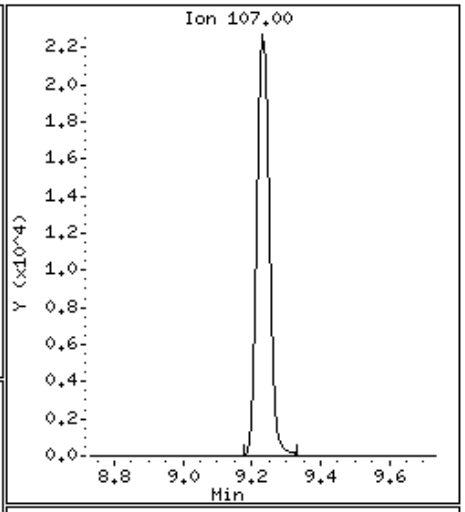
Concentration: 109.709 ngs

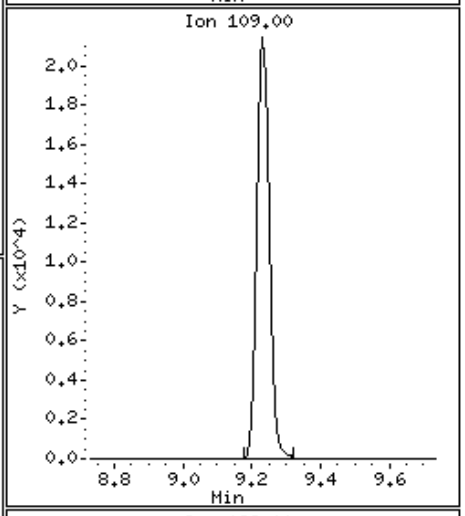


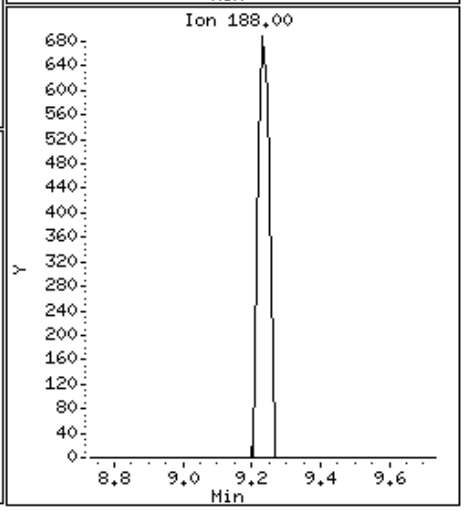












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

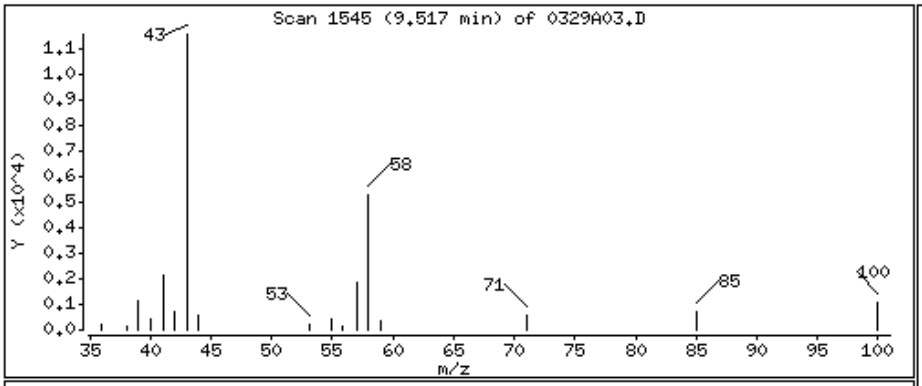
Operator: PD

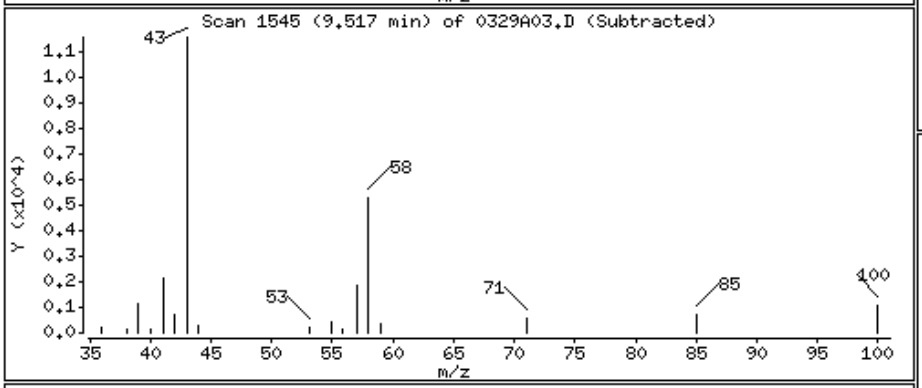
Column phase:

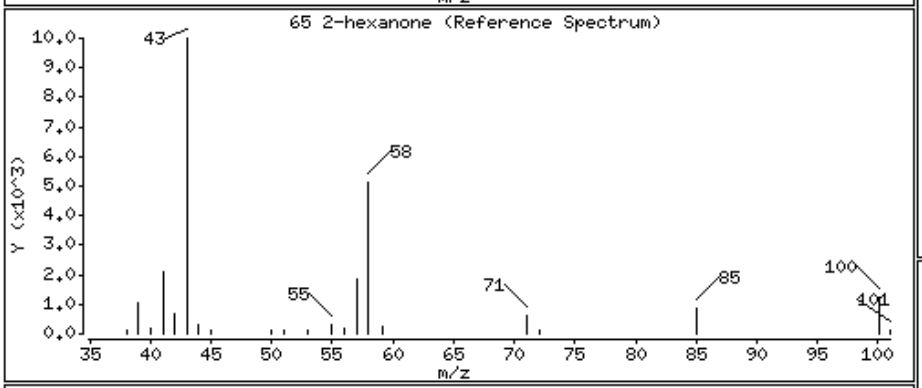
Column diameter: 0.18

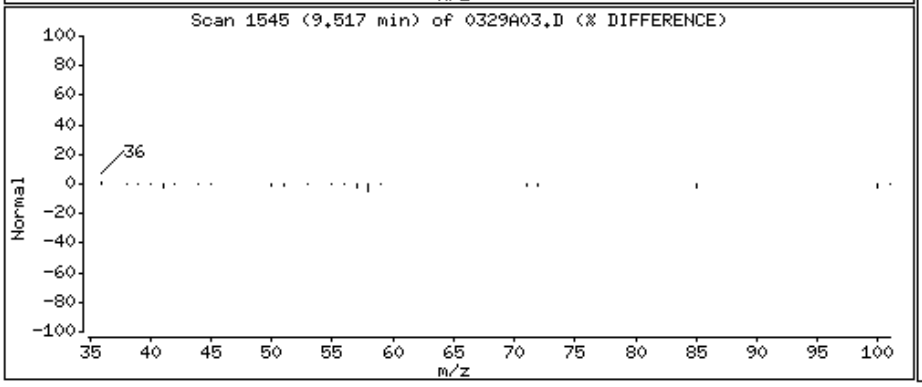
65 2-hexanone

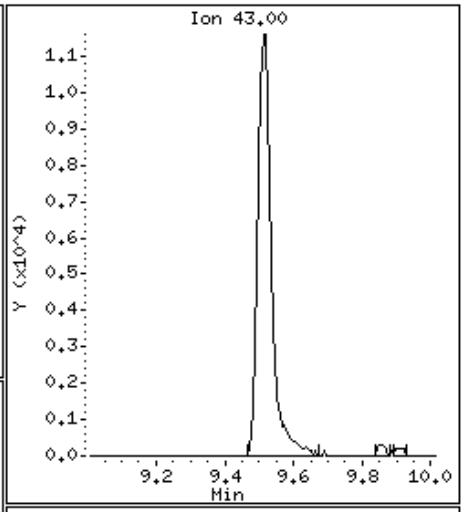
Concentration: 107.076 ngs

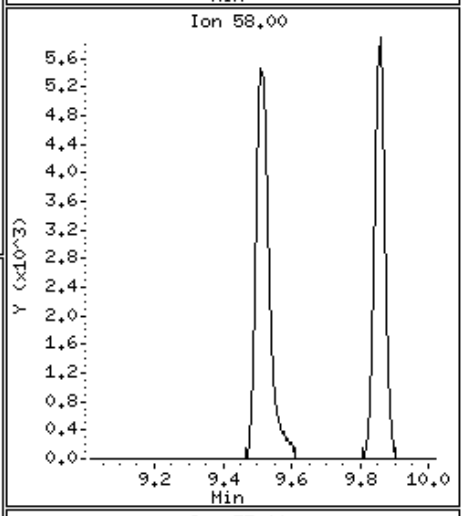


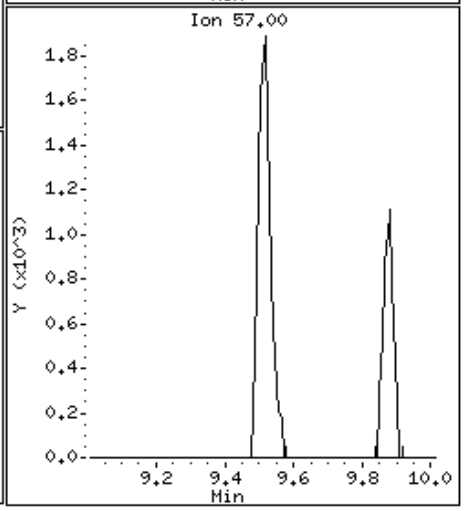












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

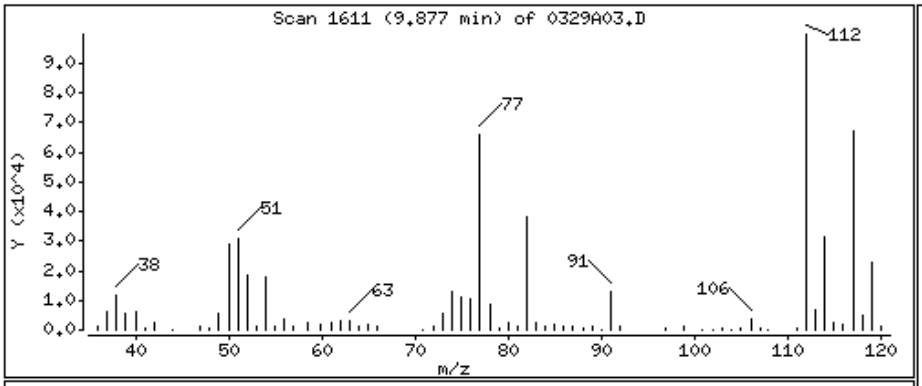
Operator: PD

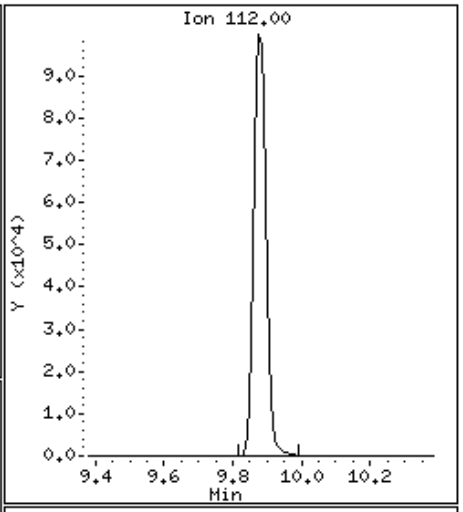
Column phase:

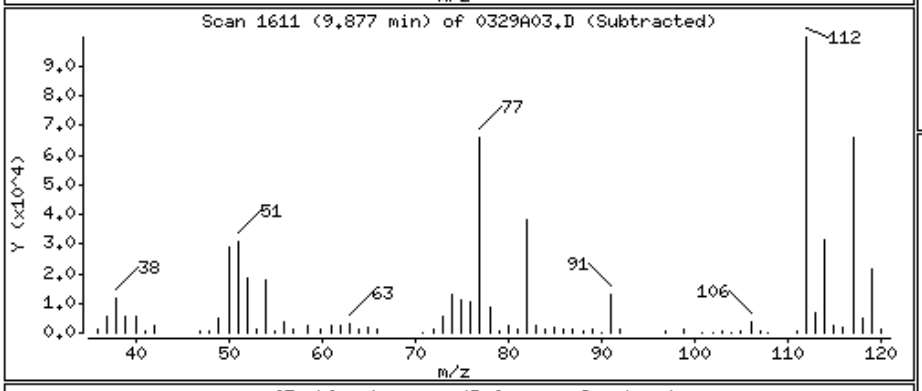
Column diameter: 0.18

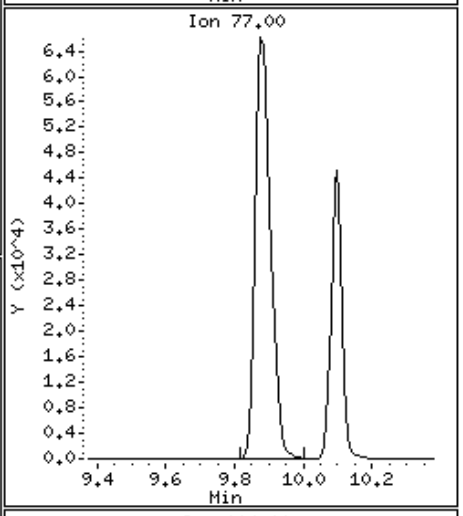
67 chlorobenzene

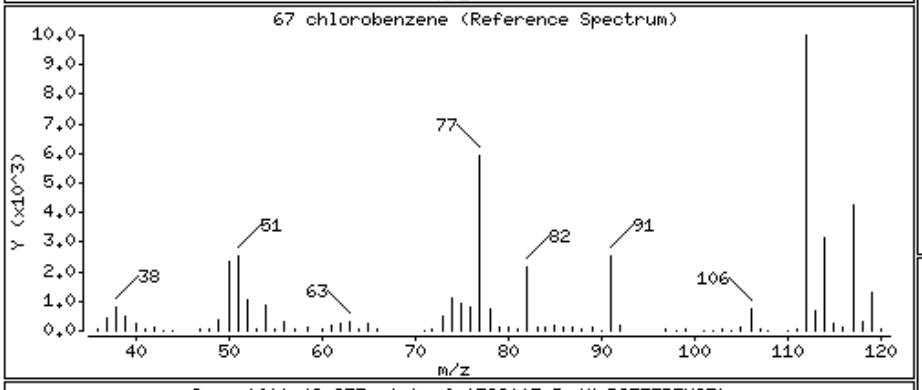
Concentration: 108.296 ngs

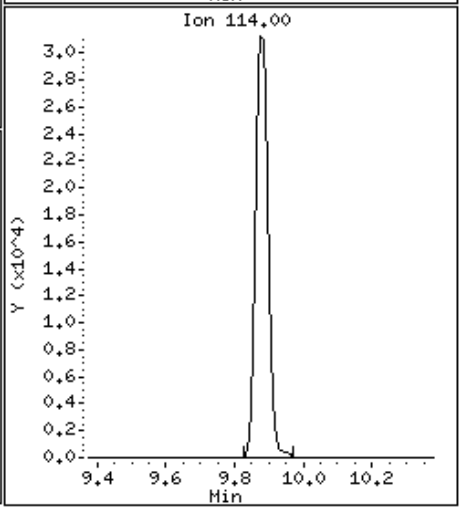


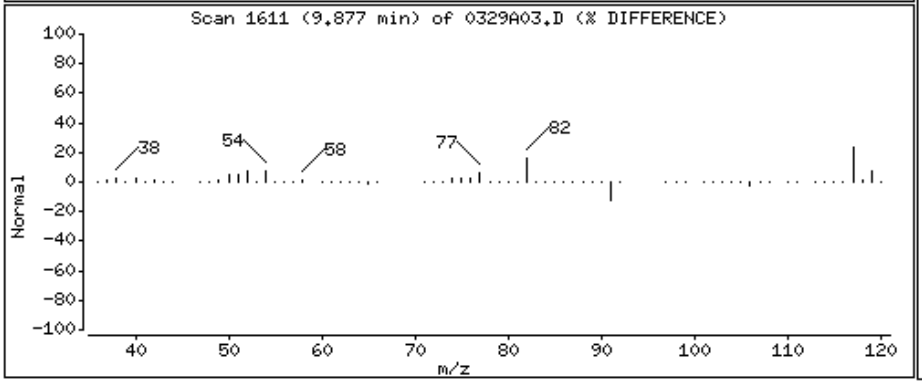












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

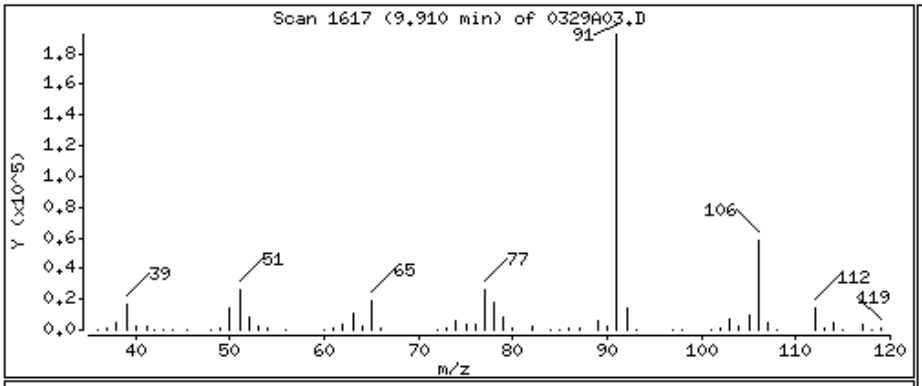
Operator: PD

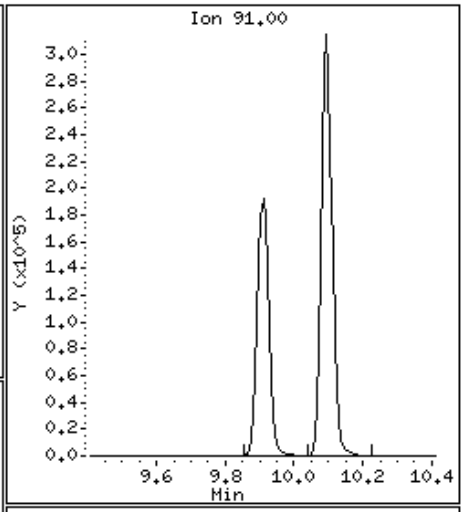
Column phase:

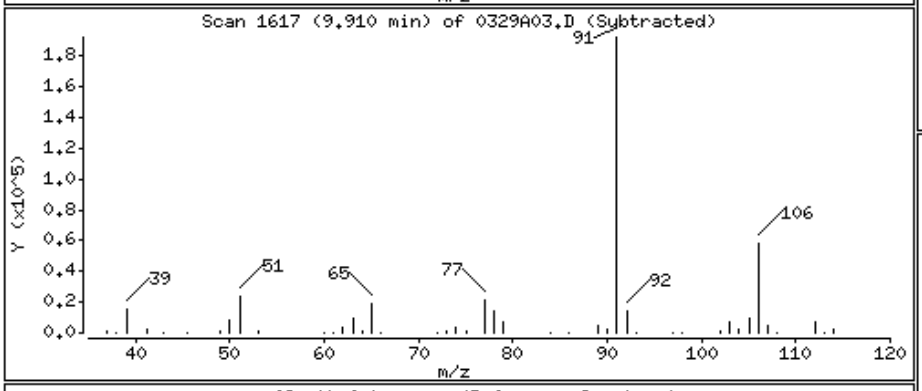
Column diameter: 0.18

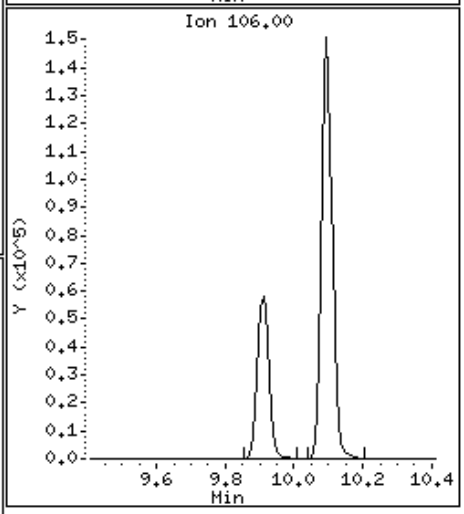
68 ethyl benzene

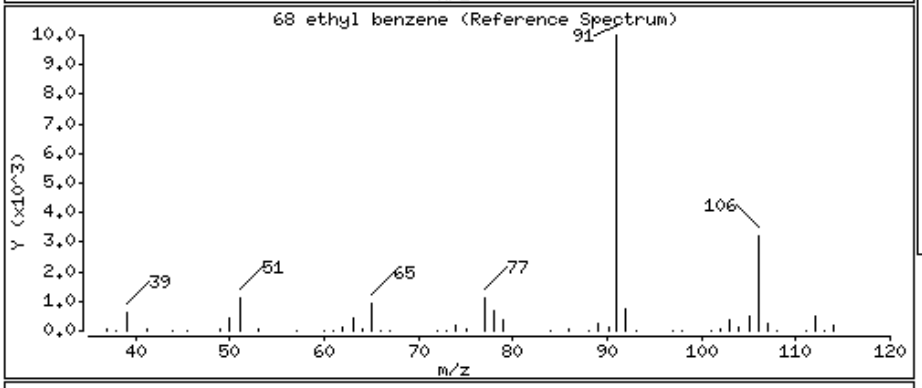
Concentration: 112.562 ngs

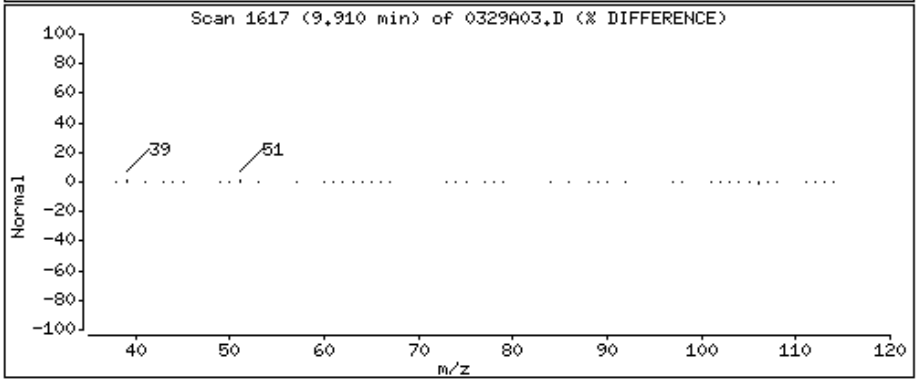












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

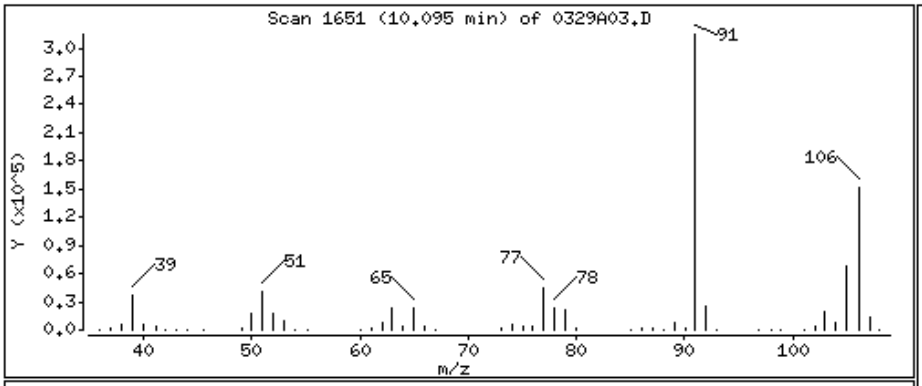
Operator: PD

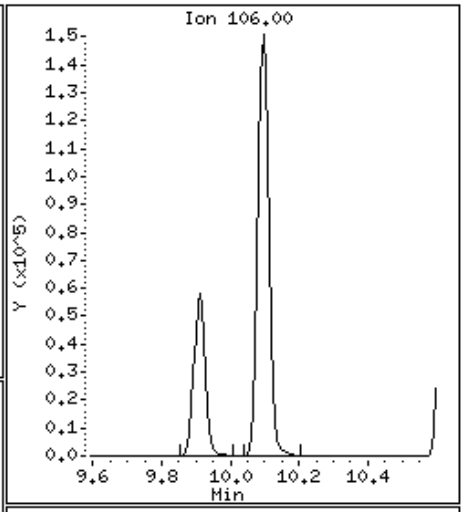
Column phase:

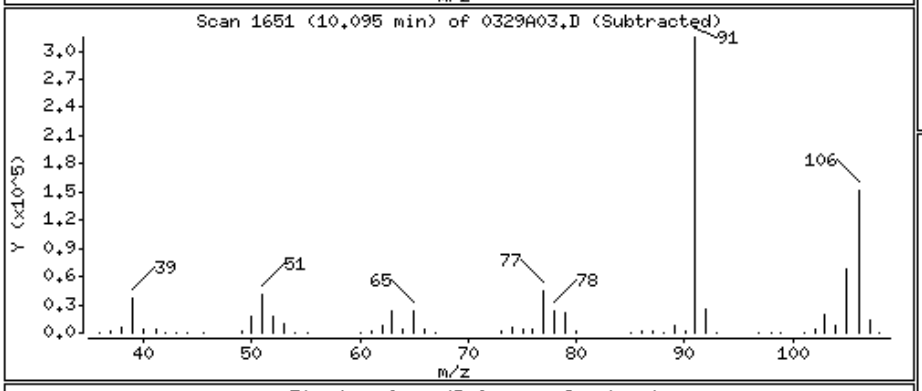
Column diameter: 0.18

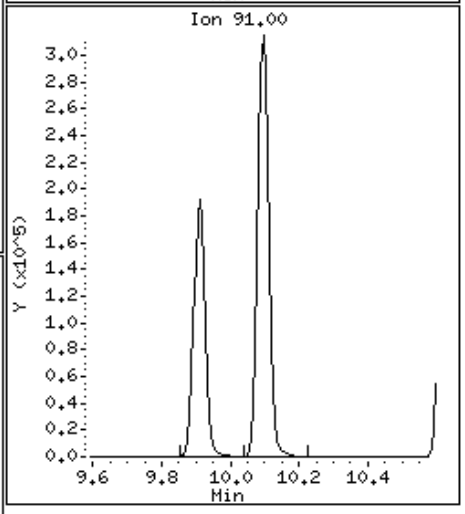
70 p/m xylene

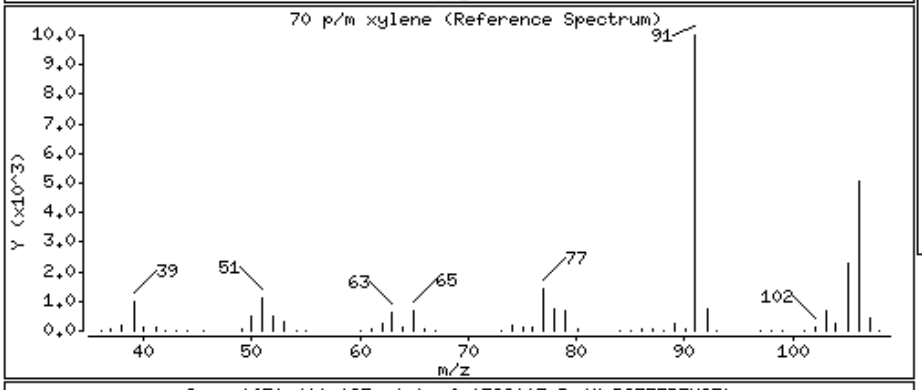
Concentration: 218.941 ngs

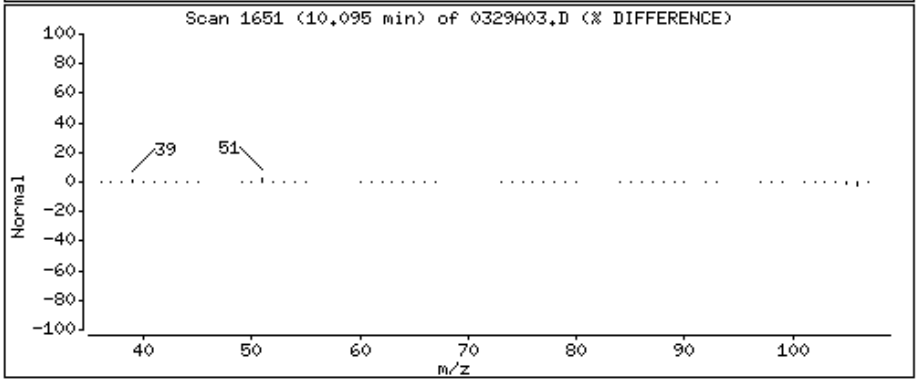












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

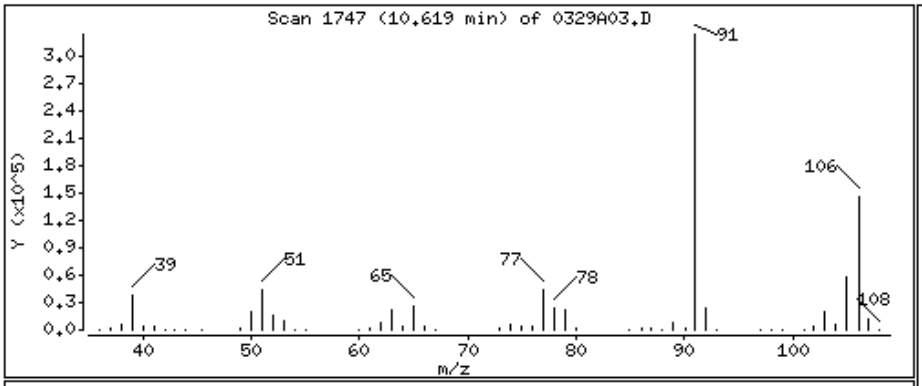
Operator: PD

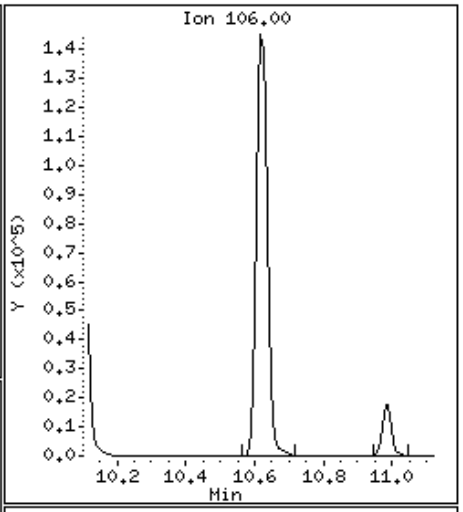
Column phase:

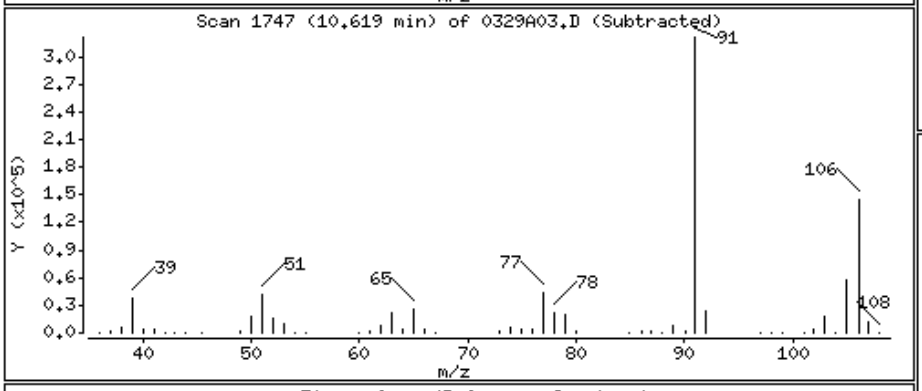
Column diameter: 0.18

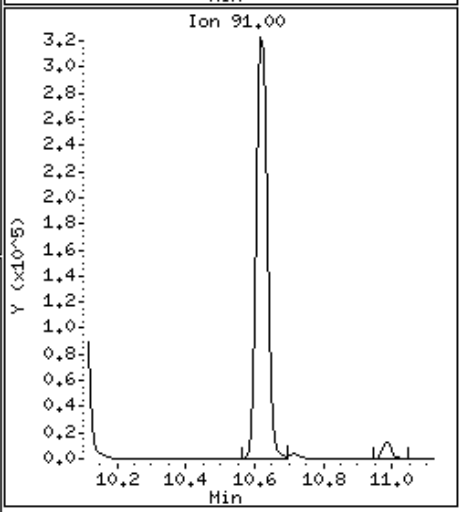
71 o xylene

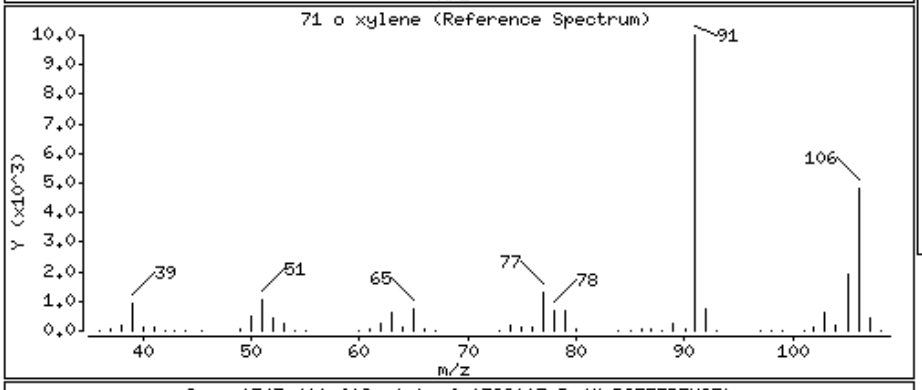
Concentration: 218.029 ngs

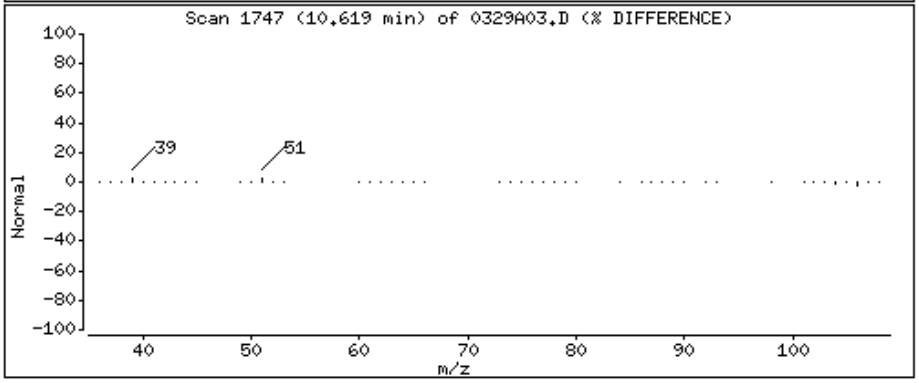












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

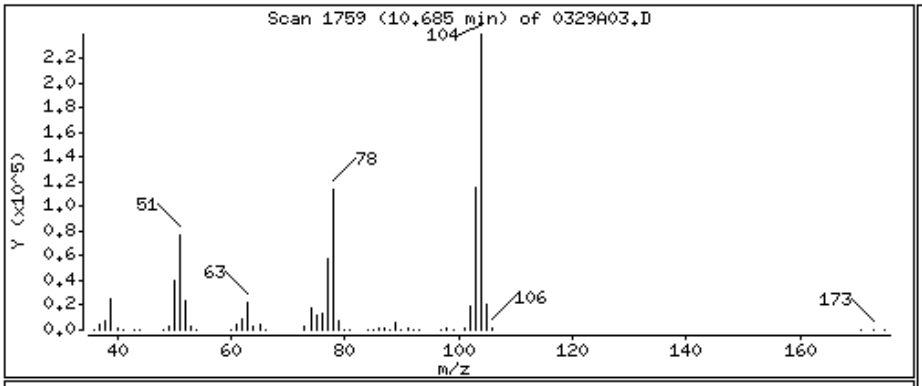
Operator: PD

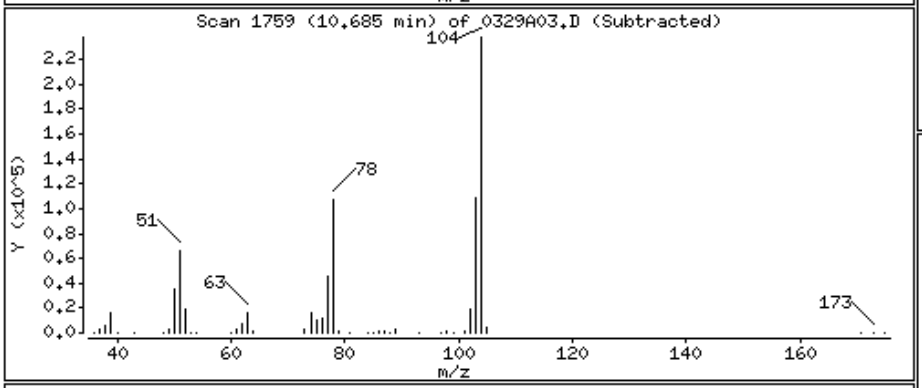
Column phase:

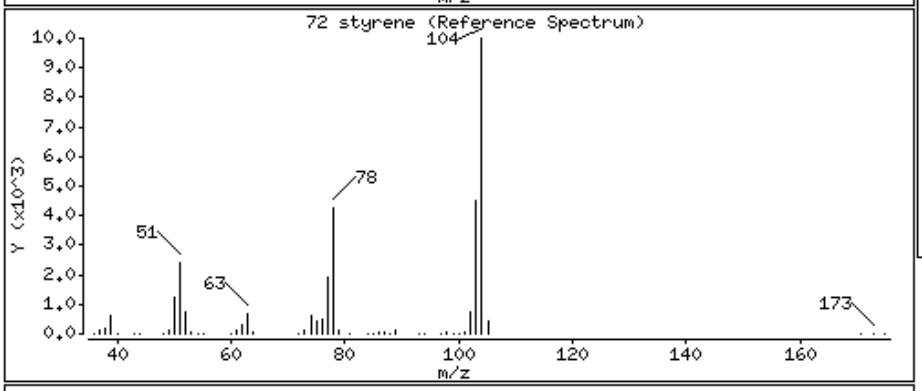
Column diameter: 0.18

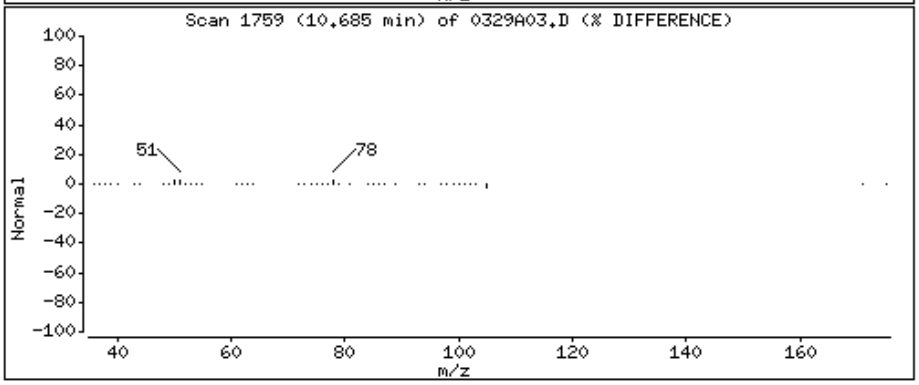
72 styrene

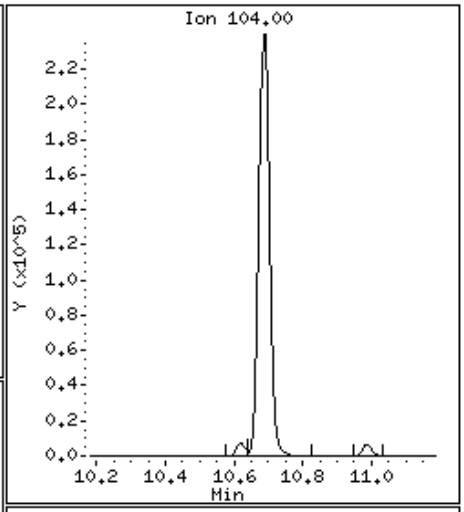
Concentration: 222.346 ngs

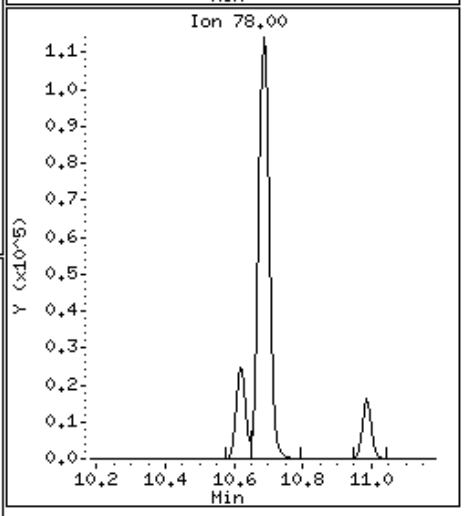












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

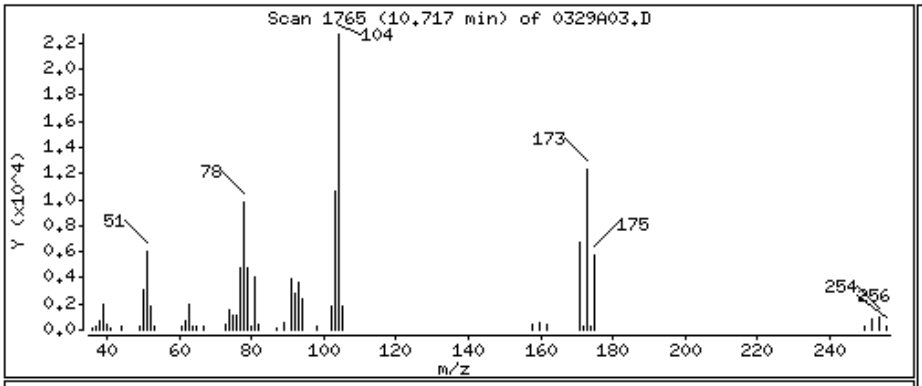
Operator: PD

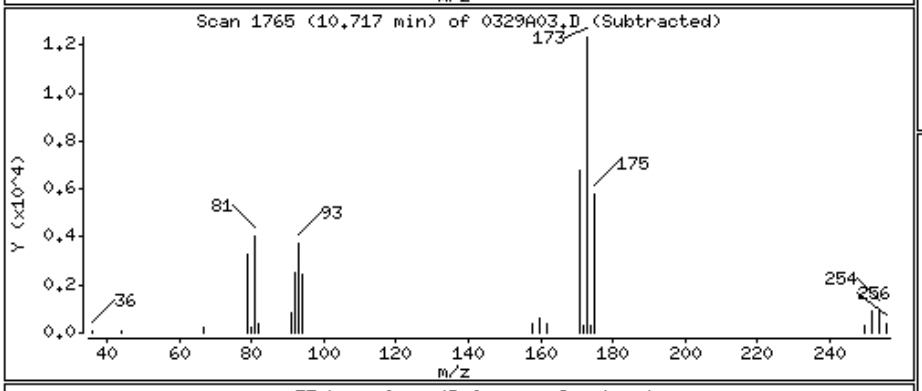
Column phase:

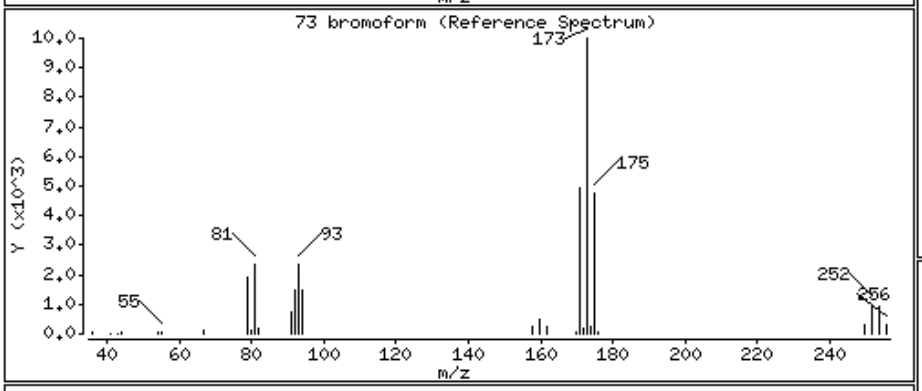
Column diameter: 0.18

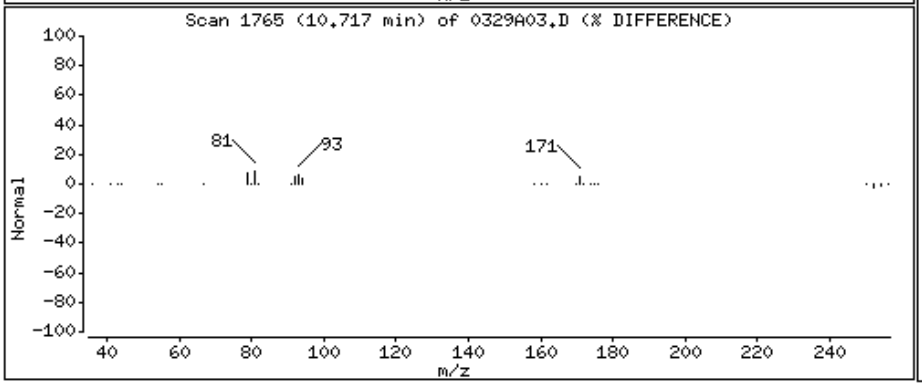
73 bromoform

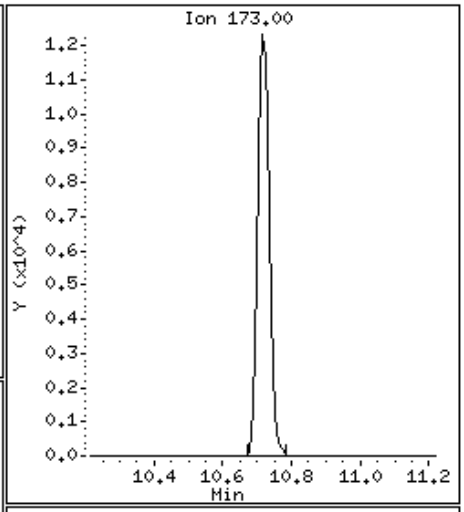
Concentration: 82.689 ngs

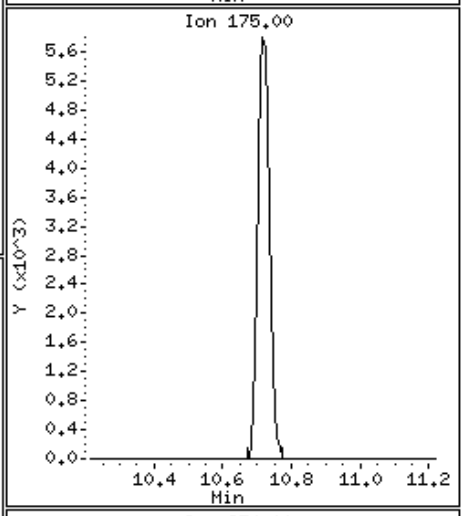


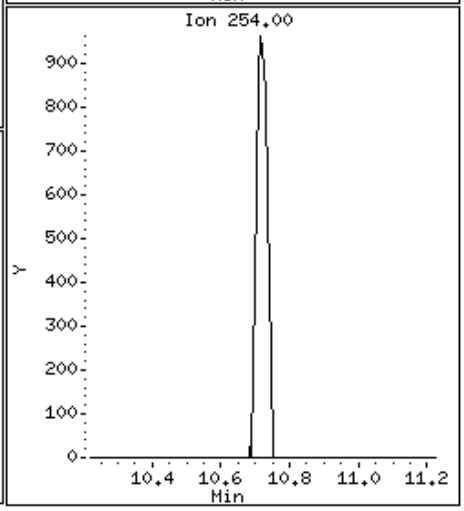












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

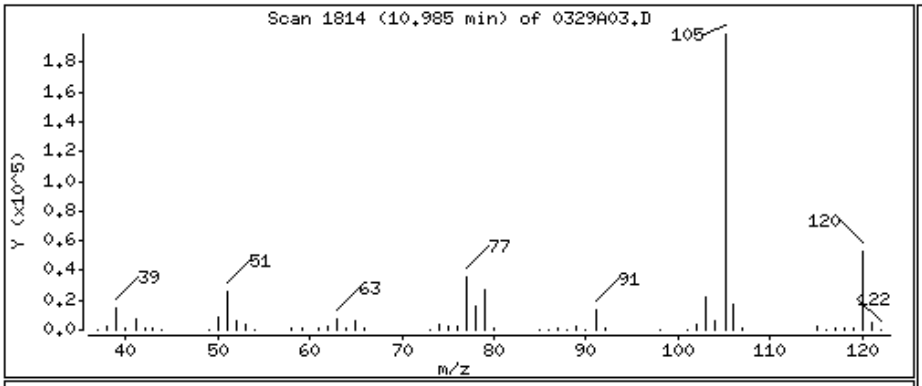
Operator: PD

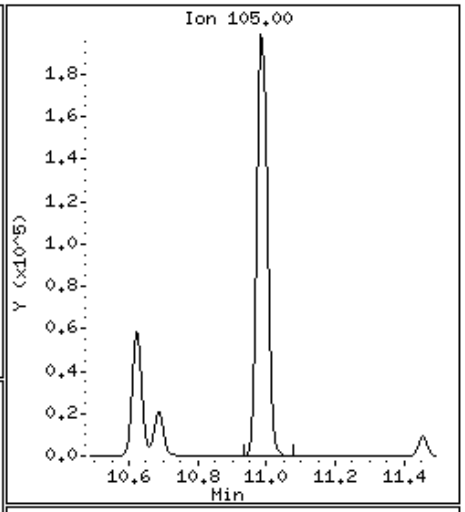
Column phase:

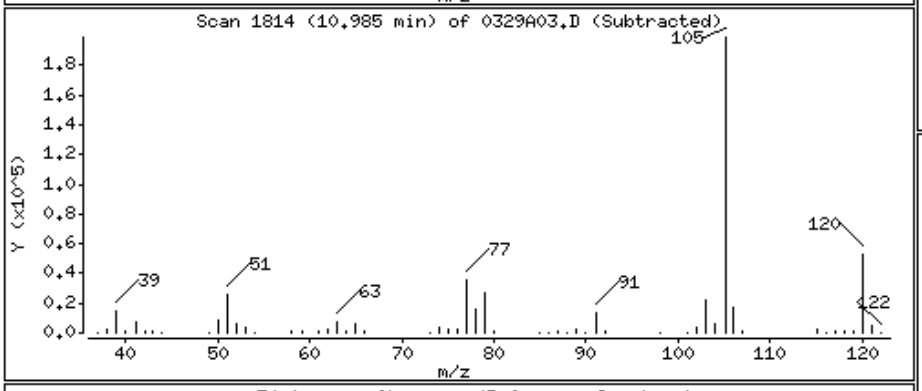
Column diameter: 0.18

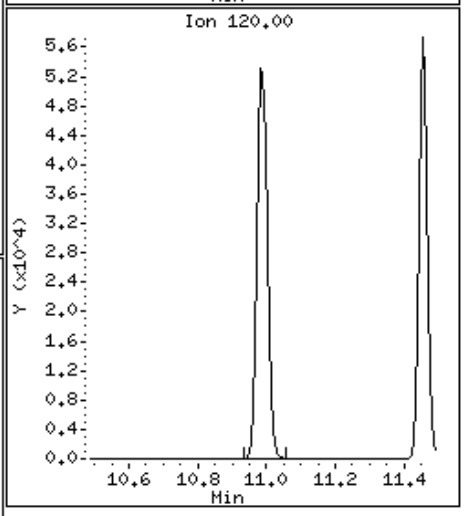
74 isopropylbenzene

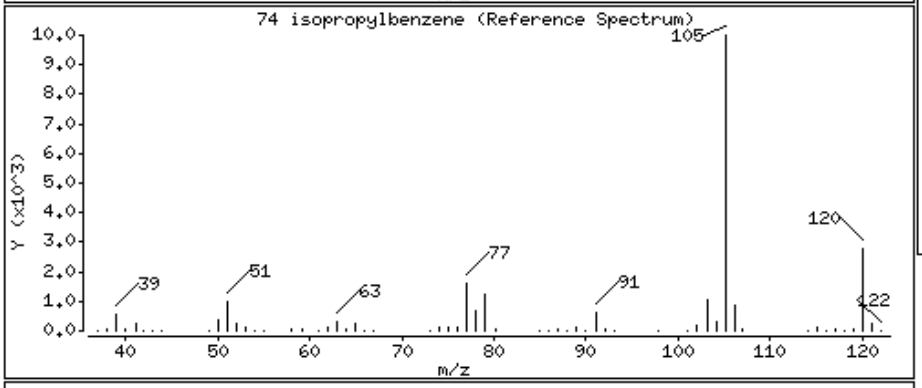
Concentration: 114.536 ngs

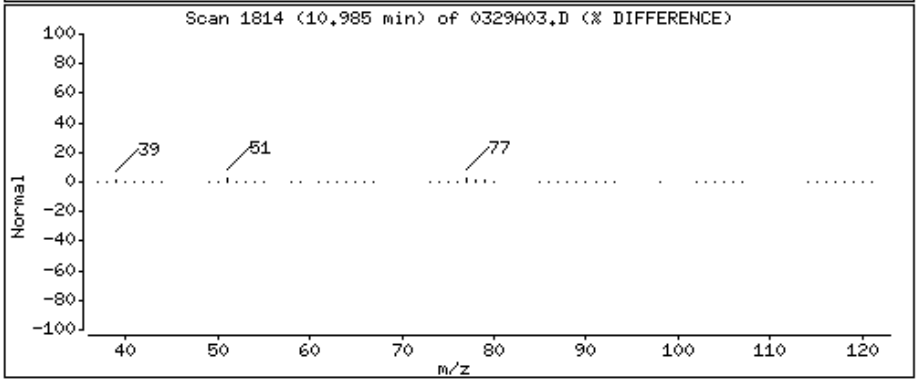












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

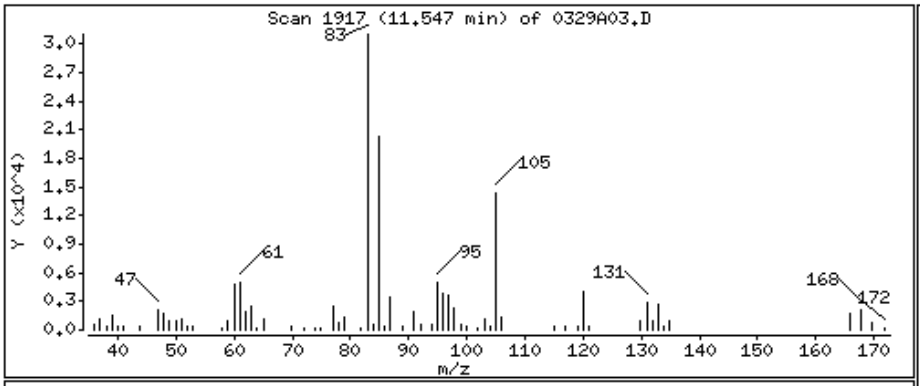
Operator: PD

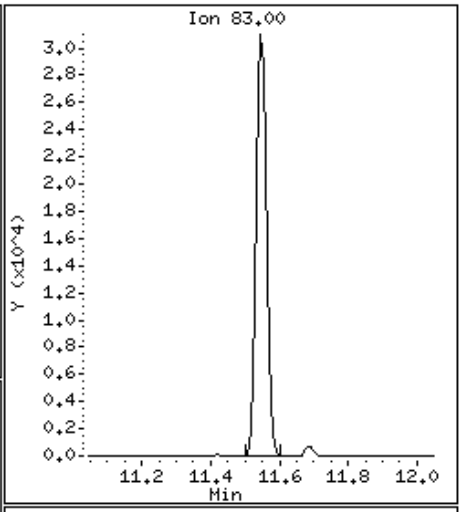
Column phase:

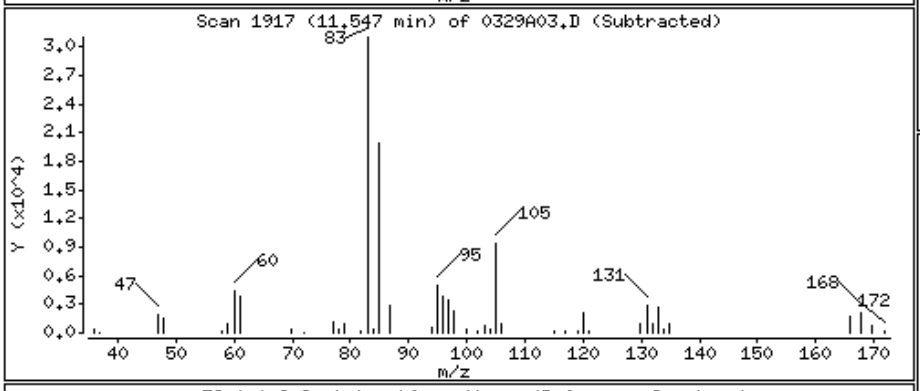
Column diameter: 0.18

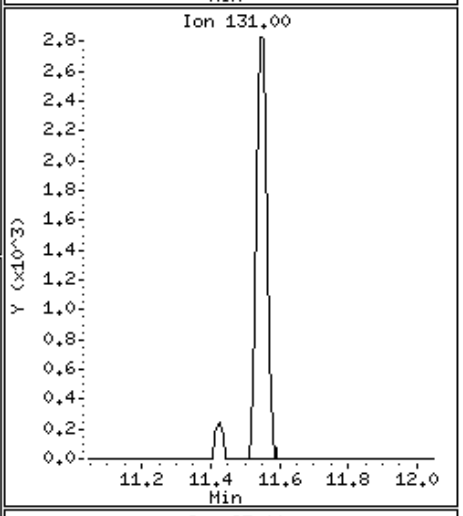
79 1,1,2,2,-tetrachloroethane

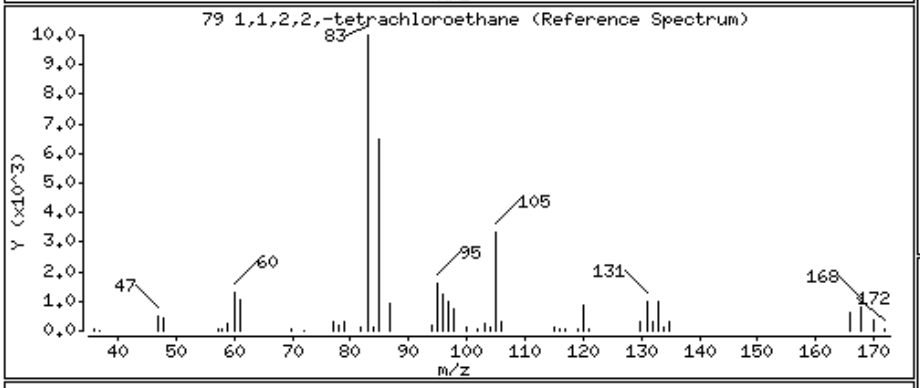
Concentration: 130.560 ngs

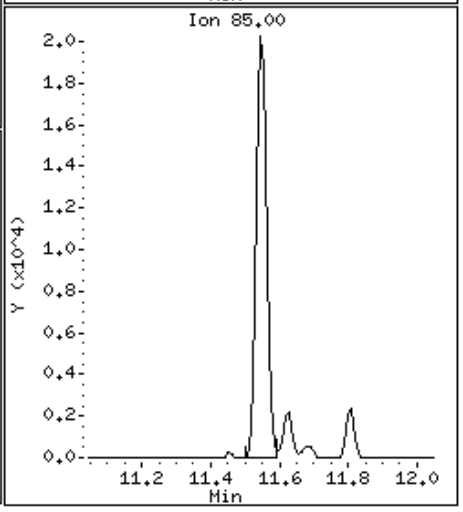


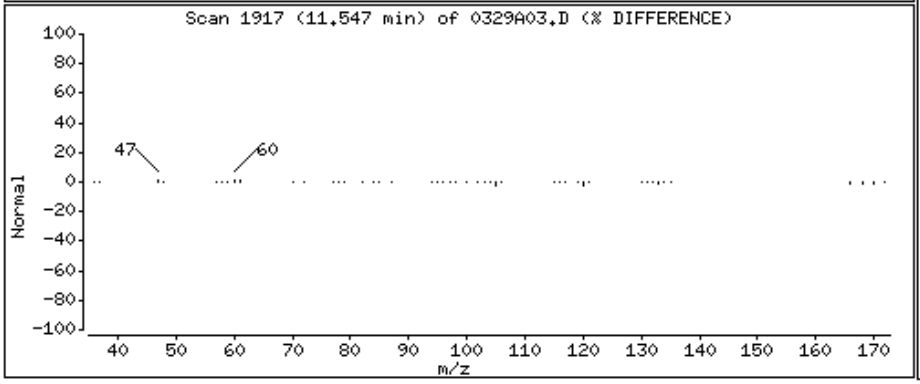












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

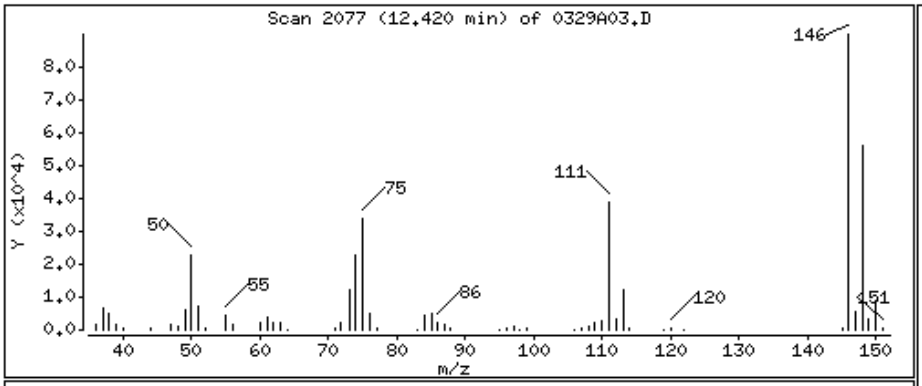
Operator: PD

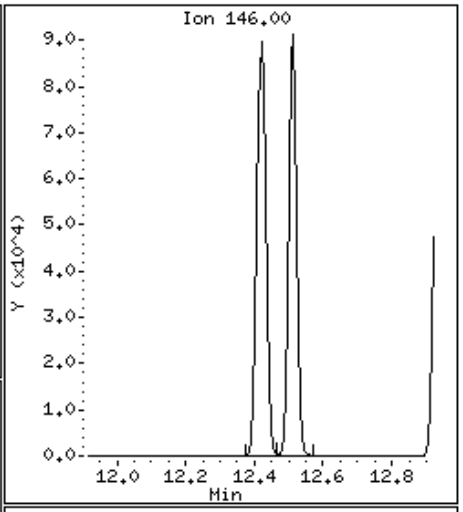
Column phase:

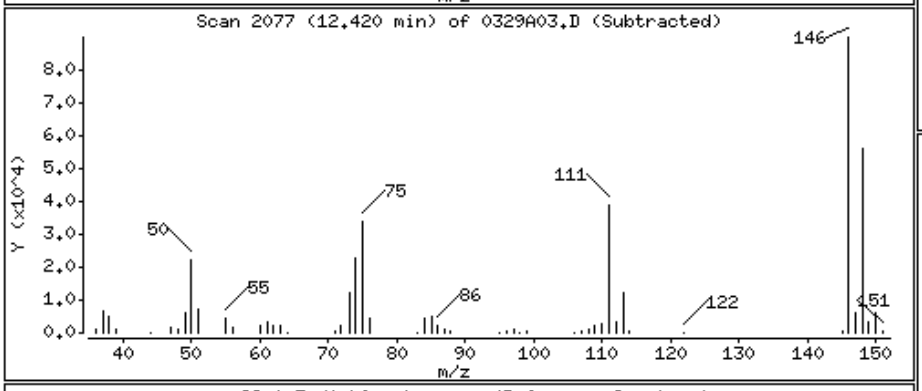
Column diameter: 0.18

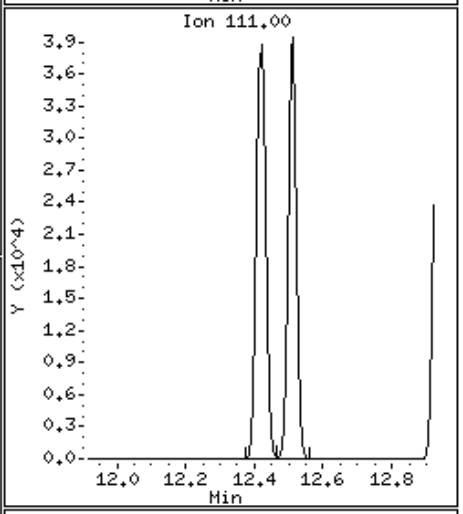
92 1,3-dichlorobenzene

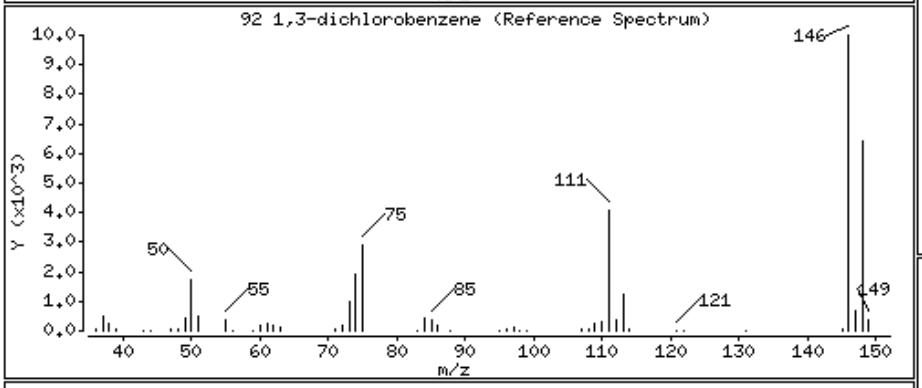
Concentration: 106.773 ngs

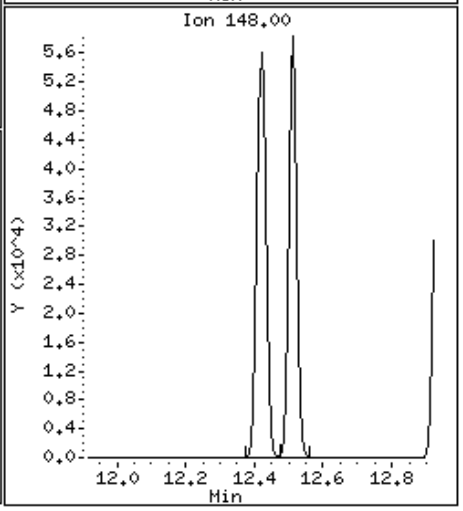


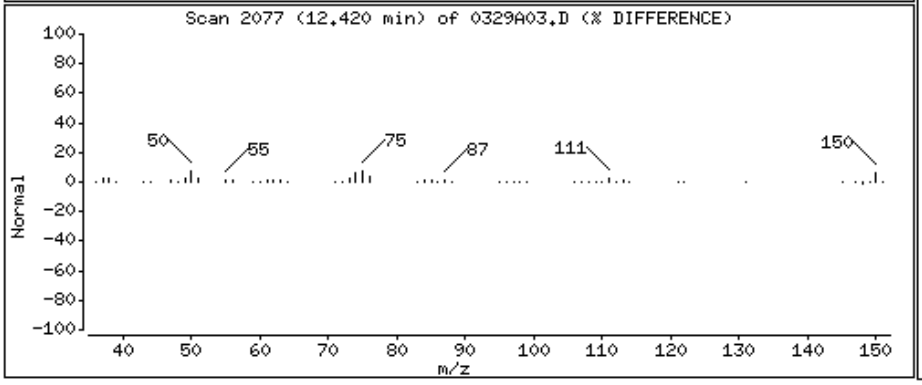












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

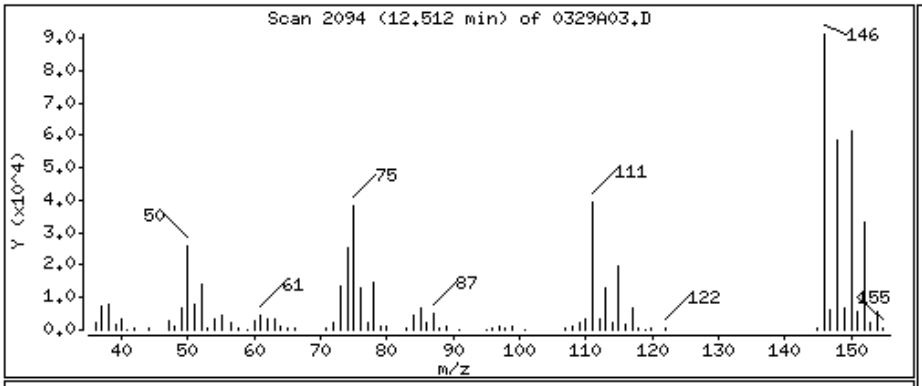
Operator: PD

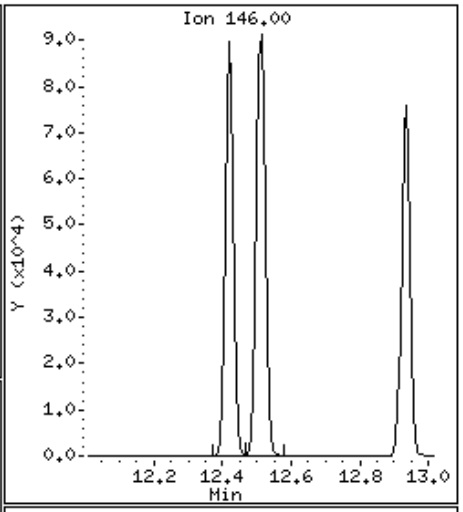
Column phase:

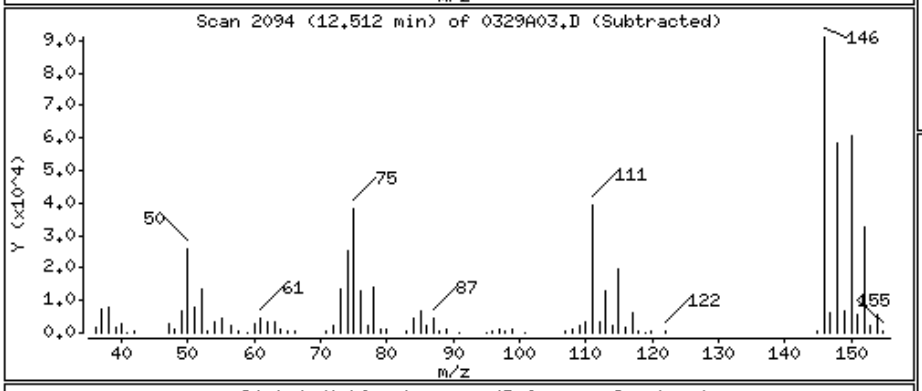
Column diameter: 0.18

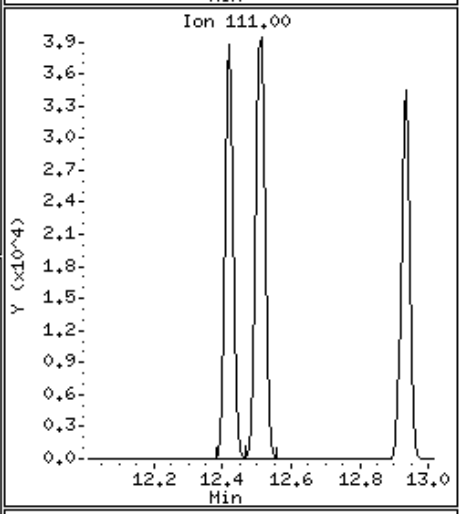
94 1,4-dichlorobenzene

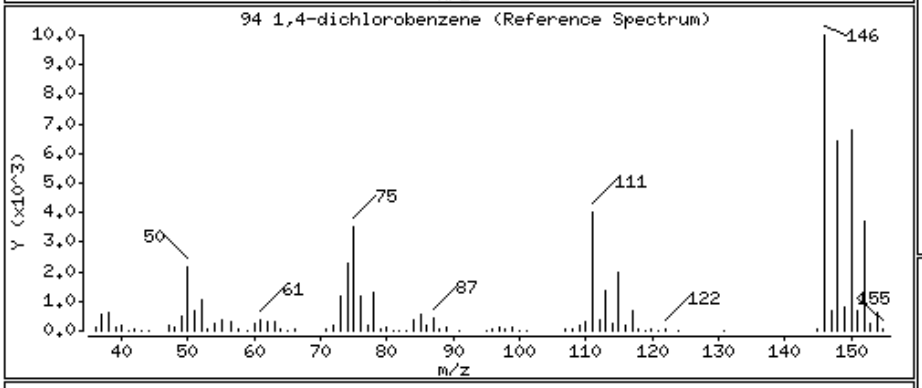
Concentration: 108.890 ngs

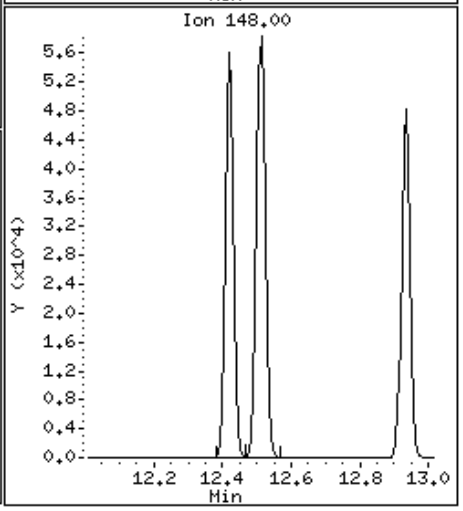


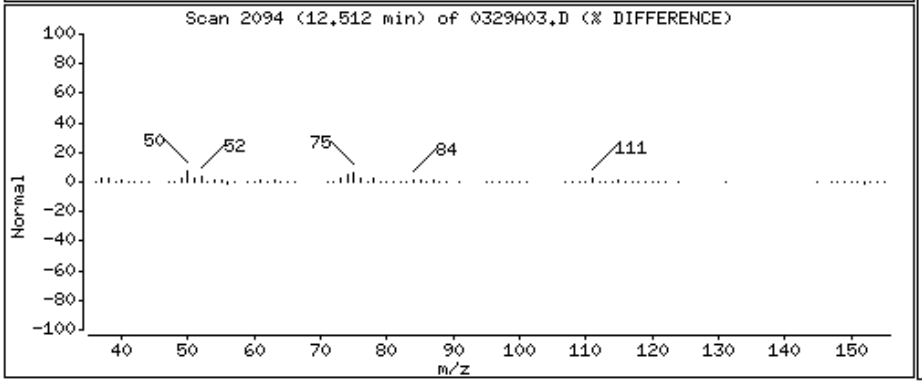












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

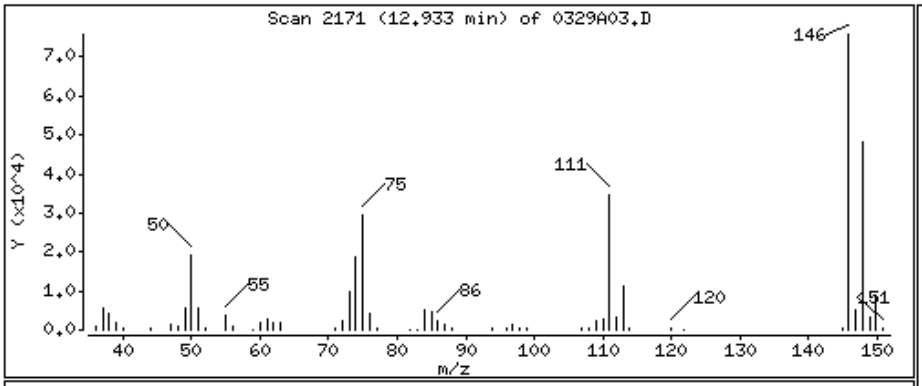
Operator: PD

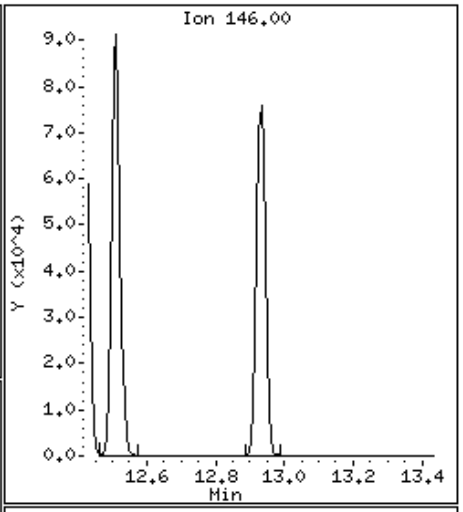
Column phase:

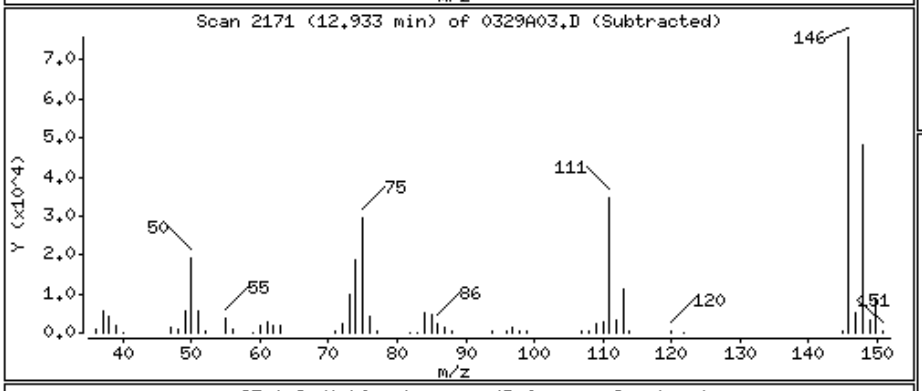
Column diameter: 0.18

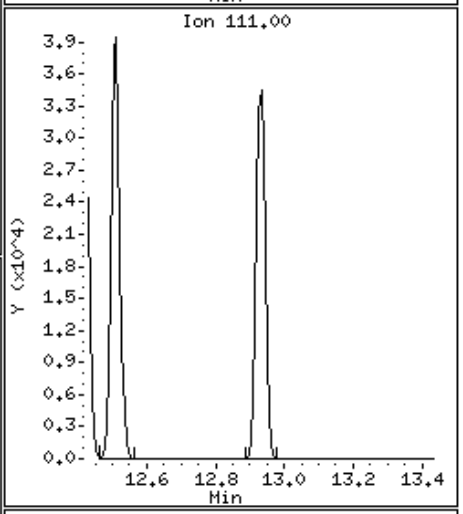
97 1,2-dichlorobenzene

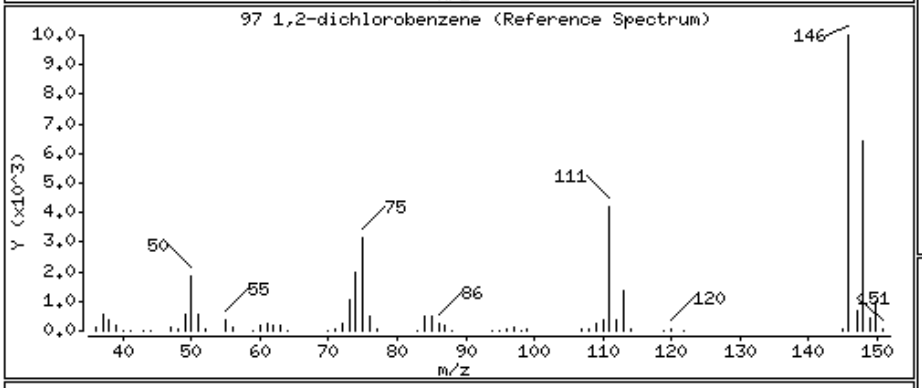
Concentration: 107.257 ngs

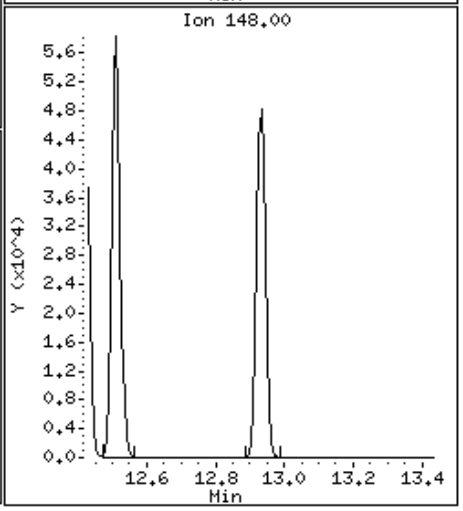


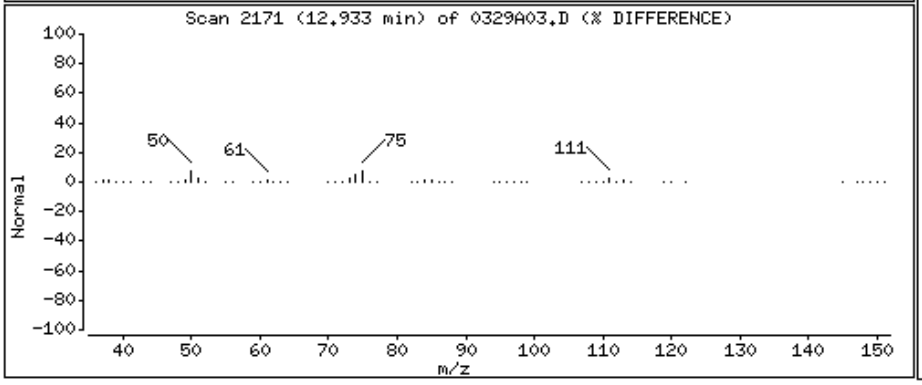












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

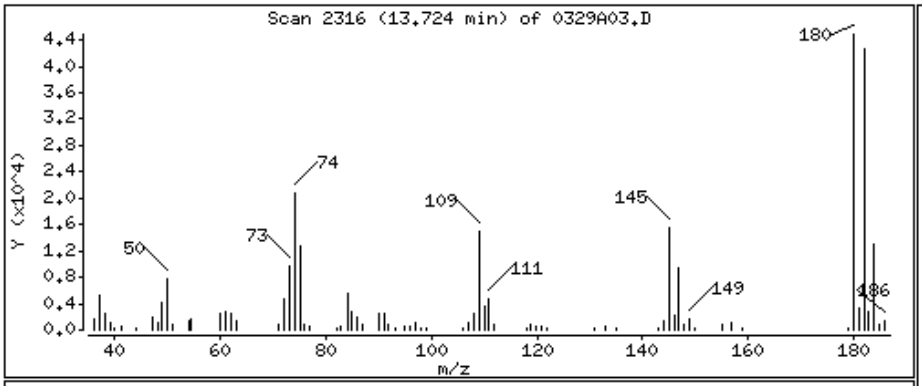
Operator: PD

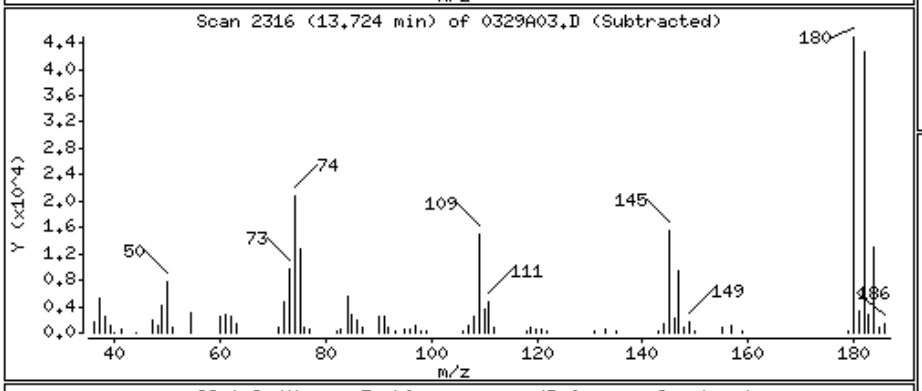
Column phase:

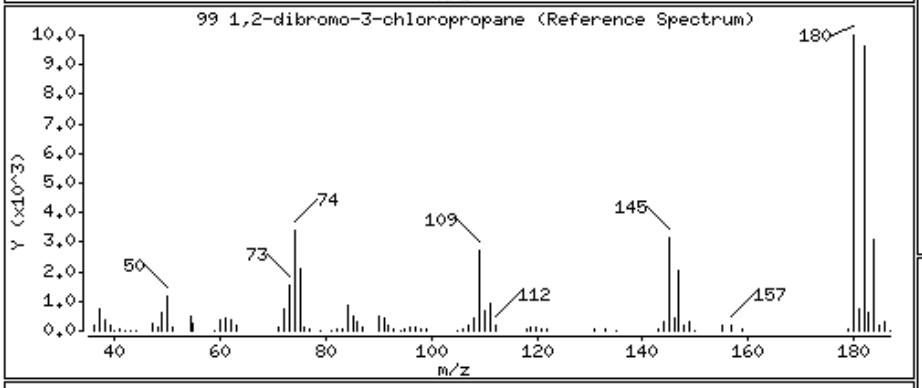
Column diameter: 0.18

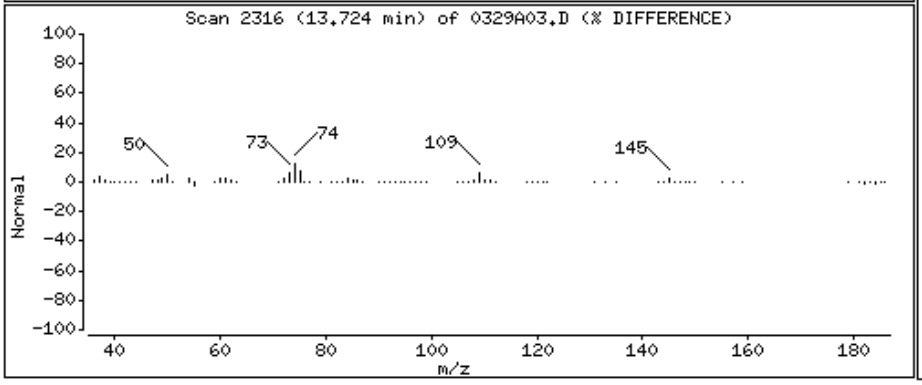
99 1,2-dibromo-3-chloropropane

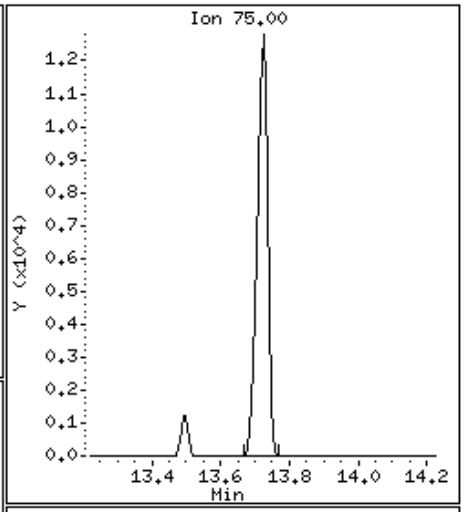
Concentration: 126.605 ngs

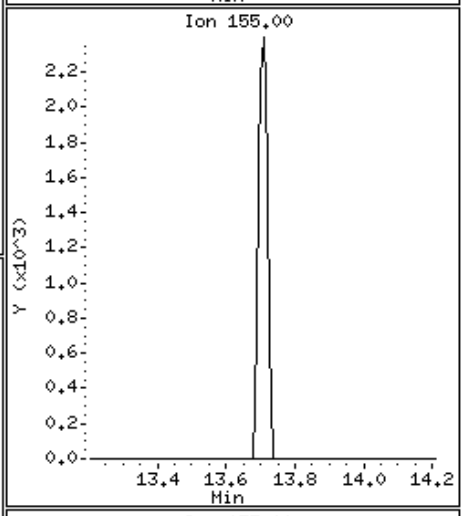


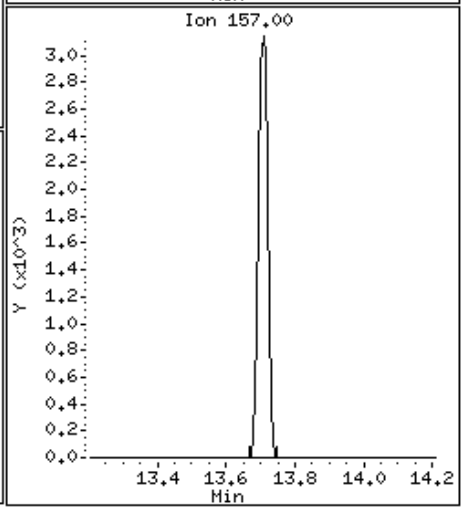












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

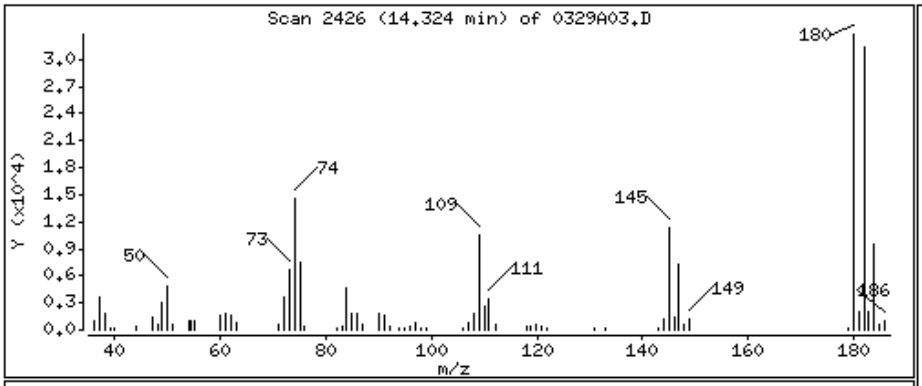
Operator: PD

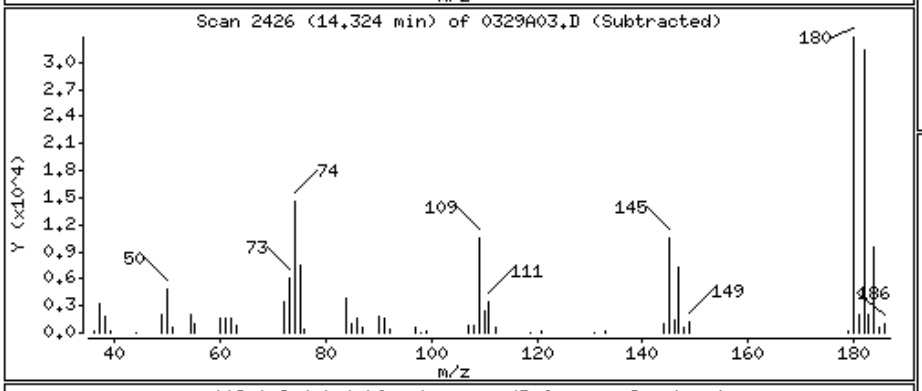
Column phase:

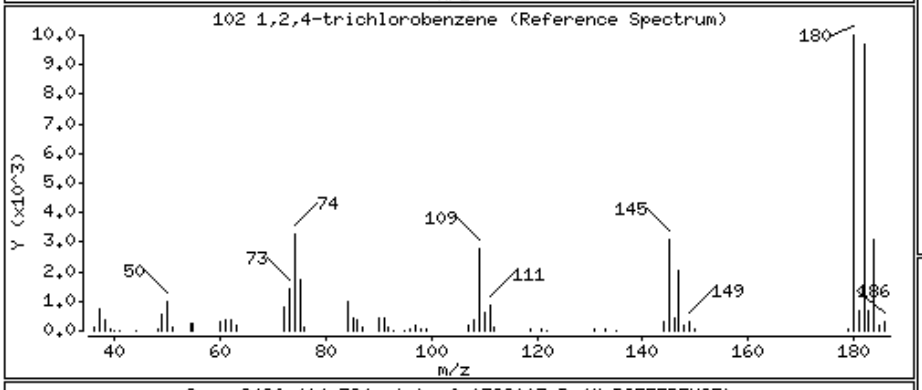
Column diameter: 0.18

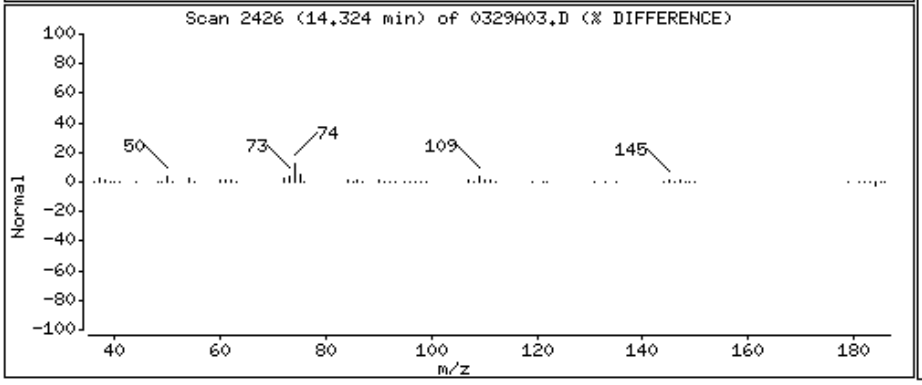
102 1,2,4-trichlorobenzene

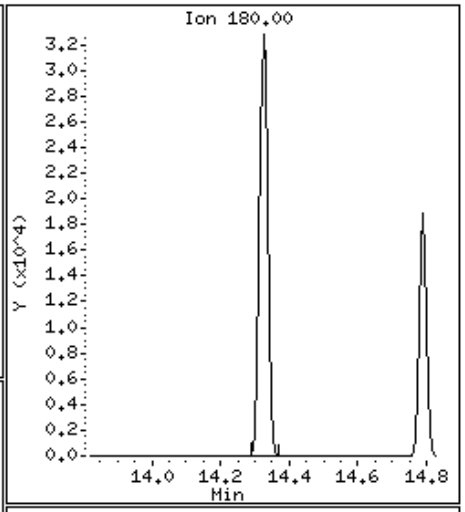
Concentration: 96.116 ngs

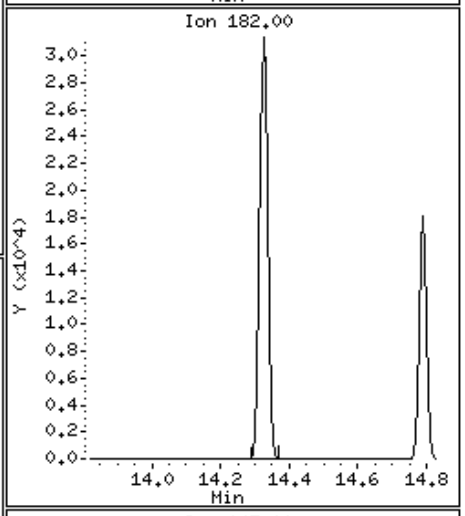


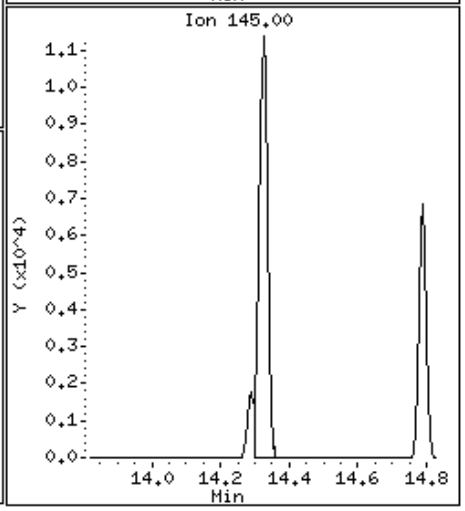












Data File: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160329.b\0329A03.D

Date : 29-MAR-2016 09:48

Client ID:

Instrument: Voa105.i

Sample Info: wg878773-4,31,10

Purge Volume: 10.0

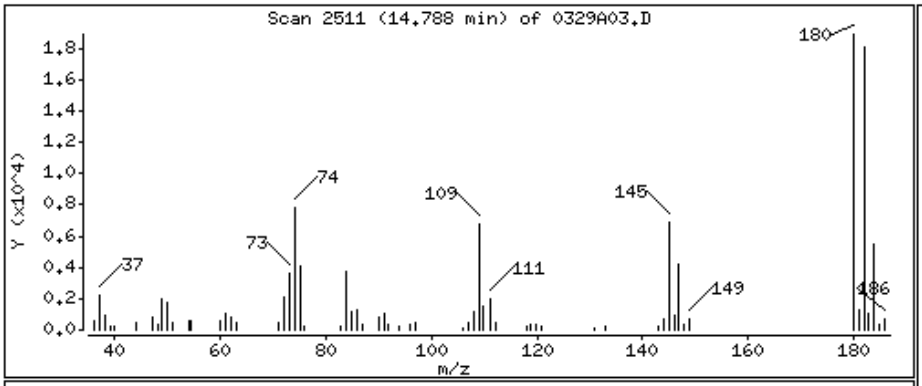
Operator: PD

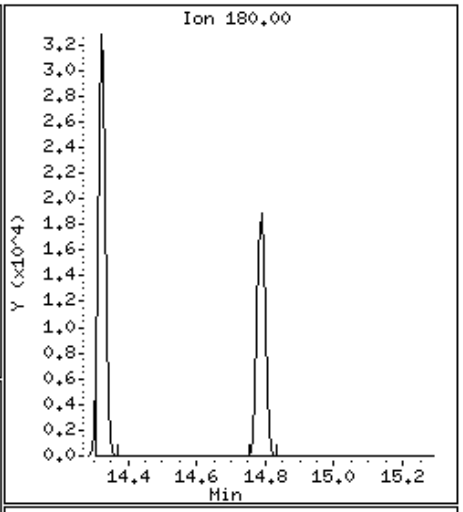
Column phase:

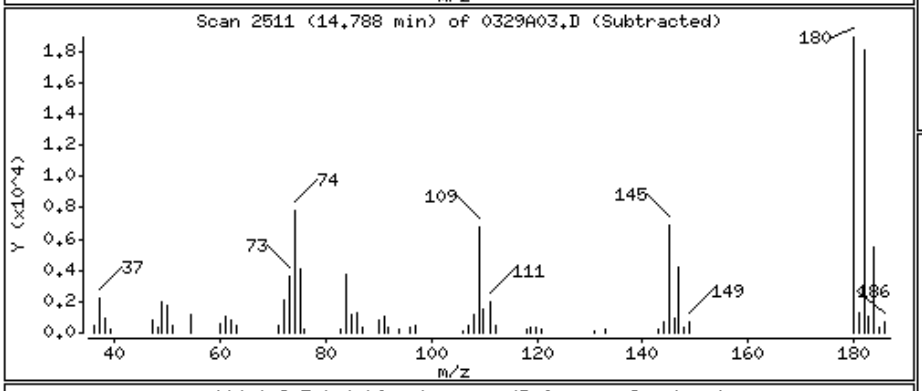
Column diameter: 0.18

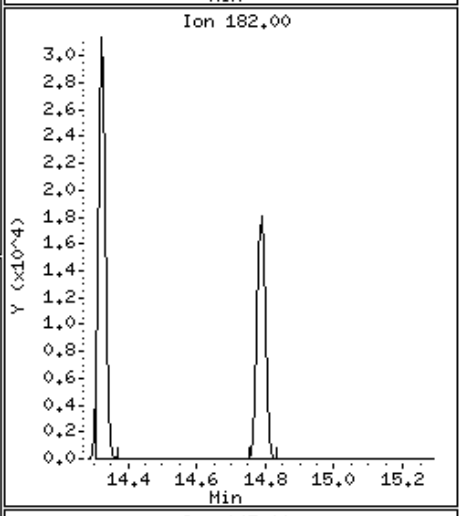
104 1,2,3-trichlorobenzene

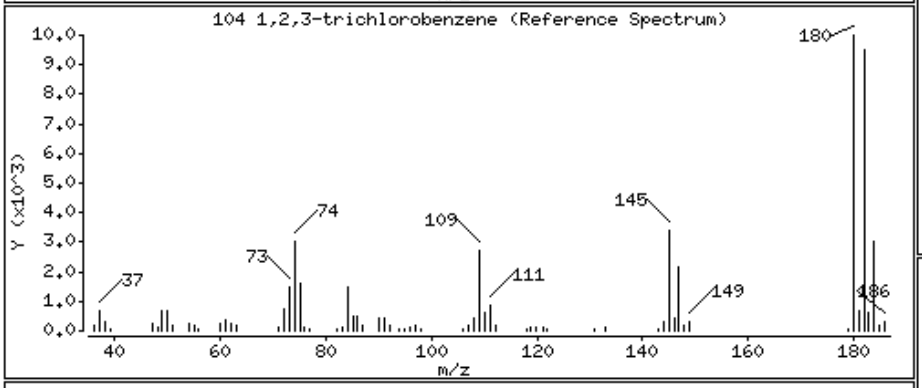
Concentration: 103.760 ngs

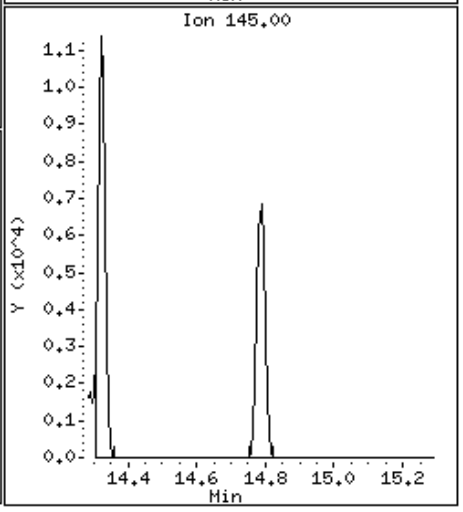


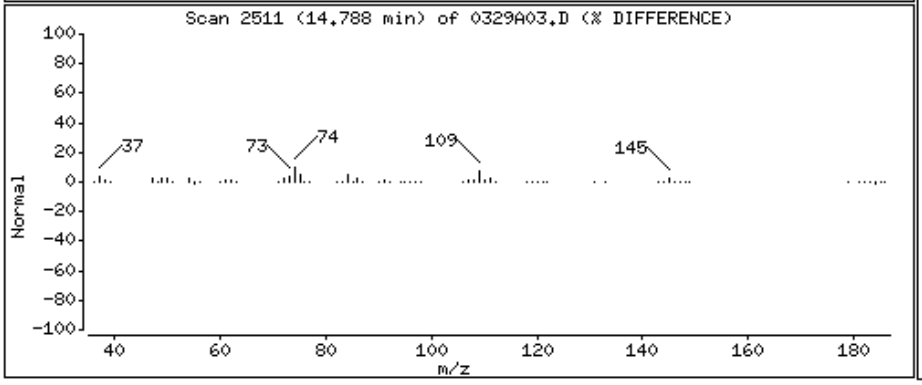












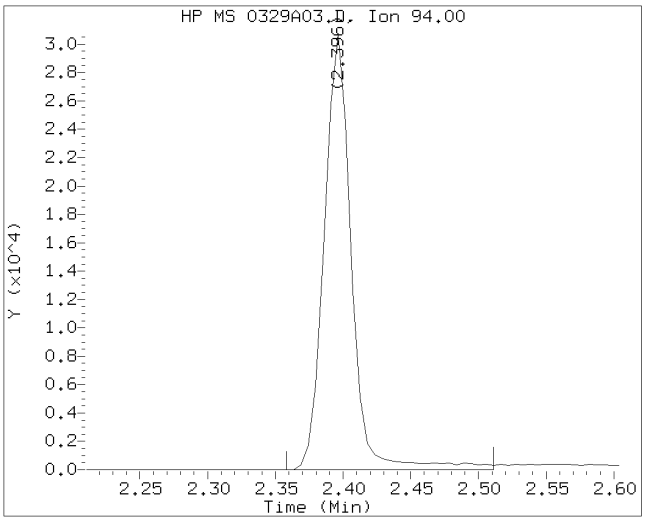
Alpha Analytical Labs

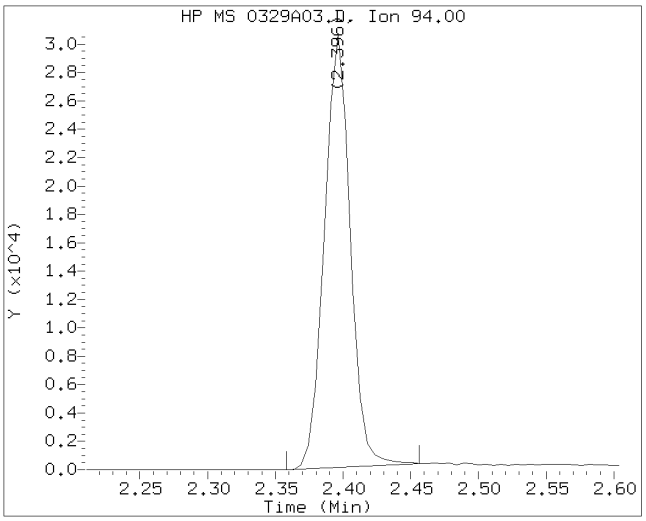
Manual Integration

Sample Info : wg878773-4,31,10
wg878773,ical12154

Instrument ID : Voa105.i
Method : liq8260B.m
File : 0329A03.D
Injection Date : 29-MAR-2016 09:48
Quantitation : ISTD Integrator : HP RTE
Dilution Factor : 1.00 Sample Type: LCSD

Compound # 4: bromomethane

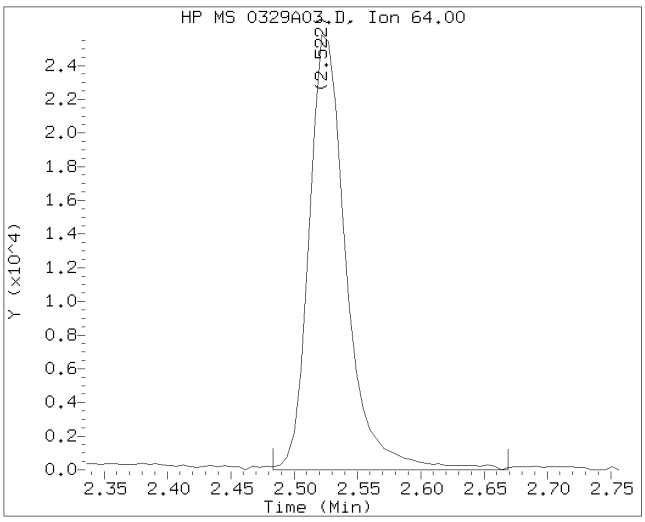


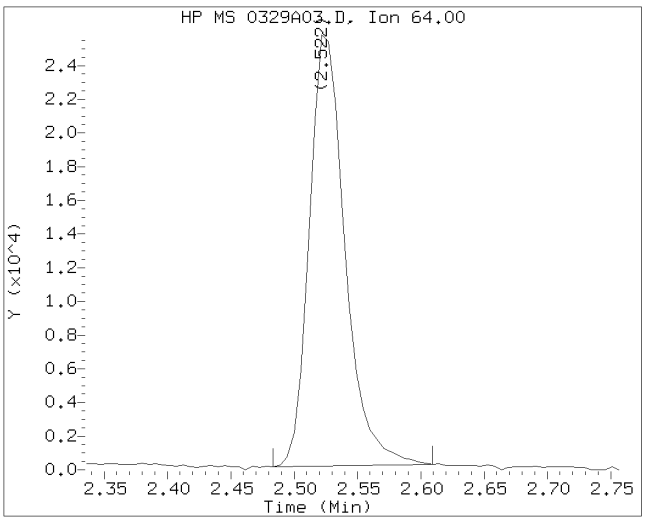


Original Peak Response = 43144 Manual Peak Response = 40527 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Compound # 5: chloroethane





Original Peak Response = 53208 Manual Peak Response = 50326 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false lo
area count.

Wet Chemistry

Total Suspended Solids Analysis

Sample Raw Data

ALPHA ANALYTICAL LABS

WET CHEMISTRY DEPARTMENT

TOTAL SUSPENDED SOLIDS

Filter Lot#: Pall T51618

Last Change 3/4/13
File tss.xlt

2540D (PPB)

2540D

Get Samples

Save to LIMS

METHODS

Sample Number: In 104: 3/22/16 14:45
Out: 3/23/16 08:20

Client: In: 10:00
Out: 12:00

Analysis: T S S In: 14:00

Method: SM 2540D
Out: 15:00

Product: TSS-2540
Analyte: Solids, Total Suspended
Analysis Date: 3/22/2016 12:35
Technician: SG
Work group: WG876114
RDL: 5.0 mg/l

3

	Sample Number	Symbol	Tare Weight (gm)	Sample Volume (ml)	Net Weight(1) (gm)	Net Weight(2) (gm)	Net Weight(3) (gm)	Net Weight(4) (gm)	RDL MULT.	RESULT mg/l
BLANK	WG876114-1	24	0.4388	1000	0.4366	0.4371				0.00
SAMP	L1607846-01	26	0.4379	1080	0.4383	0.4387				0.37
SAMP	L1607846-02	27	0.4364	1050	0.4363	0.4358				0.00
SAMP	L1607846-03	28	0.4405	1100	0.4394	0.4393				0.00
SAMP	L1607846-04	29	0.4404	1070	0.4375	0.4375				0.00
SAMP	L1607846-05	30	0.4418	1050	0.4392	0.4391				0.00
SAMP	L1607846-06	31	0.4398	1100	0.4389	0.4392				0.00
SAMP	L1607846-07	32	0.4404	1075	0.4397	0.4387	0.4398			0.00
SAMP	L1607846-08	33	0.4391	1120	0.4389	0.4375	0.4378			0.00
SAMP	L1607846-09	34	0.4396	1090	0.4415	0.4417				1.74

Work Group

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Apr 06 2016, 11:17 am

Work Group: WG876114 for Department: 7 Wet Chemistry

Created: 22-MAR-16 Due: Operator: SG

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1607846-01	SW1A 20160316	S	TSS-2540	WATER	DONE	U	0323	0407	S0	Plastic-A1
L1607846-02	SW1B 20160316	S	TSS-2540	WATER	DONE	U	0323	0407	S0	Plastic-A1
L1607846-03	SW1C 20160316	S	TSS-2540	WATER	DONE	U	0323	0407	S0	Plastic-A1
L1607846-04	SW2A 20160316	S	TSS-2540	WATER	DONE	U	0323	0407	S0	Plastic-A1
L1607846-05	SW2C 20160316	S	TSS-2540	WATER	DONE	U	0323	0407	S0	Plastic-A1
L1607846-06	SW2B 20160316	S	TSS-2540	WATER	DONE	U	0323	0407	S0	Plastic-A1
L1607846-07	SW3A 20160316	S	TSS-2540	WATER	DONE	U	0323	0407	S0	Plastic-A1
L1607846-08	SW3B 20160316	S	TSS-2540	WATER	DONE	U	0323	0407	S0	Plastic-A1
L1607846-09	SW3C 20160316	S	TSS-2540	WATER	DONE	U	0323	0407	S0	Plastic-A1
WG876114-1	Laboratory Method Bl	S	TSS-2540	WATER	DONE	U				

Supporting Documentation

Date	Bal.#	0.002g	0.1g	1.0g	50g	100g	101g	150g	101.1g	Initials	Time/Comments
Monday, March 21, 2016	2	X							X	AS	22:30
	13	X	0.1	1.0	50.0	100.0	101.0	150.0	X		
	18	X	0.1001	1.0001	49.9990	99.9976	100.9978	149.9967	X		
	20	X	0.10	1.01	50.01	99.99	100.99	149.98	X		
	22	0.0020	0.0997	0.9994	49.9992	99.9992	100.9990	149.9985	X		
	29	X	0.0998	1.0000	49.9976	99.9953	100.9953	X	X		
	33	X	0.1001	1.0002	50.0026	100.0288	101.0288	150.0267	101.1211		
	27	X	0.1001	0.9998	49.9991	99.9986	100.9982	—	X		

Date	Bal.#	0.002g	0.1g	1.0g	50g	100g	101g	150g	101.1g	Initials	Time/Comments
Tuesday, March 22, 2016	2	X							X	AWS	14:30
	13	X	0.1	1.0	50.0	100.0	101.0	150.0	X		
	18	X	0.1000	1.0000	49.9992	99.9983	100.9982	149.9972	X		
	20	X	0.10	1.00	50.00	99.99	100.99	149.98	X		
	22	0.0020	0.1000	1.0000	49.9997	99.9996	100.9995	149.9993	X		
	29	X	0.1003	1.0006	49.9984	99.9963	100.9960	X	X		14:30
	33	X	0.0992	1.0008	50.0158	100.0291	101.0296	150.0380	101.1295		14:30
	27	X	0.1000	1.0001	49.9983	99.9982	100.9983	—	X		14:30

Date	Bal.#	0.002g	0.1g	1.0g	50g	100g	101g	150g	101.1g	Initials	Time/Comments
Wednesday, March 23, 2016	2	X							X		
	13	X	0.1	1.0	50.0	100.0	101.0	150.0	X	KE	1859
	18	X	0.0999	1.0003	49.9995	99.9983	100.9983	149.9978	X	KE	19:05
	~~20~~	~~X~~		~~0.99~~	~~50.00~~	3/22/16 AWS			X		
	22	0.0020	0.1000	0.9996	49.9999	99.9999	101.0000	149.9996	X	KE	19:00
	29	X	0.0997	0.9997	49.9977	99.9950	100.9953	X	X	KE	1853
	33	X	0.1009	1.0011	50.0147	100.0280	101.0283	150.0418	101.1282	KE	19:01
	27	X	0.0997	0.9999	49.9996	99.9986	100.9985	—	X	KE	1855
	20		0.10	1.02	50.01	100.00	101.1	150.02	X	KE	1857

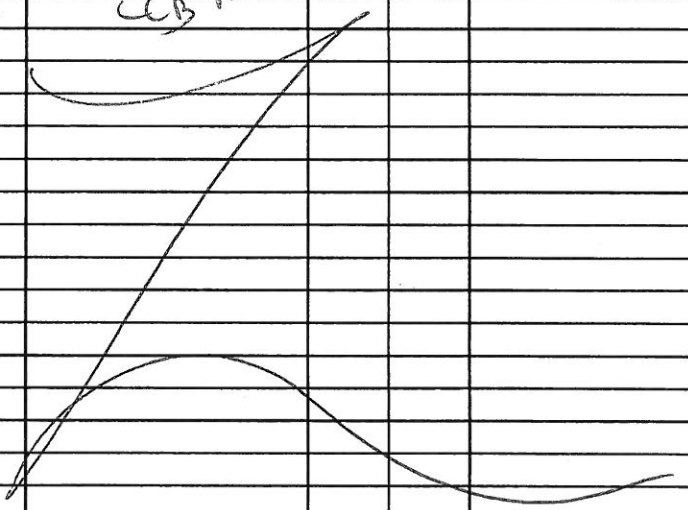
Date	Bal.#	0.002g	0.1g	1.0g	50g	100g	101g	150g	101.1g	Initials	Time/Comments
Thursday, March 24, 2016	2	X	0.1003	1.0005	50.0010	100.0020	101.0019	150.0024	X	TV	
	13	X	0.1	1.0	50.0	100.0	101.0	150.0	X		
	18	X	0.1001	1.0009	49.9985	99.9979	100.9976	149.9958	X		
	20	X	0.11	1.01	50.01	100.00	101.02	150.00	X		
	22	0.0022	0.0997	1.0003	50.0004	99.9998	100.9996	149.9998	X		
	29	X	0.0972	0.9974	49.9941	99.9932	100.9933	X	X		
	33	X	0.1006	1.0006	49.9971	99.9958	100.9953	149.9927	101.0948		
	27	X	0.0998	1.0002	49.9995	99.9994	100.9989	X	X		

Organic Carbon Analysis

Sequence Logs

DATE: WED 033016	STOCK STDS ID INFO:	WORKING STDS ID INFO:	
ANALYST: JH	LOT #'s:	LOT #'s:	
CURVE INFO:	2000 PPM CURVE SLN: 111015 C	2 PPM ICV:	TOC-033016-ICV
CURVE IN USE: 11115	2000 PPM ICV/LCS/SPK SLN: 111015W	2 PPM LCS:	TOC-033016-LCS
	4000 PPM IC CK STD SLN: 020416 S	4 PPM SPK:	TOC-033016-SPK
		10 PPM IC CK STD:	TOC-032916-IC

POSITION	SAMPLE	DIL X	PH	COMMENTS	POSITION	SAMPLE	DIL X	PH	COMMENTS
1	DI 2reps				27	2ppm CCV			
2	IC CK STD 10ppm				28	CCB			
3	ICV 2ppm				29	7846 6	1x		
4	PC13				30	.7	1x		
5	MW				31	.8	1x		
6	LCS 2ppm				32	.9	1x		
7	7846.1 test	10	2		33	-1 DUP	1		
8	7846.1	5	2		34	-3 MS	1		
9	2	5	2		35	CCV 2ppm			
10	3	5	2		36	CCB			
11	4	5	2						
12	5	5	2						
13	6	5	2						
14	7	5	2						
15	CCV 2ppm								
16	CCB								
17	7846.8	5	2						
18	9	5	2						
19	~~FB~~ @3/30/16 .1 DUP	5	2						
20	.1 SPK	5	2	4ppm					
21	FB DOC 7846	~~21~~	2	03.8.16 04:15					
22	7846.1 DOC	1 @ 3/31/16	2						
23	2	1	2						
24	3	1	2						
25	4	1	2						
26	5	1	2						



Sample Raw Data

ALPHA ANALYTICAL LABS

BACTERIA DEPARTMENT

DISSOLVED ORGANIC CARBON

Last Change 03/4/13 GFF
File TOC/DOC.xlt

Sample Number: _____
Client: _____

Analysis: DOC
TOC Instrument ID: 3
Method: SM 5310C

Product: DOC-5310
Analyte: Dissolved Organic Carbon,
Analysis Date: 3/30/2016 8:58
Technician: DW
Work group: WG878634
MDL: 1.0 mg/l
Page Number:
Preparation Date: 3/18/2016 4:15

LCS Conc. (ppm): 2
Spike Conc(ppm): 4

	Sample Number	COMMENTS	MDL Multiplier	RESULT mg/L	
DUP	WG878634-3		1	3.80	L1607846-01
SAMP	L1607846-01		1	3.76	
SAMP	L1607846-02		1	4.08	
SAMP	L1607846-03		1	3.70	
SAMP	L1607846-04		1	3.78	
SAMP	L1607846-05		1	3.70	
SAMP	L1607846-06		1	3.73	
SAMP	L1607846-07		1	3.76	
SAMP	L1607846-08		1	4.31	
SAMP	L1607846-09		1	4.29	>TOC
BLANK	WG878634-1		1	0.08	

		Comments	Sample Result	Spike Conc	Spike Result	% Rec
MS	WG878634-4		3.7	4	8.06	109
LCS	WG878634-2			2	1.92	96

L16078

ALPHA ANALYTICAL LABS

BACTERIA DEPARTMENT

TOTAL ORGANIC CARBON

Last Change 03/4/13 GFF
File TOC/DOC.xlt

Sample Number: _____

Client: _____

Analysis: TOC

TOC Instrument ID: 3

Method: SM 5310C

Product: TOC-5310

Analyte: Total Organic Carbon,

Analysis Date: 3/30/2016 8:58

Technician: dw

Work group: wg878633

MDL: 0.5 mg/l

Page Number:

LCS Conc. (ppm): 2

Spike Conc(ppm): 20

	Sample Number	COMMENTS	MDL Multiplier	RESULT mg/L	
DUP	WG878633-3		5	4.18	L1607846-01
SAMP	L1607846-01		5	4.23	
SAMP	L1607846-02		5	4.47	
SAMP	L1607846-03		5	4.31	
SAMP	L1607846-04		5	4.26	
SAMP	L1607846-05		5	4.27	
SAMP	L1607846-06		5	4.25	
SAMP	L1607846-07		5	4.22	
SAMP	L1607846-08		5	4.36	
SAMP	L1607846-09		5	4.15	
BLANK	WG878633-1		1	0.00	

		Comments	Sample Result	Spike Conc	Spike Result	% Rec	
MS	WG878633-4		4.23	20	24	99	L16078
LCS	WG878633-2			2	1.92	96	

Instr.Information

System TOC-VW
Detector Wet Chemical

Sample

Sample Name: di
Sample ID:
Origin: 10142015 toc-3.2015_10_14_12_22_33.cal
Status Completed
Chk. Result

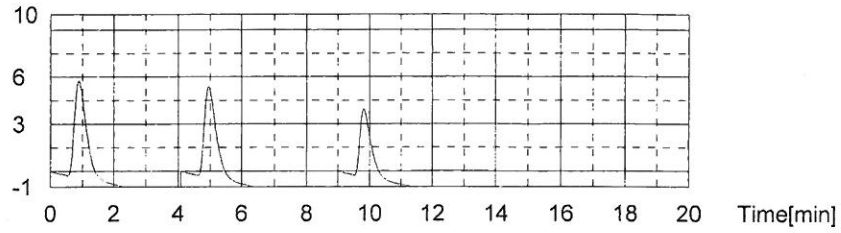
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.03843mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	15.91	0.04154mg/L	2500uL	1		10142015 toc-3.2015_10_14_12_22_3	11/11/2015 7:08:16 AM
2	14.86	0.03532mg/L	2500uL	1		10142015 toc-3.2015_10_14_12_22_3	11/11/2015 7:15:31 AM
3	9.483	0.00345mg/L	2500uL	1	E	10142015 toc-3.2015_10_14_12_22_3	11/11/2015 7:22:46 AM

Mean Area 15.39
Mean Conc. 0.03843mg/L

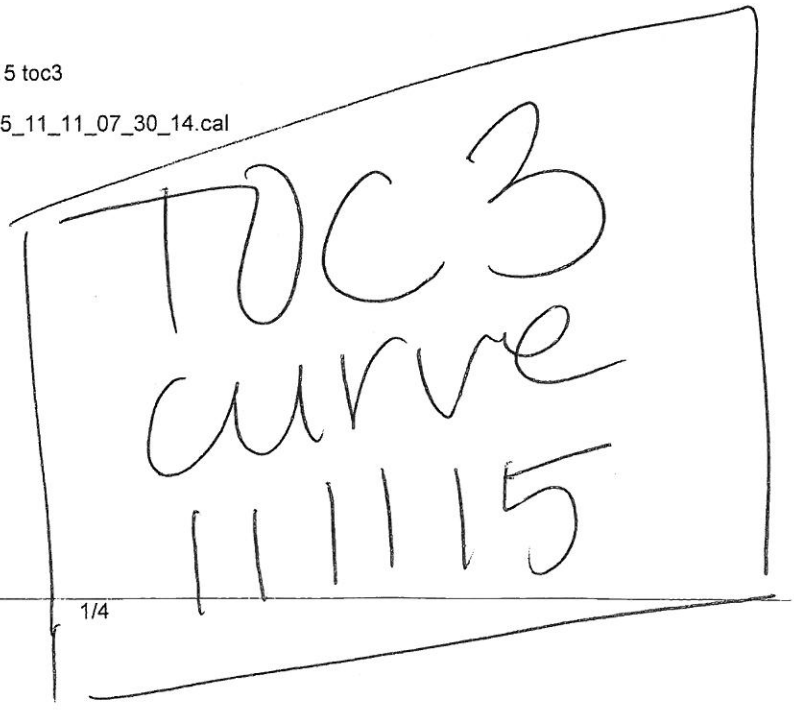


Cal. Curve

Sample Name: new curve 11112015 toc3
Sample ID: Untitled
Cal. Curve: 11112015 toc3.2015_11_11_07_30_14.cal
Status Completed

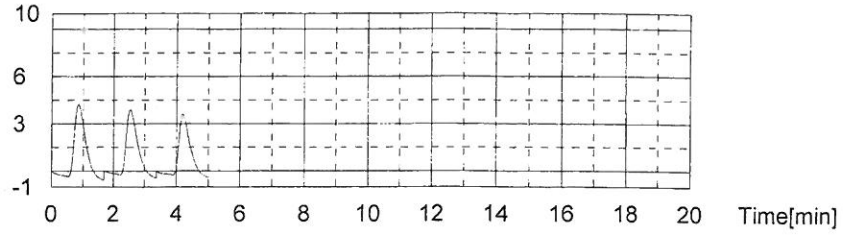
Type	Anal.
Standard	NPOC

Conc: 0.000mg/L



No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	11.53	2500uL	1	*******		11/11/2015 7:39:15 AM
2	10.69	2500uL	1	*******		11/11/2015 7:44:00 AM
3	9.530	2500uL	1	*******	E	11/11/2015 7:48:37 AM

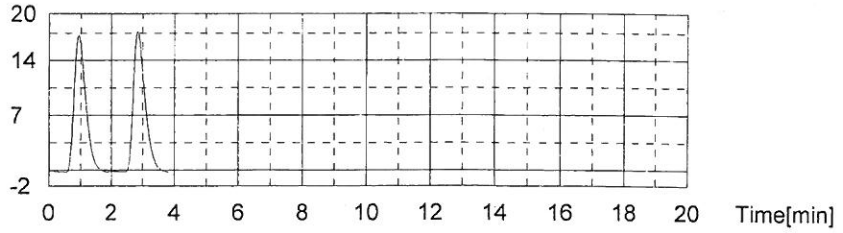
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 11.11



Conc: 0.2000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	46.76	2500uL	1	*******		11/11/2015 7:59:35 AM
2	47.99	2500uL	1	*******		11/11/2015 8:03:51 AM

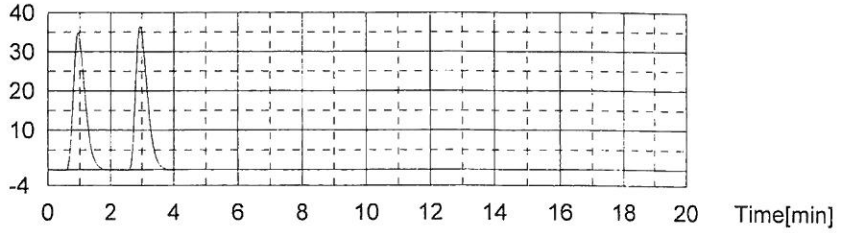
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 47.38



Conc: 0.5000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	94.22	2500uL	1	*******		11/11/2015 8:15:09 AM
2	96.76	2500uL	1	*******		11/11/2015 8:19:26 AM

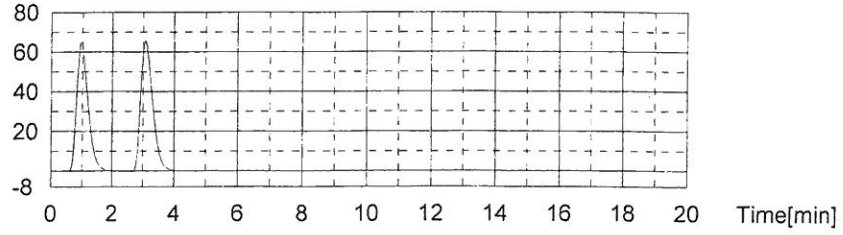
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 95.49



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	177.4	2500uL	1	*******		11/11/2015 8:30:51 AM
2	178.9	2500uL	1	*******		11/11/2015 8:35:08 AM

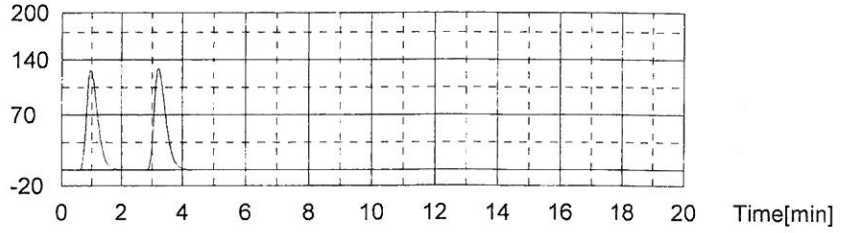
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 178.2



Conc: 2.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	347.7	2500uL	1	*******		11/11/2015 8:46:41 AM
2	356.1	2500uL	1	*******		11/11/2015 8:50:57 AM

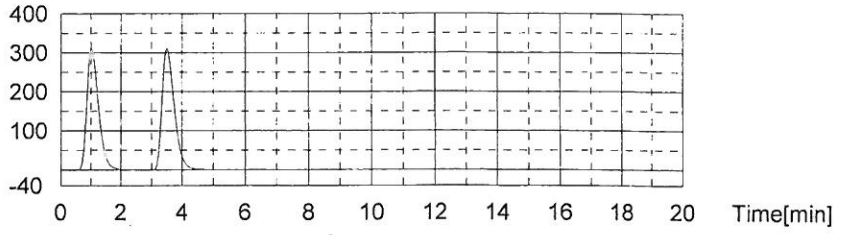
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 351.9



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	871.7	2500uL	1	*******		11/11/2015 9:02:50 AM
2	877.8	2500uL	1	*******		11/11/2015 9:07:25 AM

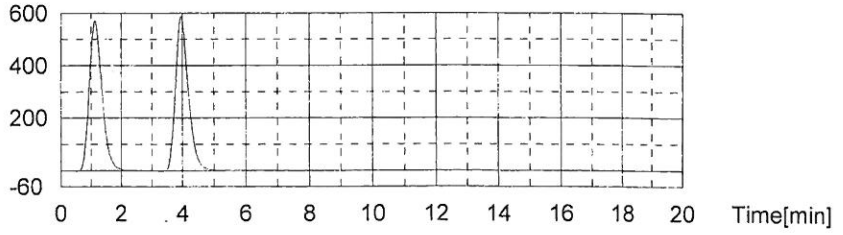
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 874.8



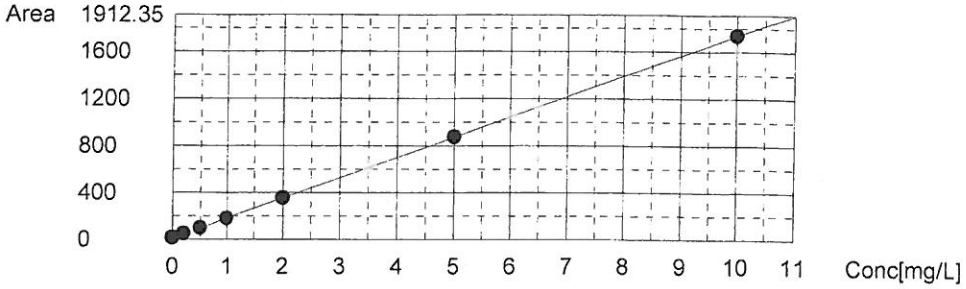
Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1744	2500uL	1	*******		11/11/2015 9:19:34 AM
2	1733	2500uL	1	*******		11/11/2015 9:24:29 AM

Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 1739



Slope:	172.9
Intercept	9.160
r^2	0.999982
r	0.999991
Zero Shift	No



Instr.Information

System TOC-VW
Detector Wet Chemical

Sample

Sample Name: di 2reps
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

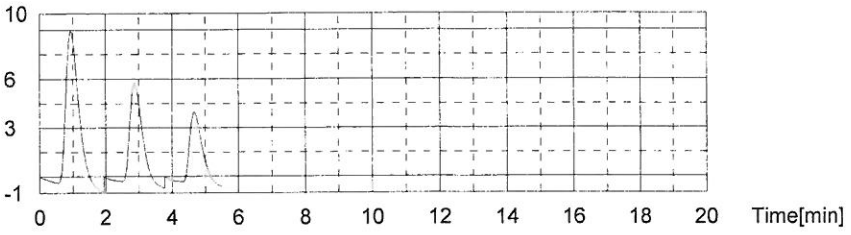
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.02843mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	26.16	0.09833mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	3/30/2016 7:23:02 AM
2	16.34	0.04153mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 7:27:11 AM
3	11.81	0.01533mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 7:32:12 AM

Mean Area 14.07
Mean Conc. 0.02843mg/L



Sample

Sample Name: ic ck std 10ppm
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

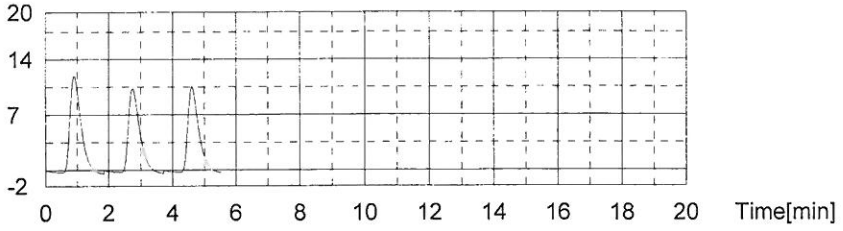
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1010mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	30.93	0.1259mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	3/30/2016 7:42:42 AM
2	26.80	0.1020mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 7:47:52 AM
3	26.46	0.1001mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 7:53:08 AM

Mean Area 26.63
Mean Conc. 0.1010mg/L



Sample

Sample Name: icv 2ppm
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.004mg/L

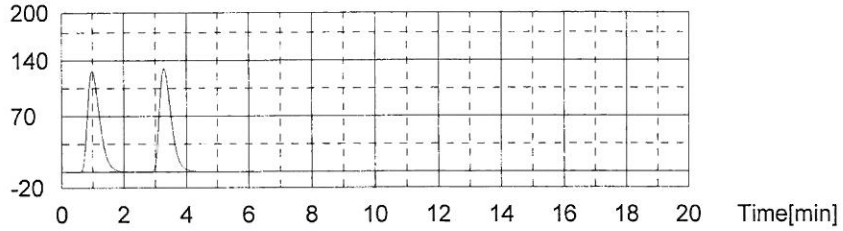
2.00

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	356.6	2.010mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 8:04:06 AM
2	354.7	1.999mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 8:08:26 AM

Mean Area 355.6
Mean Conc. 2.004mg/L



Sample

Sample Name: icb
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

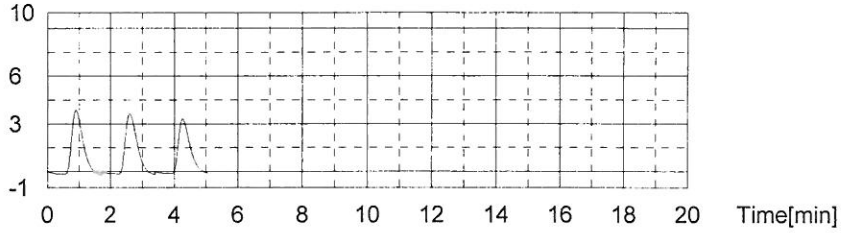
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.00602mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.57	0.00816mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 8:19:04 AM
2	9.830	0.00388mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 8:23:41 AM
3	8.792	-0.00213mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	3/30/2016 8:28:19 AM

Mean Area 10.20
Mean Conc. 0.00602mg/L



Sample

Sample Name: mb
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

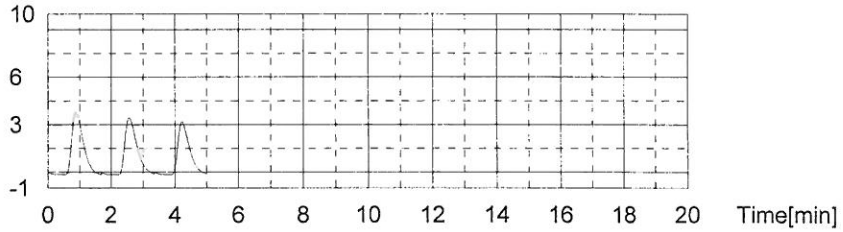
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.00448mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.38	0.00706mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 8:38:39 AM
2	9.488	0.00190mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 8:43:13 AM
3	8.483	-0.00391mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	3/30/2016 8:47:50 AM

Mean Area 9.934
Mean Conc. 0.00448mg/L



Sample

Sample Name: lcs 2ppm
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.923mg/L

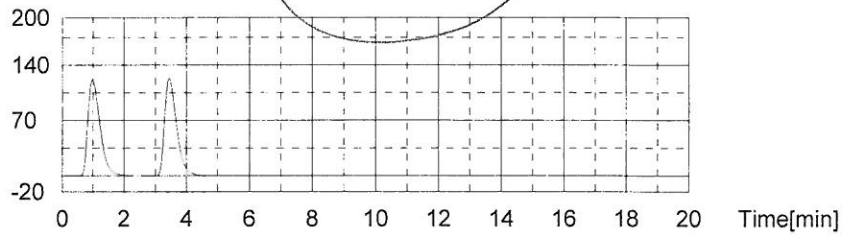
1.92

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	341.6	1.923mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 8:58:57 AM
2	341.7	1.923mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 9:03:27 AM

Mean Area 341.6
Mean Conc. 1.923mg/L



Sample

Sample Name: 7846-01 10x
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

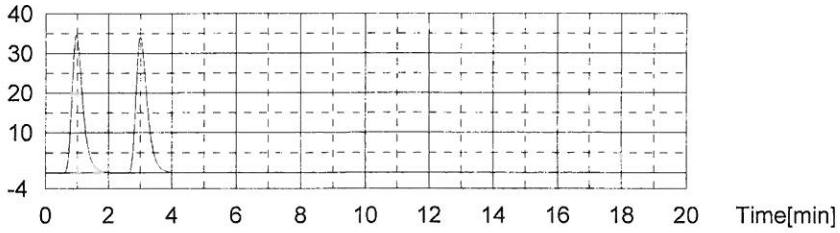
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4573mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	88.84	0.4609mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 9:42:54 AM
2	87.60	0.4537mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 9:47:12 AM

Mean Area 88.22
Mean Conc. 0.4573mg/L



Sample

Sample Name: 7846-01 5x
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8458mg/L

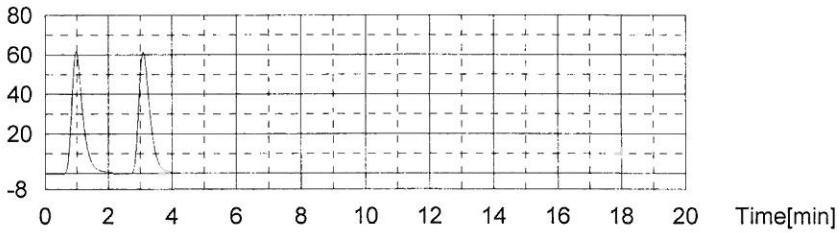
4.23
57

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	156.4	0.8516mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 10:13:33 AM
2	154.4	0.8400mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 10:17:50 AM

Mean Area 155.4
Mean Conc. 0.8458mg/L



Sample

Sample Name: 7846-02 5x
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8935mg/L

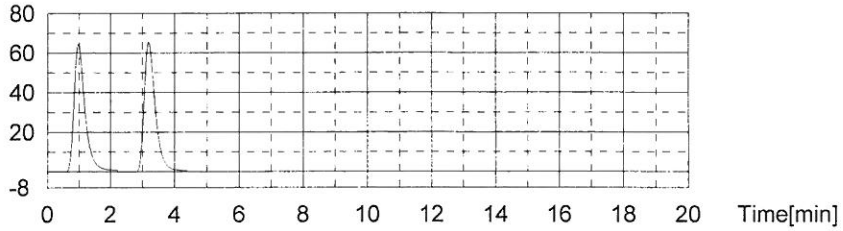
1. Det

4.47
57

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	164.4	0.8979mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 10:56:30 AM
2	162.9	0.8892mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 11:00:46 AM

Mean Area 163.7
Mean Conc. 0.8935mg/L



Sample

Sample Name: 7846-03 5x
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8614mg/L

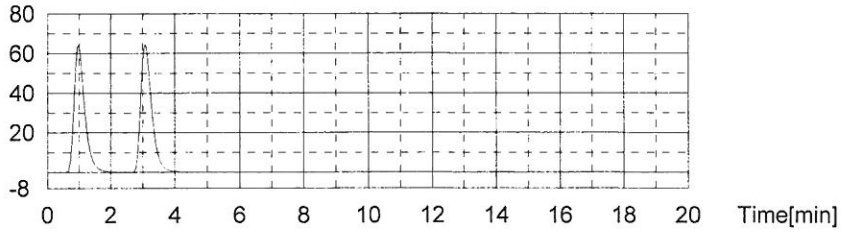
1. Det

Anal.: NPOC

4.31
57

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	157.6	0.8586mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 11:11:48 AM
2	158.6	0.8643mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 11:16:07 AM

Mean Area 158.1
Mean Conc. 0.8614mg/L



Sample

Sample Name: 7846-04 5x
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8513mg/L

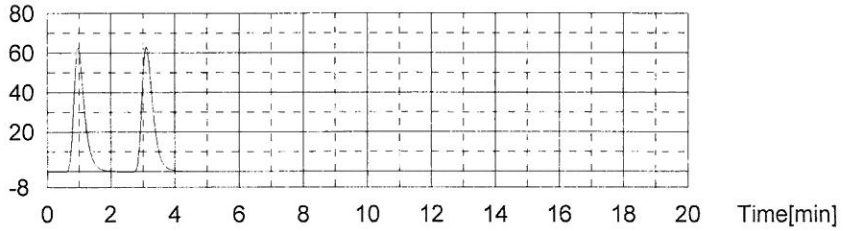
4.26
57

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	156.1	0.8499mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 11:27:10 AM
2	156.6	0.8528mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 11:31:23 AM

Mean Area 156.3
Mean Conc. 0.8513mg/L



Sample

Sample Name: 7846-05 5x
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8545mg/L

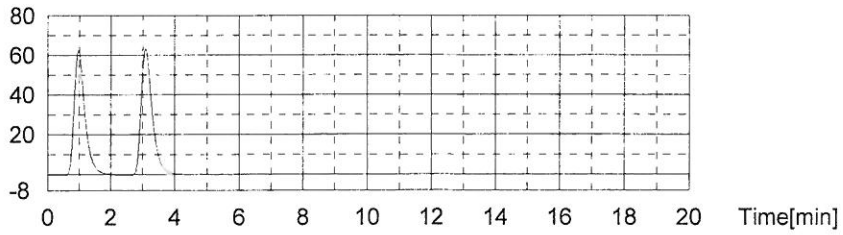
4.27
57

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	156.2	0.8505mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 11:42:26 AM
2	157.6	0.8586mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 11:46:42 AM

Mean Area 156.9
Mean Conc. 0.8545mg/L



Sample

Sample Name: 7846-06 5x
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8502mg/L

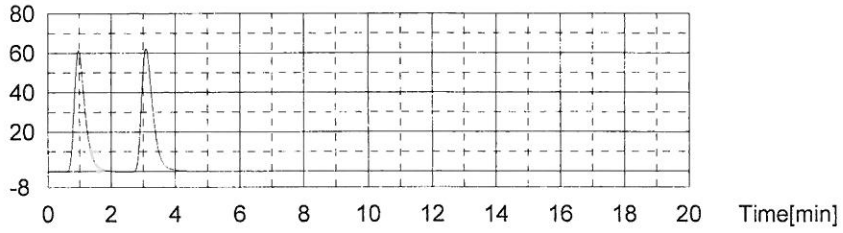
1. Det

Anal.: NPOC

4.25
CT

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	154.8	0.8424mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 11:57:50 AM
2	157.5	0.8580mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 12:02:14 PM

Mean Area 156.2
Mean Conc. 0.8502mg/L



Sample

Sample Name: 7846-07 5x
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8447mg/L

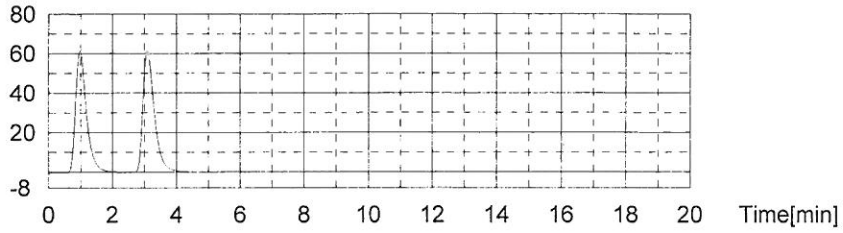
1. Det

4.22
CT

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	153.7	0.8360mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 12:13:18 PM
2	156.7	0.8533mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 12:17:42 PM

Mean Area 155.2
Mean Conc. 0.8447mg/L



Sample

Sample Name: ccv 2ppm
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

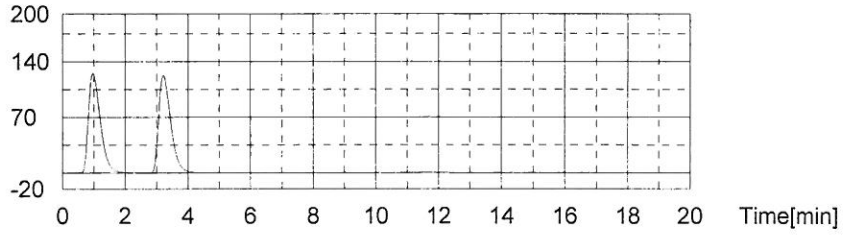
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.905mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	338.5	1.905mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 12:33:54 PM
2	338.7	1.906mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 12:38:17 PM

Mean Area 338.6
Mean Conc. 1.905mg/L



Sample

Sample Name: ccb
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

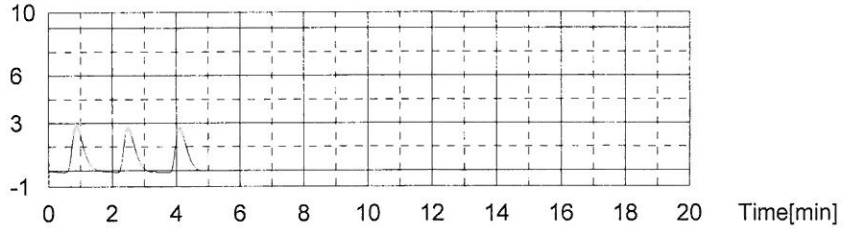
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.01235mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.312	-0.01069mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	3/30/2016 12:48:49 PM
2	6.991	-0.01254mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 12:53:23 PM
3	7.057	-0.01216mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 12:57:57 PM

Mean Area 7.024
Mean Conc. -0.01235mg/L



Sample

Sample Name: 7846-08 5x
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

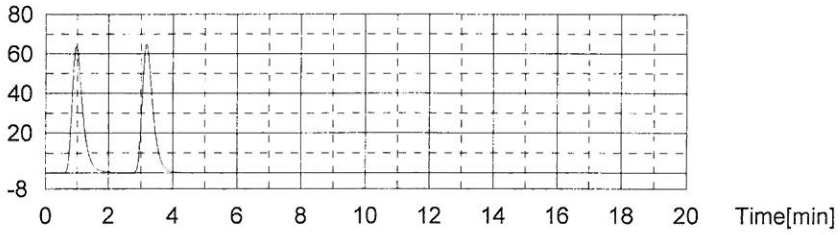
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8716mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	160.1	0.8730mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 1:08:49 PM
2	159.6	0.8701mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 1:13:01 PM

Mean Area 159.8
Mean Conc. 0.8716mg/L



Sample

Sample Name: 7846-09 5x
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8293mg/L

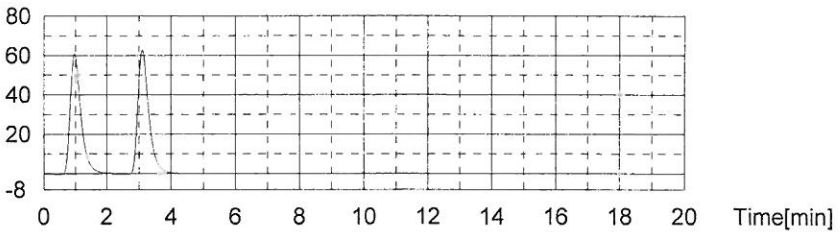
1. Det

4.15
57

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	151.6	0.8238mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 1:24:04 PM
2	153.5	0.8348mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 1:28:19 PM

Mean Area 152.6
Mean Conc. 0.8293mg/L



Sample

Sample Name: 7846-01 dup 5x
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8366mg/L

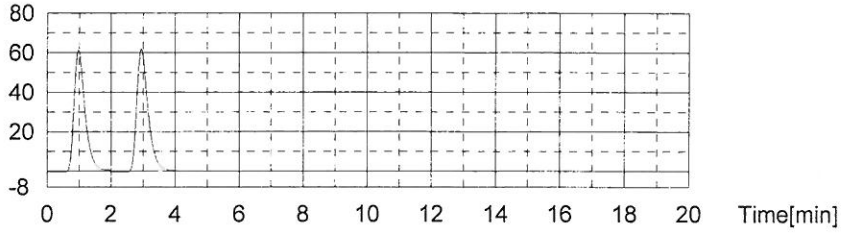
1. Det

4.18
57

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	151.9	0.8256mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 1:39:13 PM
2	155.7	0.8476mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 1:43:47 PM

Mean Area 153.8
Mean Conc. 0.8366mg/L



Sample

Sample Name: 7846-01 spk 20ppm 5x
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.801mg/L

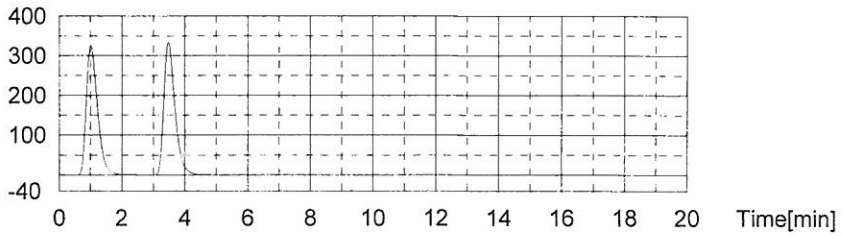
24.0
57

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	835.3	4.778mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 1:55:12 PM
2	843.3	4.825mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 1:59:48 PM

Mean Area 839.3
Mean Conc. 4.801mg/L



Sample

Sample Name: fb doc 7846 031816 04:15
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.08254mg/L

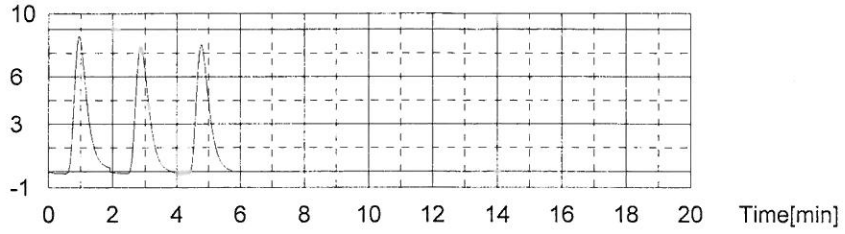
0.08

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	24.85	0.09075mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	3/30/2016 2:29:02 PM
2	23.22	0.08132mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 2:33:19 PM
3	23.64	0.08375mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 2:37:37 PM

Mean Area 23.43
Mean Conc. 0.08254mg/L



Sample

Sample Name: 7846-01 doc
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.757mg/L

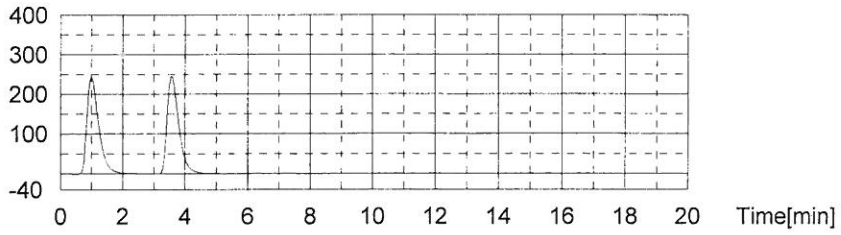
1. Det

3.76

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	654.8	3.734mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 2:48:51 PM
2	662.6	3.779mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 2:53:31 PM

Mean Area 658.7
Mean Conc. 3.757mg/L



Sample

Sample Name: 7846-02 doc
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.078mg/L

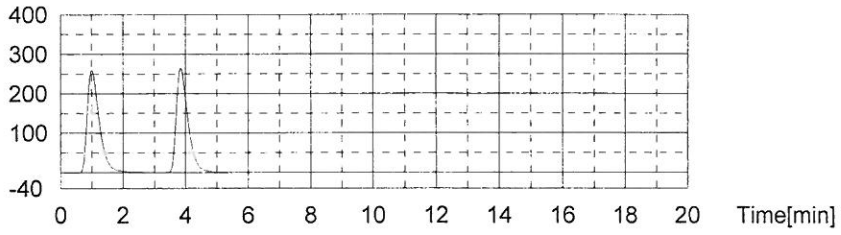
4.08

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	714.9	4.082mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 3:05:18 PM
2	713.6	4.074mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 3:10:01 PM

Mean Area 714.3
Mean Conc. 4.078mg/L



Sample

Sample Name: 7846-03 doc
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.703mg/L

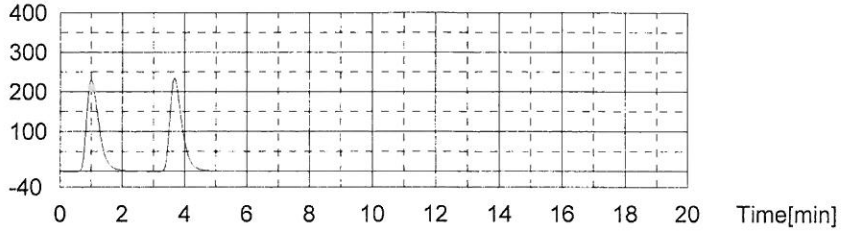
1. Det

3.70

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	645.7	3.682mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 3:21:37 PM
2	653.2	3.725mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 3:26:20 PM

Mean Area 649.5
Mean Conc. 3.703mg/L



Sample

Sample Name: 7846-04 doc
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.783mg/L

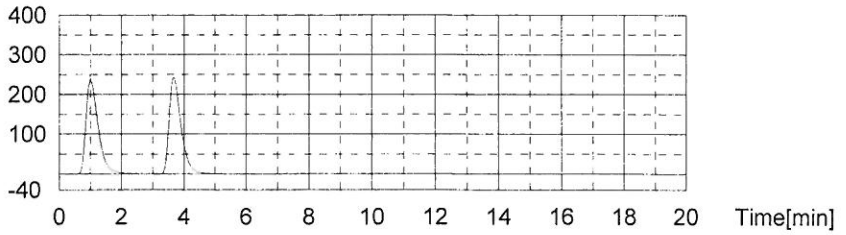
3.78

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	660.2	3.766mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 3:37:56 PM
2	666.4	3.801mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 3:42:41 PM

Mean Area 663.3
Mean Conc. 3.783mg/L



Sample

Sample Name: 7846-05 doc
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.698mg/L

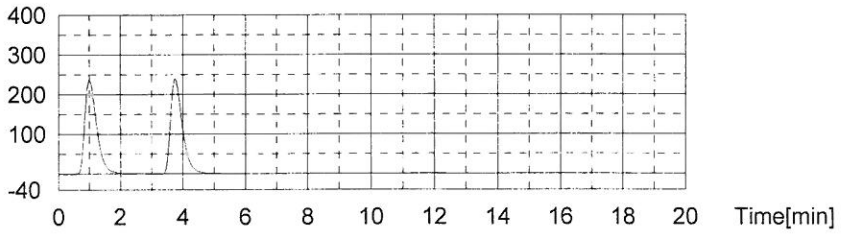
3.70

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	647.5	3.692mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 3:54:22 PM
2	649.6	3.704mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 3:59:12 PM

Mean Area 648.5
Mean Conc. 3.698mg/L



Sample

Sample Name: 2ppm ccv
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

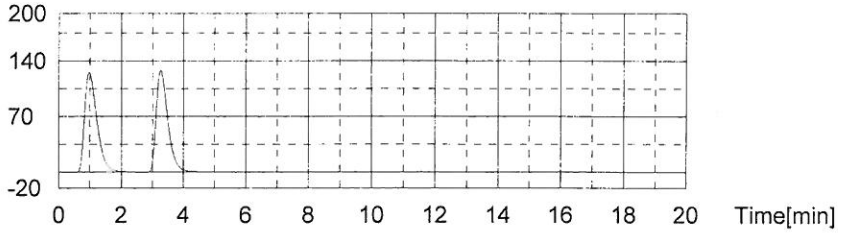
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.974mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	353.1	1.989mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 4:15:03 PM
2	347.9	1.959mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 4:19:24 PM

Mean Area 350.5
Mean Conc. 1.974mg/L



Sample

Sample Name: ccb
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

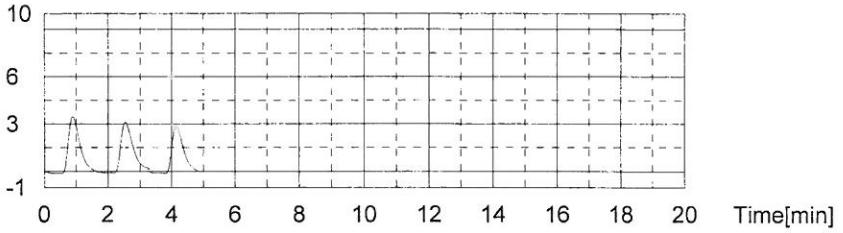
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.00809mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.206	0.00027mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	3/30/2016 4:30:00 PM
2	7.992	-0.00675mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 4:34:35 PM
3	7.530	-0.00943mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 4:39:10 PM

Mean Area 7.761
Mean Conc. -0.00809mg/L



Sample

Sample Name: 7846.6 doc 1x
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.725mg/L

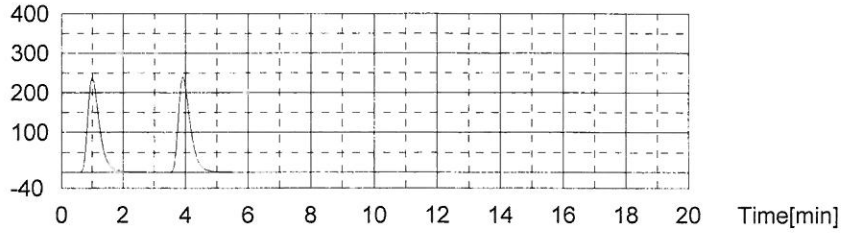
3.73

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	653.4	3.726mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 4:50:46 PM
2	652.9	3.723mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 4:55:26 PM

Mean Area 653.1
Mean Conc. 3.725mg/L



Sample

Sample Name: 7846.7 doc
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.761mg/L

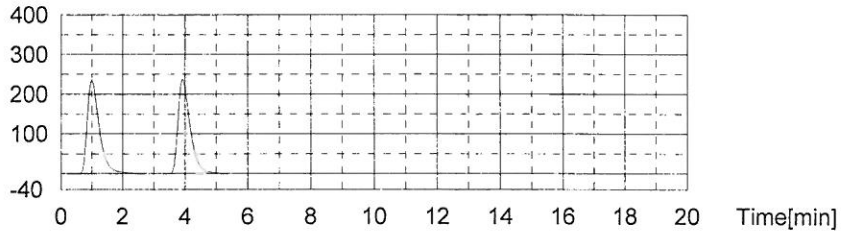
3.76

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	659.8	3.763mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 5:07:18 PM
2	659.1	3.759mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 5:11:51 PM

Mean Area 659.5
Mean Conc. 3.761mg/L



Sample

Sample Name: 7846.8 doc
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.308mg/L

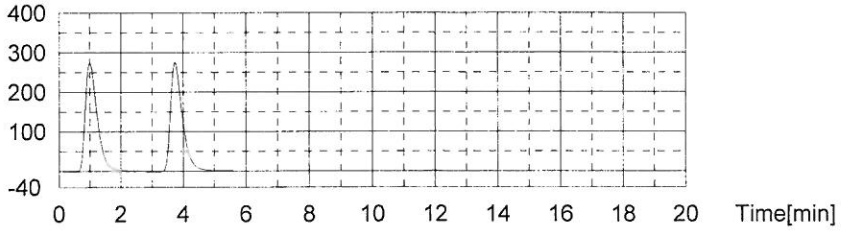
4.31

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	745.2	4.257mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 5:23:32 PM
2	762.8	4.359mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 5:28:33 PM

Mean Area 754.0
Mean Conc. 4.308mg/L



Sample

Sample Name: 7846.9 doc
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.294mg/L

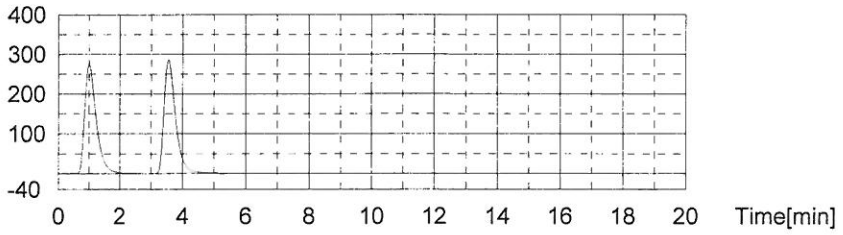
4.29

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	745.6	4.259mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 5:40:03 PM
2	757.5	4.328mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 5:45:19 PM

Mean Area 751.5
Mean Conc. 4.294mg/L



Sample

Sample Name: 7846-01 doc dup
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

3.80

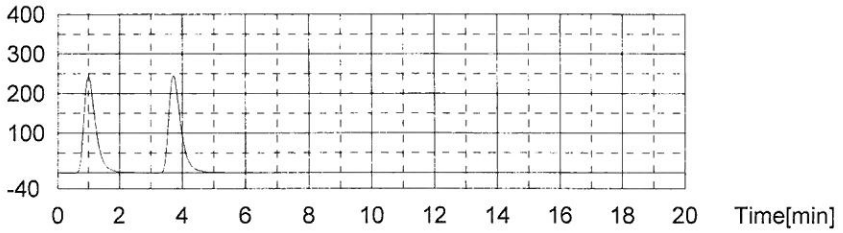
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.795mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	661.4	3.772mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 6:01:50 PM
2	669.1	3.817mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 6:06:34 PM

Mean Area 665.3
Mean Conc. 3.795mg/L



Sample

Sample Name: 7846-03 ms doc
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

8.06

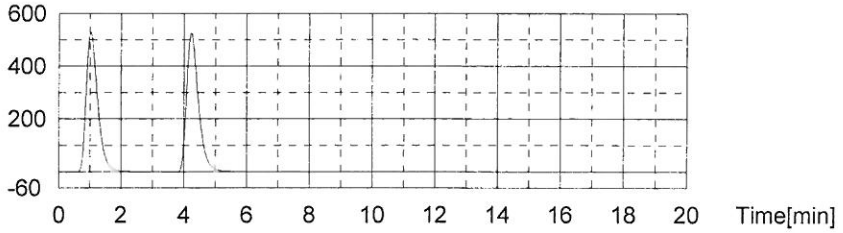
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:8.056mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1401	8.050mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 6:18:43 PM
2	1403	8.062mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 6:23:25 PM

Mean Area 1402
Mean Conc. 8.056mg/L



Sample

Sample Name: ccv 2ppm
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

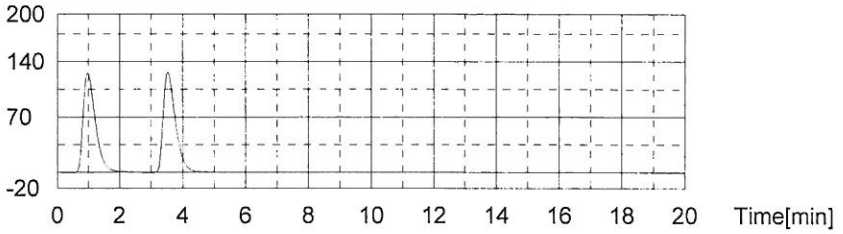
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.985mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	354.5	1.997mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 6:34:55 PM
2	350.2	1.973mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 6:39:16 PM

Mean Area 352.4
Mean Conc. 1.985mg/L



Sample

Sample Name: ccb
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

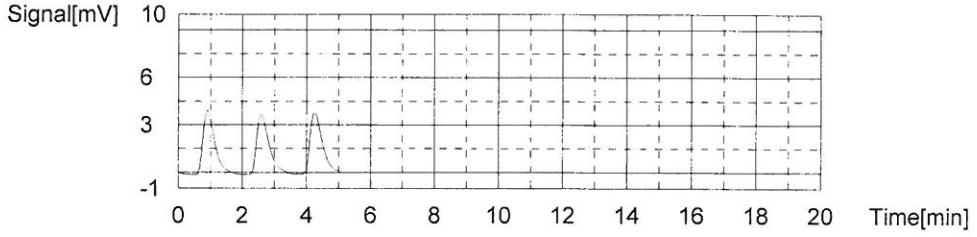
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.00510mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.41	0.00723mg/L	2500uL	1	E	11112015 toc3.2015_11_11_07_30_14	3/30/2016 6:49:54 PM
2	9.963	0.00465mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 6:54:38 PM
3	10.12	0.00555mg/L	2500uL	1		11112015 toc3.2015_11_11_07_30_14	3/30/2016 6:59:20 PM

Mean Area 10.04
Mean Conc. 0.00510mg/L



Work Group

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Apr 06 2016, 02:22 pm

Work Group: WG878633 for Department: 7 Wet Chemistry

Created: 30-MAR-16 Due: Operator: dw

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1607846-01	SW1A 20160316	S	TOC-5310	WATER	DONE	U	0413	0407	S0	Vial-D
L1607846-02	SW1B 20160316	S	TOC-5310	WATER	DONE	U	0413	0407	S0	Vial-D
L1607846-03	SW1C 20160316	S	TOC-5310	WATER	DONE	U	0413	0407	S0	Vial-D
L1607846-04	SW2A 20160316	S	TOC-5310	WATER	DONE	U	0413	0407	S0	Vial-D
L1607846-05	SW2C 20160316	S	TOC-5310	WATER	DONE	U	0413	0407	S0	Vial-D
L1607846-06	SW2B 20160316	S	TOC-5310	WATER	DONE	U	0413	0407	S0	Vial-D
L1607846-07	SW3A 20160316	S	TOC-5310	WATER	DONE	U	0413	0407	S0	Vial-D
L1607846-08	SW3B 20160316	S	TOC-5310	WATER	DONE	U	0413	0407	S0	Vial-D
L1607846-09	SW3C 20160316	S	TOC-5310	WATER	DONE	U	0413	0407	S0	Vial-D
WG878633-1	Laboratory Method Bl	S	TOC-5310	WATER	DONE	U				
WG878633-2	Laboratory Control S	S	TOC-5310	WATER	DONE	U				
WG878633-3	Duplicate Sample	S	TOC-5310	WATER	DONE	U				
WG878633-4	Matrix Spike	S	TOC-5310	WATER	DONE	U				

Comments:

WG878633-3	L1607846-01
WG878633-4	L1607846-01

Page 1

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Apr 06 2016, 02:22 pm

Work Group: WG878634 for Department: 7 Wet Chemistry

Created: 30-MAR-16 Due: Operator: dw

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1607846-01	SW1A 20160316	S	DOC-5310	WATER	DONE	U	0413	0407	S0	Amber-A1
L1607846-02	SW1B 20160316	S	DOC-5310	WATER	DONE	U	0413	0407	S0	Amber-A1
L1607846-03	SW1C 20160316	S	DOC-5310	WATER	DONE	U	0413	0407	S0	Amber-A1
L1607846-04	SW2A 20160316	S	DOC-5310	WATER	DONE	U	0413	0407	S0	Amber-A1
L1607846-05	SW2C 20160316	S	DOC-5310	WATER	DONE	U	0413	0407	S0	Amber-A1
L1607846-06	SW2B 20160316	S	DOC-5310	WATER	DONE	U	0413	0407	S0	Amber-A1
L1607846-07	SW3A 20160316	S	DOC-5310	WATER	DONE	U	0413	0407	S0	Amber-A1
L1607846-08	SW3B 20160316	S	DOC-5310	WATER	DONE	U	0413	0407	S0	Amber-A1
L1607846-09	SW3C 20160316	S	DOC-5310	WATER	DONE	U	0413	0407	S0	Amber-A1
WG878634-1	Laboratory Method Bl	S	DOC-5310	WATER	DONE	U				
WG878634-2	Laboratory Control S	S	DOC-5310	WATER	DONE	U				
WG878634-3	Duplicate Sample	S	DOC-5310	WATER	DONE	U				
WG878634-4	Matrix Spike	S	DOC-5310	WATER	DONE	U				

Comments:

WG878634-3	L1607846-01
WG878634-4	L1607846-03

Alpha Report

ANALYTICAL REPORT

Lab Number:	L1607846
Client:	Anchor QEA, LLC 720 Olive Way Suite 1900 Seattle, WA 98101
ATTN:	Cindy Fields
Phone:	(818) 422-4820
Project Name:	FORMER GLEN FALLS OU-2
Project Number:	E50593-01.01
Report Date:	04/08/16

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Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), ME (MA00030), PA (68-02089), VA (460194), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), USFWS (Permit #LE2069641), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1607846-01	SW1A 20160316	WATER	GLEN FALLS, NY	03/16/16 10:20	03/17/16
L1607846-02	SW1B 20160316	WATER	GLEN FALLS, NY	03/16/16 10:15	03/17/16
L1607846-03	SW1C 20160316	WATER	GLEN FALLS, NY	03/16/16 10:05	03/17/16
L1607846-04	SW2A 20160316	WATER	GLEN FALLS, NY	03/16/16 10:50	03/17/16
L1607846-05	SW2C 20160316	WATER	GLEN FALLS, NY	03/16/16 10:35	03/17/16
L1607846-06	SW2B 20160316	WATER	GLEN FALLS, NY	03/16/16 10:45	03/17/16
L1607846-07	SW3A 20160316	WATER	GLEN FALLS, NY	03/16/16 08:50	03/17/16
L1607846-08	SW3B 20160316	WATER	GLEN FALLS, NY	03/16/16 08:40	03/17/16
L1607846-09	SW3C 20160316	WATER	GLEN FALLS, NY	03/16/16 08:35	03/17/16
L1607846-10	TRIP BLANK	WATER	GLEN FALLS, NY	03/16/16 00:00	03/17/16

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846
Project Number: E50593-01.01 **Report Date:** 04/08/16

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846
Project Number: E50593-01.01 **Report Date:** 04/08/16

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

The WG878773-3/-4 LCS/LCSD recoveries, associated with L1607846-01 through -10, are above the individual acceptance criteria for Chloroethane (182%/144%), Chloromethane (59%-LCSD only) and Vinyl acetate (139%/139%), but within the overall method allowances. The results of the associated samples are reported; however, all positive detects are considered to have a potentially bias for these compounds. In addition, the WG878773-3/-4 LCS/LCSD RPD(s) are above the acceptance criteria for Chloromethane (68%) and Chloroethane (23%).

Semivolatile Organics

The continuing calibration verification (CCV) standard, associated with L1607846-03, had the percent difference outside of acceptance the criteira for 2,4-Dinitrophenol at (34.3%D) and 2,3,4,6-Tetrachlorophenol at (24.9%D).

Dissolved Organic Carbon

L1607846-09: The DOC result is greater than the TOC result due to the filtering procedure required by the DOC method.

Solids, Total Suspended

A laboratory duplicate could not be performed due to insufficient sample volume available for analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Porta

Title: Technical Director/Representative Date: 04/08/16

ORGANICS

VOLATILES

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-01
Client ID: SW1A 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/29/16 11:46
Analyst: PD

Date Collected: 03/16/16 10:20
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	0.61	J	ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-01 Date Collected: 03/16/16 10:20

Client ID: SW1A 20160316 Date Received: 03/17/16

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	2.9	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	95		70-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-02
Client ID: SW1B 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/29/16 12:10
Analyst: PD

Date Collected: 03/16/16 10:15
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	0.64	J	ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-02 Date Collected: 03/16/16 10:15

Client ID: SW1B 20160316 Date Received: 03/17/16

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	4.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	94		70-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-03
Client ID: SW1C 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/29/16 12:33
Analyst: PD

Date Collected: 03/16/16 10:05
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	0.29	J	ug/l	2.5	0.18	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-03 Date Collected: 03/16/16 10:05

Client ID: SW1C 20160316 Date Received: 03/17/16

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	10		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	95		70-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-04
Client ID: SW2A 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/29/16 12:57
Analyst: PD

Date Collected: 03/16/16 10:50
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	0.58	J	ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-04 Date Collected: 03/16/16 10:50

Client ID: SW2A 20160316 Date Received: 03/17/16

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	5.0		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	94		70-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-05
Client ID: SW2C 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/29/16 13:21
Analyst: PD

Date Collected: 03/16/16 10:35
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	0.59	J	ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-05 Date Collected: 03/16/16 10:35

Client ID: SW2C 20160316 Date Received: 03/17/16

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	6.0		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	95		70-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-06
Client ID: SW2B 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/29/16 13:44
Analyst: PD

Date Collected: 03/16/16 10:45
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	0.18	J	ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	0.61	J	ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-06 Date Collected: 03/16/16 10:45

Client ID: SW2B 20160316 Date Received: 03/17/16

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	6.4		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	94		70-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-07
Client ID: SW3A 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/29/16 14:08
Analyst: PD

Date Collected: 03/16/16 08:50
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-07 Date Collected: 03/16/16 08:50

Client ID: SW3A 20160316 Date Received: 03/17/16

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	5.7		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	95		70-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-08
Client ID: SW3B 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/29/16 14:32
Analyst: PD

Date Collected: 03/16/16 08:40
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-08 Date Collected: 03/16/16 08:40

Client ID: SW3B 20160316 Date Received: 03/17/16

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	11		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	95		70-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-09
Client ID: SW3C 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/29/16 14:55
Analyst: PD

Date Collected: 03/16/16 08:35
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	0.18	J	ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	0.60	J	ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-09 Date Collected: 03/16/16 08:35

Client ID: SW3C 20160316 Date Received: 03/17/16

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	9.3		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	95		70-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-10
Client ID: TRIP BLANK
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/29/16 15:19
Analyst: PD

Date Collected: 03/16/16 00:00
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	0.28	J	ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	0.60	J	ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-10 Date Collected: 03/16/16 00:00

Client ID: TRIP BLANK Date Received: 03/17/16

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	2.6	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	94		70-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/29/16 10:35
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG878773-5					
Methylene chloride	ND		ug/l	3.0	0.29
1,1-Dichloroethane	ND		ug/l	0.75	0.21
Chloroform	ND		ug/l	0.75	0.16
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.8	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	0.50	0.18
Trichlorofluoromethane	ND		ug/l	2.5	0.16
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	0.75	0.16
Ethylbenzene	ND		ug/l	0.50	0.17
Chloromethane	ND		ug/l	2.5	0.18
Bromomethane	ND		ug/l	1.0	0.26
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	1.0	0.13
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16
1,2-Dichloroethene, Total	ND		ug/l	0.50	0.16
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/29/16 10:35
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG878773-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19
Methyl tert butyl ether	ND		ug/l	1.0	0.16
p/m-Xylene	ND		ug/l	1.0	0.33
o-Xylene	ND		ug/l	1.0	0.33
Xylenes, Total	ND		ug/l	1.0	0.33
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19
Styrene	ND		ug/l	1.0	0.36
Dichlorodifluoromethane	ND		ug/l	5.0	0.24
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	0.30
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	0.31
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42
2-Hexanone	ND		ug/l	5.0	0.52
Bromochloromethane	ND		ug/l	2.5	0.14
1,2-Dibromoethane	ND		ug/l	2.0	0.19
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33
Isopropylbenzene	ND		ug/l	0.50	0.19
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22
Methyl Acetate	ND		ug/l	10	0.23
Cyclohexane	ND		ug/l	10	0.27
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	10	0.15
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/29/16 10:35
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG878773-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG878773-3 WG878773-4								
Methylene chloride	116		110		70-130	5		20
1,1-Dichloroethane	120		116		70-130	3		20
Chloroform	115		113		70-130	2		20
Carbon tetrachloride	95		90		63-132	5		20
1,2-Dichloropropane	118		115		70-130	3		20
Dibromochloromethane	88		88		63-130	0		20
1,1,2-Trichloroethane	120		122		70-130	2		20
Tetrachloroethene	95		93		70-130	2		20
Chlorobenzene	110		108		75-130	2		25
Trichlorofluoromethane	135		127		62-150	6		20
1,2-Dichloroethane	122		121		70-130	1		20
1,1,1-Trichloroethane	104		100		67-130	4		20
Bromodichloromethane	109		107		67-130	2		20
trans-1,3-Dichloropropene	106		105		70-130	1		20
cis-1,3-Dichloropropene	103		101		70-130	2		20
Bromoform	83		83		54-136	0		20
1,1,2,2-Tetrachloroethane	129		130		67-130	1		20
Benzene	112		108		70-130	4		25
Toluene	99		97		70-130	2		25
Ethylbenzene	116		112		70-130	4		20
Chloromethane	120		**59**	Q	64-130	**68**	Q	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG878773-3 WG878773-4								
Bromomethane	115		109		39-139	5		20
Vinyl chloride	129		116		55-140	11		20
Chloroethane	**182**	Q	**144**	Q	55-138	**23**	Q	20
1,1-Dichloroethene	105		100		61-145	5		25
trans-1,2-Dichloroethene	106		102		70-130	4		20
Trichloroethene	109		105		70-130	4		25
1,2-Dichlorobenzene	109		107		70-130	2		20
1,3-Dichlorobenzene	108		107		70-130	1		20
1,4-Dichlorobenzene	111		109		70-130	2		20
Methyl tert butyl ether	99		100		63-130	1		20
p/m-Xylene	112		109		70-130	3		20
o-Xylene	112		109		70-130	3		20
cis-1,2-Dichloroethene	107		104		70-130	3		20
Styrene	114		111		70-130	3		20
Dichlorodifluoromethane	104		99		36-147	5		20
Acetone	93		101		58-148	8		20
Carbon disulfide	107		101		51-130	6		20
2-Butanone	118		118		63-138	0		20
Vinyl acetate	**139**	Q	**139**	Q	70-130	0		20
4-Methyl-2-pentanone	102		105		59-130	3		20
2-Hexanone	104		107		57-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2

Project Number: E50593-01.01

Lab Number: L1607846

Report Date: 04/08/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG878773-3 WG878773-4								
Bromochloromethane	97		96		70-130	1		20
1,2-Dibromoethane	109		110		70-130	1		20
1,2-Dibromo-3-chloropropane	129		127		41-144	2		20
Isopropylbenzene	117		114		70-130	3		20
1,2,3-Trichlorobenzene	100		104		70-130	4		20
1,2,4-Trichlorobenzene	96		96		70-130	0		20
Methyl Acetate	121		128		70-130	6		20
Cyclohexane	114		109		70-130	4		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	105		100		70-130	5		20
Methyl cyclohexane	104		99		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	112		112		70-130
Toluene-d8	106		106		70-130
4-Bromofluorobenzene	110		112		70-130
Dibromofluoromethane	98		98		70-130

SEMIVOLATILES

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-01
Client ID: SW1A 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/29/16 16:08
Analyst: ML

Date Collected: 03/16/16 10:20
Date Received: 03/17/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/23/16 11:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.568	0.082	1
Pyridine	ND		ug/l	0.568	0.185	1
Benzaldehyde	ND		ug/l	2.27	0.135	1
Aniline	ND		ug/l	1.14	0.144	1
bis(2-Chloroethyl)ether	ND		ug/l	0.568	0.106	1
Phenol	ND		ug/l	0.568	0.058	1
2-Chlorophenol	ND		ug/l	0.568	0.104	1
1,3-Dichlorobenzene	ND		ug/l	0.568	0.089	1
1,4-Dichlorobenzene	ND		ug/l	0.568	0.094	1
1,2-Dichlorobenzene	ND		ug/l	0.568	0.077	1
Benzyl alcohol	ND		ug/l	0.568	0.140	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.568	0.123	1
2-Methylphenol	ND		ug/l	0.568	0.118	1
Acetophenone	0.908	J	ug/l	1.14	0.235	1
Hexachloroethane	ND		ug/l	0.568	0.116	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.568	0.140	1
4-Methylphenol	ND		ug/l	0.568	0.128	1
Nitrobenzene	ND		ug/l	0.568	0.116	1
Isophorone	ND		ug/l	0.568	0.143	1
2-Nitrophenol	ND		ug/l	0.568	0.131	1
2,4-Dimethylphenol	ND		ug/l	2.27	0.274	1
Benzoic acid	ND		ug/l	45.4	3.42	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.568	0.097	1
2,4-Dichlorophenol	ND		ug/l	0.568	0.113	1
1,2,4-Trichlorobenzene	ND		ug/l	0.568	0.109	1
4-Chloroaniline	ND		ug/l	0.568	0.145	1
Hexachlorobutadiene	ND		ug/l	0.568	0.097	1
Caprolactam	ND		ug/l	2.27	0.140	1
4-Chloro-3-methylphenol	ND		ug/l	0.568	0.117	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.568	0.091	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-01 Date Collected: 03/16/16 10:20

Client ID: SW1A 20160316 Date Received: 03/17/16

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.568	0.174	1
2,4,6-Trichlorophenol	ND		ug/l	0.568	0.173	1
2,4,5-Trichlorophenol	ND		ug/l	0.568	0.104	1
Biphenyl	ND		ug/l	0.568	0.126	1
2-Chloronaphthalene	ND		ug/l	0.568	0.102	1
2-Nitroaniline	ND		ug/l	0.568	0.157	1
Dimethylphthalate	ND		ug/l	0.568	0.133	1
2,6-Dinitrotoluene	ND		ug/l	0.568	0.191	1
3-Nitroaniline	ND		ug/l	0.568	0.126	1
2,4-Dinitrophenol	ND		ug/l	5.68	0.827	1
Dibenzofuran	ND		ug/l	0.568	0.103	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.568	0.162	1
2,4-Dinitrotoluene	ND		ug/l	0.568	0.185	1
4-Nitrophenol	ND		ug/l	2.84	0.670	1
4-Chlorophenyl-phenylether	ND		ug/l	0.568	0.090	1
Diethylphthalate	ND		ug/l	0.568	0.204	1
4-Nitroaniline	ND		ug/l	0.568	0.127	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.27	0.580	1
Azobenzene	ND		ug/l	0.568	0.145	1
n-Nitrosodiphenylamine	ND		ug/l	0.568	0.082	1
4-Bromophenyl-phenylether	ND		ug/l	0.568	0.113	1
Hexachlorobenzene	ND		ug/l	0.568	0.139	1
Atrazine	ND		ug/l	0.568	0.182	1
Pentachlorophenol	ND		ug/l	2.27	0.489	1
Pentachloronitrobenzene	ND		ug/l	0.568	0.192	1
Carbazole	ND		ug/l	0.568	0.162	1
Di-n-butylphthalate	ND		ug/l	0.568	0.113	1
Benzidine	ND		ug/l	114	0.527	1
Butylbenzylphthalate	ND		ug/l	0.568	0.096	1
3,3'-Dichlorobenzidine	ND		ug/l	0.568	0.219	1
bis(2-Ethylhexyl)phthalate	ND		ug/l	0.568	0.092	1
Di-n-octylphthalate	ND		ug/l	1.14	0.089	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-01 Date Collected: 03/16/16 10:20

Client ID: SW1A 20160316 Date Received: 03/17/16

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		15-115
Phenol-d5	31		15-115
Nitrobenzene-d5	79		30-130
2-Fluorobiphenyl	82		30-130
2,4,6-Tribromophenol	108		15-115
Terphenyl-d14	94		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-01
Client ID: SW1A 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/25/16 14:48
Analyst: SF

Date Collected: 03/16/16 10:20
Date Received: 03/17/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/23/16 15:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	5.23	J	ng/l	10.3	1.82	1
2-Methylnaphthalene	1.42	J	ng/l	10.3	1.09	1
Acenaphthylene	ND		ng/l	10.3	1.82	1
Acenaphthene	ND		ng/l	10.3	1.66	1
Fluorene	ND		ng/l	10.3	1.78	1
Phenanthrene	2.33	J	ng/l	10.3	1.95	1
Anthracene	ND		ng/l	10.3	2.00	1
Fluoranthene	1.63	J	ng/l	10.3	1.54	1
Pyrene	ND		ng/l	10.3	1.57	1
Benz(a)anthracene	ND		ng/l	10.3	1.78	1
Chrysene	ND		ng/l	10.3	0.965	1
Benzo(b)fluoranthene	ND		ng/l	10.3	1.52	1
Benzo(k)fluoranthene	ND		ng/l	10.3	1.21	1
Benzo(a)pyrene	ND		ng/l	10.3	0.866	1
Indeno(1,2,3-cd)pyrene	7.12	J	ng/l	10.3	0.549	1
Dibenz(a,h)anthracene	5.18	J	ng/l	10.3	0.706	1
Benzo(g,h,i)perylene	ND		ng/l	10.3	1.35	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	64		30-130
Pyrene-d10	76		30-130
Benzo(b)fluoranthene-d12	81		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-02
Client ID: SW1B 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/28/16 15:30
Analyst: ML

Date Collected: 03/16/16 10:15
Date Received: 03/17/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/23/16 11:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.510	0.074	1
Pyridine	ND		ug/l	0.510	0.166	1
Benzaldehyde	ND		ug/l	2.04	0.121	1
Aniline	ND		ug/l	1.02	0.130	1
bis(2-Chloroethyl)ether	ND		ug/l	0.510	0.095	1
Phenol	ND		ug/l	0.510	0.052	1
2-Chlorophenol	ND		ug/l	0.510	0.093	1
1,3-Dichlorobenzene	ND		ug/l	0.510	0.080	1
1,4-Dichlorobenzene	ND		ug/l	0.510	0.085	1
1,2-Dichlorobenzene	ND		ug/l	0.510	0.069	1
Benzyl alcohol	ND		ug/l	0.510	0.126	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.510	0.110	1
2-Methylphenol	ND		ug/l	0.510	0.106	1
Acetophenone	ND		ug/l	1.02	0.211	1
Hexachloroethane	ND		ug/l	0.510	0.104	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.510	0.126	1
4-Methylphenol	ND		ug/l	0.510	0.115	1
Nitrobenzene	ND		ug/l	0.510	0.104	1
Isophorone	ND		ug/l	0.510	0.128	1
2-Nitrophenol	ND		ug/l	0.510	0.117	1
2,4-Dimethylphenol	ND		ug/l	2.04	0.246	1
Benzoic acid	ND		ug/l	40.8	3.07	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.510	0.087	1
2,4-Dichlorophenol	ND		ug/l	0.510	0.102	1
1,2,4-Trichlorobenzene	ND		ug/l	0.510	0.098	1
4-Chloroaniline	ND		ug/l	0.510	0.131	1
Hexachlorobutadiene	ND		ug/l	0.510	0.087	1
Caprolactam	ND		ug/l	2.04	0.126	1
4-Chloro-3-methylphenol	ND		ug/l	0.510	0.105	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.510	0.081	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-02 Date Collected: 03/16/16 10:15

Client ID: SW1B 20160316 Date Received: 03/17/16

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.510	0.156	1
2,4,6-Trichlorophenol	ND		ug/l	0.510	0.155	1
2,4,5-Trichlorophenol	ND		ug/l	0.510	0.093	1
Biphenyl	ND		ug/l	0.510	0.113	1
2-Chloronaphthalene	ND		ug/l	0.510	0.092	1
2-Nitroaniline	ND		ug/l	0.510	0.141	1
Dimethylphthalate	ND		ug/l	0.510	0.119	1
2,6-Dinitrotoluene	ND		ug/l	0.510	0.171	1
3-Nitroaniline	ND		ug/l	0.510	0.113	1
2,4-Dinitrophenol	ND		ug/l	5.10	0.743	1
Dibenzofuran	ND		ug/l	0.510	0.093	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.510	0.146	1
2,4-Dinitrotoluene	ND		ug/l	0.510	0.166	1
4-Nitrophenol	ND		ug/l	2.55	0.602	1
4-Chlorophenyl-phenylether	ND		ug/l	0.510	0.081	1
Diethylphthalate	ND		ug/l	0.510	0.184	1
4-Nitroaniline	ND		ug/l	0.510	0.114	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.04	0.520	1
Azobenzene	ND		ug/l	0.510	0.131	1
n-Nitrosodiphenylamine	ND		ug/l	0.510	0.074	1
4-Bromophenyl-phenylether	ND		ug/l	0.510	0.102	1
Hexachlorobenzene	ND		ug/l	0.510	0.124	1
Atrazine	ND		ug/l	0.510	0.163	1
Pentachlorophenol	ND		ug/l	2.04	0.439	1
Pentachloronitrobenzene	ND		ug/l	0.510	0.172	1
Carbazole	ND		ug/l	0.510	0.146	1
Di-n-butylphthalate	ND		ug/l	0.510	0.102	1
Benzidine	ND		ug/l	102	0.473	1
Butylbenzylphthalate	ND		ug/l	0.510	0.087	1
3,3'-Dichlorobenzidine	ND		ug/l	0.510	0.197	1
bis(2-Ethylhexyl)phthalate	ND		ug/l	0.510	0.083	1
Di-n-octylphthalate	ND		ug/l	1.02	0.080	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-02 Date Collected: 03/16/16 10:15

Client ID: SW1B 20160316 Date Received: 03/17/16

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		15-115
Phenol-d5	27		15-115
Nitrobenzene-d5	73		30-130
2-Fluorobiphenyl	78		30-130
2,4,6-Tribromophenol	109		15-115
Terphenyl-d14	104		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-02
Client ID: SW1B 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/25/16 15:19
Analyst: SF

Date Collected: 03/16/16 10:15
Date Received: 03/17/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/23/16 15:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	5.30	J	ng/l	10.1	1.79	1
2-Methylnaphthalene	1.28	J	ng/l	10.1	1.07	1
Acenaphthylene	ND		ng/l	10.1	1.79	1
Acenaphthene	ND		ng/l	10.1	1.63	1
Fluorene	ND		ng/l	10.1	1.75	1
Phenanthrene	2.07	J	ng/l	10.1	1.91	1
Anthracene	ND		ng/l	10.1	1.96	1
Fluoranthene	ND		ng/l	10.1	1.50	1
Pyrene	ND		ng/l	10.1	1.54	1
Benz(a)anthracene	ND		ng/l	10.1	1.75	1
Chrysene	ND		ng/l	10.1	0.945	1
Benzo(b)fluoranthene	ND		ng/l	10.1	1.49	1
Benzo(k)fluoranthene	ND		ng/l	10.1	1.18	1
Benzo(a)pyrene	ND		ng/l	10.1	0.848	1
Indeno(1,2,3-cd)pyrene	6.92	J	ng/l	10.1	0.538	1
Dibenz(a,h)anthracene	5.05	J	ng/l	10.1	0.692	1
Benzo(g,h,i)perylene	ND		ng/l	10.1	1.32	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	69		30-130
Pyrene-d10	75		30-130
Benzo(b)fluoranthene-d12	82		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-03
Client ID: SW1C 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/30/16 19:09
Analyst: ML

Date Collected: 03/16/16 10:05
Date Received: 03/17/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/23/16 11:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.526	0.076	1
Pyridine	ND		ug/l	0.526	0.172	1
Benzaldehyde	ND		ug/l	2.10	0.125	1
Aniline	ND		ug/l	1.05	0.134	1
bis(2-Chloroethyl)ether	ND		ug/l	0.526	0.098	1
Phenol	ND		ug/l	0.526	0.054	1
2-Chlorophenol	ND		ug/l	0.526	0.096	1
1,3-Dichlorobenzene	ND		ug/l	0.526	0.082	1
1,4-Dichlorobenzene	ND		ug/l	0.526	0.087	1
1,2-Dichlorobenzene	ND		ug/l	0.526	0.072	1
Benzyl alcohol	ND		ug/l	0.526	0.129	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.526	0.114	1
2-Methylphenol	ND		ug/l	0.526	0.109	1
Acetophenone	ND		ug/l	1.05	0.218	1
Hexachloroethane	ND		ug/l	0.526	0.107	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.526	0.129	1
4-Methylphenol	ND		ug/l	0.526	0.119	1
Nitrobenzene	ND		ug/l	0.526	0.107	1
Isophorone	ND		ug/l	0.526	0.133	1
2-Nitrophenol	ND		ug/l	0.526	0.121	1
2,4-Dimethylphenol	ND		ug/l	2.10	0.254	1
Benzoic acid	ND		ug/l	42.1	3.17	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.526	0.090	1
2,4-Dichlorophenol	ND		ug/l	0.526	0.105	1
1,2,4-Trichlorobenzene	ND		ug/l	0.526	0.101	1
4-Chloroaniline	ND		ug/l	0.526	0.135	1
Hexachlorobutadiene	ND		ug/l	0.526	0.090	1
Caprolactam	ND		ug/l	2.10	0.129	1
4-Chloro-3-methylphenol	ND		ug/l	0.526	0.108	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.526	0.084	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-03 Date Collected: 03/16/16 10:05

Client ID: SW1C 20160316 Date Received: 03/17/16

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.526	0.161	1
2,4,6-Trichlorophenol	ND		ug/l	0.526	0.160	1
2,4,5-Trichlorophenol	ND		ug/l	0.526	0.096	1
Biphenyl	ND		ug/l	0.526	0.117	1
2-Chloronaphthalene	ND		ug/l	0.526	0.095	1
2-Nitroaniline	ND		ug/l	0.526	0.145	1
Dimethylphthalate	ND		ug/l	0.526	0.123	1
2,6-Dinitrotoluene	ND		ug/l	0.526	0.177	1
3-Nitroaniline	ND		ug/l	0.526	0.117	1
2,4-Dinitrophenol	ND		ug/l	5.26	0.766	1
Dibenzofuran	ND		ug/l	0.526	0.096	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.526	0.150	1
2,4-Dinitrotoluene	ND		ug/l	0.526	0.172	1
4-Nitrophenol	ND		ug/l	2.63	0.621	1
4-Chlorophenyl-phenylether	ND		ug/l	0.526	0.083	1
Diethylphthalate	ND		ug/l	0.526	0.189	1
4-Nitroaniline	ND		ug/l	0.526	0.118	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.10	0.537	1
Azobenzene	ND		ug/l	0.526	0.135	1
n-Nitrosodiphenylamine	ND		ug/l	0.526	0.076	1
4-Bromophenyl-phenylether	ND		ug/l	0.526	0.105	1
Hexachlorobenzene	ND		ug/l	0.526	0.128	1
Atrazine	ND		ug/l	0.526	0.168	1
Pentachlorophenol	ND		ug/l	2.10	0.453	1
Pentachloronitrobenzene	ND		ug/l	0.526	0.178	1
Carbazole	ND		ug/l	0.526	0.150	1
Di-n-butylphthalate	ND		ug/l	0.526	0.105	1
Benzidine	ND		ug/l	105	0.488	1
Butylbenzylphthalate	ND		ug/l	0.526	0.089	1
3,3'-Dichlorobenzidine	ND		ug/l	0.526	0.203	1
bis(2-Ethylhexyl)phthalate	ND		ug/l	0.526	0.085	1
Di-n-octylphthalate	ND		ug/l	1.05	0.083	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-03 Date Collected: 03/16/16 10:05

Client ID: SW1C 20160316 Date Received: 03/17/16

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		15-115
Phenol-d5	25		15-115
Nitrobenzene-d5	86		30-130
2-Fluorobiphenyl	81		30-130
2,4,6-Tribromophenol	94		15-115
Terphenyl-d14	97		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-03
Client ID: SW1C 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/25/16 15:49
Analyst: SF

Date Collected: 03/16/16 10:05
Date Received: 03/17/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/23/16 15:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	7.44	J	ng/l	10.1	1.79	1
2-Methylnaphthalene	1.90	J	ng/l	10.1	1.07	1
Acenaphthylene	ND		ng/l	10.1	1.79	1
Acenaphthene	ND		ng/l	10.1	1.63	1
Fluorene	ND		ng/l	10.1	1.75	1
Phenanthrene	2.62	J	ng/l	10.1	1.91	1
Anthracene	ND		ng/l	10.1	1.96	1
Fluoranthene	1.61	J	ng/l	10.1	1.50	1
Pyrene	ND		ng/l	10.1	1.54	1
Benz(a)anthracene	ND		ng/l	10.1	1.75	1
Chrysene	ND		ng/l	10.1	0.945	1
Benzo(b)fluoranthene	ND		ng/l	10.1	1.49	1
Benzo(k)fluoranthene	ND		ng/l	10.1	1.18	1
Benzo(a)pyrene	ND		ng/l	10.1	0.848	1
Indeno(1,2,3-cd)pyrene	7.02	J	ng/l	10.1	0.538	1
Dibenz(a,h)anthracene	5.09	J	ng/l	10.1	0.692	1
Benzo(g,h,i)perylene	ND		ng/l	10.1	1.32	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	60		30-130
Pyrene-d10	73		30-130
Benzo(b)fluoranthene-d12	79		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-04
Client ID: SW2A 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/28/16 16:28
Analyst: ML

Date Collected: 03/16/16 10:50
Date Received: 03/17/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/23/16 11:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.515	0.074	1
Pyridine	ND		ug/l	0.515	0.168	1
Benzaldehyde	ND		ug/l	2.06	0.123	1
Aniline	ND		ug/l	1.03	0.131	1
bis(2-Chloroethyl)ether	ND		ug/l	0.515	0.096	1
Phenol	ND		ug/l	0.515	0.053	1
2-Chlorophenol	ND		ug/l	0.515	0.094	1
1,3-Dichlorobenzene	ND		ug/l	0.515	0.081	1
1,4-Dichlorobenzene	ND		ug/l	0.515	0.085	1
1,2-Dichlorobenzene	ND		ug/l	0.515	0.070	1
Benzyl alcohol	ND		ug/l	0.515	0.127	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.515	0.111	1
2-Methylphenol	ND		ug/l	0.515	0.107	1
Acetophenone	ND		ug/l	1.03	0.213	1
Hexachloroethane	ND		ug/l	0.515	0.105	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.515	0.127	1
4-Methylphenol	ND		ug/l	0.515	0.116	1
Nitrobenzene	ND		ug/l	0.515	0.105	1
Isophorone	ND		ug/l	0.515	0.130	1
2-Nitrophenol	ND		ug/l	0.515	0.118	1
2,4-Dimethylphenol	ND		ug/l	2.06	0.248	1
Benzoic acid	ND		ug/l	41.2	3.10	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.515	0.088	1
2,4-Dichlorophenol	ND		ug/l	0.515	0.103	1
1,2,4-Trichlorobenzene	ND		ug/l	0.515	0.099	1
4-Chloroaniline	ND		ug/l	0.515	0.132	1
Hexachlorobutadiene	ND		ug/l	0.515	0.088	1
Caprolactam	ND		ug/l	2.06	0.127	1
4-Chloro-3-methylphenol	ND		ug/l	0.515	0.106	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.515	0.082	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-04 Date Collected: 03/16/16 10:50

Client ID: SW2A 20160316 Date Received: 03/17/16

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.515	0.158	1
2,4,6-Trichlorophenol	ND		ug/l	0.515	0.157	1
2,4,5-Trichlorophenol	ND		ug/l	0.515	0.094	1
Biphenyl	ND		ug/l	0.515	0.114	1
2-Chloronaphthalene	ND		ug/l	0.515	0.093	1
2-Nitroaniline	ND		ug/l	0.515	0.142	1
Dimethylphthalate	ND		ug/l	0.515	0.121	1
2,6-Dinitrotoluene	ND		ug/l	0.515	0.173	1
3-Nitroaniline	ND		ug/l	0.515	0.114	1
2,4-Dinitrophenol	ND		ug/l	5.15	0.750	1
Dibenzofuran	ND		ug/l	0.515	0.094	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.515	0.147	1
2,4-Dinitrotoluene	ND		ug/l	0.515	0.168	1
4-Nitrophenol	ND		ug/l	2.58	0.608	1
4-Chlorophenyl-phenylether	ND		ug/l	0.515	0.082	1
Diethylphthalate	ND		ug/l	0.515	0.186	1
4-Nitroaniline	ND		ug/l	0.515	0.115	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.06	0.526	1
Azobenzene	ND		ug/l	0.515	0.132	1
n-Nitrosodiphenylamine	ND		ug/l	0.515	0.074	1
4-Bromophenyl-phenylether	ND		ug/l	0.515	0.103	1
Hexachlorobenzene	ND		ug/l	0.515	0.126	1
Atrazine	ND		ug/l	0.515	0.165	1
Pentachlorophenol	ND		ug/l	2.06	0.443	1
Pentachloronitrobenzene	ND		ug/l	0.515	0.174	1
Carbazole	ND		ug/l	0.515	0.147	1
Di-n-butylphthalate	ND		ug/l	0.515	0.103	1
Benzidine	ND		ug/l	103	0.478	1
Butylbenzylphthalate	ND		ug/l	0.515	0.087	1
3,3'-Dichlorobenzidine	ND		ug/l	0.515	0.199	1
bis(2-Ethylhexyl)phthalate	0.236	J	ug/l	0.515	0.083	1
Di-n-octylphthalate	ND		ug/l	1.03	0.081	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-04 Date Collected: 03/16/16 10:50

Client ID: SW2A 20160316 Date Received: 03/17/16

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		15-115
Phenol-d5	26		15-115
Nitrobenzene-d5	75		30-130
2-Fluorobiphenyl	80		30-130
2,4,6-Tribromophenol	106		15-115
Terphenyl-d14	97		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-04
Client ID: SW2A 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/25/16 16:19
Analyst: SF

Date Collected: 03/16/16 10:50
Date Received: 03/17/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/23/16 15:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	6.52	J	ng/l	11.2	1.99	1
2-Methylnaphthalene	1.69	J	ng/l	11.2	1.19	1
Acenaphthylene	2.02	J	ng/l	11.2	1.99	1
Acenaphthene	ND		ng/l	11.2	1.81	1
Fluorene	ND		ng/l	11.2	1.94	1
Phenanthrene	2.55	J	ng/l	11.2	2.12	1
Anthracene	ND		ng/l	11.2	2.18	1
Fluoranthene	2.30	J	ng/l	11.2	1.67	1
Pyrene	ND		ng/l	11.2	1.71	1
Benz(a)anthracene	ND		ng/l	11.2	1.94	1
Chrysene	ND		ng/l	11.2	1.05	1
Benzo(b)fluoranthene	ND		ng/l	11.2	1.66	1
Benzo(k)fluoranthene	ND		ng/l	11.2	1.31	1
Benzo(a)pyrene	ND		ng/l	11.2	0.944	1
Indeno(1,2,3-cd)pyrene	7.97	J	ng/l	11.2	0.599	1
Dibenz(a,h)anthracene	5.86	J	ng/l	11.2	0.770	1
Benzo(g,h,i)perylene	ND		ng/l	11.2	1.47	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	68		30-130
Pyrene-d10	76		30-130
Benzo(b)fluoranthene-d12	83		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-05
Client ID: SW2C 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/28/16 16:58
Analyst: ML

Date Collected: 03/16/16 10:35
Date Received: 03/17/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/23/16 11:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.521	0.075	1
Pyridine	ND		ug/l	0.521	0.170	1
Benzaldehyde	ND		ug/l	2.08	0.124	1
Aniline	ND		ug/l	1.04	0.132	1
bis(2-Chloroethyl)ether	ND		ug/l	0.521	0.097	1
Phenol	ND		ug/l	0.521	0.053	1
2-Chlorophenol	ND		ug/l	0.521	0.095	1
1,3-Dichlorobenzene	ND		ug/l	0.521	0.082	1
1,4-Dichlorobenzene	ND		ug/l	0.521	0.086	1
1,2-Dichlorobenzene	ND		ug/l	0.521	0.071	1
Benzyl alcohol	ND		ug/l	0.521	0.128	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.521	0.112	1
2-Methylphenol	ND		ug/l	0.521	0.108	1
Acetophenone	ND		ug/l	1.04	0.216	1
Hexachloroethane	ND		ug/l	0.521	0.106	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.521	0.128	1
4-Methylphenol	ND		ug/l	0.521	0.118	1
Nitrobenzene	ND		ug/l	0.521	0.106	1
Isophorone	ND		ug/l	0.521	0.131	1
2-Nitrophenol	ND		ug/l	0.521	0.120	1
2,4-Dimethylphenol	ND		ug/l	2.08	0.251	1
Benzoic acid	ND		ug/l	41.7	3.14	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.521	0.089	1
2,4-Dichlorophenol	ND		ug/l	0.521	0.104	1
1,2,4-Trichlorobenzene	ND		ug/l	0.521	0.100	1
4-Chloroaniline	ND		ug/l	0.521	0.133	1
Hexachlorobutadiene	ND		ug/l	0.521	0.089	1
Caprolactam	ND		ug/l	2.08	0.128	1
4-Chloro-3-methylphenol	ND		ug/l	0.521	0.107	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.521	0.083	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-05 Date Collected: 03/16/16 10:35

Client ID: SW2C 20160316 Date Received: 03/17/16

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.521	0.159	1
2,4,6-Trichlorophenol	ND		ug/l	0.521	0.158	1
2,4,5-Trichlorophenol	ND		ug/l	0.521	0.095	1
Biphenyl	ND		ug/l	0.521	0.116	1
2-Chloronaphthalene	ND		ug/l	0.521	0.094	1
2-Nitroaniline	ND		ug/l	0.521	0.144	1
Dimethylphthalate	ND		ug/l	0.521	0.122	1
2,6-Dinitrotoluene	ND		ug/l	0.521	0.175	1
3-Nitroaniline	ND		ug/l	0.521	0.116	1
2,4-Dinitrophenol	ND		ug/l	5.21	0.758	1
Dibenzofuran	ND		ug/l	0.521	0.095	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.521	0.149	1
2,4-Dinitrotoluene	ND		ug/l	0.521	0.170	1
4-Nitrophenol	ND		ug/l	2.60	0.614	1
4-Chlorophenyl-phenylether	ND		ug/l	0.521	0.083	1
Diethylphthalate	ND		ug/l	0.521	0.188	1
4-Nitroaniline	ND		ug/l	0.521	0.117	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.08	0.531	1
Azobenzene	ND		ug/l	0.521	0.133	1
n-Nitrosodiphenylamine	ND		ug/l	0.521	0.075	1
4-Bromophenyl-phenylether	ND		ug/l	0.521	0.104	1
Hexachlorobenzene	ND		ug/l	0.521	0.127	1
Atrazine	ND		ug/l	0.521	0.167	1
Pentachlorophenol	ND		ug/l	2.08	0.448	1
Pentachloronitrobenzene	ND		ug/l	0.521	0.176	1
Carbazole	ND		ug/l	0.521	0.149	1
Di-n-butylphthalate	ND		ug/l	0.521	0.104	1
Benzidine	ND		ug/l	104	0.483	1
Butylbenzylphthalate	ND		ug/l	0.521	0.088	1
3,3'-Dichlorobenzidine	ND		ug/l	0.521	0.201	1
bis(2-Ethylhexyl)phthalate	ND		ug/l	0.521	0.084	1
Di-n-octylphthalate	ND		ug/l	1.04	0.082	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-05 Date Collected: 03/16/16 10:35

Client ID: SW2C 20160316 Date Received: 03/17/16

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		15-115
Phenol-d5	30		15-115
Nitrobenzene-d5	78		30-130
2-Fluorobiphenyl	80		30-130
2,4,6-Tribromophenol	112		15-115
Terphenyl-d14	96		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-05
Client ID: SW2C 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/25/16 16:49
Analyst: SF

Date Collected: 03/16/16 10:35
Date Received: 03/17/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/23/16 15:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	6.86	J	ng/l	10.3	1.82	1
2-Methylnaphthalene	1.63	J	ng/l	10.3	1.09	1
Acenaphthylene	ND		ng/l	10.3	1.82	1
Acenaphthene	ND		ng/l	10.3	1.66	1
Fluorene	ND		ng/l	10.3	1.78	1
Phenanthrene	2.05	J	ng/l	10.3	1.95	1
Anthracene	ND		ng/l	10.3	2.00	1
Fluoranthene	1.82	J	ng/l	10.3	1.54	1
Pyrene	ND		ng/l	10.3	1.57	1
Benz(a)anthracene	ND		ng/l	10.3	1.78	1
Chrysene	ND		ng/l	10.3	0.965	1
Benzo(b)fluoranthene	ND		ng/l	10.3	1.52	1
Benzo(k)fluoranthene	ND		ng/l	10.3	1.21	1
Benzo(a)pyrene	ND		ng/l	10.3	0.866	1
Indeno(1,2,3-cd)pyrene	7.11	J	ng/l	10.3	0.549	1
Dibenz(a,h)anthracene	5.16	J	ng/l	10.3	0.706	1
Benzo(g,h,i)perylene	ND		ng/l	10.3	1.35	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	64		30-130
Pyrene-d10	72		30-130
Benzo(b)fluoranthene-d12	79		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-06
Client ID: SW2B 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/28/16 17:27
Analyst: ML

Date Collected: 03/16/16 10:45
Date Received: 03/17/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/23/16 11:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.515	0.074	1
Pyridine	ND		ug/l	0.515	0.168	1
Benzaldehyde	ND		ug/l	2.06	0.123	1
Aniline	ND		ug/l	1.03	0.131	1
bis(2-Chloroethyl)ether	ND		ug/l	0.515	0.096	1
Phenol	ND		ug/l	0.515	0.053	1
2-Chlorophenol	ND		ug/l	0.515	0.094	1
1,3-Dichlorobenzene	ND		ug/l	0.515	0.081	1
1,4-Dichlorobenzene	ND		ug/l	0.515	0.085	1
1,2-Dichlorobenzene	ND		ug/l	0.515	0.070	1
Benzyl alcohol	ND		ug/l	0.515	0.127	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.515	0.111	1
2-Methylphenol	ND		ug/l	0.515	0.107	1
Acetophenone	ND		ug/l	1.03	0.213	1
Hexachloroethane	ND		ug/l	0.515	0.105	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.515	0.127	1
4-Methylphenol	ND		ug/l	0.515	0.116	1
Nitrobenzene	ND		ug/l	0.515	0.105	1
Isophorone	ND		ug/l	0.515	0.130	1
2-Nitrophenol	ND		ug/l	0.515	0.118	1
2,4-Dimethylphenol	ND		ug/l	2.06	0.248	1
Benzoic acid	ND		ug/l	41.2	3.10	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.515	0.088	1
2,4-Dichlorophenol	ND		ug/l	0.515	0.103	1
1,2,4-Trichlorobenzene	ND		ug/l	0.515	0.099	1
4-Chloroaniline	ND		ug/l	0.515	0.132	1
Hexachlorobutadiene	ND		ug/l	0.515	0.088	1
Caprolactam	ND		ug/l	2.06	0.127	1
4-Chloro-3-methylphenol	ND		ug/l	0.515	0.106	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.515	0.082	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-06 Date Collected: 03/16/16 10:45

Client ID: SW2B 20160316 Date Received: 03/17/16

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.515	0.158	1
2,4,6-Trichlorophenol	ND		ug/l	0.515	0.157	1
2,4,5-Trichlorophenol	ND		ug/l	0.515	0.094	1
Biphenyl	ND		ug/l	0.515	0.114	1
2-Chloronaphthalene	ND		ug/l	0.515	0.093	1
2-Nitroaniline	ND		ug/l	0.515	0.142	1
Dimethylphthalate	ND		ug/l	0.515	0.121	1
2,6-Dinitrotoluene	ND		ug/l	0.515	0.173	1
3-Nitroaniline	ND		ug/l	0.515	0.114	1
2,4-Dinitrophenol	ND		ug/l	5.15	0.750	1
Dibenzofuran	ND		ug/l	0.515	0.094	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.515	0.147	1
2,4-Dinitrotoluene	ND		ug/l	0.515	0.168	1
4-Nitrophenol	ND		ug/l	2.58	0.608	1
4-Chlorophenyl-phenylether	ND		ug/l	0.515	0.082	1
Diethylphthalate	ND		ug/l	0.515	0.186	1
4-Nitroaniline	ND		ug/l	0.515	0.115	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.06	0.526	1
Azobenzene	ND		ug/l	0.515	0.132	1
n-Nitrosodiphenylamine	ND		ug/l	0.515	0.074	1
4-Bromophenyl-phenylether	ND		ug/l	0.515	0.103	1
Hexachlorobenzene	ND		ug/l	0.515	0.126	1
Atrazine	ND		ug/l	0.515	0.165	1
Pentachlorophenol	ND		ug/l	2.06	0.443	1
Pentachloronitrobenzene	ND		ug/l	0.515	0.174	1
Carbazole	ND		ug/l	0.515	0.147	1
Di-n-butylphthalate	ND		ug/l	0.515	0.103	1
Benzidine	ND		ug/l	103	0.478	1
Butylbenzylphthalate	ND		ug/l	0.515	0.087	1
3,3'-Dichlorobenzidine	ND		ug/l	0.515	0.199	1
bis(2-Ethylhexyl)phthalate	ND		ug/l	0.515	0.083	1
Di-n-octylphthalate	ND		ug/l	1.03	0.081	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-06 Date Collected: 03/16/16 10:45

Client ID: SW2B 20160316 Date Received: 03/17/16

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		15-115
Phenol-d5	26		15-115
Nitrobenzene-d5	79		30-130
2-Fluorobiphenyl	82		30-130
2,4,6-Tribromophenol	110		15-115
Terphenyl-d14	99		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-06
Client ID: SW2B 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/25/16 17:20
Analyst: SF

Date Collected: 03/16/16 10:45
Date Received: 03/17/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/23/16 15:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	7.88	J	ng/l	10.5	1.86	1
2-Methylnaphthalene	2.00	J	ng/l	10.5	1.12	1
Acenaphthylene	ND		ng/l	10.5	1.86	1
Acenaphthene	ND		ng/l	10.5	1.69	1
Fluorene	ND		ng/l	10.5	1.82	1
Phenanthrene	ND		ng/l	10.5	1.99	1
Anthracene	ND		ng/l	10.5	2.04	1
Fluoranthene	ND		ng/l	10.5	1.57	1
Pyrene	ND		ng/l	10.5	1.60	1
Benz(a)anthracene	ND		ng/l	10.5	1.82	1
Chrysene	ND		ng/l	10.5	0.985	1
Benzo(b)fluoranthene	ND		ng/l	10.5	1.56	1
Benzo(k)fluoranthene	ND		ng/l	10.5	1.23	1
Benzo(a)pyrene	ND		ng/l	10.5	0.884	1
Indeno(1,2,3-cd)pyrene	7.23	J	ng/l	10.5	0.561	1
Dibenz(a,h)anthracene	ND		ng/l	10.5	0.721	1
Benzo(g,h,i)perylene	ND		ng/l	10.5	1.38	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	69		30-130
Pyrene-d10	77		30-130
Benzo(b)fluoranthene-d12	82		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-07
Client ID: SW3A 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/28/16 17:57
Analyst: ML

Date Collected: 03/16/16 08:50
Date Received: 03/17/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/23/16 11:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.526	0.076	1
Pyridine	ND		ug/l	0.526	0.172	1
Benzaldehyde	ND		ug/l	2.10	0.125	1
Aniline	ND		ug/l	1.05	0.134	1
bis(2-Chloroethyl)ether	ND		ug/l	0.526	0.098	1
Phenol	ND		ug/l	0.526	0.054	1
2-Chlorophenol	ND		ug/l	0.526	0.096	1
1,3-Dichlorobenzene	ND		ug/l	0.526	0.082	1
1,4-Dichlorobenzene	ND		ug/l	0.526	0.087	1
1,2-Dichlorobenzene	ND		ug/l	0.526	0.072	1
Benzyl alcohol	ND		ug/l	0.526	0.129	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.526	0.114	1
2-Methylphenol	ND		ug/l	0.526	0.109	1
Acetophenone	ND		ug/l	1.05	0.218	1
Hexachloroethane	ND		ug/l	0.526	0.107	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.526	0.129	1
4-Methylphenol	ND		ug/l	0.526	0.119	1
Nitrobenzene	ND		ug/l	0.526	0.107	1
Isophorone	ND		ug/l	0.526	0.133	1
2-Nitrophenol	ND		ug/l	0.526	0.121	1
2,4-Dimethylphenol	ND		ug/l	2.10	0.254	1
Benzoic acid	ND		ug/l	42.1	3.17	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.526	0.090	1
2,4-Dichlorophenol	ND		ug/l	0.526	0.105	1
1,2,4-Trichlorobenzene	ND		ug/l	0.526	0.101	1
4-Chloroaniline	ND		ug/l	0.526	0.135	1
Hexachlorobutadiene	ND		ug/l	0.526	0.090	1
Caprolactam	ND		ug/l	2.10	0.129	1
4-Chloro-3-methylphenol	ND		ug/l	0.526	0.108	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.526	0.084	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-07 Date Collected: 03/16/16 08:50

Client ID: SW3A 20160316 Date Received: 03/17/16

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.526	0.161	1
2,4,6-Trichlorophenol	ND		ug/l	0.526	0.160	1
2,4,5-Trichlorophenol	ND		ug/l	0.526	0.096	1
Biphenyl	ND		ug/l	0.526	0.117	1
2-Chloronaphthalene	ND		ug/l	0.526	0.095	1
2-Nitroaniline	ND		ug/l	0.526	0.145	1
Dimethylphthalate	ND		ug/l	0.526	0.123	1
2,6-Dinitrotoluene	ND		ug/l	0.526	0.177	1
3-Nitroaniline	ND		ug/l	0.526	0.117	1
2,4-Dinitrophenol	ND		ug/l	5.26	0.766	1
Dibenzofuran	ND		ug/l	0.526	0.096	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.526	0.150	1
2,4-Dinitrotoluene	ND		ug/l	0.526	0.172	1
4-Nitrophenol	ND		ug/l	2.63	0.621	1
4-Chlorophenyl-phenylether	ND		ug/l	0.526	0.083	1
Diethylphthalate	ND		ug/l	0.526	0.189	1
4-Nitroaniline	ND		ug/l	0.526	0.118	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.10	0.537	1
Azobenzene	ND		ug/l	0.526	0.135	1
n-Nitrosodiphenylamine	ND		ug/l	0.526	0.076	1
4-Bromophenyl-phenylether	ND		ug/l	0.526	0.105	1
Hexachlorobenzene	ND		ug/l	0.526	0.128	1
Atrazine	ND		ug/l	0.526	0.168	1
Pentachlorophenol	ND		ug/l	2.10	0.453	1
Pentachloronitrobenzene	ND		ug/l	0.526	0.178	1
Carbazole	ND		ug/l	0.526	0.150	1
Di-n-butylphthalate	ND		ug/l	0.526	0.105	1
Benzidine	ND		ug/l	105	0.488	1
Butylbenzylphthalate	ND		ug/l	0.526	0.089	1
3,3'-Dichlorobenzidine	ND		ug/l	0.526	0.203	1
bis(2-Ethylhexyl)phthalate	0.470	J	ug/l	0.526	0.085	1
Di-n-octylphthalate	ND		ug/l	1.05	0.083	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-07 Date Collected: 03/16/16 08:50

Client ID: SW3A 20160316 Date Received: 03/17/16

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		15-115
Phenol-d5	28		15-115
Nitrobenzene-d5	78		30-130
2-Fluorobiphenyl	82		30-130
2,4,6-Tribromophenol	105		15-115
Terphenyl-d14	95		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-07
Client ID: SW3A 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/25/16 17:49
Analyst: SF

Date Collected: 03/16/16 08:50
Date Received: 03/17/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/23/16 15:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	5.42	J	ng/l	10.4	1.84	1
2-Methylnaphthalene	1.32	J	ng/l	10.4	1.10	1
Acenaphthylene	ND		ng/l	10.4	1.84	1
Acenaphthene	ND		ng/l	10.4	1.68	1
Fluorene	ND		ng/l	10.4	1.80	1
Phenanthrene	2.16	J	ng/l	10.4	1.97	1
Anthracene	ND		ng/l	10.4	2.02	1
Fluoranthene	1.58	J	ng/l	10.4	1.55	1
Pyrene	ND		ng/l	10.4	1.58	1
Benz(a)anthracene	ND		ng/l	10.4	1.80	1
Chrysene	ND		ng/l	10.4	0.975	1
Benzo(b)fluoranthene	ND		ng/l	10.4	1.54	1
Benzo(k)fluoranthene	ND		ng/l	10.4	1.22	1
Benzo(a)pyrene	ND		ng/l	10.4	0.875	1
Indeno(1,2,3-cd)pyrene	7.49	J	ng/l	10.4	0.555	1
Dibenz(a,h)anthracene	5.33	J	ng/l	10.4	0.714	1
Benzo(g,h,i)perylene	ND		ng/l	10.4	1.36	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	66		30-130
Pyrene-d10	74		30-130
Benzo(b)fluoranthene-d12	81		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-08
Client ID: SW3B 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/28/16 18:26
Analyst: ML

Date Collected: 03/16/16 08:40
Date Received: 03/17/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/23/16 11:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.515	0.074	1
Pyridine	ND		ug/l	0.515	0.168	1
Benzaldehyde	ND		ug/l	2.06	0.123	1
Aniline	ND		ug/l	1.03	0.131	1
bis(2-Chloroethyl)ether	ND		ug/l	0.515	0.096	1
Phenol	ND		ug/l	0.515	0.053	1
2-Chlorophenol	ND		ug/l	0.515	0.094	1
1,3-Dichlorobenzene	ND		ug/l	0.515	0.081	1
1,4-Dichlorobenzene	ND		ug/l	0.515	0.085	1
1,2-Dichlorobenzene	ND		ug/l	0.515	0.070	1
Benzyl alcohol	ND		ug/l	0.515	0.127	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.515	0.111	1
2-Methylphenol	ND		ug/l	0.515	0.107	1
Acetophenone	ND		ug/l	1.03	0.213	1
Hexachloroethane	ND		ug/l	0.515	0.105	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.515	0.127	1
4-Methylphenol	ND		ug/l	0.515	0.116	1
Nitrobenzene	ND		ug/l	0.515	0.105	1
Isophorone	ND		ug/l	0.515	0.130	1
2-Nitrophenol	ND		ug/l	0.515	0.118	1
2,4-Dimethylphenol	ND		ug/l	2.06	0.248	1
Benzoic acid	ND		ug/l	41.2	3.10	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.515	0.088	1
2,4-Dichlorophenol	ND		ug/l	0.515	0.103	1
1,2,4-Trichlorobenzene	ND		ug/l	0.515	0.099	1
4-Chloroaniline	ND		ug/l	0.515	0.132	1
Hexachlorobutadiene	ND		ug/l	0.515	0.088	1
Caprolactam	ND		ug/l	2.06	0.127	1
4-Chloro-3-methylphenol	ND		ug/l	0.515	0.106	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.515	0.082	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-08 Date Collected: 03/16/16 08:40

Client ID: SW3B 20160316 Date Received: 03/17/16

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.515	0.158	1
2,4,6-Trichlorophenol	ND		ug/l	0.515	0.157	1
2,4,5-Trichlorophenol	ND		ug/l	0.515	0.094	1
Biphenyl	ND		ug/l	0.515	0.114	1
2-Chloronaphthalene	ND		ug/l	0.515	0.093	1
2-Nitroaniline	ND		ug/l	0.515	0.142	1
Dimethylphthalate	ND		ug/l	0.515	0.121	1
2,6-Dinitrotoluene	ND		ug/l	0.515	0.173	1
3-Nitroaniline	ND		ug/l	0.515	0.114	1
2,4-Dinitrophenol	ND		ug/l	5.15	0.750	1
Dibenzofuran	ND		ug/l	0.515	0.094	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.515	0.147	1
2,4-Dinitrotoluene	ND		ug/l	0.515	0.168	1
4-Nitrophenol	ND		ug/l	2.58	0.608	1
4-Chlorophenyl-phenylether	ND		ug/l	0.515	0.082	1
Diethylphthalate	ND		ug/l	0.515	0.186	1
4-Nitroaniline	ND		ug/l	0.515	0.115	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.06	0.526	1
Azobenzene	ND		ug/l	0.515	0.132	1
n-Nitrosodiphenylamine	ND		ug/l	0.515	0.074	1
4-Bromophenyl-phenylether	ND		ug/l	0.515	0.103	1
Hexachlorobenzene	ND		ug/l	0.515	0.126	1
Atrazine	ND		ug/l	0.515	0.165	1
Pentachlorophenol	ND		ug/l	2.06	0.443	1
Pentachloronitrobenzene	ND		ug/l	0.515	0.174	1
Carbazole	ND		ug/l	0.515	0.147	1
Di-n-butylphthalate	ND		ug/l	0.515	0.103	1
Benzidine	ND		ug/l	103	0.478	1
Butylbenzylphthalate	ND		ug/l	0.515	0.087	1
3,3'-Dichlorobenzidine	ND		ug/l	0.515	0.199	1
bis(2-Ethylhexyl)phthalate	ND		ug/l	0.515	0.083	1
Di-n-octylphthalate	ND		ug/l	1.03	0.081	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-08 Date Collected: 03/16/16 08:40

Client ID: SW3B 20160316 Date Received: 03/17/16

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		15-115
Phenol-d5	26		15-115
Nitrobenzene-d5	78		30-130
2-Fluorobiphenyl	84		30-130
2,4,6-Tribromophenol	102		15-115
Terphenyl-d14	101		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-08
Client ID: SW3B 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/25/16 18:20
Analyst: SF

Date Collected: 03/16/16 08:40
Date Received: 03/17/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/23/16 15:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	5.40	J	ng/l	11.0	1.94	1
2-Methylnaphthalene	1.34	J	ng/l	11.0	1.16	1
Acenaphthylene	ND		ng/l	11.0	1.94	1
Acenaphthene	ND		ng/l	11.0	1.77	1
Fluorene	ND		ng/l	11.0	1.90	1
Phenanthrene	ND		ng/l	11.0	2.08	1
Anthracene	ND		ng/l	11.0	2.13	1
Fluoranthene	ND		ng/l	11.0	1.64	1
Pyrene	ND		ng/l	11.0	1.67	1
Benz(a)anthracene	ND		ng/l	11.0	1.90	1
Chrysene	ND		ng/l	11.0	1.03	1
Benzo(b)fluoranthene	ND		ng/l	11.0	1.63	1
Benzo(k)fluoranthene	ND		ng/l	11.0	1.28	1
Benzo(a)pyrene	ND		ng/l	11.0	0.923	1
Indeno(1,2,3-cd)pyrene	7.62	J	ng/l	11.0	0.586	1
Dibenz(a,h)anthracene	5.55	J	ng/l	11.0	0.753	1
Benzo(g,h,i)perylene	ND		ng/l	11.0	1.44	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	67		30-130
Pyrene-d10	75		30-130
Benzo(b)fluoranthene-d12	82		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-09
Client ID: SW3C 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/29/16 17:07
Analyst: ML

Date Collected: 03/16/16 08:35
Date Received: 03/17/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/23/16 11:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.515	0.074	1
Pyridine	ND		ug/l	0.515	0.168	1
Benzaldehyde	ND		ug/l	2.06	0.123	1
Aniline	ND		ug/l	1.03	0.131	1
bis(2-Chloroethyl)ether	ND		ug/l	0.515	0.096	1
Phenol	ND		ug/l	0.515	0.053	1
2-Chlorophenol	ND		ug/l	0.515	0.094	1
1,3-Dichlorobenzene	ND		ug/l	0.515	0.081	1
1,4-Dichlorobenzene	ND		ug/l	0.515	0.085	1
1,2-Dichlorobenzene	ND		ug/l	0.515	0.070	1
Benzyl alcohol	ND		ug/l	0.515	0.127	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.515	0.111	1
2-Methylphenol	ND		ug/l	0.515	0.107	1
Acetophenone	ND		ug/l	1.03	0.213	1
Hexachloroethane	ND		ug/l	0.515	0.105	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.515	0.127	1
4-Methylphenol	ND		ug/l	0.515	0.116	1
Nitrobenzene	ND		ug/l	0.515	0.105	1
Isophorone	ND		ug/l	0.515	0.130	1
2-Nitrophenol	ND		ug/l	0.515	0.118	1
2,4-Dimethylphenol	ND		ug/l	2.06	0.248	1
Benzoic acid	ND		ug/l	41.2	3.10	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.515	0.088	1
2,4-Dichlorophenol	ND		ug/l	0.515	0.103	1
1,2,4-Trichlorobenzene	ND		ug/l	0.515	0.099	1
4-Chloroaniline	ND		ug/l	0.515	0.132	1
Hexachlorobutadiene	ND		ug/l	0.515	0.088	1
Caprolactam	ND		ug/l	2.06	0.127	1
4-Chloro-3-methylphenol	ND		ug/l	0.515	0.106	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.515	0.082	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-09 Date Collected: 03/16/16 08:35

Client ID: SW3C 20160316 Date Received: 03/17/16

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.515	0.158	1
2,4,6-Trichlorophenol	ND		ug/l	0.515	0.157	1
2,4,5-Trichlorophenol	ND		ug/l	0.515	0.094	1
Biphenyl	ND		ug/l	0.515	0.114	1
2-Chloronaphthalene	ND		ug/l	0.515	0.093	1
2-Nitroaniline	ND		ug/l	0.515	0.142	1
Dimethylphthalate	ND		ug/l	0.515	0.121	1
2,6-Dinitrotoluene	ND		ug/l	0.515	0.173	1
3-Nitroaniline	ND		ug/l	0.515	0.114	1
2,4-Dinitrophenol	ND		ug/l	5.15	0.750	1
Dibenzofuran	ND		ug/l	0.515	0.094	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.515	0.147	1
2,4-Dinitrotoluene	ND		ug/l	0.515	0.168	1
4-Nitrophenol	ND		ug/l	2.58	0.608	1
4-Chlorophenyl-phenylether	ND		ug/l	0.515	0.082	1
Diethylphthalate	ND		ug/l	0.515	0.186	1
4-Nitroaniline	ND		ug/l	0.515	0.115	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.06	0.526	1
Azobenzene	ND		ug/l	0.515	0.132	1
n-Nitrosodiphenylamine	ND		ug/l	0.515	0.074	1
4-Bromophenyl-phenylether	ND		ug/l	0.515	0.103	1
Hexachlorobenzene	ND		ug/l	0.515	0.126	1
Atrazine	ND		ug/l	0.515	0.165	1
Pentachlorophenol	ND		ug/l	2.06	0.443	1
Pentachloronitrobenzene	ND		ug/l	0.515	0.174	1
Carbazole	ND		ug/l	0.515	0.147	1
Di-n-butylphthalate	ND		ug/l	0.515	0.103	1
Benzidine	ND		ug/l	103	0.478	1
Butylbenzylphthalate	ND		ug/l	0.515	0.087	1
3,3'-Dichlorobenzidine	ND		ug/l	0.515	0.199	1
bis(2-Ethylhexyl)phthalate	ND		ug/l	0.515	0.083	1
Di-n-octylphthalate	ND		ug/l	1.03	0.081	1

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-09 Date Collected: 03/16/16 08:35

Client ID: SW3C 20160316 Date Received: 03/17/16

Sample Location: GLEN FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		15-115
Phenol-d5	26		15-115
Nitrobenzene-d5	79		30-130
2-Fluorobiphenyl	80		30-130
2,4,6-Tribromophenol	104		15-115
Terphenyl-d14	96		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-09
Client ID: SW3C 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/25/16 18:51
Analyst: SF

Date Collected: 03/16/16 08:35
Date Received: 03/17/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/23/16 15:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	5.16	J	ng/l	10.8	1.90	1
2-Methylnaphthalene	1.14	J	ng/l	10.8	1.14	1
Acenaphthylene	ND		ng/l	10.8	1.90	1
Acenaphthene	ND		ng/l	10.8	1.73	1
Fluorene	ND		ng/l	10.8	1.86	1
Phenanthrene	2.23	J	ng/l	10.8	2.03	1
Anthracene	ND		ng/l	10.8	2.09	1
Fluoranthene	1.76	J	ng/l	10.8	1.60	1
Pyrene	ND		ng/l	10.8	1.63	1
Benz(a)anthracene	ND		ng/l	10.8	1.86	1
Chrysene	ND		ng/l	10.8	1.01	1
Benzo(b)fluoranthene	ND		ng/l	10.8	1.59	1
Benzo(k)fluoranthene	ND		ng/l	10.8	1.26	1
Benzo(a)pyrene	ND		ng/l	10.8	0.903	1
Indeno(1,2,3-cd)pyrene	7.43	J	ng/l	10.8	0.573	1
Dibenz(a,h)anthracene	5.49	J	ng/l	10.8	0.736	1
Benzo(g,h,i)perylene	ND		ng/l	10.8	1.41	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	64		30-130
Pyrene-d10	75		30-130
Benzo(b)fluoranthene-d12	79		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/26/16 14:18
Analyst: ML

Extraction Method: EPA 3510C
Extraction Date: 03/23/16 11:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Mansfield Lab for sample(s): 01-09 Batch: WG876532-1					
N-Nitrosodimethylamine	ND		ug/l	0.500	0.072
Pyridine	ND		ug/l	0.500	0.163
Benzaldehyde	ND		ug/l	2.00	0.119
Aniline	ND		ug/l	1.00	0.127
bis(2-Chloroethyl)ether	ND		ug/l	0.500	0.093
Phenol	ND		ug/l	0.500	0.051
2-Chlorophenol	ND		ug/l	0.500	0.091
1,3-Dichlorobenzene	ND		ug/l	0.500	0.078
1,4-Dichlorobenzene	ND		ug/l	0.500	0.083
1,2-Dichlorobenzene	ND		ug/l	0.500	0.068
Benzyl alcohol	ND		ug/l	0.500	0.123
bis(2-chloroisopropyl)ether	ND		ug/l	0.500	0.108
2-Methylphenol	ND		ug/l	0.500	0.104
Acetophenone	ND		ug/l	1.00	0.207
Hexachloroethane	ND		ug/l	0.500	0.102
N-Nitroso-di-n-propylamine	ND		ug/l	0.500	0.123
4-Methylphenol	ND		ug/l	0.500	0.113
Nitrobenzene	ND		ug/l	0.500	0.102
Isophorone	ND		ug/l	0.500	0.126
2-Nitrophenol	ND		ug/l	0.500	0.115
2,4-Dimethylphenol	ND		ug/l	2.00	0.241
Benzoic acid	ND		ug/l	40.0	3.01
bis(2-Chloroethoxy)methane	ND		ug/l	0.500	0.085
2,4-Dichlorophenol	ND		ug/l	0.500	0.100
1,2,4-Trichlorobenzene	ND		ug/l	0.500	0.096
4-Chloroaniline	ND		ug/l	0.500	0.128
Hexachlorobutadiene	ND		ug/l	0.500	0.086
Caprolactam	ND		ug/l	2.00	0.123
4-Chloro-3-methylphenol	ND		ug/l	0.500	0.103

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/26/16 14:18
Analyst: ML

Extraction Method: EPA 3510C
Extraction Date: 03/23/16 11:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Mansfield Lab for sample(s): 01-09 Batch: WG876532-1					
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.500	0.080
Hexachlorocyclopentadiene	ND		ug/l	0.500	0.153
2,4,6-Trichlorophenol	ND		ug/l	0.500	0.152
2,4,5-Trichlorophenol	ND		ug/l	0.500	0.091
Biphenyl	ND		ug/l	0.500	0.111
2-Chloronaphthalene	ND		ug/l	0.500	0.090
2-Nitroaniline	ND		ug/l	0.500	0.138
Dimethylphthalate	ND		ug/l	0.500	0.117
2,6-Dinitrotoluene	ND		ug/l	0.500	0.168
3-Nitroaniline	ND		ug/l	0.500	0.111
2,4-Dinitrophenol	ND		ug/l	5.00	0.728
Dibenzofuran	ND		ug/l	0.500	0.091
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.500	0.143
2,4-Dinitrotoluene	ND		ug/l	0.500	0.163
4-Nitrophenol	ND		ug/l	2.50	0.590
4-Chlorophenyl-phenylether	ND		ug/l	0.500	0.079
Diethylphthalate	ND		ug/l	0.500	0.180
4-Nitroaniline	ND		ug/l	0.500	0.112
4,6-Dinitro-2-methylphenol	ND		ug/l	2.00	0.510
Azobenzene	ND		ug/l	0.500	0.128
n-Nitrosodiphenylamine	ND		ug/l	0.500	0.072
4-Bromophenyl-phenylether	ND		ug/l	0.500	0.100
Hexachlorobenzene	ND		ug/l	0.500	0.122
Atrazine	ND		ug/l	0.500	0.160
Pentachlorophenol	ND		ug/l	2.00	0.430
Pentachloronitrobenzene	ND		ug/l	0.500	0.169
Carbazole	ND		ug/l	0.500	0.143
Di-n-butylphthalate	ND		ug/l	0.500	0.100
Benzidine	ND		ug/l	100	0.464

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/26/16 14:18
Analyst: ML

Extraction Method: EPA 3510C
Extraction Date: 03/23/16 11:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Mansfield Lab for sample(s): 01-09 Batch: WG876532-1					
Butylbenzylphthalate	ND		ug/l	0.500	0.085
3,3'-Dichlorobenzidine	ND		ug/l	0.500	0.193
bis(2-Ethylhexyl)phthalate	ND		ug/l	0.500	0.081
Di-n-octylphthalate	ND		ug/l	1.00	0.079

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		15-115
Phenol-d5	36		15-115
Nitrobenzene-d5	96		30-130
2-Fluorobiphenyl	94		30-130
2,4,6-Tribromophenol	100		15-115
Terphenyl-d14	112		30-130

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 03/25/16 13:17
Analyst: SF

Extraction Method: EPA 3510C
Extraction Date: 03/23/16 15:52

Parameter	Result	Qualifier	Units	RL	MDL
PAHs by GC/MS-SIM - Mansfield Lab for sample(s): 01-09 Batch: WG876674-1					
Naphthalene	ND		ng/l	10.0	1.77
2-Methylnaphthalene	ND		ng/l	10.0	1.06
Acenaphthylene	ND		ng/l	10.0	1.77
Acenaphthene	ND		ng/l	10.0	1.61
Fluorene	ND		ng/l	10.0	1.73
Phenanthrene	ND		ng/l	10.0	1.89
Anthracene	ND		ng/l	10.0	1.94
Fluoranthene	ND		ng/l	10.0	1.49
Pyrene	ND		ng/l	10.0	1.52
Benz(a)anthracene	ND		ng/l	10.0	1.73
Chrysene	ND		ng/l	10.0	0.936
Benzo(b)fluoranthene	ND		ng/l	10.0	1.48
Benzo(k)fluoranthene	ND		ng/l	10.0	1.17
Benzo(a)pyrene	ND		ng/l	10.0	0.840
Indeno(1,2,3-cd)pyrene	6.77	J	ng/l	10.0	0.533
Dibenz(a,h)anthracene	5.08	J	ng/l	10.0	0.685
Benzo(g,h,i)perylene	ND		ng/l	10.0	1.31

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	67		30-130
Pyrene-d10	74		30-130
Benzo(b)fluoranthene-d12	83		30-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2

Project Number: E50593-01.01

Lab Number: L1607846

Report Date: 04/08/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-09 Batch: WG876532-2 WG876532-3								
n-Nitrosodimethylamine	56		55		40-140	2		20
Pyridine	46		47		40-140	2		20
Benzaldehyde	84		86		40-140	2		20
Aniline	74		72		40-140	3		20
Bis(2-chloroethyl)ether	88		88		40-140	0		20
Phenol	41		39		30-130	5		20
2-Chlorophenol	83		84		30-130	1		20
1,3-Dichlorobenzene	82		81		40-140	1		20
1,4-Dichlorobenzene	82		82		40-140	0		20
1,2-Dichlorobenzene	83		84		40-140	1		20
Bis(2-chloroisopropyl)ether	85		86		40-140	1		20
2-Methylphenol	77		77		30-130	0		20
Acetophenone	92		91		40-140	1		20
Hexachloroethane	81		79		40-140	3		20
N-Nitroso-di-n-propylamine	89		88		40-140	1		20
4-Methylphenol	76		74		30-130	3		20
Nitrobenzene	94		95		40-140	1		20
Isophorone	96		96		40-140	0		20
2-Nitrophenol	94		98		40-140	4		20
2,4-Dimethylphenol	89		87		40-140	2		20
Benzoic Acid	**27**	Q	**14**	Q	40-140	**63**	Q	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-09 Batch: WG876532-2 WG876532-3								
Bis(2-chloroethoxy)methane	94		93		40-140	1		20
2,4-Dichlorophenol	96		95		30-130	1		20
1,2,4-Trichlorobenzene	86		86		40-140	0		20
Naphthalene	88		89		40-140	1		20
4-Chloroaniline	86		85		40-140	1		20
Hexachlorobutadiene	85		83		40-140	2		20
Caprolactam	**28**	Q	**27**	Q	40-140	4		20
P-Chloro-M-Cresol	98		98		30-130	0		20
2-Methylnaphthalene	93		94		40-140	1		20
1,2,4,5-Tetrachlorobenzene	100		100		40-140	0		20
Hexachlorocyclopentadiene	86		85		40-140	1		20
2,4,6-Trichlorophenol	98		97		30-130	1		20
2,4,5-Trichlorophenol	102		102		30-130	0		20
Biphenyl	91		93		40-140	2		20
2-Chloronaphthalene	91		91		40-140	0		20
2-Nitroaniline	108		113		40-140	5		20
Acenaphthylene	93		95		40-140	2		20
Dimethylphthalate	97		99		40-140	2		20
2,6-Dinitrotoluene	99		101		40-140	2		20
Acenaphthene	94		95		40-140	1		20
3-Nitroaniline	93		92		40-140	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-09 Batch: WG876532-2 WG876532-3								
2,4-Dinitrophenol	99		97		30-130	2		20
Dibenzofuran	96		98		40-140	2		20
2,3,4,6-Tetrachlorophenol	114		114		30-130	0		20
2,4-Dinitrotoluene	101		100		40-140	1		20
4-Nitrophenol	46		46		30-130	0		20
Fluorene	98		100		40-140	2		20
4-Chlorophenyl phenyl ether	99		100		40-140	1		20
Diethylphthalate	100		100		40-140	0		20
4-Nitroaniline	99		98		40-140	1		20
4,6-Dinitro-2-Methylphenol	104		104		30-130	0		20
Azobenzene	96		98		40-140	2		20
NitrosoDiPhenylAmine(NDPA)/DPA	100		101		40-140	1		20
4-Bromophenyl phenyl ether	96		96		40-140	0		20
Hexachlorobenzene	95		97		40-140	2		20
Atrazine	103		101		40-140	2		20
Pentachlorophenol	92		90		30-130	2		20
Phenanthrene	98		99		40-140	1		20
Anthracene	97		99		40-140	2		20
Carbazole	102		102		40-140	0		20
Di-n-butylphthalate	105		104		40-140	1		20
Fluoranthene	100		99		40-140	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-09 Batch: WG876532-2 WG876532-3								
Benzidine	**23**	Q	**25**	Q	40-140	8		20
Pyrene	98		98		40-140	0		20
Butylbenzylphthalate	102		102		40-140	0		20
3,3'-Dichlorobenzidine	89		89		40-140	0		20
Benz(a)anthracene	94		93		40-140	1		20
Chrysene	95		97		40-140	2		20
Bis(2-Ethylhexyl)phthalate	102		101		40-140	1		20
Di-n-octylphthalate	111		110		40-140	1		20
Benzo(b)fluoranthene	102		102		40-140	0		20
Benzo(k)fluoranthene	107		109		40-140	2		20
Benzo(a)pyrene	101		102		40-140	1		20
Indeno(1,2,3-cd)Pyrene	100		99		40-140	1		20
Dibenz(a,h)anthracene	102		102		40-140	0		20
Benzo(ghi)perylene	103		104		40-140	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2

Project Number: E50593-01.01

Lab Number: L1607846

Report Date: 04/08/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-09 Batch: WG876532-2 WG876532-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	55		55		15-115
Phenol-d5	39		38		15-115
Nitrobenzene-d5	98		98		30-130
2-Fluorobiphenyl	89		91		30-130
2,4,6-Tribromophenol	114		113		15-115
Terphenyl-d14	101		101		30-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2

Project Number: E50593-01.01

Lab Number: L1607846

Report Date: 04/08/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PAHs by GC/MS-SIM - Mansfield Lab Associated sample(s): 01-09 Batch: WG876674-2 WG876674-3								
Naphthalene	76		68		40-140	11		30
2-Methylnaphthalene	77		69		40-140	11		30
Acenaphthylene	79		72		40-140	9		30
Acenaphthene	80		73		40-140	9		30
Fluorene	82		76		40-140	8		30
Phenanthrene	81		78		40-140	4		30
Anthracene	78		73		40-140	7		30
Fluoranthene	84		79		40-140	6		30
Pyrene	77		74		40-140	4		30
Benz(a)anthracene	81		80		40-140	1		30
Chrysene	79		78		40-140	1		30
Benzo(b)fluoranthene	87		86		40-140	1		30
Benzo(k)fluoranthene	93		93		40-140	0		30
Benzo(a)pyrene	80		78		40-140	3		30
Indeno(1,2,3-cd)pyrene	78		81		40-140	4		30
Dibenz(a,h)anthracene	80		79		40-140	1		30
Benzo(g,h,i)perylene	87		85		40-140	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2

Project Number: E50593-01.01

Lab Number: L1607846

Report Date: 04/08/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PAHs by GC/MS-SIM - Mansfield Lab Associated sample(s): 01-09 Batch: WG876674-2 WG876674-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Methylnaphthalene-d10	71		64		30-130
Pyrene-d10	74		72		30-130
Benzo(b)fluoranthene-d12	81		78		30-130

INORGANICS
&
MISCELLANEOUS

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-01
Client ID: SW1A 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 03/16/16 10:20
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/22/16 12:35	30,2540D	SG
Dissolved Organic Carbon	3.8		mg/l	1.0	0.12	1	03/18/16 04:15	03/30/16 08:58	121,5310C	DW

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-01 D
Client ID: SW1A 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 03/16/16 10:20
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Total Organic Carbon	4.23		mg/l	2.50	0.570	5	-	03/30/16 08:58	121,5310C	DW

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-02
Client ID: SW1B 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 03/16/16 10:15
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/22/16 12:35	30,2540D	SG
Dissolved Organic Carbon	4.1		mg/l	1.0	0.12	1	03/18/16 04:15	03/30/16 08:58	121,5310C	DW

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-02 D
Client ID: SW1B 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 03/16/16 10:15
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Total Organic Carbon	4.47		mg/l	2.50	0.570	5	-	03/30/16 08:58	121,5310C	DW

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-03
Client ID: SW1C 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 03/16/16 10:05
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/22/16 12:35	30,2540D	SG
Dissolved Organic Carbon	3.7		mg/l	1.0	0.12	1	03/18/16 04:15	03/30/16 08:58	121,5310C	DW

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-03 D
Client ID: SW1C 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 03/16/16 10:05
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Total Organic Carbon	4.31		mg/l	2.50	0.570	5	-	03/30/16 08:58	121,5310C	DW

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-04
Client ID: SW2A 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 03/16/16 10:50
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/22/16 12:35	30,2540D	SG
Dissolved Organic Carbon	3.8		mg/l	1.0	0.12	1	03/18/16 04:15	03/30/16 08:58	121,5310C	DW

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-04 D
Client ID: SW2A 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 03/16/16 10:50
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Total Organic Carbon	4.26		mg/l	2.50	0.570	5	-	03/30/16 08:58	121,5310C	DW

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-05
Client ID: SW2C 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 03/16/16 10:35
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/22/16 12:35	30,2540D	SG
Dissolved Organic Carbon	3.7		mg/l	1.0	0.12	1	03/18/16 04:15	03/30/16 08:58	121,5310C	DW

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-05 D
Client ID: SW2C 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 03/16/16 10:35
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Total Organic Carbon	4.27		mg/l	2.50	0.570	5	-	03/30/16 08:58	121,5310C	DW

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-06
Client ID: SW2B 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 03/16/16 10:45
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/22/16 12:35	30,2540D	SG
Dissolved Organic Carbon	3.7		mg/l	1.0	0.12	1	03/18/16 04:15	03/30/16 08:58	121,5310C	DW

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-06 D
Client ID: SW2B 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 03/16/16 10:45
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Total Organic Carbon	4.25		mg/l	2.50	0.570	5	-	03/30/16 08:58	121,5310C	DW

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-07
Client ID: SW3A 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 03/16/16 08:50
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/22/16 12:35	30,2540D	SG
Dissolved Organic Carbon	3.8		mg/l	1.0	0.12	1	03/18/16 04:15	03/30/16 08:58	121,5310C	DW

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-07 D
Client ID: SW3A 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 03/16/16 08:50
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Total Organic Carbon	4.22		mg/l	2.50	0.570	5	-	03/30/16 08:58	121,5310C	DW

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-08
Client ID: SW3B 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 03/16/16 08:40
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/22/16 12:35	30,2540D	SG
Dissolved Organic Carbon	4.3		mg/l	1.0	0.12	1	03/18/16 04:15	03/30/16 08:58	121,5310C	DW

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-08 D
Client ID: SW3B 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 03/16/16 08:40
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Total Organic Carbon	4.36		mg/l	2.50	0.570	5	-	03/30/16 08:58	121,5310C	DW

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-09
Client ID: SW3C 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water

Date Collected: 03/16/16 08:35
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/22/16 12:35	30,2540D	SG
Dissolved Organic Carbon	4.3		mg/l	1.0	0.12	1	03/18/16 04:15	03/30/16 08:58	121,5310C	DW

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01
Lab Number: L1607846
Report Date: 04/08/16

SAMPLE RESULTS

Lab ID: L1607846-09 D
Client ID: SW3C 20160316
Sample Location: GLEN FALLS, NY
Matrix: Water
Date Collected: 03/16/16 08:35
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Total Organic Carbon	4.15		mg/l	2.50	0.570	5	-	03/30/16 08:58	121,5310C	DW

Project Name: FORMER GLEN FALLS OU-2 **Lab Number:** L1607846

Project Number: E50593-01.01 **Report Date:** 04/08/16

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG876114-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/22/16 12:35	30,2540D	SG
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG878633-1										
Total Organic Carbon	ND		mg/l	0.500	0.114	1	-	03/30/16 08:58	121,5310C	DW
General Chemistry - Westborough Lab for sample(s): 01-09 Batch: WG878634-1										
Dissolved Organic Carbon	ND		mg/l	1.0	0.12	1	03/18/16 04:15	03/30/16 08:58	121,5310C	DW

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2

Project Number: E50593-01.01

Lab Number: L1607846

Report Date: 04/08/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG878633-2								
Total Organic Carbon	96		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG878634-2								
Dissolved Organic Carbon	96		-		90-110	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG878633-4 QC Sample: L1607846-01 Client ID: SW1A 20160316												
Total Organic Carbon	4.23	20	24.0	99		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG878634-4 QC Sample: L1607846-03 Client ID: SW1C 20160316												
Dissolved Organic Carbon	3.7	4	8.1	109		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG878633-3 QC Sample: L1607846-01 Client ID: SW1A 20160316						
Total Organic Carbon	4.23	4.18	mg/l	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG878634-3 QC Sample: L1607846-01 Client ID: SW1A 20160316						
Dissolved Organic Carbon	3.8	3.8	mg/l	0		20

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler	
A	Absent
D	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1607846-01A	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)
L1607846-01B	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)
L1607846-01C	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)
L1607846-01D	Vial H2SO4 preserved	D	N/A	5.5	Y	Absent	TOC-5310(28)
L1607846-01E	Vial H2SO4 preserved	D	N/A	5.5	Y	Absent	TOC-5310(28)
L1607846-01F	Vial unpreserved	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-01G	Vial unpreserved	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-01H	Plastic 950ml unpreserved	A	7	4.9	Y	Absent	TSS-2540(7)
L1607846-01I	Amber 1000ml unpreserved	A	7	4.9	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-01J	Amber 1000ml unpreserved	A	7	4.9	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-01K	Amber 1000ml unpreserved	A	7	4.9	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-01L	Amber 1000ml unpreserved	A	7	4.9	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-01X	Vial H2SO4 preserved split	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-01Y	Vial H2SO4 preserved split	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-02A	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)
L1607846-02B	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)
L1607846-02C	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)
L1607846-02D	Vial H2SO4 preserved	D	N/A	5.5	Y	Absent	TOC-5310(28)
L1607846-02E	Vial H2SO4 preserved	D	N/A	5.5	Y	Absent	TOC-5310(28)
L1607846-02F	Vial unpreserved	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-02G	Vial unpreserved	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-02H	Plastic 950ml unpreserved	A	7	4.9	Y	Absent	TSS-2540(7)
L1607846-02I	Amber 1000ml unpreserved	A	7	4.9	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-02J	Amber 1000ml unpreserved	A	7	4.9	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)

*Values in parentheses indicate holding time in days

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1607846-02K	Amber 1000ml unpreserved	A	7	4.9	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-02L	Amber 1000ml unpreserved	A	7	4.9	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-02X	Vial H2SO4 preserved split	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-02Y	Vial H2SO4 preserved split	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-03A	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)
L1607846-03B	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)
L1607846-03C	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)
L1607846-03D	Vial H2SO4 preserved	D	N/A	5.5	Y	Absent	TOC-5310(28)
L1607846-03E	Vial H2SO4 preserved	D	N/A	5.5	Y	Absent	TOC-5310(28)
L1607846-03F	Vial unpreserved	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-03G	Vial unpreserved	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-03H	Plastic 950ml unpreserved	A	7	4.9	Y	Absent	TSS-2540(7)
L1607846-03I	Amber 1000ml unpreserved	A	7	4.9	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-03J	Amber 1000ml unpreserved	A	7	4.9	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-03K	Amber 1000ml unpreserved	A	7	4.9	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-03L	Amber 1000ml unpreserved	A	7	4.9	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-03X	Vial H2SO4 preserved split	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-03Y	Vial H2SO4 preserved split	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-04A	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)
L1607846-04B	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)
L1607846-04C	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)
L1607846-04D	Vial H2SO4 preserved	D	N/A	5.5	Y	Absent	TOC-5310(28)
L1607846-04E	Vial H2SO4 preserved	D	N/A	5.5	Y	Absent	TOC-5310(28)
L1607846-04F	Vial unpreserved	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-04G	Vial unpreserved	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-04H	Plastic 950ml unpreserved	B	7	4.2	Y	Absent	TSS-2540(7)
L1607846-04I	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-04J	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-04K	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-04L	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-04X	Vial H2SO4 preserved split	D	N/A	5.5	Y	Absent	DOC-5310(28)

*Values in parentheses indicate holding time in days

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1607846-04Y	Vial H2SO4 preserved split	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-05A	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)
L1607846-05B	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)
L1607846-05C	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)
L1607846-05D	Vial H2SO4 preserved	D	N/A	5.5	Y	Absent	TOC-5310(28)
L1607846-05E	Vial H2SO4 preserved	D	N/A	5.5	Y	Absent	TOC-5310(28)
L1607846-05F	Vial unpreserved	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-05G	Vial unpreserved	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-05H	Plastic 950ml unpreserved	B	7	4.2	Y	Absent	TSS-2540(7)
L1607846-05I	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-05J	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-05K	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-05L	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-05X	Vial H2SO4 preserved split	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-05Y	Vial H2SO4 preserved split	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-06A	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)
L1607846-06B	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)
L1607846-06C	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)
L1607846-06D	Vial H2SO4 preserved	D	N/A	5.5	Y	Absent	TOC-5310(28)
L1607846-06E	Vial H2SO4 preserved	D	N/A	5.5	Y	Absent	TOC-5310(28)
L1607846-06F	Vial unpreserved	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-06G	Vial unpreserved	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-06H	Plastic 950ml unpreserved	B	7	4.2	Y	Absent	TSS-2540(7)
L1607846-06I	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-06J	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-06K	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-06L	Amber 1000ml unpreserved	B	7	4.2	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-06X	Vial H2SO4 preserved split	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-06Y	Vial H2SO4 preserved split	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-07A	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)
L1607846-07B	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)
L1607846-07C	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)

*Values in parentheses indicate holding time in days

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1607846-07D	Vial H2SO4 preserved	D	N/A	5.5	Y	Absent	TOC-5310(28)
L1607846-07E	Vial H2SO4 preserved	D	N/A	5.5	Y	Absent	TOC-5310(28)
L1607846-07F	Vial unpreserved	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-07G	Vial unpreserved	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-07H	Plastic 950ml unpreserved	C	7	4.2	Y	Absent	TSS-2540(7)
L1607846-07I	Amber 1000ml unpreserved	C	7	4.2	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-07J	Amber 1000ml unpreserved	C	7	4.2	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-07K	Amber 1000ml unpreserved	C	7	4.2	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-07L	Amber 1000ml unpreserved	C	7	4.2	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-07X	Vial H2SO4 preserved split	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-07Y	Vial H2SO4 preserved split	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-08A	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)
L1607846-08B	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)
L1607846-08C	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)
L1607846-08D	Vial H2SO4 preserved	D	N/A	5.5	Y	Absent	TOC-5310(28)
L1607846-08E	Vial H2SO4 preserved	D	N/A	5.5	Y	Absent	TOC-5310(28)
L1607846-08F	Vial unpreserved	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-08G	Vial unpreserved	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-08H	Plastic 950ml unpreserved	C	7	4.2	Y	Absent	TSS-2540(7)
L1607846-08I	Amber 1000ml unpreserved	C	7	4.2	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-08J	Amber 1000ml unpreserved	C	7	4.2	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-08K	Amber 1000ml unpreserved	C	7	4.2	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-08L	Amber 1000ml unpreserved	C	7	4.2	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-08X	Vial H2SO4 preserved split	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-08Y	Vial H2SO4 preserved split	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-09A	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)
L1607846-09B	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)
L1607846-09C	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)
L1607846-09D	Vial H2SO4 preserved	D	N/A	5.5	Y	Absent	TOC-5310(28)
L1607846-09E	Vial H2SO4 preserved	D	N/A	5.5	Y	Absent	TOC-5310(28)
L1607846-09F	Vial unpreserved	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-09H	Plastic 950ml unpreserved	C	7	4.2	Y	Absent	TSS-2540(7)

*Values in parentheses indicate holding time in days

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1607846
Report Date: 04/08/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1607846-09I	Amber 1000ml unpreserved	C	7	4.2	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-09J	Amber 1000ml unpreserved	C	7	4.2	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-09K	Amber 1000ml unpreserved	D	7	5.5	Y	Absent	A2-SVOC-8270(7),A2-PAH-8270SIM(7)
L1607846-09L	Amber 1000ml unpreserved	D	7	5.5	Y	Absent	DOC-5310(28)
L1607846-09X	Vial H2SO4 preserved split	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-09Y	Vial H2SO4 preserved split	D	N/A	5.5	Y	Absent	DOC-5310(28)
L1607846-10A	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)
L1607846-10B	Vial HCl preserved	D	N/A	5.5	Y	Absent	8260(14)

*Values in parentheses indicate holding time in days

Project Name:	FORMER GLEN FALLS OU-2	**Lab Number:**	L1607846
Project Number:	E50593-01.01	**Report Date:**	04/08/16

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

Report Format: DU Report with 'J' Qualifiers

Project Name:	FORMER GLEN FALLS OU-2	**Lab Number:**	L1607846
Project Number:	E50593-01.01	**Report Date:**	04/08/16

Data Qualifiers

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	FORMER GLEN FALLS OU-2	**Lab Number:**	L1607846
Project Number:	E50593-01.01	**Report Date:**	04/08/16

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, m/p-xylene, o-xylene
EPA 624: 2-Butanone (MEK), 1,4-Dioxane, tert-Amylmethyl Ether, tert-Butyl Alcohol, m/p-xylene, o-xylene
EPA 625: Aniline, Benzoic Acid, Benzyl Alcohol, 4-Chloroaniline, 3-Methylphenol, 4-Methylphenol.
EPA 1010A: NPW: Ignitability
EPA 6010C: NPW: Strontium; SCM: Strontium
EPA 8151A: NPW: 2,4-DB, Dicamba, Dichloroprop, MCPA, MCPP; SCM: 2,4-DB, Dichloroprop, MCPA, MCPP
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene, Isopropanol; SCM: Iodomethane (methyl iodide), Methyl methacrylate (soil); 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 9010: NPW: Amenable Cyanide Distillation, Total Cyanide Distillation
EPA 9038: NPW: Sulfate
EPA 9050A: NPW: Specific Conductance
EPA 9056: NPW: Chloride, Nitrate, Sulfate
EPA 9065: NPW: Phenols
EPA 9251: NPW: Chloride
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
EPA 8270D: NPW: Biphenyl; SCM: Biphenyl, Caprolactam
EPA 8270D-SIM Isotope Dilution: SCM: 1,4-Dioxane
SM 2540D: TSS
SM2540G: SCM: Percent Solids
EPA 1631E: SCM: Mercury
EPA 7474: SCM: Mercury
EPA 8081B: NPW and SCM: Mirex, Hexachlorobenzene.
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA 8270-SIM: NPW and SCM: Alkylated PAHs.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene, n-Butylbenzene, n-Propylbenzene, sec-Butylbenzene, tert-Butylbenzene.
Biological Tissue Matrix: ***8270D-SIM; 3050B; 3051A; 7471B; 8081B; 8082A; 6020A:*** Lead***; 8270D:*** bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Diethyl phthalate, Dimethyl phthalate, Di-n-butyl phthalate, Di-n-octyl phthalate, Fluoranthene, Pentachlorophenol.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 3/18/16

ALPHA Job #: L1607816

Client Information
Client: Anchor QEA
Address: 4300 RTE 50 Suite 202
Phone: 518-886-0649
Fax:
Email: mcavaye anchorqea.com

Project Information
Project Name: Former Glens Falls GW-2
Project Location: Glens Falls, NY
Project # E50593.01-01
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL	VOC	SVOC	RAH	TOC	DOC	Total Bottle	Sample Specific Comments
07816 -01	SW-1A 20160316	3/16/16	10:20	W	MBC	X	X	X	X	X	X		
-02	SW-1B 20160316		10:15			X	X	X	X	X	X		
-03	SW-1C 20160316		8:35 10:05			X	X	X	X	X	X		
-04	SW-2A 20160316		10:50			X	X	X	X	X	X		
-05	SW-2C 20160316		10:35			X	X	X	X	X	X		
-06	SW-2B 20160316		10:45			X	X	X	X	X	X		
-07	SW-3A 20160316		8:50			X	X	X	X	X	X		
-08	SW-3B 20160316		8:40			X	X	X	X	X	X		
-09	SW-3C 20160316	↓	8:35	↓	↓	X	X	X	X	X	X		
-10	Trip Blank	3/16/16	99:99	W			X	X					

Container Type	P	V	A	A	V	V		
Preservative	A	B	A	A	D	A		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	3/17/16 1200	Robert Hahn ARL	3-17-16 1209
Robert Hahn	3/18/16 0105	Joshua Phillips	3/18/16 0105
	3/18/16 06:00	Beth Bedard	3/18/16 06:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-9288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 3/18/16

ALPHA Job #: L1607846

Client Information

Client: AnchorQEA
Address: 4300 RTE 50, Suite 202
Phone: 518-886-0649
Fax:
Email: mcavagnero@anchorqea.com

Project Information

Project Name: Former Glens Falls Oil-2
Project Location: Glens Falls, NY
Project #: E50593.01-01
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TSS	VOC	SVOC	RAH	TOC	DOC			Total Bottle
07846-01	SW1A20160316	3/16/16	10:20	W	MPC	X	X	X	X	X	X			
-02	SW-1B 20160316		10:15			X	X	X	X	X	X			
-03	SW-1C 20160316		8~~35~~ 10:05			X	X	X	X	X	X			
-04	SW-2A 20160316		10:50			X	X	X	X	X	X			
-05	SW-2C 20160316		10:35			X	X	X	X	X	X			
-06	SW-2B 20160316		10:45			X	X	X	X	X	X			
-07	SW-3A 20160316		8:50			X	X	X	X	X	X			
-08	SW-3B 20160316		8:40			X	X	X	X	X	X			
-09	SW-3C 20160316		8:35			X	X	X	X	X	X			
-10	Trip Blank	3/16/16	99:99	W			X	~~X~~ MRC						

Container Type: P V A A V V
Preservative: A B A A D A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3/17/16 1200	Robert Hahn AAL	3-17-16 1209
Robert Hahn	3/18/16 0105	Mike Phillips	3/18/16 0105

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Alpha
Summary Forms

Organic Summary Forms

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-01	Date Collected	: 03/16/16 10:20
Client ID	: SW1A 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/29/16 16:08
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1703291608	Analyst	: ML
Sample Amount	: 880 ml	Instrument ID	: PAH17
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.568	0.082	U
110-86-1	Pyridine	ND	0.568	0.185	U
100-52-7	Benzaldehyde	ND	2.27	0.135	U
62-53-3	Aniline	ND	1.14	0.144	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.568	0.106	U
108-95-2	Phenol	ND	0.568	0.058	U
95-57-8	2-Chlorophenol	ND	0.568	0.104	U
541-73-1	1,3-Dichlorobenzene	ND	0.568	0.089	U
106-46-7	1,4-Dichlorobenzene	ND	0.568	0.094	U
95-50-1	1,2-Dichlorobenzene	ND	0.568	0.077	U
100-51-6	Benzyl alcohol	ND	0.568	0.140	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.568	0.123	U
95-48-7	2-Methylphenol	ND	0.568	0.118	U
98-86-2	Acetophenone	0.908	1.14	0.235	J
67-72-1	Hexachloroethane	ND	0.568	0.116	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.568	0.140	U
106-44-5	4-Methylphenol	ND	0.568	0.128	U
98-95-3	Nitrobenzene	ND	0.568	0.116	U
78-59-1	Isophorone	ND	0.568	0.143	U
88-75-5	2-Nitrophenol	ND	0.568	0.131	U
105-67-9	2,4-Dimethylphenol	ND	2.27	0.274	U
65-85-0	Benzoic acid	ND	45.4	3.42	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.568	0.097	U
120-83-2	2,4-Dichlorophenol	ND	0.568	0.113	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-01	Date Collected	: 03/16/16 10:20
Client ID	: SW1A 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/29/16 16:08
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1703291608	Analyst	: ML
Sample Amount	: 880 ml	Instrument ID	: PAH17
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.568	0.109	U
106-47-8	4-Chloroaniline	ND	0.568	0.145	U
87-68-3	Hexachlorobutadiene	ND	0.568	0.097	U
105-60-2	Caprolactam	ND	2.27	0.140	U
59-50-7	4-Chloro-3-methylphenol	ND	0.568	0.117	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.568	0.091	U
77-47-4	Hexachlorocyclopentadiene	ND	0.568	0.174	U
88-06-2	2,4,6-Trichlorophenol	ND	0.568	0.173	U
95-95-4	2,4,5-Trichlorophenol	ND	0.568	0.104	U
92-52-4	Biphenyl	ND	0.568	0.126	U
91-58-7	2-Chloronaphthalene	ND	0.568	0.102	U
88-74-4	2-Nitroaniline	ND	0.568	0.157	U
131-11-3	Dimethylphthalate	ND	0.568	0.133	U
606-20-2	2,6-Dinitrotoluene	ND	0.568	0.191	U
99-09-2	3-Nitroaniline	ND	0.568	0.126	U
51-28-5	2,4-Dinitrophenol	ND	5.68	0.827	U
132-64-9	Dibenzofuran	ND	0.568	0.103	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.568	0.162	U
121-14-2	2,4-Dinitrotoluene	ND	0.568	0.185	U
100-02-7	4-Nitrophenol	ND	2.84	0.670	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.568	0.090	U
84-66-2	Diethylphthalate	ND	0.568	0.204	U
100-01-6	4-Nitroaniline	ND	0.568	0.127	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.27	0.580	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-01	Date Collected	: 03/16/16 10:20
Client ID	: SW1A 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/29/16 16:08
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1703291608	Analyst	: ML
Sample Amount	: 880 ml	Instrument ID	: PAH17
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.568	0.145	U
86-30-6	n-Nitrosodiphenylamine	ND	0.568	0.082	U
101-55-3	4-Bromophenyl-phenylether	ND	0.568	0.113	U
118-74-1	Hexachlorobenzene	ND	0.568	0.139	U
1912-24-9	Atrazine	ND	0.568	0.182	U
87-86-5	Pentachlorophenol	ND	2.27	0.489	U
82-68-8	Pentachloronitrobenzene	ND	0.568	0.192	U
86-74-8	Carbazole	ND	0.568	0.162	U
84-74-2	Di-n-butylphthalate	ND	0.568	0.113	U
92-87-5	Benzidine	ND	114	0.527	U
85-68-7	Butylbenzylphthalate	ND	0.568	0.096	U
91-94-1	3,3'-Dichlorobenzidine	ND	0.568	0.219	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.568	0.092	U
117-84-0	Di-n-octylphthalate	ND	1.14	0.089	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-02	Date Collected	: 03/16/16 10:15
Client ID	: SW1B 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/28/16 15:30
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1703281608	Analyst	: ML
Sample Amount	: 980 ml	Instrument ID	: PAH17
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.510	0.074	U
110-86-1	Pyridine	ND	0.510	0.166	U
100-52-7	Benzaldehyde	ND	2.04	0.121	U
62-53-3	Aniline	ND	1.02	0.130	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.510	0.095	U
108-95-2	Phenol	ND	0.510	0.052	U
95-57-8	2-Chlorophenol	ND	0.510	0.093	U
541-73-1	1,3-Dichlorobenzene	ND	0.510	0.080	U
106-46-7	1,4-Dichlorobenzene	ND	0.510	0.085	U
95-50-1	1,2-Dichlorobenzene	ND	0.510	0.069	U
100-51-6	Benzyl alcohol	ND	0.510	0.126	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.510	0.110	U
95-48-7	2-Methylphenol	ND	0.510	0.106	U
98-86-2	Acetophenone	ND	1.02	0.211	U
67-72-1	Hexachloroethane	ND	0.510	0.104	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.510	0.126	U
106-44-5	4-Methylphenol	ND	0.510	0.115	U
98-95-3	Nitrobenzene	ND	0.510	0.104	U
78-59-1	Isophorone	ND	0.510	0.128	U
88-75-5	2-Nitrophenol	ND	0.510	0.117	U
105-67-9	2,4-Dimethylphenol	ND	2.04	0.246	U
65-85-0	Benzoic acid	ND	40.8	3.07	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.510	0.087	U
120-83-2	2,4-Dichlorophenol	ND	0.510	0.102	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-02	Date Collected	: 03/16/16 10:15
Client ID	: SW1B 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/28/16 15:30
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1703281608	Analyst	: ML
Sample Amount	: 980 ml	Instrument ID	: PAH17
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.510	0.098	U
106-47-8	4-Chloroaniline	ND	0.510	0.131	U
87-68-3	Hexachlorobutadiene	ND	0.510	0.087	U
105-60-2	Caprolactam	ND	2.04	0.126	U
59-50-7	4-Chloro-3-methylphenol	ND	0.510	0.105	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.510	0.081	U
77-47-4	Hexachlorocyclopentadiene	ND	0.510	0.156	U
88-06-2	2,4,6-Trichlorophenol	ND	0.510	0.155	U
95-95-4	2,4,5-Trichlorophenol	ND	0.510	0.093	U
92-52-4	Biphenyl	ND	0.510	0.113	U
91-58-7	2-Chloronaphthalene	ND	0.510	0.092	U
88-74-4	2-Nitroaniline	ND	0.510	0.141	U
131-11-3	Dimethylphthalate	ND	0.510	0.119	U
606-20-2	2,6-Dinitrotoluene	ND	0.510	0.171	U
99-09-2	3-Nitroaniline	ND	0.510	0.113	U
51-28-5	2,4-Dinitrophenol	ND	5.10	0.743	U
132-64-9	Dibenzofuran	ND	0.510	0.093	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.510	0.146	U
121-14-2	2,4-Dinitrotoluene	ND	0.510	0.166	U
100-02-7	4-Nitrophenol	ND	2.55	0.602	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.510	0.081	U
84-66-2	Diethylphthalate	ND	0.510	0.184	U
100-01-6	4-Nitroaniline	ND	0.510	0.114	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.04	0.520	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-02	Date Collected	: 03/16/16 10:15
Client ID	: SW1B 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/28/16 15:30
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1703281608	Analyst	: ML
Sample Amount	: 980 ml	Instrument ID	: PAH17
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.510	0.131	U
86-30-6	n-Nitrosodiphenylamine	ND	0.510	0.074	U
101-55-3	4-Bromophenyl-phenylether	ND	0.510	0.102	U
118-74-1	Hexachlorobenzene	ND	0.510	0.124	U
1912-24-9	Atrazine	ND	0.510	0.163	U
87-86-5	Pentachlorophenol	ND	2.04	0.439	U
82-68-8	Pentachloronitrobenzene	ND	0.510	0.172	U
86-74-8	Carbazole	ND	0.510	0.146	U
84-74-2	Di-n-butylphthalate	ND	0.510	0.102	U
92-87-5	Benzidine	ND	102	0.473	U
85-68-7	Butylbenzylphthalate	ND	0.510	0.087	U
91-94-1	3,3'-Dichlorobenzidine	ND	0.510	0.197	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.510	0.083	U
117-84-0	Di-n-octylphthalate	ND	1.02	0.080	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-03	Date Collected	: 03/16/16 10:05
Client ID	: SW1C 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/30/16 19:09
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F803301613	Analyst	: ML
Sample Amount	: 950 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.526	0.076	U
110-86-1	Pyridine	ND	0.526	0.172	U
100-52-7	Benzaldehyde	ND	2.10	0.125	U
62-53-3	Aniline	ND	1.05	0.134	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.526	0.098	U
108-95-2	Phenol	ND	0.526	0.054	U
95-57-8	2-Chlorophenol	ND	0.526	0.096	U
541-73-1	1,3-Dichlorobenzene	ND	0.526	0.082	U
106-46-7	1,4-Dichlorobenzene	ND	0.526	0.087	U
95-50-1	1,2-Dichlorobenzene	ND	0.526	0.072	U
100-51-6	Benzyl alcohol	ND	0.526	0.129	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.526	0.114	U
95-48-7	2-Methylphenol	ND	0.526	0.109	U
98-86-2	Acetophenone	ND	1.05	0.218	U
67-72-1	Hexachloroethane	ND	0.526	0.107	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.526	0.129	U
106-44-5	4-Methylphenol	ND	0.526	0.119	U
98-95-3	Nitrobenzene	ND	0.526	0.107	U
78-59-1	Isophorone	ND	0.526	0.133	U
88-75-5	2-Nitrophenol	ND	0.526	0.121	U
105-67-9	2,4-Dimethylphenol	ND	2.10	0.254	U
65-85-0	Benzoic acid	ND	42.1	3.17	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.526	0.090	U
120-83-2	2,4-Dichlorophenol	ND	0.526	0.105	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-03	Date Collected	: 03/16/16 10:05
Client ID	: SW1C 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/30/16 19:09
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F803301613	Analyst	: ML
Sample Amount	: 950 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.526	0.101	U
106-47-8	4-Chloroaniline	ND	0.526	0.135	U
87-68-3	Hexachlorobutadiene	ND	0.526	0.090	U
105-60-2	Caprolactam	ND	2.10	0.129	U
59-50-7	4-Chloro-3-methylphenol	ND	0.526	0.108	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.526	0.084	U
77-47-4	Hexachlorocyclopentadiene	ND	0.526	0.161	U
88-06-2	2,4,6-Trichlorophenol	ND	0.526	0.160	U
95-95-4	2,4,5-Trichlorophenol	ND	0.526	0.096	U
92-52-4	Biphenyl	ND	0.526	0.117	U
91-58-7	2-Chloronaphthalene	ND	0.526	0.095	U
88-74-4	2-Nitroaniline	ND	0.526	0.145	U
131-11-3	Dimethylphthalate	ND	0.526	0.123	U
606-20-2	2,6-Dinitrotoluene	ND	0.526	0.177	U
99-09-2	3-Nitroaniline	ND	0.526	0.117	U
51-28-5	2,4-Dinitrophenol	ND	5.26	0.766	U
132-64-9	Dibenzofuran	ND	0.526	0.096	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.526	0.150	U
121-14-2	2,4-Dinitrotoluene	ND	0.526	0.172	U
100-02-7	4-Nitrophenol	ND	2.63	0.621	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.526	0.083	U
84-66-2	Diethylphthalate	ND	0.526	0.189	U
100-01-6	4-Nitroaniline	ND	0.526	0.118	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.10	0.537	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-03	Date Collected	: 03/16/16 10:05
Client ID	: SW1C 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/30/16 19:09
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F803301613	Analyst	: ML
Sample Amount	: 950 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.526	0.135	U
86-30-6	n-Nitrosodiphenylamine	ND	0.526	0.076	U
101-55-3	4-Bromophenyl-phenylether	ND	0.526	0.105	U
118-74-1	Hexachlorobenzene	ND	0.526	0.128	U
1912-24-9	Atrazine	ND	0.526	0.168	U
87-86-5	Pentachlorophenol	ND	2.10	0.453	U
82-68-8	Pentachloronitrobenzene	ND	0.526	0.178	U
86-74-8	Carbazole	ND	0.526	0.150	U
84-74-2	Di-n-butylphthalate	ND	0.526	0.105	U
92-87-5	Benzidine	ND	105	0.488	U
85-68-7	Butylbenzylphthalate	ND	0.526	0.089	U
91-94-1	3,3'-Dichlorobenzidine	ND	0.526	0.203	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.526	0.085	U
117-84-0	Di-n-octylphthalate	ND	1.05	0.083	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-04	Date Collected	: 03/16/16 10:50
Client ID	: SW2A 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/28/16 16:28
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1703281610	Analyst	: ML
Sample Amount	: 970 ml	Instrument ID	: PAH17
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.515	0.074	U
110-86-1	Pyridine	ND	0.515	0.168	U
100-52-7	Benzaldehyde	ND	2.06	0.123	U
62-53-3	Aniline	ND	1.03	0.131	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.515	0.096	U
108-95-2	Phenol	ND	0.515	0.053	U
95-57-8	2-Chlorophenol	ND	0.515	0.094	U
541-73-1	1,3-Dichlorobenzene	ND	0.515	0.081	U
106-46-7	1,4-Dichlorobenzene	ND	0.515	0.085	U
95-50-1	1,2-Dichlorobenzene	ND	0.515	0.070	U
100-51-6	Benzyl alcohol	ND	0.515	0.127	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.515	0.111	U
95-48-7	2-Methylphenol	ND	0.515	0.107	U
98-86-2	Acetophenone	ND	1.03	0.213	U
67-72-1	Hexachloroethane	ND	0.515	0.105	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.515	0.127	U
106-44-5	4-Methylphenol	ND	0.515	0.116	U
98-95-3	Nitrobenzene	ND	0.515	0.105	U
78-59-1	Isophorone	ND	0.515	0.130	U
88-75-5	2-Nitrophenol	ND	0.515	0.118	U
105-67-9	2,4-Dimethylphenol	ND	2.06	0.248	U
65-85-0	Benzoic acid	ND	41.2	3.10	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.515	0.088	U
120-83-2	2,4-Dichlorophenol	ND	0.515	0.103	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-04	Date Collected	: 03/16/16 10:50
Client ID	: SW2A 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/28/16 16:28
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1703281610	Analyst	: ML
Sample Amount	: 970 ml	Instrument ID	: PAH17
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.515	0.099	U
106-47-8	4-Chloroaniline	ND	0.515	0.132	U
87-68-3	Hexachlorobutadiene	ND	0.515	0.088	U
105-60-2	Caprolactam	ND	2.06	0.127	U
59-50-7	4-Chloro-3-methylphenol	ND	0.515	0.106	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.515	0.082	U
77-47-4	Hexachlorocyclopentadiene	ND	0.515	0.158	U
88-06-2	2,4,6-Trichlorophenol	ND	0.515	0.157	U
95-95-4	2,4,5-Trichlorophenol	ND	0.515	0.094	U
92-52-4	Biphenyl	ND	0.515	0.114	U
91-58-7	2-Chloronaphthalene	ND	0.515	0.093	U
88-74-4	2-Nitroaniline	ND	0.515	0.142	U
131-11-3	Dimethylphthalate	ND	0.515	0.121	U
606-20-2	2,6-Dinitrotoluene	ND	0.515	0.173	U
99-09-2	3-Nitroaniline	ND	0.515	0.114	U
51-28-5	2,4-Dinitrophenol	ND	5.15	0.750	U
132-64-9	Dibenzofuran	ND	0.515	0.094	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.515	0.147	U
121-14-2	2,4-Dinitrotoluene	ND	0.515	0.168	U
100-02-7	4-Nitrophenol	ND	2.58	0.608	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.515	0.082	U
84-66-2	Diethylphthalate	ND	0.515	0.186	U
100-01-6	4-Nitroaniline	ND	0.515	0.115	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.06	0.526	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-04	Date Collected	: 03/16/16 10:50
Client ID	: SW2A 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/28/16 16:28
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1703281610	Analyst	: ML
Sample Amount	: 970 ml	Instrument ID	: PAH17
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.515	0.132	U
86-30-6	n-Nitrosodiphenylamine	ND	0.515	0.074	U
101-55-3	4-Bromophenyl-phenylether	ND	0.515	0.103	U
118-74-1	Hexachlorobenzene	ND	0.515	0.126	U
1912-24-9	Atrazine	ND	0.515	0.165	U
87-86-5	Pentachlorophenol	ND	2.06	0.443	U
82-68-8	Pentachloronitrobenzene	ND	0.515	0.174	U
86-74-8	Carbazole	ND	0.515	0.147	U
84-74-2	Di-n-butylphthalate	ND	0.515	0.103	U
92-87-5	Benzidine	ND	103	0.478	U
85-68-7	Butylbenzylphthalate	ND	0.515	0.087	U
91-94-1	3,3'-Dichlorobenzidine	ND	0.515	0.199	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.236	0.515	0.083	J
117-84-0	Di-n-octylphthalate	ND	1.03	0.081	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-05	Date Collected	: 03/16/16 10:35
Client ID	: SW2C 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/28/16 16:58
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1703281611	Analyst	: ML
Sample Amount	: 960 ml	Instrument ID	: PAH17
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.521	0.075	U
110-86-1	Pyridine	ND	0.521	0.170	U
100-52-7	Benzaldehyde	ND	2.08	0.124	U
62-53-3	Aniline	ND	1.04	0.132	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.521	0.097	U
108-95-2	Phenol	ND	0.521	0.053	U
95-57-8	2-Chlorophenol	ND	0.521	0.095	U
541-73-1	1,3-Dichlorobenzene	ND	0.521	0.082	U
106-46-7	1,4-Dichlorobenzene	ND	0.521	0.086	U
95-50-1	1,2-Dichlorobenzene	ND	0.521	0.071	U
100-51-6	Benzyl alcohol	ND	0.521	0.128	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.521	0.112	U
95-48-7	2-Methylphenol	ND	0.521	0.108	U
98-86-2	Acetophenone	ND	1.04	0.216	U
67-72-1	Hexachloroethane	ND	0.521	0.106	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.521	0.128	U
106-44-5	4-Methylphenol	ND	0.521	0.118	U
98-95-3	Nitrobenzene	ND	0.521	0.106	U
78-59-1	Isophorone	ND	0.521	0.131	U
88-75-5	2-Nitrophenol	ND	0.521	0.120	U
105-67-9	2,4-Dimethylphenol	ND	2.08	0.251	U
65-85-0	Benzoic acid	ND	41.7	3.14	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.521	0.089	U
120-83-2	2,4-Dichlorophenol	ND	0.521	0.104	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-05	Date Collected	: 03/16/16 10:35
Client ID	: SW2C 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/28/16 16:58
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1703281611	Analyst	: ML
Sample Amount	: 960 ml	Instrument ID	: PAH17
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.521	0.100	U
106-47-8	4-Chloroaniline	ND	0.521	0.133	U
87-68-3	Hexachlorobutadiene	ND	0.521	0.089	U
105-60-2	Caprolactam	ND	2.08	0.128	U
59-50-7	4-Chloro-3-methylphenol	ND	0.521	0.107	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.521	0.083	U
77-47-4	Hexachlorocyclopentadiene	ND	0.521	0.159	U
88-06-2	2,4,6-Trichlorophenol	ND	0.521	0.158	U
95-95-4	2,4,5-Trichlorophenol	ND	0.521	0.095	U
92-52-4	Biphenyl	ND	0.521	0.116	U
91-58-7	2-Chloronaphthalene	ND	0.521	0.094	U
88-74-4	2-Nitroaniline	ND	0.521	0.144	U
131-11-3	Dimethylphthalate	ND	0.521	0.122	U
606-20-2	2,6-Dinitrotoluene	ND	0.521	0.175	U
99-09-2	3-Nitroaniline	ND	0.521	0.116	U
51-28-5	2,4-Dinitrophenol	ND	5.21	0.758	U
132-64-9	Dibenzofuran	ND	0.521	0.095	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.521	0.149	U
121-14-2	2,4-Dinitrotoluene	ND	0.521	0.170	U
100-02-7	4-Nitrophenol	ND	2.60	0.614	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.521	0.083	U
84-66-2	Diethylphthalate	ND	0.521	0.188	U
100-01-6	4-Nitroaniline	ND	0.521	0.117	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.08	0.531	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-05	Date Collected	: 03/16/16 10:35
Client ID	: SW2C 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/28/16 16:58
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1703281611	Analyst	: ML
Sample Amount	: 960 ml	Instrument ID	: PAH17
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.521	0.133	U
86-30-6	n-Nitrosodiphenylamine	ND	0.521	0.075	U
101-55-3	4-Bromophenyl-phenylether	ND	0.521	0.104	U
118-74-1	Hexachlorobenzene	ND	0.521	0.127	U
1912-24-9	Atrazine	ND	0.521	0.167	U
87-86-5	Pentachlorophenol	ND	2.08	0.448	U
82-68-8	Pentachloronitrobenzene	ND	0.521	0.176	U
86-74-8	Carbazole	ND	0.521	0.149	U
84-74-2	Di-n-butylphthalate	ND	0.521	0.104	U
92-87-5	Benzidine	ND	104	0.483	U
85-68-7	Butylbenzylphthalate	ND	0.521	0.088	U
91-94-1	3,3'-Dichlorobenzidine	ND	0.521	0.201	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.521	0.084	U
117-84-0	Di-n-octylphthalate	ND	1.04	0.082	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-06	Date Collected	: 03/16/16 10:45
Client ID	: SW2B 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/28/16 17:27
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1703281612	Analyst	: ML
Sample Amount	: 970 ml	Instrument ID	: PAH17
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.515	0.074	U
110-86-1	Pyridine	ND	0.515	0.168	U
100-52-7	Benzaldehyde	ND	2.06	0.123	U
62-53-3	Aniline	ND	1.03	0.131	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.515	0.096	U
108-95-2	Phenol	ND	0.515	0.053	U
95-57-8	2-Chlorophenol	ND	0.515	0.094	U
541-73-1	1,3-Dichlorobenzene	ND	0.515	0.081	U
106-46-7	1,4-Dichlorobenzene	ND	0.515	0.085	U
95-50-1	1,2-Dichlorobenzene	ND	0.515	0.070	U
100-51-6	Benzyl alcohol	ND	0.515	0.127	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.515	0.111	U
95-48-7	2-Methylphenol	ND	0.515	0.107	U
98-86-2	Acetophenone	ND	1.03	0.213	U
67-72-1	Hexachloroethane	ND	0.515	0.105	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.515	0.127	U
106-44-5	4-Methylphenol	ND	0.515	0.116	U
98-95-3	Nitrobenzene	ND	0.515	0.105	U
78-59-1	Isophorone	ND	0.515	0.130	U
88-75-5	2-Nitrophenol	ND	0.515	0.118	U
105-67-9	2,4-Dimethylphenol	ND	2.06	0.248	U
65-85-0	Benzoic acid	ND	41.2	3.10	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.515	0.088	U
120-83-2	2,4-Dichlorophenol	ND	0.515	0.103	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-06	Date Collected	: 03/16/16 10:45
Client ID	: SW2B 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/28/16 17:27
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1703281612	Analyst	: ML
Sample Amount	: 970 ml	Instrument ID	: PAH17
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.515	0.099	U
106-47-8	4-Chloroaniline	ND	0.515	0.132	U
87-68-3	Hexachlorobutadiene	ND	0.515	0.088	U
105-60-2	Caprolactam	ND	2.06	0.127	U
59-50-7	4-Chloro-3-methylphenol	ND	0.515	0.106	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.515	0.082	U
77-47-4	Hexachlorocyclopentadiene	ND	0.515	0.158	U
88-06-2	2,4,6-Trichlorophenol	ND	0.515	0.157	U
95-95-4	2,4,5-Trichlorophenol	ND	0.515	0.094	U
92-52-4	Biphenyl	ND	0.515	0.114	U
91-58-7	2-Chloronaphthalene	ND	0.515	0.093	U
88-74-4	2-Nitroaniline	ND	0.515	0.142	U
131-11-3	Dimethylphthalate	ND	0.515	0.121	U
606-20-2	2,6-Dinitrotoluene	ND	0.515	0.173	U
99-09-2	3-Nitroaniline	ND	0.515	0.114	U
51-28-5	2,4-Dinitrophenol	ND	5.15	0.750	U
132-64-9	Dibenzofuran	ND	0.515	0.094	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.515	0.147	U
121-14-2	2,4-Dinitrotoluene	ND	0.515	0.168	U
100-02-7	4-Nitrophenol	ND	2.58	0.608	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.515	0.082	U
84-66-2	Diethylphthalate	ND	0.515	0.186	U
100-01-6	4-Nitroaniline	ND	0.515	0.115	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.06	0.526	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-06	Date Collected	: 03/16/16 10:45
Client ID	: SW2B 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/28/16 17:27
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1703281612	Analyst	: ML
Sample Amount	: 970 ml	Instrument ID	: PAH17
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.515	0.132	U
86-30-6	n-Nitrosodiphenylamine	ND	0.515	0.074	U
101-55-3	4-Bromophenyl-phenylether	ND	0.515	0.103	U
118-74-1	Hexachlorobenzene	ND	0.515	0.126	U
1912-24-9	Atrazine	ND	0.515	0.165	U
87-86-5	Pentachlorophenol	ND	2.06	0.443	U
82-68-8	Pentachloronitrobenzene	ND	0.515	0.174	U
86-74-8	Carbazole	ND	0.515	0.147	U
84-74-2	Di-n-butylphthalate	ND	0.515	0.103	U
92-87-5	Benzidine	ND	103	0.478	U
85-68-7	Butylbenzylphthalate	ND	0.515	0.087	U
91-94-1	3,3'-Dichlorobenzidine	ND	0.515	0.199	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.515	0.083	U
117-84-0	Di-n-octylphthalate	ND	1.03	0.081	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-07	Date Collected	: 03/16/16 08:50
Client ID	: SW3A 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/28/16 17:57
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1703281613	Analyst	: ML
Sample Amount	: 950 ml	Instrument ID	: PAH17
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.526	0.076	U
110-86-1	Pyridine	ND	0.526	0.172	U
100-52-7	Benzaldehyde	ND	2.10	0.125	U
62-53-3	Aniline	ND	1.05	0.134	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.526	0.098	U
108-95-2	Phenol	ND	0.526	0.054	U
95-57-8	2-Chlorophenol	ND	0.526	0.096	U
541-73-1	1,3-Dichlorobenzene	ND	0.526	0.082	U
106-46-7	1,4-Dichlorobenzene	ND	0.526	0.087	U
95-50-1	1,2-Dichlorobenzene	ND	0.526	0.072	U
100-51-6	Benzyl alcohol	ND	0.526	0.129	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.526	0.114	U
95-48-7	2-Methylphenol	ND	0.526	0.109	U
98-86-2	Acetophenone	ND	1.05	0.218	U
67-72-1	Hexachloroethane	ND	0.526	0.107	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.526	0.129	U
106-44-5	4-Methylphenol	ND	0.526	0.119	U
98-95-3	Nitrobenzene	ND	0.526	0.107	U
78-59-1	Isophorone	ND	0.526	0.133	U
88-75-5	2-Nitrophenol	ND	0.526	0.121	U
105-67-9	2,4-Dimethylphenol	ND	2.10	0.254	U
65-85-0	Benzoic acid	ND	42.1	3.17	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.526	0.090	U
120-83-2	2,4-Dichlorophenol	ND	0.526	0.105	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-07	Date Collected	: 03/16/16 08:50
Client ID	: SW3A 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/28/16 17:57
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1703281613	Analyst	: ML
Sample Amount	: 950 ml	Instrument ID	: PAH17
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.526	0.101	U
106-47-8	4-Chloroaniline	ND	0.526	0.135	U
87-68-3	Hexachlorobutadiene	ND	0.526	0.090	U
105-60-2	Caprolactam	ND	2.10	0.129	U
59-50-7	4-Chloro-3-methylphenol	ND	0.526	0.108	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.526	0.084	U
77-47-4	Hexachlorocyclopentadiene	ND	0.526	0.161	U
88-06-2	2,4,6-Trichlorophenol	ND	0.526	0.160	U
95-95-4	2,4,5-Trichlorophenol	ND	0.526	0.096	U
92-52-4	Biphenyl	ND	0.526	0.117	U
91-58-7	2-Chloronaphthalene	ND	0.526	0.095	U
88-74-4	2-Nitroaniline	ND	0.526	0.145	U
131-11-3	Dimethylphthalate	ND	0.526	0.123	U
606-20-2	2,6-Dinitrotoluene	ND	0.526	0.177	U
99-09-2	3-Nitroaniline	ND	0.526	0.117	U
51-28-5	2,4-Dinitrophenol	ND	5.26	0.766	U
132-64-9	Dibenzofuran	ND	0.526	0.096	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.526	0.150	U
121-14-2	2,4-Dinitrotoluene	ND	0.526	0.172	U
100-02-7	4-Nitrophenol	ND	2.63	0.621	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.526	0.083	U
84-66-2	Diethylphthalate	ND	0.526	0.189	U
100-01-6	4-Nitroaniline	ND	0.526	0.118	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.10	0.537	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-07	Date Collected	: 03/16/16 08:50
Client ID	: SW3A 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/28/16 17:57
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1703281613	Analyst	: ML
Sample Amount	: 950 ml	Instrument ID	: PAH17
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.526	0.135	U
86-30-6	n-Nitrosodiphenylamine	ND	0.526	0.076	U
101-55-3	4-Bromophenyl-phenylether	ND	0.526	0.105	U
118-74-1	Hexachlorobenzene	ND	0.526	0.128	U
1912-24-9	Atrazine	ND	0.526	0.168	U
87-86-5	Pentachlorophenol	ND	2.10	0.453	U
82-68-8	Pentachloronitrobenzene	ND	0.526	0.178	U
86-74-8	Carbazole	ND	0.526	0.150	U
84-74-2	Di-n-butylphthalate	ND	0.526	0.105	U
92-87-5	Benzidine	ND	105	0.488	U
85-68-7	Butylbenzylphthalate	ND	0.526	0.089	U
91-94-1	3,3'-Dichlorobenzidine	ND	0.526	0.203	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.470	0.526	0.085	J
117-84-0	Di-n-octylphthalate	ND	1.05	0.083	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-08	Date Collected	: 03/16/16 08:40
Client ID	: SW3B 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/28/16 18:26
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1703281614	Analyst	: ML
Sample Amount	: 970 ml	Instrument ID	: PAH17
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.515	0.074	U
110-86-1	Pyridine	ND	0.515	0.168	U
100-52-7	Benzaldehyde	ND	2.06	0.123	U
62-53-3	Aniline	ND	1.03	0.131	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.515	0.096	U
108-95-2	Phenol	ND	0.515	0.053	U
95-57-8	2-Chlorophenol	ND	0.515	0.094	U
541-73-1	1,3-Dichlorobenzene	ND	0.515	0.081	U
106-46-7	1,4-Dichlorobenzene	ND	0.515	0.085	U
95-50-1	1,2-Dichlorobenzene	ND	0.515	0.070	U
100-51-6	Benzyl alcohol	ND	0.515	0.127	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.515	0.111	U
95-48-7	2-Methylphenol	ND	0.515	0.107	U
98-86-2	Acetophenone	ND	1.03	0.213	U
67-72-1	Hexachloroethane	ND	0.515	0.105	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.515	0.127	U
106-44-5	4-Methylphenol	ND	0.515	0.116	U
98-95-3	Nitrobenzene	ND	0.515	0.105	U
78-59-1	Isophorone	ND	0.515	0.130	U
88-75-5	2-Nitrophenol	ND	0.515	0.118	U
105-67-9	2,4-Dimethylphenol	ND	2.06	0.248	U
65-85-0	Benzoic acid	ND	41.2	3.10	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.515	0.088	U
120-83-2	2,4-Dichlorophenol	ND	0.515	0.103	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-08	Date Collected	: 03/16/16 08:40
Client ID	: SW3B 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/28/16 18:26
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1703281614	Analyst	: ML
Sample Amount	: 970 ml	Instrument ID	: PAH17
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.515	0.099	U
106-47-8	4-Chloroaniline	ND	0.515	0.132	U
87-68-3	Hexachlorobutadiene	ND	0.515	0.088	U
105-60-2	Caprolactam	ND	2.06	0.127	U
59-50-7	4-Chloro-3-methylphenol	ND	0.515	0.106	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.515	0.082	U
77-47-4	Hexachlorocyclopentadiene	ND	0.515	0.158	U
88-06-2	2,4,6-Trichlorophenol	ND	0.515	0.157	U
95-95-4	2,4,5-Trichlorophenol	ND	0.515	0.094	U
92-52-4	Biphenyl	ND	0.515	0.114	U
91-58-7	2-Chloronaphthalene	ND	0.515	0.093	U
88-74-4	2-Nitroaniline	ND	0.515	0.142	U
131-11-3	Dimethylphthalate	ND	0.515	0.121	U
606-20-2	2,6-Dinitrotoluene	ND	0.515	0.173	U
99-09-2	3-Nitroaniline	ND	0.515	0.114	U
51-28-5	2,4-Dinitrophenol	ND	5.15	0.750	U
132-64-9	Dibenzofuran	ND	0.515	0.094	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.515	0.147	U
121-14-2	2,4-Dinitrotoluene	ND	0.515	0.168	U
100-02-7	4-Nitrophenol	ND	2.58	0.608	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.515	0.082	U
84-66-2	Diethylphthalate	ND	0.515	0.186	U
100-01-6	4-Nitroaniline	ND	0.515	0.115	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.06	0.526	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-08	Date Collected	: 03/16/16 08:40
Client ID	: SW3B 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/28/16 18:26
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1703281614	Analyst	: ML
Sample Amount	: 970 ml	Instrument ID	: PAH17
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.515	0.132	U
86-30-6	n-Nitrosodiphenylamine	ND	0.515	0.074	U
101-55-3	4-Bromophenyl-phenylether	ND	0.515	0.103	U
118-74-1	Hexachlorobenzene	ND	0.515	0.126	U
1912-24-9	Atrazine	ND	0.515	0.165	U
87-86-5	Pentachlorophenol	ND	2.06	0.443	U
82-68-8	Pentachloronitrobenzene	ND	0.515	0.174	U
86-74-8	Carbazole	ND	0.515	0.147	U
84-74-2	Di-n-butylphthalate	ND	0.515	0.103	U
92-87-5	Benzidine	ND	103	0.478	U
85-68-7	Butylbenzylphthalate	ND	0.515	0.087	U
91-94-1	3,3'-Dichlorobenzidine	ND	0.515	0.199	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.515	0.083	U
117-84-0	Di-n-octylphthalate	ND	1.03	0.081	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-09	Date Collected	: 03/16/16 08:35
Client ID	: SW3C 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/29/16 17:07
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1703291610	Analyst	: ML
Sample Amount	: 970 ml	Instrument ID	: PAH17
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.515	0.074	U
110-86-1	Pyridine	ND	0.515	0.168	U
100-52-7	Benzaldehyde	ND	2.06	0.123	U
62-53-3	Aniline	ND	1.03	0.131	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.515	0.096	U
108-95-2	Phenol	ND	0.515	0.053	U
95-57-8	2-Chlorophenol	ND	0.515	0.094	U
541-73-1	1,3-Dichlorobenzene	ND	0.515	0.081	U
106-46-7	1,4-Dichlorobenzene	ND	0.515	0.085	U
95-50-1	1,2-Dichlorobenzene	ND	0.515	0.070	U
100-51-6	Benzyl alcohol	ND	0.515	0.127	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.515	0.111	U
95-48-7	2-Methylphenol	ND	0.515	0.107	U
98-86-2	Acetophenone	ND	1.03	0.213	U
67-72-1	Hexachloroethane	ND	0.515	0.105	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.515	0.127	U
106-44-5	4-Methylphenol	ND	0.515	0.116	U
98-95-3	Nitrobenzene	ND	0.515	0.105	U
78-59-1	Isophorone	ND	0.515	0.130	U
88-75-5	2-Nitrophenol	ND	0.515	0.118	U
105-67-9	2,4-Dimethylphenol	ND	2.06	0.248	U
65-85-0	Benzoic acid	ND	41.2	3.10	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.515	0.088	U
120-83-2	2,4-Dichlorophenol	ND	0.515	0.103	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-09	Date Collected	: 03/16/16 08:35
Client ID	: SW3C 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/29/16 17:07
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1703291610	Analyst	: ML
Sample Amount	: 970 ml	Instrument ID	: PAH17
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.515	0.099	U
106-47-8	4-Chloroaniline	ND	0.515	0.132	U
87-68-3	Hexachlorobutadiene	ND	0.515	0.088	U
105-60-2	Caprolactam	ND	2.06	0.127	U
59-50-7	4-Chloro-3-methylphenol	ND	0.515	0.106	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.515	0.082	U
77-47-4	Hexachlorocyclopentadiene	ND	0.515	0.158	U
88-06-2	2,4,6-Trichlorophenol	ND	0.515	0.157	U
95-95-4	2,4,5-Trichlorophenol	ND	0.515	0.094	U
92-52-4	Biphenyl	ND	0.515	0.114	U
91-58-7	2-Chloronaphthalene	ND	0.515	0.093	U
88-74-4	2-Nitroaniline	ND	0.515	0.142	U
131-11-3	Dimethylphthalate	ND	0.515	0.121	U
606-20-2	2,6-Dinitrotoluene	ND	0.515	0.173	U
99-09-2	3-Nitroaniline	ND	0.515	0.114	U
51-28-5	2,4-Dinitrophenol	ND	5.15	0.750	U
132-64-9	Dibenzofuran	ND	0.515	0.094	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.515	0.147	U
121-14-2	2,4-Dinitrotoluene	ND	0.515	0.168	U
100-02-7	4-Nitrophenol	ND	2.58	0.608	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.515	0.082	U
84-66-2	Diethylphthalate	ND	0.515	0.186	U
100-01-6	4-Nitroaniline	ND	0.515	0.115	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.06	0.526	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-09	Date Collected	: 03/16/16 08:35
Client ID	: SW3C 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/29/16 17:07
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F1703291610	Analyst	: ML
Sample Amount	: 970 ml	Instrument ID	: PAH17
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.515	0.132	U
86-30-6	n-Nitrosodiphenylamine	ND	0.515	0.074	U
101-55-3	4-Bromophenyl-phenylether	ND	0.515	0.103	U
118-74-1	Hexachlorobenzene	ND	0.515	0.126	U
1912-24-9	Atrazine	ND	0.515	0.165	U
87-86-5	Pentachlorophenol	ND	2.06	0.443	U
82-68-8	Pentachloronitrobenzene	ND	0.515	0.174	U
86-74-8	Carbazole	ND	0.515	0.147	U
84-74-2	Di-n-butylphthalate	ND	0.515	0.103	U
92-87-5	Benzidine	ND	103	0.478	U
85-68-7	Butylbenzylphthalate	ND	0.515	0.087	U
91-94-1	3,3'-Dichlorobenzidine	ND	0.515	0.199	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.515	0.083	U
117-84-0	Di-n-octylphthalate	ND	1.03	0.081	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: WG876532-1	Date Collected	: NA
Client ID	: WG876532-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 03/26/16 14:18
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F803251624	Analyst	: ML
Sample Amount	: 1000 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.500	0.072	U
110-86-1	Pyridine	ND	0.500	0.163	U
100-52-7	Benzaldehyde	ND	2.00	0.119	U
62-53-3	Aniline	ND	1.00	0.127	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.500	0.093	U
108-95-2	Phenol	ND	0.500	0.051	U
95-57-8	2-Chlorophenol	ND	0.500	0.091	U
541-73-1	1,3-Dichlorobenzene	ND	0.500	0.078	U
106-46-7	1,4-Dichlorobenzene	ND	0.500	0.083	U
95-50-1	1,2-Dichlorobenzene	ND	0.500	0.068	U
100-51-6	Benzyl alcohol	ND	0.500	0.123	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.500	0.108	U
95-48-7	2-Methylphenol	ND	0.500	0.104	U
98-86-2	Acetophenone	ND	1.00	0.207	U
67-72-1	Hexachloroethane	ND	0.500	0.102	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.500	0.123	U
106-44-5	4-Methylphenol	ND	0.500	0.113	U
98-95-3	Nitrobenzene	ND	0.500	0.102	U
78-59-1	Isophorone	ND	0.500	0.126	U
88-75-5	2-Nitrophenol	ND	0.500	0.115	U
105-67-9	2,4-Dimethylphenol	ND	2.00	0.241	U
65-85-0	Benzoic acid	ND	40.0	3.01	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.500	0.085	U
120-83-2	2,4-Dichlorophenol	ND	0.500	0.100	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: WG876532-1	Date Collected	: NA
Client ID	: WG876532-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 03/26/16 14:18
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F803251624	Analyst	: ML
Sample Amount	: 1000 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.500	0.096	U
106-47-8	4-Chloroaniline	ND	0.500	0.128	U
87-68-3	Hexachlorobutadiene	ND	0.500	0.086	U
105-60-2	Caprolactam	ND	2.00	0.123	U
59-50-7	4-Chloro-3-methylphenol	ND	0.500	0.103	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.500	0.080	U
77-47-4	Hexachlorocyclopentadiene	ND	0.500	0.153	U
88-06-2	2,4,6-Trichlorophenol	ND	0.500	0.152	U
95-95-4	2,4,5-Trichlorophenol	ND	0.500	0.091	U
92-52-4	Biphenyl	ND	0.500	0.111	U
91-58-7	2-Chloronaphthalene	ND	0.500	0.090	U
88-74-4	2-Nitroaniline	ND	0.500	0.138	U
131-11-3	Dimethylphthalate	ND	0.500	0.117	U
606-20-2	2,6-Dinitrotoluene	ND	0.500	0.168	U
99-09-2	3-Nitroaniline	ND	0.500	0.111	U
51-28-5	2,4-Dinitrophenol	ND	5.00	0.728	U
132-64-9	Dibenzofuran	ND	0.500	0.091	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.500	0.143	U
121-14-2	2,4-Dinitrotoluene	ND	0.500	0.163	U
100-02-7	4-Nitrophenol	ND	2.50	0.590	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.500	0.079	U
84-66-2	Diethylphthalate	ND	0.500	0.180	U
100-01-6	4-Nitroaniline	ND	0.500	0.112	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.00	0.510	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: WG876532-1	Date Collected	: NA
Client ID	: WG876532-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 03/26/16 14:18
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F803251624	Analyst	: ML
Sample Amount	: 1000 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.500	0.128	U
86-30-6	n-Nitrosodiphenylamine	ND	0.500	0.072	U
101-55-3	4-Bromophenyl-phenylether	ND	0.500	0.100	U
118-74-1	Hexachlorobenzene	ND	0.500	0.122	U
1912-24-9	Atrazine	ND	0.500	0.160	U
87-86-5	Pentachlorophenol	ND	2.00	0.430	U
82-68-8	Pentachloronitrobenzene	ND	0.500	0.169	U
86-74-8	Carbazole	ND	0.500	0.143	U
84-74-2	Di-n-butylphthalate	ND	0.500	0.100	U
92-87-5	Benzidine	ND	100	0.464	U
85-68-7	Butylbenzylphthalate	ND	0.500	0.085	U
91-94-1	3,3'-Dichlorobenzidine	ND	0.500	0.193	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.500	0.081	U
117-84-0	Di-n-octylphthalate	ND	1.00	0.079	U

Form 2
Surrogate Recovery
SEMIVOLATILES

Client: Anchor QEA, LLC
Project Name: FORMER GLEN FALLS OU-2

Lab Number: L1607846
Project Number: E50593-01.01
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (NBZ)	S2 (FBP)	S3 (2FP)	S4 (TBP)	S5 (TPH)	S6 (PHL)	TOT OUT
WG876532-3LCSD	98	91	55	113	101	38	0
WG876532-2LCS	98	89	55	114	101	39	0
WG876532-1BLANK	96	94	52	100	112	36	0
SW1A 20160316 (L1607846-01)	79	82	43	108	94	31	0
SW1B 20160316 (L1607846-02)	73	78	39	109	104	27	0
SW1C 20160316 (L1607846-03)	86	81	34	94	97	25	0
SW2A 20160316 (L1607846-04)	75	80	37	106	97	26	0
SW2B 20160316 (L1607846-06)	79	82	37	110	99	26	0
SW2C 20160316 (L1607846-05)	78	80	43	112	96	30	0
SW3A 20160316 (L1607846-07)	78	82	41	105	95	28	0
SW3B 20160316 (L1607846-08)	78	84	39	102	101	26	0
SW3C 20160316 (L1607846-09)	79	80	38	104	96	26	0

	QC LIMITS
NBZ = NITROBENZENE-D5	(30-130)
FBP = 2-FLUOROBIPHENYL	(30-130)
2FP = 2-FLUOROPHENOL	(15-115)
TBP = 2,4,6-TRIBROMOPHENOL)	(15-115)
TPH = TERPHENYL-D14)	(30-130)
PHL = PHENOL-D5)	(15-115)

*** Values outside of QC limits**

Laboratory Control Sample
Form 3

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Matrix	: WATER		
LCS Sample ID	: WG876532-2 Analysis Date : 03/26/16 14:49	File ID	: F803251625
LCSD Sample ID	: WG876532-3 Analysis Date : 03/26/16 15:20	File ID	: F803251626

	Laboratory Control Sample				Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R		True (ug/l)	Found (ug/l)	%R		RPD	Recovery Limits	RPD Limit
n-Nitrosodimethylamine	10	5.63	56		10	5.50	55		2	40-140	20
Pyridine	10	4.62	46		10	4.69	47		2	40-140	20
Benzaldehyde	10	8.44	84		10	8.66	86		2	40-140	20
Aniline	10	7.40	74		10	7.23	72		3	40-140	20
Bis(2-chloroethyl)ether	10	8.78	88		10	8.79	88		0	40-140	20
Phenol	10	4.06	41		10	3.91	39		5	30-130	20
2-Chlorophenol	10	8.31	83		10	8.41	84		1	30-130	20
1,3-Dichlorobenzene	10	8.19	82		10	8.07	81		1	40-140	20
1,4-Dichlorobenzene	10	8.25	82		10	8.16	82		0	40-140	20
1,2-Dichlorobenzene	10	8.34	83		10	8.38	84		1	40-140	20
Bis(2-chloroisopropyl)ether	10	8.53	85		10	8.62	86		1	40-140	20
2-Methylphenol	10	7.73	77		10	7.68	77		0	30-130	20
Acetophenone	10	9.25	92		10	9.08	91		1	40-140	20
Hexachloroethane	10	8.08	81		10	7.87	79		3	40-140	20
N-Nitroso-di-n-propylamine	10	8.92	89		10	8.82	88		1	40-140	20
4-Methylphenol	10	7.66	76		10	7.38	74		3	30-130	20
Nitrobenzene	10	9.36	94		10	9.51	95		1	40-140	20
Isophorone	10	9.55	96		10	9.58	96		0	40-140	20
2-Nitrophenol	10	9.41	94		10	9.78	98		4	40-140	20
2,4-Dimethylphenol	10	8.90	89		10	8.69	87		2	40-140	20
Benzoic Acid	50	13.3	27	Q	50	6.96	14	Q	63 Q	40-140	20
Bis(2-chloroethoxy)methane	10	9.36	94		10	9.28	93		1	40-140	20
2,4-Dichlorophenol	10	9.56	96		10	9.51	95		1	30-130	20
1,2,4-Trichlorobenzene	10	8.65	86		10	8.64	86		0	40-140	20
Naphthalene	10	8.79	88		10	8.90	89		1	40-140	20
4-Chloroaniline	10	8.61	86		10	8.46	85		1	40-140	20
Hexachlorobutadiene	10	8.54	85		10	8.30	83		2	40-140	20
Caprolactam	10	2.85	28	Q	10	2.74	27	Q	4	40-140	20

Laboratory Control Sample
Form 3

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Matrix	: WATER		
LCS Sample ID	: WG876532-2 **Analysis Date :** 03/26/16 14:49	**File ID**	: F803251625
LCSD Sample ID	: WG876532-3 **Analysis Date :** 03/26/16 15:20	**File ID**	: F803251626

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
P-Chloro-M-Cresol	10	9.82	98	10	9.85	98	0	30-130	20
2-Methylnaphthalene	10	9.28	93	10	9.37	94	1	40-140	20
1,2,4,5-Tetrachlorobenzene	10	10.0	100	10	10.0	100	0	40-140	20
Hexachlorocyclopentadiene	10	8.65	86	10	8.48	85	1	40-140	20
2,4,6-Trichlorophenol	10	9.82	98	10	9.73	97	1	30-130	20
2,4,5-Trichlorophenol	10	10.2	102	10	10.2	102	0	30-130	20
Biphenyl	10	9.14	91	10	9.27	93	2	40-140	20
2-Chloronaphthalene	10	9.09	91	10	9.14	91	0	40-140	20
2-Nitroaniline	10	10.8	108	10	11.3	113	5	40-140	20
Acenaphthylene	10	9.27	93	10	9.49	95	2	40-140	20
Dimethylphthalate	10	9.70	97	10	9.87	99	2	40-140	20
2,6-Dinitrotoluene	10	9.89	99	10	10.1	101	2	40-140	20
Acenaphthene	10	9.39	94	10	9.54	95	1	40-140	20
3-Nitroaniline	10	9.30	93	10	9.17	92	1	40-140	20
2,4-Dinitrophenol	10	9.89	99	10	9.67	97	2	30-130	20
Dibenzofuran	10	9.64	96	10	9.82	98	2	40-140	20
2,3,4,6-Tetrachlorophenol	10	11.4	114	10	11.4	114	0	30-130	20
2,4-Dinitrotoluene	10	10.1	101	10	10.0	100	1	40-140	20
4-Nitrophenol	10	4.61	46	10	4.56	46	0	30-130	20
Fluorene	10	9.85	98	10	9.96	100	2	40-140	20
4-Chlorophenyl phenyl ether	10	9.91	99	10	10.0	100	1	40-140	20
Diethylphthalate	10	10.0	100	10	9.97	100	0	40-140	20
4-Nitroaniline	10	9.87	99	10	9.83	98	1	40-140	20
4,6-Dinitro-2-Methylphenol	10	10.4	104	10	10.4	104	0	30-130	20
Azobenzene	10	9.63	96	10	9.79	98	2	40-140	20
NitrosoDiPhenylAmine(NDPA)/DPA	10	10.0	100	10	10.1	101	1	40-140	20
4-Bromophenyl phenyl ether	10	9.60	96	10	9.65	96	0	40-140	20
Hexachlorobenzene	10	9.48	95	10	9.74	97	2	40-140	20

Laboratory Control Sample
Form 3

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Matrix	: WATER		
LCS Sample ID	: WG876532-2	**Analysis Date :** 03/26/16 14:49	**File ID** : F803251625
LCSD Sample ID	: WG876532-3	**Analysis Date :** 03/26/16 15:20	**File ID** : F803251626

	Laboratory Control Sample				Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R		True (ug/l)	Found (ug/l)	%R		RPD	Recovery Limits	RPD Limit
Atrazine	10	10.3	103		10	10.1	101		2	40-140	20
Pentachlorophenol	10	9.24	92		10	9.00	90		2	30-130	20
Phenanthrene	10	9.81	98		10	9.90	99		1	40-140	20
Anthracene	10	9.74	97		10	9.87	99		2	40-140	20
Carbazole	10	10.2	102		10	10.2	102		0	40-140	20
Di-n-butylphthalate	10	10.5	105		10	10.4	104		1	40-140	20
Fluoranthene	10	10.0	100		10	9.92	99		1	40-140	20
Benzidine	25	5.67	23	Q	25	6.22	25	Q	8	40-140	20
Pyrene	10	9.82	98		10	9.79	98		0	40-140	20
Butylbenzylphthalate	10	10.2	102		10	10.2	102		0	40-140	20
3,3'-Dichlorobenzidine	10	8.91	89		10	8.86	89		0	40-140	20
Benz(a)anthracene	10	9.37	94		10	9.27	93		1	40-140	20
Chrysene	10	9.54	95		10	9.68	97		2	40-140	20
Bis(2-Ethylhexyl)phthalate	10	10.2	102		10	10.1	101		1	40-140	20
Di-n-octylphthalate	10	11.1	111		10	11.0	110		1	40-140	20
Benzo(b)fluoranthene	10	10.2	102		10	10.2	102		0	40-140	20
Benzo(k)fluoranthene	10	10.7	107		10	10.9	109		2	40-140	20
Benzo(a)pyrene	10	10.1	101		10	10.2	102		1	40-140	20
Indeno(1,2,3-cd)Pyrene	10	10.0	100		10	9.88	99		1	40-140	20
Dibenz(a,h)anthracene	10	10.2	102		10	10.2	102		0	40-140	20
Benzo(ghi)perylene	10	10.3	103		10	10.4	104		1	40-140	20

Method Blank Summary
Form 4

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab Sample ID	: WG876532-1	**Lab File ID**	: F803251624
Instrument ID	: BNA8	**Extraction Date**	: 03/23/16
Matrix	: WATER	**Analysis Date**	: 03/26/16 14:18
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG876532-2LCS	WG876532-2	03/26/16 14:49
WG876532-3LCSD	WG876532-3	03/26/16 15:20
SW1B 20160316	L1607846-02	03/28/16 15:30
SW2A 20160316	L1607846-04	03/28/16 16:28
SW2C 20160316	L1607846-05	03/28/16 16:58
SW2B 20160316	L1607846-06	03/28/16 17:27
SW3A 20160316	L1607846-07	03/28/16 17:57
SW3B 20160316	L1607846-08	03/28/16 18:26
SW1A 20160316	L1607846-01	03/29/16 16:08
SW3C 20160316	L1607846-09	03/29/16 17:07
SW1C 20160316	L1607846-03	03/30/16 19:09

Instrument Performance Check
Decafluorotriphenylphosphine (DFTPP)
Form 5

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: BNA8	**Analysis Date**	: 03/25/16 16:56
Tune Standard	: WG877805-1	**Tune File ID**	: F803251601_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	24.7
68	Less than 2.0% of mass 69	0.5 (1.6)1
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	45.7
197	Less than 2.0% of mass 198	0.2
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	25
365	Greater than 1.0% of mass 198	2.5
441	Present, but less than 24% of mass 442	14.4
442	Base Peak, or >50% of mass 198	76.8
443	15.0 - 24.0% of mass 442	15.1 (19.7)2

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

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
0.5	R850525-3	F803251602	03/25/16 17:26
1	R850525-5	F803251603	03/25/16 17:57
2	R850525-6	F803251604	03/25/16 18:28
5	R850525-7	F803251605	03/25/16 18:59
10	R850525-4	F803251606	03/25/16 19:30
15	R850525-8	F803251607	03/25/16 20:01
25	R850525-9	F803251608	03/25/16 20:32
50	R850525-10	F803251609	03/25/16 21:03
0.5a	R850525-1	F803251610	03/25/16 21:35
1a	R850525-11	F803251611	03/25/16 22:06
2a	R850525-12	F803251612	03/25/16 22:37
5a	R850525-13	F803251613	03/25/16 23:08
10a	R850525-2	F803251614	03/25/16 23:39
15a	R850525-14	F803251615	03/26/16 00:10
25a	R850525-15	F803251616	03/26/16 00:41
ICV Quant Report	R850525-16	F803251617	03/26/16 01:12
ICV Quant Report	R850525-17	F803251618	03/26/16 01:43
ICV Quant Report	R850525-18	F803251619	03/26/16 02:13
ICV Quant Report	R850525-19	F803251620	03/26/16 02:44

Instrument Performance Check
Decafluorotriphenylphosphine (DFTPP)
Form 5

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: PAH17	**Analysis Date**	: 03/25/16 17:31
Tune Standard	: R850465-1	**Tune File ID**	: F1703251602_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	28.9
68	Less than 2.0% of mass 69	0.6 (1.8)1
70	Less than 2.0% of mass 69	0.2 (.6)1
127	10.0 - 80.0% of Base Peak	46.5
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	23.2
365	Greater than 1.0% of mass 198	2.2
441	Present, but less than 24% of mass 442	14.4
442	Base Peak, or >50% of mass 198	85
443	15.0 - 24.0% of mass 442	17.1 (20.2)2

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

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD 0.5	R850465-2	F1703251603	03/25/16 18:00
STD 1	R850465-6	F1703251604	03/25/16 18:29
STD 2	R850465-7	F1703251605	03/25/16 18:58
STD 5	R850465-8	F1703251606	03/25/16 19:28
STD 10	R850465-3	F1703251607	03/25/16 19:57
STD 15	R850465-9	F1703251608	03/25/16 20:26
STD 25	R850465-10	F1703251609	03/25/16 20:55
STD 50	R850465-11	F1703251610	03/25/16 21:25
STD 0.5a	R850465-4	F1703251611	03/25/16 21:54
STD 1a	R850465-13	F1703251612	03/25/16 22:23
STD 2	R850465-12	F1703251613	03/25/16 22:52
STD 5a	R850465-14	F1703251614	03/25/16 23:21
STD 10a	R850465-5	F1703251615	03/25/16 23:51
STD 15a	R850465-15	F1703251616	03/26/16 00:20
STD 25a	R850465-16	F1703251617	03/26/16 00:49
ICV Quant Report STD 10	R850465-18	F1703251618	03/26/16 01:18
ICV Quant Report STD 10	R850465-17	F1703251619	03/26/16 01:47
ICV Quant Report STD 10	R850465-19	F1703251620	03/26/16 02:16
ICV Quant Report STD 10	R850465-20	F1703251621	03/26/16 02:45

Instrument Performance Check
Decafluorotriphenylphosphine (DFTPP)
Form 5

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: BNA8	**Analysis Date**	: 03/26/16 12:47
Tune Standard	: WG878844-1	**Tune File ID**	: F803251621_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	25.7
68	Less than 2.0% of mass 69	0.5 (1.6)1
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	47.5
197	Less than 2.0% of mass 198	0.1
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	23.6
365	Greater than 1.0% of mass 198	2.3
441	Present, but less than 24% of mass 442	14.2
442	Base Peak, or >50% of mass 198	67
443	15.0 - 24.0% of mass 442	13 (19.4)2

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

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG878844-3CCAL	WG878844-3	F803251622	03/26/16 13:17
WG878844-4CCAL	WG878844-4	F803251623	03/26/16 13:48
WG876532-1BLANK	WG876532-1	F803251624	03/26/16 14:18
WG876532-2LCS	WG876532-2	F803251625	03/26/16 14:49
WG876532-3LCSD	WG876532-3	F803251626	03/26/16 15:20

Instrument Performance Check
Decafluorotriphenylphosphine (DFTPP)
Form 5

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: PAH17	**Analysis Date**	: 03/28/16 10:00
Tune Standard	: WG878844-5	**Tune File ID**	: F1703281601_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	27.4
68	Less than 2.0% of mass 69	0.5 (1.7)1
70	Less than 2.0% of mass 69	0.1 (.5)1
127	10.0 - 80.0% of Base Peak	47.4
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	22
365	Greater than 1.0% of mass 198	2.3
441	Present, but less than 24% of mass 442	14.4
442	Base Peak, or >50% of mass 198	76.1
443	15.0 - 24.0% of mass 442	15.2 (20)2

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

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG878844-7CCAL	WG878844-7	F1703281602	03/28/16 10:29
WG878844-8CCAL	WG878844-8	F1703281603	03/28/16 10:58
SW1B 20160316	L1607846-02	F1703281608	03/28/16 15:30
SW2A 20160316	L1607846-04	F1703281610	03/28/16 16:28
SW2C 20160316	L1607846-05	F1703281611	03/28/16 16:58
SW2B 20160316	L1607846-06	F1703281612	03/28/16 17:27
SW3A 20160316	L1607846-07	F1703281613	03/28/16 17:57
SW3B 20160316	L1607846-08	F1703281614	03/28/16 18:26

Instrument Performance Check
Decafluorotriphenylphosphine (DFTPP)
Form 5

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: PAH17	**Analysis Date**	: 03/29/16 13:34
Tune Standard	: WG878844-9	**Tune File ID**	: F1703291604_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	26.6
68	Less than 2.0% of mass 69	0.5 (1.8)1
70	Less than 2.0% of mass 69	0.1 (.4)1
127	10.0 - 80.0% of Base Peak	47
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	22.4
365	Greater than 1.0% of mass 198	2.2
441	Present, but less than 24% of mass 442	14.4
442	Base Peak, or >50% of mass 198	76
443	15.0 - 24.0% of mass 442	15.5 (20.3)2

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

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG878844-11CCAL	WG878844-11	F1703291605	03/29/16 14:03
WG878844-12CCAL	WG878844-12	F1703291606	03/29/16 14:32
SW1A 20160316	L1607846-01	F1703291608	03/29/16 16:08
SW3C 20160316	L1607846-09	F1703291610	03/29/16 17:07

Instrument Performance Check
Decafluorotriphenylphosphine (DFTPP)
Form 5

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: BNA8	**Analysis Date**	: 03/30/16 17:36
Tune Standard	: WG878844-13	**Tune File ID**	: F803301610_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	23.4
68	Less than 2.0% of mass 69	0.5 (1.6)1
70	Less than 2.0% of mass 69	0.1 (.5)1
127	10.0 - 80.0% of Base Peak	46.6
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 60.0% of Base Peak	24.8
365	Greater than 1.0% of mass 198	2.5
441	Present, but less than 24% of mass 442	14.5
442	Base Peak, or >50% of mass 198	81.1
443	15.0 - 24.0% of mass 442	15.6 (19.2)2

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

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG878844-15CCAL	WG878844-15	F803301611	03/30/16 18:07
WG878844-16CCAL	WG878844-16	F803301612	03/30/16 18:38
SW1C 20160316	L1607846-03	F803301613	03/30/16 19:09

Initial Calibration Summary
Form 6

Client	**: Anchor QEA, LLC**	**Lab Number**	**: L1607846**
Project Name	**: FORMER GLEN FALLS OU-2**	**Project Number**	**: E50593-01.01**
Instrument ID	**: BNA8**	**Ical Ref**	**: ICAL12196**
Calibration dates	**: 03/25/16 17:26 03/26/16 00:41**		

Calibration Files

0.5 =F803251602.D 1 =F803251603.D 2 =F803251604.D 5 =F803251605.D 10 =F803251606.D

15 =F803251607.D 25 =F803251608.D 50 =F803251609.D 0.5a=F803251610.D 1.0a=F803251611.D

2.0a=F803251612.D 5.0a=F803251613.D 10a =F803251614.D 15a =F803251615.D 25a =F803251616.D

		Compound	0.5	1	2	5	10	15	25	50	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
2)	T	N-Nitrosodimethylamine	0.675	0.625	0.624	0.656	0.670	0.655	0.645	0.704	0.657	4.04
3)	t	Pyridine	1.200	1.150	1.200	1.244	1.233	1.218	1.191	1.322	1.220	4.12
4)	S	2-Fluorophenol	1.117	1.065	1.102	1.134	1.168	1.150	1.104	1.043	1.110	3.77
5)	T	Benzaldehyde	0.913	0.855	0.869	0.901	0.895	0.872	0.797		0.872	4.43
6)	T	Aniline	1.651	1.589	1.645	1.646	1.567	1.538	1.480	1.513	1.579	4.15
7)	T	bis(2-Chloroethyl)ether	0.792	0.739	0.746	0.765	0.745	0.710	0.659	0.619	0.722	7.94
8)	S	Phenol-d5	1.360	1.301	1.345	1.393	1.399	1.375	1.299	1.251	1.340	3.89
9)	MC	Phenol	1.481	1.424	1.464	1.520	1.500	1.433	1.324	1.228	1.422	6.95#
10)	M	2-Chlorophenol	1.260	1.203	1.228	1.257	1.269	1.248	1.184	1.149	1.225	3.47
11)	T	1,3-Dichlorobenzene	1.422	1.326	1.349	1.370	1.362	1.322	1.221	1.094	1.308	7.93
12)	MC	1,4-Dichlorobenzene	1.455	1.345	1.365	1.374	1.355	1.299	1.190	1.053	1.305	9.70#
13)	T	1,2-Dichlorobenzene	1.343	1.255	1.286	1.299	1.281	1.245	1.157	0.982	1.231	9.26
14)	T	Benzyl alcohol	0.718	0.693	0.684	0.725	0.742	0.754	0.737	0.728	0.723	3.31
15)	T	bis(2-chloroisopropyl)eth	1.433	1.321	1.310	1.293	1.245	1.177	1.078	0.943	1.225	12.66
16)	T	2-Methylphenol	1.043	0.977	0.992	0.998	0.986	0.967	0.915	0.868	0.968	5.57
17)	T	Acetophenone	1.396	1.337	1.333	1.439	1.446	1.434	1.331		1.388	3.83
18)	T	Hexachloroethane	0.553	0.508	0.521	0.525	0.520	0.508	0.473	0.426	0.504	7.65
19)	MP	N-Nitroso-di-n-propylamin	0.807	0.727	0.741	0.744	0.725	0.714	0.679	0.657	0.724	6.20
20)	T	4-Methylphenol	1.040	0.985	1.017	1.062	1.060	1.027	0.995	1.044	1.029	2.76
21)	I	Naphthalene-d8	----------ISTD----------									
22)	S	Nitrobenzene-d5	0.219	0.216	0.230	0.249	0.250	0.254	0.248	0.252	0.240	6.43
23)	T	Nitrobenzene	0.235	0.235	0.251	0.263	0.264	0.259	0.249	0.236	0.249	4.99
24)	T	Isophorone	0.486	0.462	0.466	0.468	0.459	0.446	0.426	0.364	0.447	8.44
25)	TC	2-Nitrophenol	0.095	0.097	0.115	0.140	0.150	0.156	0.156	0.160	*Q	0.9994
26)	T	2,4-Dimethylphenol	0.263	0.252	0.256	0.256	0.245	0.236	0.221	0.217	0.243	6.95
27)	T	Benzoic acid			0.048	0.091	0.128	0.148	0.166	0.206	*L	0.9917
28)	T	bis(2-Chloroethoxy)methan	0.329	0.316	0.321	0.328	0.322	0.315	0.297	0.282	0.314	5.17
29)	TC	2,4-Dichlorophenol	0.225	0.221	0.236	0.245	0.249	0.244	0.237	0.226	0.235	4.40#
30)	M	1,2,4-Trichlorobenzene	0.268	0.255	0.261	0.263	0.258	0.251	0.236	0.221	0.252	6.28
31)	T	Naphthalene	0.945	0.886	0.888	0.885	0.850	0.802	0.714	0.632	0.825	12.66
32)	T	2-Chloroaniline	0.460	0.443	0.455	0.460	0.451	0.440	0.408	0.346	0.433	8.96
33)	T	4-Chloroaniline	0.369	0.360	0.367	0.376	0.367	0.356	0.334	0.316	0.355	5.74
34)	TC	Hexachlorobutadiene	0.127	0.122	0.124	0.126	0.125	0.123	0.118	0.111	0.122	4.32#
35)	T	Caprolactam	0.079	0.073	0.078	0.087	0.089	0.090	0.088		0.083	8.30
36)	MC	4-Chloro-3-methylphenol	0.224	0.219	0.234	0.237	0.241	0.236	0.222	0.210	0.228	4.71#
37)	T	2-Methylnaphthalene	0.599	0.563	0.577	0.579	0.568	0.529	0.480	0.420	0.539	11.23
38)	I	Acenaphthene-d10	----------ISTD----------									
39)	T	1,2,4,5-Tetrachlorobenzen	0.476	0.453	0.470	0.492	0.479	0.459	0.411	0.370	0.451	9.07
40)	TP	Hexachlorocyclopentadiene	0.202	0.205	0.225	0.260	0.269	0.271	0.258	0.253	0.243	11.61

Initial Calibration Summary
Form 6

Client	**: Anchor QEA, LLC**	**Lab Number**	**: L1607846**
Project Name	**: FORMER GLEN FALLS OU-2**	**Project Number**	**: E50593-01.01**
Instrument ID	**: BNA8**	**Ical Ref**	**: ICAL12196**
Calibration dates	**: 03/25/16 17:26 03/26/16 00:41**		

Calibration Files

0.5 =F803251602.D 1 =F803251603.D 2 =F803251604.D 5 =F803251605.D 10 =F803251606.D

15 =F803251607.D 25 =F803251608.D 50 =F803251609.D 0.5a=F803251610.D 1.0a=F803251611.D

2.0a=F803251612.D 5.0a=F803251613.D 10a =F803251614.D 15a =F803251615.D 25a =F803251616.D

	Compound	0.5	1	2	5	10	15	25	50	Avg	%RSD
41) TC	2,4,6-Trichlorophenol	0.290	0.291	0.323	0.361	0.374	0.375	0.373	0.377	0.345	11.05#
42) T	2,4,5-Trichlorophenol	0.344	0.327	0.340	0.365	0.368	0.365	0.330	0.301	0.342	6.78
43) S	2-Fluorobiphenyl	1.272	1.204	1.221	1.260	1.226	1.163	1.045	0.929	1.165	10.21
44) T	Biphenyl	1.418	1.349	1.385	1.463	1.442	1.350	1.181		1.370	6.87
45) T	2-Chloronaphthalene	1.195	1.127	1.137	1.175	1.140	1.087	0.983	0.886	1.091	9.63
46) T	2-Nitroaniline	0.161	0.164	0.201	0.243	0.257	0.261	0.259	0.272	0.227	19.97
47) T	Acenaphthylene	1.963	1.879	1.912	1.961	1.900	1.787	1.600	1.407	1.801	11.02
48) T	Dimethylphthalate	1.205	1.156	1.156	1.195	1.203	1.181	1.130	1.137	1.170	2.53
49) T	2,6-Dinitrotoluene	0.140	0.152	0.185	0.233	0.261	0.276	0.277	0.308	*Q	0.9993
50) MC	Acenaphthene	1.187	1.134	1.158	1.162	1.128	1.052	0.940	0.844	1.075	11.41#
51) T	3-Nitroaniline	0.162	0.177	0.219	0.272	0.301	0.315	0.318	0.347	*Q	0.9994
52) TP	2,4-Dinitrophenol			0.034	0.073	0.114	0.143	0.170	0.220	*Q	0.9989
53) T	Dibenzofuran	1.550	1.456	1.481	1.498	1.467	1.395	1.239	1.052	1.392	11.91
54)	2,3,4,6-Tetrachlorophenol	0.156	0.162	0.189	0.222	0.237	0.246	0.242	0.252	0.213	18.24
55) M	2,4-Dinitrotoluene	0.145	0.171	0.226	0.310	0.348	0.360	0.341	0.299	*Q	0.9976
56) MP	4-Nitrophenol	0.086	0.094	0.105	0.130	0.138	0.144	0.145	0.162	*L	0.9974
57) T	Fluorene	1.299	1.256	1.254	1.292	1.215	1.087	0.929	0.811	1.143	16.06
58) T	4-Chlorophenyl-phenylethe	0.558	0.530	0.540	0.553	0.523	0.476	0.407	0.356	0.493	15.09
59) T	Diethylphthalate	1.439	1.206	1.234	1.285	1.276	1.242	1.152	1.057	1.236	8.93
60) T	4-Nitroaniline	0.169	0.196	0.239	0.301	0.318	0.331	0.329	0.355	*Q	0.9999
61) I	Phenanthrene-d10	----------ISTD----------									
62) T	4,6-Dinitro-2-methylpheno		0.025	0.037	0.065	0.089	0.103	0.113	0.127	*Q	0.9995
63) T	Azobenzene	0.176	0.170	0.176	0.178	0.181	0.178	0.172	0.162	0.174	3.45
64) TC	n-Nitrosodiphenylamine	0.482	0.454	0.463	0.473	0.472	0.460	0.430	0.394	0.454	6.33#
65) S	2,4,6-Tribromophenol	0.043	0.048	0.055	0.062	0.067	0.070	0.071	0.074	0.061	18.58
66) T	4-Bromophenyl-phenylether	0.155	0.154	0.156	0.160	0.165	0.165	0.159	0.154	0.158	2.86
67) T	Hexachlorobenzene	0.165	0.156	0.161	0.165	0.166	0.163	0.156	0.156	0.161	2.69
68) T	Atrazine	0.147	0.143	0.149	0.169	0.177	0.180	0.172		0.162	9.61
69) MC	Pentachlorophenol	0.066	0.064	0.079	0.107	0.123	0.131	0.134	0.138	*L	0.9996
70) T	Pentachloronitrobenzene	0.035	0.038	0.047	0.057	0.061	0.062	0.062	0.062	*L	0.9999
71) T	Phenanthrene	0.985	0.936	0.947	0.955	0.948	0.906	0.835	0.766	0.910	8.03
72) T	Anthracene	0.987	0.943	0.976	0.991	0.976	0.926	0.848	0.757	0.926	8.93
73) T	Carbazole	0.949	0.911	0.937	0.956	0.950	0.906	0.854	0.787	0.906	6.47
74) T	Di-n-butylphthalate	1.153	1.118	1.169	1.205	1.199	1.147	1.052	0.918	1.120	8.47
75) TC	Fluoranthene	1.004	0.960	0.994	1.019	1.015	0.979	0.905	0.819	0.962	7.11#
76) I	Chrysene-d12	----------ISTD----------									
77) T	Benzidine	0.376	0.450	0.537	0.708	0.776	0.791	0.768		*L	0.9992
78) M	Pyrene	1.112	1.075	1.106	1.130	1.111	1.091	1.020	1.001	1.081	4.30
79) S	Terphenyl-d14	0.641	0.612	0.633	0.660	0.663	0.655	0.626	0.626	0.639	2.88
80) T	Butylbenzylphthalate	0.464	0.478	0.536	0.577	0.583	0.583	0.571	0.575	0.546	8.90

Initial Calibration Summary
Form 6

Client	**: Anchor QEA, LLC**	**Lab Number**	**: L1607846**
Project Name	**: FORMER GLEN FALLS OU-2**	**Project Number**	**: E50593-01.01**
Instrument ID	**: BNA8**	**Ical Ref**	**: ICAL12196**
Calibration dates	**: 03/25/16 17:26 03/26/16 00:41**		

Calibration Files

0.5 =F803251602.D 1 =F803251603.D 2 =F803251604.D 5 =F803251605.D 10 =F803251606.D

15 =F803251607.D 25 =F803251608.D 50 =F803251609.D 0.5a=F803251610.D 1.0a=F803251611.D

2.0a=F803251612.D 5.0a=F803251613.D 10a =F803251614.D 15a =F803251615.D 25a =F803251616.D

		Compound	0.5	1	2	5	10	15	25	50	Avg	%RSD
81)	T	3,3'-Dichlorobenzidine	0.275	0.264	0.296	0.337	0.358	0.368	0.357		0.322	13.36
82)	T	Benz[a]anthracene	1.001	0.950	0.974	1.008	1.009	0.998	0.968	1.000	0.989	2.20
83)	T	Chrysene	0.981	0.932	0.963	0.977	0.977	0.953	0.919	0.913	0.952	2.88
84)	T	bis(2-Ethylhexyl)phthalat	0.618	0.634	0.745	0.778	0.794	0.792	0.762	0.742	0.733	9.40
85)	I	Perylene-d12	----------ISTD----------									
86)	TC	Di-n-octylphthalate	0.927	0.999	1.415	1.411	1.469	1.458	1.339	1.204	1.278	16.62#
87)	T	Benzo[b]fluoranthene	0.852	0.845	0.927	0.979	1.002	0.986	0.939	1.101	0.954	8.75
88)	T	Benzo[k]fluoranthene	0.927	0.906	0.937	0.999	1.009	0.974	0.919	0.739	0.926	9.14
89)	TC	Benzo[a]pyrene	0.842	0.867	0.915	0.971	0.983	0.964	0.911	0.878	0.916	5.70#
90)	T	Indeno[1,2,3-cd]pyrene	0.644	0.660	0.748	0.825	0.881	0.879	0.875	0.970	0.810	14.27
91)	T	Dibenz[a,h]anthracene	0.699	0.706	0.777	0.842	0.887	0.876	0.845	0.835	0.808	9.05
92)	T	Benzo[g,h,i]perylene	0.790	0.761	0.822	0.890	0.922	0.902	0.861	0.872	0.852	6.64

Initial Calibration Summary
Form 6

Client	**: Anchor QEA, LLC**	**Lab Number**	**: L1607846**
Project Name	**: FORMER GLEN FALLS OU-2**	**Project Number**	**: E50593-01.01**
Instrument ID	**: PAH17**	**Ical Ref**	**: ICAL12195**
Calibration dates	**: 03/25/16 18:00 03/26/16 00:49**		

Calibration Files

0.5 =F1703251603.d 1 =F1703251604.d 2 =F1703251605.d 5 =F1703251606.d 10 =F1703251607.d

15 =F1703251608.d 25 =F1703251609.d 50 =F1703251610.d 0.5a=F1703251611.d 1.0a=F1703251612.d

2.0a=F1703251613.d 5.0a=F1703251614.d 10a =F1703251615.d 15a =F1703251616.d 25a =F1703251617.d

		Compound	0.5	1	2	5	10	15	25	50	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
2)	T	N-Nitrosodimethylamine	0.801	0.803	0.812	0.808	0.776	0.758	0.734	0.757	0.781	3.71
3)	t	Pyridine	1.484	1.448	1.463	1.462	1.394	1.358	1.351	1.514	1.434	4.17
4)	S	2-Fluorophenol	1.395	1.328	1.336	1.329	1.266	1.197	1.068	1.064	1.248	10.11
5)	T	Benzaldehyde	1.165	1.097	1.084	1.075	1.029	0.951	0.879		1.040	9.30
6)	T	Aniline	2.236	2.110	2.082	2.025	1.858	1.753	1.692	1.608	1.921	11.72
7)	T	bis(2-Chloroethyl)ether	1.050	0.958	0.974	0.935	0.876	0.818	0.751	0.749	0.889	12.33
8)	S	Phenol-d5	1.804	1.681	1.665	1.631	1.546	1.479	1.358	1.332	1.562	10.53
9)	MC	Phenol	1.916	1.835	1.785	1.736	1.639	1.548	1.399	1.414	1.659	11.60#
10)	M	2-Chlorophenol	1.548	1.410	1.444	1.429	1.354	1.297	1.219	1.228	1.366	8.33
11)	T	1,3-Dichlorobenzene	1.572	1.484	1.459	1.431	1.349	1.279	1.185	1.121	1.360	11.45
12)	MC	1,4-Dichlorobenzene	1.595	1.480	1.476	1.428	1.357	1.285	1.181	1.098	1.362	12.21#
13)	T	1,2-Dichlorobenzene	1.484	1.414	1.404	1.355	1.286	1.220	1.118	0.962	1.280	13.58
14)	T	Benzyl alcohol	1.024	0.948	0.955	0.950	0.908	0.872	0.812	0.755	0.903	9.63
15)	T	bis(2-chloroisopropyl)eth	2.112	1.963	1.917	1.840	1.684	1.581	1.431	1.241	1.721	16.99
16)	T	2-Methylphenol	1.283	1.221	1.212	1.183	1.122	1.076	0.996	0.969	1.133	9.91
17)	T	Acetophenone	1.974	1.824	1.817	1.804	1.726	1.638	1.455		1.748	9.43
18)	T	Hexachloroethane	0.641	0.595	0.596	0.587	0.562	0.541	0.498	0.470	0.561	10.00
19)	MP	N-Nitroso-di-n-propylamin	1.050	0.996	0.968	0.917	0.870	0.842	0.801	0.804	0.906	10.18
20)	T	4-Methylphenol	1.387	1.322	1.308	1.244	1.151	1.108	1.039	1.116	1.209	10.21
21)	I	Naphthalene-d8	----------ISTD----------									
22)	S	Nitrobenzene-d5	0.324	0.307	0.311	0.309	0.301	0.295	0.277	0.280	0.300	5.31
23)	T	Nitrobenzene	0.347	0.328	0.339	0.331	0.316	0.307	0.281	0.275	0.315	8.36
24)	T	Isophorone	0.597	0.566	0.563	0.540	0.511	0.499	0.461	0.418	0.519	11.41
25)	TC	2-Nitrophenol	0.147	0.144	0.157	0.165	0.165	0.165	0.158	0.164	0.158	5.32#
26)	T	2,4-Dimethylphenol	0.323	0.303	0.298	0.283	0.263	0.256	0.237	0.239	0.275	11.41
27)	T	Benzoic acid			0.056	0.116	0.165	0.184	0.207	0.232	*Q	0.9998
28)	T	bis(2-Chloroethoxy)methan	0.421	0.395	0.392	0.379	0.351	0.339	0.317	0.324	0.365	10.26
29)	TC	2,4-Dichlorophenol	0.261	0.256	0.257	0.254	0.239	0.234	0.222	0.219	0.243	6.81#
30)	M	1,2,4-Trichlorobenzene	0.293	0.272	0.272	0.262	0.249	0.241	0.225	0.227	0.255	9.30
31)	T	Naphthalene	1.047	0.980	0.961	0.910	0.844	0.800	0.719	0.670	0.866	15.21
32)	T	2-Chloroaniline	0.533	0.498	0.491	0.469	0.442	0.426	0.390	0.358	0.451	12.98
33)	T	4-Chloroaniline	0.440	0.423	0.422	0.401	0.379	0.362	0.336	0.329	0.386	10.76
34)	TC	Hexachlorobutadiene	0.134	0.126	0.128	0.123	0.118	0.117	0.109	0.112	0.121	6.86#
35)	T	Caprolactam	0.099	0.095	0.101	0.109	0.111	0.110	0.106		0.104	5.84
36)	MC	4-Chloro-3-methylphenol	0.308	0.281	0.286	0.279	0.266	0.259	0.237	0.240	0.269	8.88#
37)	T	2-Methylnaphthalene	0.676	0.628	0.620	0.589	0.543	0.531	0.479	0.469	0.567	12.98
38)	I	Acenaphthene-d10	----------ISTD----------									
39)	T	1,2,4,5-Tetrachlorobenzen	0.488	0.449	0.448	0.435	0.410	0.393	0.370	0.384	0.422	9.42
40)	TP	Hexachlorocyclopentadiene	0.051	0.073	0.103	0.141	0.165	0.174	0.182		*Q	0.9985

Initial Calibration Summary
Form 6

Client	**: Anchor QEA, LLC**	**Lab Number**	**: L1607846**
Project Name	**: FORMER GLEN FALLS OU-2**	**Project Number**	**: E50593-01.01**
Instrument ID	**: PAH17**	**Ical Ref**	**: ICAL12195**
Calibration dates	**: 03/25/16 18:00 03/26/16 00:49**		

Calibration Files

0.5 =F1703251603.d 1 =F1703251604.d 2 =F1703251605.d 5 =F1703251606.d 10 =F1703251607.d

15 =F1703251608.d 25 =F1703251609.d 50 =F1703251610.d 0.5a=F1703251611.d 1.0a=F1703251612.d

2.0a=F1703251613.d 5.0a=F1703251614.d 10a =F1703251615.d 15a =F1703251616.d 25a =F1703251617.d

		Compound	0.5	1	2	5	10	15	25	50	Avg	%RSD
41)	TC	2,4,6-Trichlorophenol	0.323	0.317	0.333	0.337	0.326	0.324	0.320	0.367	0.331	4.86#
42)	T	2,4,5-Trichlorophenol	0.329	0.311	0.327	0.338	0.332	0.318	0.292	0.294	0.318	5.43
43)	S	2-Fluorobiphenyl	1.346	1.244	1.241	1.205	1.123	1.072	0.989	1.010	1.154	10.90
44)	T	Biphenyl	1.665	1.515	1.512	1.520	1.393	1.322	1.167		1.442	11.26
45)	T	2-Chloronaphthalene	1.309	1.197	1.204	1.142	1.069	1.022	0.934	0.956	1.104	11.92
46)	T	2-Nitroaniline	0.298	0.289	0.307	0.333	0.326	0.322	0.309	0.339	0.315	5.60
47)	T	Acenaphthylene	2.091	1.972	1.963	1.853	1.721	1.645	1.498	1.516	1.782	12.42
48)	T	Dimethylphthalate	1.369	1.284	1.287	1.252	1.171	1.151	1.087	1.178	1.222	7.48
49)	T	2,6-Dinitrotoluene	0.225	0.229	0.252	0.280	0.280	0.278	0.274	0.318	0.267	11.45
50)	MC	Acenaphthene	1.353	1.258	1.254	1.190	1.099	1.056	0.958	0.985	1.144	12.40#
51)	T	3-Nitroaniline	0.271	0.277	0.304	0.326	0.328	0.326	0.314	0.348	0.312	8.55
52)	TP	2,4-Dinitrophenol			0.032	0.081	0.122	0.148	0.178	0.233	*Q	0.9994
53)	T	Dibenzofuran	1.695	1.581	1.552	1.455	1.319	1.264	1.140	1.194	1.400	14.33
54)		2,3,4,6-Tetrachlorophenol	0.156	0.164	0.188	0.199	0.211	0.208	0.210	0.237	0.197	13.52
55)	M	2,4-Dinitrotoluene	0.246	0.273	0.318	0.348	0.347	0.344	0.327	0.367	0.321	12.84
56)	MP	4-Nitrophenol		0.103	0.130	0.153	0.162	0.166	0.168	0.193	0.153	19.10
57)	T	Fluorene	1.444	1.351	1.340	1.252	1.141	1.080	0.950	0.904	1.183	16.63
58)	T	4-Chlorophenyl-phenylethe	0.639	0.586	0.585	0.544	0.505	0.476	0.425	0.402	0.520	16.03
59)	T	Diethylphthalate	1.597	1.309	1.317	1.282	1.219	1.183	1.076	1.122	1.263	12.68
60)	T	4-Nitroaniline	0.291	0.301	0.330	0.354	0.357	0.351	0.334	0.366	0.335	8.10
61)	I	Phenanthrene-d10	----------ISTD----------									
62)	T	4,6-Dinitro-2-methylpheno			0.052	0.085	0.107	0.116	0.121	0.133	*L	0.9977
63)	T	Azobenzene	0.229	0.217	0.215	0.208	0.201	0.194	0.182	0.182	0.203	8.32
64)	TC	n-Nitrosodiphenylamine	0.557	0.519	0.518	0.500	0.473	0.458	0.423	0.427	0.484	9.74#
65)	S	2,4,6-Tribromophenol	0.039	0.041	0.046	0.050	0.052	0.053	0.054	0.061	0.050	14.17
66)	T	4-Bromophenyl-phenylether	0.161	0.155	0.154	0.152	0.146	0.144	0.140	0.146	0.150	4.66
67)	T	Hexachlorobenzene	0.152	0.145	0.147	0.147	0.141	0.139	0.137	0.143	0.144	3.39
68)	T	Atrazine	0.190	0.179	0.187	0.188	0.186	0.186	0.173		0.184	3.25
69)	MC	Pentachlorophenol		0.045	0.064	0.083	0.094	0.097	0.101	0.113	*L	0.9960
70)	T	Pentachloronitrobenzene	0.047	0.049	0.055	0.060	0.061	0.060	0.058	0.061	0.056	9.94
71)	T	Phenanthrene	1.148	1.069	1.051	1.013	0.948	0.917	0.838	0.842	0.978	11.37
72)	T	Anthracene	1.176	1.095	1.098	1.051	0.977	0.931	0.865	0.824	1.002	12.32
73)	T	Carbazole	1.083	1.029	1.023	0.986	0.922	0.891	0.806	0.816	0.944	10.80
74)	T	Di-n-butylphthalate	1.273	1.214	1.214	1.188	1.120	1.064	0.971	0.945	1.124	10.72
75)	TC	Fluoranthene	1.140	1.075	1.080	1.051	0.986	0.936	0.873	0.864	1.001	10.22#
76)	I	Chrysene-d12	----------ISTD----------									
77)	T	Benzidine	0.680	0.747	0.813	0.909	0.920	0.911	0.846		0.832	11.08
78)	M	Pyrene	1.354	1.267	1.296	1.283	1.231	1.203	1.150	1.164	1.244	5.59
79)	S	Terphenyl-d14	0.730	0.686	0.696	0.692	0.682	0.669	0.643	0.663	0.683	3.78
80)	T	Butylbenzylphthalate	0.620	0.606	0.637	0.641	0.633	0.617	0.589	0.601	0.618	2.97

Initial Calibration Summary
Form 6

Client	**: Anchor QEA, LLC**	**Lab Number**	**: L1607846**
Project Name	**: FORMER GLEN FALLS OU-2**	**Project Number**	**: E50593-01.01**
Instrument ID	**: PAH17**	**Ical Ref**	**: ICAL12195**
Calibration dates	**: 03/25/16 18:00 03/26/16 00:49**		

Calibration Files

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2.0a=F1703251613.d 5.0a=F1703251614.d 10a =F1703251615.d 15a =F1703251616.d 25a =F1703251617.d

		Compound	0.5	1	2	5	10	15	25	50	Avg	%RSD
81)	T	3,3'-Dichlorobenzidine	0.350	0.324	0.349	0.370	0.374	0.374	0.356		0.357	5.12
82)	T	Benz[a]anthracene	1.109	1.038	1.053	1.059	1.036	1.025	0.989	1.046	1.044	3.25
83)	T	Chrysene	1.118	1.037	1.061	1.045	1.014	0.975	0.950	0.946	1.018	5.81
84)	T	bis(2-Ethylhexyl)phthalat	0.822	0.809	0.847	0.863	0.849	0.820	0.782	0.772	0.821	3.93
85)	I	Perylene-d12	----------ISTD----------									
86)	TC	Di-n-octylphthalate	1.501	1.508	1.620	1.688	1.613	1.544	1.400	1.312	1.523	8.06#
87)	T	Benzo[b]fluoranthene	1.086	1.047	1.066	1.085	1.034	1.050	0.976	1.102	1.056	3.75
88)	T	Benzo[k]fluoranthene	1.096	1.049	1.084	1.071	1.015	0.948	0.923	0.826	1.002	9.46
89)	TC	Benzo[a]pyrene	1.055	1.029	1.050	1.059	0.999	0.968	0.923	0.886	0.996	6.55#
90)	T	Indeno[1,2,3-cd]pyrene	0.872	0.847	0.869	0.883	0.869	0.872	0.836	0.927	0.872	3.10
91)	T	Dibenz[a,h]anthracene	0.876	0.845	0.872	0.880	0.861	0.875	0.837	0.842	0.861	2.02
92)	T	Benzo[g,h,i]perylene	0.918	0.876	0.910	0.915	0.889	0.876	0.839	0.862	0.886	3.15

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	Lab Number	: L1607846	
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01	
Instrument ID	: BNA8	Calibration Date	: 03/26/16 13:17	
Lab File ID	: F803251622	Init. Calib. Date(s)	: 03/25/16	03/26/16
Sample No	: WG878844-3	Init. Calib. Times	: 18:00	00:49
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	0	0	20	91	0
N-Nitrosodimethylamine	0.657	0.663	0	-0.9	20	90	0
Pyridine	1.22	1.235	0	-1.2	20	92	0
2-Fluorophenol	1.11	1.178	0	-6.1	20	92	0
Benzaldehyde	0.872	0	0	100*	20	0	-4.39
Aniline	1.579	1.565	0	0.9	20	91	0
bis(2-Chloroethyl)ether	0.722	0.743	0	-2.9	20	91	0
Phenol-d5	1.34	1.411	0	-5.3	20	92	0
Phenol	1.422	1.501	0	-5.6	20	92	0
2-Chlorophenol	1.225	1.281	0	-4.6	20	92	0
1,3-Dichlorobenzene	1.308	1.381	0	-5.6	20	93	0
1,4-Dichlorobenzene	1.305	1.38	0	-5.7	20	93	0
1,2-Dichlorobenzene	1.231	1.3	0	-5.6	20	93	0
Benzyl alcohol	0.723	0.733	0	-1.4	20	90	0
bis(2-chloroisopropyl)ethe	1.225	1.237	0	-1	20	91	0
2-Methylphenol	0.968	0.964	0	0.4	20	89	0
Acetophenone	1.388	0	0	100*	20	0	-5.11
Hexachloroethane	0.504	0.532	0	-5.6	20	94	0
N-Nitroso-di-n-propylamine	0.724	0.726	0	-0.3	20	92	0
4-Methylphenol	1.029	1.047	0	-1.7	20	90	0
Naphthalene-d8	1	1	0	0	20	89	0
Nitrobenzene-d5	0.24	0.265	0	-10.4	20	95	0
Nitrobenzene	0.249	0.276	0	-10.8	20	94	0
Isophorone	0.447	0.468	0	-4.7	20	91	0
2-Nitrophenol	10	10.93	0	-9.3	20	98	0
2,4-Dimethylphenol	0.243	0.244	0	-0.4	20	89	0
Benzoic acid	10	10.167	0	-1.7	20	101	0
bis(2-Chloroethoxy)methane	0.314	0.328	0	-4.5	20	91	0
2,4-Dichlorophenol	0.235	0.254	0	-8.1	20	92	0
1,2,4-Trichlorobenzene	0.252	0.265	0	-5.2	20	92	0
Naphthalene	0.825	0.882	0	-6.9	20	93	0
2-Chloroaniline	0.433	0.466	0	-7.6	20	93	0
4-Chloroaniline	0.355	0.373	0	-5.1	20	91	0
Hexachlorobutadiene	0.122	0.129	0	-5.7	20	92	0
Caprolactam	0.083	0	0	100*	20	0	-6.3
4-Chloro-3-methylphenol	0.228	0.243	0	-6.6	20	90	0
2-Methylnaphthalene	0.539	0.584	0	-8.3	20	92	0
Acenaphthene-d10	1	1	0	0	20	91	0
1,2,4,5-Tetrachlorobenzene	0.451	0.477	0	-5.8	20	90	0
Hexachlorocyclopentadiene	0.243	0.267	0	-9.9	20	90	0
2,4,6-Trichlorophenol	0.345	0.372	0	-7.8	20	91	0
2,4,5-Trichlorophenol	0.342	0.374	0	-9.4	20	92	0
2-Fluorobiphenyl	1.165	1.24	0	-6.4	20	92	0
Biphenyl	1.37	0	0	100*	20	0	-7.04
2-Chloronaphthalene	1.091	1.144	0	-4.9	20	91	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	Lab Number	: L1607846	
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01	
Instrument ID	: BNA8	Calibration Date	: 03/26/16 13:17	
Lab File ID	: F803251622	Init. Calib. Date(s)	: 03/25/16	03/26/16
Sample No	: WG878844-3	Init. Calib. Times	: 18:00	00:49
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
2-Nitroaniline	0.227	0.267	0	-17.6	20	94	0
Acenaphthylene	1.801	1.924	0	-6.8	20	92	0
Dimethylphthalate	1.17	1.199	0	-2.5	20	91	0
2,6-Dinitrotoluene	10	10.658	0	-6.6	20	96	0
Acenaphthene	1.075	1.132	0	-5.3	20	91	0
3-Nitroaniline	10	10.235	0	-2.3	20	92	0
2,4-Dinitrophenol	10	10.669	0	-6.7	20	105	0
Dibenzofuran	1.392	1.471	0	-5.7	20	91	0
2,3,4,6-Tetrachlorophenol	0.213	0.237	0	-11.3	20	91	0
2,4-Dinitrotoluene	10	10.638	0	-6.4	20	96	0
4-Nitrophenol	10	9.471	0	5.3	20	90	0
Fluorene	1.143	1.225	0	-7.2	20	92	0
4-Chlorophenyl-phenylether	0.493	0.528	0	-7.1	20	92	0
Diethylphthalate	1.236	1.279	0	-3.5	20	91	0
4-Nitroaniline	10	10.194	0	-1.9	20	92	0
Phenanthrene-d10	1	1	0	0	20	89	0
4,6-Dinitro-2-methylphenol	10	10.855	0	-8.6	20	105	0
Azobenzene	0.174	0.181	0	-4	20	89	0
n-Nitrosodiphenylamine	0.454	0.481	0	-5.9	20	90	0
2,4,6-Tribromophenol	0.061	0.069	0	-13.1	20	92	0
4-Bromophenyl-phenylether	0.158	0.166	0	-5.1	20	89	0
Hexachlorobenzene	0.161	0.167	0	-3.7	20	89	0
Atrazine	0.162	0	0	100*	20	0	-9.02
Pentachlorophenol	10	9.925	0	0.7	20	92	0
Pentachloronitrobenzene	10	10.676	0	-6.8	20	94	0
Phenanthrene	0.91	0.968	0	-6.4	20	90	0
Anthracene	0.926	0.985	0	-6.4	20	90	0
Carbazole	0.906	0.95	0	-4.9	20	89	0
Di-n-butylphthalate	1.12	1.207	0	-7.8	20	89	0
Fluoranthene	0.962	1.032	0	-7.3	20	90	0
Chrysene-d12	1	1	0	0	20	86	0
Benzidine	10	0	0	100*	20	0	-11.8
Pyrene	1.081	1.145	0	-5.9	20	89	0
Terphenyl-d14	0.639	0.671	0	-5	20	87	0
Butylbenzylphthalate	0.546	0.59	0	-8.1	20	87	0
3,3'-Dichlorobenzidine	0.322	0	0	100*	20	0	-14.64
Benz[a]anthracene	0.989	0.999	0	-1	20	85	0
Chrysene	0.952	0.997	0	-4.7	20	88	0
bis(2-Ethylhexyl)phthalate	0.733	0.788	0	-7.5	20	86	0
Perylene-d12	1	1	0	0	20	84	0
Di-n-octylphthalate	1.278	1.462	0	-14.4	20	83	0
Benzo[b]fluoranthene	0.954	1.029	0	-7.9	20	86	0
Benzo[k]fluoranthene	0.926	1.043	0	-12.6	20	86	0
Benzo[a]pyrene	0.916	1.015	0	-10.8	20	86	0
Indeno[1,2,3-cd]pyrene	0.81	0.873	0	-7.8	20	83	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846	
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01	
Instrument ID	: BNA8	**Calibration Date**	: 03/26/16 13:17	
Lab File ID	: F803251622	**Init. Calib. Date(s)**	: 03/25/16	03/26/16
Sample No	: WG878844-3	**Init. Calib. Times**	: 18:00	00:49
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibenz[a,h]anthracene	0.808	0.892	0	-10.4	20	84	0
Benzo[g,h,i]perylene	0.852	0.932	0	-9.4	20	84	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	Lab Number	: L1607846	
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01	
Instrument ID	: BNA8	Calibration Date	: 03/26/16 13:48	
Lab File ID	: F803251623	Init. Calib. Date(s)	: 03/25/16	03/26/16
Sample No	: WG878844-4	Init. Calib. Times	: 18:00	00:49
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	0	0	20	102	0
N-Nitrosodimethylamine	0.657	0	0	100*	20	0	-2.79
Pyridine	1.22	0	0	100*	20	0	-2.81
2-Fluorophenol	1.11	0	0	100*	20	0	-3.69
Benzaldehyde	0.872	0.89	0	-2.1	20	88	0
Aniline	1.579	0	0	100*	20	0	-4.47
bis(2-Chloroethyl)ether	0.722	0	0	100*	20	0	-4.52
Phenol-d5	1.34	0	0	100*	20	0	-4.41
Phenol	1.422	0	0	100*	20	0	-4.43
2-Chlorophenol	1.225	0	0	100*	20	0	-4.57
1,3-Dichlorobenzene	1.308	0	0	100*	20	0	-4.7
1,4-Dichlorobenzene	1.305	0	0	100*	20	0	-4.77
1,2-Dichlorobenzene	1.231	0	0	100*	20	0	-4.9
Benzyl alcohol	0.723	0	0	100*	20	0	-4.87
bis(2-chloroisopropyl)ethe	1.225	0	0	100*	20	0	-4.99
2-Methylphenol	0.968	0	0	100*	20	0	-4.95
Acetophenone	1.388	1.459	0	-5.1	20	90	0
Hexachloroethane	0.504	0	0	100*	20	0	-5.2
N-Nitroso-di-n-propylamine	0.724	0	0	100*	20	0	-5.11
4-Methylphenol	1.029	0	0	100*	20	0	-5.09
Naphthalene-d8	1	1	0	0	20	103	0
Nitrobenzene-d5	0.24	0	0	100*	20	0	-5.25
Nitrobenzene	0.249	0	0	100*	20	0	-5.26
Isophorone	0.447	0	0	100*	20	0	-5.48
2-Nitrophenol	10	0	0	100*	20	0	-5.55
2,4-Dimethylphenol	0.243	0	0	100*	20	0	-5.58
Benzoic acid	10	0	0	100*	20	0	-5.67
bis(2-Chloroethoxy)methane	0.314	0	0	100*	20	0	-5.67
2,4-Dichlorophenol	0.235	0	0	100*	20	0	-5.77
1,2,4-Trichlorobenzene	0.252	0	0	100*	20	0	-5.86
Naphthalene	0.825	0	0	100*	20	0	-5.93
2-Chloroaniline	0.433	0	0	100*	20	0	-5.52
4-Chloroaniline	0.355	0	0	100*	20	0	-5.98
Hexachlorobutadiene	0.122	0	0	100*	20	0	-6.05
Caprolactam	0.083	0.087	0	-4.8	20	88	0
4-Chloro-3-methylphenol	0.228	0	0	100*	20	0	-6.43
2-Methylnaphthalene	0.539	0	0	100*	20	0	-6.59
Acenaphthene-d10	1	1	0	0	20	104	0
1,2,4,5-Tetrachlorobenzene	0.451	0	0	100*	20	0	-6.75
Hexachlorocyclopentadiene	0.243	0	0	100*	20	0	-6.74
2,4,6-Trichlorophenol	0.345	0	0	100*	20	0	-6.86
2,4,5-Trichlorophenol	0.342	0	0	100*	20	0	-6.89
2-Fluorobiphenyl	1.165	0	0	100*	20	0	-6.95
Biphenyl	1.37	1.422	0	-3.8	20	90	0
2-Chloronaphthalene	1.091	0	0	100*	20	0	-7.06

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	Lab Number	: L1607846	
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01	
Instrument ID	: BNA8	Calibration Date	: 03/26/16 13:48	
Lab File ID	: F803251623	Init. Calib. Date(s)	: 03/25/16	03/26/16
Sample No	: WG878844-4	Init. Calib. Times	: 18:00	00:49
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
2-Nitroaniline	0.227	0	0	100*	20	0	-7.16
Acenaphthylene	1.801	0	0	100*	20	0	-7.47
Dimethylphthalate	1.17	0	0	100*	20	0	-7.34
2,6-Dinitrotoluene	10	0	0	100*	20	0	-7.4
Acenaphthene	1.075	0	0	100*	20	0	-7.64
3-Nitroaniline	10	0	0	100*	20	0	-7.57
2,4-Dinitrophenol	10	0	0	100*	20	0	-7.67
Dibenzofuran	1.392	0	0	100*	20	0	-7.82
2,3,4,6-Tetrachlorophenol	0.213	0	0	100*	20	0	-7.94
2,4-Dinitrotoluene	10	0	0	100*	20	0	-7.8
4-Nitrophenol	10	0	0	100*	20	0	-7.73
Fluorene	1.143	0	0	100*	20	0	-8.19
4-Chlorophenyl-phenylether	0.493	0	0	100*	20	0	-8.2
Diethylphthalate	1.236	0	0	100*	20	0	-8.07
4-Nitroaniline	10	0	0	100*	20	0	-8.22
Phenanthrene-d10	1	1	0	0	20	102	0
4,6-Dinitro-2-methylphenol	10	0	0	100*	20	0	-8.25
Azobenzene	0.174	0	0	100*	20	0	-8.38
n-Nitrosodiphenylamine	0.454	0	0	100*	20	0	-8.33
2,4,6-Tribromophenol	0.061	0	0	100*	20	0	-8.47
4-Bromophenyl-phenylether	0.158	0	0	100*	20	0	-8.79
Hexachlorobenzene	0.161	0	0	100*	20	0	-8.86
Atrazine	0.162	0.172	0	-6.2	20	88	0
Pentachlorophenol	10	0	0	100*	20	0	-9.13
Pentachloronitrobenzene	10	0	0	100*	20	0	-9.15
Phenanthrene	0.91	0	0	100*	20	0	-9.44
Anthracene	0.926	0	0	100*	20	0	-9.51
Carbazole	0.906	0	0	100*	20	0	-9.76
Di-n-butylphthalate	1.12	0	0	100*	20	0	-10.39
Fluoranthene	0.962	0	0	100*	20	0	-11.48
Chrysene-d12	1	1	0	0	20	97	0
Benzidine	10	9.651	0	3.5	20	85	0
Pyrene	1.081	0	0	100*	20	0	-11.92
Terphenyl-d14	0.639	0	0	100*	20	0	-12.32
Butylbenzylphthalate	0.546	0	0	100*	20	0	-13.51
3,3'-Dichlorobenzidine	0.322	0.345	0	-7.1	20	87	0
Benz[a]anthracene	0.989	0	0	100*	20	0	-14.61
Chrysene	0.952	0	0	100*	20	0	-14.69
bis(2-Ethylhexyl)phthalate	0.733	0	0	100*	20	0	-14.98
Perylene-d12	1	1	0	0	20	91	0
Di-n-octylphthalate	1.278	0	0	100*	20	0	-16.49
Benzo[b]fluoranthene	0.954	0	0	100*	20	0	-16.99
Benzo[k]fluoranthene	0.926	0	0	100*	20	0	-17.05
Benzo[a]pyrene	0.916	0	0	100*	20	0	-17.62
Indeno[1,2,3-cd]pyrene	0.81	0	0	100*	20	0	-19.53

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846	
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01	
Instrument ID	: BNA8	**Calibration Date**	: 03/26/16 13:48	
Lab File ID	: F803251623	**Init. Calib. Date(s)**	: 03/25/16	03/26/16
Sample No	: WG878844-4	**Init. Calib. Times**	: 18:00	00:49
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibenz[a,h]anthracene	0.808	0	0	100*	20	0	-19.58
Benzo[g,h,i]perylene	0.852	0	0	100*	20	0	-19.95

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	Lab Number	: L1607846	
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01	
Instrument ID	: PAH17	Calibration Date	: 03/28/16 10:29	
Lab File ID	: F1703281602	Init. Calib. Date(s)	: 03/25/16	03/26/16
Sample No	: WG878844-7	Init. Calib. Times	: 18:00	00:49
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	0	0	20	92	0
N-Nitrosodimethylamine	0.781	0.657	0	15.9	20	78	0
Pyridine	1.434	1.287	0	10.3	20	85	0
2-Fluorophenol	1.248	1.234	0	1.1	20	90	0
Benzaldehyde	1.04	0	0	100*	20	0	-3.89
Aniline	1.921	1.734	0	9.7	20	86	0
bis(2-Chloroethyl)ether	0.889	0.813	0	8.5	20	85	0
Phenol-d5	1.562	1.477	0	5.4	20	88	0
Phenol	1.659	1.569	0	5.4	20	88	0
2-Chlorophenol	1.366	1.337	0	2.1	20	91	0
1,3-Dichlorobenzene	1.36	1.352	0	0.6	20	92	0
1,4-Dichlorobenzene	1.362	1.356	0	0.4	20	92	0
1,2-Dichlorobenzene	1.28	1.28	0	0	20	92	0
Benzyl alcohol	0.903	0.865	0	4.2	20	88	0
bis(2-chloroisopropyl)ethe	1.721	1.525	0	11.4	20	83	0
2-Methylphenol	1.133	1.084	0	4.3	20	89	0
Acetophenone	1.748	0	0	100*	20	0	-4.61
Hexachloroethane	0.561	0.56	0	0.2	20	92	0
N-Nitroso-di-n-propylamine	0.906	0.813	0	10.3	20	86	0
4-Methylphenol	1.209	1.129	0	6.6	20	90	0
Naphthalene-d8	1	1	0	0	20	91	0
Nitrobenzene-d5	0.3	0.294	0	2	20	89	0
Nitrobenzene	0.315	0.308	0	2.2	20	88	0
Isophorone	0.519	0.489	0	5.8	20	87	0
2-Nitrophenol	0.158	0.173	0	-9.5	20	95	0
2,4-Dimethylphenol	0.275	0.261	0	5.1	20	90	0
Benzoic acid	10	9.542	0	4.6	20	87	0
bis(2-Chloroethoxy)methane	0.365	0.336	0	7.9	20	87	0
2,4-Dichlorophenol	0.243	0.246	0	-1.2	20	93	0
1,2,4-Trichlorobenzene	0.255	0.257	0	-0.8	20	94	0
Naphthalene	0.866	0.839	0	3.1	20	90	0
2-Chloroaniline	0.451	0.441	0	2.2	20	90	0
4-Chloroaniline	0.386	0.372	0	3.6	20	89	0
Hexachlorobutadiene	0.121	0.127	0	-5	20	98	0
Caprolactam	0.104	0	0	100*	20	0	-5.79
4-Chloro-3-methylphenol	0.269	0.261	0	3	20	89	0
2-Methylnaphthalene	0.567	0.551	0	2.8	20	92	0
Acenaphthene-d10	1	1	0	0	20	92	0
1,2,4,5-Tetrachlorobenzene	0.422	0.426	0	-0.9	20	96	0
Hexachlorocyclopentadiene	10	8.989	0	10.1	20	79	0
2,4,6-Trichlorophenol	0.331	0.332	0	-0.3	20	94	0
2,4,5-Trichlorophenol	0.318	0.34	0	-6.9	20	94	0
2-Fluorobiphenyl	1.154	1.118	0	3.1	20	92	0
Biphenyl	1.442	0	0	100*	20	0	-6.54
2-Chloronaphthalene	1.104	1.073	0	2.8	20	93	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	Lab Number	: L1607846	
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01	
Instrument ID	: PAH17	Calibration Date	: 03/28/16 10:29	
Lab File ID	: F1703281602	Init. Calib. Date(s)	: 03/25/16	03/26/16
Sample No	: WG878844-7	Init. Calib. Times	: 18:00	00:49
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
2-Nitroaniline	0.315	0.311	0	1.3	20	88	0
Acenaphthylene	1.782	1.707	0	4.2	20	91	0
Dimethylphthalate	1.222	1.171	0	4.2	20	92	0
2,6-Dinitrotoluene	0.267	0.283	0	-6	20	93	0
Acenaphthene	1.144	1.093	0	4.5	20	92	0
3-Nitroaniline	0.312	0.319	0	-2.2	20	90	0
2,4-Dinitrophenol	10	11.266	0	-12.7	20	113	0
Dibenzofuran	1.4	1.319	0	5.8	20	92	0
2,3,4,6-Tetrachlorophenol	0.197	0.22	0	-11.7	20	96	0
2,4-Dinitrotoluene	0.321	0.356	0	-10.9	20	95	0
4-Nitrophenol	0.153	0.154	0	-0.7	20	87	0
Fluorene	1.183	1.152	0	2.6	20	93	0
4-Chlorophenyl-phenylether	0.52	0.522	0	-0.4	20	95	0
Diethylphthalate	1.263	1.2	0	5	20	91	0
4-Nitroaniline	0.335	0.344	0	-2.7	20	89	0
Phenanthrene-d10	1	1	0	0	20	94	0
4,6-Dinitro-2-methylphenol	10	10.507	0	-5.1	20	106	0
Azobenzene	0.203	0.191	0	5.9	20	90	0
n-Nitrosodiphenylamine	0.484	0.45	0	7	20	90	0
2,4,6-Tribromophenol	0.05	0.056	0	-12	20	101	0
4-Bromophenyl-phenylether	0.15	0.149	0	0.7	20	96	0
Hexachlorobenzene	0.144	0.146	0	-1.4	20	98	0
Atrazine	0.184	0	0	100*	20	0	-8.4
Pentachlorophenol	10	10.106	0	-1.1	20	102	0
Pentachloronitrobenzene	0.056	0.063	0	-12.5	20	96	0
Phenanthrene	0.978	0.929	0	5	20	92	0
Anthracene	1.002	0.952	0	5	20	92	0
Carbazole	0.944	0.875	0	7.3	20	90	0
Di-n-butylphthalate	1.124	1.07	0	4.8	20	90	0
Fluoranthene	1.001	0.961	0	4	20	92	0
Chrysene-d12	1	1	0	0	20	94	.01
Benzidine	0.832	0	0	100*	20	0	-10.97
Pyrene	1.244	1.213	0	2.5	20	93	0
Terphenyl-d14	0.683	0.678	0	0.7	20	94	0
Butylbenzylphthalate	0.618	0.593	0	4	20	88	0
3,3'-Dichlorobenzidine	0.357	0	0	100*	20	0	-13.71
Benz[a]anthracene	1.044	1.003	0	3.9	20	91	0
Chrysene	1.018	0.989	0	2.8	20	92	0
bis(2-Ethylhexyl)phthalate	0.821	0.79	0	3.8	20	88	0
Perylene-d12	1	1	0	0	20	96	0
Di-n-octylphthalate	1.523	1.477	0	3	20	88	0
Benzo[b]fluoranthene	1.056	1.014	0	4	20	94	0
Benzo[k]fluoranthene	1.002	0.996	0	0.6	20	94	0
Benzo[a]pyrene	0.996	0.975	0	2.1	20	93	0
Indeno[1,2,3-cd]pyrene	0.872	0.873	0	-0.1	20	96	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846	
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01	
Instrument ID	: PAH17	**Calibration Date**	: 03/28/16 10:29	
Lab File ID	: F1703281602	**Init. Calib. Date(s)**	: 03/25/16	03/26/16
Sample No	: WG878844-7	**Init. Calib. Times**	: 18:00	00:49
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibenz[a,h]anthracene	0.861	0.839	0	2.6	20	93	0
Benzo[g,h,i]perylene	0.886	0.885	0	0.1	20	95	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	Lab Number	: L1607846	
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01	
Instrument ID	: PAH17	Calibration Date	: 03/28/16 10:58	
Lab File ID	: F1703281603	Init. Calib. Date(s)	: 03/25/16	03/26/16
Sample No	: WG878844-8	Init. Calib. Times	: 18:00	00:49
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	0	0	20	82	0
N-Nitrosodimethylamine	0.781	0	0	100*	20	0	-2.29
Pyridine	1.434	0	0	100*	20	0	-2.29
2-Fluorophenol	1.248	0	0	100*	20	0	-3.2
Benzaldehyde	1.04	1.003	0	3.6	20	79	0
Aniline	1.921	0	0	100*	20	0	-3.98
bis(2-Chloroethyl)ether	0.889	0	0	100*	20	0	-4.03
Phenol-d5	1.562	0	0	100*	20	0	-3.94
Phenol	1.659	0	0	100*	20	0	-3.95
2-Chlorophenol	1.366	0	0	100*	20	0	-4.08
1,3-Dichlorobenzene	1.36	0	0	100*	20	0	-4.21
1,4-Dichlorobenzene	1.362	0	0	100*	20	0	-4.27
1,2-Dichlorobenzene	1.28	0	0	100*	20	0	-4.4
Benzyl alcohol	0.903	0	0	100*	20	0	-4.37
bis(2-chloroisopropyl)ethe	1.721	0	0	100*	20	0	-4.49
2-Methylphenol	1.133	0	0	100*	20	0	-4.47
Acetophenone	1.748	1.633	0	6.6	20	76	0
Hexachloroethane	0.561	0	0	100*	20	0	-4.69
N-Nitroso-di-n-propylamine	0.906	0	0	100*	20	0	-4.62
4-Methylphenol	1.209	0	0	100*	20	0	-4.61
Naphthalene-d8	1	1	0	0	20	78	0
Nitrobenzene-d5	0.3	0	0	100*	20	0	-4.75
Nitrobenzene	0.315	0	0	100*	20	0	-4.76
Isophorone	0.519	0	0	100*	20	0	-4.99
2-Nitrophenol	0.158	0	0	100*	20	0	-5.05
2,4-Dimethylphenol	0.275	0	0	100*	20	0	-5.1
Benzoic acid	10	0	0	100*	20	0	-5.2
bis(2-Chloroethoxy)methane	0.365	0	0	100*	20	0	-5.19
2,4-Dichlorophenol	0.243	0	0	100*	20	0	-5.27
1,2,4-Trichlorobenzene	0.255	0	0	100*	20	0	-5.35
Naphthalene	0.866	0	0	100*	20	0	-5.42
2-Chloroaniline	0.451	0	0	100*	20	0	-5.02
4-Chloroaniline	0.386	0	0	100*	20	0	-5.48
Hexachlorobutadiene	0.121	0	0	100*	20	0	-5.54
Caprolactam	0.104	0.096	0	7.7	20	68	0
4-Chloro-3-methylphenol	0.269	0	0	100*	20	0	-5.94
2-Methylnaphthalene	0.567	0	0	100*	20	0	-6.08
Acenaphthene-d10	1	1	0	0	20	78	0
1,2,4,5-Tetrachlorobenzene	0.422	0	0	100*	20	0	-6.24
Hexachlorocyclopentadiene	10	0	0	100*	20	0	-6.23
2,4,6-Trichlorophenol	0.331	0	0	100*	20	0	-6.35
2,4,5-Trichlorophenol	0.318	0	0	100*	20	0	-6.39
2-Fluorobiphenyl	1.154	0	0	100*	20	0	-6.44
Biphenyl	1.442	1.376	0	4.6	20	77	0
2-Chloronaphthalene	1.104	0	0	100*	20	0	-6.55

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	Lab Number	: L1607846	
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01	
Instrument ID	: PAH17	Calibration Date	: 03/28/16 10:58	
Lab File ID	: F1703281603	Init. Calib. Date(s)	: 03/25/16	03/26/16
Sample No	: WG878844-8	Init. Calib. Times	: 18:00	00:49
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
2-Nitroaniline	0.315	0	0	100*	20	0	-6.66
Acenaphthylene	1.782	0	0	100*	20	0	-6.95
Dimethylphthalate	1.222	0	0	100*	20	0	-6.84
2,6-Dinitrotoluene	0.267	0	0	100*	20	0	-6.9
Acenaphthene	1.144	0	0	100*	20	0	-7.12
3-Nitroaniline	0.312	0	0	100*	20	0	-7.06
2,4-Dinitrophenol	10	0	0	100*	20	0	-7.16
Dibenzofuran	1.4	0	0	100*	20	0	-7.29
2,3,4,6-Tetrachlorophenol	0.197	0	0	100*	20	0	-7.41
2,4-Dinitrotoluene	0.321	0	0	100*	20	0	-7.29
4-Nitrophenol	0.153	0	0	100*	20	0	-7.23
Fluorene	1.183	0	0	100*	20	0	-7.63
4-Chlorophenyl-phenylether	0.52	0	0	100*	20	0	-7.64
Diethylphthalate	1.263	0	0	100*	20	0	-7.54
4-Nitroaniline	0.335	0	0	100*	20	0	-7.66
Phenanthrene-d10	1	1	0	0	20	79	0
4,6-Dinitro-2-methylphenol	10	0	0	100*	20	0	-7.7
Azobenzene	0.203	0	0	100*	20	0	-7.81
n-Nitrosodiphenylamine	0.484	0	0	100*	20	0	-7.76
2,4,6-Tribromophenol	0.05	0	0	100*	20	0	-7.88
4-Bromophenyl-phenylether	0.15	0	0	100*	20	0	-8.17
Hexachlorobenzene	0.144	0	0	100*	20	0	-8.23
Atrazine	0.184	0.175	0	4.9	20	73	0
Pentachlorophenol	10	0	0	100*	20	0	-8.48
Pentachloronitrobenzene	0.056	0	0	100*	20	0	-8.5
Phenanthrene	0.978	0	0	100*	20	0	-8.75
Anthracene	1.002	0	0	100*	20	0	-8.82
Carbazole	0.944	0	0	100*	20	0	-9.06
Di-n-butylphthalate	1.124	0	0	100*	20	0	-9.67
Fluoranthene	1.001	0	0	100*	20	0	-10.65
Chrysene-d12	1	1	0	0	20	74	0
Benzidine	0.832	0.751	0	9.7	20	58	0
Pyrene	1.244	0	0	100*	20	0	-11.06
Terphenyl-d14	0.683	0	0	100*	20	0	-11.47
Butylbenzylphthalate	0.618	0	0	100*	20	0	-12.64
3,3'-Dichlorobenzidine	0.357	0.327	0	8.4	20	62	0
Benz[a]anthracene	1.044	0	0	100*	20	0	-13.67
Chrysene	1.018	0	0	100*	20	0	-13.74
bis(2-Ethylhexyl)phthalate	0.821	0	0	100*	20	0	-14.1
Perylene-d12	1	1	0	0	20	72	0
Di-n-octylphthalate	1.523	0	0	100*	20	0	-15.64
Benzo[b]fluoranthene	1.056	0	0	100*	20	0	-16.08
Benzo[k]fluoranthene	1.002	0	0	100*	20	0	-16.14
Benzo[a]pyrene	0.996	0	0	100*	20	0	-16.72
Indeno[1,2,3-cd]pyrene	0.872	0	0	100*	20	0	-18.67

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846	
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01	
Instrument ID	: PAH17	**Calibration Date**	: 03/28/16 10:58	
Lab File ID	: F1703281603	**Init. Calib. Date(s)**	: 03/25/16	03/26/16
Sample No	: WG878844-8	**Init. Calib. Times**	: 18:00	00:49
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibenz[a,h]anthracene	0.861	0	0	100*	20	0	-18.72
Benzo[g,h,i]perylene	0.886	0	0	100*	20	0	-19.06

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	Lab Number	: L1607846	
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01	
Instrument ID	: PAH17	Calibration Date	: 03/29/16 14:03	
Lab File ID	: F1703291605	Init. Calib. Date(s)	: 03/25/16	03/26/16
Sample No	: WG878844-11	Init. Calib. Times	: 18:00	00:49
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	0	0	20	92	0
N-Nitrosodimethylamine	0.781	0.681	0	12.8	20	81	0
Pyridine	1.434	1.249	0	12.9	20	82	0
2-Fluorophenol	1.248	1.221	0	2.2	20	89	0
Benzaldehyde	1.04	0	0	100*	20	0	-3.82
Aniline	1.921	1.73	0	9.9	20	86	0
bis(2-Chloroethyl)ether	0.889	0.791	0	11	20	83	0
Phenol-d5	1.562	1.467	0	6.1	20	87	0
Phenol	1.659	1.555	0	6.3	20	87	0
2-Chlorophenol	1.366	1.329	0	2.7	20	90	0
1,3-Dichlorobenzene	1.36	1.348	0	0.9	20	92	0
1,4-Dichlorobenzene	1.362	1.358	0	0.3	20	92	0
1,2-Dichlorobenzene	1.28	1.29	0	-0.8	20	92	0
Benzyl alcohol	0.903	0.877	0	2.9	20	89	0
bis(2-chloroisopropyl)ethe	1.721	1.528	0	11.2	20	83	0
2-Methylphenol	1.133	1.091	0	3.7	20	89	0
Acetophenone	1.748	0	0	100*	20	0	-4.54
Hexachloroethane	0.561	0.557	0	0.7	20	91	0
N-Nitroso-di-n-propylamine	0.906	0.826	0	8.8	20	87	0
4-Methylphenol	1.209	1.144	0	5.4	20	91	0
Naphthalene-d8	1	1	0	0	20	92	0
Nitrobenzene-d5	0.3	0.294	0	2	20	90	0
Nitrobenzene	0.315	0.31	0	1.6	20	90	0
Isophorone	0.519	0.489	0	5.8	20	88	0
2-Nitrophenol	0.158	0.175	0	-10.8	20	98	0
2,4-Dimethylphenol	0.275	0.256	0	6.9	20	90	0
Benzoic acid	10	10.423	0	-4.2	20	99	0
bis(2-Chloroethoxy)methane	0.365	0.341	0	6.6	20	89	0
2,4-Dichlorophenol	0.243	0.249	0	-2.5	20	96	0
1,2,4-Trichlorobenzene	0.255	0.261	0	-2.4	20	96	0
Naphthalene	0.866	0.853	0	1.5	20	93	0
2-Chloroaniline	0.451	0.435	0	3.5	20	90	0
4-Chloroaniline	0.386	0.376	0	2.6	20	91	0
Hexachlorobutadiene	0.121	0.126	0	-4.1	20	99	0
Caprolactam	0.104	0	0	100*	20	0	-5.72
4-Chloro-3-methylphenol	0.269	0.263	0	2.2	20	91	0
2-Methylnaphthalene	0.567	0.553	0	2.5	20	94	0
Acenaphthene-d10	1	1	0	0	20	94	0
1,2,4,5-Tetrachlorobenzene	0.422	0.427	0	-1.2	20	98	0
Hexachlorocyclopentadiene	10	11.092	0	-10.9	20	103	0
2,4,6-Trichlorophenol	0.331	0.348	0	-5.1	20	100	0
2,4,5-Trichlorophenol	0.318	0.336	0	-5.7	20	95	0
2-Fluorobiphenyl	1.154	1.133	0	1.8	20	95	0
Biphenyl	1.442	0	0	100*	20	0	-6.46
2-Chloronaphthalene	1.104	1.075	0	2.6	20	95	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	Lab Number	: L1607846	
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01	
Instrument ID	: PAH17	Calibration Date	: 03/29/16 14:03	
Lab File ID	: F1703291605	Init. Calib. Date(s)	: 03/25/16	03/26/16
Sample No	: WG878844-11	Init. Calib. Times	: 18:00	00:49
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
2-Nitroaniline	0.315	0.314	0	0.3	20	91	0
Acenaphthylene	1.782	1.709	0	4.1	20	93	0
Dimethylphthalate	1.222	1.186	0	2.9	20	95	0
2,6-Dinitrotoluene	0.267	0.284	0	-6.4	20	96	0
Acenaphthene	1.144	1.091	0	4.6	20	93	0
3-Nitroaniline	0.312	0.328	0	-5.1	20	94	0
2,4-Dinitrophenol	10	11.951	0	-19.5	20	125	0
Dibenzofuran	1.4	1.344	0	4	20	96	0
2,3,4,6-Tetrachlorophenol	0.197	0.223	0	-13.2	20	99	0
2,4-Dinitrotoluene	0.321	0.364	0	-13.4	20	99	0
4-Nitrophenol	0.153	0.165	0	-7.8	20	96	0
Fluorene	1.183	1.163	0	1.7	20	96	0
4-Chlorophenyl-phenylether	0.52	0.527	0	-1.3	20	98	0
Diethylphthalate	1.263	1.187	0	6	20	92	0
4-Nitroaniline	0.335	0.352	0	-5.1	20	93	0
Phenanthrene-d10	1	1	0	0	20	95	0
4,6-Dinitro-2-methylphenol	10	10.741	0	-7.4	20	109	0
Azobenzene	0.203	0.195	0	3.9	20	92	0
n-Nitrosodiphenylamine	0.484	0.463	0	4.3	20	93	0
2,4,6-Tribromophenol	0.05	0.057	0	-14	20	104	0
4-Bromophenyl-phenylether	0.15	0.152	0	-1.3	20	99	0
Hexachlorobenzene	0.144	0.149	0	-3.5	20	100	0
Atrazine	0.184	0	0	100*	20	0	-8.31
Pentachlorophenol	10	11.123	0	-11.2	20	113	0
Pentachloronitrobenzene	0.056	0.065	0	-16.1	20	100	0
Phenanthrene	0.978	0.938	0	4.1	20	94	0
Anthracene	1.002	0.959	0	4.3	20	93	0
Carbazole	0.944	0.883	0	6.5	20	91	0
Di-n-butylphthalate	1.124	1.068	0	5	20	90	0
Fluoranthene	1.001	0.975	0	2.6	20	94	0
Chrysene-d12	1	1	0	0	20	96	.01
Benzidine	0.832	0	0	100*	20	0	-10.84
Pyrene	1.244	1.191	0	4.3	20	93	0
Terphenyl-d14	0.683	0.668	0	2.2	20	94	0
Butylbenzylphthalate	0.618	0.583	0	5.7	20	88	0
3,3'-Dichlorobenzidine	0.357	0	0	100*	20	0	-13.57
Benz[a]anthracene	1.044	1.002	0	4	20	93	0
Chrysene	1.018	0.978	0	3.9	20	92	0
bis(2-Ethylhexyl)phthalate	0.821	0.772	0	6	20	87	0
Perylene-d12	1	1	0	0	20	95	0
Di-n-octylphthalate	1.523	1.456	0	4.4	20	86	0
Benzo[b]fluoranthene	1.056	1.037	0	1.8	20	95	0
Benzo[k]fluoranthene	1.002	1	0	0.2	20	94	0
Benzo[a]pyrene	0.996	0.982	0	1.4	20	94	0
Indeno[1,2,3-cd]pyrene	0.872	0.858	0	1.6	20	94	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846	
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01	
Instrument ID	: PAH17	**Calibration Date**	: 03/29/16 14:03	
Lab File ID	: F1703291605	**Init. Calib. Date(s)**	: 03/25/16	03/26/16
Sample No	: WG878844-11	**Init. Calib. Times**	: 18:00	00:49
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibenz[a,h]anthracene	0.861	0.829	0	3.7	20	92	0
Benzo[g,h,i]perylene	0.886	0.881	0	0.6	20	94	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	Lab Number	: L1607846	
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01	
Instrument ID	: PAH17	Calibration Date	: 03/29/16 14:32	
Lab File ID	: F1703291606	Init. Calib. Date(s)	: 03/25/16	03/26/16
Sample No	: WG878844-12	Init. Calib. Times	: 18:00	00:49
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	0	0	20	88	0
N-Nitrosodimethylamine	0.781	0	0	100*	20	0	-2.2
Pyridine	1.434	0	0	100*	20	0	-2.19
2-Fluorophenol	1.248	0	0	100*	20	0	-3.12
Benzaldehyde	1.04	0.99	0	4.8	20	83	0
Aniline	1.921	0	0	100*	20	0	-3.9
bis(2-Chloroethyl)ether	0.889	0	0	100*	20	0	-3.96
Phenol-d5	1.562	0	0	100*	20	0	-3.86
Phenol	1.659	0	0	100*	20	0	-3.88
2-Chlorophenol	1.366	0	0	100*	20	0	-3.99
1,3-Dichlorobenzene	1.36	0	0	100*	20	0	-4.12
1,4-Dichlorobenzene	1.362	0	0	100*	20	0	-4.19
1,2-Dichlorobenzene	1.28	0	0	100*	20	0	-4.32
Benzyl alcohol	0.903	0	0	100*	20	0	-4.3
bis(2-chloroisopropyl)ethe	1.721	0	0	100*	20	0	-4.42
2-Methylphenol	1.133	0	0	100*	20	0	-4.4
Acetophenone	1.748	1.655	0	5.3	20	83	0
Hexachloroethane	0.561	0	0	100*	20	0	-4.62
N-Nitroso-di-n-propylamine	0.906	0	0	100*	20	0	-4.54
4-Methylphenol	1.209	0	0	100*	20	0	-4.54
Naphthalene-d8	1	1	0	0	20	84	0
Nitrobenzene-d5	0.3	0	0	100*	20	0	-4.67
Nitrobenzene	0.315	0	0	100*	20	0	-4.69
Isophorone	0.519	0	0	100*	20	0	-4.91
2-Nitrophenol	0.158	0	0	100*	20	0	-4.98
2,4-Dimethylphenol	0.275	0	0	100*	20	0	-5.02
Benzoic acid	10	0	0	100*	20	0	-5.13
bis(2-Chloroethoxy)methane	0.365	0	0	100*	20	0	-5.11
2,4-Dichlorophenol	0.243	0	0	100*	20	0	-5.2
1,2,4-Trichlorobenzene	0.255	0	0	100*	20	0	-5.27
Naphthalene	0.866	0	0	100*	20	0	-5.35
2-Chloroaniline	0.451	0	0	100*	20	0	-4.94
4-Chloroaniline	0.386	0	0	100*	20	0	-5.4
Hexachlorobutadiene	0.121	0	0	100*	20	0	-5.47
Caprolactam	0.104	0.101	0	2.9	20	76	0
4-Chloro-3-methylphenol	0.269	0	0	100*	20	0	-5.87
2-Methylnaphthalene	0.567	0	0	100*	20	0	-6.01
Acenaphthene-d10	1	1	0	0	20	85	0
1,2,4,5-Tetrachlorobenzene	0.422	0	0	100*	20	0	-6.17
Hexachlorocyclopentadiene	10	0	0	100*	20	0	-6.16
2,4,6-Trichlorophenol	0.331	0	0	100*	20	0	-6.28
2,4,5-Trichlorophenol	0.318	0	0	100*	20	0	-6.31
2-Fluorobiphenyl	1.154	0	0	100*	20	0	-6.37
Biphenyl	1.442	1.367	0	5.2	20	83	0
2-Chloronaphthalene	1.104	0	0	100*	20	0	-6.47

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	Lab Number	: L1607846	
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01	
Instrument ID	: PAH17	Calibration Date	: 03/29/16 14:32	
Lab File ID	: F1703291606	Init. Calib. Date(s)	: 03/25/16	03/26/16
Sample No	: WG878844-12	Init. Calib. Times	: 18:00	00:49
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
2-Nitroaniline	0.315	0	0	100*	20	0	-6.58
Acenaphthylene	1.782	0	0	100*	20	0	-6.87
Dimethylphthalate	1.222	0	0	100*	20	0	-6.77
2,6-Dinitrotoluene	0.267	0	0	100*	20	0	-6.83
Acenaphthene	1.144	0	0	100*	20	0	-7.04
3-Nitroaniline	0.312	0	0	100*	20	0	-6.98
2,4-Dinitrophenol	10	0	0	100*	20	0	-7.09
Dibenzofuran	1.4	0	0	100*	20	0	-7.21
2,3,4,6-Tetrachlorophenol	0.197	0	0	100*	20	0	-7.34
2,4-Dinitrotoluene	0.321	0	0	100*	20	0	-7.22
4-Nitrophenol	0.153	0	0	100*	20	0	-7.16
Fluorene	1.183	0	0	100*	20	0	-7.55
4-Chlorophenyl-phenylether	0.52	0	0	100*	20	0	-7.56
Diethylphthalate	1.263	0	0	100*	20	0	-7.47
4-Nitroaniline	0.335	0	0	100*	20	0	-7.58
Phenanthrene-d10	1	1	0	0	20	85	0
4,6-Dinitro-2-methylphenol	10	0	0	100*	20	0	-7.62
Azobenzene	0.203	0	0	100*	20	0	-7.73
n-Nitrosodiphenylamine	0.484	0	0	100*	20	0	-7.69
2,4,6-Tribromophenol	0.05	0	0	100*	20	0	-7.8
4-Bromophenyl-phenylether	0.15	0	0	100*	20	0	-8.09
Hexachlorobenzene	0.144	0	0	100*	20	0	-8.14
Atrazine	0.184	0.18	0	2.2	20	81	0
Pentachlorophenol	10	0	0	100*	20	0	-8.39
Pentachloronitrobenzene	0.056	0	0	100*	20	0	-8.4
Phenanthrene	0.978	0	0	100*	20	0	-8.65
Anthracene	1.002	0	0	100*	20	0	-8.72
Carbazole	0.944	0	0	100*	20	0	-8.96
Di-n-butylphthalate	1.124	0	0	100*	20	0	-9.56
Fluoranthene	1.001	0	0	100*	20	0	-10.52
Chrysene-d12	1	1	0	0	20	87	0
Benzidine	0.832	0.845	0	-1.6	20	77	0
Pyrene	1.244	0	0	100*	20	0	-10.93
Terphenyl-d14	0.683	0	0	100*	20	0	-11.34
Butylbenzylphthalate	0.618	0	0	100*	20	0	-12.5
3,3'-Dichlorobenzidine	0.357	0.355	0	0.6	20	79	0
Benz[a]anthracene	1.044	0	0	100*	20	0	-13.51
Chrysene	1.018	0	0	100*	20	0	-13.59
bis(2-Ethylhexyl)phthalate	0.821	0	0	100*	20	0	-13.96
Perylene-d12	1	1	0	0	20	85	0
Di-n-octylphthalate	1.523	0	0	100*	20	0	-15.5
Benzo[b]fluoranthene	1.056	0	0	100*	20	0	-15.92
Benzo[k]fluoranthene	1.002	0	0	100*	20	0	-15.98
Benzo[a]pyrene	0.996	0	0	100*	20	0	-16.56
Indeno[1,2,3-cd]pyrene	0.872	0	0	100*	20	0	-18.52

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846	
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01	
Instrument ID	: PAH17	**Calibration Date**	: 03/29/16 14:32	
Lab File ID	: F1703291606	**Init. Calib. Date(s)**	: 03/25/16	03/26/16
Sample No	: WG878844-12	**Init. Calib. Times**	: 18:00	00:49
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibenz[a,h]anthracene	0.861	0	0	100*	20	0	-18.58
Benzo[g,h,i]perylene	0.886	0	0	100*	20	0	-18.91

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	Lab Number	: L1607846	
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01	
Instrument ID	: BNA8	Calibration Date	: 03/30/16 18:07	
Lab File ID	: F803301611	Init. Calib. Date(s)	: 03/25/16	03/26/16
Sample No	: WG878844-15	Init. Calib. Times	: 18:00	00:49
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	0	0	20	82	0
N-Nitrosodimethylamine	0.657	0.568	0	13.5	20	70	0
Pyridine	1.22	1.086	0	11	20	73	0
2-Fluorophenol	1.11	1.114	0	-0.4	20	79	0
Benzaldehyde	0.872	0	0	100*	20	0	-4.23
Aniline	1.579	1.583	0	-0.3	20	83	0
bis(2-Chloroethyl)ether	0.722	0.642	0	11.1	20	71	0
Phenol-d5	1.34	1.315	0	1.9	20	77	0
Phenol	1.422	1.34	0	5.8	20	74	0
2-Chlorophenol	1.225	1.216	0	0.7	20	79	0
1,3-Dichlorobenzene	1.308	1.326	0	-1.4	20	80	0
1,4-Dichlorobenzene	1.305	1.303	0	0.2	20	79	0
1,2-Dichlorobenzene	1.231	1.249	0	-1.5	20	80	0
Benzyl alcohol	0.723	0.737	0	-1.9	20	82	0
bis(2-chloroisopropyl)ethe	1.225	0.986	0	19.5	20	65	0
2-Methylphenol	0.968	0.941	0	2.8	20	79	0
Acetophenone	1.388	0	0	100*	20	0	-4.94
Hexachloroethane	0.504	0.497	0	1.4	20	79	0
N-Nitroso-di-n-propylamine	0.724	0.655	0	9.5	20	75	0
4-Methylphenol	1.029	0.981	0	4.7	20	76	0
Naphthalene-d8	1	1	0	0	20	81	0
Nitrobenzene-d5	0.24	0.269	0	-12.1	20	87	0
Nitrobenzene	0.249	0.26	0	-4.4	20	80	0
Isophorone	0.447	0.429	0	4	20	76	0
2-Nitrophenol	10	11.529	0	-15.3	20	94	0
2,4-Dimethylphenol	0.243	0.257	0	-5.8	20	85	0
Benzoic acid	10	11.687	0	-16.9	20	112	0
bis(2-Chloroethoxy)methane	0.314	0.302	0	3.8	20	76	0
2,4-Dichlorophenol	0.235	0.253	0	-7.7	20	83	0
1,2,4-Trichlorobenzene	0.252	0.261	0	-3.6	20	82	0
Naphthalene	0.825	0.821	0	0.5	20	78	0
2-Chloroaniline	0.433	0.463	0	-6.9	20	83	0
4-Chloroaniline	0.355	0.373	0	-5.1	20	82	0
Hexachlorobutadiene	0.122	0.133	0	-9	20	87	0
Caprolactam	0.083	0	0	100*	20	0	-6.12
4-Chloro-3-methylphenol	0.228	0.24	0	-5.3	20	81	0
2-Methylnaphthalene	0.539	0.571	0	-5.9	20	82	0
Acenaphthene-d10	1	1	0	0	20	86	0
1,2,4,5-Tetrachlorobenzene	0.451	0.486	0	-7.8	20	88	0
Hexachlorocyclopentadiene	0.243	0.261	0	-7.4	20	84	0
2,4,6-Trichlorophenol	0.345	0.357	0	-3.5	20	83	0
2,4,5-Trichlorophenol	0.342	0.372	0	-8.8	20	87	0
2-Fluorobiphenyl	1.165	1.213	0	-4.1	20	86	0
Biphenyl	1.37	0	0	100*	20	0	-6.87
2-Chloronaphthalene	1.091	1.083	0	0.7	20	82	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	Lab Number	: L1607846	
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01	
Instrument ID	: BNA8	Calibration Date	: 03/30/16 18:07	
Lab File ID	: F803301611	Init. Calib. Date(s)	: 03/25/16	03/26/16
Sample No	: WG878844-15	Init. Calib. Times	: 18:00	00:49
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
2-Nitroaniline	0.227	0.268	0	-18.1	20	90	0
Acenaphthylene	1.801	1.822	0	-1.2	20	83	0
Dimethylphthalate	1.17	1.181	0	-0.9	20	85	0
2,6-Dinitrotoluene	10	11.175	0	-11.8	20	96	0
Acenaphthene	1.075	1.053	0	2	20	81	0
3-Nitroaniline	10	11.052	0	-10.5	20	95	0
2,4-Dinitrophenol	10	13.425	0	-34.3*	20	136	0
Dibenzofuran	1.392	1.412	0	-1.4	20	83	0
2,3,4,6-Tetrachlorophenol	0.213	0.266	0	-24.9*	20	97	0
2,4-Dinitrotoluene	10	10.862	0	-8.6	20	94	0
4-Nitrophenol	10	9.822	0	1.8	20	89	0
Fluorene	1.143	1.138	0	0.4	20	81	0
4-Chlorophenyl-phenylether	0.493	0.497	0	-0.8	20	82	0
Diethylphthalate	1.236	1.228	0	0.6	20	83	0
4-Nitroaniline	10	10.713	0	-7.1	20	92	0
Phenanthrene-d10	1	1	0	0	20	90	0
4,6-Dinitro-2-methylphenol	10	11.834	0	-18.3	20	117	0
Azobenzene	0.174	0.172	0	1.1	20	85	0
n-Nitrosodiphenylamine	0.454	0.431	0	5.1	20	82	0
2,4,6-Tribromophenol	0.061	0.072	0	-18	20	96	0
4-Bromophenyl-phenylether	0.158	0.161	0	-1.9	20	88	0
Hexachlorobenzene	0.161	0.161	0	0	20	87	0
Atrazine	0.162	0	0	100*	20	0	-8.8
Pentachlorophenol	10	10.228	0	-2.3	20	96	0
Pentachloronitrobenzene	10	11.249	0	-12.5	20	100	0
Phenanthrene	0.91	0.88	0	3.3	20	83	0
Anthracene	0.926	0.904	0	2.4	20	83	0
Carbazole	0.906	0.886	0	2.2	20	84	0
Di-n-butylphthalate	1.12	1.094	0	2.3	20	82	0
Fluoranthene	0.962	0.937	0	2.6	20	83	0
Chrysene-d12	1	1	0	0	20	90	0
Benzidine	10	0	0	100*	20	0	-11.51
Pyrene	1.081	1.044	0	3.4	20	84	0
Terphenyl-d14	0.639	0.649	0	-1.6	20	88	0
Butylbenzylphthalate	0.546	0.549	0	-0.5	20	84	0
3,3'-Dichlorobenzidine	0.322	0	0	100*	20	0	-14.31
Benz[a]anthracene	0.989	0.95	0	3.9	20	84	0
Chrysene	0.952	0.918	0	3.6	20	84	0
bis(2-Ethylhexyl)phthalate	0.733	0.728	0	0.7	20	82	0
Perylene-d12	1	1	0	0	20	93	0
Di-n-octylphthalate	1.278	1.342	0	-5	20	85	0
Benzo[b]fluoranthene	0.954	0.951	0	0.3	20	89	0
Benzo[k]fluoranthene	0.926	0.906	0	2.2	20	84	0
Benzo[a]pyrene	0.916	0.904	0	1.3	20	86	0
Indeno[1,2,3-cd]pyrene	0.81	0.84	0	-3.7	20	89	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846	
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01	
Instrument ID	: BNA8	**Calibration Date**	: 03/30/16 18:07	
Lab File ID	: F803301611	**Init. Calib. Date(s)**	: 03/25/16	03/26/16
Sample No	: WG878844-15	**Init. Calib. Times**	: 18:00	00:49
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibenz[a,h]anthracene	0.808	0.83	0	-2.7	20	87	0
Benzo[g,h,i]perylene	0.852	0.874	0	-2.6	20	89	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	Lab Number	: L1607846	
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01	
Instrument ID	: BNA8	Calibration Date	: 03/30/16 18:38	
Lab File ID	: F803301612	Init. Calib. Date(s)	: 03/25/16	03/26/16
Sample No	: WG878844-16	Init. Calib. Times	: 18:00	00:49
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	0	0	20	95	0
N-Nitrosodimethylamine	0.657	0	0	100*	20	0	-2.62
Pyridine	1.22	0	0	100*	20	0	-2.62
2-Fluorophenol	1.11	0	0	100*	20	0	-3.53
Benzaldehyde	0.872	0.744	0	14.7	20	69	0
Aniline	1.579	0	0	100*	20	0	-4.31
bis(2-Chloroethyl)ether	0.722	0	0	100*	20	0	-4.36
Phenol-d5	1.34	0	0	100*	20	0	-4.26
Phenol	1.422	0	0	100*	20	0	-4.27
2-Chlorophenol	1.225	0	0	100*	20	0	-4.4
1,3-Dichlorobenzene	1.308	0	0	100*	20	0	-4.54
1,4-Dichlorobenzene	1.305	0	0	100*	20	0	-4.6
1,2-Dichlorobenzene	1.231	0	0	100*	20	0	-4.73
Benzyl alcohol	0.723	0	0	100*	20	0	-4.7
bis(2-chloroisopropyl)ethe	1.225	0	0	100*	20	0	-4.82
2-Methylphenol	0.968	0	0	100*	20	0	-4.79
Acetophenone	1.388	1.332	0	4	20	77	0
Hexachloroethane	0.504	0	0	100*	20	0	-5.03
N-Nitroso-di-n-propylamine	0.724	0	0	100*	20	0	-4.94
4-Methylphenol	1.029	0	0	100*	20	0	-4.93
Naphthalene-d8	1	1	0	0	20	94	0
Nitrobenzene-d5	0.24	0	0	100*	20	0	-5.08
Nitrobenzene	0.249	0	0	100*	20	0	-5.09
Isophorone	0.447	0	0	100*	20	0	-5.31
2-Nitrophenol	10	0	0	100*	20	0	-5.39
2,4-Dimethylphenol	0.243	0	0	100*	20	0	-5.42
Benzoic acid	10	0	0	100*	20	0	-5.51
bis(2-Chloroethoxy)methane	0.314	0	0	100*	20	0	-5.51
2,4-Dichlorophenol	0.235	0	0	100*	20	0	-5.6
1,2,4-Trichlorobenzene	0.252	0	0	100*	20	0	-5.68
Naphthalene	0.825	0	0	100*	20	0	-5.76
2-Chloroaniline	0.433	0	0	100*	20	0	-5.35
4-Chloroaniline	0.355	0	0	100*	20	0	-5.81
Hexachlorobutadiene	0.122	0	0	100*	20	0	-5.87
Caprolactam	0.083	0.083	0	0	20	77	0
4-Chloro-3-methylphenol	0.228	0	0	100*	20	0	-6.27
2-Methylnaphthalene	0.539	0	0	100*	20	0	-6.42
Acenaphthene-d10	1	1	0	0	20	99	0
1,2,4,5-Tetrachlorobenzene	0.451	0	0	100*	20	0	-6.58
Hexachlorocyclopentadiene	0.243	0	0	100*	20	0	-6.57
2,4,6-Trichlorophenol	0.345	0	0	100*	20	0	-6.69
2,4,5-Trichlorophenol	0.342	0	0	100*	20	0	-6.72
2-Fluorobiphenyl	1.165	0	0	100*	20	0	-6.77
Biphenyl	1.37	1.288	0	6	20	77	0
2-Chloronaphthalene	1.091	0	0	100*	20	0	-6.89

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	Lab Number	: L1607846	
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01	
Instrument ID	: BNA8	Calibration Date	: 03/30/16 18:38	
Lab File ID	: F803301612	Init. Calib. Date(s)	: 03/25/16	03/26/16
Sample No	: WG878844-16	Init. Calib. Times	: 18:00	00:49
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
2-Nitroaniline	0.227	0	0	100*	20	0	-6.99
Acenaphthylene	1.801	0	0	100*	20	0	-7.29
Dimethylphthalate	1.17	0	0	100*	20	0	-7.17
2,6-Dinitrotoluene	10	0	0	100*	20	0	-7.23
Acenaphthene	1.075	0	0	100*	20	0	-7.46
3-Nitroaniline	10	0	0	100*	20	0	-7.39
2,4-Dinitrophenol	10	0	0	100*	20	0	-7.49
Dibenzofuran	1.392	0	0	100*	20	0	-7.63
2,3,4,6-Tetrachlorophenol	0.213	0	0	100*	20	0	-7.76
2,4-Dinitrotoluene	10	0	0	100*	20	0	-7.63
4-Nitrophenol	10	0	0	100*	20	0	-7.55
Fluorene	1.143	0	0	100*	20	0	-7.99
4-Chlorophenyl-phenylether	0.493	0	0	100*	20	0	-8
Diethylphthalate	1.236	0	0	100*	20	0	-7.89
4-Nitroaniline	10	0	0	100*	20	0	-8.02
Phenanthrene-d10	1	1	0	0	20	101	0
4,6-Dinitro-2-methylphenol	10	0	0	100*	20	0	-8.05
Azobenzene	0.174	0	0	100*	20	0	-8.18
n-Nitrosodiphenylamine	0.454	0	0	100*	20	0	-8.13
2,4,6-Tribromophenol	0.061	0	0	100*	20	0	-8.27
4-Bromophenyl-phenylether	0.158	0	0	100*	20	0	-8.57
Hexachlorobenzene	0.161	0	0	100*	20	0	-8.64
Atrazine	0.162	0.164	0	-1.2	20	83	0
Pentachlorophenol	10	0	0	100*	20	0	-8.9
Pentachloronitrobenzene	10	0	0	100*	20	0	-8.92
Phenanthrene	0.91	0	0	100*	20	0	-9.2
Anthracene	0.926	0	0	100*	20	0	-9.27
Carbazole	0.906	0	0	100*	20	0	-9.51
Di-n-butylphthalate	1.12	0	0	100*	20	0	-10.13
Fluoranthene	0.962	0	0	100*	20	0	-11.18
Chrysene-d12	1	1	0	0	20	102	0
Benzidine	10	9.623	0	3.8	20	89	0
Pyrene	1.081	0	0	100*	20	0	-11.61
Terphenyl-d14	0.639	0	0	100*	20	0	-12.02
Butylbenzylphthalate	0.546	0	0	100*	20	0	-13.2
3,3'-Dichlorobenzidine	0.322	0.333	0	-3.4	20	88	0
Benz[a]anthracene	0.989	0	0	100*	20	0	-14.27
Chrysene	0.952	0	0	100*	20	0	-14.35
bis(2-Ethylhexyl)phthalate	0.733	0	0	100*	20	0	-14.66
Perylene-d12	1	1	0	0	20	105	0
Di-n-octylphthalate	1.278	0	0	100*	20	0	-16.19
Benzo[b]fluoranthene	0.954	0	0	100*	20	0	-16.66
Benzo[k]fluoranthene	0.926	0	0	100*	20	0	-16.72
Benzo[a]pyrene	0.916	0	0	100*	20	0	-17.29
Indeno[1,2,3-cd]pyrene	0.81	0	0	100*	20	0	-19.21

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846	
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01	
Instrument ID	: BNA8	**Calibration Date**	: 03/30/16 18:38	
Lab File ID	: F803301612	**Init. Calib. Date(s)**	: 03/25/16	03/26/16
Sample No	: WG878844-16	**Init. Calib. Times**	: 18:00	00:49
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibenz[a,h]anthracene	0.808	0	0	100*	20	0	-19.27
Benzo[g,h,i]perylene	0.852	0	0	100*	20	0	-19.61

* Value outside of QC limits.

Internal Standard Area and RT Summary
Form 8

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: BNA8	**Analysis Date**	: 03/26/16 13:17
Sample No	: WG878844-3	**Lab File ID**	: F803251622

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG878844-3	506077	4.76	1867814	5.91	869047	7.61
Upper Limit	1012154	5.26	3735628	6.41	1738094	8.11
Lower Limit	253039	4.26	933907	5.41	434524	7.11
Sample ID						
WG878844-4 CCAL	562797	4.75	2160488	5.91	997366	7.61
WG876532-1 BLANK	544111	4.76	2033383	5.91	931970	7.61
WG876532-2 LCS	524423	4.76	1929957	5.91	878440	7.61
WG876532-3 LCSD	491189	4.76	1805815	5.91	826380	7.61

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: BNA8	**Analysis Date**	: 03/26/16 13:17
Sample No	: WG878844-3	**Lab File ID**	: F803251622

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG878844-3	1582887	9.40	1458258	14.63	1324591	17.71
Upper Limit	3165774	9.90	2916516	15.13	2649182	18.21
Lower Limit	791444	8.90	729129	14.13	662296	17.21
Sample ID						
WG878844-4 CCAL	1816917	9.40	1639577	14.62	1435915	17.71
WG876532-1 BLANK	1672437	9.40	1442290	14.62	1306589	17.70
WG876532-2 LCS	1603529	9.40	1524916	14.63	1342160	17.71
WG876532-3 LCSD	1505534	9.40	1425089	14.63	1242514	17.71

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: PAH17	**Analysis Date**	: 03/28/16 10:29
Sample No	: WG878844-7	**Lab File ID**	: F1703281602

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG878844-7	445585	4.25	1808964	5.40	889211	7.09
Upper Limit	891170	4.75	3617928	5.90	1778422	7.59
Lower Limit	222793	3.75	904482	4.90	444606	6.59
Sample ID						
WG878844-8 CCAL	397369	4.25	1566900	5.40	753712	7.09
SW1B 20160316	345274	4.25	1338385	5.40	634319	7.09
SW2A 20160316	348799	4.25	1364801	5.40	654486	7.09
SW2C 20160316	461369	4.25	1839027	5.40	889255	7.09
SW2B 20160316	389536	4.25	1509104	5.40	733835	7.09
SW3A 20160316	369565	4.25	1458924	5.40	694848	7.09
SW3B 20160316	328696	4.25	1285808	5.40	610703	7.09

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: PAH17	**Analysis Date**	: 03/28/16 10:29
Sample No	: WG878844-7	**Lab File ID**	: F1703281602

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG878844-7	1666037	8.72	1378308	13.69	1300528	16.82
Upper Limit	3332074	9.22	2756616	14.19	2601056	17.32
Lower Limit	833019	8.22	689154	13.19	650264	16.32
Sample ID						
WG878844-8 CCAL	1389299	8.72	1077106	13.67	979034	16.81
SW1B 20160316	1103386	8.72	760990	13.67	738355	16.81
SW2A 20160316	1137391	8.72	901132	13.67	816246	16.81
SW2C 20160316	1643036	8.72	1410210	13.68	1291641	16.81
SW2B 20160316	1306175	8.72	1024511	13.67	977808	16.81
SW3A 20160316	1209668	8.72	917016	13.67	858231	16.81
SW3B 20160316	1051315	8.72	750605	13.67	732092	16.81

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: PAH17	**Analysis Date**	: 03/29/16 14:03
Sample No	: WG878844-11	**Lab File ID**	: F1703291605

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG878844-11	445131	4.18	1836154	5.32	907143	7.01
Upper Limit	890262	4.68	3672308	5.82	1814286	7.51
Lower Limit	222566	3.68	918077	4.82	453572	6.51
Sample ID						
WG878844-12 CCAL	425544	4.18	1674662	5.32	818905	7.01
SW1A 20160316	395041	4.18	1544376	5.32	744039	7.01
SW3C 20160316	434279	4.18	1744765	5.32	846218	7.01

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: PAH17	**Analysis Date**	: 03/29/16 14:03
Sample No	: WG878844-11	**Lab File ID**	: F1703291605

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG878844-11	1672710	8.62	1402545	13.53	1295889	16.67
Upper Limit	3345420	9.12	2805090	14.03	2591778	17.17
Lower Limit	836355	8.12	701273	13.03	647945	16.17
Sample ID						
WG878844-12 CCAL	1503779	8.62	1266756	13.52	1159568	16.66
SW1A 20160316	1350441	8.62	1115774	13.52	999654	16.66
SW3C 20160316	1567287	8.61	1352804	13.52	1222792	16.66

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: BNA8	**Analysis Date**	: 03/30/16 18:07
Sample No	: WG878844-15	**Lab File ID**	: F803301611

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG878844-15	456049	4.58	1693788	5.74	827565	7.43
Upper Limit	912098	5.08	3387576	6.24	1655130	7.93
Lower Limit	228025	4.08	846894	5.24	413783	6.93
Sample ID						
WG878844-16 CCAL	526673	4.59	1967787	5.74	945138	7.43
SW1C 20160316	561568	4.58	2084600	5.74	988670	7.43

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: BNA8	**Analysis Date**	: 03/30/16 18:07
Sample No	: WG878844-15	**Lab File ID**	: F803301611

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG878844-15	1602534	9.16	1514434	14.29	1482062	17.40
Upper Limit	3205068	9.66	3028868	14.79	2964124	17.90
Lower Limit	801267	8.66	757217	13.79	741031	16.90
Sample ID						
WG878844-16 CCAL	1806282	9.16	1724109	14.28	1665402	17.39
SW1C 20160316	1857693	9.16	1733202	14.28	1676996	17.39

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-01	Date Collected	: 03/16/16 10:20
Client ID	: SW1A 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/25/16 14:48
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F503251609	Analyst	: SF
Sample Amount	: 970 ml	Instrument ID	: PAH5
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	5.23	10.3	1.82	J
91-57-6	2-Methylnaphthalene	1.42	10.3	1.09	J
208-96-8	Acenaphthylene	ND	10.3	1.82	U
83-32-9	Acenaphthene	ND	10.3	1.66	U
86-73-7	Fluorene	ND	10.3	1.78	U
85-01-8	Phenanthrene	2.33	10.3	1.95	J
120-12-7	Anthracene	ND	10.3	2.00	U
206-44-0	Fluoranthene	1.63	10.3	1.54	J
129-00-0	Pyrene	ND	10.3	1.57	U
56-55-3	Benz(a)anthracene	ND	10.3	1.78	U
218-01-9	Chrysene	ND	10.3	0.965	U
205-99-2	Benzo(b)fluoranthene	ND	10.3	1.52	U
207-08-9	Benzo(k)fluoranthene	ND	10.3	1.21	U
50-32-8	Benzo(a)pyrene	ND	10.3	0.866	U
193-39-5	Indeno(1,2,3-cd)pyrene	7.12	10.3	0.549	J
53-70-3	Dibenz(a,h)anthracene	5.18	10.3	0.706	J
191-24-2	Benzo(g,h,i)perylene	ND	10.3	1.35	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-02	Date Collected	: 03/16/16 10:15
Client ID	: SW1B 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/25/16 15:19
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F503251610	Analyst	: SF
Sample Amount	: 990 ml	Instrument ID	: PAH5
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	5.30	10.1	1.79	J
91-57-6	2-Methylnaphthalene	1.28	10.1	1.07	J
208-96-8	Acenaphthylene	ND	10.1	1.79	U
83-32-9	Acenaphthene	ND	10.1	1.63	U
86-73-7	Fluorene	ND	10.1	1.75	U
85-01-8	Phenanthrene	2.07	10.1	1.91	J
120-12-7	Anthracene	ND	10.1	1.96	U
206-44-0	Fluoranthene	ND	10.1	1.50	U
129-00-0	Pyrene	ND	10.1	1.54	U
56-55-3	Benz(a)anthracene	ND	10.1	1.75	U
218-01-9	Chrysene	ND	10.1	0.945	U
205-99-2	Benzo(b)fluoranthene	ND	10.1	1.49	U
207-08-9	Benzo(k)fluoranthene	ND	10.1	1.18	U
50-32-8	Benzo(a)pyrene	ND	10.1	0.848	U
193-39-5	Indeno(1,2,3-cd)pyrene	6.92	10.1	0.538	J
53-70-3	Dibenz(a,h)anthracene	5.05	10.1	0.692	J
191-24-2	Benzo(g,h,i)perylene	ND	10.1	1.32	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-03	Date Collected	: 03/16/16 10:05
Client ID	: SW1C 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/25/16 15:49
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F503251611	Analyst	: SF
Sample Amount	: 990 ml	Instrument ID	: PAH5
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	7.44	10.1	1.79	J
91-57-6	2-Methylnaphthalene	1.90	10.1	1.07	J
208-96-8	Acenaphthylene	ND	10.1	1.79	U
83-32-9	Acenaphthene	ND	10.1	1.63	U
86-73-7	Fluorene	ND	10.1	1.75	U
85-01-8	Phenanthrene	2.62	10.1	1.91	J
120-12-7	Anthracene	ND	10.1	1.96	U
206-44-0	Fluoranthene	1.61	10.1	1.50	J
129-00-0	Pyrene	ND	10.1	1.54	U
56-55-3	Benz(a)anthracene	ND	10.1	1.75	U
218-01-9	Chrysene	ND	10.1	0.945	U
205-99-2	Benzo(b)fluoranthene	ND	10.1	1.49	U
207-08-9	Benzo(k)fluoranthene	ND	10.1	1.18	U
50-32-8	Benzo(a)pyrene	ND	10.1	0.848	U
193-39-5	Indeno(1,2,3-cd)pyrene	7.02	10.1	0.538	J
53-70-3	Dibenz(a,h)anthracene	5.09	10.1	0.692	J
191-24-2	Benzo(g,h,i)perylene	ND	10.1	1.32	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-04	Date Collected	: 03/16/16 10:50
Client ID	: SW2A 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/25/16 16:19
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F503251612	Analyst	: SF
Sample Amount	: 890 ml	Instrument ID	: PAH5
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	6.52	11.2	1.99	J
91-57-6	2-Methylnaphthalene	1.69	11.2	1.19	J
208-96-8	Acenaphthylene	2.02	11.2	1.99	J
83-32-9	Acenaphthene	ND	11.2	1.81	U
86-73-7	Fluorene	ND	11.2	1.94	U
85-01-8	Phenanthrene	2.55	11.2	2.12	J
120-12-7	Anthracene	ND	11.2	2.18	U
206-44-0	Fluoranthene	2.30	11.2	1.67	J
129-00-0	Pyrene	ND	11.2	1.71	U
56-55-3	Benz(a)anthracene	ND	11.2	1.94	U
218-01-9	Chrysene	ND	11.2	1.05	U
205-99-2	Benzo(b)fluoranthene	ND	11.2	1.66	U
207-08-9	Benzo(k)fluoranthene	ND	11.2	1.31	U
50-32-8	Benzo(a)pyrene	ND	11.2	0.944	U
193-39-5	Indeno(1,2,3-cd)pyrene	7.97	11.2	0.599	J
53-70-3	Dibenz(a,h)anthracene	5.86	11.2	0.770	J
191-24-2	Benzo(g,h,i)perylene	ND	11.2	1.47	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-05	Date Collected	: 03/16/16 10:35
Client ID	: SW2C 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/25/16 16:49
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F503251613	Analyst	: SF
Sample Amount	: 970 ml	Instrument ID	: PAH5
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	6.86	10.3	1.82	J
91-57-6	2-Methylnaphthalene	1.63	10.3	1.09	J
208-96-8	Acenaphthylene	ND	10.3	1.82	U
83-32-9	Acenaphthene	ND	10.3	1.66	U
86-73-7	Fluorene	ND	10.3	1.78	U
85-01-8	Phenanthrene	2.05	10.3	1.95	J
120-12-7	Anthracene	ND	10.3	2.00	U
206-44-0	Fluoranthene	1.82	10.3	1.54	J
129-00-0	Pyrene	ND	10.3	1.57	U
56-55-3	Benz(a)anthracene	ND	10.3	1.78	U
218-01-9	Chrysene	ND	10.3	0.965	U
205-99-2	Benzo(b)fluoranthene	ND	10.3	1.52	U
207-08-9	Benzo(k)fluoranthene	ND	10.3	1.21	U
50-32-8	Benzo(a)pyrene	ND	10.3	0.866	U
193-39-5	Indeno(1,2,3-cd)pyrene	7.11	10.3	0.549	J
53-70-3	Dibenz(a,h)anthracene	5.16	10.3	0.706	J
191-24-2	Benzo(g,h,i)perylene	ND	10.3	1.35	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-06	Date Collected	: 03/16/16 10:45
Client ID	: SW2B 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/25/16 17:20
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F503251614	Analyst	: SF
Sample Amount	: 950 ml	Instrument ID	: PAH5
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	7.88	10.5	1.86	J
91-57-6	2-Methylnaphthalene	2.00	10.5	1.12	J
208-96-8	Acenaphthylene	ND	10.5	1.86	U
83-32-9	Acenaphthene	ND	10.5	1.69	U
86-73-7	Fluorene	ND	10.5	1.82	U
85-01-8	Phenanthrene	ND	10.5	1.99	U
120-12-7	Anthracene	ND	10.5	2.04	U
206-44-0	Fluoranthene	ND	10.5	1.57	U
129-00-0	Pyrene	ND	10.5	1.60	U
56-55-3	Benz(a)anthracene	ND	10.5	1.82	U
218-01-9	Chrysene	ND	10.5	0.985	U
205-99-2	Benzo(b)fluoranthene	ND	10.5	1.56	U
207-08-9	Benzo(k)fluoranthene	ND	10.5	1.23	U
50-32-8	Benzo(a)pyrene	ND	10.5	0.884	U
193-39-5	Indeno(1,2,3-cd)pyrene	7.23	10.5	0.561	J
53-70-3	Dibenz(a,h)anthracene	ND	10.5	0.721	U
191-24-2	Benzo(g,h,i)perylene	ND	10.5	1.38	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-07	Date Collected	: 03/16/16 08:50
Client ID	: SW3A 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/25/16 17:49
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F503251615	Analyst	: SF
Sample Amount	: 960 ml	Instrument ID	: PAH5
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	5.42	10.4	1.84	J
91-57-6	2-Methylnaphthalene	1.32	10.4	1.10	J
208-96-8	Acenaphthylene	ND	10.4	1.84	U
83-32-9	Acenaphthene	ND	10.4	1.68	U
86-73-7	Fluorene	ND	10.4	1.80	U
85-01-8	Phenanthrene	2.16	10.4	1.97	J
120-12-7	Anthracene	ND	10.4	2.02	U
206-44-0	Fluoranthene	1.58	10.4	1.55	J
129-00-0	Pyrene	ND	10.4	1.58	U
56-55-3	Benz(a)anthracene	ND	10.4	1.80	U
218-01-9	Chrysene	ND	10.4	0.975	U
205-99-2	Benzo(b)fluoranthene	ND	10.4	1.54	U
207-08-9	Benzo(k)fluoranthene	ND	10.4	1.22	U
50-32-8	Benzo(a)pyrene	ND	10.4	0.875	U
193-39-5	Indeno(1,2,3-cd)pyrene	7.49	10.4	0.555	J
53-70-3	Dibenz(a,h)anthracene	5.33	10.4	0.714	J
191-24-2	Benzo(g,h,i)perylene	ND	10.4	1.36	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-08	Date Collected	: 03/16/16 08:40
Client ID	: SW3B 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/25/16 18:20
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F503251616	Analyst	: SF
Sample Amount	: 910 ml	Instrument ID	: PAH5
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	5.40	11.0	1.94	J
91-57-6	2-Methylnaphthalene	1.34	11.0	1.16	J
208-96-8	Acenaphthylene	ND	11.0	1.94	U
83-32-9	Acenaphthene	ND	11.0	1.77	U
86-73-7	Fluorene	ND	11.0	1.90	U
85-01-8	Phenanthrene	ND	11.0	2.08	U
120-12-7	Anthracene	ND	11.0	2.13	U
206-44-0	Fluoranthene	ND	11.0	1.64	U
129-00-0	Pyrene	ND	11.0	1.67	U
56-55-3	Benz(a)anthracene	ND	11.0	1.90	U
218-01-9	Chrysene	ND	11.0	1.03	U
205-99-2	Benzo(b)fluoranthene	ND	11.0	1.63	U
207-08-9	Benzo(k)fluoranthene	ND	11.0	1.28	U
50-32-8	Benzo(a)pyrene	ND	11.0	0.923	U
193-39-5	Indeno(1,2,3-cd)pyrene	7.62	11.0	0.586	J
53-70-3	Dibenz(a,h)anthracene	5.55	11.0	0.753	J
191-24-2	Benzo(g,h,i)perylene	ND	11.0	1.44	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-09	Date Collected	: 03/16/16 08:35
Client ID	: SW3C 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/25/16 18:51
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F503251617	Analyst	: SF
Sample Amount	: 930 ml	Instrument ID	: PAH5
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	5.16	10.8	1.90	J
91-57-6	2-Methylnaphthalene	1.14	10.8	1.14	J
208-96-8	Acenaphthylene	ND	10.8	1.90	U
83-32-9	Acenaphthene	ND	10.8	1.73	U
86-73-7	Fluorene	ND	10.8	1.86	U
85-01-8	Phenanthrene	2.23	10.8	2.03	J
120-12-7	Anthracene	ND	10.8	2.09	U
206-44-0	Fluoranthene	1.76	10.8	1.60	J
129-00-0	Pyrene	ND	10.8	1.63	U
56-55-3	Benz(a)anthracene	ND	10.8	1.86	U
218-01-9	Chrysene	ND	10.8	1.01	U
205-99-2	Benzo(b)fluoranthene	ND	10.8	1.59	U
207-08-9	Benzo(k)fluoranthene	ND	10.8	1.26	U
50-32-8	Benzo(a)pyrene	ND	10.8	0.903	U
193-39-5	Indeno(1,2,3-cd)pyrene	7.43	10.8	0.573	J
53-70-3	Dibenz(a,h)anthracene	5.49	10.8	0.736	J
191-24-2	Benzo(g,h,i)perylene	ND	10.8	1.41	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: WG876674-1	Date Collected	: NA
Client ID	: WG876674-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 03/25/16 13:17
Sample Matrix	: WATER	Date Extracted	: 03/23/16
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F503251606	Analyst	: SF
Sample Amount	: 1000 ml	Instrument ID	: PAH5
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	ND	10.0	1.77	U
91-57-6	2-Methylnaphthalene	ND	10.0	1.06	U
208-96-8	Acenaphthylene	ND	10.0	1.77	U
83-32-9	Acenaphthene	ND	10.0	1.61	U
86-73-7	Fluorene	ND	10.0	1.73	U
85-01-8	Phenanthrene	ND	10.0	1.89	U
120-12-7	Anthracene	ND	10.0	1.94	U
206-44-0	Fluoranthene	ND	10.0	1.49	U
129-00-0	Pyrene	ND	10.0	1.52	U
56-55-3	Benz(a)anthracene	ND	10.0	1.73	U
218-01-9	Chrysene	ND	10.0	0.936	U
205-99-2	Benzo(b)fluoranthene	ND	10.0	1.48	U
207-08-9	Benzo(k)fluoranthene	ND	10.0	1.17	U
50-32-8	Benzo(a)pyrene	ND	10.0	0.840	U
193-39-5	Indeno(1,2,3-cd)pyrene	6.77	10.0	0.533	J
53-70-3	Dibenz(a,h)anthracene	5.08	10.0	0.685	J
191-24-2	Benzo(g,h,i)perylene	ND	10.0	1.31	U

Form 2
Surrogate Recovery
SEMIVOLATILES

Client: Anchor QEA, LLC
Project Name: FORMER GLEN FALLS OU-2

Lab Number: L1607846
Project Number: E50593-01.01
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 ()	S2 ()	S3 ()	S4 ()	S5 ()	S6 ()	TOT OUT
WG876674-3LCSD	72	64	78	--	--	--	0
WG876674-2LCS	74	71	81	--	--	--	0
WG876674-1BLANK	74	67	83	--	--	--	0
SW1A 20160316 (L1607846-01)	76	64	81	--	--	--	0
SW1B 20160316 (L1607846-02)	75	69	82	--	--	--	0
SW1C 20160316 (L1607846-03)	73	60	79	--	--	--	0
SW2A 20160316 (L1607846-04)	76	68	83	--	--	--	0
SW2B 20160316 (L1607846-06)	77	69	82	--	--	--	0
SW2C 20160316 (L1607846-05)	72	64	79	--	--	--	0
SW3A 20160316 (L1607846-07)	74	66	81	--	--	--	0
SW3B 20160316 (L1607846-08)	75	67	82	--	--	--	0
SW3C 20160316 (L1607846-09)	75	64	79	--	--	--	0

	QC LIMITS
S1 = PYRENE-D10	(30-130)
S2 = 2-METHYLNAPHTHALENE-D10	(30-130)
S3 = BENZO(B)FLUORANTHENE-D12	(30-130)

*** Values outside of QC limits**

FORM II A2-PAH-8270SIM

Laboratory Control Sample
Form 3

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Matrix	: WATER		
LCS Sample ID	: WG876674-2	**Analysis Date :** 03/25/16 13:47	**File ID** : F503251607
LCSD Sample ID	: WG876674-3	**Analysis Date :** 03/25/16 14:17	**File ID** : F503251608

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
Naphthalene	500	380.	76	500	341.	68	11	40-140	30
2-Methylnaphthalene	500	384.	77	500	346.	69	11	40-140	30
Acenaphthylene	500	394.	79	500	360.	72	9	40-140	30
Acenaphthene	500	398.	80	500	365.	73	9	40-140	30
Fluorene	500	412.	82	500	380.	76	8	40-140	30
Phenanthrene	500	407.	81	500	389.	78	4	40-140	30
Anthracene	500	389.	78	500	364.	73	7	40-140	30
Fluoranthene	500	419.	84	500	394.	79	6	40-140	30
Pyrene	500	385.	77	500	372.	74	4	40-140	30
Benz(a)anthracene	500	406.	81	500	403.	80	1	40-140	30
Chrysene	500	396.	79	500	391.	78	1	40-140	30
Benzo(b)fluoranthene	500	435.	87	500	430.	86	1	40-140	30
Benzo(k)fluoranthene	500	466.	93	500	464.	93	0	40-140	30
Benzo(a)pyrene	500	400.	80	500	391.	78	3	40-140	30
Indeno(1,2,3-cd)pyrene	500	389.	78	500	405.	81	4	40-140	30
Dibenz(a,h)anthracene	500	398.	80	500	393.	79	1	40-140	30
Benzo(g,h,i)perylene	500	437.	87	500	424.	85	2	40-140	30

Method Blank Summary
Form 4

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab Sample ID	: WG876674-1	**Lab File ID**	: F503251606
Instrument ID	: PAH5	**Extraction Date**	: 03/23/16
Matrix	: WATER	**Analysis Date**	: 03/25/16 13:17
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG876674-2LCS	WG876674-2	03/25/16 13:47
WG876674-3LCSD	WG876674-3	03/25/16 14:17
SW1A 20160316	L1607846-01	03/25/16 14:48
SW1B 20160316	L1607846-02	03/25/16 15:19
SW1C 20160316	L1607846-03	03/25/16 15:49
SW2A 20160316	L1607846-04	03/25/16 16:19
SW2C 20160316	L1607846-05	03/25/16 16:49
SW2B 20160316	L1607846-06	03/25/16 17:20
SW3A 20160316	L1607846-07	03/25/16 17:49
SW3B 20160316	L1607846-08	03/25/16 18:20
SW3C 20160316	L1607846-09	03/25/16 18:51

Instrument Performance Check
Decafluorotriphenylphosphine (DFTPP)
Form 5

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: PAH5	**Analysis Date**	: 03/08/16 00:43
Tune Standard	: R845163-10	**Tune File ID**	: F503071615_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	31.8
68	Less than 2.0% of mass 69	0 (0)1
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	48.9
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	27.6
365	Greater than 1.0% of mass 198	3.3
441	Present, but less than 24% of mass 442	16.6
442	Base Peak, or >50% of mass 198	81.3
443	15.0 - 24.0% of mass 442	15.9 (19.6)2

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

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD 10	R845163-1	F503071616	03/08/16 01:11
STD 20	R845163-3	F503071617	03/08/16 01:42
STD 100	R845163-4	F503071618	03/08/16 02:13
STD 200	R845163-5	F503071619	03/08/16 02:44
STD 500	R845163-2	F503071620	03/08/16 03:14
STD 1000	R845163-6	F503071621	03/08/16 03:45
STD 2000	R845163-7	F503071622	03/08/16 04:16
STD 5000	R845163-8	F503071623	03/08/16 04:46
ICV Quant Report STD 500	R845163-9	F503071624	03/08/16 05:17

Instrument Performance Check
Decafluorotriphenylphosphine (DFTPP)
Form 5

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: PAH5	**Analysis Date**	: 03/25/16 08:08
Tune Standard	: WG877452-1	**Tune File ID**	: F503251601_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	36.1
68	Less than 2.0% of mass 69	0 (0)1
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	47.6
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	27.8
365	Greater than 1.0% of mass 198	3.2
441	Present, but less than 24% of mass 442	16.8
442	Base Peak, or >50% of mass 198	89.8
443	15.0 - 24.0% of mass 442	17.6 (19.6)2

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

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG877452-3CCAL	WG877452-3	F503251602	03/25/16 08:37
WG876674-1BLANK	WG876674-1	F503251606	03/25/16 13:17
WG876674-2LCS	WG876674-2	F503251607	03/25/16 13:47
WG876674-3LCSD	WG876674-3	F503251608	03/25/16 14:17
SW1A 20160316	L1607846-01	F503251609	03/25/16 14:48
SW1B 20160316	L1607846-02	F503251610	03/25/16 15:19
SW1C 20160316	L1607846-03	F503251611	03/25/16 15:49
SW2A 20160316	L1607846-04	F503251612	03/25/16 16:19
SW2C 20160316	L1607846-05	F503251613	03/25/16 16:49
SW2B 20160316	L1607846-06	F503251614	03/25/16 17:20
SW3A 20160316	L1607846-07	F503251615	03/25/16 17:49
SW3B 20160316	L1607846-08	F503251616	03/25/16 18:20
SW3C 20160316	L1607846-09	F503251617	03/25/16 18:51

Initial Calibration Summary
Form 6

Client	**: Anchor QEA, LLC**	**Lab Number**	**: L1607846**
Project Name	**: FORMER GLEN FALLS OU-2**	**Project Number**	**: E50593-01.01**
Instrument ID	**: PAH5**	**Ical Ref**	**: ICAL12131**
Calibration dates	**: 03/08/16 01:11 03/08/16 04:46**		

Calibration Files
10 =F503071616.D 20 =F503071617.D 100 =F503071618.D 200 =F503071619.D 500 =F503071620.D
1000=F503071621.D 2000=F503071622.D 5000=F503071623.D

		Compound	10	20	100	200	500	1000	2000	5000	Avg	%RSD
1)	i	Naphthalene-d8	----------ISTD----------									
2)	t	Naphthalene	1.027	1.049	1.089	1.124	1.062	1.086	1.047	1.027	1.064	3.17
3)	t	1,4-Dichlorobenzene	0.494	0.506	0.526	0.546	0.513	0.524	0.509		0.517	3.25
4)	s	2-Methylnaphthalene-d10	0.531	0.536	0.571	0.598	0.573	0.592	0.573	0.578	0.569	4.22
5)	t	2-Methylnaphthalene	0.655	0.664	0.724	0.749	0.715	0.739	0.713	0.709	0.709	4.66
6)	t	1-Methylnaphthalene	0.627	0.639	0.688	0.718	0.682	0.701	0.679	0.677	0.676	4.48
7)	i	Acenaphthene-d10	----------ISTD----------									
8)	t	Dibenzothiophene	2.177	2.200	2.369	2.477	2.433	2.471	2.417		2.363	5.28
9)		2-Chloronaphthalene	1.431	1.497	1.583	1.632	1.565	1.597	1.557		1.552	4.33
10)	t	Biphenyl	1.723	1.790	1.860	1.931	1.827	1.862	1.808		1.829	3.57
11)	t	2,6-Dimethylnaphthalene	1.142	1.183	1.279	1.335	1.291	1.334	1.300		1.266	5.92
12)	t	Acenaphthylene	1.828	1.850	2.054	2.215	2.161	2.251	2.191		*L	0.9998
13)	t	Acenaphthene	1.386	1.408	1.473	1.524	1.456	1.482	1.449		1.454	3.17
14)	t	Dibenzofuran	1.939	1.972	2.095	2.200	2.064	2.110	2.032		2.059	4.28
15)	t	Fluorene	1.445	1.473	1.606	1.704	1.630	1.693	1.642		1.599	6.37
16)	t	2,3,5-Trimethylnaphthalen	1.013	1.035	1.134	1.187	1.154	1.202	1.178		1.129	6.67
17)	i	Phenanthrene-d10	----------ISTD----------									
18)	s	Fluoranthene-d10	0.880	0.863	0.983	1.047	1.050	1.071	1.057	1.045	1.000	8.33
19)	t	Phenanthrene	1.230	1.190	1.245	1.281	1.218	1.232	1.176		1.225	2.84
20)	t	Anthracene	0.980	0.985	1.129	1.214	1.205	1.226	1.209		1.136	9.60
21)	t	Carbazole	0.970	0.946	1.095	1.166	1.139	1.182	1.141		1.091	8.72
22)	t	1-Methylphenanthrene	0.747	0.729	0.829	0.875	0.870	0.891	0.880		0.832	8.06
23)	t	Fluoranthene	1.115	1.132	1.310	1.384	1.364	1.384	1.337		1.289	9.03
24)	i	Chrysene-d12	----------ISTD----------									
25)	s	Pyrene-d10	0.812	0.840	0.904	0.951	0.937	0.962	0.944	0.964	0.914	6.37
26)	t	Pyrene	1.286	1.333	1.469	1.540	1.482	1.521	1.461		1.442	6.63
27)	t	Benz[a]anthracene	1.067	1.005	1.099	1.186	1.188	1.252	1.247		1.149	8.19
28)	t	Chrysene	1.161	1.180	1.245	1.296	1.237	1.267	1.232		1.231	3.82
29)	i	Perylene-d12	----------ISTD----------									
30)	s	Benzo(a)pyrene-d12	0.579	0.591	0.755	0.837	0.856	0.912	0.901	0.908	0.792	17.38
31)	s	Benzo[b]fluoranthene-d12	0.733	0.750	0.846	0.908	0.890	0.945	0.919	0.903	0.862	9.21
32)	t	Benzo[b]fluoranthene	0.989	1.022	1.199	1.297	1.415	1.420	1.424		1.252	15.00
33)	t	Benzo[k]fluoranthene	0.948	1.002	1.190	1.273	1.124	1.210	1.144		1.127	10.26
34)	t	Benzo[e]pyrene	0.918	0.958	1.105	1.198	1.182	1.231	1.196		1.113	11.30
35)	t	Benzo[a]pyrene	0.870	0.953	1.195	1.275	1.278	1.329	1.315		1.173	15.83
36)	t	Perylene	1.124	1.192	1.303	1.352	1.285	1.336	1.306		1.271	6.51
37)	t	Indeno[1,2,3-cd]pyrene	0.712	0.800	0.906	1.013	1.023	1.179	1.177		*L	0.9968
38)	t	Dibenz[a,h]anthracene	0.773	0.872	1.014	1.126	1.111	1.195	1.185		*L	0.9992
39)	t	Benzo[g,h,i]perylene	0.889	0.975	1.096	1.189	1.168	1.246	1.227		1.113	12.10

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	Lab Number	: L1607846	
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01	
Instrument ID	: PAH5	Calibration Date	: 03/25/16 08:37	
Lab File ID	: F503251602	Init. Calib. Date(s)	: 03/08/16	03/08/16
Sample No	: WG877452-3	Init. Calib. Times	: 01:11	04:46
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Naphthalene-d8	1	1	0.01	0	20	72	0
Naphthalene	1.064	1.061	0.01	0.3	20	72	0
1,4-Dichlorobenzene	0.517	0.527	0.01	-1.9	20	74	0
2-Methylnaphthalene-d10	0.569	0.525	0.01	7.7	20	66	0
2-Methylnaphthalene	0.709	0.679	0.01	4.2	20	68	0
1-Methylnaphthalene	0.676	0.64	0.01	5.3	20	67	0
Acenaphthene-d10	1	1	0.01	0	20	68	0
Dibenzothiophene	2.363	2.456	0.01	-3.9	20	69	0
2-Chloronaphthalene	1.552	1.639	0.01	-5.6	20	71	0
Biphenyl	1.829	1.785	0.01	2.4	20	67	0
2,6-Dimethylnaphthalene	1.266	1.237	0.01	2.3	20	65	0
Acenaphthylene	500	510.806	0.01	-2.2	20	71	0
Acenaphthene	1.454	1.413	0.01	2.8	20	66	0
Dibenzofuran	2.059	2.052	0.01	0.3	20	68	0
Fluorene	1.599	1.577	0.01	1.4	20	66	0
2,3,5-Trimethylnaphthalene	1.129	1.088	0.01	3.6	20	64	0
Phenanthrene-d10	1	1	0.01	0	20	68	0
Fluoranthene-d10	1	0.959	0.01	4.1	20	62	0
Phenanthrene	1.225	1.168	0.01	4.7	20	65	0
Anthracene	1.136	1.147	0.01	-1	20	65	0
Carbazole	1.091	1.102	0.01	-1	20	66	0
1-Methylphenanthrene	0.832	0.822	0.01	1.2	20	64	0
Fluoranthene	1.289	1.298	0.01	-0.7	20	65	0
Chrysene-d12	1	1	0.01	0	20	68	0
Pyrene-d10	0.914	0.857	0.01	6.2	20	62	0
Pyrene	1.442	1.414	0.01	1.9	20	65	0
Benz[a]anthracene	1.149	1.14	0.01	0.8	20	65	0
Chrysene	1.231	1.166	0.01	5.3	20	64	0
Perylene-d12	1	1	0.01	0	20	65	0
Benzo(a)pyrene-d12	0.792	0.793	0.01	-0.1	20	61	0
Benzo[b]fluoranthene-d12	0.862	0.879	0.01	-2	20	65	0
Benzo[b]fluoranthene	1.252	1.409	0.01	-12.5	20	65	0
Benzo[k]fluoranthene	1.127	1.105	0.01	2	20	64	0
Benzo[e]pyrene	1.113	1.164	0.01	-4.6	20	64	0
Benzo[a]pyrene	1.173	1.232	0.01	-5	20	63	0
Perylene	1.271	1.219	0.01	4.1	20	62	0
Indeno[1,2,3-cd]pyrene	500	482.21	0.01	3.6	20	70	0
Dibenz[a,h]anthracene	500	488.471	0.01	2.3	20	67	0
Benzo[g,h,i]perylene	1.113	1.185	0.01	-6.5	20	66	0

* Value outside of QC limits.

Internal Standard Area and RT Summary
Form 8

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: PAH5	**Analysis Date**	: 03/25/16 08:37
Sample No	: WG877452-3	**Lab File ID**	: F503251602

	Naphthalene-d8		Acenaphthene-d10		Phenanthrene-d10	
	Area	RT	Area	RT	Area	RT
WG877452-3	104710	7.49	48929	9.24	98650	10.68
Upper Limit	209420	7.99	97858	9.74	197300	11.18
Lower Limit	52355	6.99	24465	8.74	49325	10.18
Sample ID						
WG876674-1 BLANK	84581	7.49	39106	9.24	78444	10.67
WG876674-2 LCS	80067	7.49	37940	9.24	76556	10.67
WG876674-3 LCSD	82407	7.49	38982	9.24	79611	10.68
SW1A 20160316	82514	7.49	39252	9.24	80248	10.68
SW1B 20160316	80106	7.49	38367	9.24	79343	10.68
SW1C 20160316	82498	7.49	39121	9.24	80934	10.68
SW2A 20160316	78758	7.49	37930	9.24	80528	10.68
SW2C 20160316	78900	7.49	37991	9.24	80577	10.68
SW2B 20160316	95427	7.50	44874	9.24	90142	10.68
SW3A 20160316	80284	7.49	39116	9.24	82295	10.68
SW3B 20160316	83048	7.49	40506	9.24	86106	10.68
SW3C 20160316	81086	7.49	39350	9.24	82946	10.68

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: PAH5	**Analysis Date**	: 03/25/16 08:37
Sample No	: WG877452-3	**Lab File ID**	: F503251602

	Chrysene-d12		Perylene-d12			
	Area	RT	Area	RT	Area	RT
WG877452-3	99409	13.82	91625	16.19		
Upper Limit	198818	14.32	183250	16.69		
Lower Limit	49705	13.32	45813	15.69		
Sample ID						
WG876674-1 BLANK	77157	13.81	70443	16.19		
WG876674-2 LCS	80208	13.81	74822	16.18		
WG876674-3 LCSD	81643	13.81	76453	16.19		
SW1A 20160316	81328	13.81	79237	16.19		
SW1B 20160316	83272	13.81	81289	16.19		
SW1C 20160316	83686	13.81	80962	16.19		
SW2A 20160316	85531	13.81	83493	16.19		
SW2C 20160316	86228	13.81	84238	16.19		
SW2B 20160316	89722	13.82	85641	16.19		
SW3A 20160316	88968	13.81	86706	16.19		
SW3B 20160316	90594	13.81	86528	16.19		
SW3C 20160316	87985	13.81	86623	16.19		

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-01	Date Collected	: 03/16/16 10:20
Client ID	: SW1A 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/29/16 11:46
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0329A08	Instrument ID	: VOA105.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	0.61	1.0	0.26	J
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-01	Date Collected	: 03/16/16 10:20
Client ID	: SW1A 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/29/16 11:46
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0329A08	Instrument ID	: VOA105.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
540-59-0	1,2-Dichloroethene, Total	ND	0.50	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
1330-20-7	Xylenes, Total	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	2.9	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.15	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab ID	: L1607846-01	**Date Collected**	: 03/16/16 10:20
Client ID	: SW1A 20160316	**Date Received**	: 03/17/16
Sample Location	: GLEN FALLS, NY	**Date Analyzed**	: 03/29/16 11:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: 0329A08	**Instrument ID**	: VOA105.I
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-02	Date Collected	: 03/16/16 10:15
Client ID	: SW1B 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/29/16 12:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0329A09	Instrument ID	: VOA105.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	0.64	1.0	0.26	J
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-02	Date Collected	: 03/16/16 10:15
Client ID	: SW1B 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/29/16 12:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0329A09	Instrument ID	: VOA105.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
540-59-0	1,2-Dichloroethene, Total	ND	0.50	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
1330-20-7	Xylenes, Total	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	4.5	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.15	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab ID	: L1607846-02	**Date Collected**	: 03/16/16 10:15
Client ID	: SW1B 20160316	**Date Received**	: 03/17/16
Sample Location	: GLEN FALLS, NY	**Date Analyzed**	: 03/29/16 12:10
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: 0329A09	**Instrument ID**	: VOA105.I
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-03	Date Collected	: 03/16/16 10:05
Client ID	: SW1C 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/29/16 12:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0329A10	Instrument ID	: VOA105.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	0.29	2.5	0.18	J
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-03	Date Collected	: 03/16/16 10:05
Client ID	: SW1C 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/29/16 12:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0329A10	Instrument ID	: VOA105.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
540-59-0	1,2-Dichloroethene, Total	ND	0.50	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
1330-20-7	Xylenes, Total	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	10	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.15	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab ID	: L1607846-03	**Date Collected**	: 03/16/16 10:05
Client ID	: SW1C 20160316	**Date Received**	: 03/17/16
Sample Location	: GLEN FALLS, NY	**Date Analyzed**	: 03/29/16 12:33
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: 0329A10	**Instrument ID**	: VOA105.I
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-04	Date Collected	: 03/16/16 10:50
Client ID	: SW2A 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/29/16 12:57
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0329A11	Instrument ID	: VOA105.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	0.58	1.0	0.26	J
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-04	Date Collected	: 03/16/16 10:50
Client ID	: SW2A 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/29/16 12:57
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0329A11	Instrument ID	: VOA105.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
540-59-0	1,2-Dichloroethene, Total	ND	0.50	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
1330-20-7	Xylenes, Total	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	5.0	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.15	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab ID	: L1607846-04	**Date Collected**	: 03/16/16 10:50
Client ID	: SW2A 20160316	**Date Received**	: 03/17/16
Sample Location	: GLEN FALLS, NY	**Date Analyzed**	: 03/29/16 12:57
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: 0329A11	**Instrument ID**	: VOA105.I
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-05	Date Collected	: 03/16/16 10:35
Client ID	: SW2C 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/29/16 13:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0329A12	Instrument ID	: VOA105.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	0.59	1.0	0.26	J
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-05	Date Collected	: 03/16/16 10:35
Client ID	: SW2C 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/29/16 13:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0329A12	Instrument ID	: VOA105.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
540-59-0	1,2-Dichloroethene, Total	ND	0.50	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
1330-20-7	Xylenes, Total	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	6.0	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.15	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab ID	: L1607846-05	**Date Collected**	: 03/16/16 10:35
Client ID	: SW2C 20160316	**Date Received**	: 03/17/16
Sample Location	: GLEN FALLS, NY	**Date Analyzed**	: 03/29/16 13:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: 0329A12	**Instrument ID**	: VOA105.I
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-06	Date Collected	: 03/16/16 10:45
Client ID	: SW2B 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/29/16 13:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0329A13	Instrument ID	: VOA105.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	0.18	0.75	0.16	J
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	0.61	1.0	0.26	J
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-06	Date Collected	: 03/16/16 10:45
Client ID	: SW2B 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/29/16 13:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0329A13	Instrument ID	: VOA105.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
540-59-0	1,2-Dichloroethene, Total	ND	0.50	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
1330-20-7	Xylenes, Total	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	6.4	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.15	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab ID	: L1607846-06	**Date Collected**	: 03/16/16 10:45
Client ID	: SW2B 20160316	**Date Received**	: 03/17/16
Sample Location	: GLEN FALLS, NY	**Date Analyzed**	: 03/29/16 13:44
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: 0329A13	**Instrument ID**	: VOA105.I
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-07	Date Collected	: 03/16/16 08:50
Client ID	: SW3A 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/29/16 14:08
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0329A14	Instrument ID	: VOA105.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-07	Date Collected	: 03/16/16 08:50
Client ID	: SW3A 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/29/16 14:08
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0329A14	Instrument ID	: VOA105.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
540-59-0	1,2-Dichloroethene, Total	ND	0.50	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
1330-20-7	Xylenes, Total	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	5.7	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.15	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab ID	: L1607846-07	**Date Collected**	: 03/16/16 08:50
Client ID	: SW3A 20160316	**Date Received**	: 03/17/16
Sample Location	: GLEN FALLS, NY	**Date Analyzed**	: 03/29/16 14:08
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: 0329A14	**Instrument ID**	: VOA105.I
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-08	Date Collected	: 03/16/16 08:40
Client ID	: SW3B 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/29/16 14:32
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0329A15	Instrument ID	: VOA105.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-08	Date Collected	: 03/16/16 08:40
Client ID	: SW3B 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/29/16 14:32
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0329A15	Instrument ID	: VOA105.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
540-59-0	1,2-Dichloroethene, Total	ND	0.50	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
1330-20-7	Xylenes, Total	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	11	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.15	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab ID	: L1607846-08	**Date Collected**	: 03/16/16 08:40
Client ID	: SW3B 20160316	**Date Received**	: 03/17/16
Sample Location	: GLEN FALLS, NY	**Date Analyzed**	: 03/29/16 14:32
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: 0329A15	**Instrument ID**	: VOA105.I
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-09	Date Collected	: 03/16/16 08:35
Client ID	: SW3C 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/29/16 14:55
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0329A16	Instrument ID	: VOA105.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	0.18	0.75	0.16	J
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	0.60	1.0	0.26	J
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-09	Date Collected	: 03/16/16 08:35
Client ID	: SW3C 20160316	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/29/16 14:55
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0329A16	Instrument ID	: VOA105.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
540-59-0	1,2-Dichloroethene, Total	ND	0.50	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
1330-20-7	Xylenes, Total	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	9.3	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.15	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab ID	: L1607846-09	**Date Collected**	: 03/16/16 08:35
Client ID	: SW3C 20160316	**Date Received**	: 03/17/16
Sample Location	: GLEN FALLS, NY	**Date Analyzed**	: 03/29/16 14:55
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: 0329A16	**Instrument ID**	: VOA105.I
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-10	Date Collected	: 03/16/16 00:00
Client ID	: TRIP BLANK	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/29/16 15:19
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0329A17	Instrument ID	: VOA105.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	0.28	0.75	0.16	J
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	0.60	1.0	0.26	J
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1607846-10	Date Collected	: 03/16/16 00:00
Client ID	: TRIP BLANK	Date Received	: 03/17/16
Sample Location	: GLEN FALLS, NY	Date Analyzed	: 03/29/16 15:19
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0329A17	Instrument ID	: VOA105.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
540-59-0	1,2-Dichloroethene, Total	ND	0.50	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
1330-20-7	Xylenes, Total	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	2.6	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.15	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab ID	: L1607846-10	**Date Collected**	: 03/16/16 00:00
Client ID	: TRIP BLANK	**Date Received**	: 03/17/16
Sample Location	: GLEN FALLS, NY	**Date Analyzed**	: 03/29/16 15:19
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: 0329A17	**Instrument ID**	: VOA105.I
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: WG878773-5	Date Collected	: NA
Client ID	: WG878773-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 03/29/16 10:35
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0329A05	Instrument ID	: VOA105.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: WG878773-5	Date Collected	: NA
Client ID	: WG878773-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 03/29/16 10:35
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: 0329A05	Instrument ID	: VOA105.I
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
540-59-0	1,2-Dichloroethene, Total	ND	0.50	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
1330-20-7	Xylenes, Total	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.15	U

Form 1
Volatile Organics

Client	: Anchor QEA, LLC	**Lab Number**	: L1607846
Project Name	: FORMER GLEN FALLS OU-2	**Project Number**	: E50593-01.01
Lab ID	: WG878773-5	**Date Collected**	: NA
Client ID	: WG878773-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/29/16 10:35
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: 0329A05	**Instrument ID**	: VOA105.I
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 2
Surrogate Recovery
Volatile Organics

Client: Anchor QEA, LLC
Project Name: FORMER GLEN FALLS OU-2

Lab Number: L1607846
Project Number: E50593-01.01
Matrix:

CLIENT ID (LAB SAMPLE NO.)	SMC1 TOL	SMC2 BFB	SMC3 DCA	SMC4 DBFM	TOT OUT
WG878773-4LCSD	106	112	112	98	0
WG878773-3LCS	106	110	112	98	0
WG878773-5BLANK	105	113	114	95	0
SW1A 20160316 (L1607846-01)	107	112	117	95	0
SW1B 20160316 (L1607846-02)	106	113	119	94	0
SW1C 20160316 (L1607846-03)	106	112	120	95	0
SW2A 20160316 (L1607846-04)	106	112	121	94	0
SW2B 20160316 (L1607846-06)	106	111	121	94	0
SW2C 20160316 (L1607846-05)	106	112	121	95	0
SW3A 20160316 (L1607846-07)	106	111	122	95	0
SW3B 20160316 (L1607846-08)	107	111	123	95	0
SW3C 20160316 (L1607846-09)	107	113	122	95	0
TRIP BLANK (L1607846-10)	107	112	122	94	0

	QC LIMITS
TOL = TOLUENE-D8	(70-130)
BFB = 4-BROMOFLUOROBENZENE	(70-130)
DCA = 1,2-DICHLOROETHANE-D4	(70-130)
DBFM = DIBROMOFLUOROMETHANE)	(70-130)

* Values outside of QC limits

FORM II 8260

3A

LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY

WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1607846 Matrix: Water

Lab Control Sample: WG878773-3LCS Injected: 03/29/16 09:24 Lab File ID: 0329A02.D

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	LCS CONCENTRATION (ug/l)	LCS % REC	QC. LIMITS REC.
Methylene chloride	10	NA	12.	116	70-130
1,1-Dichloroethane	10	NA	12.	120	70-130
Chloroform	10	NA	12.	115	70-130
Carbontetrachloride	10	NA	9.5	95	63-132
1,2-Dichloropropane	10	NA	12.	118	70-130
Chlorodibromomethane	10	NA	8.8	88	63-130
1,1,2-Trichloroethane	10	NA	12.	120	70-130
Tetrachloroethene	10	NA	9.5	95	70-130
Chlorobenzene	10	NA	11.	110	75-130
Trichlorofluoromethane	10	NA	13.	135	62-150
1,2-Dichloroethane	10	NA	12.	122	70-130
1,1,1-Trichloroethane	10	NA	10.	104	67-130
Bromodichloromethane	10	NA	11.	109	67-130
trans-1,3-Dichloropropen	10	NA	11.	106	70-130
cis-1,3-Dichloropropene	10	NA	10.	103	70-130
Bromoform	10	NA	8.3	83	54-136
1,1,2,2,-Tetrachloroetha	10	NA	13.	129	67-130
Benzene	10	NA	11.	112	70-130
Toluene	10	NA	9.9	99	70-130
Ethyl benzene	10	NA	12.	116	70-130
Chloromethane	10	NA	12.	120	64-130
Bromomethane	10	NA	11.	115	39-139
Vinyl chloride	10	NA	13.	129	55-140
Chloroethane	10	NA	18.	182*	55-138
1,1,-Dichloroethene	10	NA	10.	105	61-145
trans-1,2-Dichloroethene	10	NA	11.	106	70-130
Trichloroethene	10	NA	11.	109	70-130
1,2-Dichlorobenzene	10	NA	11.	109	70-130
1,3-Dichlorobenzene	10	NA	11.	108	70-130
1,4-Dichlorobenzene	10	NA	11.	111	70-130
Methyl tert butyl ether	10	NA	9.9	99	63-130
p/m xylene	20	NA	22.	112	70-130
o Xylene	20	NA	22.	112	70-130
cis-1,2-Dichloroethene	10	NA	11.	107	70-130
Styrene	20	NA	23.	114	70-130
Dichlorodifluoromethane	10	NA	10.	104	36-147
Acetone	10	NA	9.3	93	58-148
Carbon disulfide	10	NA	11.	107	51-130
2-Butanone	10	NA	12.	118	63-138
Vinyl acetate	10	NA	14.	139*	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III 8260

3A

LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY

WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1607846 Matrix: Water

Lab Control Sample: WG878773-3LCS Injected: 03/29/16 09:24 Lab File ID: 0329A02.D

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	LCS CONCENTRATION (ug/l)	LCS % REC	QC. LIMITS REC.
4-Methyl-2-pentanone	10	NA	10.	102	59-130
2-Hexanone	10	NA	10.	104	57-130
Bromochloromethane	10	NA	9.7	97	70-130
1,2-Dibromoethane	10	NA	11.	109	70-130
1,2-Dibromo-3-chloroprop	10	NA	13.	129	41-144
Isopropylbenzene	10	NA	12.	117	70-130
1,2,3-Trichlorobenzene	10	NA	10.	100	70-130
1,2,4-Trichlorobenzene	10	NA	9.6	96	70-130
Methyl Acetate	10	NA	12.	121	70-130
Cyclohexane	10	NA	11.	114	70-130
Freon-113	10	NA	10.	105	70-130
Methyl cyclohexane	10	NA	10.	104	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III 8260

3A

LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY

WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1607846 Matrix: Water

Lab Control Sample: WG878773-3LCS Injected: 03/29/16 09:24 Lab File ID: 0329A02.D

Lab Control Dup : WG878773-4LCSD Injected: 03/29/16 09:48 Lab File ID: 0329A03.D

COMPOUND	SPIKE ADDED (ug/l)	LCSD CONCENTRATION (ug/l)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
Methylene chloride	10	11.	110	5	20	70-130
1,1-Dichloroethane	10	12.	116	3	20	70-130
Chloroform	10	11.	113	2	20	70-130
Carbontetrachloride	10	9.0	90	5	20	63-132
1,2-Dichloropropane	10	12.	115	3	20	70-130
Chlorodibromomethane	10	8.8	88	0	20	63-130
1,1,2-Trichloroethane	10	12.	122	2	20	70-130
Tetrachloroethene	10	9.3	93	2	20	70-130
Chlorobenzene	10	11.	108	2	25	75-130
Trichlorofluoromethane	10	13.	127	6	20	62-150
1,2-Dichloroethane	10	12.	121	1	20	70-130
1,1,1-Trichloroethane	10	10.	100	4	20	67-130
Bromodichloromethane	10	11.	107	2	20	67-130
trans-1,3-Dichloropropen	10	10.	105	1	20	70-130
cis-1,3-Dichloropropene	10	10.	101	2	20	70-130
Bromoform	10	8.3	83	0	20	54-136
1,1,2,2,-Tetrachloroetha	10	13.	130	1	20	67-130
Benzene	10	11.	108	4	25	70-130
Toluene	10	9.7	97	2	25	70-130
Ethyl benzene	10	11.	112	4	20	70-130
Chloromethane	10	5.9	59 *	68 *	20	64-130
Bromomethane	10	11.	109	5	20	39-139
Vinyl chloride	10	12.	116	11	20	55-140
Chloroethane	10	14.	144 *	23 *	20	55-138
1,1,-Dichloroethene	10	10.	100	5	25	61-145
trans-1,2-Dichloroethene	10	10.	102	4	20	70-130
Trichloroethene	10	10.	105	4	25	70-130
1,2-Dichlorobenzene	10	11.	107	2	20	70-130
1,3-Dichlorobenzene	10	11.	107	1	20	70-130
1,4-Dichlorobenzene	10	11.	109	2	20	70-130
Methyl tert butyl ether	10	10.	100	1	20	63-130
p/m xylene	20	22.	109	3	20	70-130
o Xylene	20	22.	109	3	20	70-130
cis-1,2-Dichloroethene	10	10.	104	3	20	70-130
Styrene	20	22.	111	3	20	70-130
Dichlorodifluoromethane	10	9.9	99	5	20	36-147
Acetone	10	10.	101	8	20	58-148
Carbon disulfide	10	10.	101	6	20	51-130
2-Butanone	10	12.	118	0	20	63-138
Vinyl acetate	10	14.	139 *	0	20	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III 8260

3A

LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY

WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1607846 Matrix: Water

Lab Control Sample: WG878773-3LCS Injected: 03/29/16 09:24 Lab File ID: 0329A02.D

Lab Control Dup : WG878773-4LCSD Injected: 03/29/16 09:48 Lab File ID: 0329A03.D

COMPOUND	SPIKE ADDED (ug/l)	LCSD CONCENTRATION (ug/l)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC.
4-Methyl-2-pentanone	10	10.	105	3	20	59-130
2-Hexanone	10	11.	107	3	20	57-130
Bromochloromethane	10	9.6	96	1	20	70-130
1,2-Dibromoethane	10	11.	110	1	20	70-130
1,2-Dibromo-3-chloroprop	10	13.	127	2	20	41-144
Isopropylbenzene	10	11.	114	3	20	70-130
1,2,3-Trichlorobenzene	10	10.	104	4	20	70-130
1,2,4-Trichlorobenzene	10	9.6	96	0	20	70-130
Methyl Acetate	10	13.	128	6	20	70-130
Cyclohexane	10	11.	109	4	20	70-130
Freon-113	10	10.	100	5	20	70-130
Methyl cyclohexane	10	9.9	99	5	20	70-130

* Values outside of QC limits.

COMMENTS: _____

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FORM III 8260

4A

VOLATILE ORGANICS METHOD BLANK SUMMARY

SAMPLE NO.

WG878773-5BLANK

Lab Name: Alpha Analytical Labs

SDG No.: L1607846

Lab File ID: 0329A05 Lab Sample ID: WG878773-5

Date Analyzed: 03/29/16 Time Analyzed: 10:35

Instrument ID: VOA105.I

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	WG878773-3LCS	WG878773-3	0329A02	03/29/16 09:24
02	WG878773-4LCSD	WG878773-4	0329A03	03/29/16 09:48
03	SW1A 20160316	L1607846-01	0329A08	03/29/16 11:46
04	SW1B 20160316	L1607846-02	0329A09	03/29/16 12:10
05	SW1C 20160316	L1607846-03	0329A10	03/29/16 12:33
06	SW2A 20160316	L1607846-04	0329A11	03/29/16 12:57
07	SW2C 20160316	L1607846-05	0329A12	03/29/16 13:21
08	SW2B 20160316	L1607846-06	0329A13	03/29/16 13:44
09	SW3A 20160316	L1607846-07	0329A14	03/29/16 14:08
10	SW3B 20160316	L1607846-08	0329A15	03/29/16 14:32
11	SW3C 20160316	L1607846-09	0329A16	03/29/16 14:55
12	TRIP BLANK	L1607846-10	0329A17	03/29/16 15:19

COMMENTS: _____

FORM IV 8260 LOW

5A
VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alpha Analytical Labs

SDG No.: L1607846

Lab File ID: BFB0215N_tune BFB Injection Date: 03/15/16

Instrument ID: Voa105.i BFB Injection Time: 21:01

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance
95	Base Peak, 100% relative abundance	100
50	15.0 - 40.0% of mass 95	20.2
75	30.0 - 60.0% of mass 95	48.3
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.3 (0.45)1
174	Greater than 50.0 of mass 95	73.7
175	5.0 - 9.0% of mass 174	5.3 (7.21)1
176	95.0 - 101% of mass 174	71.4 (96.8)1
177	5.0 - 9.0% of mass 176	4.6 (6.43)2

1-Value is % of mass 174 2-Value is % of mass 176

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ICAL L11	ICAL L11	0215N02	03/15/16	21:46
02	ICAL L1	ICAL L1	0215N03	03/15/16	22:10
03	ICAL L2	ICAL L2	0215N04	03/15/16	22:33
04	ICAL L3	ICAL L3	0215N05	03/15/16	22:56
05	ICAL L4	ICAL L4	0215N06	03/15/16	23:19
06	ICAL L6	ICAL L6	0215N07	03/15/16	23:42
07	ICAL L8	ICAL L8	0215N08	03/16/16	00:05
08	ICAL L10	ICAL L10	0215N09	03/16/16	00:29
09	ICV Quant Report	ICV Quant Repo	0215N16	03/16/16	03:11
10	ICV Summary Form	ICV Summary Fo	ccal	03/16/16	03:11

FORM V 8260

5A
VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alpha Analytical Labs

SDG No.: L1607846

Lab File ID: BFB0329A_tune BFB Injection Date: 03/29/16

Instrument ID: Voa105.i BFB Injection Time: 08:47

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance
95	Base Peak, 100% relative abundance	100
50	15.0 - 40.0% of mass 95	23.5
75	30.0 - 60.0% of mass 95	53.4
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.4 (0.64)1
174	Greater than 50.0 of mass 95	62.1
175	5.0 - 9.0% of mass 174	4.4 (7.11)1
176	95.0 - 101% of mass 174	60 (96.5)1
177	5.0 - 9.0% of mass 176	3.8 (6.32)2

1-Value is % of mass 174 2-Value is % of mass 176

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG878773-3LCS	WG878773-3	0329A02	03/29/16	09:24
02	wg878773-2, ccal	wg878773-2, cc	0329A02	03/29/16	09:24
03	WG878773-4LCSD	WG878773-4	0329A03	03/29/16	09:48
04	WG878773-5BLANK	WG878773-5	0329A05	03/29/16	10:35
05	SW1A 20160316	L1607846-01	0329A08	03/29/16	11:46
06	SW1B 20160316	L1607846-02	0329A09	03/29/16	12:10
07	SW1C 20160316	L1607846-03	0329A10	03/29/16	12:33
08	SW2A 20160316	L1607846-04	0329A11	03/29/16	12:57
09	SW2C 20160316	L1607846-05	0329A12	03/29/16	13:21
10	SW2B 20160316	L1607846-06	0329A13	03/29/16	13:44
11	SW3A 20160316	L1607846-07	0329A14	03/29/16	14:08
12	SW3B 20160316	L1607846-08	0329A15	03/29/16	14:32
13	SW3C 20160316	L1607846-09	0329A16	03/29/16	14:55
14	TRIP BLANK	L1607846-10	0329A17	03/29/16	15:19

FORM V 8260

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1607846

Instrument ID: VOA105.I Calibration Date(s): 15-MAR-2016 16-MAR-2016

Calibration Times: 21:46 00:29

Calibration File Names:

Level 1: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N03.D
Level 2: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N04.D
Level 3: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N05.D
Level 4: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N06.D
Level 6: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N07.D
Level 8: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N08.D
Level 10: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N09.D
Level 11: \\Orgserv2\ff\chem\GCMSVOA\Voa105.i\160315N.b\0215N02.D

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2
	2000.0000 Level 10	2.0000 Level 11									
1 dichlorodifluoromethane	0.11189	0.13759	0.17722	0.18196	0.18387	0.17628					
	0.18192	+++++					AVRG		0.16439		17.16237
2 chloromethane	0.11438	0.12955	0.13874	0.15032	0.16130	0.15186					
	0.17571	+++++					AVRG		0.14598		13.96154
3 vinyl chloride	0.11854	0.14530	0.18517	0.18950	0.19344	0.18777					
	0.19362	0.12228					AVRG		0.16695		19.59800

FORM VI-8260-L

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1607846

Instrument ID: VOA105.I Calibration Date(s): 15-MAR-2016 16-MAR-2016

Calibration Times: 21:46 00:29

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	2000.0000 Level 10	2.0000 Level 11	Curve	Coefficients b	m1	m2	%RSD or R^2	
4 bromomethane	1581	7415	42540	140874	433957	653330								
	1208596	+++++							WLINR	0.04730	0.07963		0.99449	<-
5 chloroethane	0.06008	0.07385	0.07894	0.08049	0.08059	0.06775								
	0.05981	+++++							AVRG		0.07164		12.81067	
6 trichlorofluoromethane	0.15846	0.19485	0.24437	0.25031	0.24704	0.22566								
	0.22532	+++++							AVRG		0.22086		15.15227	
7 ethyl ether	0.06199	0.06231	0.07846	0.07873	0.07889	0.07576								
	0.08043	+++++							AVRG		0.07380		10.94174	
8 1,1,-dichloroethene	0.10344	0.12250	0.15085	0.15542	0.15853	0.15365								
	0.15981	+++++							AVRG		0.14346		15.15686	
9 carbon disulfide	0.34692	0.37371	0.45934	0.46913	0.47782	0.47033								
	0.47134	+++++							AVRG		0.43837		12.35308	
10 freon-113	0.10716	0.12974	0.16473	0.16992	0.17392	0.16928								
	0.17312	+++++							AVRG		0.15541		16.88855	

FORM VI-8260-L

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1607846

Instrument ID: VOA105.I Calibration Date(s): 15-MAR-2016 16-MAR-2016

Calibration Times: 21:46 00:29

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
11 methylene chloride	0.10648	0.12411	0.15176	0.15364	0.15621	0.15178						
	0.15896	+++++					AVRG		0.14328		13.92039	
12 acrolein	+++++	0.01557	0.01412	0.01427	0.01475	0.01439						
	0.01579	+++++					AVRG		0.01482		4.76953	<-
13 acetone	5424	6127	20225	55494	139805	205802						
	363078	+++++					WLINR	-0.23052	0.02431		0.99793	<-
14 trans-1,2-dichloroethene	0.11605	0.13405	0.16867	0.17157	0.17395	0.17206						
	0.17732	+++++					AVRG		0.15909		15.06785	
15 Methyl Acetate	0.07767	0.05090	0.05853	0.06158	0.06331	0.06312						
	0.06928	+++++					AVRG		0.06348		13.20252	
16 methyl tert butyl ether	0.24586	0.26648	0.34151	0.34820	0.35078	0.34634						
	0.36689	+++++					AVRG		0.32372		14.57708	
17 Tert-Butyl Alcohol	0.00437	0.00510	0.00624	0.00650	0.00659	0.00675						
	0.00727	+++++					AVRG		0.00612		16.62511	<-

FORM VI-8260-L

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1607846

Instrument ID: VOA105.I Calibration Date(s): 15-MAR-2016 16-MAR-2016

Calibration Times: 21:46 00:29

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
18 Diisopropyl Ether	0.42741	0.46015	0.58148	0.58560	0.58707	0.57723						
	0.58703	+++++					AVRG		0.54371		12.69144	
19 1,1-dichloroethane	0.22534	0.26067	0.32860	0.33410	0.33522	0.32903						
	0.33429	+++++					AVRG		0.30675		14.60373	
20 halothane	0.08574	0.10405	0.13211	0.13651	0.14112	0.14021						
	0.14675	+++++					AVRG		0.12664		17.97391	
21 acrylonitrile	0.03154	0.02963	0.03561	0.03527	0.03506	0.03355						
	0.03645	+++++					AVRG		0.03387		7.28712	<-
22 Ethyl-Tert-Butyl-Ether	0.32687	0.36595	0.47165	0.47926	0.48794	0.48269						
	0.50224	+++++					AVRG		0.44523		15.51428	
23 vinyl acetate	0.20696	0.22957	0.25795	0.23382	0.24589	0.26536						
	0.29813	+++++					AVRG		0.24824		11.79328	
24 cis-1,2-dichloroethene	0.13238	0.14513	0.18424	0.18596	0.18782	0.18591						
	0.19232	+++++					AVRG		0.17340		13.88743	

FORM VI-8260-L

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

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Instrument ID: VOA105.I Calibration Date(s): 15-MAR-2016 16-MAR-2016

Calibration Times: 21:46 00:29

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
25 2,2-dichloropropane	0.19812	0.22192	0.27206	0.27888	0.28144	0.27863						
	0.28334	+++++					AVRG		0.25920		13.29681	
26 Cyclohexane	0.23916	0.26754	0.33503	0.34281	0.34927	0.34201						
	0.34812	+++++					AVRG		0.31771		14.15141	
27 bromochloromethane	0.05592	0.06142	0.07988	0.08221	0.08445	0.08256						
	0.08477	+++++					AVRG		0.07589		15.78275	
28 chloroform	0.22017	0.24500	0.30009	0.30703	0.30881	0.30386						
	0.30874	+++++					AVRG		0.28481		12.82124	
29 Ethyl Acetate	0.07644	0.08084	0.09755	0.09782	0.09775	0.09553						
	0.10268	+++++					AVRG		0.09266		10.68306	
30 carbontetrachloride	0.16204	0.19215	0.25015	0.26221	0.27224	0.26949						
	0.27921	+++++					AVRG		0.24107		18.85927	
31 tetrahydrofuran	0.02520	0.03746	0.03206	0.03230	0.03216	0.03107						
	0.03354	+++++					AVRG		0.03197		11.38292	<-

FORM VI-8260-L

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1607846

Instrument ID: VOA105.I Calibration Date(s): 15-MAR-2016 16-MAR-2016

Calibration Times: 21:46 00:29

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
33 1,1,1-trichloroethane	0.18937	0.22322	0.28182	0.28948	0.29420	0.28964						
	0.29855	+++++					AVRG		0.26661		15.99765	
34 2-butanone	0.06169	0.03880	0.04335	0.04134	0.04112	0.03959						
	0.04266	+++++					AVRG		0.04408		17.98298	<-
35 1,1-dichloropropene	0.16237	0.19037	0.24263	0.24813	0.25165	0.24714						
	0.25484	+++++					AVRG		0.22816		15.99274	
36 benzene	0.54387	0.54829	0.69233	0.69731	0.70662	0.69975						
	0.71758	+++++					AVRG		0.65796		11.68096	
37 Tertiary-Amyl Methyl Ether	0.26088	0.28493	0.36844	0.37681	0.38490	0.38669						
	0.40961	+++++					AVRG		0.35318		16.05073	
39 1,2-dichloroethane	0.16765	0.16880	0.21066	0.20972	0.20949	0.20227						
	0.21031	+++++					AVRG		0.19699		10.08154	
40 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

FORM VI-8260-L

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1607846

Instrument ID: VOA105.I Calibration Date(s): 15-MAR-2016 16-MAR-2016

Calibration Times: 21:46 00:29

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
42 methyl cyclohexane	0.19265	0.23183	0.29495	0.30555	0.32121	0.31414						
	0.31991	+++++					AVRG		0.28289		17.80601	
43 trichloroethene	0.12970	0.14693	0.18626	0.18977	0.19532	0.19209						
	0.19394	+++++					AVRG		0.17629		15.07379	
44 Hexane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	
45 dibromomethane	0.06136	0.06615	0.08589	0.08659	0.08828	0.08594						
	0.09112	+++++					AVRG		0.08076		14.65840	
46 1,2-dichloropropane	0.11994	0.13931	0.17375	0.17639	0.17858	0.17648						
	0.18172	+++++					AVRG		0.16374		14.71223	
47 bromodichloromethane	0.14718	0.16475	0.21591	0.22385	0.23020	0.22703						
	0.23546	+++++					AVRG		0.20634		17.10331	
48 methyl methylacrylate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

FORM VI-8260-L

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1607846

Instrument ID: VOA105.I Calibration Date(s): 15-MAR-2016 16-MAR-2016

Calibration Times: 21:46 00:29

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
49 1,4-Dioxane	0.00069	0.00074	0.00074	0.00080	0.00079	0.00076						
	0.00078	+++++					AVRG		0.00076		5.21532	<-
51 2-Chloroethylvinyl ether	0.05037	0.05782	0.07751	0.07911	0.08000	0.07891						
	0.08485	+++++					AVRG		0.07265		17.98073	
52 cis-1,3-dichloropropene	0.17410	0.19404	0.25714	0.26600	0.27102	0.26780						
	0.27785	+++++					AVRG		0.24399		17.12912	
54 toluene	0.70841	0.58885	0.62463	0.59509	0.58891	0.58476						
	0.58698	+++++					AVRG		0.61109		7.37049	
55 tetrachloroethene	0.16452	0.19440	0.24863	0.25337	0.25772	0.25525						
	0.25685	+++++					AVRG		0.23296		16.16984	
56 4-methyl-2-pentanone	0.02197	0.02577	0.03352	0.03464	0.03515	0.03454						
	0.03732	+++++					AVRG		0.03184		17.82332	<-
57 trans-1,3-dichloropropene	0.17403	0.19810	0.26885	0.27770	0.28296	0.28095						
	0.29301	+++++					AVRG		0.25366		18.62318	

FORM VI-8260-L

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1607846

Instrument ID: VOA105.I Calibration Date(s): 15-MAR-2016 16-MAR-2016

Calibration Times: 21:46 00:29

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
59 ethyl-methacrylate	0.13210	0.14410	0.19295	0.19824	0.19934	0.19629						
	0.20922	+++++					AVRG		0.18175		16.74315	
60 1,1,2-trichloroethane	0.08276	0.09627	0.12224	0.12163	0.12174	0.11967						
	0.12562	+++++					AVRG		0.11285		14.62558	
61 chlorodibromomethane	3196	14389	98625	316100	885266	1343572						
	2392308	+++++					WLINR	0.03827	0.20260		0.99853	
62 1,3-dichloropropane	0.18364	0.20858	0.26337	0.26295	0.26123	0.25707						
	0.26870	+++++					AVRG		0.24365		13.72459	
63 Heptane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
64 1,2-dibromoethane	0.10227	0.10945	0.14242	0.14526	0.14475	0.14244						
	0.15070	+++++					AVRG		0.13390		14.53611	
65 2-hexanone	0.07715	0.07347	0.08129	0.07872	0.07796	0.07616						
	0.08198	+++++					AVRG		0.07810		3.76029	

FORM VI-8260-L

6A

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1607846

Instrument ID: VOA105.I Calibration Date(s): 15-MAR-2016 16-MAR-2016

Calibration Times: 21:46 00:29

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	2000.0000 Level 10	2.0000 Level 11	Curve	Coefficients b	m1	m2	%RSD or R^2
67 chlorobenzene	0.43847	0.50275	0.63434	0.63868	0.64641	0.63938							
	0.63546	+++++							AVRG		0.59078		14.26126
68 ethyl benzene	0.82707	0.88058	1.09979	1.11730	1.12711	1.11866							
	1.10357	+++++							AVRG		1.03915		12.30613
69 1,1,1,2-tetrachloroethane	0.13923	0.15565	0.21092	0.21755	0.22389	0.22391							
	0.23058	+++++							AVRG		0.20025		18.42129
70 p/m xylene	0.28997	0.33882	0.43052	0.44452	0.44858	0.43038							
	0.38869	+++++							AVRG		0.39593		15.31470
71 o xylene	0.28149	0.31810	0.40632	0.41875	0.42097	0.40471							
	0.36692	+++++							AVRG		0.37389		14.62064
72 styrene	0.44005	0.50902	0.65644	0.67835	0.68489	0.65485							
	0.59216	+++++							AVRG		0.60225		15.66839
73 bromoform	1681	6948	47213	156769	446903	682153							
	1223384	+++++							WLINR	0.03984	0.21411		0.99811

FORM VI-8260-L

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1607846

Instrument ID: VOA105.I Calibration Date(s): 15-MAR-2016 16-MAR-2016

Calibration Times: 21:46 00:29

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2
	2000.0000 Level 10	2.0000 Level 11									
74 isopropylbenzene	1.57480	1.80767	2.28028	2.33659	2.36552	2.33301					
	2.23994	+++++					AVRG		2.13397		14.64564
76 bromobenzene	0.36005	0.40005	0.50006	0.50428	0.51111	0.50591					
	0.51140	+++++					AVRG		0.47041		13.37567
77 n-propylbenzene	1.78656	2.01033	2.54457	2.59924	2.62863	2.58676					
	2.47805	+++++					AVRG		2.37631		14.14668
78 1,4-dichloro-2-butane	0.39459	0.45176	0.54986	0.54800	0.53918	0.52924					
	0.55365	+++++					AVRG		0.50947		12.11811
79 1,1,2,2,-tetrachloroethane	0.23028	0.23310	0.29963	0.30085	0.30144	0.29565					
	0.31542	+++++					AVRG		0.28234		12.44901
80 4-ethyltoluene	1.52877	1.76021	2.28998	2.34152	2.37384	2.33756					
	2.23755	+++++					AVRG		2.12420		15.87656
81 Butyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000

FORM VI-8260-L

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1607846

Instrument ID: VOA105.I Calibration Date(s): 15-MAR-2016 16-MAR-2016

Calibration Times: 21:46 00:29

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2
	2000.0000 Level 10	2.0000 Level 11									
82 2-chlorotoluene	1.13358	1.25598	1.55540	1.57173	1.59737	1.58816					
	1.57846	+++++					AVRG		1.46867		12.99532
83 1,3,5-trimethybenzene	1.20840	1.40710	1.79737	1.84326	1.87603	1.84811					
	1.76153	+++++					AVRG		1.67740		15.59550
84 1,2,3-trichloropropane	0.19416	0.20426	0.26699	0.26580	0.26296	0.25552					
	0.26296	+++++					AVRG		0.24466		12.83450
85 trans-1,4-dichloro-2-butene	0.07898	0.07385	0.09104	0.09415	0.09858	0.09608					
	0.10408	+++++					AVRG		0.09096		11.89595
86 cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
87 4-chorotoluene	1.13441	1.23979	1.57131	1.58479	1.61060	1.60742					
	1.58917	+++++					AVRG		1.47678		13.58779
88 tert-butylbenzene	1.05589	1.21068	1.52170	1.55319	1.58996	1.56884					
	1.52820	+++++					AVRG		1.43264		14.69990

FORM VI-8260-L

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

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Instrument ID: VOA105.I Calibration Date(s): 15-MAR-2016 16-MAR-2016

Calibration Times: 21:46 00:29

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2
	2000.0000 Level 10	2.0000 Level 11									
89 1,2,4-trimethylbenzene	1.19487	1.37359	1.77673	1.81734	1.85193	1.82580					
	1.76983	+++++					AVRG		1.65858		15.82082
90 sec-butylbenzene	1.45334	1.65859	2.11368	2.15980	2.21093	2.16239					
	2.09471	+++++					AVRG		1.97906		15.02638
91 p-isopropyltoluene	1.17711	1.37995	1.76588	1.82091	1.86250	1.82297					
	1.74914	+++++					AVRG		1.65407		16.07100
92 1,3-dichlorobenzene	0.66999	0.74681	0.94525	0.95873	0.97849	0.96779					
	0.97020	+++++					AVRG		0.89104		14.26909
94 1,4-dichlorobenzene	0.67029	0.74729	0.93301	0.95210	0.96136	0.94474					
	0.94543	+++++					AVRG		0.87917		13.51287
95 p-Diethylbenzene	0.65616	0.76471	1.01831	1.04716	1.08279	1.06532					
	1.04011	+++++					AVRG		0.95351		17.84657
96 n-butylbenzene	1.03291	1.17547	1.49061	1.51923	1.56608	1.53246					
	1.51426	+++++					AVRG		1.40443		14.98211

FORM VI-8260-L

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1607846

Instrument ID: VOA105.I Calibration Date(s): 15-MAR-2016 16-MAR-2016

Calibration Times: 21:46 00:29

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2
	2000.0000 Level 10	2.0000 Level 11									
97 1,2-dichlorobenzene	0.56071	0.62812	0.78783	0.79770	0.81458	0.79902					
	0.82109	+++++					AVRG		0.74415		14.07062
98 1,2,4,5-tetramethylbenzene	0.98953	1.13045	1.47924	1.52945	1.56898	1.53459					
	1.50238	+++++					AVRG		1.39066		16.62520
99 1,2-dibromo-3-chloropropane	0.08729	0.10465	0.13159	0.13221	0.13442	0.13135					
	0.13610	+++++					AVRG		0.12252		15.41714
100 1,3,5-trichlorobenzene	0.36927	0.41546	0.52477	0.53792	0.54901	0.53158					
	0.53776	+++++					AVRG		0.49511		14.50582
101 hexachlorobutadiene	0.11314	0.13268	0.16085	0.16385	0.16512	0.16120					
	0.16388	+++++					AVRG		0.15153		13.46688
102 1,2,4-trichlorobenzene	0.24457	0.27313	0.33870	0.34974	0.35433	0.34373					
	0.36506	+++++					AVRG		0.32418		14.23145
103 naphthalene	0.39035	0.39345	0.48429	0.49205	0.49266	0.47631					
	0.53635	+++++					AVRG		0.46650		11.66416

FORM VI-8260-L

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1607846

Instrument ID: VOA105.I Calibration Date(s): 15-MAR-2016 16-MAR-2016

Calibration Times: 21:46 00:29

Compound	5.0000 Level 1	20.0000 Level 2	100.0000 Level 3	300.0000 Level 4	800.0000 Level 6	1200.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
	2000.0000 Level 10	2.0000 Level 11										
104 1,2,3-trichlorobenzene	0.14140	0.14739	0.18265	0.18176	0.18249	0.17726						
	0.19763	+++++					AVRG		0.17294		11.89503	
186 iodomethane	3031	15042	111496	421843	1366672	2088912						
	3598840	+++++					WLINR	0.06657	0.24410		0.99477	<-
187 n-butanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
$ 32 dibromofluoromethane	0.25407	0.25869	0.26036	0.26158	0.26463	0.26312						
	0.26899	0.25342					AVRG		0.26061		2.00902	
$ 38 1,2-dichloroethane-d4	0.27432	0.27952	0.27222	0.27442	0.27693	0.26850						
	0.28453	0.27421					AVRG		0.27558		1.75479	
$ 53 toluene-d8	1.25426	1.25709	1.25722	1.24900	1.22804	1.24143						
	1.22992	1.25579					AVRG		1.24660		0.96891	
$ 75 4-bromofluorobenzene	1.05721	1.04379	1.04168	1.03445	1.01555	1.02191						
	1.01704	1.04968					AVRG		1.03516		1.50691	

FORM VI-8260-L

6A

VOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1607846

Instrument ID: VOA105.I Calibration Date(s): 15-MAR-2016 16-MAR-2016

Calibration Times: 21:46 00:29

Average %RSD Results.
Calculated Average %RSD = 13.56378
Maximun Average %RSD = 20.00000
* Passed Average %RSD Test.

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response

FORM VI-8260-L

7A
Volatile Organics CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1607846

Instrument ID: Voa105.i Calibration Date: 29-MAR-2016 Time: 09:24

Lab File ID: 0329A02 Init. Calib. Date(s): 15-MAR-2 16-MAR-2

Sample No: wg878773-2, cca Init. Calib. Times : 21:46 00:29

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.16439	.17071	.05	4	20	
chloromethane	.14598	.17564	.05	20	20	F
vinyl chloride	.16695	.21535	.05	29	20	F
bromomethane	100	115	.05	15	20	
chloroethane	.07164	.13048	.05	82	20	F
trichlorofluoromethane	.22086	.29799	.05	35	20	F
ethyl ether	.0738	.08391	.05	14	20	
1,1,-dichloroethene	.14346	.15071	.05	5	20	
carbon disulfide	.43837	.47081	.05	7	20	
freon-113	.15541	.16258	.05	5	20	
acrolein	.01482	.01631	.05	10	20	F
methylene chloride	.14328	.16558	.05	16	20	
acetone	100	92.678	.05	-7	20	
trans-1,2-dichloroethene	.15909	.16902	.05	6	20	
Methyl Acetate	.06348	.07697	.05	21	20	F
methyl tert butyl ether	.32372	.32024	.05	-1	20	
Tert-Butyl Alcohol	.00612	.00549	.05	-10	20	F
Diisopropyl Ether	.54371	.6675	.05	23	20	F
1,1-dichloroethane	.30675	.36776	.05	20	20	
halothane	.12664	.12186	.05	-4	20	
acrylonitrile	.03387	.04057	.05	20	20	F
Ethyl-Tert-Butyl-Ether	.44523	.46298	.05	4	20	
vinyl acetate	.24824	.34572	.05	39	20	F
cis-1,2-dichloroethene	.1734	.18628	.05	7	20	
2,2-dichloropropane	.2592	.24428	.05	-6	20	
Cyclohexane	.31771	.36384	.05	15	20	
bromochloromethane	.07589	.07357	.05	-3	20	
chloroform	.28481	.32813	.05	15	20	
Ethyl Acetate	.09266	.11073	.05	20	20	
carbontetrachloride	.24107	.22979	.05	-5	20	
tetrahydrofuran	.03197	.03977	.05	24	20	F
1,1,1-trichloroethane	.26661	.27803	.05	4	20	
2-butanone	.04408	.05206	.05	18	20	F
1,1-dichloropropene	.22816	.2553	.05	12	20	
benzene	.65796	.73404	.05	12	20	
Tertiary-Amyl Methyl Ether	.35318	.31919	.05	-10	20	
1,2-dichloroethane	.19699	.2409	.05	22	20	F
methyl cyclohexane	.28289	.29328	.05	4	20	

FORM VII 8260

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1607846

Instrument ID: Voa105.i Calibration Date: 29-MAR-2016 Time: 09:24

Lab File ID: 0329A02 Init. Calib. Date(s): 15-MAR-2 16-MAR-2

Sample No: wg878773-2, cca Init. Calib. Times : 21:46 00:29

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
trichloroethene	.17629	.19214	.05	9	20	
dibromomethane	.08076	.08859	.05	10	20	
1,2-dichloropropane	.16374	.19372	.05	18	20	
bromodichloromethane	.20634	.22466	.05	9	20	
1,4-Dioxane	.00076	.00084	.05	11	20	F
2-Chloroethylvinyl ether	.07265	.0782	.05	8	20	
cis-1,3-dichloropropene	.24399	.2516	.05	3	20	
toluene	.61109	.60778	.05	-1	20	
4-methyl-2-pentanone	.03184	.03239	.05	2	20	F
tetrachloroethene	.23296	.22077	.05	-5	20	
trans-1,3-dichloropropene	.25366	.26918	.05	6	20	
ethyl-methacrylate	.18175	.18667	.05	3	20	
1,1,2-trichloroethane	.11285	.13508	.05	20	20	
chlorodibromomethane	100	87.902	.05	-12	20	
1,3-dichloropropane	.24365	.29576	.05	21	20	F
1,2-dibromoethane	.1339	.14563	.05	9	20	
2-hexanone	.0781	.08144	.05	4	20	
chlorobenzene	.59078	.65336	.05	11	20	
ethyl benzene	1.0391	1.2052	.05	16	20	
1,1,1,2-tetrachloroethane	.20025	.19933	.05	0	20	
p/m xylene	.39593	.44576	.05	13	20	
o xylene	.37389	.42088	.05	13	20	
styrene	.60225	.6845	.05	14	20	
bromoform	100	82.601	.05	-17	20	
isopropylbenzene	2.1339	2.5058	.05	17	20	
bromobenzene	.47041	.5022	.05	7	20	
n-propylbenzene	2.3763	3.0015	.05	26	20	F
1,4-dichloro-2-butane	.50947	.70088	.05	38	20	F
1,1,2,2,-tetrachloroethane	.28234	.36417	.05	29	20	F
4-ethyltoluene	2.1242	2.5322	.05	19	20	
2-chlorotoluene	1.4686	1.8331	.05	25	20	F
1,3,5-trimethybenzene	1.6774	1.9775	.05	18	20	
1,2,3-trichloropropane	.24466	.32601	.05	33	20	F
trans-1,4-dichloro-2-butene	.09096	.10369	.05	14	20	
4-chorotoluene	1.4767	1.8175	.05	23	20	F
tert-butylbenzene	1.4326	1.6100	.05	12	20	
1,2,4-trimethylbenzene	1.6585	1.9639	.05	18	20	
sec-butylbenzene	1.9790	2.3428	.05	18	20	

FORM VII 8260

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1607846

Instrument ID: Voa105.i Calibration Date: 29-MAR-2016 Time: 09:24

Lab File ID: 0329A02 Init. Calib. Date(s): 15-MAR-2 16-MAR-2

Sample No: wg878773-2, cca Init. Calib. Times : 21:46 00:29

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
p-isopropyltoluene	1.6540	1.8670	.05	13	20	
1,3-dichlorobenzene	.89104	.96134	.05	8	20	
1,4-dichlorobenzene	.87917	.97251	.05	11	20	
p-Diethylbenzene	.95351	1.0604	.05	11	20	
n-butylbenzene	1.4044	1.7707	.05	26	20	F
1,2-dichlorobenzene	.74415	.81394	.05	9	20	
1,2,4,5-tetramethylbenzene	1.3906	1.4858	.05	7	20	
1,2-dibromo-3-chloropropane	.12252	.15765	.05	29	20	F
1,3,5-trichlorobenzene	.49511	.48865	.05	-1	20	
hexachlorobutadiene	.15153	.14622	.05	-4	20	
1,2,4-trichlorobenzene	.32418	.31069	.05	-4	20	
naphthalene	.4665	.47307	.05	1	20	
1,2,3-trichlorobenzene	.17294	.17291	.05	0	20	
dibromofluoromethane	.26061	.25609	.05	-2	20	
1,2-dichloroethane-d4	.27558	.30998	.05	12	20	
toluene-d8	1.2466	1.3193	.05	6	20	
4-bromofluorobenzene	1.0351	1.1411	.05	10	20	

FORM VII 8260

8A

VOLATILE ORGANICS INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alpha Analytical Labs

SDG No.: L1607846

Lab File ID (Standard): 0329A02_ccal Date Analyzed: 29-MAR-2016

Instrument ID : Voa105.i Time Analyzed: 09:24

		IS1(FLB) AREA	RT	IS2(CBZ) AREA	RT	IS3(DCB) AREA	RT
	12 HOUR STD	477691	6.30	352765	9.86	156045	12.50
	UPPER LIMIT	955382	6.80	705530	10.36	312090	13.00
	LOWER LIMIT	238846	5.80	176383	9.36	78023	12.00
	EPA SAMPLE NO.						
01	WG878773-3LCS	477691	6.30	352765	9.86	156045	12.50
02	WG878773-4LCSD	488216	6.30	358333	9.86	157680	12.50
03	WG878773-5BLANK	470474	6.30	344545	9.86	146275	12.50
04	SW1A 20160316	453524	6.30	329316	9.86	140547	12.50
05	SW1B 20160316	446226	6.30	323835	9.86	139070	12.50
06	SW1C 20160316	430904	6.30	314561	9.86	135588	12.50
07	SW2A 20160316	430136	6.30	313616	9.86	135293	12.50
08	SW2C 20160316	429353	6.30	312247	9.86	133430	12.50
09	SW2B 20160316	420899	6.30	306241	9.86	132390	12.50
10	SW3A 20160316	411389	6.30	300864	9.86	130575	12.50
11	SW3B 20160316	415905	6.30	302046	9.86	130707	12.50
12	SW3C 20160316	417145	6.30	302767	9.86	129003	12.50
13	TRIP BLANK	413250	6.30	298639	9.86	128544	12.50

IS1(FLB) = FLOUROBENZENE
IS2(CBZ) = CHLOROBENZENE-D5
IS3(DCB) = 1,4-DICHLOROBENZENE-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50 % of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

* Values outside of QC limits.

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Lab Number: L1625236

Client: Anchor QEA, LLC

ATTN: Cindy Fields

Project Name: FORMER GLENS FALLS OU-2

Project Number: E50593-01.01

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SW1B-20160810 (L1625236-03) Analyzed: 08/18/16 11:56 1346
SW1C-20160810 (L1625236-04) Analyzed: 08/18/16 12:25 1353
SW2A-20160810 (L1625236-05) Analyzed: 08/18/16 12:53 1360
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SW3B-20160810 (L1625236-09) Analyzed: 08/18/16 14:45 1385
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Form 7 2116
Form 8 2119

Sample Delivery Group Information

Sample Delivery Group Form

Laboratory Job number: L1625236
Project Manager: Elizabeth Porta **Review Date:** 08/16/2016
Project Number: E50593-01.01
Project Name: FORMER GLENS FALLS OU-2 **Received:** 08/11/2016 14:00
Client Account: Anchor QEA, LLC **Received by:** WM/RS

Samples Delivered by: COURIER **Call Tracker #**
Bill Of Laden N/A **Trackingnum**
Coc Present Present

Container Status Broken **Sample IDs** -04K broken 1L.

All Containers Accounted For? Yes

Were Extra Samples Received? No

Do Sample Labels and COC agree? Yes

Are Samples in Appropriate Containers? Yes

Are Samples Received within Holding time? Yes

pH of Samples upon Receipt 7 **Are samples Properly Preserved?** Yes
Initial pH **preserved in house with** **Final pH**
Other Issues
Chlorine Check N/A

Are VOA/VPH Vials Present? Yes
Aqueous: Do Vials Contain Head Space? No
Soils: Is MeOHCovering the Soil? N/A
Reagent H2O Preserved vials Frozen on N/A
Frozen by Client N/A

Cooler	Seal	Ice Present	Blue Ice Present	Temp. (Celsius)	Frozen upon Receipt	Delivered Direct from Site
A	Absent	Yes	No	4.0 - IR Gun	No	No

B	Absent	Yes	No	5.2 - IR Gun	No	No
C	Absent	Yes	No	3.9 - IR Gun	No	No
F	Absent	Yes	No	5.1 - IR Gun	No	No
D	Absent	Yes	No	4.4 - IR Gun	No	No
E	Absent	Yes	No	4.8 - IR Gun	No	No

LIMS Chain of Custody

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Aug 19 2016, 01:51 pm

Login Number: L1625236
Account: ANCHOR Anchor QEA, LLCProject: E50593-01.01
Received: 11AUG16 Due Date: 19AUG16

Sample #	Client ID	Mat	PR	Collected	Container
L1625236-01	EB 20160811		1	2E 11AUG16 10:00	4-Amber-A1,1-Plastic-A1,2-SVial-A,3-Vial-B,4-Vial-D

DOC: DOC: use volume from container J to create split containers F and G Report to MDL SVOC: No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made DPKG-FULL Package Due Date: 08/19/16

8260,A2-PAH-8270SIM,A2-SVOC-8270,ARCHIVE,DOC-5310,DPKG-FULL,TOC-5310,TSS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1625236-02	SW1A-20160810		1	2E 10AUG16 11:05	4-Amber-A1,1-Plastic-A1,2-SVial-A,3-Vial-B,4-Vial-D

DOC: DOC: use volume from container J to create split containers F and G Report to MDL SVOC: No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made Package Due Date: 08/19/16

8260,A2-PAH-8270SIM,A2-SVOC-8270,ARCHIVE,DOC-5310,TOC-5310,TSS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1625236-03	SW1B-20160810		1	2E 10AUG16 10:55	12-Amber-A1,3-Plastic-A1,6-SVial-A,9-Vial-B,12-Vial-D

L1625236-03 MS L1625236-03 MSD DOC: DOC: use volume from container J to create split containers F and G Report to MDL L1625236-03 DUP SVOC: No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made Package Due Date: 08/19/16

8260,A2-MS/MSD,A2-PAH-8270SIM,A2-SVOC-8270,ARCHIVE,DOC-5310,TOC-5310,TSS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1625236-04	SW1C-20160810		1	2E 10AUG16 10:40	4-Amber-A1,1-Plastic-A1,2-SVial-A,3-Vial-B,4-Vial-D

DOC: DOC: use volume from container J to create split containers F and G Report to MDL -04k Broken 1L SVOC: No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made Package Due Date: 08/19/16

8260,A2-PAH-8270SIM,A2-SVOC-8270,ARCHIVE,DOC-5310,TOC-5310,TSS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1625236-05	SW2A-20160810		1	2E 10AUG16 10:00	4-Amber-A1,1-Plastic-A1,2-SVial-A,3-Vial-B,3-Vial-D

DOC: DOC: use volume from container J to create split containers F and G Report to MDL SVOC: No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made Package Due Date: 08/19/16

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Aug 19 2016, 01:51 pm

Login Number: L1625236
Account: ANCHOR Anchor QEA, LLCProject: E50593-01.01
Received: 11AUG16 Due Date: 19AUG16

Sample #	Client ID	Mat	PR	Collected	Container

8260,A2-PAH-8270SIM,A2-SVOC-8270,ARCHIVE,DOC-5310,TOC-5310,TSS-2540

L1625236-06 SW2B-20160810 1 2E 10AUG16 09:50 4-Amber-A1,1-Plastic-A1,2-SVial-A,3-Vial-B,3-Vial-D

DOC: DOC: use volume from container J to create split containers F and G Report to MDL SVOC: No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made Package Due Date: 08/19/16

8260,A2-PAH-8270SIM,A2-SVOC-8270,ARCHIVE,DOC-5310,TOC-5310,TSS-2540

L1625236-07 SW2C-20160810 1 2E 10AUG16 09:45 4-Amber-A1,1-Plastic-A1,2-SVial-A,3-Vial-B,4-Vial-D

DOC: DOC: use volume from container J to create split containers F and G Report to MDL SVOC: No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made Package Due Date: 08/19/16

8260,A2-PAH-8270SIM,A2-SVOC-8270,ARCHIVE,DOC-5310,TOC-5310,TSS-2540

L1625236-08 SW3A-20160810 1 2E 10AUG16 12:35 4-Amber-A1,1-Plastic-A1,2-SVial-A,3-Vial-B,4-Vial-D

DOC: DOC: use volume from container J to create split containers F and G Report to MDL SVOC: No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made Package Due Date: 08/19/16

8260,A2-PAH-8270SIM,A2-SVOC-8270,ARCHIVE,DOC-5310,TOC-5310,TSS-2540

L1625236-09 SW3B-20160810 1 2E 10AUG16 12:28 4-Amber-A1,1-Plastic-A1,2-SVial-A,3-Vial-B,4-Vial-D

DOC: DOC: use volume from container J to create split containers F and G Report to MDL SVOC: No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made Package Due Date: 08/19/16

8260,A2-PAH-8270SIM,A2-SVOC-8270,ARCHIVE,DOC-5310,TOC-5310,TSS-2540

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Aug 19 2016, 01:51 pm

Login Number: L1625236
Account: ANCHOR Anchor QEA, LLCProject: E50593-01.01
Received: 11AUG16 Due Date: 19AUG16

Sample #	Client ID	Mat	PR	Collected	Container
L1625236-10	SW3C-20160810		1	2E 10AUG16 12:23	4-Amber-A1,1-Plastic-A1,2-SVial-A,3-Vial-B,4-Vial-D

DOC: DOC: use volume from container J to create split containers F and G Report to MDL SVOC: No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made Package Due Date: 08/19/16

8260,A2-PAH-8270SIM,A2-SVOC-8270,ARCHIVE,DOC-5310,TOC-5310,TSS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1625236-11	DUP-20160810		1	2E 10AUG16 00:00	4-Amber-A1,1-Plastic-A1,2-SVial-A,3-Vial-B,4-Vial-D

DOC: DOC: use volume from container J to create split containers F and G Report to MDL SVOC: No PAHs; PAH waters include 2-MN and PAH seds include 2-MN and 1-MN - Report Lists made Package Due Date: 08/19/16

8260,A2-PAH-8270SIM,A2-SVOC-8270,ARCHIVE,DOC-5310,TOC-5310,TSS-2540

Sample #	Client ID	Mat	PR	Collected	Container
L1625236-12	TRIP BLANK-20160811		1	2E 11AUG16 00:00	4-Vial-B

DOC: DOC: use volume from container J to create split containers F and G Report to MDL Package Due Date: 08/19/16

8260

Logged By: Elizabeth Porta

Container Tracking

ALPHA ANALYTICAL LABORATORIES
Container Tracking Report

Container ID	Type	Status	Transaction Date	From Response	From Location	From Operator	To Response	To Location	To Operator
L1625236-01A	Vial-B	INTACT	18-AUG-16	GC/MS	GC/MS	Piotr Duczmalewski	CUSTODY	VOA DEAD FRIDGE	CUSTODY Piotr Duczmalewski
L1625236-01A	Vial-B	INTACT	18-AUG-16	GC/MS	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1625236-01A	Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-01A	Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-01B	Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-01B	Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-01C	Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-01C	Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-01D	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-01D	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-01D	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-01E	Vial-D	INTACT	18-AUG-16	CUSTODY	WETCHEM	Deb Whelan	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Deb Whelan
L1625236-01E	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-01E	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-01E	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-01F	SVial-A	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-01F	SVial-A	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-01G	SVial-A	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-01G	SVial-A	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-01H	Plastic-A1	EMPTY	16-AUG-16	WETCHEM	WETCHEM	Asante Barima	CUSTODY	RETURN WALK-IN CUSTODY	Asante Barima
L1625236-01H	Plastic-A1	INTACT	16-AUG-16	CUSTODY	W1-S2-A CUSTODY	Minh Ly	WETCHEM	WETCHEM	Minh Ly
L1625236-01H	Plastic-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	W1-S2-A CUSTODY	W1-S2-A CUSTODY	Michael Chang
L1625236-01H	Plastic-A1	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-01I	Amber-A1	EMPTY	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Amanda Luiz	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Amanda Luiz
L1625236-01I	Amber-A1	INTACT	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Daniel Robbins	A2-ORGANIC PREP	A2-ORGANIC PREP	Daniel Robbins

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1625236-01I	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-01I	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-01I	Amber-A1	INTACT	12-AUG-16	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	
L1625236-01I	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang
L1625236-01I	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-01J	Amber-A1	INTACT	18-AUG-16		RETURN WALK-IN CUSTODY	Fred Ababio	W2-S4-B CUSTODY	W2-S4-B CUSTODY	Fred Ababio
L1625236-01J	Amber-A1	INTACT	18-AUG-16	WETCHEM	WETCHEM	Sonja Dayn	CUSTODY	RETURN WALK-IN CUSTODY	Sonja Dayn
L1625236-01J	Amber-A1	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-01J	Amber-A1	INTACT	18-AUG-16	TRANSIT COURIER	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Charles Hayden
L1625236-01J	Amber-A1	INTACT	18-AUG-16	COOLER10-TRANSFER_TO_WESTBORO	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER10-TRANSFER_TO_WESTBORO	
L1625236-01J	Amber-A1	INTACT	18-AUG-16	CUSTODY	A2-CUSTODY-NOAA1	Kim L. Bailey	COOLER10-TRANSFER_TO_WESTBORO	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Bailey
L1625236-01J	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-01J	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-01J	Amber-A1	INTACT	12-AUG-16	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	
L1625236-01J	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang
L1625236-01J	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-01K	Amber-A1	EMPTY	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Amanda Luiz	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Amanda Luiz
L1625236-01K	Amber-A1	INTACT	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Amanda Luiz	A2-ORGANIC PREP	A2-ORGANIC PREP	Amanda Luiz
L1625236-01K	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-01K	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-01K	Amber-A1	INTACT	12-AUG-16	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	
L1625236-01K	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang
L1625236-01K	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-01L	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-01L	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1625236-01L	Amber-A1	INTACT	12-AUG-16	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	
L1625236-01L	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang
L1625236-01L	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-01Y	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-01Y	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-01Y	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-01Z	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-01Z	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-01Z	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-02A	Vial-B	INTACT	18-AUG-16	GC/MS	GC/MS	Piotr Duczmalewski	CUSTODY	VOA DEAD FRIDGE	CUSTODY Piotr Duczmalewski
L1625236-02A	Vial-B	INTACT	18-AUG-16	GC/MS	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1625236-02A	Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-02A	Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-02B	Vial-B	INTACT	17-AUG-16	GC/MS	GC/MS	Edward Beauregard	CUSTODY	VOA DEAD FRIDGE	CUSTODY Edward Beauregard
L1625236-02B	Vial-B	INTACT	17-AUG-16	GC/MS	VOA CUSTODY	Edward Beauregard	GC/MS	GC/MS	Edward Beauregard
L1625236-02B	Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-02B	Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-02C	Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-02C	Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-02D	Vial-D	INTACT	18-AUG-16	CUSTODY	WETCHEM	Deb Whelan	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Deb Whelan
L1625236-02D	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-02D	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-02D	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-02E	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-02E	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1625236-02E	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-02F	SVial-A	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-02F	SVial-A	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-02G	SVial-A	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-02G	SVial-A	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-02H	Plastic-A1	EMPTY	16-AUG-16	WETCHEM	WETCHEM	Asante Barima	CUSTODY	RETURN WALK-IN CUSTODY	Asante Barima
L1625236-02H	Plastic-A1	INTACT	16-AUG-16	CUSTODY	W1-S2-A CUSTODY	Minh Ly	WETCHEM	WETCHEM	Minh Ly
L1625236-02H	Plastic-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	W1-S2-A CUSTODY	W1-S2-A CUSTODY	Michael Chang
L1625236-02H	Plastic-A1	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-02I	Amber-A1	EMPTY	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Amanda Luiz	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Amanda Luiz
L1625236-02I	Amber-A1	INTACT	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Daniel Robbins	A2-ORGANIC PREP	A2-ORGANIC PREP	Daniel Robbins
L1625236-02I	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-02I	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-02I	Amber-A1	INTACT	12-AUG-16	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	
L1625236-02I	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang
L1625236-02I	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-02J	Amber-A1	INTACT	18-AUG-16		RETURN WALK-IN CUSTODY	Fred Ababio	W2-S4-B CUSTODY	W2-S4-B CUSTODY	Fred Ababio
L1625236-02J	Amber-A1	INTACT	18-AUG-16	WETCHEM	WETCHEM	Sonja Dayn	CUSTODY	RETURN WALK-IN CUSTODY	Sonja Dayn
L1625236-02J	Amber-A1	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-02J	Amber-A1	INTACT	18-AUG-16	TRANSIT COURIER	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Charles Hayden
L1625236-02J	Amber-A1	INTACT	18-AUG-16	COOLER10-TRANSFER_TO_WESTBORO	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER10-TRANSFER_TO_WESTBORO	
L1625236-02J	Amber-A1	INTACT	18-AUG-16	CUSTODY	A2-CUSTODY-NOAA1	Kim L. Bailey	COOLER10-TRANSFER_TO_WESTBORO	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Baile
L1625236-02J	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-02J	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-02J	Amber-A1	INTACT	12-AUG-16	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	

Container ID	Type	Status	Transaction Date	From Response	From Location	From Operator	To Response	To Location	To Operator
L1625236-02J	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang
L1625236-02J	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-02K	Amber-A1	EMPTY	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Amanda Luiz	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Amanda Luiz
L1625236-02K	Amber-A1	INTACT	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Amanda Luiz	A2-ORGANIC PREP	A2-ORGANIC PREP	Amanda Luiz
L1625236-02K	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-02K	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-02K	Amber-A1	INTACT	12-AUG-16	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	
L1625236-02K	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang
L1625236-02K	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-02L	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-02L	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-02L	Amber-A1	INTACT	12-AUG-16	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	
L1625236-02L	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang
L1625236-02L	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-02Y	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-02Y	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-02Y	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-02Z	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-02Z	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-02Z	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-03A	Vial-B	INTACT	18-AUG-16	GC/MS	GC/MS	Piotr Duczmalewski	CUSTODY	VOA DEAD FRIDGE	CUSTODY Piotr Duczmalewski
L1625236-03A	Vial-B	INTACT	18-AUG-16	GC/MS	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1625236-03A	Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-03A	Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-03A1	Vial-B	INTACT	18-AUG-16	GC/MS	GC/MS	Piotr Duczmalewski	CUSTODY	VOA DEAD FRIDGE	CUSTODY Piotr Duczmalewski

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1625236-03A1 Vial-B	INTACT	18-AUG-16	GC/MS	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1625236-03A1 Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-03A1 Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-03A2 Vial-B	INTACT	19-AUG-16	GC/MS	GC/MS	Piotr Duczmalewski	CUSTODY	VOA DEAD FRIDGE	CUSTODY Piotr Duczmalewski
L1625236-03A2 Vial-B	INTACT	18-AUG-16	GC/MS	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1625236-03A2 Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-03A2 Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-03B Vial-B	INTACT	17-AUG-16	GC/MS	GC/MS	Edward Beauregard	CUSTODY	VOA DEAD FRIDGE	CUSTODY Edward Beauregard
L1625236-03B Vial-B	INTACT	17-AUG-16	GC/MS	VOA CUSTODY	Edward Beauregard	GC/MS	GC/MS	Edward Beauregard
L1625236-03B Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-03B Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-03C Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-03C Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-03C2 Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-03C2 Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-03D Vial-D	INTACT	18-AUG-16	CUSTODY	WETCHEM	Deb Whelan	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Deb Whelan
L1625236-03D Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-03D Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-03D Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-03D1 Vial-D	INTACT	18-AUG-16	CUSTODY	WETCHEM	Deb Whelan	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Deb Whelan
L1625236-03D1 Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-03D1 Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-03D1 Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-03D2 Vial-D	INTACT	18-AUG-16	CUSTODY	WETCHEM	Deb Whelan	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Deb Whelan
L1625236-03D2 Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1625236-03D2 Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-03D2 Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-03E Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-03E Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-03E Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-03E1 Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-03E1 Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-03E1 Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-03E2 Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-03E2 Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-03E2 Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-03F SVial-A	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-03F SVial-A	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-03F1 SVial-A	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-03F1 SVial-A	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-03F2 SVial-A	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-03F2 SVial-A	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-03G SVial-A	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-03G SVial-A	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-03G1 SVial-A	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-03G1 SVial-A	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-03G2 SVial-A	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-03G2 SVial-A	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-03H Plastic-A1	EMPTY	16-AUG-16	WETCHEM	WETCHEM	Asante Barima	CUSTODY	RETURN WALK-IN CUSTODY	Asante Barima
L1625236-03H Plastic-A1	INTACT	16-AUG-16	CUSTODY	W1-S2-A CUSTODY	Minh Ly	WETCHEM	WETCHEM	Minh Ly

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1625236-03H Plastic-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	W1-S2-A CUSTODY	W1-S2-A CUSTODY	Michael Chang
L1625236-03H Plastic-A1	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-03H1 Plastic-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	W1-S2-A CUSTODY	W1-S2-A CUSTODY	Michael Chang
L1625236-03H1 Plastic-A1	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-03H2 Plastic-A1	EMPTY	16-AUG-16	WETCHEM	WETCHEM	Asante Barima	CUSTODY	RETURN WALK-IN CUSTODY	Asante Barima
L1625236-03H2 Plastic-A1	INTACT	16-AUG-16	CUSTODY	W1-S2-A CUSTODY	Minh Ly	WETCHEM	WETCHEM	Minh Ly
L1625236-03H2 Plastic-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	W1-S2-A CUSTODY	W1-S2-A CUSTODY	Michael Chang
L1625236-03H2 Plastic-A1	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-03I Amber-A1	EMPTY	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Amanda Luiz	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Amanda Luiz
L1625236-03I Amber-A1	INTACT	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Daniel Robbins	A2-ORGANIC PREP	A2-ORGANIC PREP	Daniel Robbins
L1625236-03I Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-03I Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-03I Amber-A1	INTACT	12-AUG-16	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	
L1625236-03I Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang
L1625236-03I Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-03I1 Amber-A1	EMPTY	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Amanda Luiz	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Amanda Luiz
L1625236-03I1 Amber-A1	INTACT	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Daniel Robbins	A2-ORGANIC PREP	A2-ORGANIC PREP	Daniel Robbins
L1625236-03I1 Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-03I1 Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER26-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-03I1 Amber-A1	INTACT	12-AUG-16	COOLER26-TRANSFER_TO_MANSFIELD	COOLER26-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER26-TRANSFER_TO_MANSF	
L1625236-03I1 Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER26-TRANSFER_TO_MANSFIELD	COOLER26-TRANSFER_TO_MANSFIELD	Michael Cha
L1625236-03I1 Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-03I2 Amber-A1	EMPTY	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Amanda Luiz	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Amanda Luiz
L1625236-03I2 Amber-A1	INTACT	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Daniel Robbins	A2-ORGANIC PREP	A2-ORGANIC PREP	Daniel Robbins
L1625236-03I2 Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1625236-03I2 Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER26-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-03I2 Amber-A1	INTACT	12-AUG-16	COOLER26-TRANSFER_TO_MANSFIELD	COOLER26-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER26-TRANSFER_TO_MANSF
L1625236-03I2 Amber-A1	INTACT	12-AUG-16	CUSTODY	Michael Chang	COOLER26-TRANSFER_TO_MANSFIELD	COOLER26-TRANSFER_TO_MANSFIELD	Michael Cha	
L1625236-03I2 Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-03J Amber-A1	INTACT	18-AUG-16	RETURN WALK-IN	CUSTODY	Fred Ababio	W2-S4-B	CUSTODY	W2-S4-B CUSTODY Fred Ababio
L1625236-03J Amber-A1	INTACT	18-AUG-16	WETCHEM	WETCHEM	Sonja Dayn	CUSTODY	RETURN WALK-IN	CUSTODY Sonja Dayn
L1625236-03J Amber-A1	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-03J Amber-A1	INTACT	18-AUG-16	TRANSIT COURIER	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Charles Hayden
L1625236-03J Amber-A1	INTACT	18-AUG-16	COOLER10-TRANSFER_TO_WESTBORO	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER10-TRANSFER_TO_WESTBORO	
L1625236-03J Amber-A1	INTACT	18-AUG-16	CUSTODY	A2-CUSTODY-NOAA1	Kim L. Bailey	COOLER10-TRANSFER_TO_WESTBORO	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Baile
L1625236-03J Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-03J Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-03J Amber-A1	INTACT	12-AUG-16	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	
L1625236-03J Amber-A1	INTACT	12-AUG-16	CUSTODY	Michael Chang	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	
L1625236-03J Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-03J1 Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-03J1 Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER26-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-03J1 Amber-A1	INTACT	12-AUG-16	COOLER26-TRANSFER_TO_MANSFIELD	COOLER26-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER26-TRANSFER_TO_MANSF	
L1625236-03J1 Amber-A1	INTACT	12-AUG-16	CUSTODY	Michael Chang	COOLER26-TRANSFER_TO_MANSFIELD	COOLER26-TRANSFER_TO_MANSFIELD	Michael Cha	
L1625236-03J1 Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-03J2 Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-03J2 Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER26-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-03J2 Amber-A1	INTACT	12-AUG-16	COOLER26-TRANSFER_TO_MANSFIELD	COOLER26-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER26-TRANSFER_TO_MANSF	
L1625236-03J2 Amber-A1	INTACT	12-AUG-16	CUSTODY	Michael Chang	COOLER26-TRANSFER_TO_MANSFIELD	COOLER26-TRANSFER_TO_MANSFIELD	Michael Cha	
L1625236-03J2 Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon

Container ID Type	Status	Transaction Date	From Response	Location	Operator	To Response	Location	Operator
L1625236-03K Amber-A1	EMPTY	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Amanda Luiz	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Amanda Luiz
L1625236-03K Amber-A1	INTACT	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Amanda Luiz	A2-ORGANIC PREP	A2-ORGANIC PREP	Amanda Luiz
L1625236-03K Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-03K Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-03K Amber-A1	INTACT	12-AUG-16	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	
L1625236-03K Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang
L1625236-03K Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-03K1 Amber-A1	EMPTY	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Amanda Luiz	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Amanda Luiz
L1625236-03K1 Amber-A1	INTACT	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Amanda Luiz	A2-ORGANIC PREP	A2-ORGANIC PREP	Amanda Luiz
L1625236-03K1 Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-03K1 Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER26-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-03K1 Amber-A1	INTACT	12-AUG-16	COOLER26-TRANSFER_TO_MANSFIELD	COOLER26-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER26-TRANSFER_TO_MANSF	
L1625236-03K1 Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER26-TRANSFER_TO_MANSFIELD	COOLER26-TRANSFER_TO_MANSFIELD	Michael Cha
L1625236-03K1 Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-03K2 Amber-A1	EMPTY	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Amanda Luiz	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Amanda Luiz
L1625236-03K2 Amber-A1	INTACT	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Amanda Luiz	A2-ORGANIC PREP	A2-ORGANIC PREP	Amanda Luiz
L1625236-03K2 Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-03K2 Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER26-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-03K2 Amber-A1	INTACT	12-AUG-16	COOLER26-TRANSFER_TO_MANSFIELD	COOLER26-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER26-TRANSFER_TO_MANSF	
L1625236-03K2 Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER26-TRANSFER_TO_MANSFIELD	COOLER26-TRANSFER_TO_MANSFIELD	Michael Cha
L1625236-03K2 Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-03L Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-03L Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-03L Amber-A1	INTACT	12-AUG-16	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	
L1625236-03L Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1625236-03L Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-03L1 Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-03L1 Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-03L1 Amber-A1	INTACT	12-AUG-16	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSF	
L1625236-03L1 Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Cha
L1625236-03L1 Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-03L2 Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-03L2 Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER26-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-03L2 Amber-A1	INTACT	12-AUG-16	COOLER26-TRANSFER_TO_MANSFIELD	COOLER26-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER26-TRANSFER_TO_MANSF	
L1625236-03L2 Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER26-TRANSFER_TO_MANSFIELD	COOLER26-TRANSFER_TO_MANSFIELD	Michael Cha
L1625236-03L2 Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-03Y Vial-D	INTACT	18-AUG-16	CUSTODY	WETCHEM	Deb Whelan	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Deb Whelan
L1625236-03Y Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-03Y Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-03Y Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-03Y1 Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-03Y1 Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-03Y1 Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-03Y2 Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-03Y2 Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-03Y2 Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-03Z Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-03Z Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-03Z Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-03Z1 Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1625236-03Z1 Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-03Z1 Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-03Z2 Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-03Z2 Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-03Z2 Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-04A Vial-B	INTACT	18-AUG-16	GC/MS	GC/MS	Piotr Duczmalewski	CUSTODY	VOA DEAD FRIDGE	CUSTODY Piotr Duczmalewski
L1625236-04A Vial-B	INTACT	18-AUG-16	GC/MS	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1625236-04A Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-04A Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-04B Vial-B	INTACT	17-AUG-16	GC/MS	GC/MS	Edward Beauregard	CUSTODY	VOA DEAD FRIDGE	CUSTODY Edward Beauregard
L1625236-04B Vial-B	INTACT	17-AUG-16	GC/MS	VOA CUSTODY	Edward Beauregard	GC/MS	GC/MS	Edward Beauregard
L1625236-04B Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-04B Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-04C Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-04C Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-04D Vial-D	INTACT	18-AUG-16	CUSTODY	WETCHEM	Deb Whelan	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Deb Whelan
L1625236-04D Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-04D Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-04D Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-04E Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-04E Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-04E Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-04F SVial-A	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-04F SVial-A	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-04G SVial-A	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1625236-04G	SVial-A	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-04H	Plastic-A1	EMPTY	16-AUG-16	WETCHEM	WETCHEM	Asante Barima	CUSTODY	RETURN WALK-IN CUSTODY	Asante Barima
L1625236-04H	Plastic-A1	INTACT	16-AUG-16	CUSTODY	W1-S2-A CUSTODY	Minh Ly	WETCHEM	WETCHEM	Minh Ly
L1625236-04H	Plastic-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	W1-S2-A CUSTODY	W1-S2-A CUSTODY	Michael Chang
L1625236-04H	Plastic-A1	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-04I	Amber-A1	INTACT	18-AUG-16		RETURN WALK-IN CUSTODY	Fred Ababio	W2-S4-B CUSTODY	W2-S4-B CUSTODY	Fred Ababio
L1625236-04I	Amber-A1	INTACT	18-AUG-16	WETCHEM	WETCHEM	Sonja Dayn	CUSTODY	RETURN WALK-IN CUSTODY	Sonja Dayn
L1625236-04I	Amber-A1	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-04I	Amber-A1	INTACT	18-AUG-16	TRANSIT COURIER	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Charles Hayden
L1625236-04I	Amber-A1	INTACT	18-AUG-16	COOLER10-TRANSFER_TO_WESTBORO	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER10-TRANSFER_TO_WESTBORO	
L1625236-04I	Amber-A1	INTACT	18-AUG-16	CUSTODY	A2-CUSTODY-NOAA1	Kim L. Bailey	COOLER10-TRANSFER_TO_WESTBORO	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Baile
L1625236-04I	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-04I	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-04I	Amber-A1	INTACT	12-AUG-16	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFI	
L1625236-04I	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Cha
L1625236-04I	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-04J	Amber-A1	EMPTY	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Amanda Luiz	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Amanda Luiz
L1625236-04J	Amber-A1	INTACT	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Amanda Luiz	A2-ORGANIC PREP	A2-ORGANIC PREP	Amanda Luiz
L1625236-04J	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-04J	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-04J	Amber-A1	INTACT	12-AUG-16	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	
L1625236-04J	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang
L1625236-04J	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-04K	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-04K	Amber-A1	INTACT	12-AUG-16	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	

Container ID	Type	Status	Transaction Date	From Response	From Location	From Operator	To Response	To Location	To Operator
L1625236-04K	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang
L1625236-04K	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-04L	Amber-A1	EMPTY	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Amanda Luiz	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Amanda Luiz
L1625236-04L	Amber-A1	INTACT	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Daniel Robbins	A2-ORGANIC PREP	A2-ORGANIC PREP	Daniel Robbins
L1625236-04L	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-04L	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-04L	Amber-A1	INTACT	12-AUG-16	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER7-TRANSFER_TO_MANSFIELD	
L1625236-04L	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER7-TRANSFER_TO_MANSFIELD	COOLER7-TRANSFER_TO_MANSFIELD	Michael Chang
L1625236-04L	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-04Y	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-04Y	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-04Y	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-04Z	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-04Z	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-04Z	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-05A	Vial-B	INTACT	18-AUG-16	GC/MS	GC/MS	Piotr Duczmalewski	CUSTODY	VOA DEAD FRIDGE	CUSTODY Piotr Duczmalewski
L1625236-05A	Vial-B	INTACT	18-AUG-16	GC/MS	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1625236-05A	Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-05A	Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-05B	Vial-B	INTACT	17-AUG-16	GC/MS	GC/MS	Edward Beauregard	CUSTODY	VOA DEAD FRIDGE	CUSTODY Edward Beauregard
L1625236-05B	Vial-B	INTACT	17-AUG-16	GC/MS	VOA CUSTODY	Edward Beauregard	GC/MS	GC/MS	Edward Beauregard
L1625236-05B	Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-05B	Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-05C	Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-05C	Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1625236-05D	Vial-D	INTACT	18-AUG-16	CUSTODY	WETCHEM	Deb Whelan	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Deb Whelan
L1625236-05D	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-05D	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-05D	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-05E	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-05E	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-05E	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-05F	SVial-A	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-05F	SVial-A	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-05G	SVial-A	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-05G	SVial-A	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-05H	Plastic-A1	EMPTY	16-AUG-16	WETCHEM	WETCHEM	Asante Barima	CUSTODY	RETURN WALK-IN CUSTODY	Asante Barima
L1625236-05H	Plastic-A1	INTACT	16-AUG-16	CUSTODY	W1-S2-A CUSTODY	Minh Ly	WETCHEM	WETCHEM	Minh Ly
L1625236-05H	Plastic-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	W1-S2-A CUSTODY	W1-S2-A CUSTODY	Michael Chang
L1625236-05H	Plastic-A1	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-05I	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-05I	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-05I	Amber-A1	INTACT	12-AUG-16	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFI	
L1625236-05I	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Cha
L1625236-05I	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-05J	Amber-A1	INTACT	18-AUG-16		RETURN WALK-IN CUSTODY	Fred Ababio	W2-S4-B CUSTODY	W2-S4-B CUSTODY	Fred Ababio
L1625236-05J	Amber-A1	INTACT	18-AUG-16	WETCHEM	WETCHEM	Sonja Dayn	CUSTODY	RETURN WALK-IN CUSTODY	Sonja Dayn
L1625236-05J	Amber-A1	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-05J	Amber-A1	INTACT	18-AUG-16	TRANSIT COURIER	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Charles Hayden
L1625236-05J	Amber-A1	INTACT	18-AUG-16	COOLER10-TRANSFER_TO_WESTBORO	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER10-TRANSFER_TO_WESTBORO	

Container ID	Type	Status	Transaction Date	From Response	Location	Operator	To Response	Location	Operator
L1625236-05J	Amber-A1	INTACT	18-AUG-16	CUSTODY	A2-CUSTODY-NOAA1	Kim L. Bailey	COOLER10-TRANSFER_TO_WESTBORO	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Baile
L1625236-05J	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-05J	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-05J	Amber-A1	INTACT	12-AUG-16	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFI	
L1625236-05J	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Cha
L1625236-05J	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-05K	Amber-A1	EMPTY	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Amanda Luiz	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Amanda Luiz
L1625236-05K	Amber-A1	INTACT	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Amanda Luiz	A2-ORGANIC PREP	A2-ORGANIC PREP	Amanda Luiz
L1625236-05K	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-05K	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-05K	Amber-A1	INTACT	12-AUG-16	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFI	
L1625236-05K	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Cha
L1625236-05K	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-05L	Amber-A1	EMPTY	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Amanda Luiz	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Amanda Luiz
L1625236-05L	Amber-A1	INTACT	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Daniel Robbins	A2-ORGANIC PREP	A2-ORGANIC PREP	Daniel Robbins
L1625236-05L	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-05L	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-05L	Amber-A1	INTACT	12-AUG-16	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFI	
L1625236-05L	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Cha
L1625236-05L	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-05Y	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-05Y	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-05Y	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-06A	Vial-B	INTACT	18-AUG-16	GC/MS	GC/MS	Piotr Duczmalewski	CUSTODY	VOA DEAD FRIDGE	CUSTODY Piotr Duczmalewski
L1625236-06A	Vial-B	INTACT	18-AUG-16	GC/MS	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1625236-06A	Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-06A	Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-06B	Vial-B	INTACT	17-AUG-16	GC/MS	GC/MS	Edward Beauregard	CUSTODY	VOA DEAD FRIDGE	CUSTODY Edward Beauregard
L1625236-06B	Vial-B	INTACT	17-AUG-16	GC/MS	VOA CUSTODY	Edward Beauregard	GC/MS	GC/MS	Edward Beauregard
L1625236-06B	Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-06B	Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-06C	Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-06C	Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-06D	Vial-D	INTACT	18-AUG-16	CUSTODY	WETCHEM	Deb Whelan	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Deb Whelan
L1625236-06D	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-06D	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-06D	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-06E	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-06E	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-06E	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-06F	SVial-A	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-06F	SVial-A	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-06G	SVial-A	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-06G	SVial-A	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-06H	Plastic-A1	EMPTY	16-AUG-16	WETCHEM	WETCHEM	Asante Barima	CUSTODY	RETURN WALK-IN CUSTODY	Asante Barima
L1625236-06H	Plastic-A1	INTACT	16-AUG-16	CUSTODY	W1-S2-A CUSTODY	Minh Ly	WETCHEM	WETCHEM	Minh Ly
L1625236-06H	Plastic-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	W1-S2-A CUSTODY	W1-S2-A CUSTODY	Michael Chang
L1625236-06H	Plastic-A1	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-06I	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-06I	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1625236-06I	Amber-A1	INTACT	12-AUG-16	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFI	
L1625236-06I	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Cha
L1625236-06I	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-06J	Amber-A1	INTACT	18-AUG-16		RETURN WALK-IN	CUSTODY Fred Ababio	W2-S4-B CUSTODY	W2-S4-B CUSTODY	Fred Ababio
L1625236-06J	Amber-A1	INTACT	18-AUG-16	WETCHEM	WETCHEM	Sonja Dayn	CUSTODY	RETURN WALK-IN CUSTODY	Sonja Dayn
L1625236-06J	Amber-A1	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-06J	Amber-A1	INTACT	18-AUG-16	TRANSIT COURIER	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Charles Hayden
L1625236-06J	Amber-A1	INTACT	18-AUG-16	COOLER10-TRANSFER_TO_WESTBORO	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER10-TRANSFER_TO_WESTBORO	
L1625236-06J	Amber-A1	INTACT	18-AUG-16	CUSTODY	A2-CUSTODY-NOAA1	Kim L. Bailey	COOLER10-TRANSFER_TO_WESTBORO	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Baile
L1625236-06J	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-06J	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-06J	Amber-A1	INTACT	12-AUG-16	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFI	
L1625236-06J	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Cha
L1625236-06J	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-06K	Amber-A1	EMPTY	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Amanda Luiz	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Amanda Luiz
L1625236-06K	Amber-A1	INTACT	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Amanda Luiz	A2-ORGANIC PREP	A2-ORGANIC PREP	Amanda Luiz
L1625236-06K	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-06K	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-06K	Amber-A1	INTACT	12-AUG-16	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFI	
L1625236-06K	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Cha
L1625236-06K	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-06L	Amber-A1	EMPTY	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Amanda Luiz	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Amanda Luiz
L1625236-06L	Amber-A1	INTACT	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Daniel Robbins	A2-ORGANIC PREP	A2-ORGANIC PREP	Daniel Robbins
L1625236-06L	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-06L	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1625236-06L	Amber-A1	INTACT	12-AUG-16	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang
L1625236-06L	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang
L1625236-06L	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-06Y	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-06Y	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-06Y	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-07A	Vial-B	INTACT	18-AUG-16	GC/MS	GC/MS	Piotr Duczmalewski	CUSTODY	VOA DEAD FRIDGE	CUSTODY Piotr Duczmalewski
L1625236-07A	Vial-B	INTACT	18-AUG-16	GC/MS	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1625236-07A	Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-07A	Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-07B	Vial-B	INTACT	17-AUG-16	GC/MS	GC/MS	Edward Beauregard	CUSTODY	VOA DEAD FRIDGE	CUSTODY Edward Beauregard
L1625236-07B	Vial-B	INTACT	17-AUG-16	GC/MS	VOA CUSTODY	Edward Beauregard	GC/MS	GC/MS	Edward Beauregard
L1625236-07B	Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-07B	Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-07C	Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-07C	Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-07D	Vial-D	INTACT	18-AUG-16	CUSTODY	WETCHEM	Deb Whelan	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Deb Whelan
L1625236-07D	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-07D	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-07D	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-07E	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-07E	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-07E	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-07F	SVial-A	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-07F	SVial-A	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1625236-07G	SVial-A	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-07G	SVial-A	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-07H	Plastic-A1	EMPTY	16-AUG-16	WETCHEM	WETCHEM	Asante Barima	CUSTODY	RETURN WALK-IN CUSTODY	Asante Barima
L1625236-07H	Plastic-A1	INTACT	16-AUG-16	CUSTODY	W1-S2-A CUSTODY	Minh Ly	WETCHEM	WETCHEM	Minh Ly
L1625236-07H	Plastic-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	W1-S2-A CUSTODY	W1-S2-A CUSTODY	Michael Chang
L1625236-07H	Plastic-A1	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-07I	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-07I	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-07I	Amber-A1	INTACT	12-AUG-16	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFI	
L1625236-07I	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Cha
L1625236-07I	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-07J	Amber-A1	INTACT	18-AUG-16		RETURN WALK-IN CUSTODY	Fred Ababio	W2-S4-B CUSTODY	W2-S4-B CUSTODY	Fred Ababio
L1625236-07J	Amber-A1	INTACT	18-AUG-16	WETCHEM	WETCHEM	Sonja Dayn	CUSTODY	RETURN WALK-IN CUSTODY	Sonja Dayn
L1625236-07J	Amber-A1	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-07J	Amber-A1	INTACT	18-AUG-16	TRANSIT COURIER	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Charles Hayden
L1625236-07J	Amber-A1	INTACT	18-AUG-16	COOLER10-TRANSFER_TO_WESTBORO	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER10-TRANSFER_TO_WESTBORO	
L1625236-07J	Amber-A1	INTACT	18-AUG-16	CUSTODY	A2-CUSTODY-NOAA1	Kim L. Bailey	COOLER10-TRANSFER_TO_WESTBORO	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Baile
L1625236-07J	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-07J	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-07J	Amber-A1	INTACT	12-AUG-16	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFI	
L1625236-07J	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Cha
L1625236-07J	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-07K	Amber-A1	EMPTY	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Amanda Luiz	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Amanda Luiz
L1625236-07K	Amber-A1	INTACT	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Amanda Luiz	A2-ORGANIC PREP	A2-ORGANIC PREP	Amanda Luiz
L1625236-07K	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard

Container ID	Type	Status	Transaction Date	From Response	From Location	From Operator	To Response	To Location	To Operator
L1625236-07K	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-07K	Amber-A1	INTACT	12-AUG-16	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFI	
L1625236-07K	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Cha
L1625236-07K	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-07L	Amber-A1	EMPTY	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Amanda Luiz	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Amanda Luiz
L1625236-07L	Amber-A1	INTACT	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Daniel Robbins	A2-ORGANIC PREP	A2-ORGANIC PREP	Daniel Robbins
L1625236-07L	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-07L	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-07L	Amber-A1	INTACT	12-AUG-16	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFI	
L1625236-07L	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Cha
L1625236-07L	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-07Y	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-07Y	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-07Y	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-07Z	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-07Z	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-07Z	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-08A	Vial-B	INTACT	18-AUG-16	GC/MS	GC/MS	Piotr Duczmalewski	CUSTODY	VOA DEAD FRIDGE	CUSTODY Piotr Duczmalewski
L1625236-08A	Vial-B	INTACT	18-AUG-16	GC/MS	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1625236-08A	Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-08A	Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-08B	Vial-B	INTACT	17-AUG-16	GC/MS	GC/MS	Edward Beauregard	CUSTODY	VOA DEAD FRIDGE	CUSTODY Edward Beauregard
L1625236-08B	Vial-B	INTACT	17-AUG-16	GC/MS	VOA CUSTODY	Edward Beauregard	GC/MS	GC/MS	Edward Beauregard
L1625236-08B	Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-08B	Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1625236-08C	Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-08C	Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-08D	Vial-D	INTACT	18-AUG-16	CUSTODY	WETCHEM	Deb Whelan	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Deb Whelan
L1625236-08D	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-08D	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-08D	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-08E	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-08E	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-08E	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-08F	SVial-A	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-08F	SVial-A	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-08G	SVial-A	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-08G	SVial-A	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-08H	Plastic-A1	EMPTY	16-AUG-16	WETCHEM	WETCHEM	Asante Barima	CUSTODY	RETURN WALK-IN CUSTODY	Asante Barima
L1625236-08H	Plastic-A1	INTACT	16-AUG-16	CUSTODY	W1-S2-A CUSTODY	Minh Ly	WETCHEM	WETCHEM	Minh Ly
L1625236-08H	Plastic-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	W1-S2-A CUSTODY	W1-S2-A CUSTODY	Michael Chang
L1625236-08H	Plastic-A1	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-08I	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-08I	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-08I	Amber-A1	INTACT	12-AUG-16	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFI	
L1625236-08I	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Cha
L1625236-08I	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-08J	Amber-A1	INTACT	18-AUG-16		RETURN WALK-IN CUSTODY	Fred Ababio	W2-S4-B CUSTODY	W2-S4-B CUSTODY	Fred Ababio
L1625236-08J	Amber-A1	INTACT	18-AUG-16	WETCHEM	WETCHEM	Sonja Dayn	CUSTODY	RETURN WALK-IN CUSTODY	Sonja Dayn
L1625236-08J	Amber-A1	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan

Container ID	Type	Status	Transaction Date	From Response	From Location	From Operator	To Response	To Location	To Operator
L1625236-08J	Amber-A1	INTACT	18-AUG-16	TRANSIT COURIER	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Charles Hayden
L1625236-08J	Amber-A1	INTACT	18-AUG-16	COOLER10-TRANSFER_TO_WESTBORO	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER10-TRANSFER_TO_WESTBORO	
L1625236-08J	Amber-A1	INTACT	18-AUG-16	CUSTODY	A2-CUSTODY-NOAA1	Kim L. Bailey	COOLER10-TRANSFER_TO_WESTBORO	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Baile
L1625236-08J	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-08J	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-08J	Amber-A1	INTACT	12-AUG-16	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFIELD	
L1625236-08J	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chan
L1625236-08J	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-08K	Amber-A1	EMPTY	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Amanda Luiz	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Amanda Luiz
L1625236-08K	Amber-A1	INTACT	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Amanda Luiz	A2-ORGANIC PREP	A2-ORGANIC PREP	Amanda Luiz
L1625236-08K	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-08K	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-08K	Amber-A1	INTACT	12-AUG-16	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFIELD	
L1625236-08K	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chan
L1625236-08K	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-08L	Amber-A1	EMPTY	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Amanda Luiz	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Amanda Luiz
L1625236-08L	Amber-A1	INTACT	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Daniel Robbins	A2-ORGANIC PREP	A2-ORGANIC PREP	Daniel Robbins
L1625236-08L	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-08L	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-08L	Amber-A1	INTACT	12-AUG-16	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFIELD	
L1625236-08L	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chan
L1625236-08L	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-08Y	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-08Y	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-08Y	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1625236-08Z Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-08Z Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-08Z Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-09A Vial-B	INTACT	18-AUG-16	GC/MS	GC/MS	Piotr Duczmalewski	CUSTODY	VOA DEAD FRIDGE	CUSTODY Piotr Duczmalewski
L1625236-09A Vial-B	INTACT	18-AUG-16	GC/MS	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1625236-09A Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-09A Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-09B Vial-B	INTACT	17-AUG-16	GC/MS	GC/MS	Edward Beauregard	CUSTODY	VOA DEAD FRIDGE	CUSTODY Edward Beauregard
L1625236-09B Vial-B	INTACT	17-AUG-16	GC/MS	VOA CUSTODY	Edward Beauregard	GC/MS	GC/MS	Edward Beauregard
L1625236-09B Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-09B Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-09C Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-09C Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-09D Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-09D Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-09D Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-09E Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-09E Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-09E Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-09F SVial-A	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-09F SVial-A	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-09G SVial-A	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-09G SVial-A	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-09H Plastic-A1	EMPTY	16-AUG-16	WETCHEM	WETCHEM	Asante Barima	CUSTODY	RETURN WALK-IN	CUSTODY Asante Barima
L1625236-09H Plastic-A1	INTACT	16-AUG-16	CUSTODY	W1-S2-A CUSTODY	Minh Ly	WETCHEM	WETCHEM	Minh Ly

Container ID	Type	Status	Transaction Date	From Response	Location	Operator	To Response	Location	Operator
L1625236-09H	Plastic-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	W1-S2-A CUSTODY	W1-S2-A CUSTODY	Michael Chang
L1625236-09H	Plastic-A1	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-09I	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-09I	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-09I	Amber-A1	INTACT	12-AUG-16	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFI	
L1625236-09I	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Cha
L1625236-09I	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-09J	Amber-A1	INTACT	18-AUG-16		RETURN WALK-IN	CUSTODY Fred Ababio	W2-S4-B CUSTODY	W2-S4-B CUSTODY	Fred Ababio
L1625236-09J	Amber-A1	INTACT	18-AUG-16	WETCHEM	WETCHEM	Sonja Dayn	CUSTODY	RETURN WALK-IN	CUSTODY Sonja Dayn
L1625236-09J	Amber-A1	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-09J	Amber-A1	INTACT	18-AUG-16	TRANSIT COURIER	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Charles Hayden
L1625236-09J	Amber-A1	INTACT	18-AUG-16	COOLER10-TRANSFER_TO_WESTBORO	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER10-TRANSFER_TO_WESTBORO	
L1625236-09J	Amber-A1	INTACT	18-AUG-16	CUSTODY	A2-CUSTODY-NOAA1	Kim L. Bailey	COOLER10-TRANSFER_TO_WESTBORO	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Baile
L1625236-09J	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-09J	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-09J	Amber-A1	INTACT	12-AUG-16	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFI	
L1625236-09J	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Cha
L1625236-09J	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-09K	Amber-A1	EMPTY	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Amanda Luiz	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Amanda Luiz
L1625236-09K	Amber-A1	INTACT	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Amanda Luiz	A2-ORGANIC PREP	A2-ORGANIC PREP	Amanda Luiz
L1625236-09K	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-09K	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-09K	Amber-A1	INTACT	12-AUG-16	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFI	
L1625236-09K	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Cha
L1625236-09K	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon

Container ID	Type	Status	Transaction Date	From Response	From Location	From Operator	To Response	To Location	To Operator
L1625236-09L	Amber-A1	EMPTY	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Amanda Luiz	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Amanda Luiz
L1625236-09L	Amber-A1	INTACT	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Daniel Robbins	A2-ORGANIC PREP	A2-ORGANIC PREP	Daniel Robbins
L1625236-09L	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-09L	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-09L	Amber-A1	INTACT	12-AUG-16	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER14-TRANSFER_TO_MANSFI	
L1625236-09L	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER14-TRANSFER_TO_MANSFIELD	COOLER14-TRANSFER_TO_MANSFIELD	Michael Cha
L1625236-09L	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-09Y	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-09Y	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-09Y	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-09Z	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-09Z	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-09Z	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-10A	Vial-B	INTACT	18-AUG-16	GC/MS	GC/MS	Piotr Duczmalewski	CUSTODY	VOA DEAD FRIDGE	CUSTODY Piotr Duczmalewski
L1625236-10A	Vial-B	INTACT	18-AUG-16	GC/MS	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1625236-10A	Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-10A	Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-10B	Vial-B	INTACT	17-AUG-16	GC/MS	GC/MS	Edward Beauregard	CUSTODY	VOA DEAD FRIDGE	CUSTODY Edward Beauregard
L1625236-10B	Vial-B	INTACT	17-AUG-16	GC/MS	VOA CUSTODY	Edward Beauregard	GC/MS	GC/MS	Edward Beauregard
L1625236-10B	Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-10B	Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-10C	Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-10C	Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-10D	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-10D	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1625236-10D	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-10E	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-10E	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-10E	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-10F	SVial-A	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-10F	SVial-A	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-10G	SVial-A	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-10G	SVial-A	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-10H	Plastic-A1	INTACT	16-AUG-16	CUSTODY	W1-S2-A CUSTODY	Minh Ly	WETCHEM	WETCHEM	Minh Ly
L1625236-10H	Plastic-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	W1-S2-A CUSTODY	W1-S2-A CUSTODY	Michael Chang
L1625236-10H	Plastic-A1	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-10I	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-10I	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-10I	Amber-A1	INTACT	12-AUG-16	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFI	
L1625236-10I	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Cha
L1625236-10I	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-10J	Amber-A1	INTACT	18-AUG-16		RETURN WALK-IN CUSTODY	Fred Ababio	W2-S4-B CUSTODY	W2-S4-B CUSTODY	Fred Ababio
L1625236-10J	Amber-A1	INTACT	18-AUG-16	WETCHEM	WETCHEM	Sonja Dayn	CUSTODY	RETURN WALK-IN CUSTODY	Sonja Dayn
L1625236-10J	Amber-A1	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-10J	Amber-A1	INTACT	18-AUG-16	TRANSIT COURIER	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Charles Hayden
L1625236-10J	Amber-A1	INTACT	18-AUG-16	COOLER10-TRANSFER_TO_WESTBORO	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER10-TRANSFER_TO_WESTBORO	
L1625236-10J	Amber-A1	INTACT	18-AUG-16	CUSTODY	A2-CUSTODY-NOAA1	Kim L. Bailey	COOLER10-TRANSFER_TO_WESTBORO	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Baile
L1625236-10J	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-10J	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-10J	Amber-A1	INTACT	12-AUG-16	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFI	

Container ID	Type	Status	Transaction Date	From Response	Location	Operator	To Response	Location	Operator
L1625236-10J	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Cha
L1625236-10J	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-10K	Amber-A1	EMPTY	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Amanda Luiz	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Amanda Luiz
L1625236-10K	Amber-A1	INTACT	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Amanda Luiz	A2-ORGANIC PREP	A2-ORGANIC PREP	Amanda Luiz
L1625236-10K	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-10K	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-10K	Amber-A1	INTACT	12-AUG-16	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFI	
L1625236-10K	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Cha
L1625236-10K	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-10L	Amber-A1	EMPTY	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Amanda Luiz	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Amanda Luiz
L1625236-10L	Amber-A1	INTACT	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Daniel Robbins	A2-ORGANIC PREP	A2-ORGANIC PREP	Daniel Robbins
L1625236-10L	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-10L	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-10L	Amber-A1	INTACT	12-AUG-16	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFI	
L1625236-10L	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Cha
L1625236-10L	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-10Y	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-10Y	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-10Y	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-10Z	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-10Z	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-10Z	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-11A	Vial-B	INTACT	18-AUG-16	GC/MS	GC/MS	Piotr Duczmalewski	CUSTODY	VOA DEAD FRIDGE	CUSTODY Piotr Duczmalewski
L1625236-11A	Vial-B	INTACT	18-AUG-16	GC/MS	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1625236-11A	Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1625236-11A	Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-11B	Vial-B	INTACT	17-AUG-16	GC/MS	GC/MS	Edward Beauregard	CUSTODY	VOA DEAD FRIDGE	CUSTODY Edward Beauregard
L1625236-11B	Vial-B	INTACT	17-AUG-16	GC/MS	VOA CUSTODY	Edward Beauregard	GC/MS	GC/MS	Edward Beauregard
L1625236-11B	Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-11B	Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-11C	Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-11C	Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-11D	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-11D	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-11D	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-11E	Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-11E	Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-11E	Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-11F	SVial-A	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-11F	SVial-A	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-11G	SVial-A	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-11G	SVial-A	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-11H	Plastic-A1	EMPTY	16-AUG-16	WETCHEM	WETCHEM	Asante Barima	CUSTODY	RETURN WALK-IN CUSTODY	Asante Barima
L1625236-11H	Plastic-A1	INTACT	16-AUG-16	CUSTODY	W1-S2-A CUSTODY	Minh Ly	WETCHEM	WETCHEM	Minh Ly
L1625236-11H	Plastic-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	W1-S2-A CUSTODY	W1-S2-A CUSTODY	Michael Chang
L1625236-11H	Plastic-A1	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-11I	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-11I	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-11I	Amber-A1	INTACT	12-AUG-16	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFI	
L1625236-11I	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Cha

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1625236-11I	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-11J	Amber-A1	INTACT	18-AUG-16		RETURN WALK-IN	CUSTODY Fred Ababio	W2-S4-B	CUSTODY	W2-S4-B CUSTODY Fred Ababio
L1625236-11J	Amber-A1	INTACT	18-AUG-16	WETCHEM	WETCHEM	Sonja Dayn	CUSTODY	RETURN WALK-IN	CUSTODY Sonja Dayn
L1625236-11J	Amber-A1	INTACT	18-AUG-16	CUSTODY	CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-11J	Amber-A1	INTACT	18-AUG-16	TRANSIT COURIER	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Bailey	CUSTODY	CUSTODY	Charles Hayden
L1625236-11J	Amber-A1	INTACT	18-AUG-16	COOLER10-TRANSFER_TO_WESTBORO	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Bailey	TRANSIT COURIER	COOLER10-TRANSFER_TO_WESTBORO	
L1625236-11J	Amber-A1	INTACT	18-AUG-16	CUSTODY	A2-CUSTODY-NOAA1	Kim L. Bailey	COOLER10-TRANSFER_TO_WESTBORO	COOLER10-TRANSFER_TO_WESTBORO	Kim L. Baile
L1625236-11J	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-11J	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-11J	Amber-A1	INTACT	12-AUG-16	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFI	
L1625236-11J	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Cha
L1625236-11J	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-11K	Amber-A1	EMPTY	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Amanda Luiz	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Amanda Luiz
L1625236-11K	Amber-A1	INTACT	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Amanda Luiz	A2-ORGANIC PREP	A2-ORGANIC PREP	Amanda Luiz
L1625236-11K	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-11K	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-11K	Amber-A1	INTACT	12-AUG-16	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFI	
L1625236-11K	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Cha
L1625236-11K	Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-11L	Amber-A1	EMPTY	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-ORGANIC PREP	Amanda Luiz	A2-CUSTODY-REFRIDGE	A2-CUSTODY-REFRIDGE	Amanda Luiz
L1625236-11L	Amber-A1	INTACT	16-AUG-16	A2-CUSTODY-REFRIDGE	A2-CUSTODY-NOAA1	Daniel Robbins	A2-ORGANIC PREP	A2-ORGANIC PREP	Daniel Robbins
L1625236-11L	Amber-A1	INTACT	13-AUG-16	CUSTODY	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-NOAA1	A2-CUSTODY-NOAA1	Bethany Bedard
L1625236-11L	Amber-A1	INTACT	12-AUG-16	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	A2-CUSTODY	A2-CUSTODY	Sam Bardsley
L1625236-11L	Amber-A1	INTACT	12-AUG-16	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Chang	TRANSIT COURIER	COOLER21-TRANSFER_TO_MANSFI	
L1625236-11L	Amber-A1	INTACT	12-AUG-16		CUSTODY	Michael Chang	COOLER21-TRANSFER_TO_MANSFIELD	COOLER21-TRANSFER_TO_MANSFIELD	Michael Cha

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L1625236-11L Amber-A1	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-11Y Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-11Y Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-11Y Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-11Z Vial-D	INTACT	18-AUG-16	CUSTODY	WALK-IN CUSTODY	Deb Whelan	WETCHEM	WETCHEM	Deb Whelan
L1625236-11Z Vial-D	INTACT	12-AUG-16		CUSTODY	Richard Scott	WALK-IN CUSTODY	WALK-IN CUSTODY	Richard Scott
L1625236-11Z Vial-D	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon
L1625236-12A Vial-B	INTACT	18-AUG-16	GC/MS	GC/MS	Piotr Duczmalewski	CUSTODY	VOA DEAD FRIDGE	CUSTODY Piotr Duczmalewski
L1625236-12A Vial-B	INTACT	18-AUG-16	GC/MS	VOA CUSTODY	Piotr Duczmalewski	GC/MS	GC/MS	Piotr Duczmalewski
L1625236-12A Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-12A Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-12B Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-12B Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-12C Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-12C Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	Brett Read	CUSTODY	CUSTODY	Brett Read
L1625236-12D Vial-B	INTACT	12-AUG-16		CUSTODY	Michael Chang	VOA CUSTODY	VOA CUSTODY	Michael Chang
L1625236-12D Vial-B	INTACT	12-AUG-16	LOGIN	LOGIN	William McClendon	CUSTODY	CUSTODY	William McClendon

Chain of Custody

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193

Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 8/12/16

ALPHA Job #: L1625236

Client Information
Client: Anchor QEA
Address: 4300 RTE 51 Suite 202
Phone: 518-886-0643
Fax:
Email: mcavs@anchorqea.com

Project Information
Project Name: Former Glens Falls OU-2
Project Location: Glens Falls, NY
Project # E50593-01.01
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Please hold samples until notified to proceed. Call if we are w/in 24hrs of hold time

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TOC/DOC	TSS	VOC	SVOC	PAH				Total Bottle	Sample Specific Comments
	~~Trip Blank 20160811~~	8/11/2016	99:99	W	MFC			~~VOC~~						~~2~~	
25236-01	EB 20160811	8/11/2016	10:00	W	MFC	4	1	3	2	2				12	DOC needs to be pull
02	SW1A-20160810	8/10/2016	11:05			4	1	3						12	From other bottles
03	SW1B-20160810		10:55			4	1	3						12	For all samples
04	SW1C-20160810		10:40			4	1	3						12	
05	SW2A-20160810		10:00			4	1	3						12	
06	SW2B-20160810		9:50			4	1	3						12	
07	SW2C-20160810		9:45			4	1	3						12	
08	SW3A-20160810		12:35			4	1	3						12	
09	SW3B-20160810		12:28			4	1	3						12	

Container Type	A	P	V	A	A			
Preservative	D	A	B	A	A			

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	8/11/2016 1400		8/11/16 14:00
	8/11/16		8/12/16 0140

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 8/12/16

ALPHA Job #: L1625236

Client Information

Client: AnchorQEA
Address: 4300 RTE 50
Suite 202
Phone: 518-886-0643
Fax:
Email: mgaucher@anchorqea.com

Project Information

Project Name: Former Glens Falls On-2
Project Location: Glens Falls, NY
Project #: E50593-01.01
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Please hold samples until notified to proceed. Call if we are w/in 24 hrs of hold time

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TOC/DOC	TSS	VOC	SVOC	PAH				Sample Specific Comments	Total Bottle
25236-10	SW3C-20160810	8/10/2016	12:23	W	MPC	4	1	3	2	2				DOC needs to be	12
11	DUP-20160810	8/10/2016	99:99	W	MPC	|	|	|	|	|				pulled from other	12
03	SW1B-MS-20160810	|	10:55	|	|	|	|	|	|	|				bottles for all	12
03	SW1B-MSD-20160810	|	10:55	|	|	|	|	|	|	|				samples	12
12	TRIP Blank-20160810	8/10/2016	99:99	W	MPC			2							2

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	P	V	A	A				
Preservative	D	A	B	A	A				

Relinquished By:	Date/Time	Received By:	Date/Time
	8/11/2016 1400		8/11/16 1400
	8/12/16		8/12/16 0100

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Organics

GC/MS Extractable Analysis
Method 8270

Initial Calibration

Response Factor Report BNA8

Method Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Method File : SV0728BNA8.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Aug 10 09:43:12 2016
Response Via : Initial Calibration

Calibration Files
0.5 =F807281605.D 1 =F807281606.D 2 =F807281607.D 5 =F807281608.D 10 =F807281609.D
15 =F807281610.D 25 =F807281611.D 50 =F807281612.D 0.5a=F807281613.D 1.0a=F807281614.D
2.0a=F807281615.D 5.0a=F807281616.D 10a =F807281617.D 15a =F807281618.D 25a =F807281619.D

		Compound	0.5	1	2	5	10	15	25	50	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d4	ISTD									
2)	T	N-Nitrosodimet...	0.682	0.653	0.678	0.635	0.659	0.623	0.634	0.576	0.643	5.29
3)	t	Pyridine	1.223	1.294	1.351	1.180	1.206	1.139	1.244	1.143	1.222	5.99
4)	S	2-Fluorophenol	1.177	1.212	1.238	1.197	1.227	1.187	1.210	1.165	1.202	2.07
5)	T	Benzaldehyde	1.039	1.104	0.971	0.985	0.924	0.955	0.906		0.984	6.96
6)	T	Aniline	1.818	1.877	1.907	1.859	1.872	1.816	1.846		1.856	1.77
7)	T	bis(2-Chloroet...	0.865	0.859	0.869	0.821	0.828	0.784	0.782	0.697	0.813	7.10
8)	S	Phenol-d5	1.424	1.467	1.495	1.474	1.509	1.459	1.469	1.348	1.456	3.46
9)	MC	Phenol	1.541	1.546	1.612	1.555	1.561	1.489	1.470	1.317	1.511	5.95#
10)	M	2-Chlorophenol	1.281	1.310	1.356	1.321	1.338	1.310	1.318	1.226	1.308	3.02
11)	T	1,3-Dichlorobe...	1.460	1.476	1.495	1.454	1.480	1.417	1.421	1.274	1.435	4.90
12)	MC	1,4-Dichlorobe...	1.491	1.487	1.517	1.461	1.438	1.410	1.401	1.254	1.432	5.76#
13)	T	1,2-Dichlorobe...	1.399	1.420	1.434	1.388	1.387	1.345	1.333	1.183	1.361	5.85
14)	T	Benzyl alcohol	0.743	0.785	0.813	0.800	0.820	0.812	0.820	0.769	0.795	3.49
15)	T	bis(2-chlorois...	1.612	1.595	1.580	1.509	1.475	1.396	1.354	1.171	1.462	10.26
16)	T	2-Methylphenol	1.041	1.067	1.068	1.033	1.051	1.010	1.022	0.931	1.028	4.31
17)	T	Acetophenone	1.686	1.797	1.576	1.647	1.661	1.568	1.529		1.638	5.51
18)	T	Hexachloroethane	0.590	0.596	0.603	0.591	0.599	0.580	0.585	0.523	0.583	4.39
19)	MP	N-Nitroso-di-n...	0.796	0.834	0.850	0.821	0.829	0.783	0.791	0.723	0.803	4.99
20)	T	4-Methylphenol	1.120	1.164	1.177	1.130	1.135	1.084	1.102	1.048	1.120	3.74
21)	I	Naphthalene-d8	ISTD									
22)	S	Nitrobenzene-d5	0.305	0.317	0.323	0.312	0.321	0.313	0.308	0.286	0.311	3.74
23)	T	Nitrobenzene	0.321	0.326	0.332	0.318	0.324	0.305	0.300	0.272	0.312	6.18
24)	T	Isophorone	0.475	0.496	0.509	0.497	0.508	0.490	0.490	0.443	0.489	4.38
25)	TC	2-Nitrophenol	0.162	0.171	0.184	0.184	0.192	0.186	0.184	0.168	0.179	5.87#
26)	T	2,4-Dimethylph...	0.296	0.295	0.303	0.286	0.288	0.273	0.267	0.246	0.282	6.61
27)	T	Benzoic acid		0.051	0.100	0.155	0.204	0.209	0.226	0.234	*L	0.9974
28)	T	bis(2-Chloroet...	0.372	0.380	0.382	0.367	0.367	0.349	0.338	0.316	0.359	6.36
29)	TC	2,4-Dichloroph...	0.255	0.266	0.275	0.273	0.279	0.265	0.263	0.242	0.265	4.55#

Response Factor Report BNA8

Method Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Method File : SV0728BNA8.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Aug 10 09:43:12 2016
Response Via : Initial Calibration

Calibration Files
0.5 =F807281605.D 1 =F807281606.D 2 =F807281607.D 5 =F807281608.D 10 =F807281609.D
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2.0a=F807281615.D 5.0a=F807281616.D 10a =F807281617.D 15a =F807281618.D 25a =F807281619.D

		Compound	0.5	1	2	5	10	15	25	50	Avg	%RSD
30)	M	1,2,4-Trichlor...	0.298	0.294	0.297	0.288	0.290	0.277	0.270	0.246	0.282	6.24
31)	T	Naphthalene	0.972	0.971	0.982	0.943	0.941	0.886	0.854	0.756	0.913	8.51
32)	T	2-Chloroaniline	0.475	0.484	0.489	0.475	0.478	0.457	0.445	0.390	0.462	7.01
33)	T	4-Chloroaniline	0.400	0.407	0.422	0.401	0.399	0.387	0.377	0.338	0.391	6.45
34)	TC	Hexachlorobuta...	0.144	0.147	0.151	0.147	0.150	0.146	0.142	0.129	0.145	4.87#
35)	T	Caprolactam	0.086	0.101	0.090	0.100	0.102	0.099	0.103		0.097	6.93
36)	MC	4-Chloro-3-met...	0.243	0.251	0.259	0.259	0.268	0.256	0.258	0.239	0.254	3.71#
37)	T	2-Methylnaphth...	0.630	0.631	0.649	0.632	0.629	0.597	0.572	0.508	0.606	7.65
38)	I	Acenaphthene-d10	----------ISTD----------									
39)	T	1,2,4,5-Tetrac...	0.577	0.600	0.602	0.585	0.582	0.565	0.520	0.457	0.561	8.78
40)	TP	Hexachlorocycl...	0.211	0.241	0.271	0.292	0.309	0.310	0.303	0.280	0.277	12.81
41)	TC	2,4,6-Trichlor...	0.362	0.389	0.396	0.399	0.411	0.404	0.397	0.366	0.390	4.47#
42)	T	2,4,5-Trichlor...	0.368	0.399	0.409	0.415	0.418	0.403	0.384	0.351	0.393	6.04
43)	S	2-Fluorobiphenyl	1.384	1.408	1.406	1.379	1.369	1.322	1.234	1.070	1.322	8.80
44)	T	Biphenyl	1.638	1.745	1.616	1.644	1.619	1.513	1.377		1.593	7.34
45)	T	2-Chloronaphth...	1.222	1.256	1.265	1.224	1.222	1.176	1.108	0.984	1.182	7.97
46)	T	2-Nitroaniline	0.279	0.312	0.335	0.333	0.344	0.335	0.334	0.311	0.323	6.60
47)	T	Acenaphthylene	1.919	2.022	2.067	2.041	2.033	1.930	1.839	1.622	1.934	7.65
48)	T	Dimethylphthalate	1.239	1.294	1.299	1.306	1.328	1.307	1.315	1.228	1.290	2.81
49)	T	2,6-Dinitrotol...	0.239	0.275	0.294	0.314	0.326	0.327	0.324	0.304	0.300	10.22
50)	MC	Acenaphthene	1.261	1.285	1.278	1.237	1.228	1.174	1.126	0.977	1.196	8.65#
51)	T	3-Nitroaniline	0.306	0.331	0.345	0.351	0.370	0.360	0.363	0.342	0.346	5.93
52)	TP	2,4-Dinitrophenol	0.075	0.119	0.162	0.210	0.254	0.264	0.270	0.268	*Q	0.9901
53)	T	Dibenzofuran	1.671	1.707	1.690	1.614	1.624	1.546	1.456	1.256	1.571	9.63
54)		2,3,4,6-Tetrac...	0.226	0.261	0.275	0.283	0.302	0.300	0.299	0.281	0.278	9.10
55)	M	2,4-Dinitrotol...	0.323	0.373	0.397	0.409	0.430	0.424	0.399	0.343	0.387	9.78
56)	MP	4-Nitrophenol	0.128	0.149	0.162	0.176	0.185	0.185	0.189	0.181	0.169	12.66
57)	T	Fluorene	1.317	1.372	1.362	1.325	1.301	1.222	1.152	0.998	1.256	10.14
58)	T	4-Chlorophenyl...	0.602	0.642	0.621	0.595	0.584	0.556	0.526	0.459	0.573	10.19
59)	T	Diethylphthalate	1.279	1.363	1.361	1.382	1.394	1.374	1.306	1.168	1.328	5.71

Response Factor Report BNA8

Method Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Method File : SV0728BNA8.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Aug 10 09:43:12 2016
Response Via : Initial Calibration

Calibration Files
0.5 =F807281605.D 1 =F807281606.D 2 =F807281607.D 5 =F807281608.D 10 =F807281609.D
15 =F807281610.D 25 =F807281611.D 50 =F807281612.D 0.5a=F807281613.D 1.0a=F807281614.D
2.0a=F807281615.D 5.0a=F807281616.D 10a =F807281617.D 15a =F807281618.D 25a =F807281619.D

		Compound	0.5	1	2	5	10	15	25	50	Avg	%RSD
60)	T	4-Nitroaniline	0.307	0.346	0.354	0.362	0.372	0.356	0.352	0.337	0.348	5.60
61)	I	Phenanthrene-d10	ISTD									
62)	T	4,6-Dinitro-2-...		0.097	0.122	0.138	0.152	0.149	0.152	0.142	0.136	14.77
63)	T	Azobenzene	0.191	0.196	0.202	0.197	0.203	0.190	0.191	0.169	0.192	5.47
64)	TC	n-Nitrosodiphe...	0.496	0.505	0.513	0.498	0.504	0.472	0.474	0.421	0.485	6.13#
65)	S	2,4,6-Tribromo...	0.056	0.063	0.067	0.067	0.072	0.069	0.072	0.068	0.067	7.96
66)	T	4-Bromophenyl-...	0.168	0.171	0.177	0.173	0.179	0.170	0.174	0.159	0.171	3.54
67)	T	Hexachlorobenzene	0.184	0.174	0.180	0.175	0.181	0.171	0.175	0.161	0.175	4.11
68)	T	Atrazine	0.175	0.193	0.182	0.201	0.212	0.204	0.200		0.195	6.64
69)	MC	Pentachlorophenol		0.096	0.118	0.130	0.141	0.138	0.148	0.138	0.130	13.39#
70)	T	Pentachloronit...	0.059	0.069	0.075	0.079	0.083	0.079	0.082	0.074	0.075	10.40
71)	T	Phenanthrene	1.036	1.045	1.077	1.031	1.047	0.984	0.973	0.860	1.007	6.78
72)	T	Anthracene	1.005	1.038	1.070	1.036	1.049	0.997	0.961	0.830	0.998	7.62
73)	T	Carbazole	0.941	0.994	1.038	1.000	1.005	0.920	0.872	0.774	0.943	9.21
74)	T	Di-n-butylphth...	1.009	1.137	1.243	1.308	1.304	1.236	1.188	1.046	1.184	9.46
75)	TC	Fluoranthene	1.051	1.102	1.145	1.143	1.154	1.069	1.029	0.892	1.073	8.10#
76)	I	Chrysene-d12	ISTD									
77)	T	Benzidine	0.573	0.726	0.731	0.826	0.860	0.955	0.948		0.803	17.01
78)	M	Pyrene	1.153	1.209	1.242	1.248	1.258	1.236	1.229	1.134	1.214	3.77
79)	S	Terphenyl-d14	0.659	0.701	0.731	0.721	0.726	0.723	0.722	0.682	0.708	3.60
80)	T	Butylbenzylpht...	0.432	0.505	0.566	0.628	0.649	0.653	0.661	0.629	*L	0.9993
81)	T	3,3'-Dichlorob...	0.345	0.386	0.367	0.407	0.409	0.434	0.421		0.396	7.93
82)	T	Benz[a]anthracene	0.973	1.009	1.032	1.074	1.107	1.096	1.124	1.048	1.058	4.91
83)	T	Chrysene	1.079	1.071	1.103	1.080	1.085	1.074	1.044	0.978	1.064	3.61
84)	T	bis(2-Ethylhex...	0.503	0.635	0.748	0.842	0.862	0.877	0.875	0.819	*L	0.9985
85)	I	Perylene-d12	ISTD									
86)	TC	Di-n-octylphth...	0.751	1.012	1.274	1.548	1.679	1.663	1.536		*Q	0.9996
87)	T	Benzo[b]fluora...	0.920	0.990	1.071	1.114	1.150	1.144	1.099	1.038	1.066	7.48

Method Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Method File : SV0728BNA8.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Aug 10 09:43:12 2016
Response Via : Initial Calibration

Calibration Files
0.5 =F807281605.D 1 =F807281606.D 2 =F807281607.D 5 =F807281608.D 10 =F807281609.D
15 =F807281610.D 25 =F807281611.D 50 =F807281612.D 0.5a=F807281613.D 1.0a=F807281614.D
2.0a=F807281615.D 5.0a=F807281616.D 10a =F807281617.D 15a =F807281618.D 25a =F807281619.D

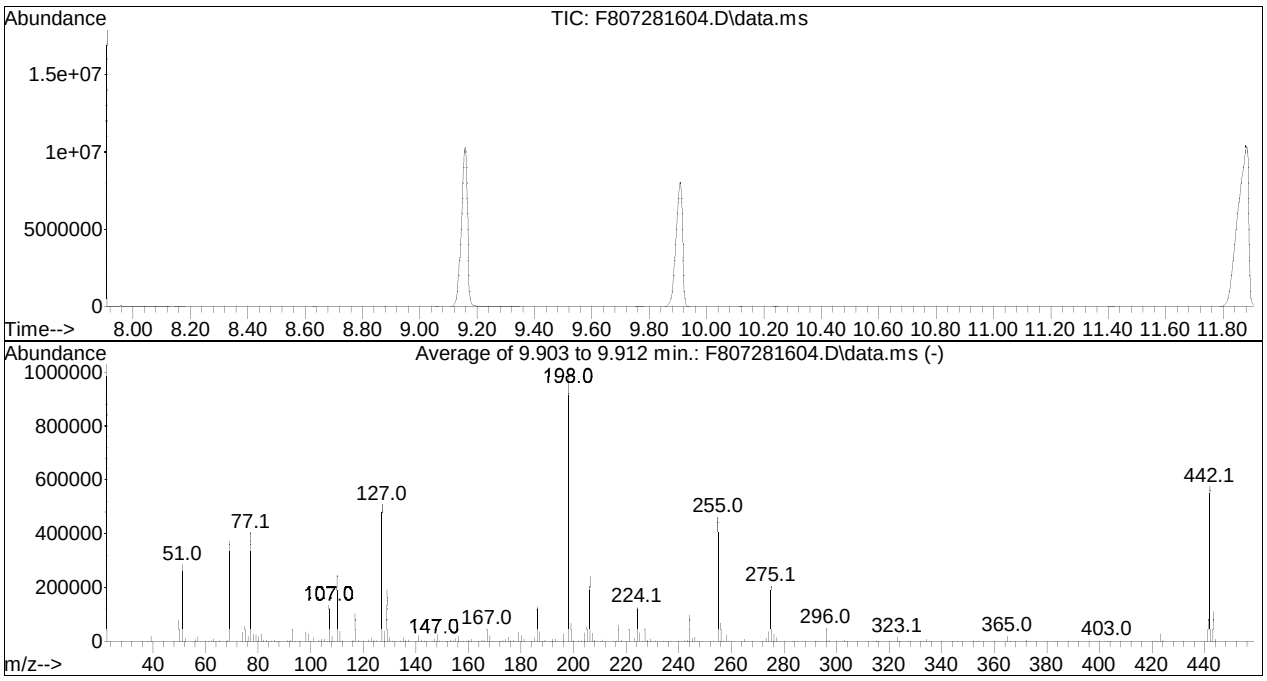
	Compound	0.5	1	2	5	10	15	25	50	Avg	%RSD
88) T	Benzo[k]fluora...	0.999	1.062	1.122	1.132	1.132	1.092	1.019	0.917	1.059	7.23
89) TC	Benzo[a]pyrene	0.956	1.027	1.070	1.078	1.101	1.101	1.035	0.934	1.038	6.14#
90) T	Indeno[1,2,3-c...	0.629	0.714	0.794	0.860	0.965	0.958	0.948	0.912	0.847	14.72
91) T	Dibenz[a,h]ant...	0.714	0.790	0.821	0.889	0.960	0.940	0.910	0.841	0.858	9.62
92) T	Benzo[g,h,i]pe...	0.842	0.905	0.961	0.990	1.028	1.011	0.980	0.906	0.953	6.62

(#) = Out of Range

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281604.D
Acq On : 28 Jul 2016 12:29 pm
Operator : BNA8:SF
Sample : T807281601
Misc : WG919318,MSAJ70
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\DFTPPBNA8.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Apr 30 16:06:20 2015



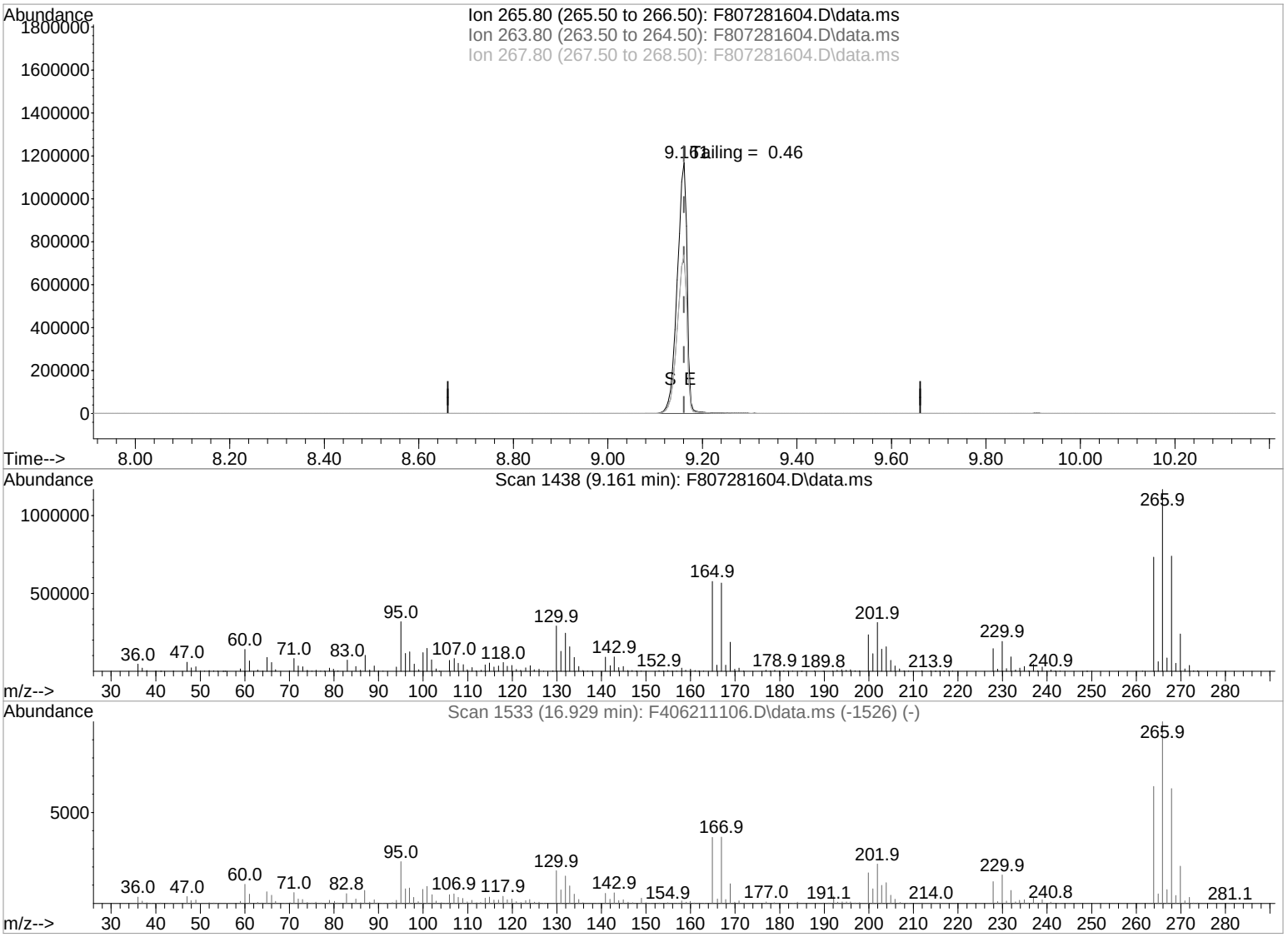
Spectrum Information: Average of 9.903 to 9.912 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	29.0	284173	PASS
68	69	0.00	2	1.6	5983	PASS
70	69	0.00	2	0.5	1812	PASS
127	198	10	80	51.9	507797	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	979072	PASS
199	198	5	9	6.7	65728	PASS
275	198	10	60	20.9	204309	PASS
365	198	1	100	2.1	20877	PASS
441	442	0.01	24	14.6	83597	PASS
442	198	50	100	58.6	574059	PASS
443	442	15	24	19.4	111371	PASS

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281604.D
Acq On : 28 Jul 2016 12:29 pm
Operator : BNA8:SF
Sample : T807281601
Misc : WG919318,MSAJ70
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 02 15:38:24 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\DFTPPBNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 02 15:37:51 2016
Response via : Initial Calibration



CHROMtools™ [T807281601]

(1) Pentachlorophenol (MC)

9.161min (0.000) 31.94 ug/mL

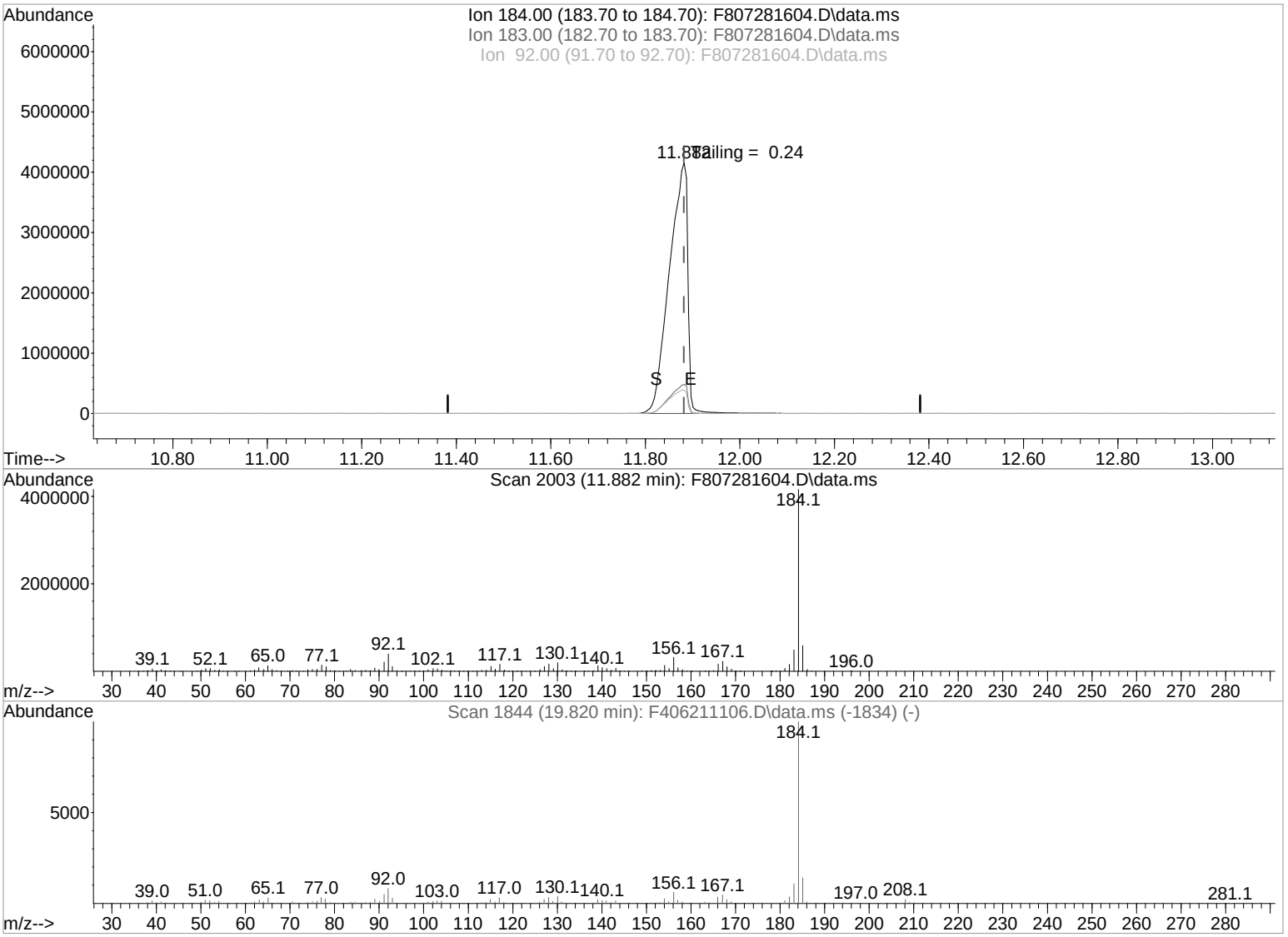
response 1672018 ~2 x >CAL (25)

Ion	Exp%	Act%
265.80	100	100
263.80	62.70	63.30
267.80	63.20	63.32
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281604.D
Acq On : 28 Jul 2016 12:29 pm
Operator : BNA8:SF
Sample : T807281601
Misc : WG919318,MSAJ70
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 02 15:38:24 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\DFTPPBNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 02 15:37:51 2016
Response via : Initial Calibration



CHROMtools™ [T807281601]

(3) Benzidine (T)

11.882min (0.000) 137.26 ug/mL

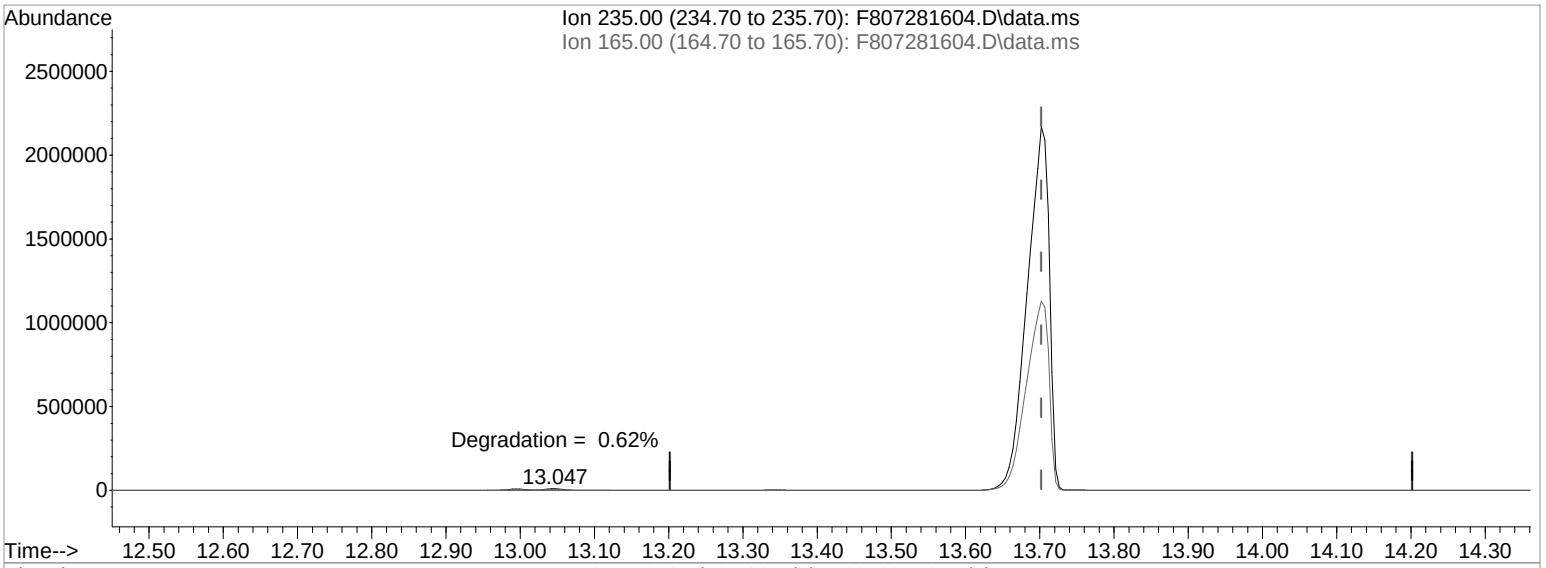
response 11168187 ~6 x >CAL (25)

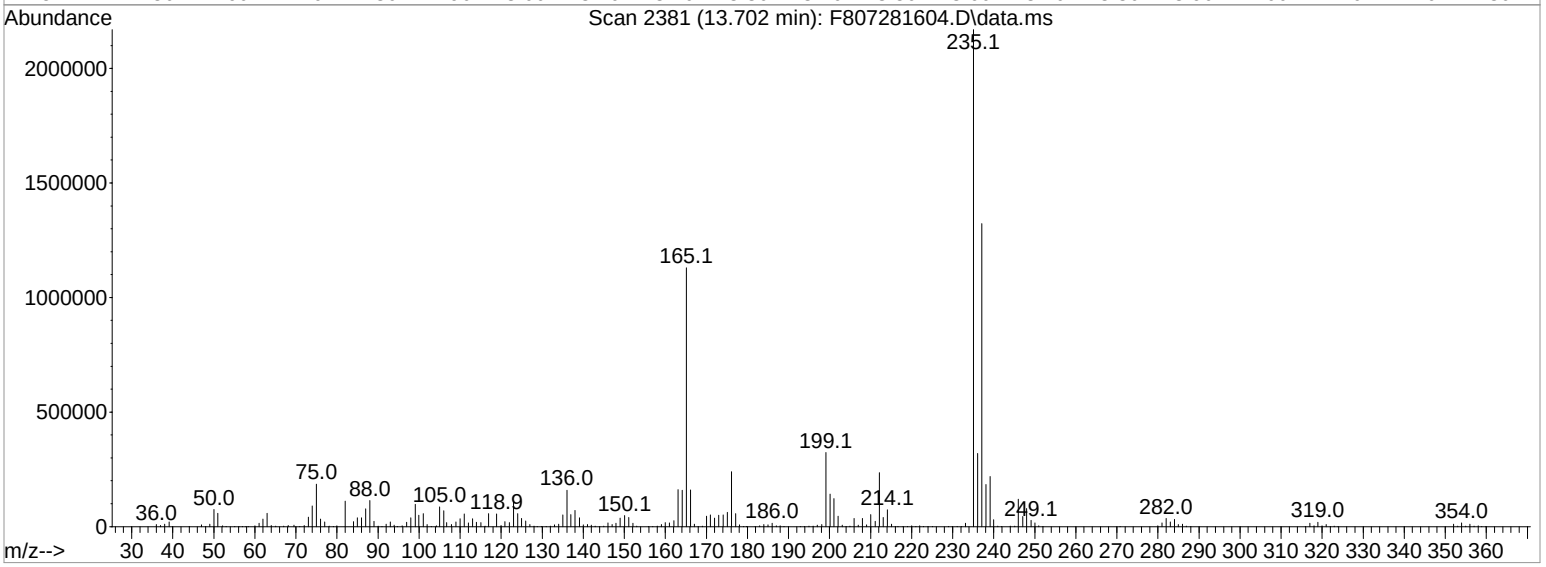
Ion	Exp%	Act%
184.00	100	100
183.00	11.70	11.46
92.00	9.40	9.76
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281604.D
Acq On : 28 Jul 2016 12:29 pm
Operator : BNA8:SF
Sample : T807281601
Misc : WG919318,MSAJ70
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 02 15:38:24 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\DFTPPBNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 02 15:37:51 2016
Response via : Initial Calibration





CHROMtools™ [T807281601]

(4) DDT ( )

13.702min (0.000) 0.00

response 4484222

Ion	Exp%	Act%
235.00	100	100
165.00	52.10	53.46
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281605.D
Acq On : 28 Jul 2016 1:01 pm
Operator : BNA8:SF
Sample : I807281601
Misc : WG919318,MSAK12
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 10 09:45:27 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 10 09:45:35 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.755	152	370464	5.000	ug/mL	0.00
21) Naphthalene-d8	5.916	136	1387803	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.615	164	670491	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.421	188	1215528	5.000	ug/mL	0.00
76) Chrysene-d12	14.675	240	1090070	5.000	ug/mL	0.00
85) Perylene-d12	17.771	264	1005181	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.696	112	43595	0.490	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 2.45%#			
8) Phenol-d5	4.413	99	52763	0.489	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 2.44%#			
22) Nitrobenzene-d5	5.246	82	42335M4	0.491	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 2.46%#			
43) 2-Fluorobiphenyl	6.951	172	92780	0.524	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 2.62%#			
65) 2,4,6-Tribromophenol	8.482	330	6766	0.418	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 2.09%#			
79) Terphenyl-d14	12.358	244	71848	0.465	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 2.33%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.786	74	25262M4	0.531	ug/mL	
3) Pyridine	2.814	79	45308	0.500	ug/mL	97
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.471	93	67332M4	0.490	ug/ml	
7) bis(2-Chloroethyl)ether	4.514	63	32053	0.532	ug/mL	95
9) Phenol	4.423	94	57101M4	0.510	ug/mL	
10) 2-Chlorophenol	4.572	128	47442	0.490	ug/mL	96
11) 1,3-Dichlorobenzene	4.707	146	54089	0.509	ug/mL	99
12) 1,4-Dichlorobenzene	4.769	146	55221M4	0.520	ug/mL	
13) 1,2-Dichlorobenzene	4.904	146	51823	0.514	ug/mL	98
14) Benzyl alcohol	4.866	108	27516	0.467	ug/mL	88
15) bis(2-chloroisopropyl)eth	4.981	45	59710	0.551	ug/mL#	64
16) 2-Methylphenol	4.952	108	38558M4	0.506	ug/mL	
17) Acetophenone	0.000		0	N.D.		
18) Hexachloroethane	5.208	117	21846	0.505	ug/mL	98
19) N-Nitroso-di-n-propylamin	5.102	70	29495	0.495	ug/mL#	91
20) 4-Methylphenol	5.087	108	41476	0.500	ug/mL	99

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281605.D
Acq On : 28 Jul 2016 1:01 pm
Operator : BNA8:SF
Sample : I807281601
Misc : WG919318,MSAK12
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 10 09:45:27 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 10 09:45:35 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	5.265	77	44526	0.514	ug/mL	94
24) Isophorone	5.477	82	65923	0.486	ug/mL	98
25) 2-Nitrophenol	5.554	139	22421	0.452	ug/mL#	74
26) 2,4-Dimethylphenol	5.583	107	41104	0.525	ug/mL	99
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	5.675	93	51679	0.519	ug/mL	97
29) 2,4-Dichlorophenol	5.776	162	35410	0.482	ug/mL	99
30) 1,2,4-Trichlorobenzene	5.858	180	41410	0.528	ug/mL	99
31) Naphthalene	5.935	128	134896	0.532	ug/mL	100
32) 2-Chloroaniline	5.521	127	65928	0.515	ug/ml	98
33) 4-Chloroaniline	5.983	127	55480	0.511	ug/mL	99
34) Hexachlorobutadiene	6.046	225	20003	0.499	ug/mL	100
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	6.436	107	33702	0.478	ug/mL	99
37) 2-Methylnaphthalene	6.594	142	87415	0.520	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.758	216	38717	0.515	ug/mL	99
40) Hexachlorocyclopentadiene	6.744	237	14116	0.380	ug/mL	99
41) 2,4,6-Trichlorophenol	6.864	196	24250M4	0.463	ug/mL	
42) 2,4,5-Trichlorophenol	6.898	196	24706M4	0.469	ug/mL	
44) Biphenyl	0.000		0	N.D.		
45) 2-Chloronaphthalene	7.071	162	81955	0.517	ug/mL	98
46) 2-Nitroaniline	7.167	65	18691	0.432	ug/mL	84
47) Acenaphthylene	7.471	152	128696	0.496	ug/mL	99
48) Dimethylphthalate	7.341	163	83075	0.480	ug/mL	99
49) 2,6-Dinitrotoluene	7.403	165	15995	0.397	ug/mL	96
50) Acenaphthene	7.644	153	84559	0.527	ug/mL	98
51) 3-Nitroaniline	7.567	138	20515	0.442	ug/mL	88
52) 2,4-Dinitrophenol	7.673	184	5022	0.540	ug/mL#	27
53) Dibenzofuran	7.827	168	112031	0.532	ug/mL	100
54) 2,3,4,6-Tetrachlorophenol	7.952	232	15159	0.406	ug/mL	96
55) 2,4-Dinitrotoluene	7.808	165	21676	0.417	ug/mL#	59
56) 4-Nitrophenol	7.731	109	8584	0.378	ug/mL	89
57) Fluorene	8.203	166	88312	0.524	ug/mL	100
58) 4-Chlorophenyl-phenylethe	8.203	204	40369	0.525	ug/mL	97
59) Diethylphthalate	8.068	149	85725	0.481	ug/mL	99
60) 4-Nitroaniline	8.217	138	20609	0.441	ug/mL	95
62) 4,6-Dinitro-2-methylpheno	8.256	198	8934	0.270	ug/mL#	86
63) Azobenzene	8.386	182	23220	0.496	ug/mL	83
64) n-Nitrosodiphenylamine	8.338	169	60235	0.511	ug/mL	99
66) 4-Bromophenyl-phenylether	8.800	248	20456	0.491	ug/mL	97
67) Hexachlorobenzene	8.872	284	22398	0.526	ug/mL	97

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281605.D
Acq On : 28 Jul 2016 1:01 pm
Operator : BNA8:SF
Sample : I807281601
Misc : WG919318,MSAK12
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 10 09:45:27 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 10 09:45:35 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Atrazine	0.000		0	N.D. d		
69) Pentachlorophenol	9.142	266	9041	0.286	ug/mL	97
70) Pentachloronitrobenzene	9.156	237	7185	0.394	ug/ml	99
71) Phenanthrene	9.450	178	125949	0.515	ug/mL	99
72) Anthracene	9.527	178	122201M4	0.504	ug/mL	
73) Carbazole	9.782	167	114433	0.499	ug/mL	99
74) Di-n-butylphthalate	10.408	149	122618	0.426	ug/mL	99
75) Fluoranthene	11.506	202	127780	0.490	ug/mL	97
77) Benzidine	0.000		0	N.D. d		
78) Pyrene	11.954	202	125670	0.475	ug/mL	98
80) Butylbenzylphthalate	13.543	149	47104	0.512	ug/mL	94
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	14.655	228	106057M4	0.460	ug/mL	
83) Chrysene	14.732	228	117605M4	0.507	ug/mL	
84) bis(2-Ethylhexyl)phthalat	15.012	149	54883	0.493	ug/mL#	99
86) Di-n-octylphthalate	16.524	149	75449	0.704	ug/mL	99
87) Benzo[b]fluoranthene	17.029	252	92439	0.431	ug/mL	99
88) Benzo[k]fluoranthene	17.087	252	100447	0.472	ug/mL	98
89) Benzo[a]pyrene	17.655	252	96055M4	0.460	ug/mL	
90) Indeno[1,2,3-cd]pyrene	19.572	276	63182	0.371	ug/mL	98
91) Dibenz[a,h]anthracene	19.625	278	71800M4	0.416	ug/mL	
92) Benzo[g,h,i]perylene	19.991	276	84659	0.442	ug/mL	98

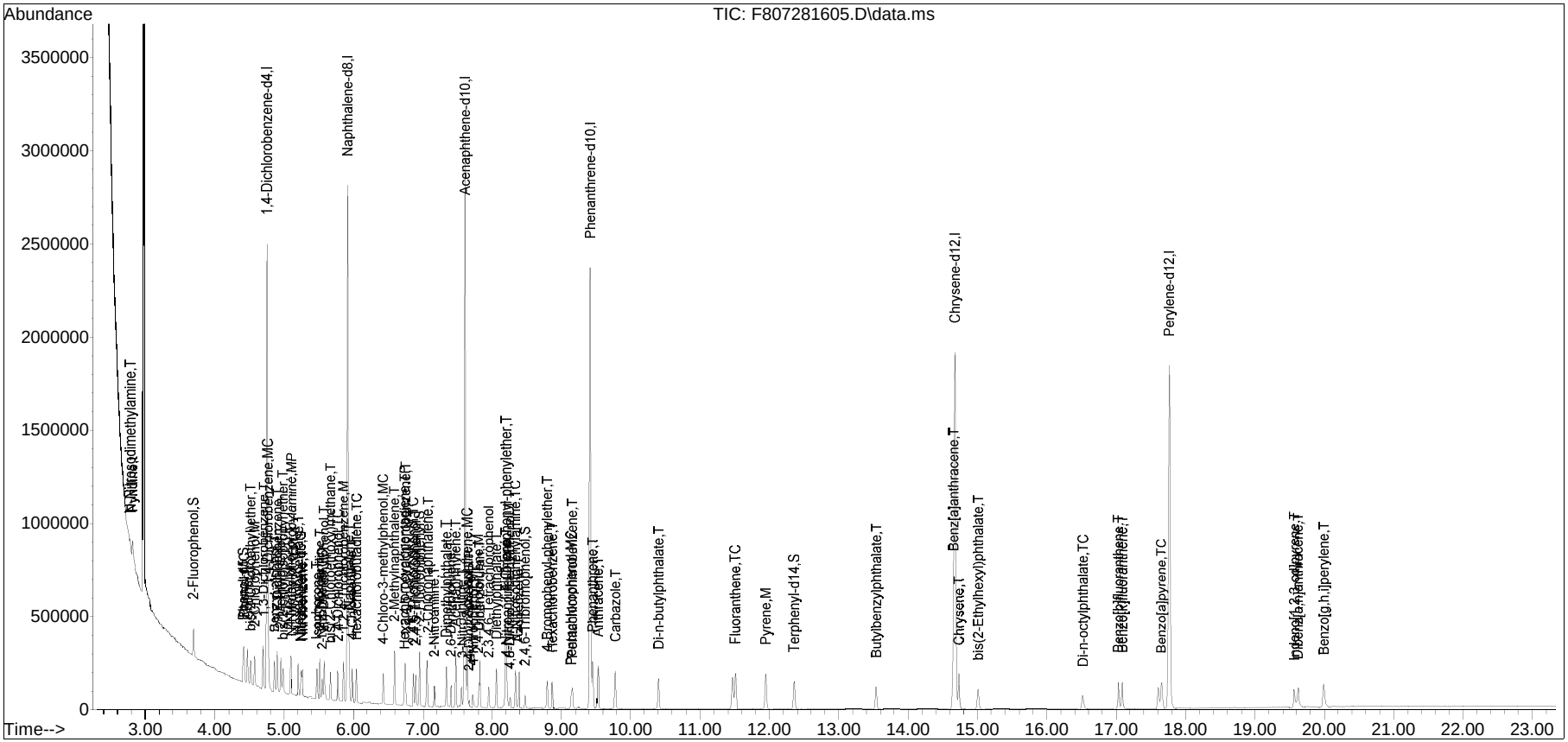
(#) = qualifier out of range (m) = manual integration (+) = signals summed

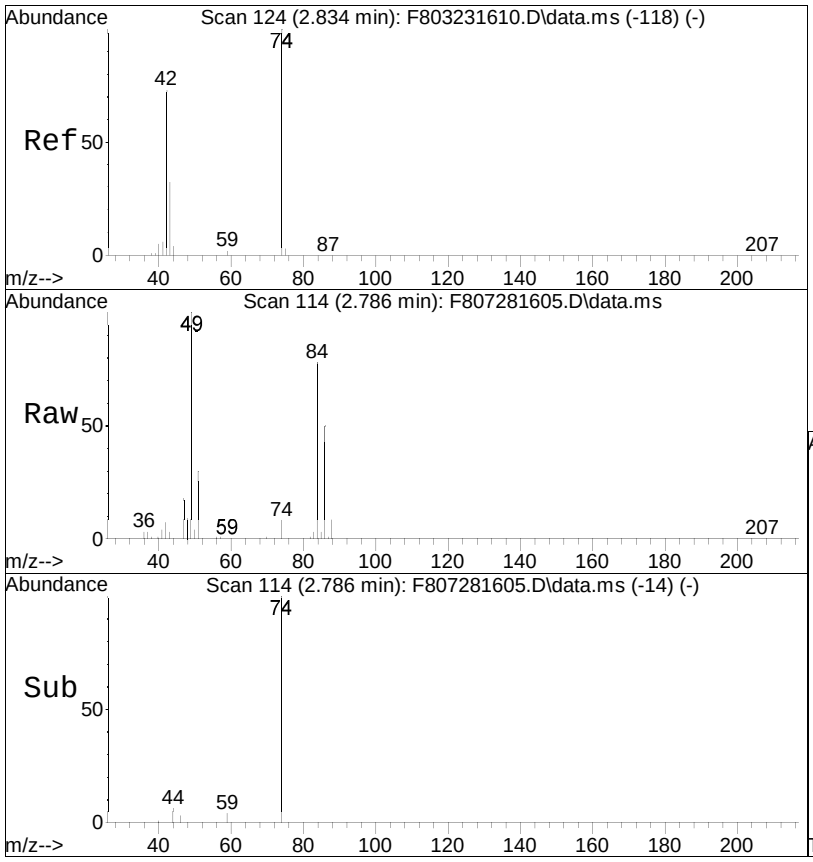
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281605.D
Acq On : 28 Jul 2016 1:01 pm
Operator : BNA8:SF
Sample : I807281601
Misc : WG919318,MSAK12
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 10 09:45:27 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 10 09:45:35 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

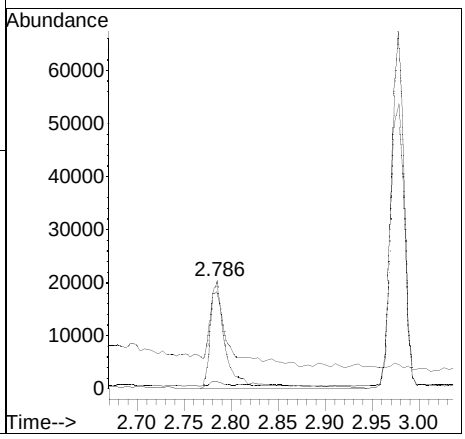


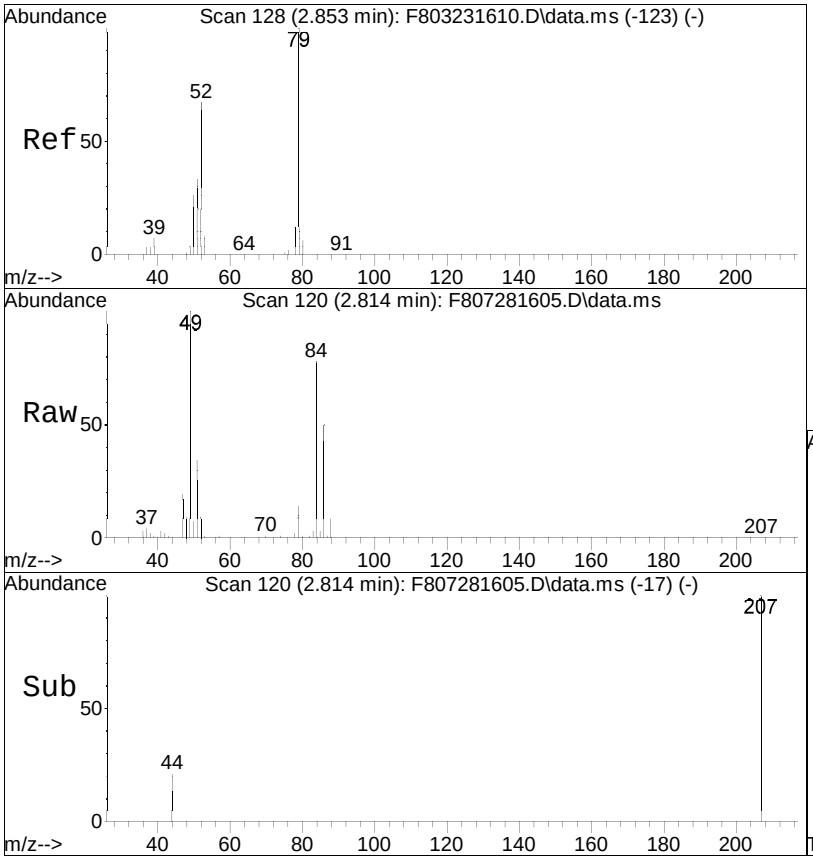


#2
N-Nitrosodimethylamine
Concen: 0.53 ug/mL M4
RT: 2.786 min Scan# 114
Delta R.T. -0.019 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion: 74 Resp: 25262

Ion	Ratio	Lower	Upper
74	100		
42	48.8	43.8	65.6
40	7.1	4.2	6.4#

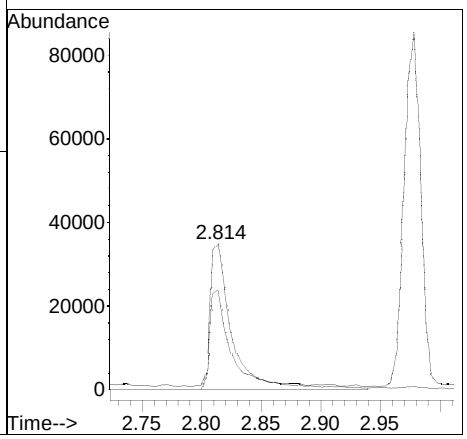


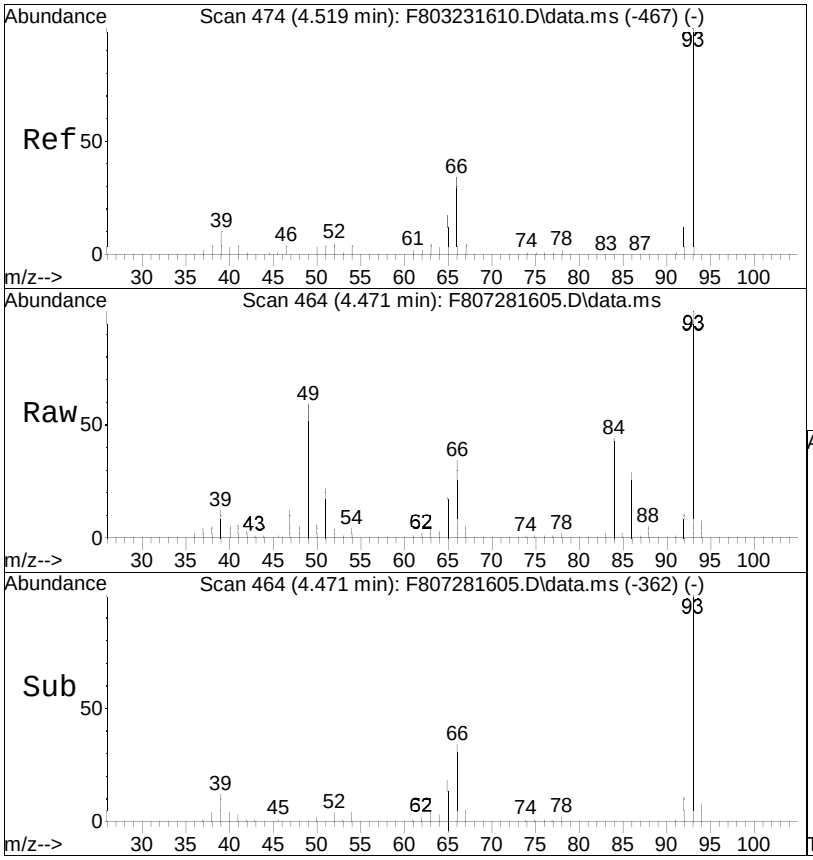


#3
Pyridine
Concen: 0.50 ug/mL
RT: 2.814 min Scan# 120
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion: 79 Resp: 45308

Ion	Ratio	Lower	Upper
79	100		
52	60.2	46.6	69.8

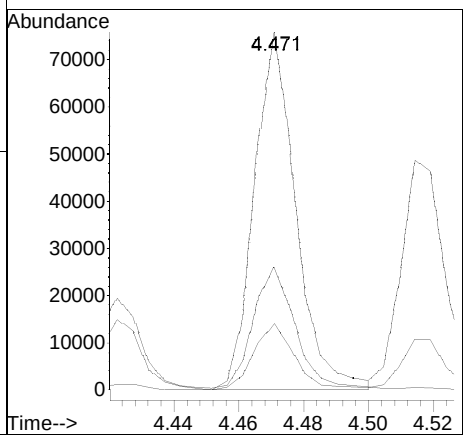


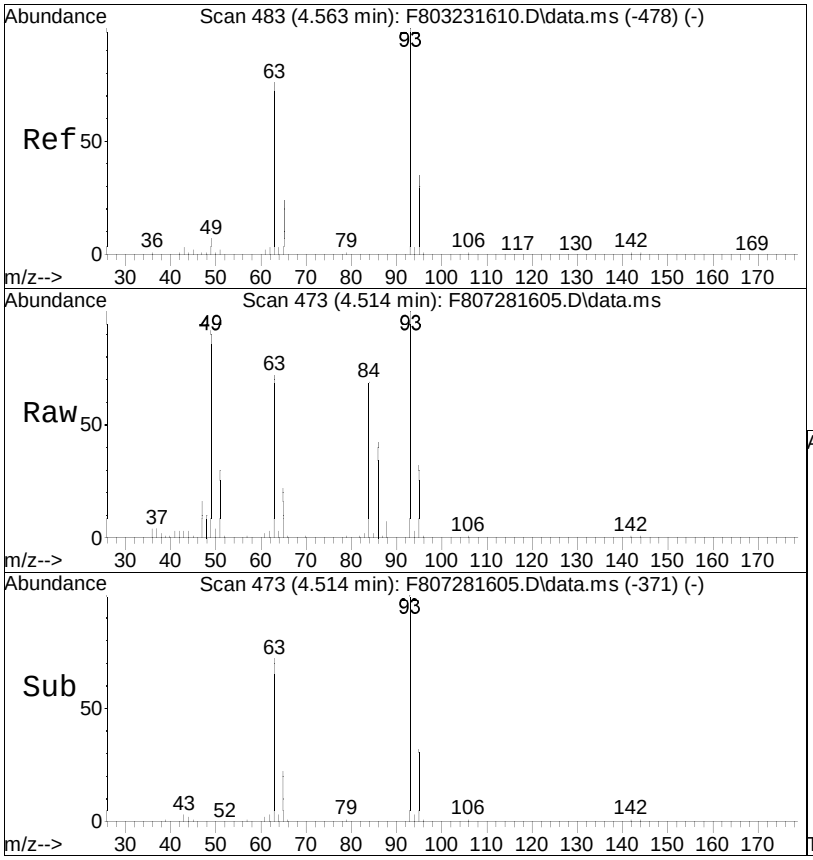


#6
Aniline
Concen: 0.49 ug/ml M4
RT: 4.471 min Scan# 464
Delta R.T. -0.010 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion: 93 Resp: 67332

Ion	Ratio	Lower	Upper
93	100		
66	35.5	26.7	40.1
65	18.4	14.2	21.4

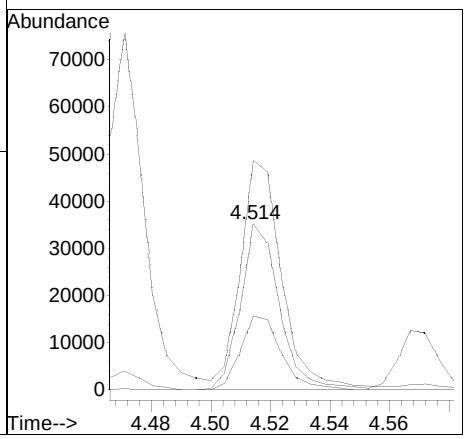


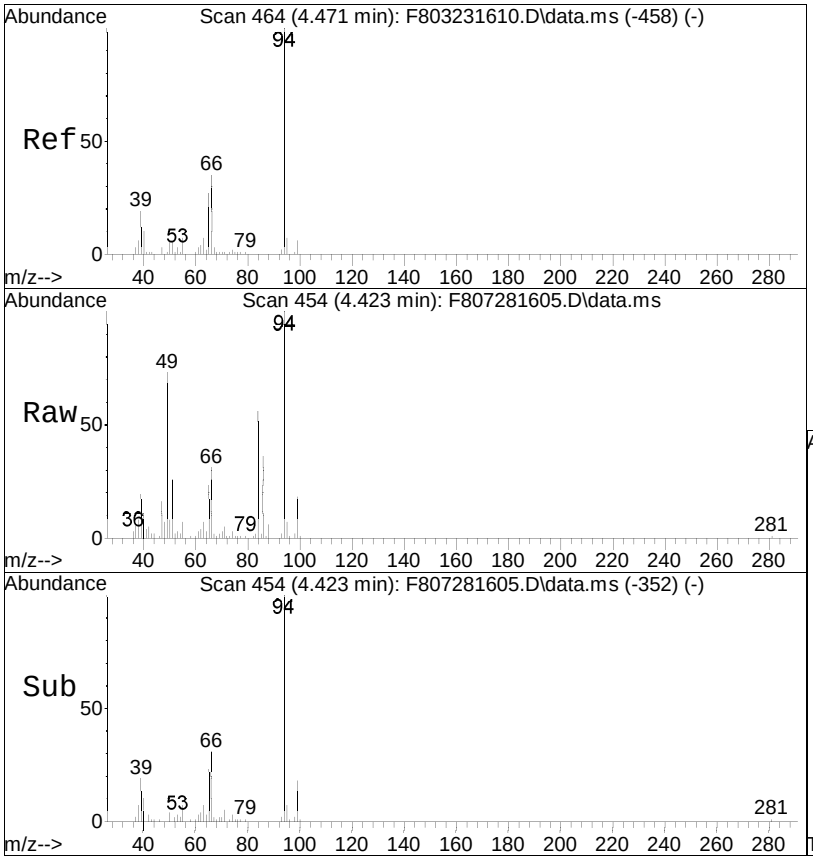


#7
bis(2-Chloroethyl)ether
Concen: 0.53 ug/mL
RT: 4.514 min Scan# 473
Delta R.T. -0.010 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion: 63 Resp: 32053

Ion	Ratio	Lower	Upper
63	100		
93	148.4	123.0	184.4
95	46.8	41.1	61.7

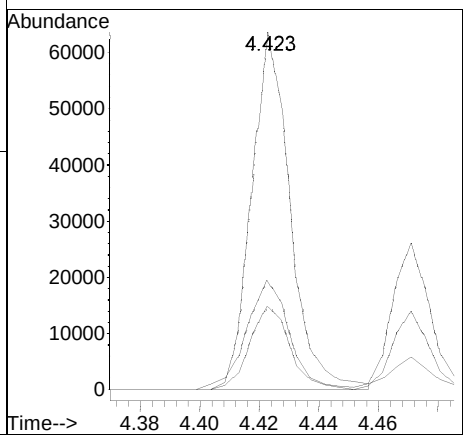


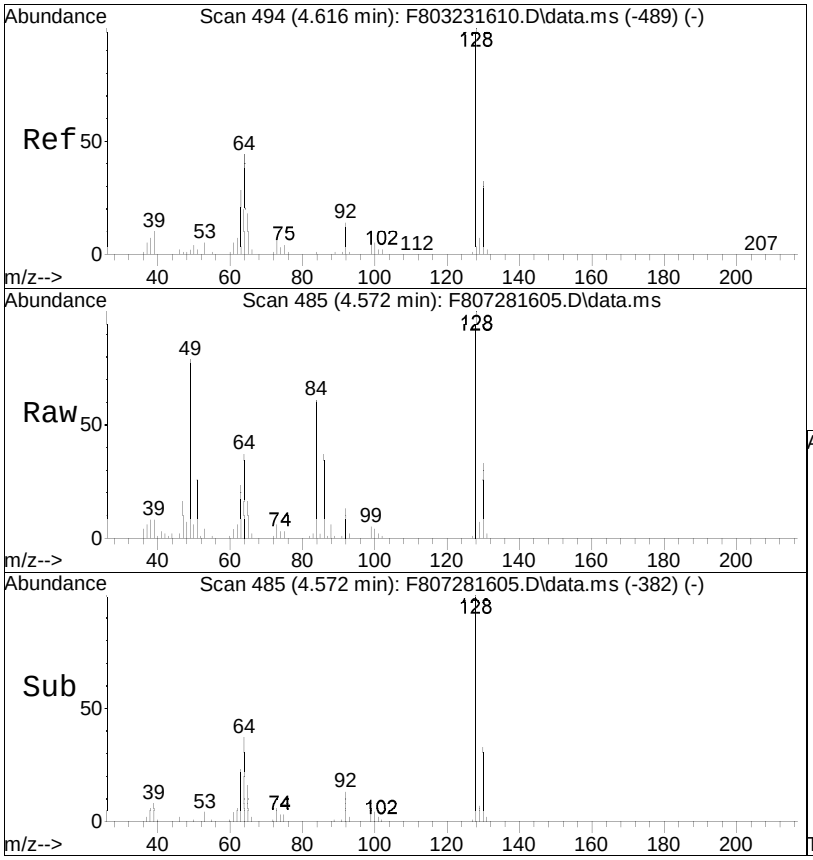


#9
Phenol
Concen: 0.51 ug/mL M4
RT: 4.423 min Scan# 454
Delta R.T. -0.009 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion: 94 Resp: 57101

Ion	Ratio	Lower	Upper
94	100		
66	34.0	21.7	32.5#
65	24.3	17.6	26.4

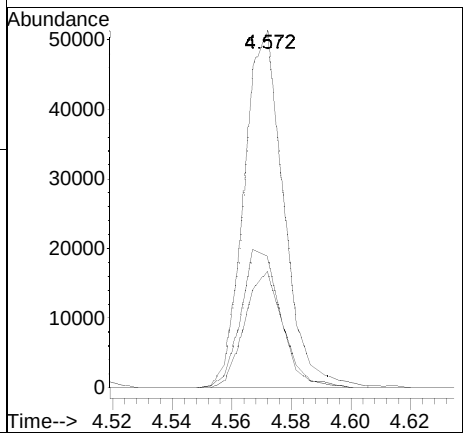


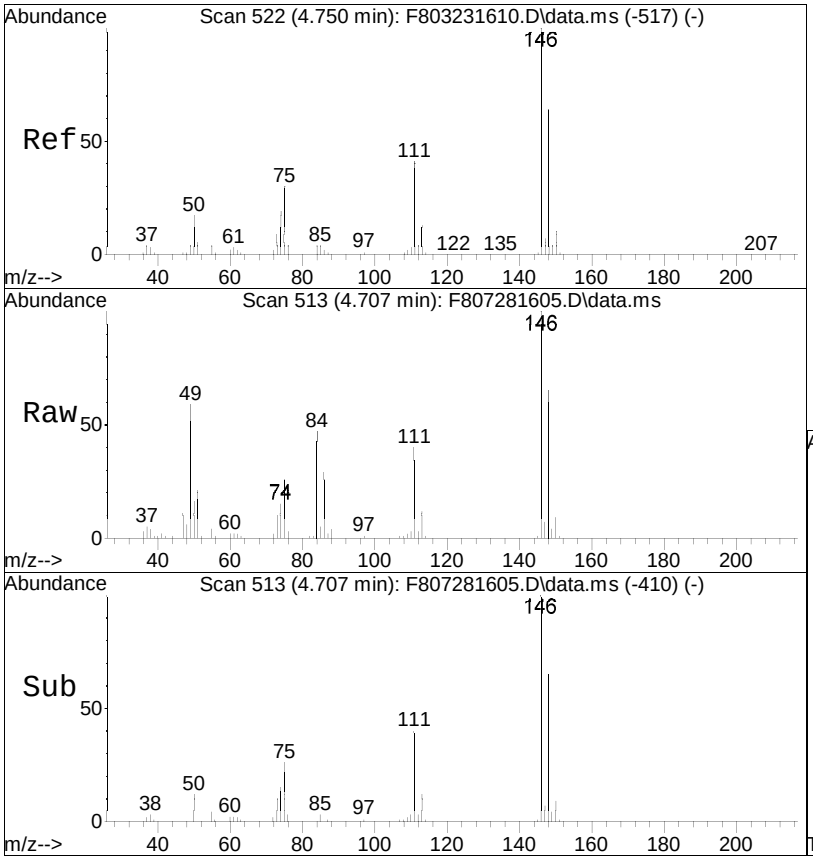


#10
2-Chlorophenol
Concen: 0.49 ug/mL
RT: 4.572 min Scan# 485
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:128 Resp: 47442

Ion	Ratio	Lower	Upper
128	100		
64	38.8	27.6	41.4
130	32.1	26.2	39.4

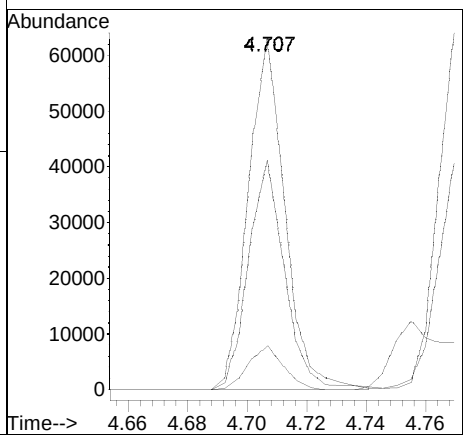


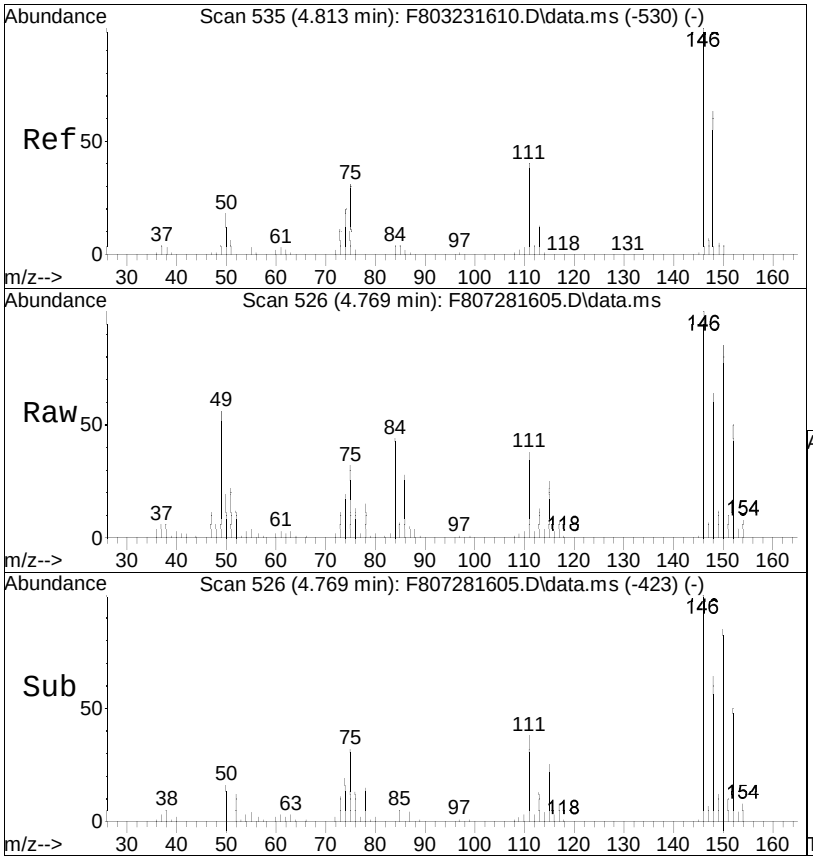


#11
1,3-Dichlorobenzene
Concen: 0.51 ug/mL
RT: 4.707 min Scan# 513
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:146 Resp: 54089

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.6
113	12.2	9.7	14.5

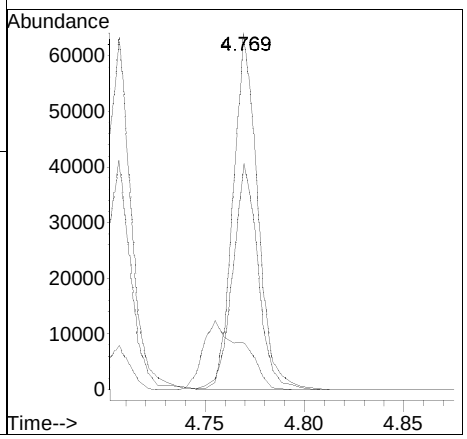


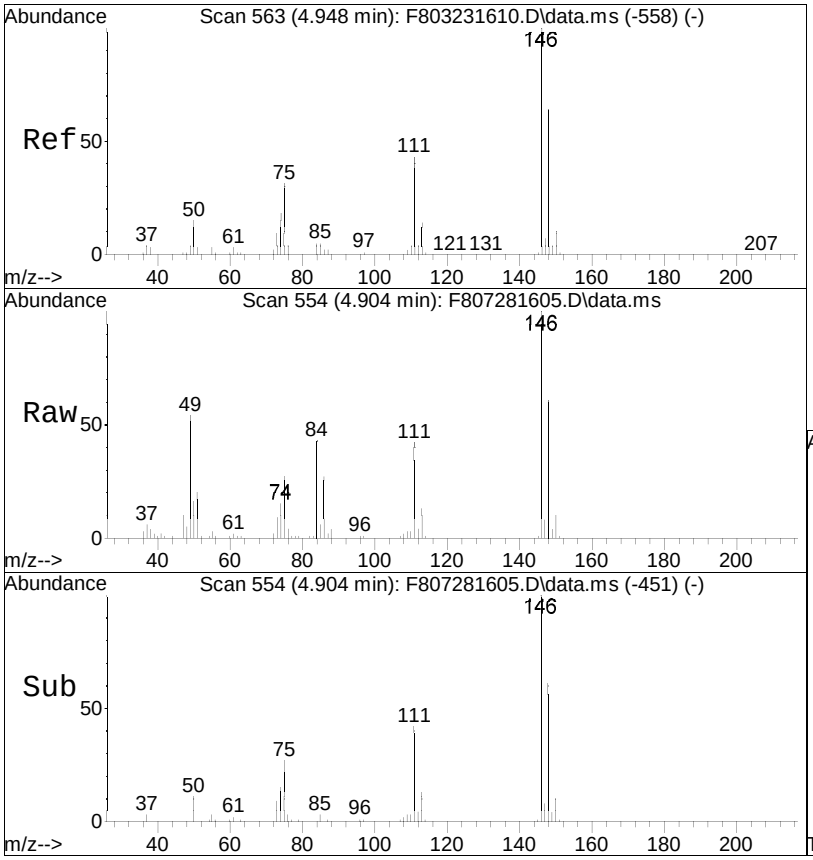


#12
1,4-Dichlorobenzene
Concen: 0.52 ug/mL M4
RT: 4.769 min Scan# 526
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:146 Resp: 55221

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.2	76.8
113	11.9	9.1	13.7

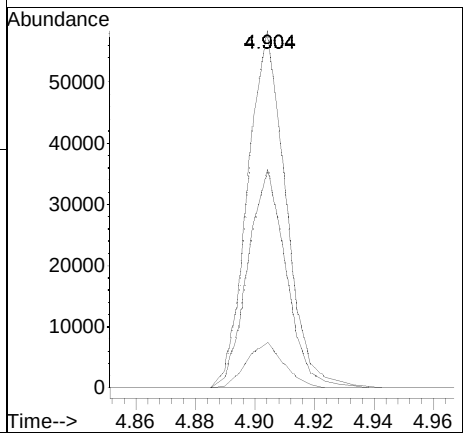


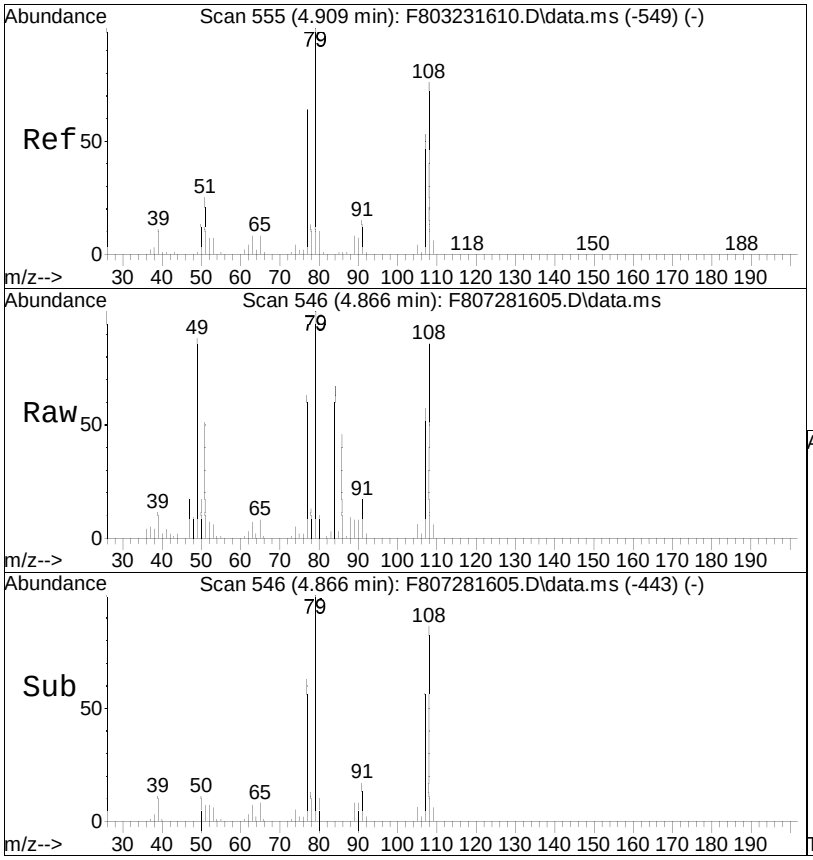


#13
1,2-Dichlorobenzene
Concen: 0.51 ug/mL
RT: 4.904 min Scan# 554
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:146 Resp: 51823

Ion	Ratio	Lower	Upper
146	100		
148	61.6	51.0	76.6
113	12.6	10.0	15.0

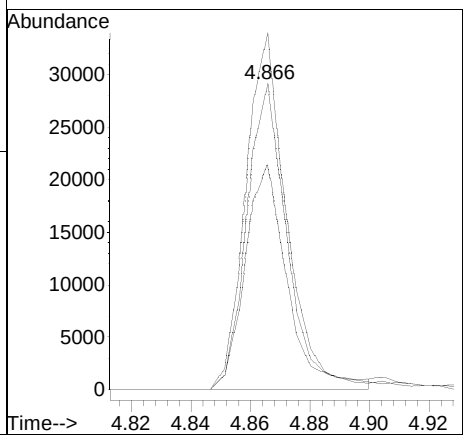


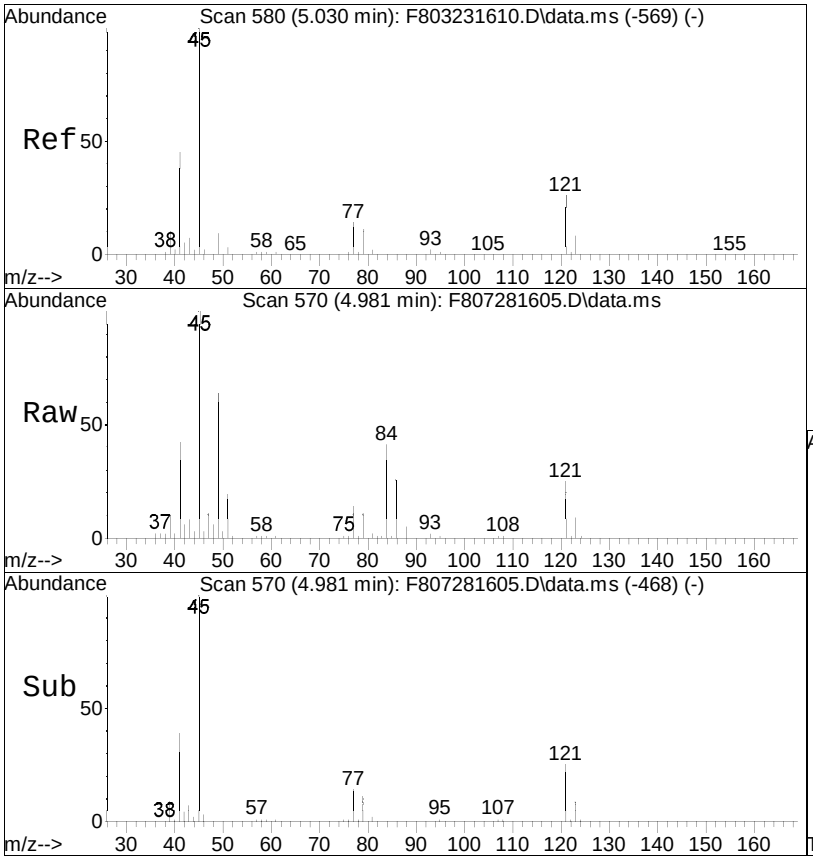


#14
Benzyl alcohol
Concen: 0.47 ug/mL
RT: 4.866 min Scan# 546
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:108 Resp: 27516

Ion	Ratio	Lower	Upper
108	100		
79	117.7	84.5	126.7
77	76.7	52.9	79.3

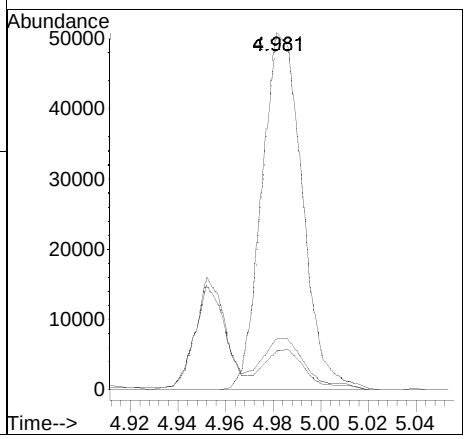


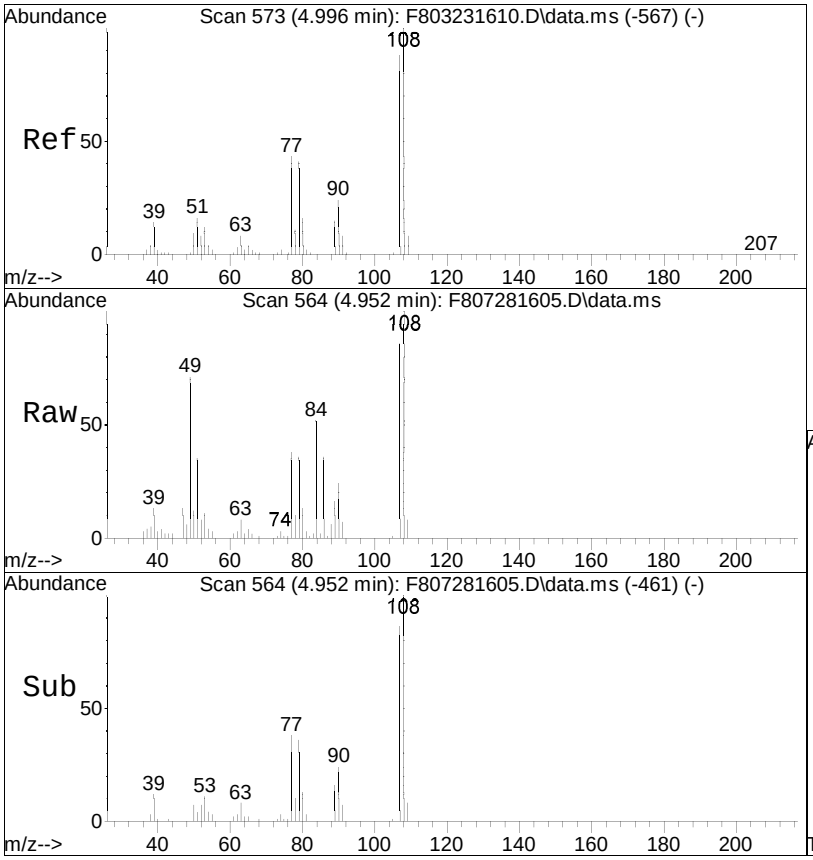


#15
bis(2-chloroisopropyl)ether
Concen: 0.55 ug/mL
RT: 4.981 min Scan# 570
Delta R.T. -0.010 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion: 45 Resp: 59710

Ion	Ratio	Lower	Upper
45	100		
77	0.0	13.2	19.8#
79	0.0	10.9	16.3#

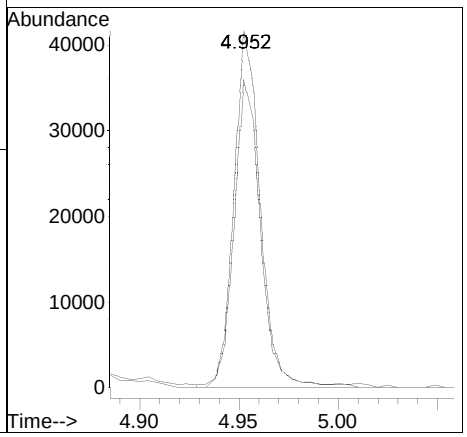


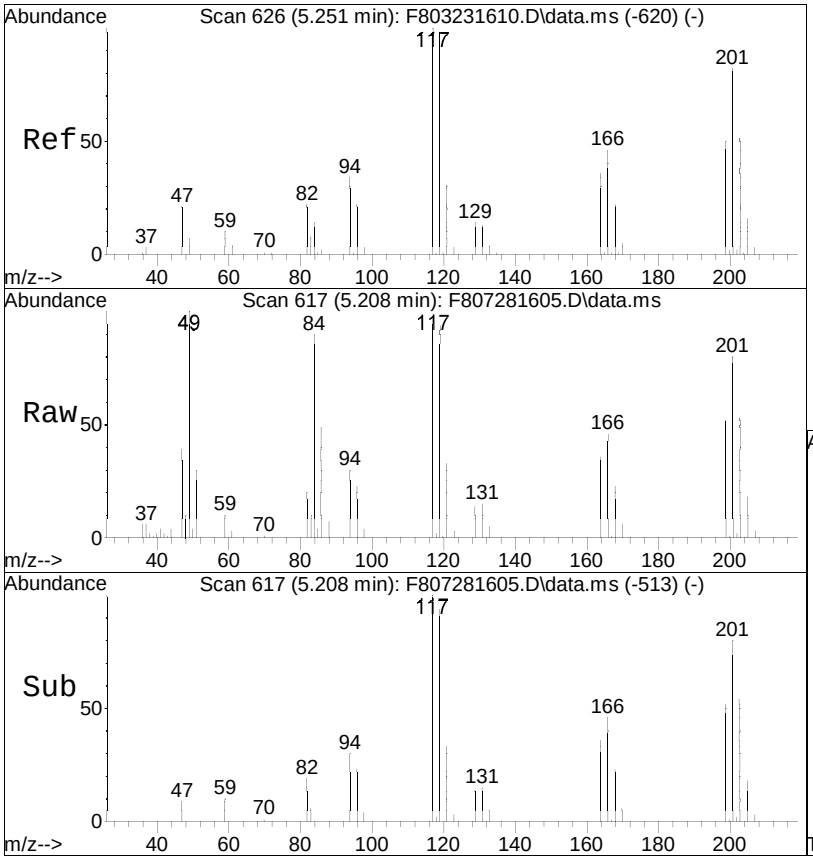


#16
2-Methylphenol
Concen: 0.51 ug/mL M4
RT: 4.952 min Scan# 564
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:108 Resp: 38558

Ion	Ratio	Lower	Upper
108	100		
107	85.6	68.1	102.1

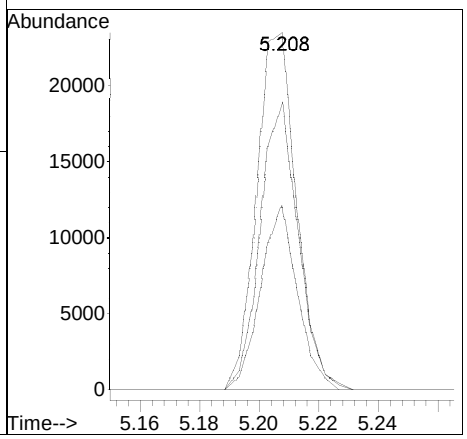


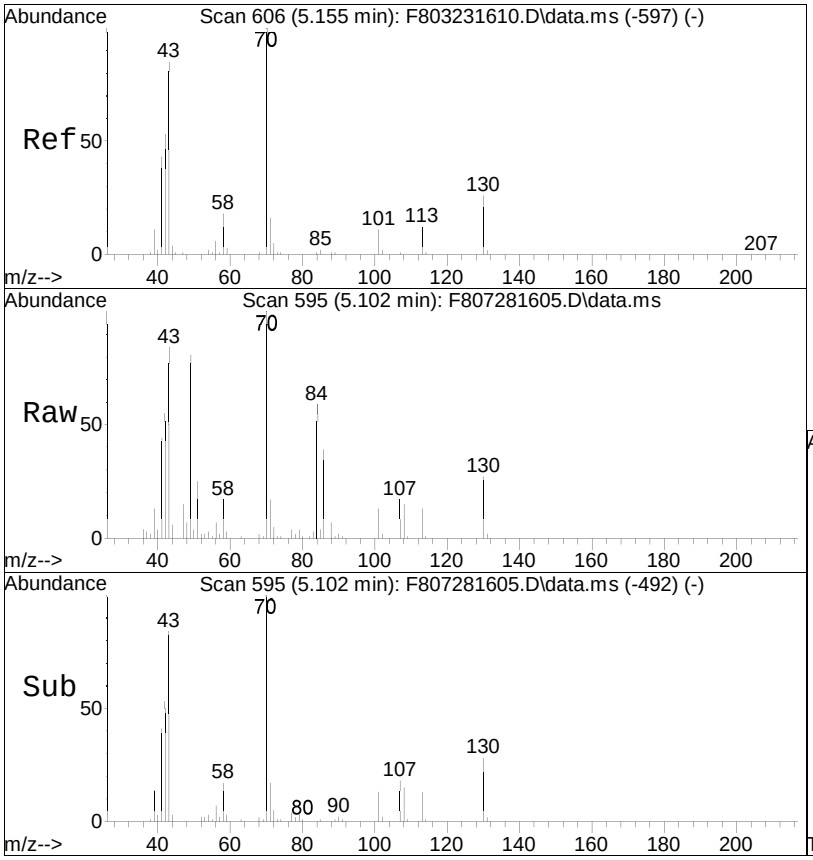


#18
Hexachloroethane
Concen: 0.51 ug/mL
RT: 5.208 min Scan# 617
Delta R.T. -0.000 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:117 Resp: 21846

Ion	Ratio	Lower	Upper
117	100		
201	77.0	62.8	94.2
199	47.9	39.0	58.4

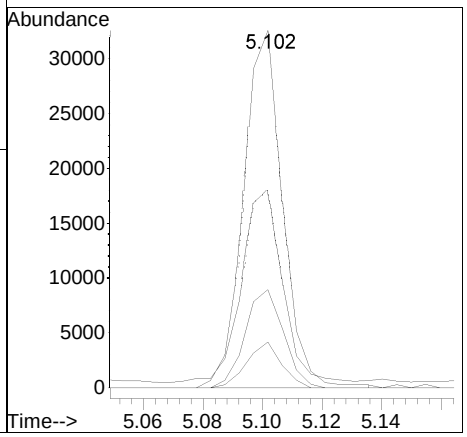


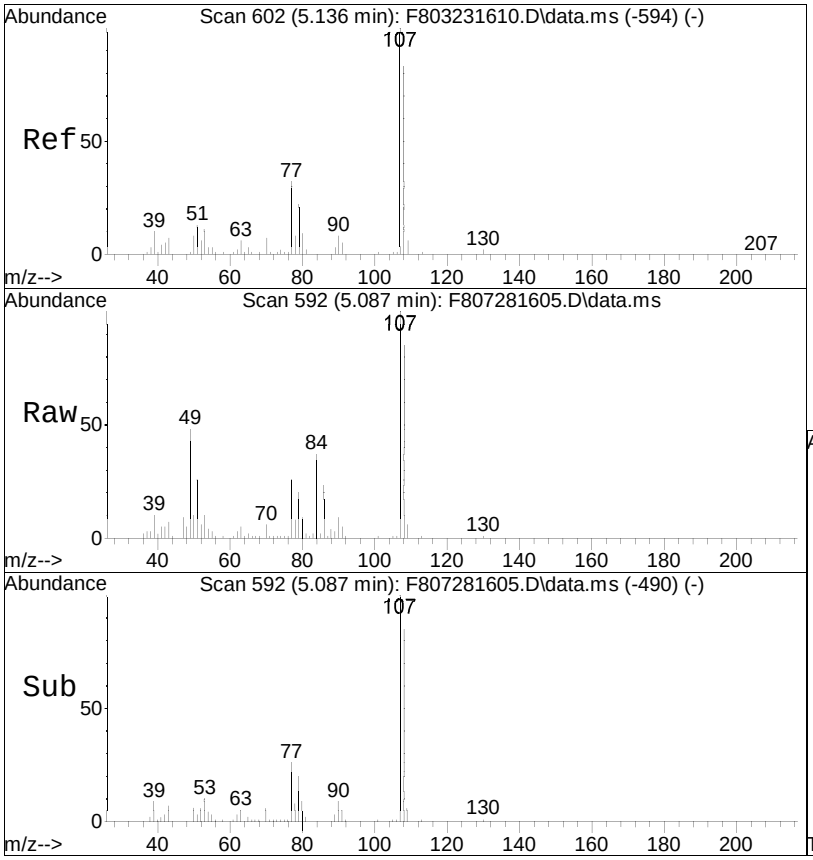


#19
N-Nitroso-di-n-propylamine
Concen: 0.50 ug/mL
RT: 5.102 min Scan# 595
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion: 70 Resp: 29495

Ion	Ratio	Lower	Upper
70	100		
42	55.9	37.1	55.7#
130	27.1	24.0	36.0
101	11.5	9.2	13.8

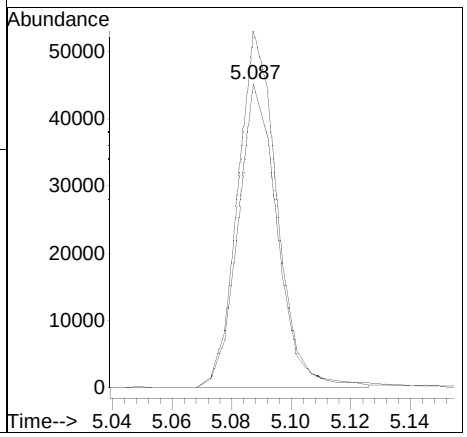


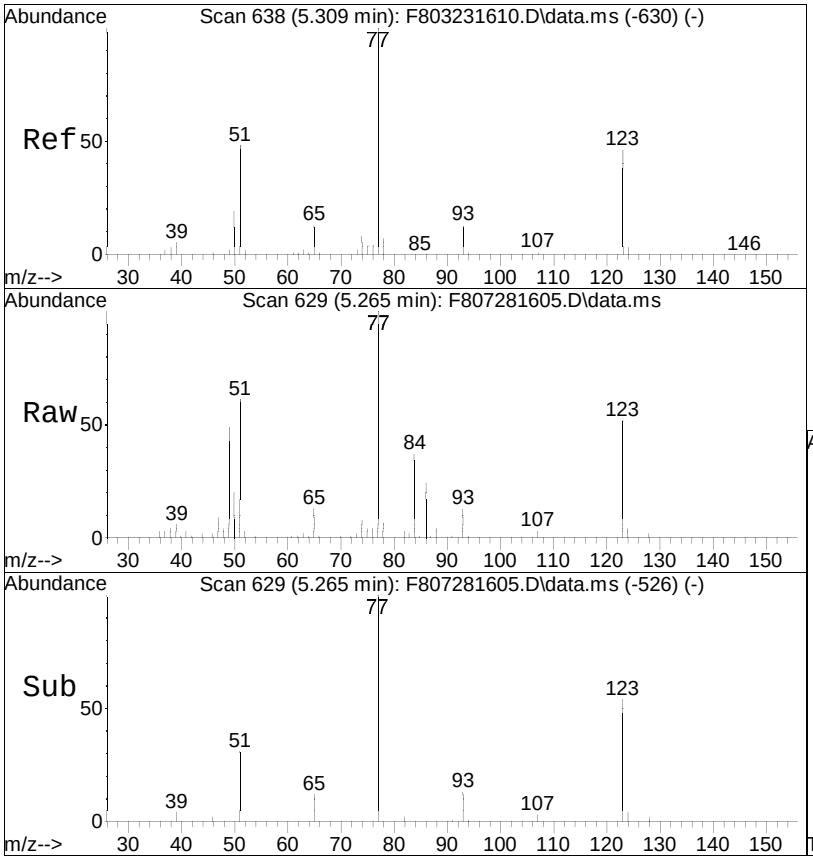


#20
4-Methylphenol
Concen: 0.50 ug/mL
RT: 5.087 min Scan# 592
Delta R.T. -0.010 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:108 Resp: 41476

Ion	Ratio	Lower	Upper
108	100		
107	117.5	94.6	142.0

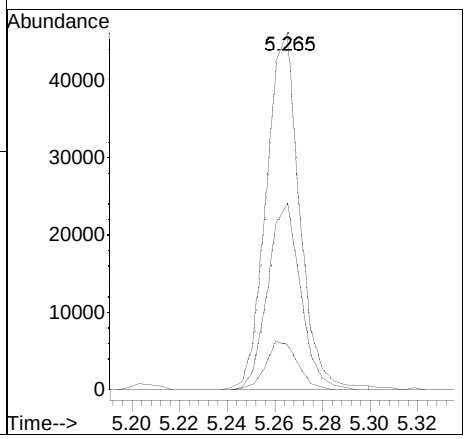


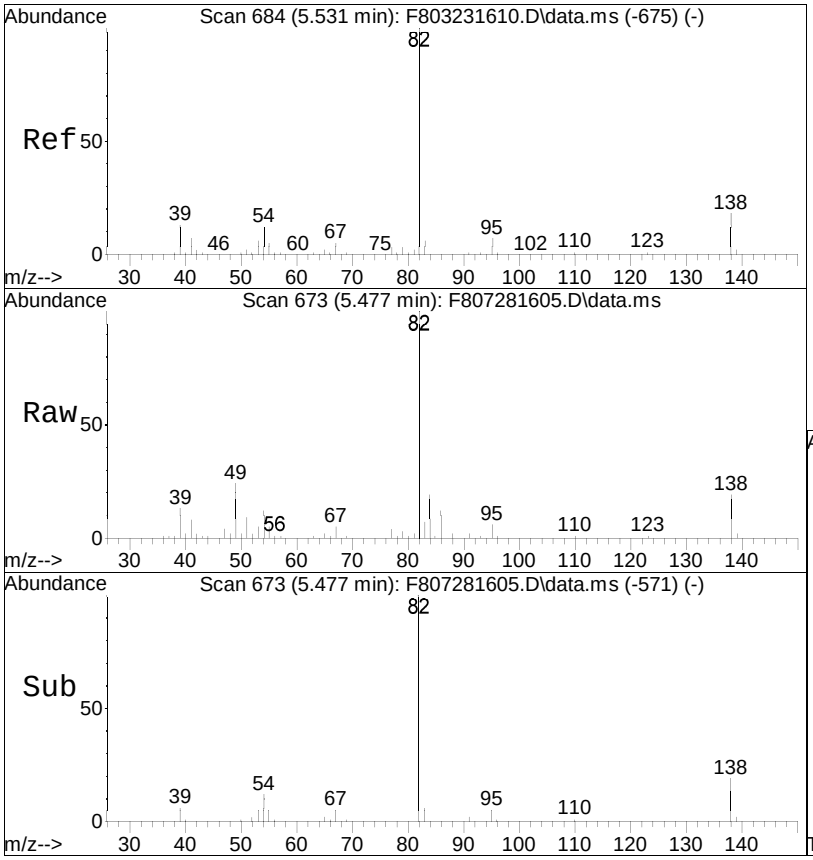


#23
Nitrobenzene
Concen: 0.51 ug/mL
RT: 5.265 min Scan# 629
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion: 77 Resp: 44526

Ion	Ratio	Lower	Upper
77	100		
123	51.5	45.4	68.2
65	13.1	10.2	15.4

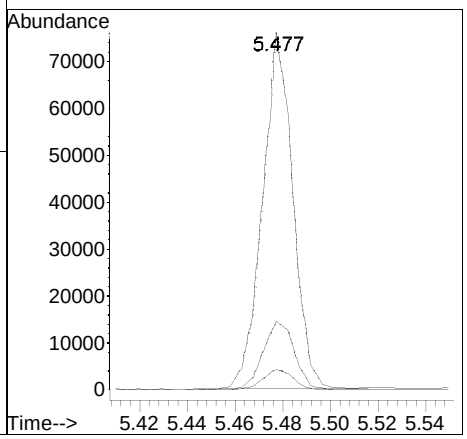


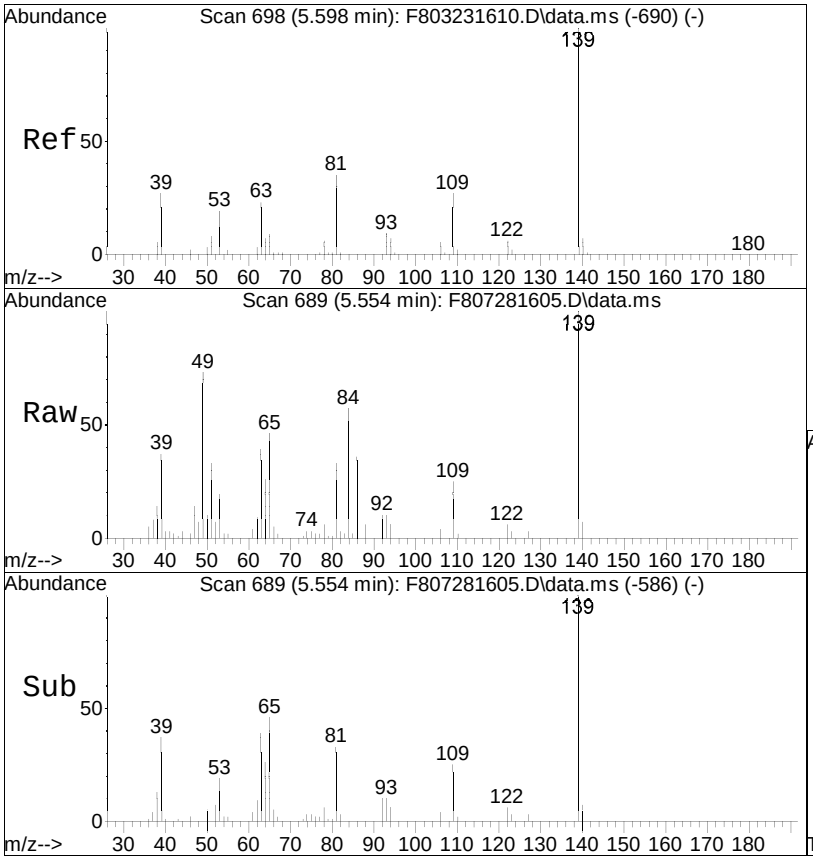


#24
Isophorone
Concen: 0.49 ug/mL
RT: 5.477 min Scan# 673
Delta R.T. -0.010 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion: 82 Resp: 65923

Ion	Ratio	Lower	Upper
82	100		
138	20.3	17.0	25.4
95	6.0	4.9	7.3

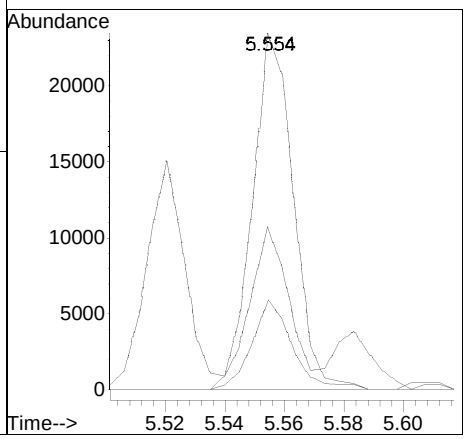


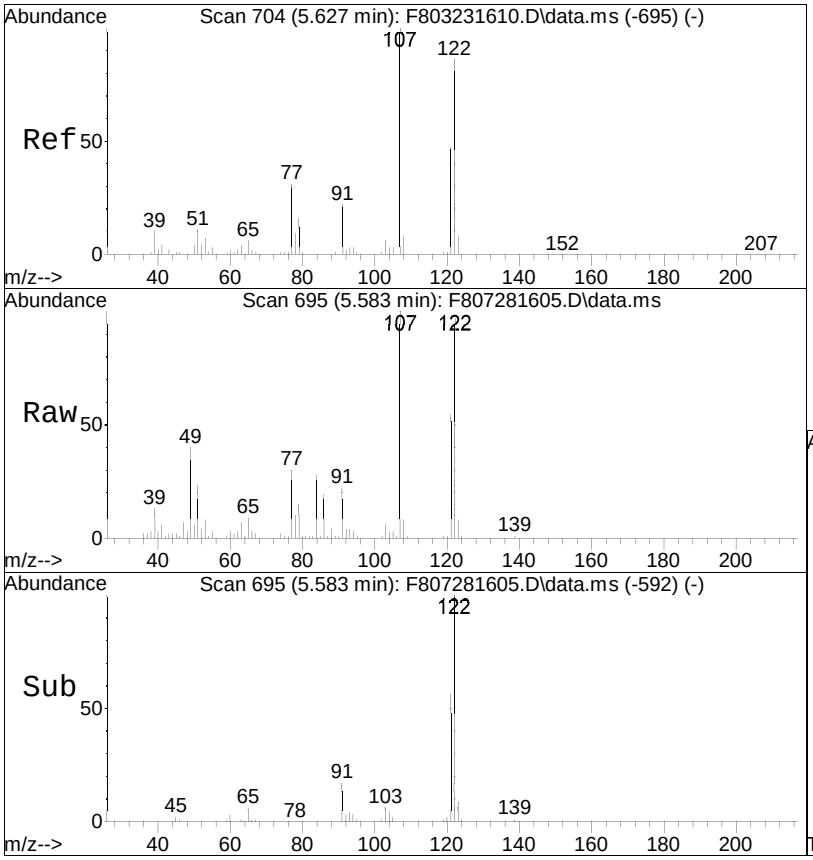


#25
2-Nitrophenol
Concen: 0.45 ug/mL
RT: 5.554 min Scan# 689
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:139 Resp: 22421

Ion	Ratio	Lower	Upper
139	100		
65	55.8	28.4	42.6#
109	24.7	16.3	24.5#

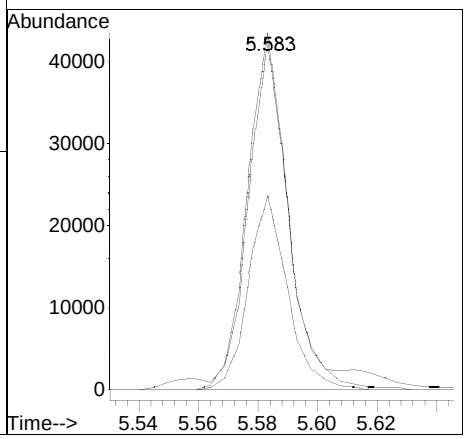


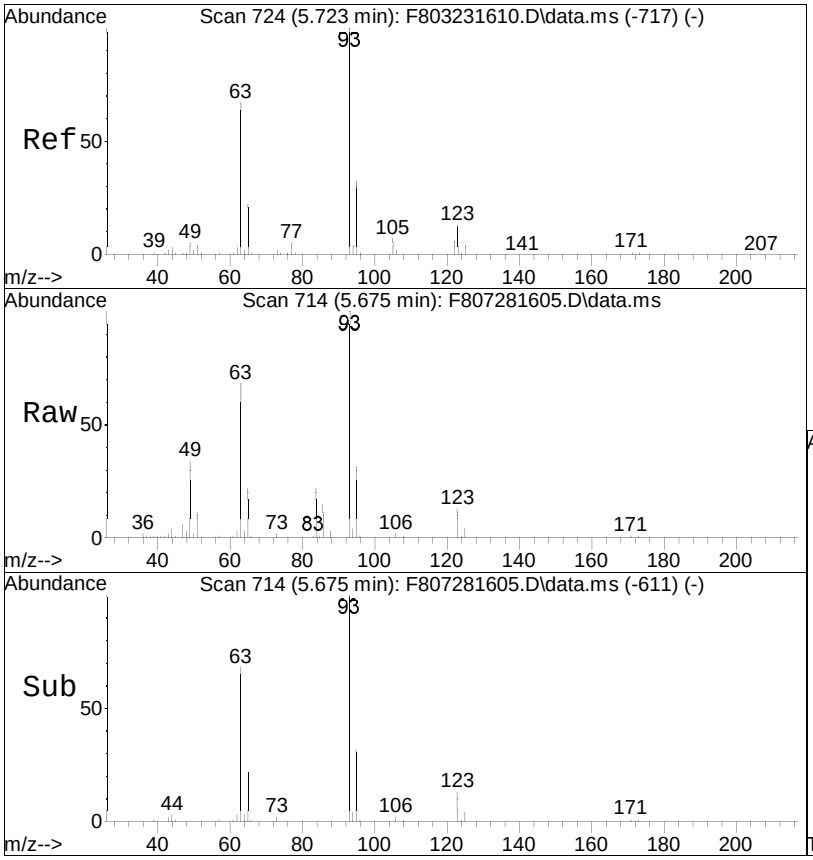


#26
2,4-Dimethylphenol
Concen: 0.53 ug/mL
RT: 5.583 min Scan# 695
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:107 Resp: 41104

Ion	Ratio	Lower	Upper
107	100		
122	99.0	78.4	117.6
121	52.7	43.0	64.6

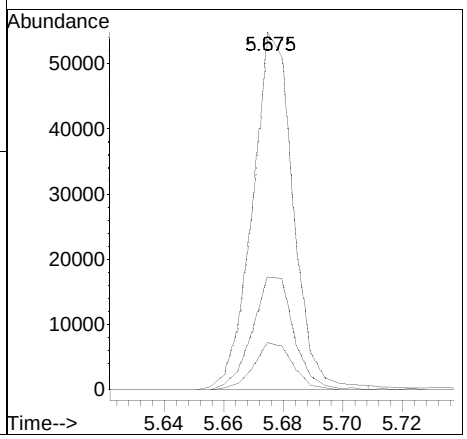


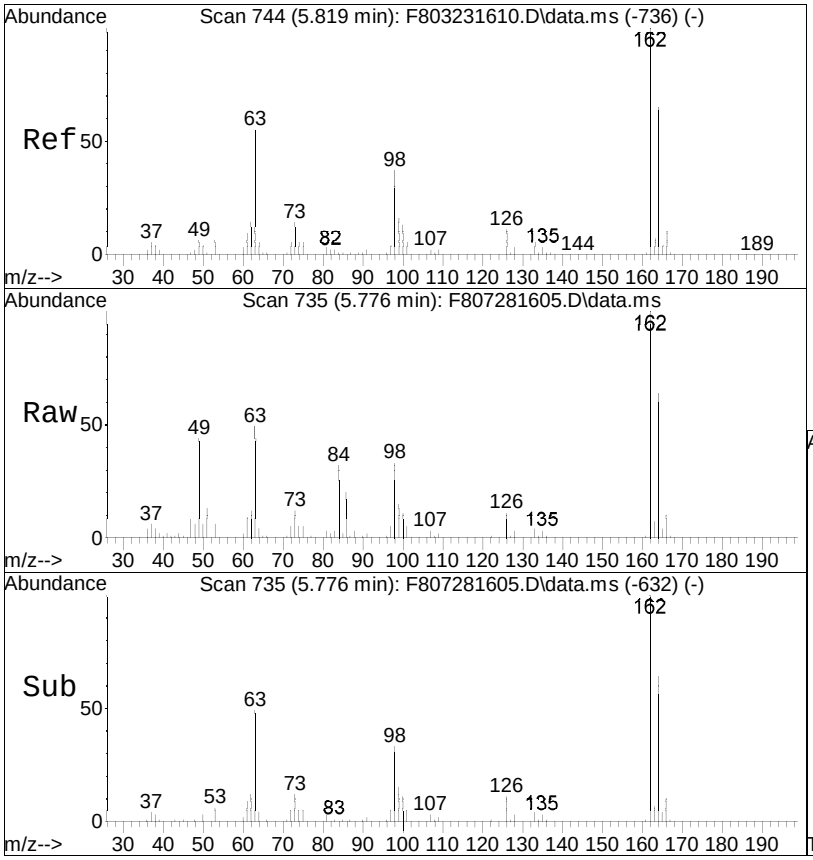


#28
bis(2-Chloroethoxy)methane
Concen: 0.52 ug/mL
RT: 5.675 min Scan# 714
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion: 93 Resp: 51679

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.7	40.1
123	12.9	11.9	17.9

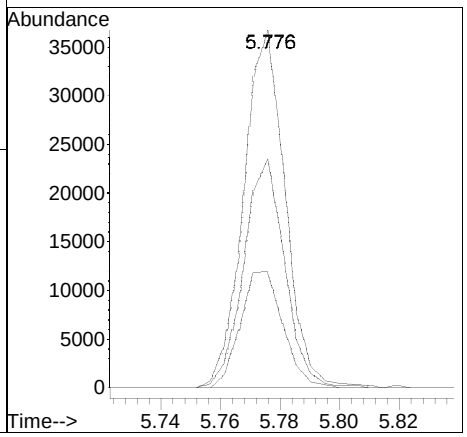


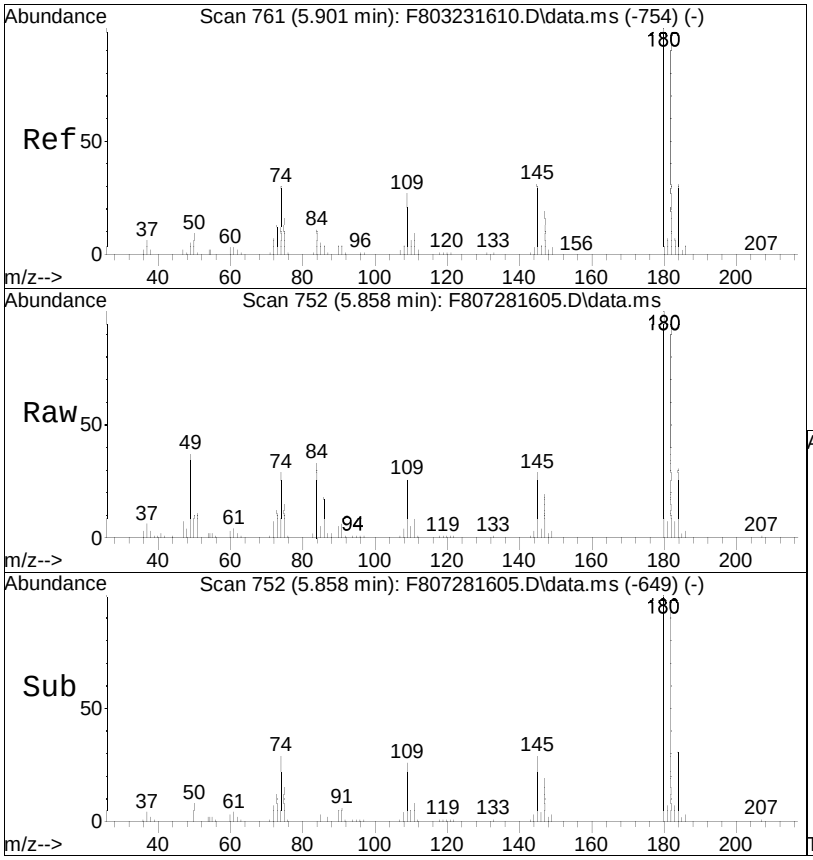


#29
2,4-Dichlorophenol
Concen: 0.48 ug/mL
RT: 5.776 min Scan# 735
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:162 Resp: 35410

Ion	Ratio	Lower	Upper
162	100		
164	63.3	50.8	76.2
98	33.5	26.3	39.5

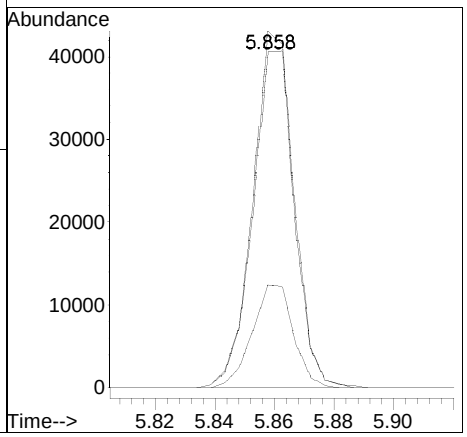


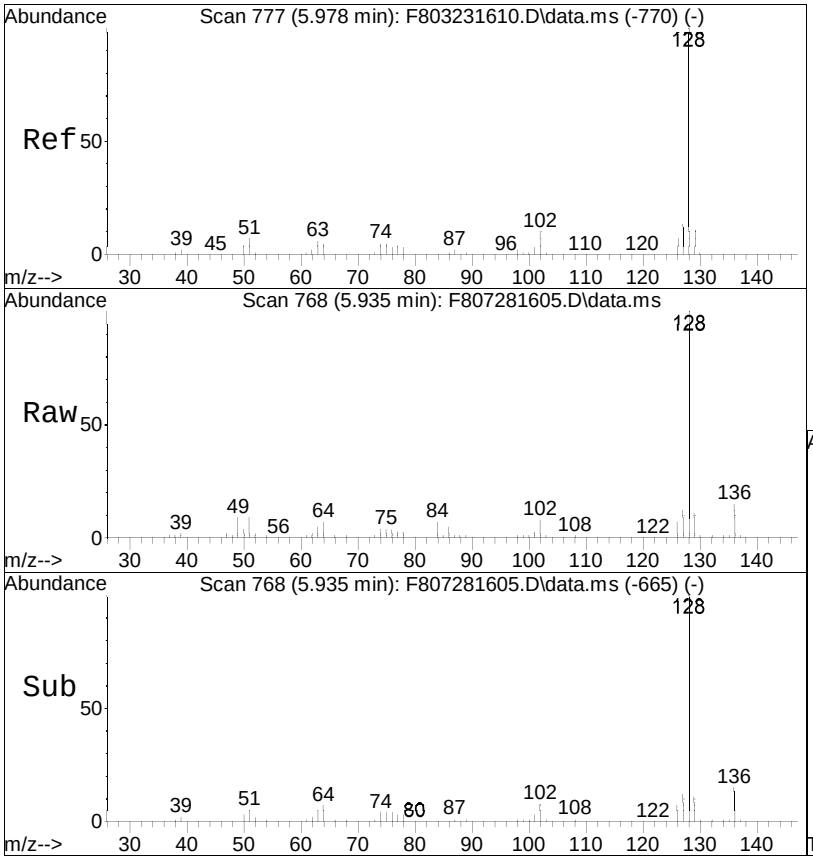


#30
1,2,4-Trichlorobenzene
Concen: 0.53 ug/mL
RT: 5.858 min Scan# 752
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:180 Resp: 41410

Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.2	114.4
145	28.8	23.6	35.4

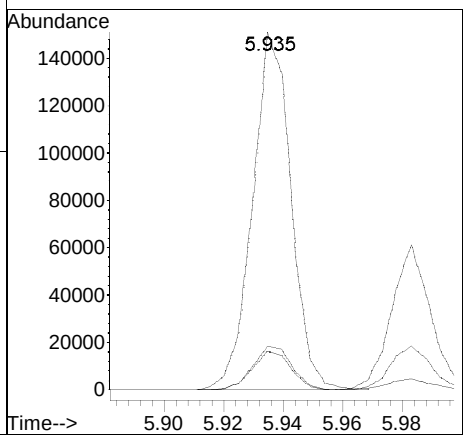


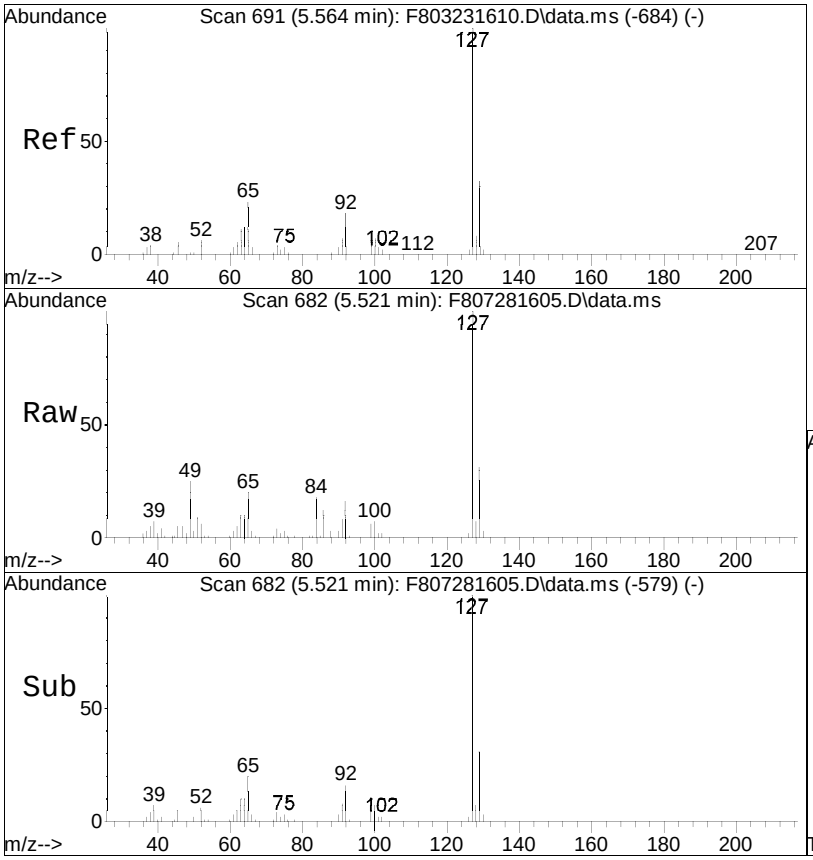


#31
Naphthalene
Concen: 0.53 ug/mL
RT: 5.935 min Scan# 768
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:128 Resp: 134896

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	12.6	10.0	15.0

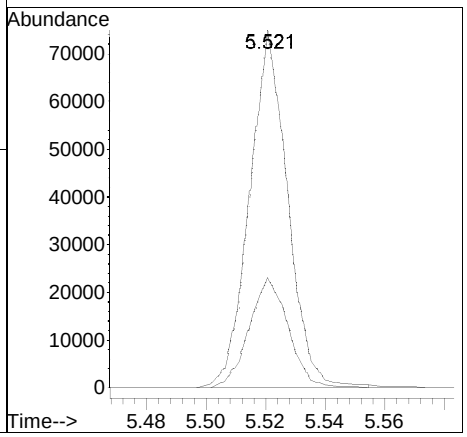


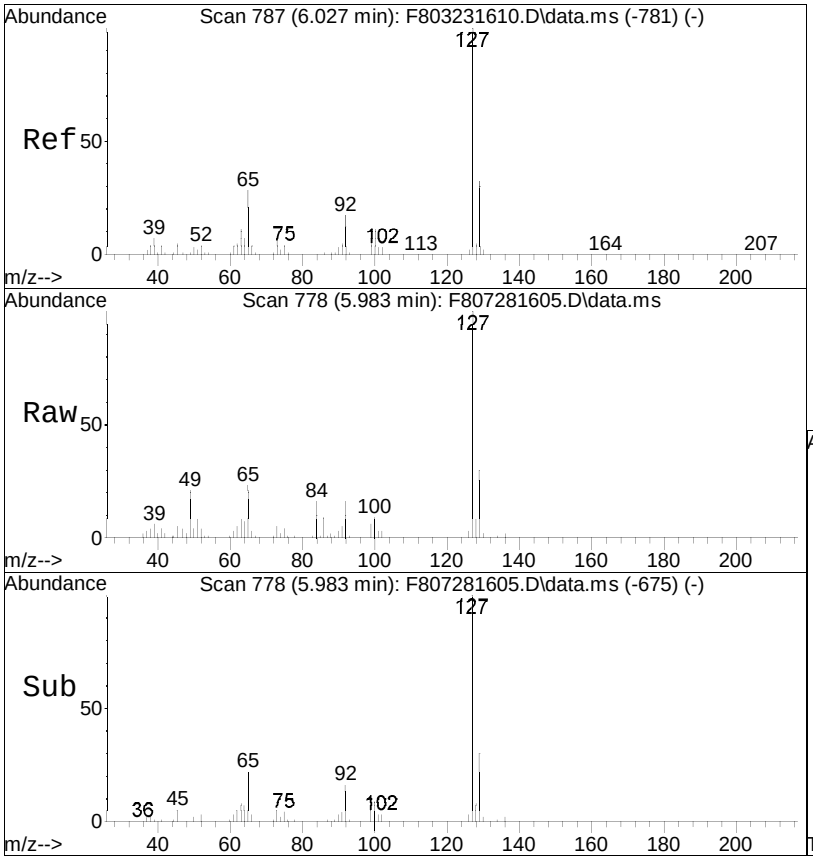


#32
2-Chloroaniline
Concen: 0.51 ug/ml
RT: 5.521 min Scan# 682
Delta R.T. -0.004 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:127 Resp: 65928

Ion	Ratio	Lower	Upper
127	100		
129	31.8	26.2	39.4

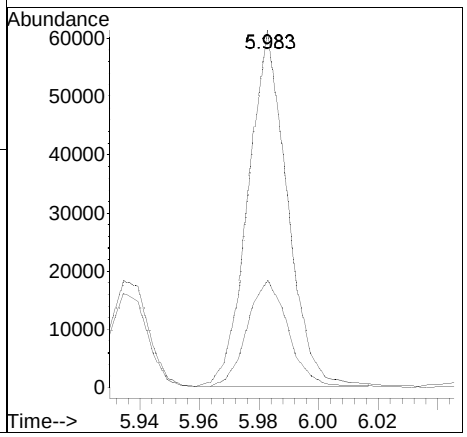


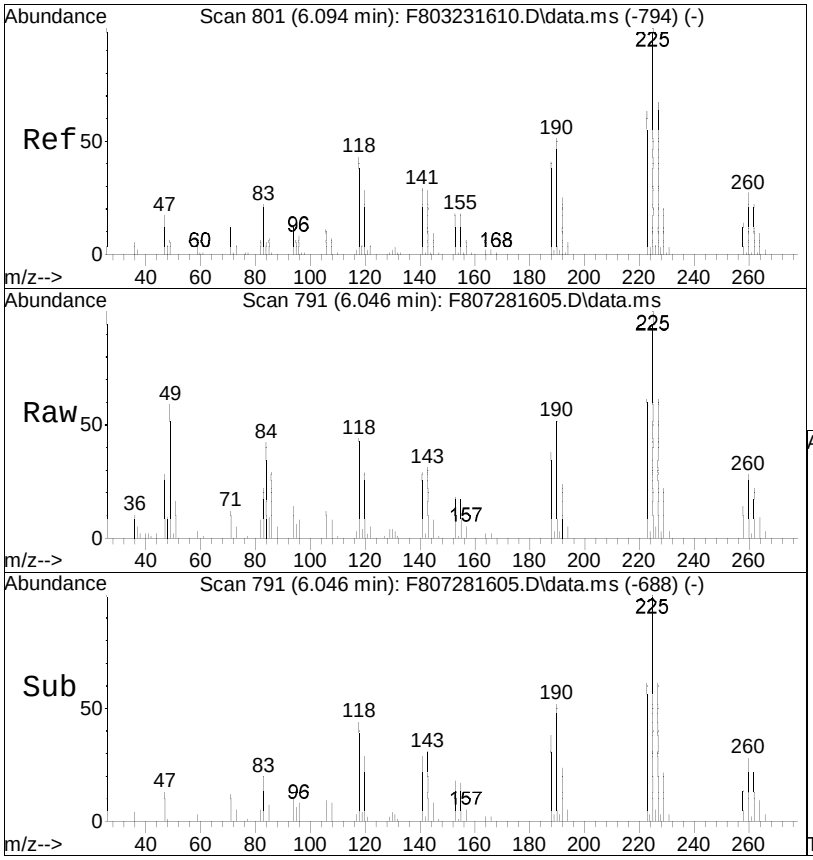


#33
4-Chloroaniline
Concen: 0.51 ug/mL
RT: 5.983 min Scan# 778
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:127 Resp: 55480

Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.8	38.6

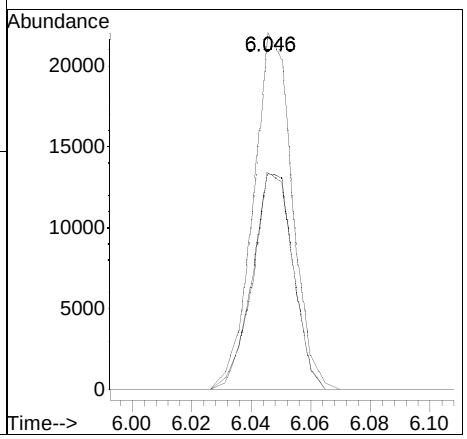


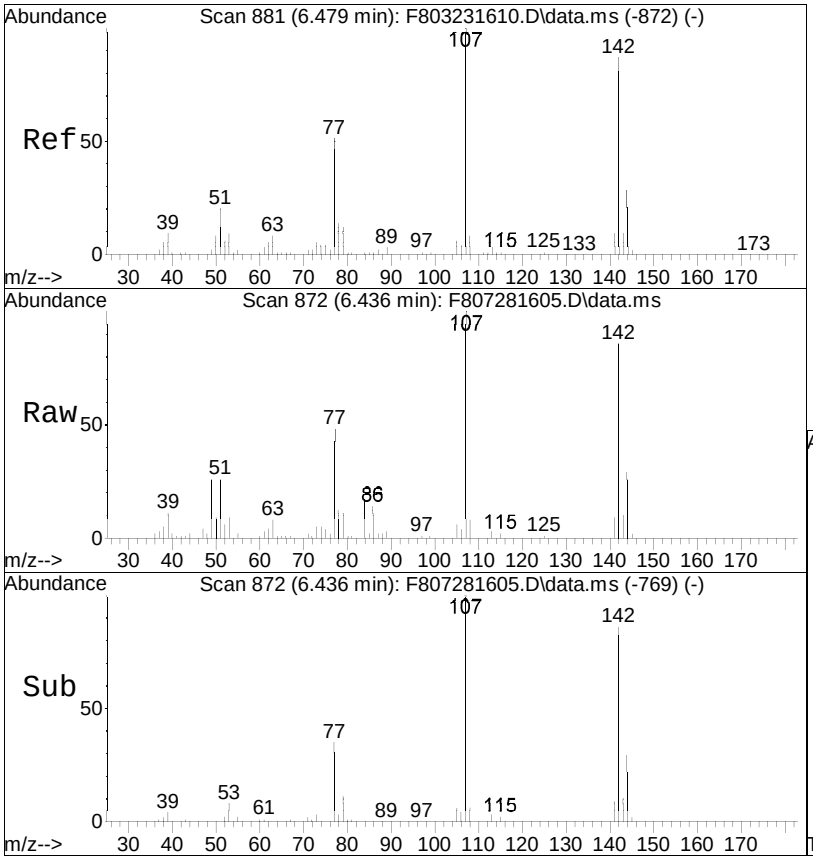


#34
Hexachlorobutadiene
Concen: 0.50 ug/mL
RT: 6.046 min Scan# 791
Delta R.T. -0.004 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:225 Resp: 20003

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.8	76.2
227	63.4	51.1	76.7

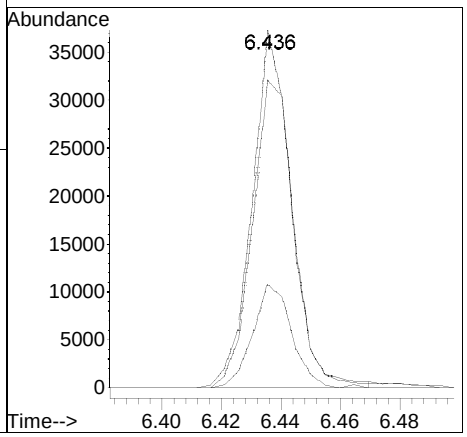


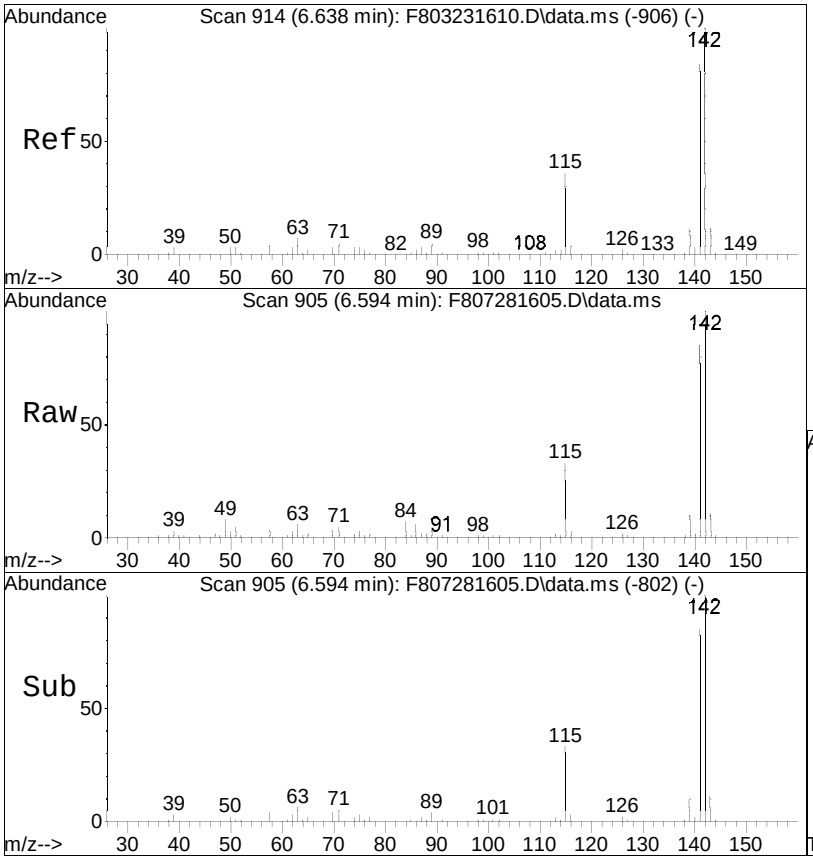


#36
4-Chloro-3-methylphenol
Concen: 0.48 ug/mL
RT: 6.436 min Scan# 872
Delta R.T. -0.004 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:107 Resp: 33702

Ion	Ratio	Lower	Upper
107	100		
144	29.2	24.3	36.5
142	91.8	74.4	111.6

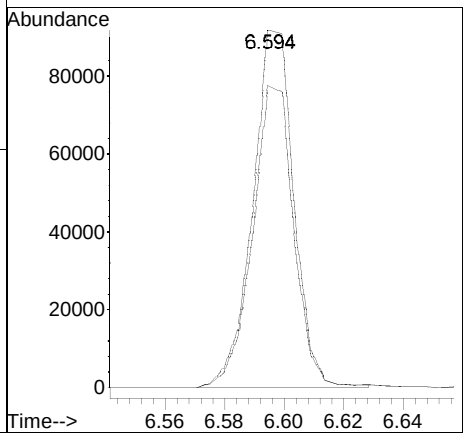


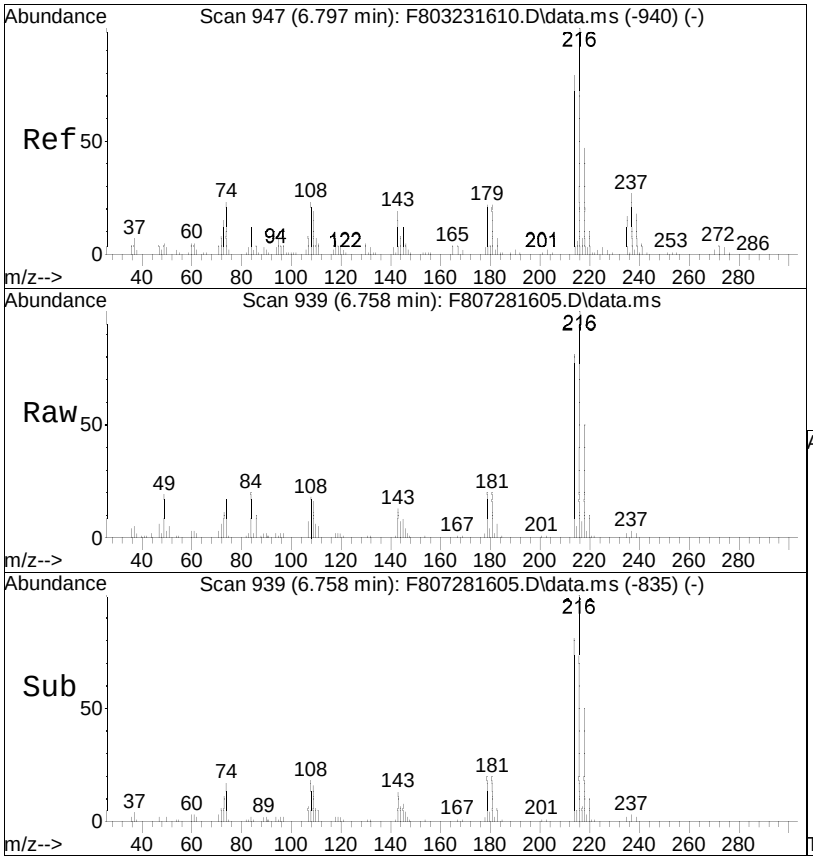


#37
2-Methylnaphthalene
Concen: 0.52 ug/mL
RT: 6.594 min Scan# 905
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:142 Resp: 87415

Ion	Ratio	Lower	Upper
142	100		
141	84.6	66.6	100.0

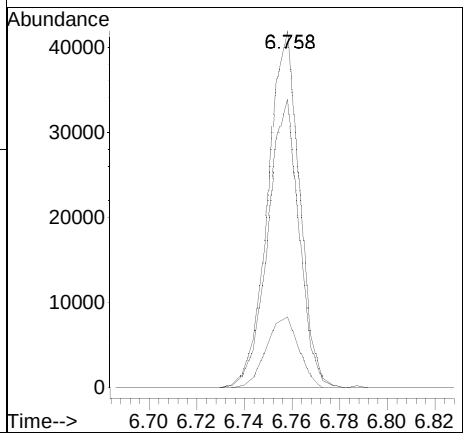


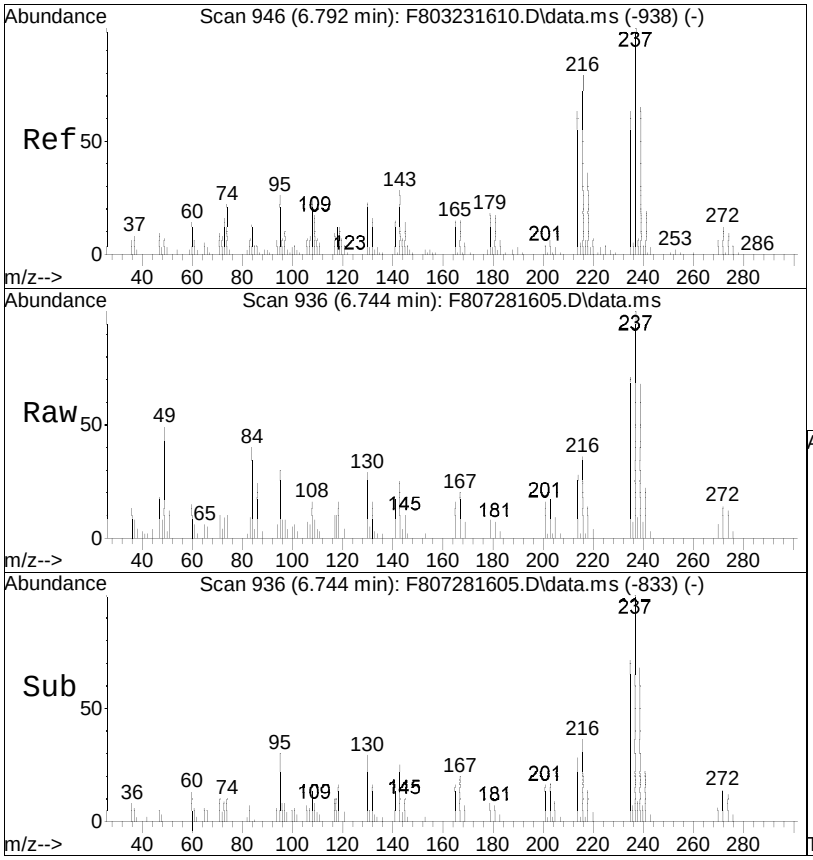


#39
1,2,4,5-Tetrachlorobenzene
Concen: 0.51 ug/mL
RT: 6.758 min Scan# 939
Delta R.T. 0.000 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:216 Resp: 38717

Ion	Ratio	Lower	Upper
216	100		
214	80.0	63.0	94.6
179	20.5	16.2	24.4

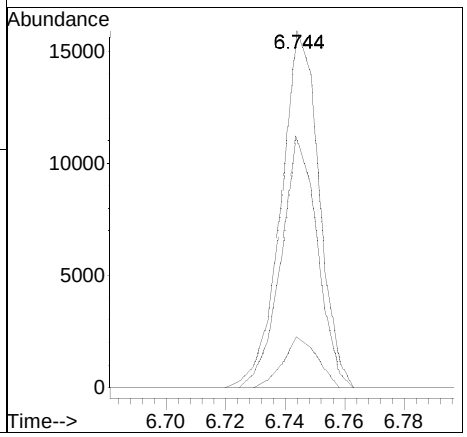


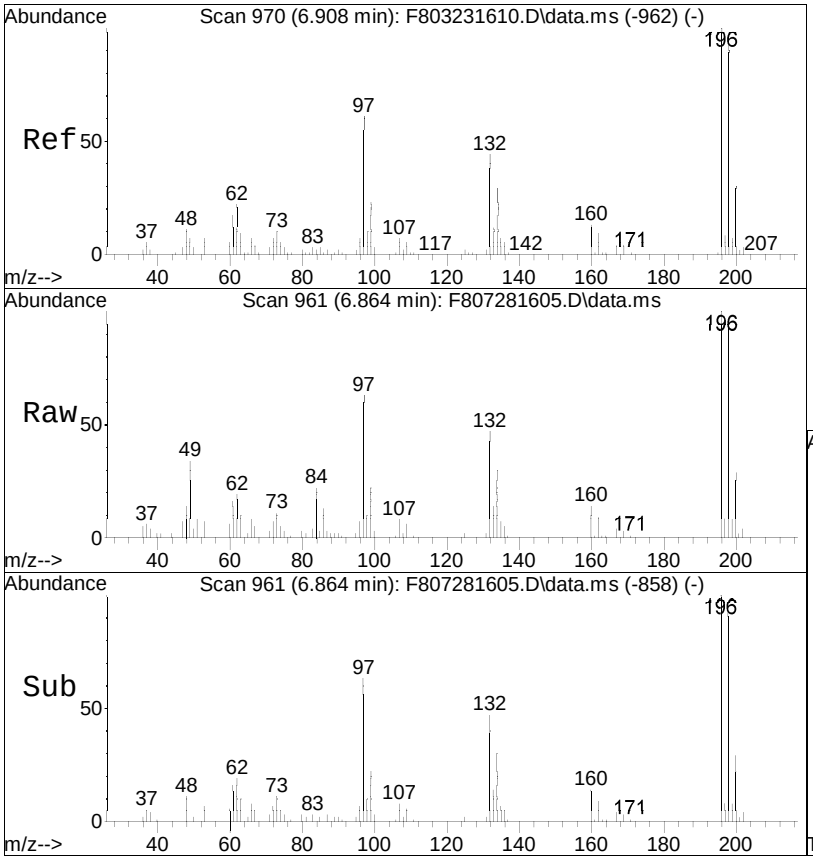


#40
Hexachlorocyclopentadiene
Concen: 0.38 ug/mL
RT: 6.744 min Scan# 936
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:237 Resp: 14116

Ion	Ratio	Lower	Upper
237	100		
235	67.5	53.3	79.9
272	12.9	10.9	16.3

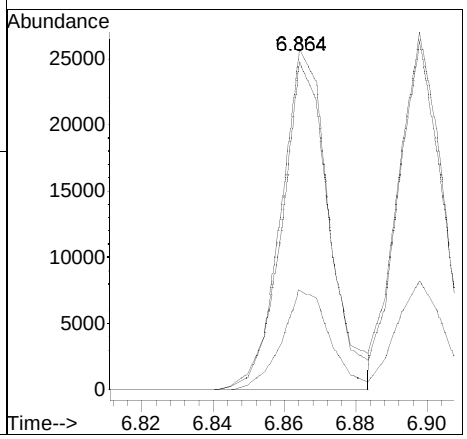


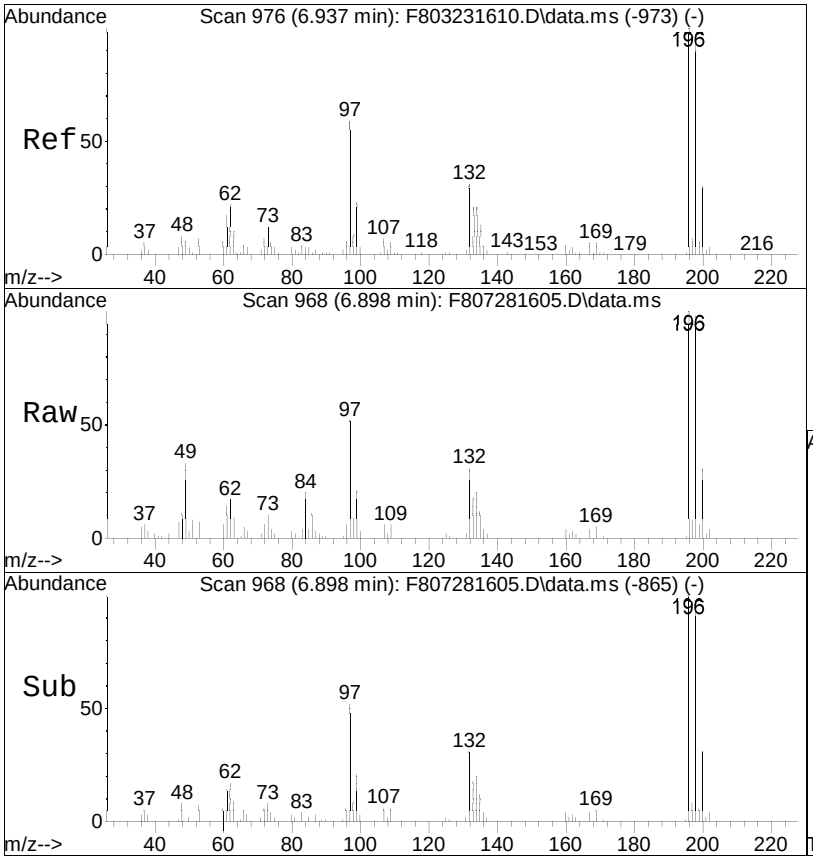


#41
2,4,6-Trichlorophenol
Concen: 0.46 ug/mL M4
RT: 6.864 min Scan# 961
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:196 Resp: 24250

Ion	Ratio	Lower	Upper
196	100		
198	101.1	73.6	110.4
200	32.1	23.5	35.3

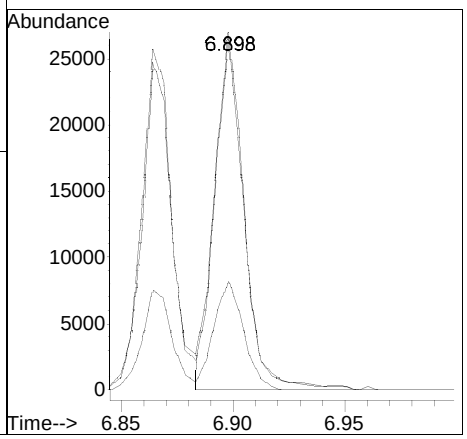


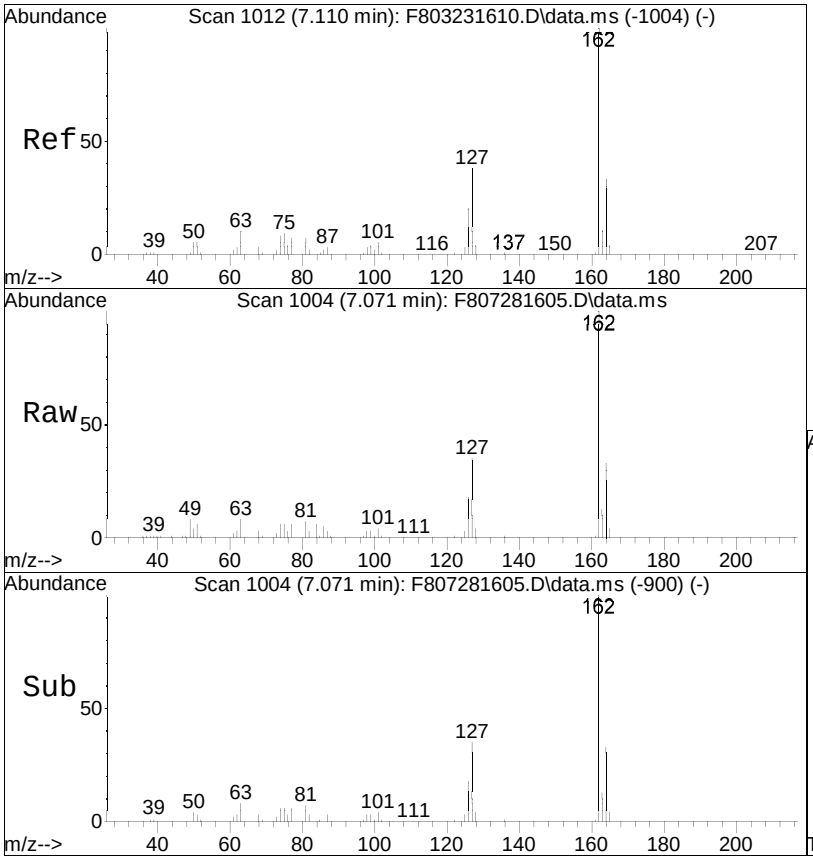


#42
2,4,5-Trichlorophenol
Concen: 0.47 ug/mL M4
RT: 6.898 min Scan# 968
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:196 Resp: 24706

Ion	Ratio	Lower	Upper
196	100		
198	97.7	73.2	109.8
200	31.3	23.9	35.9

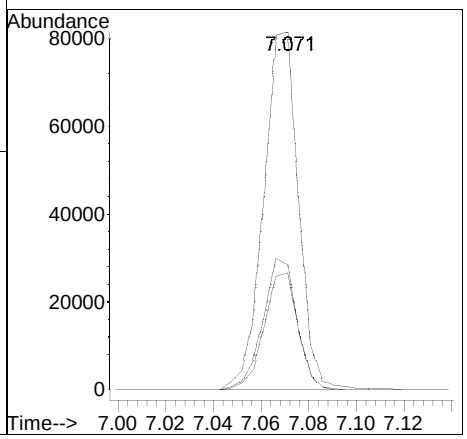


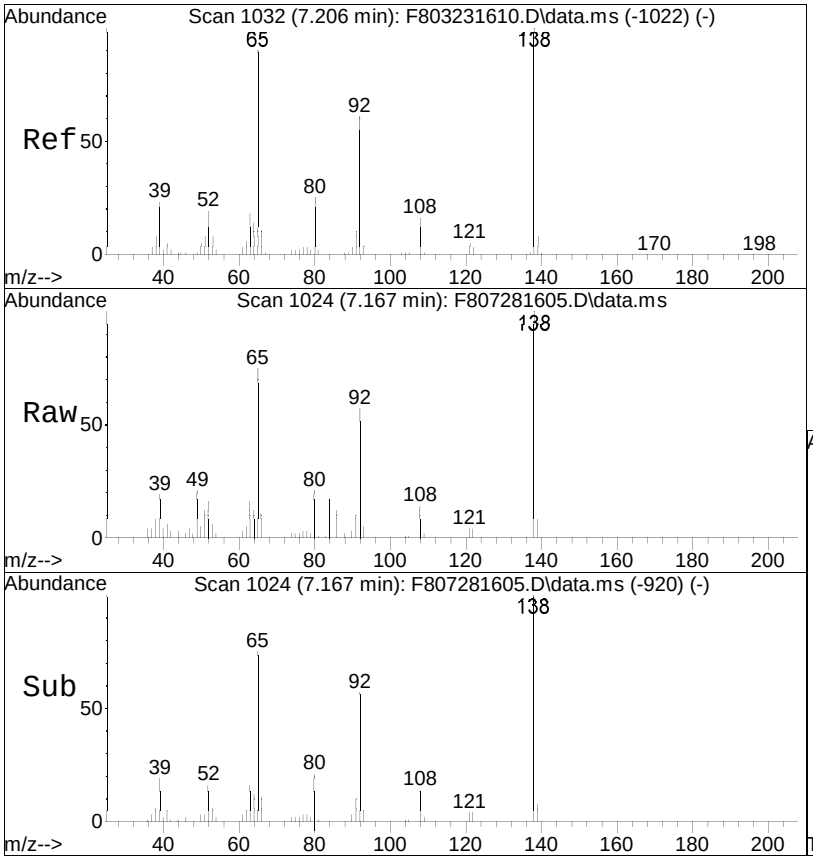


#45
2-Chloronaphthalene
Concen: 0.52 ug/mL
RT: 7.071 min Scan# 1004
Delta R.T. 0.000 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:162 Resp: 81955

Ion	Ratio	Lower	Upper
162	100		
164	32.0	26.4	39.6
127	35.9	30.2	45.2

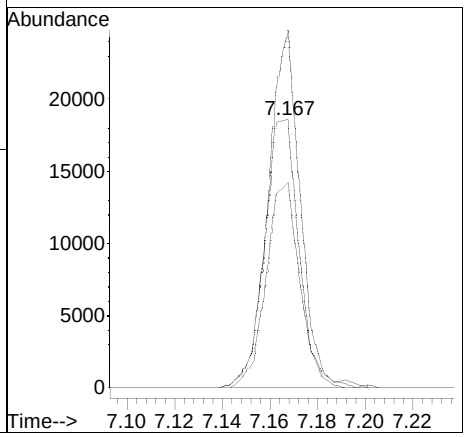


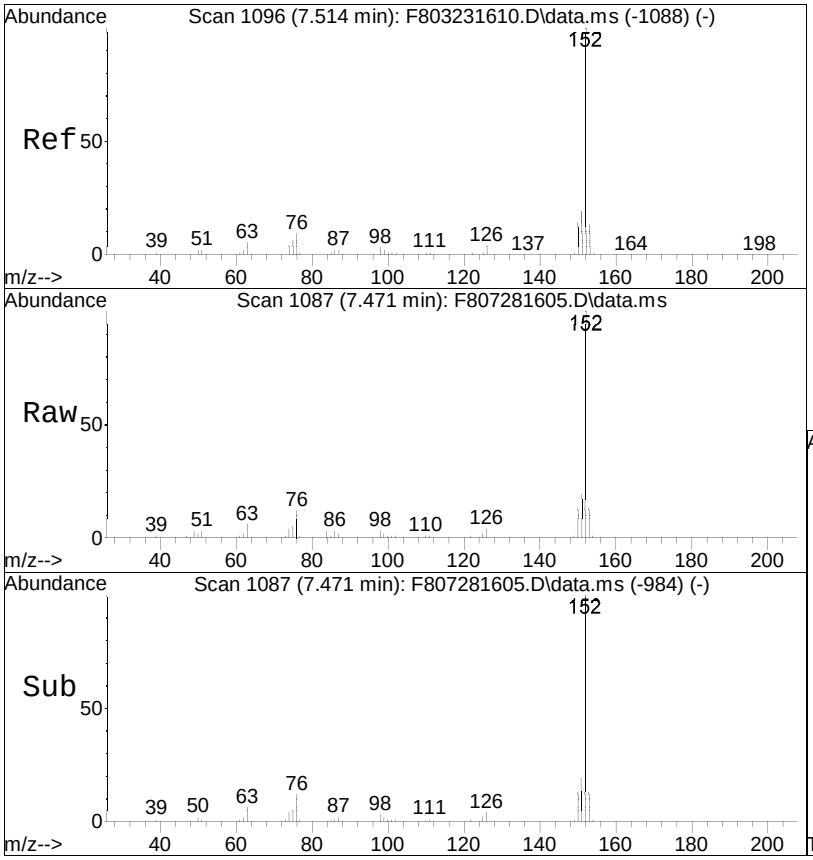


#46
2-Nitroaniline
Concen: 0.43 ug/mL
RT: 7.167 min Scan# 1024
Delta R.T. 0.000 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion: 65 Resp: 18691

Ion	Ratio	Lower	Upper
65	100		
92	73.8	61.0	91.4
138	122.8	122.0	183.0

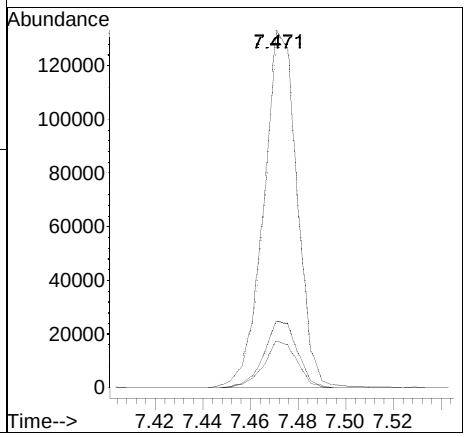


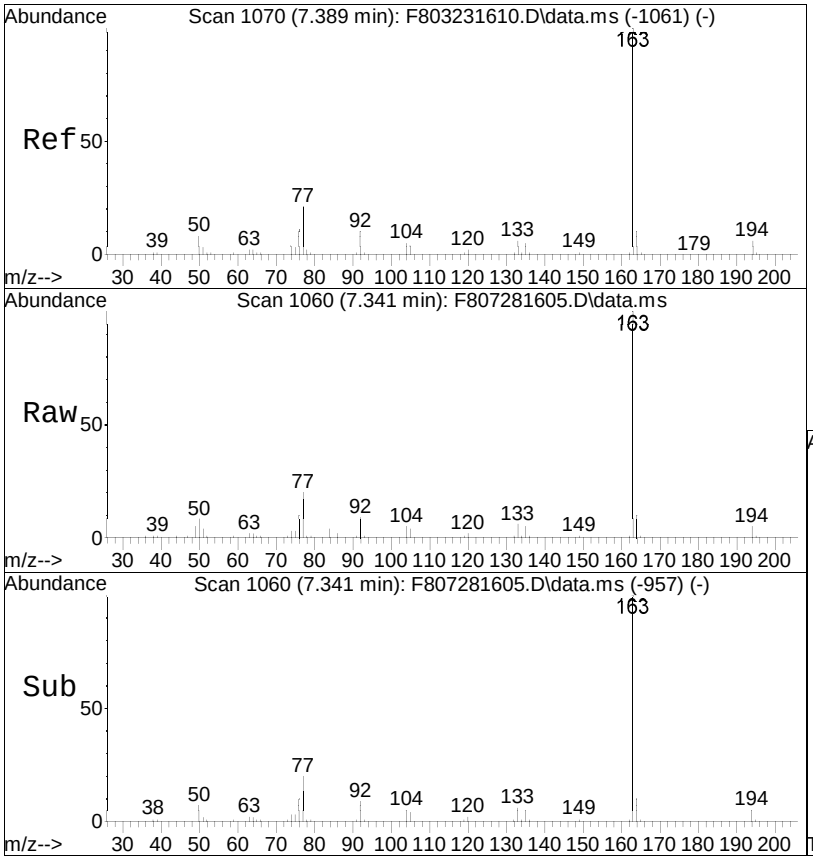


#47
Acenaphthylene
Concen: 0.50 ug/mL
RT: 7.471 min Scan# 1087
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:152 Resp: 128696

Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.8	23.8
153	13.2	10.6	16.0

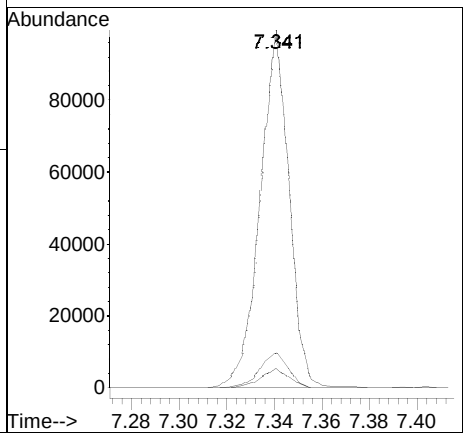


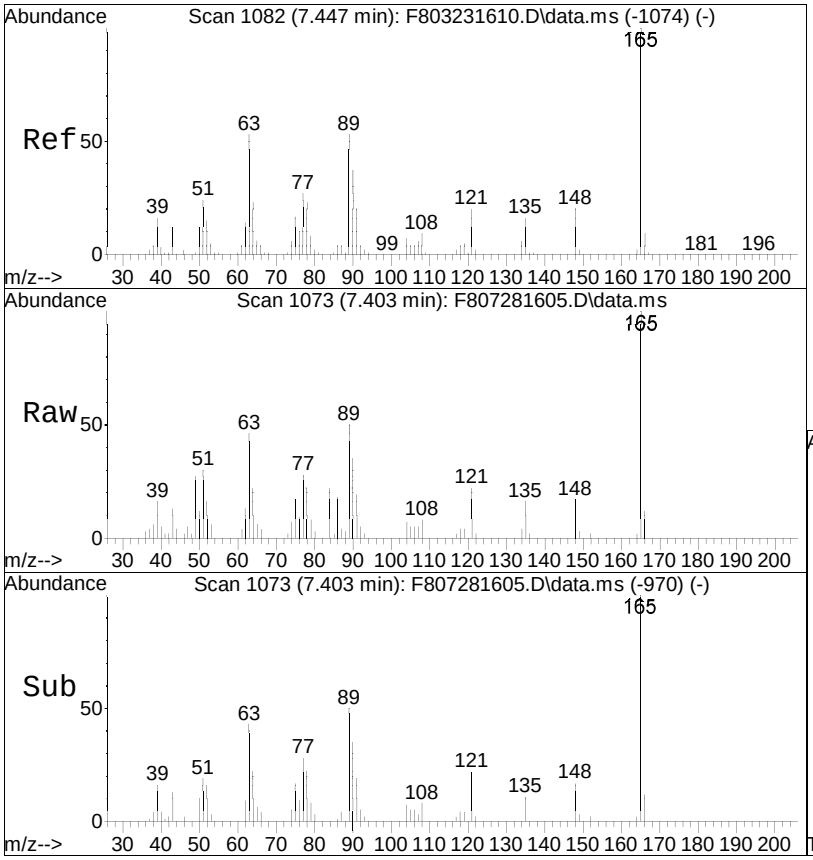


#48
Dimethylphthalate
Concen: 0.48 ug/mL
RT: 7.341 min Scan# 1060
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:163 Resp: 83075

Ion	Ratio	Lower	Upper
163	100		
194	5.3	4.4	6.6
164	9.8	8.3	12.5

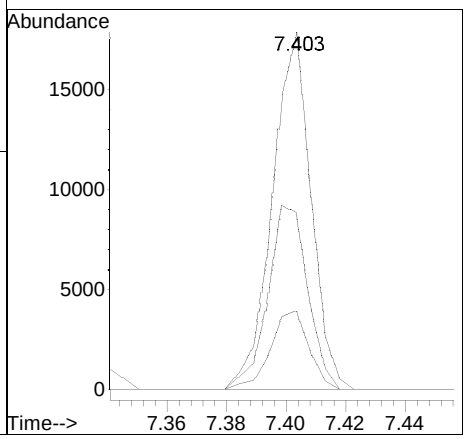


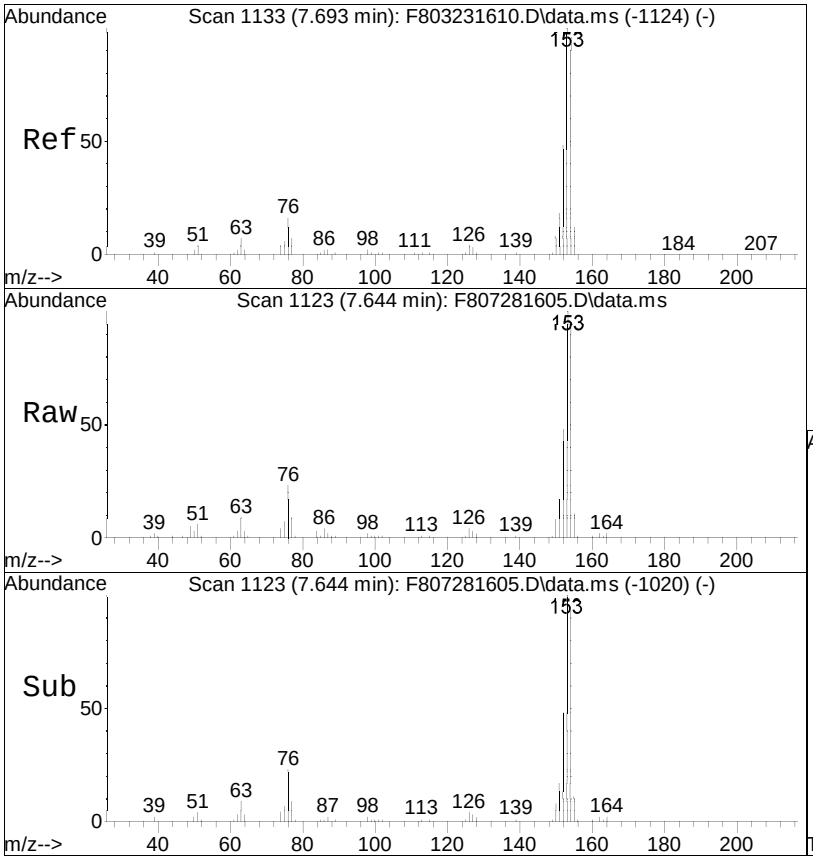


#49
2,6-Dinitrotoluene
Concen: 0.40 ug/mL
RT: 7.403 min Scan# 1073
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:165 Resp: 15995

Ion	Ratio	Lower	Upper
165	100		
89	53.4	40.5	60.7
121	22.1	16.6	25.0

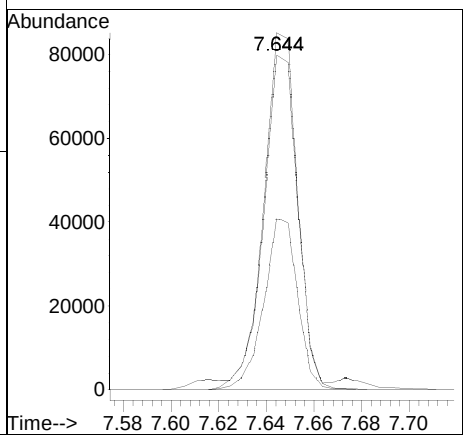


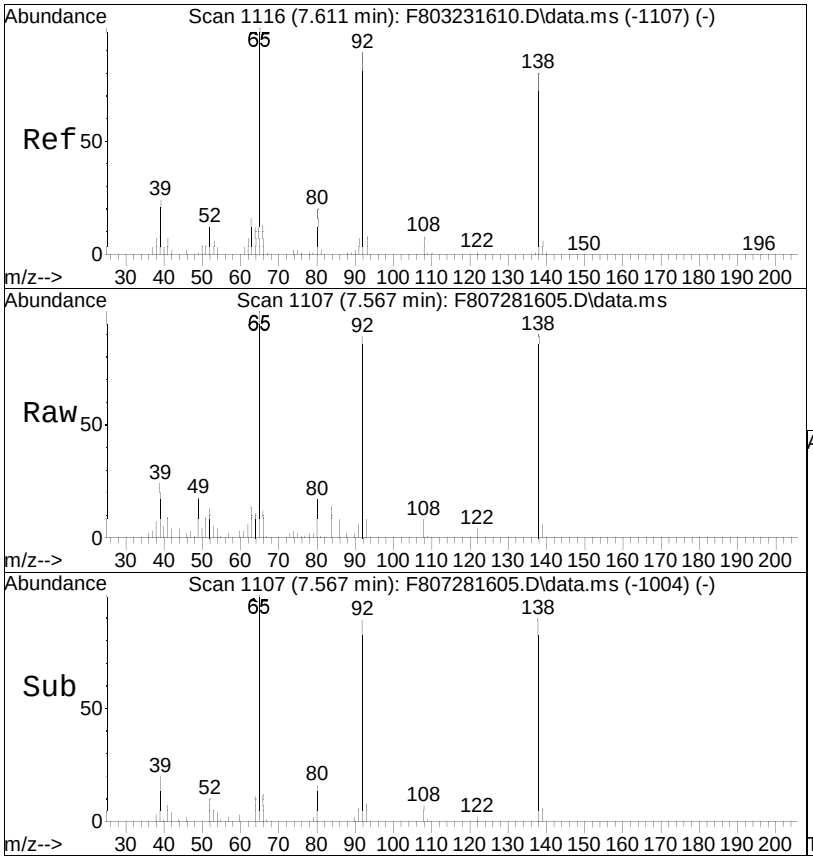


#50
Acenaphthene
Concen: 0.53 ug/mL
RT: 7.644 min Scan# 1123
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:153 Resp: 84559

Ion	Ratio	Lower	Upper
153	100		
154	91.5	75.4	113.0
152	48.0	39.3	58.9

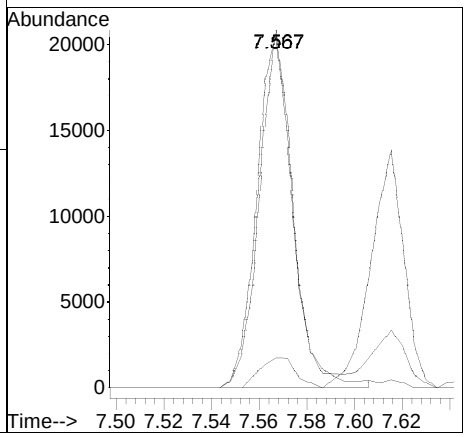


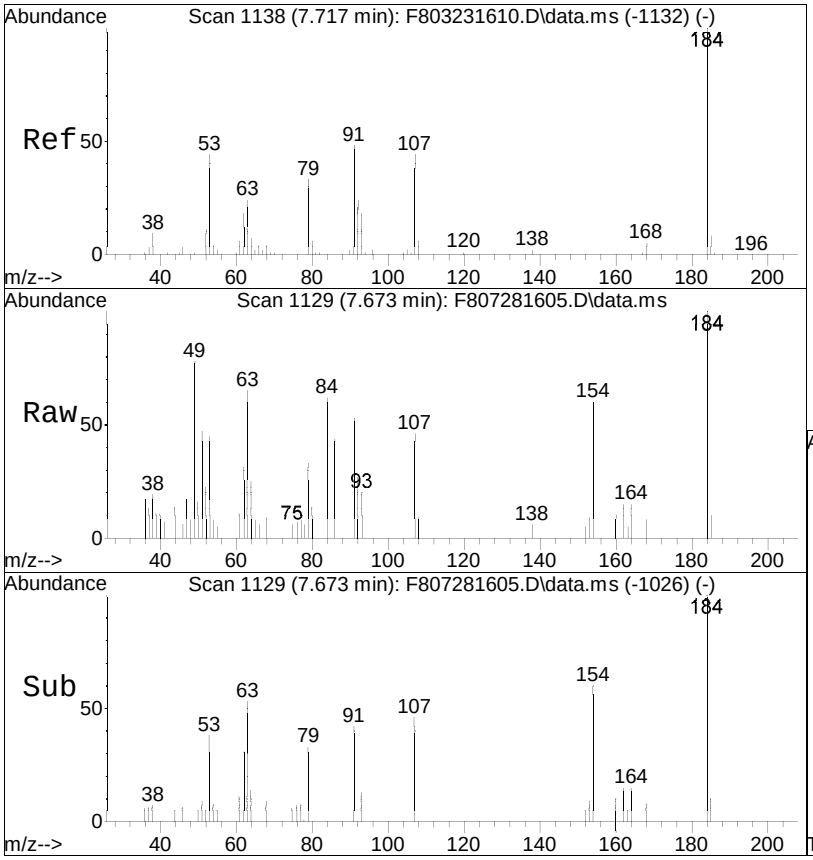


#51
3-Nitroaniline
Concen: 0.44 ug/mL
RT: 7.567 min Scan# 1107
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:138 Resp: 20515

Ion	Ratio	Lower	Upper
138	100		
108	9.7	8.9	13.3
92	102.6	72.2	108.4

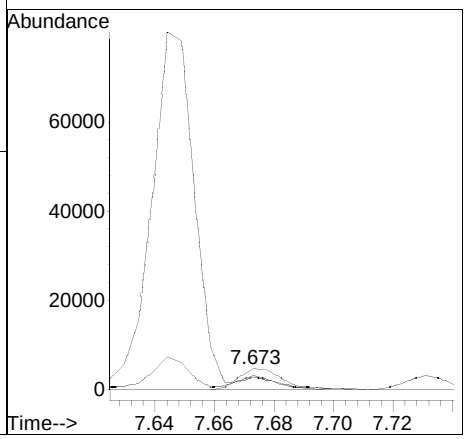


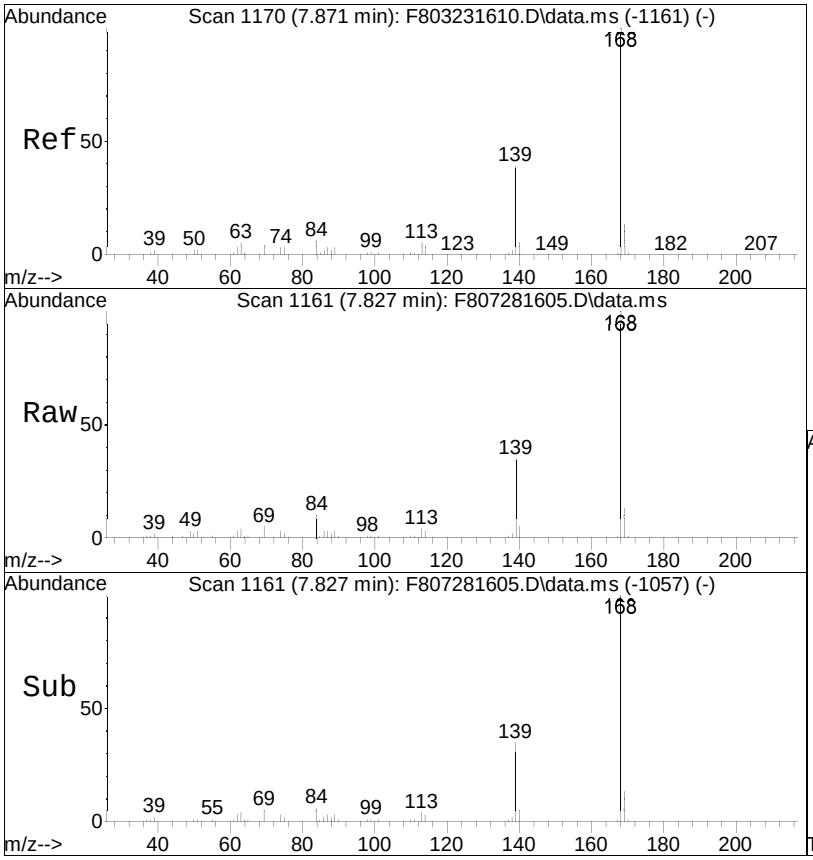


#52
2,4-Dinitrophenol
Concen: 0.54 ug/mL
RT: 7.673 min Scan# 1129
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:184 Resp: 5022

Ion	Ratio	Lower	Upper
184	100		
63	0.0	43.8	65.6#
154	0.0	37.1	55.7#

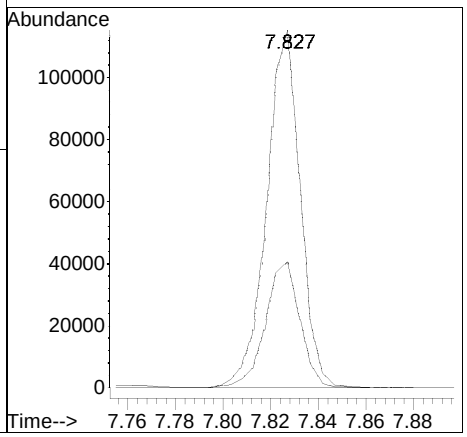


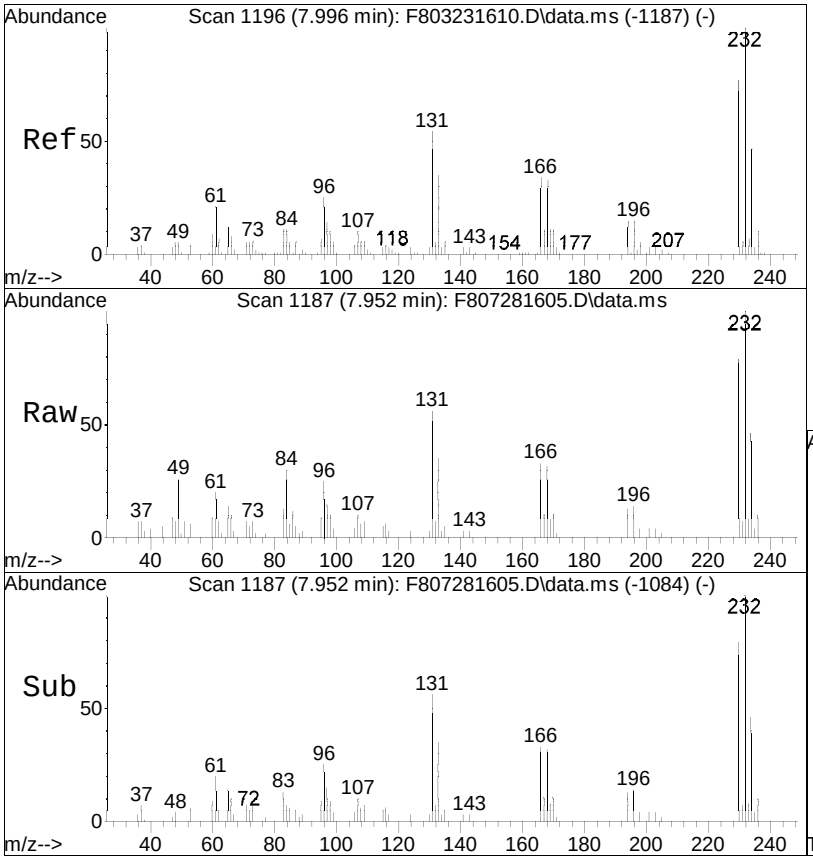


#53
Dibenzofuran
Concen: 0.53 ug/mL
RT: 7.827 min Scan# 1161
Delta R.T. 0.000 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:168 Resp: 112031

Ion	Ratio	Lower	Upper
168	100		
139	35.9	28.8	43.2

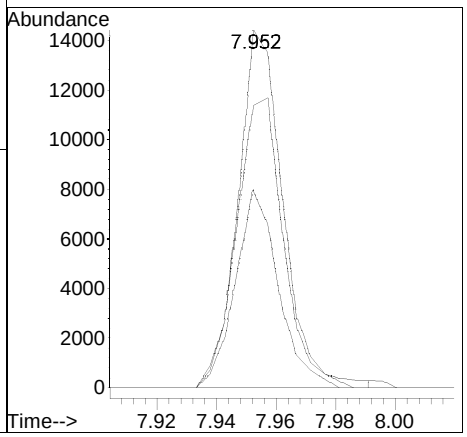


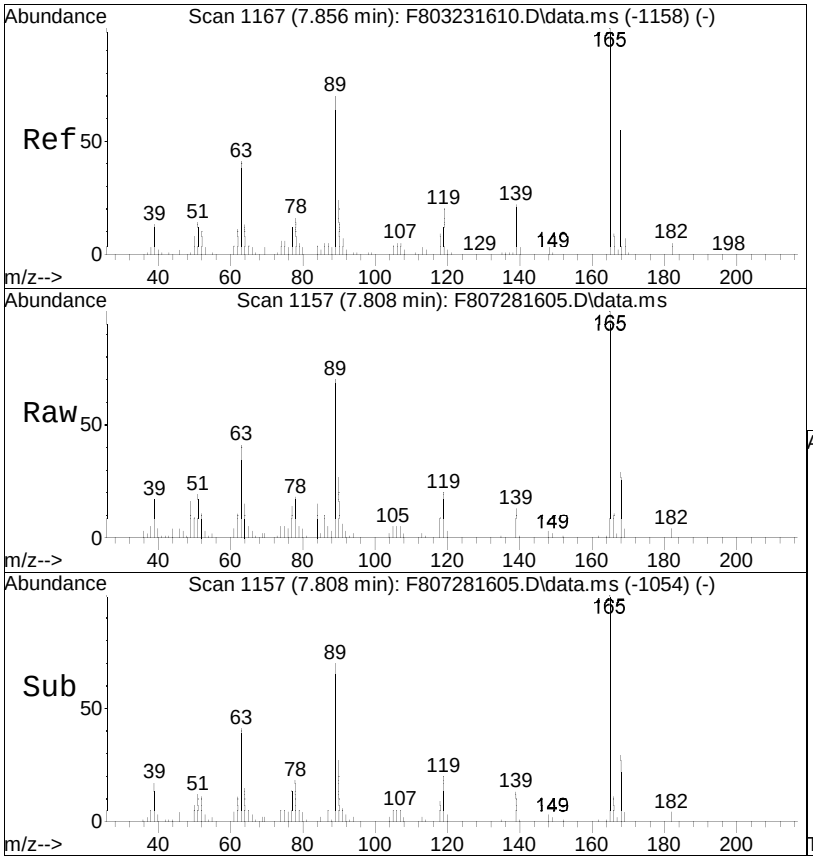


#54
2,3,4,6-Tetrachlorophenol
Concen: 0.41 ug/mL
RT: 7.952 min Scan# 1187
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:232 Resp: 15159

Ion	Ratio	Lower	Upper
232	100		
131	52.8	43.1	64.7
230	83.9	63.0	94.6

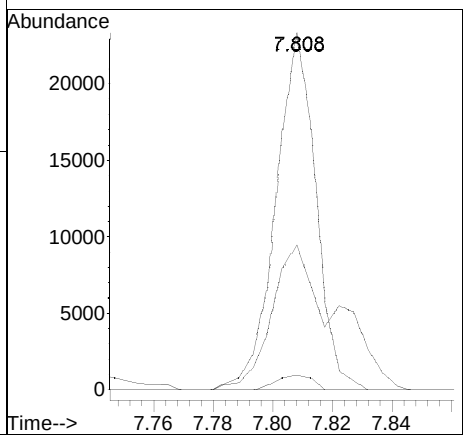


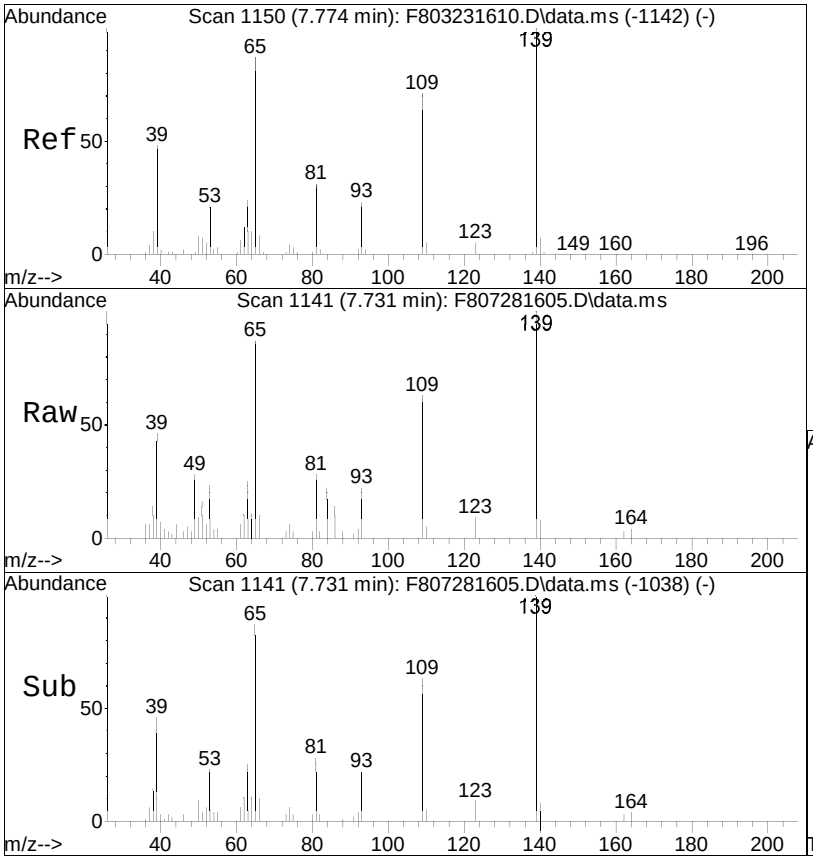


#55
2,4-Dinitrotoluene
Concen: 0.42 ug/mL
RT: 7.808 min Scan# 1157
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:165 Resp: 21676

Ion	Ratio	Lower	Upper
165	100		
63	65.3	30.9	46.3#
182	0.0	3.5	5.3#

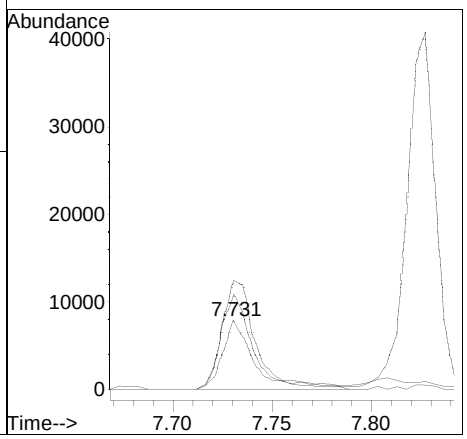


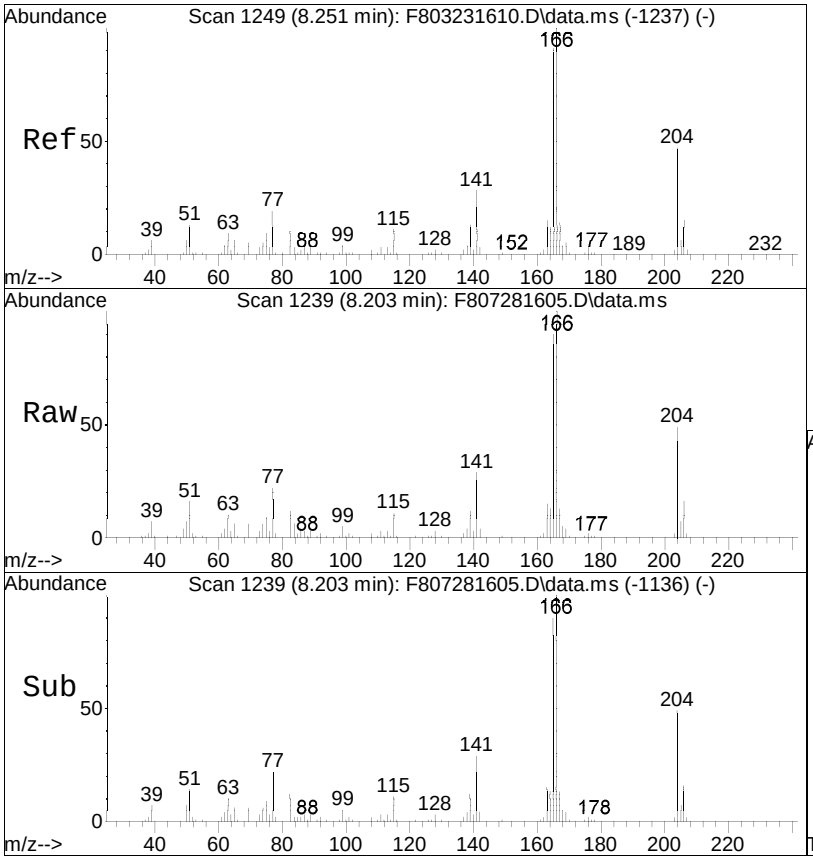


#56
4-Nitrophenol
Concen: 0.38 ug/mL
RT: 7.731 min Scan# 1141
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:109 Resp: 8584

Ion	Ratio	Lower	Upper
109	100		
139	169.9	149.7	224.5
65	146.6	107.3	160.9

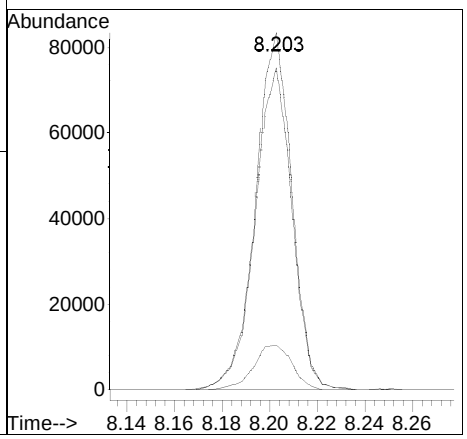


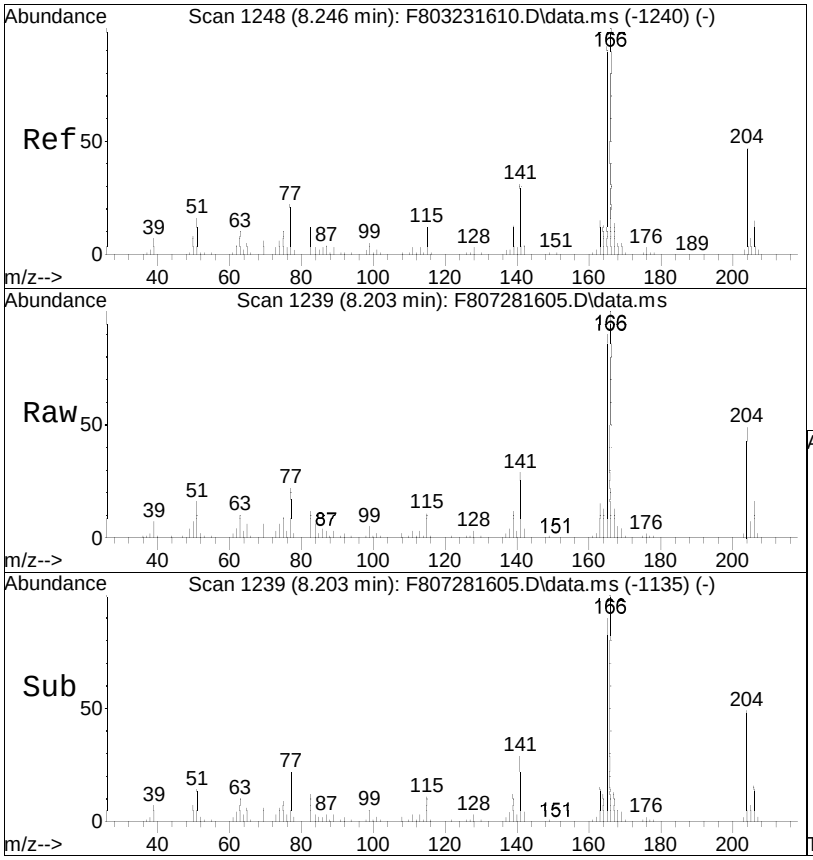


#57
Fluorene
Concen: 0.52 ug/mL
RT: 8.203 min Scan# 1239
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:166 Resp: 88312

Ion	Ratio	Lower	Upper
166	100		
165	91.4	72.9	109.3
167	13.3	10.9	16.3

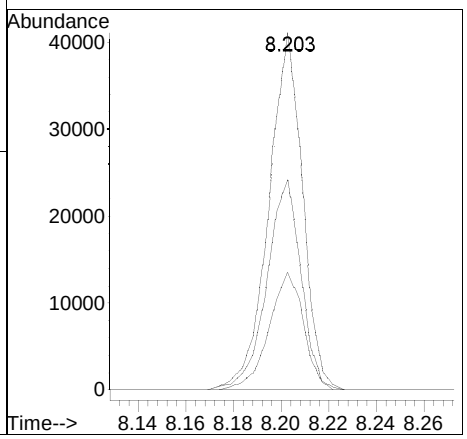


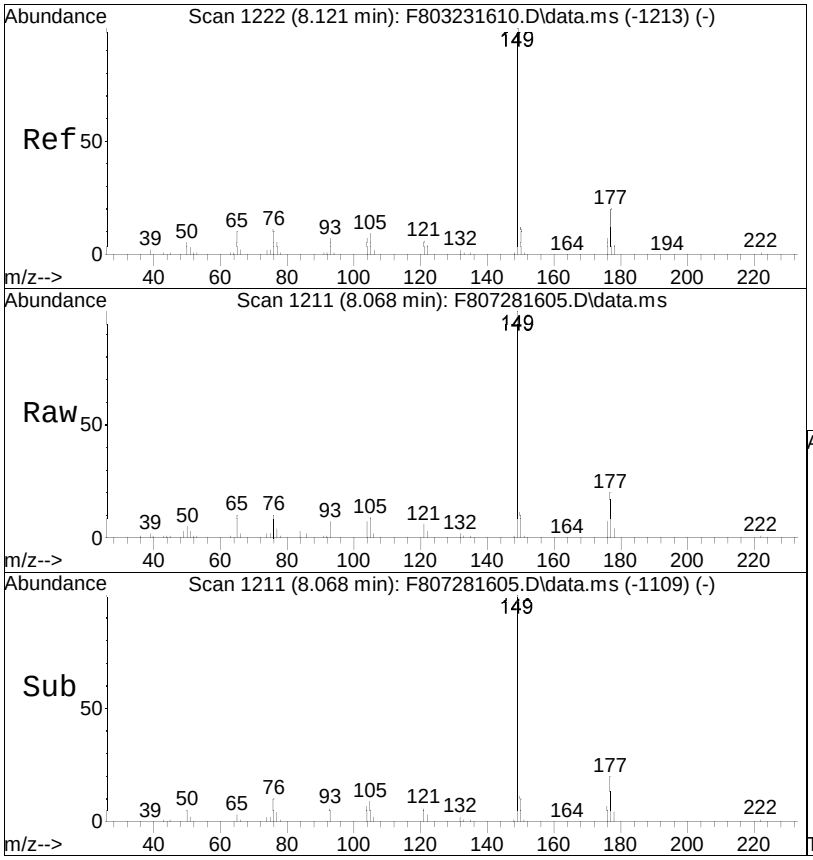


#58
4-Chlorophenyl-phenylether
Concen: 0.53 ug/mL
RT: 8.203 min Scan# 1239
Delta R.T. -0.000 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:204 Resp: 40369

Ion	Ratio	Lower	Upper
204	100		
206	33.7	25.9	38.9
141	59.9	46.2	69.4

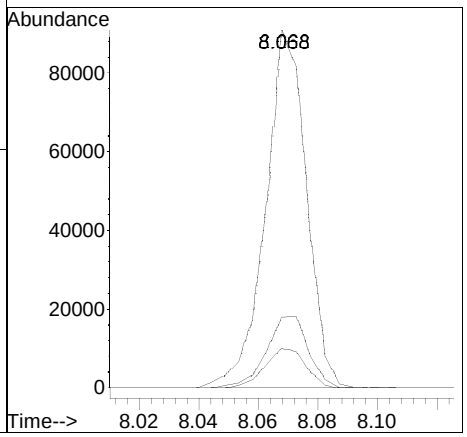


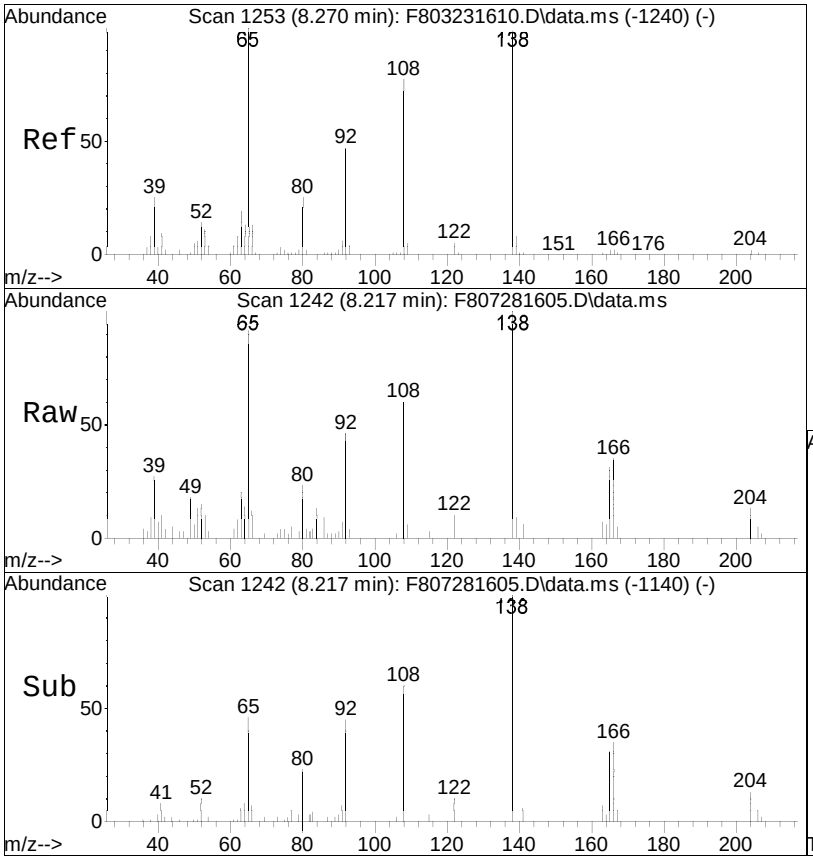


#59
Diethylphthalate
Concen: 0.48 ug/mL
RT: 8.068 min Scan# 1211
Delta R.T. -0.010 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:149 Resp: 85725

Ion	Ratio	Lower	Upper
149	100		
177	20.9	16.6	24.8
150	11.3	9.8	14.6

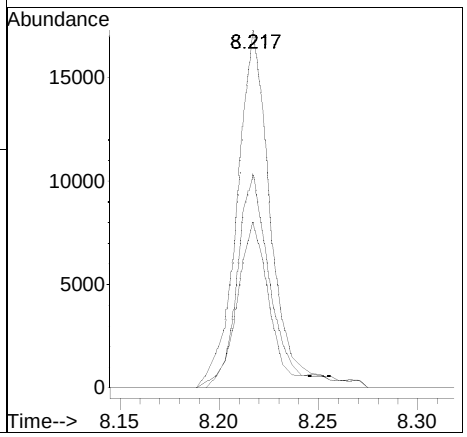


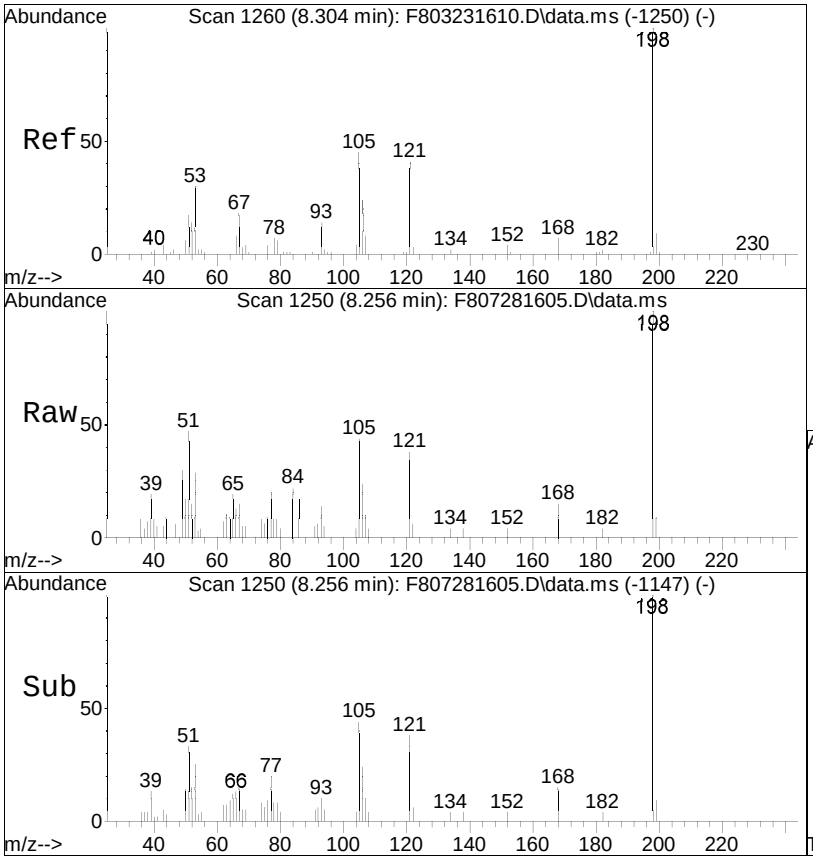


#60
4-Nitroaniline
Concen: 0.44 ug/mL
RT: 8.217 min Scan# 1242
Delta R.T. -0.010 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:138 Resp: 20609

Ion	Ratio	Lower	Upper
138	100		
92	44.6	32.7	49.1
108	59.8	45.8	68.6

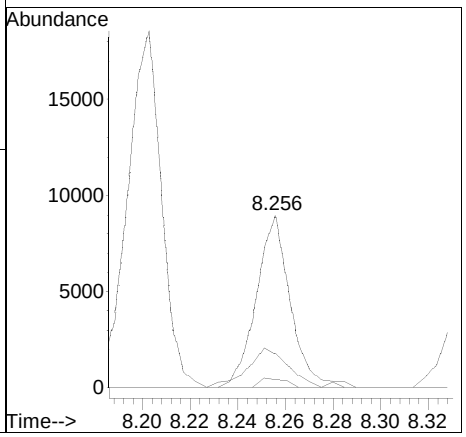


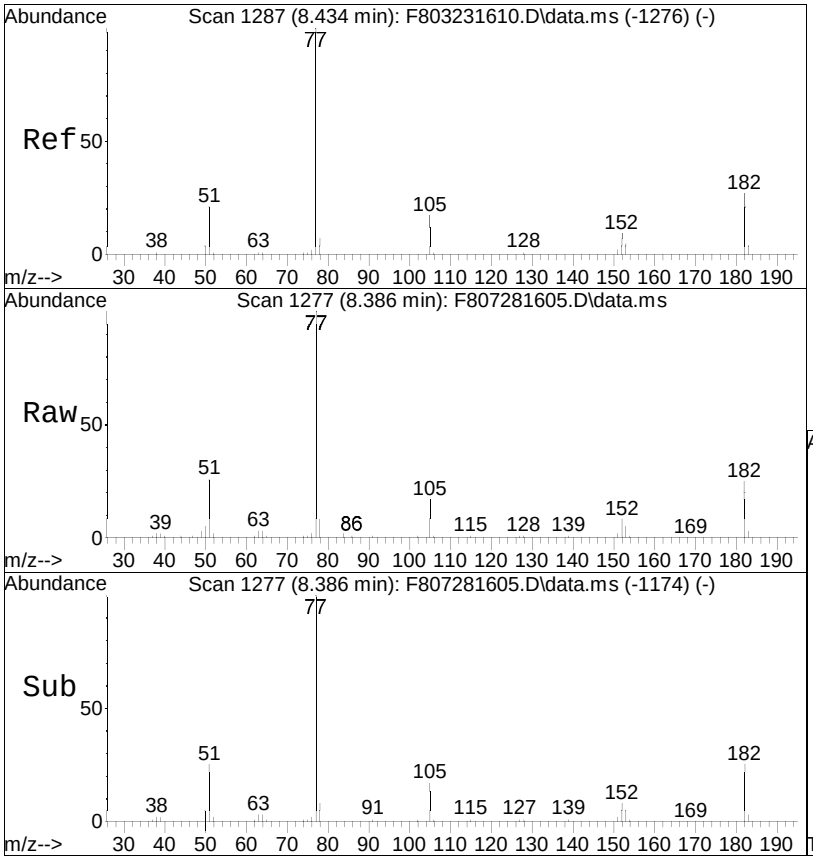


#62
4,6-Dinitro-2-methylphenol
Concen: 0.27 ug/mL
RT: 8.256 min Scan# 1250
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:198 Resp: 8934

Ion	Ratio	Lower	Upper
198	100		
182	0.0	2.2	3.2#
77	28.1	16.8	25.2#

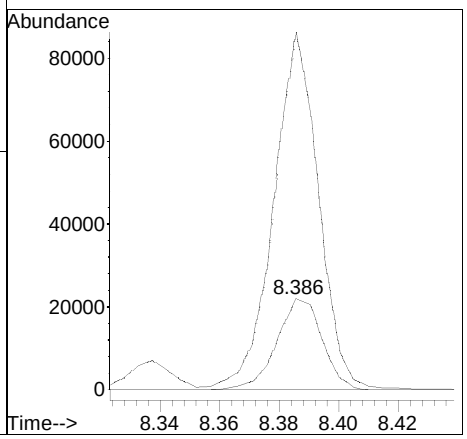


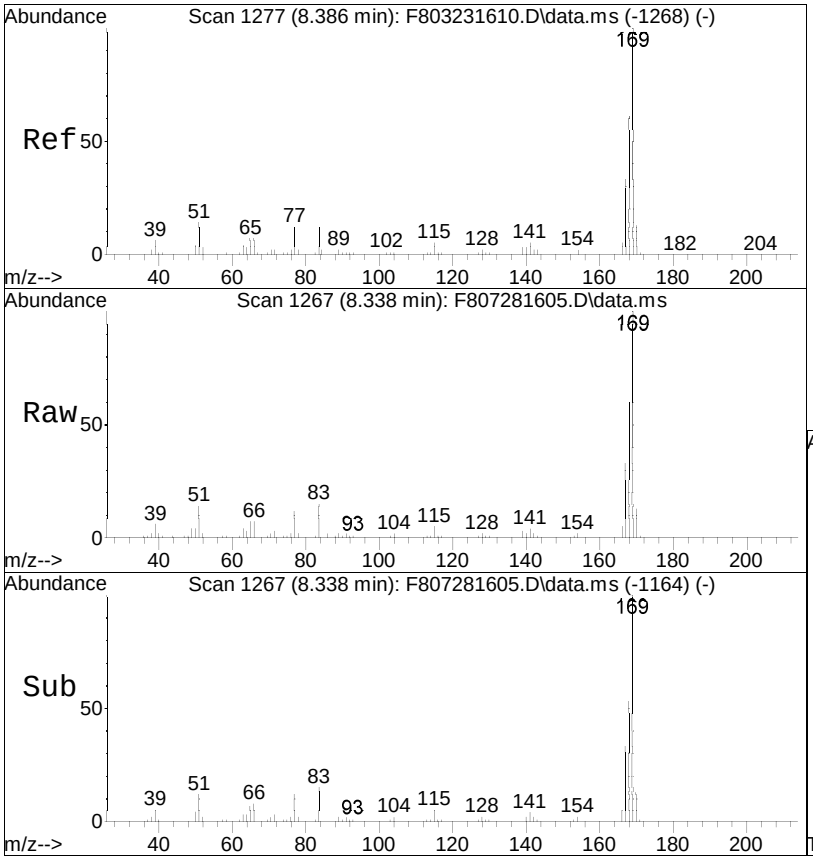


#63
Azobenzene
Concen: 0.50 ug/mL
RT: 8.386 min Scan# 1277
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:182 Resp: 23220

Ion	Ratio	Lower	Upper
182	100		
77	380.7	54.9	631.7

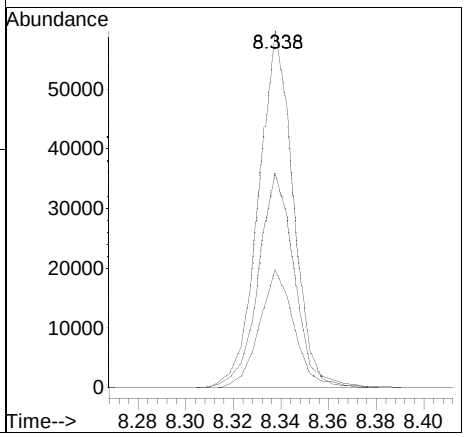


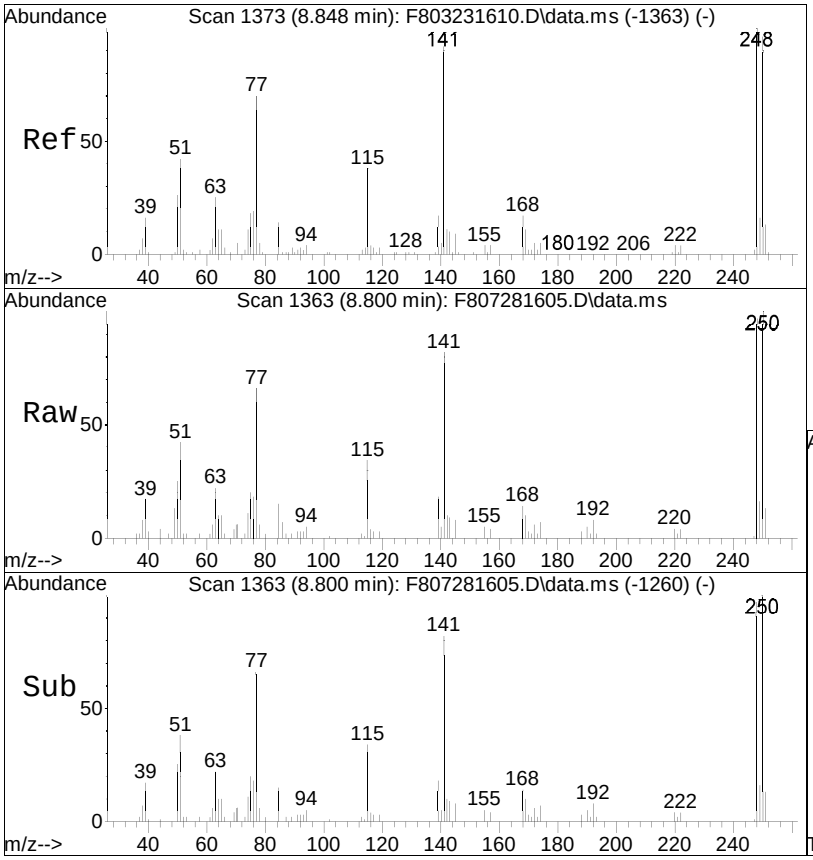


#64
n-Nitrosodiphenylamine
Concen: 0.51 ug/mL
RT: 8.338 min Scan# 1267
Delta R.T. -0.004 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:169 Resp: 60235

Ion	Ratio	Lower	Upper
169	100		
168	63.0	49.4	74.2
167	33.7	26.7	40.1

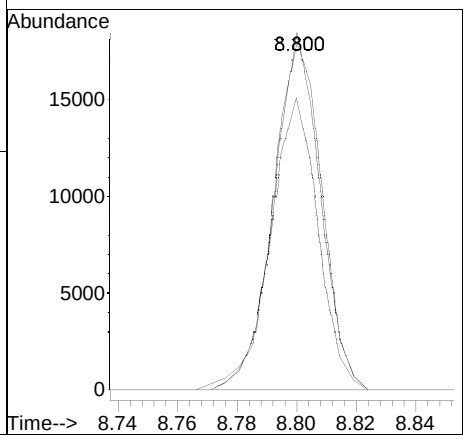


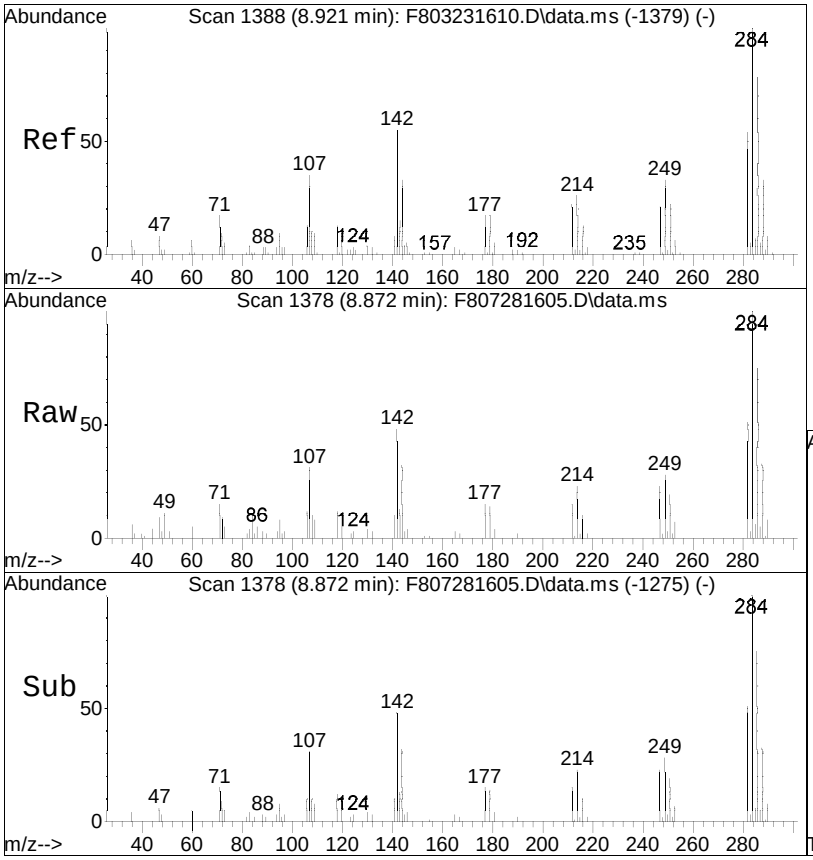


#66
4-Bromophenyl-phenylether
Concen: 0.49 ug/mL
RT: 8.800 min Scan# 1363
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:248 Resp: 20456

Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.3	115.9
141	81.7	61.7	92.5

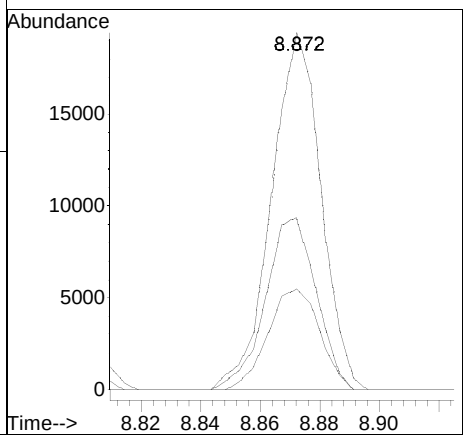


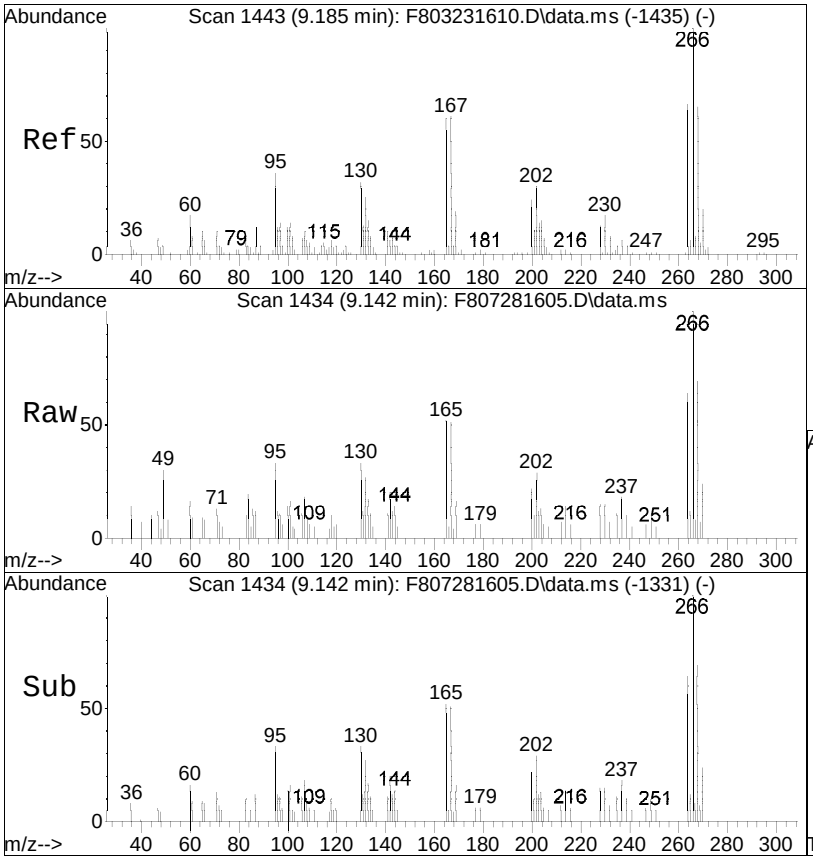


#67
Hexachlorobenzene
Concen: 0.53 ug/mL
RT: 8.872 min Scan# 1378
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:284 Resp: 22398

Ion	Ratio	Lower	Upper
284	100		
142	49.6	37.8	56.6
249	29.7	24.8	37.2

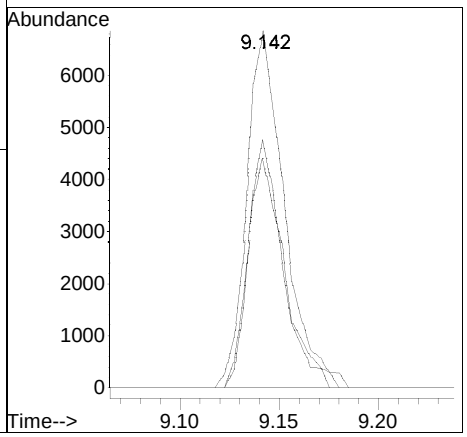


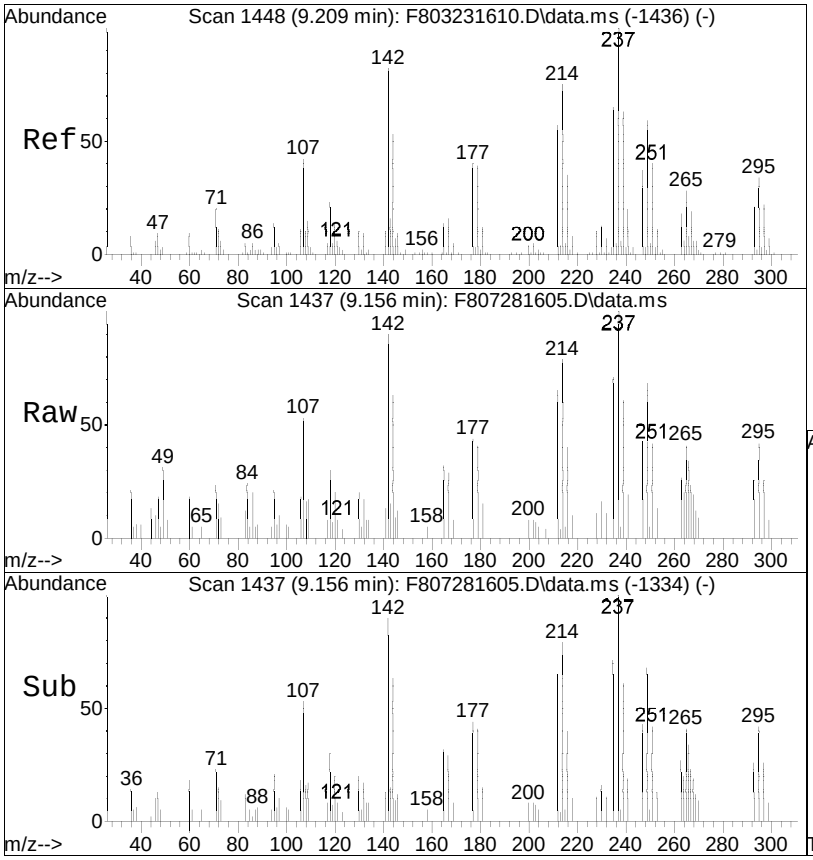


#69
Pentachlorophenol
Concen: 0.29 ug/mL
RT: 9.142 min Scan# 1434
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:266 Resp: 9041

Ion	Ratio	Lower	Upper
266	100		
264	63.3	49.7	74.5
268	63.2	48.1	72.1

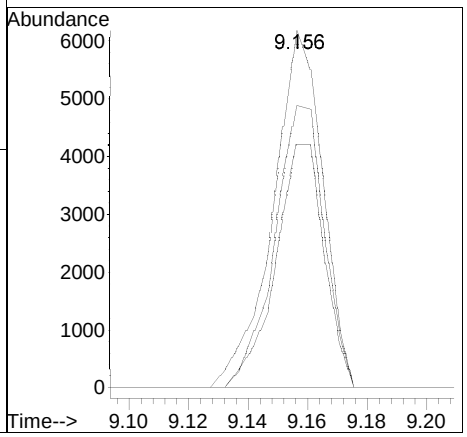


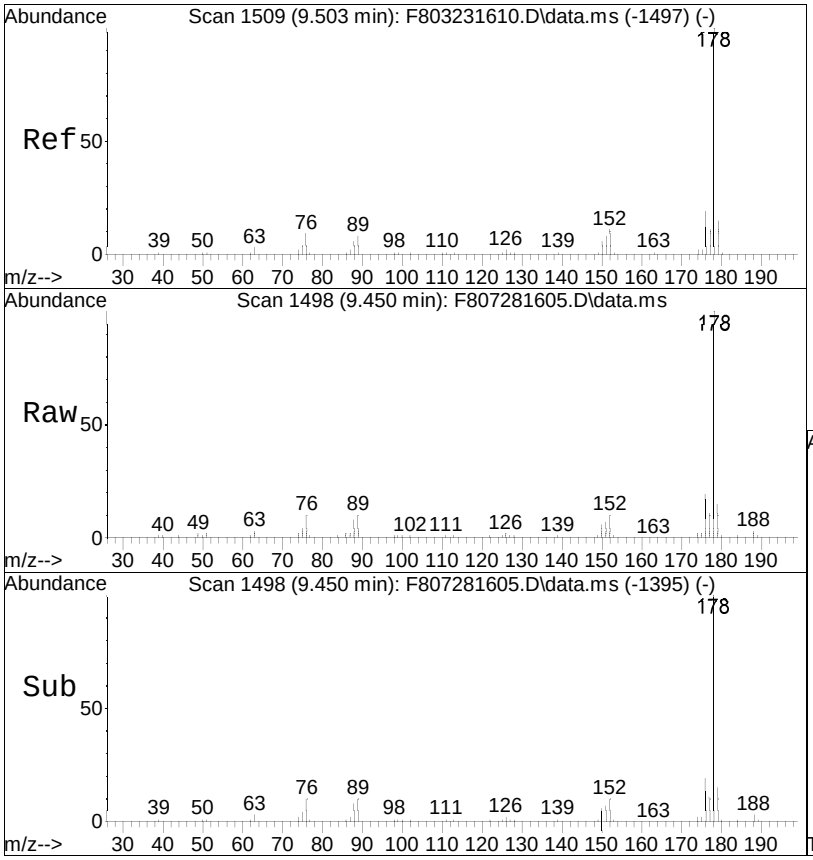


#70
Pentachloronitrobenzene
Concen: 0.39 ug/ml
RT: 9.156 min Scan# 1437
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:237 Resp: 7185

Ion	Ratio	Lower	Upper
237	100		
214	78.7	63.4	95.2
249	66.8	54.9	82.3

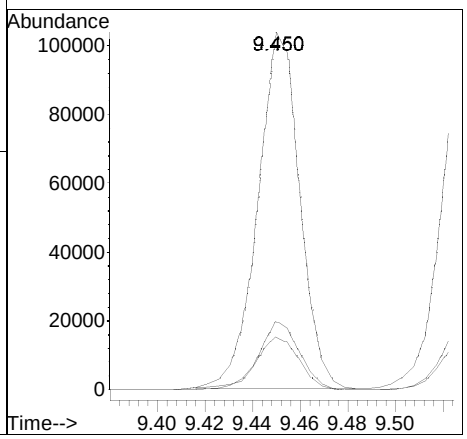


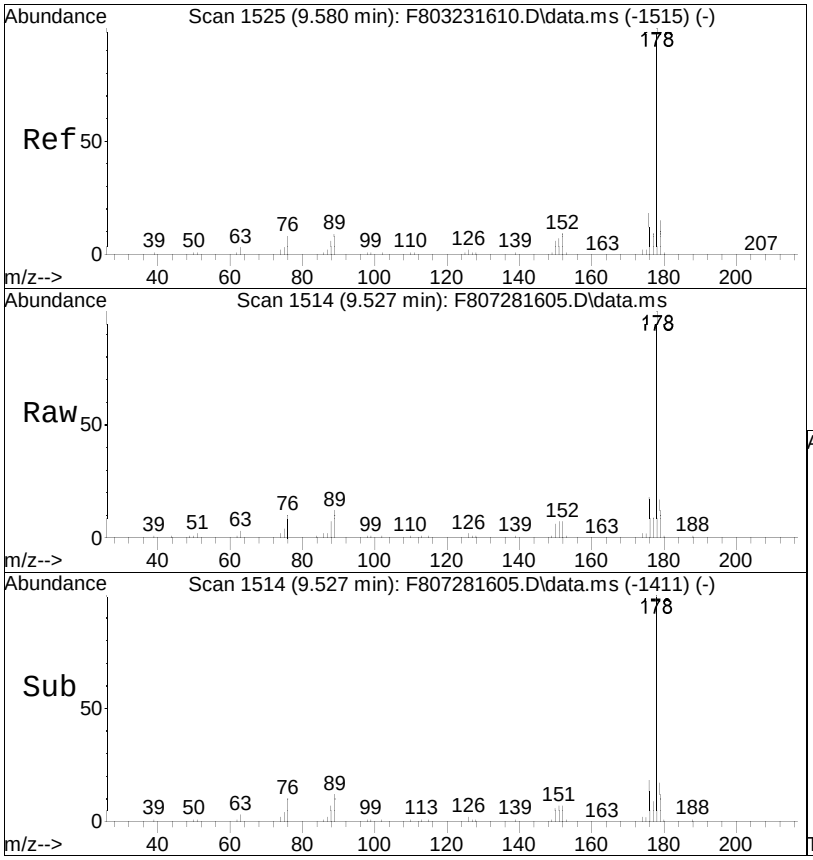


#71
Phenanthrene
Concen: 0.51 ug/mL
RT: 9.450 min Scan# 1498
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:178 Resp: 125949

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.4	18.6
176	18.9	15.0	22.6

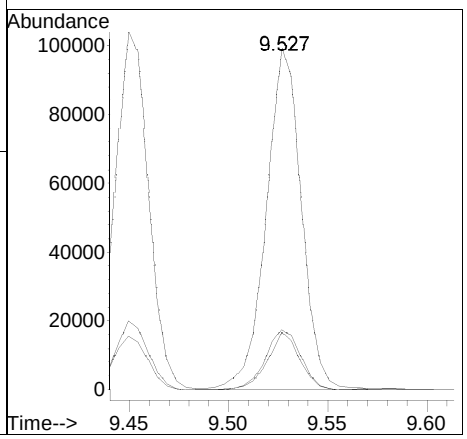


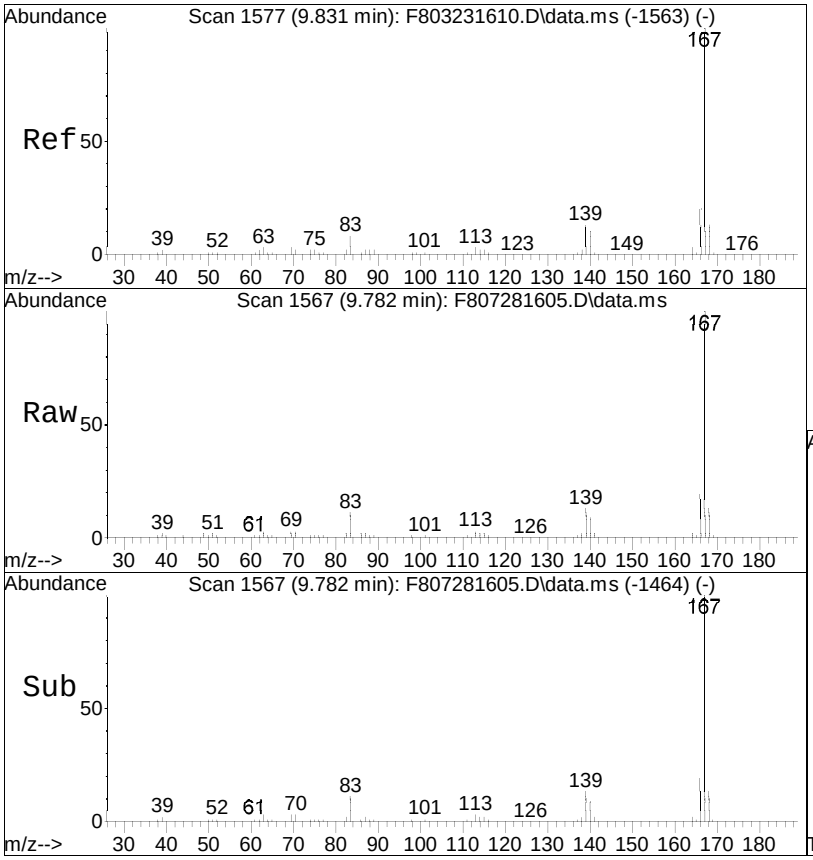


#72
Anthracene
Concen: 0.50 ug/mL M4
RT: 9.527 min Scan# 1514
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:178 Resp: 122201

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.6	18.8
176	17.8	14.6	22.0

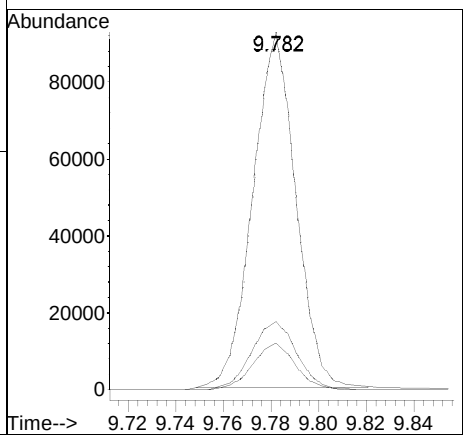


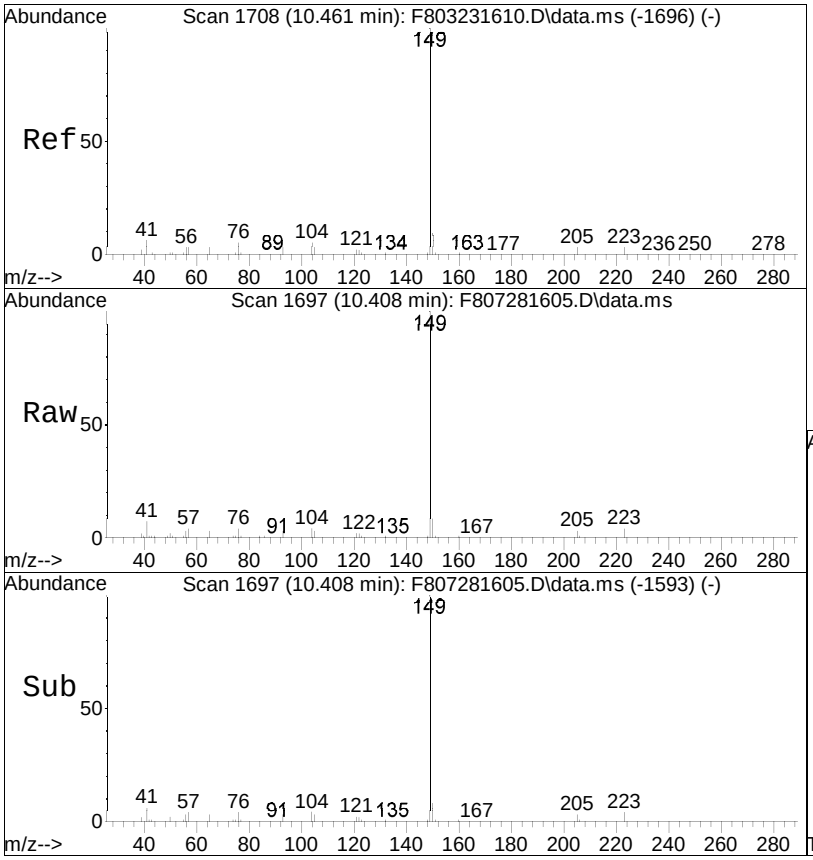


#73
Carbazole
Concen: 0.50 ug/mL
RT: 9.782 min Scan# 1567
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:167 Resp: 114433

Ion	Ratio	Lower	Upper
167	100		
139	13.1	10.3	15.5
166	20.3	15.9	23.9

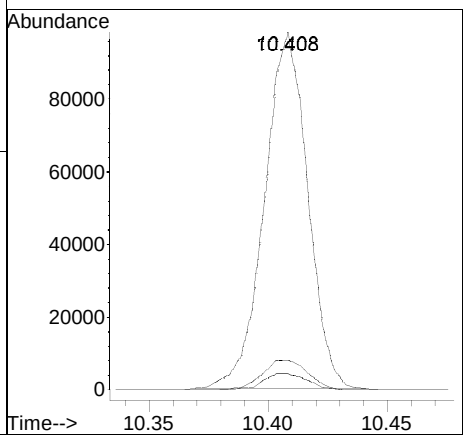


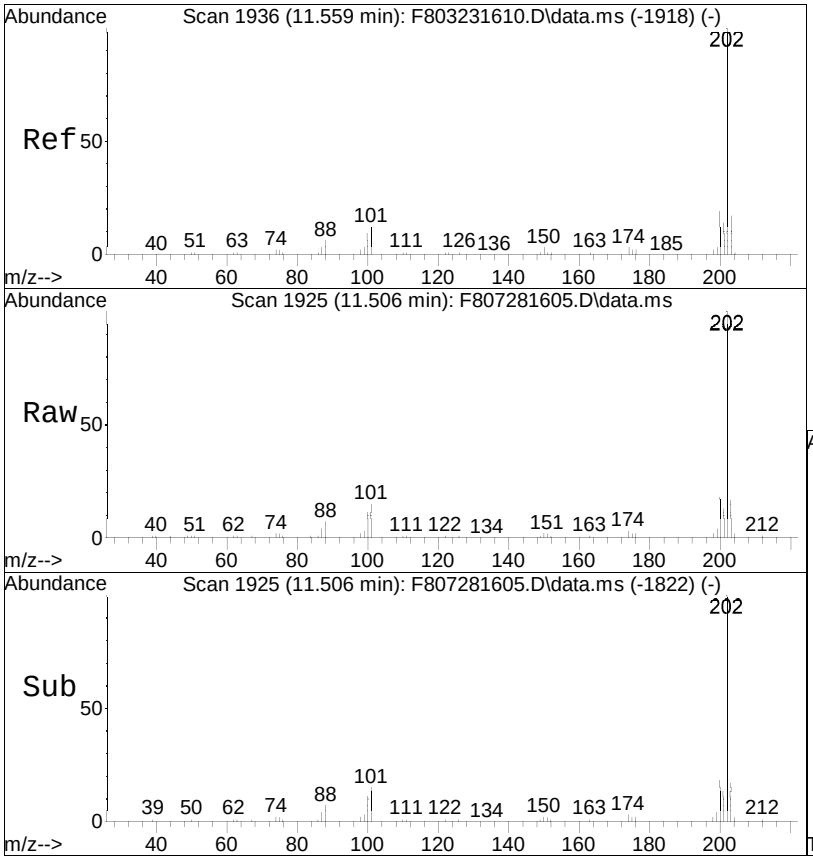


#74
Di-n-butylphthalate
Concen: 0.43 ug/mL
RT: 10.408 min Scan# 1697
Delta R.T. 0.000 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:149 Resp: 122618

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.4	11.2
104	4.7	3.5	5.3

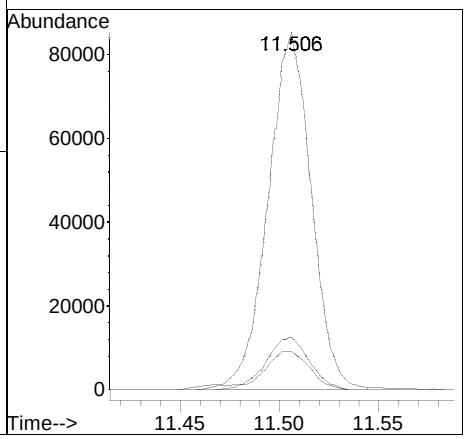


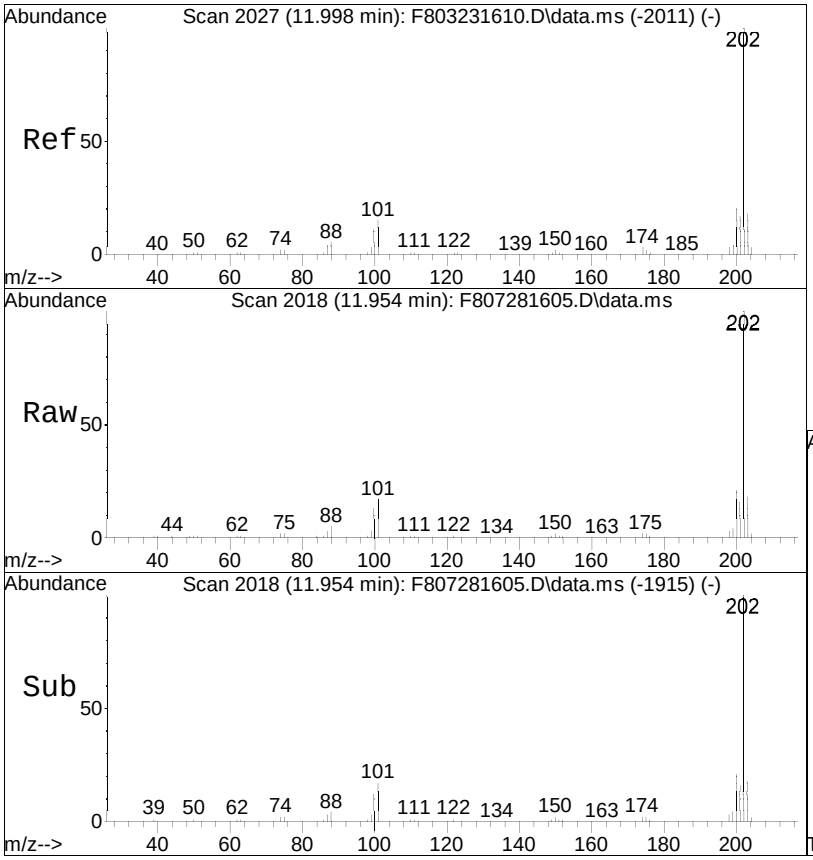


#75
Fluoranthene
Concen: 0.49 ug/mL
RT: 11.506 min Scan# 1925
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:202 Resp: 127780

Ion	Ratio	Lower	Upper
202	100		
101	14.9	13.4	20.2
100	12.2	9.4	14.2

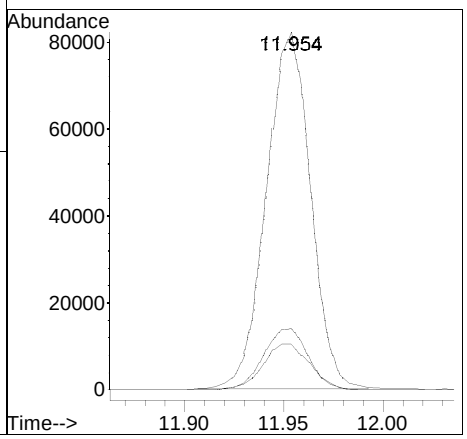


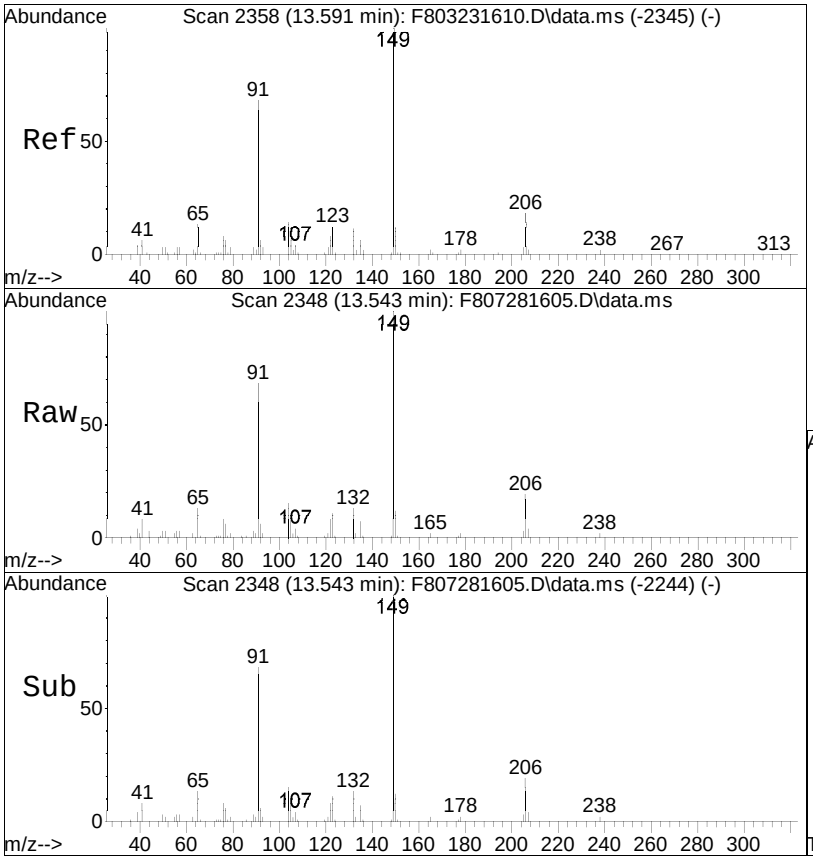


#78
Pyrene
Concen: 0.47 ug/mL
RT: 11.954 min Scan# 2018
Delta R.T. -0.005 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:202 Resp: 125670

Ion	Ratio	Lower	Upper
202	100		
101	17.7	14.9	22.3
100	13.8	11.4	17.2

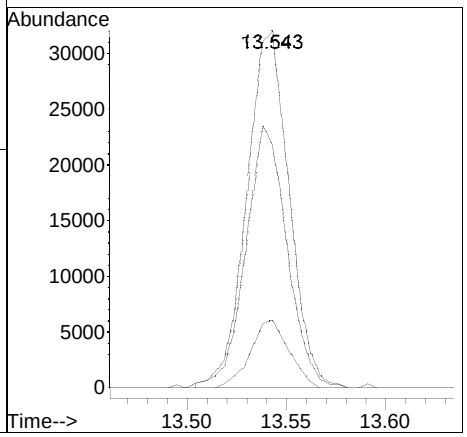


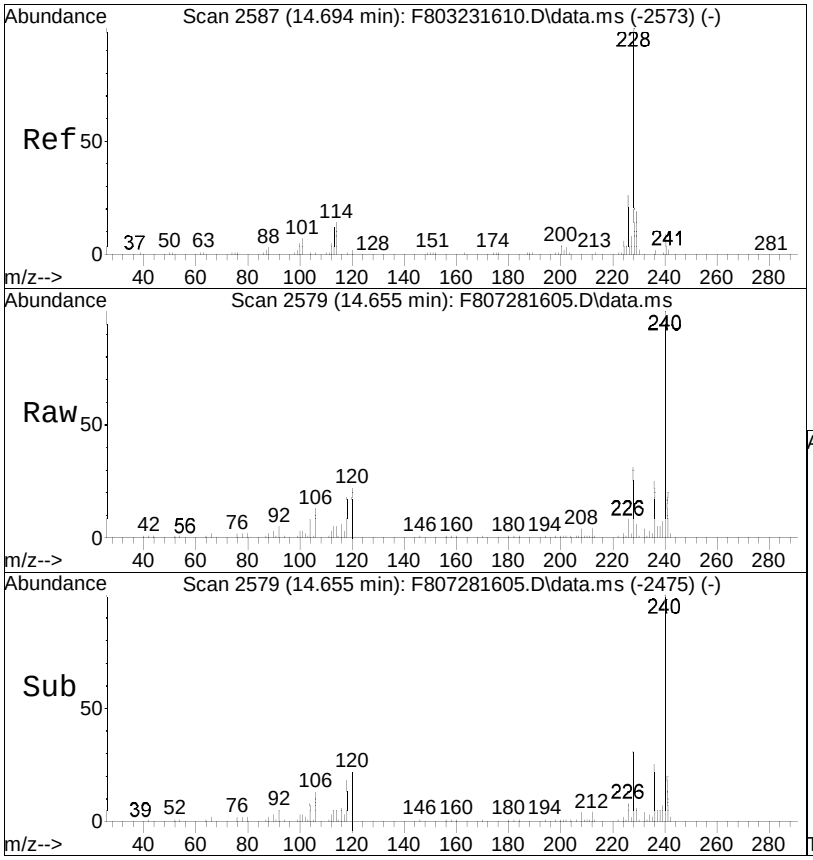


#80
Butylbenzylphthalate
Concen: 0.51 ug/mL
RT: 13.543 min Scan# 2348
Delta R.T. -0.000 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:149 Resp: 47104

Ion	Ratio	Lower	Upper
149	100		
91	69.0	50.8	76.2
206	17.4	15.0	22.4

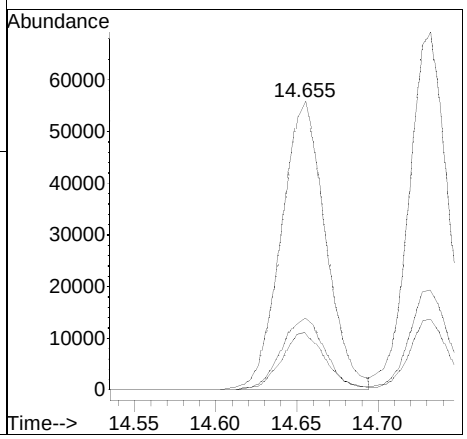


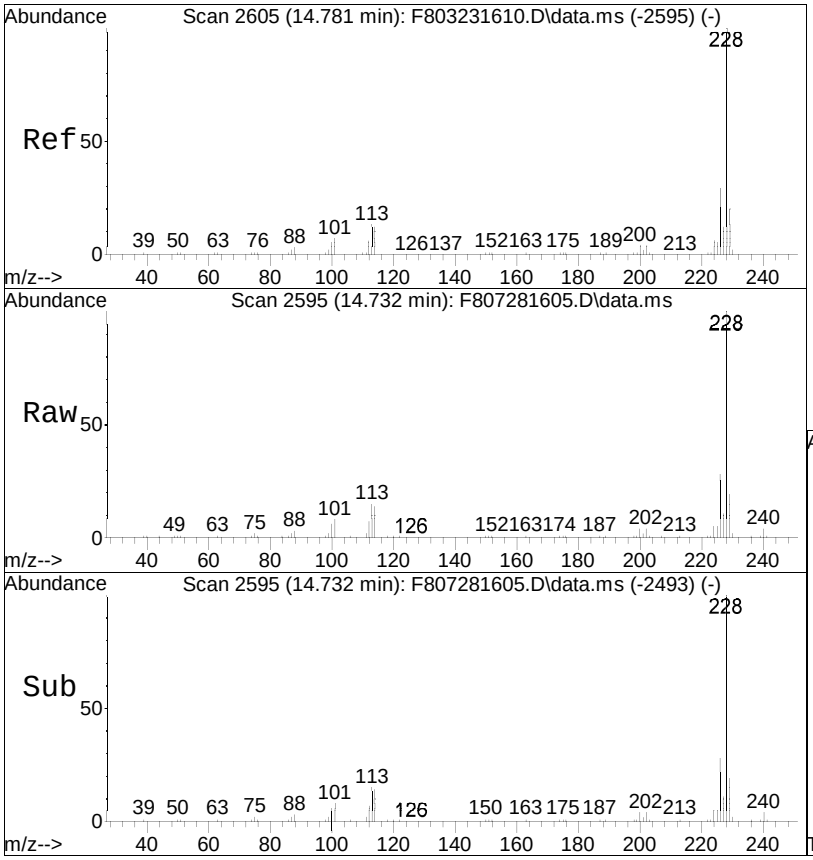


#82
Benz[a]anthracene
Concen: 0.46 ug/mL M4
RT: 14.655 min Scan# 2579
Delta R.T. 0.000 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:228 Resp: 106057

Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.9	23.9
226	24.6	21.2	31.8

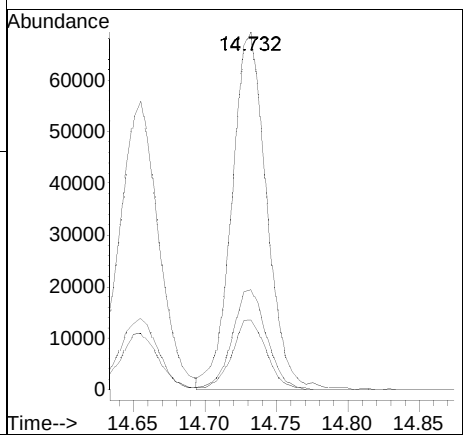


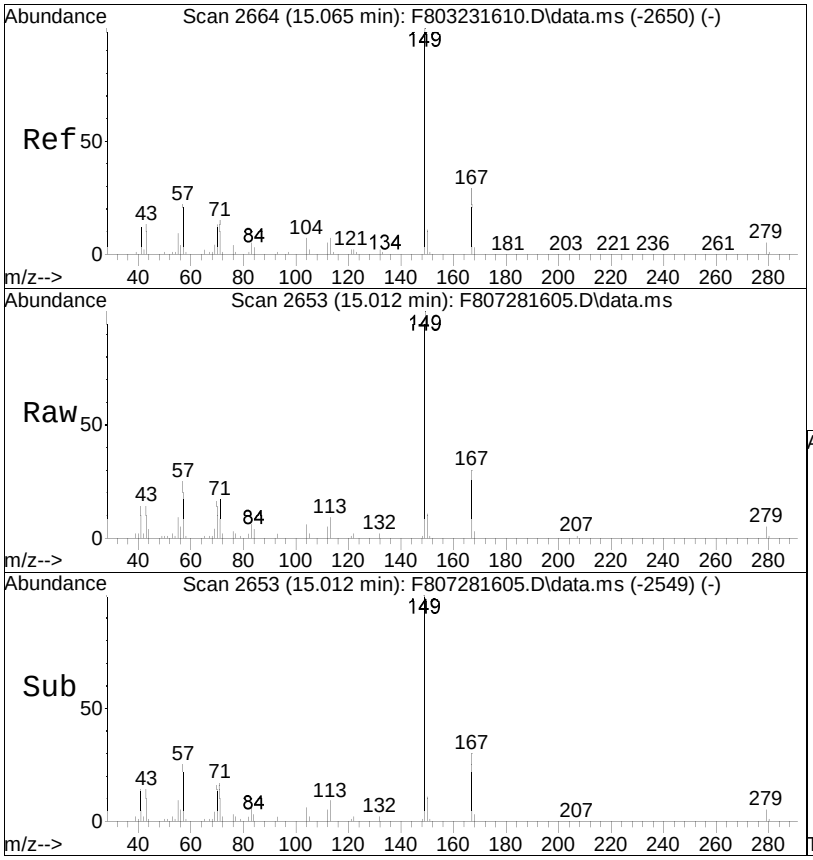


#83
Chrysene
Concen: 0.51 ug/mL M4
RT: 14.732 min Scan# 2595
Delta R.T. -0.010 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:228 Resp: 117605

Ion	Ratio	Lower	Upper
228	100		
226	27.9	23.7	35.5
229	19.5	15.8	23.8

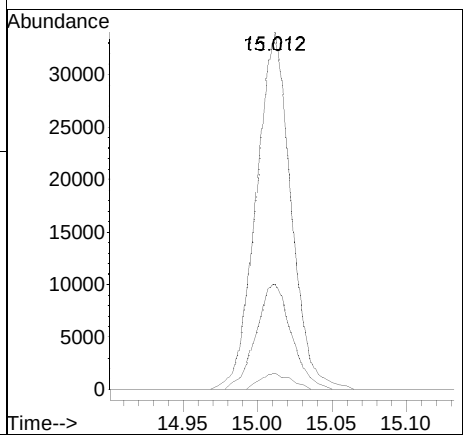


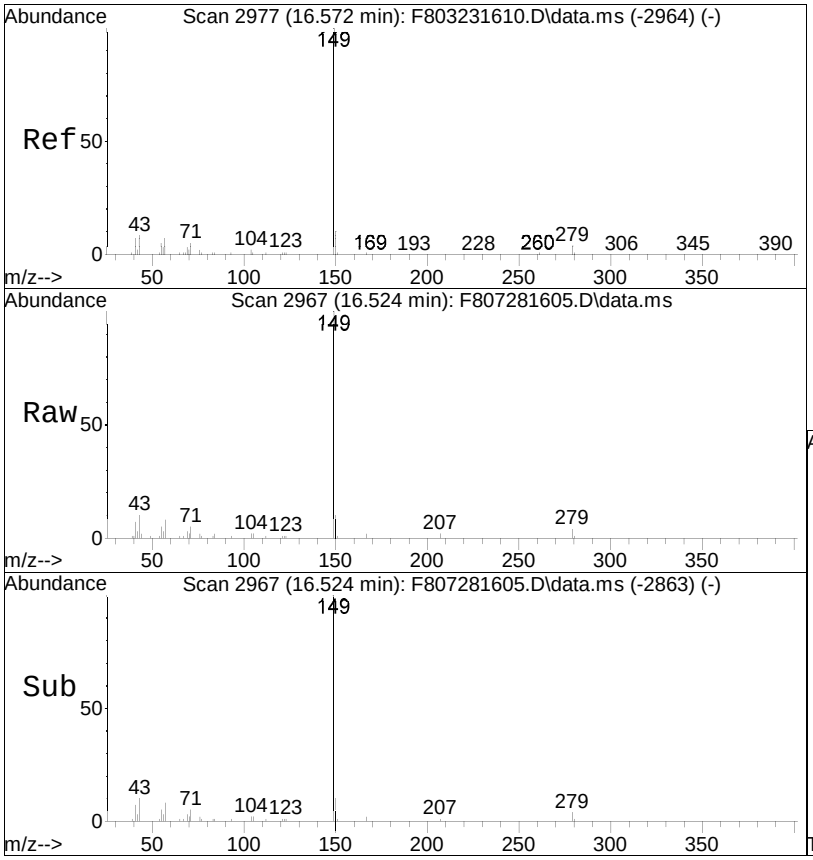


#84
bis(2-Ethylhexyl)phthalate
Concen: 0.49 ug/mL
RT: 15.012 min Scan# 2653
Delta R.T. -0.000 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:149 Resp: 54883

Ion	Ratio	Lower	Upper
149	100		
167	30.0	23.8	35.6
279	4.0	4.0	6.0#

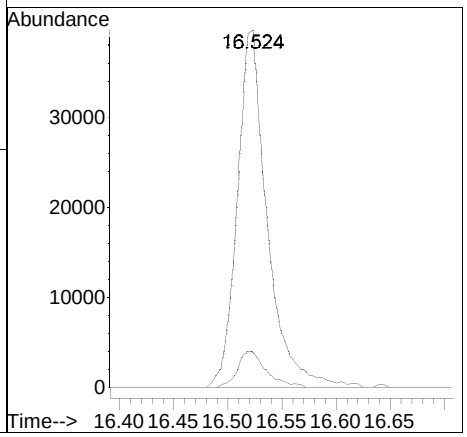


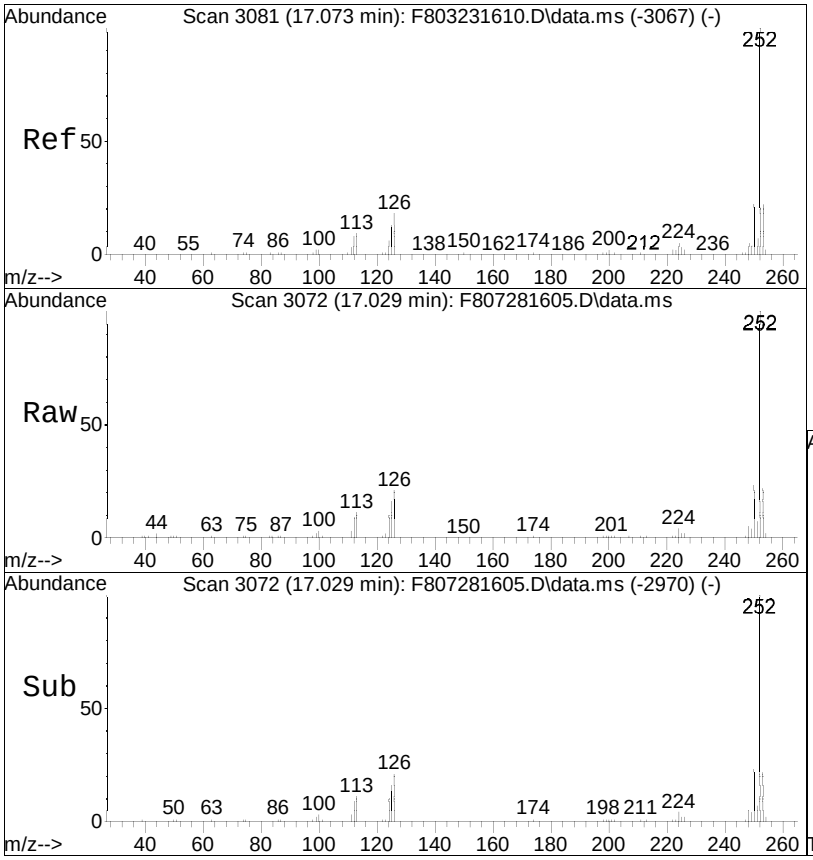


#86
Di-n-octylphthalate
Concen: 0.70 ug/mL
RT: 16.524 min Scan# 2967
Delta R.T. -0.000 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:149 Resp: 75449

Ion	Ratio	Lower	Upper
149	100		
150	9.8	8.1	12.1

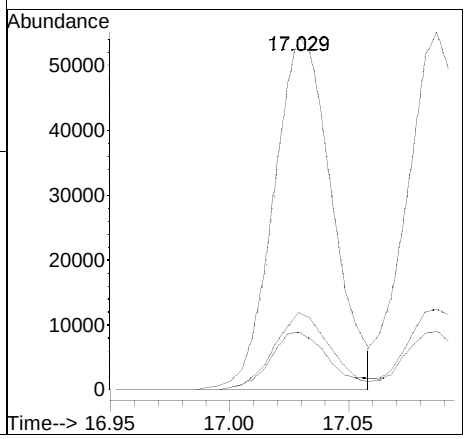


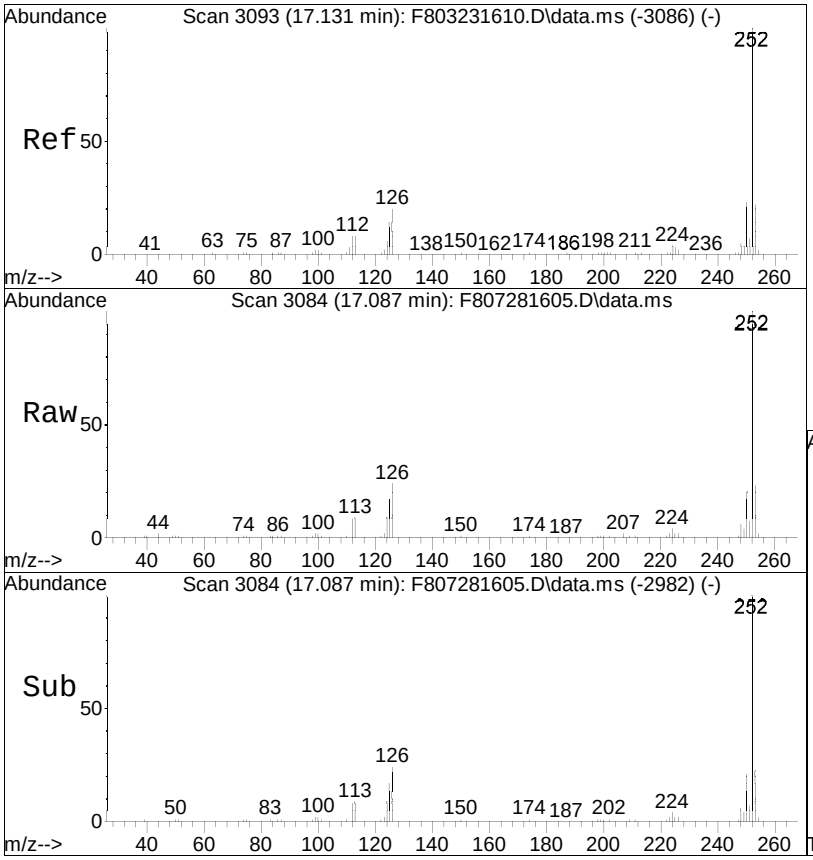


#87
Benzo[b]fluoranthene
Concen: 0.43 ug/mL
RT: 17.029 min Scan# 3072
Delta R.T. -0.010 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:252 Resp: 92439

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	16.6	13.7	20.5

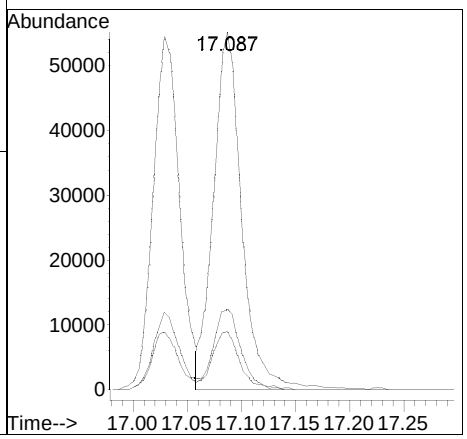


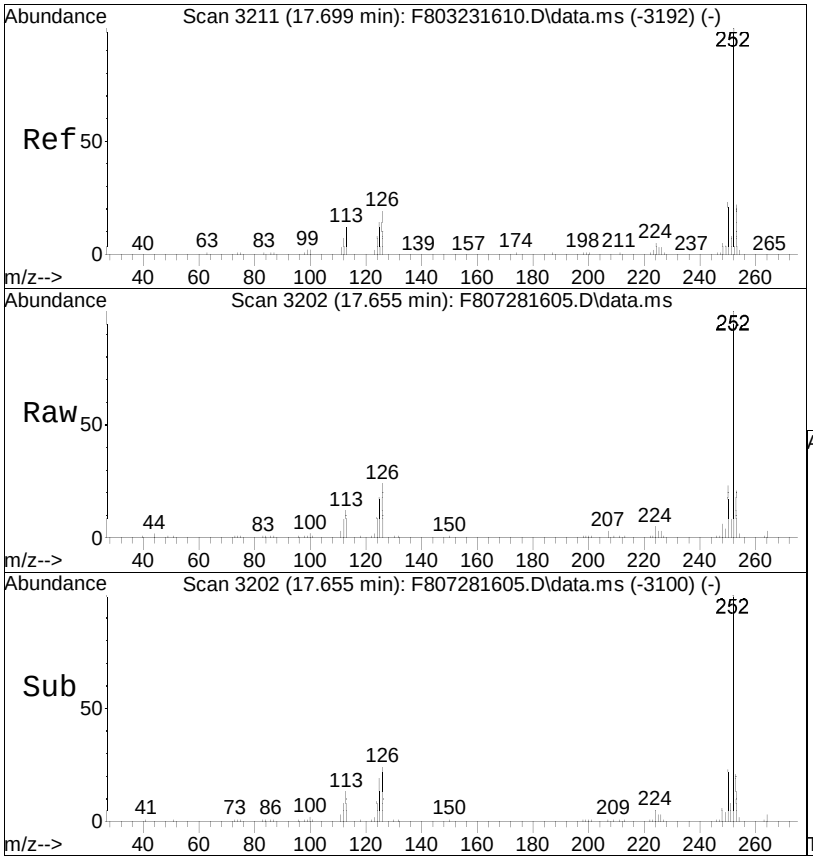


#88
Benzo[k]fluoranthene
Concen: 0.47 ug/mL
RT: 17.087 min Scan# 3084
Delta R.T. -0.010 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:252 Resp: 100447

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.3	25.9
125	15.7	13.3	19.9

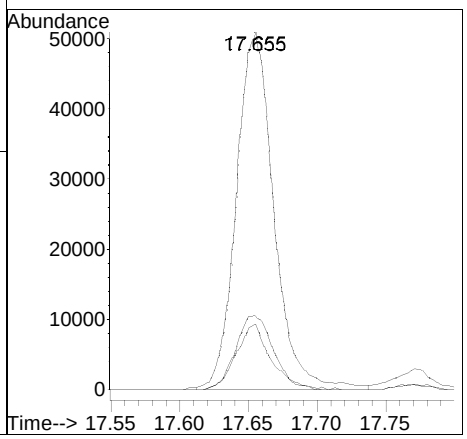


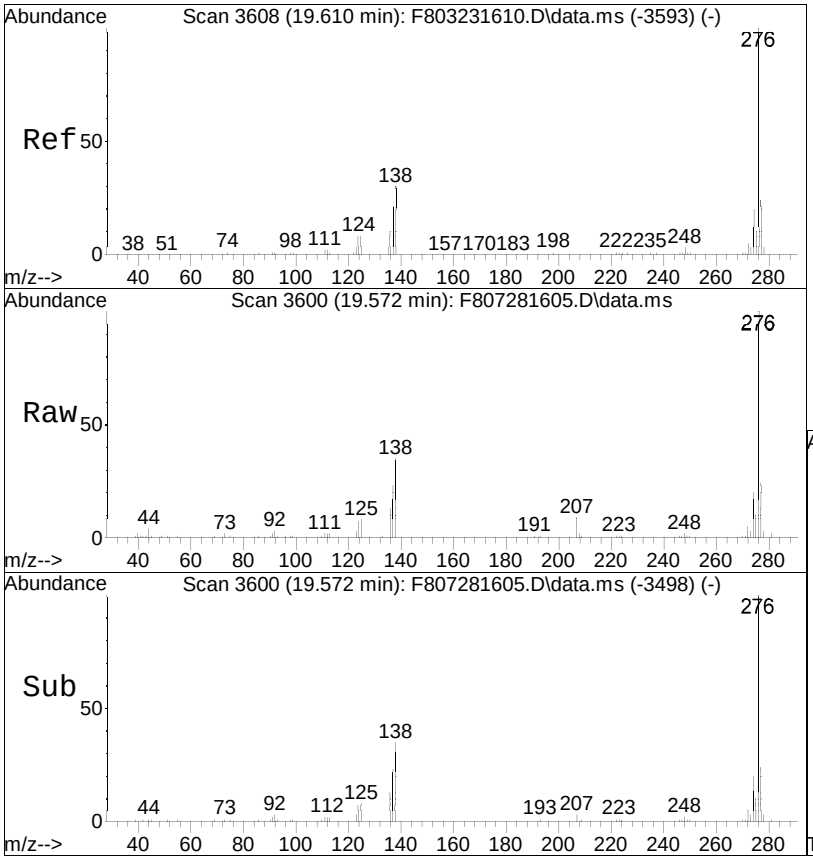


#89
Benzo[a]pyrene
Concen: 0.46 ug/mL M4
RT: 17.655 min Scan# 3202
Delta R.T. -0.010 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:252 Resp: 96055

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.4	26.0
125	16.9	14.3	21.5

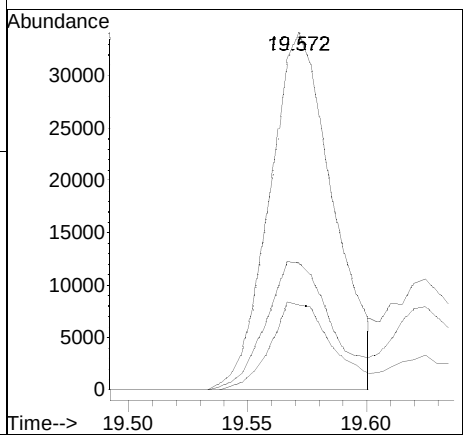


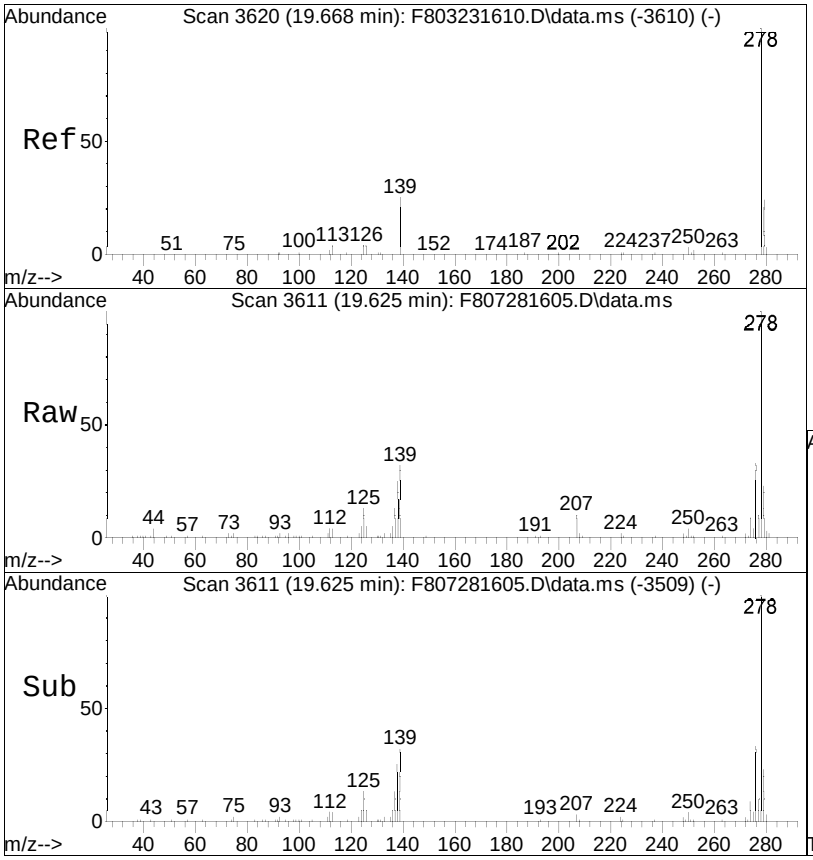


#90
Indeno[1,2,3-cd]pyrene
Concen: 0.37 ug/mL
RT: 19.572 min Scan# 3600
Delta R.T. -0.009 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:276 Resp: 63182

Ion	Ratio	Lower	Upper
276	100		
138	37.1	28.2	42.2
277	23.9	19.4	29.0

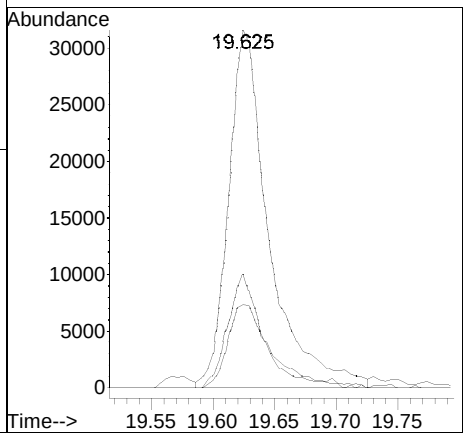


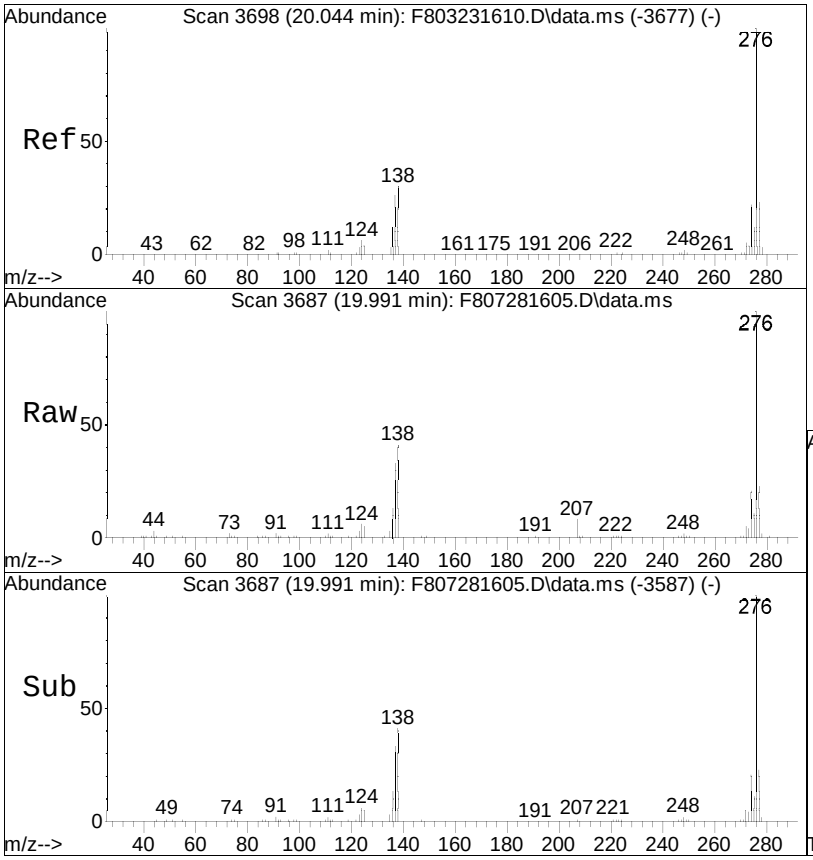


#91
Dibenz[a,h]anthracene
Concen: 0.42 ug/mL M4
RT: 19.625 min Scan# 3611
Delta R.T. -0.009 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:278 Resp: 71800

Ion	Ratio	Lower	Upper
278	100		
139	30.2	23.4	35.0
279	24.1	19.4	29.0

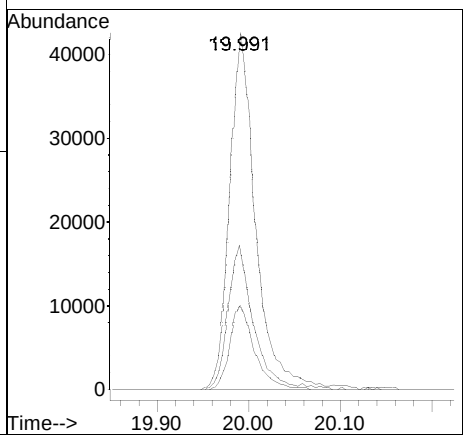




#92
Benzo[g,h,i]perylene
Concen: 0.44 ug/mL
RT: 19.991 min Scan# 3687
Delta R.T. -0.019 min
Lab File: F807281605.D
Acq: 28 Jul 2016 1:01 pm

Tgt Ion:276 Resp: 84659

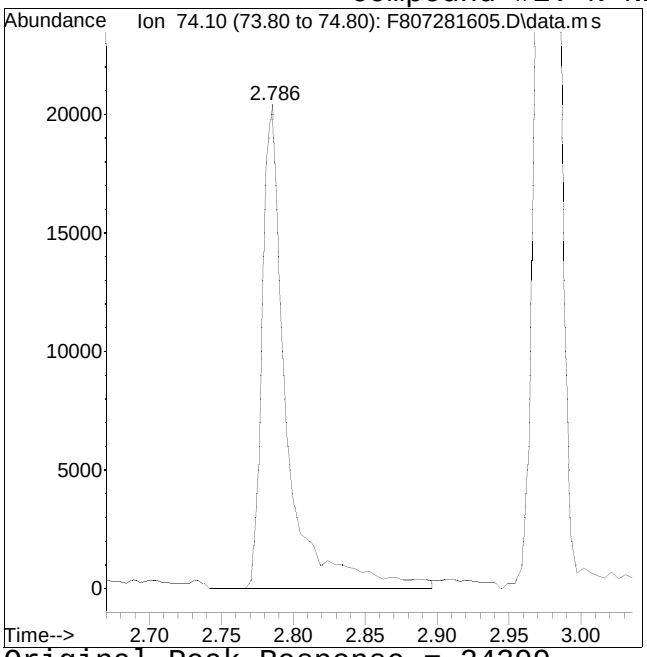
Ion	Ratio	Lower	Upper
276	100		
138	39.8	31.4	47.2
277	22.6	19.4	29.0

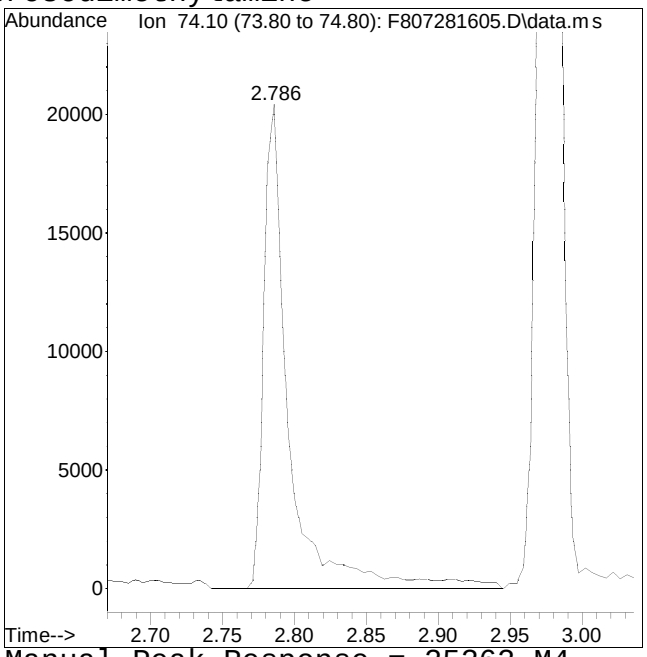


Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281605.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 1:01 pm Instrument : BNA8
Sample : I807281601 Quant Date : 8/10/2016 9:45 am

Compound #2: N-Nitrosodimethylamine





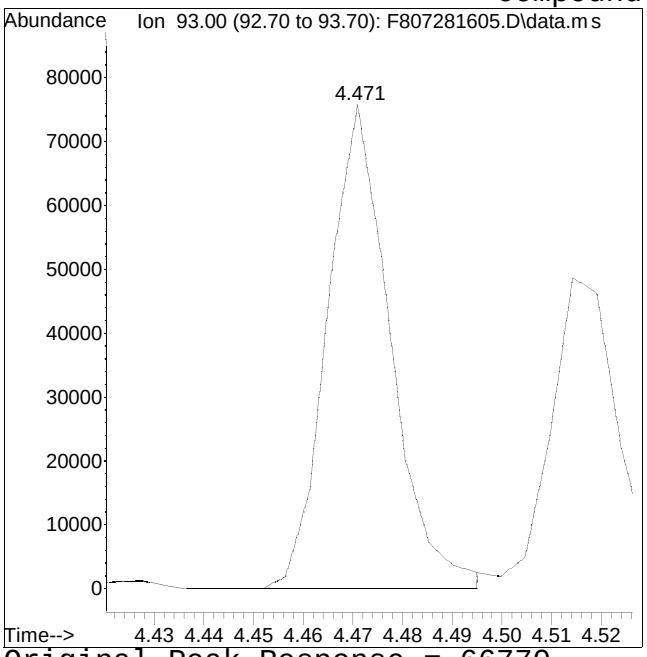
Original Peak Response = 24399 Manual Peak Response = 25262 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

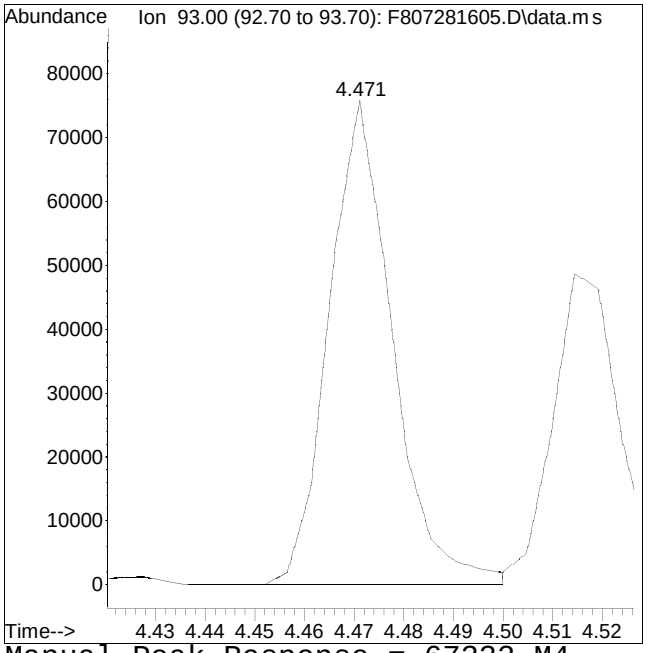
Data Path : O:\Organics\DATA\BNA8\2016\
Data File : F807281605.D
Date Inj'd : 7/28/2016 1:01 pm
Sample : I807281601

QMethod : SV0728BNA8.M
Operator : BNA8:SF
Instrument : BNA8
Quant Date : 8/10/2016 9:45 am

Compound #6: Aniline



Original Peak Response = 66770



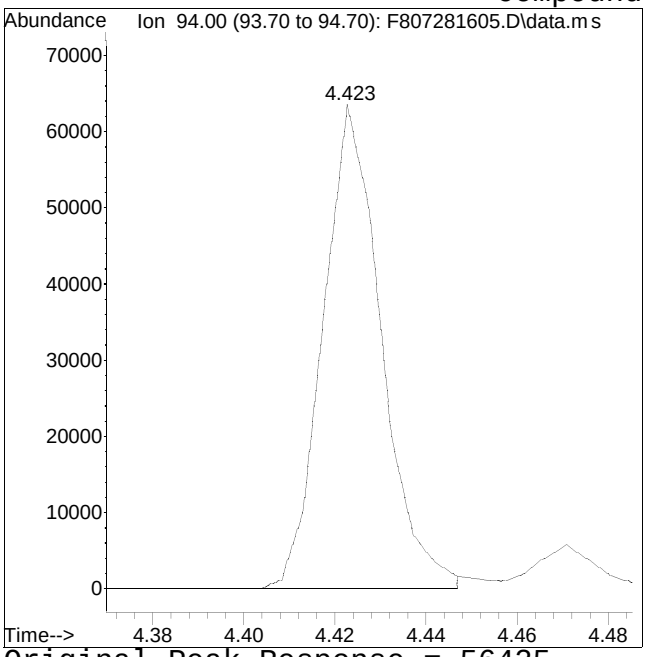
Manual Peak Response = 67332 M4

M4 = Poor automated baseline construction.

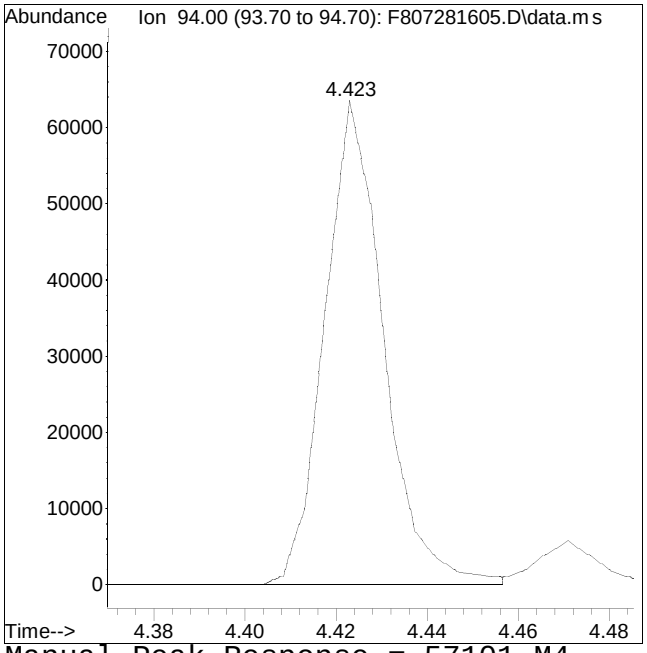
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281605.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 1:01 pm Instrument : BNA8
Sample : I807281601 Quant Date : 8/10/2016 9:45 am

Compound #9: Phenol



Original Peak Response = 56425



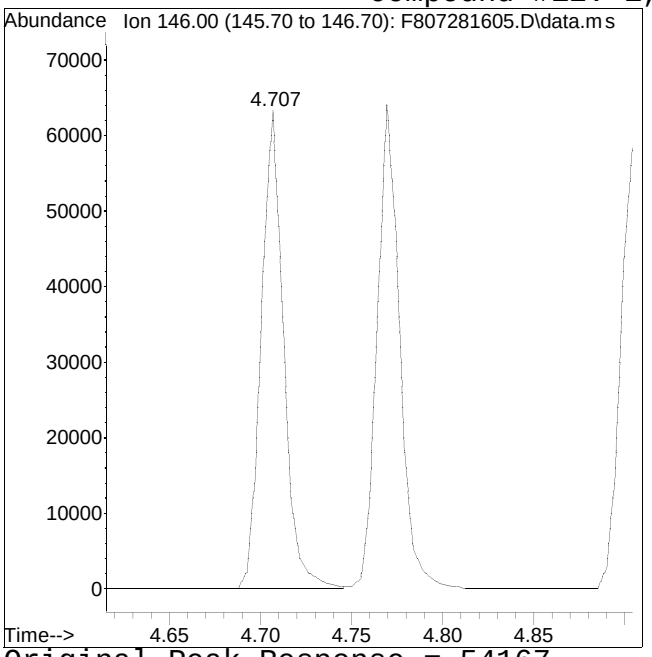
Manual Peak Response = 57101 M4

M4 = Poor automated baseline construction.

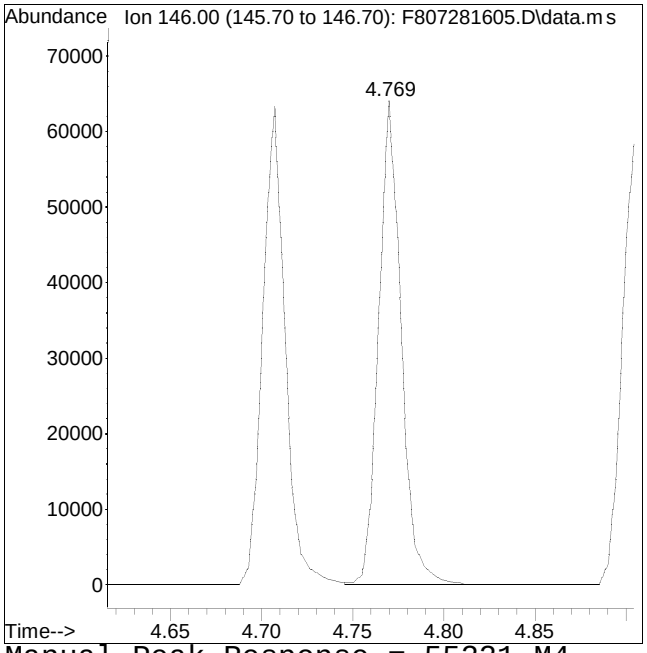
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281605.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 1:01 pm Instrument : BNA8
Sample : I807281601 Quant Date : 8/10/2016 9:45 am

Compound #12: 1,4-Dichlorobenzene



Original Peak Response = 54167



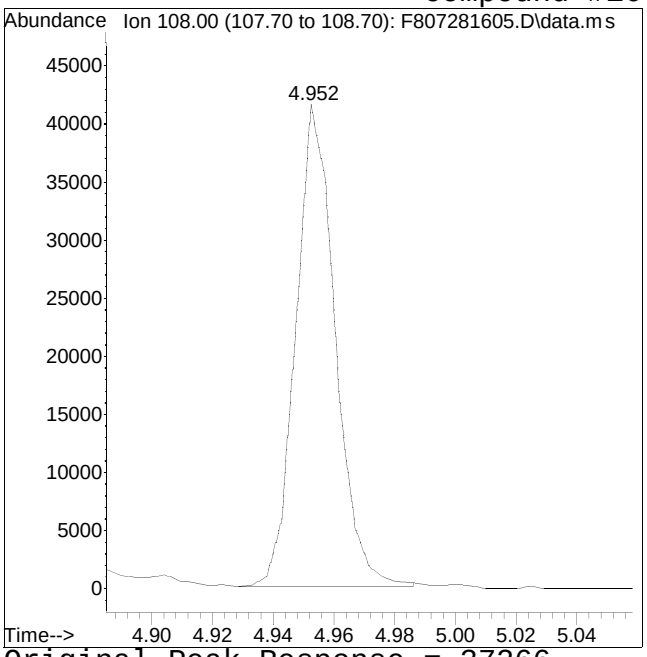
Manual Peak Response = 55221 M4

M4 = Poor automated baseline construction.

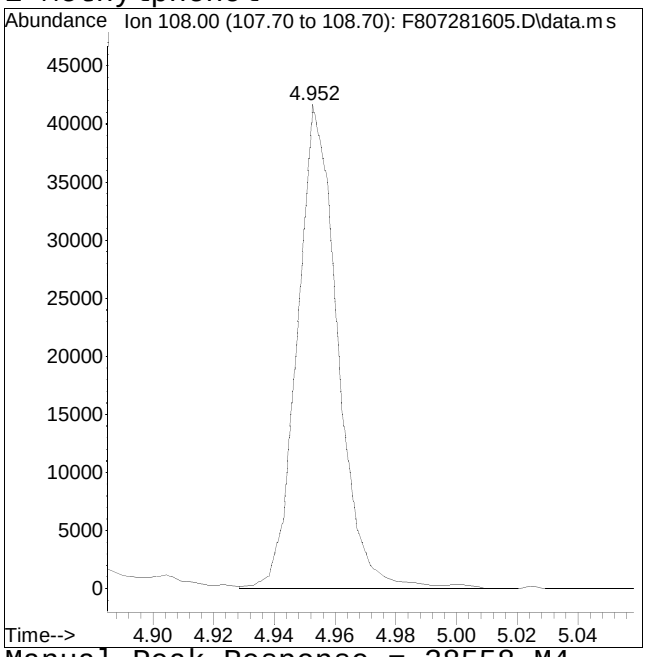
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281605.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 1:01 pm Instrument : BNA8
Sample : I807281601 Quant Date : 8/10/2016 9:45 am

Compound #16: 2-Methylphenol



Original Peak Response = 37266



Manual Peak Response = 38558 M4

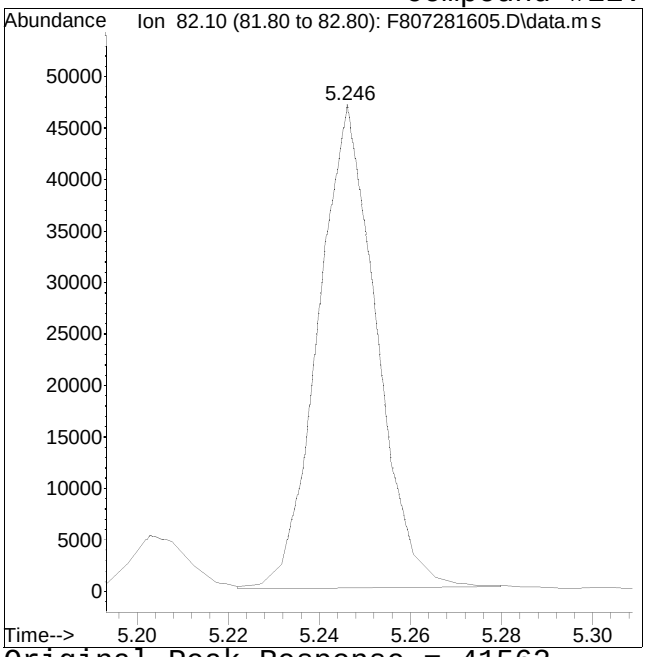
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

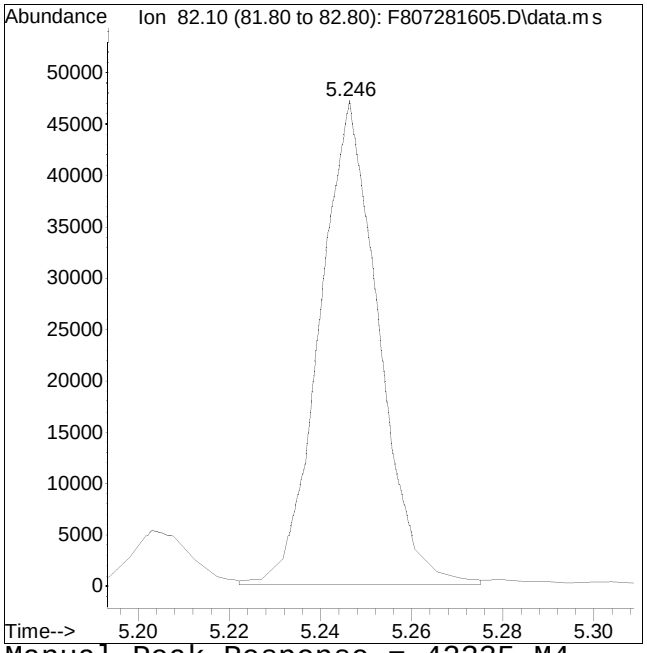
Data Path : O:\Organics\DATA\BNA8\2016\
Data File : F807281605.D
Date Inj'd : 7/28/2016 1:01 pm
Sample : I807281601

QMethod : SV0728BNA8.M
Operator : BNA8:SF
Instrument : BNA8
Quant Date : 8/10/2016 9:45 am

Compound #22: Nitrobenzene-d5



Original Peak Response = 41562



Manual Peak Response = 42335 M4

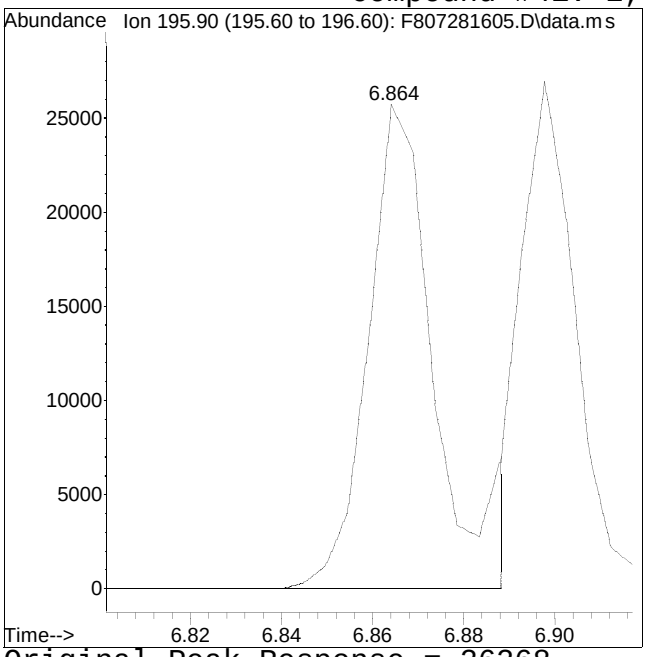
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

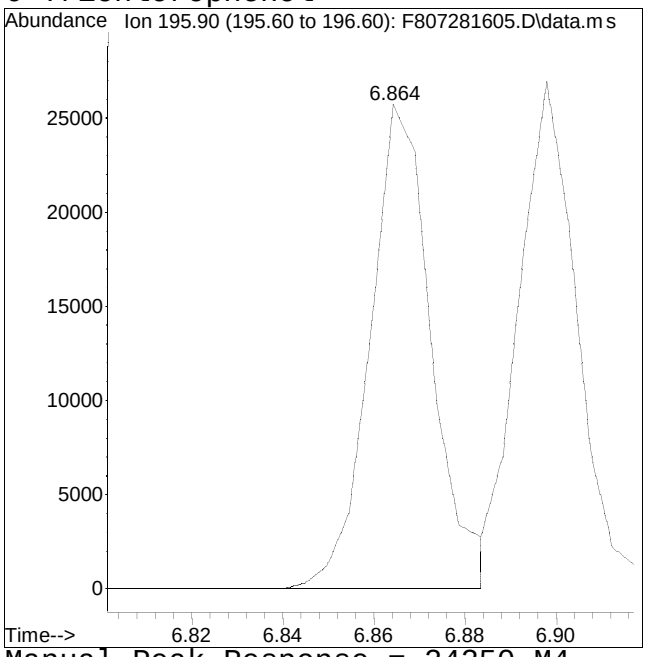
Data Path : O:\Organics\DATA\BNA8\2016\
Data File : F807281605.D
Date Inj'd : 7/28/2016 1:01 pm
Sample : I807281601

QMethod : SV0728BNA8.M
Operator : BNA8:SF
Instrument : BNA8
Quant Date : 8/10/2016 9:45 am

Compound #41: 2,4,6-Trichlorophenol



Original Peak Response = 26268



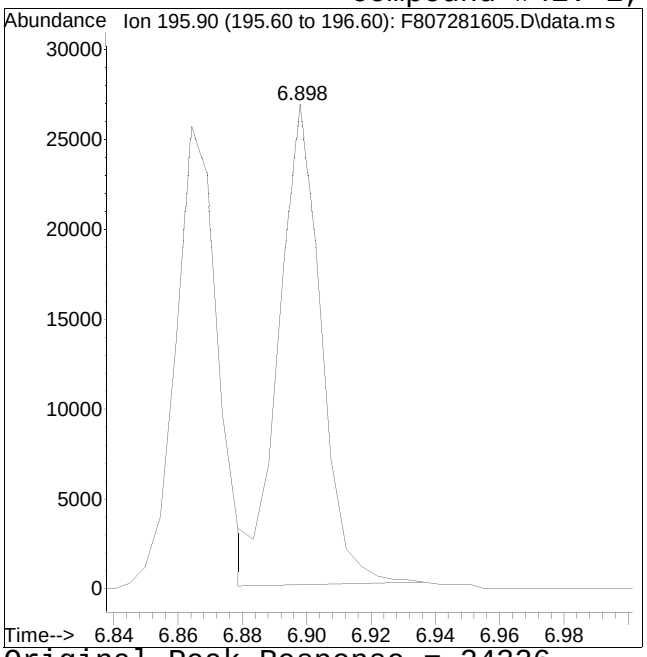
Manual Peak Response = 24250 M4

M4 = Poor automated baseline construction.

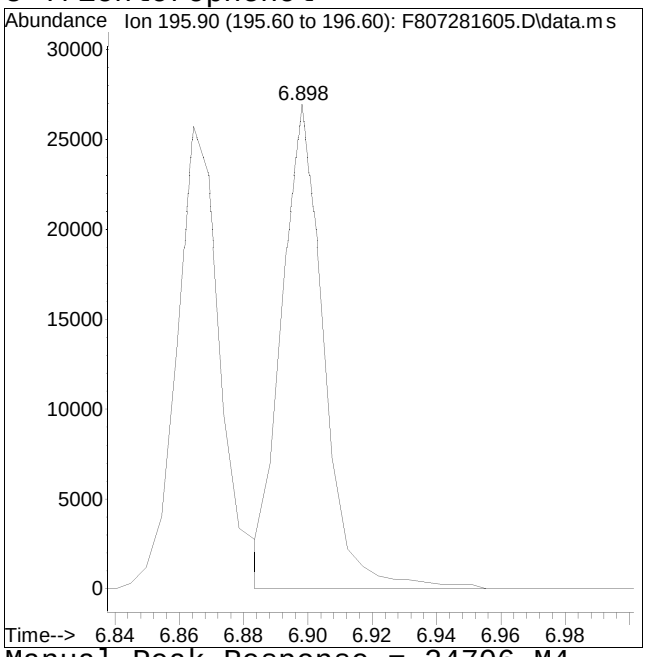
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281605.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 1:01 pm Instrument : BNA8
Sample : I807281601 Quant Date : 8/10/2016 9:45 am

Compound #42: 2,4,5-Trichlorophenol



Original Peak Response = 24326



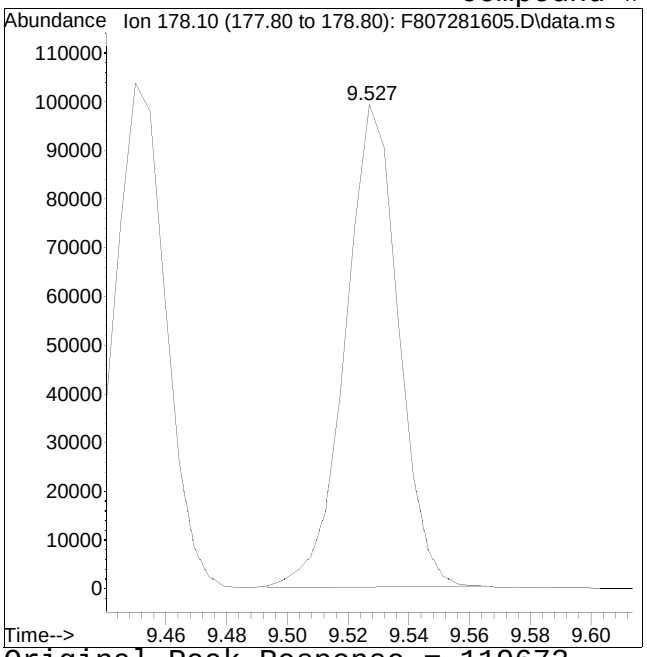
Manual Peak Response = 24706 M4

M4 = Poor automated baseline construction.

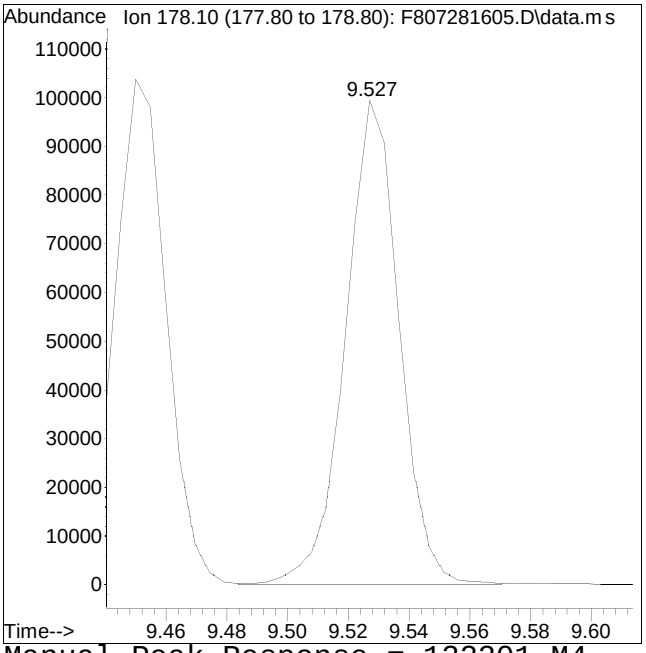
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281605.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 1:01 pm Instrument : BNA8
Sample : I807281601 Quant Date : 8/10/2016 9:45 am

Compound #72: Anthracene



Original Peak Response = 119673



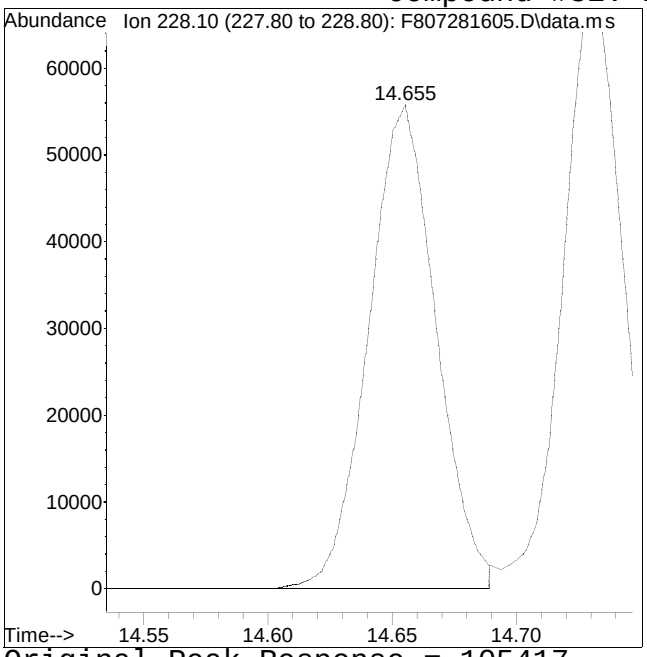
Manual Peak Response = 122201 M4

M4 = Poor automated baseline construction.

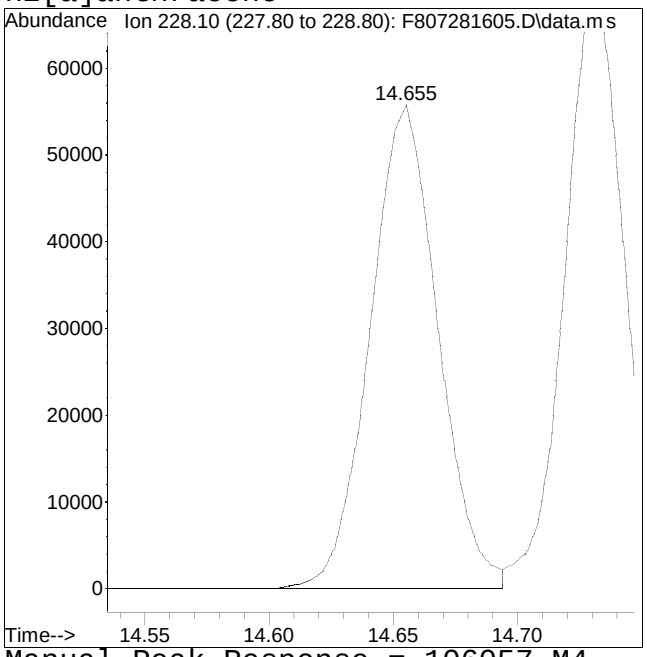
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281605.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 1:01 pm Instrument : BNA8
Sample : I807281601 Quant Date : 8/10/2016 9:45 am

Compound #82: Benz[a]anthracene



Original Peak Response = 105417



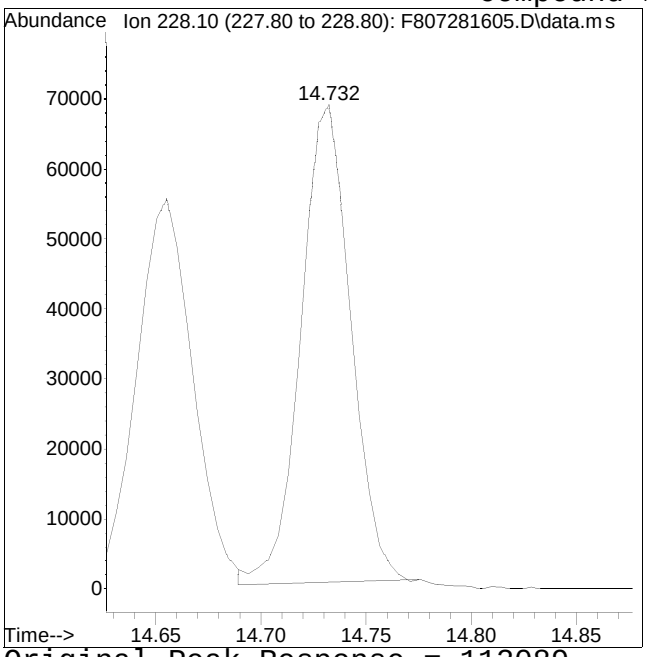
Manual Peak Response = 106057 M4

M4 = Poor automated baseline construction.

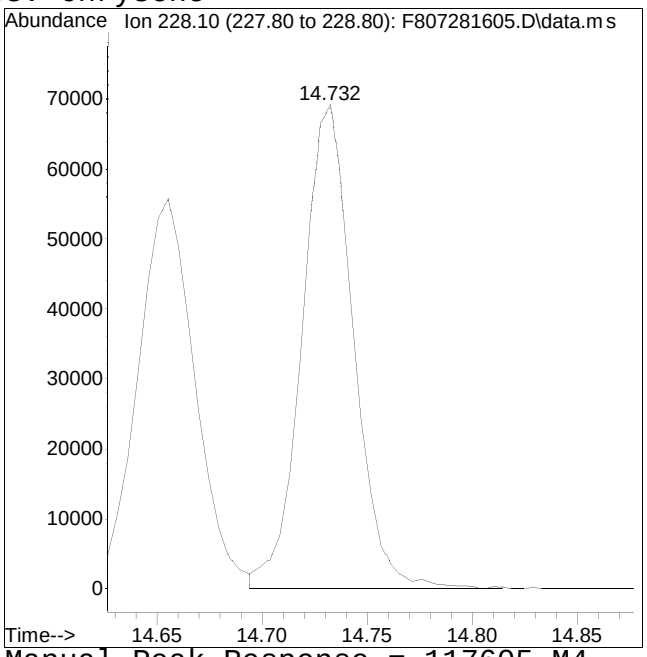
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281605.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 1:01 pm Instrument : BNA8
Sample : I807281601 Quant Date : 8/10/2016 9:45 am

Compound #83: Chrysene



Original Peak Response = 112089



Manual Peak Response = 117605 M4

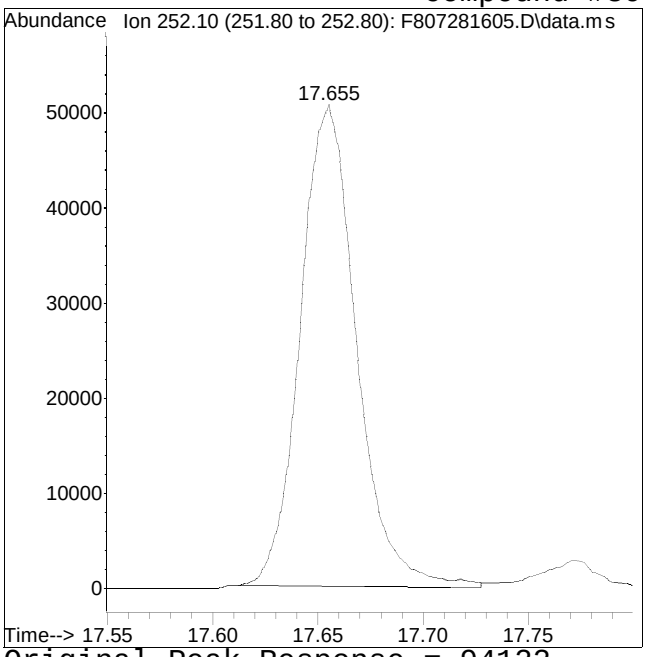
M4 = Poor automated baseline construction.

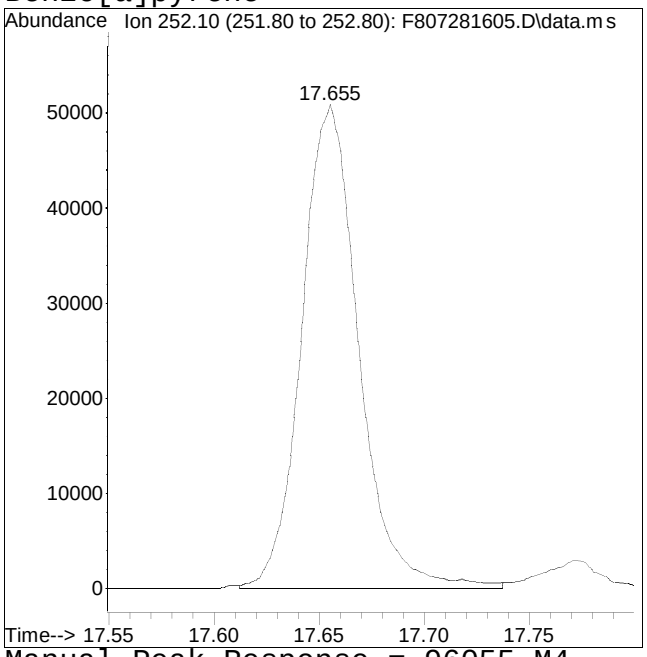
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\
Data File : F807281605.D
Date Inj'd : 7/28/2016 1:01 pm
Sample : I807281601

QMethod : SV0728BNA8.M
Operator : BNA8:SF
Instrument : BNA8
Quant Date : 8/10/2016 9:45 am

Compound #89: Benzo[a]pyrene





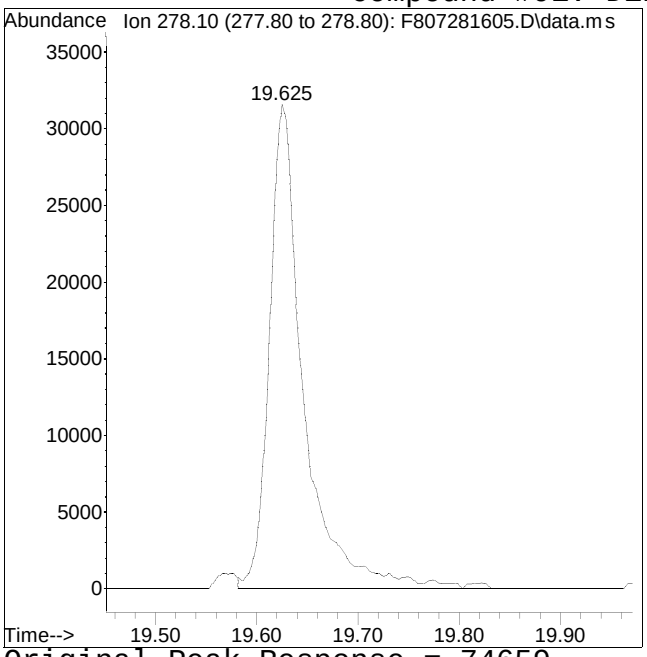
Original Peak Response = 94122 Manual Peak Response = 96055 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

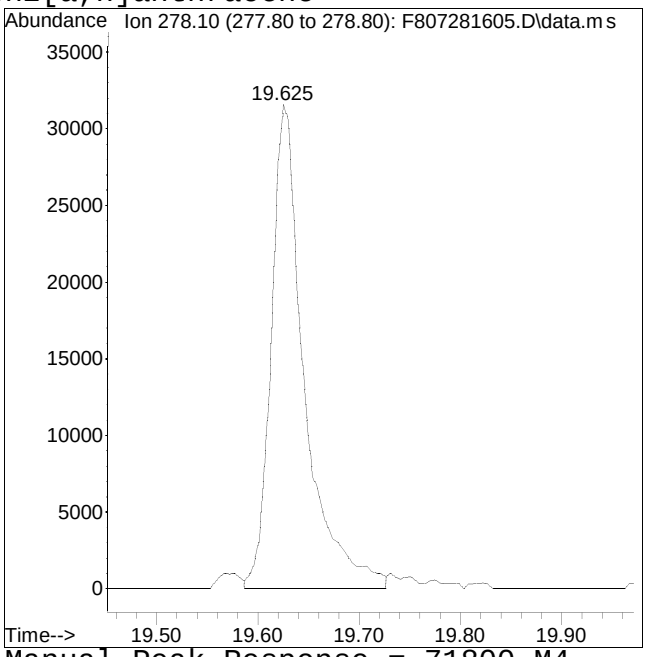
Data Path : O:\Organics\DATA\BNA8\2016\
Data File : F807281605.D
Date Inj'd : 7/28/2016 1:01 pm
Sample : I807281601

QMethod : SV0728BNA8.M
Operator : BNA8:SF
Instrument : BNA8
Quant Date : 8/10/2016 9:45 am

Compound #91: Dibenz[a,h]anthracene



Original Peak Response = 74659



Manual Peak Response = 71800 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281606.D
Acq On : 28 Jul 2016 1:34 pm
Operator : BNA8:SF
Sample : I807281602
Misc : WG919318,MSAK11
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 10 09:43:11 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 10 09:43:19 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.760	152	383122	5.000	ug/mL	0.00
21) Naphthalene-d8	5.916	136	1454474	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.615	164	684047	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.421	188	1285743	5.000	ug/mL	0.00
76) Chrysene-d12	14.680	240	1177651	5.000	ug/mL	0.00
85) Perylene-d12	17.771	264	1082082	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.701	112	92849	1.008	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 5.04%#			
8) Phenol-d5	4.413	99	112437	1.008	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 5.04%#			
22) Nitrobenzene-d5	5.246	82	92163M4	1.019	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 5.09%#			
43) 2-Fluorobiphenyl	6.951	172	192686	1.066	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 5.33%#			
65) 2,4,6-Tribromophenol	8.487	330	16192	0.945	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 4.72%#			
79) Terphenyl-d14	12.359	244	165120	0.990	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 4.95%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.795	74	50067	1.017	ug/mL#	78
3) Pyridine	2.824	79	99137	1.058	ug/mL	99
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.476	93	143858	1.011	ug/ml	99
7) bis(2-Chloroethyl)ether	4.519	63	65787M4	1.056	ug/mL	
9) Phenol	4.428	94	118491	1.023	ug/mL#	89
10) 2-Chlorophenol	4.572	128	100364	1.002	ug/mL	95
11) 1,3-Dichlorobenzene	4.707	146	113081	1.029	ug/mL	100
12) 1,4-Dichlorobenzene	4.774	146	113927M4	1.038	ug/mL	
13) 1,2-Dichlorobenzene	4.904	146	108786	1.043	ug/mL	100
14) Benzyl alcohol	4.866	108	60137	0.987	ug/mL	89
15) bis(2-chloroisopropyl)eth	4.986	45	122244	1.092	ug/mL	99
16) 2-Methylphenol	4.957	108	81745M4	1.038	ug/mL	
17) Acetophenone	0.000		0	N.D.		
18) Hexachloroethane	5.208	117	45649	1.021	ug/mL	99
19) N-Nitroso-di-n-propylamin	5.102	70	63939	1.039	ug/mL	93
20) 4-Methylphenol	5.087	108	89162	1.039	ug/mL	100

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281606.D
Acq On : 28 Jul 2016 1:34 pm
Operator : BNA8:SF
Sample : I807281602
Misc : WG919318,MSAK11
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 10 09:43:11 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 10 09:43:19 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	5.266	77	94818	1.044	ug/mL	95
24) Isophorone	5.477	82	144421	1.016	ug/mL	98
25) 2-Nitrophenol	5.555	139	49775	0.957	ug/mL#	90
26) 2,4-Dimethylphenol	5.583	107	85693	1.045	ug/mL	99
27) Benzoic acid	5.622	105	14796M4	1.233	ug/mL	
28) bis(2-Chloroethoxy)methan	5.680	93	110650	1.060	ug/mL	97
29) 2,4-Dichlorophenol	5.776	162	77233	1.004	ug/mL	98
30) 1,2,4-Trichlorobenzene	5.863	180	85419	1.039	ug/mL	99
31) Naphthalene	5.940	128	282445	1.063	ug/mL	99
32) 2-Chloroaniline	5.521	127	140836	1.049	ug/ml	99
33) 4-Chloroaniline	5.983	127	118456	1.040	ug/mL	98
34) Hexachlorobutadiene	6.050	225	42750	1.017	ug/mL	98
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	6.436	107	72895	0.986	ug/mL	98
37) 2-Methylnaphthalene	6.599	142	183453	1.041	ug/mL	98
39) 1,2,4,5-Tetrachlorobenzen	6.758	216	82088	1.069	ug/mL	99
40) Hexachlorocyclopentadiene	6.749	237	32985	0.869	ug/mL	98
41) 2,4,6-Trichlorophenol	6.869	196	53167M4	0.996	ug/mL	
42) 2,4,5-Trichlorophenol	6.898	196	54525M4	1.014	ug/mL	
44) Biphenyl	0.000		0	N.D.		
45) 2-Chloronaphthalene	7.071	162	171870	1.063	ug/mL	99
46) 2-Nitroaniline	7.168	65	42639	0.966	ug/mL	85
47) Acenaphthylene	7.476	152	276656	1.045	ug/mL	98
48) Dimethylphthalate	7.341	163	177078	1.004	ug/mL	100
49) 2,6-Dinitrotoluene	7.404	165	37628	0.916	ug/mL	98
50) Acenaphthene	7.649	153	175848	1.075	ug/mL	98
51) 3-Nitroaniline	7.567	138	45266	0.956	ug/mL	86
52) 2,4-Dinitrophenol	7.678	184	16276	0.891	ug/mL#	27
53) Dibenzofuran	7.827	168	233531	1.087	ug/mL	100
54) 2,3,4,6-Tetrachlorophenol	7.957	232	35730	0.938	ug/mL	99
55) 2,4-Dinitrotoluene	7.808	165	51056	0.964	ug/mL#	64
56) 4-Nitrophenol	7.731	109	20405	0.880	ug/mL	91
57) Fluorene	8.203	166	187652	1.092	ug/mL	100
58) 4-Chlorophenyl-phenylethe	8.203	204	87794	1.120	ug/mL	99
59) Diethylphthalate	8.073	149	186508	1.026	ug/mL	100
60) 4-Nitroaniline	8.217	138	47378M4	0.994	ug/mL	
62) 4,6-Dinitro-2-methylpheno	8.256	198	25040	0.715	ug/mL#	94
63) Azobenzene	8.391	182	50314	1.017	ug/mL	86
64) n-Nitrosodiphenylamine	8.338	169	129746	1.040	ug/mL	99
66) 4-Bromophenyl-phenylether	8.800	248	43963	0.998	ug/mL	96
67) Hexachlorobenzene	8.872	284	44740	0.993	ug/mL	96

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281606.D
Acq On : 28 Jul 2016 1:34 pm
Operator : BNA8:SF
Sample : I807281602
Misc : WG919318,MSAK11
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 10 09:43:11 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 10 09:43:19 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Atrazine	0.000		0	N.D. d		
69) Pentachlorophenol	9.142	266	24800	0.743	ug/mL	98
70) Pentachloronitrobenzene	9.161	237	17793	0.921	ug/ml	91
71) Phenanthrene	9.455	178	268727	1.038	ug/mL	99
72) Anthracene	9.532	178	266796M4	1.039	ug/mL	
73) Carbazole	9.782	167	255688	1.054	ug/mL	100
74) Di-n-butylphthalate	10.408	149	292473	0.961	ug/mL	99
75) Fluoranthene	11.506	202	283439	1.027	ug/mL	98
77) Benzidine	0.000		0	N.D.		
78) Pyrene	11.954	202	284850	0.996	ug/mL	98
80) Butylbenzylphthalate	13.543	149	118890	0.958	ug/mL	94
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	14.655	228	237616	0.954	ug/mL	99
83) Chrysene	14.732	228	252337M4	1.007	ug/mL	
84) bis(2-Ethylhexyl)phthalat	15.012	149	149471	0.942	ug/mL	100
86) Di-n-octylphthalate	16.524	149	219003	1.044	ug/mL	98
87) Benzo[b]fluoranthene	17.029	252	214348	0.929	ug/mL	99
88) Benzo[k]fluoranthene	17.087	252	229876	1.003	ug/mL	99
89) Benzo[a]pyrene	17.655	252	222216M4	0.990	ug/mL	
90) Indeno[1,2,3-cd]pyrene	19.572	276	154556M3	0.843	ug/mL	
91) Dibenz[a,h]anthracene	19.625	278	171036M4	0.921	ug/mL	
92) Benzo[g,h,i]perylene	19.996	276	195881	0.950	ug/mL	100

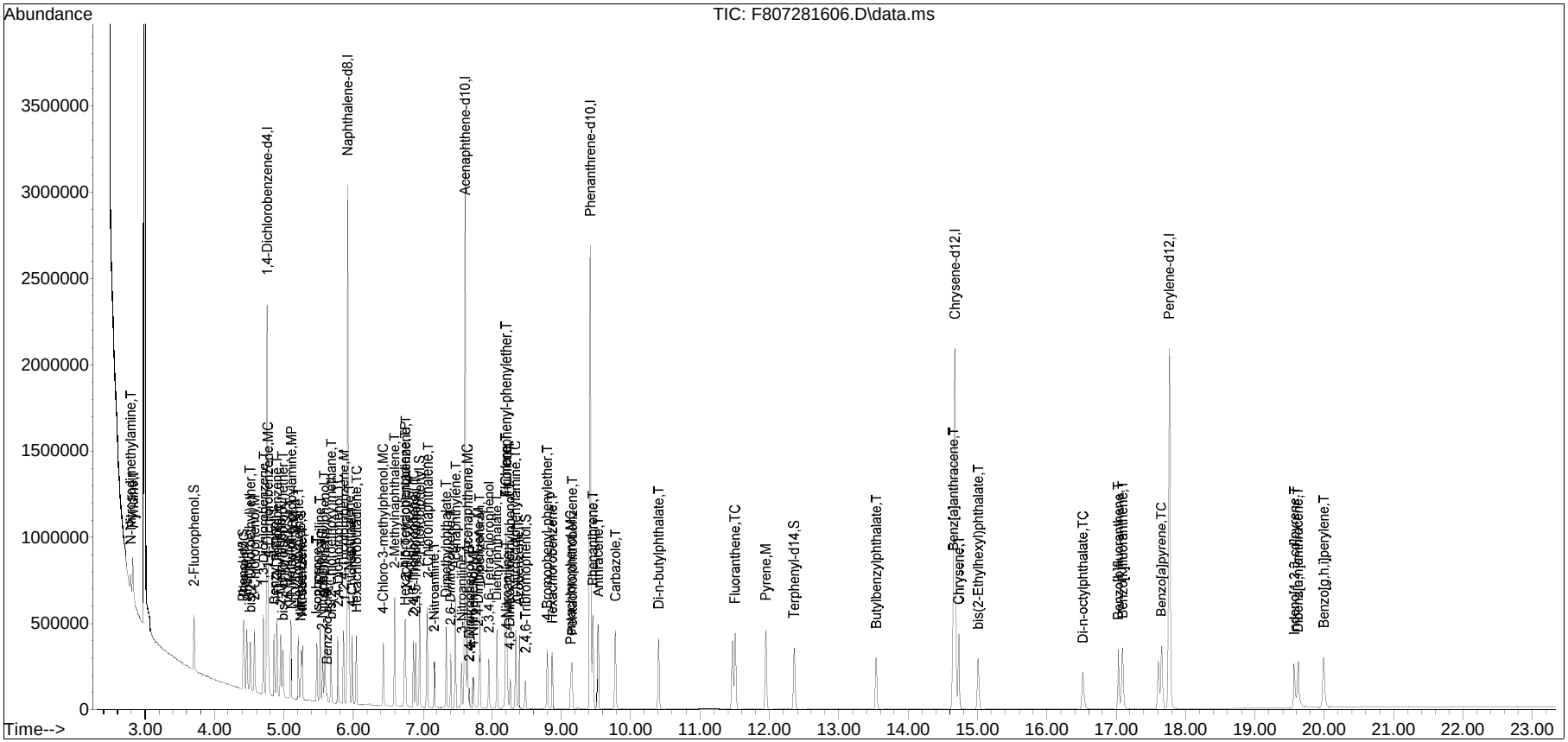
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281606.D
Acq On : 28 Jul 2016 1:34 pm
Operator : BNA8:SF
Sample : I807281602
Misc : WG919318,MSAK11
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 10 09:43:11 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 10 09:43:19 2016
Response via : Initial Calibration

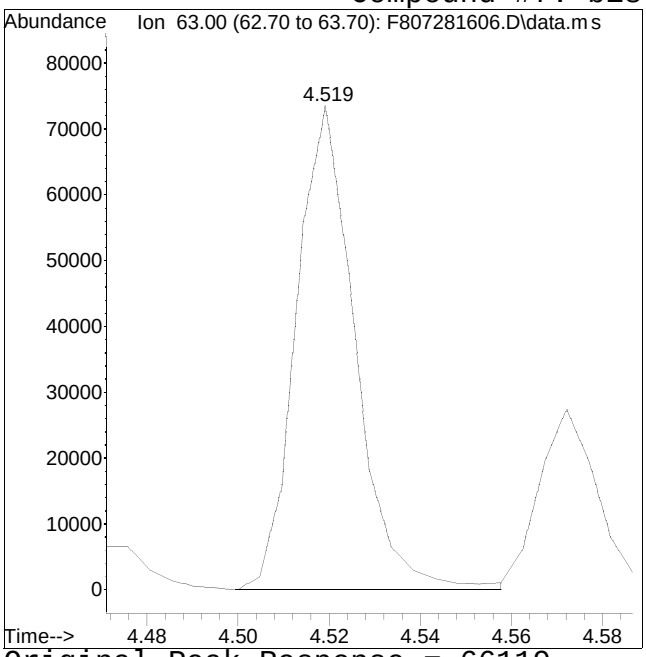
Sub List : Default - All compounds listed

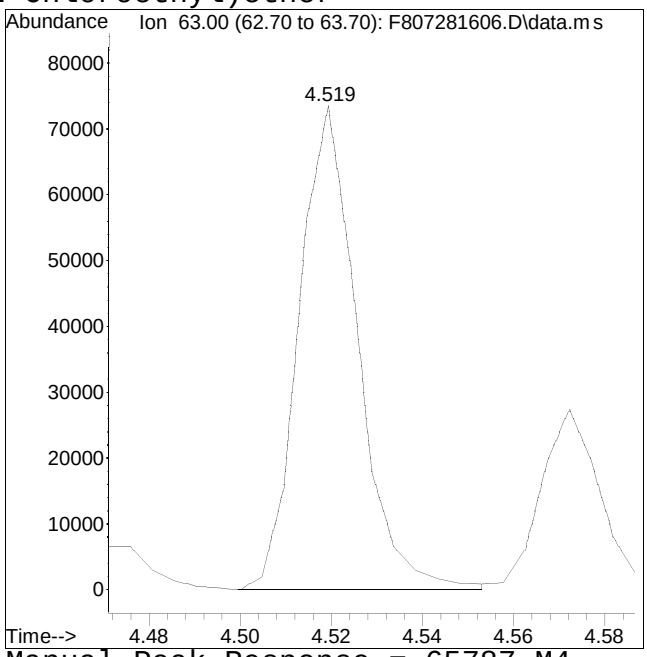


Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281606.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 1:34 pm Instrument : BNA8
Sample : I807281602 Quant Date : 8/10/2016 9:43 am

Compound #7: bis(2-Chloroethyl)ether





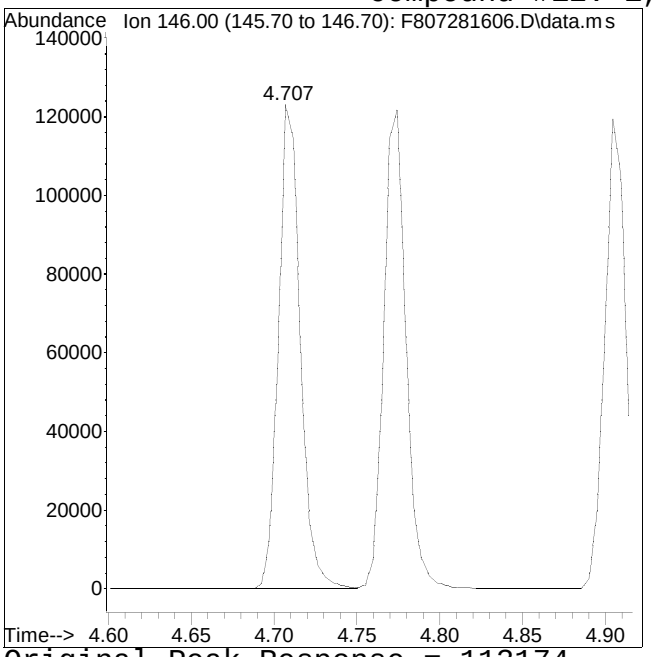
Original Peak Response = 66119 Manual Peak Response = 65787 M4
M4 = Poor automated baseline construction.

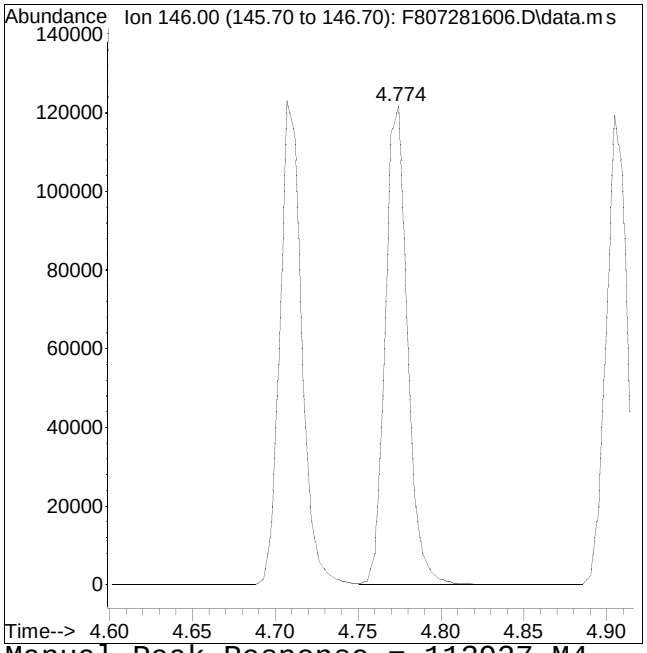
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\
Data File : F807281606.D
Date Inj'd : 7/28/2016 1:34 pm
Sample : I807281602

QMethod : SV0728BNA8.M
Operator : BNA8:SF
Instrument : BNA8
Quant Date : 8/10/2016 9:43 am

Compound #12: 1,4-Dichlorobenzene





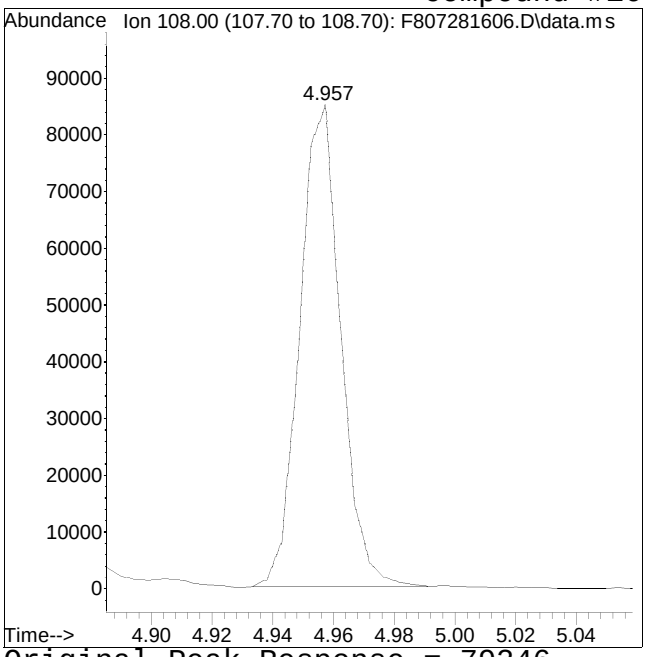
Original Peak Response = 113174 Manual Peak Response = 113927 M4

M4 = Poor automated baseline construction.

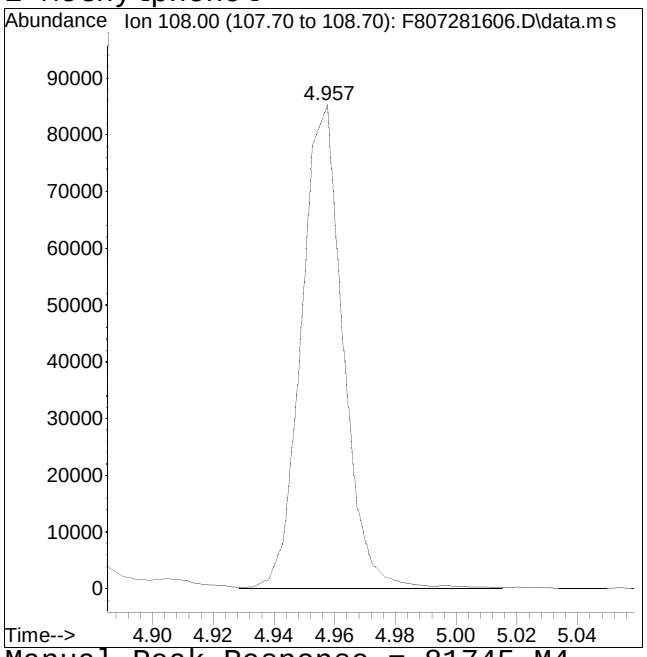
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281606.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 1:34 pm Instrument : BNA8
Sample : I807281602 Quant Date : 8/10/2016 9:43 am

Compound #16: 2-Methylphenol



Original Peak Response = 79246



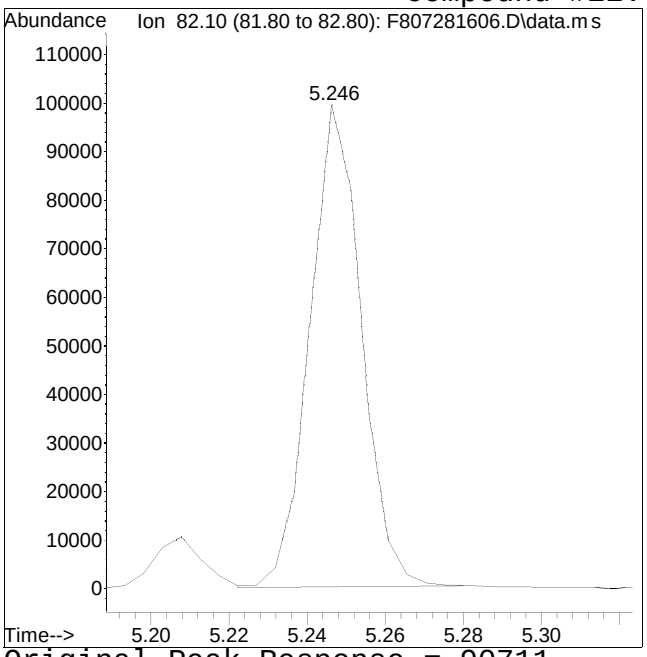
Manual Peak Response = 81745 M4

M4 = Poor automated baseline construction.

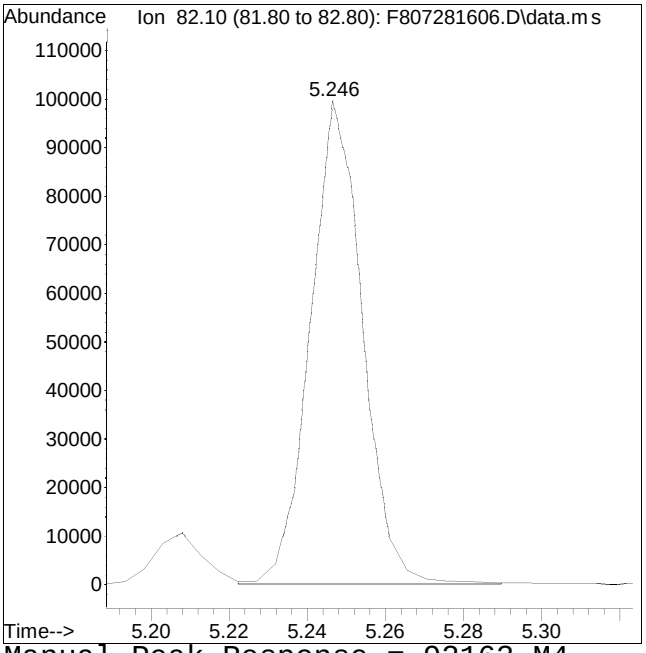
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281606.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 1:34 pm Instrument : BNA8
Sample : I807281602 Quant Date : 8/10/2016 9:43 am

Compound #22: Nitrobenzene-d5



Original Peak Response = 90711



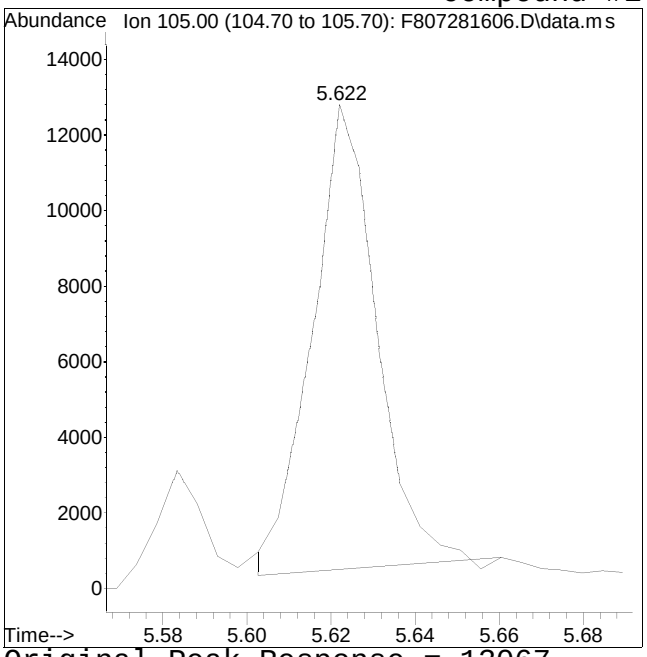
Manual Peak Response = 92163 M4

M4 = Poor automated baseline construction.

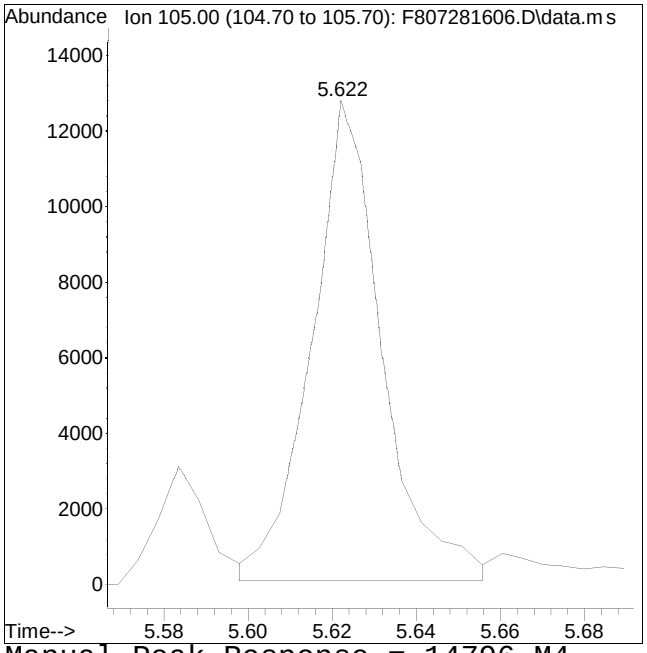
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281606.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 1:34 pm Instrument : BNA8
Sample : I807281602 Quant Date : 8/10/2016 9:43 am

Compound #27: Benzoic acid



Original Peak Response = 13067



Manual Peak Response = 14796 M4

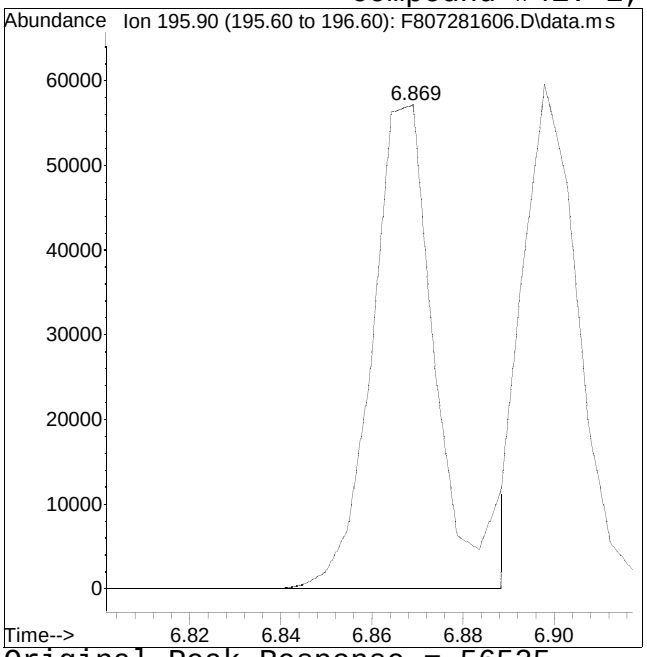
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

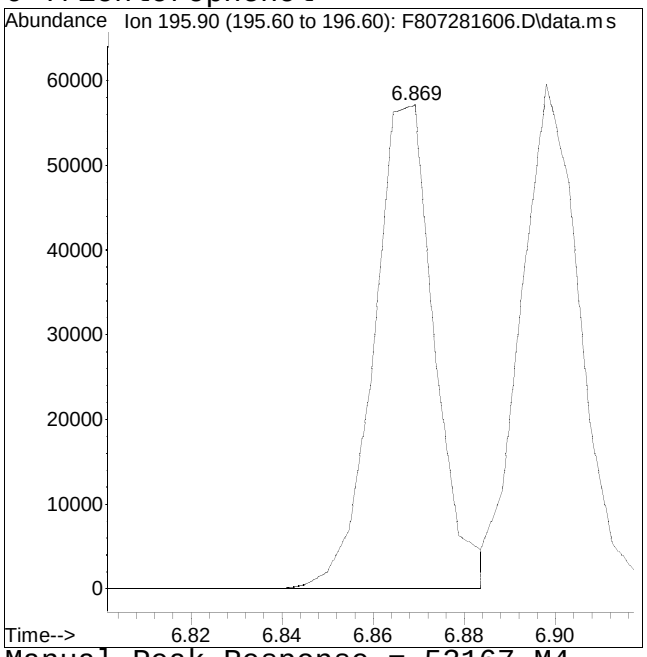
Data Path : O:\Organics\DATA\BNA8\2016\
Data File : F807281606.D
Date Inj'd : 7/28/2016 1:34 pm
Sample : I807281602

QMethod : SV0728BNA8.M
Operator : BNA8:SF
Instrument : BNA8
Quant Date : 8/10/2016 9:43 am

Compound #41: 2,4,6-Trichlorophenol



Original Peak Response = 56525



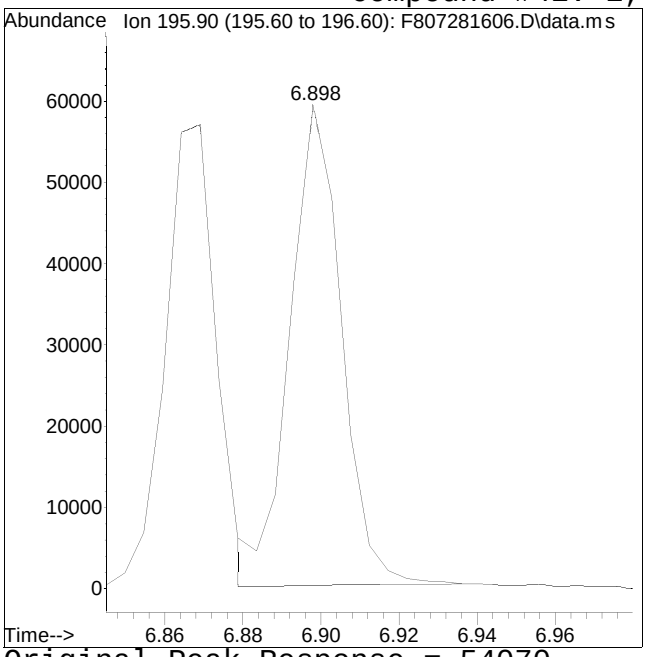
Manual Peak Response = 53167 M4

M4 = Poor automated baseline construction.

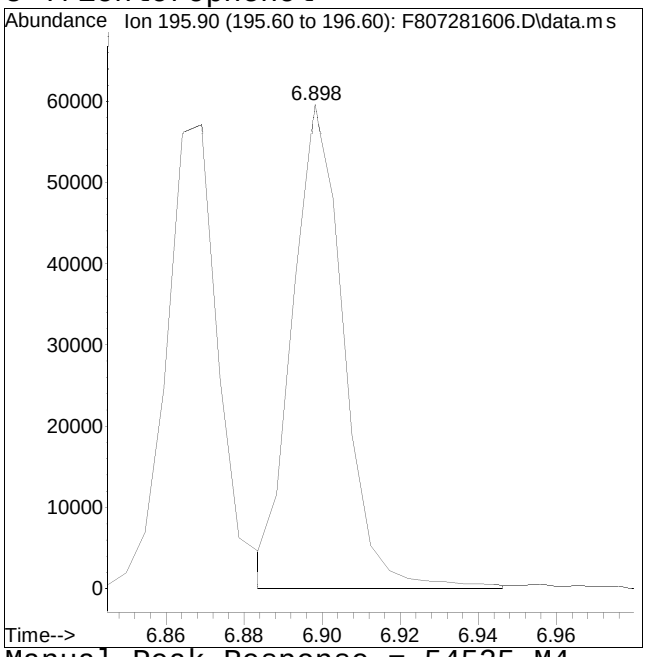
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281606.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 1:34 pm Instrument : BNA8
Sample : I807281602 Quant Date : 8/10/2016 9:43 am

Compound #42: 2,4,5-Trichlorophenol



Original Peak Response = 54070



Manual Peak Response = 54525 M4

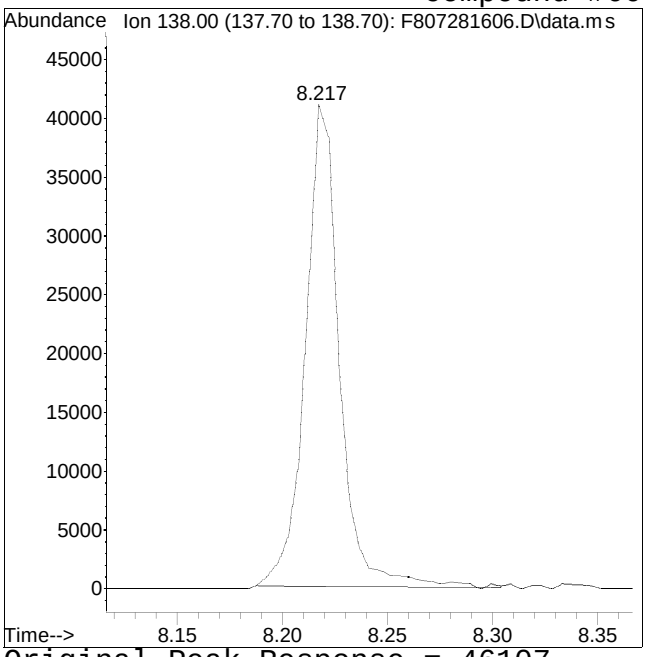
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

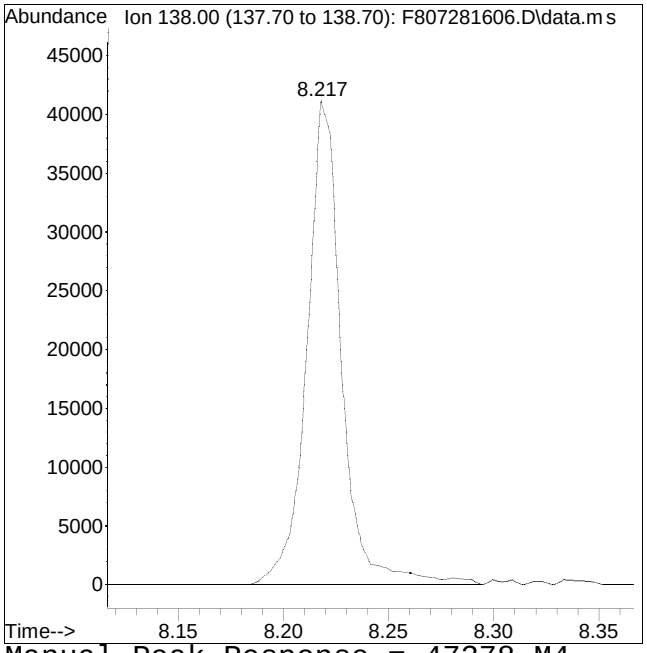
Data Path : O:\Organics\DATA\BNA8\2016\
Data File : F807281606.D
Date Inj'd : 7/28/2016 1:34 pm
Sample : I807281602

QMethod : SV0728BNA8.M
Operator : BNA8:SF
Instrument : BNA8
Quant Date : 8/10/2016 9:43 am

Compound #60: 4-Nitroaniline



Original Peak Response = 46107



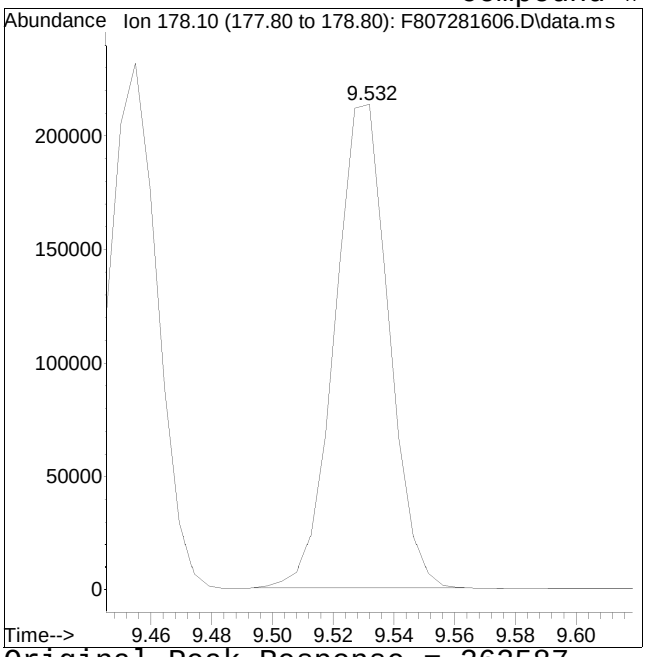
Manual Peak Response = 47378 M4

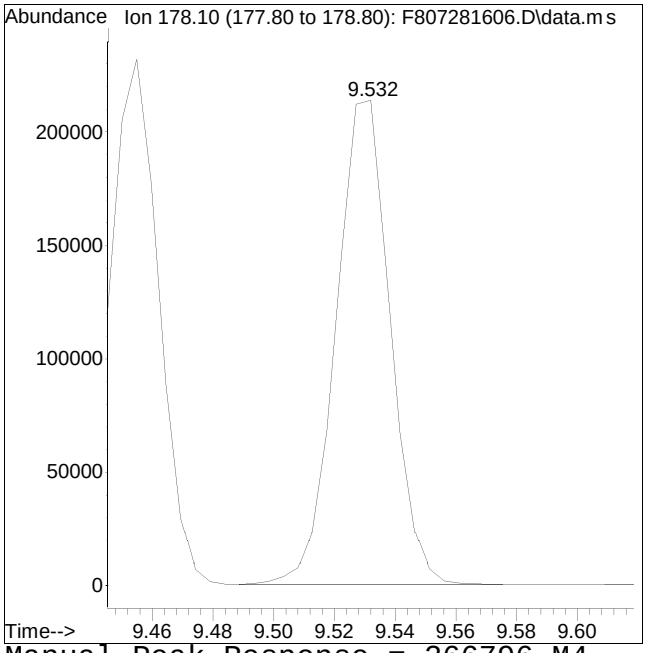
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281606.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 1:34 pm Instrument : BNA8
Sample : I807281602 Quant Date : 8/10/2016 9:43 am

Compound #72: Anthracene



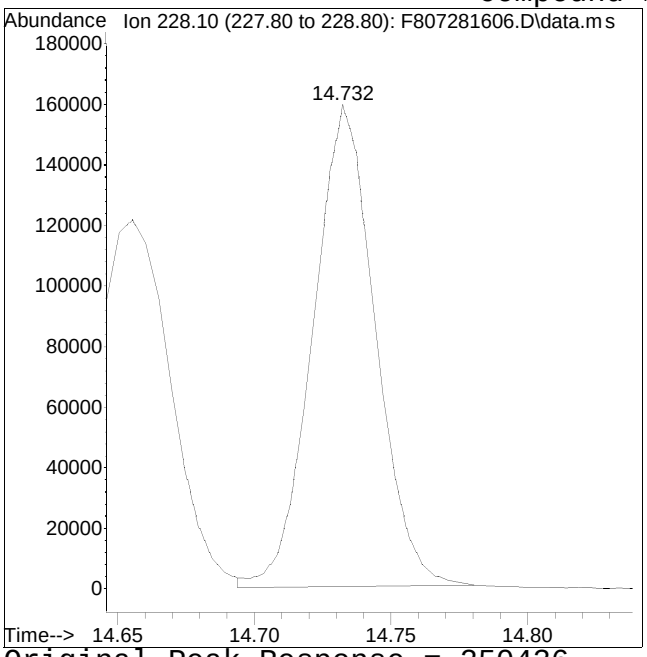


Original Peak Response = 262587 Manual Peak Response = 266796 M4
M4 = Poor automated baseline construction.

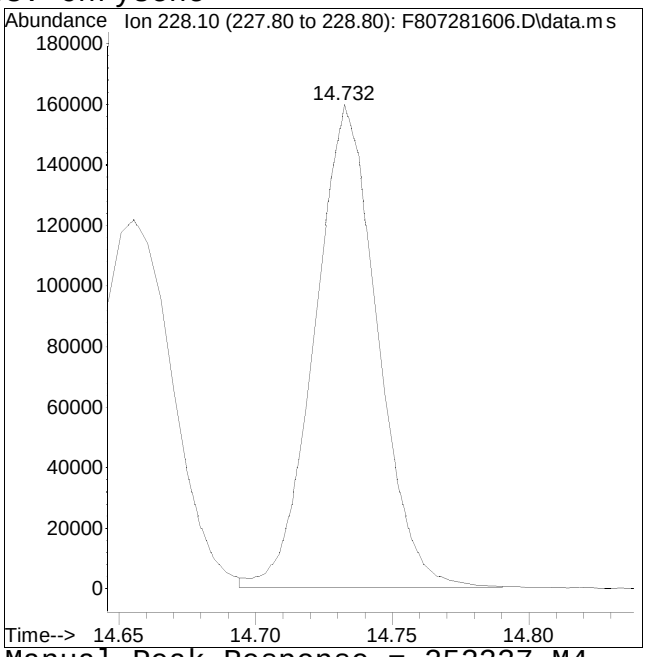
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281606.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 1:34 pm Instrument : BNA8
Sample : I807281602 Quant Date : 8/10/2016 9:43 am

Compound #83: Chrysene



Original Peak Response = 250436



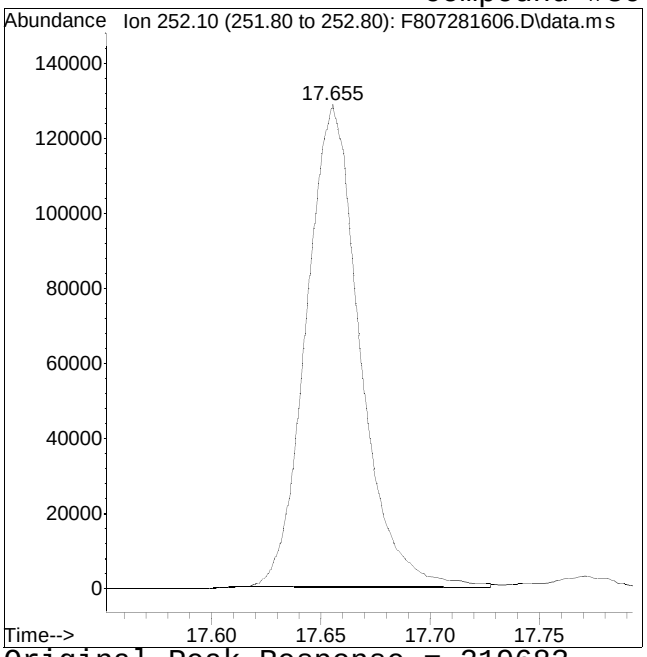
Manual Peak Response = 252337 M4

M4 = Poor automated baseline construction.

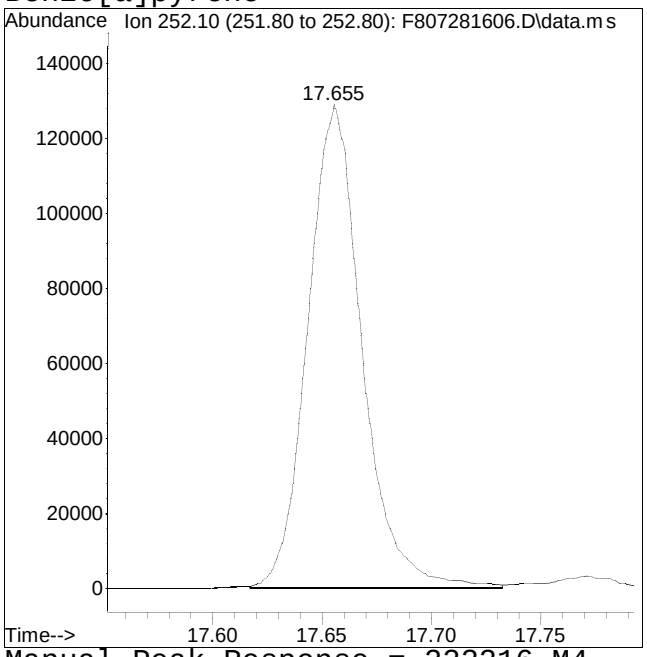
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281606.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 1:34 pm Instrument : BNA8
Sample : I807281602 Quant Date : 8/10/2016 9:43 am

Compound #89: Benzo[a]pyrene



Original Peak Response = 219683



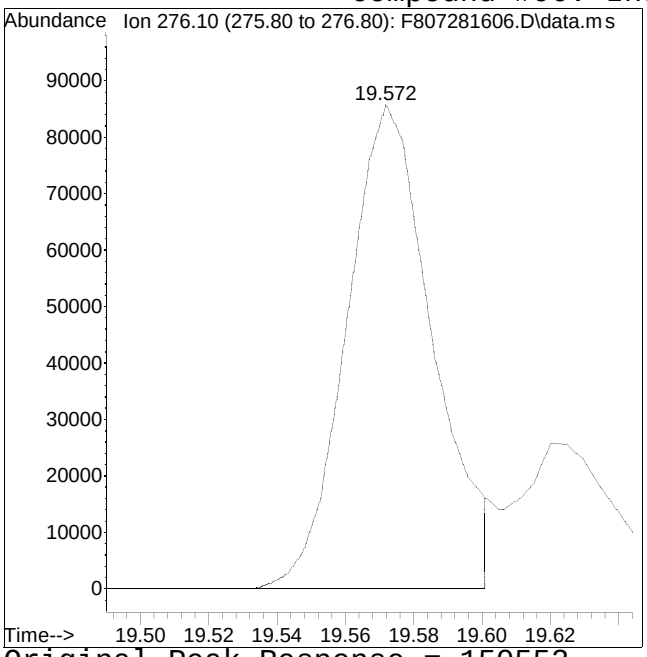
Manual Peak Response = 222216 M4

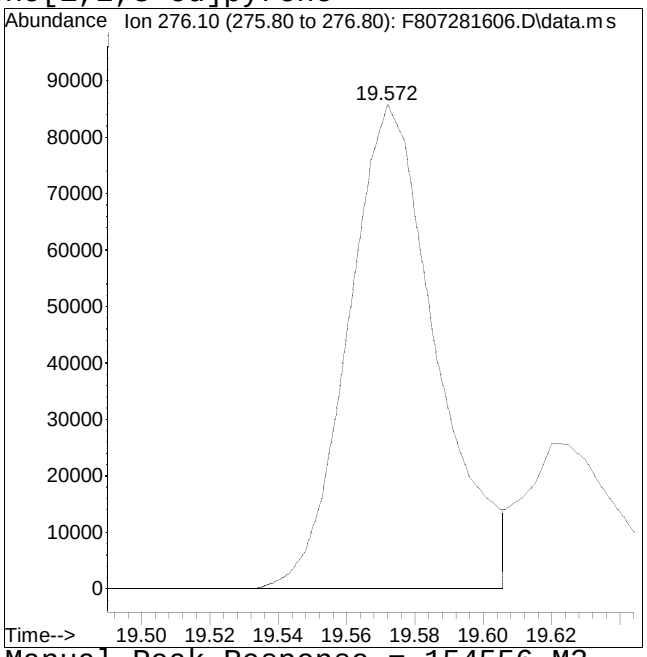
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281606.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 1:34 pm Instrument : BNA8
Sample : I807281602 Quant Date : 8/10/2016 9:43 am

Compound #90: Indeno[1,2,3-cd]pyrene



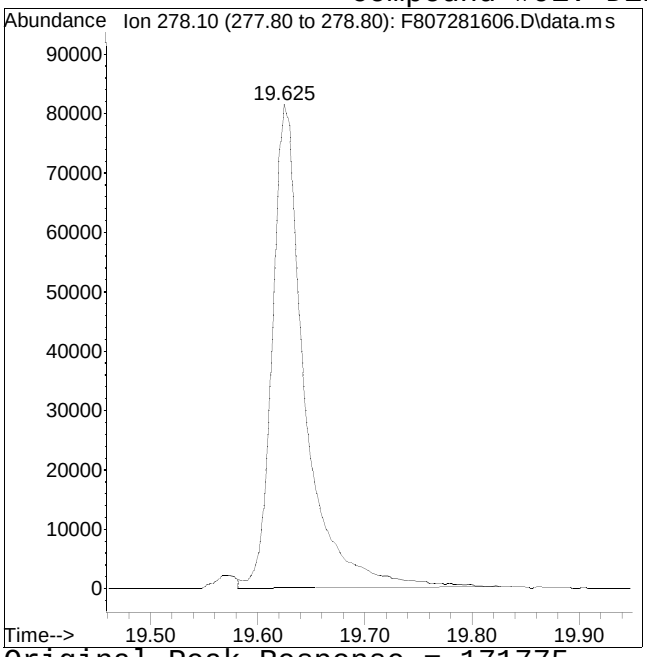


Original Peak Response = 150552 Manual Peak Response = 154556 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

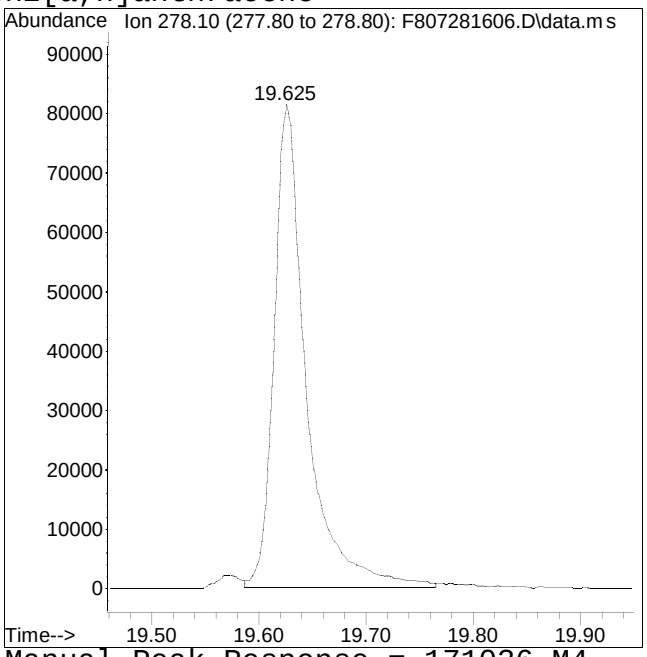
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281606.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 1:34 pm Instrument : BNA8
Sample : I807281602 Quant Date : 8/10/2016 9:43 am

Compound #91: Dibenz[a,h]anthracene



Original Peak Response = 171775



Manual Peak Response = 171036 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281607.D
Acq On : 28 Jul 2016 2:06 pm
Operator : BNA8:SF
Sample : I807281603
Misc : WG919318,MSAK10
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 03 12:30:10 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.760	152	380346	5.000	ug/mL	0.00
21) Naphthalene-d8	5.921	136	1442544	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.616	164	689182	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.421	188	1267914	5.000	ug/mL	0.00
76) Chrysene-d12	14.680	240	1184894	5.000	ug/mL	0.00
85) Perylene-d12	17.776	264	1087338	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.701	112	188343	1.900	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery =	9.50%#		
8) Phenol-d5	4.418	99	227401	1.882	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery =	9.41%#		
22) Nitrobenzene-d5	5.251	82	186540M4	1.937	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery =	9.69%#		
43) 2-Fluorobiphenyl	6.951	172	387502	1.885	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery =	9.43%#		
65) 2,4,6-Tribromophenol	8.487	330	33887	1.745	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery =	8.73%#		
79) Terphenyl-d14	12.359	244	346336	1.823	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery =	9.12%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.795	74	103108M4	1.931	ug/mL	
3) Pyridine	2.824	79	205511	2.019	ug/mL	99
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.476	93	290132M4	2.067	ug/ml	
7) bis(2-Chloroethyl)ether	4.519	63	132172	1.957	ug/mL	95
9) Phenol	4.428	94	245229M4	1.870	ug/mL	
10) 2-Chlorophenol	4.577	128	206356	1.888	ug/mL	95
11) 1,3-Dichlorobenzene	4.712	146	227432	1.913	ug/mL	99
12) 1,4-Dichlorobenzene	4.774	146	230789M4	1.961	ug/mL	
13) 1,2-Dichlorobenzene	4.909	146	218149	1.940	ug/mL	99
14) Benzyl alcohol	4.866	108	123619	1.864	ug/mL	89
15) bis(2-chloroisopropyl)eth	4.986	45	240432	2.006	ug/mL	98
16) 2-Methylphenol	4.957	108	162525	1.935	ug/mL	99
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	5.208	117	91800	1.951	ug/mL	100
19) N-Nitroso-di-n-propylamin	5.107	70	129311	1.952	ug/mL	92
20) 4-Methylphenol	5.092	108	179102	1.940	ug/mL	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281607.D
Acq On : 28 Jul 2016 2:06 pm
Operator : BNA8:SF
Sample : I807281603
Misc : WG919318,MSAK10
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 03 12:30:10 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	5.266	77	191334	1.964	ug/mL	96
24) Isophorone	5.482	82	293623	1.923	ug/mL	98
25) 2-Nitrophenol	5.559	139	106091	1.991	ug/mL#	75
26) 2,4-Dimethylphenol	5.583	107	175001	2.489	ug/mL	96
27) Benzoic acid	5.636	105	57477M4	0.860	ug/mL	
28) bis(2-Chloroethoxy)methan	5.680	93	220173	1.935	ug/mL	97
29) 2,4-Dichlorophenol	5.776	162	158587	1.873	ug/mL	99
30) 1,2,4-Trichlorobenzene	5.863	180	171466	1.894	ug/mL	99
31) Naphthalene	5.940	128	566673	2.001	ug/mL	100
32) 2-Chloroaniline	5.526	127	282439	1.986	ug/ml	99
33) 4-Chloroaniline	5.983	127	243394M4	2.024	ug/mL	
34) Hexachlorobutadiene	6.051	225	87061	1.889	ug/mL	98
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	6.441	107	149668	1.843	ug/mL	98
37) 2-Methylnaphthalene	6.599	142	374490	1.918	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.758	216	165928	1.968	ug/mL	100
40) Hexachlorocyclopentadiene	6.749	237	74777	1.699	ug/mL	98
41) 2,4,6-Trichlorophenol	6.869	196	109045M4	1.724	ug/mL	
42) 2,4,5-Trichlorophenol	6.898	196	112623M4	1.929	ug/mL	
44) Biphenyl	0.000		0	N.D.		
45) 2-Chloronaphthalene	7.071	162	348671	1.908	ug/mL	99
46) 2-Nitroaniline	7.168	65	92392	1.963	ug/mL	85
47) Acenaphthylene	7.476	152	569840	1.959	ug/mL	99
48) Dimethylphthalate	7.346	163	358077	1.819	ug/mL	99
49) 2,6-Dinitrotoluene	7.404	165	81068	1.900	ug/mL	98
50) Acenaphthene	7.649	153	352329	1.957	ug/mL	99
51) 3-Nitroaniline	7.567	138	95088	1.842	ug/mL	86
52) 2,4-Dinitrophenol	7.678	184	44596	2.155	ug/mL#	54
53) Dibenzofuran	7.827	168	465812	1.906	ug/mL	99
54) 2,3,4,6-Tetrachlorophenol	7.957	232	75716	1.786	ug/mL	99
55) 2,4-Dinitrotoluene	7.808	165	109456	1.913	ug/mL#	71
56) 4-Nitrophenol	7.731	109	44746	1.731	ug/mL	93
57) Fluorene	8.203	166	375331	1.978	ug/mL	100
58) 4-Chlorophenyl-phenylethe	8.203	204	171074	1.930	ug/mL	98
59) Diethylphthalate	8.073	149	375083	1.866	ug/mL	99
60) 4-Nitroaniline	8.222	138	97611	1.819	ug/mL	94
62) 4,6-Dinitro-2-methylpheno	8.256	198	61920	1.777	ug/mL#	99
63) Azobenzene	8.391	182	102634	1.902	ug/mL	86
64) n-Nitrosodiphenylamine	8.338	169	260136	1.867	ug/mL	98
66) 4-Bromophenyl-phenylether	8.800	248	89688	1.849	ug/mL	97
67) Hexachlorobenzene	8.872	284	91468	1.854	ug/mL	95

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281607.D
Acq On : 28 Jul 2016 2:06 pm
Operator : BNA8:SF
Sample : I807281603
Misc : WG919318,MSAK10
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 03 12:30:10 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Atrazine	0.000		0	N.D. d		
69) Pentachlorophenol	9.142	266	60070M4	1.537	ug/mL	
70) Pentachloronitrobenzene	9.161	237	38280	1.954	ug/ml	95
71) Phenanthrene	9.455	178	546221	1.947	ug/mL	99
72) Anthracene	9.532	178	542694	1.982	ug/mL	99
73) Carbazole	9.782	167	526454	1.911	ug/mL	99
74) Di-n-butylphthalate	10.408	149	630298	1.974	ug/mL	99
75) Fluoranthene	11.511	202	580520	1.965	ug/mL	97
77) Benzidine	0.000		0	N.D.		
78) Pyrene	11.954	202	588714	1.857	ug/mL	98
80) Butylbenzylphthalate	13.538	149	268458	1.811	ug/mL	94
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	14.656	228	489149	1.773	ug/mL	99
83) Chrysene	14.737	228	522588M4	1.881	ug/mL	
84) bis(2-Ethylhexyl)phthalat	15.012	149	354587	1.835	ug/mL	99
86) Di-n-octylphthalate	16.524	149	554247	1.830	ug/mL	98
87) Benzo[b]fluoranthene	17.034	252	465717	1.861	ug/mL	99
88) Benzo[k]fluoranthene	17.092	252	487974	1.944	ug/mL	99
89) Benzo[a]pyrene	17.660	252	465321	1.944	ug/mL	99
90) Indeno[1,2,3-cd]pyrene	19.577	276	345290	1.794	ug/mL	98
91) Dibenz[a,h]anthracene	19.630	278	357160M4	1.799	ug/mL	
92) Benzo[g,h,i]perylene	19.996	276	418005	1.966	ug/mL	99

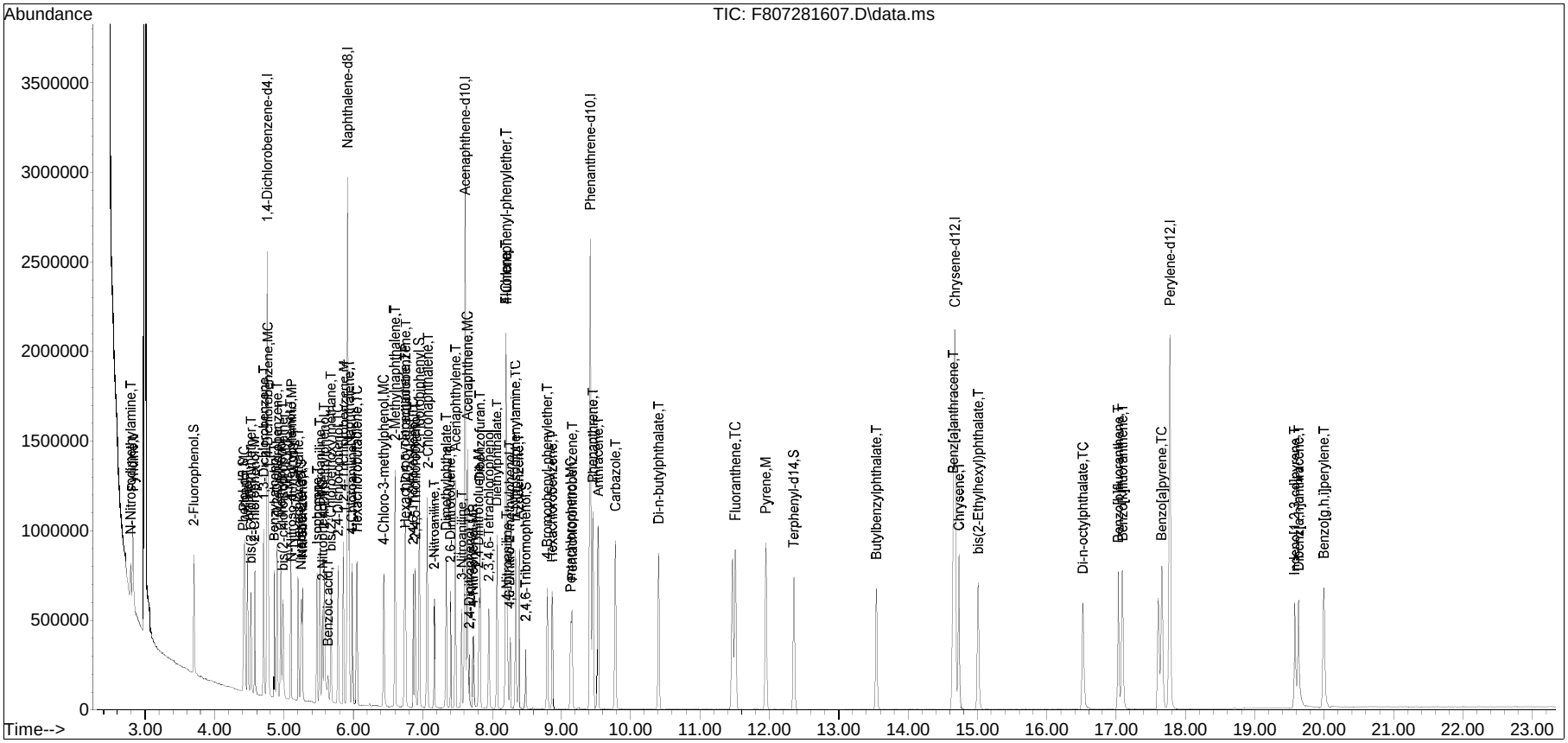
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281607.D
Acq On : 28 Jul 2016 2:06 pm
Operator : BNA8:SF
Sample : I807281603
Misc : WG919318,MSAK10
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 03 12:30:10 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

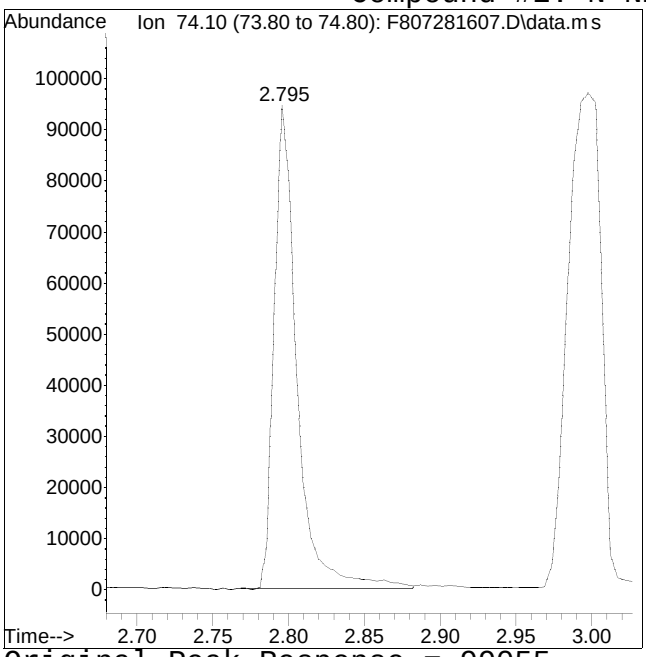
Sub List : Default - All compounds listed

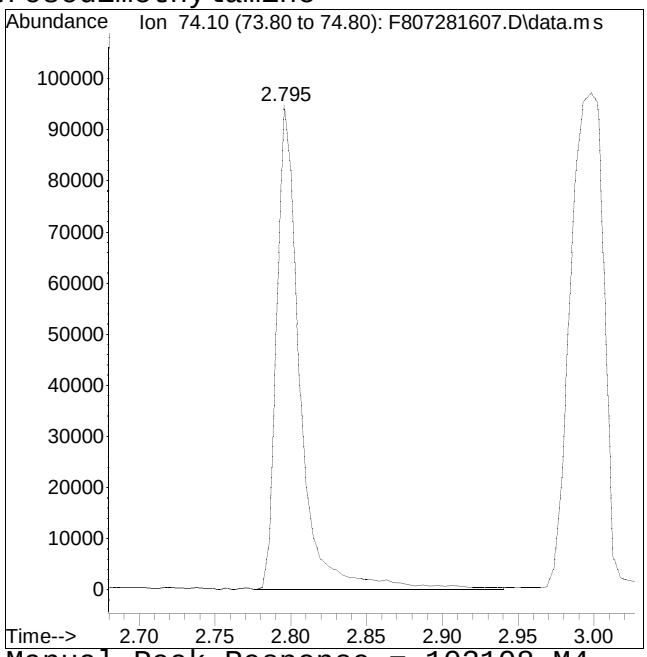


Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281607.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 2:06 pm Instrument : BNA8
Sample : I807281603 Quant Date : 8/1/2016 11:58 am

Compound #2: N-Nitrosodimethylamine



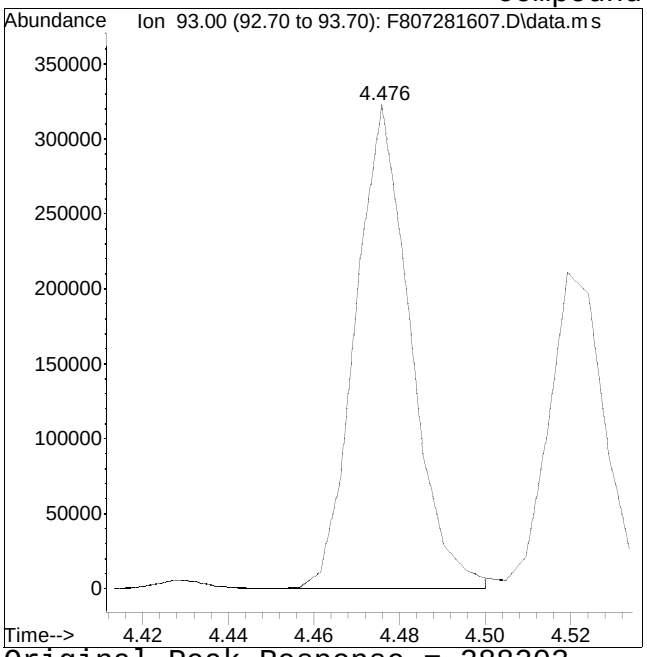


Original Peak Response = 99055 Manual Peak Response = 103108 M4
M4 = Poor automated baseline construction.

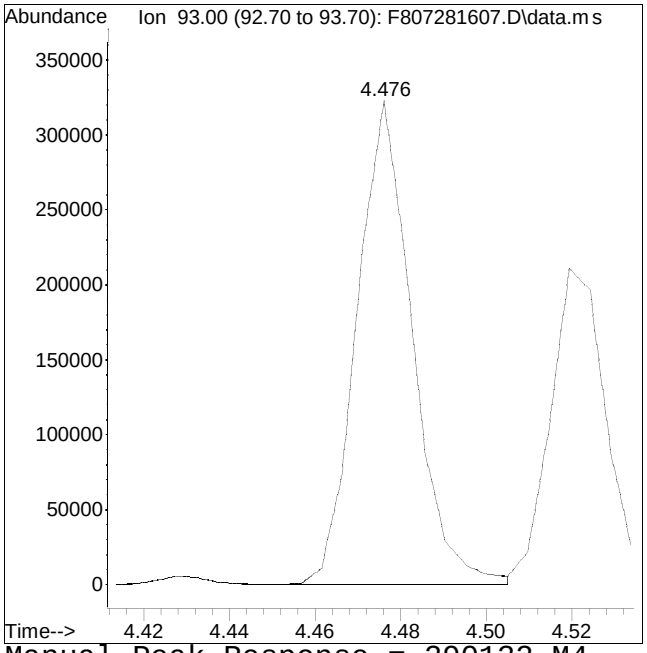
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281607.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 2:06 pm Instrument : BNA8
Sample : I807281603 Quant Date : 8/1/2016 11:58 am

Compound #6: Aniline



Original Peak Response = 288203



Manual Peak Response = 290132 M4

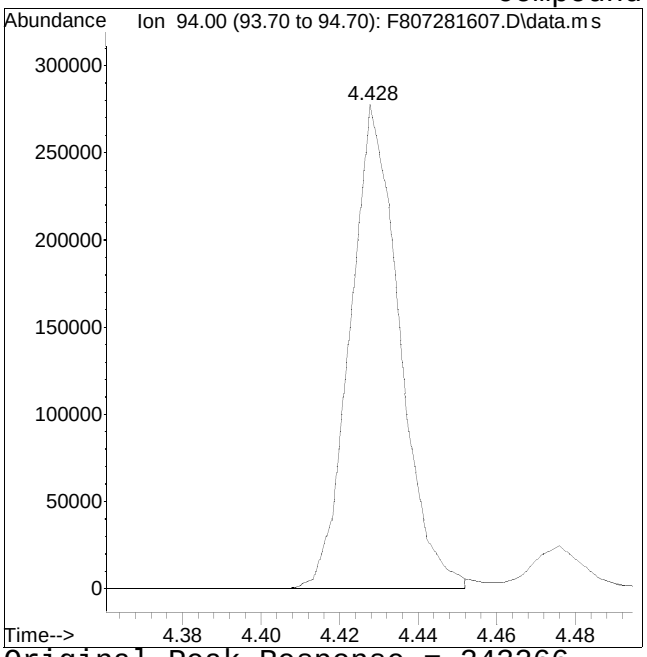
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

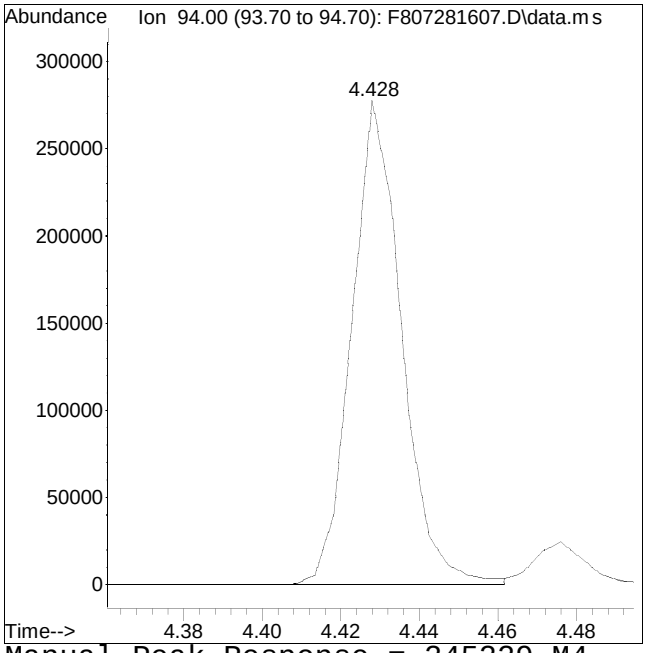
Data Path : O:\Organics\DATA\BNA8\2016\
Data File : F807281607.D
Date Inj'd : 7/28/2016 2:06 pm
Sample : I807281603

QMethod : SV0728BNA8.M
Operator : BNA8:SF
Instrument : BNA8
Quant Date : 8/1/2016 11:58 am

Compound #9: Phenol



Original Peak Response = 243266



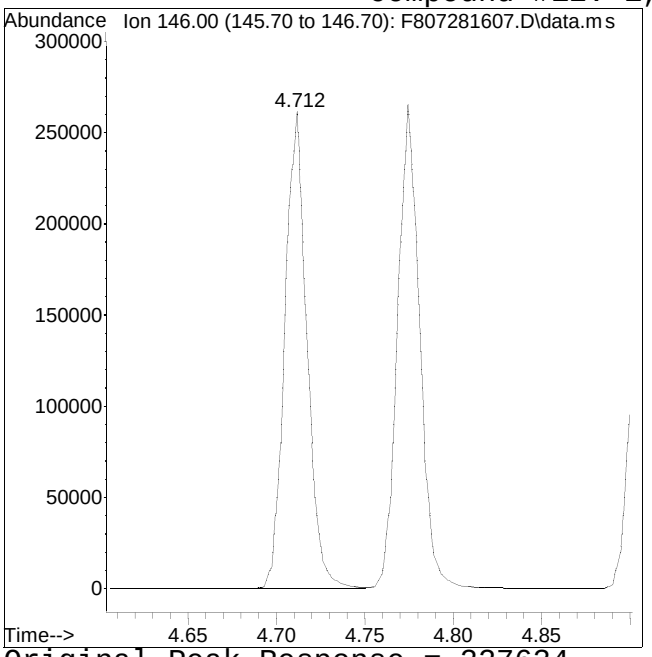
Manual Peak Response = 245229 M4

M4 = Poor automated baseline construction.

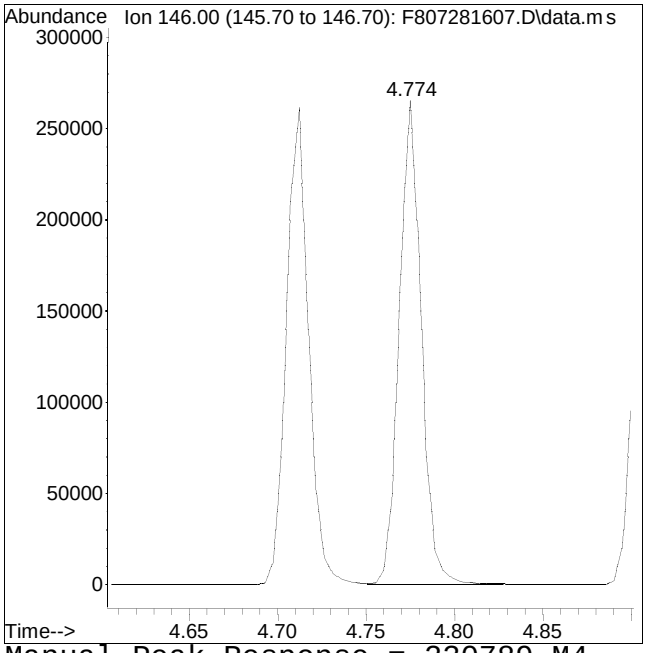
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281607.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 2:06 pm Instrument : BNA8
Sample : I807281603 Quant Date : 8/1/2016 11:58 am

Compound #12: 1,4-Dichlorobenzene



Original Peak Response = 227634



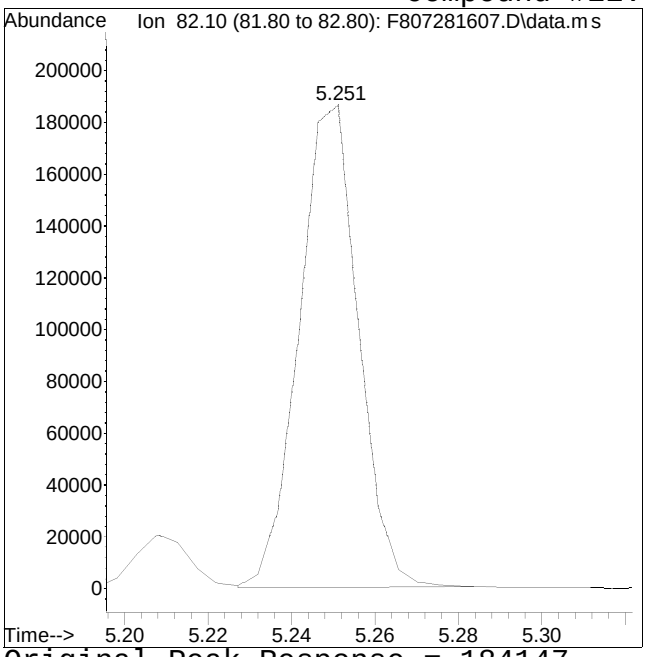
Manual Peak Response = 230789 M4

M4 = Poor automated baseline construction.

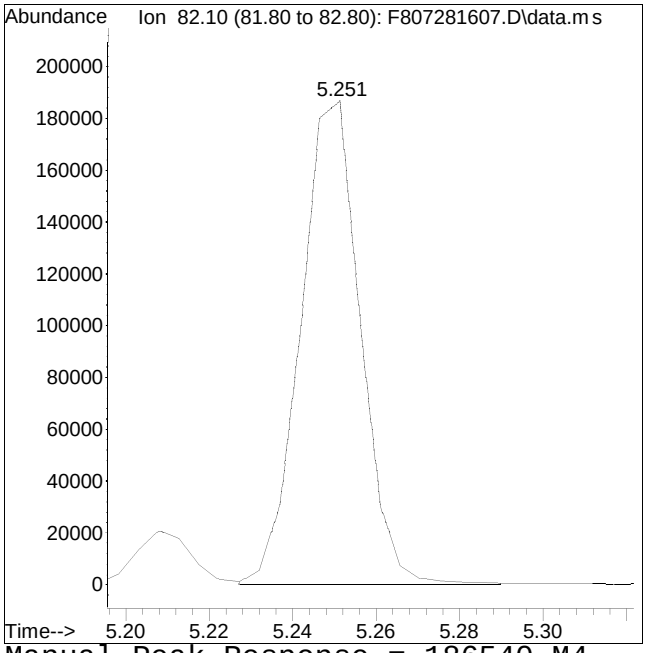
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281607.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 2:06 pm Instrument : BNA8
Sample : I807281603 Quant Date : 8/1/2016 11:58 am

Compound #22: Nitrobenzene-d5



Original Peak Response = 184147



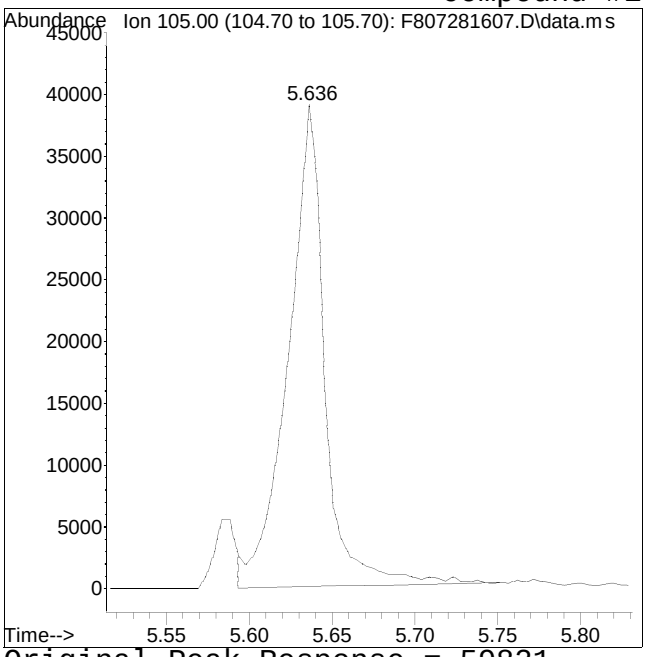
Manual Peak Response = 186540 M4

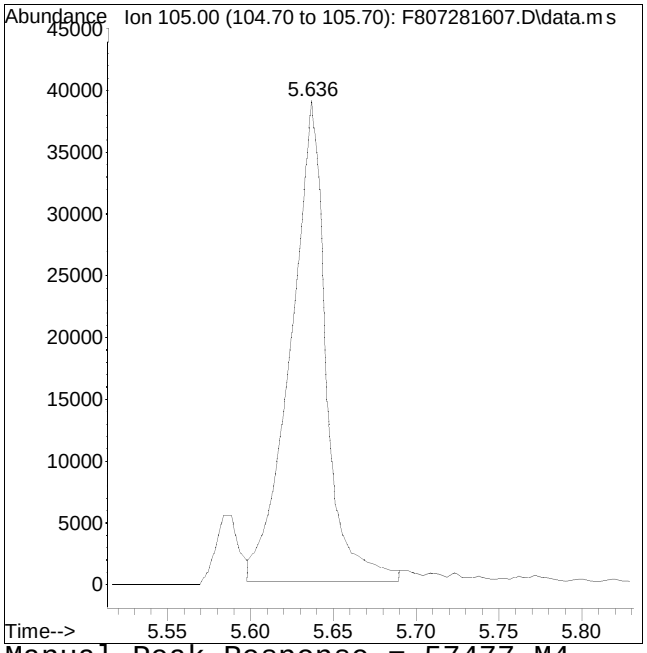
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281607.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 2:06 pm Instrument : BNA8
Sample : I807281603 Quant Date : 8/1/2016 11:58 am

Compound #27: Benzoic acid





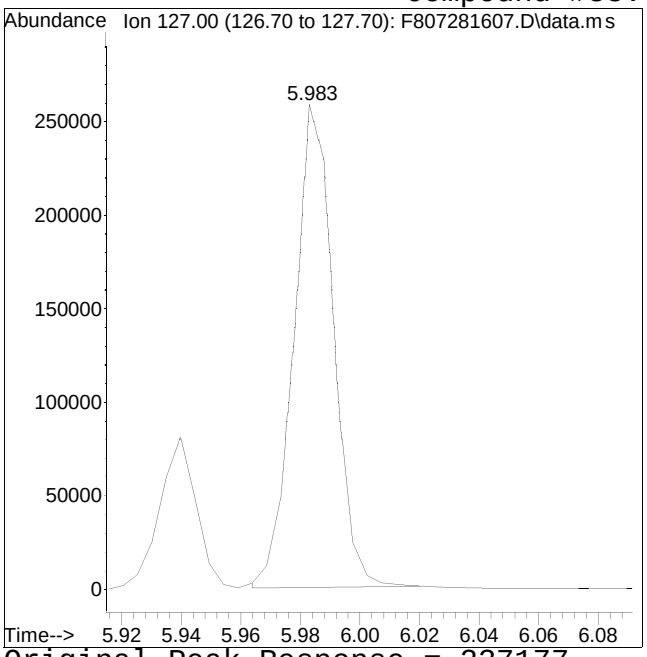
Original Peak Response = 59821 Manual Peak Response = 57477 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

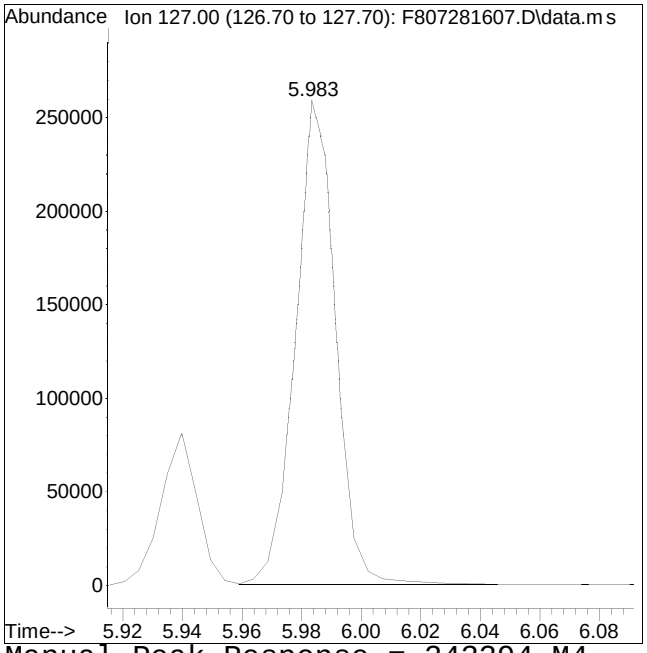
Data Path : O:\Organics\DATA\BNA8\2016\
Data File : F807281607.D
Date Inj'd : 7/28/2016 2:06 pm
Sample : I807281603

QMethod : SV0728BNA8.M
Operator : BNA8:SF
Instrument : BNA8
Quant Date : 8/1/2016 11:58 am

Compound #33: 4-Chloroaniline



Original Peak Response = 237177



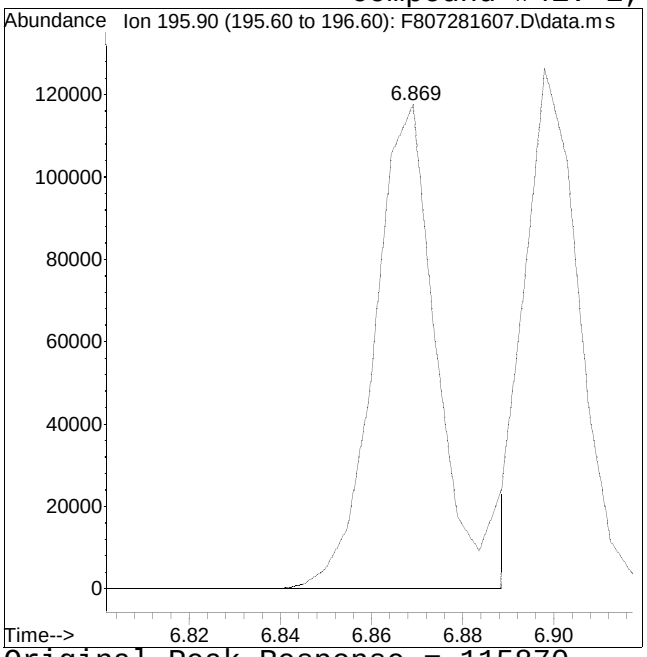
Manual Peak Response = 243394 M4

M4 = Poor automated baseline construction.

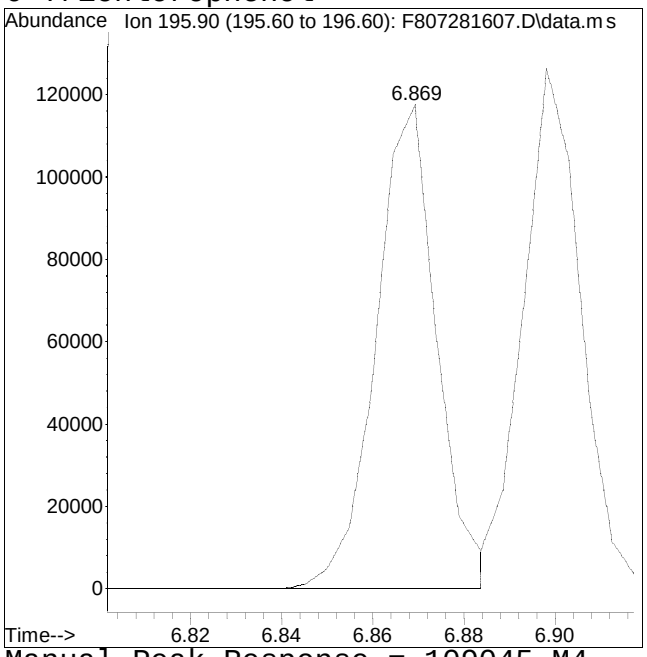
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281607.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 2:06 pm Instrument : BNA8
Sample : I807281603 Quant Date : 8/1/2016 11:58 am

Compound #41: 2,4,6-Trichlorophenol



Original Peak Response = 115870



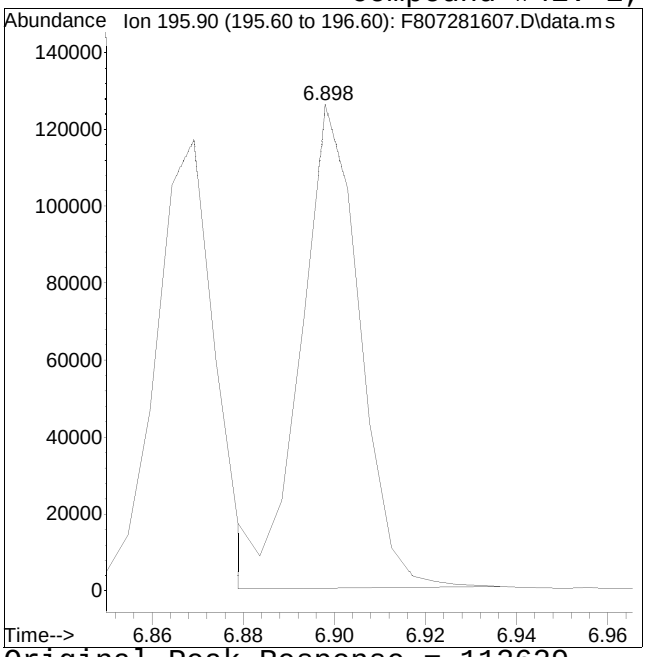
Manual Peak Response = 109045 M4

M4 = Poor automated baseline construction.

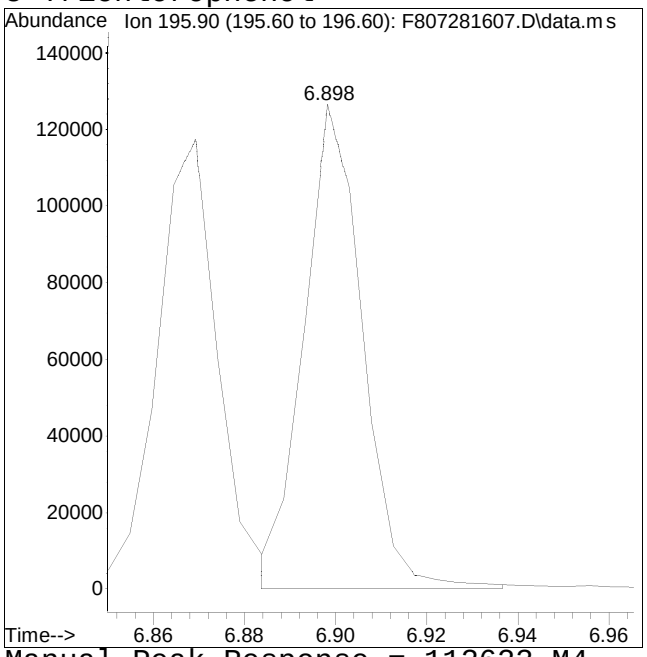
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281607.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 2:06 pm Instrument : BNA8
Sample : I807281603 Quant Date : 8/1/2016 11:58 am

Compound #42: 2,4,5-Trichlorophenol



Original Peak Response = 112629



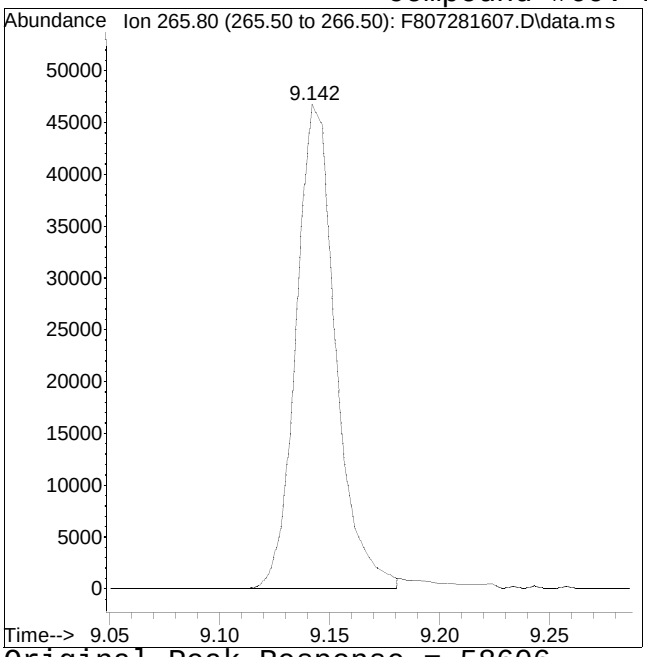
Manual Peak Response = 112623 M4

M4 = Poor automated baseline construction.

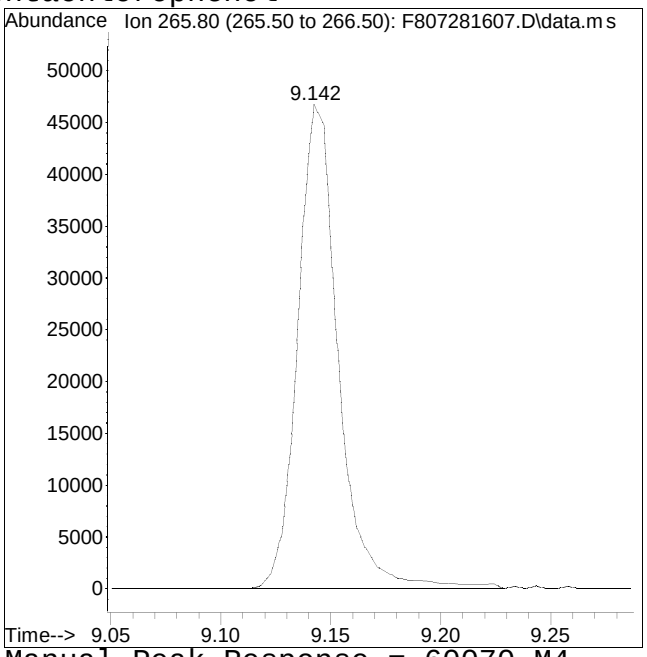
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281607.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 2:06 pm Instrument : BNA8
Sample : I807281603 Quant Date : 8/1/2016 11:58 am

Compound #69: Pentachlorophenol



Original Peak Response = 58606



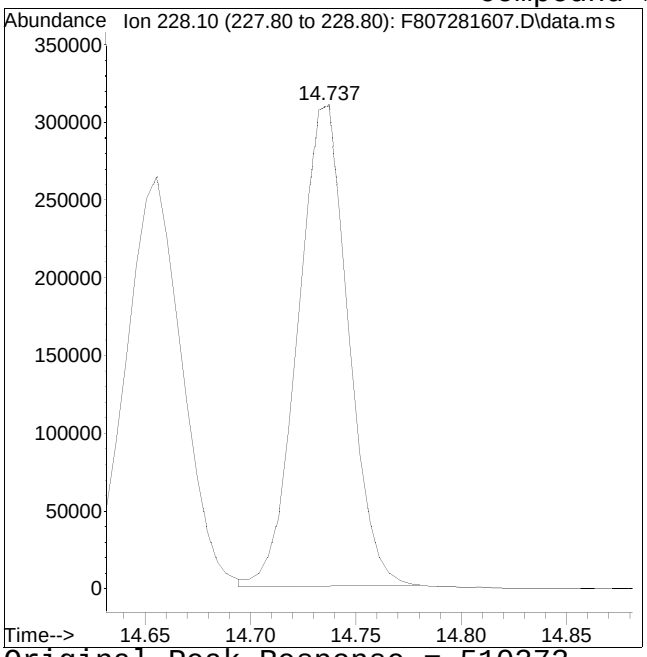
Manual Peak Response = 60070 M4

M4 = Poor automated baseline construction.

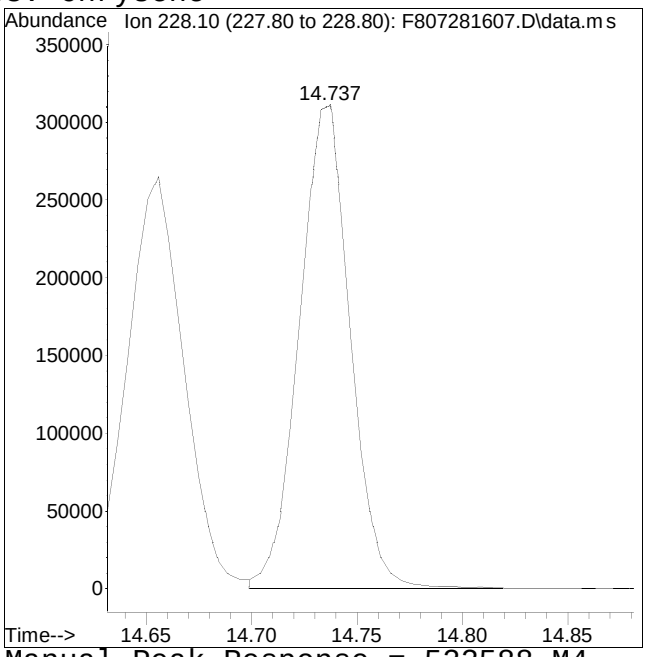
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281607.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 2:06 pm Instrument : BNA8
Sample : I807281603 Quant Date : 8/1/2016 11:58 am

Compound #83: Chrysene



Original Peak Response = 510373



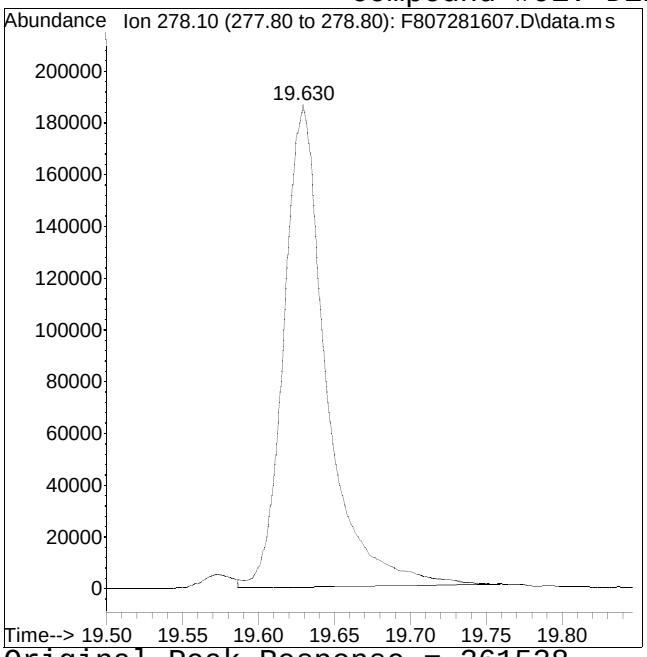
Manual Peak Response = 522588 M4

M4 = Poor automated baseline construction.

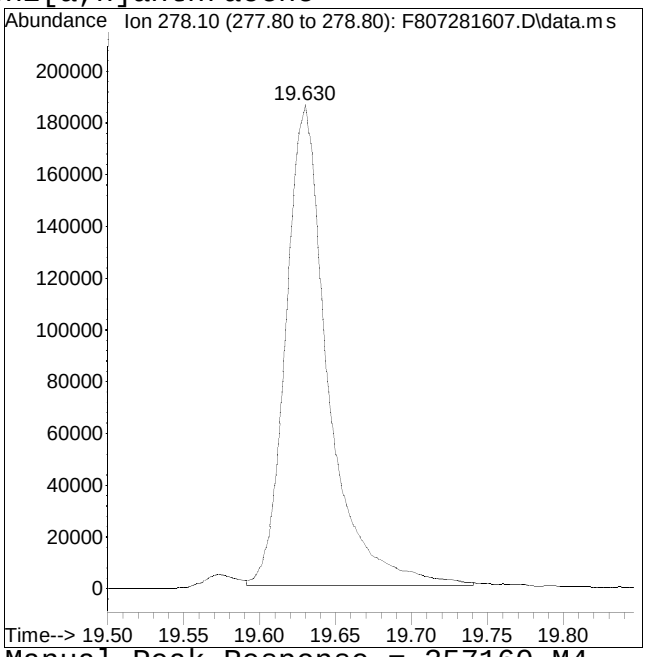
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281607.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 2:06 pm Instrument : BNA8
Sample : I807281603 Quant Date : 8/1/2016 11:58 am

Compound #91: Dibenz[a,h]anthracene



Original Peak Response = 361538



Manual Peak Response = 357160 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281608.D
Acq On : 28 Jul 2016 2:40 pm
Operator : BNA8:SF
Sample : I807281604
Misc : WG919318,MSAK09
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 03 12:30:39 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.760	152	339890	5.000	ug/mL	0.00
21) Naphthalene-d8	5.920	136	1296510	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.615	164	616021	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.421	188	1158269	5.000	ug/mL	0.00
76) Chrysene-d12	14.679	240	1099551	5.000	ug/mL	0.00
85) Perylene-d12	17.776	264	1020219	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.700	112	406912	4.593	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 22.97%			
8) Phenol-d5	4.423	99	500946	4.639	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 23.20%			
22) Nitrobenzene-d5	5.251	82	403917	4.668	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 23.34%#			
43) 2-Fluorobiphenyl	6.951	172	849408	4.622	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 23.11%#			
65) 2,4,6-Tribromophenol	8.487	330	77807	4.385	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 21.93%			
79) Terphenyl-d14	12.358	244	792737	4.495	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 22.48%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.805	74	215976M4	4.526	ug/mL	
3) Pyridine	2.819	79	401107	4.411	ug/mL	98
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.481	93	631757M4	5.488	ug/ml	
7) bis(2-Chloroethyl)ether	4.524	63	279158	4.624	ug/mL	98
9) Phenol	4.432	94	528464	4.510	ug/mL#	90
10) 2-Chlorophenol	4.577	128	449057	4.596	ug/mL	96
11) 1,3-Dichlorobenzene	4.712	146	494183	4.651	ug/mL	100
12) 1,4-Dichlorobenzene	4.774	146	496523M4	4.720	ug/mL	
13) 1,2-Dichlorobenzene	4.909	146	471890	4.697	ug/mL	100
14) Benzyl alcohol	4.871	108	271784	4.585	ug/mL	88
15) bis(2-chloroisopropyl)eth	4.991	45	512855	4.788	ug/mL#	64
16) 2-Methylphenol	4.957	108	351220	4.680	ug/mL	99
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	5.208	117	200858	4.777	ug/mL	98
19) N-Nitroso-di-n-propylamin	5.107	70	279197	4.716	ug/mL	94
20) 4-Methylphenol	5.097	108	384081	4.656	ug/mL	98
23) Nitrobenzene	5.270	77	412009	4.706	ug/mL	97

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281608.D
Acq On : 28 Jul 2016 2:40 pm
Operator : BNA8:SF
Sample : I807281604
Misc : WG919318,MSAK09
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 03 12:30:39 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.487	82	644724	4.699	ug/mL	99
25) 2-Nitrophenol	5.559	139	239132	4.994	ug/mL#	83
26) 2,4-Dimethylphenol	5.588	107	370499	5.862	ug/mL	99
27) Benzoic acid	5.660	105	200725M4	3.340	ug/mL	
28) bis(2-Chloroethoxy)methan	5.680	93	475371	4.648	ug/mL	99
29) 2,4-Dichlorophenol	5.781	162	353593	4.647	ug/mL	99
30) 1,2,4-Trichlorobenzene	5.863	180	372750	4.582	ug/mL	100
31) Naphthalene	5.940	128	1223165	4.805	ug/mL	100
32) 2-Chloroaniline	5.525	127	615660	4.816	ug/ml	99
33) 4-Chloroaniline	5.988	127	519533M4	4.808	ug/mL	
34) Hexachlorobutadiene	6.050	225	190867	4.609	ug/mL	99
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	6.440	107	335532	4.598	ug/mL	99
37) 2-Methylnaphthalene	6.599	142	819060	4.668	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.758	216	360221	4.779	ug/mL	100
40) Hexachlorocyclopentadiene	6.749	237	180007	4.576	ug/mL	99
41) 2,4,6-Trichlorophenol	6.869	196	245733M4	4.347	ug/mL	
42) 2,4,5-Trichlorophenol	6.903	196	255675M4	4.898	ug/mL	
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	7.071	162	753898	4.615	ug/mL	99
46) 2-Nitroaniline	7.167	65	205206	4.877	ug/mL	88
47) Acenaphthylene	7.476	152	1257126	4.836	ug/mL	99
48) Dimethylphthalate	7.346	163	804777	4.573	ug/mL	100
49) 2,6-Dinitrotoluene	7.408	165	193343	5.069	ug/mL	100
50) Acenaphthene	7.649	153	762076	4.736	ug/mL	98
51) 3-Nitroaniline	7.572	138	216012	4.682	ug/mL	85
52) 2,4-Dinitrophenol	7.678	184	129145	4.649	ug/mL#	63
53) Dibenzofuran	7.827	168	994365	4.552	ug/mL	100
54) 2,3,4,6-Tetrachlorophenol	7.957	232	174539	4.605	ug/mL	99
55) 2,4-Dinitrotoluene	7.813	165	251764	4.923	ug/mL#	73
56) 4-Nitrophenol	7.736	109	108245	4.686	ug/mL	94
57) Fluorene	8.208	166	816325	4.812	ug/mL	100
58) 4-Chlorophenyl-phenylethe	8.203	204	366349	4.625	ug/mL	98
59) Diethylphthalate	8.078	149	851548	4.740	ug/mL	99
60) 4-Nitroaniline	8.227	138	222902	4.647	ug/mL	97
62) 4,6-Dinitro-2-methylpheno	8.261	198	160022	5.028	ug/mL	99
63) Azobenzene	8.391	182	228241	4.630	ug/mL	87
64) n-Nitrosodiphenylamine	8.342	169	576983	4.532	ug/mL	98
66) 4-Bromophenyl-phenylether	8.805	248	200092	4.515	ug/mL	96
67) Hexachlorobenzene	8.877	284	203196	4.508	ug/mL	96
68) Atrazine	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281608.D
Acq On : 28 Jul 2016 2:40 pm
Operator : BNA8:SF
Sample : I807281604
Misc : WG919318,MSAK09
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 03 12:30:39 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	9.147	266	150254	4.208	ug/mL	97
70) Pentachloronitrobenzene	9.161	237	91821	5.129	ug/ml	93
71) Phenanthrene	9.455	178	1194092	4.660	ug/mL	100
72) Anthracene	9.532	178	1199791	4.795	ug/mL	99
73) Carbazole	9.787	167	1157896	4.602	ug/mL	99
74) Di-n-butylphthalate	10.408	149	1514822	5.195	ug/mL	99
75) Fluoranthene	11.511	202	1324346	4.907	ug/mL	96
77) Benzidine	0.000		0	N.D.		
78) Pyrene	11.959	202	1372212	4.664	ug/mL	98
80) Butylbenzylphthalate	13.543	149	690045	5.017	ug/mL	95
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	14.655	228	1181103	4.614	ug/mL	99
83) Chrysene	14.742	228	1187592M4	4.605	ug/mL	
84) bis(2-Ethylhexyl)phthalat	15.012	149	926127	5.166	ug/mL	99
86) Di-n-octylphthalate	16.524	149	1579015	4.693	ug/mL	99
87) Benzo[b]fluoranthene	17.039	252	1136871M4	4.841	ug/mL	
88) Benzo[k]fluoranthene	17.097	252	1155342M4	4.906	ug/mL	
89) Benzo[a]pyrene	17.665	252	1099607	4.897	ug/mL	99
90) Indeno[1,2,3-cd]pyrene	19.581	276	877348M4	4.859	ug/mL	
91) Dibenz[a,h]anthracene	19.634	278	907238M4	4.871	ug/mL	
92) Benzo[g,h,i]perylene	20.010	276	1009529	5.061	ug/mL	98

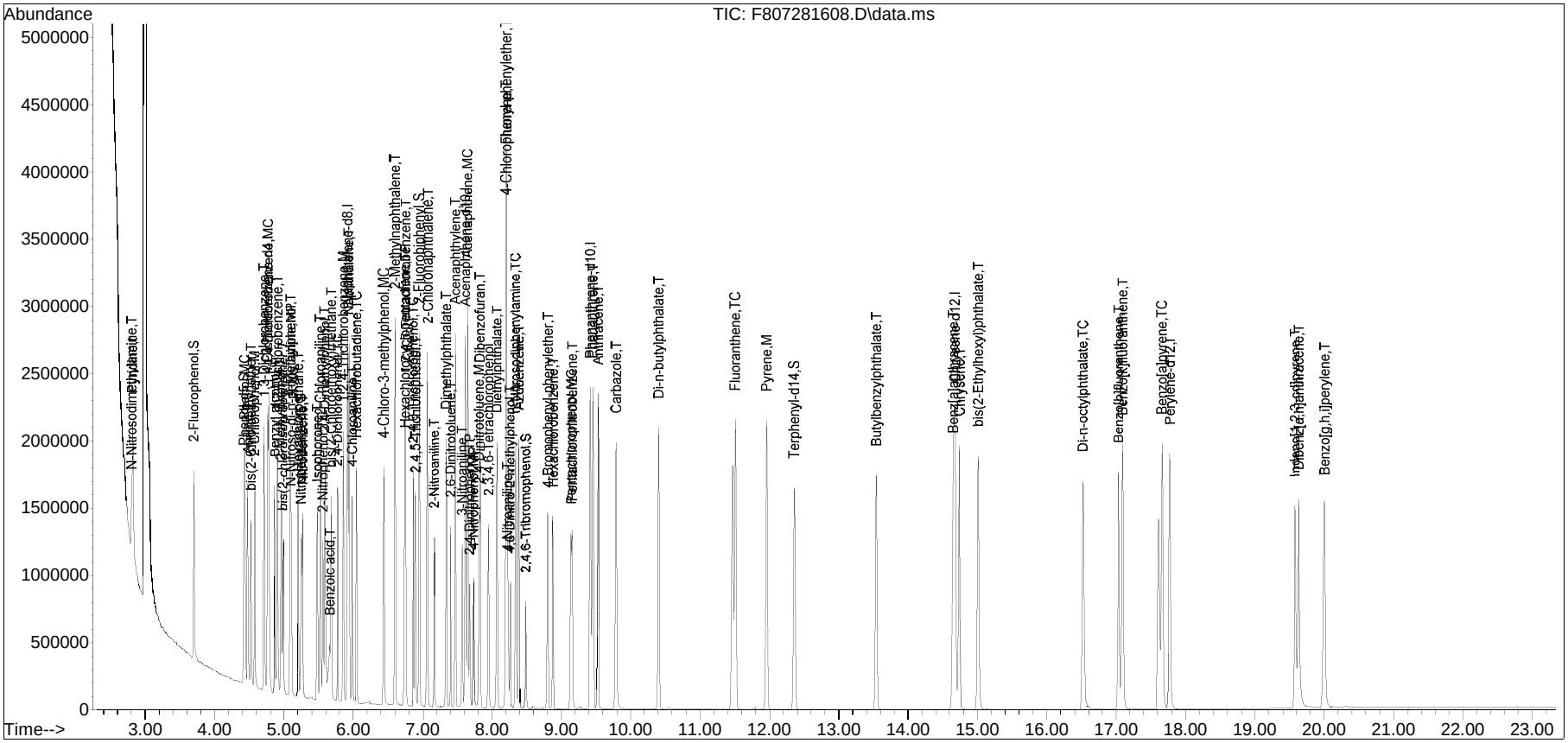
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281608.D
Acq On : 28 Jul 2016 2:40 pm
Operator : BNA8:SF
Sample : I807281604
Misc : WG919318,MSAK09
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 03 12:30:39 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

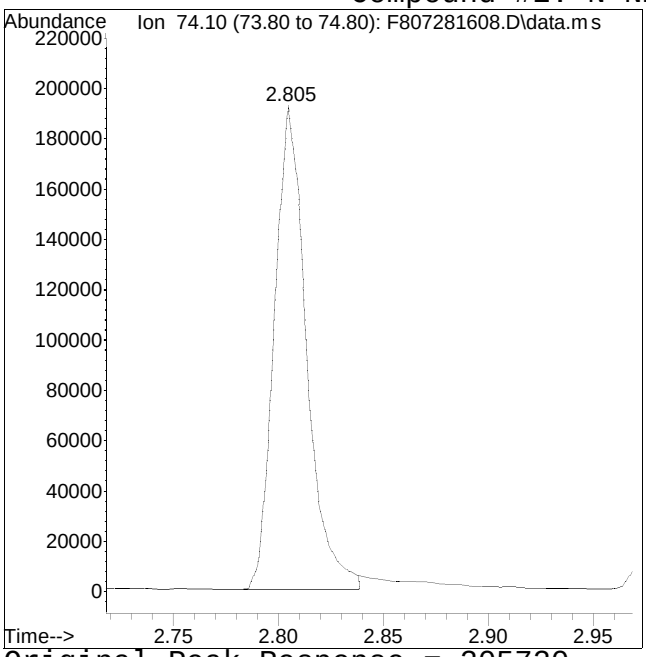
Sub List : Default - All compounds listed

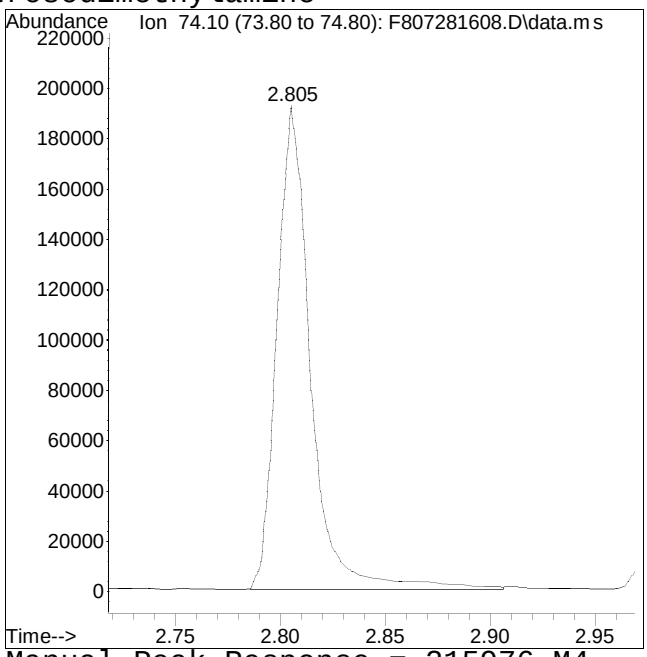


Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281608.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 2:40 pm Instrument : BNA8
Sample : I807281604 Quant Date : 8/1/2016 11:58 am

Compound #2: N-Nitrosodimethylamine



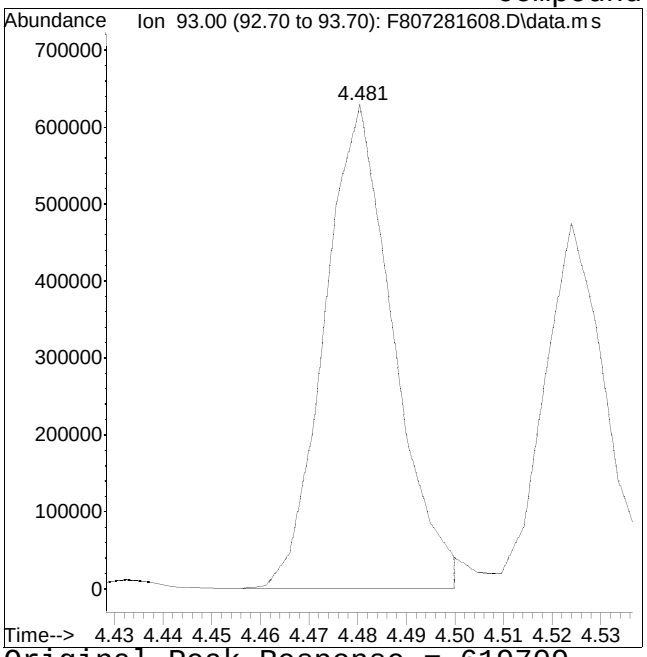


Original Peak Response = 205720 Manual Peak Response = 215976 M4
M4 = Poor automated baseline construction.

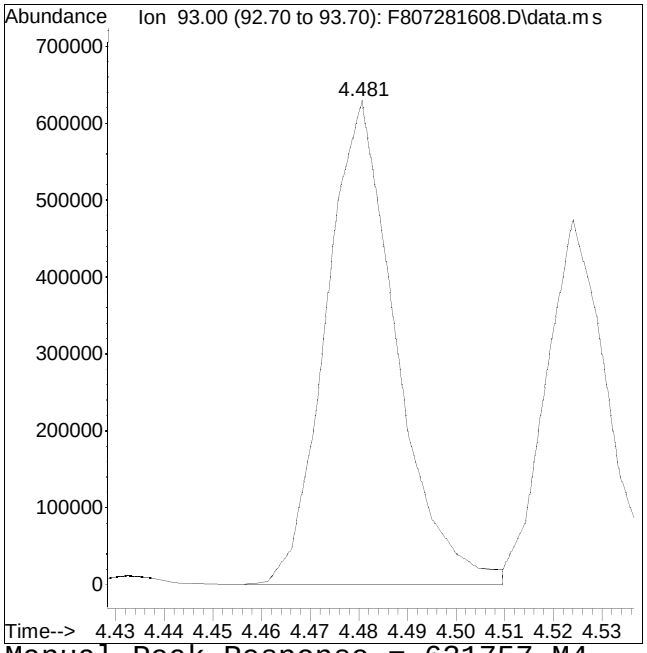
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281608.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 2:40 pm Instrument : BNA8
Sample : I807281604 Quant Date : 8/1/2016 11:58 am

Compound #6: Aniline



Original Peak Response = 619709



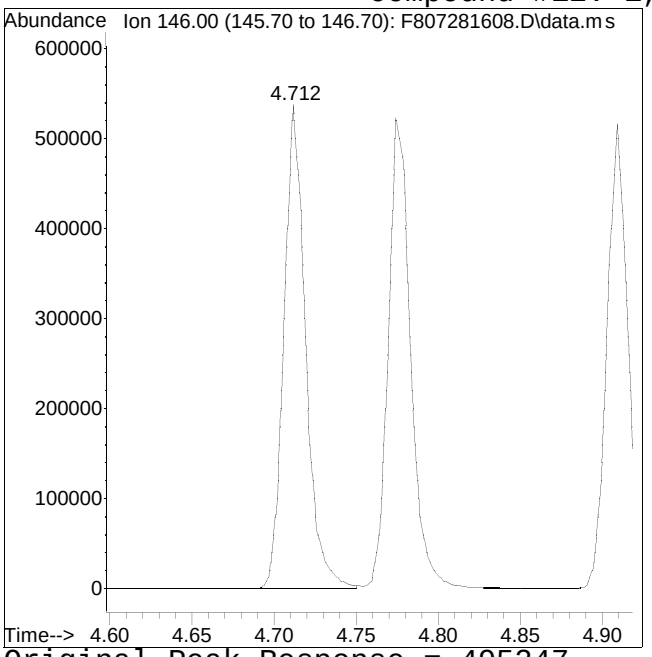
Manual Peak Response = 631757 M4

M4 = Poor automated baseline construction.

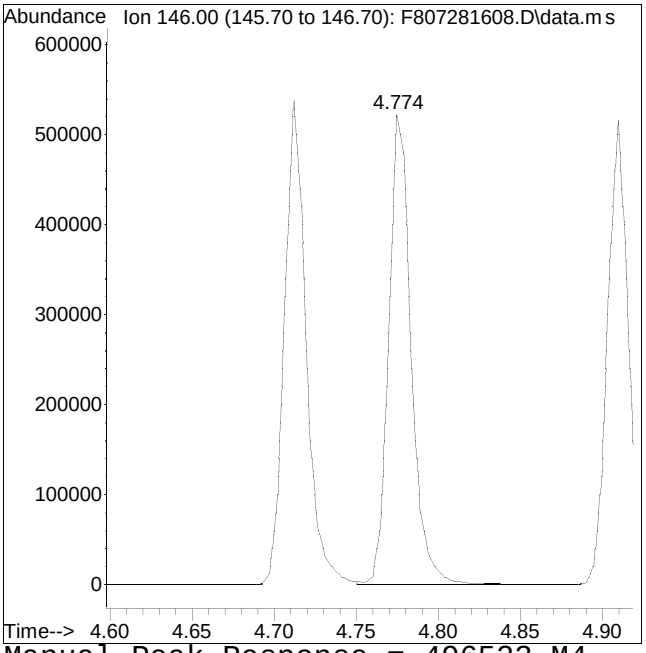
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281608.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 2:40 pm Instrument : BNA8
Sample : I807281604 Quant Date : 8/1/2016 11:58 am

Compound #12: 1,4-Dichlorobenzene



Original Peak Response = 495247



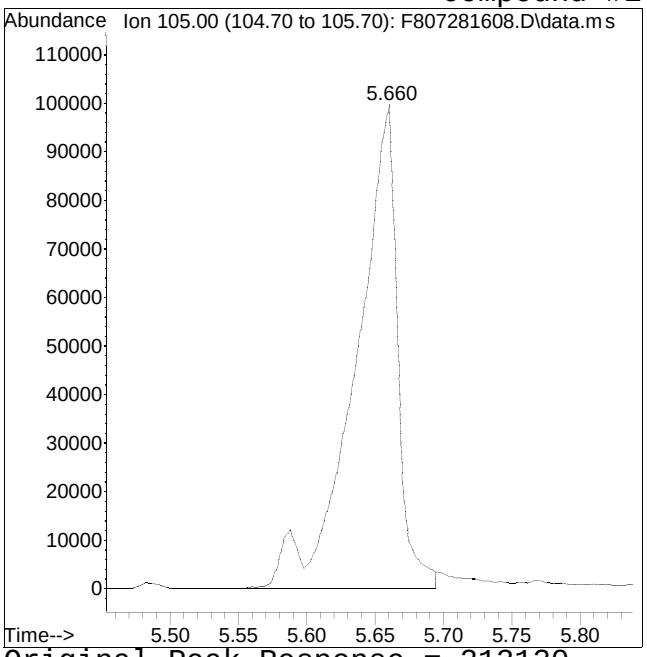
Manual Peak Response = 496523 M4

M4 = Poor automated baseline construction.

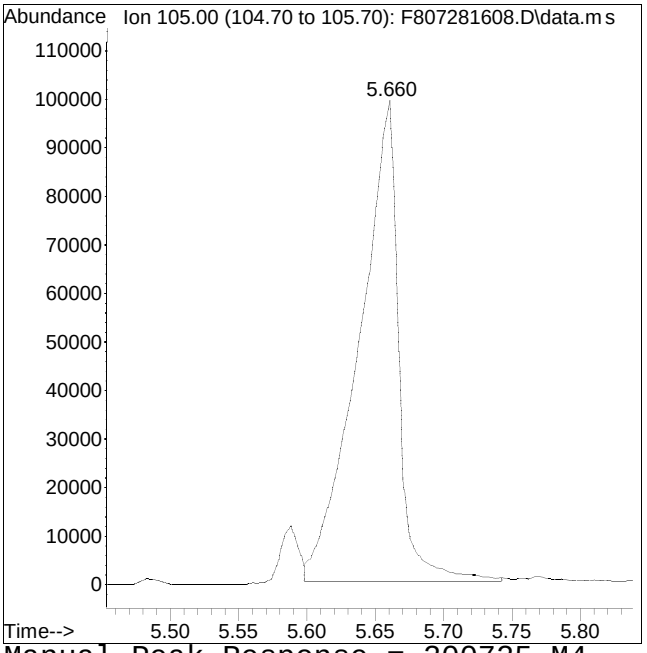
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281608.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 2:40 pm Instrument : BNA8
Sample : I807281604 Quant Date : 8/1/2016 11:58 am

Compound #27: Benzoic acid



Original Peak Response = 213130



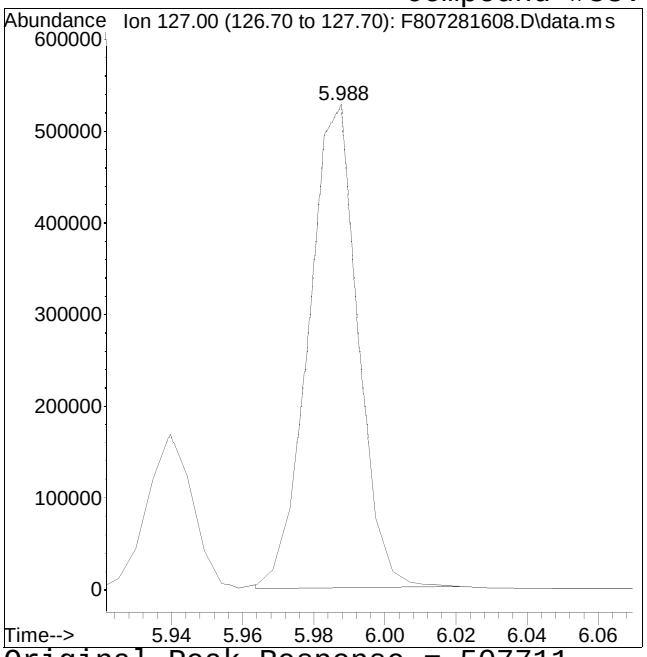
Manual Peak Response = 200725 M4

M4 = Poor automated baseline construction.

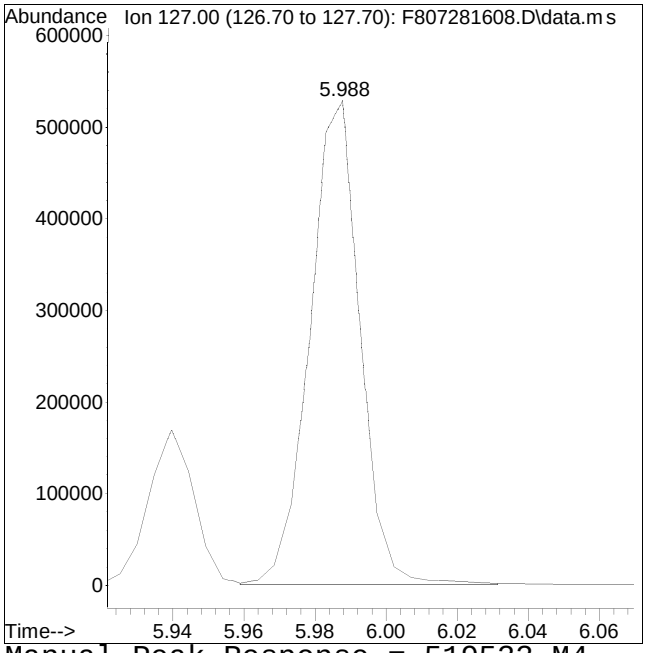
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281608.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 2:40 pm Instrument : BNA8
Sample : I807281604 Quant Date : 8/1/2016 11:58 am

Compound #33: 4-Chloroaniline



Original Peak Response = 507711



Manual Peak Response = 519533 M4

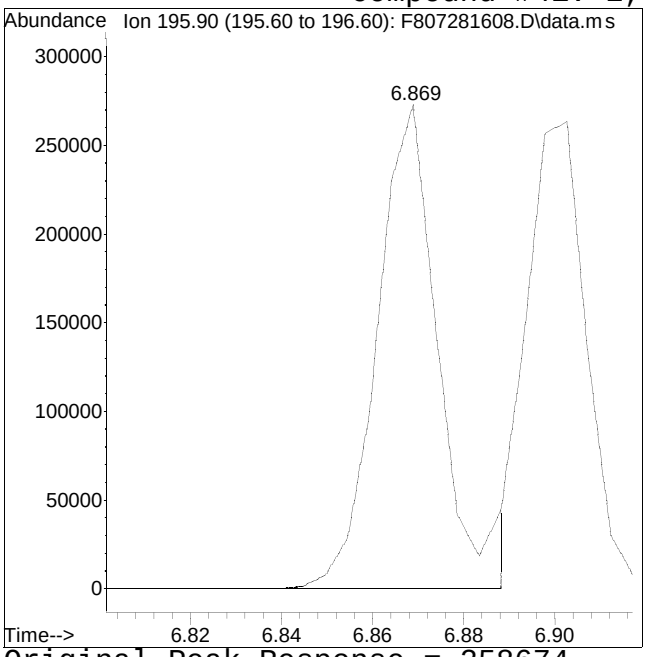
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

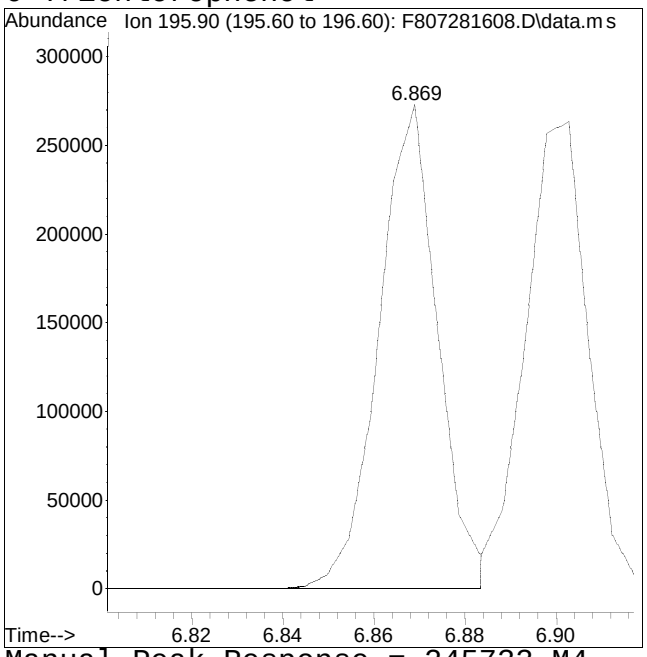
Data Path : O:\Organics\DATA\BNA8\2016\
Data File : F807281608.D
Date Inj'd : 7/28/2016 2:40 pm
Sample : I807281604

QMethod : SV0728BNA8.M
Operator : BNA8:SF
Instrument : BNA8
Quant Date : 8/1/2016 11:58 am

Compound #41: 2,4,6-Trichlorophenol



Original Peak Response = 258674



Manual Peak Response = 245733 M4

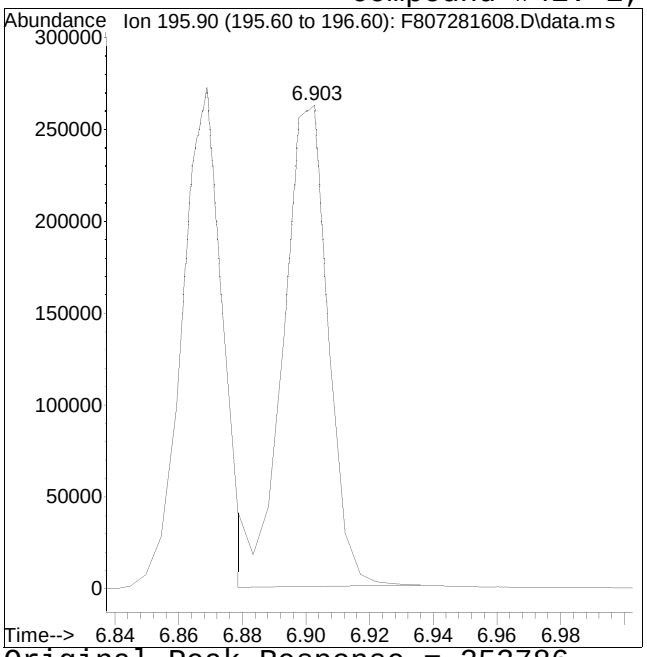
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

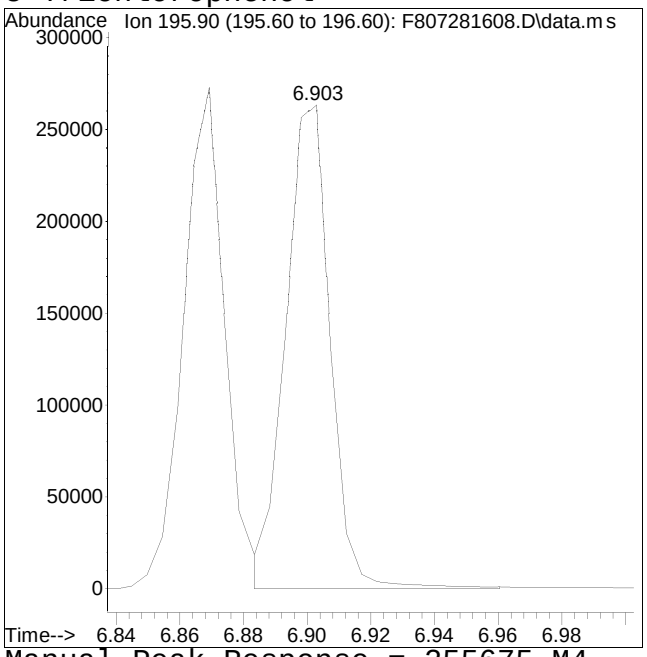
Data Path : O:\Organics\DATA\BNA8\2016\
Data File : F807281608.D
Date Inj'd : 7/28/2016 2:40 pm
Sample : I807281604

QMethod : SV0728BNA8.M
Operator : BNA8:SF
Instrument : BNA8
Quant Date : 8/1/2016 11:58 am

Compound #42: 2,4,5-Trichlorophenol



Original Peak Response = 253786



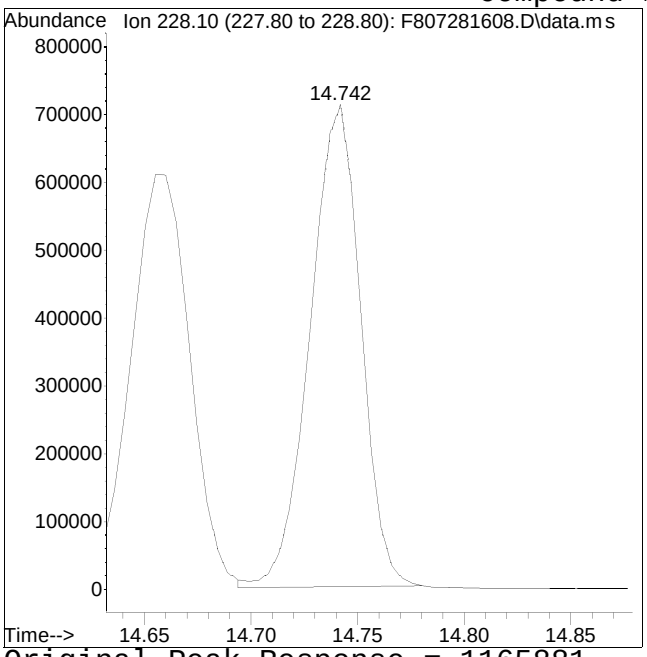
Manual Peak Response = 255675 M4

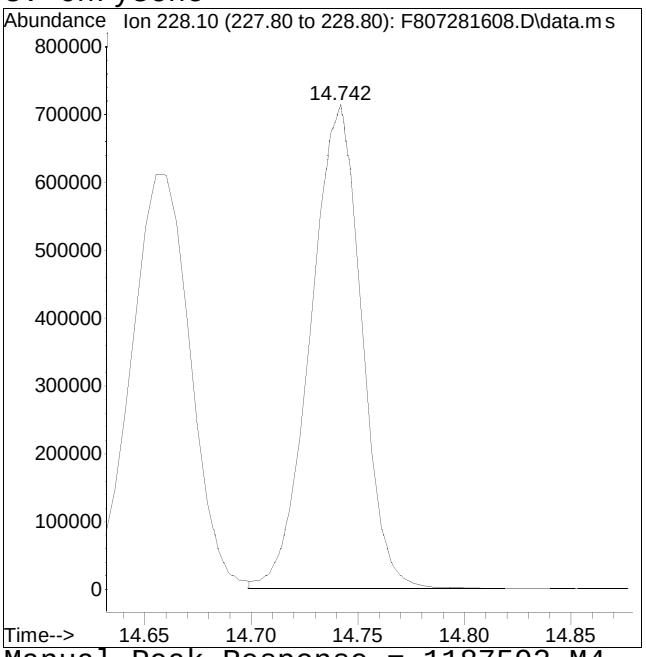
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281608.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 2:40 pm Instrument : BNA8
Sample : I807281604 Quant Date : 8/1/2016 11:58 am

Compound #83: Chrysene



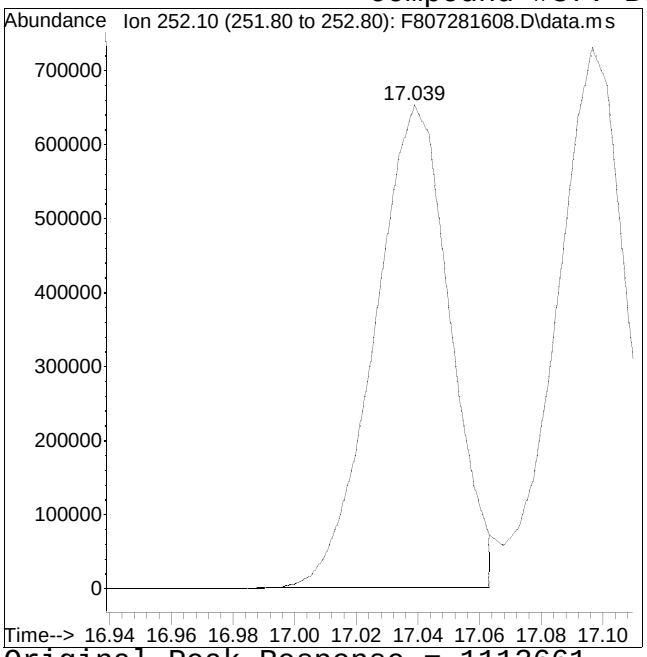


Original Peak Response = 1165881 Manual Peak Response = 1187592 M4
M4 = Poor automated baseline construction.

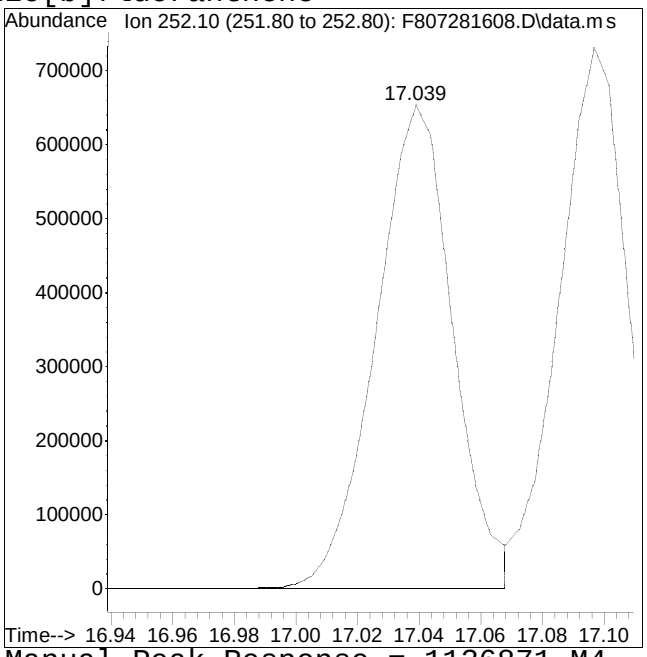
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281608.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 2:40 pm Instrument : BNA8
Sample : I807281604 Quant Date : 8/1/2016 11:58 am

Compound #87: Benzo[b]fluoranthene



Original Peak Response = 1113661



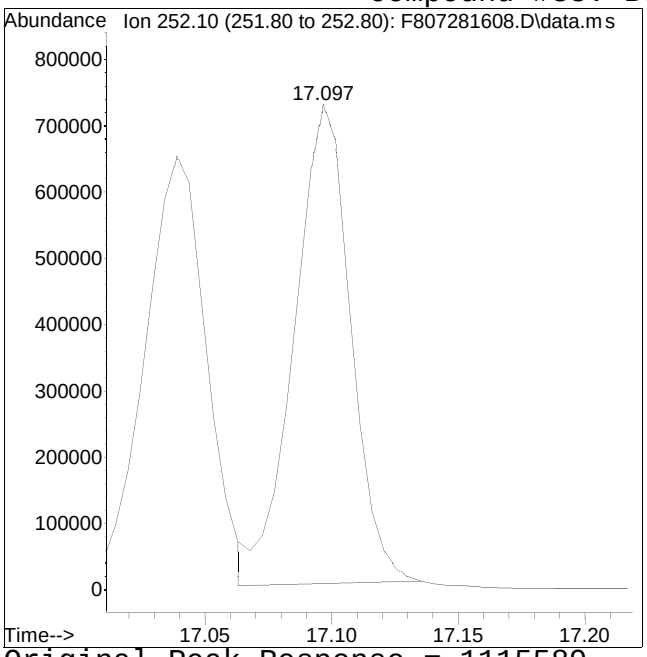
Manual Peak Response = 1136871 M4

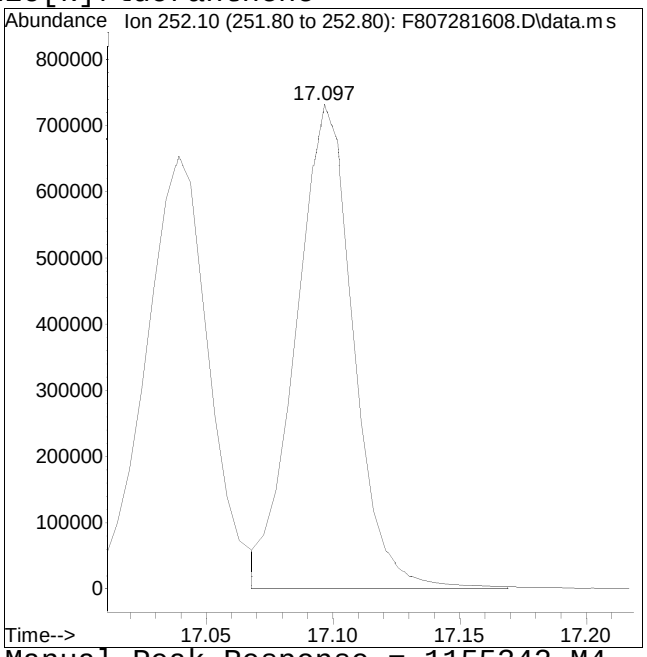
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281608.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 2:40 pm Instrument : BNA8
Sample : I807281604 Quant Date : 8/1/2016 11:58 am

Compound #88: Benzo[k]fluoranthene



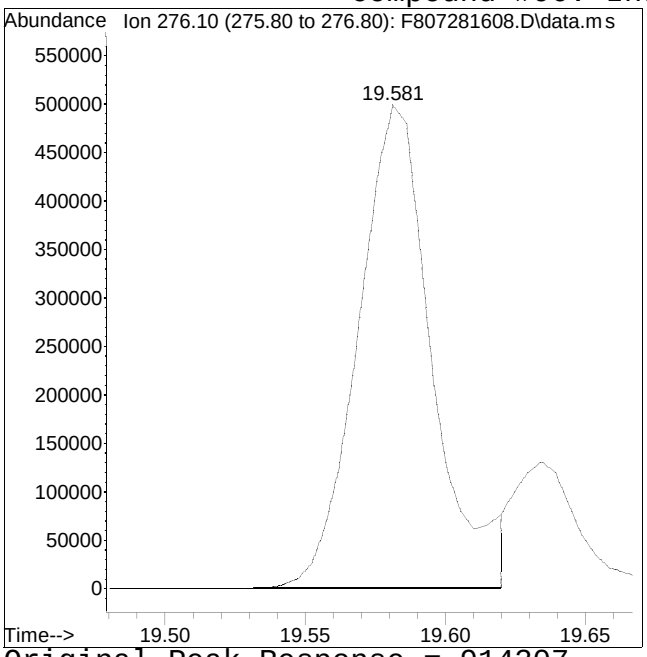


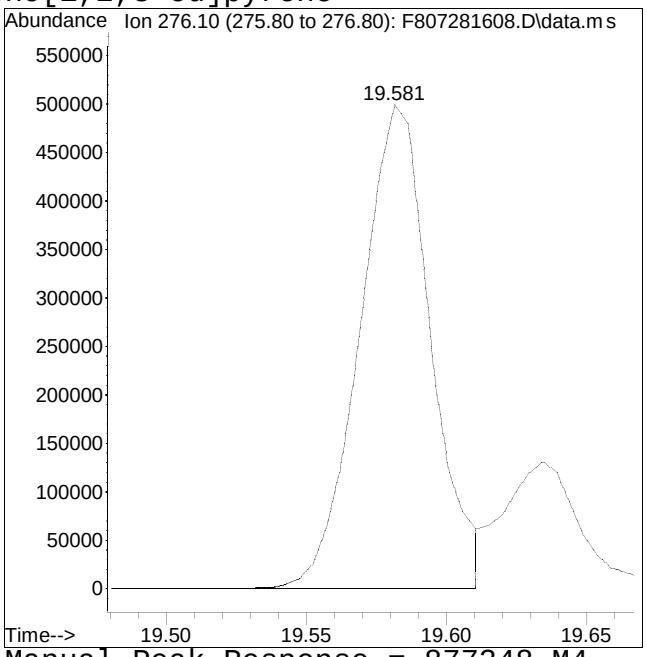
Original Peak Response = 1115589 Manual Peak Response = 1155342 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281608.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 2:40 pm Instrument : BNA8
Sample : I807281604 Quant Date : 8/1/2016 11:58 am

Compound #90: Indeno[1,2,3-cd]pyrene



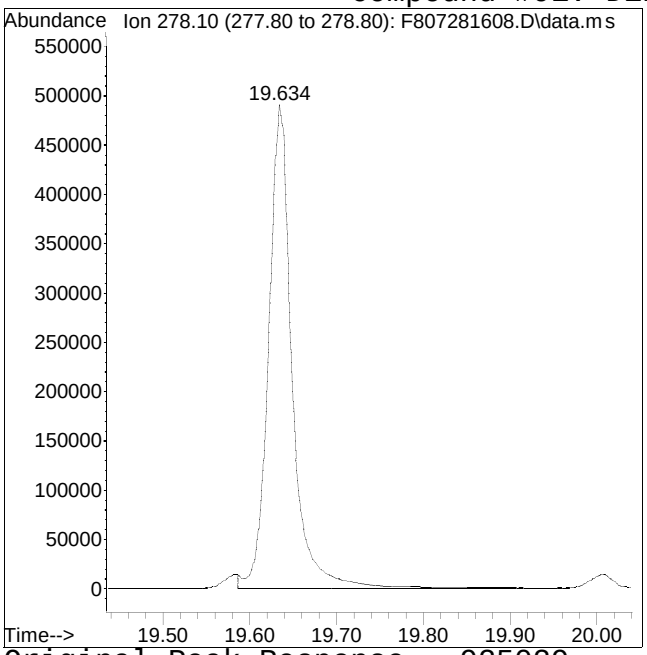


Original Peak Response = 914307 Manual Peak Response = 877348 M4
M4 = Poor automated baseline construction.

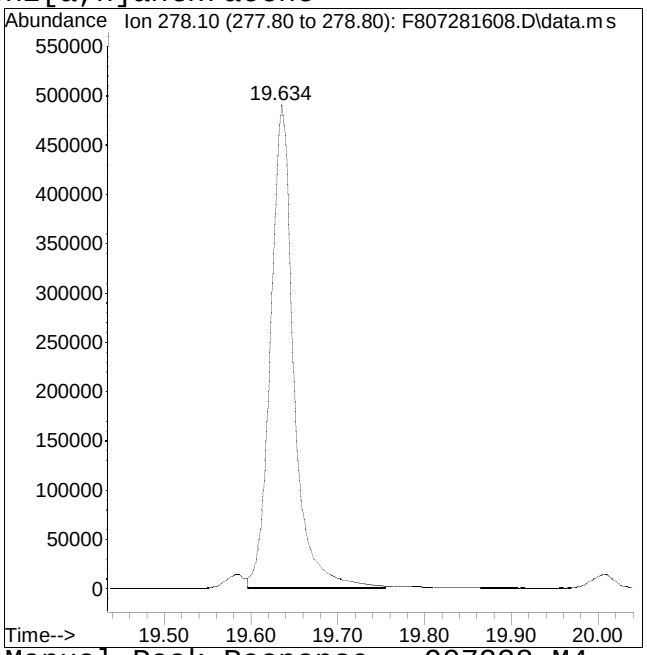
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281608.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 2:40 pm Instrument : BNA8
Sample : I807281604 Quant Date : 8/1/2016 11:58 am

Compound #91: Dibenz[a,h]anthracene



Original Peak Response = 925029



Manual Peak Response = 907238 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281609.D
Acq On : 28 Jul 2016 3:13 pm
Operator : BNA8:SF
Sample : I807281605
Misc : WG919318,MSAK08
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 10 09:43:37 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 10 09:43:45 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.760	152	323672	5.000	ug/mL	0.00
21) Naphthalene-d8	5.920	136	1230909	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.620	164	588114	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.426	188	1102826	5.000	ug/mL	0.00
76) Chrysene-d12	14.689	240	1051997	5.000	ug/mL	0.01
85) Perylene-d12	17.781	264	970136	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.701	112	794321	10.211	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 51.06%			
8) Phenol-d5	4.423	99	976896	10.367	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 51.84%			
22) Nitrobenzene-d5	5.256	82	791256	10.342	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 51.71%			
43) 2-Fluorobiphenyl	6.956	172	1609776	10.356	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 51.78%			
65) 2,4,6-Tribromophenol	8.492	330	159316	10.837	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 54.18%			
79) Terphenyl-d14	12.368	244	1530927	10.275	ug/mL	0.01
Spiked Amount 20.000	Range 33 - 141		Recovery = 51.38%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.815	74	426646M4	10.257	ug/mL	
3) Pyridine	2.819	79	780913	9.869	ug/mL	97
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.481	93	1211782	10.083	ug/ml	98
7) bis(2-Chloroethyl)ether	4.524	63	535967	10.182	ug/mL	98
9) Phenol	4.437	94	1010321	10.326	ug/mL#	90
10) 2-Chlorophenol	4.582	128	866213	10.233	ug/mL	96
11) 1,3-Dichlorobenzene	4.712	146	957912	10.315	ug/mL	100
12) 1,4-Dichlorobenzene	4.774	146	930922	10.040	ug/mL	99
13) 1,2-Dichlorobenzene	4.909	146	897782	10.190	ug/mL	99
14) Benzyl alcohol	4.876	108	531094	10.317	ug/mL	88
15) bis(2-chloroisopropyl)eth	4.991	45	954844	10.092	ug/mL#	64
16) 2-Methylphenol	4.962	108	680493	10.227	ug/mL	99
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	5.208	117	387590	10.264	ug/mL	97
19) N-Nitroso-di-n-propylamin	5.116	70	536639	10.318	ug/mL	95
20) 4-Methylphenol	5.102	108	734698	10.133	ug/mL	98
23) Nitrobenzene	5.270	77	797827	10.379	ug/mL	97

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281609.D
Acq On : 28 Jul 2016 3:13 pm
Operator : BNA8:SF
Sample : I807281605
Misc : WG919318,MSAK08
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 10 09:43:37 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 10 09:43:45 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.492	82	1251164	10.402	ug/mL	99
25) 2-Nitrophenol	5.564	139	471853	10.720	ug/mL	94
26) 2,4-Dimethylphenol	5.588	107	709503	10.225	ug/mL	97
27) Benzoic acid	5.684	105	501163M4	9.732	ug/mL	
28) bis(2-Chloroethoxy)methan	5.684	93	904678	10.238	ug/mL	98
29) 2,4-Dichlorophenol	5.781	162	687665	10.558	ug/mL	99
30) 1,2,4-Trichlorobenzene	5.863	180	714024	10.267	ug/mL	100
31) Naphthalene	5.940	128	2316724	10.305	ug/mL	100
32) 2-Chloroaniline	5.530	127	1175688	10.345	ug/ml	100
33) 4-Chloroaniline	5.988	127	981983	10.192	ug/mL	99
34) Hexachlorobutadiene	6.050	225	369679	10.391	ug/mL	99
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	6.441	107	659535	10.541	ug/mL	98
37) 2-Methylnaphthalene	6.599	142	1549151	10.385	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.763	216	684814	10.376	ug/mL	100
40) Hexachlorocyclopentadiene	6.749	237	363841	11.154	ug/mL	99
41) 2,4,6-Trichlorophenol	6.869	196	482972M4	10.521	ug/mL	
42) 2,4,5-Trichlorophenol	6.903	196	491284M4	10.623	ug/mL	
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	7.071	162	1437069	10.336	ug/mL	99
46) 2-Nitroaniline	7.172	65	404602	10.658	ug/mL	88
47) Acenaphthylene	7.476	152	2390963	10.509	ug/mL	100
48) Dimethylphthalate	7.351	163	1562541	10.301	ug/mL	100
49) 2,6-Dinitrotoluene	7.408	165	382916	10.843	ug/mL	99
50) Acenaphthene	7.654	153	1444253	10.268	ug/mL	98
51) 3-Nitroaniline	7.577	138	435748	10.706	ug/mL	88
52) 2,4-Dinitrophenol	7.683	184	298942	10.841	ug/mL#	67
53) Dibenzofuran	7.832	168	1910635	10.343	ug/mL	100
54) 2,3,4,6-Tetrachlorophenol	7.957	232	354825	10.839	ug/mL	99
55) 2,4-Dinitrotoluene	7.818	165	505254	11.094	ug/mL#	76
56) 4-Nitrophenol	7.741	109	217783	10.930	ug/mL	95
57) Fluorene	8.208	166	1530710	10.360	ug/mL	100
58) 4-Chlorophenyl-phenylethe	8.208	204	686847	10.191	ug/mL	98
59) Diethylphthalate	8.078	149	1640025	10.496	ug/mL	99
60) 4-Nitroaniline	8.237	138	437712	10.680	ug/mL	98
62) 4,6-Dinitro-2-methylpheno	8.265	198	336307	11.198	ug/mL	99
63) Azobenzene	8.396	182	447006	10.533	ug/mL	93
64) n-Nitrosodiphenylamine	8.347	169	1111490	10.385	ug/mL	98
66) 4-Bromophenyl-phenylether	8.805	248	394859	10.452	ug/mL	97
67) Hexachlorobenzene	8.882	284	399297	10.333	ug/mL	97
68) Atrazine	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281609.D
Acq On : 28 Jul 2016 3:13 pm
Operator : BNA8:SF
Sample : I807281605
Misc : WG919318,MSAK08
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 10 09:43:37 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 10 09:43:45 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	9.147	266	310143	10.826	ug/mL	97
70) Pentachloronitrobenzene	9.166	237	182283	11.004	ug/ml	93
71) Phenanthrene	9.460	178	2309864	10.402	ug/mL	100
72) Anthracene	9.537	178	2314557	10.511	ug/mL	100
73) Carbazole	9.792	167	2216234	10.655	ug/mL	100
74) Di-n-butylphthalate	10.413	149	2876414	11.016	ug/mL	100
75) Fluoranthene	11.521	202	2544716	10.751	ug/mL	96
77) Benzidine	0.000		0	N.D.		
78) Pyrene	11.964	202	2646956	10.365	ug/mL	97
80) Butylbenzylphthalate	13.553	149	1365004	10.210	ug/mL	95
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	14.665	228	2328325	10.461	ug/mL	100
83) Chrysene	14.752	228	2283417M4	10.197	ug/mL	
84) bis(2-Ethylhexyl)phthalat	15.017	149	1813387	10.303	ug/mL	99
86) Di-n-octylphthalate	16.529	149	3258434	10.028	ug/mL	99
87) Benzo[b]fluoranthene	17.049	252	2231929M4	10.793	ug/mL	
88) Benzo[k]fluoranthene	17.111	252	2196957M4	10.688	ug/mL	
89) Benzo[a]pyrene	17.679	252	2136452	10.612	ug/mL	98
90) Indeno[1,2,3-cd]pyrene	19.596	276	1871877	11.384	ug/mL	98
91) Dibenz[a,h]anthracene	19.649	278	1862760	11.187	ug/mL	99
92) Benzo[g,h,i]perylene	20.024	276	1993686	10.784	ug/mL	99

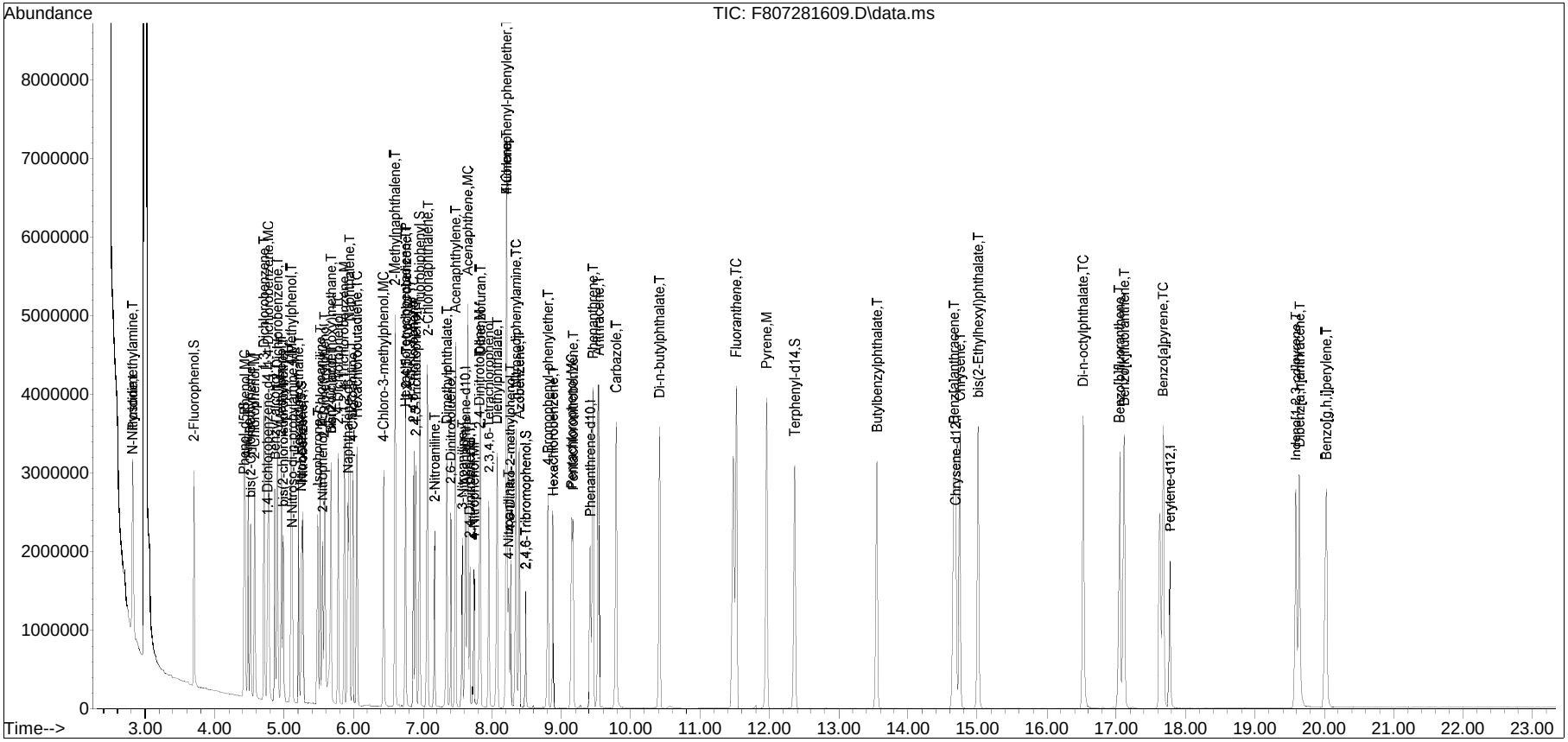
(#) = qualifier out of range (m) = manual integration (+) = signals summed

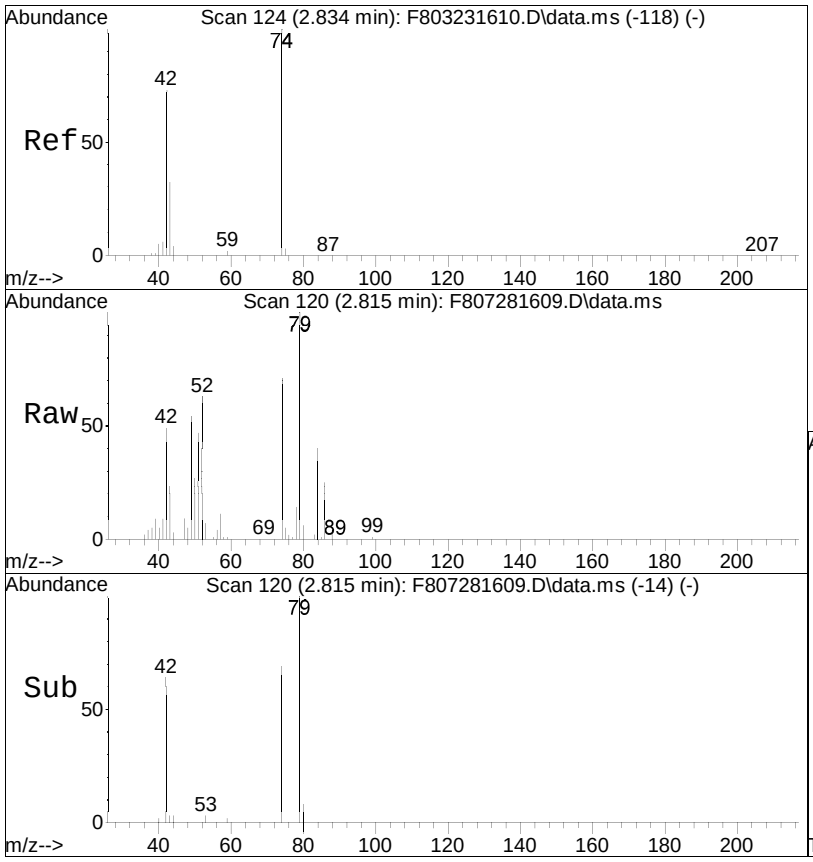
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281609.D
Acq On : 28 Jul 2016 3:13 pm
Operator : BNA8:SF
Sample : I807281605
Misc : WG919318,MSAK08
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 10 09:43:37 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 10 09:43:45 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

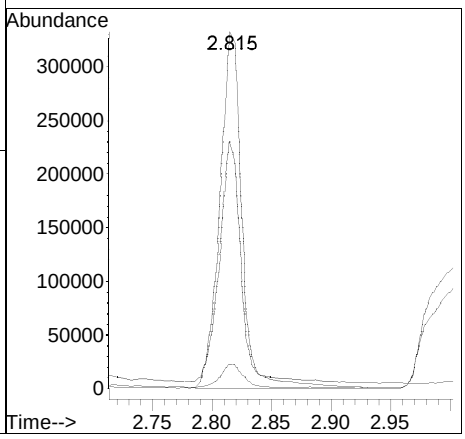


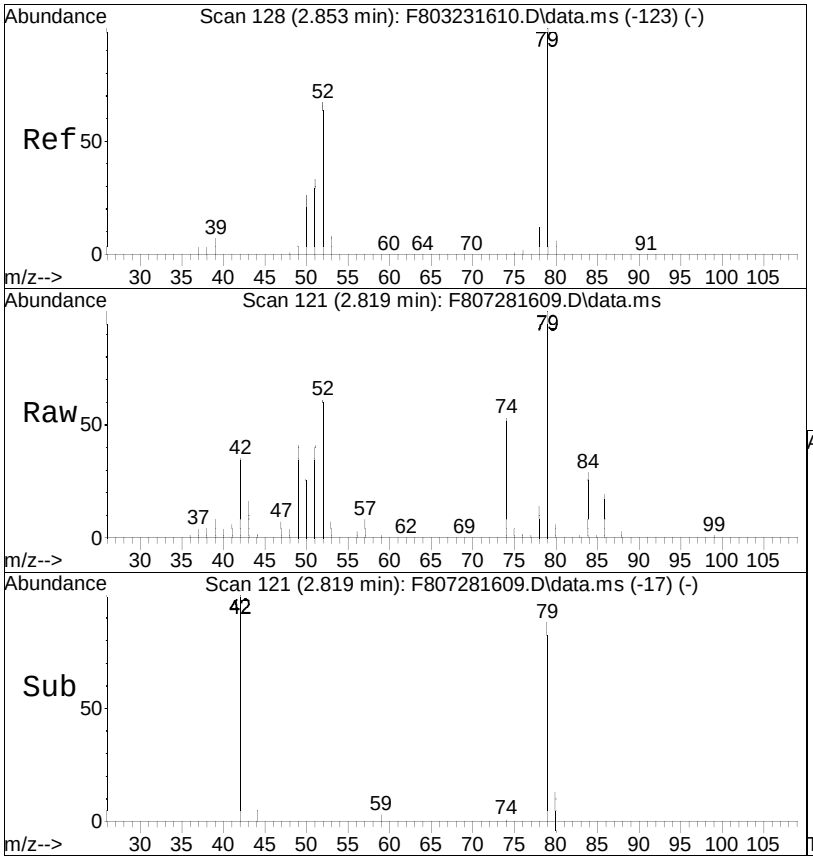


#2
N-Nitrosodimethylamine
Concen: 10.26 ug/mL M4
RT: 2.815 min Scan# 120
Delta R.T. 0.010 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion: 74 Resp: 426646

Ion	Ratio	Lower	Upper
74	100		
42	63.5	43.8	65.6
40	6.5	4.2	6.4#

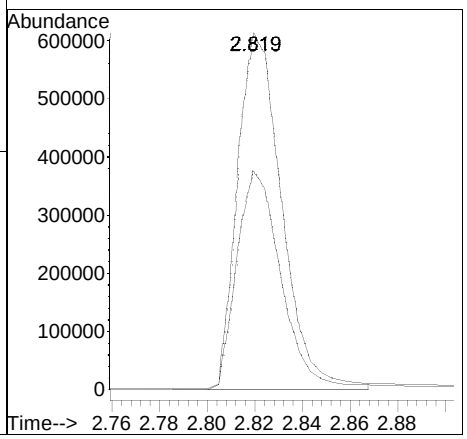


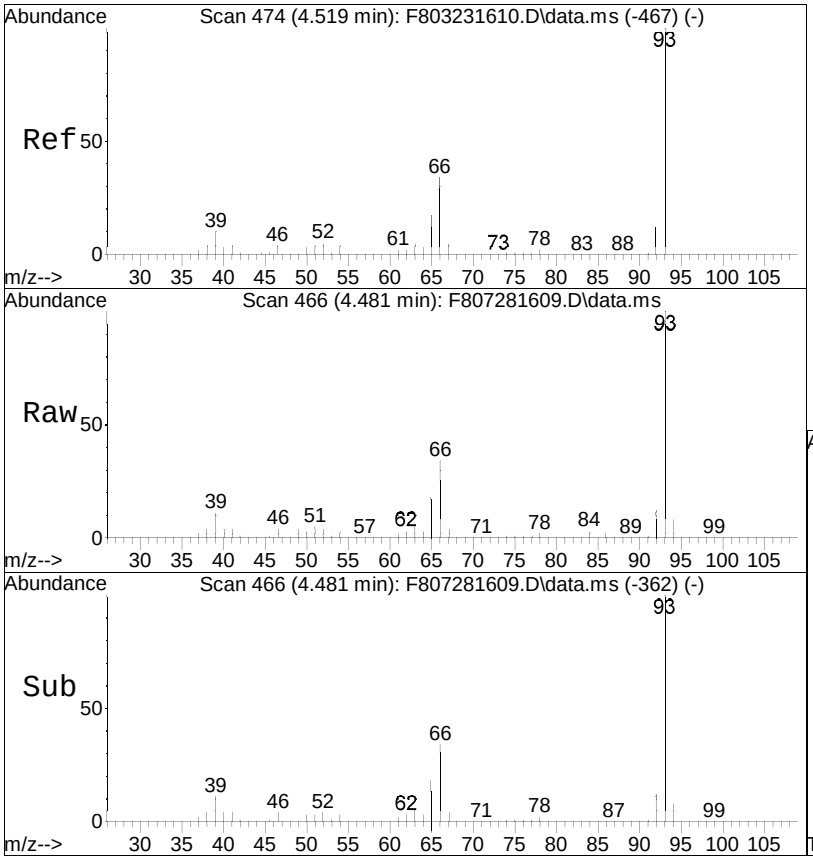


#3
Pyridine
Concen: 9.87 ug/mL
RT: 2.819 min Scan# 121
Delta R.T. 0.000 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion: 79 Resp: 780913

Ion	Ratio	Lower	Upper
79	100		
52	60.2	46.6	69.8

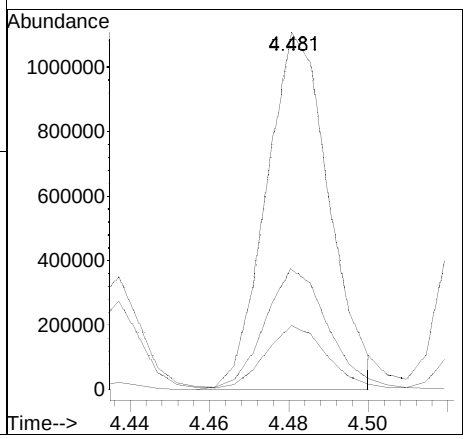


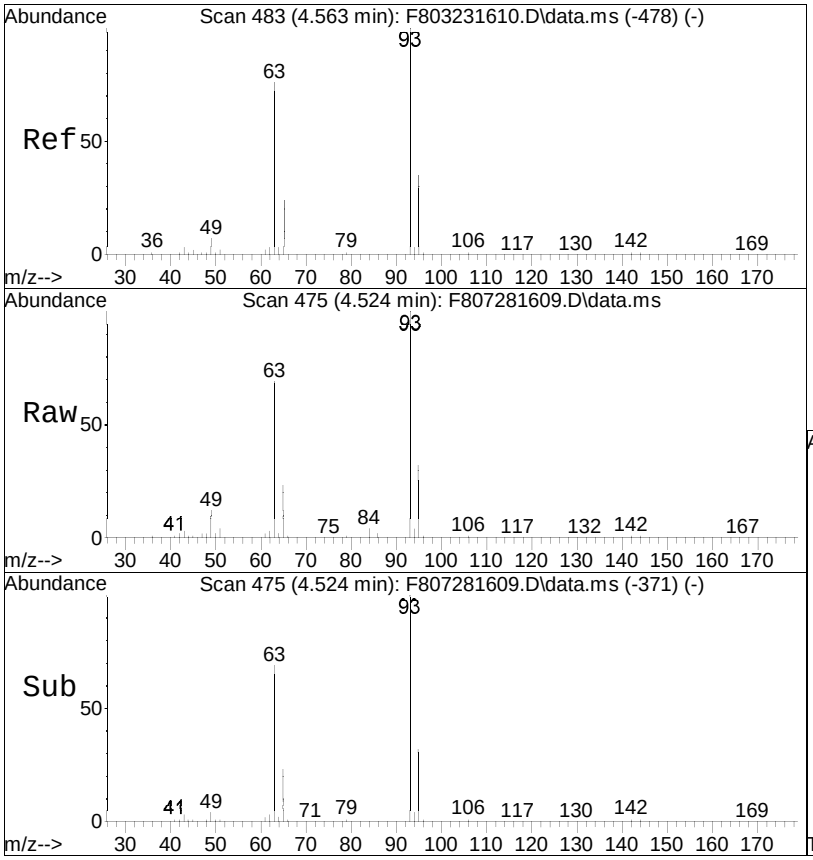


#6
Aniline
Concen: 10.08 ug/ml
RT: 4.481 min Scan# 466
Delta R.T. -0.000 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion: 93 Resp: 1211782

Ion	Ratio	Lower	Upper
93	100		
66	34.7	26.7	40.1
65	17.9	14.2	21.4

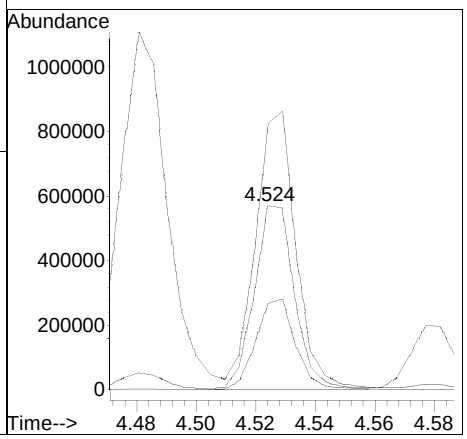


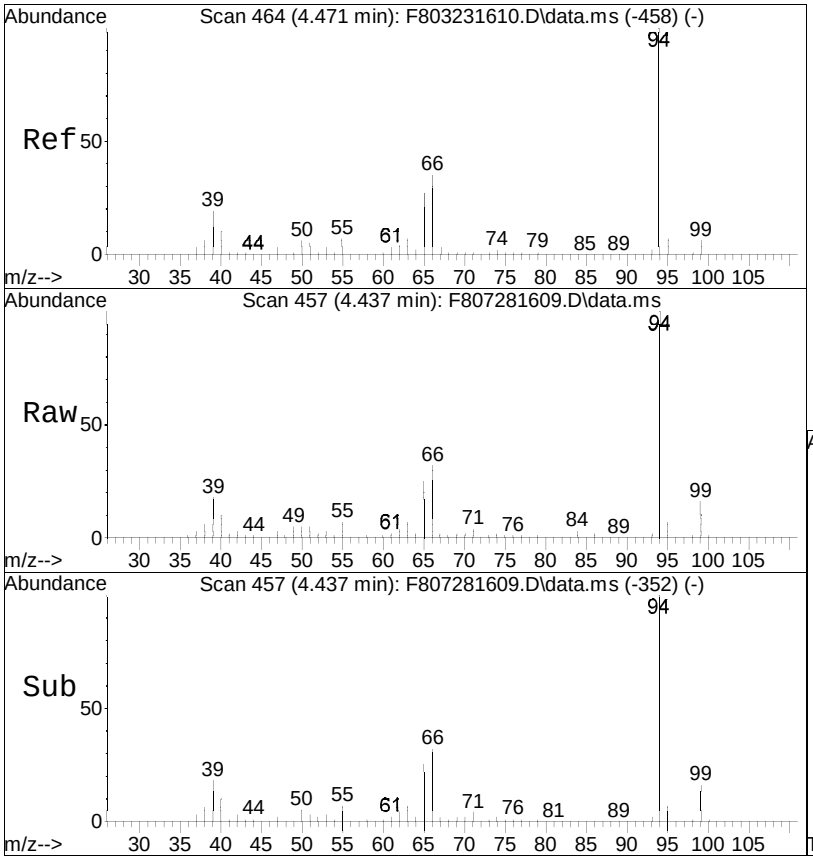


#7
bis(2-Chloroethyl)ether
Concen: 10.18 ug/mL
RT: 4.524 min Scan# 475
Delta R.T. 0.000 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion: 63 Resp: 535967

Ion	Ratio	Lower	Upper
63	100		
93	155.8	123.0	184.4
95	48.6	41.1	61.7

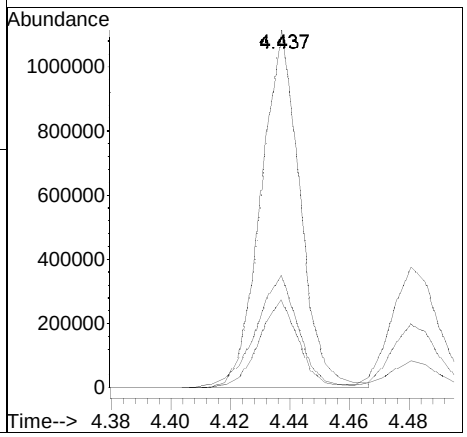


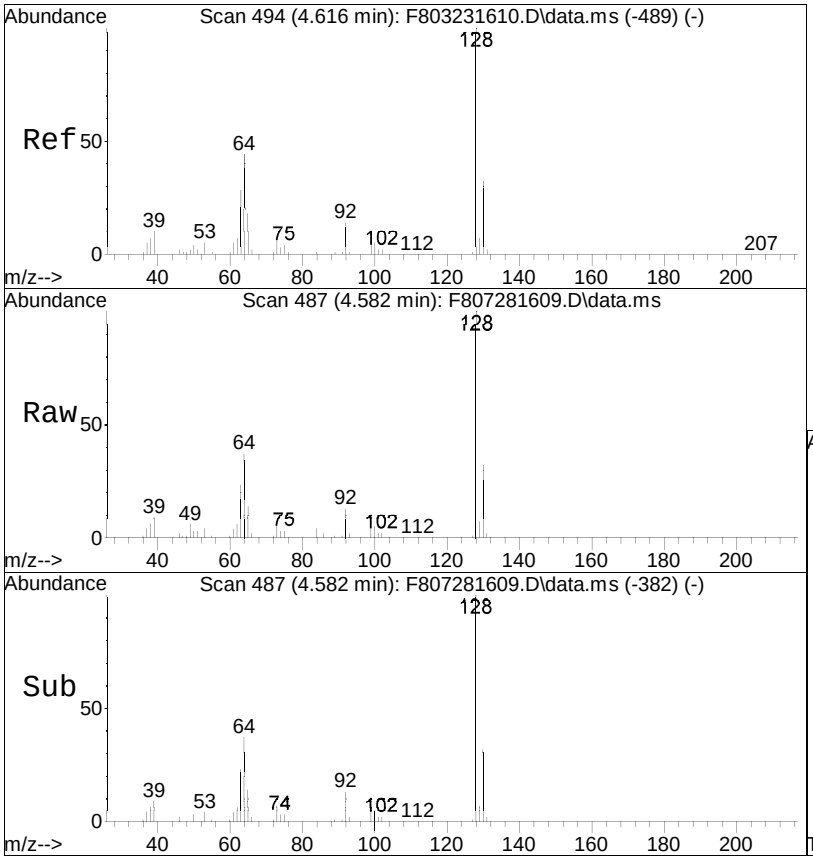


#9
Phenol
Concen: 10.33 ug/mL
RT: 4.437 min Scan# 457
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion: 94 Resp: 1010321

Ion	Ratio	Lower	Upper
94	100		
66	34.4	21.7	32.5#
65	24.7	17.6	26.4

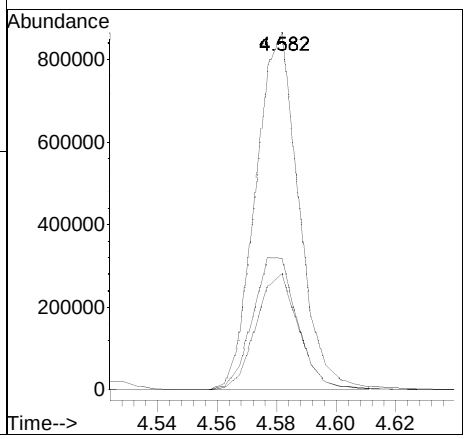


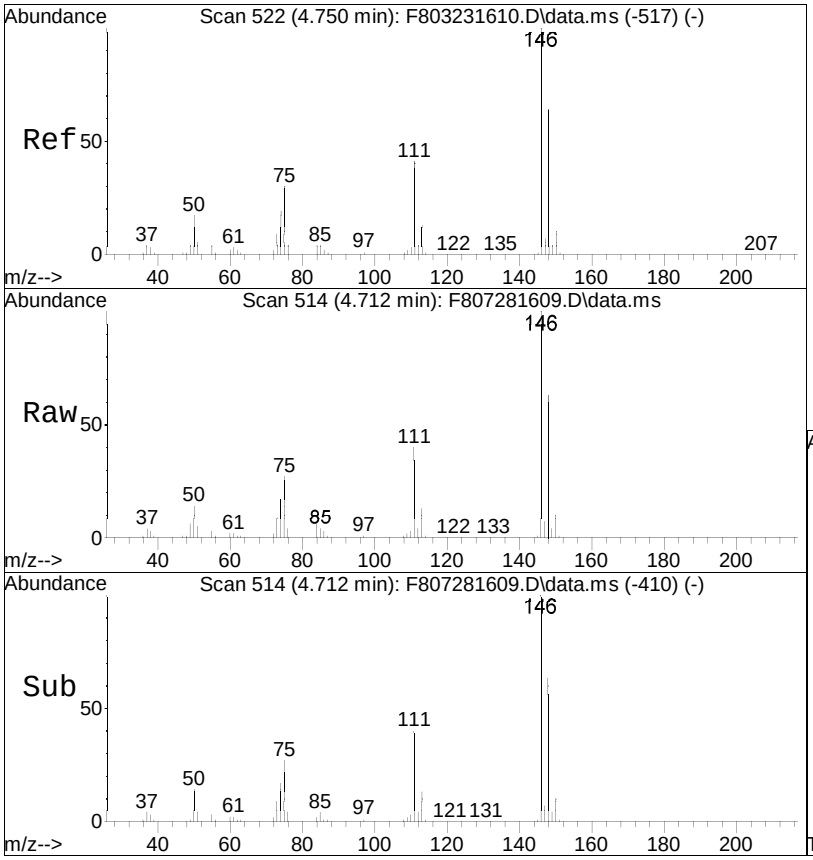


#10
2-Chlorophenol
Concen: 10.23 ug/mL
RT: 4.582 min Scan# 487
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:128 Resp: 866213

Ion	Ratio	Lower	Upper
128	100		
64	38.3	27.6	41.4
130	32.3	26.2	39.4

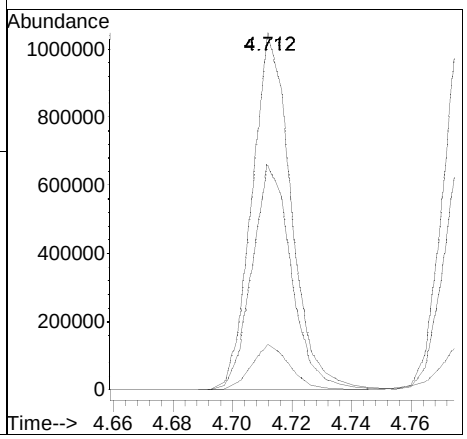


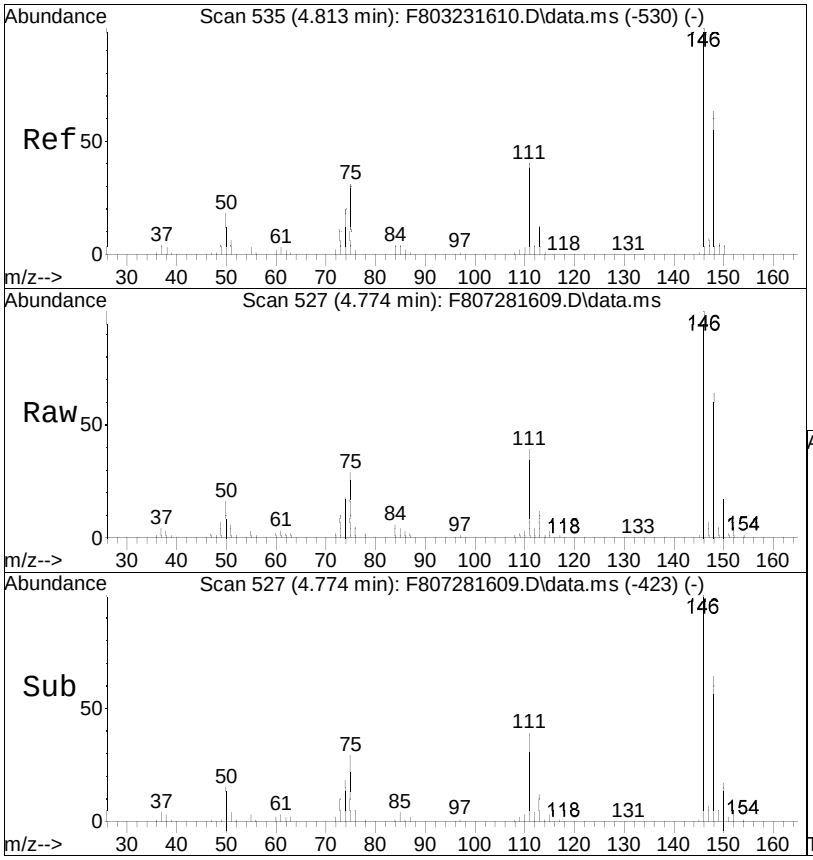


#11
1,3-Dichlorobenzene
Concen: 10.32 ug/mL
RT: 4.712 min Scan# 514
Delta R.T. -0.000 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:146 Resp: 957912

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.0	76.6
113	12.5	9.7	14.5

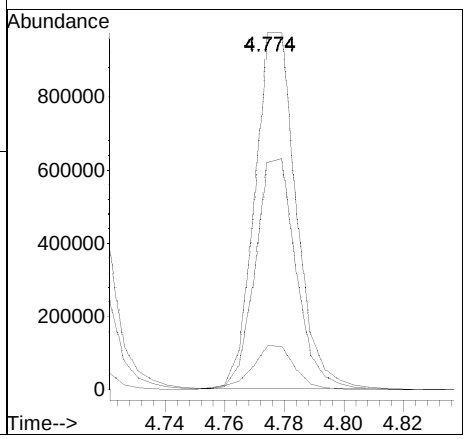


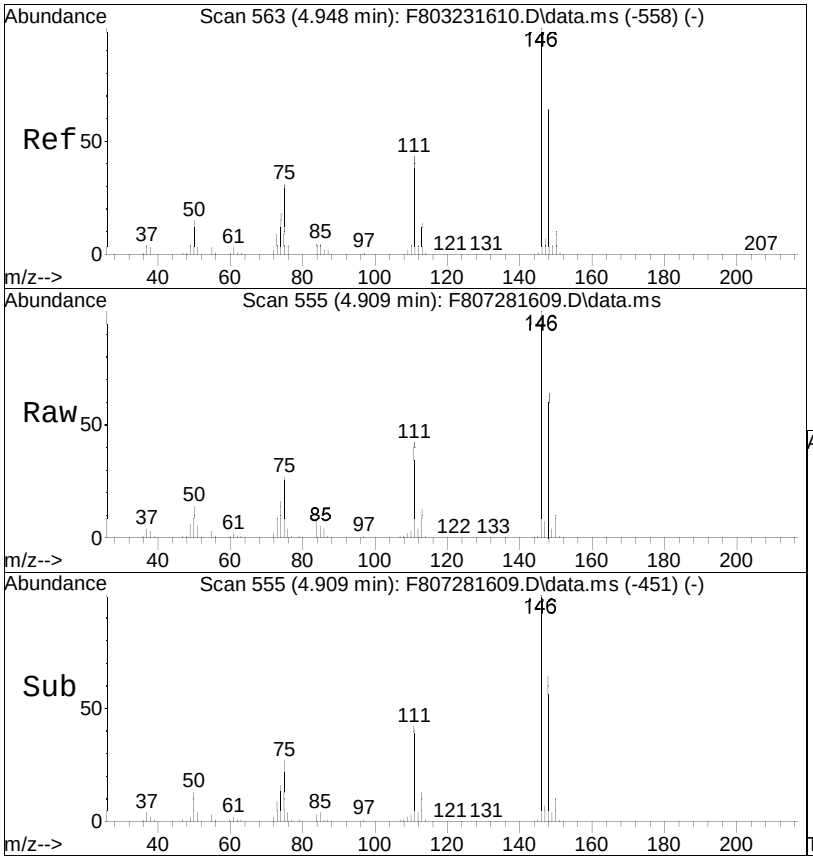


#12
1,4-Dichlorobenzene
Concen: 10.04 ug/mL
RT: 4.774 min Scan# 527
Delta R.T. 0.000 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:146 Resp: 930922

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.2	76.8
113	13.0	9.1	13.7

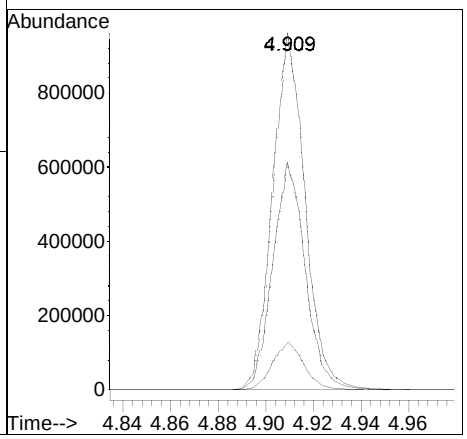


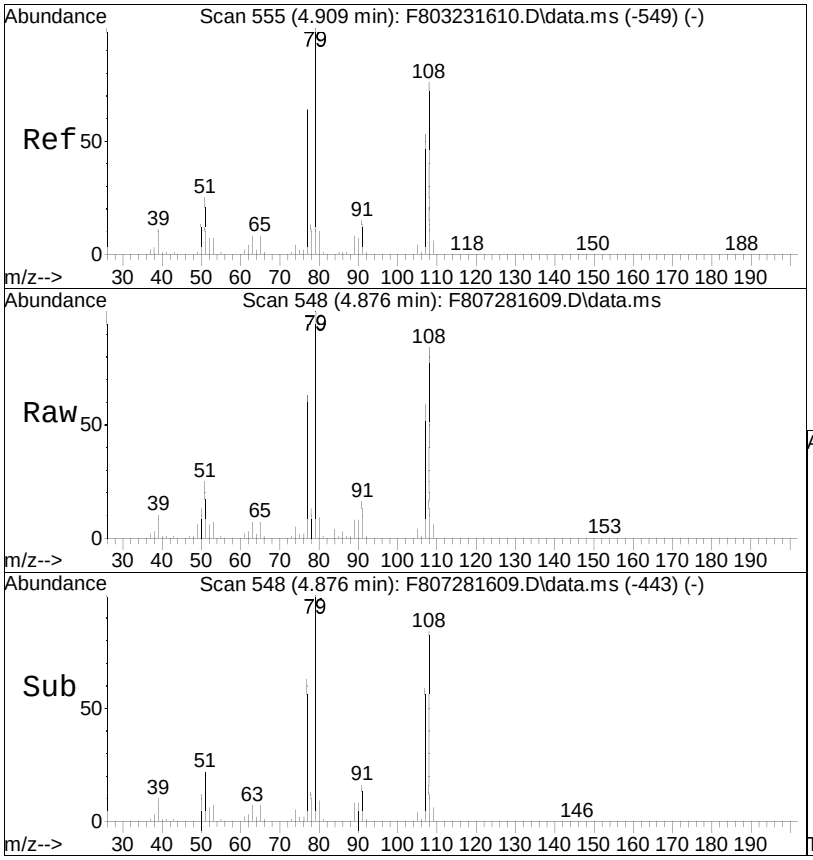


#13
1,2-Dichlorobenzene
Concen: 10.19 ug/mL
RT: 4.909 min Scan# 555
Delta R.T. 0.000 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:146 Resp: 897782

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.0	76.6
113	13.2	10.0	15.0

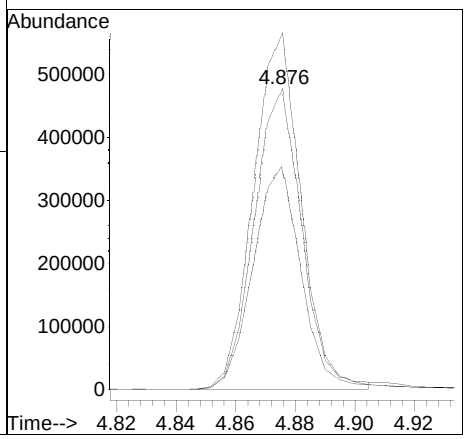


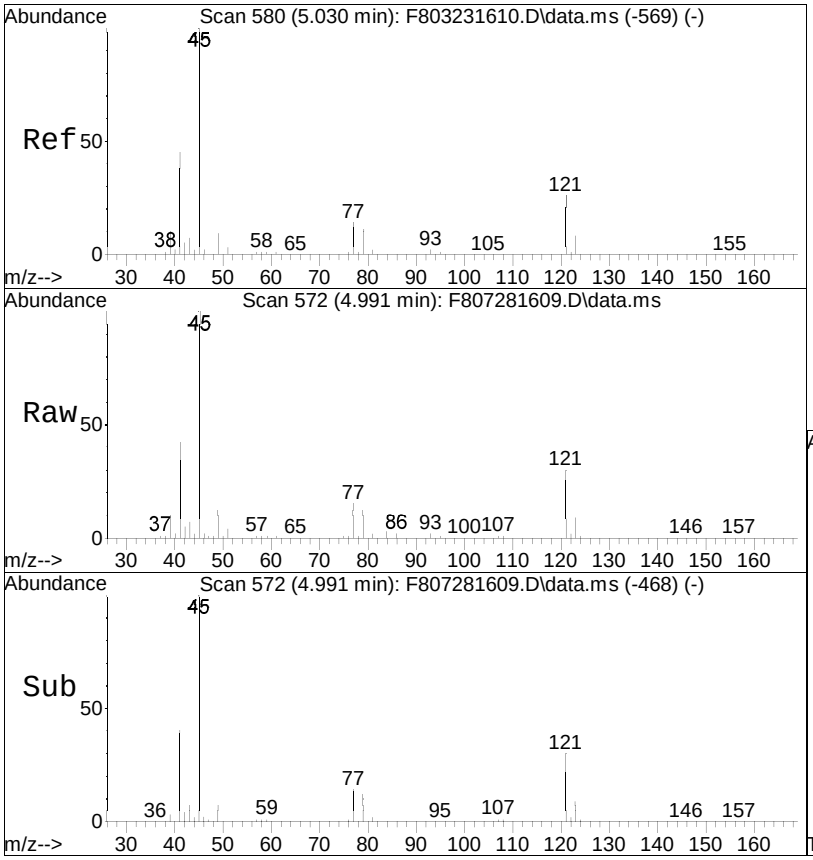


#14
Benzyl alcohol
Concen: 10.32 ug/mL
RT: 4.876 min Scan# 548
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:108 Resp: 531094

Ion	Ratio	Lower	Upper
108	100		
79	118.2	84.5	126.7
77	74.7	52.9	79.3

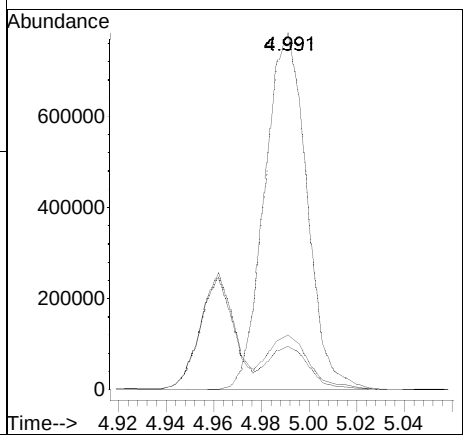


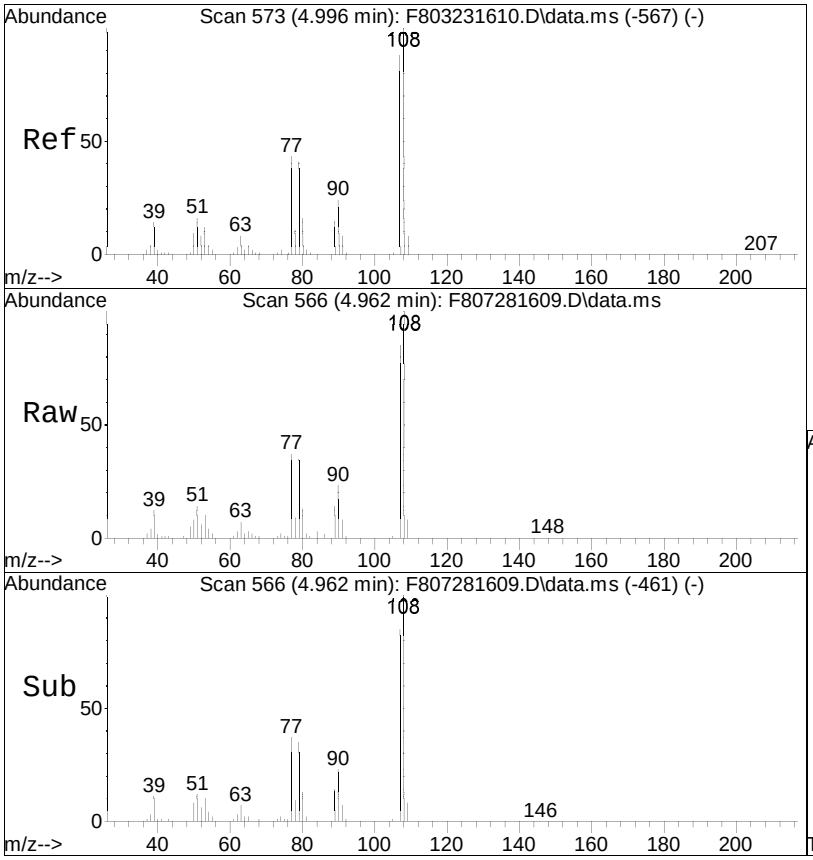


#15
bis(2-chloroisopropyl)ether
Concen: 10.09 ug/mL
RT: 4.991 min Scan# 572
Delta R.T. 0.000 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion: 45 Resp: 954844

Ion	Ratio	Lower	Upper
45	100		
77	0.0	13.2	19.8#
79	0.0	10.9	16.3#

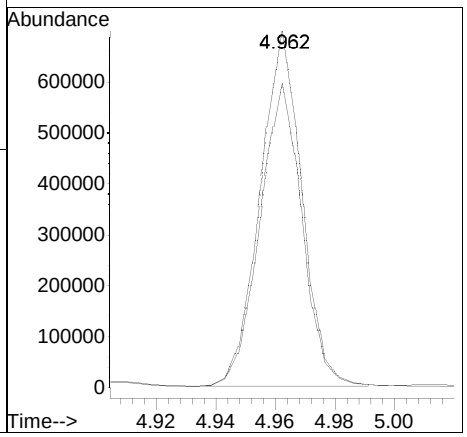


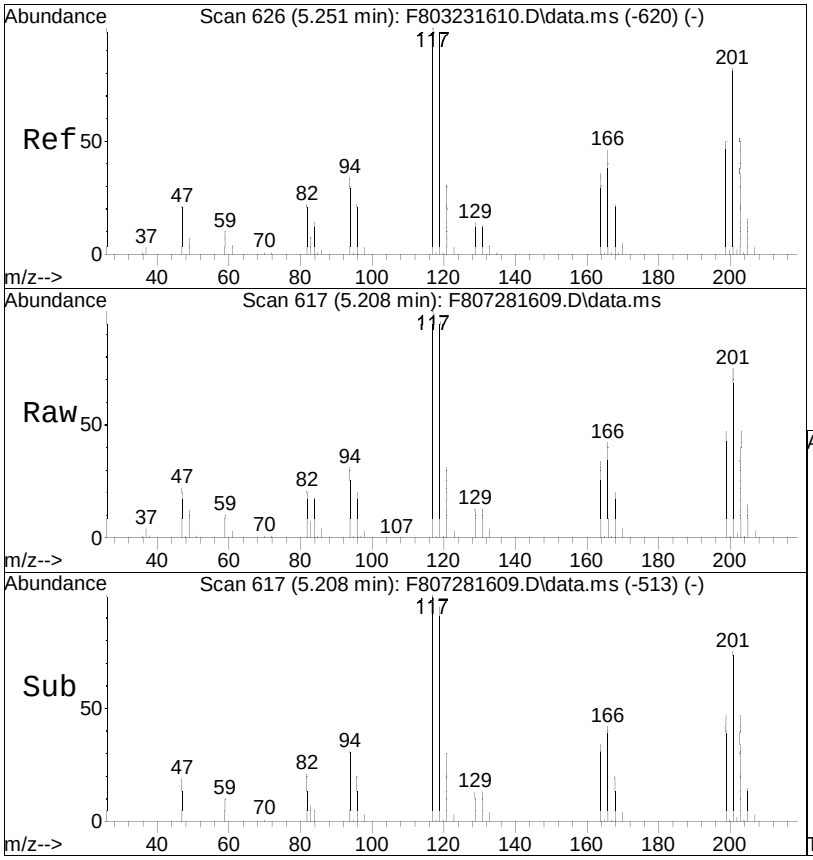


#16
2-Methylphenol
Concen: 10.23 ug/mL
RT: 4.962 min Scan# 566
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:108 Resp: 680493

Ion	Ratio	Lower	Upper
108	100		
107	86.3	68.1	102.1

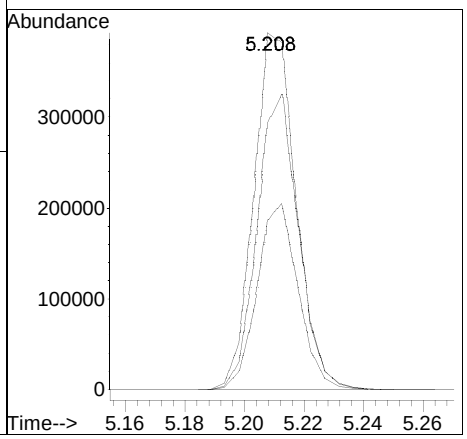


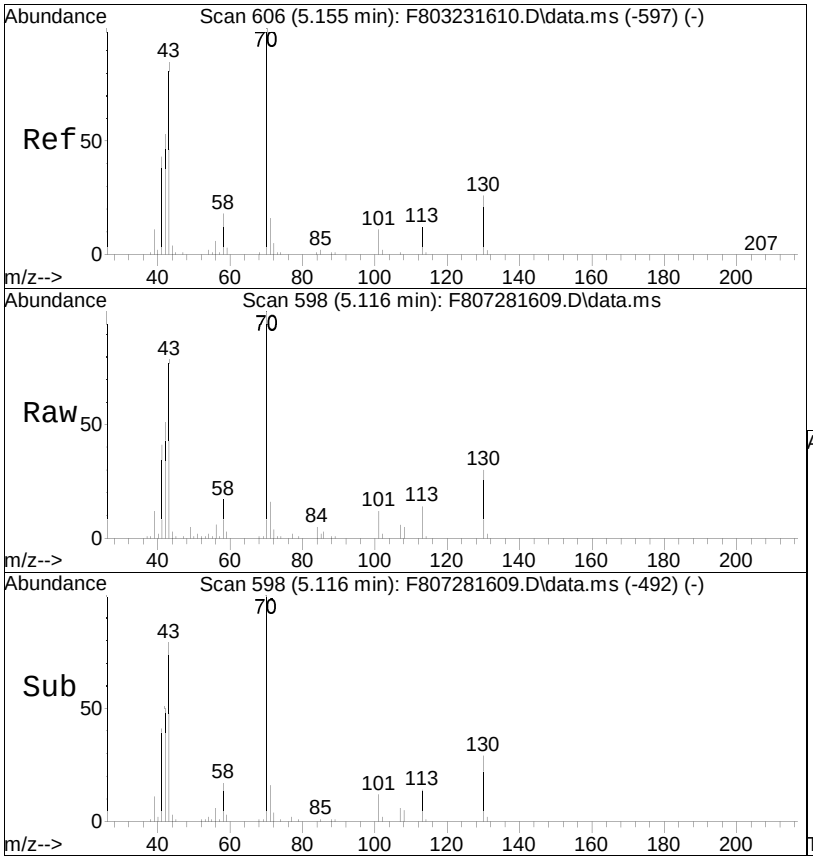


#18
Hexachloroethane
Concen: 10.26 ug/mL
RT: 5.208 min Scan# 617
Delta R.T. -0.000 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:117 Resp: 387590

Ion	Ratio	Lower	Upper
117	100		
201	81.0	62.8	94.2
199	50.7	39.0	58.4

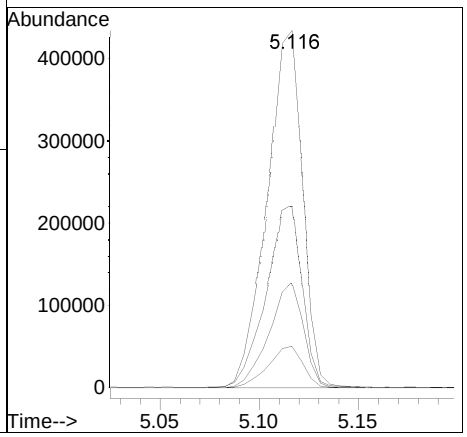


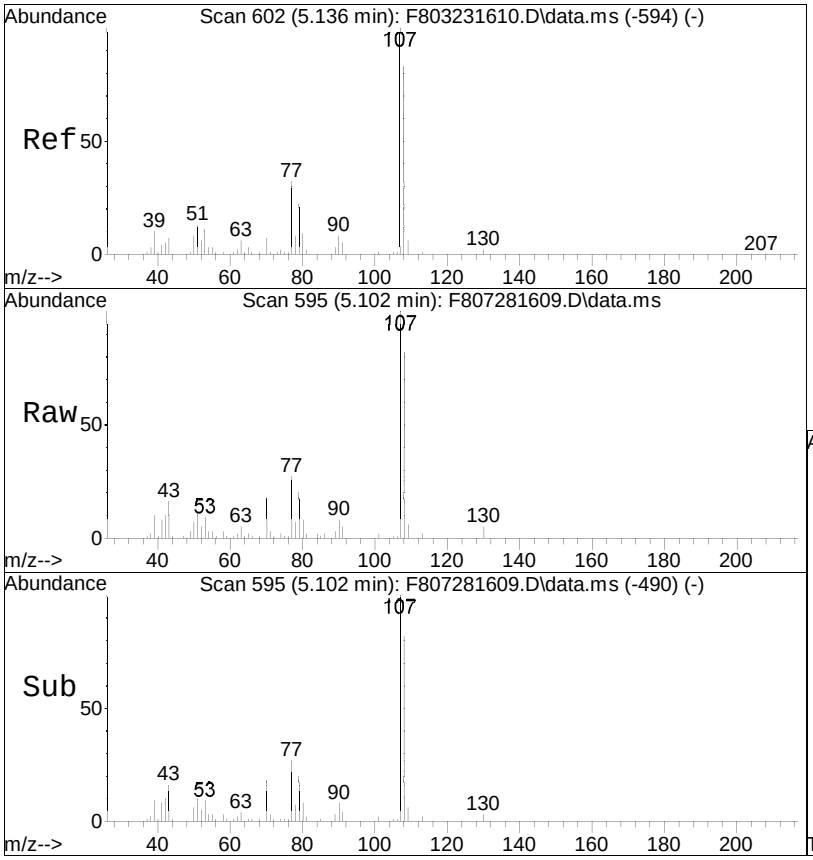


#19
N-Nitroso-di-n-propylamine
Concen: 10.32 ug/mL
RT: 5.116 min Scan# 598
Delta R.T. 0.009 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion: 70 Resp: 536639

Ion	Ratio	Lower	Upper
70	100		
42	51.4	37.1	55.7
130	28.7	24.0	36.0
101	11.5	9.2	13.8

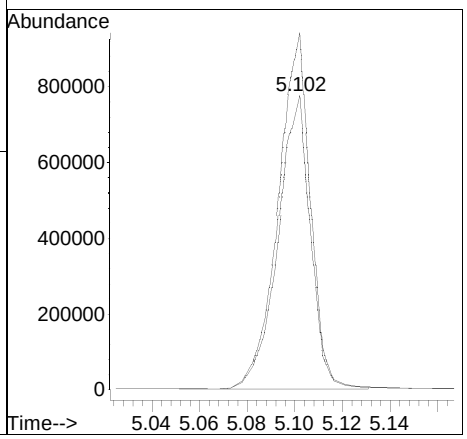


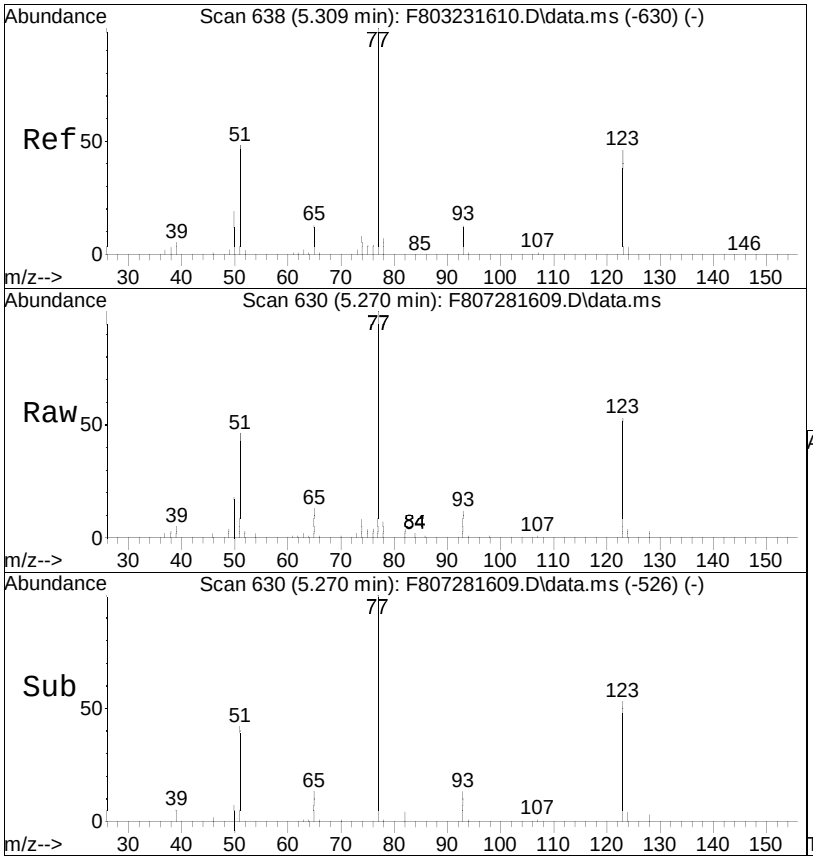


#20
4-Methylphenol
Concen: 10.13 ug/mL
RT: 5.102 min Scan# 595
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:108 Resp: 734698

Ion	Ratio	Lower	Upper
108	100		
107	120.2	94.6	142.0

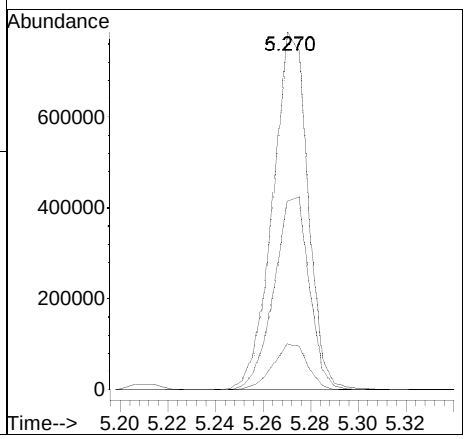


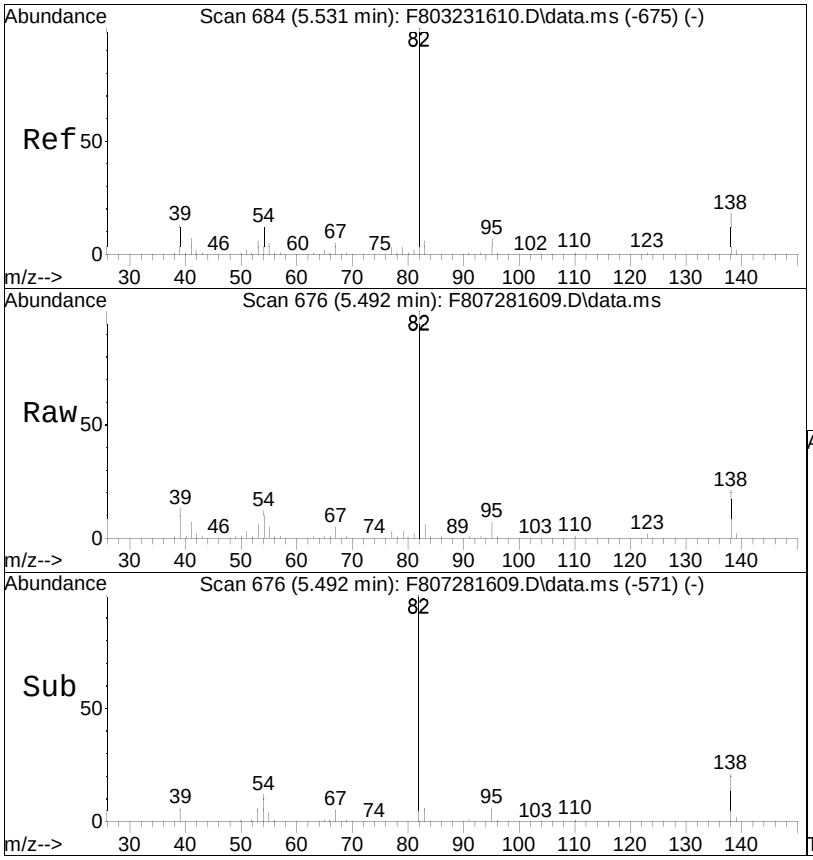


#23
Nitrobenzene
Concen: 10.38 ug/mL
RT: 5.270 min Scan# 630
Delta R.T. 0.000 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion: 77 Resp: 797827

Ion	Ratio	Lower	Upper
77	100		
123	54.3	45.4	68.2
65	13.0	10.2	15.4

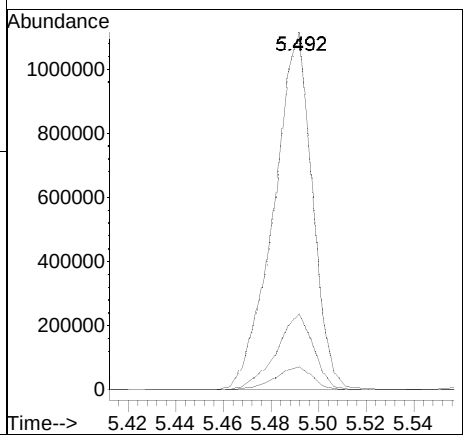


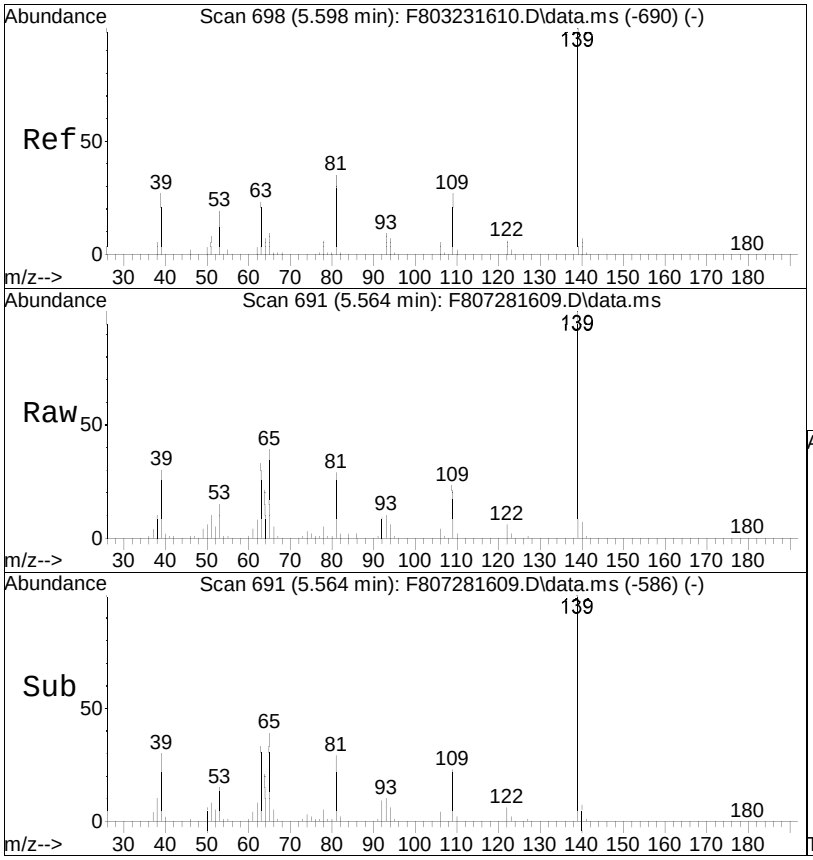


#24
Isophorone
Concen: 10.40 ug/mL
RT: 5.492 min Scan# 676
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion: 82 Resp: 1251164

Ion	Ratio	Lower	Upper
82	100		
138	20.8	17.0	25.4
95	6.5	4.9	7.3

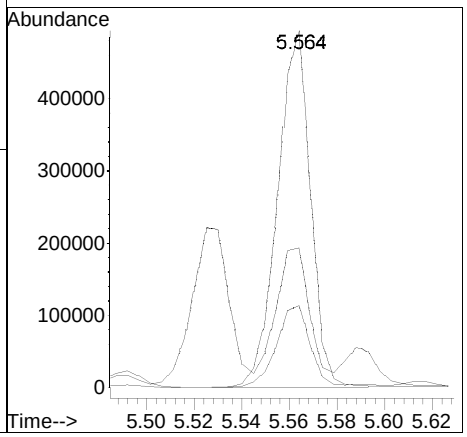


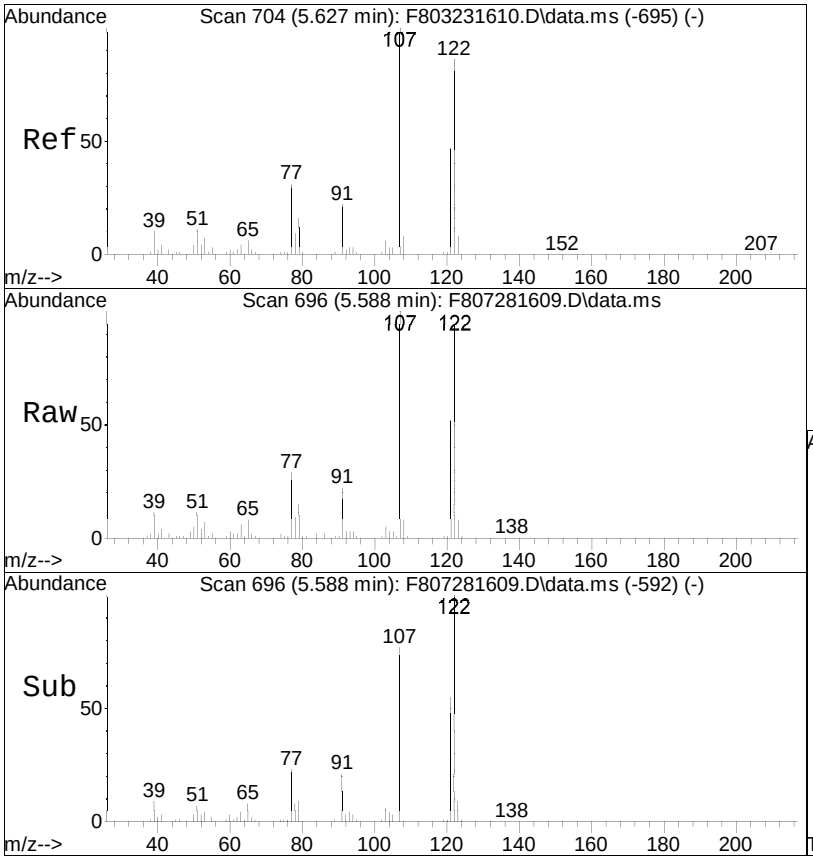


#25
2-Nitrophenol
Concen: 10.72 ug/mL
RT: 5.564 min Scan# 691
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:139 Resp: 471853

Ion	Ratio	Lower	Upper
139	100		
65	38.3	28.4	42.6
109	24.2	16.3	24.5

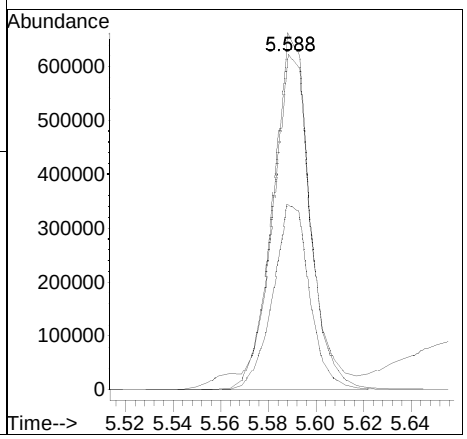


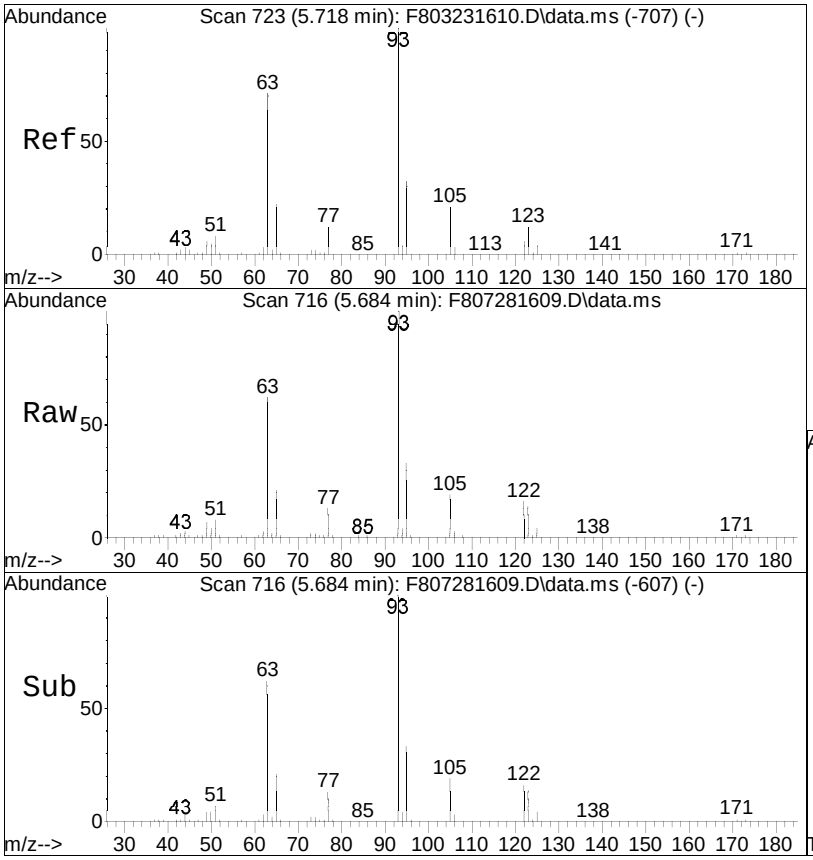


#26
2,4-Dimethylphenol
Concen: 10.22 ug/mL
RT: 5.588 min Scan# 696
Delta R.T. 0.000 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:107 Resp: 709503

Ion	Ratio	Lower	Upper
107	100		
122	101.7	78.4	117.6
121	52.2	43.0	64.6

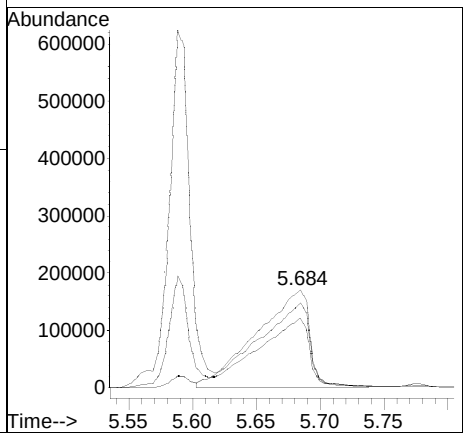


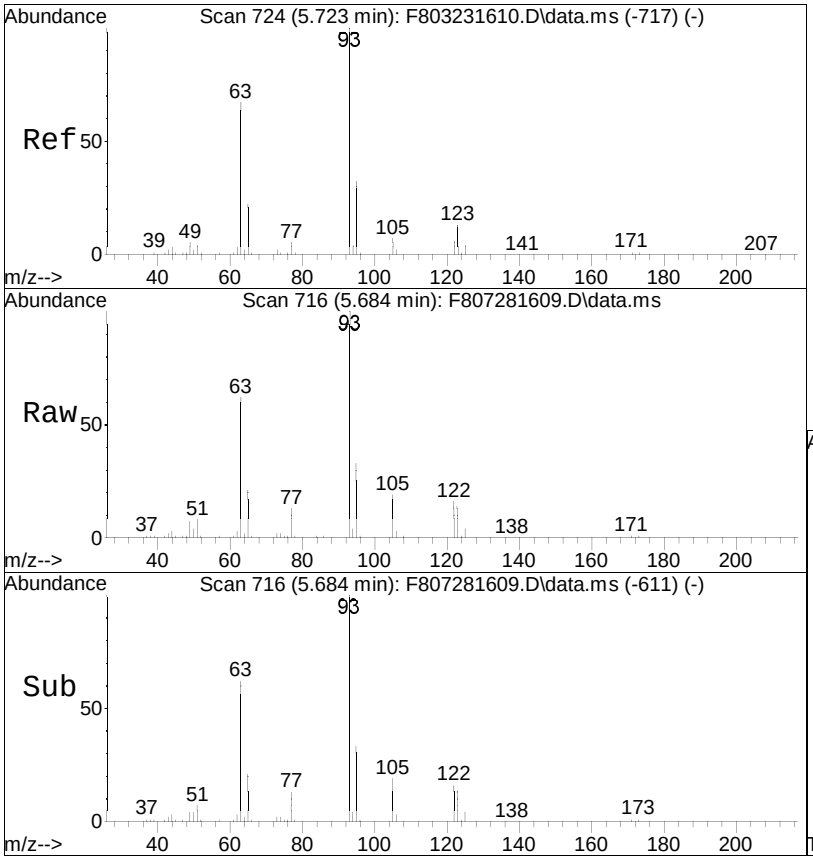


#27
Benzoic acid
Concen: 9.73 ug/mL M4
RT: 5.684 min Scan# 716
Delta R.T. 0.024 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:105 Resp: 501163

Ion	Ratio	Lower	Upper
105	100		
122	77.8	70.9	106.3
77	66.3	53.4	80.0

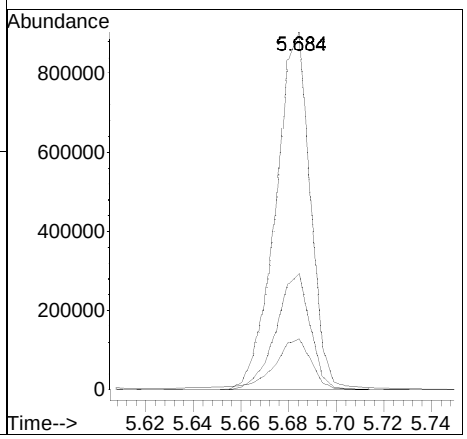


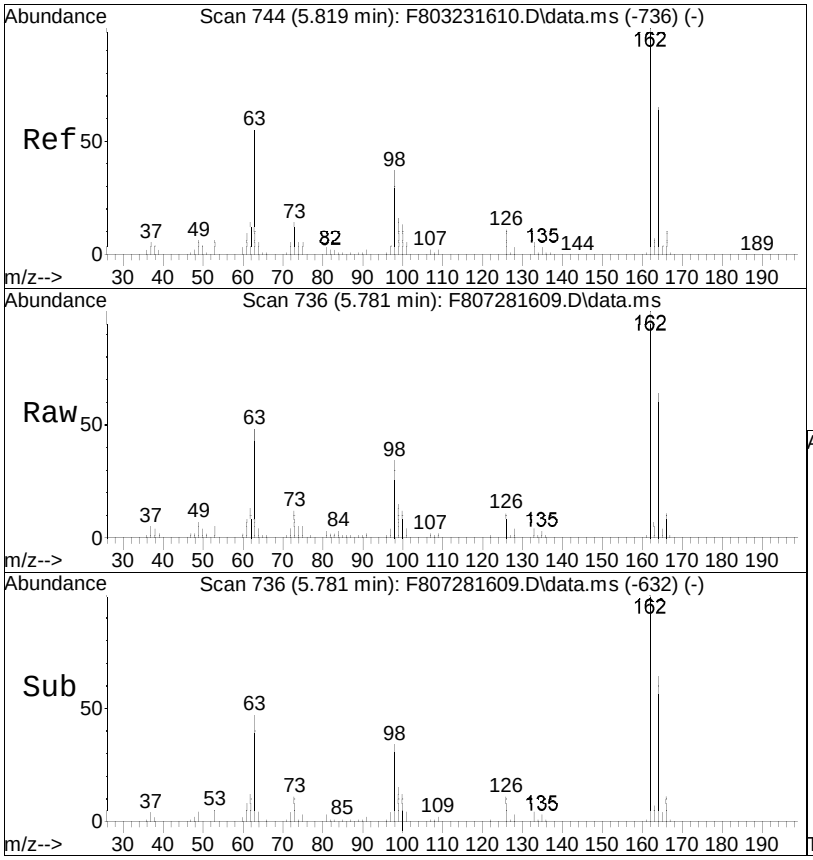


#28
bis(2-Chloroethoxy)methane
Concen: 10.24 ug/mL
RT: 5.684 min Scan# 716
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion: 93 Resp: 904678

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.7	40.1
123	16.0	11.9	17.9

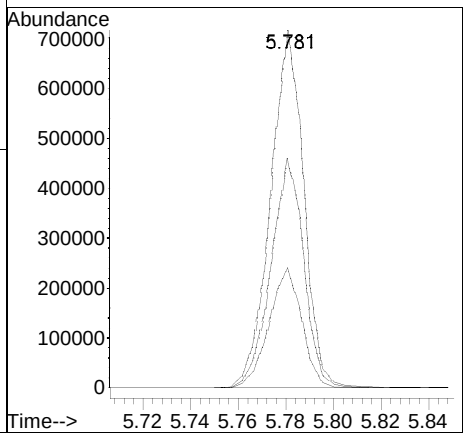


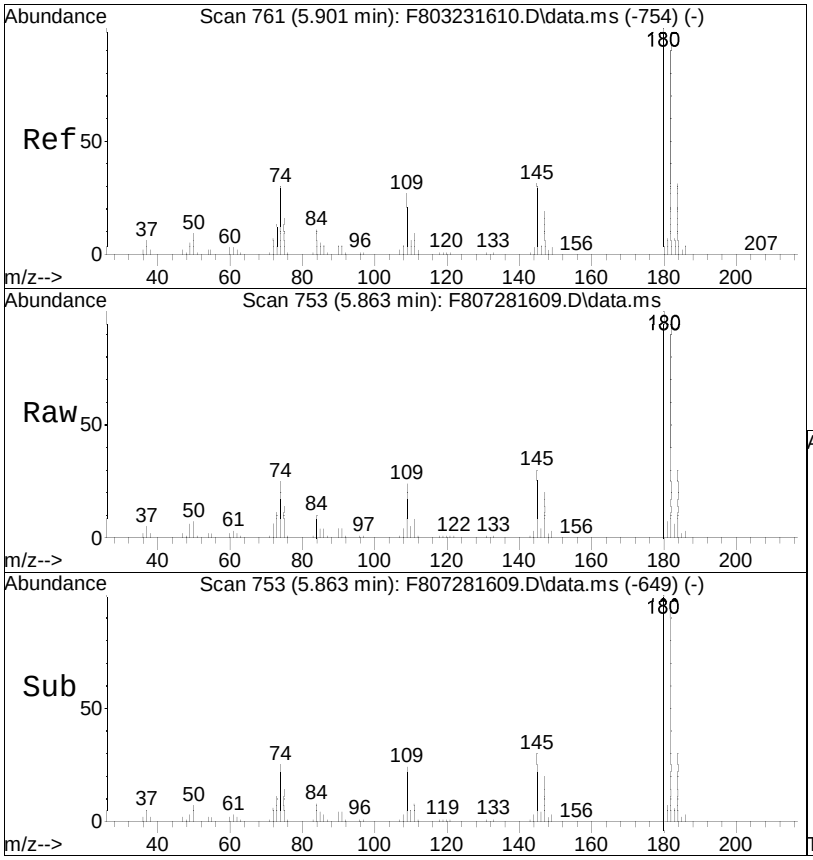


#29
2,4-Dichlorophenol
Concen: 10.56 ug/mL
RT: 5.781 min Scan# 736
Delta R.T. -0.000 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:162 Resp: 687665

Ion	Ratio	Lower	Upper
162	100		
164	63.8	50.8	76.2
98	33.6	26.3	39.5

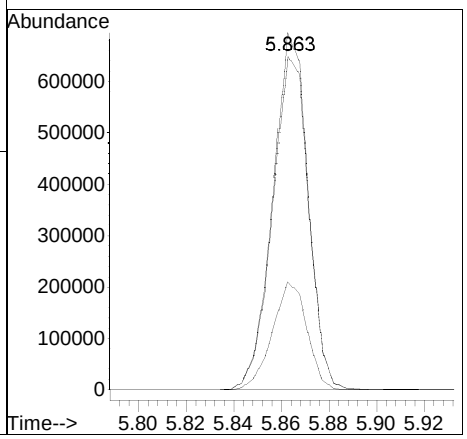


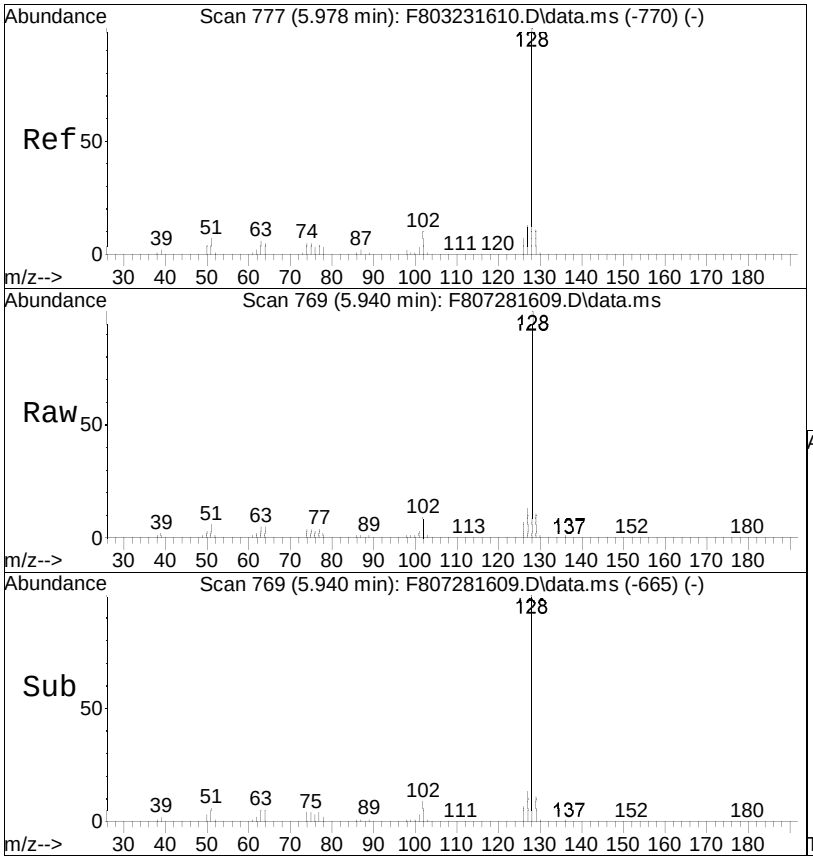


#30
1,2,4-Trichlorobenzene
Concen: 10.27 ug/mL
RT: 5.863 min Scan# 753
Delta R.T. -0.000 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:180 Resp: 714024

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
145	29.8	23.6	35.4

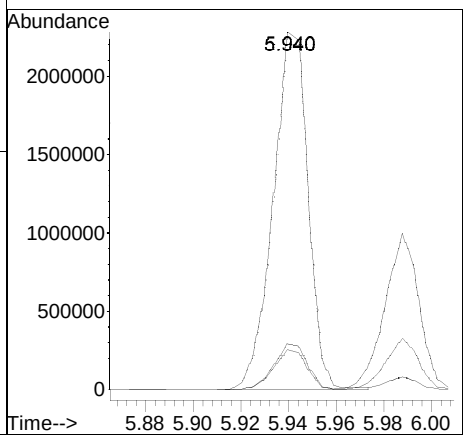


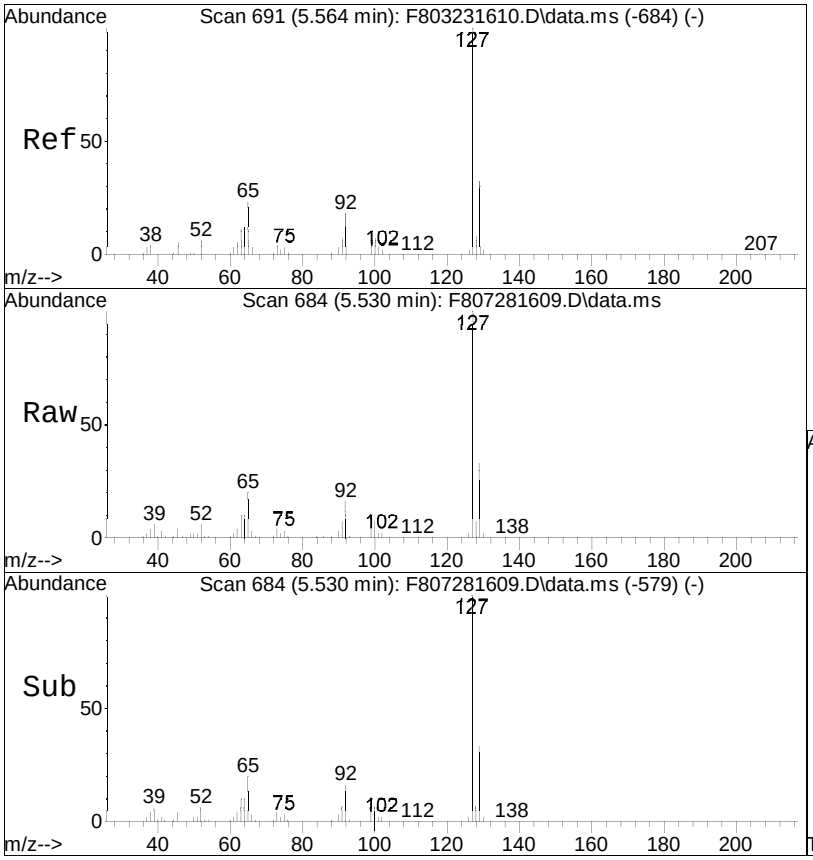


#31
Naphthalene
Concen: 10.31 ug/mL
RT: 5.940 min Scan# 769
Delta R.T. -0.000 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:128 Resp: 2316724

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.4
127	12.6	10.0	15.0

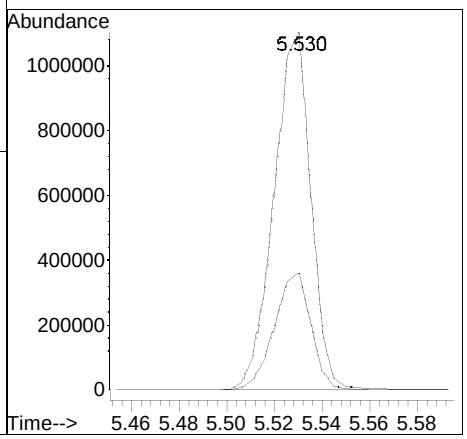


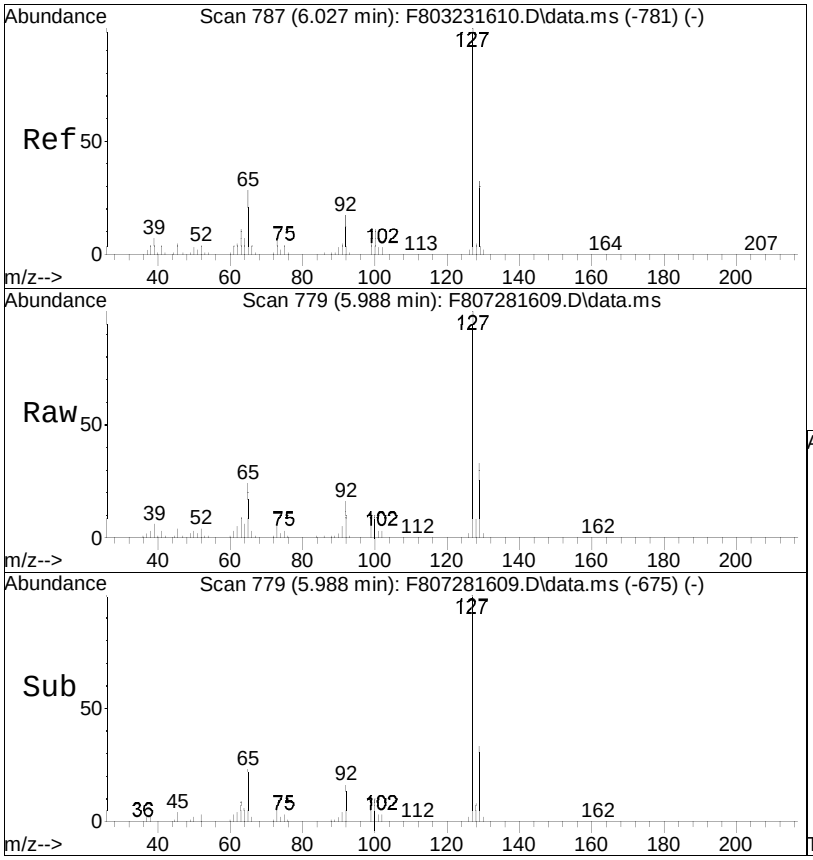


#32
2-Chloroaniline
Concen: 10.34 ug/ml
RT: 5.530 min Scan# 684
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:127 Resp: 1175688

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.2	39.4

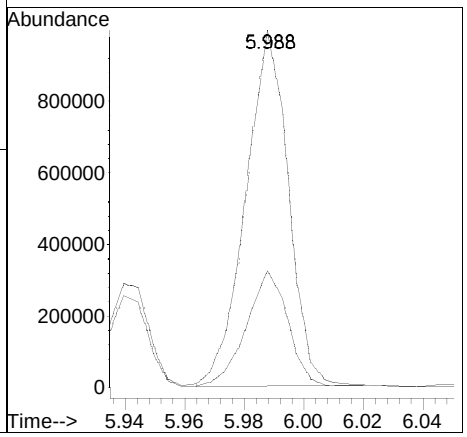


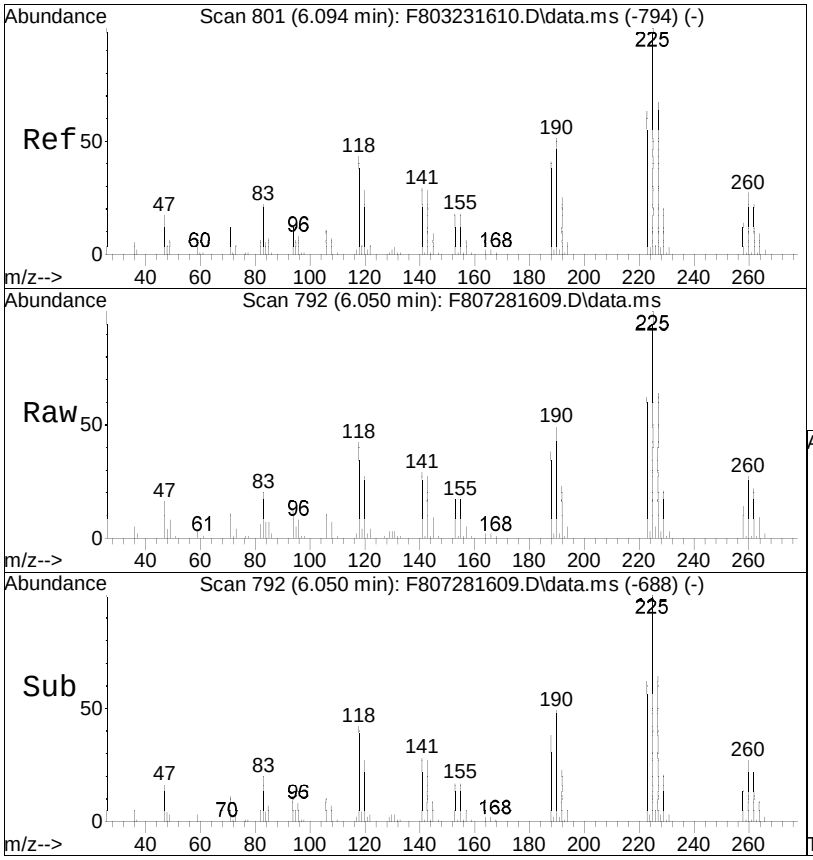


#33
4-Chloroaniline
Concen: 10.19 ug/mL
RT: 5.988 min Scan# 779
Delta R.T. -0.000 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:127 Resp: 981983

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.8	38.6

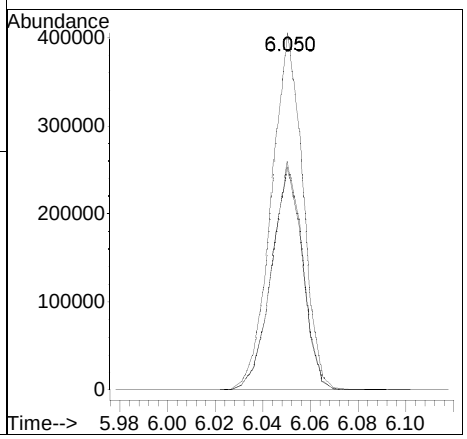


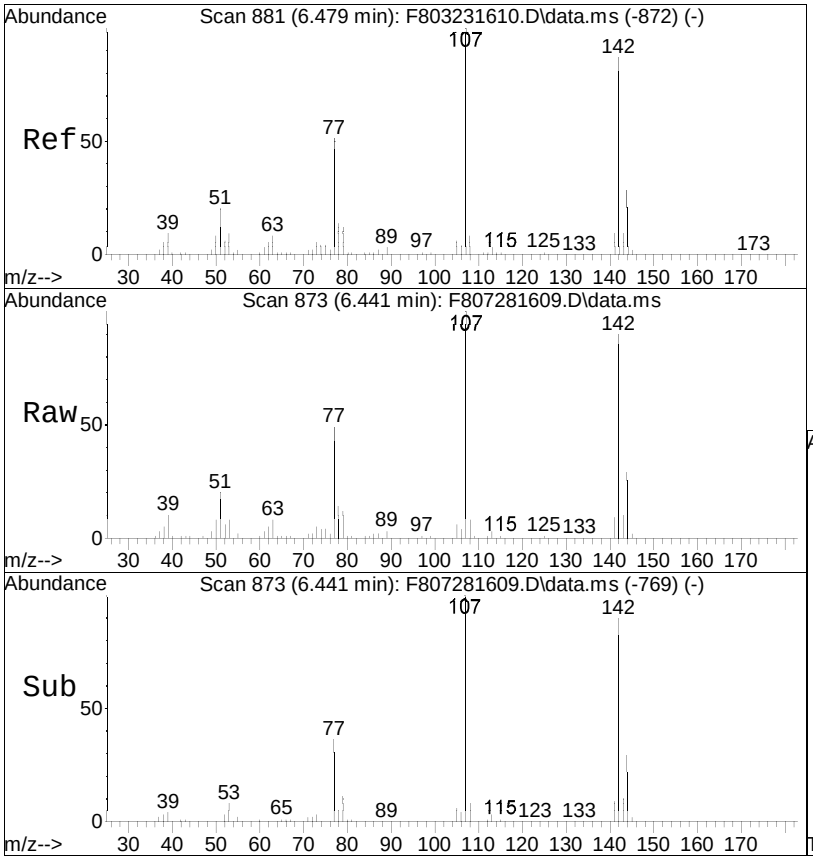


#34
Hexachlorobutadiene
Concen: 10.39 ug/mL
RT: 6.050 min Scan# 792
Delta R.T. 0.000 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:225 Resp: 369679

Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.8	76.2
227	63.6	51.1	76.7

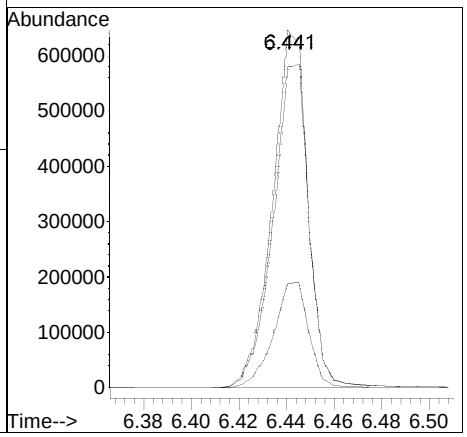


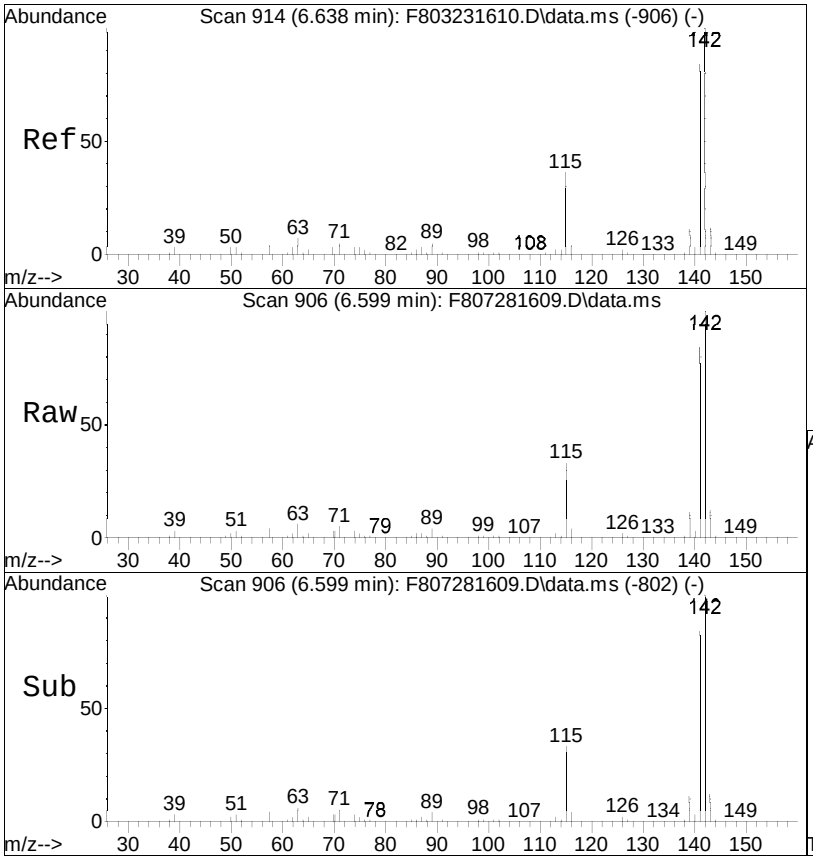


#36
4-Chloro-3-methylphenol
Concen: 10.54 ug/mL
RT: 6.441 min Scan# 873
Delta R.T. 0.000 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:107 Resp: 659535

Ion	Ratio	Lower	Upper
107	100		
144	29.6	24.3	36.5
142	91.4	74.4	111.6

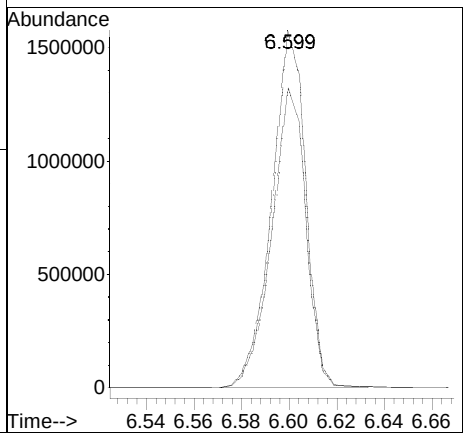


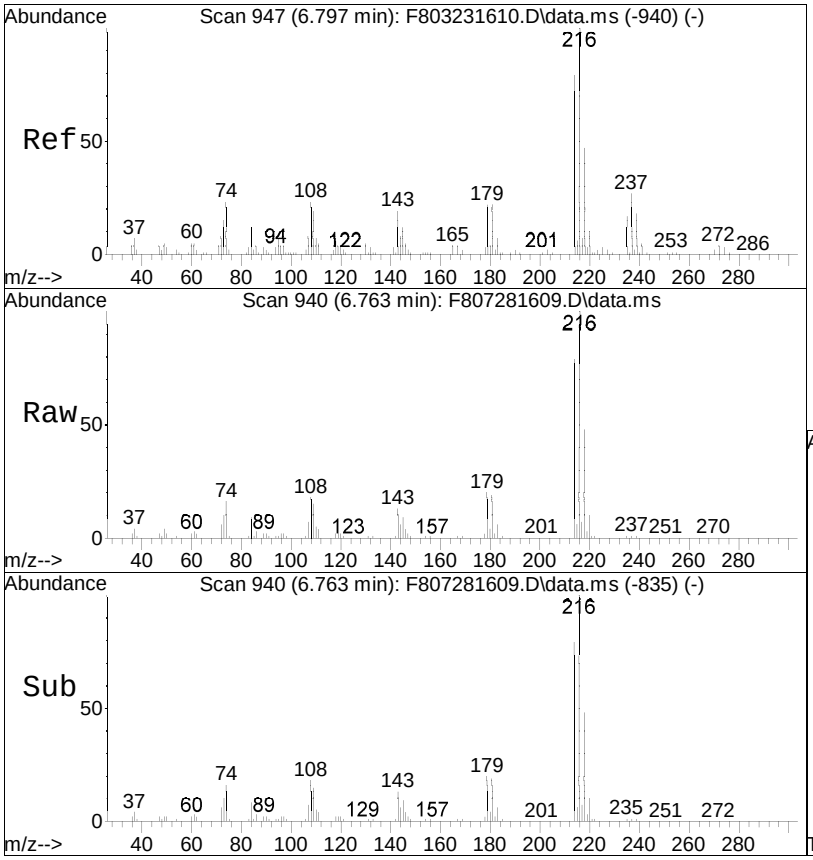


#37
2-Methylnaphthalene
Concen: 10.38 ug/mL
RT: 6.599 min Scan# 906
Delta R.T. 0.000 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:142 Resp: 1549151

Ion	Ratio	Lower	Upper
142	100		
141	84.3	66.6	100.0

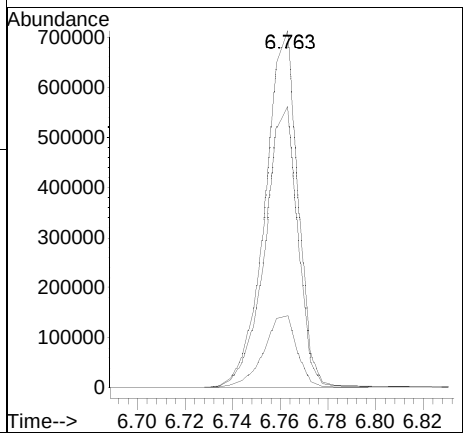


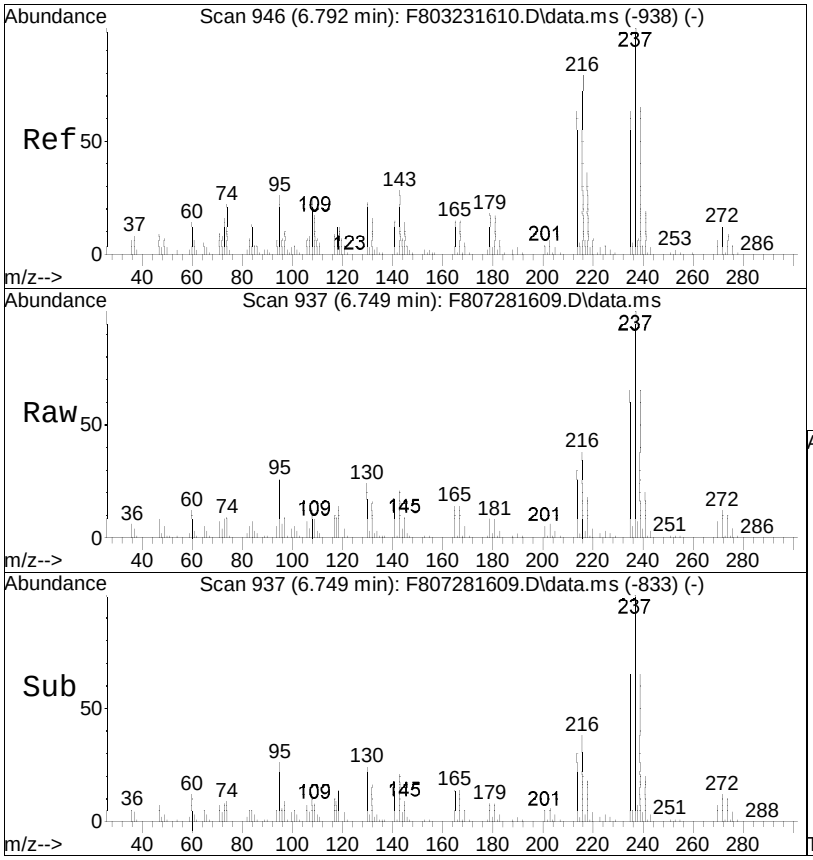


#39
1,2,4,5-Tetrachlorobenzene
Concen: 10.38 ug/mL
RT: 6.763 min Scan# 940
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:216 Resp: 684814

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.0	94.6
179	20.5	16.2	24.4

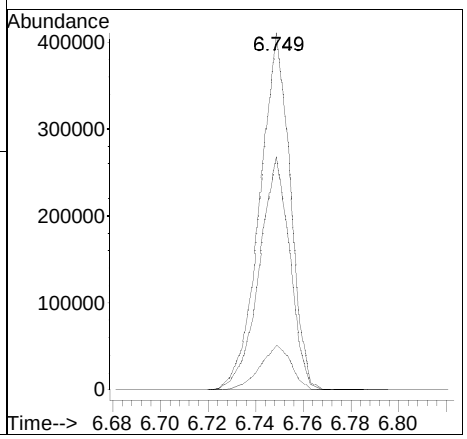


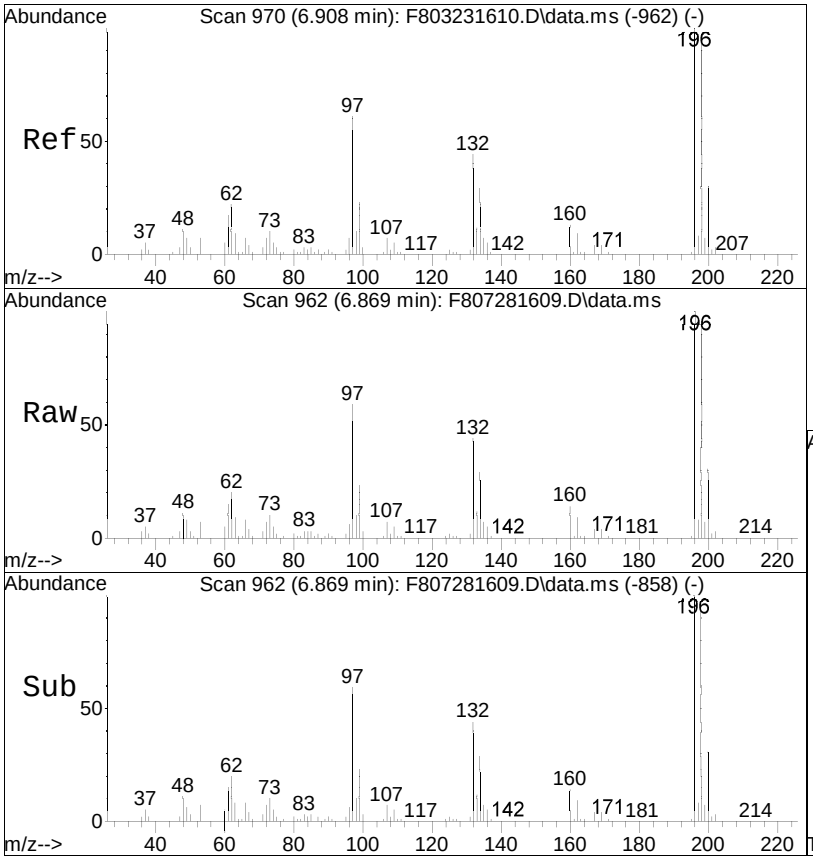


#40
Hexachlorocyclopentadiene
Concen: 11.15 ug/mL
RT: 6.749 min Scan# 937
Delta R.T. -0.000 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:237 Resp: 363841

Ion	Ratio	Lower	Upper
237	100		
235	66.0	53.3	79.9
272	12.9	10.9	16.3

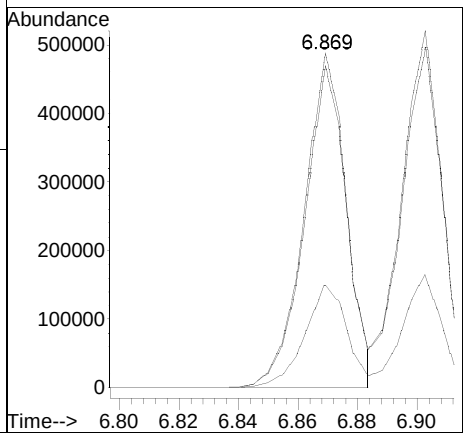


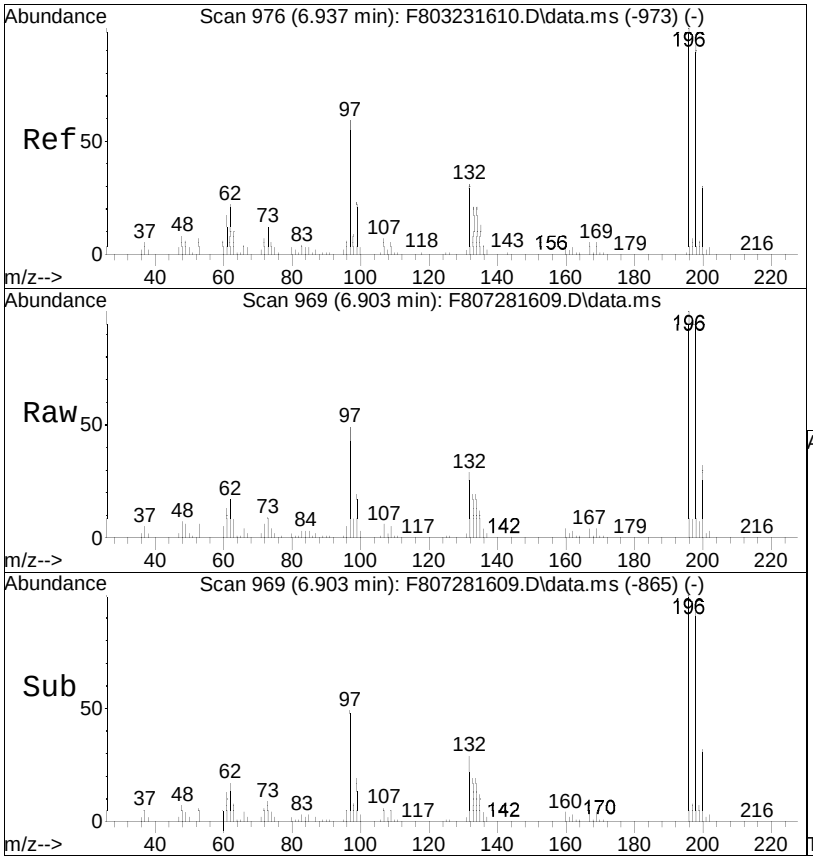


#41
2,4,6-Trichlorophenol
Concen: 10.52 ug/mL M4
RT: 6.869 min Scan# 962
Delta R.T. 0.000 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:196 Resp: 482972

Ion	Ratio	Lower	Upper
196	100		
198	92.3	73.6	110.4
200	29.8	23.5	35.3

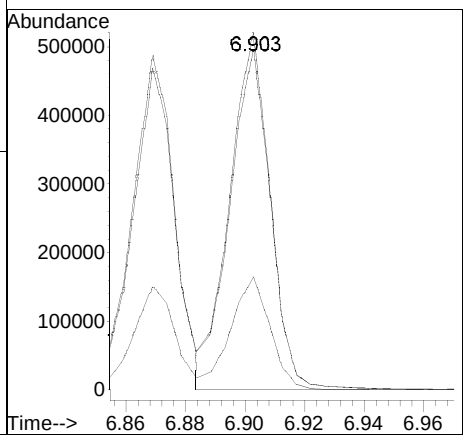


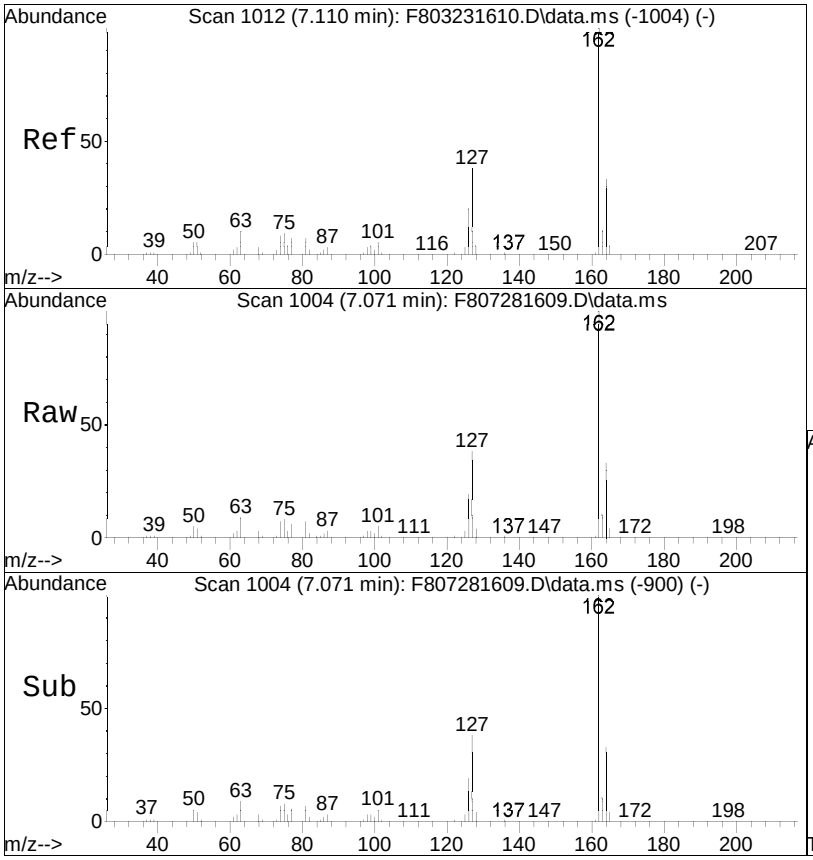


#42
2,4,5-Trichlorophenol
Concen: 10.62 ug/mL M4
RT: 6.903 min Scan# 969
Delta R.T. -0.000 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:196 Resp: 491284

Ion	Ratio	Lower	Upper
196	100		
198	94.5	73.2	109.8
200	30.8	23.9	35.9

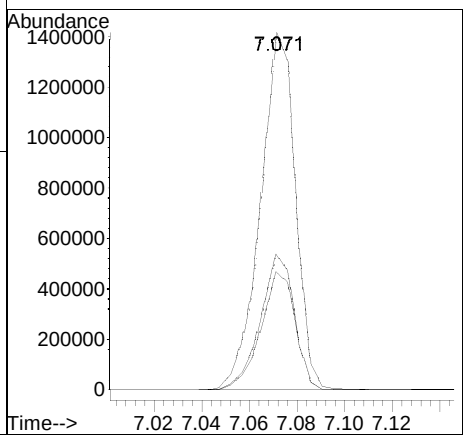


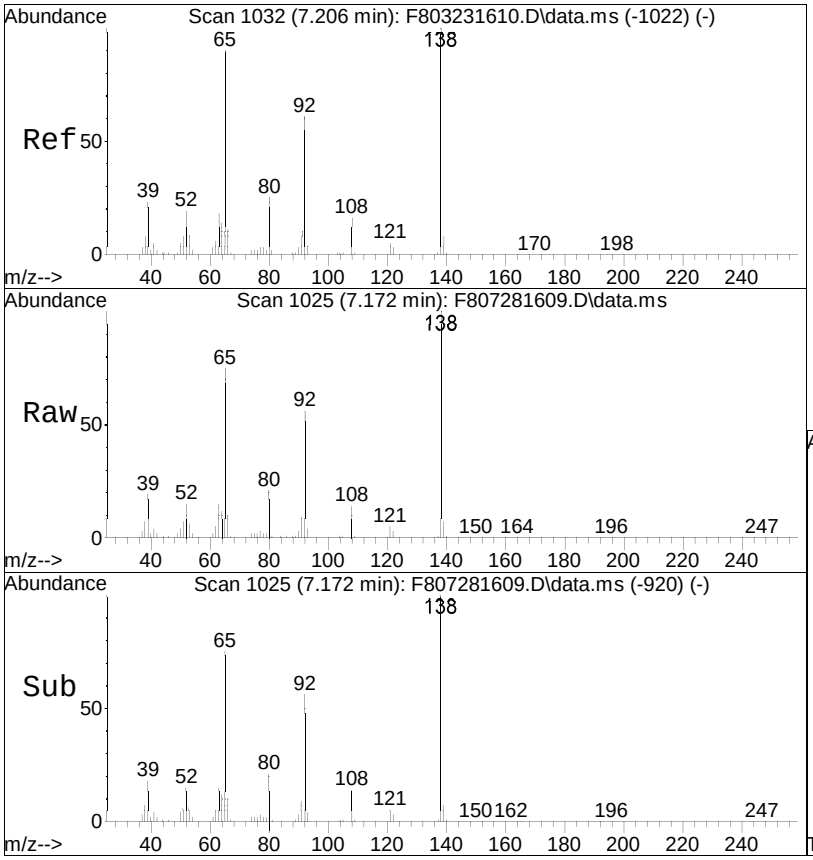


#45
2-Chloronaphthalene
Concen: 10.34 ug/mL
RT: 7.071 min Scan# 1004
Delta R.T. 0.000 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:162 Resp: 1437069

Ion	Ratio	Lower	Upper
162	100		
164	32.9	26.4	39.6
127	37.1	30.2	45.2

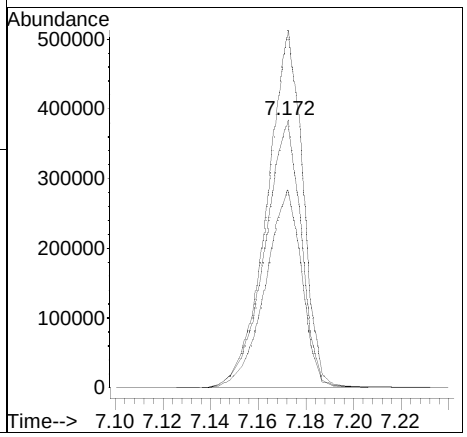


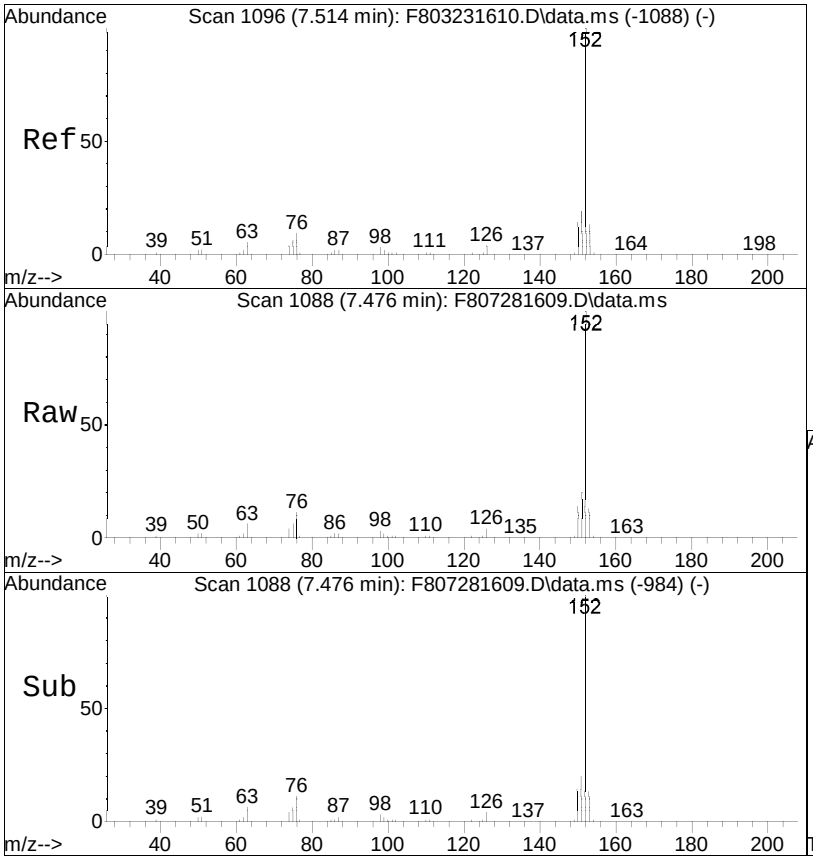


#46
2-Nitroaniline
Concen: 10.66 ug/mL
RT: 7.172 min Scan# 1025
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion: 65 Resp: 404602

Ion	Ratio	Lower	Upper
65	100		
92	74.4	61.0	91.4
138	131.5	122.0	183.0

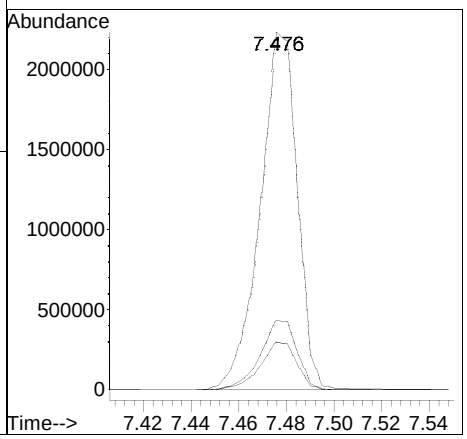


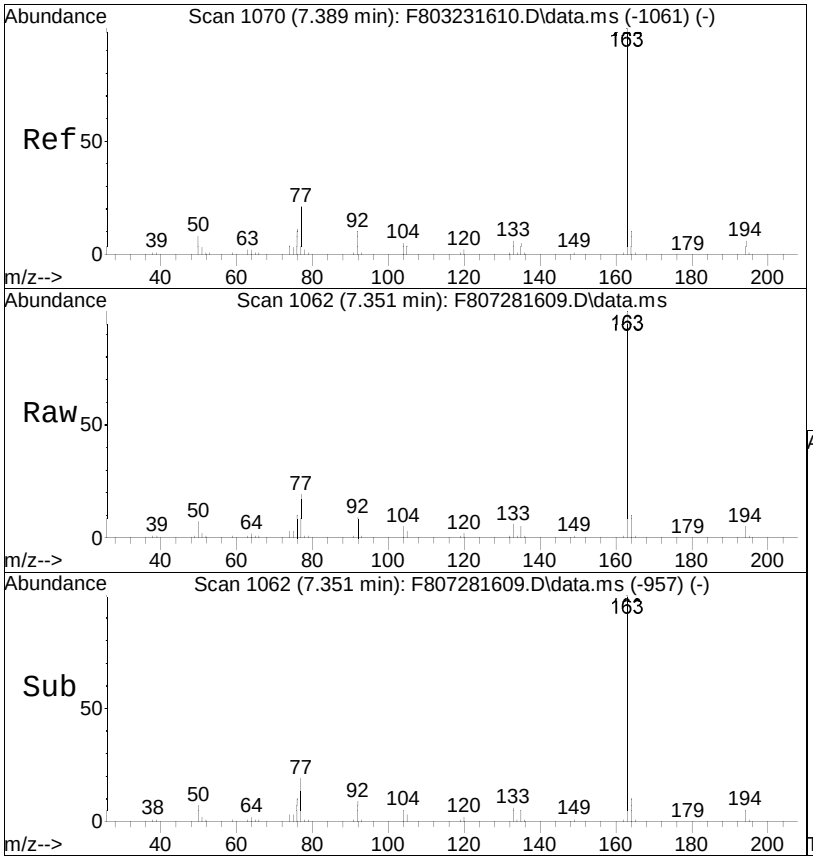


#47
Acenaphthylene
Concen: 10.51 ug/mL
RT: 7.476 min Scan# 1088
Delta R.T. -0.000 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:152 Resp: 2390963

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.8	23.8
153	13.3	10.6	16.0

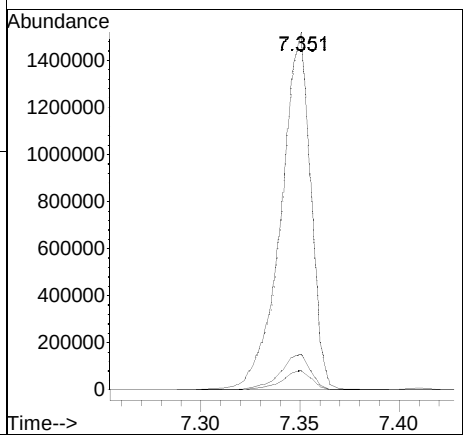


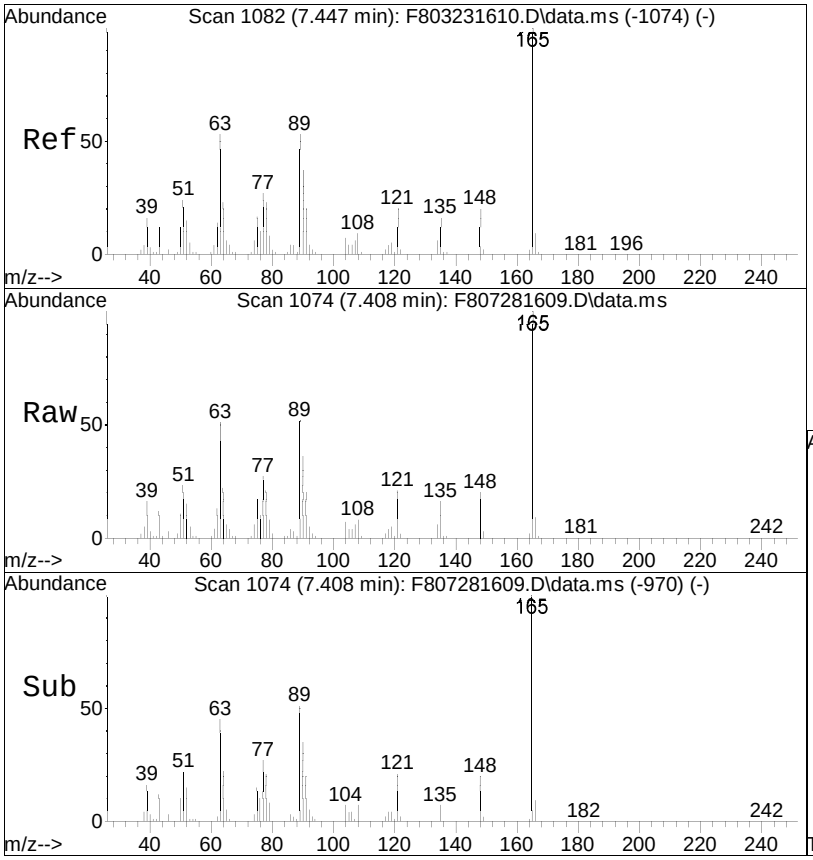


#48
Dimethylphthalate
Concen: 10.30 ug/mL
RT: 7.351 min Scan# 1062
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:163 Resp: 1562541

Ion	Ratio	Lower	Upper
163	100		
194	5.4	4.4	6.6
164	10.2	8.3	12.5

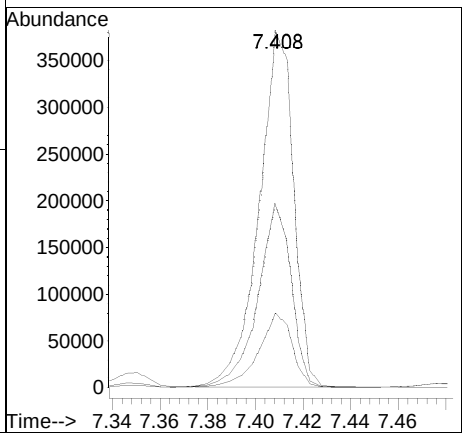


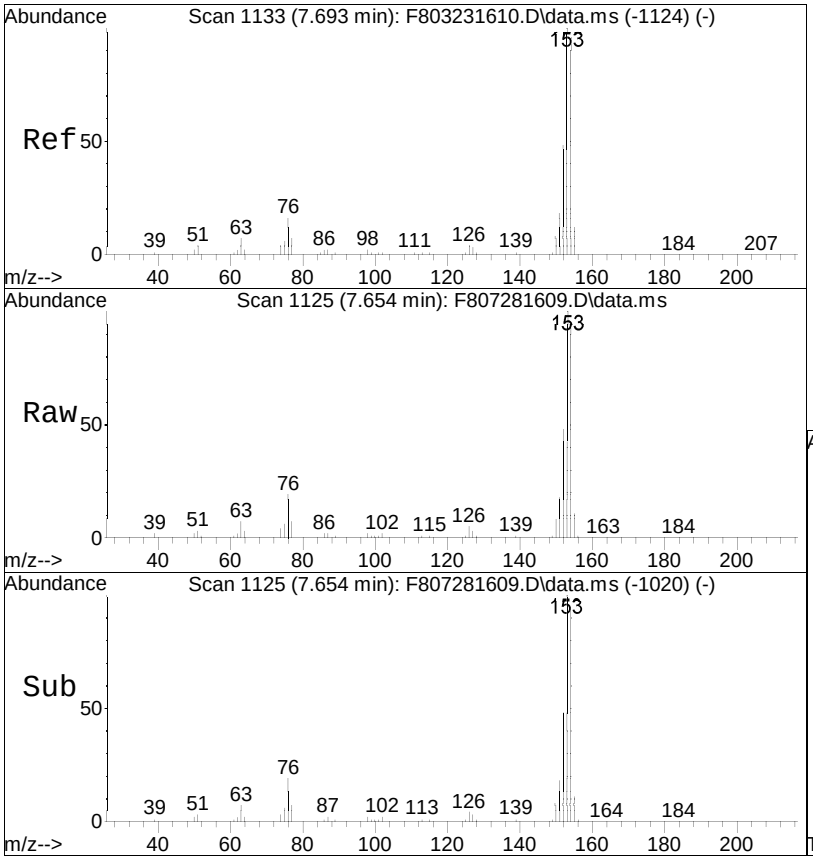


#49
2,6-Dinitrotoluene
Concen: 10.84 ug/mL
RT: 7.408 min Scan# 1074
Delta R.T. 0.000 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:165 Resp: 382916

Ion	Ratio	Lower	Upper
165	100		
89	50.0	40.5	60.7
121	20.6	16.6	25.0

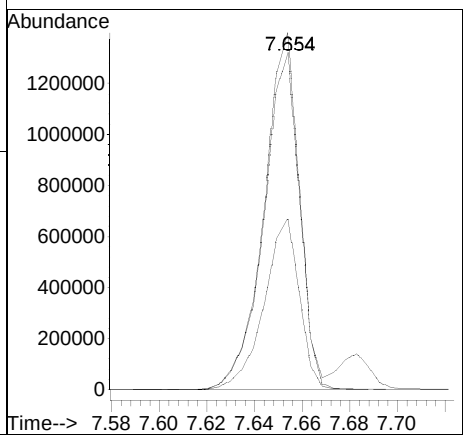


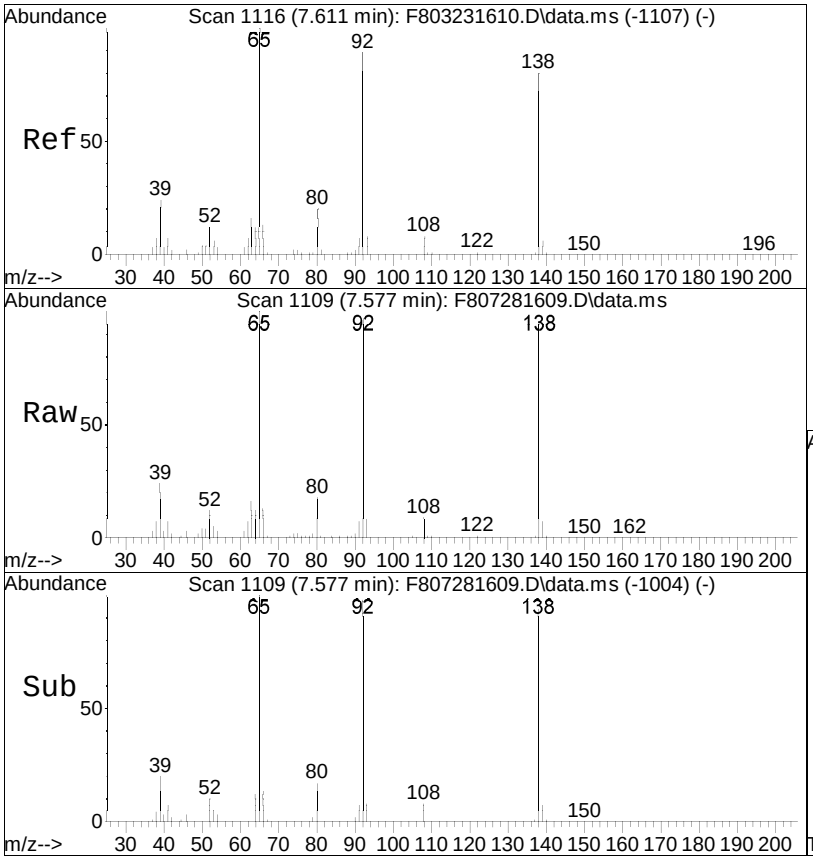


#50
Acenaphthene
Concen: 10.27 ug/mL
RT: 7.654 min Scan# 1125
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:153 Resp: 1444253

Ion	Ratio	Lower	Upper
153	100		
154	96.4	75.4	113.0
152	47.5	39.3	58.9

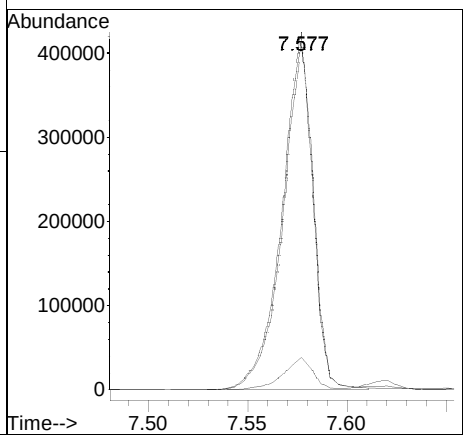


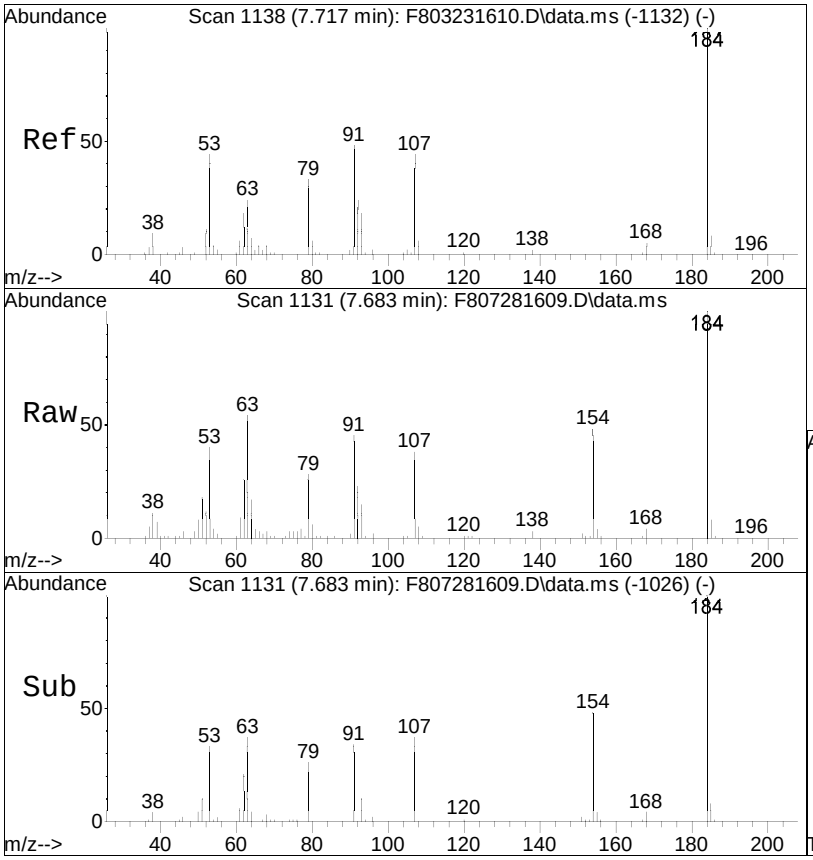


#51
3-Nitroaniline
Concen: 10.71 ug/mL
RT: 7.577 min Scan# 1109
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:138 Resp: 435748

Ion	Ratio	Lower	Upper
138	100		
108	9.3	8.9	13.3
92	102.7	72.2	108.4

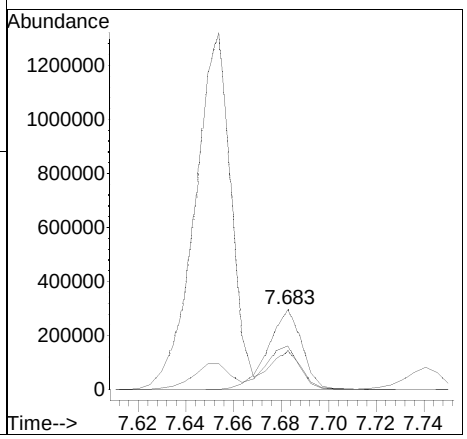


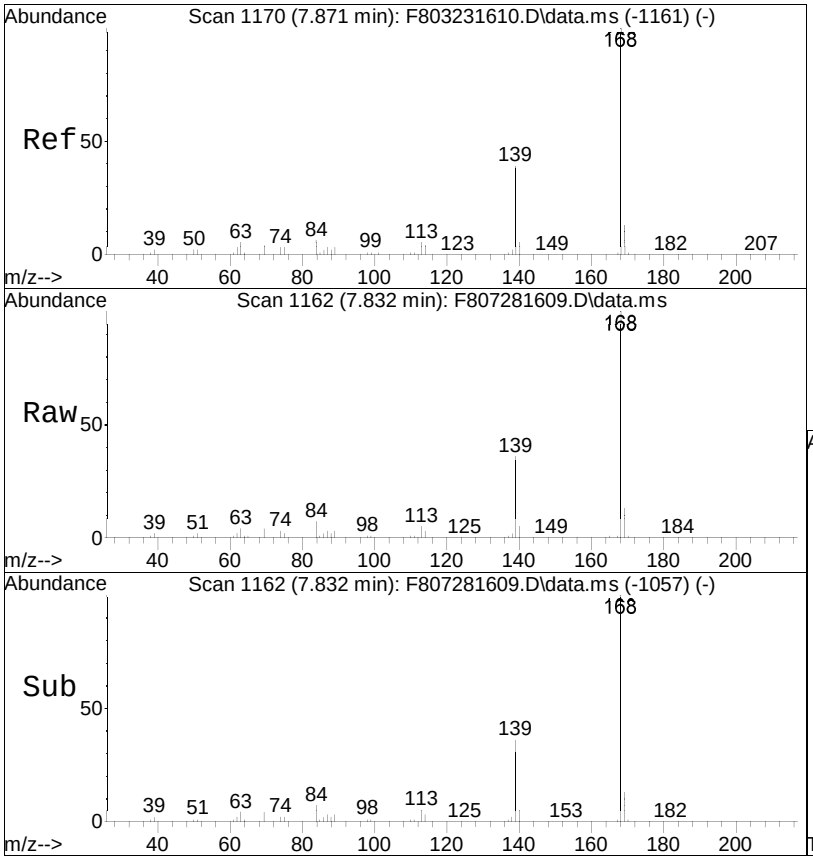


#52
2,4-Dinitrophenol
Concen: 10.84 ug/mL
RT: 7.683 min Scan# 1131
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:184 Resp: 298942

Ion	Ratio	Lower	Upper
184	100		
63	89.7	43.8	65.6#
154	36.4	37.1	55.7#

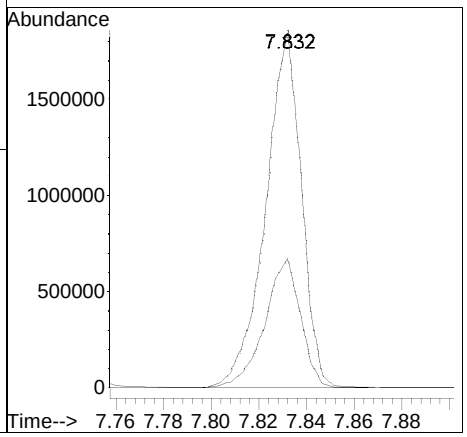


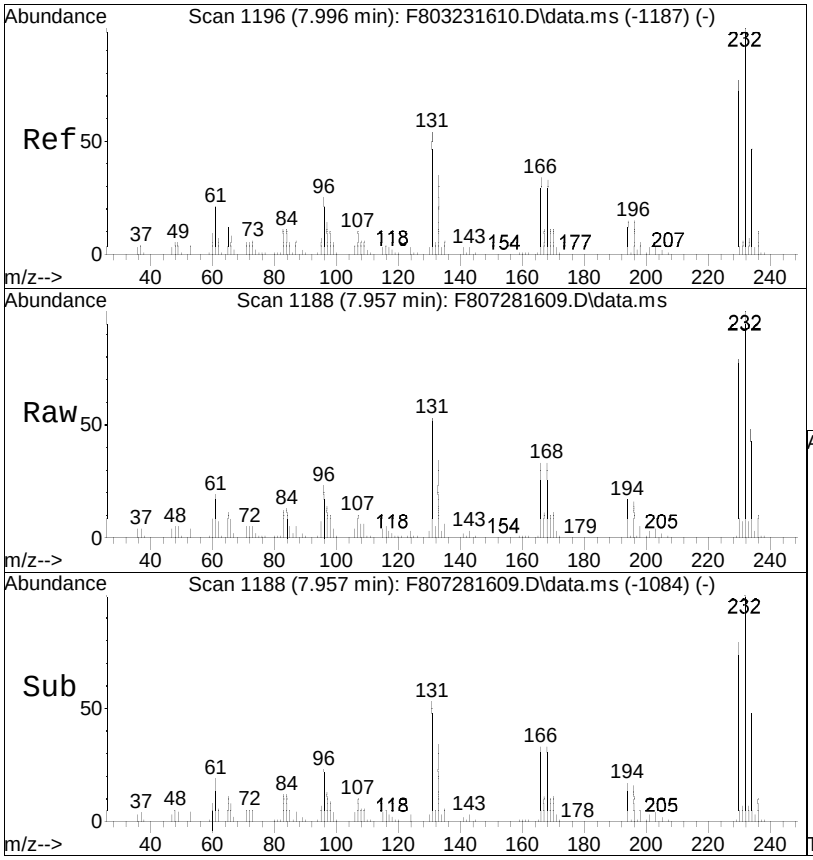


#53
Dibenzofuran
Concen: 10.34 ug/mL
RT: 7.832 min Scan# 1162
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:168 Resp: 1910635

Ion	Ratio	Lower	Upper
168	100		
139	36.3	28.8	43.2

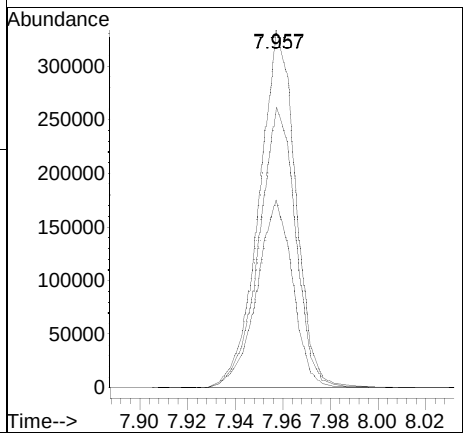


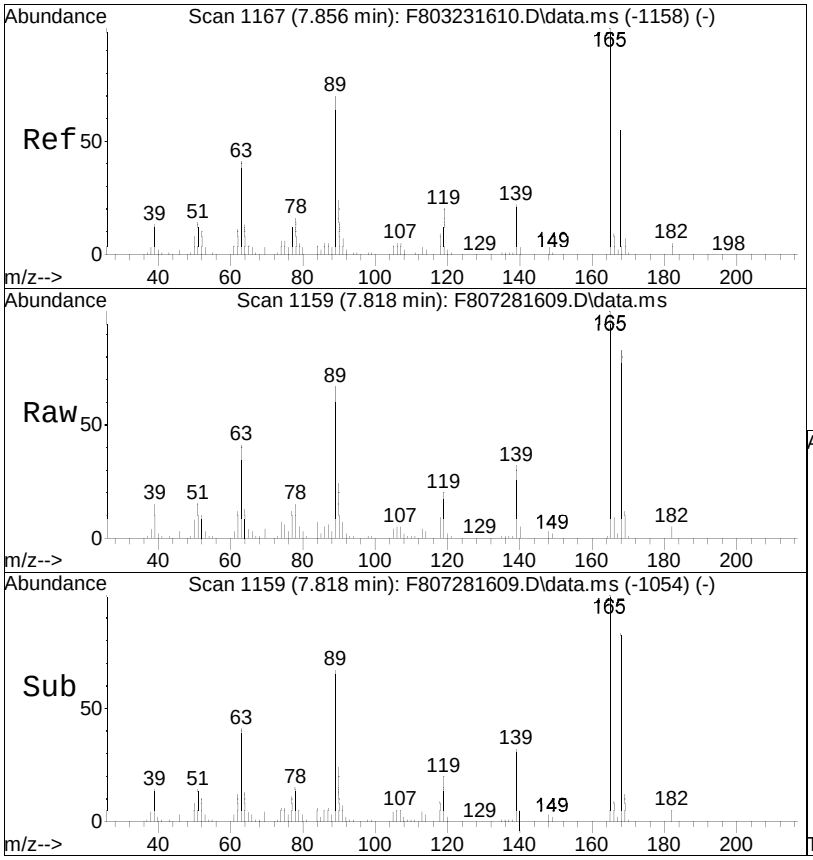


#54
2,3,4,6-Tetrachlorophenol
Concen: 10.84 ug/mL
RT: 7.957 min Scan# 1188
Delta R.T. 0.000 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:232 Resp: 354825

Ion	Ratio	Lower	Upper
232	100		
131	52.3	43.1	64.7
230	78.7	63.0	94.6

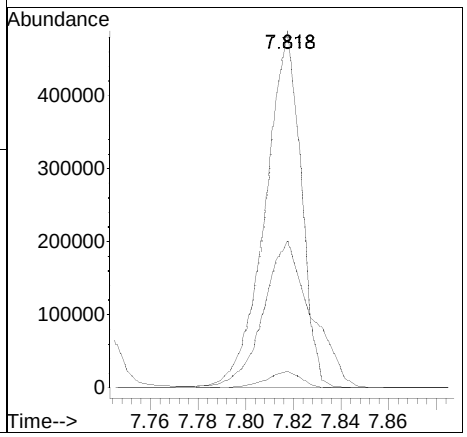


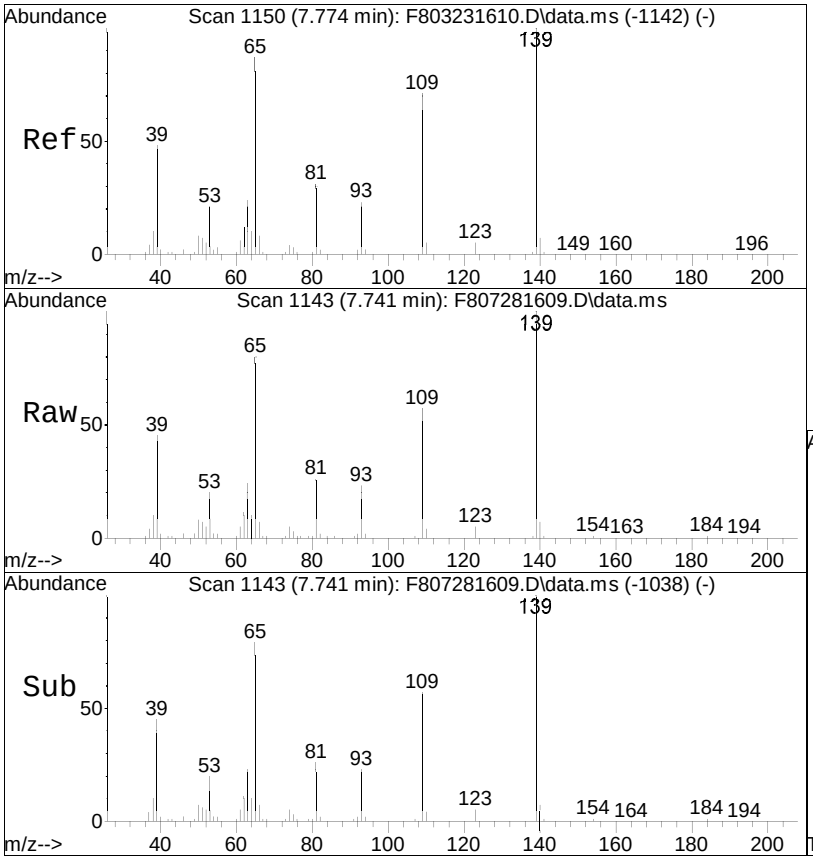


#55
2,4-Dinitrotoluene
Concen: 11.09 ug/mL
RT: 7.818 min Scan# 1159
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:165 Resp: 505254

Ion	Ratio	Lower	Upper
165	100		
63	55.1	30.9	46.3#
182	4.6	3.5	5.3

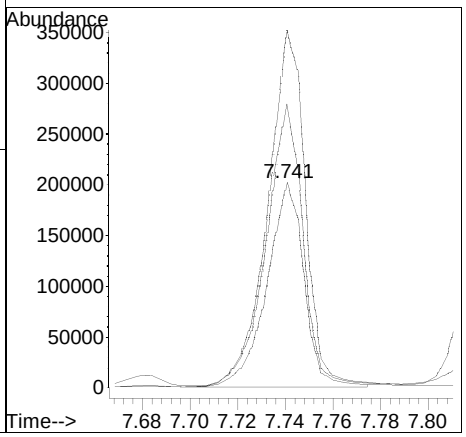


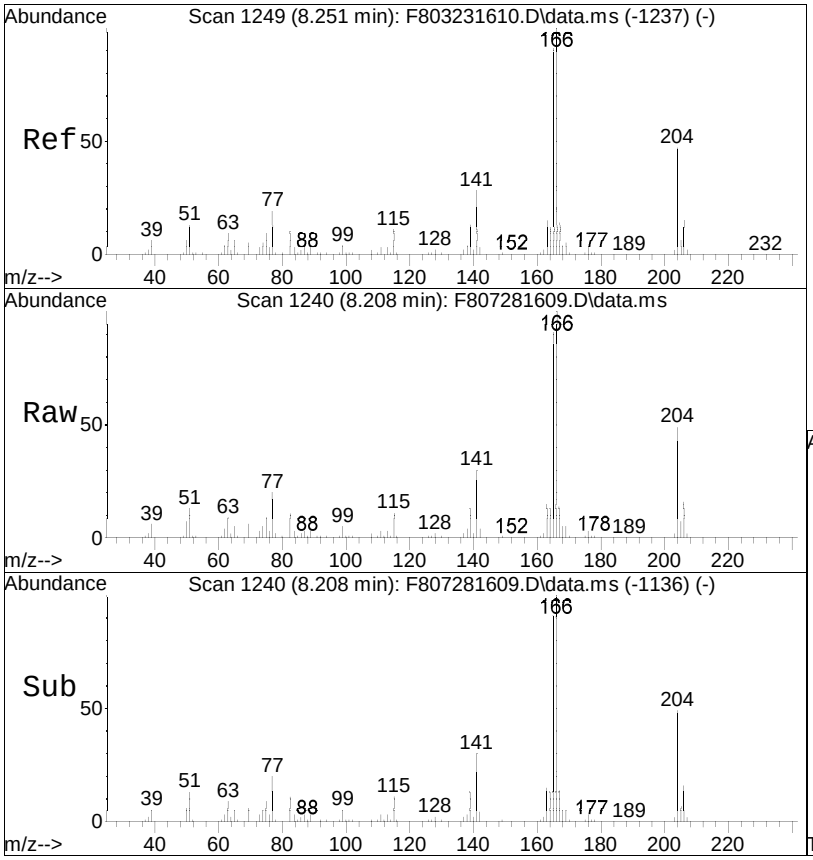


#56
4-Nitrophenol
Concen: 10.93 ug/mL
RT: 7.741 min Scan# 1143
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:109 Resp: 217783

Ion	Ratio	Lower	Upper
109	100		
139	176.3	149.7	224.5
65	137.1	107.3	160.9

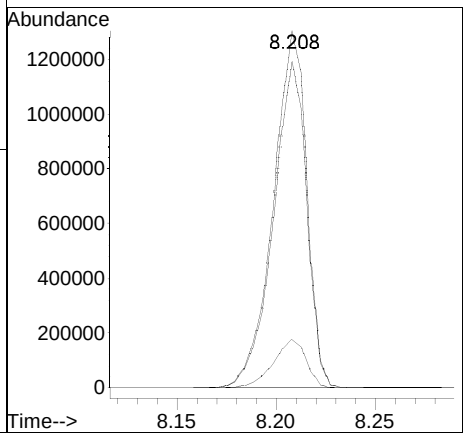


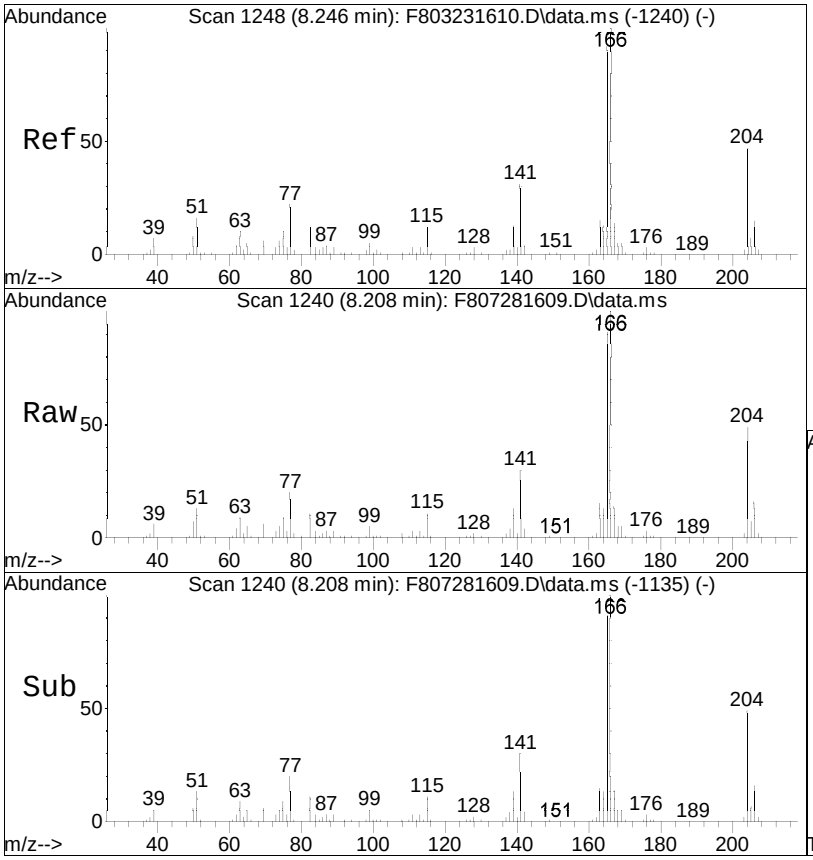


#57
Fluorene
Concen: 10.36 ug/mL
RT: 8.208 min Scan# 1240
Delta R.T. -0.000 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:166 Resp: 1530710

Ion	Ratio	Lower	Upper
166	100		
165	90.9	72.9	109.3
167	13.5	10.9	16.3

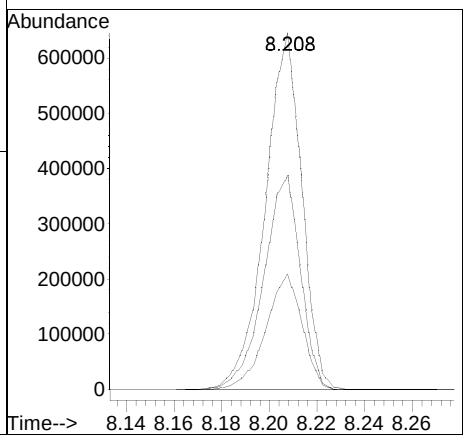


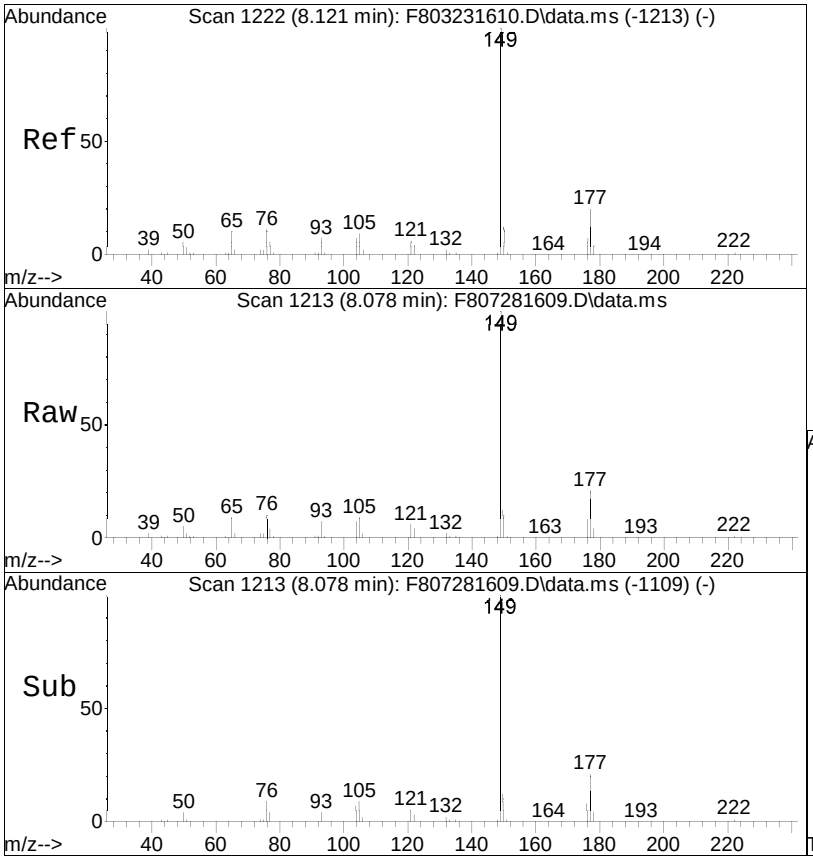


#58
4-Chlorophenyl-phenylether
Concen: 10.19 ug/mL
RT: 8.208 min Scan# 1240
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:204 Resp: 686847

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.9	38.9
141	60.6	46.2	69.4

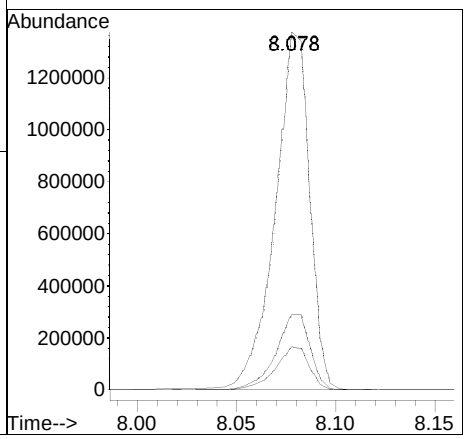


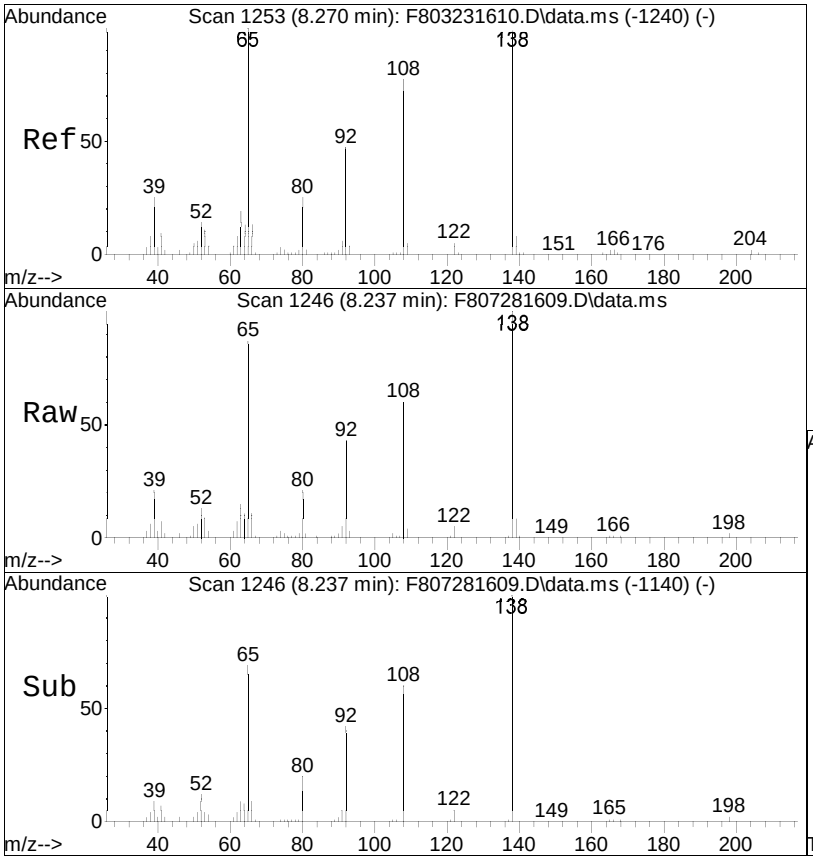


#59
Diethylphthalate
Concen: 10.50 ug/mL
RT: 8.078 min Scan# 1213
Delta R.T. -0.000 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:149 Resp: 1640025

Ion	Ratio	Lower	Upper
149	100		
177	21.2	16.6	24.8
150	12.1	9.8	14.6

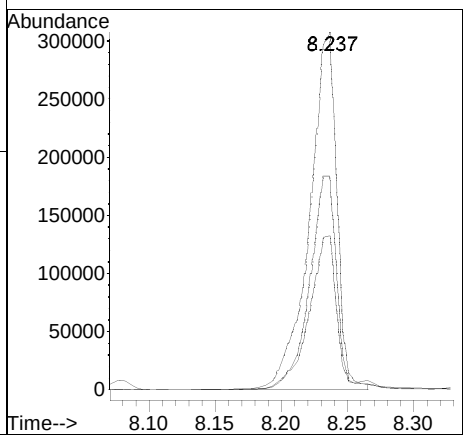


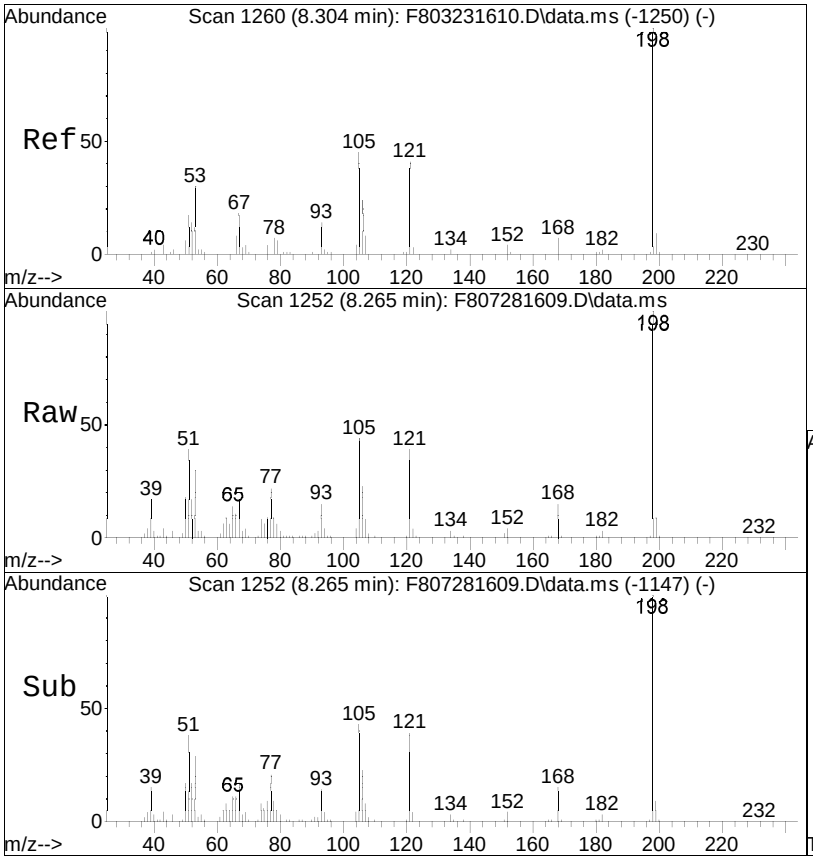


#60
4-Nitroaniline
Concen: 10.68 ug/mL
RT: 8.237 min Scan# 1246
Delta R.T. 0.010 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:138 Resp: 437712

Ion	Ratio	Lower	Upper
138	100		
92	43.1	32.7	49.1
108	57.9	45.8	68.6

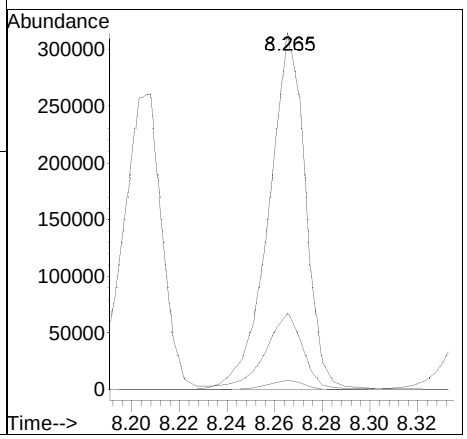


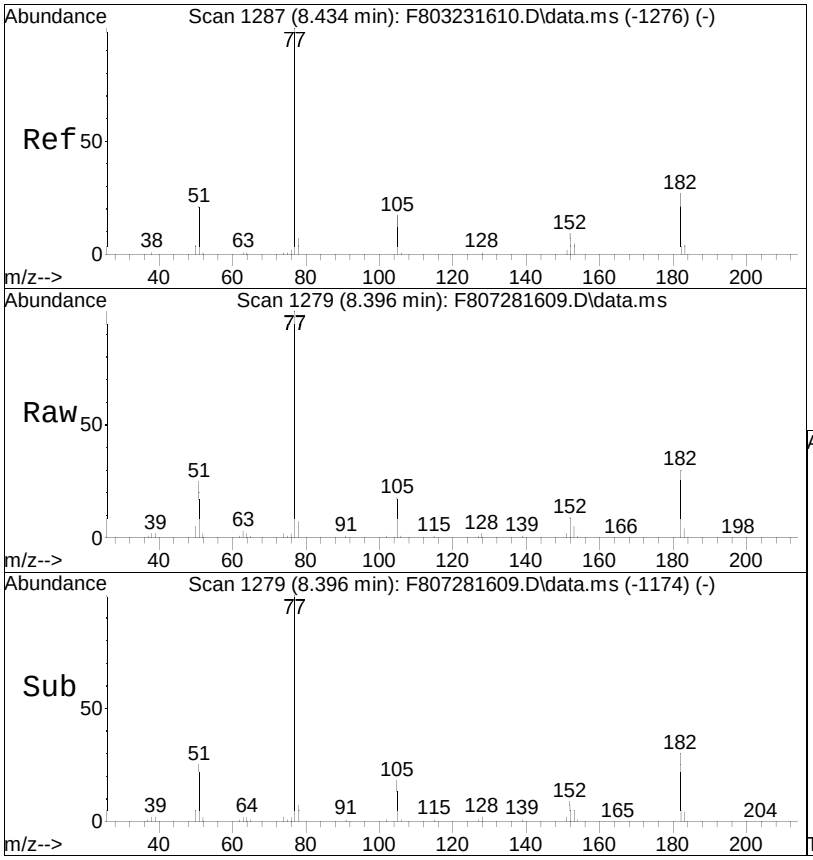


#62
4,6-Dinitro-2-methylphenol
Concen: 11.20 ug/mL
RT: 8.265 min Scan# 1252
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:198 Resp: 336307

Ion	Ratio	Lower	Upper
198	100		
182	2.8	2.2	3.2
77	21.5	16.8	25.2

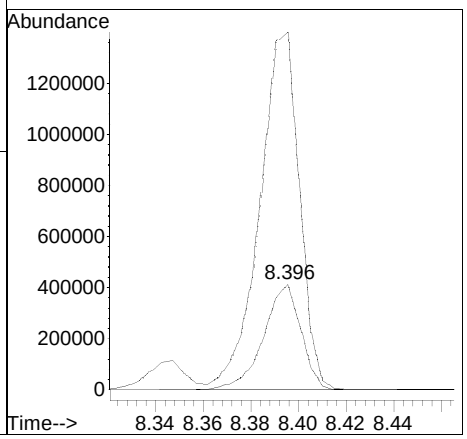


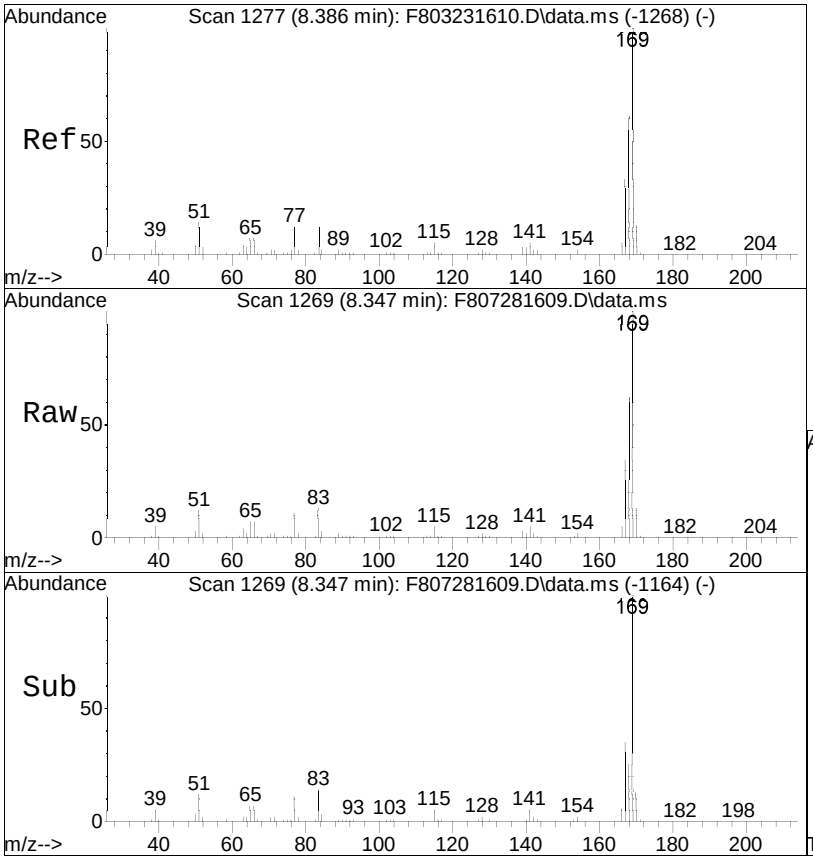


#63
Azobenzene
Concen: 10.53 ug/mL
RT: 8.396 min Scan# 1279
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:182 Resp: 447006

Ion	Ratio	Lower	Upper
182	100		
77	359.3	54.9	631.7

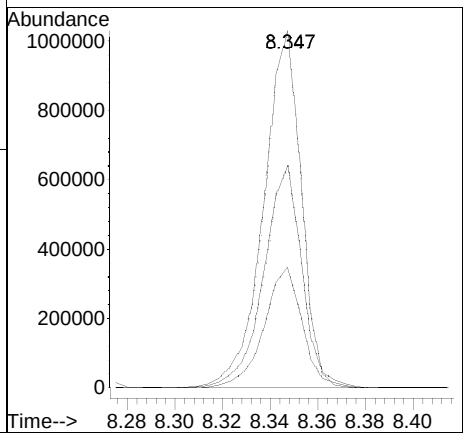


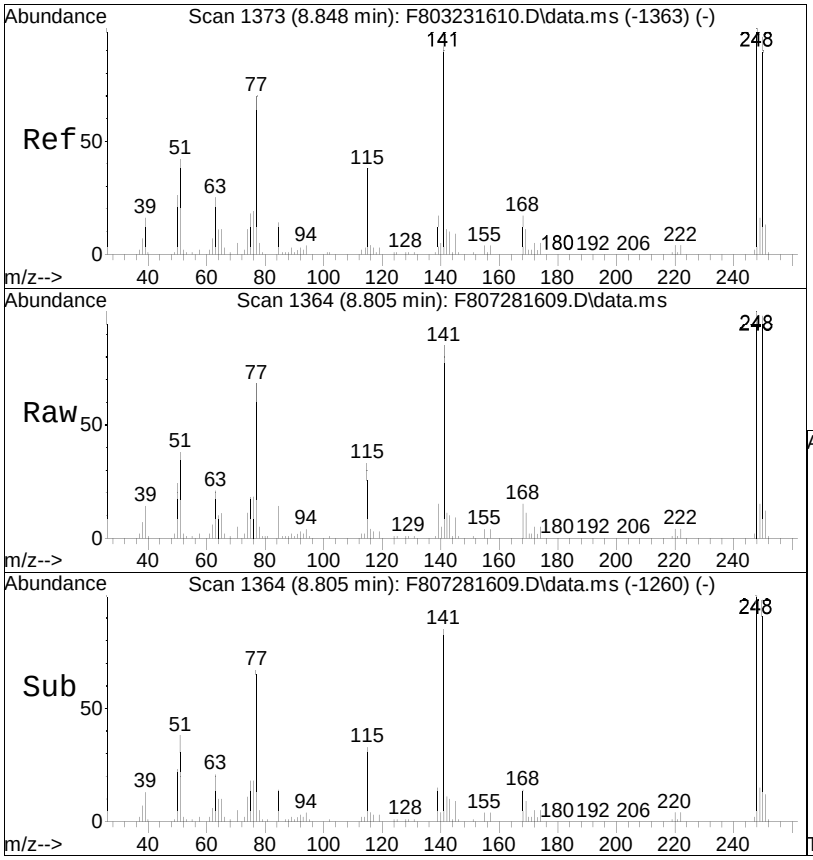


#64
n-Nitrosodiphenylamine
Concen: 10.39 ug/mL
RT: 8.347 min Scan# 1269
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:169 Resp: 1111490

Ion	Ratio	Lower	Upper
169	100		
168	63.4	49.4	74.2
167	34.7	26.7	40.1

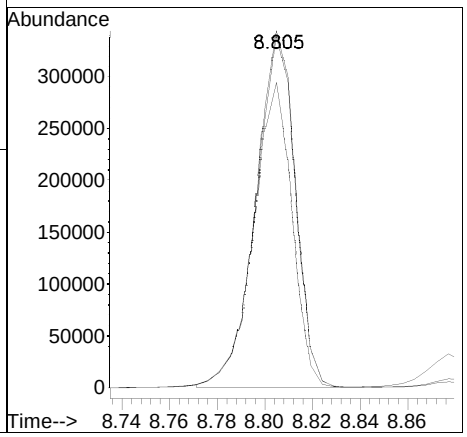


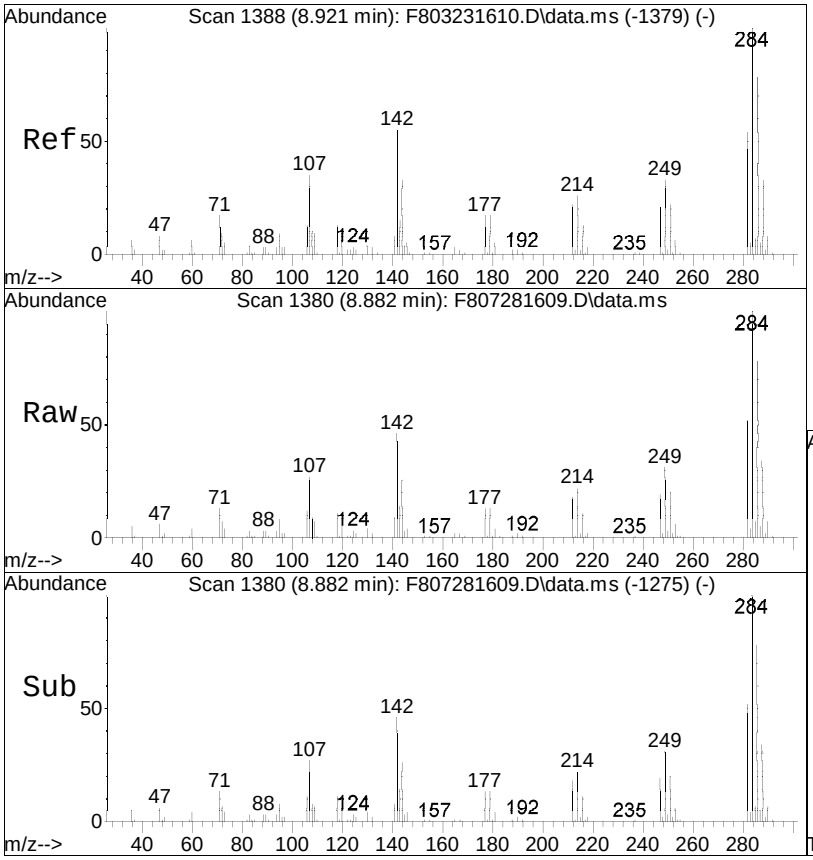


#66
4-Bromophenyl-phenylether
Concen: 10.45 ug/mL
RT: 8.805 min Scan# 1364
Delta R.T. -0.000 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:248 Resp: 394859

Ion	Ratio	Lower	Upper
248	100		
250	97.6	77.3	115.9
141	82.6	61.7	92.5

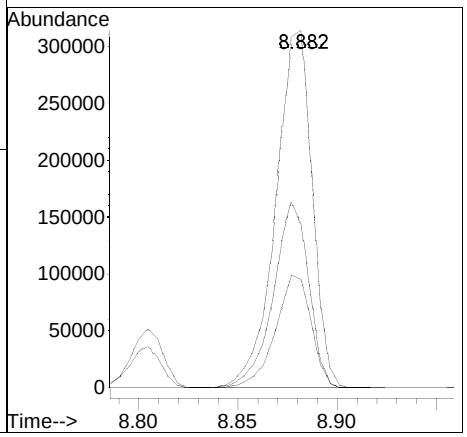


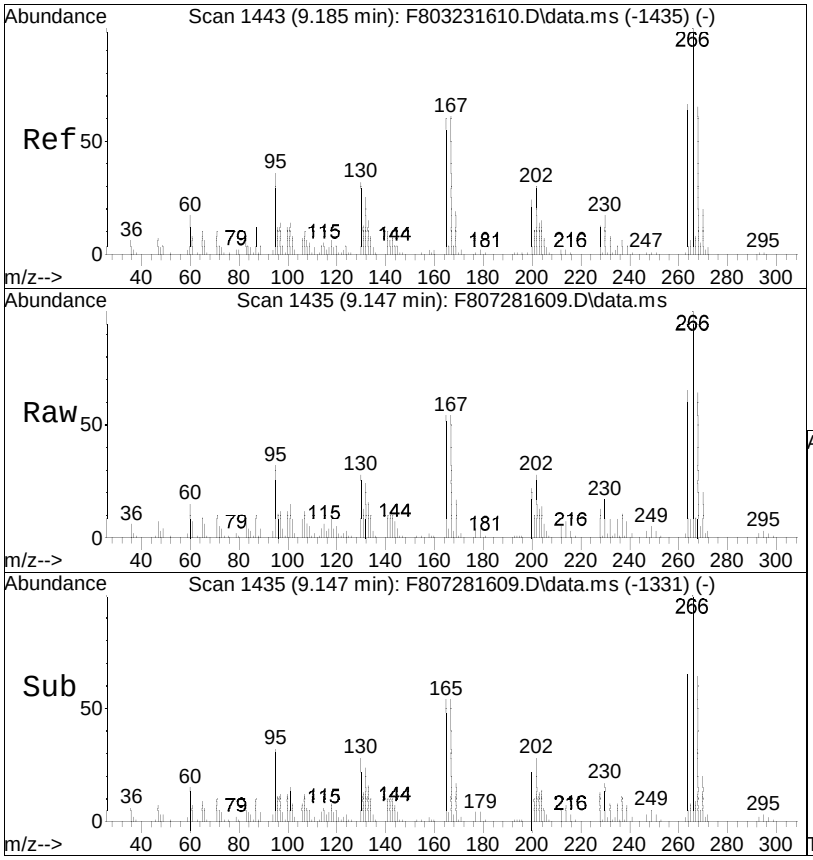


#67
Hexachlorobenzene
Concen: 10.33 ug/mL
RT: 8.882 min Scan# 1380
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:284 Resp: 399297

Ion	Ratio	Lower	Upper
284	100		
142	50.5	37.8	56.6
249	31.2	24.8	37.2

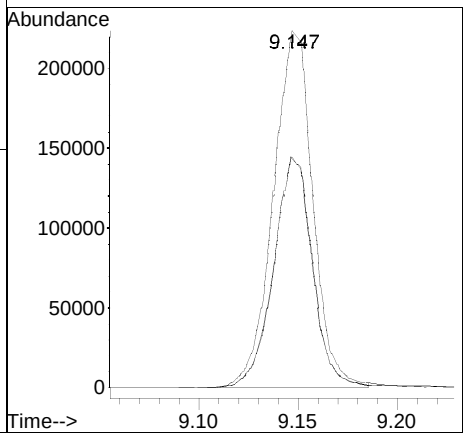


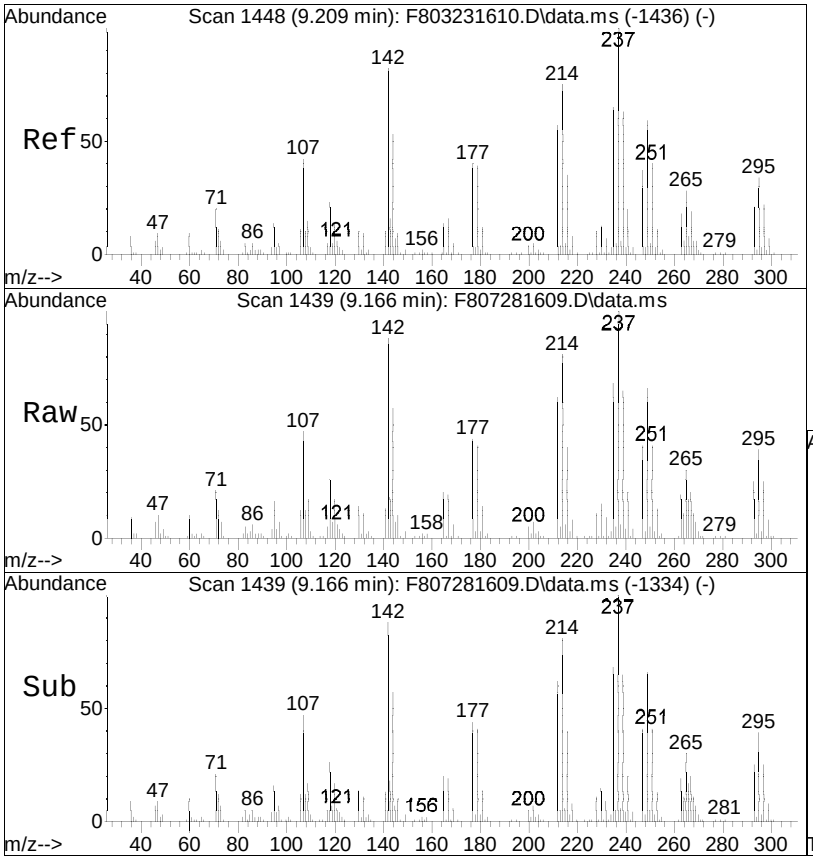


#69
Pentachlorophenol
Concen: 10.83 ug/mL
RT: 9.147 min Scan# 1435
Delta R.T. -0.000 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:266 Resp: 310143

Ion	Ratio	Lower	Upper
266	100		
264	63.5	49.7	74.5
268	63.7	48.1	72.1

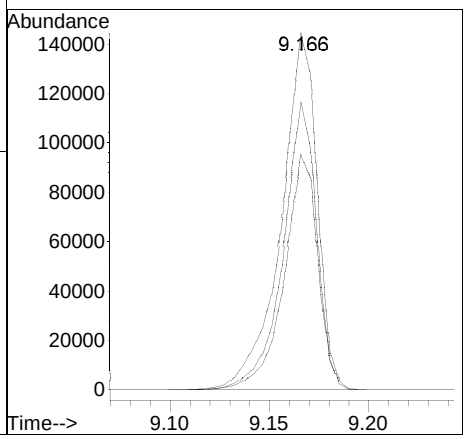


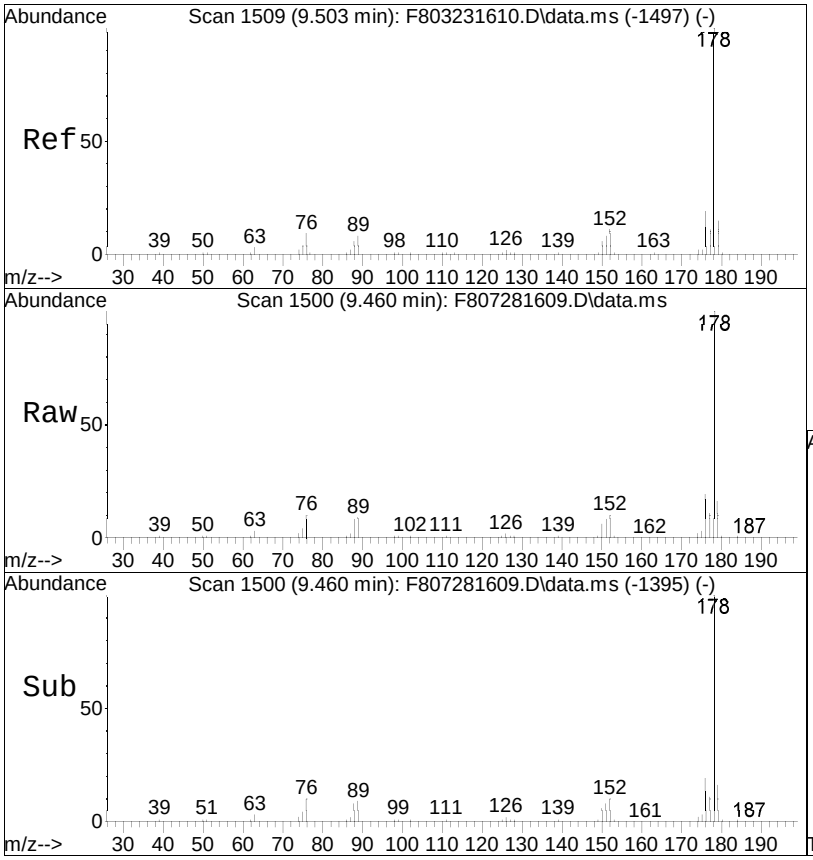


#70
Pentachloronitrobenzene
Concen: 11.00 ug/ml
RT: 9.166 min Scan# 1439
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:237 Resp: 182283

Ion	Ratio	Lower	Upper
237	100		
214	74.9	63.4	95.2
249	61.5	54.9	82.3

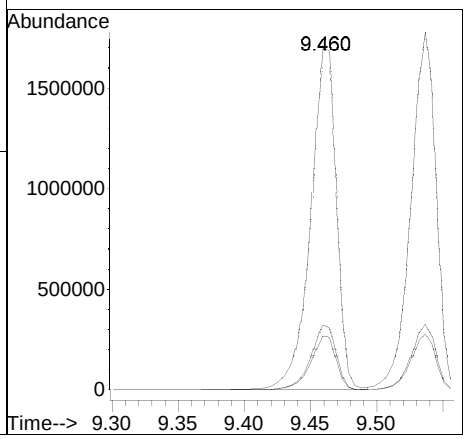


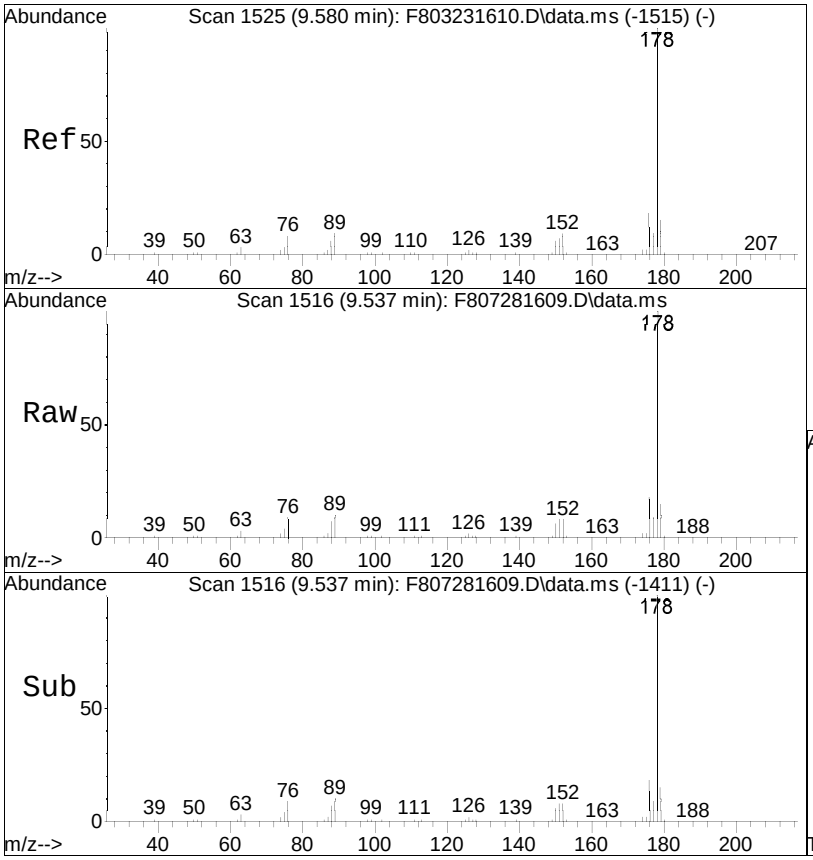


#71
Phenanthrene
Concen: 10.40 ug/mL
RT: 9.460 min Scan# 1500
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:178 Resp: 2309864

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6
176	18.7	15.0	22.6

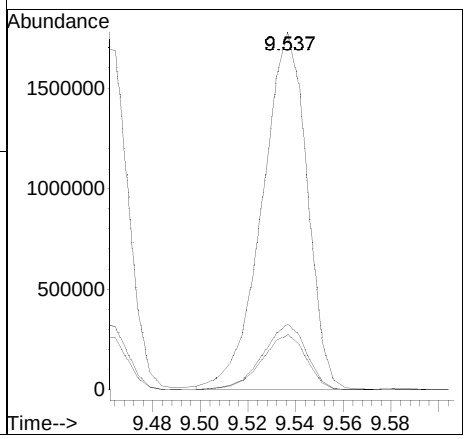


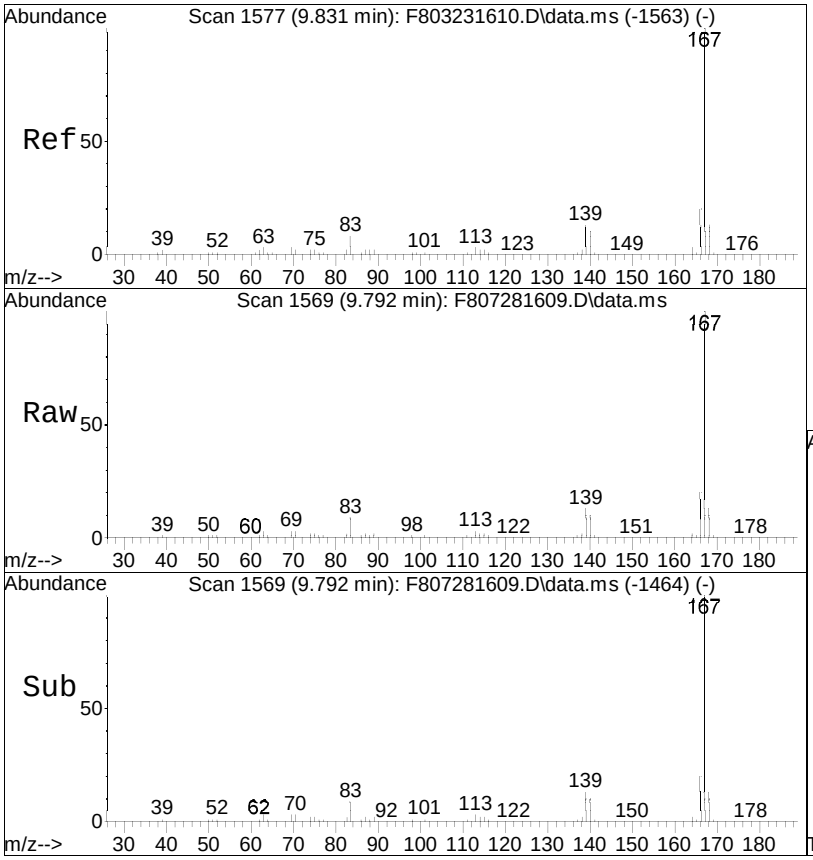


#72
Anthracene
Concen: 10.51 ug/mL
RT: 9.537 min Scan# 1516
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:178 Resp: 2314557

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	18.8
176	18.0	14.6	22.0

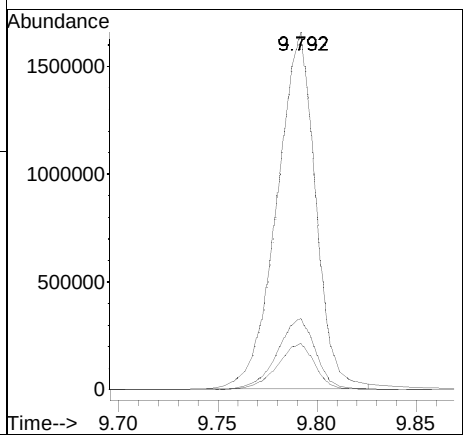


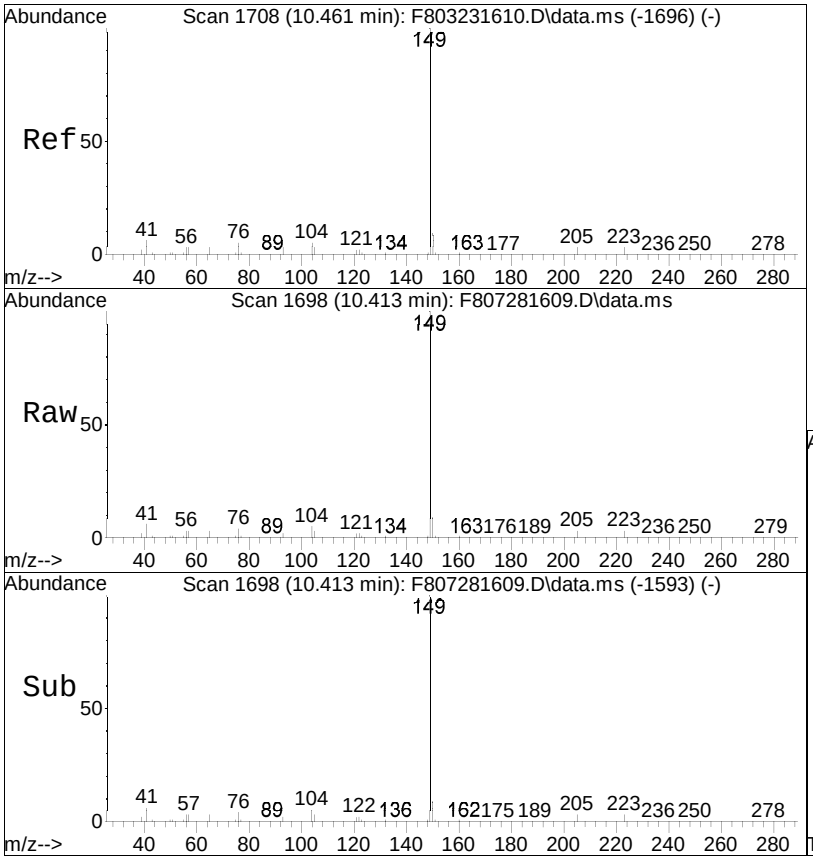


#73
Carbazole
Concen: 10.65 ug/mL
RT: 9.792 min Scan# 1569
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:167 Resp: 2216234

Ion	Ratio	Lower	Upper
167	100		
139	12.9	10.3	15.5
166	20.1	15.9	23.9

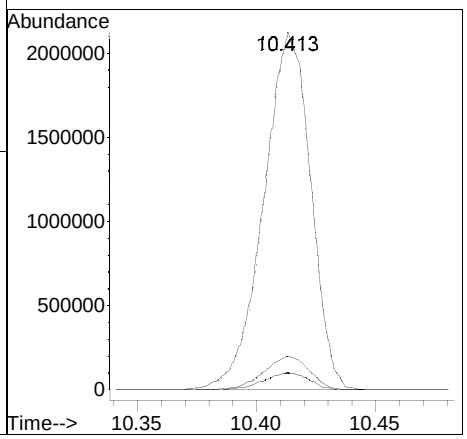


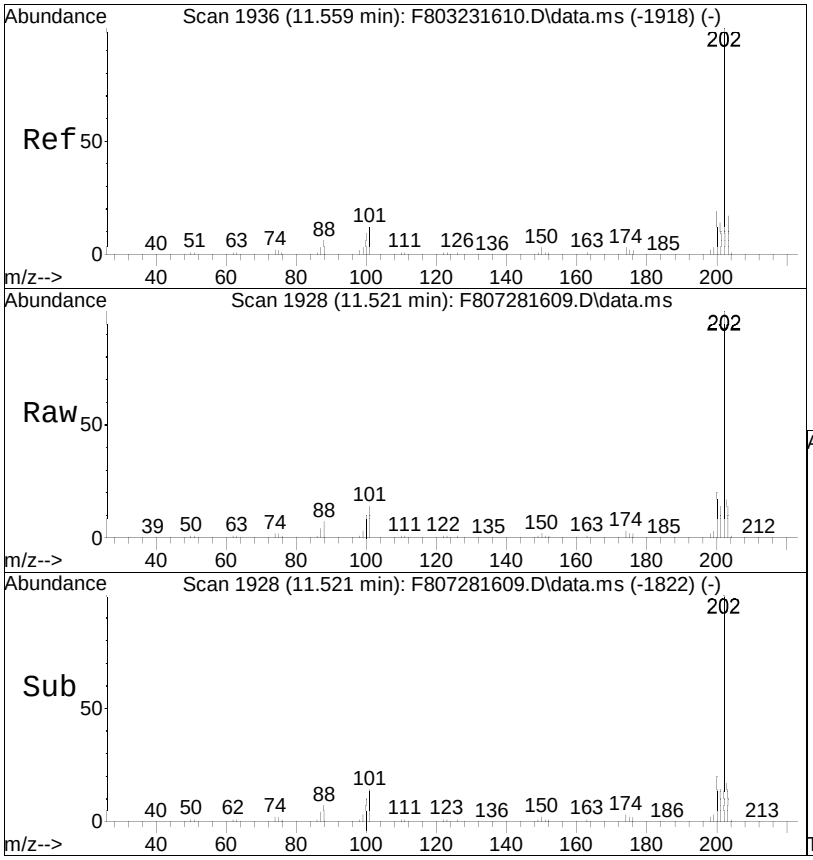


#74
Di-n-butylphthalate
Concen: 11.02 ug/mL
RT: 10.413 min Scan# 1698
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:149 Resp: 2876414

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.7	3.5	5.3

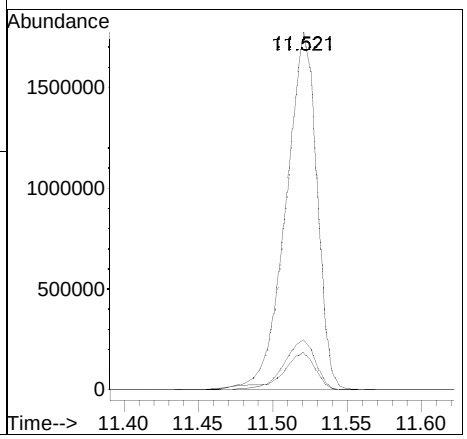


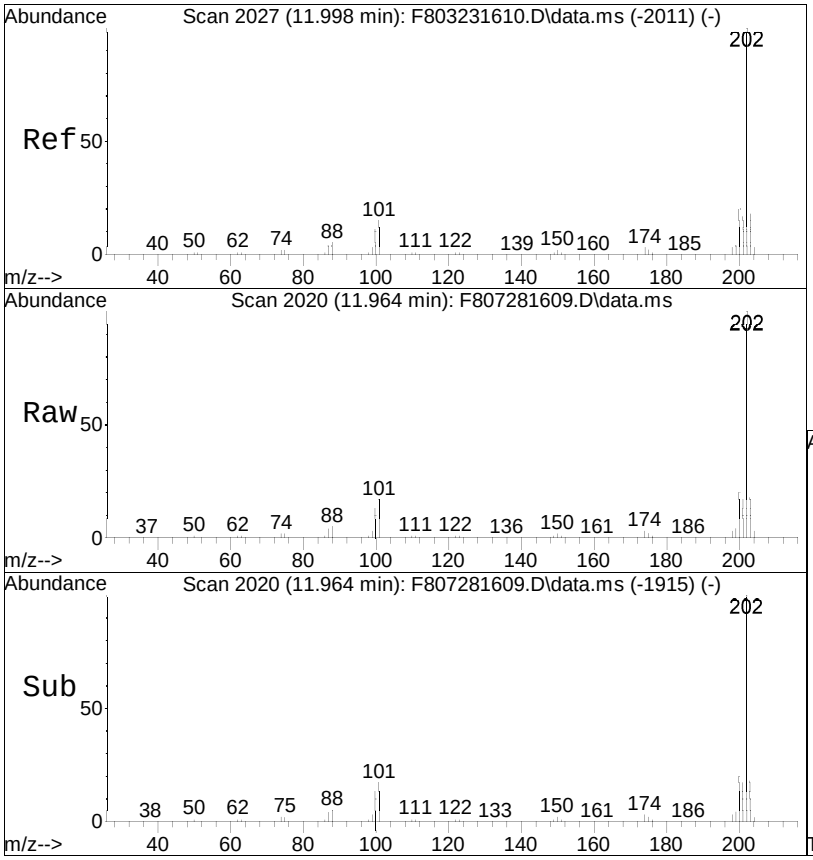


#75
Fluoranthene
Concen: 10.75 ug/mL
RT: 11.521 min Scan# 1928
Delta R.T. 0.010 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:202 Resp: 2544716

Ion	Ratio	Lower	Upper
202	100		
101	14.3	13.4	20.2
100	11.6	9.4	14.2

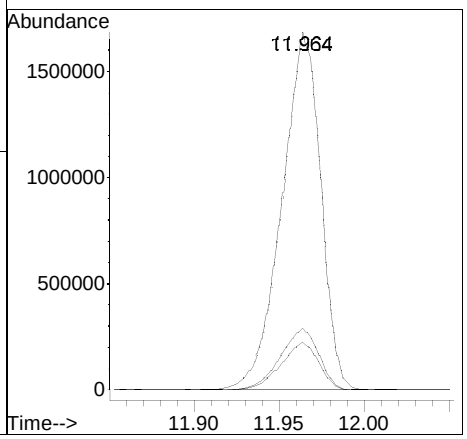


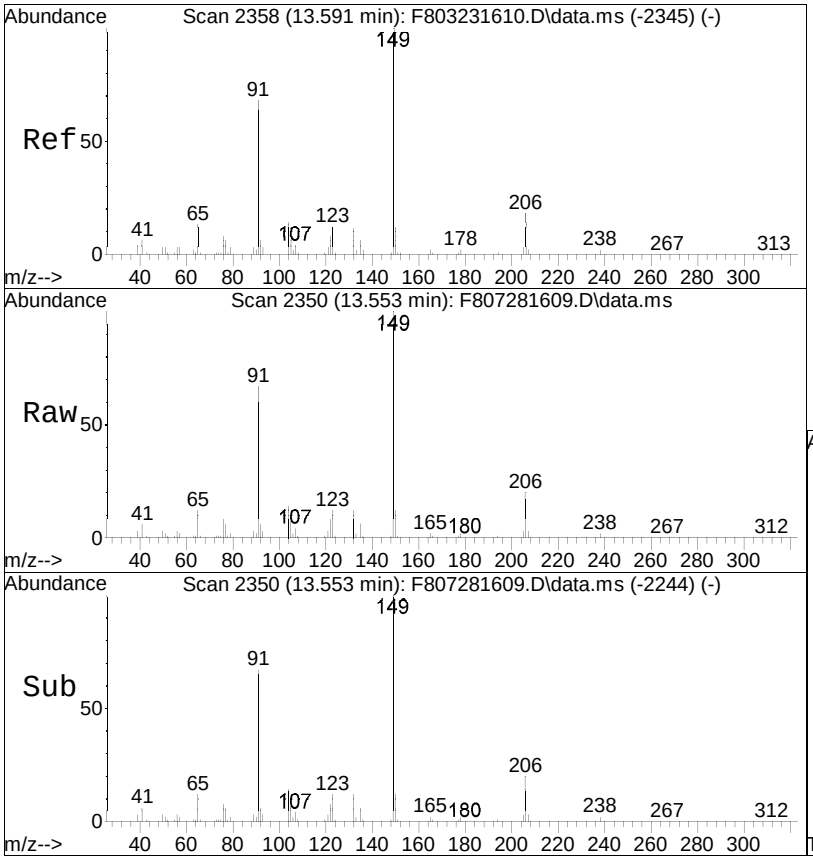


#78
Pyrene
Concen: 10.37 ug/mL
RT: 11.964 min Scan# 2020
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:202 Resp: 2646956

Ion	Ratio	Lower	Upper
202	100		
101	17.2	14.9	22.3
100	13.1	11.4	17.2

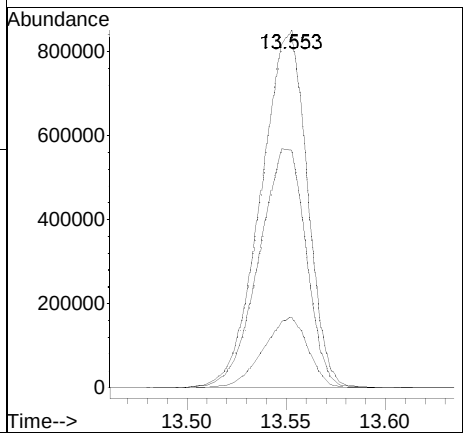


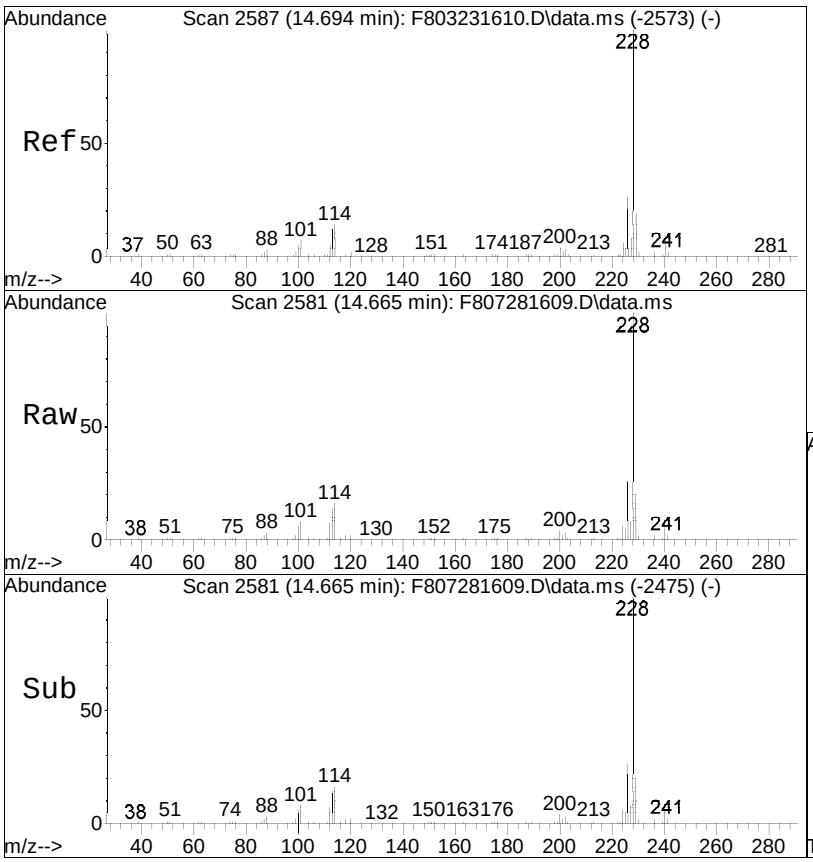


#80
Butylbenzylphthalate
Concen: 10.21 ug/mL
RT: 13.553 min Scan# 2350
Delta R.T. 0.010 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:149 Resp: 1365004

Ion	Ratio	Lower	Upper
149	100		
91	68.7	50.8	76.2
206	19.2	15.0	22.4

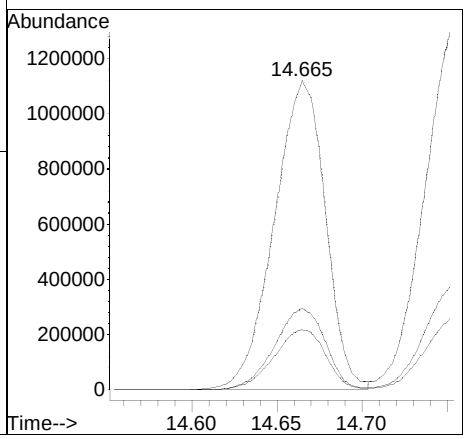


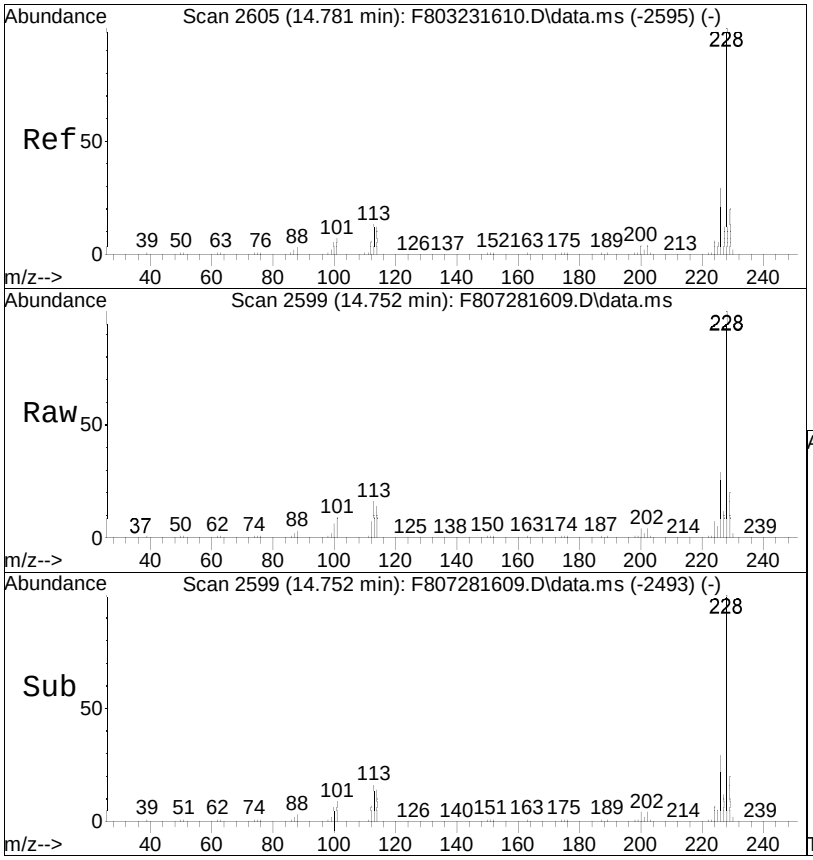


#82
Benz[a]anthracene
Concen: 10.46 ug/mL
RT: 14.665 min Scan# 2581
Delta R.T. 0.010 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:228 Resp: 2328325

Ion	Ratio	Lower	Upper
228	100		
229	20.0	15.9	23.9
226	26.2	21.2	31.8

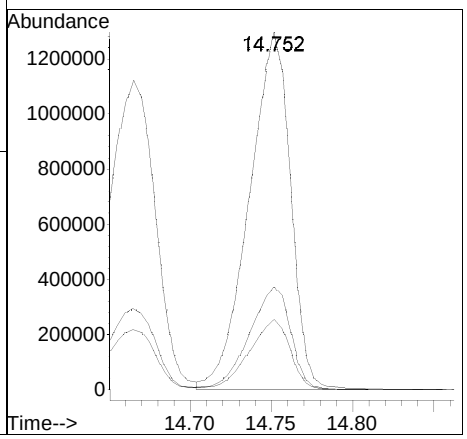


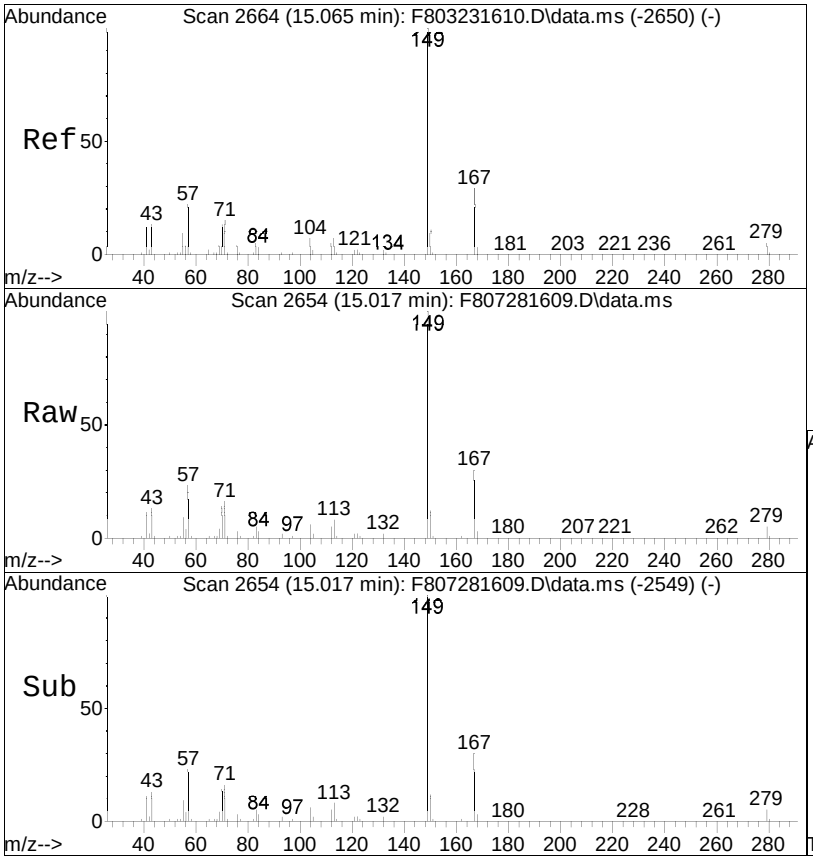


#83
Chrysene
Concen: 10.20 ug/mL M4
RT: 14.752 min Scan# 2599
Delta R.T. 0.010 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:228 Resp: 2283417

Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.7	35.5
229	19.4	15.8	23.8

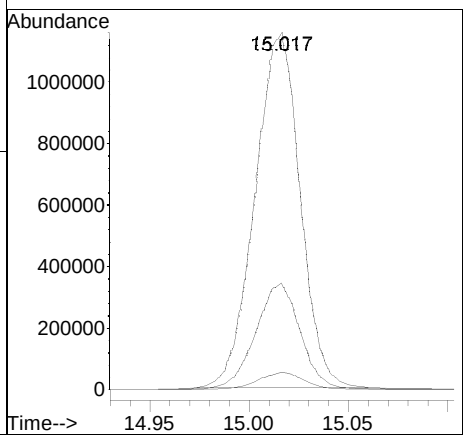


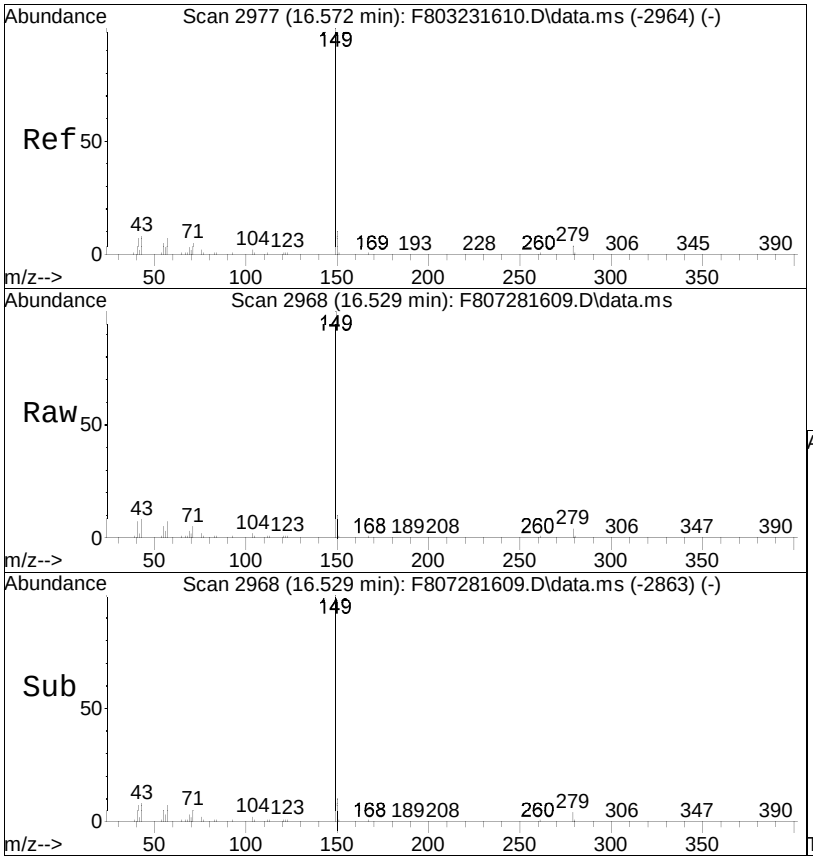


#84
bis(2-Ethylhexyl)phthalate
Concen: 10.30 ug/mL
RT: 15.017 min Scan# 2654
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:149 Resp: 1813387

Ion	Ratio	Lower	Upper
149	100		
167	29.3	23.8	35.6
279	4.9	4.0	6.0

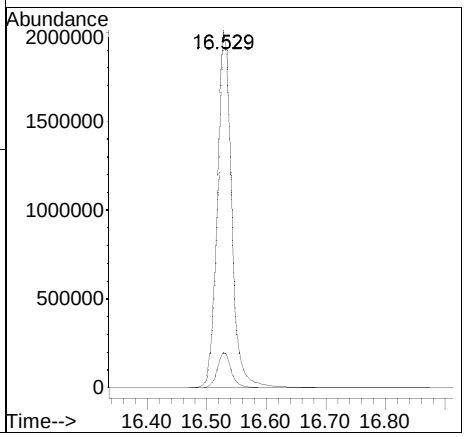


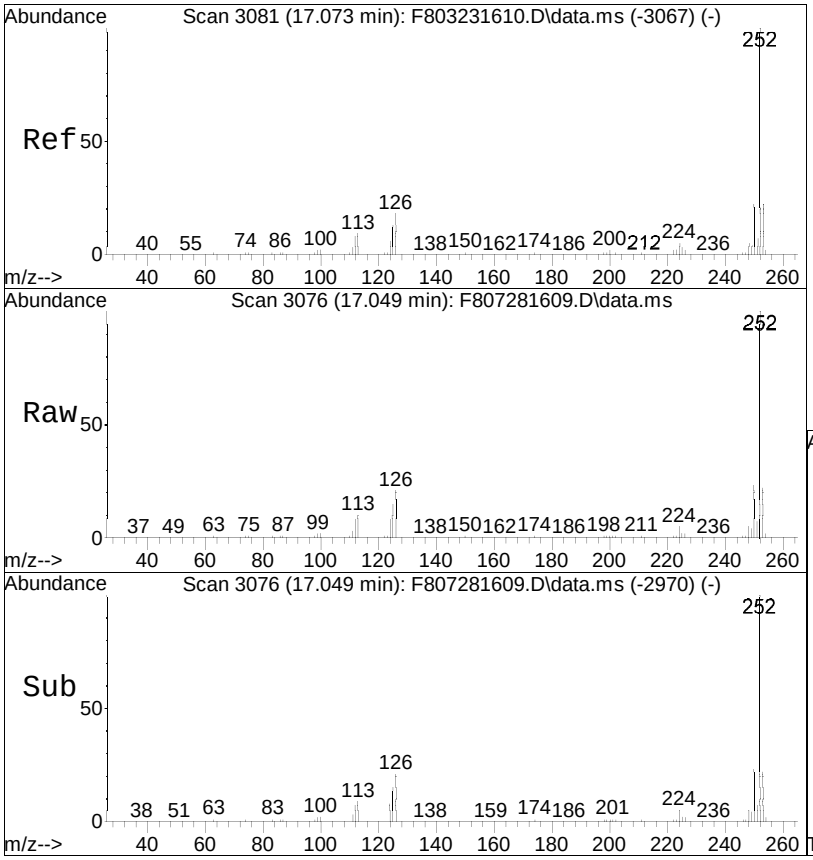


#86
Di-n-octylphthalate
Concen: 10.03 ug/mL
RT: 16.529 min Scan# 2968
Delta R.T. 0.005 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:149 Resp: 3258434

Ion	Ratio	Lower	Upper
149	100		
150	9.8	8.1	12.1

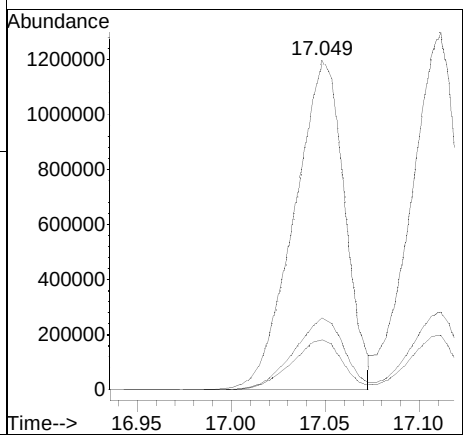


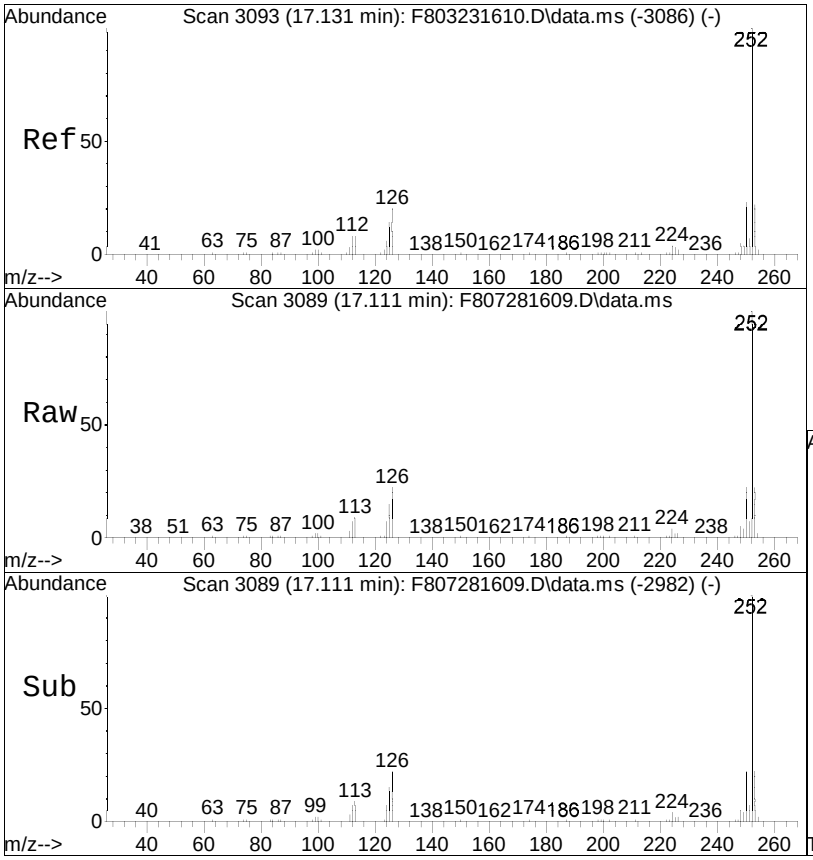


#87
Benzo[b]fluoranthene
Concen: 10.79 ug/mL M4
RT: 17.049 min Scan# 3076
Delta R.T. 0.010 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:252 Resp: 2231929

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	15.2	13.7	20.5

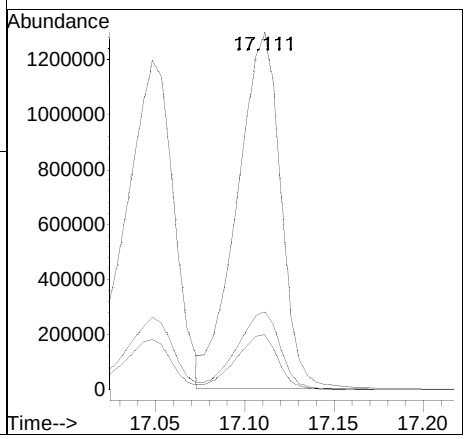


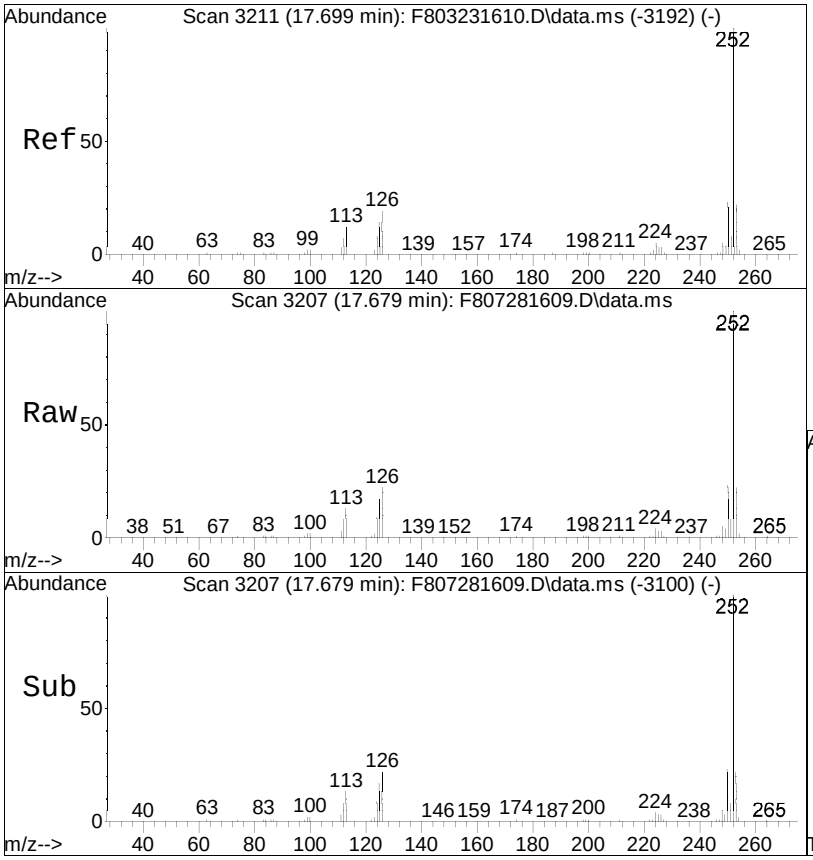


#88
Benzo[k]fluoranthene
Concen: 10.69 ug/mL M4
RT: 17.111 min Scan# 3089
Delta R.T. 0.014 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:252 Resp: 2196957

Ion	Ratio	Lower	Upper
252	100		
253	20.7	17.3	25.9
125	15.2	13.3	19.9

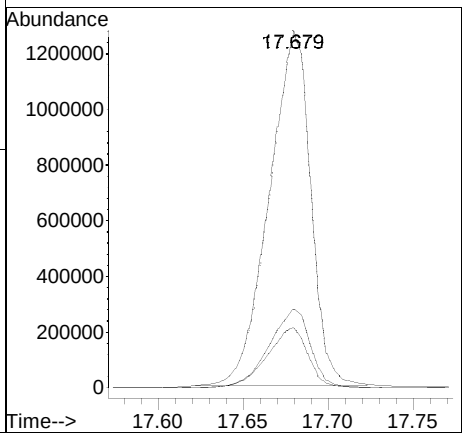


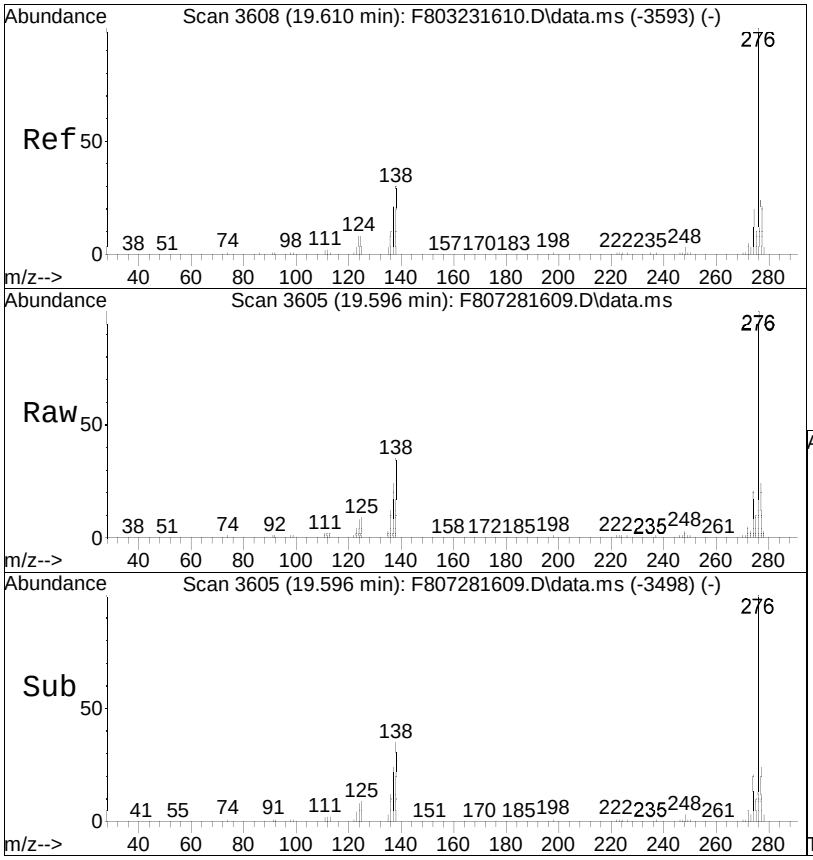


#89
Benzo[a]pyrene
Concen: 10.61 ug/mL
RT: 17.679 min Scan# 3207
Delta R.T. 0.014 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:252 Resp: 2136452

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.0
125	17.2	14.3	21.5

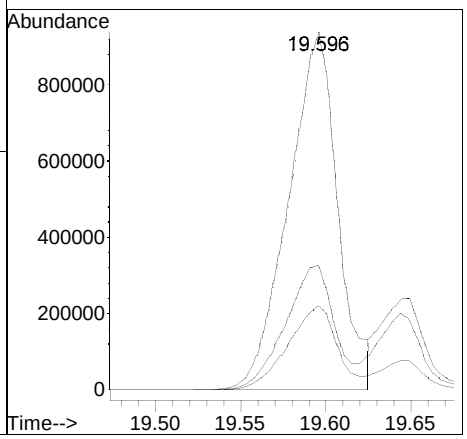


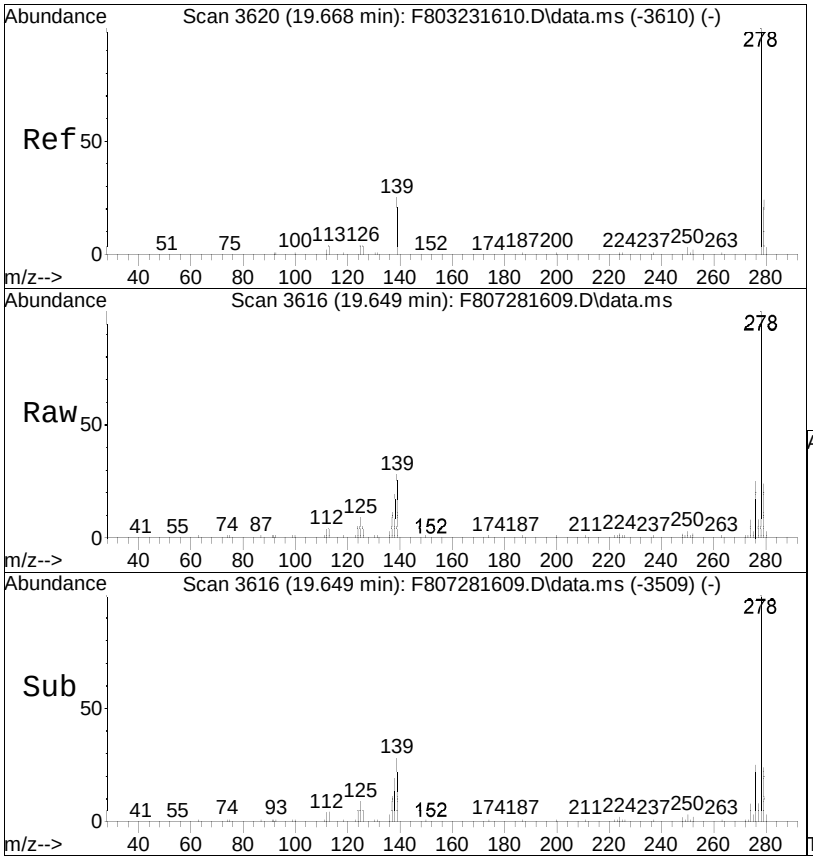


#90
Indeno[1,2,3-cd]pyrene
Concen: 11.38 ug/mL
RT: 19.596 min Scan# 3605
Delta R.T. 0.015 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:276 Resp: 1871877

Ion	Ratio	Lower	Upper
276	100		
138	37.0	28.2	42.2
277	24.1	19.4	29.0

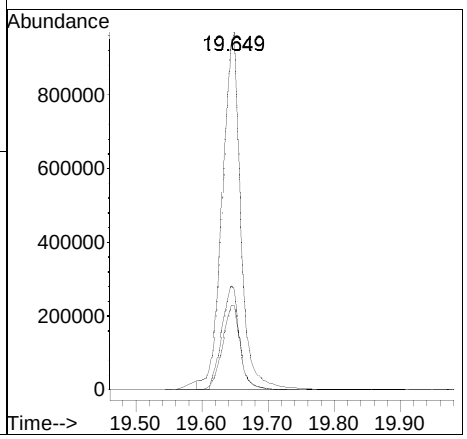


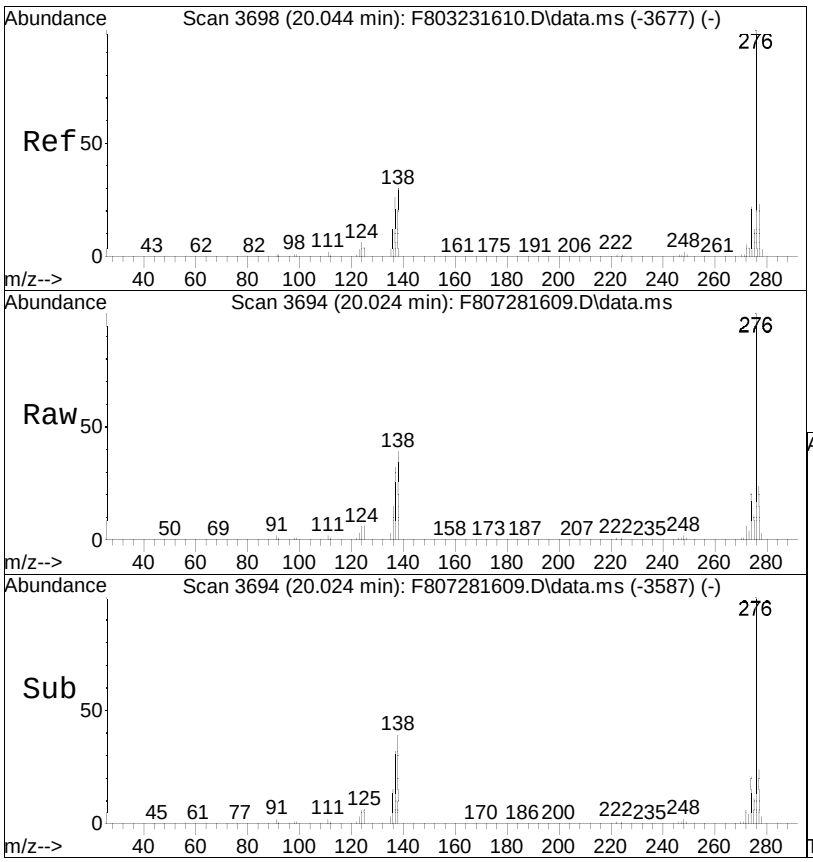


#91
Dibenz[a,h]anthracene
Concen: 11.19 ug/mL
RT: 19.649 min Scan# 3616
Delta R.T. 0.015 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:278 Resp: 1862760

Ion	Ratio	Lower	Upper
278	100		
139	28.6	23.4	35.0
279	23.6	19.4	29.0

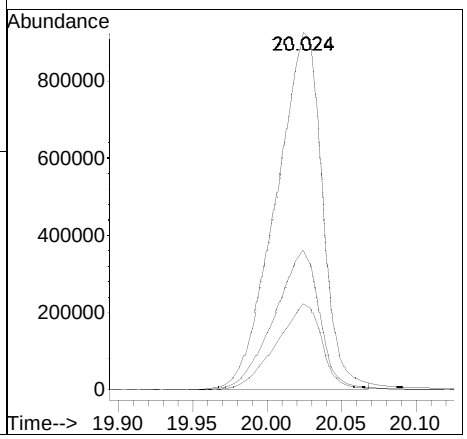




#92
Benzo[g,h,i]perylene
Concen: 10.78 ug/mL
RT: 20.024 min Scan# 3694
Delta R.T. 0.015 min
Lab File: F807281609.D
Acq: 28 Jul 2016 3:13 pm

Tgt Ion:276 Resp: 1993686

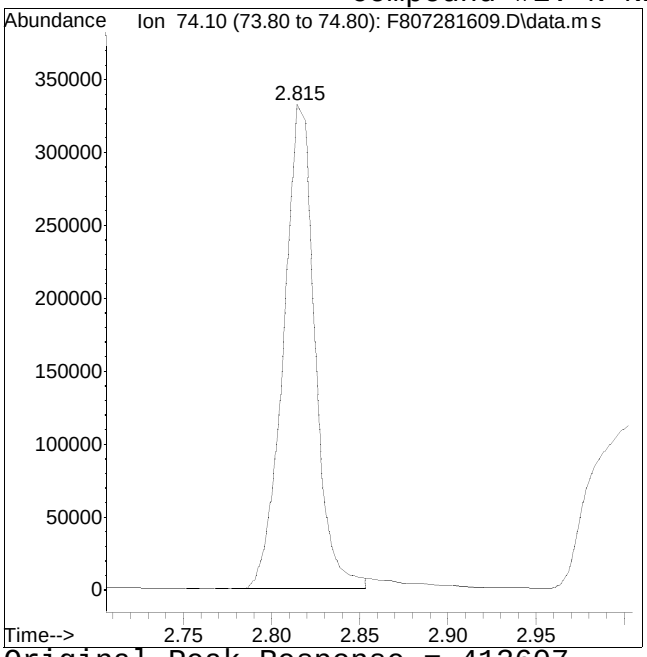
Ion	Ratio	Lower	Upper
276	100		
138	38.0	31.4	47.2
277	24.0	19.4	29.0



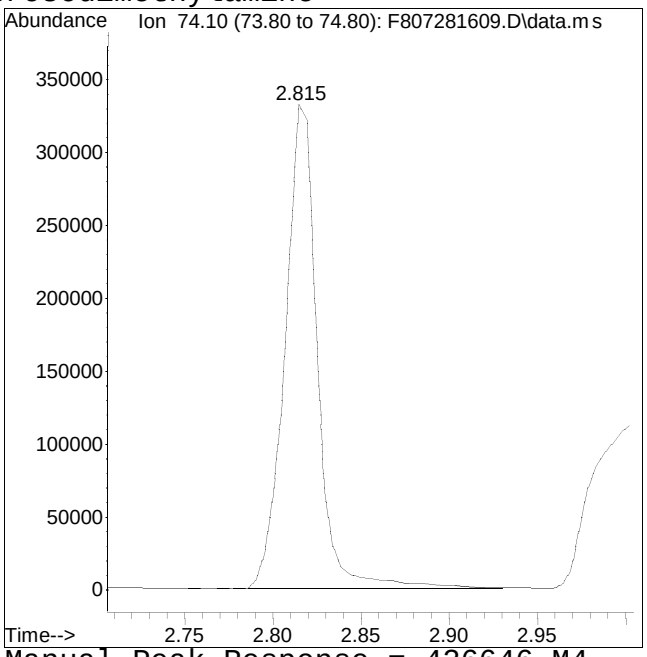
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281609.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 3:13 pm Instrument : BNA8
Sample : I807281605 Quant Date : 8/10/2016 9:43 am

Compound #2: N-Nitrosodimethylamine



Original Peak Response = 413607



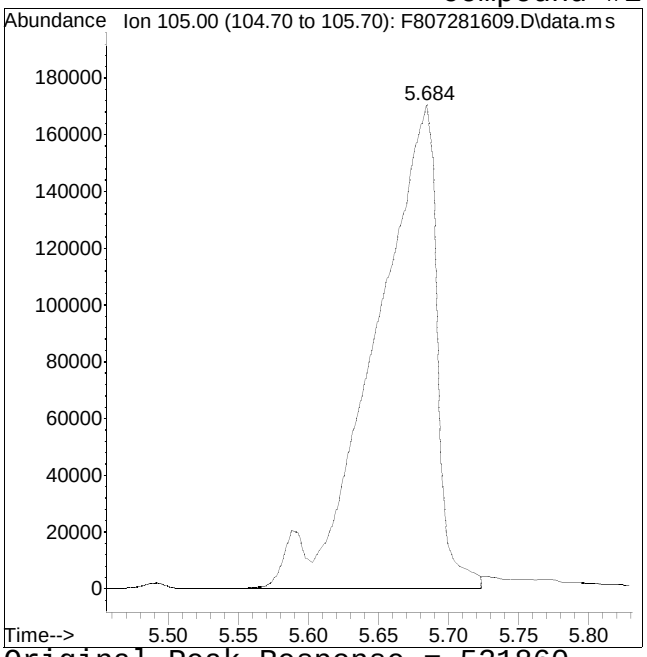
Manual Peak Response = 426646 M4

M4 = Poor automated baseline construction.

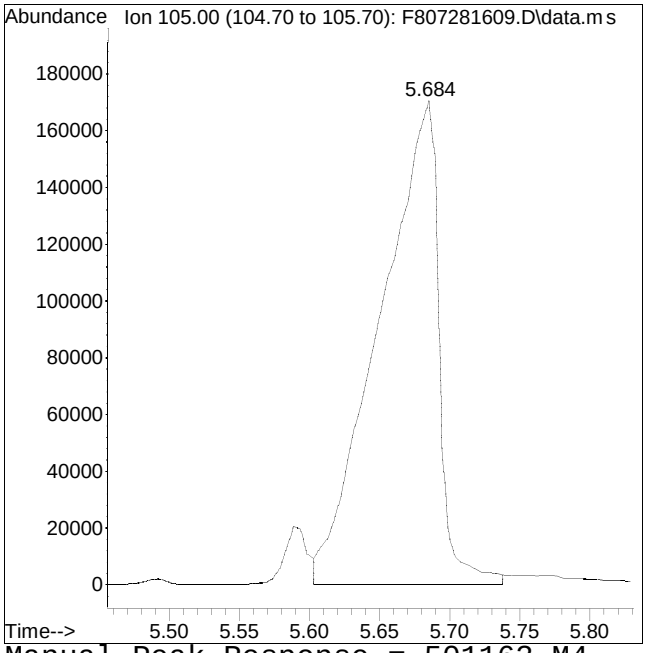
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281609.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 3:13 pm Instrument : BNA8
Sample : I807281605 Quant Date : 8/10/2016 9:43 am

Compound #27: Benzoic acid



Original Peak Response = 521860



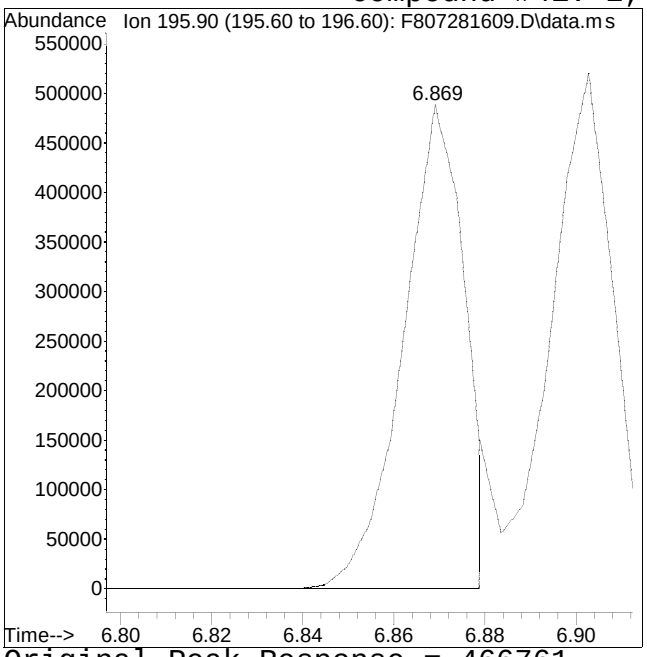
Manual Peak Response = 501163 M4

M4 = Poor automated baseline construction.

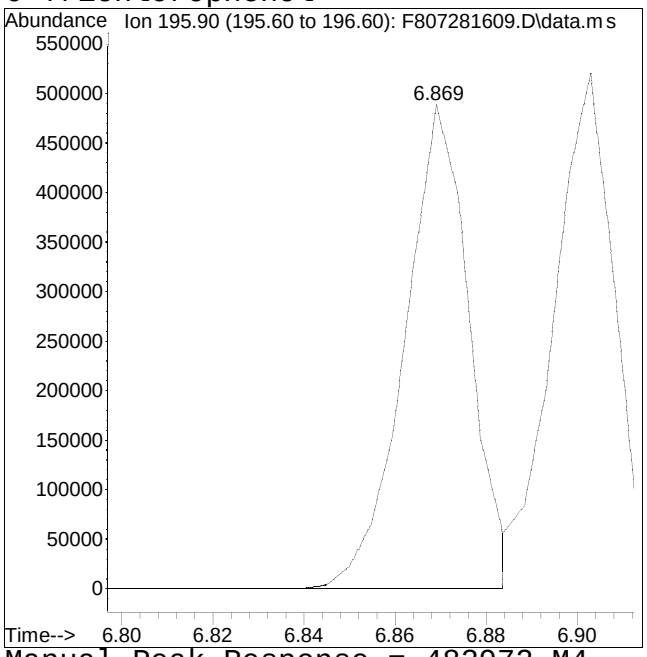
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281609.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 3:13 pm Instrument : BNA8
Sample : I807281605 Quant Date : 8/10/2016 9:43 am

Compound #41: 2,4,6-Trichlorophenol



Original Peak Response = 466761



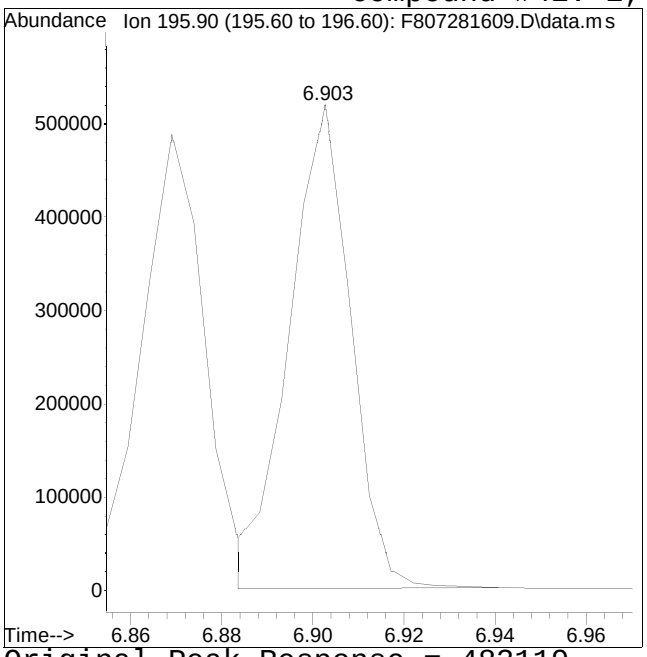
Manual Peak Response = 482972 M4

M4 = Poor automated baseline construction.

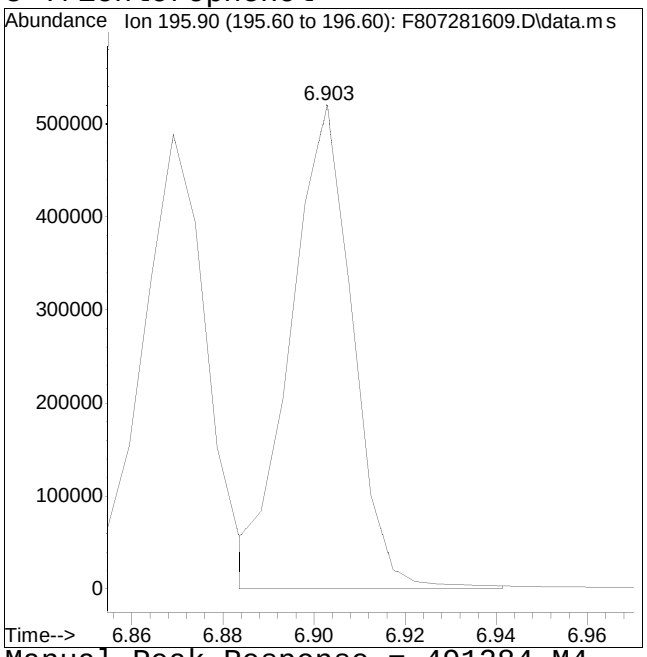
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281609.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 3:13 pm Instrument : BNA8
Sample : I807281605 Quant Date : 8/10/2016 9:43 am

Compound #42: 2,4,5-Trichlorophenol



Original Peak Response = 483119



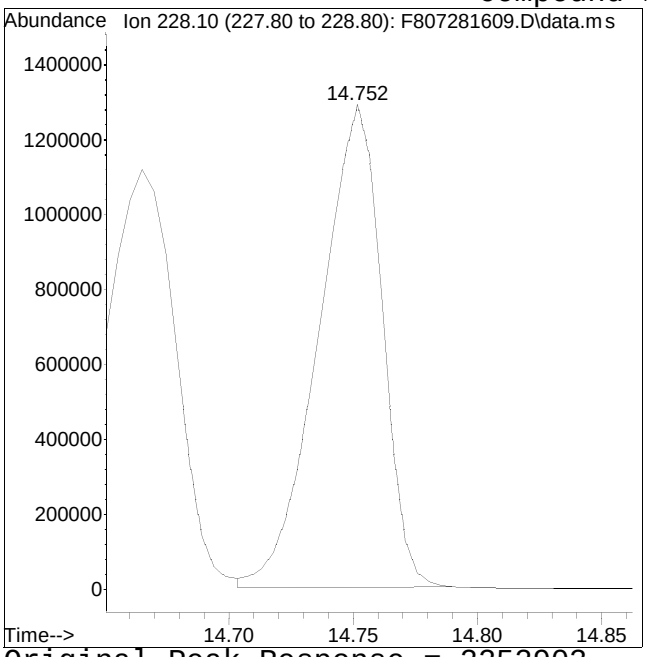
Manual Peak Response = 491284 M4

M4 = Poor automated baseline construction.

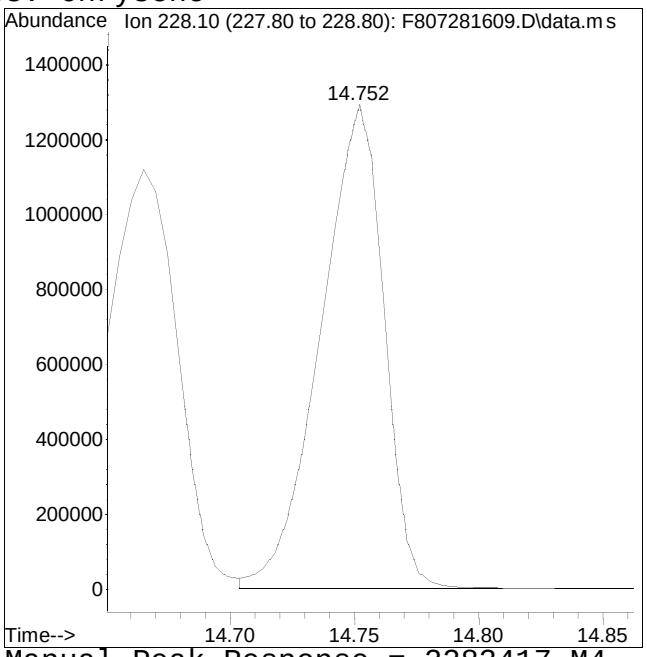
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281609.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 3:13 pm Instrument : BNA8
Sample : I807281605 Quant Date : 8/10/2016 9:43 am

Compound #83: Chrysene



Original Peak Response = 2252903



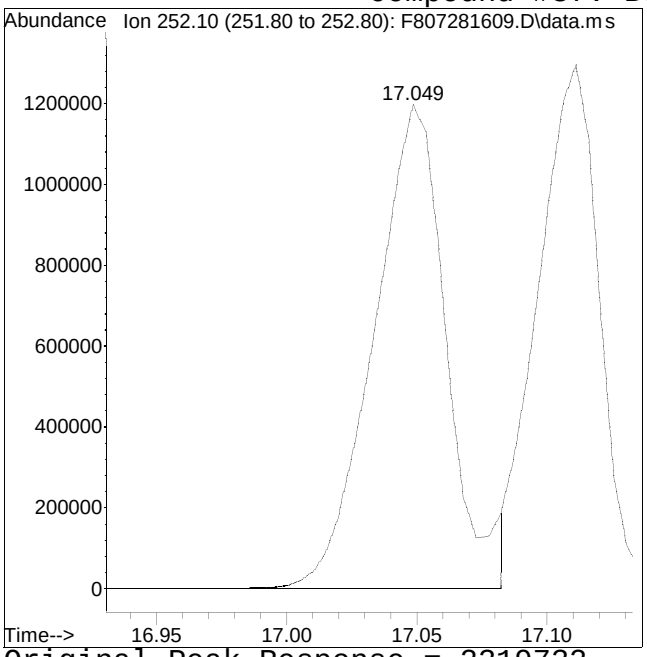
Manual Peak Response = 2283417 M4

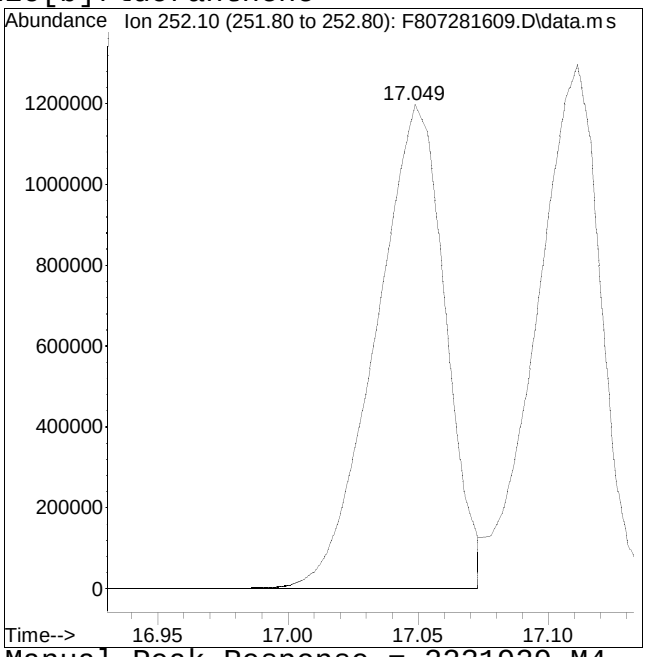
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281609.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 3:13 pm Instrument : BNA8
Sample : I807281605 Quant Date : 8/10/2016 9:43 am

Compound #87: Benzo[b]fluoranthene



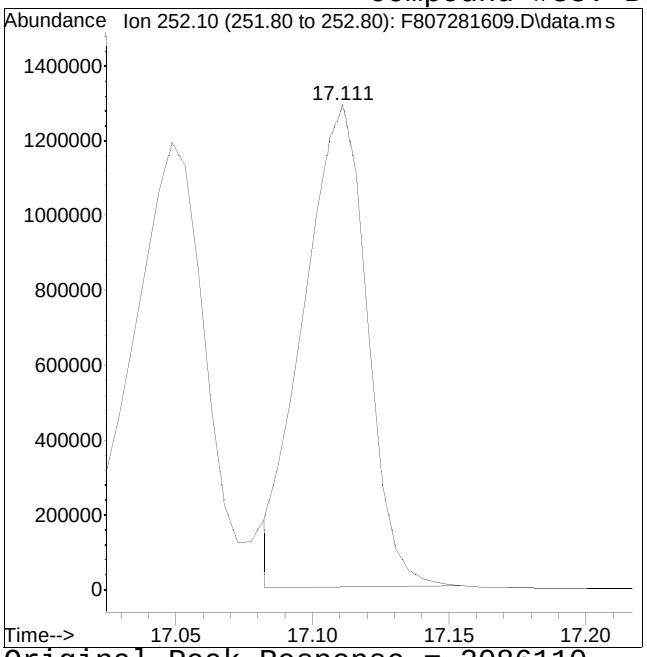


Original Peak Response = 2319732 Manual Peak Response = 2231929 M4
M4 = Poor automated baseline construction.

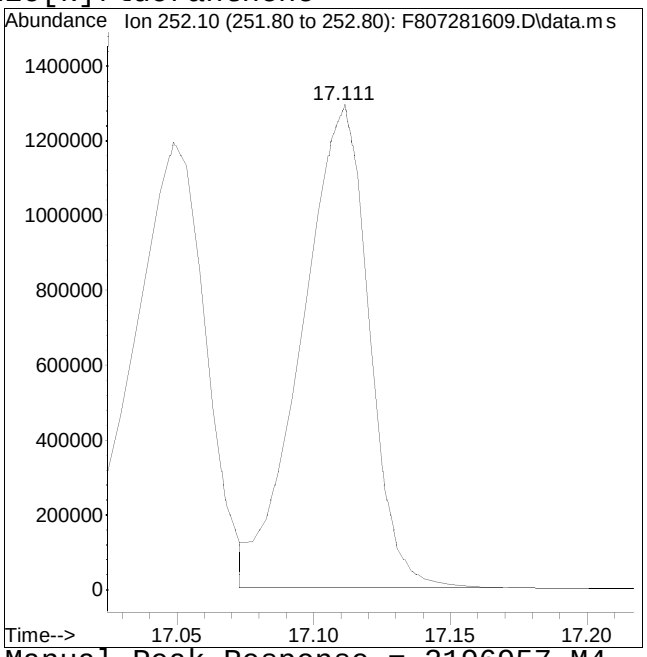
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281609.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 3:13 pm Instrument : BNA8
Sample : I807281605 Quant Date : 8/10/2016 9:43 am

Compound #88: Benzo[k]fluoranthene



Original Peak Response = 2086110



Manual Peak Response = 2196957 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281610.D
Acq On : 28 Jul 2016 3:46 pm
Operator : BNA8:SF
Sample : I807281606
Misc : WG919318,MSAK07
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 03 12:31:20 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.760	152	297355	5.000	ug/mL	0.00
21) Naphthalene-d8	5.920	136	1133607	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.620	164	529208	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.426	188	1041742	5.000	ug/mL	0.00
76) Chrysene-d12	14.694	240	952910	5.000	ug/mL	0.02
85) Perylene-d12	17.781	264	887383	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.701	112	1059244	13.666	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 68.33%			
8) Phenol-d5	4.428	99	1301587	13.777	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 68.88%			
22) Nitrobenzene-d5	5.256	82	1065827M4	14.087	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 70.44%			
43) 2-Fluorobiphenyl	6.956	172	2099433	13.298	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 66.49%			
65) 2,4,6-Tribromophenol	8.492	330	215036	13.474	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 67.37%			
79) Terphenyl-d14	12.368	244	2067695	13.530	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 67.65%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.824	74	555656M4	13.309	ug/mL	
3) Pyridine	2.819	79	1015625	12.765	ug/mL	95
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.486	93	1620083M4	20.600	ug/ml	
7) bis(2-Chloroethyl)ether	4.529	63	699313M4	13.242	ug/mL	
9) Phenol	4.442	94	1328220	12.956	ug/mL#	87
10) 2-Chlorophenol	4.582	128	1168934	13.676	ug/mL	96
11) 1,3-Dichlorobenzene	4.712	146	1263898	13.598	ug/mL	100
12) 1,4-Dichlorobenzene	4.779	146	1257949M4	13.669	ug/mL	
13) 1,2-Dichlorobenzene	4.909	146	1199471	13.646	ug/mL	100
14) Benzyl alcohol	4.876	108	724314	13.968	ug/mL	90
15) bis(2-chloroisopropyl)eth	4.991	45	1245206	13.288	ug/mL#	64
16) 2-Methylphenol	4.962	108	901096	13.724	ug/mL	99
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	5.213	117	517756	14.076	ug/mL	96
19) N-Nitroso-di-n-propylamin	5.121	70	698648	13.489	ug/mL	95
20) 4-Methylphenol	5.107	108	966812	13.396	ug/mL	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281610.D
Acq On : 28 Jul 2016 3:46 pm
Operator : BNA8:SF
Sample : I807281606
Misc : WG919318,MSAK07
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 03 12:31:20 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	5.275	77	1038630	13.569	ug/mL	97
24) Isophorone	5.497	82	1665337	13.882	ug/mL	99
25) 2-Nitrophenol	5.564	139	632372	15.105	ug/mL	93
26) 2,4-Dimethylphenol	5.593	107	929465	16.819	ug/mL	97
27) Benzoic acid	5.704	105	709584M4	13.506	ug/mL	
28) bis(2-Chloroethoxy)methan	5.685	93	1186103	13.262	ug/mL	99
29) 2,4-Dichlorophenol	5.786	162	900382	13.534	ug/mL	99
30) 1,2,4-Trichlorobenzene	5.868	180	942835	13.254	ug/mL	99
31) Naphthalene	5.945	128	3013012	13.537	ug/mL	100
32) 2-Chloroaniline	5.530	127	1554016	13.903	ug/ml	100
33) 4-Chloroaniline	5.988	127	1317257M4	13.942	ug/mL	
34) Hexachlorobutadiene	6.051	225	496263	13.705	ug/mL	99
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	6.445	107	871739	13.664	ug/mL	98
37) 2-Methylnaphthalene	6.604	142	2030374	13.233	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.763	216	897502	13.861	ug/mL	99
40) Hexachlorocyclopentadiene	6.749	237	492572	14.575	ug/mL	100
41) 2,4,6-Trichlorophenol	6.869	196	641173M4	13.204	ug/mL	
42) 2,4,5-Trichlorophenol	6.903	196	639447M4	14.260	ug/mL	
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	7.076	162	1866476	13.301	ug/mL	100
46) 2-Nitroaniline	7.177	65	531695	14.711	ug/mL	90
47) Acenaphthylene	7.481	152	3064848	13.724	ug/mL	100
48) Dimethylphthalate	7.355	163	2075462	13.729	ug/mL	100
49) 2,6-Dinitrotoluene	7.413	165	518411	15.820	ug/mL	99
50) Acenaphthene	7.654	153	1864141	13.484	ug/mL	98
51) 3-Nitroaniline	7.582	138	572131	14.436	ug/mL	88
52) 2,4-Dinitrophenol	7.688	184	419345	14.675	ug/mL	92
53) Dibenzofuran	7.832	168	2454246	13.079	ug/mL	99
54) 2,3,4,6-Tetrachlorophenol	7.962	232	476027	14.619	ug/mL	99
55) 2,4-Dinitrotoluene	7.823	165	673069	15.321	ug/mL#	77
56) 4-Nitrophenol	7.745	109	294194	14.825	ug/mL	95
57) Fluorene	8.213	166	1940736	13.318	ug/mL	100
58) 4-Chlorophenyl-phenylethe	8.208	204	882826	12.972	ug/mL	97
59) Diethylphthalate	8.083	149	2181354	14.134	ug/mL	99
60) 4-Nitroaniline	8.241	138	565266	13.718	ug/mL	96
62) 4,6-Dinitro-2-methylpheno	8.275	198	466951	16.312	ug/mL	99
63) Azobenzene	8.396	182	594004	13.397	ug/mL	95
64) n-Nitrosodiphenylamine	8.352	169	1475033	12.882	ug/mL	98
66) 4-Bromophenyl-phenylether	8.810	248	530046	13.299	ug/mL	96
67) Hexachlorobenzene	8.882	284	533538	13.162	ug/mL	96

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281610.D
Acq On : 28 Jul 2016 3:46 pm
Operator : BNA8:SF
Sample : I807281606
Misc : WG919318,MSAK07
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 03 12:31:20 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Atrazine	0.000		0	N.D. d		
69) Pentachlorophenol	9.152	266	431606	13.439	ug/mL	97
70) Pentachloronitrobenzene	9.171	237	246015	15.281	ug/ml	93
71) Phenanthrene	9.465	178	3076703	13.350	ug/mL	100
72) Anthracene	9.542	178	3116636	13.850	ug/mL	100
73) Carbazole	9.792	167	2875884	12.709	ug/mL	100
74) Di-n-butylphthalate	10.418	149	3863451	14.730	ug/mL	99
75) Fluoranthene	11.526	202	3342414	13.769	ug/mL	96
77) Benzidine	0.000		0	N.D.		
78) Pyrene	11.973	202	3532392	13.855	ug/mL	97
80) Butylbenzylphthalate	13.553	149	1867929	15.672	ug/mL	95
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	14.670	228	3132749	14.121	ug/mL	100
83) Chrysene	14.757	228	3069047M4	13.733	ug/mL	
84) bis(2-Ethylhexyl)phthalat	15.017	149	2505955	16.129	ug/mL	99
86) Di-n-octylphthalate	16.533	149	4426175	14.812	ug/mL	99
87) Benzo[b]fluoranthene	17.058	252	3044189	14.905	ug/mL	98
88) Benzo[k]fluoranthene	17.121	252	2905878M4	14.186	ug/mL	
89) Benzo[a]pyrene	17.689	252	2931672	15.009	ug/mL	98
90) Indeno[1,2,3-cd]pyrene	19.601	276	2551186M3	16.246	ug/mL	
91) Dibenz[a,h]anthracene	19.654	278	2503009	15.451	ug/mL	97
92) Benzo[g,h,i]perylene	20.034	276	2691420	15.512	ug/mL	98

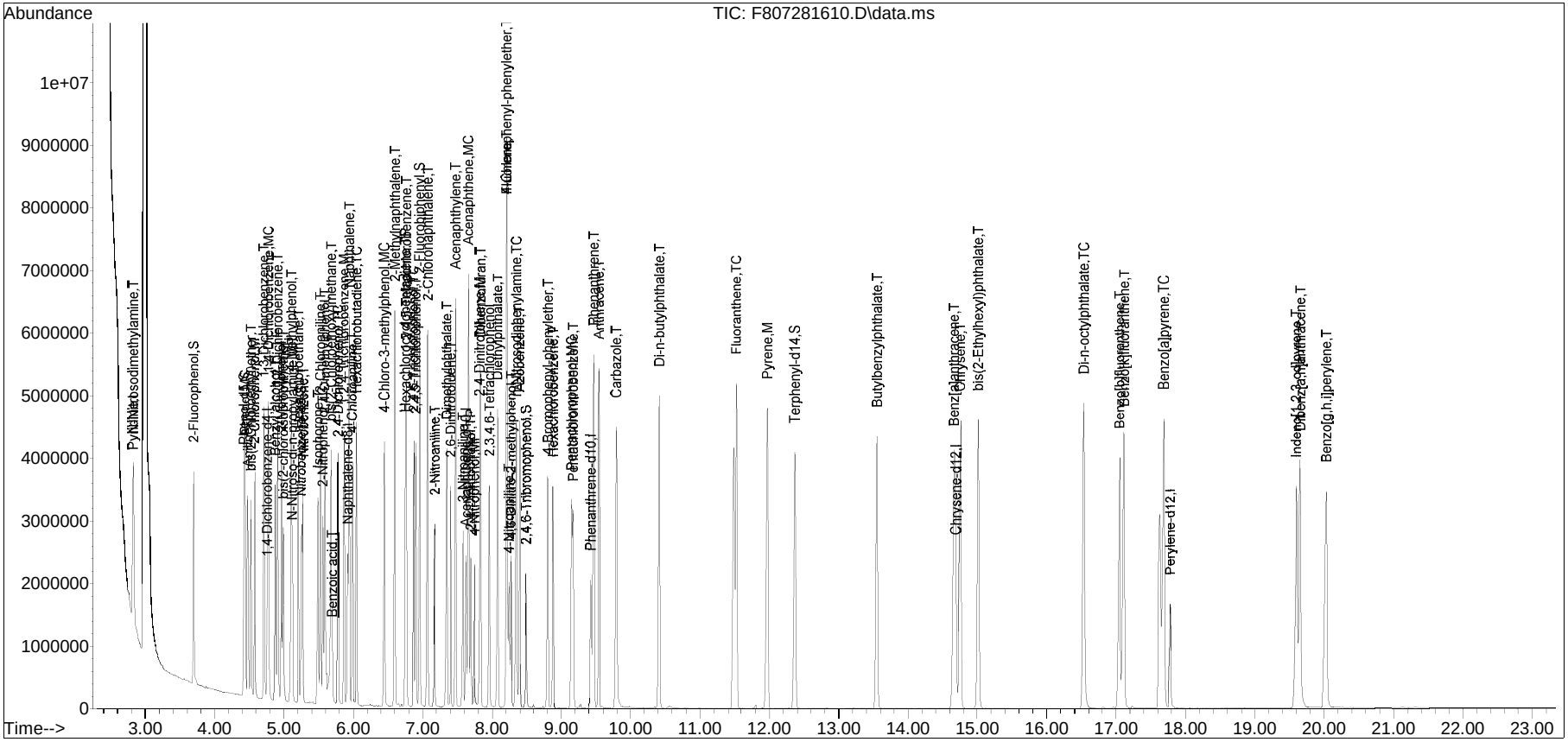
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281610.D
Acq On : 28 Jul 2016 3:46 pm
Operator : BNA8:SF
Sample : I807281606
Misc : WG919318,MSAK07
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 03 12:31:20 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

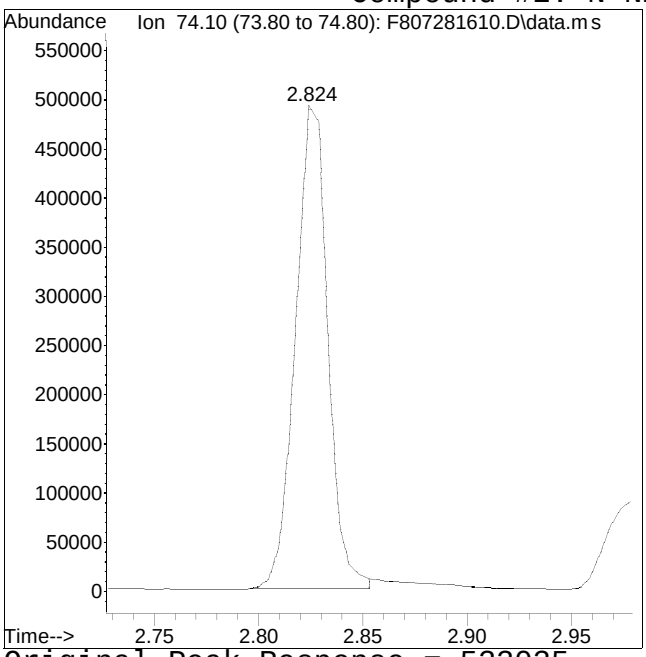
Sub List : Default - All compounds listed

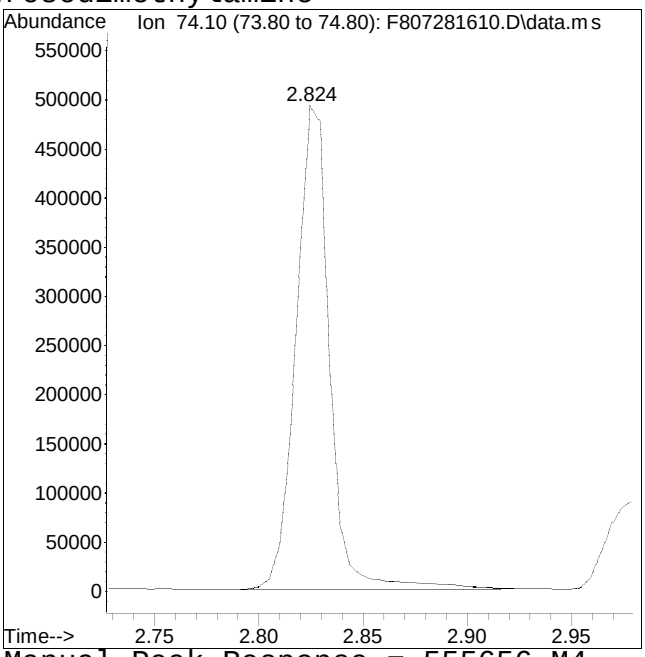


Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281610.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 3:46 pm Instrument : BNA8
Sample : I807281606 Quant Date : 8/1/2016 11:58 am

Compound #2: N-Nitrosodimethylamine



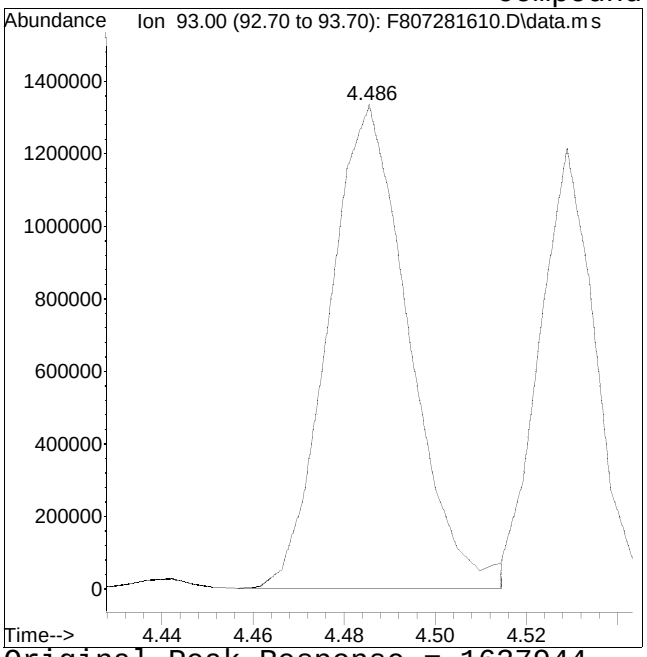


Original Peak Response = 533035 Manual Peak Response = 555656 M4
M4 = Poor automated baseline construction.

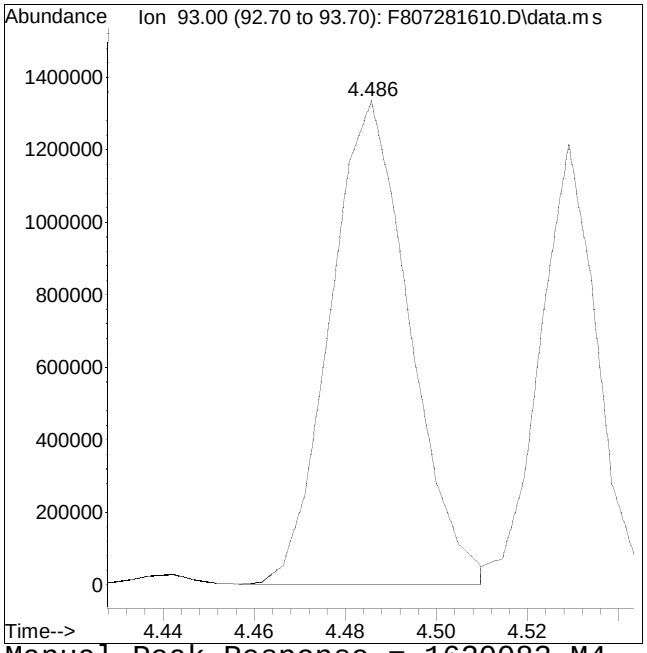
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281610.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 3:46 pm Instrument : BNA8
Sample : I807281606 Quant Date : 8/1/2016 11:58 am

Compound #6: Aniline



Original Peak Response = 1637944



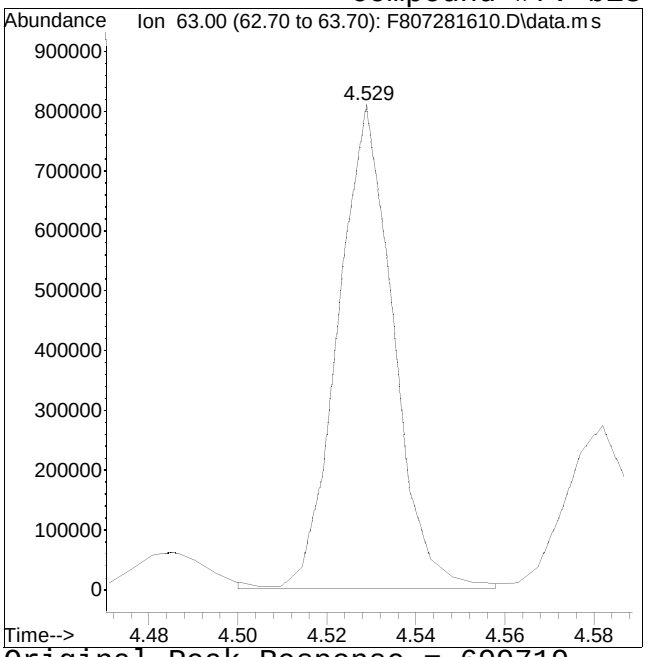
Manual Peak Response = 1620083 M4

M4 = Poor automated baseline construction.

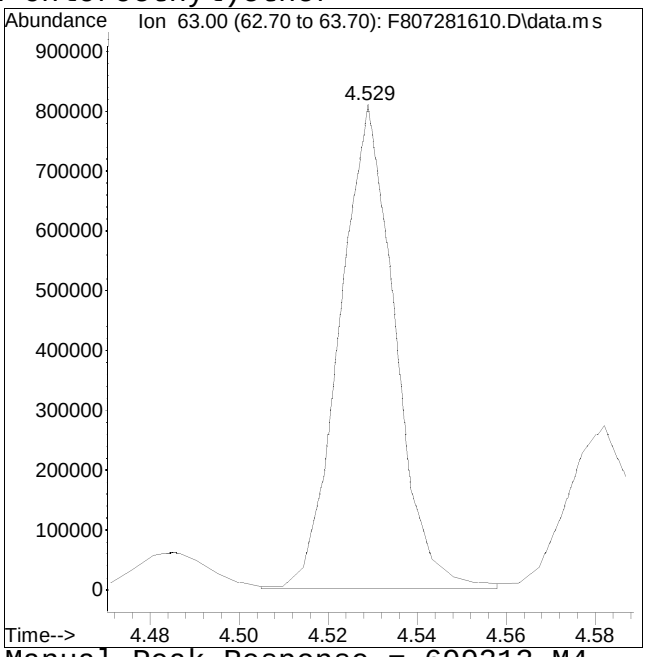
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281610.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 3:46 pm Instrument : BNA8
Sample : I807281606 Quant Date : 8/1/2016 11:58 am

Compound #7: bis(2-Chloroethyl)ether



Original Peak Response = 699719



Manual Peak Response = 699313 M4

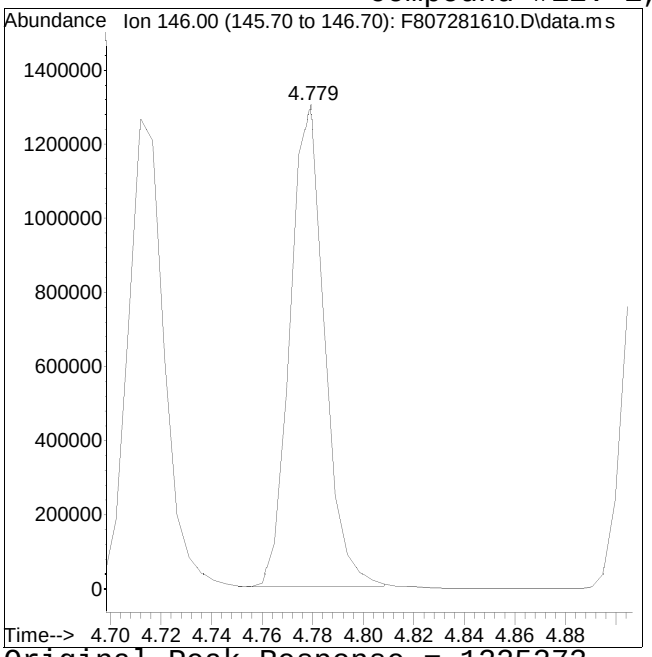
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

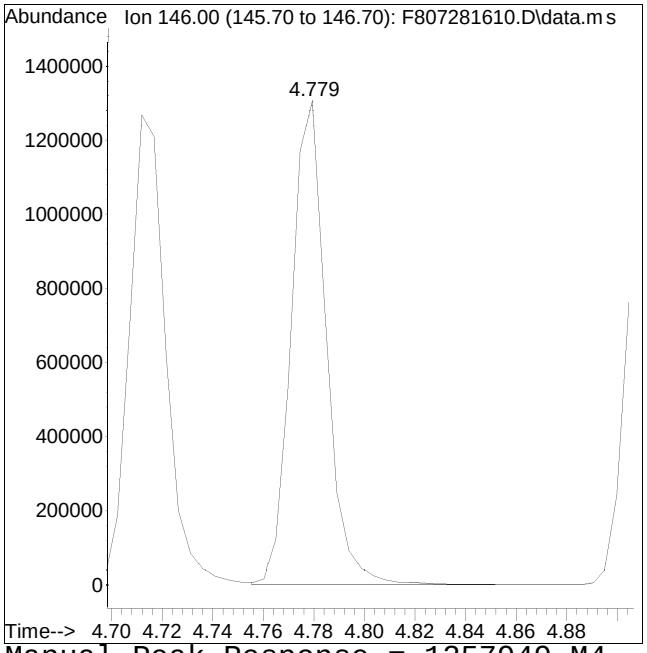
Data Path : O:\Organics\DATA\BNA8\2016\
Data File : F807281610.D
Date Inj'd : 7/28/2016 3:46 pm
Sample : I807281606

QMethod : SV0728BNA8.M
Operator : BNA8:SF
Instrument : BNA8
Quant Date : 8/1/2016 11:58 am

Compound #12: 1,4-Dichlorobenzene



Original Peak Response = 1225273



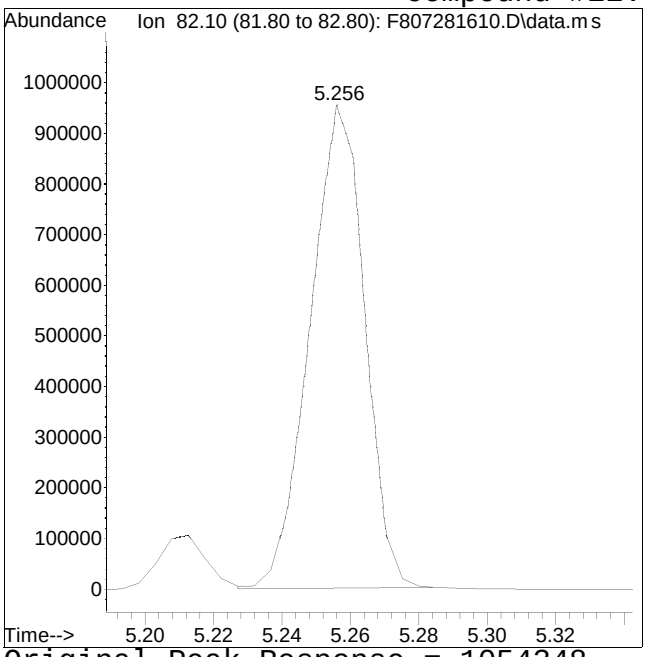
Manual Peak Response = 1257949 M4

M4 = Poor automated baseline construction.

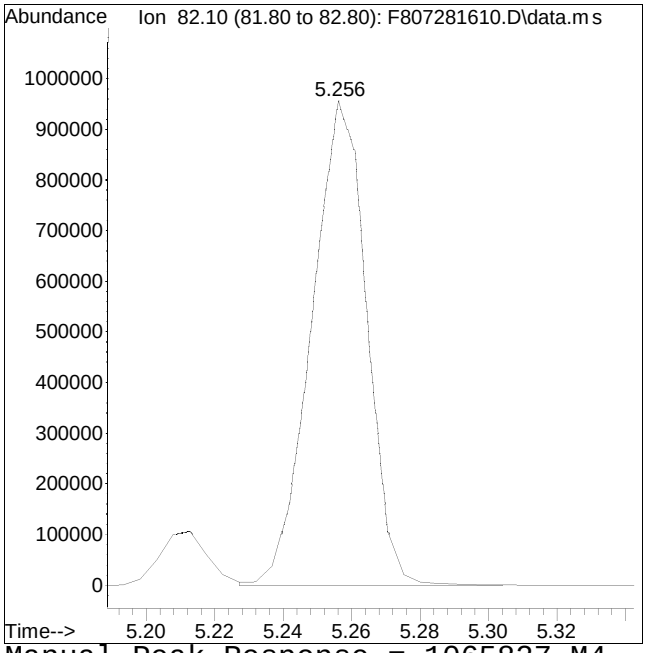
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281610.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 3:46 pm Instrument : BNA8
Sample : I807281606 Quant Date : 8/1/2016 11:58 am

Compound #22: Nitrobenzene-d5



Original Peak Response = 1054348



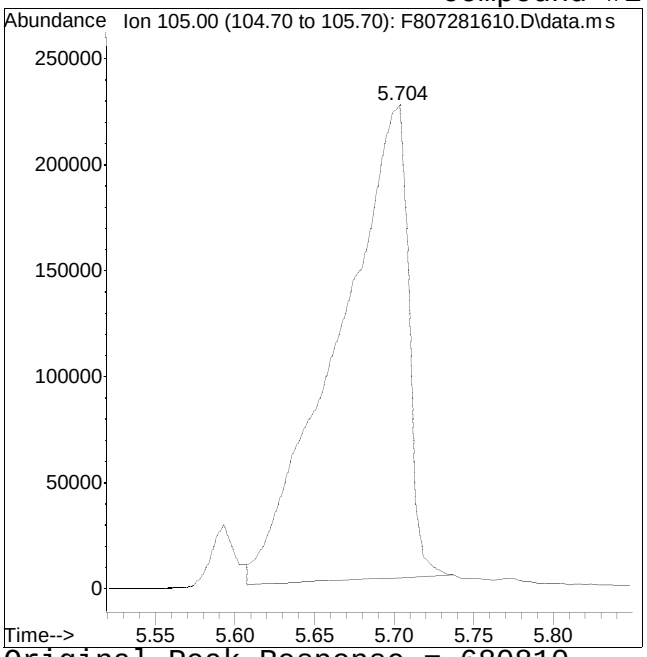
Manual Peak Response = 1065827 M4

M4 = Poor automated baseline construction.

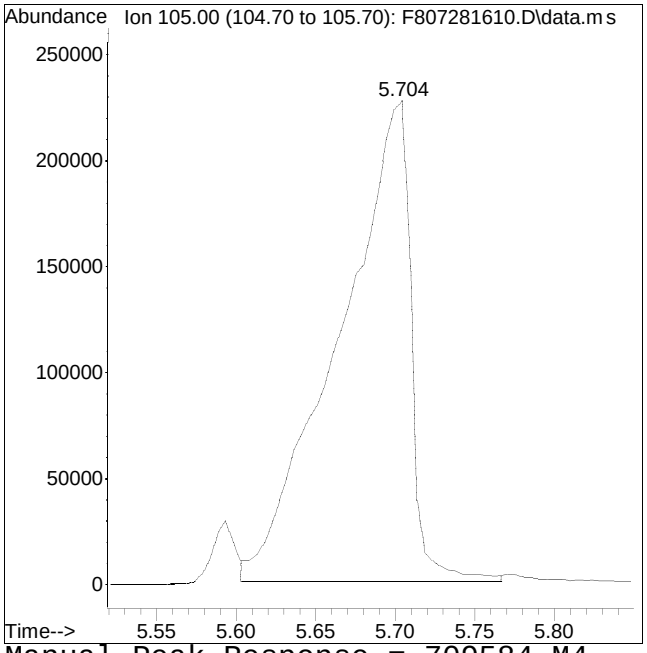
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281610.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 3:46 pm Instrument : BNA8
Sample : I807281606 Quant Date : 8/1/2016 11:58 am

Compound #27: Benzoic acid



Original Peak Response = 680810



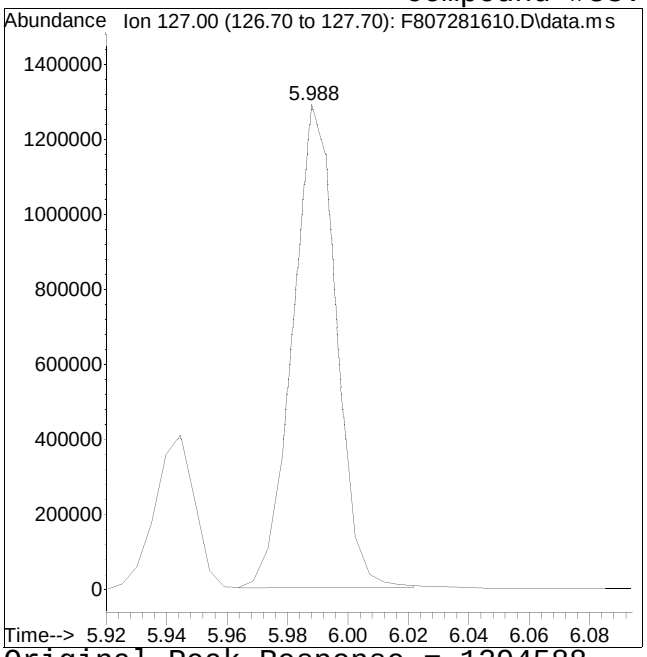
Manual Peak Response = 709584 M4

M4 = Poor automated baseline construction.

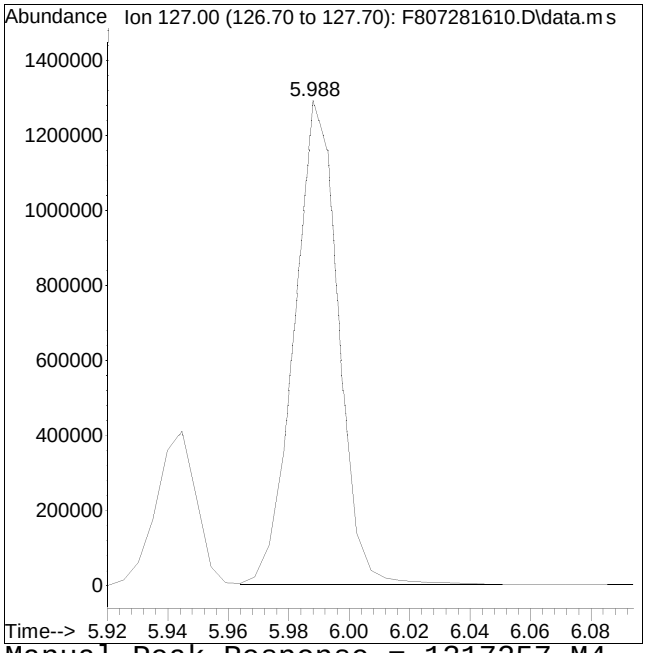
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281610.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 3:46 pm Instrument : BNA8
Sample : I807281606 Quant Date : 8/1/2016 11:58 am

Compound #33: 4-Chloroaniline



Original Peak Response = 1294588



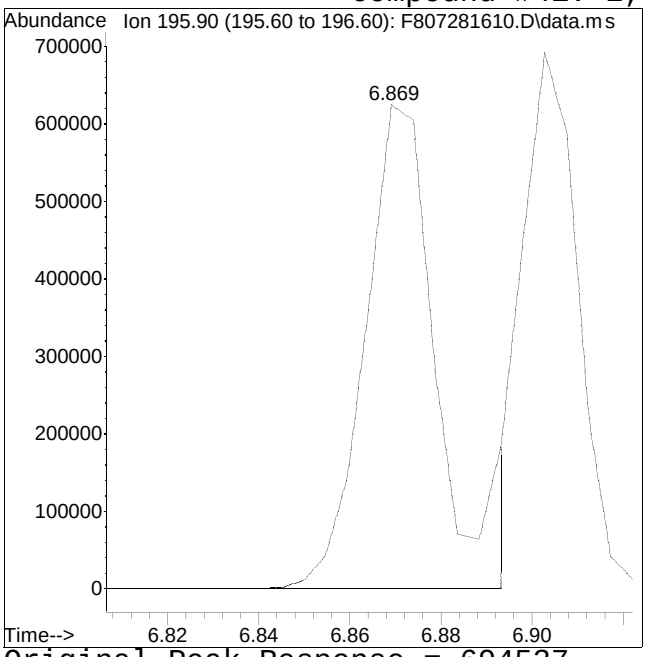
Manual Peak Response = 1317257 M4

M4 = Poor automated baseline construction.

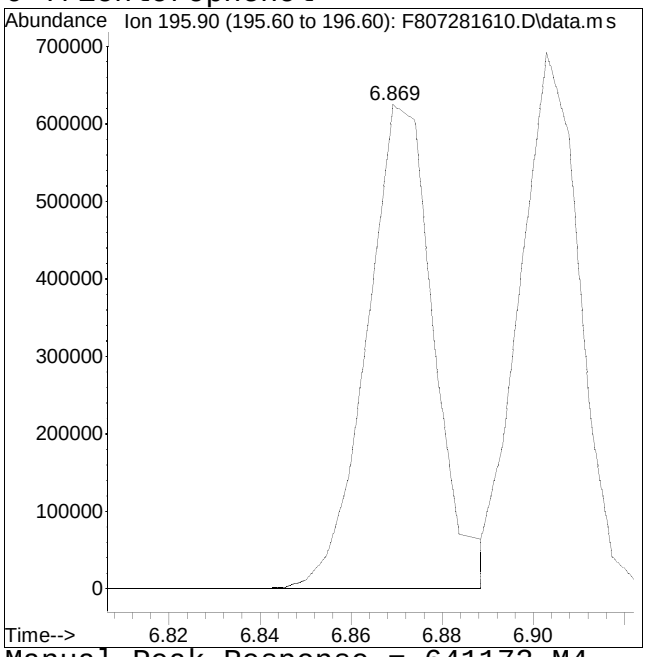
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281610.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 3:46 pm Instrument : BNA8
Sample : I807281606 Quant Date : 8/1/2016 11:58 am

Compound #41: 2,4,6-Trichlorophenol



Original Peak Response = 694537



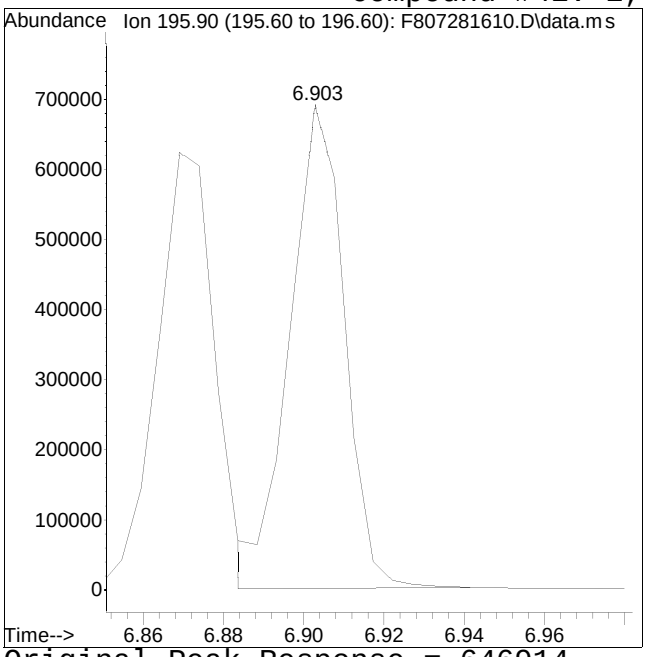
Manual Peak Response = 641173 M4

M4 = Poor automated baseline construction.

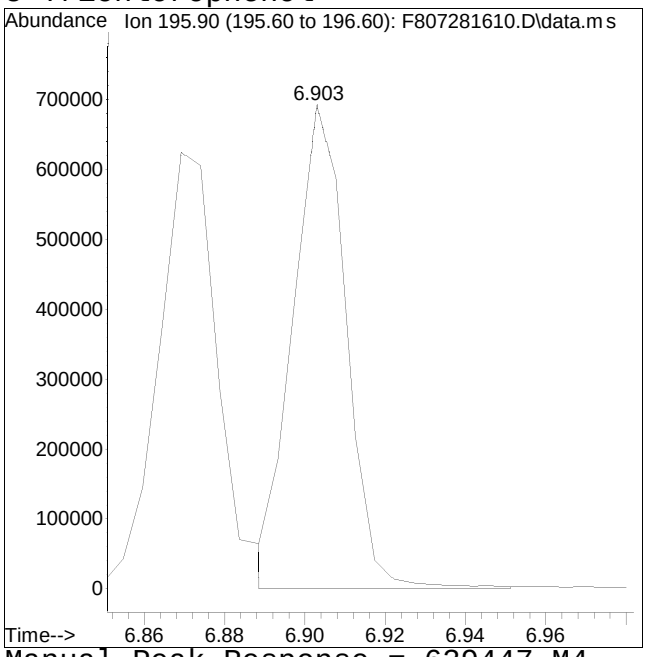
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281610.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 3:46 pm Instrument : BNA8
Sample : I807281606 Quant Date : 8/1/2016 11:58 am

Compound #42: 2,4,5-Trichlorophenol



Original Peak Response = 646914



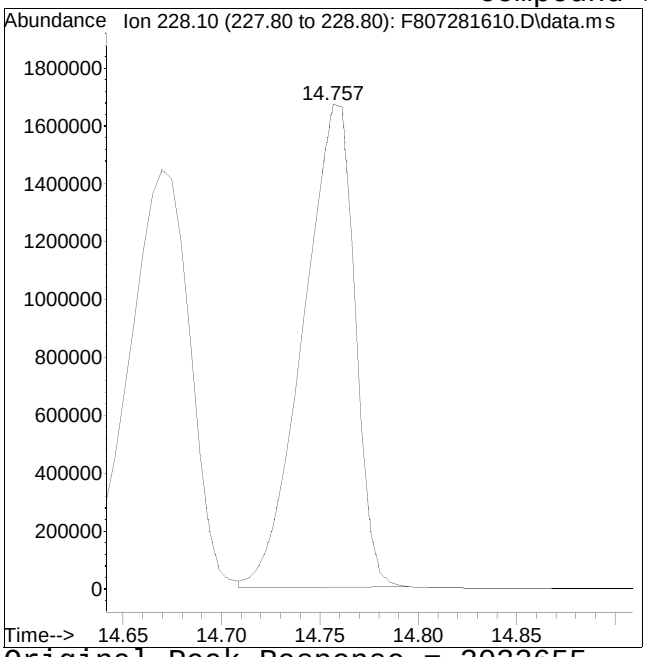
Manual Peak Response = 639447 M4

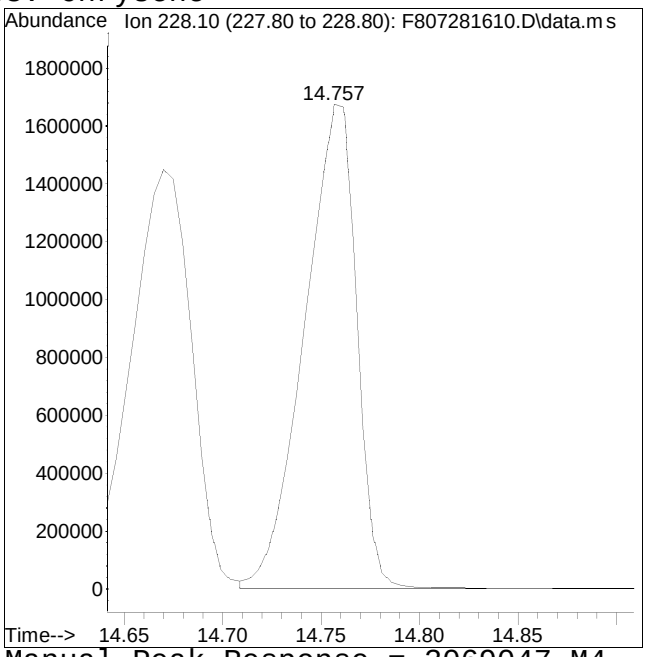
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281610.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 3:46 pm Instrument : BNA8
Sample : I807281606 Quant Date : 8/1/2016 11:58 am

Compound #83: Chrysene



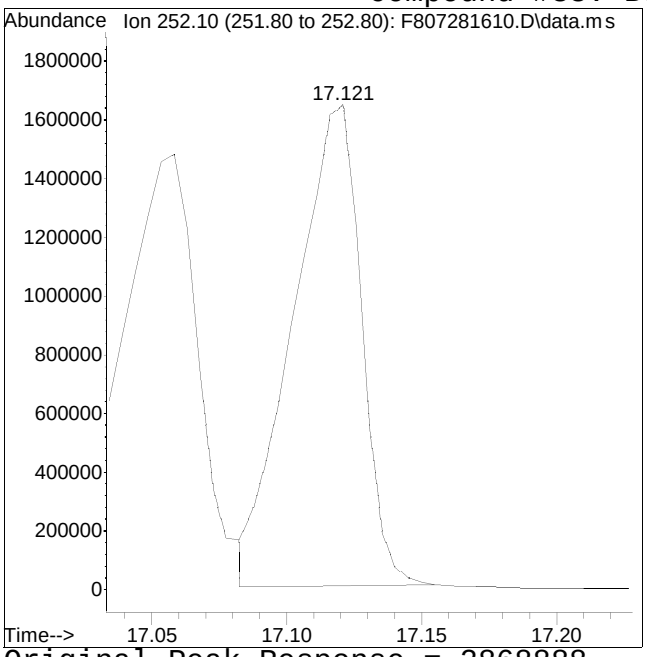


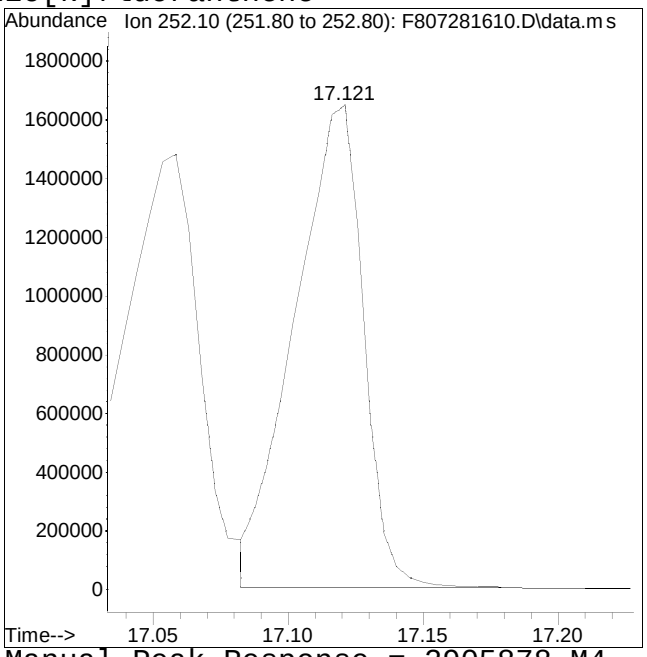
Original Peak Response = 3033655 Manual Peak Response = 3069047 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281610.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 3:46 pm Instrument : BNA8
Sample : I807281606 Quant Date : 8/1/2016 11:58 am

Compound #88: Benzo[k]fluoranthene



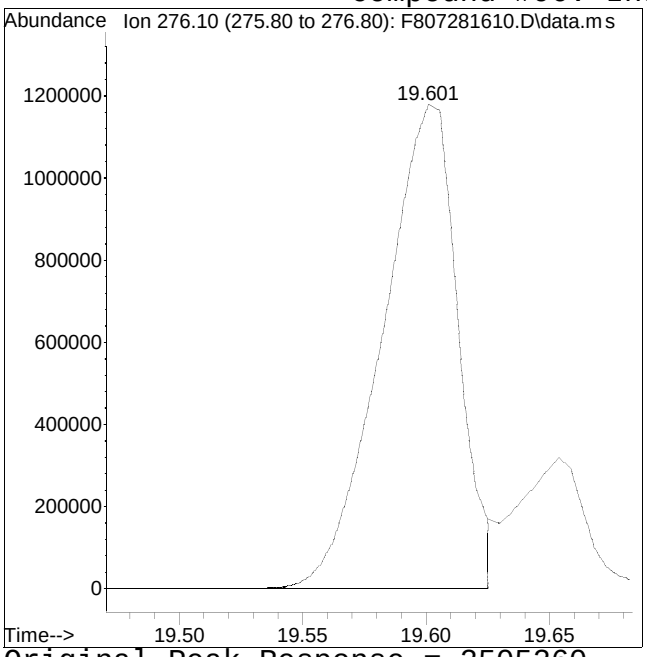


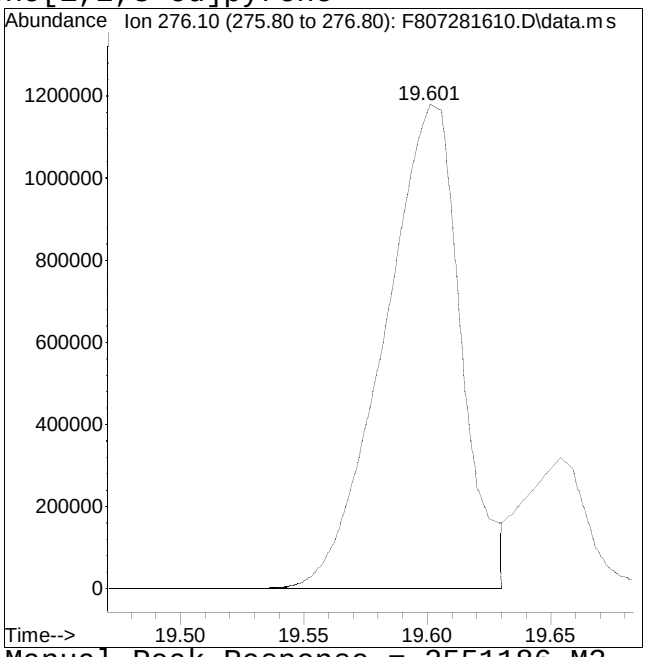
Original Peak Response = 2868888 Manual Peak Response = 2905878 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281610.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 3:46 pm Instrument : BNA8
Sample : I807281606 Quant Date : 8/1/2016 11:58 am

Compound #90: Indeno[1,2,3-cd]pyrene





Original Peak Response = 2505260 Manual Peak Response = 2551186 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281611.D
Acq On : 28 Jul 2016 4:20 pm
Operator : BNA8:SF
Sample : I807281607
Misc : WG919318,MSAK06
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 10 09:12:48 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 10 09:12:48 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.765	152	268391	5.000	ug/mL	0.00
21) Naphthalene-d8	5.925	136	1045802	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.620	164	504537	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.431	188	974602	5.000	ug/mL	0.00
76) Chrysene-d12	14.699	240	869948	5.000	ug/mL	0.02
85) Perylene-d12	17.790	264	871856M4	5.000	ug/mL	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	3.701	112	1624026	25.178	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 125.89%#			
8) Phenol-d5	4.433	99	1971564	25.233	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 126.16%#			
22) Nitrobenzene-d5	5.261	82	1612798	24.810	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 124.05%#			
43) 2-Fluorobiphenyl	6.961	172	3114220	23.353	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 116.77%#			
65) 2,4,6-Tribromophenol	8.501	330	349163	26.875	ug/mL	0.01
Spiked Amount 20.000	Range 10 - 123		Recovery = 134.38%#			
79) Terphenyl-d14	12.378	244	3139140	25.478	ug/mL	0.02
Spiked Amount 20.000	Range 33 - 141		Recovery = 127.39%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.843	74	850335M4	24.654	ug/mL	
3) Pyridine	2.834	79	1669023	25.437	ug/mL	98
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.490	93	2477733M4	24.864	ug/ml	
7) bis(2-Chloroethyl)ether	4.534	63	1049740	24.049	ug/mL	95
9) Phenol	4.447	94	1973262	24.323	ug/mL#	85
10) 2-Chlorophenol	4.587	128	1768415	25.195	ug/mL	97
11) 1,3-Dichlorobenzene	4.717	146	1906673	24.761	ug/mL	100
12) 1,4-Dichlorobenzene	4.779	146	1880516M4	24.458	ug/mL	
13) 1,2-Dichlorobenzene	4.914	146	1788563	24.482	ug/mL	100
14) Benzyl alcohol	4.880	108	1100597	25.784	ug/mL	89
15) bis(2-chloroisopropyl)eth	4.996	45	1817444	23.166	ug/mL#	64
16) 2-Methylphenol	4.967	108	1370880M4	24.847	ug/mL	
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	5.213	117	785253	25.078	ug/mL	96
19) N-Nitroso-di-n-propylamin	5.131	70	1061355	24.610	ug/mL	96
20) 4-Methylphenol	5.111	108	1479401	24.608	ug/mL	99
23) Nitrobenzene	5.280	77	1568619	24.019	ug/mL	97

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281611.D
Acq On : 28 Jul 2016 4:20 pm
Operator : BNA8:SF
Sample : I807281607
Misc : WG919318,MSAK06
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 10 09:12:48 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 10 09:12:48 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.502	82	2564172	25.091	ug/mL	99
25) 2-Nitrophenol	5.569	139	960924	25.695	ug/mL	94
26) 2,4-Dimethylphenol	5.598	107	1396844	23.694	ug/mL	98
27) Benzoic acid	5.728	105	1181925M4	25.211	ug/mL	
28) bis(2-Chloroethoxy)methan	5.689	93	1766998	23.537	ug/mL	99
29) 2,4-Dichlorophenol	5.786	162	1373791	24.826	ug/mL	99
30) 1,2,4-Trichlorobenzene	5.867	180	1410048	23.864	ug/mL	100
31) Naphthalene	5.945	128	4467716	23.391	ug/mL	99
32) 2-Chloroaniline	5.535	127	2327813	24.108	ug/ml	99
33) 4-Chloroaniline	5.993	127	1972358M4	24.095	ug/mL	
34) Hexachlorobutadiene	6.050	225	743761	24.606	ug/mL	99
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	6.445	107	1349764	25.391	ug/mL	97
37) 2-Methylnaphthalene	6.604	142	2990860	23.598	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.768	216	1311839	23.170	ug/mL	99
40) Hexachlorocyclopentadiene	6.753	237	765454	27.354	ug/mL	99
41) 2,4,6-Trichlorophenol	6.874	196	1000508M4	25.405	ug/mL	
42) 2,4,5-Trichlorophenol	6.908	196	968412M4	24.408	ug/mL	
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	7.076	162	2795776	23.438	ug/mL	99
46) 2-Nitroaniline	7.177	65	841656	25.844	ug/mL	90
47) Acenaphthylene	7.485	152	4639550	23.771	ug/mL	100
48) Dimethylphthalate	7.360	163	3316168	25.483	ug/mL	100
49) 2,6-Dinitrotoluene	7.418	165	818190	27.008	ug/mL	99
50) Acenaphthene	7.659	153	2840521	23.539	ug/mL	98
51) 3-Nitroaniline	7.587	138	914597	26.193	ug/mL	89
52) 2,4-Dinitrophenol	7.692	184	681435	26.317	ug/mL	97
53) Dibenzofuran	7.837	168	3672950	23.176	ug/mL	98
54) 2,3,4,6-Tetrachlorophenol	7.967	232	753603	26.835	ug/mL	98
55) 2,4-Dinitrotoluene	7.827	165	1005409	25.733	ug/mL#	79
56) 4-Nitrophenol	7.755	109	476641	27.885	ug/mL	92
57) Fluorene	8.217	166	2905588	22.923	ug/mL	99
58) 4-Chlorophenyl-phenylethe	8.213	204	1326164	22.935	ug/mL	97
59) Diethylphthalate	8.087	149	3294459	24.578	ug/mL	99
60) 4-Nitroaniline	8.256	138	888834	25.281	ug/mL	97
62) 4,6-Dinitro-2-methylpheno	8.285	198	740062	27.885	ug/mL	98
63) Azobenzene	8.405	182	930607	24.814	ug/mL	98
64) n-Nitrosodiphenylamine	8.357	169	2308266	24.405	ug/mL	99
66) 4-Bromophenyl-phenylether	8.814	248	845898	25.338	ug/mL	98
67) Hexachlorobenzene	8.887	284	851625	24.937	ug/mL	98
68) Atrazine	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281611.D
Acq On : 28 Jul 2016 4:20 pm
Operator : BNA8:SF
Sample : I807281607
Misc : WG919318,MSAK06
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 10 09:12:48 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 10 09:12:48 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	9.156	266	718778	28.390	ug/mL	97
70) Pentachloronitrobenzene	9.176	237	399917	27.318	ug/ml	92
71) Phenanthrene	9.469	178	4740243	24.156	ug/mL	100
72) Anthracene	9.546	178	4684702	24.074	ug/mL	100
73) Carbazole	9.802	167	4248341	23.111	ug/mL	100
74) Di-n-butylphthalate	10.423	149	5786797	25.078	ug/mL	100
75) Fluoranthene	11.535	202	5024256	24.019	ug/mL	96
77) Benzidine	0.000		0	N.D.		
78) Pyrene	11.978	202	5347108	25.321	ug/mL	96
80) Butylbenzylphthalate	13.558	149	2873689	27.978	ug/mL	95
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	14.684	228	4889581	26.566	ug/mL	100
83) Chrysene	14.771	228	4542832	24.533	ug/mL	100
84) bis(2-Ethylhexyl)phthalat	15.021	149	3805714	28.402	ug/mL	99
86) Di-n-octylphthalate	16.543	149	6696854	26.532	ug/mL	99
87) Benzo[b]fluoranthene	17.068	252	4791938	25.786	ug/mL	98
88) Benzo[k]fluoranthene	17.135	252	4440672M4	24.038	ug/mL	
89) Benzo[a]pyrene	17.708	252	4509740	24.926	ug/mL	98
90) Indeno[1,2,3-cd]pyrene	19.615	276	4131861M3	27.962	ug/mL	
91) Dibenz[a,h]anthracene	19.668	278	3965254M4	26.498	ug/mL	
92) Benzo[g,h,i]perylene	20.053	276	4273982	25.723	ug/mL	98

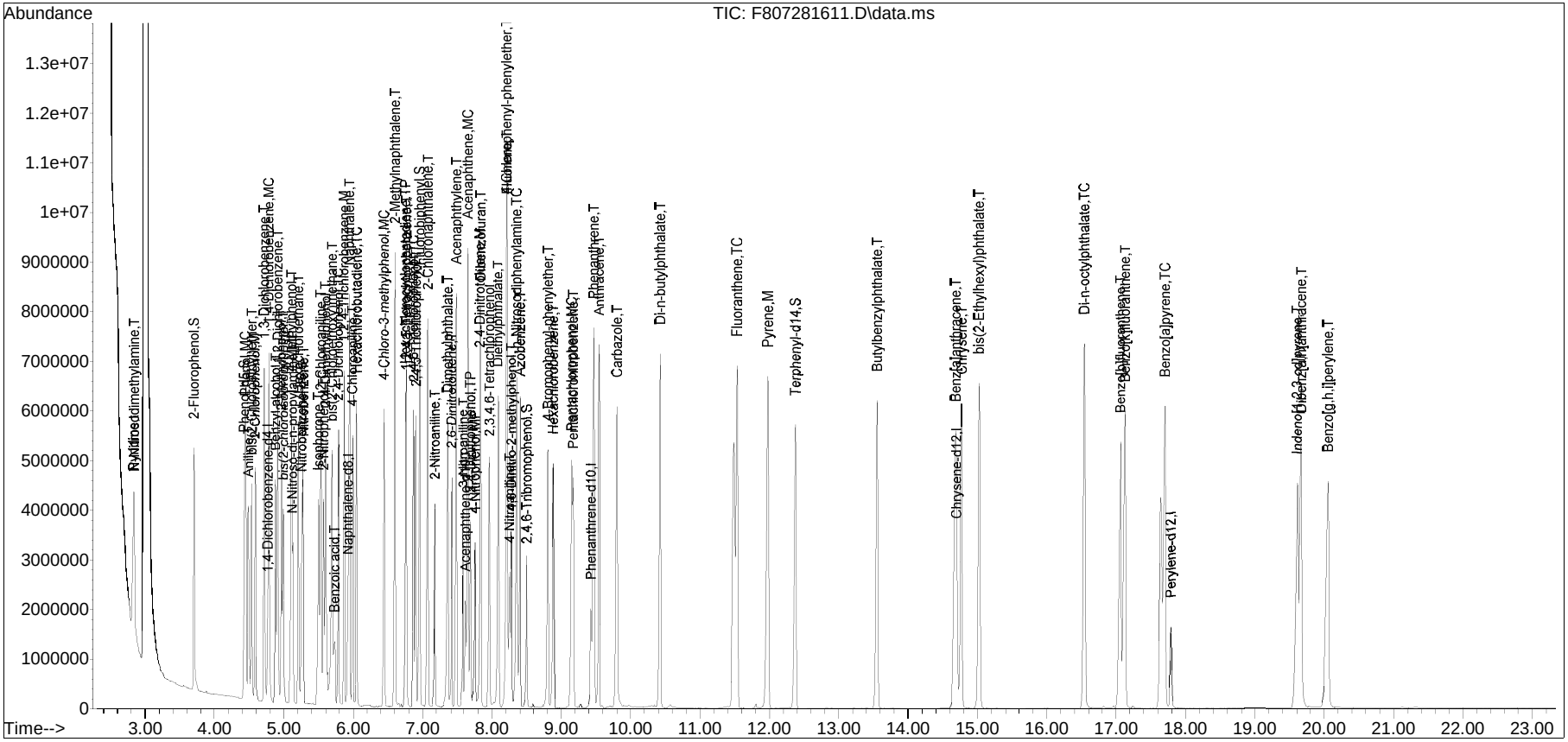
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281611.D
Acq On : 28 Jul 2016 4:20 pm
Operator : BNA8:SF
Sample : I807281607
Misc : WG919318,MSAK06
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 10 09:12:48 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 10 09:12:48 2016
Response via : Initial Calibration

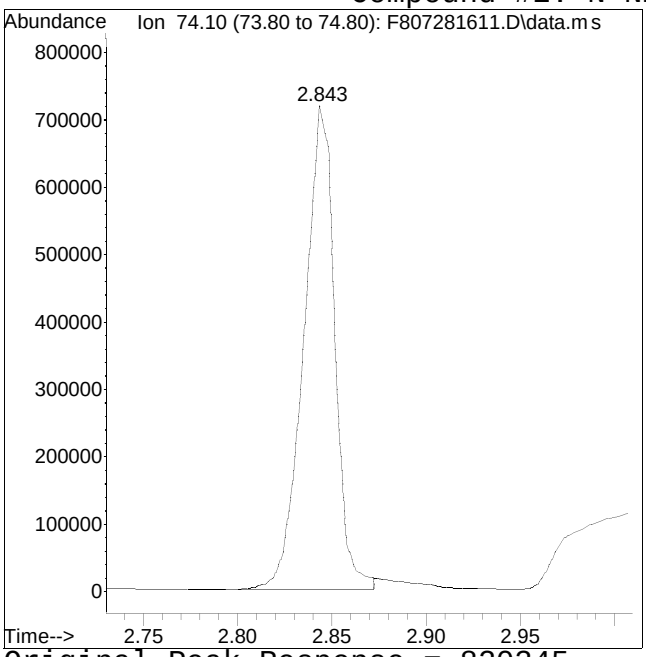
Sub List : Default - All compounds listed

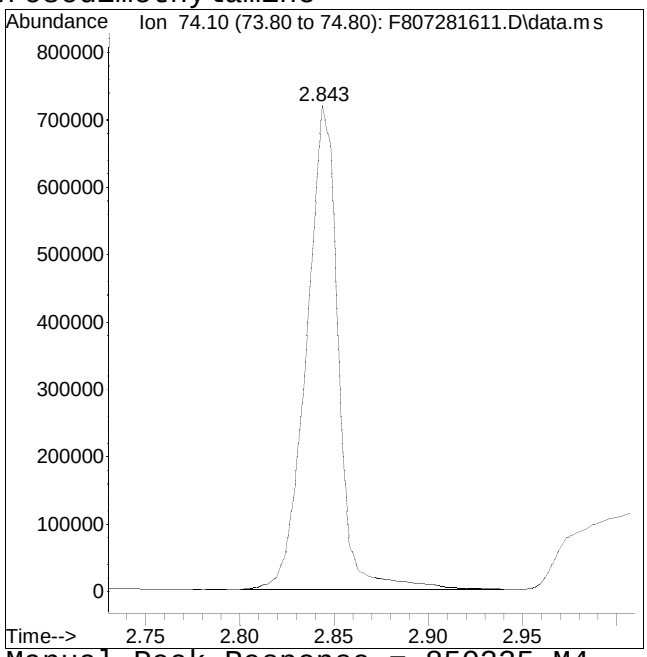


Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281611.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 4:20 pm Instrument : BNA8
Sample : I807281607 Quant Date : 8/10/2016 9:12 am

Compound #2: N-Nitrosodimethylamine





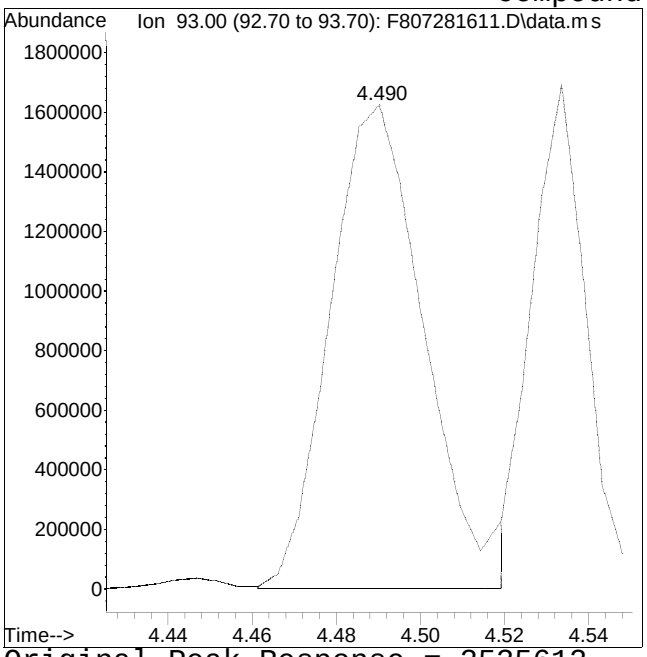
Original Peak Response = 820345 Manual Peak Response = 850335 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

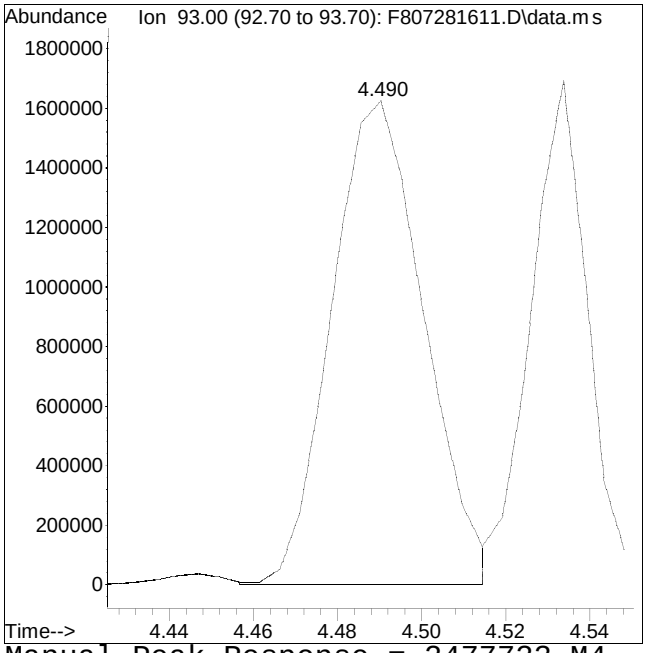
Data Path : O:\Organics\DATA\BNA8\2016\
Data File : F807281611.D
Date Inj'd : 7/28/2016 4:20 pm
Sample : I807281607

QMethod : SV0728BNA8.M
Operator : BNA8:SF
Instrument : BNA8
Quant Date : 8/10/2016 9:12 am

Compound #6: Aniline



Original Peak Response = 2535612



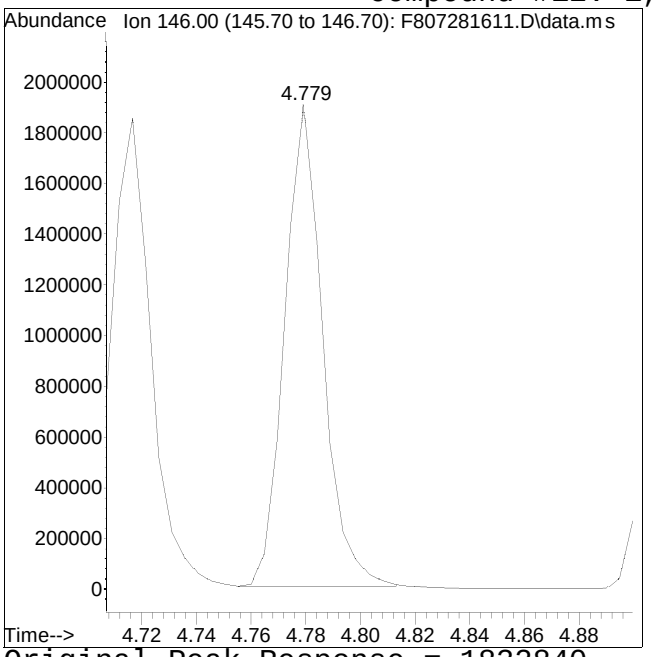
Manual Peak Response = 2477733 M4

M4 = Poor automated baseline construction.

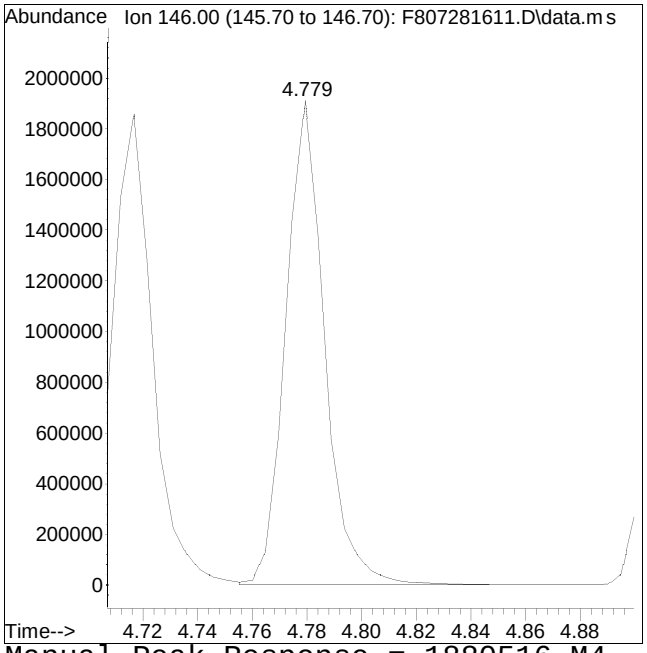
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281611.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 4:20 pm Instrument : BNA8
Sample : I807281607 Quant Date : 8/10/2016 9:12 am

Compound #12: 1,4-Dichlorobenzene



Original Peak Response = 1832840



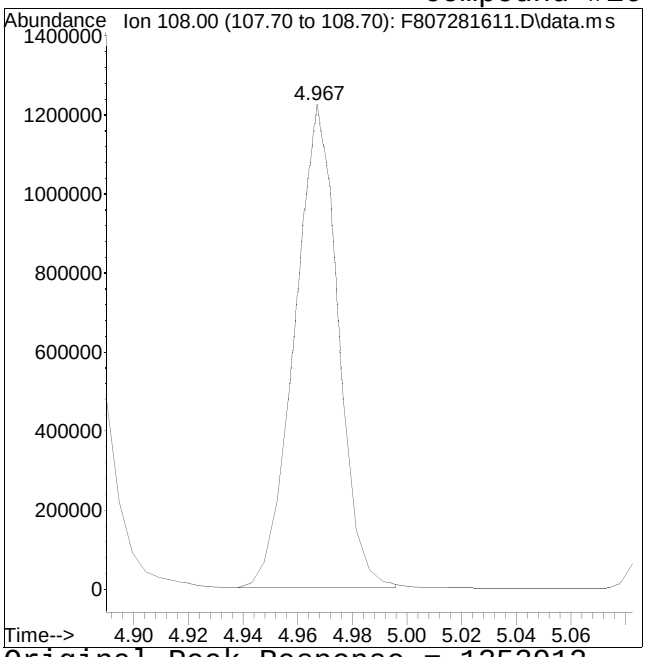
Manual Peak Response = 1880516 M4

M4 = Poor automated baseline construction.

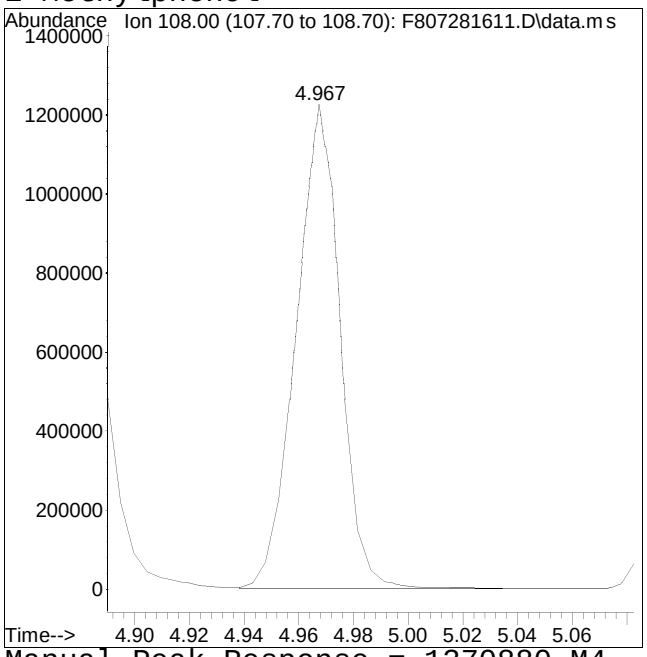
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281611.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 4:20 pm Instrument : BNA8
Sample : I807281607 Quant Date : 8/10/2016 9:12 am

Compound #16: 2-Methylphenol



Original Peak Response = 1353912



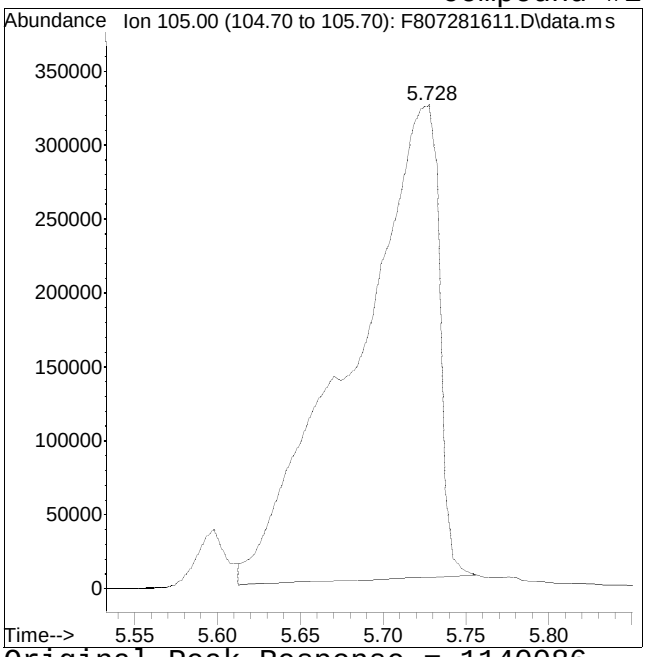
Manual Peak Response = 1370880 M4

M4 = Poor automated baseline construction.

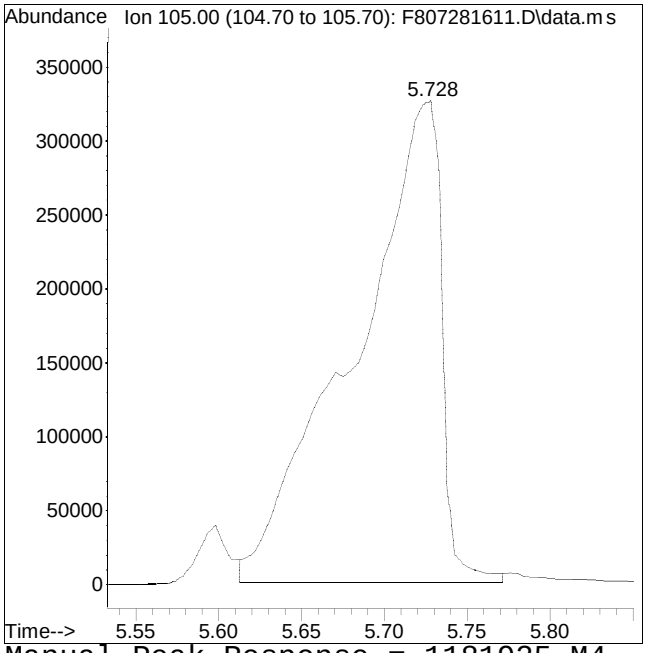
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281611.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 4:20 pm Instrument : BNA8
Sample : I807281607 Quant Date : 8/10/2016 9:12 am

Compound #27: Benzoic acid



Original Peak Response = 1140086



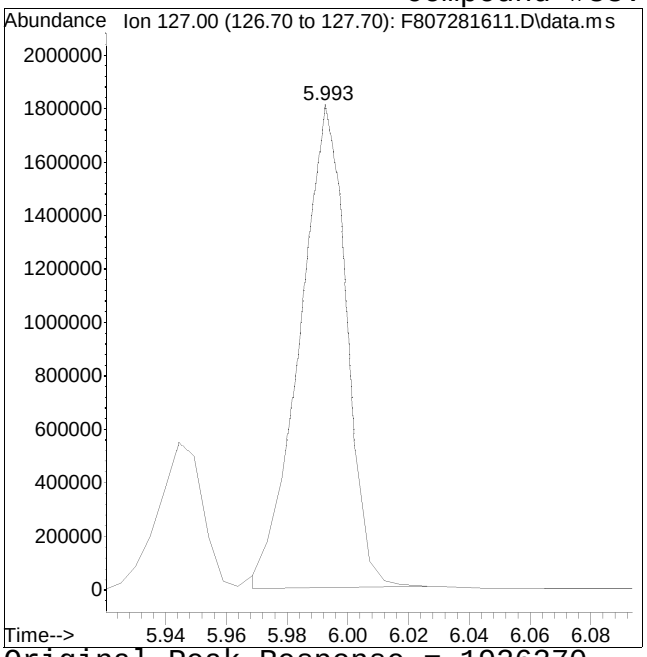
Manual Peak Response = 1181925 M4

M4 = Poor automated baseline construction.

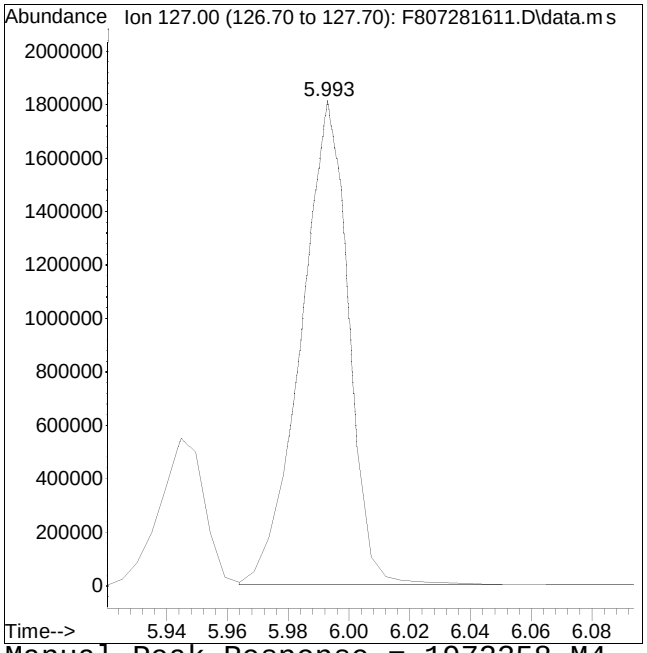
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281611.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 4:20 pm Instrument : BNA8
Sample : I807281607 Quant Date : 8/10/2016 9:12 am

Compound #33: 4-Chloroaniline



Original Peak Response = 1926370



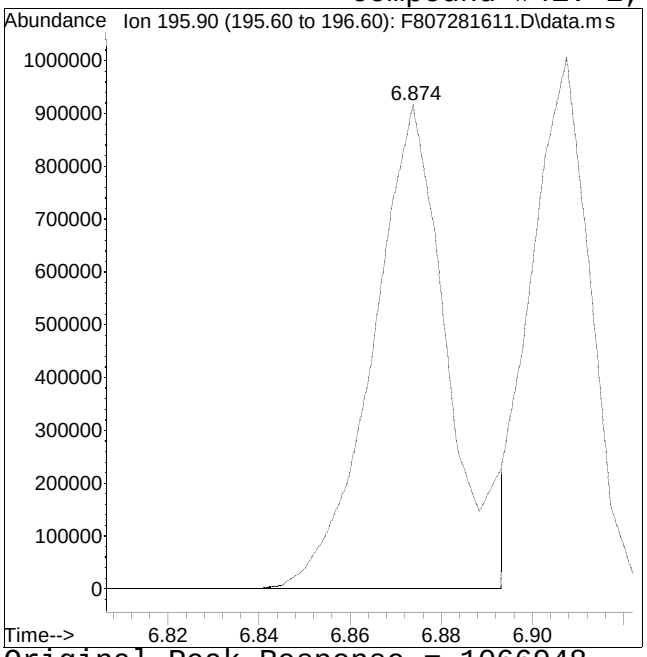
Manual Peak Response = 1972358 M4

M4 = Poor automated baseline construction.

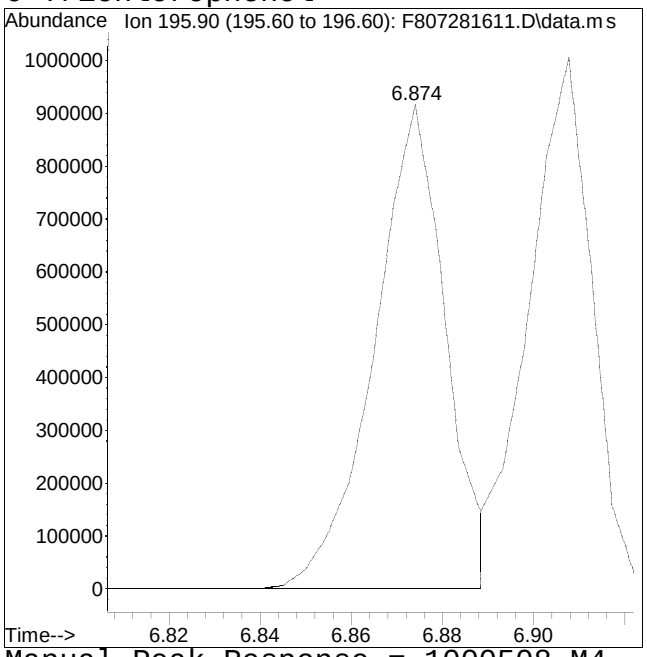
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281611.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 4:20 pm Instrument : BNA8
Sample : I807281607 Quant Date : 8/10/2016 9:12 am

Compound #41: 2,4,6-Trichlorophenol



Original Peak Response = 1066948



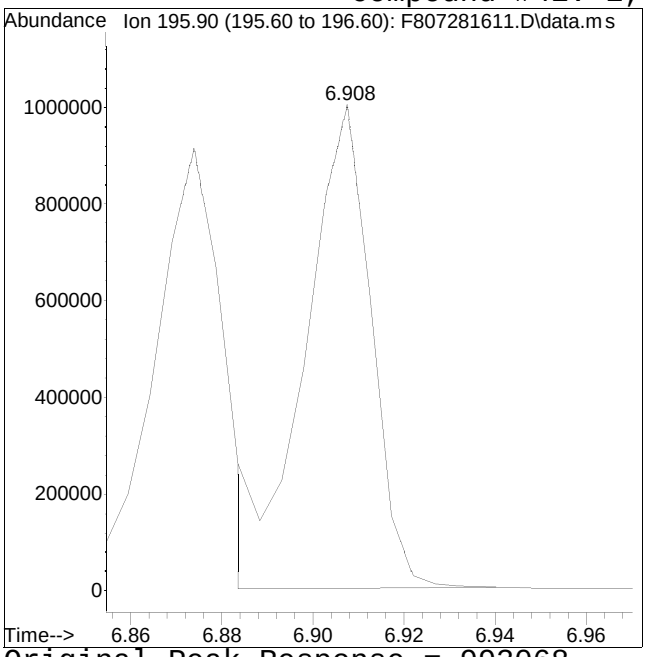
Manual Peak Response = 1000508 M4

M4 = Poor automated baseline construction.

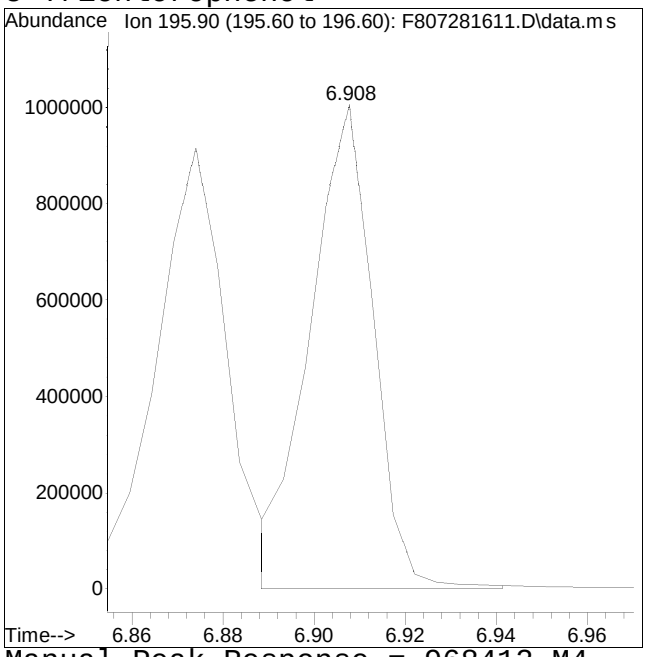
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281611.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 4:20 pm Instrument : BNA8
Sample : I807281607 Quant Date : 8/10/2016 9:12 am

Compound #42: 2,4,5-Trichlorophenol



Original Peak Response = 993068



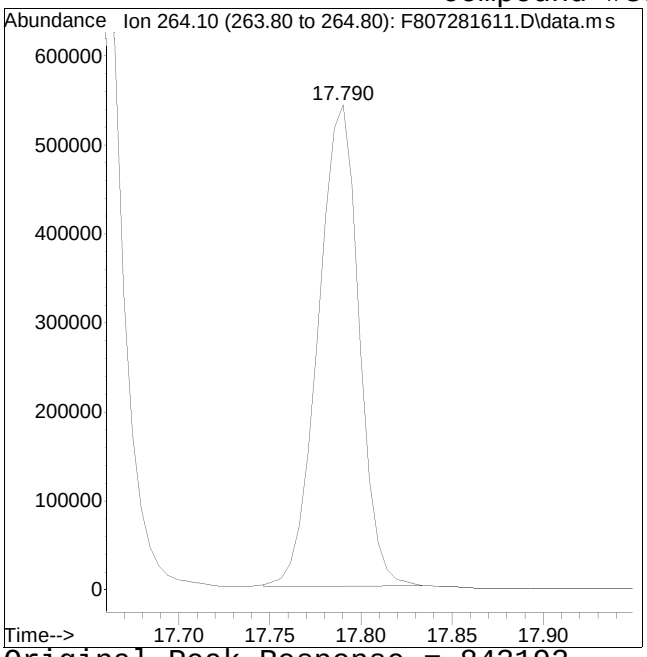
Manual Peak Response = 968412 M4

M4 = Poor automated baseline construction.

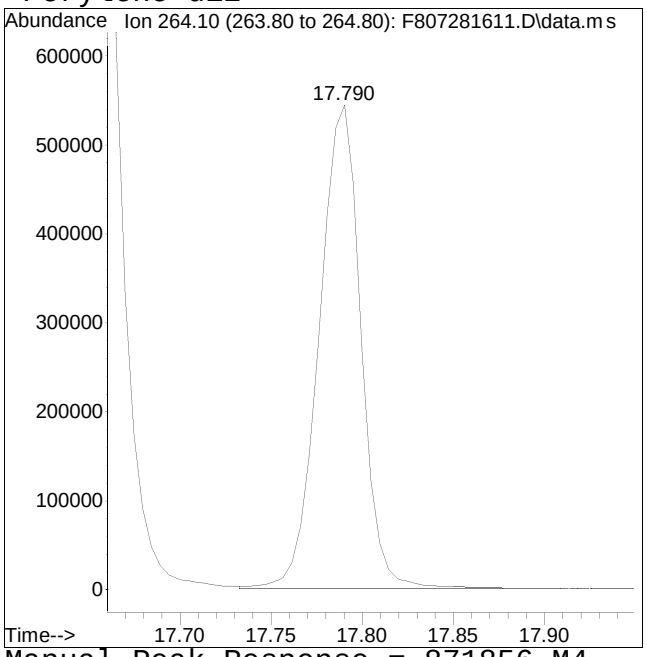
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281611.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 4:20 pm Instrument : BNA8
Sample : I807281607 Quant Date : 8/10/2016 9:12 am

Compound #85: Perylene-d12



Original Peak Response = 843192



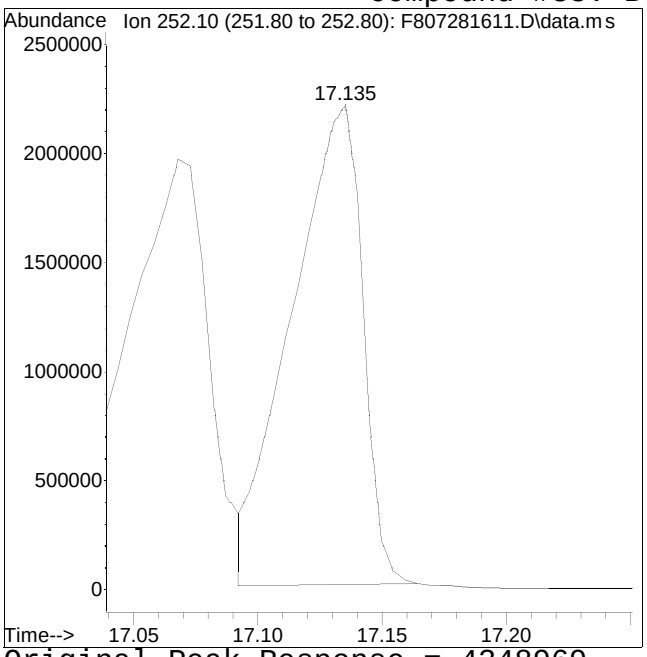
Manual Peak Response = 871856 M4

M4 = Poor automated baseline construction.

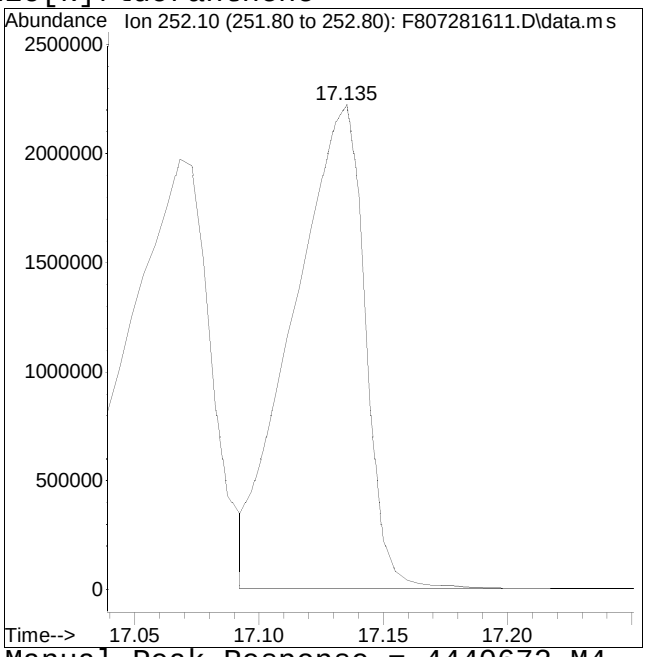
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281611.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 4:20 pm Instrument : BNA8
Sample : I807281607 Quant Date : 8/10/2016 9:12 am

Compound #88: Benzo[k]fluoranthene



Original Peak Response = 4348969



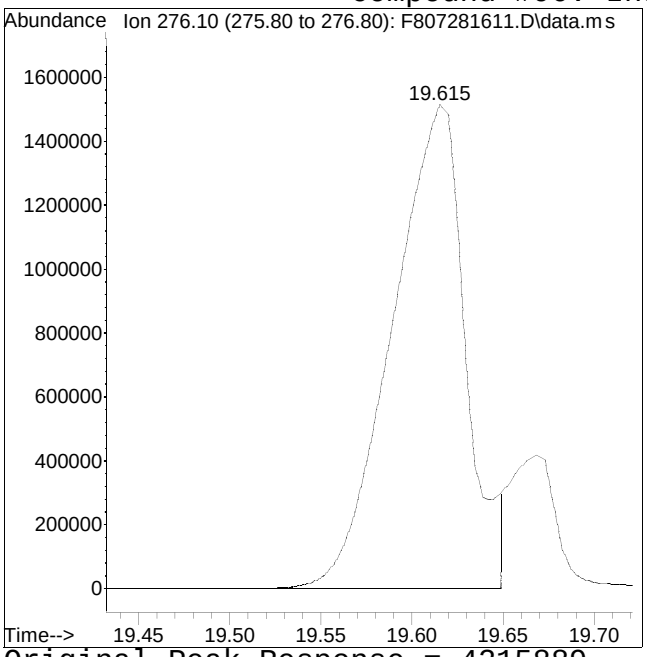
Manual Peak Response = 4440672 M4

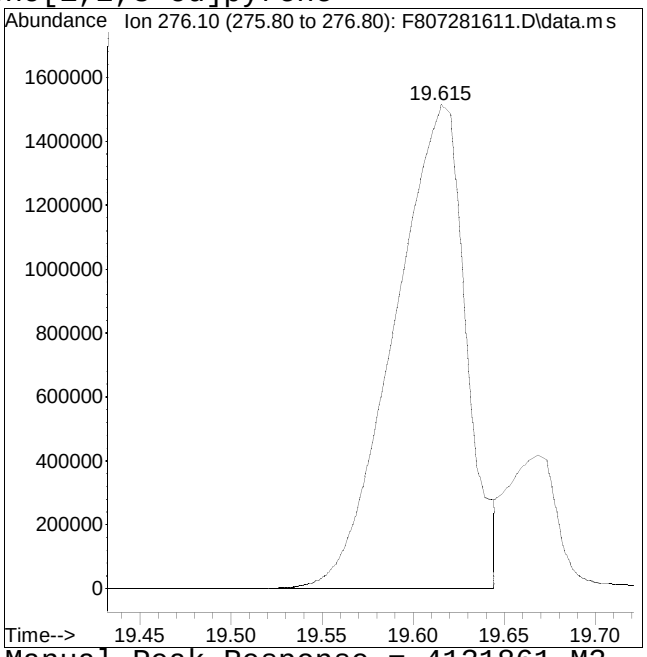
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281611.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 4:20 pm Instrument : BNA8
Sample : I807281607 Quant Date : 8/10/2016 9:12 am

Compound #90: Indeno[1,2,3-cd]pyrene



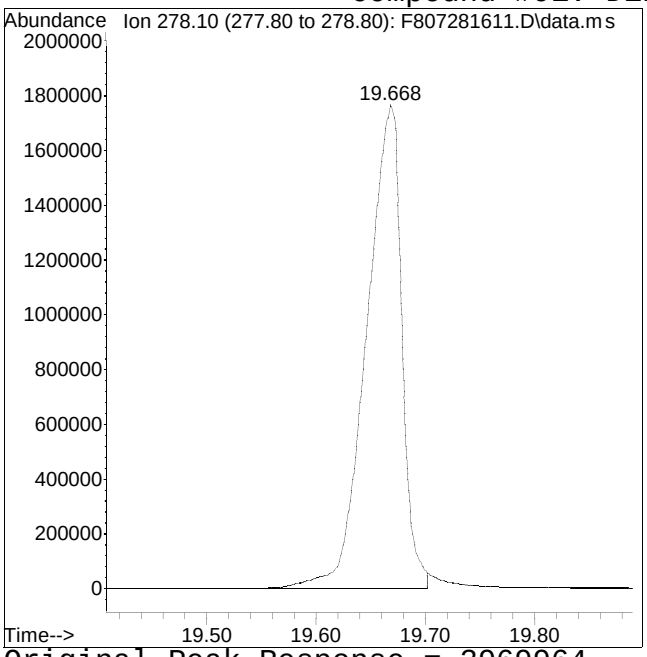


Original Peak Response = 4215889 Manual Peak Response = 4131861 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

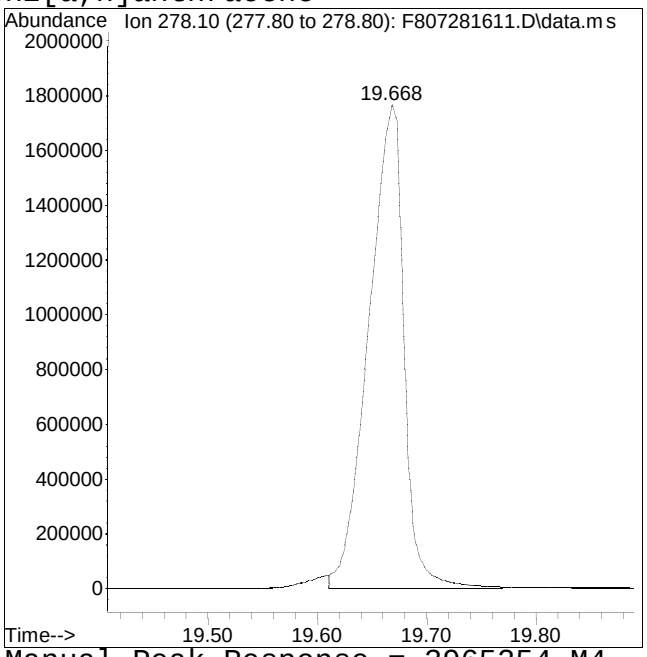
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281611.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 4:20 pm Instrument : BNA8
Sample : I807281607 Quant Date : 8/10/2016 9:12 am

Compound #91: Dibenz[a,h]anthracene



Original Peak Response = 3969964



Manual Peak Response = 3965254 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281612.D
Acq On : 28 Jul 2016 4:54 pm
Operator : BNA8:SF
Sample : I807281608
Misc : WG919318,MSAK04,X2
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 03 12:31:46 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.770	152	230466	5.000	ug/mL	0.00
21) Naphthalene-d8	5.930	136	892980	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.625	164	436679	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.436	188	863560	5.000	ug/mL	0.01
76) Chrysene-d12	14.713	240	738758	5.000	ug/mL	0.04
85) Perylene-d12	17.800	264	748499M4	5.000	ug/mL	0.03
System Monitoring Compounds						
4) 2-Fluorophenol	3.705	112	2684868M4	44.692	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 223.46%#			
8) Phenol-d5	4.447	99	3105568	42.413	ug/mL	0.02
Spiked Amount 20.000	Range 10 - 94		Recovery = 212.07%#			
22) Nitrobenzene-d5	5.270	82	2557680	42.913	ug/mL	0.02
Spiked Amount 20.000	Range 35 - 114		Recovery = 214.57%#			
43) 2-Fluorobiphenyl	6.965	172	4673917	35.877	ug/mL	0.01
Spiked Amount 20.000	Range 43 - 116		Recovery = 179.39%#			
65) 2,4,6-Tribromophenol	8.511	330	586503	44.331	ug/mL	0.02
Spiked Amount 20.000	Range 10 - 123		Recovery = 221.66%#			
79) Terphenyl-d14	12.387	244	5039522	42.535	ug/mL	0.03
Spiked Amount 20.000	Range 33 - 141		Recovery = 212.67%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.872	74	1328265M4	41.047	ug/mL	
3) Pyridine	2.853	79	2633162	42.702	ug/mL	94
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.500	93	3864837M3	Below Cal		
7) bis(2-Chloroethyl)ether	4.543	63	1607218M4	39.266	ug/mL	
9) Phenol	4.461	94	3034444	38.189	ug/mL#	84
10) 2-Chlorophenol	4.591	128	2826390	42.666	ug/mL	97
11) 1,3-Dichlorobenzene	4.721	146	2936691	40.765	ug/mL	100
12) 1,4-Dichlorobenzene	4.784	146	2890325M4	40.522	ug/mL	
13) 1,2-Dichlorobenzene	4.919	146	2726267	40.017	ug/mL	99
14) Benzyl alcohol	4.895	108	1772951	44.114	ug/mL	89
15) bis(2-chloroisopropyl)eth	5.001	45	2697871	37.144	ug/mL#	64
16) 2-Methylphenol	4.977	108	2144575M4	42.142	ug/mL	
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	5.217	117	1204626	42.255	ug/mL	95
19) N-Nitroso-di-n-propylamin	5.150	70	1665210	41.482	ug/mL	97
20) 4-Methylphenol	5.126	108	2416087	43.194	ug/mL	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281612.D
Acq On : 28 Jul 2016 4:54 pm
Operator : BNA8:SF
Sample : I807281608
Misc : WG919318,MSAK04,X2
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 03 12:31:46 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	5.290	77	2431242	40.321	ug/mL	98
24) Isophorone	5.521	82	3955203	41.853	ug/mL	99
25) 2-Nitrophenol	5.579	139	1500286	45.492	ug/mL#	93
26) 2,4-Dimethylphenol	5.607	107	2200650	50.553	ug/mL	99
27) Benzoic acid	5.771	105	2093601M4	50.586	ug/mL	
28) bis(2-Chloroethoxy)methan	5.699	93	2823996	40.085	ug/mL	99
29) 2,4-Dichlorophenol	5.795	162	2156750	41.153	ug/mL	99
30) 1,2,4-Trichlorobenzene	5.872	180	2199641	39.255	ug/mL	99
31) Naphthalene	5.954	128	6747359	38.484	ug/mL	99
32) 2-Chloroaniline	5.545	127	3482237	39.547	ug/ml	99
33) 4-Chloroaniline	6.002	127	3018603M4	40.559	ug/mL	
34) Hexachlorobutadiene	6.055	225	1148426	40.261	ug/mL	100
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	6.455	107	2136356	42.508	ug/mL	96
37) 2-Methylnaphthalene	6.609	142	4536933	37.538	ug/mL	98
39) 1,2,4,5-Tetrachlorobenzen	6.773	216	1996128	37.361	ug/mL	99
40) Hexachlorocyclopentadiene	6.753	237	1224660	43.917	ug/mL	100
41) 2,4,6-Trichlorophenol	6.879	196	1600288M3	39.937	ug/mL	
42) 2,4,5-Trichlorophenol	6.912	196	1530968M3	41.376	ug/mL	
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	7.086	162	4296238	37.103	ug/mL	99
46) 2-Nitroaniline	7.187	65	1356927	45.497	ug/mL	92
47) Acenaphthylene	7.490	152	7082064	38.431	ug/mL	100
48) Dimethylphthalate	7.370	163	5362460	42.988	ug/mL	100
49) 2,6-Dinitrotoluene	7.432	165	1326801	49.070	ug/mL	98
50) Acenaphthene	7.668	153	4267600	37.410	ug/mL	97
51) 3-Nitroaniline	7.601	138	1495542	45.732	ug/mL	90
52) 2,4-Dinitrophenol	7.707	184	1172362	47.231	ug/mL#	90
53) Dibenzofuran	7.847	168	5485869	35.430	ug/mL	98
54) 2,3,4,6-Tetrachlorophenol	7.972	232	1226753	45.657	ug/mL	98
55) 2,4-Dinitrotoluene	7.842	165	1498833	41.346	ug/mL#	84
56) 4-Nitrophenol	7.774	109	788354	48.143	ug/mL	90
57) Fluorene	8.227	166	4358878	36.250	ug/mL	99
58) 4-Chlorophenyl-phenylethe	8.217	204	2006055	35.723	ug/mL	100
59) Diethylphthalate	8.102	149	5100540	40.051	ug/mL	99
60) 4-Nitroaniline	8.280	138	1472883	43.318	ug/mL	99
62) 4,6-Dinitro-2-methylpheno	8.304	198	1223944	51.577	ug/mL	96
63) Azobenzene	8.415	182	1462979	39.803	ug/mL	89
64) n-Nitrosodiphenylamine	8.371	169	3636400	38.311	ug/mL	99
66) 4-Bromophenyl-phenylether	8.819	248	1374279	41.594	ug/mL	98
67) Hexachlorobenzene	8.896	284	1391236	41.402	ug/mL	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281612.D
Acq On : 28 Jul 2016 4:54 pm
Operator : BNA8:SF
Sample : I807281608
Misc : WG919318,MSAK04,X2
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 03 12:31:46 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Atrazine	0.000		0	N.D. d		
69) Pentachlorophenol	9.166	266	1195114	44.890	ug/mL	97
70) Pentachloronitrobenzene	9.185	237	642076	48.110	ug/ml	91
71) Phenanthrene	9.484	178	7429746	38.891	ug/mL	99
72) Anthracene	9.561	178	7165855	38.415	ug/mL	99
73) Carbazole	9.811	167	6686106	35.644	ug/mL	99
74) Di-n-butylphthalate	10.432	149	9033980	41.551	ug/mL	99
75) Fluoranthene	11.554	202	7698639	38.258	ug/mL	95
77) Benzidine	0.000		0	N.D.		
78) Pyrene	11.993	202	8380449	42.399	ug/mL	95
80) Butylbenzylphthalate	13.572	149	4646394	50.285	ug/mL	95
81) 3,3'-Dichlorobenzidine	0.000		0	N.D. d		
82) Benz[a]anthracene	14.694	228	7742662	45.017	ug/mL	100
83) Chrysene	14.790	228	7225943	41.706	ug/mL	100
84) bis(2-Ethylhexyl)phthalat	15.031	149	6050918	50.234	ug/mL	100
86) Di-n-octylphthalate	16.557	149	10631464	50.171	ug/mL	100
87) Benzo[b]fluoranthene	17.087	252	7768233M3	45.091	ug/mL	
88) Benzo[k]fluoranthene	17.155	252	6865240M3	39.733	ug/mL	
89) Benzo[a]pyrene	17.732	252	6988747	42.419	ug/mL	97
90) Indeno[1,2,3-cd]pyrene	19.634	276	6826197M3	51.534	ug/mL	
91) Dibenz[a,h]anthracene	19.692	278	6292007	46.049	ug/mL	96
92) Benzo[g,h,i]perylene	20.082	276	6781571	46.338	ug/mL	97

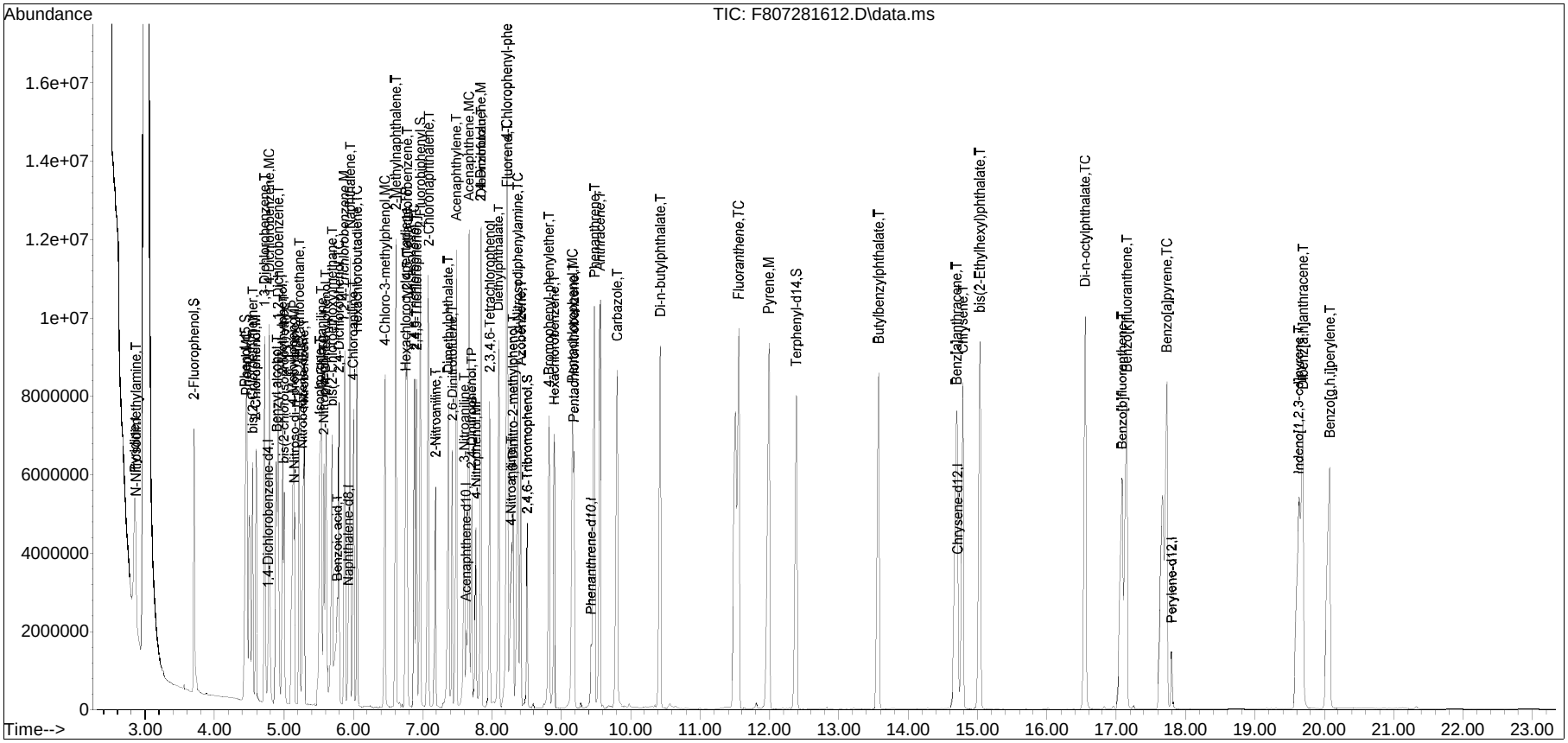
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281612.D
Acq On : 28 Jul 2016 4:54 pm
Operator : BNA8:SF
Sample : I807281608
Misc : WG919318,MSAK04,X2
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 03 12:31:46 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

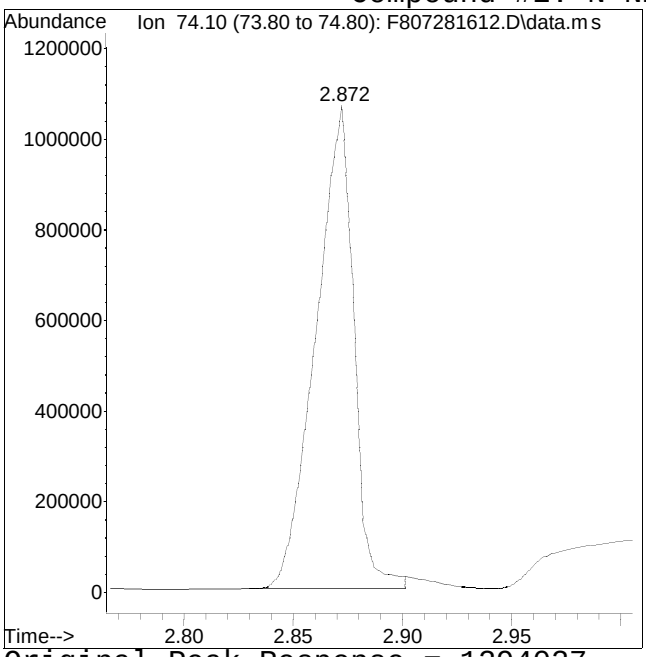
Sub List : Default - All compounds listed

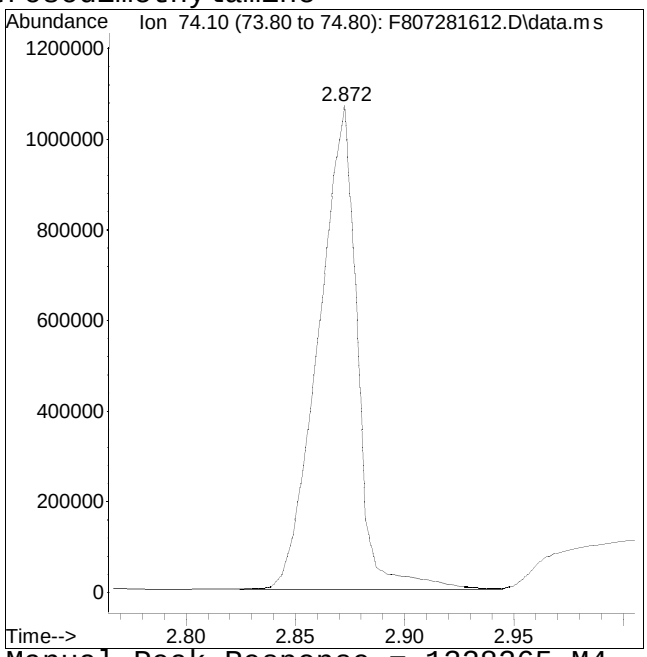


Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ Method : SV0728BNA8.M
Data File : F807281612.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 4:54 pm Instrument : BNA8
Sample : I807281608 Quant Date : 8/1/2016 11:58 am

Compound #2: N-Nitrosodimethylamine



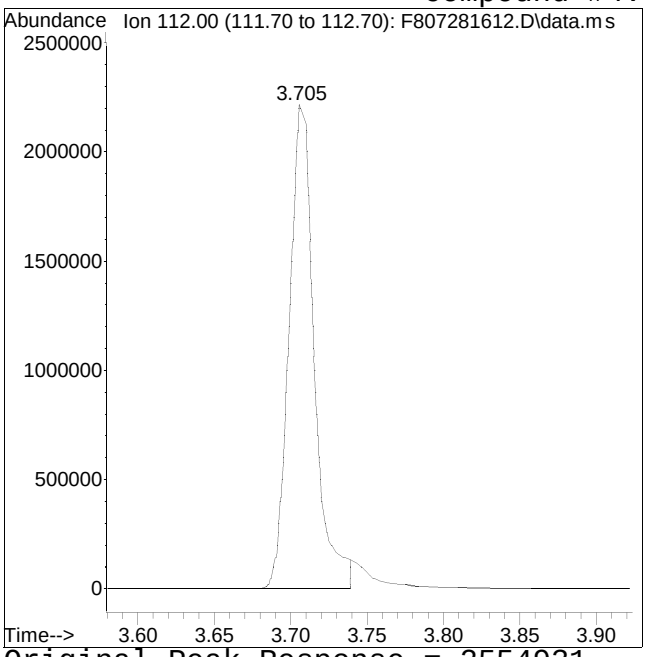


Original Peak Response = 1294027 Manual Peak Response = 1328265 M4
M4 = Poor automated baseline construction.

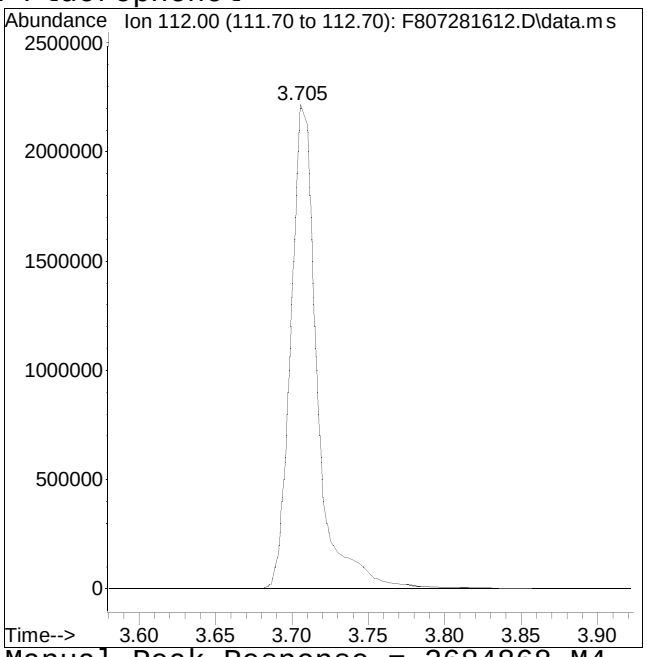
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281612.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 4:54 pm Instrument : BNA8
Sample : I807281608 Quant Date : 8/1/2016 11:58 am

Compound #4: 2-Fluorophenol



Original Peak Response = 2554931



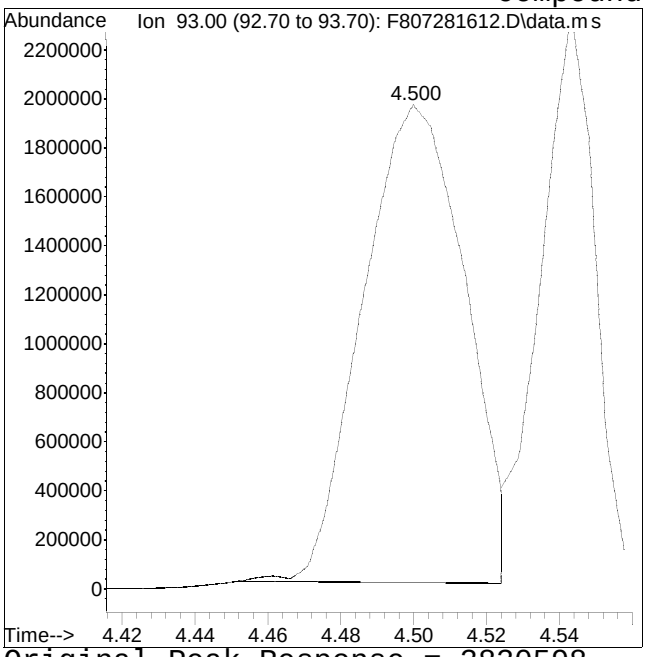
Manual Peak Response = 2684868 M4

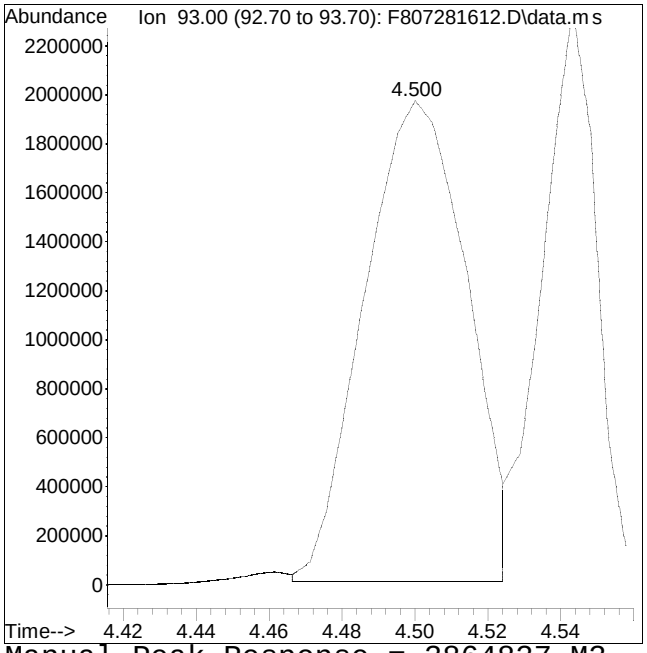
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281612.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 4:54 pm Instrument : BNA8
Sample : I807281608 Quant Date : 8/1/2016 11:58 am

Compound #6: Aniline





Original Peak Response = 3830598 Manual Peak Response = 3864837 M3

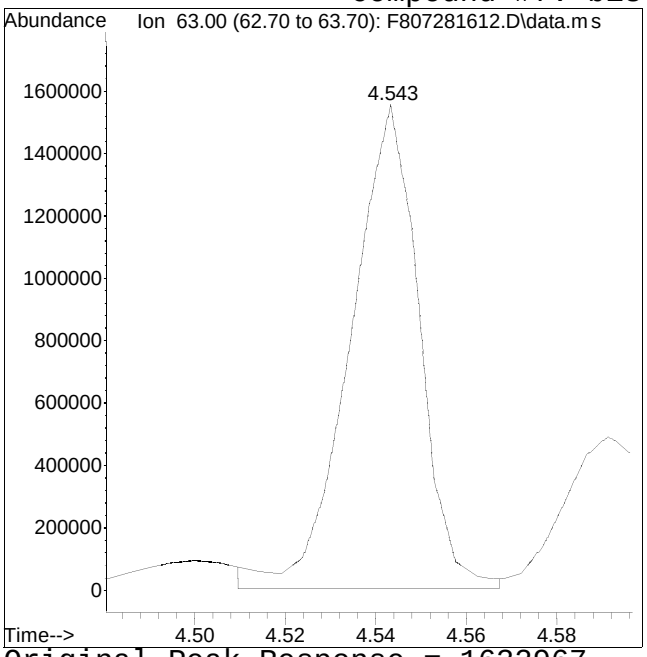
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

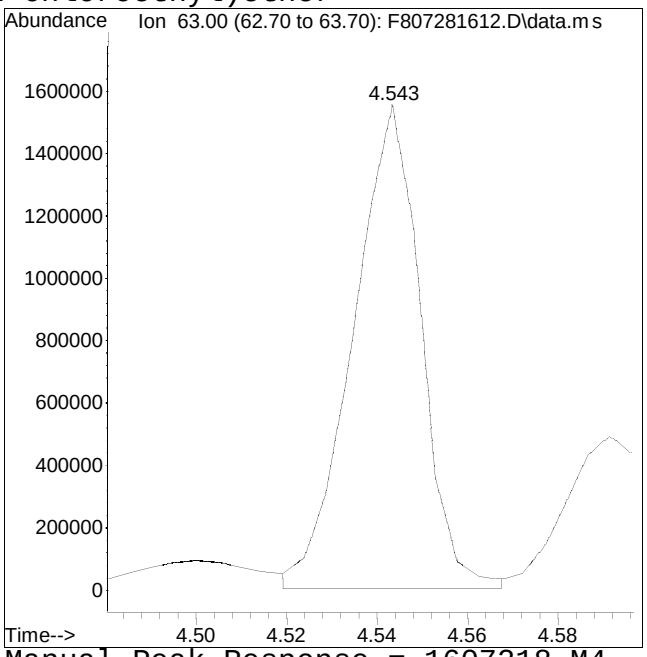
Data Path : O:\Organics\DATA\BNA8\2016\
Data File : F807281612.D
Date Inj'd : 7/28/2016 4:54 pm
Sample : I807281608

QMethod : SV0728BNA8.M
Operator : BNA8:SF
Instrument : BNA8
Quant Date : 8/1/2016 11:58 am

Compound #7: bis(2-Chloroethyl)ether



Original Peak Response = 1632967



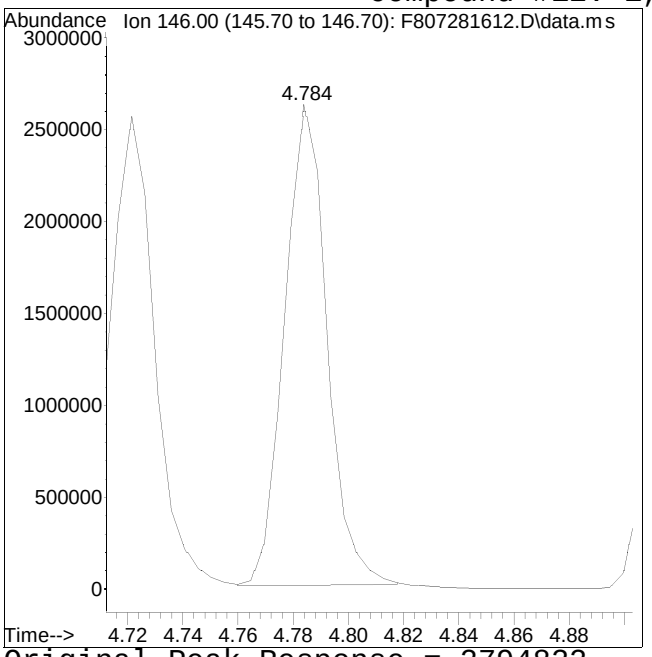
Manual Peak Response = 1607218 M4

M4 = Poor automated baseline construction.

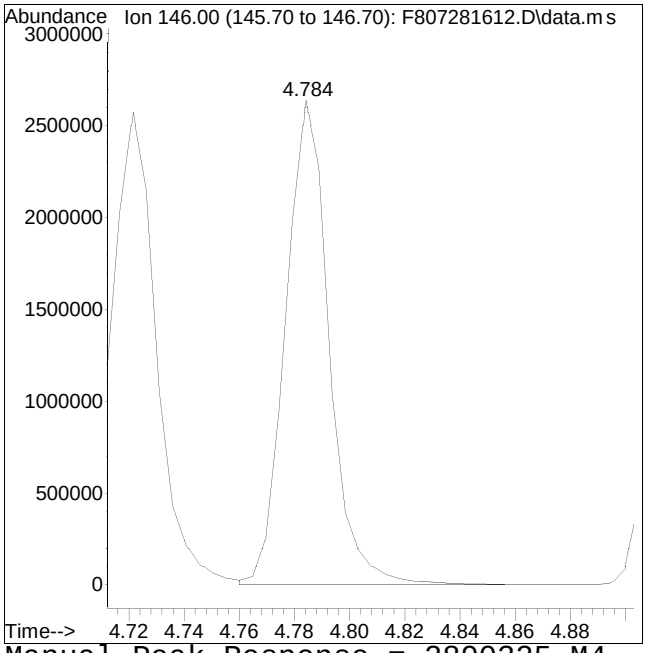
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\QMethod : SV0728BNA8.M
Data File : F807281612.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 4:54 pm Instrument : BNA8
Sample : I807281608 Quant Date : 8/1/2016 11:58 am

Compound #12: 1,4-Dichlorobenzene



Original Peak Response = 2794822



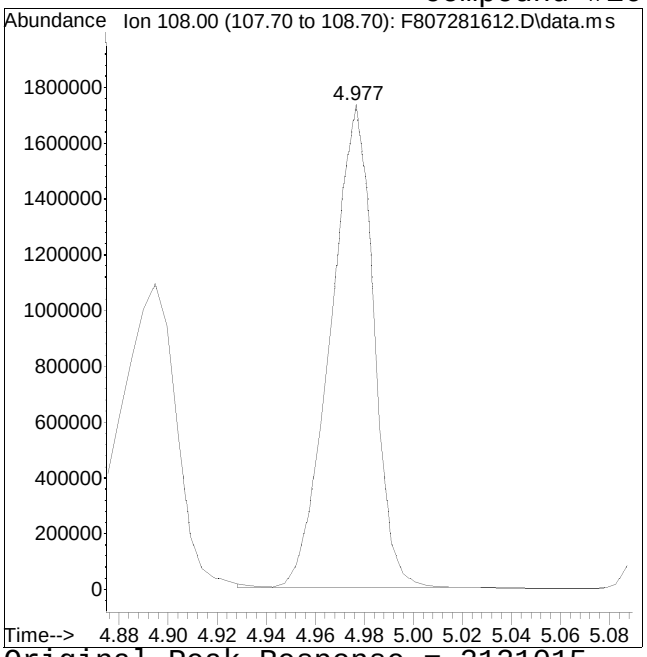
Manual Peak Response = 2890325 M4

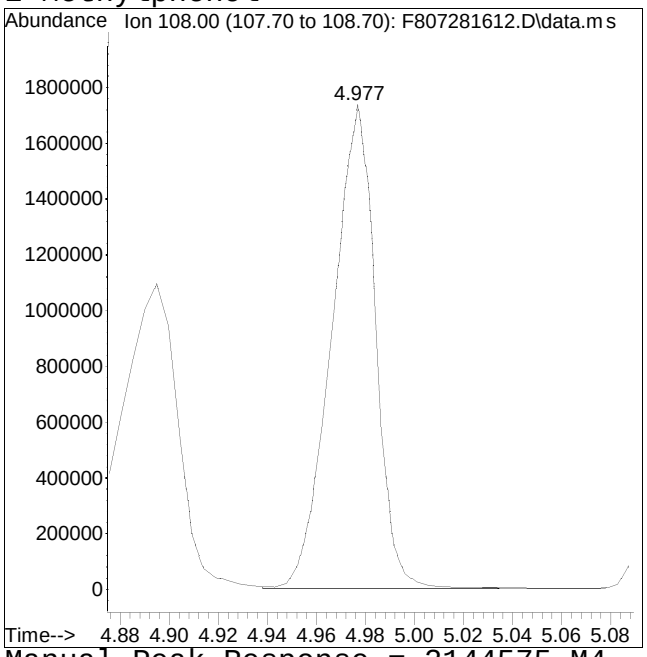
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281612.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 4:54 pm Instrument : BNA8
Sample : I807281608 Quant Date : 8/1/2016 11:58 am

Compound #16: 2-Methylphenol



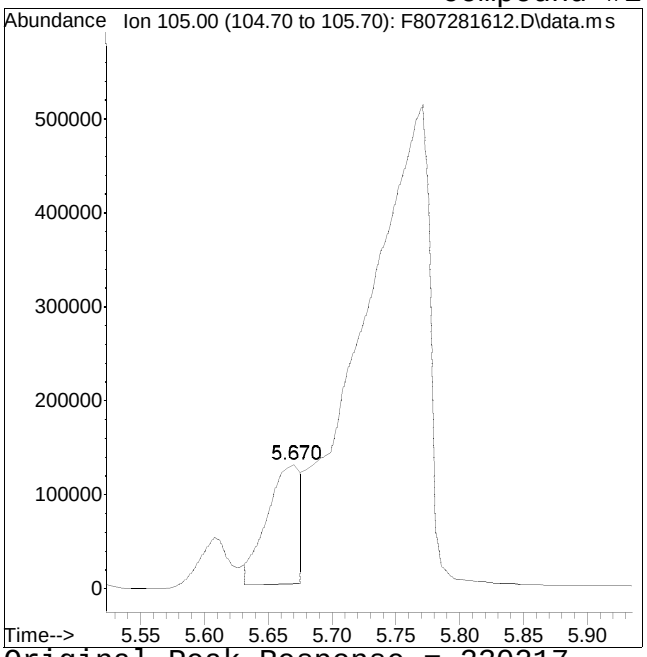


Original Peak Response = 2121015 Manual Peak Response = 2144575 M4
M4 = Poor automated baseline construction.

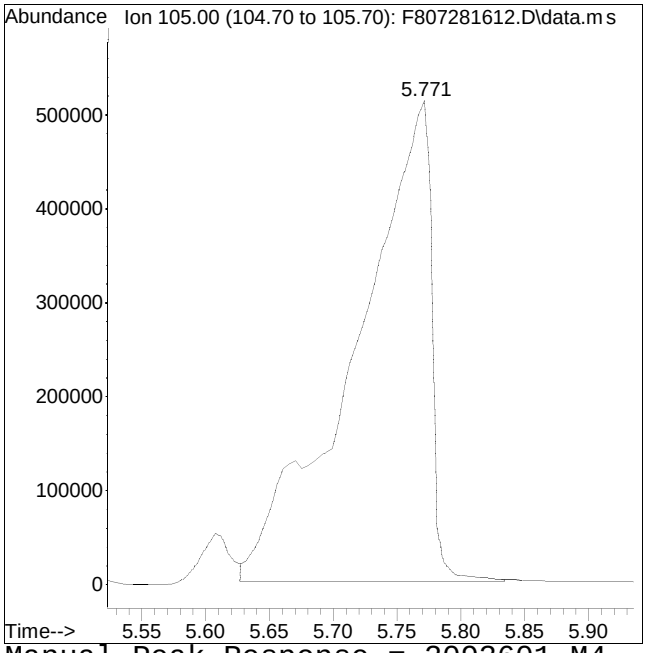
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281612.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 4:54 pm Instrument : BNA8
Sample : I807281608 Quant Date : 8/1/2016 11:58 am

Compound #27: Benzoic acid



Original Peak Response = 230217



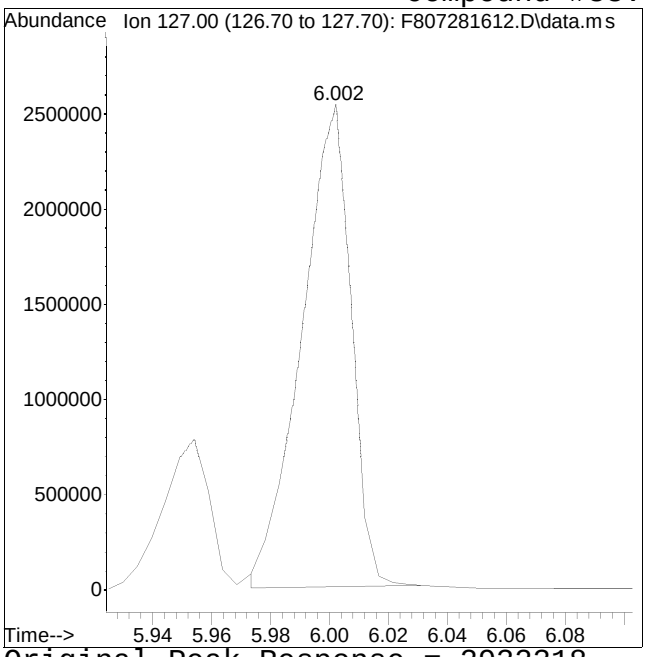
Manual Peak Response = 2093601 M4

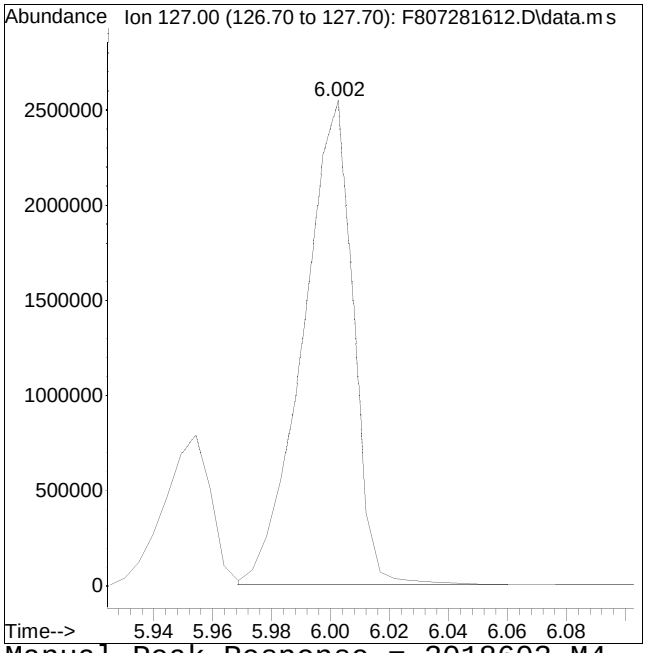
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281612.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 4:54 pm Instrument : BNA8
Sample : I807281608 Quant Date : 8/1/2016 11:58 am

Compound #33: 4-Chloroaniline



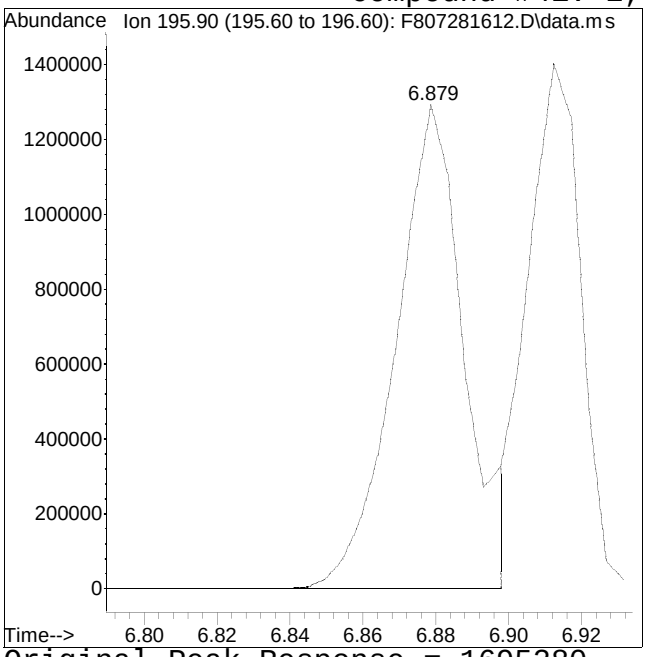


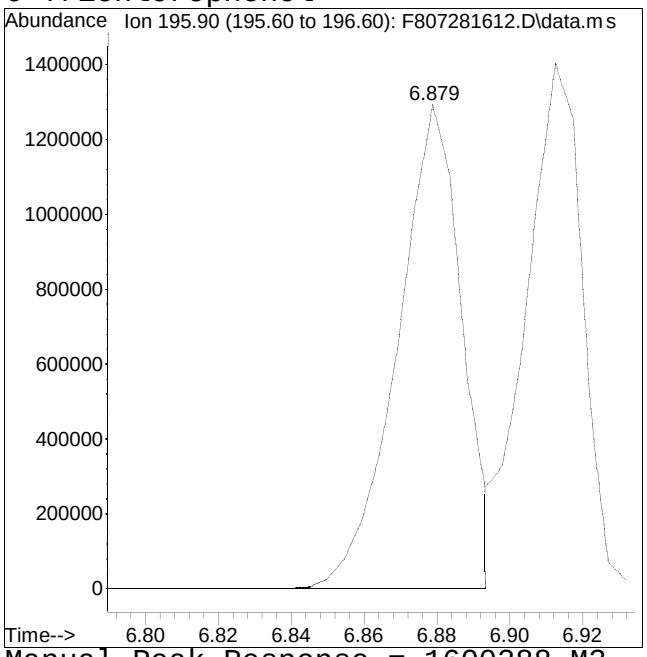
Original Peak Response = 2932318 Manual Peak Response = 3018603 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281612.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 4:54 pm Instrument : BNA8
Sample : I807281608 Quant Date : 8/1/2016 11:58 am

Compound #41: 2,4,6-Trichlorophenol



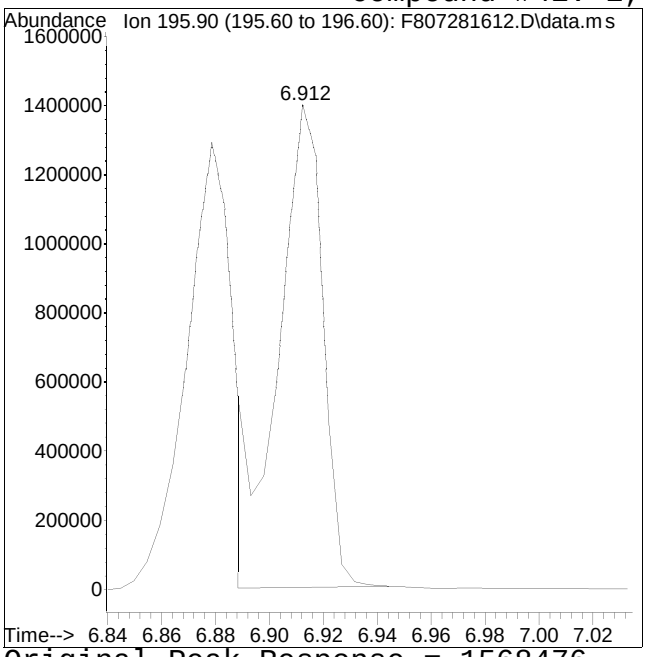


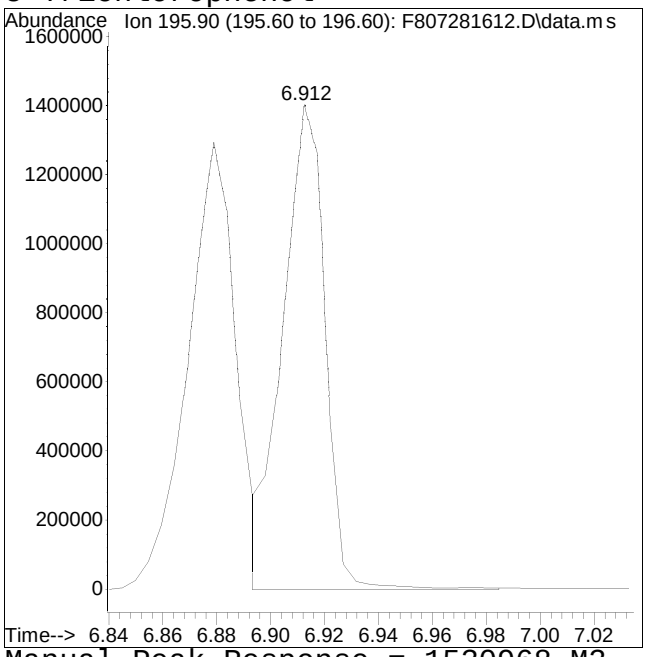
Original Peak Response = 1695280 Manual Peak Response = 1600288 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281612.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 4:54 pm Instrument : BNA8
Sample : I807281608 Quant Date : 8/1/2016 11:58 am

Compound #42: 2,4,5-Trichlorophenol



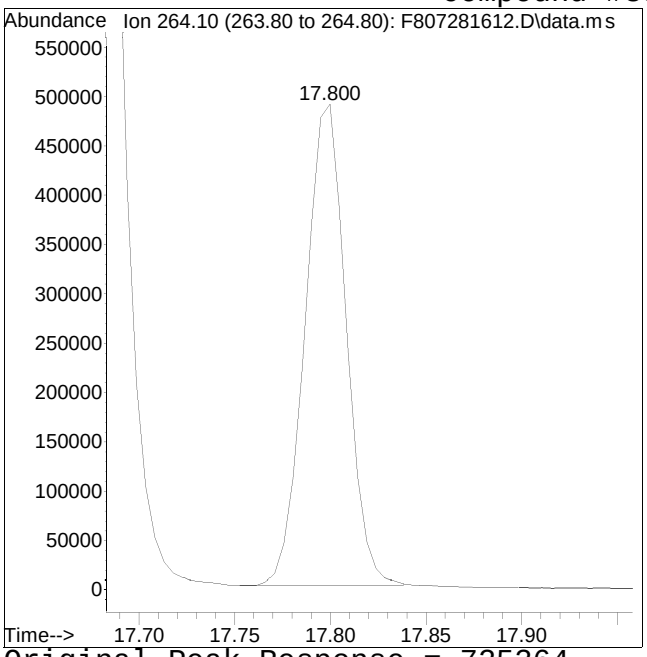


Original Peak Response = 1568476 Manual Peak Response = 1530968 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

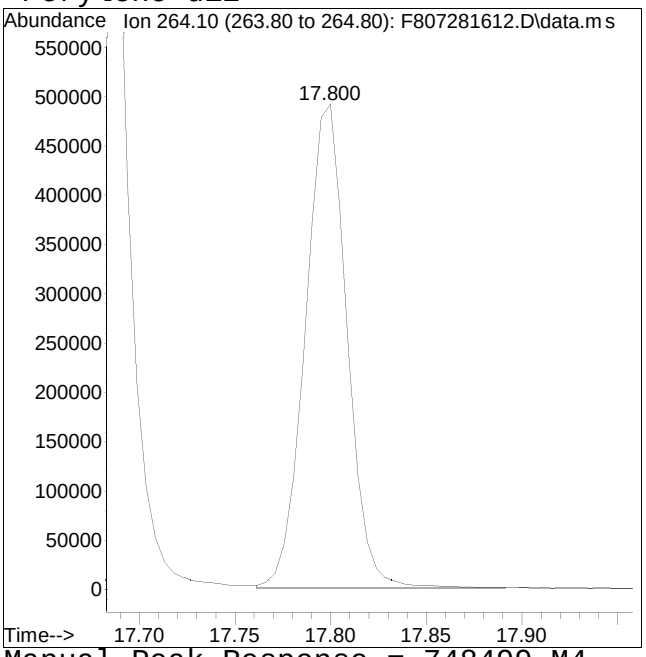
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281612.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 4:54 pm Instrument : BNA8
Sample : I807281608 Quant Date : 8/1/2016 11:58 am

Compound #85: Perylene-d12



Original Peak Response = 725364



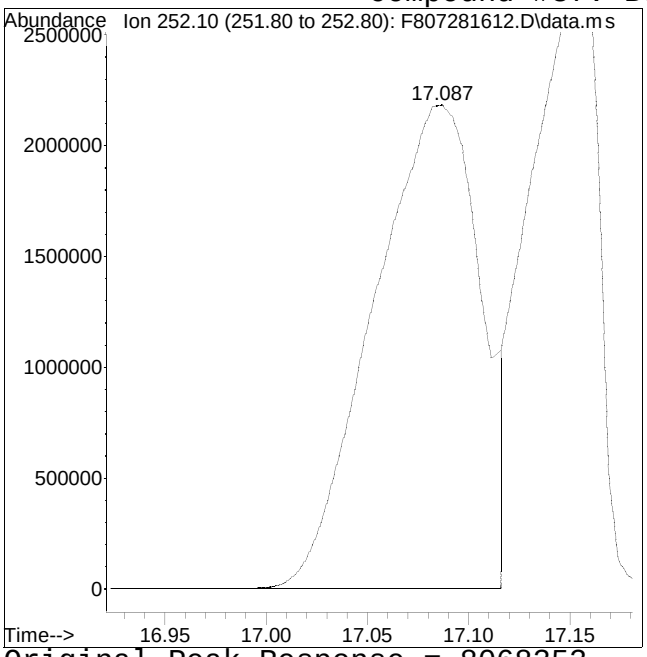
Manual Peak Response = 748499 M4

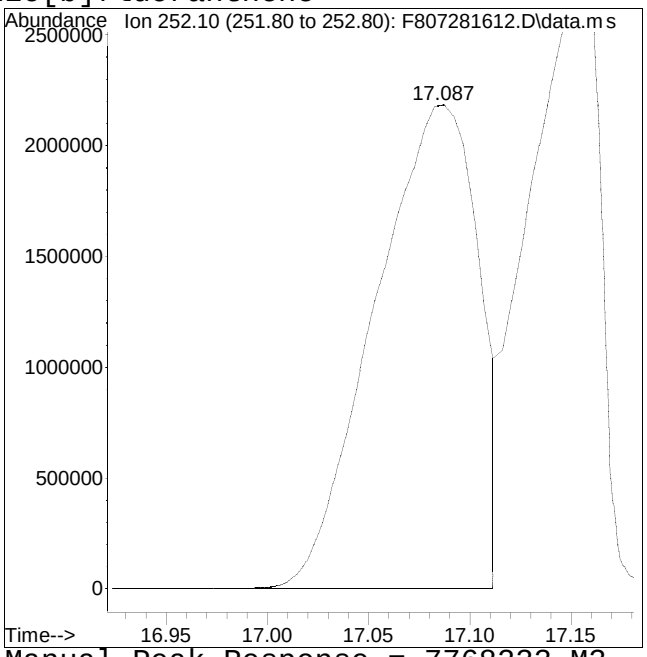
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281612.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 4:54 pm Instrument : BNA8
Sample : I807281608 Quant Date : 8/1/2016 11:58 am

Compound #87: Benzo[b]fluoranthene



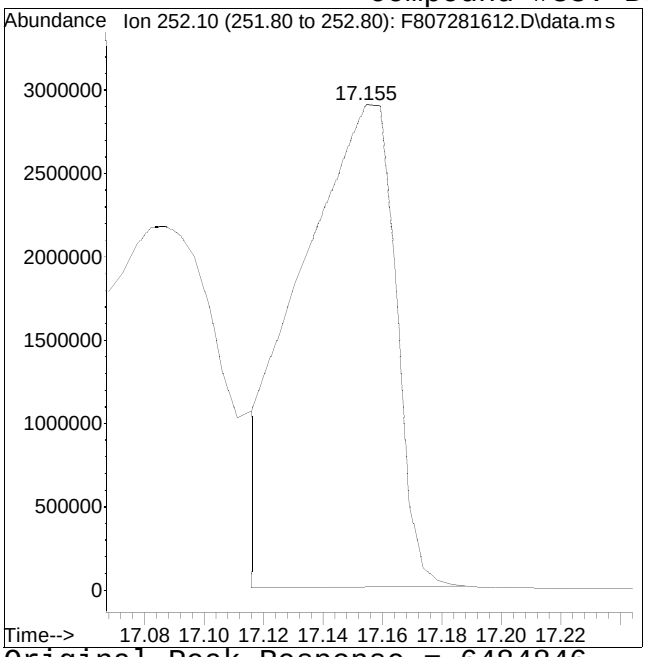


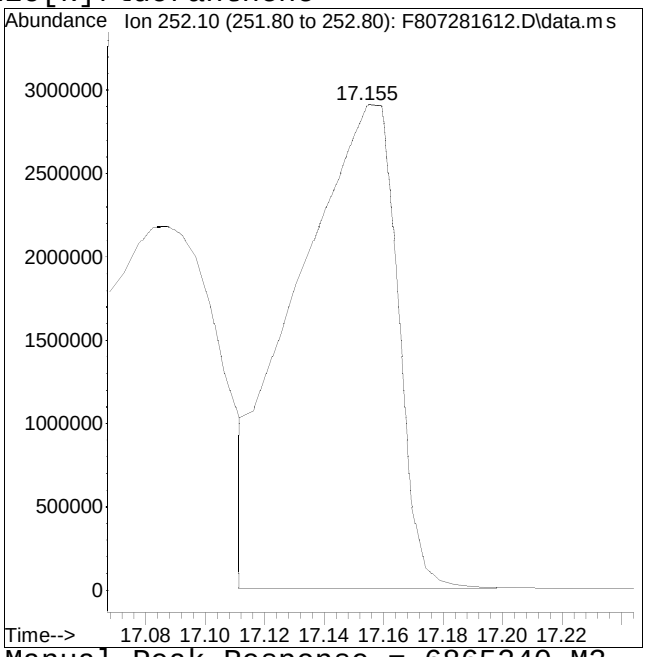
Original Peak Response = 8068353 Manual Peak Response = 7768233 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281612.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 4:54 pm Instrument : BNA8
Sample : I807281608 Quant Date : 8/1/2016 11:58 am

Compound #88: Benzo[k]fluoranthene



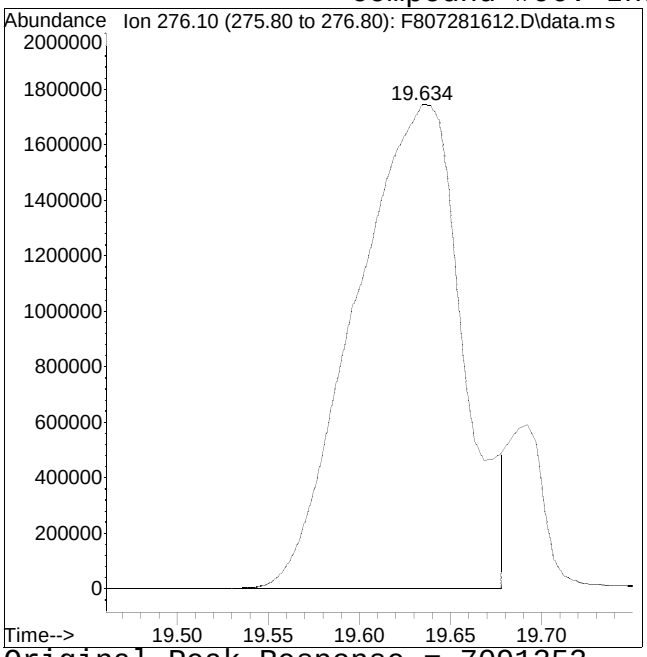


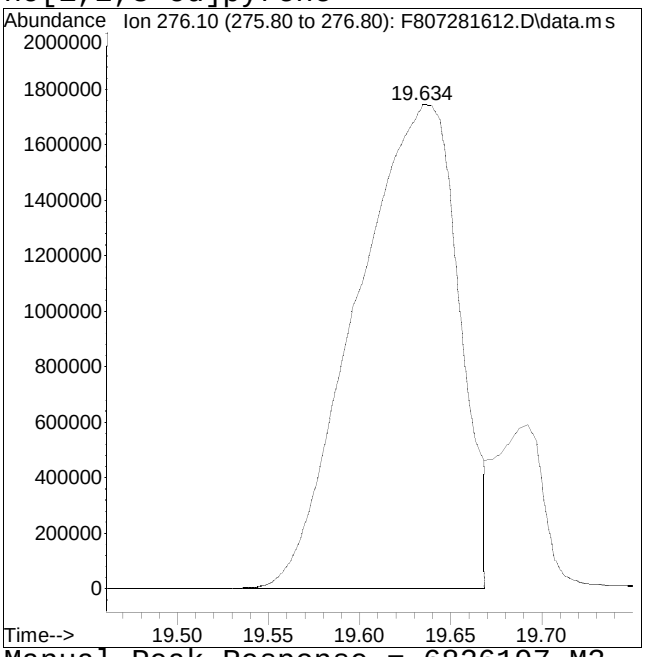
Original Peak Response = 6484846 Manual Peak Response = 6865240 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281612.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 4:54 pm Instrument : BNA8
Sample : I807281608 Quant Date : 8/1/2016 11:58 am

Compound #90: Indeno[1,2,3-cd]pyrene





Original Peak Response = 7091353 Manual Peak Response = 6826197 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281613.D
Acq On : 28 Jul 2016 5:27 pm
Operator : BNA8:SF
Sample : I807281609
Misc : WG919318,MSAI85
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 01 13:02:06 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.760	152	340428	5.000	ug/mL	0.00
21) Naphthalene-d8	5.921	136	1315250	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.616	164	631907	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.421	188	1176772	5.000	ug/mL	0.00
76) Chrysene-d12	14.675	240	1077472	5.000	ug/mL	0.00
85) Perylene-d12	17.771	264	993390	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D. d		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.394	77	35357M4	0.486	ug/ml	
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	5.112	105	57399	0.476	ug/ml#	95
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281613.D
Acq On : 28 Jul 2016 5:27 pm
Operator : BNA8:SF
Sample : I807281609
Misc : WG919318,MSAI85
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 01 13:02:06 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.	d	
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.282	113	11255	0.415	ug/ml#	80
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	7.047	154	103512	0.475	ug/ml	98
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.	d	
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.	d	
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.	d	
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	9.022	200	20587	0.419	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281613.D
Acq On : 28 Jul 2016 5:27 pm
Operator : BNA8:SF
Sample : I807281609
Misc : WG919318,MSAI85
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 01 13:02:06 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.	d	
72) Anthracene	0.000		0	N.D.	d	
73) Carbazole	0.000		0	N.D.	d	
74) Di-n-butylphthalate	0.000		0	N.D.	d	
75) Fluoranthene	0.000		0	N.D.	d	
77) Benzidine	11.834	184	61749	0.330	ug/mL	98
78) Pyrene	0.000		0	N.D.	d	
80) Butylbenzylphthalate	0.000		0	N.D.	d	
81) 3,3'-Dichlorobenzidine	14.684	252	37222	0.407	ug/mL#	94
82) Benz[a]anthracene	0.000		0	N.D.	d	
83) Chrysene	0.000		0	N.D.	d	
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.	d	
86) Di-n-octylphthalate	0.000		0	N.D.	d	
87) Benzo[b]fluoranthene	0.000		0	N.D.	d	
88) Benzo[k]fluoranthene	0.000		0	N.D.	d	
89) Benzo[a]pyrene	0.000		0	N.D.	d	
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
91) Dibenz[a,h]anthracene	0.000		0	N.D.	d	
92) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

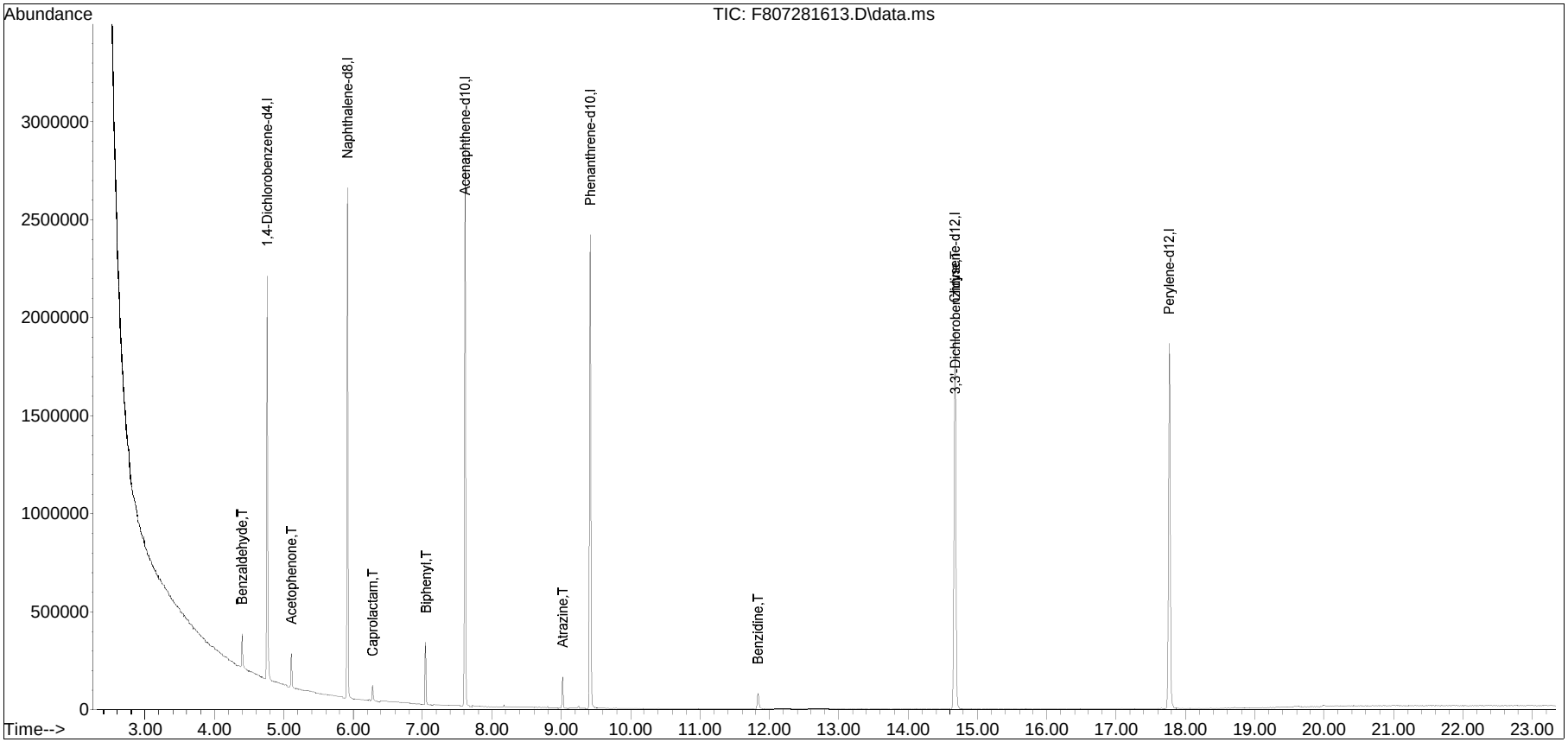
(#) = qualifier out of range (m) = manual integration (+) = signals summed

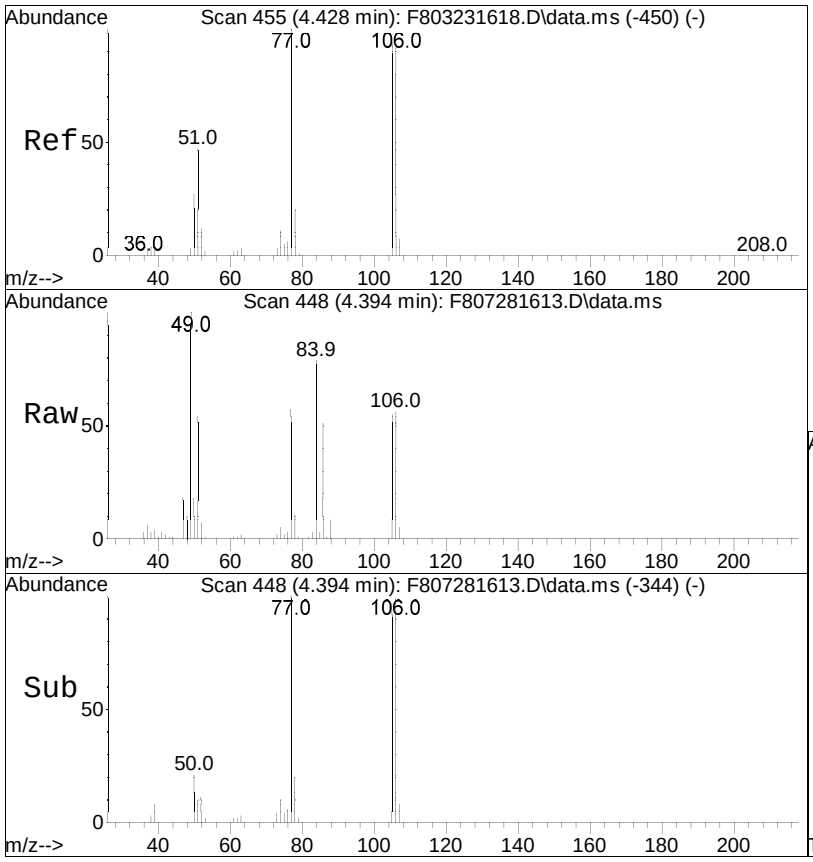
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281613.D
Acq On : 28 Jul 2016 5:27 pm
Operator : BNA8:SF
Sample : I807281609
Misc : WG919318,MSAI85
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 01 13:02:06 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

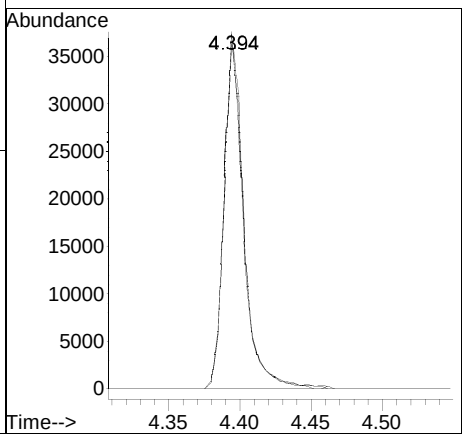


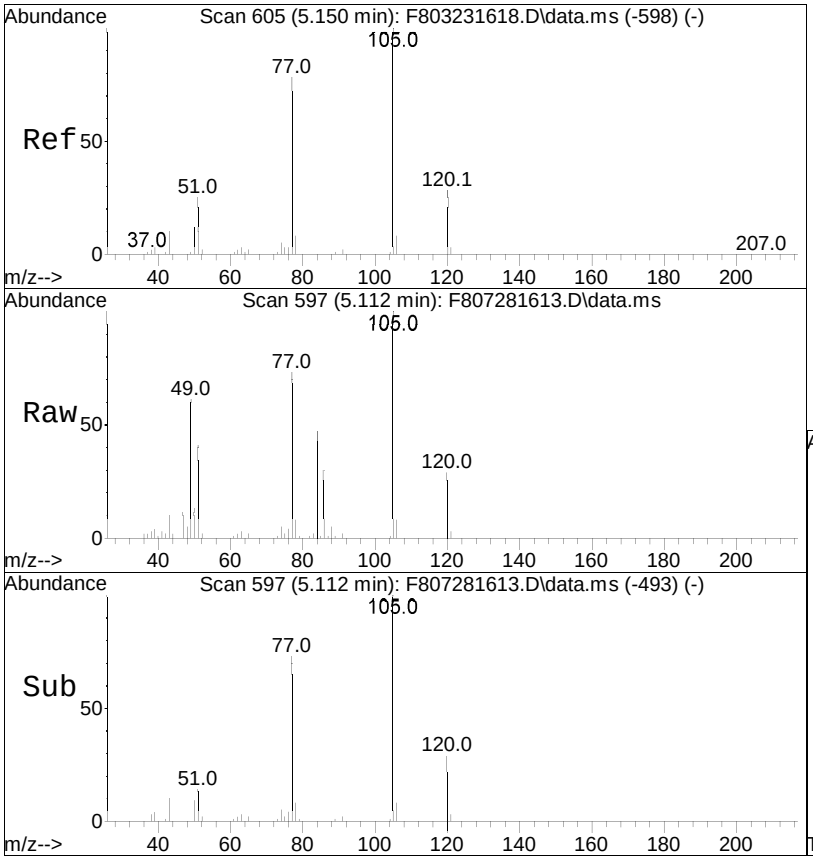


#5
Benzaldehyde
Concen: 0.49 ug/ml M4
RT: 4.394 min Scan# 448
Delta R.T. -0.000 min
Lab File: F807281613.D
Acq: 28 Jul 2016 5:27 pm

Tgt Ion: 77 Resp: 35357

Ion	Ratio	Lower	Upper
77	100		
105	97.9	88.1	132.1
106	100.2	89.8	134.8

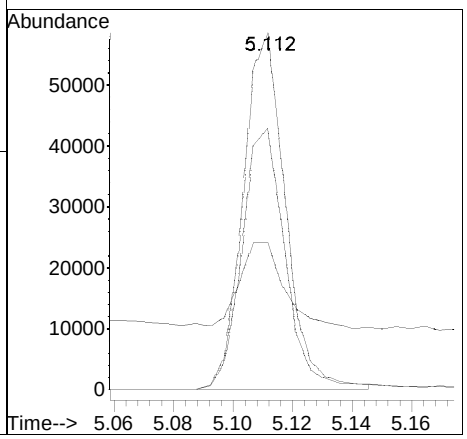


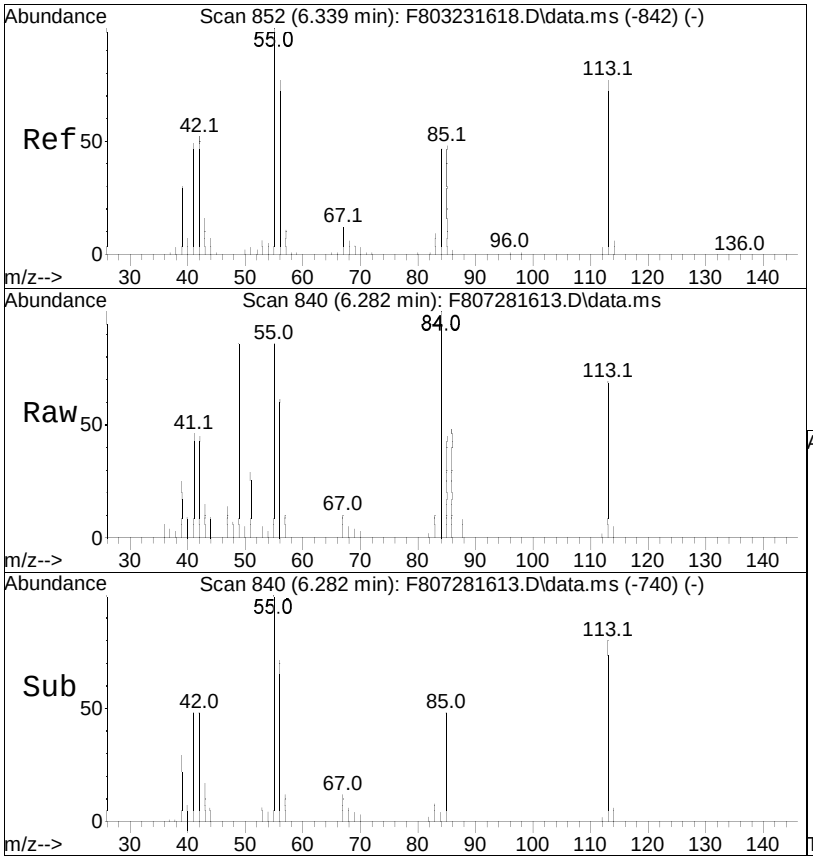


#17
Acetophenone
Concen: 0.48 ug/ml
RT: 5.112 min Scan# 597
Delta R.T. -0.000 min
Lab File: F807281613.D
Acq: 28 Jul 2016 5:27 pm

Tgt Ion:105 Resp: 57399

Ion	Ratio	Lower	Upper
105	100		
77	74.9	57.7	86.5
51	27.3	17.1	25.7#

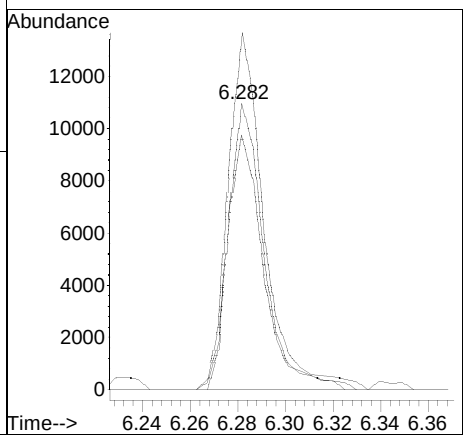


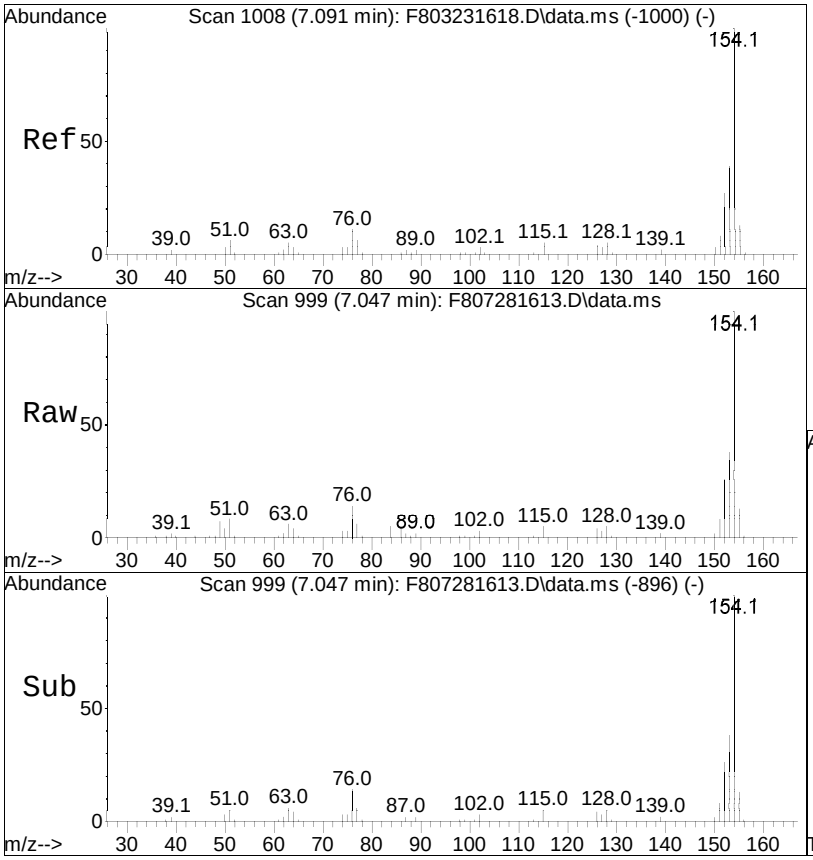


#35
Caprolactam
Concen: 0.42 ug/ml
RT: 6.282 min Scan# 840
Delta R.T. -0.019 min
Lab File: F807281613.D
Acq: 28 Jul 2016 5:27 pm

Tgt Ion:113 Resp: 11255

Ion	Ratio	Lower	Upper
113	100		
55	128.1	82.6	123.8#
56	91.8	63.0	94.6

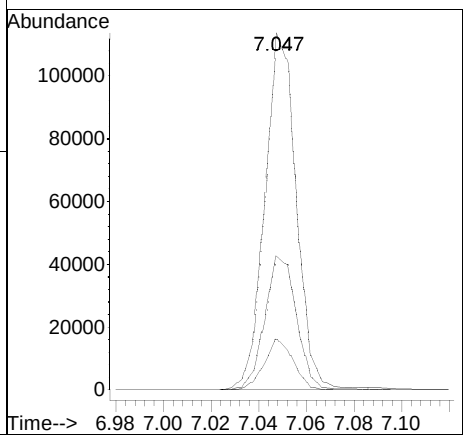


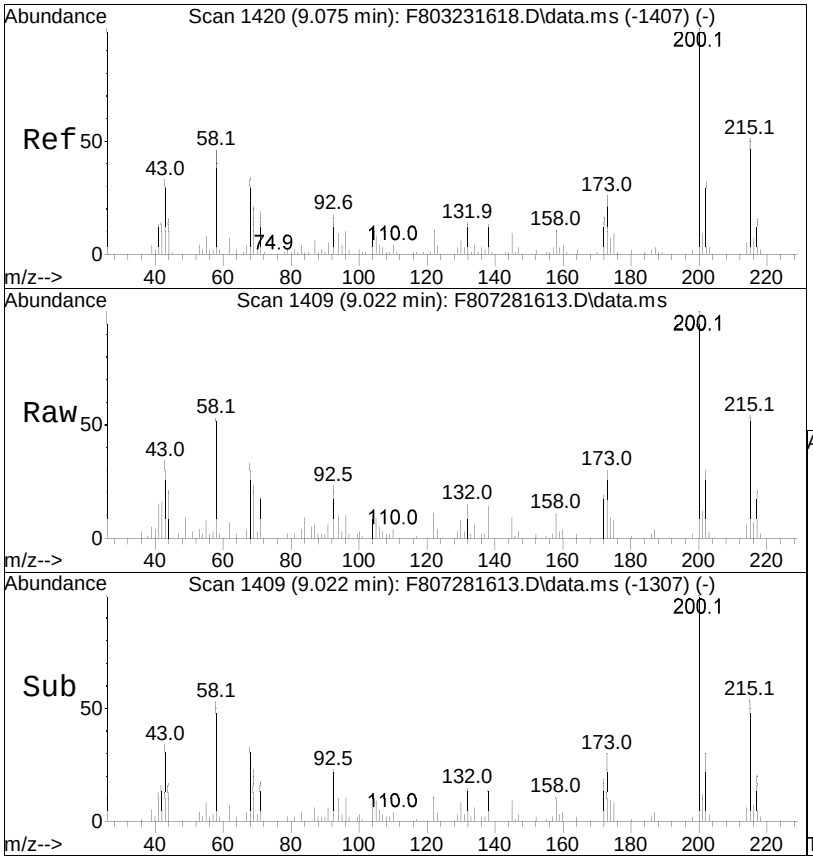


#44
Biphenyl
Concen: 0.48 ug/ml
RT: 7.047 min Scan# 999
Delta R.T. -0.005 min
Lab File: F807281613.D
Acq: 28 Jul 2016 5:27 pm

Tgt Ion:154 Resp: 103512

Ion	Ratio	Lower	Upper
154	100		
153	38.1	31.4	47.0
76	13.3	9.8	14.6

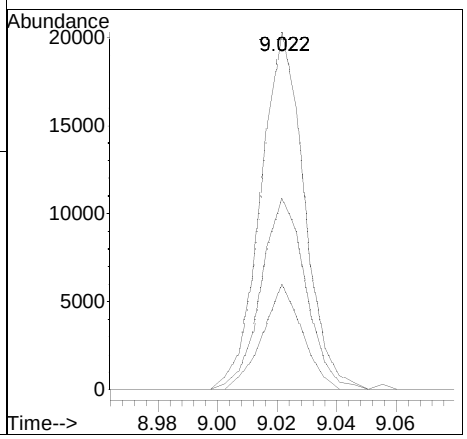


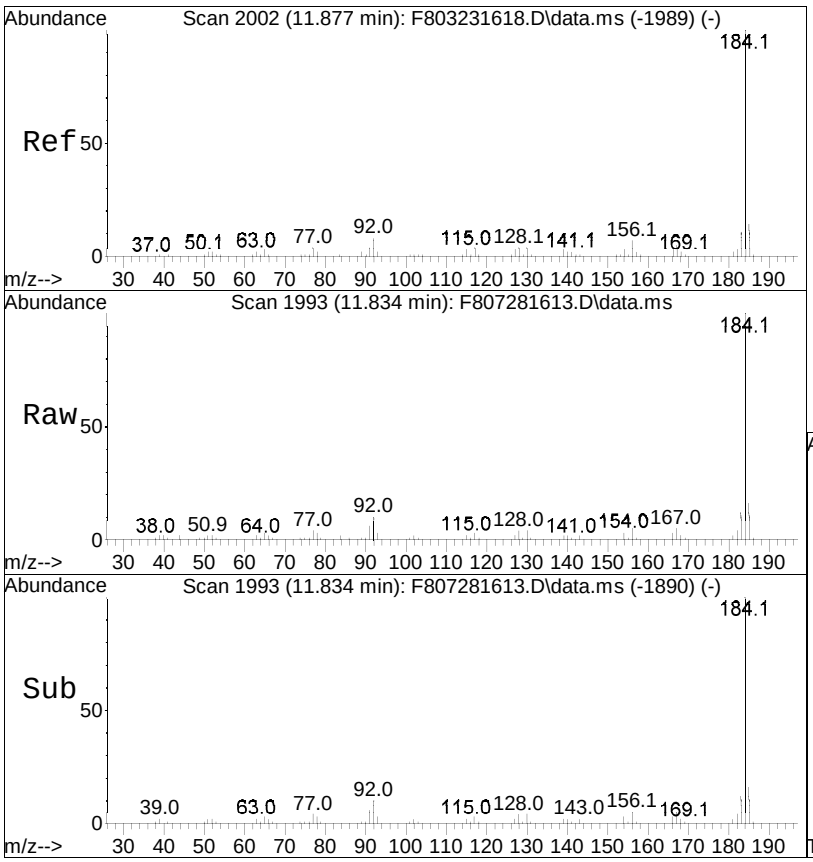


#68
Atrazine
Concen: 0.42 ug/ml
RT: 9.022 min Scan# 1409
Delta R.T. -0.010 min
Lab File: F807281613.D
Acq: 28 Jul 2016 5:27 pm

Tgt Ion:200 Resp: 20587

Ion	Ratio	Lower	Upper
200	100		
173	27.1	22.4	33.6
215	55.0	43.8	65.6

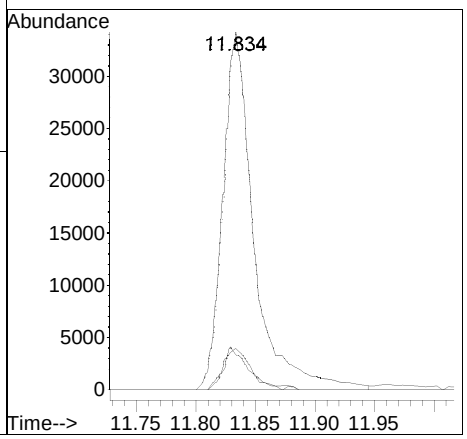


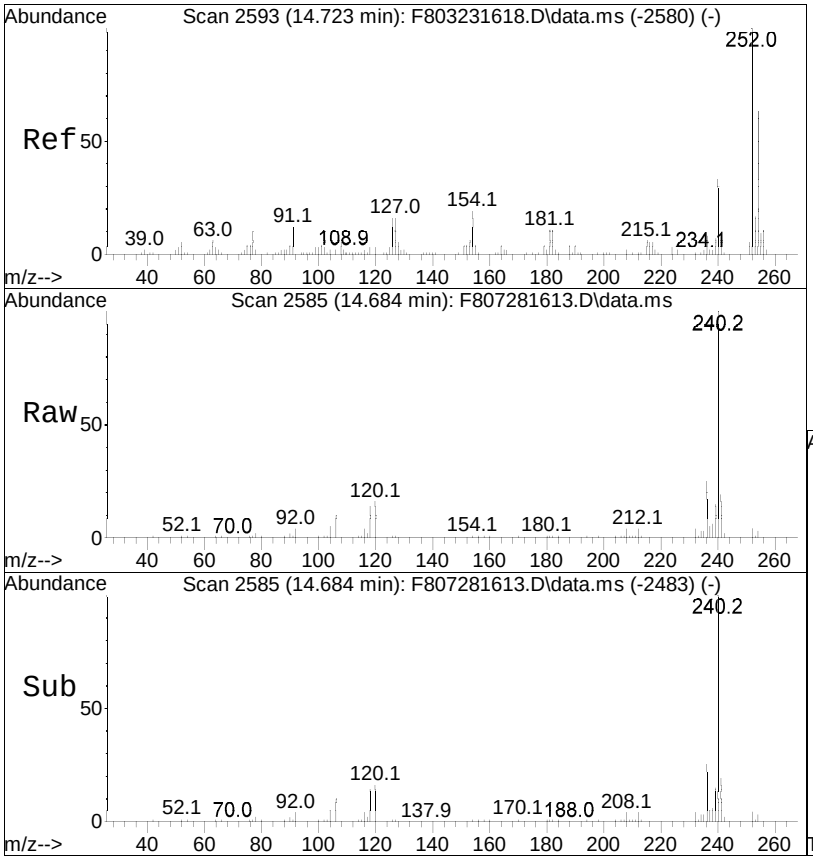


#77
Benzidine
Concen: 0.33 ug/mL
RT: 11.834 min Scan# 1993
Delta R.T. -0.005 min
Lab File: F807281613.D
Acq: 28 Jul 2016 5:27 pm

Tgt Ion:184 Resp: 61749

Ion	Ratio	Lower	Upper
184	100		
183	10.4	9.0	13.4
92	10.2	7.4	11.2

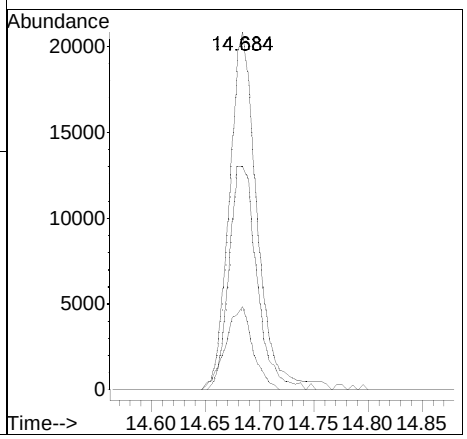




#81
3,3'-Dichlorobenzidine
Concen: 0.41 ug/mL
RT: 14.684 min Scan# 2585
Delta R.T. -0.010 min
Lab File: F807281613.D
Acq: 28 Jul 2016 5:27 pm

Tgt Ion:252 Resp: 37222

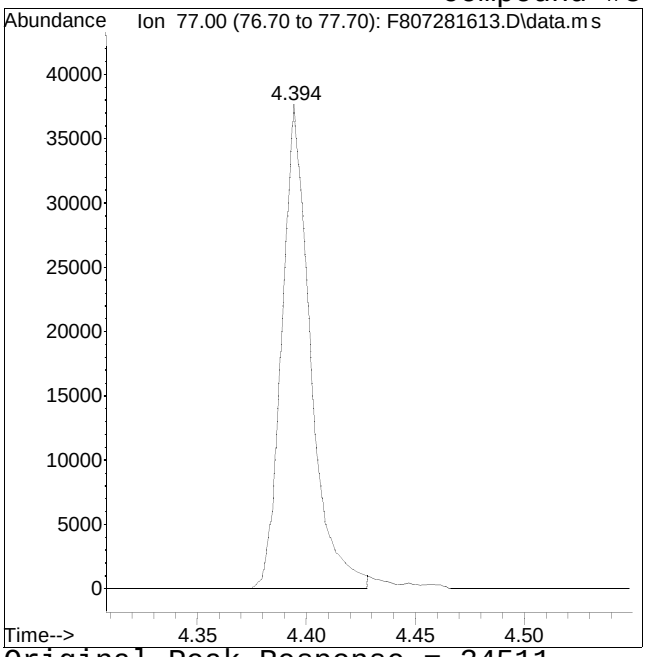
Ion	Ratio	Lower	Upper
252	100		
254	62.1	52.0	78.0
126	22.9	13.6	20.4#



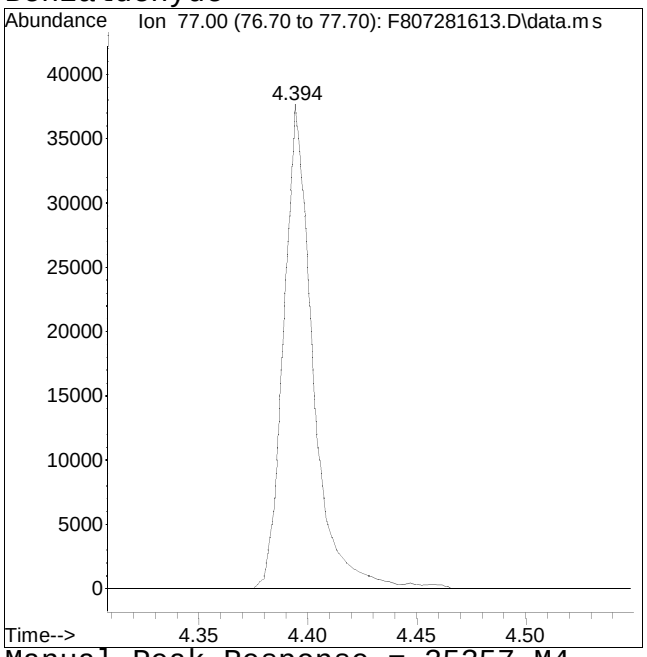
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281613.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 5:27 pm Instrument : BNA8
Sample : I807281609 Quant Date : 8/1/2016 11:58 am

Compound #5: Benzaldehyde



Original Peak Response = 34511



Manual Peak Response = 35357 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281614.D
Acq On : 28 Jul 2016 6:00 pm
Operator : BNA8:SF
Sample : I807281610
Misc : WG919318,MSAI84
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 01 13:03:51 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.760	152	353771	5.000	ug/mL	0.00
21) Naphthalene-d8	5.920	136	1362229	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.615	164	642038	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.421	188	1218160	5.000	ug/mL	0.00
76) Chrysene-d12	14.675	240	1090512	5.000	ug/mL	0.00
85) Perylene-d12	17.771	264	1002521	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.394	77	78148M4	1.033	ug/ml	
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	5.111	105	127142	1.014	ug/ml	96
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281614.D
Acq On : 28 Jul 2016 6:00 pm
Operator : BNA8:SF
Sample : I807281610
Misc : WG919318,MSAI84
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 01 13:03:51 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.282	113	27407M4	0.977	ug/ml	
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	7.047	154	224094	1.013	ug/ml	99
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D. d		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D. d		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	9.021	200	47121	0.926	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281614.D
Acq On : 28 Jul 2016 6:00 pm
Operator : BNA8:SF
Sample : I807281610
Misc : WG919318,MSAI84
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 01 13:03:51 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.	d	
72) Anthracene	0.000		0	N.D.	d	
73) Carbazole	0.000		0	N.D.	d	
74) Di-n-butylphthalate	0.000		0	N.D.	d	
75) Fluoranthene	0.000		0	N.D.	d	
77) Benzidine	11.834	184	158427	0.835	ug/mL	99
78) Pyrene	0.000		0	N.D.	d	
80) Butylbenzylphthalate	0.000		0	N.D.	d	
81) 3,3'-Dichlorobenzidine	14.684	252	84170	0.910	ug/mL	97
82) Benz[a]anthracene	0.000		0	N.D.	d	
83) Chrysene	0.000		0	N.D.	d	
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.	d	
86) Di-n-octylphthalate	0.000		0	N.D.	d	
87) Benzo[b]fluoranthene	0.000		0	N.D.	d	
88) Benzo[k]fluoranthene	0.000		0	N.D.	d	
89) Benzo[a]pyrene	0.000		0	N.D.	d	
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
91) Dibenz[a,h]anthracene	0.000		0	N.D.	d	
92) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

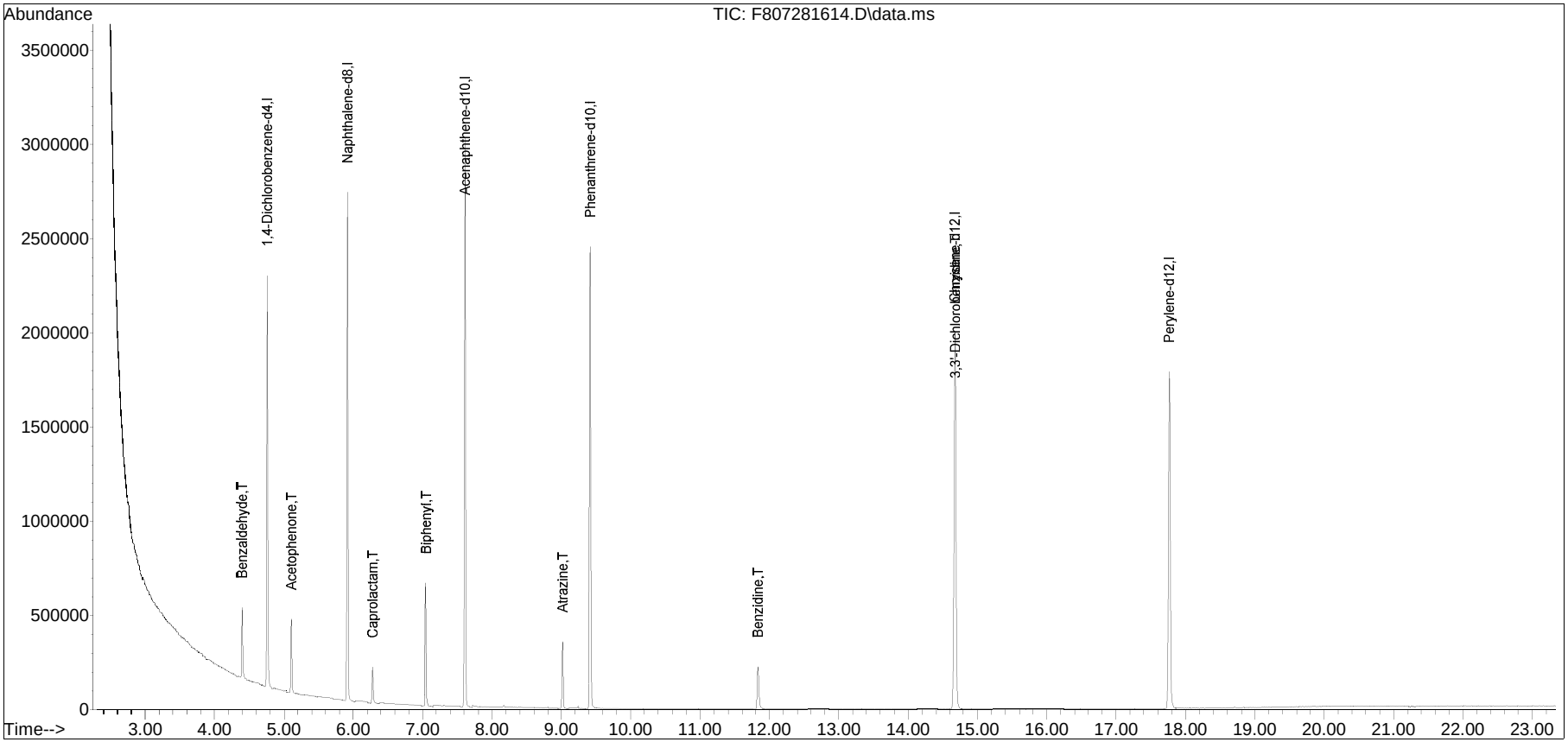
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281614.D
Acq On : 28 Jul 2016 6:00 pm
Operator : BNA8:SF
Sample : I807281610
Misc : WG919318,MSAI84
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 01 13:03:51 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

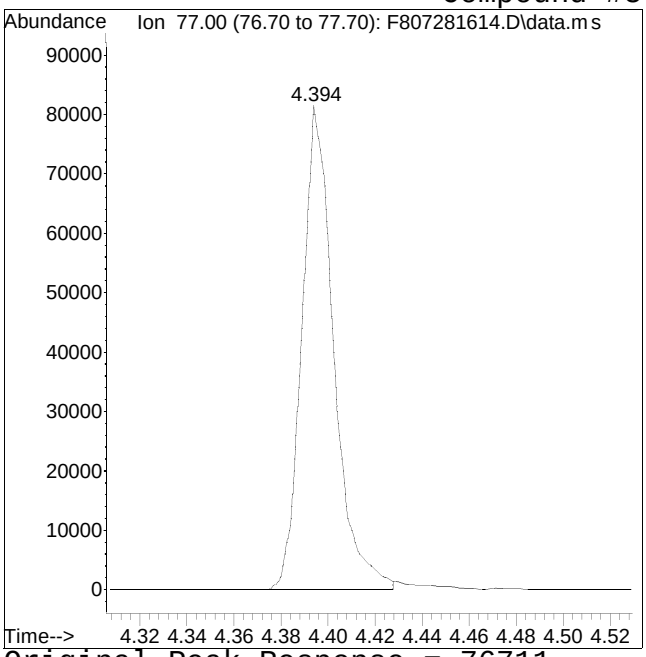


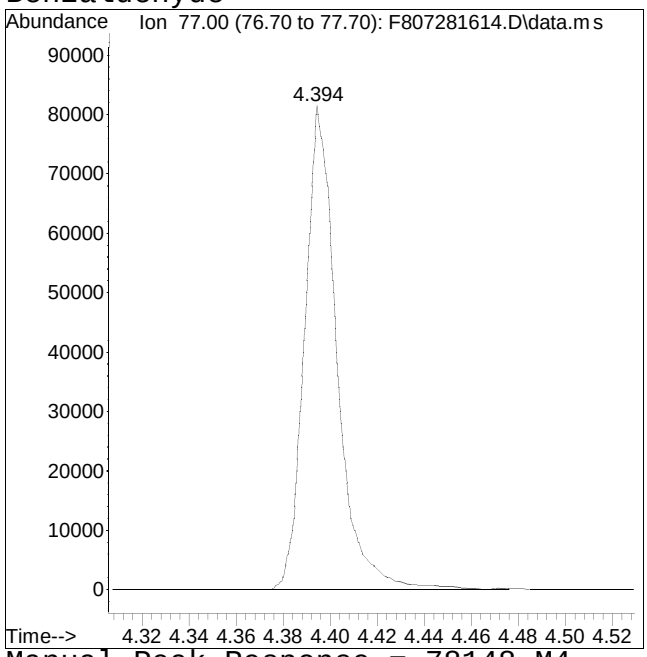
SV0728BNA8.M Wed Aug 03 12:53:04 2016 Page: 4

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281614.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 6:00 pm Instrument : BNA8
Sample : I807281610 Quant Date : 8/1/2016 11:58 am

Compound #5: Benzaldehyde



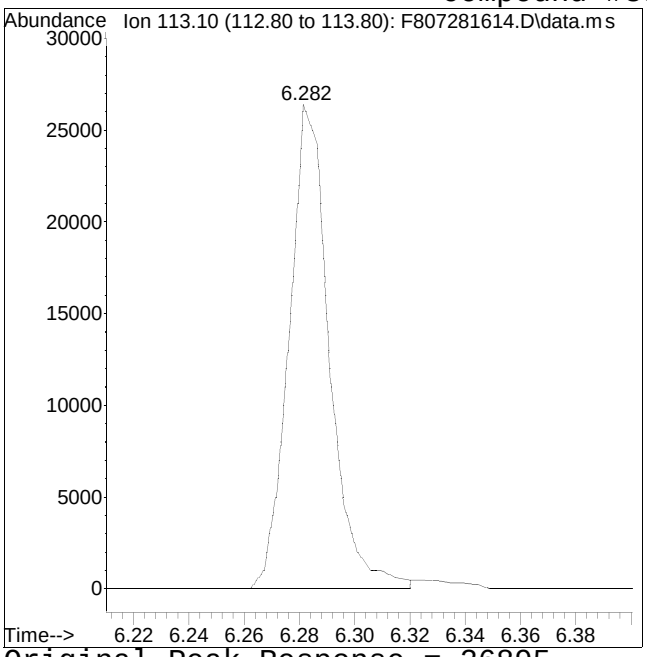


Original Peak Response = 76711 Manual Peak Response = 78148 M4
M4 = Poor automated baseline construction.

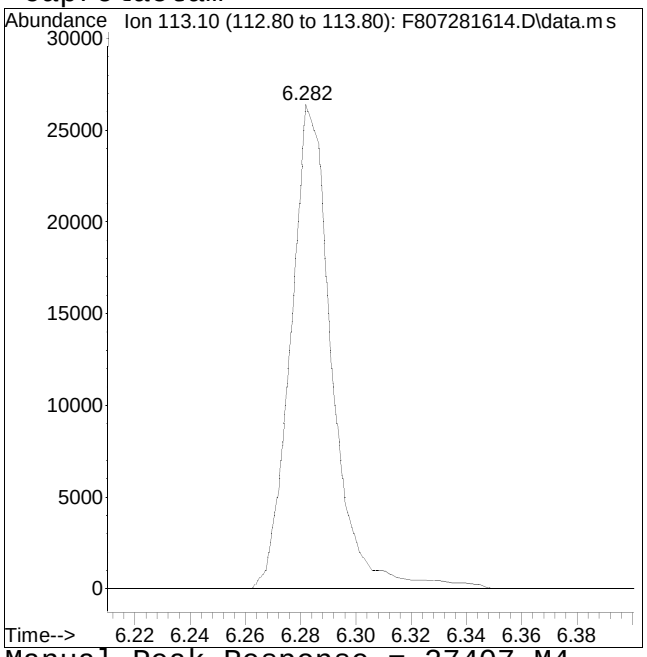
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281614.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 6:00 pm Instrument : BNA8
Sample : I807281610 Quant Date : 8/1/2016 11:58 am

Compound #35: Caprolactam



Original Peak Response = 26895



Manual Peak Response = 27407 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281615.D
Acq On : 28 Jul 2016 6:34 pm
Operator : BNA8:SF
Sample : I807281611
Misc : WG919318,MSAI83
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 01 13:05:55 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.765	152	304878	5.000	ug/mL	0.00
21) Naphthalene-d8	5.921	136	1142362	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.616	164	513123	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.421	188	1001374	5.000	ug/mL	0.00
76) Chrysene-d12	14.675	240	881756	5.000	ug/mL	0.00
85) Perylene-d12	17.771	264	818416	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D. d		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.399	77	118453	1.817	ug/ml	92
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	5.112	105	192145	1.779	ug/ml	96
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D. d		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281615.D
Acq On : 28 Jul 2016 6:34 pm
Operator : BNA8:SF
Sample : I807281611
Misc : WG919318,MSAI83
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 01 13:05:55 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D. d		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.287	113	41003M4	1.743	ug/ml	
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	7.052	154	331672	1.876	ug/ml	99
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D. d		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D. d		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	9.022	200	72839	1.741	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281615.D
Acq On : 28 Jul 2016 6:34 pm
Operator : BNA8:SF
Sample : I807281611
Misc : WG919318,MSAI83
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 01 13:05:55 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.		
72) Anthracene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.834	184	257985	1.683	ug/mL	99
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	14.684	252	129398	1.730	ug/mL	98
82) Benz[a]anthracene	0.000		0	N.D. d		
83) Chrysene	0.000		0	N.D. d		
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D. d		
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

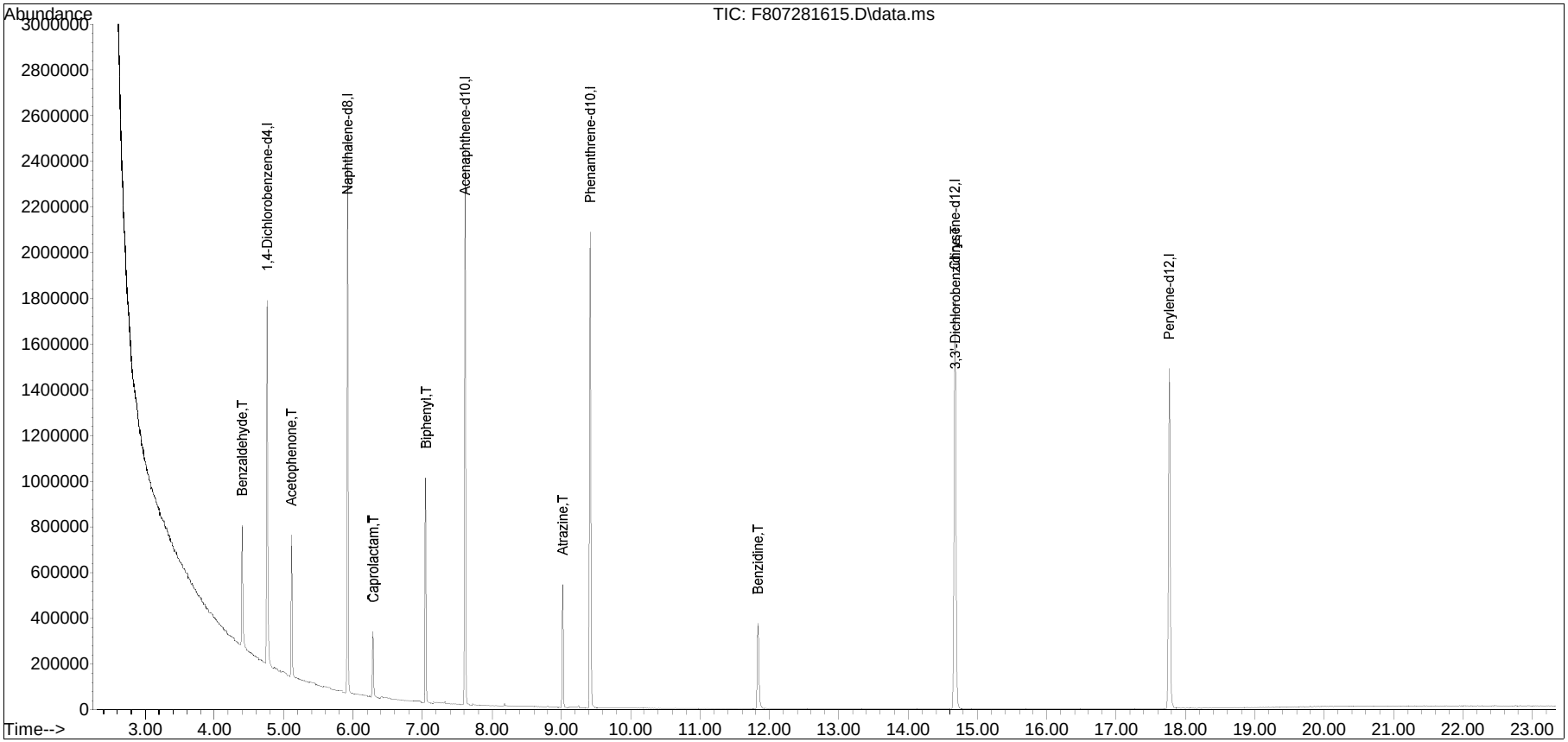
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281615.D
Acq On : 28 Jul 2016 6:34 pm
Operator : BNA8:SF
Sample : I807281611
Misc : WG919318,MSAI83
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 01 13:05:55 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

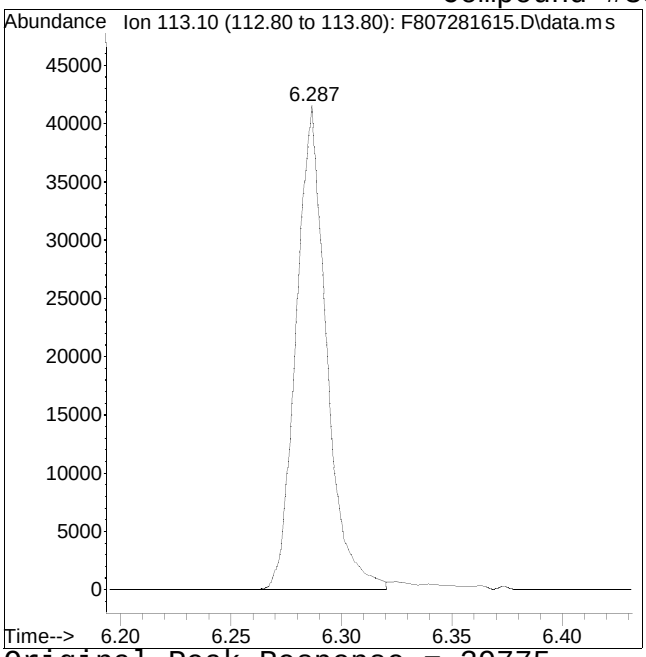
Sub List : Default - All compounds listed



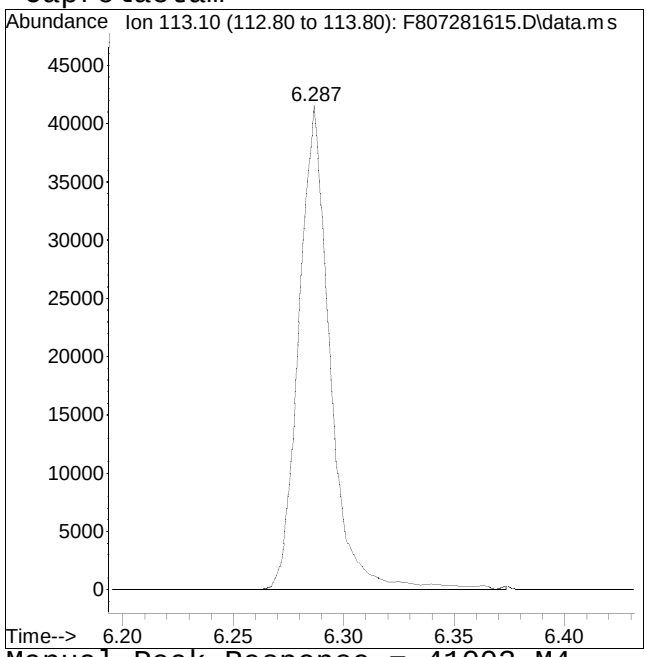
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281615.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 6:34 pm Instrument : BNA8
Sample : I807281611 Quant Date : 8/1/2016 11:58 am

Compound #35: Caprolactam



Original Peak Response = 39775



Manual Peak Response = 41003 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281616.D
Acq On : 28 Jul 2016 7:07 pm
Operator : BNA8:SF
Sample : I807281612
Misc : WG919318,MSAI82
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 01 13:06:41 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.765	152	285788	5.000	ug/mL	0.00
21) Naphthalene-d8	5.920	136	1084239	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.615	164	505403	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.421	188	980570	5.000	ug/mL	0.00
76) Chrysene-d12	14.675	240	885159	5.000	ug/mL	0.00
85) Perylene-d12	17.771	264	792085	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D. d		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.399	77	281603M4	4.609	ug/ml	
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	5.112	105	470712	4.648	ug/ml	96
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D. d		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281616.D
Acq On : 28 Jul 2016 7:07 pm
Operator : BNA8:SF
Sample : I807281612
Misc : WG919318,MSAI82
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 01 13:06:41 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D. d		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.291	113	108565	4.861	ug/ml	89
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	7.052	154	830667	4.770	ug/ml	99
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D. d		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D. d		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	9.026	200	197106	4.810	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281616.D
Acq On : 28 Jul 2016 7:07 pm
Operator : BNA8:SF
Sample : I807281612
Misc : WG919318,MSAI82
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 01 13:06:41 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.		
72) Anthracene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.834	184	731106	4.750	ug/mL	99
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	14.689	252	360346	4.799	ug/mL	99
82) Benz[a]anthracene	0.000		0	N.D. d		
83) Chrysene	0.000		0	N.D. d		
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D. d		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D. d		
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

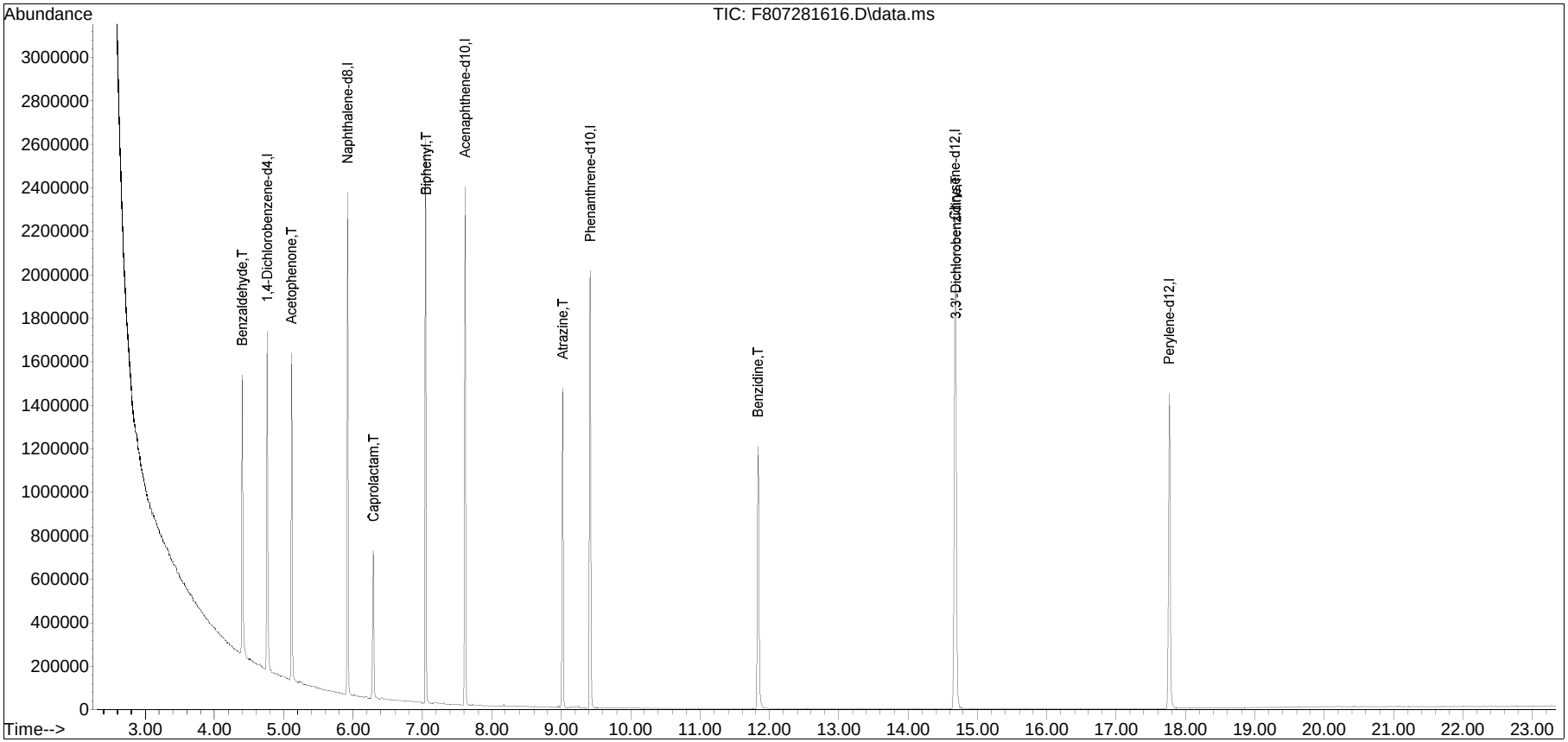
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281616.D
Acq On : 28 Jul 2016 7:07 pm
Operator : BNA8:SF
Sample : I807281612
Misc : WG919318,MSAI82
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 01 13:06:41 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

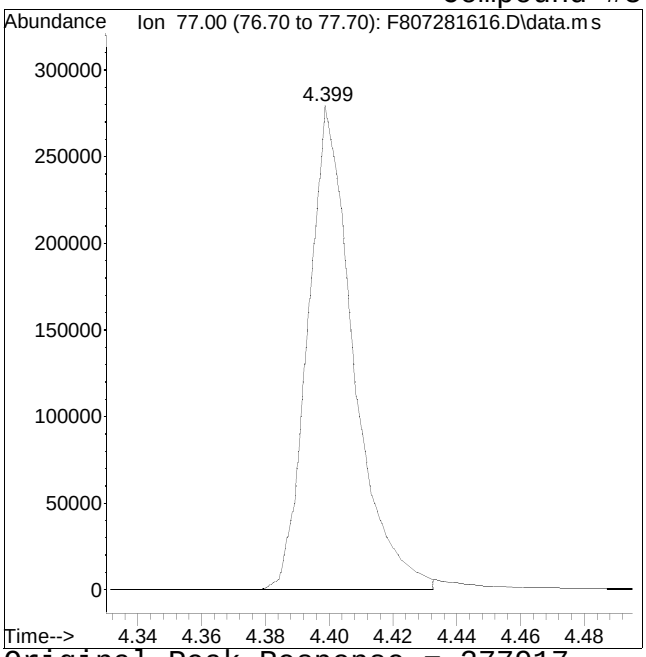
Sub List : Default - All compounds listed

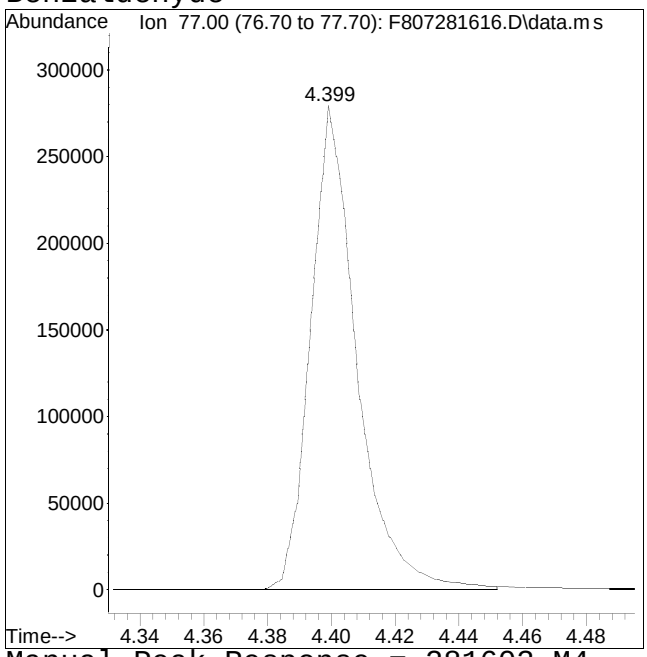


Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281616.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 7:07 pm Instrument : BNA8
Sample : I807281612 Quant Date : 8/1/2016 11:58 am

Compound #5: Benzaldehyde





Original Peak Response = 277917 Manual Peak Response = 281603 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281617.D
Acq On : 28 Jul 2016 7:40 pm
Operator : BNA8:SF
Sample : I807281613
Misc : WG919318,MSAJ90
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 01 11:57:40 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.760	152	321646	5.000	ug/mL	0.00
21) Naphthalene-d8	5.921	136	1275657	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.616	164	583691	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.421	188	1073572	5.000	ug/mL	0.00
76) Chrysene-d12	14.675	240	1022951	5.000	ug/mL	0.00
85) Perylene-d12	17.771	264	937003	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D. d		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.394	77	594457M1	8.645	ug/ml	
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	5.112	105	1068815	9.378	ug/ml	96
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D. d		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281617.D
Acq On : 28 Jul 2016 7:40 pm
Operator : BNA8:SF
Sample : I807281613
Misc : WG919318,MSAJ90
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 01 11:57:40 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.	d	
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.301	113	260619	9.919	ug/ml	87
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	7.052	154	1889697	9.396	ug/ml	99
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.	d	
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.	d	
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	9.031	200	455384M4	10.151	ug/ml	

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281617.D
Acq On : 28 Jul 2016 7:40 pm
Operator : BNA8:SF
Sample : I807281613
Misc : WG919318,MSAJ90
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 01 11:57:40 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.		
72) Anthracene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.839	184	1759032	9.889	ug/mL	98
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	14.694	252	837711	9.653	ug/mL	99
82) Benz[a]anthracene	0.000		0	N.D. d		
83) Chrysene	0.000		0	N.D. d		
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D. d		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D. d		
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

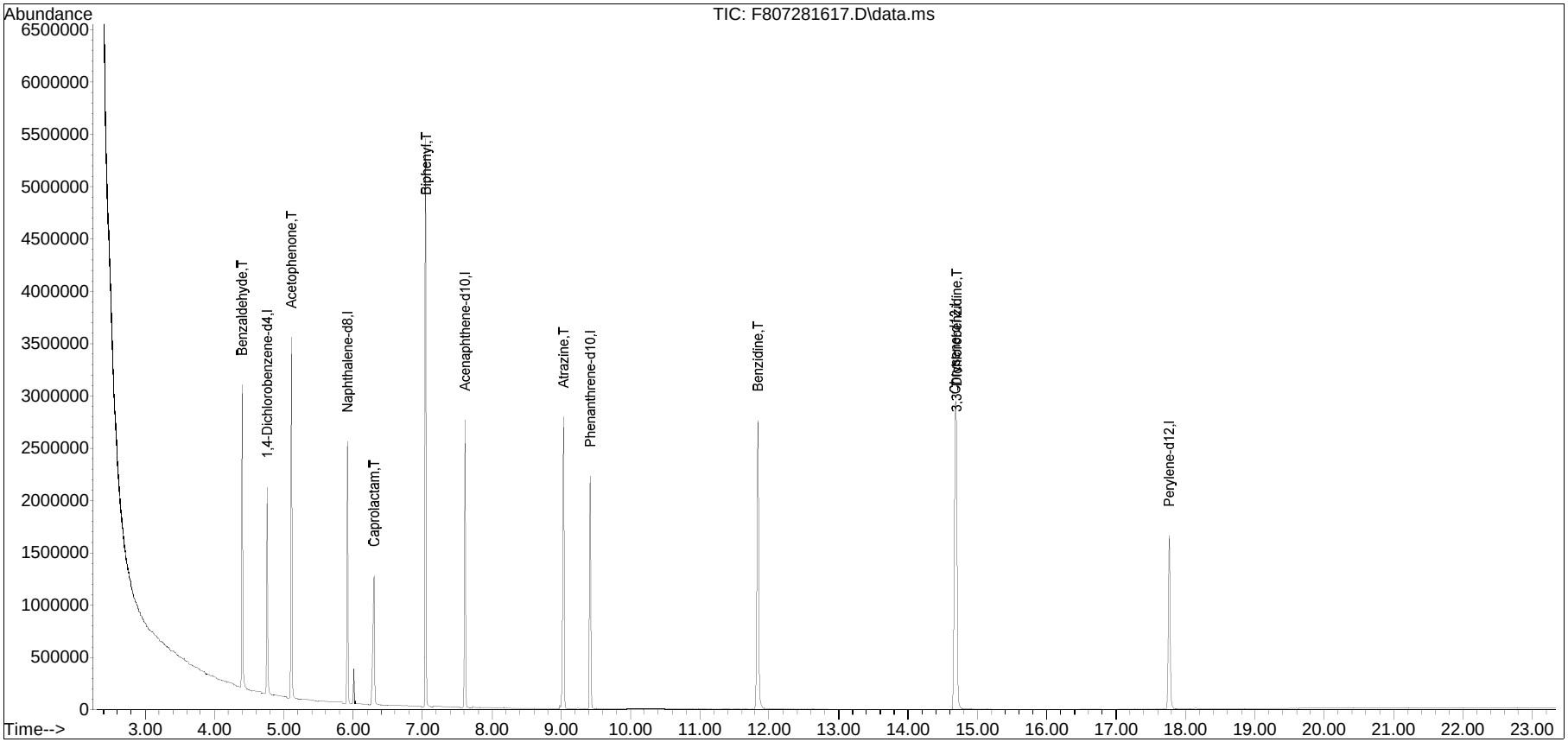
(#) = qualifier out of range (m) = manual integration (+) = signals summed

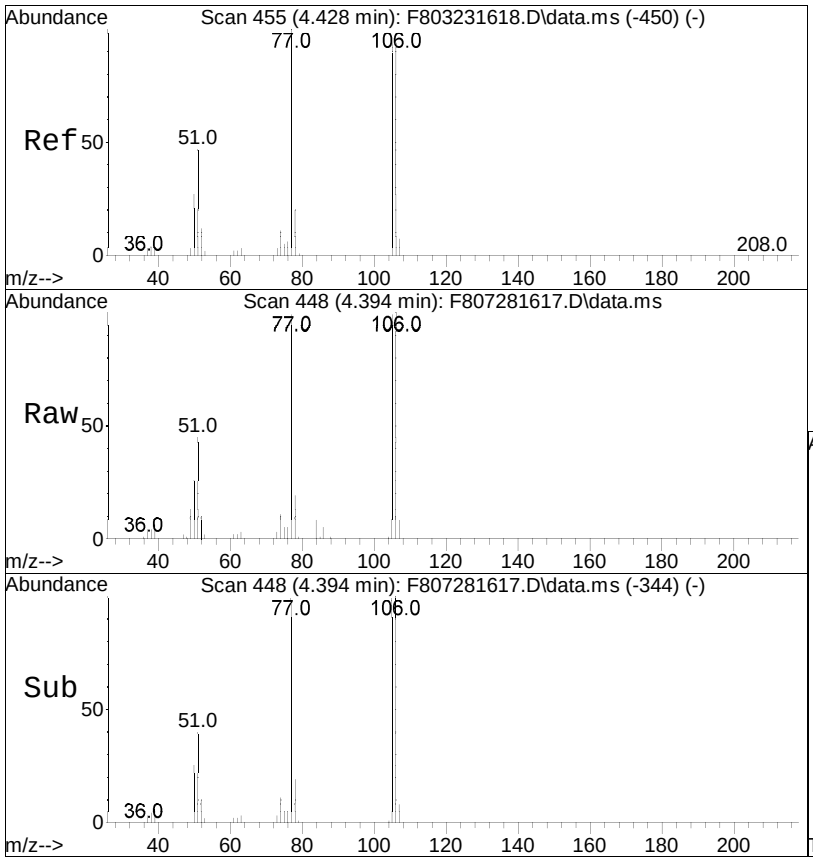
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281617.D
Acq On : 28 Jul 2016 7:40 pm
Operator : BNA8:SF
Sample : I807281613
Misc : WG919318,MSAJ90
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 01 11:57:40 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

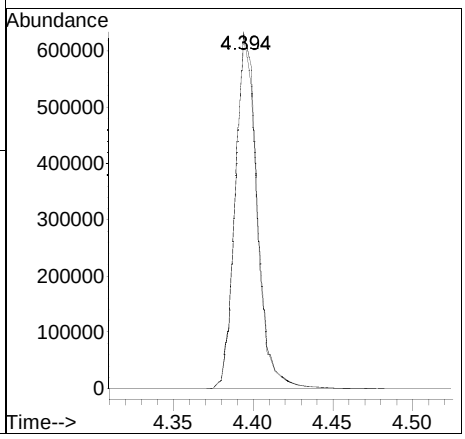


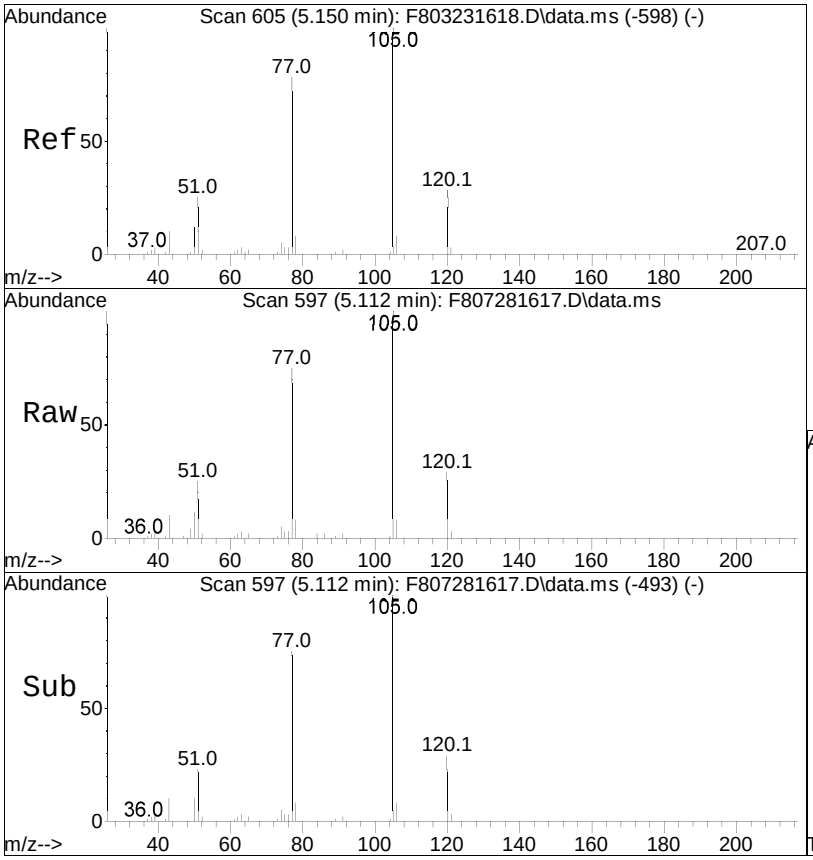


#5
Benzaldehyde
Concen: 8.64 ug/ml M1
RT: 4.394 min Scan# 448
Delta R.T. 0.000 min
Lab File: F807281617.D
Acq: 28 Jul 2016 7:40 pm

Tgt Ion: 77 Resp: 594457

Ion	Ratio	Lower	Upper
77	100		
105	101.6	88.1	132.1
106	101.8	89.8	134.8

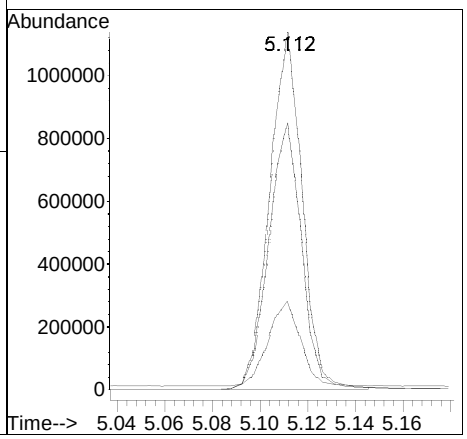


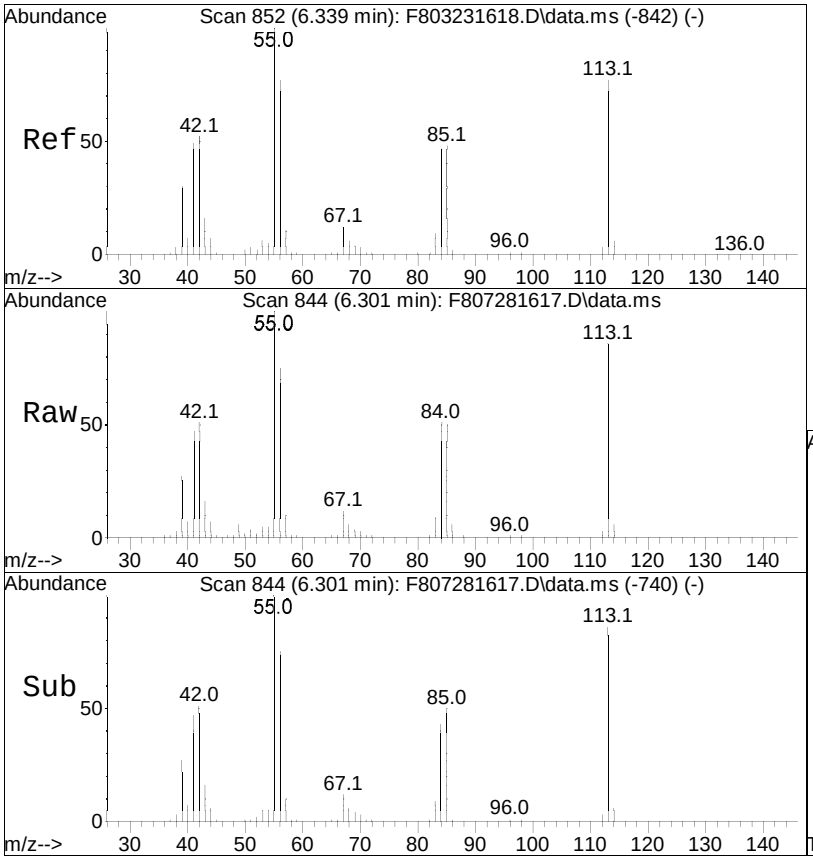


#17
Acetophenone
Concen: 9.38 ug/ml
RT: 5.112 min Scan# 597
Delta R.T. 0.000 min
Lab File: F807281617.D
Acq: 28 Jul 2016 7:40 pm

Tgt Ion:105 Resp: 1068815

Ion	Ratio	Lower	Upper
105	100		
77	75.4	57.7	86.5
51	23.7	17.1	25.7

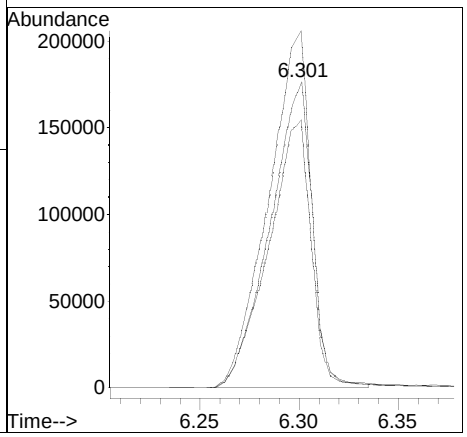


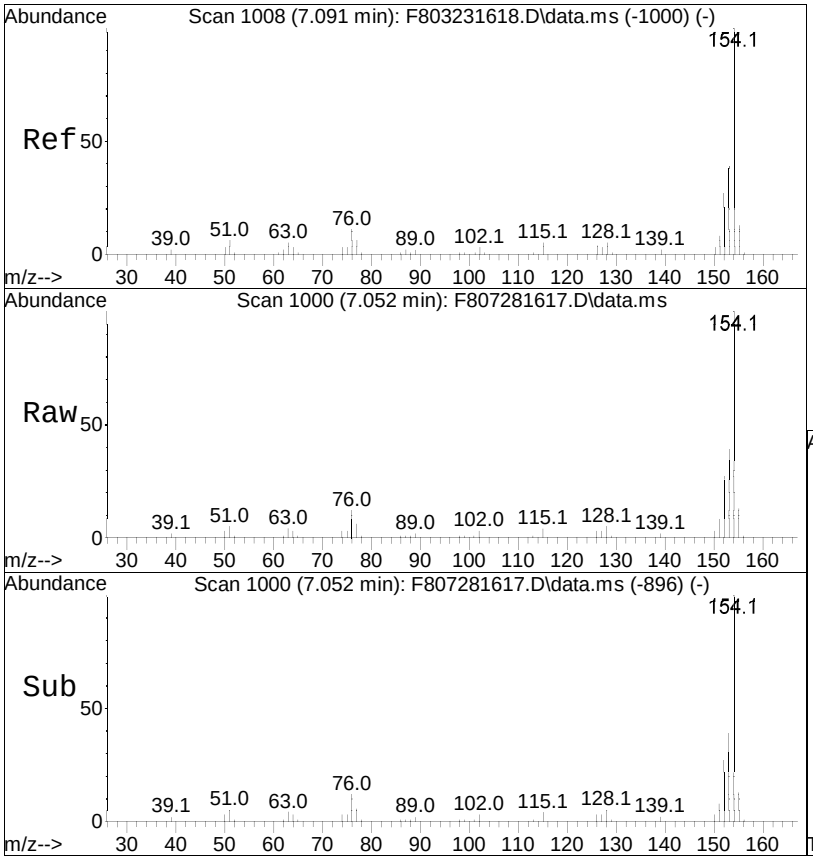


#35
Caprolactam
Concen: 9.92 ug/ml
RT: 6.301 min Scan# 844
Delta R.T. 0.000 min
Lab File: F807281617.D
Acq: 28 Jul 2016 7:40 pm

Tgt Ion:113 Resp: 260619

Ion	Ratio	Lower	Upper
113	100		
55	117.9	82.6	123.8
56	88.3	63.0	94.6

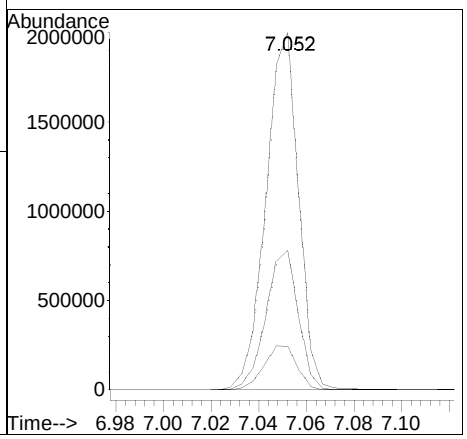


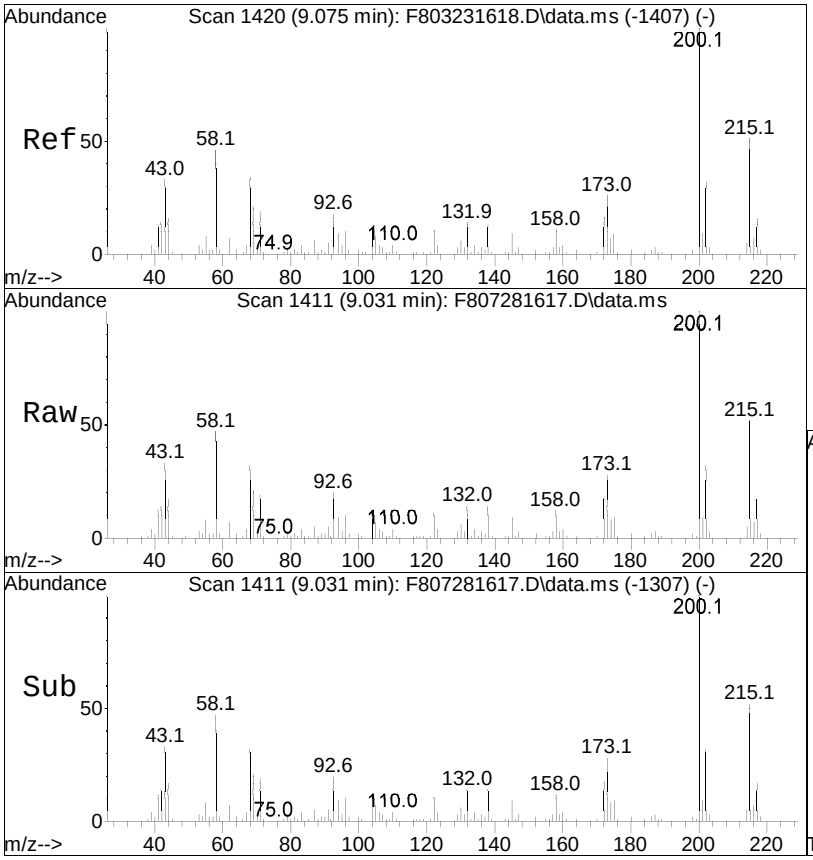


#44
Biphenyl
Concen: 9.40 ug/ml
RT: 7.052 min Scan# 1000
Delta R.T. 0.000 min
Lab File: F807281617.D
Acq: 28 Jul 2016 7:40 pm

Tgt Ion:154 Resp: 1889697

Ion	Ratio	Lower	Upper
154	100		
153	39.1	31.4	47.0
76	12.9	9.8	14.6

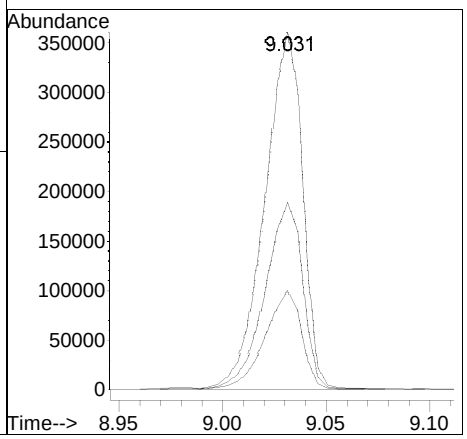


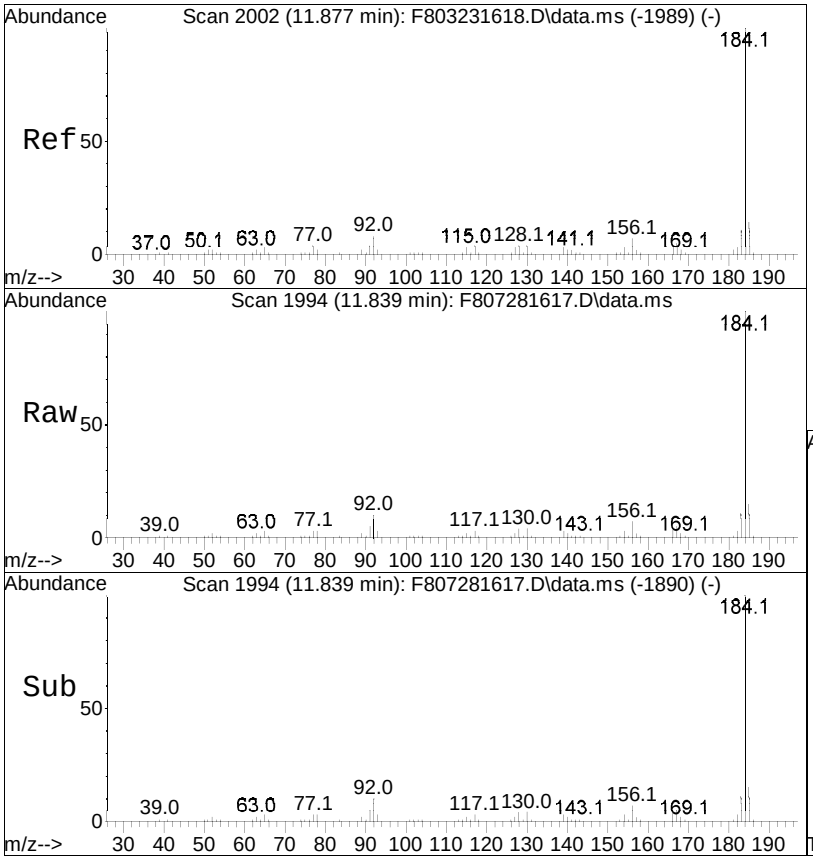


#68
Atrazine
Concen: 10.15 ug/ml M4
RT: 9.031 min Scan# 1411
Delta R.T. 0.000 min
Lab File: F807281617.D
Acq: 28 Jul 2016 7:40 pm

Tgt Ion:200 Resp: 455384

Ion	Ratio	Lower	Upper
200	100		
173	26.9	22.4	33.6
215	52.5	43.8	65.6

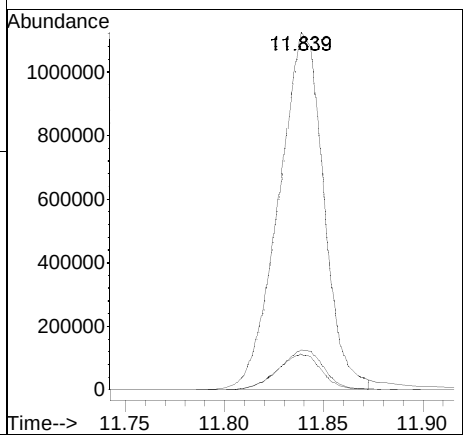


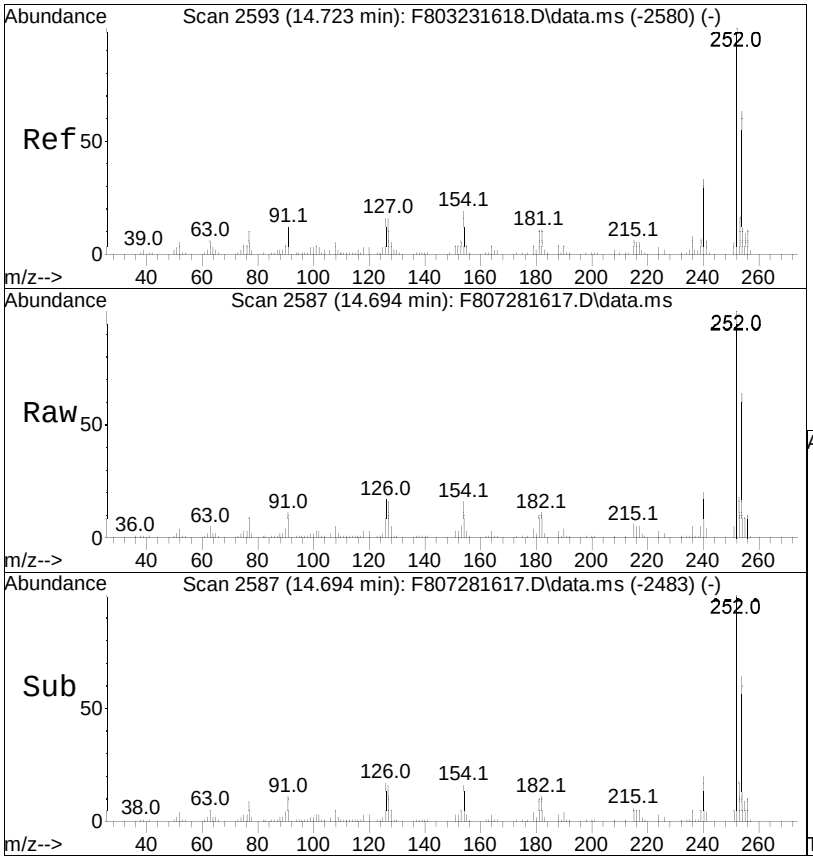


#77
Benzidine
Concen: 9.89 ug/mL
RT: 11.839 min Scan# 1994
Delta R.T. 0.000 min
Lab File: F807281617.D
Acq: 28 Jul 2016 7:40 pm

Tgt Ion:184 Resp: 1759032

Ion	Ratio	Lower	Upper
184	100		
183	11.7	9.0	13.4
92	10.0	7.4	11.2

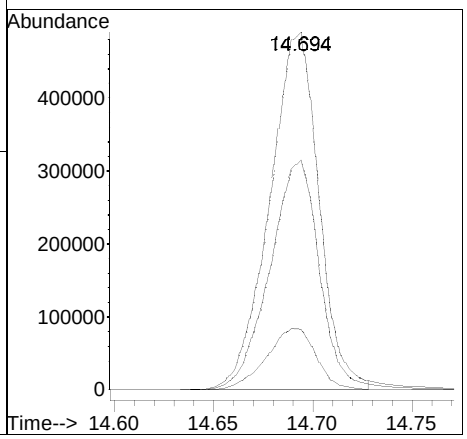




#81
3,3'-Dichlorobenzidine
Concen: 9.65 ug/mL
RT: 14.694 min Scan# 2587
Delta R.T. 0.000 min
Lab File: F807281617.D
Acq: 28 Jul 2016 7:40 pm

Tgt Ion:252 Resp: 837711

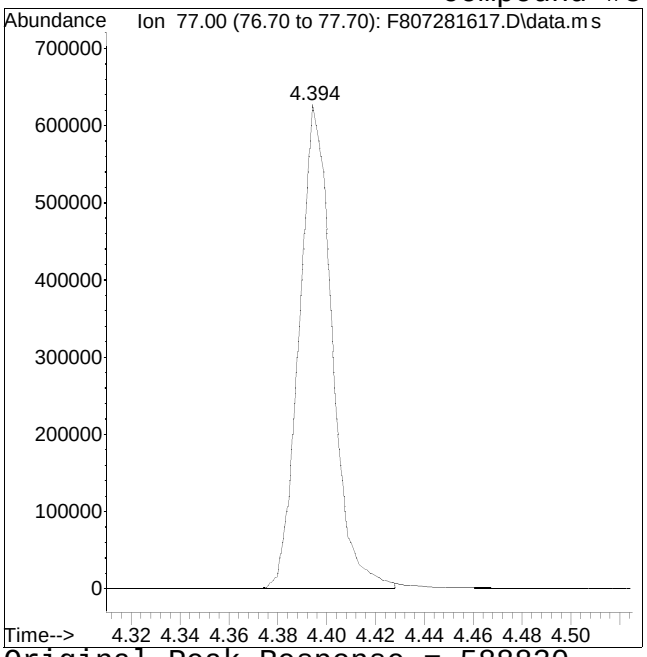
Ion	Ratio	Lower	Upper
252	100		
254	64.4	52.0	78.0
126	17.8	13.6	20.4



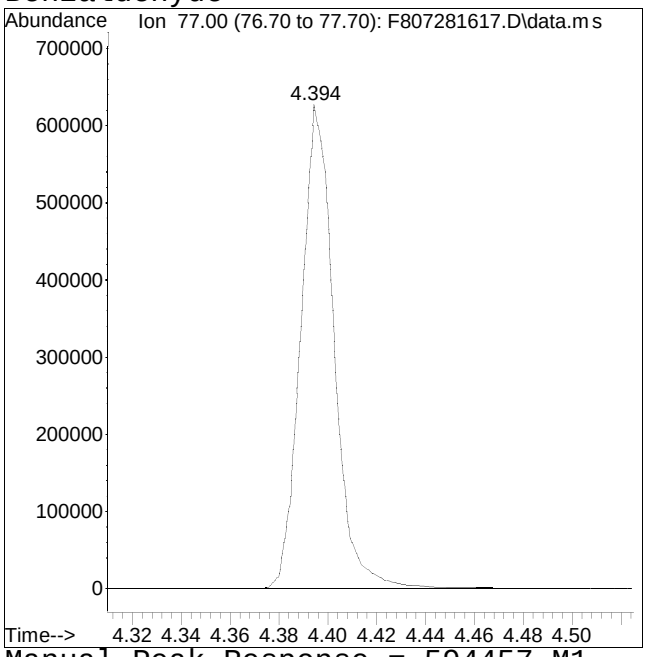
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281617.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 7:40 pm Instrument : BNA8
Sample : I807281613 Quant Date : 8/1/2016 11:57 am

Compound #5: Benzaldehyde



Original Peak Response = 588830



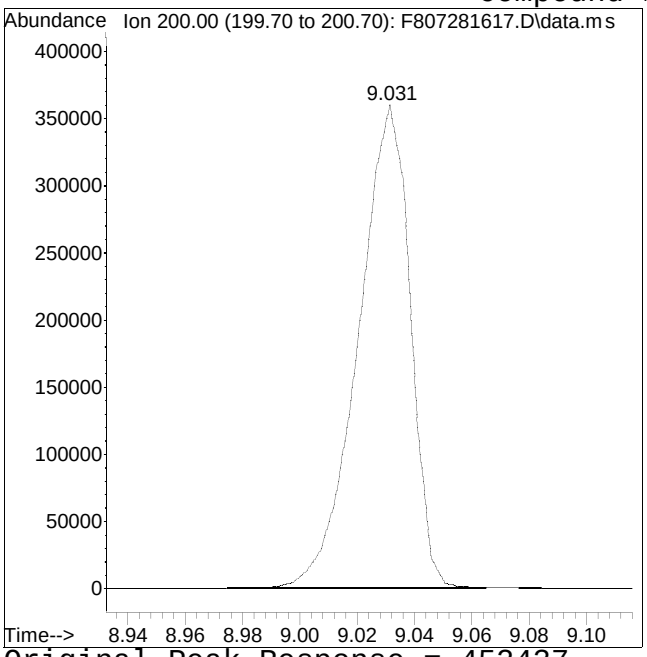
Manual Peak Response = 594457 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

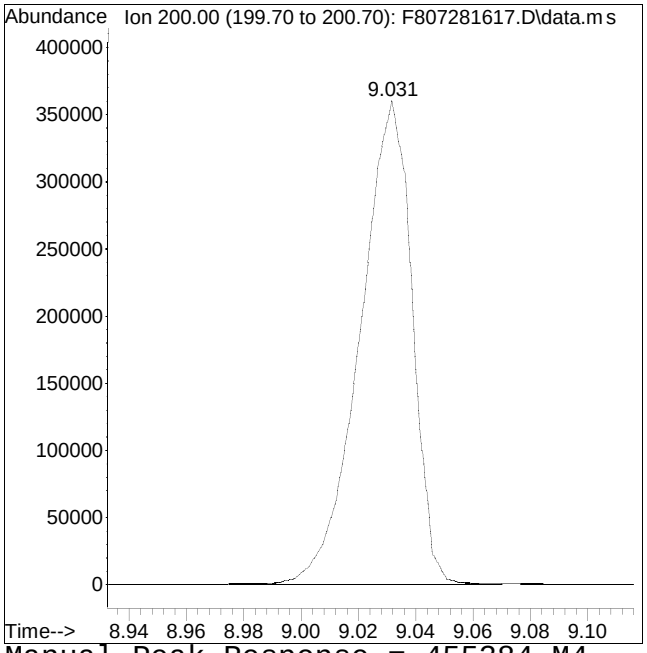
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281617.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 7:40 pm Instrument : BNA8
Sample : I807281613 Quant Date : 8/1/2016 11:57 am

Compound #68: Atrazine



Original Peak Response = 452437



Manual Peak Response = 455384 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281618.D
Acq On : 28 Jul 2016 8:13 pm
Operator : BNA8:SF
Sample : I807281614
Misc : WG919318,MSAI80
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 01 13:07:53 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.765	152	272964	5.000	ug/mL	0.00
21) Naphthalene-d8	5.920	136	1034942	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.615	164	484424	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.421	188	917386	5.000	ug/mL	0.00
76) Chrysene-d12	14.675	240	768070	5.000	ug/mL	0.00
85) Perylene-d12	17.771	264	728400	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D. d		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.404	77	782235	13.404	ug/ml	92
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	5.116	105	1284239	13.278	ug/ml	96
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D. d		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281618.D
Acq On : 28 Jul 2016 8:13 pm
Operator : BNA8:SF
Sample : I807281614
Misc : WG919318,MSAI80
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 01 13:07:53 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D. d		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D. d		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.306	113	307923	14.445	ug/ml	87
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	7.052	154	2199189	13.176	ug/ml	99
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D. d		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D. d		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	9.036	200	560624	14.624	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281618.D
Acq On : 28 Jul 2016 8:13 pm
Operator : BNA8:SF
Sample : I807281614
Misc : WG919318,MSAI80
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 01 13:07:53 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.		
72) Anthracene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.843	184	2201533	16.483	ug/mL	99
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	14.694	252	1000607	15.356	ug/mL	97
82) Benz[a]anthracene	0.000		0	N.D. d		
83) Chrysene	0.000		0	N.D. d		
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D. d		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D. d		
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

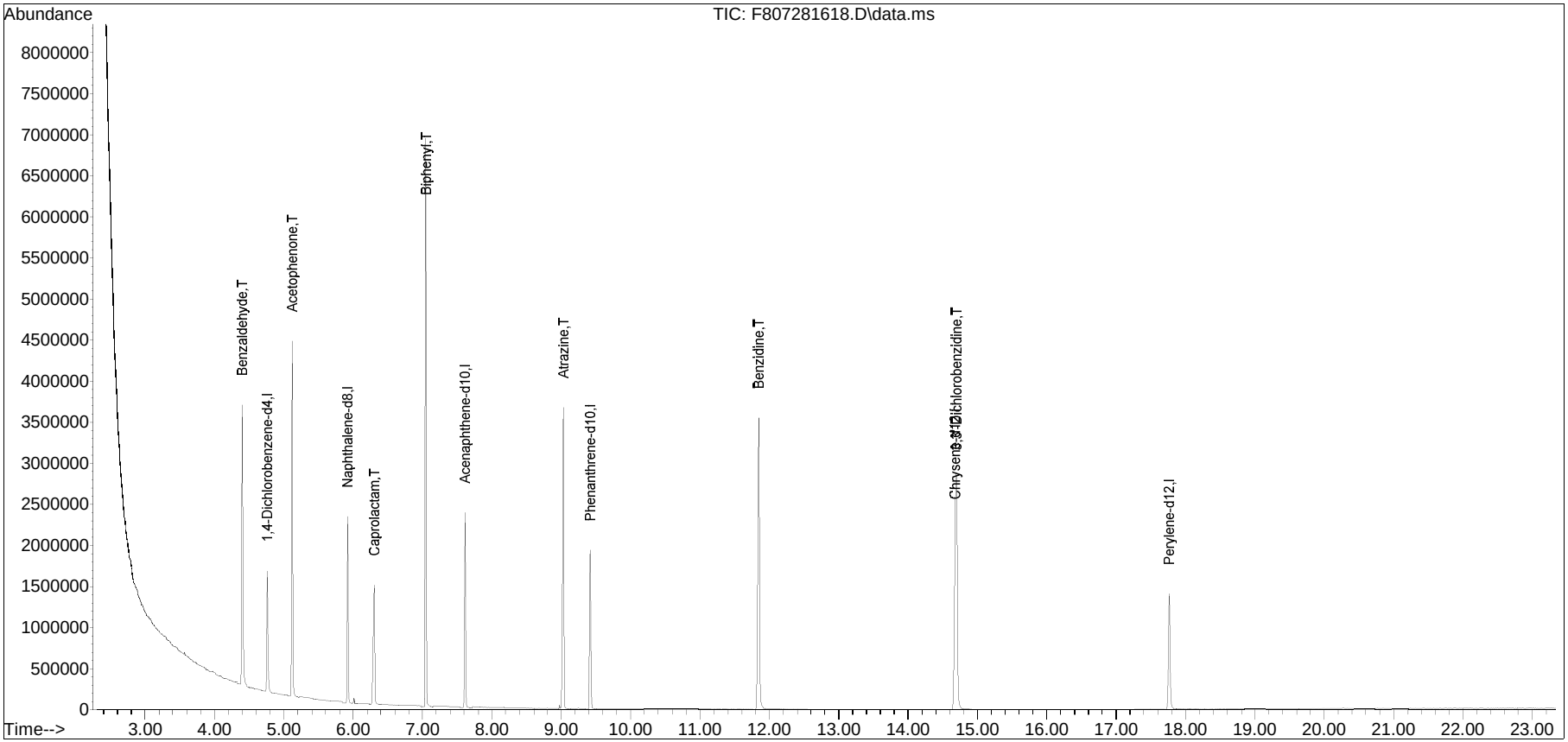
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281618.D
Acq On : 28 Jul 2016 8:13 pm
Operator : BNA8:SF
Sample : I807281614
Misc : WG919318,MSAI80
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 01 13:07:53 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\BNA8\2016\	QMethod	: SV0728BNA8.M
Data File	: F807281618.D	Operator	: BNA8:SF
Date Inj'd	: 7/28/2016 8:13 pm	Instrument	: BNA8
Sample	: I807281614	Quant Date	: 8/1/2016 11:58 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281619.D
Acq On : 28 Jul 2016 8:46 pm
Operator : BNA8:SF
Sample : I807281615
Misc : WG919318,MSAI79
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 01 13:08:43 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.760	152	318622	5.000	ug/mL	0.00
21) Naphthalene-d8	5.921	136	1224801	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.616	164	575037	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.421	188	1088167	5.000	ug/mL	0.00
76) Chrysene-d12	14.675	240	938498	5.000	ug/mL	0.00
85) Perylene-d12	17.771	264	871763	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D. d		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.399	77	1443834M4	21.196	ug/ml	
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	5.116	105	2435843	21.576	ug/ml	95
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D. d		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281619.D
Acq On : 28 Jul 2016 8:46 pm
Operator : BNA8:SF
Sample : I807281615
Misc : WG919318,MSAI79
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 01 13:08:43 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D. d		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D. d		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.320	113	630071	24.976	ug/ml	88
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	7.052	154	3959030	19.982	ug/ml	99
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D. d		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D. d		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	9.046	200	1090498	23.982	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281619.D
Acq On : 28 Jul 2016 8:46 pm
Operator : BNA8:SF
Sample : I807281615
Misc : WG919318,MSAI79
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 01 13:08:43 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.		
72) Anthracene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.853	184	4449399	27.264	ug/mL	99
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	14.709	252	1976277	24.821	ug/mL	98
82) Benz[a]anthracene	0.000		0	N.D. d		
83) Chrysene	0.000		0	N.D. d		
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D. d		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D. d		
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

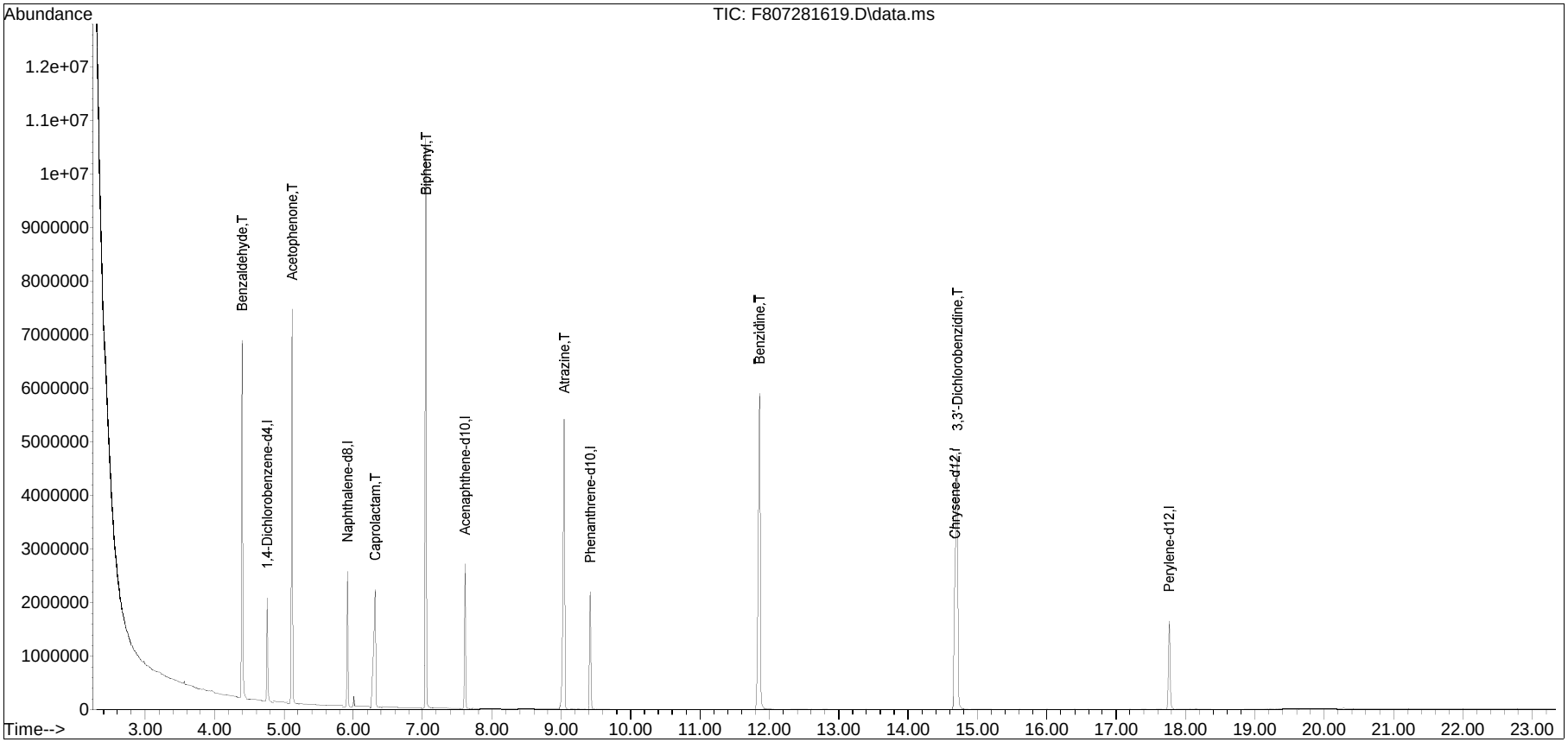
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281619.D
Acq On : 28 Jul 2016 8:46 pm
Operator : BNA8:SF
Sample : I807281615
Misc : WG919318,MSAI79
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 01 13:08:43 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 11:57:09 2016
Response via : Initial Calibration

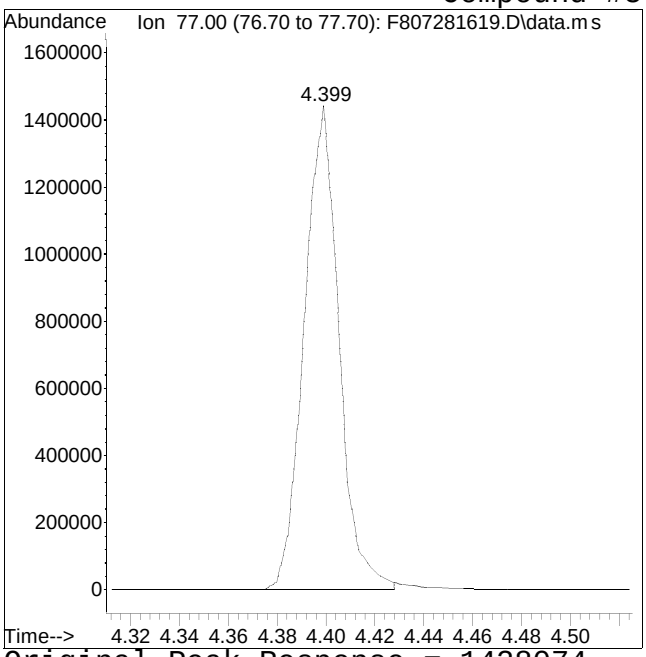
Sub List : Default - All compounds listed

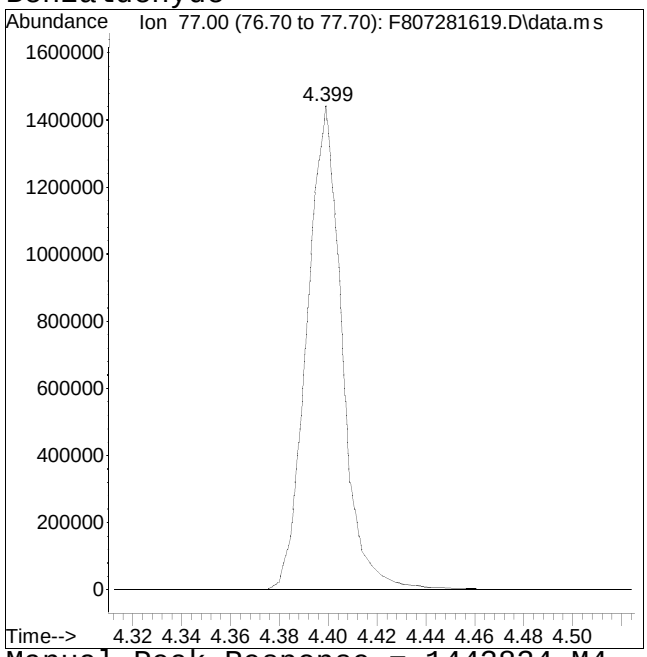


Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281619.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 8:46 pm Instrument : BNA8
Sample : I807281615 Quant Date : 8/1/2016 11:58 am

Compound #5: Benzaldehyde





Original Peak Response = 1428074 Manual Peak Response = 1443834 M4
M4 = Poor automated baseline construction.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281620.D
Acq On : 28 Jul 2016 9:19 pm
Operator : BNA8:SF
Sample : CQ807281601
Misc : WG919318,MSAI62
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 10 09:47:03 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 10 09:47:09 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	80	0.00
2	T	N-Nitrosodimethylamine	0.643	0.614	4.5	75	-0.01
3	t	Pyridine	1.222	1.067	12.7	71	-0.02
4	S	2-Fluorophenol	1.202	0.000	100.0#	0#	-3.70#
5	T	Benzaldehyde	0.984	0.000	100.0#	0#	-4.39#
6	T	Aniline	1.856	1.819	2.0	78	0.00
7	T	bis(2-Chloroethyl)ether	0.813	0.827	-1.7	80	0.00
8	S	Phenol-d5	1.456	0.000	100.0#	0#	-4.42#
9	MC	Phenol	1.511	1.548	-2.4#	80	0.00
10	M	2-Chlorophenol	1.308	1.346	-2.9	81	0.00
11	T	1,3-Dichlorobenzene	1.435	1.448	-0.9	79	0.00
12	MC	1,4-Dichlorobenzene	1.432	1.460	-2.0#	81	0.00
13	T	1,2-Dichlorobenzene	1.361	1.375	-1.0	79	0.00
14	T	Benzyl alcohol	0.795	0.800	-0.6	78	0.00
15	T	bis(2-chloroisopropyl)ether	1.462	1.429	2.3	78	0.00
16	T	2-Methylphenol	1.028	1.079	-5.0	82	0.00
17	T	Acetophenone	1.638	1.554	5.1	75	0.00
18	T	Hexachloroethane	0.583	0.581	0.3	78	0.00
19	MP	N-Nitroso-di-n-propylamine	0.803	0.761	5.2	74	0.00
20	T	4-Methylphenol	1.120	1.129	-0.8	80	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	80	0.00
22	S	Nitrobenzene-d5	0.311	0.000	100.0#	0#	-5.25#
23	T	Nitrobenzene	0.312	0.306	1.9	76	0.00
24	T	Isophorone	0.489	0.582	-19.0	92	0.00
25	TC	2-Nitrophenol	0.179	0.177	1.1#	74	0.00
26	T	2,4-Dimethylphenol	0.282	0.289	-2.5	81	0.00
27	T	Benzoic acid	* 10.000	0.000	100.0#	0	-5.66#
28	T	bis(2-Chloroethoxy)methane	0.359	0.369	-2.8	81	0.00
29	TC	2,4-Dichlorophenol	0.265	0.267	-0.8#	77	0.00
30	M	1,2,4-Trichlorobenzene	0.282	0.287	-1.8	80	0.00
31	T	Naphthalene	0.913	0.918	-0.5	78	0.00
32	T	2-Chloroaniline	0.462	0.429	7.1	72	0.00
33	T	4-Chloroaniline	0.391	0.397	-1.5	80	0.00
34	TC	Hexachlorobutadiene	0.145	0.146	-0.7#	78	0.00
35	T	Caprolactam	0.097	0.106	-9.3	80	0.02
36	MC	4-Chloro-3-methylphenol	0.254	0.256	-0.8#	77	0.01
37	T	2-Methylnaphthalene	0.606	0.635	-4.8	81	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281620.D
Acq On : 28 Jul 2016 9:19 pm
Operator : BNA8:SF
Sample : CQ807281601
Misc : WG919318,MSAI62
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 10 09:47:03 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 10 09:47:09 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	I	Acenaphthene-d10	1.000	1.000	0.0	79	0.00
39	T	1,2,4,5-Tetrachlorobenzene	0.561	0.578	-3.0	78	0.00
40	TP	Hexachlorocyclopentadiene	0.277	0.315	-13.7	80	0.00
41	TC	2,4,6-Trichlorophenol	0.390	0.391	-0.3#	75	0.00
42	T	2,4,5-Trichlorophenol	0.393	0.404	-2.8	76	0.00
43	S	2-Fluorobiphenyl	1.322	0.000	100.0#	0#	-6.95#
44	T	Biphenyl	1.593	1.544	3.1	75	0.00
45	T	2-Chloronaphthalene	1.182	1.190	-0.7	76	0.00
46	T	2-Nitroaniline	0.323	0.321	0.6	73	0.00
47	T	Acenaphthylene	1.934	1.900	1.8	73	0.00
48	T	Dimethylphthalate	1.290	1.349	-4.6	80	0.00
49	T	2,6-Dinitrotoluene	0.300	0.325	-8.3	78	0.00
50	MC	Acenaphthene	1.196	1.178	1.5#	75	0.00
51	T	3-Nitroaniline	0.346	0.376	-8.7	80	0.00
52	TP	2,4-Dinitrophenol	* 10.000	7.306	26.9	51	0.00
53	T	Dibenzofuran	1.571	1.646	-4.8	80	0.00
54		2,3,4,6-Tetrachlorophenol	0.278	0.306	-10.1	80	0.00
55	M	2,4-Dinitrotoluene	0.387	0.420	-8.5	77	0.00
56	MP	4-Nitrophenol	0.169	0.167	1.2	71	0.00
57	T	Fluorene	1.256	1.287	-2.5	78	0.00
58	T	4-Chlorophenyl-phenylether	0.573	0.584	-1.9	79	0.00
59	T	Diethylphthalate	1.328	1.369	-3.1	77	0.00
60	T	4-Nitroaniline	0.348	0.356	-2.3	75	0.00
61	I	Phenanthrene-d10	1.000	1.000	0.0	78	0.00
62	T	4,6-Dinitro-2-methylphenol	0.136	0.127	6.6	65	0.00
63	T	Azobenzene	0.192	0.191	0.5	73	0.00
64	TC	n-Nitrosodiphenylamine	0.485	0.617	-27.2#	95	0.00
65	S	2,4,6-Tribromophenol	0.067	0.000	100.0#	0#	-8.49#
66	T	4-Bromophenyl-phenylether	0.171	0.182	-6.4	79	0.00
67	T	Hexachlorobenzene	0.175	0.180	-2.9	77	0.00
68	T	Atrazine	0.195	0.196	-0.5	74	0.00
69	MC	Pentachlorophenol	0.130	0.109	16.2#	61	0.00
70	T	Pentachloronitrobenzene	0.075	0.078	-4.0	73	0.00
71	T	Phenanthrene	1.007	1.052	-4.5	78	0.00
72	T	Anthracene	0.998	1.049	-5.1	78	0.00
73	T	Carbazole	0.943	0.983	-4.2	76	0.00
74	T	Di-n-butylphthalate	1.184	1.223	-3.3	73	0.00
75	TC	Fluoranthene	1.073	1.102	-2.7#	74	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281620.D
Acq On : 28 Jul 2016 9:19 pm
Operator : BNA8:SF
Sample : CQ807281601
Misc : WG919318,MSAI62
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 10 09:47:03 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 10 09:47:09 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
76	I	Chrysene-d12		1.000	1.000	0.0	69	0.00
77	T	Benzidine		0.803	0.000	100.0#	0#	-11.84#
78	M	Pyrene		1.214	1.327	-9.3	73	0.00
79	S	Terphenyl-d14		0.708	0.000	100.0#	0#	-12.36#
80	T	Butylbenzylphthalate	*	10.000	10.219	-2.2	70	0.00
81	T	3,3'-Dichlorobenzidine		0.396	0.298	24.7	52	0.00
82	T	Benz[a]anthracene		1.058	1.140	-7.8	72	0.01
83	T	Chrysene		1.064	1.081	-1.6	69	0.00
84	T	bis(2-Ethylhexyl)phthalate	*	10.000	10.694	-6.9	72	0.00
85	I	Perylene-d12		1.000	1.000	0.0	72	0.00
86	TC	Di-n-octylphthalate	*	10.000	9.414	5.9#	67	0.00
87	T	Benzo[b]fluoranthene		1.066	1.152	-8.1	72	0.00
88	T	Benzo[k]fluoranthene		1.059	1.136	-7.3	72	0.00
89	TC	Benzo[a]pyrene		1.038	1.103	-6.3#	72	0.00
90	T	Indeno[1,2,3-cd]pyrene		0.847	0.880	-3.9	65	0.00
91	T	Dibenz[a,h]anthracene		0.858	0.905	-5.5	67	0.00
92	T	Benzo[g,h,i]perylene		0.953	0.975	-2.3	68	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 13

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.98	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.75	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281620.D
Acq On : 28 Jul 2016 9:19 pm
Operator : BNA8:SF
Sample : CQ807281601
Misc : WG919318,MSAI62
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 10 09:47:03 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 10 09:47:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.765	152	259605	5.000	ug/mL	0.00
21) Naphthalene-d8	5.921	136	990275	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.620	164	461946	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.421	188	858304	5.000	ug/mL	0.00
76) Chrysene-d12	14.684	240	730999	5.000	ug/mL	0.00
85) Perylene-d12	17.771	264	694446	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.791	74	318801	9.556	ug/mL#	88
3) Pyridine	2.796	79	553861	8.727	ug/mL	97
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.486	93	944550M4	9.799	ug/ml	
7) bis(2-Chloroethyl)ether	4.529	63	429187	10.165	ug/mL	97
9) Phenol	4.438	94	803833	10.243	ug/mL	96
10) 2-Chlorophenol	4.582	128	698613	10.290	ug/mL	96
11) 1,3-Dichlorobenzene	4.717	146	751970	10.096	ug/mL	99
12) 1,4-Dichlorobenzene	4.779	146	758121	10.194	ug/mL	99
13) 1,2-Dichlorobenzene	4.914	146	713665	10.099	ug/mL	99
14) Benzyl alcohol	4.876	108	415480	10.063	ug/mL	89
15) bis(2-chloroisopropyl)eth	4.996	45	741941	9.777	ug/mL#	64
16) 2-Methylphenol	4.962	108	560403	10.501	ug/mL	99
17) Acetophenone	5.116	105	806598	9.485	ug/ml#	71
18) Hexachloroethane	5.213	117	301622	9.958	ug/mL	97
19) N-Nitroso-di-n-propylamin	5.116	70	395331	9.477	ug/mL	94
20) 4-Methylphenol	5.102	108	586316	10.083	ug/mL	90
23) Nitrobenzene	5.275	77	606463	9.807	ug/mL	97

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281620.D
Acq On : 28 Jul 2016 9:19 pm
Operator : BNA8:SF
Sample : CQ807281601
Misc : WG919318,MSAI62
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 10 09:47:03 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 10 09:47:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.492	82	1152131	11.906	ug/mL	99
25) 2-Nitrophenol	5.564	139	351224	9.918	ug/mL	92
26) 2,4-Dimethylphenol	5.593	107	572034	10.247	ug/mL	97
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	5.685	93	730446	10.275	ug/mL	97
29) 2,4-Dichlorophenol	5.781	162	528125	10.079	ug/mL	99
30) 1,2,4-Trichlorobenzene	5.863	180	569268	10.175	ug/mL	100
31) Naphthalene	5.945	128	1817466	10.049	ug/mL	100
32) 2-Chloroaniline	5.531	127	850317	9.300	ug/ml	99
33) 4-Chloroaniline	5.988	127	787053	10.154	ug/mL	99
34) Hexachlorobutadiene	6.051	225	288364	10.075	ug/mL	99
35) Caprolactam	6.320	113	209178M4	10.868	ug/ml	
36) 4-Chloro-3-methylphenol	6.450	107	507905	10.090	ug/mL	99
37) 2-Methylnaphthalene	6.604	142	1257068	10.475	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.763	216	534160	10.304	ug/mL	100
40) Hexachlorocyclopentadiene	6.749	237	291364	11.372	ug/mL	99
41) 2,4,6-Trichlorophenol	6.869	196	361408M4	10.023	ug/mL	
42) 2,4,5-Trichlorophenol	6.908	196	373023M4	10.269	ug/mL	
44) Biphenyl	7.052	154	1426339	9.691	ug/ml#	98
45) 2-Chloronaphthalene	7.072	162	1099100	10.064	ug/mL	97
46) 2-Nitroaniline	7.173	65	296523	9.944	ug/mL	89
47) Acenaphthylene	7.481	152	1755018	9.821	ug/mL	99
48) Dimethylphthalate	7.351	163	1245898	10.457	ug/mL	99
49) 2,6-Dinitrotoluene	7.413	165	300388	10.830	ug/mL	98
50) Acenaphthene	7.654	153	1088010	9.848	ug/mL	95
51) 3-Nitroaniline	7.577	138	347735	10.877	ug/mL	89
52) 2,4-Dinitrophenol	7.683	184	152930	7.306	ug/mL#	30
53) Dibenzofuran	7.832	168	1520932	10.482	ug/mL	99
54) 2,3,4,6-Tetrachlorophenol	7.958	232	282461M4	10.986	ug/mL	
55) 2,4-Dinitrotoluene	7.818	165	387953	10.845	ug/mL#	74
56) 4-Nitrophenol	7.741	109	154338	9.862	ug/mL	94
57) Fluorene	8.208	166	1188781	10.243	ug/mL	99
58) 4-Chlorophenyl-phenylethe	8.208	204	539705	10.194	ug/mL	98
59) Diethylphthalate	8.078	149	1264948	10.307	ug/mL	98
60) 4-Nitroaniline	8.232	138	328620	10.209	ug/mL	98
62) 4,6-Dinitro-2-methylpheno	8.266	198	218186	9.335	ug/mL	99
63) Azobenzene	8.396	182	328107	9.934	ug/mL	95
64) n-Nitrosodiphenylamine	8.348	169	1058879	12.712	ug/mL	100
66) 4-Bromophenyl-phenylether	8.805	248	311738	10.603	ug/mL	97
67) Hexachlorobenzene	8.877	284	308659	10.263	ug/mL	96
68) Atrazine	9.031	200	336811	10.044	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281620.D
Acq On : 28 Jul 2016 9:19 pm
Operator : BNA8:SF
Sample : CQ807281601
Misc : WG919318,MSAI62
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 10 09:47:03 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 10 09:47:09 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	9.147	266	187658	8.416	ug/mL	97
70) Pentachloronitrobenzene	9.166	237	133248	10.335	ug/ml	94
71) Phenanthrene	9.460	178	1806549	10.453	ug/mL	100
72) Anthracene	9.537	178	1800027	10.504	ug/mL	99
73) Carbazole	9.787	167	1686744	10.419	ug/mL	100
74) Di-n-butylphthalate	10.413	149	2099771	10.333	ug/mL	99
75) Fluoranthene	11.516	202	1892283	10.272	ug/mL	94
77) Benzidine	0.000		0	N.D.	d	
78) Pyrene	11.964	202	1940132	10.934	ug/mL	96
80) Butylbenzylphthalate	13.548	149	949373	10.219	ug/mL	96
81) 3,3'-Dichlorobenzidine	14.694	252	435063M4	7.520	ug/mL	
82) Benz[a]anthracene	14.665	228	1666366	10.775	ug/mL	100
83) Chrysene	14.747	228	1580525M4	10.158	ug/mL	
84) bis(2-Ethylhexyl)phthalat	15.012	149	1308824	10.694	ug/mL	99
86) Di-n-octylphthalate	16.529	149	2191805	9.414	ug/mL	99
87) Benzo[b]fluoranthene	17.044	252	1599885	10.808	ug/mL	98
88) Benzo[k]fluoranthene	17.102	252	1578013M4	10.724	ug/mL	
89) Benzo[a]pyrene	17.670	252	1532629	10.635	ug/mL	98
90) Indeno[1,2,3-cd]pyrene	19.586	276	1222389	10.386	ug/mL	99
91) Dibenz[a,h]anthracene	19.639	278	1257213M4	10.548	ug/mL	
92) Benzo[g,h,i]perylene	20.015	276	1354336	10.234	ug/mL	97

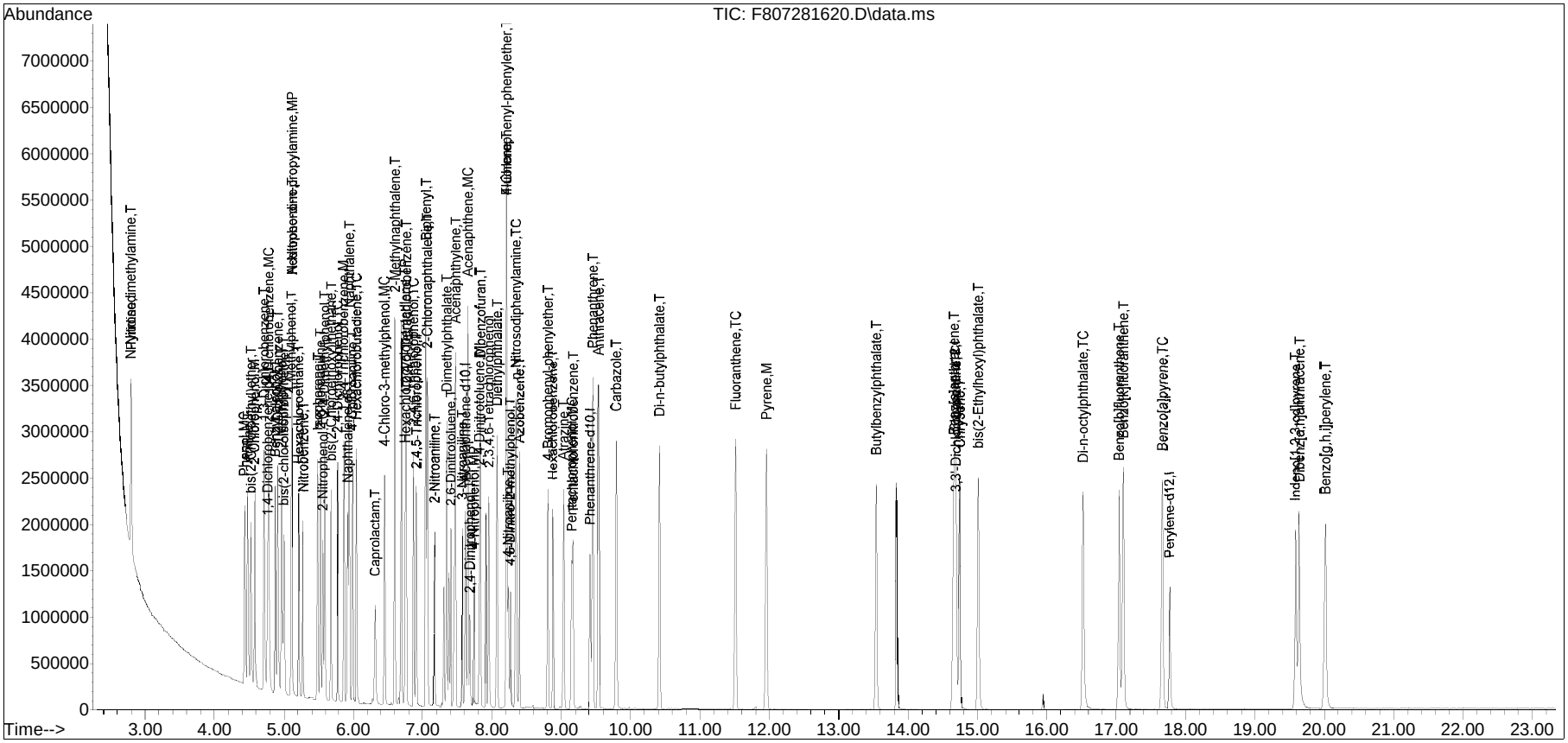
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281620.D
Acq On : 28 Jul 2016 9:19 pm
Operator : BNA8:SF
Sample : CQ807281601
Misc : WG919318,MSAI62
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 10 09:47:03 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 10 09:47:09 2016
Response via : Initial Calibration

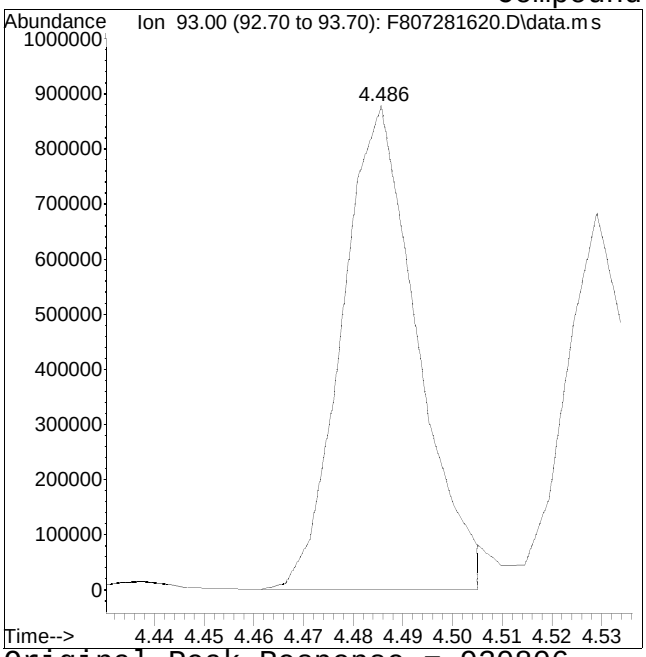
Sub List : Default - All compounds listed

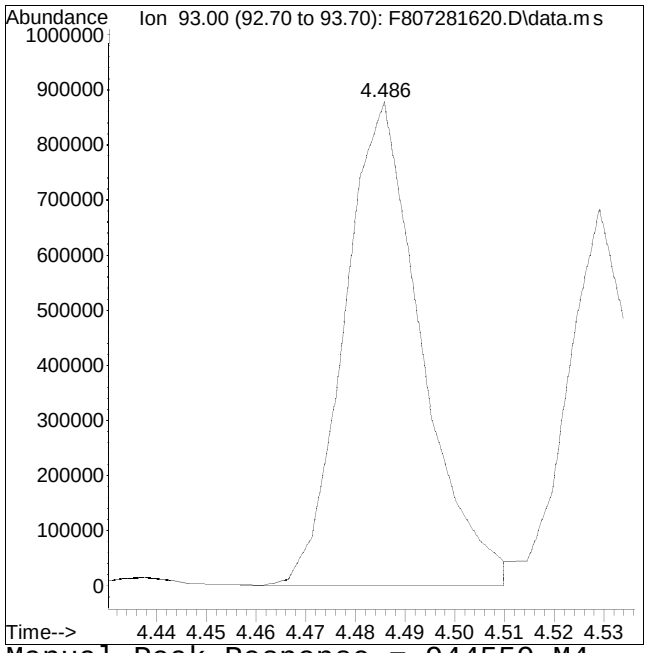


Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ Method : SV0728BNA8.M
Data File : F807281620.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 9:19 pm Instrument : BNA8
Sample : CQ807281601 Quant Date : 8/10/2016 9:47 am

Compound #6: Aniline



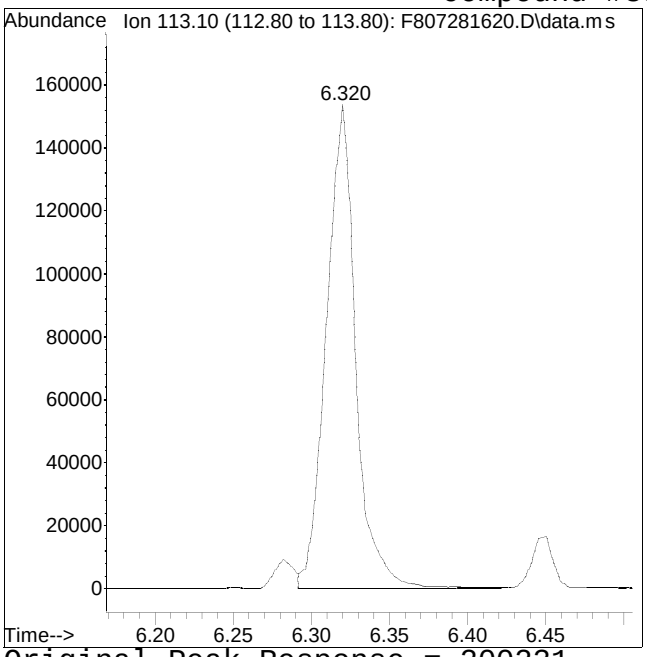


Original Peak Response = 930806 Manual Peak Response = 944550 M4
M4 = Poor automated baseline construction.

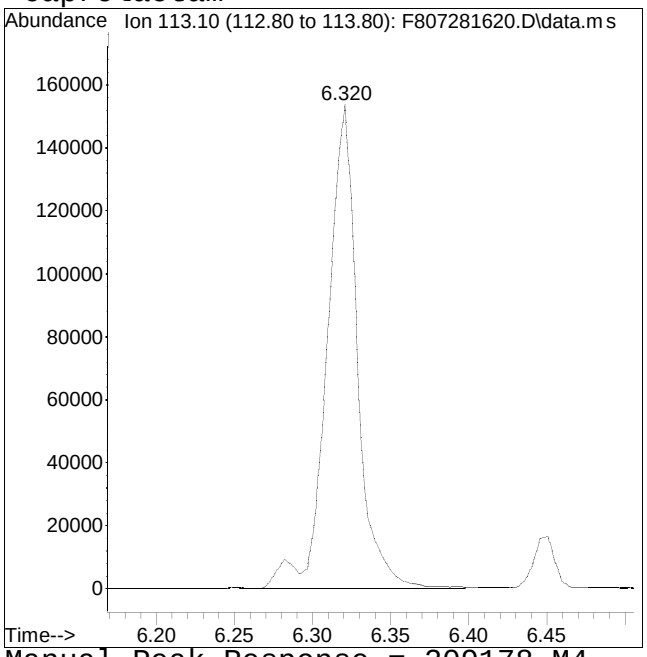
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281620.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 9:19 pm Instrument : BNA8
Sample : CQ807281601 Quant Date : 8/10/2016 9:47 am

Compound #35: Caprolactam



Original Peak Response = 200231



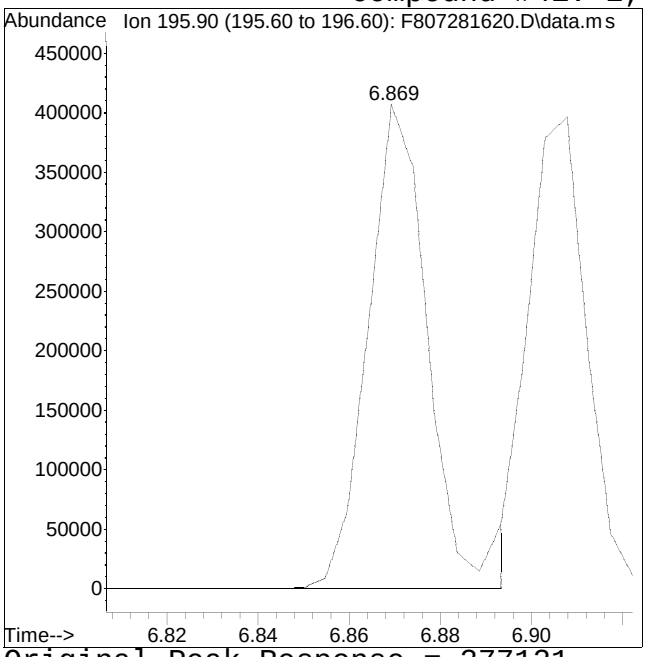
Manual Peak Response = 209178 M4

M4 = Poor automated baseline construction.

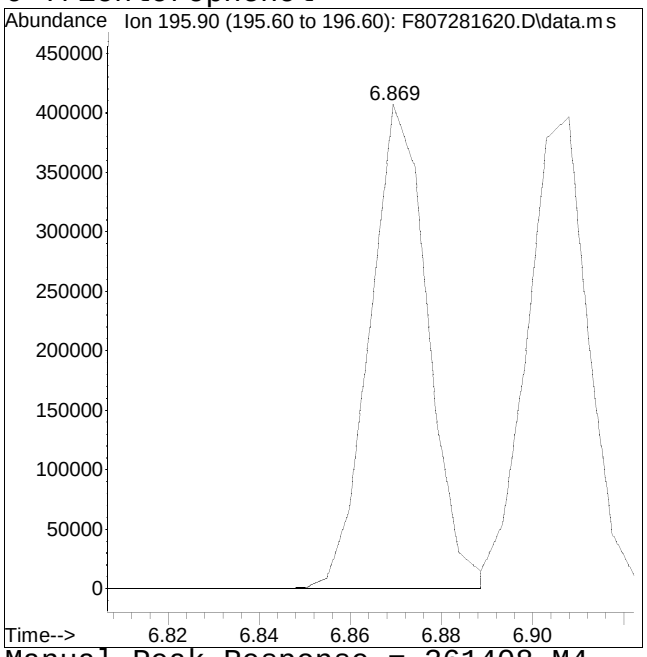
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281620.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 9:19 pm Instrument : BNA8
Sample : CQ807281601 Quant Date : 8/10/2016 9:47 am

Compound #41: 2,4,6-Trichlorophenol



Original Peak Response = 377121



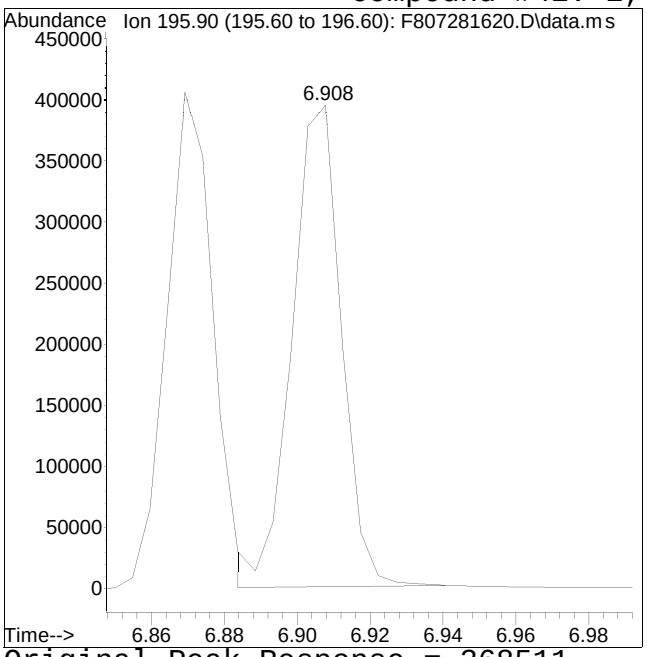
Manual Peak Response = 361408 M4

M4 = Poor automated baseline construction.

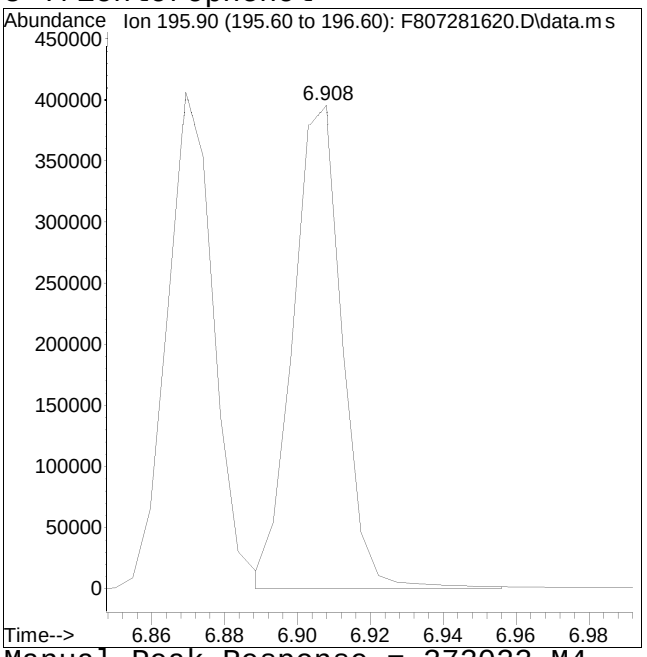
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281620.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 9:19 pm Instrument : BNA8
Sample : CQ807281601 Quant Date : 8/10/2016 9:47 am

Compound #42: 2,4,5-Trichlorophenol



Original Peak Response = 368511



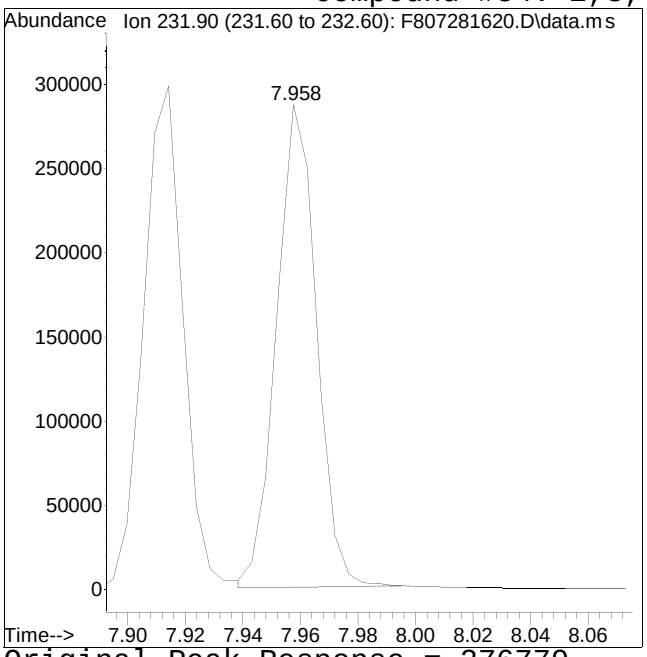
Manual Peak Response = 373023 M4

M4 = Poor automated baseline construction.

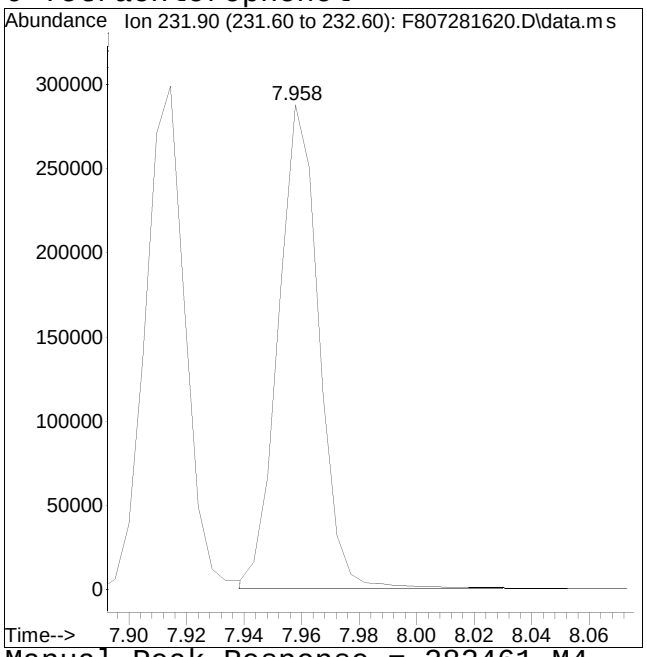
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281620.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 9:19 pm Instrument : BNA8
Sample : CQ807281601 Quant Date : 8/10/2016 9:47 am

Compound #54: 2,3,4,6-Tetrachlorophenol



Original Peak Response = 276779



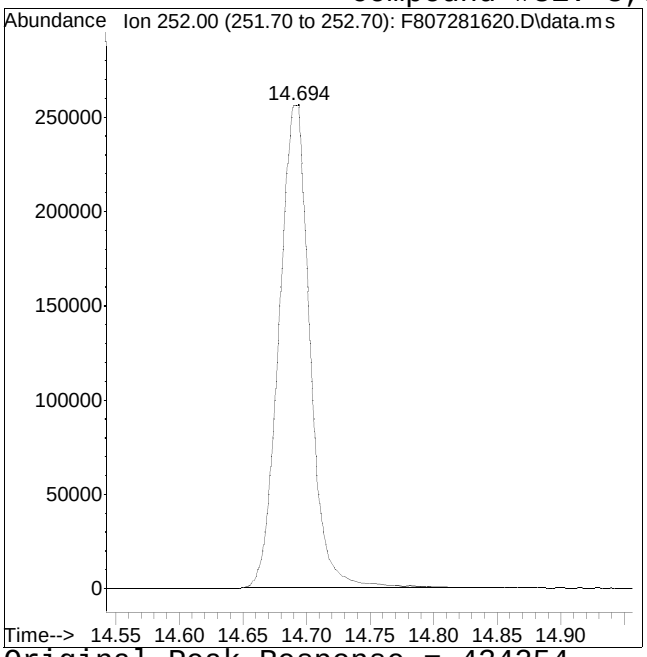
Manual Peak Response = 282461 M4

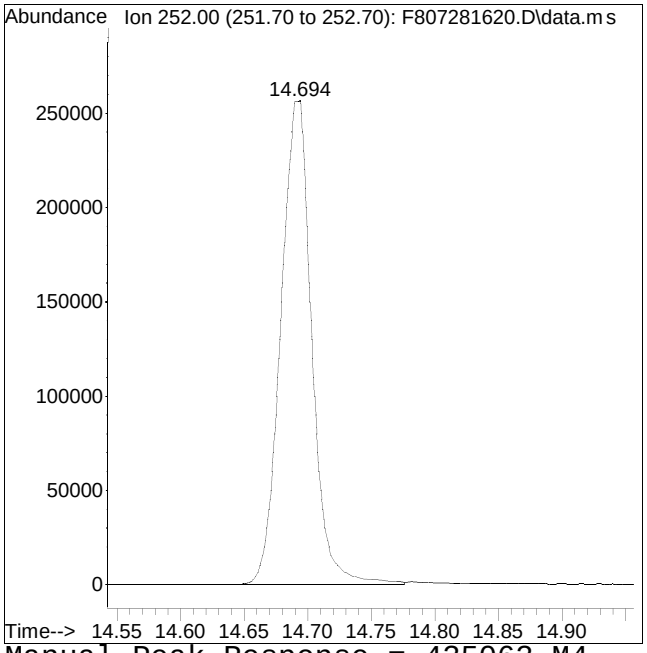
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281620.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 9:19 pm Instrument : BNA8
Sample : CQ807281601 Quant Date : 8/10/2016 9:47 am

Compound #81: 3,3'-Dichlorobenzidine



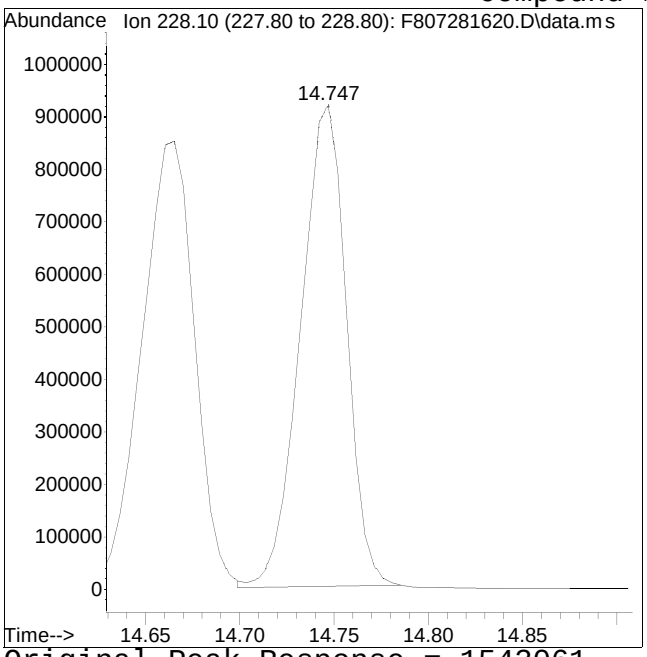


Original Peak Response = 434254 Manual Peak Response = 435063 M4
M4 = Poor automated baseline construction.

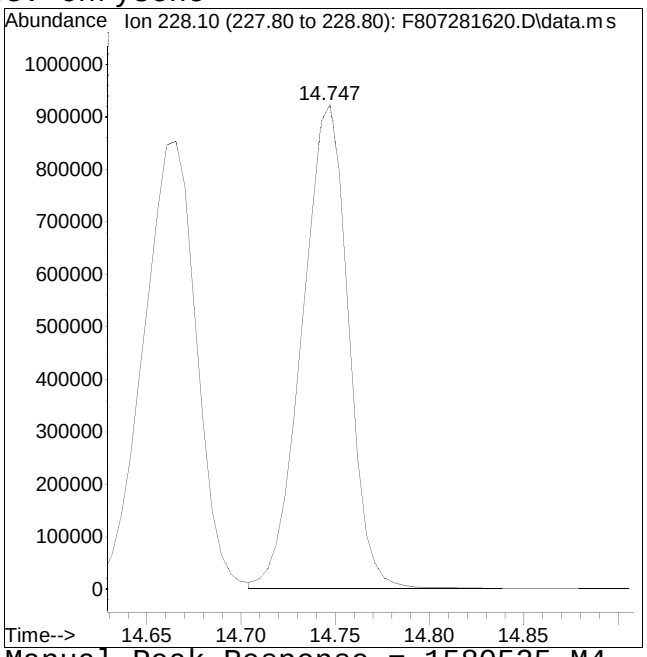
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281620.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 9:19 pm Instrument : BNA8
Sample : CQ807281601 Quant Date : 8/10/2016 9:47 am

Compound #83: Chrysene



Original Peak Response = 1543061



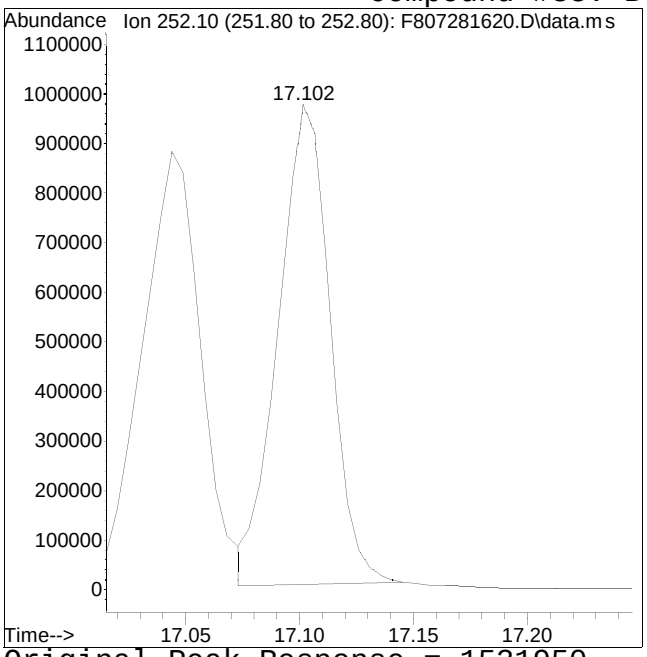
Manual Peak Response = 1580525 M4

M4 = Poor automated baseline construction.

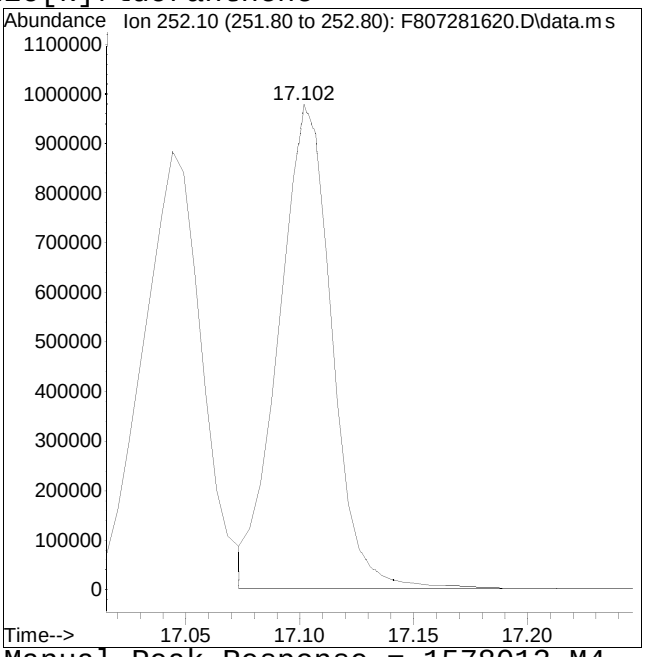
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281620.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 9:19 pm Instrument : BNA8
Sample : CQ807281601 Quant Date : 8/10/2016 9:47 am

Compound #88: Benzo[k]fluoranthene



Original Peak Response = 1531950



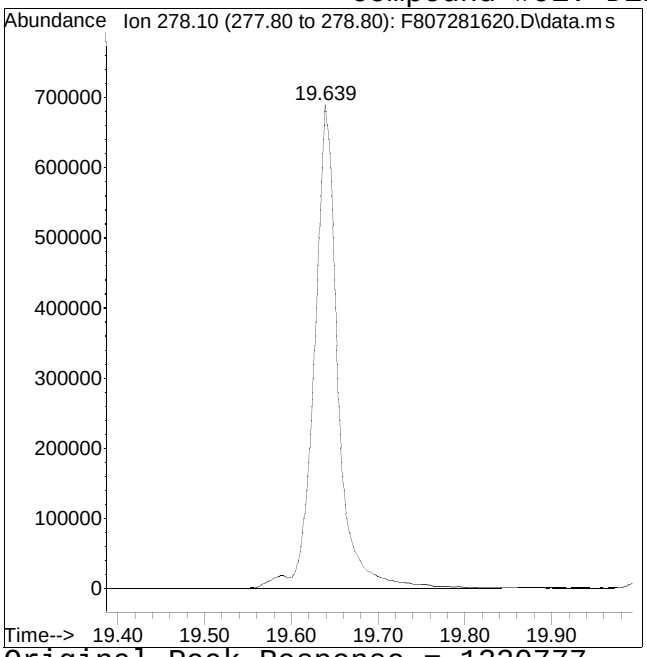
Manual Peak Response = 1578013 M4

M4 = Poor automated baseline construction.

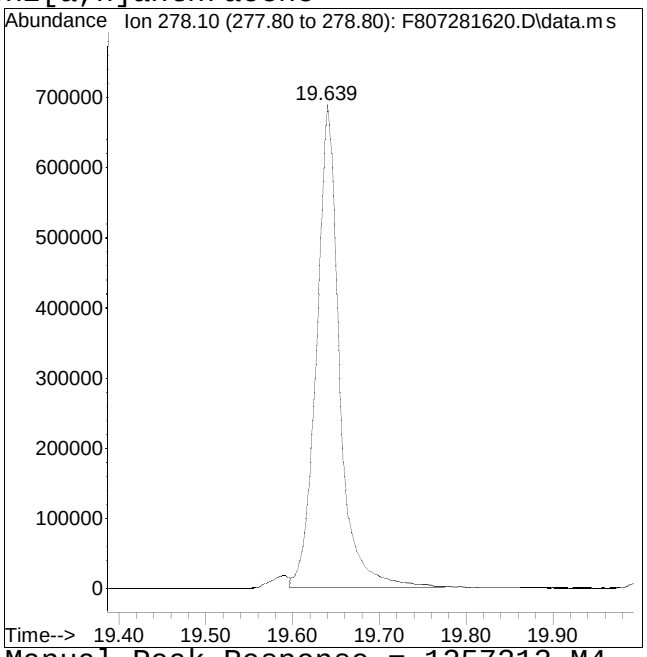
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ QMethod : SV0728BNA8.M
Data File : F807281620.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 9:19 pm Instrument : BNA8
Sample : CQ807281601 Quant Date : 8/10/2016 9:47 am

Compound #91: Dibenz[a,h]anthracene



Original Peak Response = 1320777



Manual Peak Response = 1257213 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281621.D
Acq On : 28 Jul 2016 9:52 pm
Operator : BNA8:SF
Sample : CQ807281602
Misc : WG919318,MSAJ17
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 01 13:29:08 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 13:22:20 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
2	T	N-Nitrosodimethylamine	0.643	0.000	100.0#	0#	-2.81#
3	t	Pyridine	1.222	0.000	100.0#	0#	-2.82#
4	S	2-Fluorophenol	1.202	0.000	100.0#	0#	-3.70#
5	T	Benzaldehyde	0.984	0.000	100.0#	0#	-4.39#
6	T	Aniline	1.856	0.000	100.0#	0#	-4.48#
7	T	bis(2-Chloroethyl)ether	0.813	0.000	100.0#	0#	-4.52#
8	S	Phenol-d5	1.456	0.000	100.0#	0#	-4.42#
9	MC	Phenol	1.511	0.000	100.0#	0#	-4.43#
10	M	2-Chlorophenol	1.308	0.000	100.0#	0#	-4.58#
11	T	1,3-Dichlorobenzene	1.435	0.000	100.0#	0#	-4.71#
12	MC	1,4-Dichlorobenzene	1.432	0.000	100.0#	0#	-4.77#
13	T	1,2-Dichlorobenzene	1.361	0.000	100.0#	0#	-4.91#
14	T	Benzyl alcohol	0.795	0.000	100.0#	0#	-4.87#
15	T	bis(2-chloroisopropyl)ether	1.462	0.000	100.0#	0#	-4.99#
16	T	2-Methylphenol	1.028	0.000	100.0#	0#	-4.96#
17	T	Acetophenone	1.638	0.000	100.0#	0#	-5.11#
18	T	Hexachloroethane	0.583	0.000	100.0#	0#	-5.21#
19	MP	N-Nitroso-di-n-propylamine	0.803	0.000	100.0#	0#	-5.11#
20	T	4-Methylphenol	1.120	0.000	100.0#	0#	-5.10#
21	I	Naphthalene-d8	1.000	1.000	0.0	95	0.00
22	S	Nitrobenzene-d5	0.311	0.000	100.0#	0#	-5.25#
23	T	Nitrobenzene	0.312	0.000	100.0#	0#	-5.27#
24	T	Isophorone	0.489	0.000	100.0#	0#	-5.49#
25	TC	2-Nitrophenol	0.179	0.000	100.0#	0#	-5.56#
26	T	2,4-Dimethylphenol	0.282	0.000	100.0#	0#	-5.59#
27	T	Benzoic acid	* 10.000	0.000	100.0#	0	-5.66#
28	T	bis(2-Chloroethoxy)methane	0.359	0.000	100.0#	0#	-5.68#
29	TC	2,4-Dichlorophenol	0.265	0.000	100.0#	0#	-5.78#
30	M	1,2,4-Trichlorobenzene	0.282	0.000	100.0#	0#	-5.86#
31	T	Naphthalene	0.913	0.000	100.0#	0#	-5.94#
32	T	2-Chloroaniline	0.462	0.000	100.0#	0#	-5.53#
33	T	4-Chloroaniline	0.391	0.000	100.0#	0#	-5.99#
34	TC	Hexachlorobutadiene	0.145	0.000	100.0#	0#	-6.05#
35	T	Caprolactam	0.097	0.000	100.0#	0#	-6.30#
36	MC	4-Chloro-3-methylphenol	0.254	0.000	100.0#	0#	-6.44#
37	T	2-Methylnaphthalene	0.606	0.000	100.0#	0#	-6.60#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281621.D
Acq On : 28 Jul 2016 9:52 pm
Operator : BNA8:SF
Sample : CQ807281602
Misc : WG919318,MSAJ17
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 01 13:29:08 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 13:22:20 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	I	Acenaphthene-d10	1.000	1.000	0.0	95	0.00
39	T	1,2,4,5-Tetrachlorobenzene	0.561	0.000	100.0#	0#	-6.76#
40	TP	Hexachlorocyclopentadiene	0.277	0.000	100.0#	0#	-6.75#
41	TC	2,4,6-Trichlorophenol	0.389	0.000	100.0#	0#	-6.87#
42	T	2,4,5-Trichlorophenol	0.392	0.000	100.0#	0#	-6.90#
43	S	2-Fluorobiphenyl	1.322	0.000	100.0#	0#	-6.95#
44	T	Biphenyl	1.593	0.000	100.0#	0#	-7.05#
45	T	2-Chloronaphthalene	1.182	0.000	100.0#	0#	-7.07#
46	T	2-Nitroaniline	0.323	0.000	100.0#	0#	-7.17#
47	T	Acenaphthylene	1.934	0.000	100.0#	0#	-7.48#
48	T	Dimethylphthalate	1.290	0.000	100.0#	0#	-7.35#
49	T	2,6-Dinitrotoluene	0.300	0.000	100.0#	0#	-7.41#
50	MC	Acenaphthene	1.196	0.000	100.0#	0#	-7.65#
51	T	3-Nitroaniline	0.346	0.000	100.0#	0#	-7.57#
52	TP	2,4-Dinitrophenol	* 10.000	0.000	100.0#	0	-7.68#
53	T	Dibenzofuran	1.571	0.000	100.0#	0#	-7.83#
54		2,3,4,6-Tetrachlorophenol	0.278	0.000	100.0#	0#	-7.96#
55	M	2,4-Dinitrotoluene	0.387	0.000	100.0#	0#	-7.81#
56	MP	4-Nitrophenol	0.169	0.000	100.0#	0#	-7.74#
57	T	Fluorene	1.256	0.000	100.0#	0#	-8.21#
58	T	4-Chlorophenyl-phenylether	0.573	0.000	100.0#	0#	-8.20#
59	T	Diethylphthalate	1.328	0.000	100.0#	0#	-8.08#
60	T	4-Nitroaniline	0.348	0.000	100.0#	0#	-8.23#
61	I	Phenanthrene-d10	1.000	1.000	0.0	94	0.00
62	T	4,6-Dinitro-2-methylphenol	0.136	0.000	100.0#	0#	-8.26#
63	T	Azobenzene	0.192	0.000	100.0#	0#	-8.39#
64	TC	n-Nitrosodiphenylamine	0.485	0.000	100.0#	0#	-8.34#
65	S	2,4,6-Tribromophenol	0.067	0.000	100.0#	0#	-8.49#
66	T	4-Bromophenyl-phenylether	0.171	0.000	100.0#	0#	-8.80#
67	T	Hexachlorobenzene	0.175	0.000	100.0#	0#	-8.88#
68	T	Atrazine	0.195	0.000	100.0#	0#	-9.03#
69	MC	Pentachlorophenol	0.130	0.000	100.0#	0#	-9.15#
70	T	Pentachloronitrobenzene	0.075	0.000	100.0#	0#	-9.16#
71	T	Phenanthrene	1.007	0.000	100.0#	0#	-9.46#
72	T	Anthracene	0.998	0.000	100.0#	0#	-9.53#
73	T	Carbazole	0.943	0.000	100.0#	0#	-9.79#
74	T	Di-n-butylphthalate	1.184	0.000	100.0#	0#	-10.41#
75	TC	Fluoranthene	1.073	0.000	100.0#	0#	-11.51#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281621.D
Acq On : 28 Jul 2016 9:52 pm
Operator : BNA8:SF
Sample : CQ807281602
Misc : WG919318,MSAJ17
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 01 13:29:08 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 13:22:20 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
76	I	Chrysene-d12	1.000	1.000	0.0	84	0.00
77	T	Benzidine	0.803	0.851	-6.0	86	0.00
78	M	Pyrene	1.214	0.000	100.0#	0#	-11.96#
79	S	Terphenyl-d14	0.708	0.000	100.0#	0#	-12.36#
80	T	Butylbenzylphthalate	0.590	0.000	100.0#	0#	-13.54#
81	T	3,3'-Dichlorobenzidine	0.396	0.000	100.0#	0#	-14.69#
82	T	Benz[a]anthracene	1.058	0.000	100.0#	0#	-14.65#
83	T	Chrysene	1.064	0.000	100.0#	0#	-14.74#
84	T	bis(2-Ethylhexyl)phthalate	0.770	0.000	100.0#	0#	-15.01#
85	I	Perylene-d12	1.000	1.000	0.0	84	0.00
86	TC	Di-n-octylphthalate	1.448	0.000	100.0#	0#	-16.52#
87	T	Benzo[b]fluoranthene	1.066	0.000	100.0#	0#	-17.04#
88	T	Benzo[k]fluoranthene	1.059	0.000	100.0#	0#	-17.10#
89	TC	Benzo[a]pyrene	1.038	0.000	100.0#	0#	-17.66#
90	T	Indeno[1,2,3-cd]pyrene	0.847	0.000	100.0#	0#	-19.58#
91	T	Dibenz[a,h]anthracene	0.858	0.000	100.0#	0#	-19.63#
92	T	Benzo[g,h,i]perylene	0.953	0.000	100.0#	0#	-20.01#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 13

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281621.D
Acq On : 28 Jul 2016 9:52 pm
Operator : BNA8:SF
Sample : CQ807281602
Misc : WG919318,MSAJ17
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 01 13:29:08 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 13:22:20 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.760	152	308551	5.000	ug/mL	0.00
21) Naphthalene-d8	5.920	136	1169769	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.615	164	558480	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.421	188	1036207	5.000	ug/mL	0.00
76) Chrysene-d12	14.675	240	885233	5.000	ug/mL	0.00
85) Perylene-d12	17.771	264	815156	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		

Target Compounds			Qvalue
2) N-Nitrosodimethylamine	0.000	0	N.D.
3) Pyridine	0.000	0	N.D.
5) Benzaldehyde	0.000	0	N.D.
6) Aniline	0.000	0	N.D. d
7) bis(2-Chloroethyl)ether	0.000	0	N.D.
9) Phenol	0.000	0	N.D. d
10) 2-Chlorophenol	0.000	0	N.D.
11) 1,3-Dichlorobenzene	0.000	0	N.D.
12) 1,4-Dichlorobenzene	0.000	0	N.D.
13) 1,2-Dichlorobenzene	0.000	0	N.D.
14) Benzyl alcohol	0.000	0	N.D.
15) bis(2-chloroisopropyl)eth	0.000	0	N.D.
16) 2-Methylphenol	0.000	0	N.D.
17) Acetophenone	0.000	0	N.D.
18) Hexachloroethane	0.000	0	N.D.
19) N-Nitroso-di-n-propylamin	0.000	0	N.D.
20) 4-Methylphenol	0.000	0	N.D.
23) Nitrobenzene	0.000	0	N.D.

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281621.D
Acq On : 28 Jul 2016 9:52 pm
Operator : BNA8:SF
Sample : CQ807281602
Misc : WG919318,MSAJ17
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 01 13:29:08 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 13:22:20 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		d
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	0.000		0	N.D.		
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.		
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		d
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281621.D
Acq On : 28 Jul 2016 9:52 pm
Operator : BNA8:SF
Sample : CQ807281602
Misc : WG919318,MSAJ17
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 01 13:29:08 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 13:22:20 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.		
72) Anthracene	0.000		0	N.D. d		
73) Carbazole	0.000		0	N.D. d		
74) Di-n-butylphthalate	0.000		0	N.D.		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.838	184	1506231	10.596	ug/mL	98
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	0.000		0	N.D. d		
83) Chrysene	0.000		0	N.D. d		
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D. d		
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D. d		
91) Dibenz[a,h]anthracene	0.000		0	N.D. d		
92) Benzo[g,h,i]perylene	0.000		0	N.D. d		

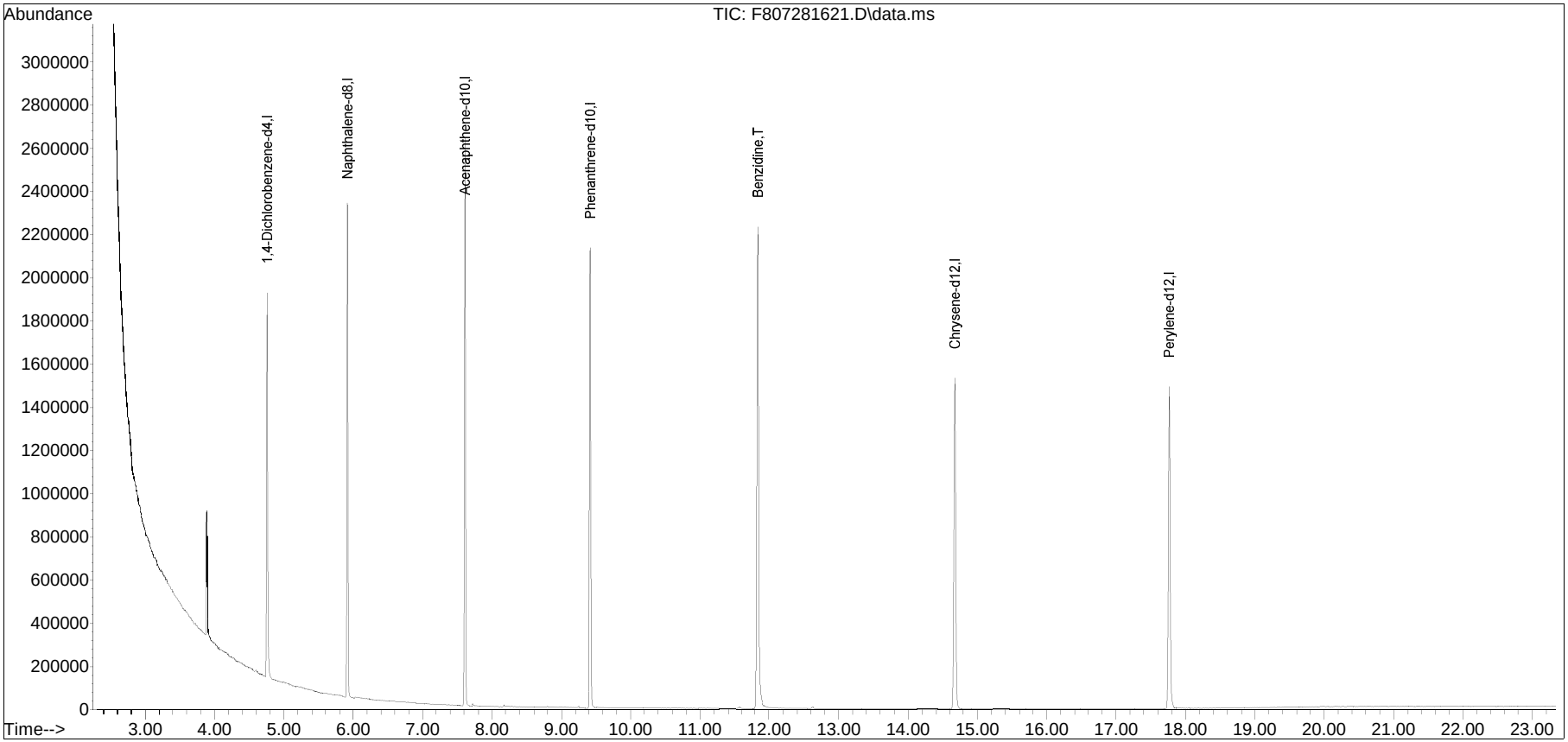
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281621.D
Acq On : 28 Jul 2016 9:52 pm
Operator : BNA8:SF
Sample : CQ807281602
Misc : WG919318,MSAJ17
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 01 13:29:08 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 13:22:20 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\BNA8\2016\	QMethod	: SV0728BNA8.M
Data File	: F807281621.D	Operator	: BNA8:SF
Date Inj'd	: 7/28/2016 9:52 pm	Instrument	: BNA8
Sample	: CQ807281602	Quant Date	: 8/1/2016 1:27 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281622.D
Acq On : 28 Jul 2016 10:25 pm
Operator : BNA8:SF
Sample : CQ807281603
Misc : WG919318,MSAJ83
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 01 13:30:04 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 13:26:51 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
2	T	N-Nitrosodimethylamine	0.643	0.000	100.0#	0#	-2.81#
3	t	Pyridine	1.222	0.000	100.0#	0#	-2.82#
4	S	2-Fluorophenol	1.202	0.000	100.0#	0#	-3.70#
5	T	Benzaldehyde	0.984	1.002	-1.8	101	0.00
6	T	Aniline	1.856	0.000	100.0#	0#	-4.48#
7	T	bis(2-Chloroethyl)ether	0.813	0.000	100.0#	0#	-4.52#
8	S	Phenol-d5	1.456	0.000	100.0#	0#	-4.42#
9	MC	Phenol	1.511	0.000	100.0#	0#	-4.43#
10	M	2-Chlorophenol	1.308	0.000	100.0#	0#	-4.58#
11	T	1,3-Dichlorobenzene	1.435	0.000	100.0#	0#	-4.71#
12	MC	1,4-Dichlorobenzene	1.432	0.000	100.0#	0#	-4.77#
13	T	1,2-Dichlorobenzene	1.361	0.000	100.0#	0#	-4.91#
14	T	Benzyl alcohol	0.795	0.000	100.0#	0#	-4.87#
15	T	bis(2-chloroisopropyl)ether	1.462	0.000	100.0#	0#	-4.99#
16	T	2-Methylphenol	1.028	0.000	100.0#	0#	-4.96#
17	T	Acetophenone	1.638	0.000	100.0#	0#	-5.11#
18	T	Hexachloroethane	0.583	0.000	100.0#	0#	-5.21#
19	MP	N-Nitroso-di-n-propylamine	0.803	0.000	100.0#	0#	-5.11#
20	T	4-Methylphenol	1.120	0.000	100.0#	0#	-5.10#
21	I	Naphthalene-d8	1.000	1.000	0.0	94	0.00
22	S	Nitrobenzene-d5	0.311	0.000	100.0#	0#	-5.25#
23	T	Nitrobenzene	0.312	0.000	100.0#	0#	-5.27#
24	T	Isophorone	0.489	0.000	100.0#	0#	-5.49#
25	TC	2-Nitrophenol	0.179	0.000	100.0#	0#	-5.56#
26	T	2,4-Dimethylphenol	0.282	0.000	100.0#	0#	-5.59#
27	T	Benzoic acid	* 10.000	0.000	100.0#	0	-5.66#
28	T	bis(2-Chloroethoxy)methane	0.359	0.000	100.0#	0#	-5.68#
29	TC	2,4-Dichlorophenol	0.265	0.000	100.0#	0#	-5.78#
30	M	1,2,4-Trichlorobenzene	0.282	0.000	100.0#	0#	-5.86#
31	T	Naphthalene	0.913	0.000	100.0#	0#	-5.94#
32	T	2-Chloroaniline	0.462	0.000	100.0#	0#	-5.53#
33	T	4-Chloroaniline	0.391	0.000	100.0#	0#	-5.99#
34	TC	Hexachlorobutadiene	0.145	0.000	100.0#	0#	-6.05#
35	T	Caprolactam	0.097	0.000	100.0#	0#	-6.30#
36	MC	4-Chloro-3-methylphenol	0.254	0.000	100.0#	0#	-6.44#
37	T	2-Methylnaphthalene	0.606	0.000	100.0#	0#	-6.60#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281622.D
Acq On : 28 Jul 2016 10:25 pm
Operator : BNA8:SF
Sample : CQ807281603
Misc : WG919318,MSAJ83
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 01 13:30:04 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 13:26:51 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	I	Acenaphthene-d10	1.000	1.000	0.0	93	0.00
39	T	1,2,4,5-Tetrachlorobenzene	0.561	0.000	100.0#	0#	-6.76#
40	TP	Hexachlorocyclopentadiene	0.277	0.000	100.0#	0#	-6.75#
41	TC	2,4,6-Trichlorophenol	0.389	0.000	100.0#	0#	-6.87#
42	T	2,4,5-Trichlorophenol	0.392	0.000	100.0#	0#	-6.90#
43	S	2-Fluorobiphenyl	1.322	0.000	100.0#	0#	-6.95#
44	T	Biphenyl	1.593	0.000	100.0#	0#	-7.05#
45	T	2-Chloronaphthalene	1.182	0.000	100.0#	0#	-7.07#
46	T	2-Nitroaniline	0.323	0.000	100.0#	0#	-7.17#
47	T	Acenaphthylene	1.934	0.000	100.0#	0#	-7.48#
48	T	Dimethylphthalate	1.290	0.000	100.0#	0#	-7.35#
49	T	2,6-Dinitrotoluene	0.300	0.000	100.0#	0#	-7.41#
50	MC	Acenaphthene	1.196	0.000	100.0#	0#	-7.65#
51	T	3-Nitroaniline	0.346	0.000	100.0#	0#	-7.57#
52	TP	2,4-Dinitrophenol	* 10.000	0.000	100.0#	0	-7.68#
53	T	Dibenzofuran	1.571	0.000	100.0#	0#	-7.83#
54		2,3,4,6-Tetrachlorophenol	0.278	0.000	100.0#	0#	-7.96#
55	M	2,4-Dinitrotoluene	0.387	0.000	100.0#	0#	-7.81#
56	MP	4-Nitrophenol	0.169	0.000	100.0#	0#	-7.74#
57	T	Fluorene	1.256	0.000	100.0#	0#	-8.21#
58	T	4-Chlorophenyl-phenylether	0.573	0.000	100.0#	0#	-8.20#
59	T	Diethylphthalate	1.328	0.000	100.0#	0#	-8.08#
60	T	4-Nitroaniline	0.348	0.000	100.0#	0#	-8.23#
61	I	Phenanthrene-d10	1.000	1.000	0.0	91	0.00
62	T	4,6-Dinitro-2-methylphenol	0.136	0.000	100.0#	0#	-8.26#
63	T	Azobenzene	0.192	0.000	100.0#	0#	-8.39#
64	TC	n-Nitrosodiphenylamine	0.485	0.000	100.0#	0#	-8.34#
65	S	2,4,6-Tribromophenol	0.067	0.000	100.0#	0#	-8.49#
66	T	4-Bromophenyl-phenylether	0.171	0.000	100.0#	0#	-8.80#
67	T	Hexachlorobenzene	0.175	0.000	100.0#	0#	-8.88#
68	T	Atrazine	0.195	0.000	100.0#	0#	-9.03#
69	MC	Pentachlorophenol	0.130	0.000	100.0#	0#	-9.15#
70	T	Pentachloronitrobenzene	0.075	0.000	100.0#	0#	-9.16#
71	T	Phenanthrene	1.007	0.000	100.0#	0#	-9.46#
72	T	Anthracene	0.998	0.000	100.0#	0#	-9.53#
73	T	Carbazole	0.943	0.000	100.0#	0#	-9.79#
74	T	Di-n-butylphthalate	1.184	0.000	100.0#	0#	-10.41#
75	TC	Fluoranthene	1.073	0.000	100.0#	0#	-11.51#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281622.D
Acq On : 28 Jul 2016 10:25 pm
Operator : BNA8:SF
Sample : CQ807281603
Misc : WG919318,MSAJ83
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 01 13:30:04 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 13:26:51 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
76	I	Chrysene-d12	1.000	1.000	0.0	84	0.00
77	T	Benzidine	0.803	0.000	100.0#	0#	-11.84#
78	M	Pyrene	1.214	0.000	100.0#	0#	-11.96#
79	S	Terphenyl-d14	0.708	0.000	100.0#	0#	-12.36#
80	T	Butylbenzylphthalate	0.590	0.000	100.0#	0#	-13.54#
81	T	3,3'-Dichlorobenzidine	0.396	0.000	100.0#	0#	-14.69#
82	T	Benz[a]anthracene	1.058	0.000	100.0#	0#	-14.65#
83	T	Chrysene	1.064	0.000	100.0#	0#	-14.74#
84	T	bis(2-Ethylhexyl)phthalate	0.770	0.000	100.0#	0#	-15.01#
85	I	Perylene-d12	1.000	1.000	0.0	86	0.00
86	TC	Di-n-octylphthalate	1.448	0.000	100.0#	0#	-16.52#
87	T	Benzo[b]fluoranthene	1.066	0.000	100.0#	0#	-17.04#
88	T	Benzo[k]fluoranthene	1.059	0.000	100.0#	0#	-17.10#
89	TC	Benzo[a]pyrene	1.038	0.000	100.0#	0#	-17.66#
90	T	Indeno[1,2,3-cd]pyrene	0.847	0.000	100.0#	0#	-19.58#
91	T	Dibenz[a,h]anthracene	0.858	0.000	100.0#	0#	-19.63#
92	T	Benzo[g,h,i]perylene	0.953	0.000	100.0#	0#	-20.01#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 13

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281622.D
Acq On : 28 Jul 2016 10:25 pm
Operator : BNA8:SF
Sample : CQ807281603
Misc : WG919318,MSAJ83
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 01 13:30:04 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 13:26:51 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.760	152	298620	5.000	ug/mL	0.00
21) Naphthalene-d8	5.920	136	1151550	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.615	164	548166	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.421	188	1004737	5.000	ug/mL	0.00
76) Chrysene-d12	14.675	240	887927	5.000	ug/mL	0.00
85) Perylene-d12	17.771	264	833510	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.	d	
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.399	77	598723M4	10.192	ug/ml	
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	0.000		0	N.D.		
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.	d	
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281622.D
Acq On : 28 Jul 2016 10:25 pm
Operator : BNA8:SF
Sample : CQ807281603
Misc : WG919318,MSAJ83
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 01 13:30:04 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 13:26:51 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.		
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	0.000		0	N.D.		
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.		
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		d
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281622.D
Acq On : 28 Jul 2016 10:25 pm
Operator : BNA8:SF
Sample : CQ807281603
Misc : WG919318,MSAJ83
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 01 13:30:04 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 13:26:51 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.		
72) Anthracene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	0.000		0	N.D.	d	
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	0.000		0	N.D.	d	
83) Chrysene	0.000		0	N.D.	d	
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D.	d	
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

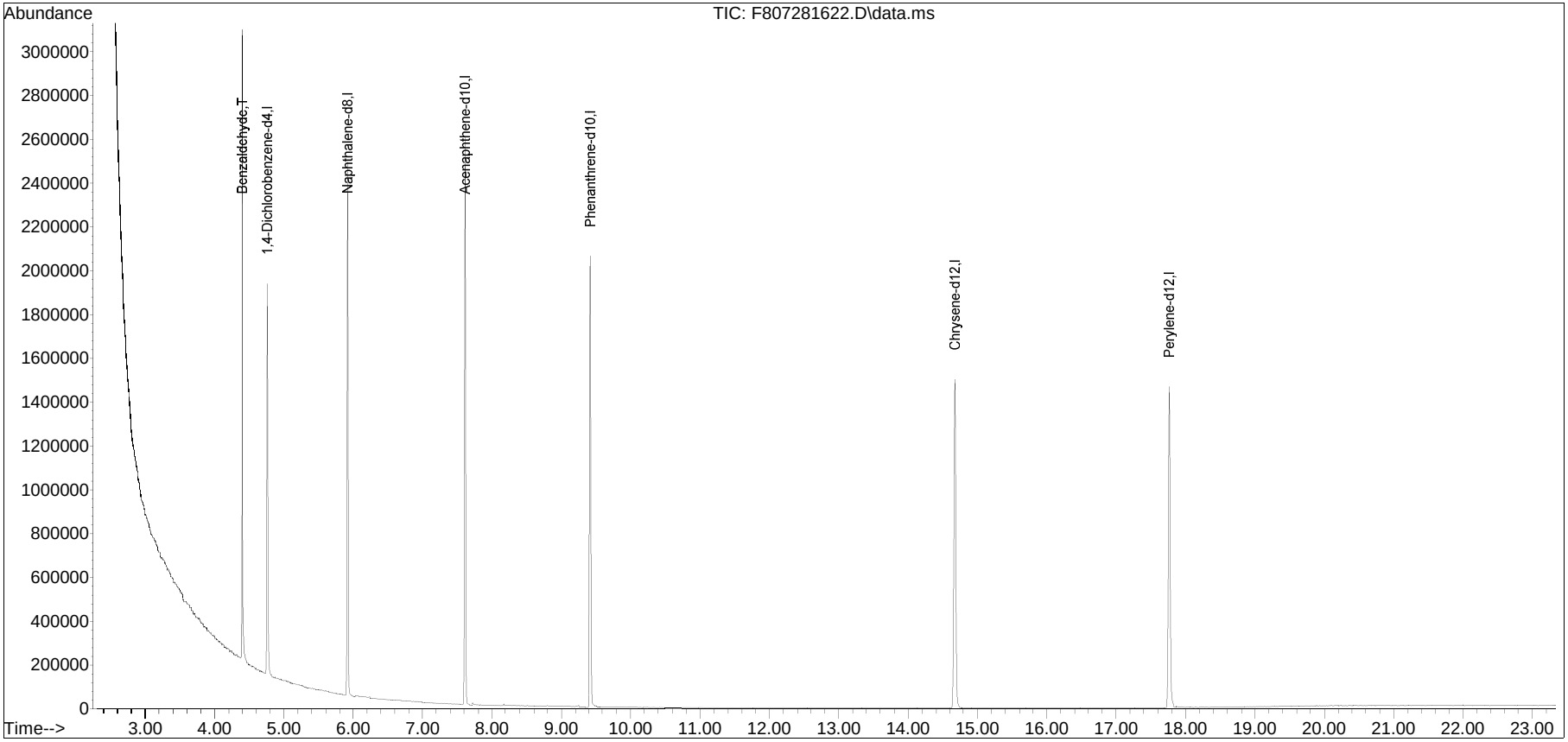
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281622.D
Acq On : 28 Jul 2016 10:25 pm
Operator : BNA8:SF
Sample : CQ807281603
Misc : WG919318,MSAJ83
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 01 13:30:04 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 13:26:51 2016
Response via : Initial Calibration

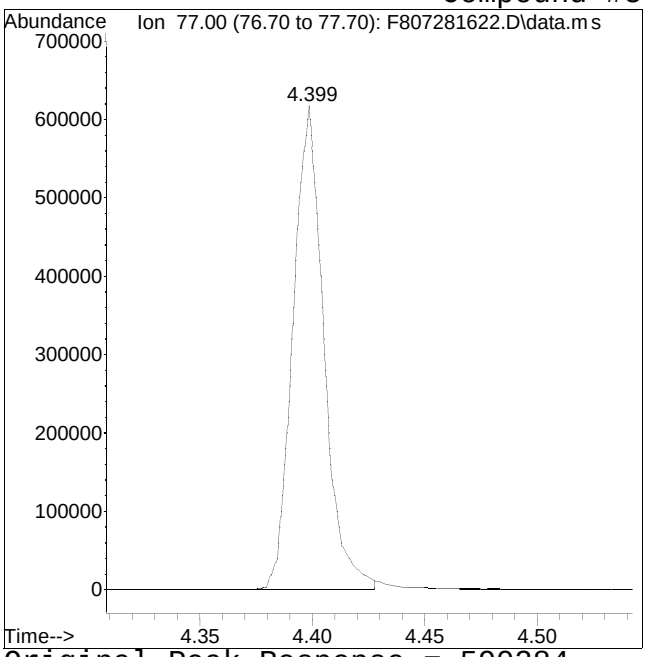
Sub List : Default - All compounds listed

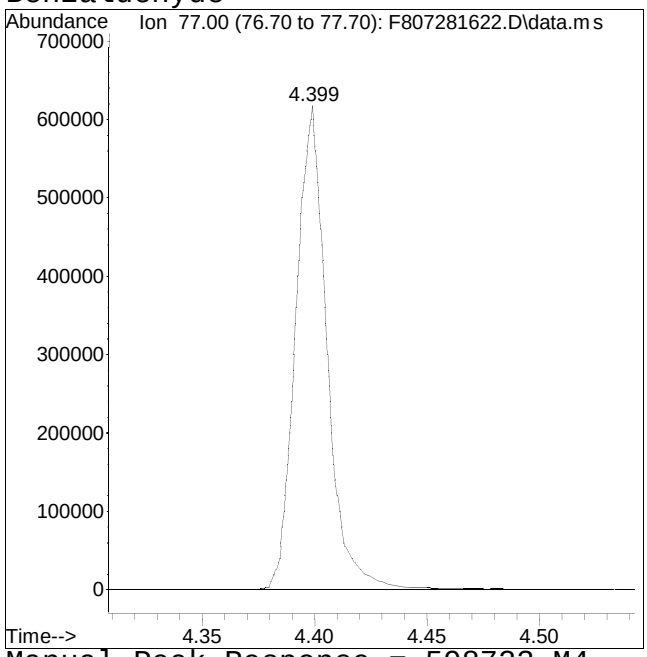


Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\BNA8\2016\ Method : SV0728BNA8.M
Data File : F807281622.D Operator : BNA8:SF
Date Inj'd : 7/28/2016 10:25 pm Instrument : BNA8
Sample : CQ807281603 Quant Date : 8/1/2016 1:27 pm

Compound #5: Benzaldehyde





Original Peak Response = 590284 Manual Peak Response = 598723 M4
M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281623.D
Acq On : 28 Jul 2016 10:57 pm
Operator : BNA8:SF
Sample : CQ807281604
Misc : WG919318,MSAI61
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 01 13:30:47 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 13:26:51 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
2	T	N-Nitrosodimethylamine	0.643	0.000	100.0#	0#	-2.81#
3	t	Pyridine	1.222	0.000	100.0#	0#	-2.82#
4	S	2-Fluorophenol	1.202	0.000	100.0#	0#	-3.70#
5	T	Benzaldehyde	0.984	0.000	100.0#	0#	-4.39#
6	T	Aniline	1.856	0.000	100.0#	0#	-4.48#
7	T	bis(2-Chloroethyl)ether	0.813	0.000	100.0#	0#	-4.52#
8	S	Phenol-d5	1.456	0.000	100.0#	0#	-4.42#
9	MC	Phenol	1.511	0.000	100.0#	0#	-4.43#
10	M	2-Chlorophenol	1.308	0.000	100.0#	0#	-4.58#
11	T	1,3-Dichlorobenzene	1.435	0.000	100.0#	0#	-4.71#
12	MC	1,4-Dichlorobenzene	1.432	0.000	100.0#	0#	-4.77#
13	T	1,2-Dichlorobenzene	1.361	0.000	100.0#	0#	-4.91#
14	T	Benzyl alcohol	0.795	0.000	100.0#	0#	-4.87#
15	T	bis(2-chloroisopropyl)ether	1.462	0.000	100.0#	0#	-4.99#
16	T	2-Methylphenol	1.028	0.000	100.0#	0#	-4.96#
17	T	Acetophenone	1.638	0.000	100.0#	0#	-5.11#
18	T	Hexachloroethane	0.583	0.000	100.0#	0#	-5.21#
19	MP	N-Nitroso-di-n-propylamine	0.803	0.000	100.0#	0#	-5.11#
20	T	4-Methylphenol	1.120	0.000	100.0#	0#	-5.10#
21	I	Naphthalene-d8	1.000	1.000	0.0	102	0.00
22	S	Nitrobenzene-d5	0.311	0.000	100.0#	0#	-5.25#
23	T	Nitrobenzene	0.312	0.000	100.0#	0#	-5.27#
24	T	Isophorone	0.489	0.000	100.0#	0#	-5.49#
25	TC	2-Nitrophenol	0.179	0.000	100.0#	0#	-5.56#
26	T	2,4-Dimethylphenol	0.282	0.000	100.0#	0#	-5.59#
27	T	Benzoic acid	* 10.000	9.513	4.9	96	0.02
28	T	bis(2-Chloroethoxy)methane	0.359	0.000	100.0#	0#	-5.68#
29	TC	2,4-Dichlorophenol	0.265	0.000	100.0#	0#	-5.78#
30	M	1,2,4-Trichlorobenzene	0.282	0.000	100.0#	0#	-5.86#
31	T	Naphthalene	0.913	0.000	100.0#	0#	-5.94#
32	T	2-Chloroaniline	0.462	0.000	100.0#	0#	-5.53#
33	T	4-Chloroaniline	0.391	0.000	100.0#	0#	-5.99#
34	TC	Hexachlorobutadiene	0.145	0.000	100.0#	0#	-6.05#
35	T	Caprolactam	0.097	0.000	100.0#	0#	-6.30#
36	MC	4-Chloro-3-methylphenol	0.254	0.000	100.0#	0#	-6.44#
37	T	2-Methylnaphthalene	0.606	0.000	100.0#	0#	-6.60#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281623.D
Acq On : 28 Jul 2016 10:57 pm
Operator : BNA8:SF
Sample : CQ807281604
Misc : WG919318,MSAI61
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 01 13:30:47 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 13:26:51 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	I	Acenaphthene-d10	1.000	1.000	0.0	103	0.00
39	T	1,2,4,5-Tetrachlorobenzene	0.561	0.000	100.0#	0#	-6.76#
40	TP	Hexachlorocyclopentadiene	0.277	0.000	100.0#	0#	-6.75#
41	TC	2,4,6-Trichlorophenol	0.389	0.000	100.0#	0#	-6.87#
42	T	2,4,5-Trichlorophenol	0.392	0.000	100.0#	0#	-6.90#
43	S	2-Fluorobiphenyl	1.322	0.000	100.0#	0#	-6.95#
44	T	Biphenyl	1.593	0.000	100.0#	0#	-7.05#
45	T	2-Chloronaphthalene	1.182	0.000	100.0#	0#	-7.07#
46	T	2-Nitroaniline	0.323	0.000	100.0#	0#	-7.17#
47	T	Acenaphthylene	1.934	0.000	100.0#	0#	-7.48#
48	T	Dimethylphthalate	1.290	0.000	100.0#	0#	-7.35#
49	T	2,6-Dinitrotoluene	0.300	0.000	100.0#	0#	-7.41#
50	MC	Acenaphthene	1.196	0.000	100.0#	0#	-7.65#
51	T	3-Nitroaniline	0.346	0.000	100.0#	0#	-7.57#
52	TP	2,4-Dinitrophenol	* 10.000	0.000	100.0#	0	-7.68#
53	T	Dibenzofuran	1.571	0.000	100.0#	0#	-7.83#
54		2,3,4,6-Tetrachlorophenol	0.278	0.000	100.0#	0#	-7.96#
55	M	2,4-Dinitrotoluene	0.387	0.000	100.0#	0#	-7.81#
56	MP	4-Nitrophenol	0.169	0.000	100.0#	0#	-7.74#
57	T	Fluorene	1.256	0.000	100.0#	0#	-8.21#
58	T	4-Chlorophenyl-phenylether	0.573	0.000	100.0#	0#	-8.20#
59	T	Diethylphthalate	1.328	0.000	100.0#	0#	-8.08#
60	T	4-Nitroaniline	0.348	0.000	100.0#	0#	-8.23#
61	I	Phenanthrene-d10	1.000	1.000	0.0	102	0.00
62	T	4,6-Dinitro-2-methylphenol	0.136	0.000	100.0#	0#	-8.26#
63	T	Azobenzene	0.192	0.000	100.0#	0#	-8.39#
64	TC	n-Nitrosodiphenylamine	0.485	0.000	100.0#	0#	-8.34#
65	S	2,4,6-Tribromophenol	0.067	0.000	100.0#	0#	-8.49#
66	T	4-Bromophenyl-phenylether	0.171	0.000	100.0#	0#	-8.80#
67	T	Hexachlorobenzene	0.175	0.000	100.0#	0#	-8.88#
68	T	Atrazine	0.195	0.000	100.0#	0#	-9.03#
69	MC	Pentachlorophenol	0.130	0.000	100.0#	0#	-9.15#
70	T	Pentachloronitrobenzene	0.075	0.000	100.0#	0#	-9.16#
71	T	Phenanthrene	1.007	0.000	100.0#	0#	-9.46#
72	T	Anthracene	0.998	0.000	100.0#	0#	-9.53#
73	T	Carbazole	0.943	0.000	100.0#	0#	-9.79#
74	T	Di-n-butylphthalate	1.184	0.000	100.0#	0#	-10.41#
75	TC	Fluoranthene	1.073	0.000	100.0#	0#	-11.51#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281623.D
Acq On : 28 Jul 2016 10:57 pm
Operator : BNA8:SF
Sample : CQ807281604
Misc : WG919318,MSAI61
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 01 13:30:47 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 13:26:51 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
76	I	Chrysene-d12	1.000	1.000	0.0	97	0.00
77	T	Benzidine	0.803	0.000	100.0#	0#	-11.84#
78	M	Pyrene	1.214	0.000	100.0#	0#	-11.96#
79	S	Terphenyl-d14	0.708	0.000	100.0#	0#	-12.36#
80	T	Butylbenzylphthalate	0.590	0.000	100.0#	0#	-13.54#
81	T	3,3'-Dichlorobenzidine	0.396	0.000	100.0#	0#	-14.69#
82	T	Benz[a]anthracene	1.058	0.000	100.0#	0#	-14.65#
83	T	Chrysene	1.064	0.000	100.0#	0#	-14.74#
84	T	bis(2-Ethylhexyl)phthalate	0.770	0.000	100.0#	0#	-15.01#
85	I	Perylene-d12	1.000	1.000	0.0	98	0.00
86	TC	Di-n-octylphthalate	1.448	0.000	100.0#	0#	-16.52#
87	T	Benzo[b]fluoranthene	1.066	0.000	100.0#	0#	-17.04#
88	T	Benzo[k]fluoranthene	1.059	0.000	100.0#	0#	-17.10#
89	TC	Benzo[a]pyrene	1.038	0.000	100.0#	0#	-17.66#
90	T	Indeno[1,2,3-cd]pyrene	0.847	0.000	100.0#	0#	-19.58#
91	T	Dibenz[a,h]anthracene	0.858	0.000	100.0#	0#	-19.63#
92	T	Benzo[g,h,i]perylene	0.953	0.000	100.0#	0#	-20.01#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 13

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281623.D
Acq On : 28 Jul 2016 10:57 pm
Operator : BNA8:SF
Sample : CQ807281604
Misc : WG919318,MSAI61
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 01 13:30:47 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 13:26:51 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.765	152	335442	5.000	ug/mL	0.00
21) Naphthalene-d8	5.920	136	1260993	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.615	164	605854	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.421	188	1128567	5.000	ug/mL	0.00
76) Chrysene-d12	14.675	240	1021079	5.000	ug/mL	0.00
85) Perylene-d12	17.771	264	946414	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0d	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		

Target Compounds			Qvalue
2) N-Nitrosodimethylamine	0.000	0	N.D.
3) Pyridine	0.000	0	N.D.
5) Benzaldehyde	0.000	0	N.D.
6) Aniline	0.000	0	N.D.
7) bis(2-Chloroethyl)ether	0.000	0	N.D.
9) Phenol	0.000	0	N.D.
10) 2-Chlorophenol	0.000	0	N.D.
11) 1,3-Dichlorobenzene	0.000	0	N.D.
12) 1,4-Dichlorobenzene	0.000	0	N.D.
13) 1,2-Dichlorobenzene	0.000	0	N.D.
14) Benzyl alcohol	0.000	0	N.D.
15) bis(2-chloroisopropyl)eth	0.000	0	N.D.
16) 2-Methylphenol	0.000	0	N.D.
17) Acetophenone	0.000	0	N.D.
18) Hexachloroethane	0.000	0	N.D.
19) N-Nitroso-di-n-propylamin	0.000	0	N.D.
20) 4-Methylphenol	0.000	0	N.D.
23) Nitrobenzene	0.000	0	N.D.

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281623.D
Acq On : 28 Jul 2016 10:57 pm
Operator : BNA8:SF
Sample : CQ807281604
Misc : WG919318,MSAI61
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 01 13:30:47 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 13:26:51 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D. d		
27) Benzoic acid	5.685	105	502570	9.513	ug/mL	94
28) bis(2-Chloroethoxy)methan	0.000		0	N.D. d		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	0.000		0	N.D.		
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.		
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D. d		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281623.D
Acq On : 28 Jul 2016 10:57 pm
Operator : BNA8:SF
Sample : CQ807281604
Misc : WG919318,MSAI61
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 01 13:30:47 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 13:26:51 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.		
72) Anthracene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	0.000		0	N.D.		
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	0.000		0	N.D.		d
83) Chrysene	0.000		0	N.D.		d
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.		
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D.		d
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

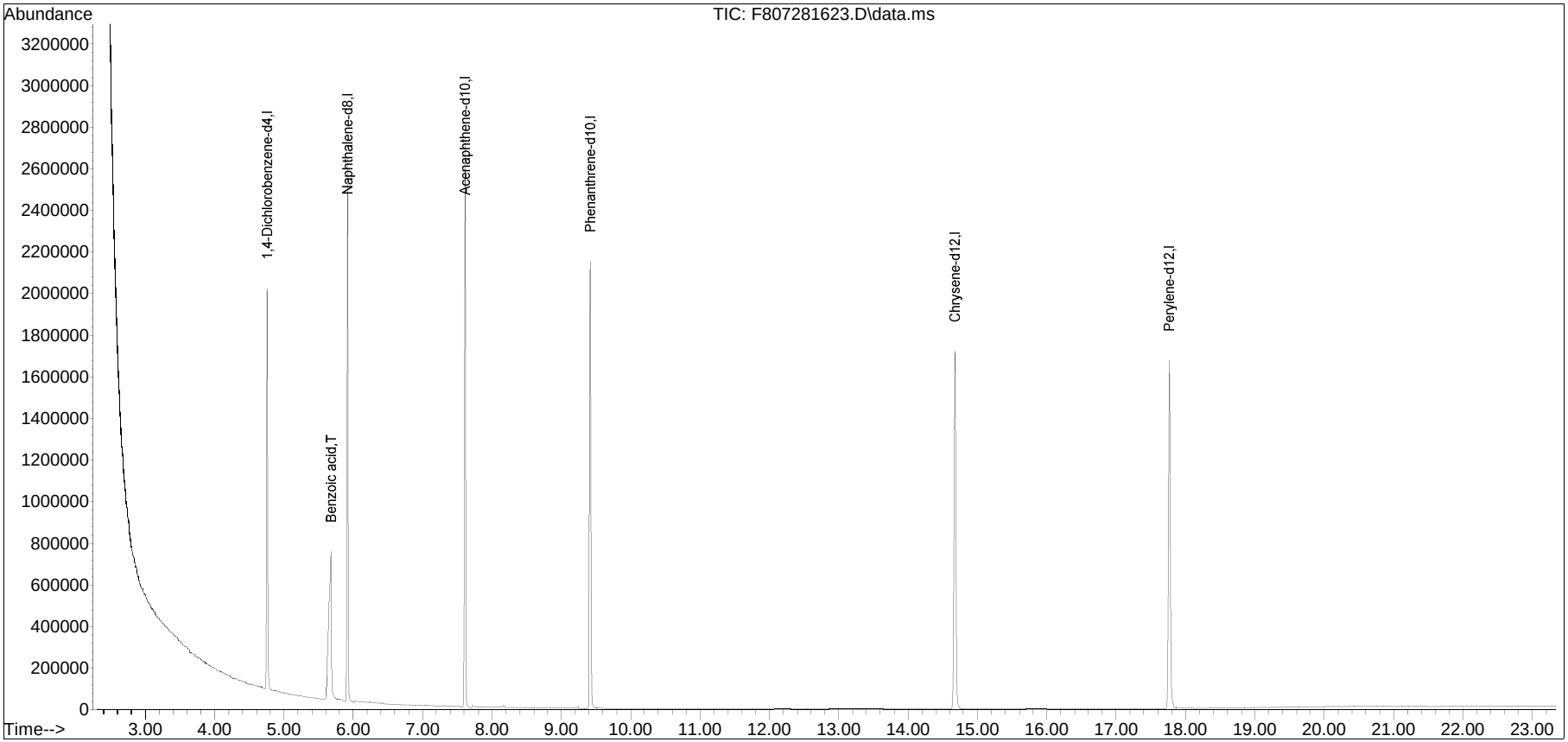
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Jul\Jul28\
Data File : F807281623.D
Acq On : 28 Jul 2016 10:57 pm
Operator : BNA8:SF
Sample : CQ807281604
Misc : WG919318,MSAI61
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 01 13:30:47 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Jul\Jul28\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 01 13:26:51 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\BNA8\2016\	QMethod	: SV0728BNA8.M
Data File	: F807281623.D	Operator	: BNA8:SF
Date Inj'd	: 7/28/2016 10:57 pm	Instrument	: BNA8
Sample	: CQ807281604	Quant Date	: 8/1/2016 1:27 pm

There are no manual integrations or false positives in this file.

Work Group

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 19 2016, 12:11 pm

Work Group: WG923180 for Department: 2 Organic Preparation

Created: 16-AUG-16 Due: Operator: DR

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1625236-01	EB 20160811	S	A2-SVOC-8270	WATER	DONE	U	0818	0819	2E	Amber-A1
L1625236-02	SW1A-20160810	S	A2-SVOC-8270	WATER	DONE	U	0817	0819	2E	Amber-A1
L1625236-03	SW1B-20160810	S	A2-SVOC-8270	WATER	DONE	U	0817	0819	2E	Amber-A1
L1625236-04	SW1C-20160810	S	A2-SVOC-8270	WATER	DONE	U	0817	0819	2E	Amber-A1
L1625236-05	SW2A-20160810	S	A2-SVOC-8270	WATER	DONE	U	0817	0819	2E	Amber-A1
L1625236-06	SW2B-20160810	S	A2-SVOC-8270	WATER	DONE	U	0817	0819	2E	Amber-A1
L1625236-07	SW2C-20160810	S	A2-SVOC-8270	WATER	DONE	U	0817	0819	2E	Amber-A1
L1625236-08	SW3A-20160810	S	A2-SVOC-8270	WATER	DONE	U	0817	0819	2E	Amber-A1
L1625236-09	SW3B-20160810	S	A2-SVOC-8270	WATER	DONE	U	0817	0819	2E	Amber-A1
L1625236-10	SW3C-20160810	S	A2-SVOC-8270	WATER	DONE	U	0817	0819	2E	Amber-A1
L1625236-11	DUP-20160810	S	A2-SVOC-8270	WATER	DONE	U	0817	0819	2E	Amber-A1
WG923180-1	Laboratory Method Bl	S	A2-SVOC-8270	WATER	DONE	U				
WG923180-2	Laboratory Control S	S	A2-SVOC-8270	WATER	DONE	U				
WG923180-3	LCS Duplicate	S	A2-SVOC-8270	WATER	DONE	U				
WG923180-4	Matrix Spike	S	A2-SVOC-8270	WATER	DONE	U				
WG923180-5	Matrix Spike Duplica	S	A2-SVOC-8270	WATER	DONE	U				

Comments:

WG923180-3	WG923180-2
WG923180-4	L1625236-03
WG923180-5	L1625236-03

Sequence Logs

Analysis log File

Total Files Reported in Log : 23
Log Generated From Directory: O:\Organics\DATA\BNA8\2016\Jul\Jul28\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F807281601.D	8270BNA8.M	TUNE	MSAJ70	7/28/2016 8:53 am
2	F807281602.D	8270BNA8.M	CCV-1	MSAK08	7/28/2016 9:24 am
3	F807281603.D	8270BNA8.M	CCV-2	MSAJ90	7/28/2016 9:56 am
4	F807281604.D	8270BNA8.M	T807281601	WG919318,MSAJ70	7/28/2016 12:29 pm
5	F807281605.D	8270BNA8.M	I807281601	WG919318,MSAK12	7/28/2016 1:01 pm
6	F807281606.D	8270BNA8.M	I807281602	WG919318,MSAK11	7/28/2016 1:34 pm
7	F807281607.D	8270BNA8.M	I807281603	WG919318,MSAK10	7/28/2016 2:06 pm
8	F807281608.D	8270BNA8.M	I807281604	WG919318,MSAK09	7/28/2016 2:40 pm
9	F807281609.D	8270BNA8.M	I807281605	WG919318,MSAK08	7/28/2016 3:13 pm
10	F807281610.D	8270BNA8.M	I807281606	WG919318,MSAK07	7/28/2016 3:46 pm
11	F807281611.D	8270BNA8.M	I807281607	WG919318,MSAK06	7/28/2016 4:20 pm
12	F807281612.D	8270BNA8.M	I807281608	WG919318,MSAK04,X2	7/28/2016 4:54 pm
13	F807281613.D	8270BNA8.M	I807281609	WG919318,MSAI85	7/28/2016 5:27 pm
14	F807281614.D	8270BNA8.M	I807281610	WG919318,MSAI84	7/28/2016 6:00 pm
15	F807281615.D	8270BNA8.M	I807281611	WG919318,MSAI83	7/28/2016 6:34 pm
16	F807281616.D	8270BNA8.M	I807281612	WG919318,MSAI82	7/28/2016 7:07 pm
17	F807281617.D	8270BNA8.M	I807281613	WG919318,MSAJ90	7/28/2016 7:40 pm
18	F807281618.D	8270BNA8.M	I807281614	WG919318,MSAI80	7/28/2016 8:13 pm
19	F807281619.D	8270BNA8.M	I807281615	WG919318,MSAI79	7/28/2016 8:46 pm
20	F807281620.D	8270BNA8.M	CQ807281601	WG919318,MSAI62	7/28/2016 9:19 pm
21	F807281621.D	8270BNA8.M	CQ807281602	WG919318,MSAJ17	7/28/2016 9:52 pm
22	F807281622.D	8270BNA8.M	CQ807281603	WG919318,MSAJ83	7/28/2016 10:25 pm
23	F807281623.D	8270BNA8.M	CQ807281604	WG919318,MSAI61	7/28/2016 10:57 pm

SeqLog 1.0 - (c) 2009 Abacus Database Applications

Analysis log File

Total Files Reported in Log : 20
Log Generated From Directory: O:\Organics\DATA\BNA8\2016\Aug\Aug17\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F808171601.D	8270BNA8.M	WG923553-2	WG923553,MSAJ70,ICAL..	8/17/2016 9:19 am
2	F808171602.D	8270BNA8.M	WG923553-3	WG923553,MSAK08,ICAL..	8/17/2016 9:50 am
3	F808171603.D	8270BNA8.M	WG923553-4	WG923553,MSAJ90,ICAL..	8/17/2016 10:23 am
4	F808171604.D	8270BNA8.M	WG923180-1	WG923553,WG923180,IC..	8/17/2016 12:28 pm
5	F808171605.D	8270BNA8.M	WG923180-2	WG923553,WG923180,IC..	8/17/2016 1:00 pm
6	F808171606.D	8270BNA8.M	WG923180-3	WG923553,WG923180,IC..	8/17/2016 1:33 pm
7	F808171607.D	8270BNA8.M	MSAK43,X10	WG923553,WG923180,IC..	8/17/2016 2:06 pm
8	F808171608.D	8270BNA8.M	L1625236-01	WG923553,WG923180,IC..	8/17/2016 2:39 pm
9	F808171609.D	8270BNA8.M	L1625236-02	WG923553,WG923180,IC..	8/17/2016 3:12 pm
10	F808171610.D	8270BNA8.M	L1625236-03	WG923553,WG923180,IC..	8/17/2016 3:45 pm
11	F808171611.D	8270BNA8.M	WG923180-4	WG923553,WG923180,IC..	8/17/2016 4:18 pm
12	F808171612.D	8270BNA8.M	WG923180-5	WG923553,WG923180,IC..	8/17/2016 4:50 pm
13	F808171613.D	8270BNA8.M	L1625236-04	WG923553,WG923180,IC..	8/17/2016 5:23 pm
14	F808171614.D	8270BNA8.M	L1625236-05	WG923553,WG923180,IC..	8/17/2016 5:56 pm
15	F808171615.D	8270BNA8.M	L1625236-06	WG923553,WG923180,IC..	8/17/2016 6:28 pm
16	F808171616.D	8270BNA8.M	L1625236-07	WG923553,WG923180,IC..	8/17/2016 7:00 pm
17	F808171617.D	8270BNA8.M	L1625236-08	WG923553,WG923180,IC..	8/17/2016 7:32 pm
18	F808171618.D	8270BNA8.M	L1625236-09	WG923553,WG923180,IC..	8/17/2016 8:04 pm
19	F808171619.D	8270BNA8.M	L1625236-10	WG923553,WG923180,IC..	8/17/2016 8:36 pm
20	F808171620.D	8270BNA8.M	L1625236-11	WG923553,WG923180,IC..	8/17/2016 9:08 pm

SeqLog 1.0 - (c) 2009 Abacus Database Applications

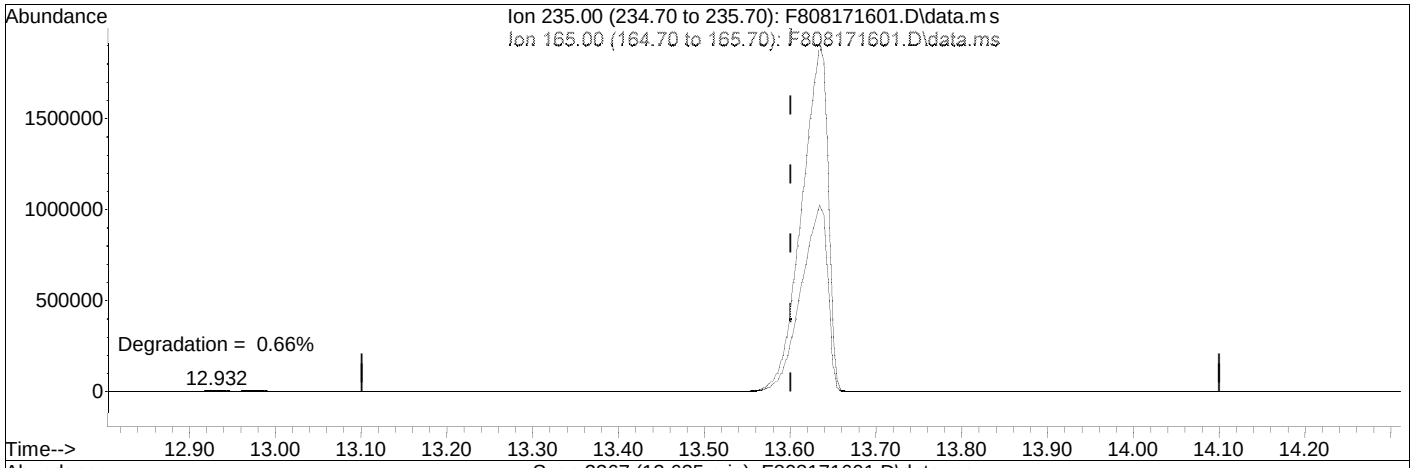
Analytical Event

Degradation Check Standard

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171601.D
Acq On : 17 Aug 2016 9:19 am
Operator : BNA8:ML
Sample : WG923553-2
Misc : WG923553,MSAJ70,ICAL12703
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 18 17:47:51 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\DFTPPBNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 15:32:21 2016
Response via : Initial Calibration



CHROMtools TW G923553-2]

(4) DDT ( )

13.635min (+0.034) 0.00

response 3957996

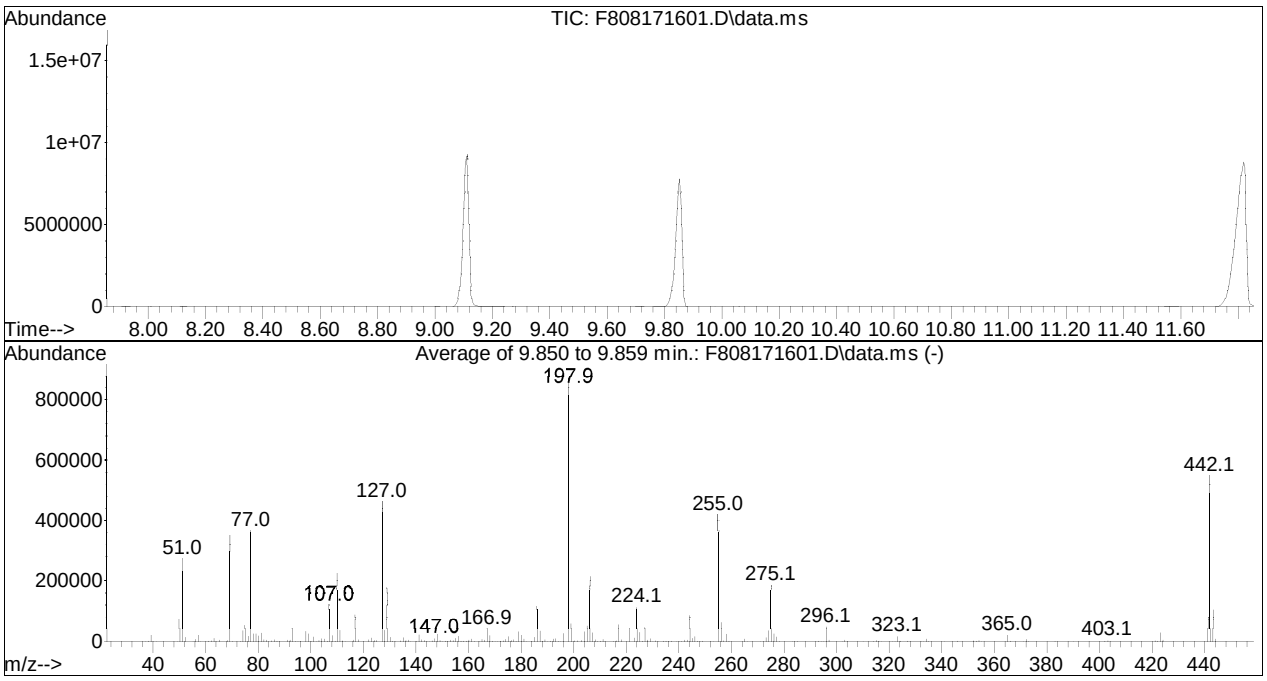
Ion	Exp%	Act%
235.00	100	100
165.00	52.80	54.91
0.00	0.00	0.00
0.00	0.00	0.00

Continuing Calibration
DFTPP Tune

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171601.D
Acq On : 17 Aug 2016 9:19 am
Operator : BNA8:ML
Sample : WG923553-1
Misc : WG923553,MSAJ70,ICAL12703
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\DFTPPBNA8.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Apr 30 16:06:20 2015



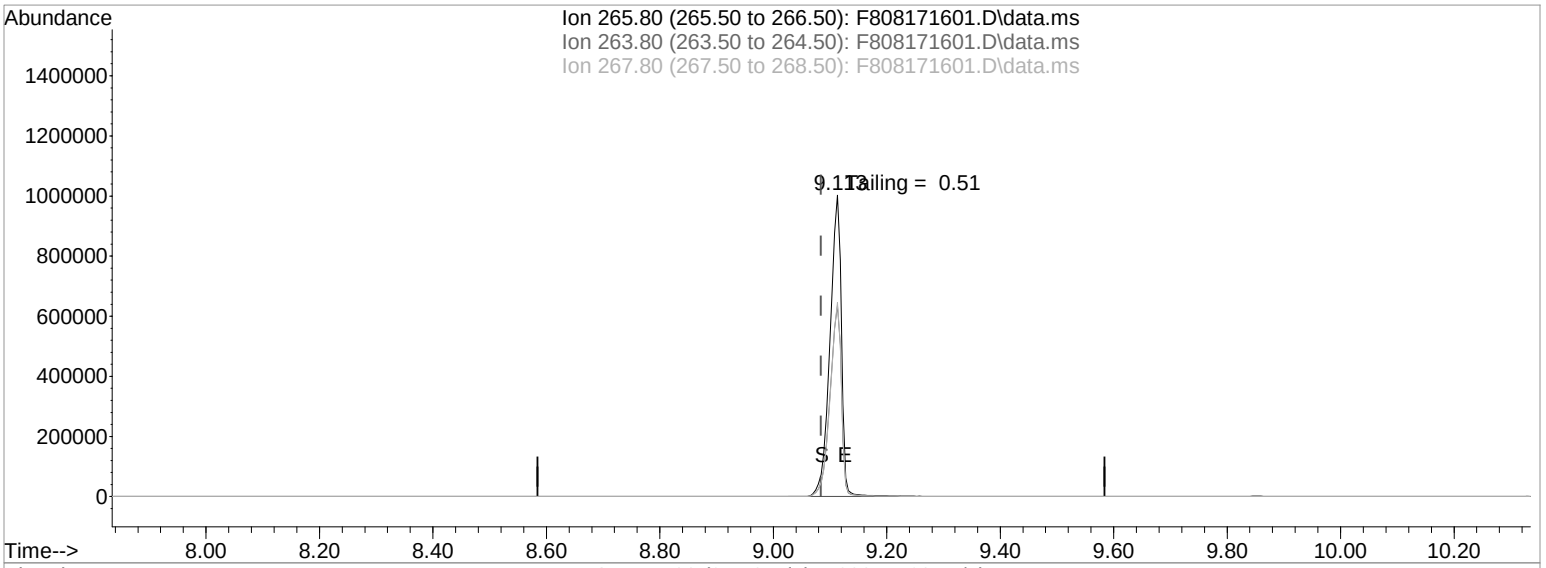
Spectrum Information: Average of 9.850 to 9.859 min.

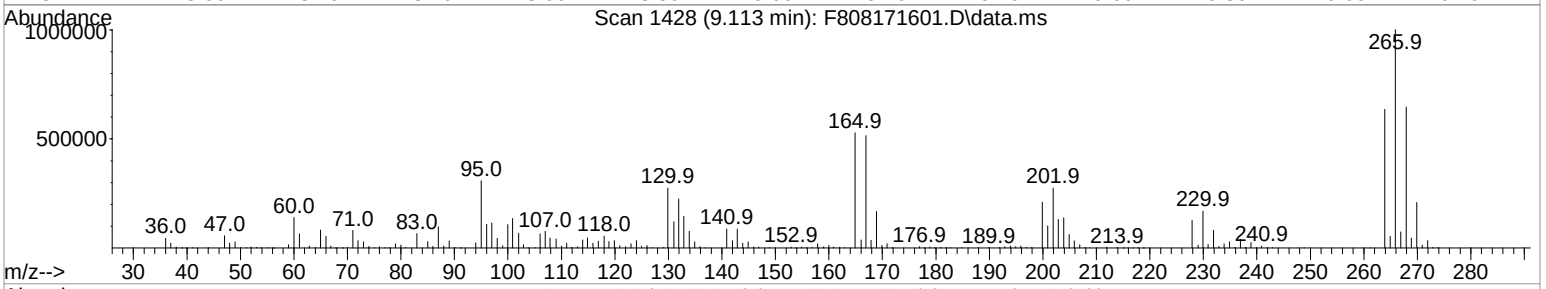
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	31.3	273085	PASS
68	69	0.00	2	1.6	5751	PASS
70	69	0.00	2	0.5	1765	PASS
127	198	10	80	53.0	462391	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	872928	PASS
199	198	5	9	6.6	57907	PASS
275	198	10	60	21.4	186496	PASS
365	198	1	100	2.3	20336	PASS
441	442	0.01	24	14.7	80563	PASS
442	198	50	100	62.9	548775	PASS
443	442	15	24	19.2	105291	PASS

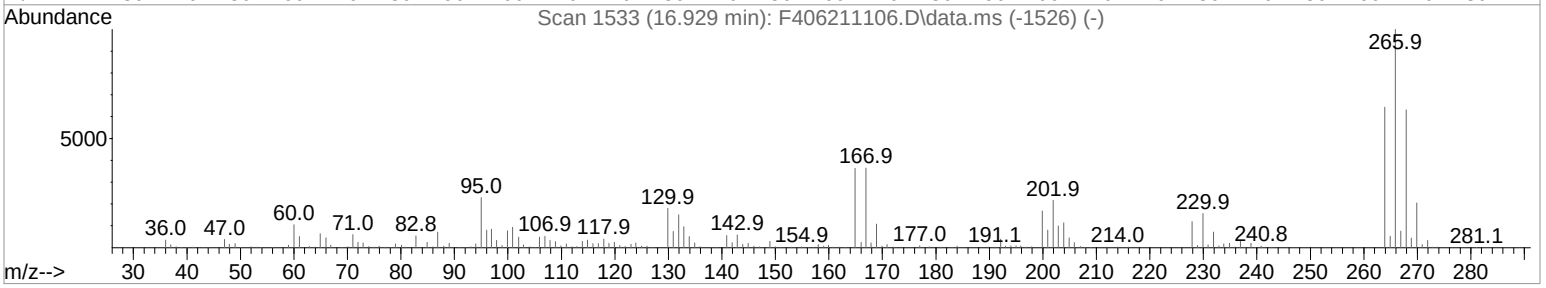
Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171601.D
Acq On : 17 Aug 2016 9:19 am
Operator : BNA8:ML
Sample : WG923553-2
Misc : WG923553,MSAJ70,ICAL12703
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 18 17:47:51 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\DFTPPBNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 15:32:21 2016
Response via : Initial Calibration







CHROMtools™ [WG923553-2]

(1) Pentachlorophenol (MC)

9.113min (+0.029) 26.59 ug/mL

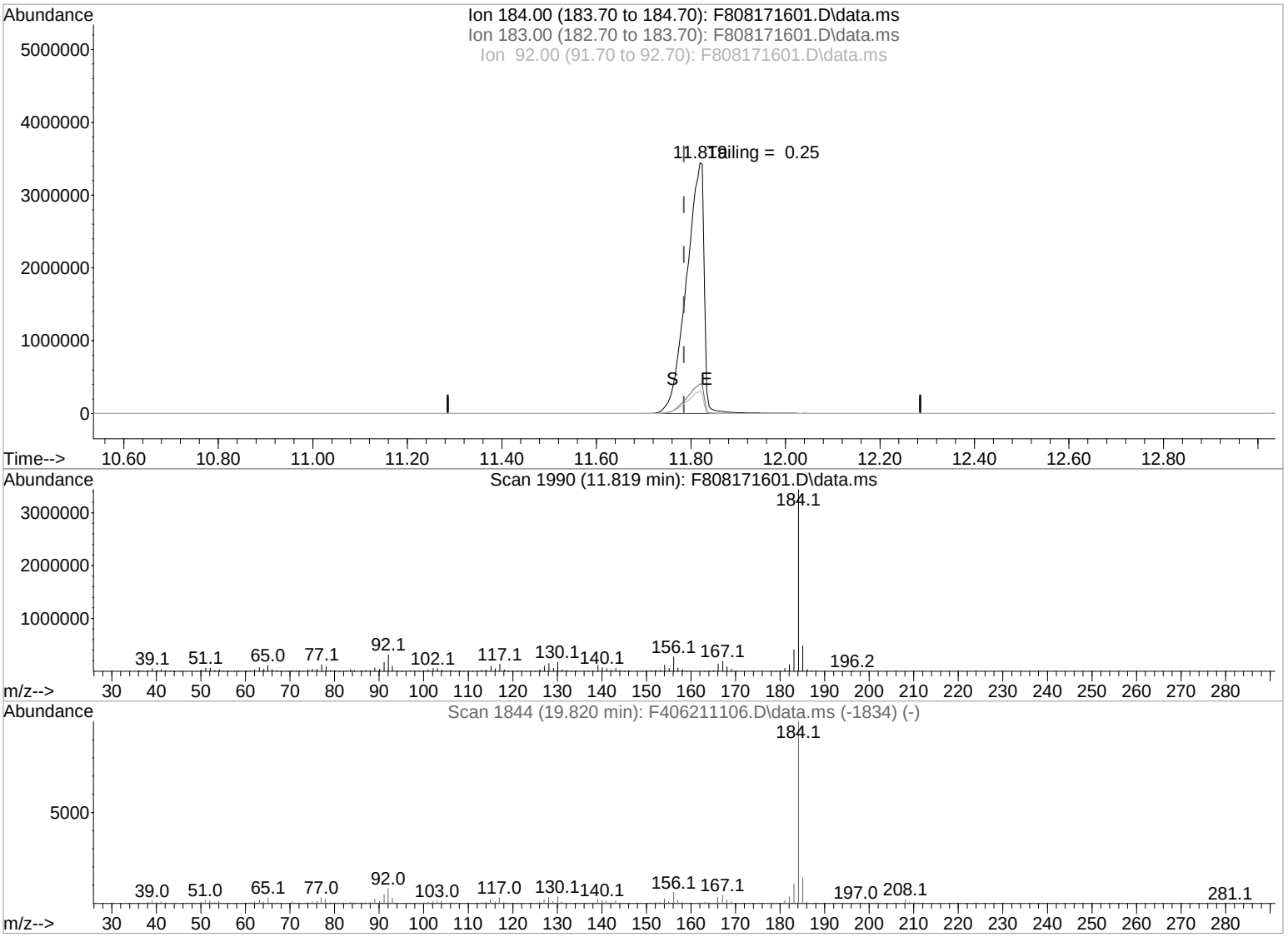
response 1391889 ~2 x >CAL (25)

Ion	Exp%	Act%
265.80	100	100
263.80	63.40	63.52
267.80	63.50	63.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171601.D
Acq On : 17 Aug 2016 9:19 am
Operator : BNA8:ML
Sample : WG923553-2
Misc : WG923553,MSAJ70,ICAL12703
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 18 17:47:51 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\DFTPPBNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 15:32:21 2016
Response via : Initial Calibration



CHROMtools™ [WG923553-2]

(3) Benzidine (T)

11.819min (+0.034) 108.99 ug/mL

response 8867746 ~5 x >CAL (25)

Ion	Exp%	Act%
184.00	100	100
183.00	11.80	11.60
92.00	9.60	8.61
0.00	0.00	0.00

Continuing Calibration

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171602.D
Acq On : 17 Aug 2016 9:50 am
Operator : BNA8:ML
Sample : WG923553-3
Misc : WG923553,MSAK08,ICAL12703
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 11:19:40 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
2	T	N-Nitrosodimethylamine	0.643	0.680	-5.8	94	0.00
3	t	Pyridine	1.222	1.277	-4.5	96	0.00
4	S	2-Fluorophenol	1.202	1.260	-4.8	93	0.00
5	T	Benzaldehyde	0.984	0.000	100.0#	0#	-4.36#
6	T	Aniline	1.856	1.789	3.6	87	0.00
7	T	bis(2-Chloroethyl)ether	0.813	0.831	-2.2	91	0.00
8	S	Phenol-d5	1.456	1.478	-1.5	89	0.00
9	MC	Phenol	1.511	1.515	-0.3#	88	0.00
10	M	2-Chlorophenol	1.308	1.327	-1.5	90	0.00
11	T	1,3-Dichlorobenzene	1.435	1.462	-1.9	90	0.00
12	MC	1,4-Dichlorobenzene	1.432	1.462	-2.1#	92	0.00
13	T	1,2-Dichlorobenzene	1.361	1.369	-0.6	90	0.00
14	T	Benzyl alcohol	0.795	0.802	-0.9	89	0.00
15	T	bis(2-chloroisopropyl)ether	1.462	1.476	-1.0	91	0.00
16	T	2-Methylphenol	1.028	1.020	0.8	88	0.00
17	T	Acetophenone	1.638	0.000	100.0#	0#	-5.07#
18	T	Hexachloroethane	0.583	0.613	-5.1	93	0.00
19	MP	N-Nitroso-di-n-propylamine	0.803	0.852	-6.1	93	0.00
20	T	4-Methylphenol	1.120	1.097	2.1	88	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	90	0.00
22	S	Nitrobenzene-d5	0.311	0.356	-14.5	99	0.00
23	T	Nitrobenzene	0.312	0.349	-11.9	97	0.00
24	T	Isophorone	0.489	0.532	-8.8	94	0.00
25	TC	2-Nitrophenol	0.179	0.194	-8.4#	91	0.00
26	T	2,4-Dimethylphenol	0.282	0.264	6.4	82	0.00
27	T	Benzoic acid	* 10.000	10.107	-1.1	94	0.00
28	T	bis(2-Chloroethoxy)methane	0.359	0.359	0.0	88	0.00
29	TC	2,4-Dichlorophenol	0.265	0.278	-4.9#	89	0.00
30	M	1,2,4-Trichlorobenzene	0.282	0.294	-4.3	91	0.00
31	T	Naphthalene	0.913	0.947	-3.7	90	0.00
32	T	2-Chloroaniline	0.462	0.480	-3.9	90	0.00
33	T	4-Chloroaniline	0.391	0.405	-3.6	91	0.00
34	TC	Hexachlorobutadiene	0.145	0.161	-11.0#	96	0.00
35	T	Caprolactam	0.097	0.000	100.0#	0#	-6.27#
36	MC	4-Chloro-3-methylphenol	0.254	0.275	-8.3#	92	0.00
37	T	2-Methylnaphthalene	0.606	0.644	-6.3	92	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171602.D
Acq On : 17 Aug 2016 9:50 am
Operator : BNA8:ML
Sample : WG923553-3
Misc : WG923553,MSAK08,ICAL12703
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 11:19:40 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	I	Acenaphthene-d10	1.000	1.000	0.0	89	0.00
39	T	1,2,4,5-Tetrachlorobenzene	0.561	0.597	-6.4	91	0.00
40	TP	Hexachlorocyclopentadiene	0.277	0.335	-20.9#	96	0.00
41	TC	2,4,6-Trichlorophenol	0.390	0.423	-8.5#	92	0.00
42	T	2,4,5-Trichlorophenol	0.393	0.431	-9.7	92	0.00
43	S	2-Fluorobiphenyl	1.322	1.424	-7.7	92	0.00
44	T	Biphenyl	1.593	0.000	100.0#	0#	-7.01#
45	T	2-Chloronaphthalene	1.182	1.228	-3.9	89	0.00
46	T	2-Nitroaniline	0.323	0.373	-15.5	96	0.00
47	T	Acenaphthylene	1.934	2.109	-9.0	92	0.00
48	T	Dimethylphthalate	1.290	1.421	-10.2	95	0.00
49	T	2,6-Dinitrotoluene	0.300	0.339	-13.0	93	0.00
50	MC	Acenaphthene	1.196	1.263	-5.6#	91	0.00
51	T	3-Nitroaniline	0.346	0.368	-6.4	88	0.00
52	TP	2,4-Dinitrophenol	* 10.000	11.060	-10.6	91	0.00
53	T	Dibenzofuran	1.571	1.673	-6.5	92	0.00
54		2,3,4,6-Tetrachlorophenol	0.278	0.315	-13.3	93	0.00
55	M	2,4-Dinitrotoluene	0.387	0.449	-16.0	93	0.00
56	MP	4-Nitrophenol	0.169	0.211	-24.9#	101	0.00
57	T	Fluorene	1.256	1.326	-5.6	91	0.00
58	T	4-Chlorophenyl-phenylether	0.573	0.616	-7.5	94	0.00
59	T	Diethylphthalate	1.328	1.476	-11.1	94	0.00
60	T	4-Nitroaniline	0.348	0.368	-5.7	88	0.00
61	I	Phenanthrene-d10	1.000	1.000	0.0	92	0.00
62	T	4,6-Dinitro-2-methylphenol	0.136	0.155	-14.0	93	0.00
63	T	Azobenzene	0.192	0.191	0.5	86	0.00
64	TC	n-Nitrosodiphenylamine	0.485	0.492	-1.4#	90	0.00
65	S	2,4,6-Tribromophenol	0.067	0.074	-10.4	94	0.00
66	T	4-Bromophenyl-phenylether	0.171	0.178	-4.1	91	0.00
67	T	Hexachlorobenzene	0.175	0.185	-5.7	94	0.00
68	T	Atrazine	0.195	0.000	100.0#	0#	-8.99#
69	MC	Pentachlorophenol	0.130	0.141	-8.5#	92	0.00
70	T	Pentachloronitrobenzene	0.075	0.094	-25.3#	104	0.00
71	T	Phenanthrene	1.007	1.022	-1.5	90	0.00
72	T	Anthracene	0.998	1.032	-3.4	90	0.00
73	T	Carbazole	0.943	0.974	-3.3	89	0.00
74	T	Di-n-butylphthalate	1.184	1.243	-5.0	88	0.00
75	TC	Fluoranthene	1.073	1.142	-6.4#	91	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171602.D
Acq On : 17 Aug 2016 9:50 am
Operator : BNA8:ML
Sample : WG923553-3
Misc : WG923553,MSAK08,ICAL12703
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 11:19:40 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
76	I	Chrysene-d12		1.000	1.000	0.0	89	0.01
77	T	Benzidine		0.803	0.000	100.0#	0#	-11.78#
78	M	Pyrene		1.214	1.251	-3.0	89	0.00
79	S	Terphenyl-d14		0.708	0.733	-3.5	90	0.00
80	T	Butylbenzylphthalate	*	10.000	10.212	-2.1	89	0.00
81	T	3,3'-Dichlorobenzidine		0.396	0.000	100.0#	0#	-14.63#
82	T	Benz[a]anthracene		1.058	1.130	-6.8	91	0.00
83	T	Chrysene		1.064	1.102	-3.6	90	0.00
84	T	bis(2-Ethylhexyl)phthalate	*	10.000	10.467	-4.7	90	0.00
85	I	Perylene-d12		1.000	1.000	0.0	81	0.00
86	TC	Di-n-octylphthalate	*	10.000	10.869	-8.7#	88	0.00
87	T	Benzo[b]fluoranthene		1.066	1.220	-14.4	86	0.00
88	T	Benzo[k]fluoranthene		1.059	1.187	-12.1	85	0.00
89	TC	Benzo[a]pyrene		1.038	1.067	-2.8#	79	0.00
90	T	Indeno[1,2,3-cd]pyrene		0.847	0.987	-16.5	83	0.00
91	T	Dibenz[a,h]anthracene		0.858	1.020	-18.9	86	0.00
92	T	Benzo[g,h,i]perylene		0.953	1.033	-8.4	82	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 13

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	1.07	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.79	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171602.D
Acq On : 17 Aug 2016 9:50 am
Operator : BNA8:ML
Sample : WG923553-3
Misc : WG923553,MSAK08,ICAL12703
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 11:19:40 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.722	152	294072	5.000	ug/mL	0.00
21) Naphthalene-d8	5.882	136	1106534	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.577	164	522623	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.373	188	1012299	5.000	ug/mL	0.00
76) Chrysene-d12	14.627	240	936479	5.000	ug/mL	0.01
85) Perylene-d12	17.723	264	789387	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.667	112	741108	10.486	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 52.43%			
8) Phenol-d5	4.394	99	869372	10.155	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 50.77%			
22) Nitrobenzene-d5	5.217	82	786881M4	11.440	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 57.20%			
43) 2-Fluorobiphenyl	6.917	172	1487923	10.771	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 53.86%			
65) 2,4,6-Tribromophenol	8.449	330	149086	11.048	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 55.24%			
79) Terphenyl-d14	12.301	244	1373489	10.356	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 51.78%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.776	74	400202	10.590	ug/mL#	69
3) Pyridine	2.781	79	750826	10.444	ug/mL	92
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	4.442	93	1052178M4	9.637	ug/ml	
7) bis(2-Chloroethyl)ether	4.486	63	488608	10.216	ug/mL	95
9) Phenol	4.404	94	890834	10.022	ug/mL#	79
10) 2-Chlorophenol	4.539	128	780349	10.147	ug/mL	95
11) 1,3-Dichlorobenzene	4.673	146	859856	10.191	ug/mL	99
12) 1,4-Dichlorobenzene	4.736	146	859985	10.208	ug/mL	99
13) 1,2-Dichlorobenzene	4.871	146	804949	10.056	ug/mL	99
14) Benzyl alcohol	4.837	108	471911	10.090	ug/mL#	81
15) bis(2-chloroisopropyl)eth	4.953	45	868300	10.101	ug/mL#	64
16) 2-Methylphenol	4.929	108	600192	9.929	ug/mL	97
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	5.169	117	360766	10.515	ug/mL	96
19) N-Nitroso-di-n-propylamin	5.073	70	501116	10.605	ug/mL#	90
20) 4-Methylphenol	5.068	108	645380	9.798	ug/mL	97

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171602.D
Acq On : 17 Aug 2016 9:50 am
Operator : BNA8:ML
Sample : WG923553-3
Misc : WG923553,MSAK08,ICAL12703
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 11:19:40 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	5.232	77	772150	11.174	ug/mL	93
24) Isophorone	5.453	82	1177119	10.886	ug/mL	97
25) 2-Nitrophenol	5.526	139	428778	10.836	ug/mL#	84
26) 2,4-Dimethylphenol	5.555	107	585267	9.383	ug/mL	88
27) Benzoic acid	5.660	105	469912M4	10.107	ug/mL	
28) bis(2-Chloroethoxy)methan	5.646	93	795127	10.010	ug/mL	99
29) 2,4-Dichlorophenol	5.747	162	615144	10.506	ug/mL	99
30) 1,2,4-Trichlorobenzene	5.824	180	650588	10.406	ug/mL	99
31) Naphthalene	5.901	128	2095885	10.371	ug/mL	99
32) 2-Chloroaniline	5.492	127	1061901	10.394	ug/ml	99
33) 4-Chloroaniline	5.949	127	895203M4	10.336	ug/mL	
34) Hexachlorobutadiene	6.012	225	356662	11.152	ug/mL	100
35) Caprolactam	0.000		0	N.D.	d	
36) 4-Chloro-3-methylphenol	6.412	107	608723	10.823	ug/mL	94
37) 2-Methylnaphthalene	6.561	142	1426311	10.636	ug/mL	98
39) 1,2,4,5-Tetrachlorobenzen	6.725	216	624158	10.642	ug/mL	99
40) Hexachlorocyclopentadiene	6.710	237	350020	12.075	ug/mL	98
41) 2,4,6-Trichlorophenol	6.835	196	442388M4	10.844	ug/mL	
42) 2,4,5-Trichlorophenol	6.869	196	450099M4	10.952	ug/mL	
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	7.038	162	1284073	10.393	ug/mL	98
46) 2-Nitroaniline	7.139	65	390254	11.568	ug/mL	82
47) Acenaphthylene	7.442	152	2203915	10.901	ug/mL	100
48) Dimethylphthalate	7.312	163	1485185	11.018	ug/mL	99
49) 2,6-Dinitrotoluene	7.375	165	354302	11.290	ug/mL	95
50) Acenaphthene	7.616	153	1320155	10.561	ug/mL	99
51) 3-Nitroaniline	7.543	138	384794	10.639	ug/mL	84
52) 2,4-Dinitrophenol	7.649	184	271474	11.060	ug/mL	91
53) Dibenzofuran	7.794	168	1748340	10.650	ug/mL	94
54) 2,3,4,6-Tetrachlorophenol	7.919	232	329404	11.324	ug/mL	99
55) 2,4-Dinitrotoluene	7.779	165	469530	11.602	ug/mL#	67
56) 4-Nitrophenol	7.717	109	220371	12.446	ug/mL#	83
57) Fluorene	8.164	166	1385577	10.553	ug/mL	98
58) 4-Chlorophenyl-phenylethe	8.164	204	643954	10.751	ug/mL	94
59) Diethylphthalate	8.039	149	1542286	11.108	ug/mL	100
60) 4-Nitroaniline	8.198	138	384403	10.555	ug/mL#	87
62) 4,6-Dinitro-2-methylpheno	8.232	198	313680	11.379	ug/mL	96
63) Azobenzene	8.352	182	385861	9.906	ug/mL	87
64) n-Nitrosodiphenylamine	8.304	169	995498	10.133	ug/mL	97
66) 4-Bromophenyl-phenylether	8.757	248	360058M4	10.383	ug/mL	
67) Hexachlorobenzene	8.834	284	374157	10.548	ug/mL	95

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171602.D
Acq On : 17 Aug 2016 9:50 am
Operator : BNA8:ML
Sample : WG923553-3
Misc : WG923553,MSAK08,ICAL12703
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 11:19:40 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Atrazine	0.000		0	N.D. d		
69) Pentachlorophenol	9.103	266	286326M4	10.888	ug/mL	
70) Pentachloronitrobenzene	9.118	237	189520	12.464	ug/ml	90
71) Phenanthrene	9.412	178	2068270	10.147	ug/mL	100
72) Anthracene	9.489	178	2088777M4	10.334	ug/mL	
73) Carbazole	9.739	167	1972289	10.330	ug/mL	99
74) Di-n-butylphthalate	10.360	149	2517330	10.503	ug/mL	99
75) Fluoranthene	11.463	202	2313020	10.646	ug/mL#	93
77) Benzidine	0.000		0	N.D. d		
78) Pyrene	11.906	202	2342639	10.305	ug/mL#	92
80) Butylbenzylphthalate	13.485	149	1215336	10.212	ug/mL	93
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
82) Benz[a]anthracene	14.598	228	2116148M4	10.681	ug/mL	
83) Chrysene	14.689	228	2063091M4	10.350	ug/mL	
84) bis(2-Ethylhexyl)phthalat	14.949	149	1640358M4	10.467	ug/mL	
86) Di-n-octylphthalate	16.466	149	2867646	10.869	ug/mL	99
87) Benzo[b]fluoranthene	16.991	252	1926128M4	11.447	ug/mL	
88) Benzo[k]fluoranthene	17.054	252	1874510M4	11.207	ug/mL	
89) Benzo[a]pyrene	17.627	252	1684360	10.282	ug/mL	95
90) Indeno[1,2,3-cd]pyrene	19.538	276	1557540	11.642	ug/mL	97
91) Dibenz[a,h]anthracene	19.591	278	1610347	11.885	ug/mL#	93
92) Benzo[g,h,i]perylene	19.967	276	1630645	10.839	ug/mL	92

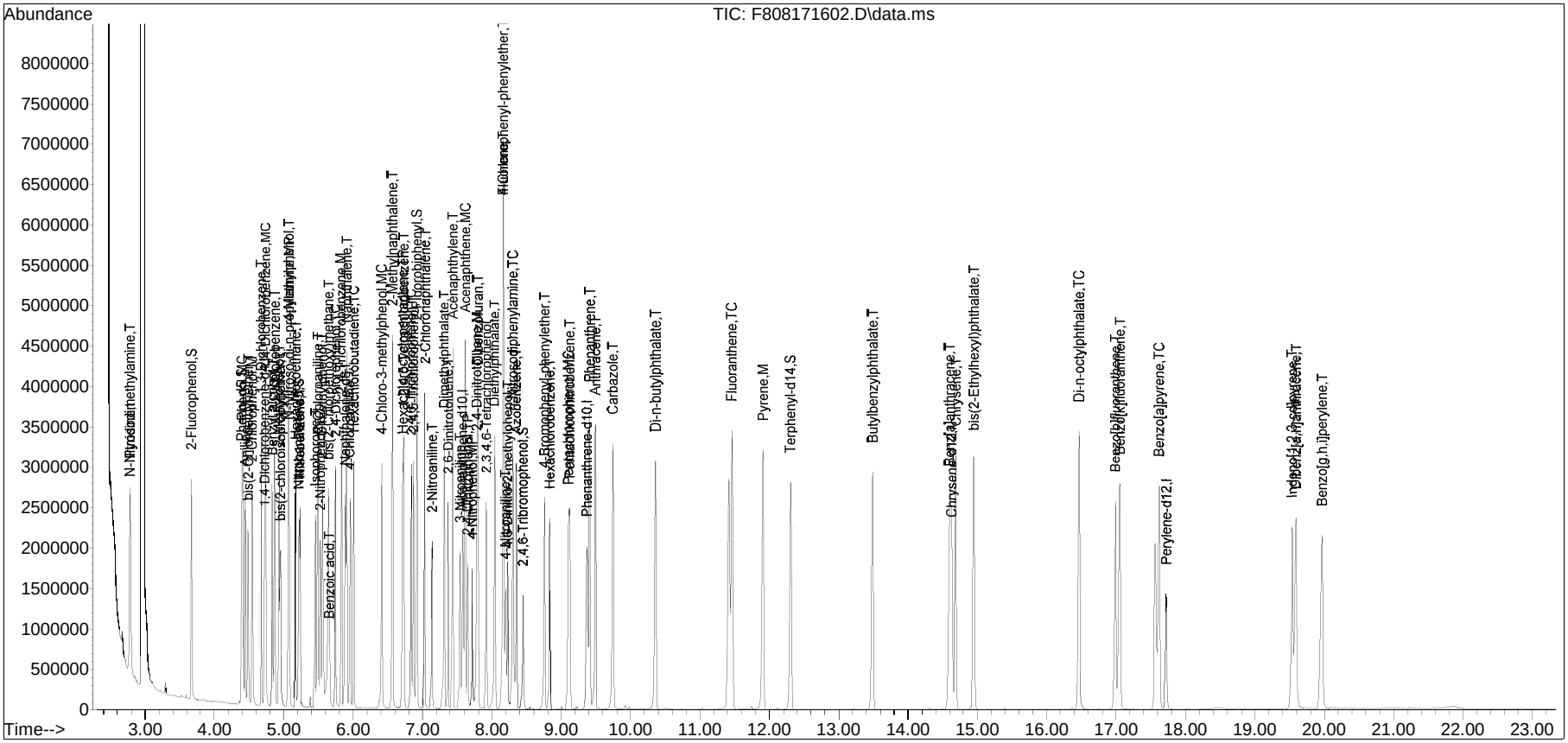
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171602.D
Acq On : 17 Aug 2016 9:50 am
Operator : BNA8:ML
Sample : WG923553-3
Misc : WG923553,MSAK08,ICAL12703
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 11:19:40 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171603.D
Acq On : 17 Aug 2016 10:23 am
Operator : BNA8:ML
Sample : WG923553-4
Misc : WG923553,MSAJ90,ICAL12703
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 18 11:34:29 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
2	T	N-Nitrosodimethylamine	0.643	0.000	100.0#	0#	-2.78#
3	t	Pyridine	1.222	0.000	100.0#	0#	-2.78#
4	S	2-Fluorophenol	1.202	0.000	100.0#	0#	-3.67#
5	T	Benzaldehyde	0.984	0.910	7.5	100	0.00
6	T	Aniline	1.856	0.000	100.0#	0#	-4.44#
7	T	bis(2-Chloroethyl)ether	0.813	0.000	100.0#	0#	-4.49#
8	S	Phenol-d5	1.456	0.000	100.0#	0#	-4.39#
9	MC	Phenol	1.511	0.000	100.0#	0#	-4.40#
10	M	2-Chlorophenol	1.308	0.000	100.0#	0#	-4.54#
11	T	1,3-Dichlorobenzene	1.435	0.000	100.0#	0#	-4.67#
12	MC	1,4-Dichlorobenzene	1.432	0.000	100.0#	0#	-4.74#
13	T	1,2-Dichlorobenzene	1.361	0.000	100.0#	0#	-4.87#
14	T	Benzyl alcohol	0.795	0.000	100.0#	0#	-4.84#
15	T	bis(2-chloroisopropyl)ether	1.462	0.000	100.0#	0#	-4.95#
16	T	2-Methylphenol	1.028	0.000	100.0#	0#	-4.93#
17	T	Acetophenone	1.638	1.595	2.6	98	0.00
18	T	Hexachloroethane	0.583	0.000	100.0#	0#	-5.17#
19	MP	N-Nitroso-di-n-propylamine	0.803	0.000	100.0#	0#	-5.07#
20	T	4-Methylphenol	1.120	0.000	100.0#	0#	-5.07#
21	I	Naphthalene-d8	1.000	1.000	0.0	98	0.00
22	S	Nitrobenzene-d5	0.311	0.000	100.0#	0#	-5.22#
23	T	Nitrobenzene	0.312	0.000	100.0#	0#	-5.23#
24	T	Isophorone	0.489	0.000	100.0#	0#	-5.45#
25	TC	2-Nitrophenol	0.179	0.000	100.0#	0#	-5.53#
26	T	2,4-Dimethylphenol	0.282	0.000	100.0#	0#	-5.55#
27	T	Benzoic acid	* 10.000	0.000	100.0#	0	-5.66#
28	T	bis(2-Chloroethoxy)methane	0.359	0.000	100.0#	0#	-5.65#
29	TC	2,4-Dichlorophenol	0.265	0.000	100.0#	0#	-5.75#
30	M	1,2,4-Trichlorobenzene	0.282	0.000	100.0#	0#	-5.82#
31	T	Naphthalene	0.913	0.000	100.0#	0#	-5.90#
32	T	2-Chloroaniline	0.462	0.000	100.0#	0#	-5.49#
33	T	4-Chloroaniline	0.391	0.000	100.0#	0#	-5.95#
34	TC	Hexachlorobutadiene	0.145	0.000	100.0#	0#	-6.01#
35	T	Caprolactam	0.097	0.106	-9.3	98	0.00
36	MC	4-Chloro-3-methylphenol	0.254	0.000	100.0#	0#	-6.41#
37	T	2-Methylnaphthalene	0.606	0.000	100.0#	0#	-6.56#

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171603.D
Acq On : 17 Aug 2016 10:23 am
Operator : BNA8:ML
Sample : WG923553-4
Misc : WG923553,MSAJ90,ICAL12703
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 18 11:34:29 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	I	Acenaphthene-d10	1.000	1.000	0.0	98	0.00
39	T	1,2,4,5-Tetrachlorobenzene	0.561	0.000	100.0#	0#	-6.72#
40	TP	Hexachlorocyclopentadiene	0.277	0.000	100.0#	0#	-6.71#
41	TC	2,4,6-Trichlorophenol	0.390	0.000	100.0#	0#	-6.84#
42	T	2,4,5-Trichlorophenol	0.393	0.000	100.0#	0#	-6.87#
43	S	2-Fluorobiphenyl	1.322	0.000	100.0#	0#	-6.92#
44	T	Biphenyl	1.593	1.545	3.0	94	0.00
45	T	2-Chloronaphthalene	1.182	0.000	100.0#	0#	-7.04#
46	T	2-Nitroaniline	0.323	0.000	100.0#	0#	-7.14#
47	T	Acenaphthylene	1.934	0.000	100.0#	0#	-7.44#
48	T	Dimethylphthalate	1.290	0.000	100.0#	0#	-7.31#
49	T	2,6-Dinitrotoluene	0.300	0.000	100.0#	0#	-7.37#
50	MC	Acenaphthene	1.196	0.000	100.0#	0#	-7.62#
51	T	3-Nitroaniline	0.346	0.000	100.0#	0#	-7.54#
52	TP	2,4-Dinitrophenol	* 10.000	0.000	100.0#	0	-7.65#
53	T	Dibenzofuran	1.571	0.000	100.0#	0#	-7.79#
54		2,3,4,6-Tetrachlorophenol	0.278	0.000	100.0#	0#	-7.92#
55	M	2,4-Dinitrotoluene	0.387	0.000	100.0#	0#	-7.78#
56	MP	4-Nitrophenol	0.169	0.000	100.0#	0#	-7.72#
57	T	Fluorene	1.256	0.000	100.0#	0#	-8.16#
58	T	4-Chlorophenyl-phenylether	0.573	0.000	100.0#	0#	-8.16#
59	T	Diethylphthalate	1.328	0.000	100.0#	0#	-8.04#
60	T	4-Nitroaniline	0.348	0.000	100.0#	0#	-8.20#
61	I	Phenanthrene-d10	1.000	1.000	0.0	102	0.00
62	T	4,6-Dinitro-2-methylphenol	0.136	0.000	100.0#	0#	-8.23#
63	T	Azobenzene	0.192	0.000	100.0#	0#	-8.35#
64	TC	n-Nitrosodiphenylamine	0.485	0.000	100.0#	0#	-8.30#
65	S	2,4,6-Tribromophenol	0.067	0.000	100.0#	0#	-8.45#
66	T	4-Bromophenyl-phenylether	0.171	0.000	100.0#	0#	-8.76#
67	T	Hexachlorobenzene	0.175	0.000	100.0#	0#	-8.83#
68	T	Atrazine	0.195	0.199	-2.1	98	0.00
69	MC	Pentachlorophenol	0.130	0.000	100.0#	0#	-9.10#
70	T	Pentachloronitrobenzene	0.075	0.000	100.0#	0#	-9.12#
71	T	Phenanthrene	1.007	0.000	100.0#	0#	-9.41#
72	T	Anthracene	0.998	0.000	100.0#	0#	-9.49#
73	T	Carbazole	0.943	0.000	100.0#	0#	-9.74#
74	T	Di-n-butylphthalate	1.184	0.000	100.0#	0#	-10.36#
75	TC	Fluoranthene	1.073	0.000	100.0#	0#	-11.46#

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171603.D
Acq On : 17 Aug 2016 10:23 am
Operator : BNA8:ML
Sample : WG923553-4
Misc : WG923553,MSAJ90,ICAL12703
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 18 11:34:29 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
76	I	Chrysene-d12		1.000	1.000	0.0	86	0.00
77	T	Benzidine		0.803	0.981	-22.2	101	0.00
78	M	Pyrene		1.214	0.000	100.0#	0#	-11.91#
79	S	Terphenyl-d14		0.708	0.000	100.0#	0#	-12.30#
80	T	Butylbenzylphthalate	*	10.000	0.000	100.0#	0	-13.49#
81	T	3,3'-Dichlorobenzidine		0.396	0.419	-5.8	91	0.00
82	T	Benz[a]anthracene		1.058	0.000	100.0#	0#	-14.60#
83	T	Chrysene		1.064	0.000	100.0#	0#	-14.69#
84	T	bis(2-Ethylhexyl)phthalate	*	10.000	0.000	100.0#	0	-14.95#
85	I	Perylene-d12		1.000	1.000	0.0	90	0.00
86	TC	Di-n-octylphthalate	*	10.000	0.000	100.0#	0	-16.47#
87	T	Benzo[b]fluoranthene		1.066	0.000	100.0#	0#	-16.99#
88	T	Benzo[k]fluoranthene		1.059	0.000	100.0#	0#	-17.05#
89	TC	Benzo[a]pyrene		1.038	0.000	100.0#	0#	-17.63#
90	T	Indeno[1,2,3-cd]pyrene		0.847	0.000	100.0#	0#	-19.54#
91	T	Dibenz[a,h]anthracene		0.858	0.000	100.0#	0#	-19.59#
92	T	Benzo[g,h,i]perylene		0.953	0.000	100.0#	0#	-19.97#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 13

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.000	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171603.D
Acq On : 17 Aug 2016 10:23 am
Operator : BNA8:ML
Sample : WG923553-4
Misc : WG923553,MSAJ90,ICAL12703
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 18 11:34:29 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.722	152	326946	5.000	ug/mL	0.00
21) Naphthalene-d8	5.877	136	1211948	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.577	164	575013	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.368	188	1128316	5.000	ug/mL	0.00
76) Chrysene-d12	14.612	240	904905	5.000	ug/mL	0.00
85) Perylene-d12	17.713	264	869893	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0	0.000	ug/mL	
Spiked Amount 20.000	Range 21 - 100		Recovery =	0.00%#		
8) Phenol-d5	0.000	99	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 94		Recovery =	0.00%#		
22) Nitrobenzene-d5	0.000	82	0	0.000	ug/mL	
Spiked Amount 20.000	Range 35 - 114		Recovery =	0.00%#		
43) 2-Fluorobiphenyl	0.000	172	0	0.000	ug/mL	
Spiked Amount 20.000	Range 43 - 116		Recovery =	0.00%#		
65) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/mL	
Spiked Amount 20.000	Range 10 - 123		Recovery =	0.00%#		
79) Terphenyl-d14	0.000	244	0	0.000	ug/mL	
Spiked Amount 20.000	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	4.356	77	595224	9.254	ug/ml	88
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D. d		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D. d		
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	5.073	105	1042955	9.739	ug/ml#	92
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171603.D
Acq On : 17 Aug 2016 10:23 am
Operator : BNA8:ML
Sample : WG923553-4
Misc : WG923553,MSAJ90,ICAL12703
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 18 11:34:29 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
31) Naphthalene	0.000		0	N.D.		
32) 2-Chloroaniline	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.267	113	256246	10.879	ug/ml#	82
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
37) 2-Methylnaphthalene	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	7.014	154	1776306	9.695	ug/ml	100
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.	d	
47) Acenaphthylene	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
50) Acenaphthene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.	d	
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
57) Fluorene	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.		
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.		
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	8.988	200	448145	10.166	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171603.D
Acq On : 17 Aug 2016 10:23 am
Operator : BNA8:ML
Sample : WG923553-4
Misc : WG923553,MSAJ90,ICAL12703
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 18 11:34:29 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.		
72) Anthracene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	0.000		0	N.D.		
75) Fluoranthene	0.000		0	N.D.		
77) Benzidine	11.781	184	1776266M4	12.224	ug/mL	
78) Pyrene	0.000		0	N.D.		
80) Butylbenzylphthalate	0.000		0	N.D.		
81) 3,3'-Dichlorobenzidine	14.627	252	758853M4	10.595	ug/mL	
82) Benz[a]anthracene	0.000		0	N.D.		d
83) Chrysene	0.000		0	N.D.		d
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.		d
86) Di-n-octylphthalate	0.000		0	N.D.		
87) Benzo[b]fluoranthene	0.000		0	N.D.		
88) Benzo[k]fluoranthene	0.000		0	N.D.		
89) Benzo[a]pyrene	0.000		0	N.D.		d
90) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
91) Dibenz[a,h]anthracene	0.000		0	N.D.		
92) Benzo[g,h,i]perylene	0.000		0	N.D.		

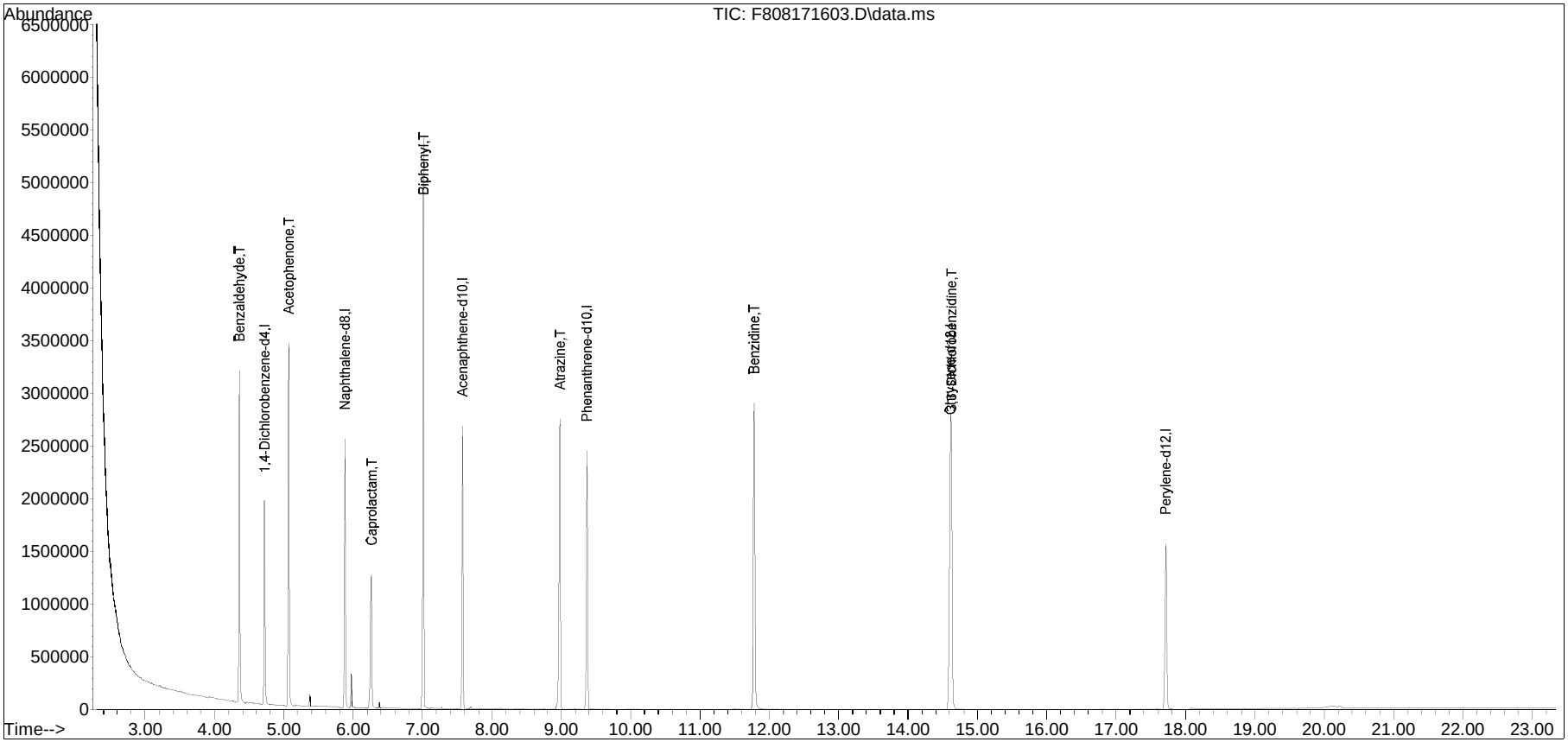
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171603.D
Acq On : 17 Aug 2016 10:23 am
Operator : BNA8:ML
Sample : WG923553-4
Misc : WG923553,MSAJ90,ICAL12703
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 18 11:34:29 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171608.D
Acq On : 17 Aug 2016 2:39 pm
Operator : BNA8:ML
Sample : L1625236-01
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 16:47:44 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.717	152	326559	5.000	ug/mL	0.00
21) Naphthalene-d8	5.877	136	1244557	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.572	164	573944	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.368	188	1069852	5.000	ug/mL	0.00
76) Chrysene-d12	14.607	240	978724	5.000	ug/mL	0.00
85) Perylene-d12	17.713	264	894886	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.677	112	794381	10.122	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 50.61%			
8) Phenol-d5	4.385	99	664389	6.988	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 34.94%			
22) Nitrobenzene-d5	5.208	82	1358379	17.559	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 87.80%			
43) 2-Fluorobiphenyl	6.913	172	2363706	15.581	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 77.91%			
65) 2,4,6-Tribromophenol	8.444	330	257064	18.025	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 90.12%			
79) Terphenyl-d14	12.306	244	2588262	18.672	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 93.36%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	0.000		0	N.D.	d	
7) bis(2-Chloroethyl)ether	0.000		0	N.D.	d	
9) Phenol	4.394	94	448	0.005	ug/mL#	1
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.	d	
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.	d	
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171608.D
Acq On : 17 Aug 2016 2:39 pm
Operator : BNA8:ML
Sample : L1625236-01
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 16:47:44 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	5.598	105	1753M4	1.045	ug/mL	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.248	113	3596	0.149	ug/ml#	51
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.	d	
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.	d	
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171608.D
Acq On : 17 Aug 2016 2:39 pm
Operator : BNA8:ML
Sample : L1625236-01
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 16:47:44 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Di-n-butylphthalate	0.000		0	N.D.	d	
77) Benzidine	0.000		0	N.D.		
80) Butylbenzylphthalate	13.471	149	5285	0.219	ug/mL#	83
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.940	149	3310	0.218	ug/mL#	95
86) Di-n-octylphthalate	0.000		0	N.D.	d	

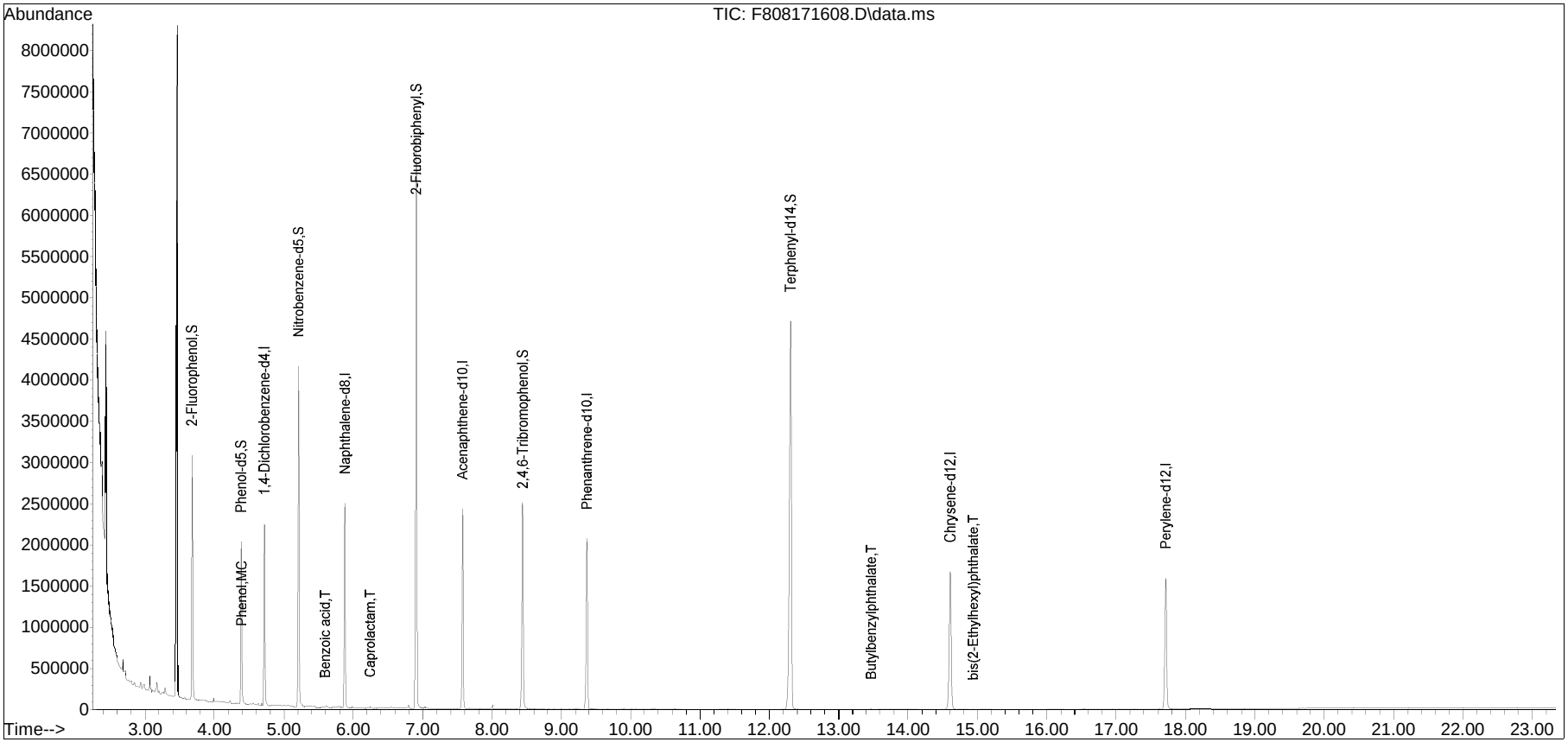
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

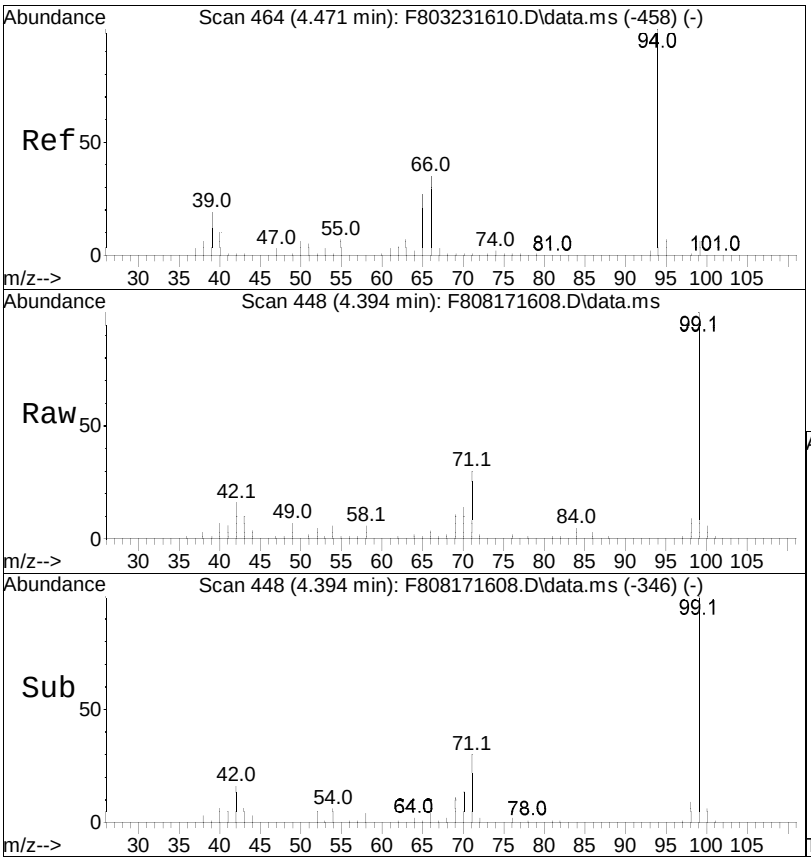
Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171608.D
Acq On : 17 Aug 2016 2:39 pm
Operator : BNA8:ML
Sample : L1625236-01
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 16:47:44 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



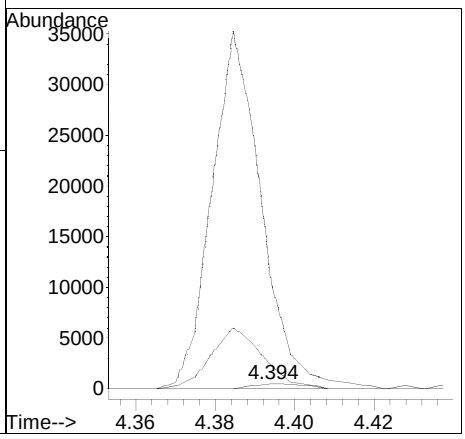
SV0728BNA8.M Thu Aug 18 17:37:54 2016 Page 4

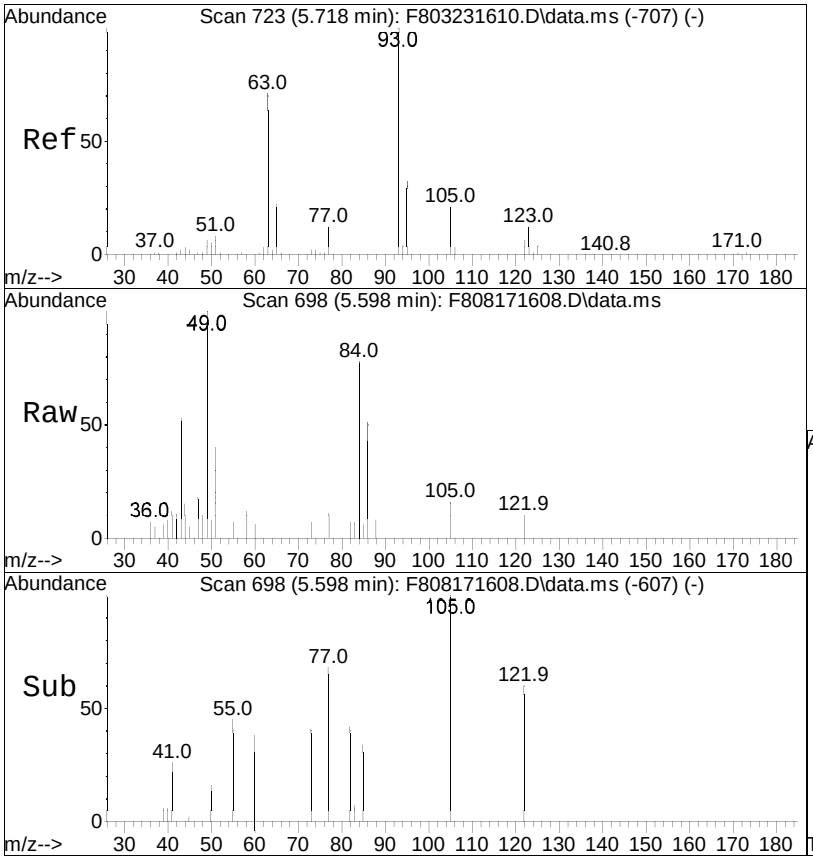


#9
Phenol
Concen: 0.00 ug/mL
RT: 4.394 min Scan# 448
Delta R.T. -0.010 min
Lab File: F808171608.D
Acq: 17 Aug 2016 2:39 pm

Tgt Ion: 94 Resp: 448

Ion	Ratio	Lower	Upper
94	100		
66	6805.6	21.7	32.5#
65	1220.3	17.6	26.4#

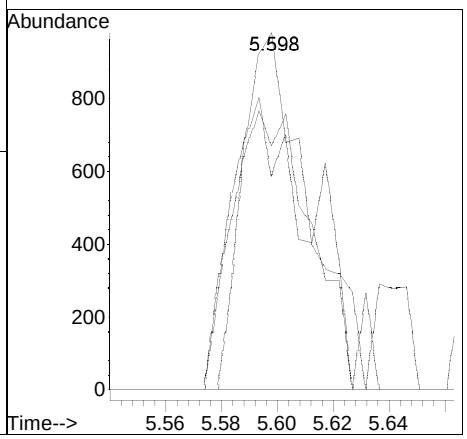


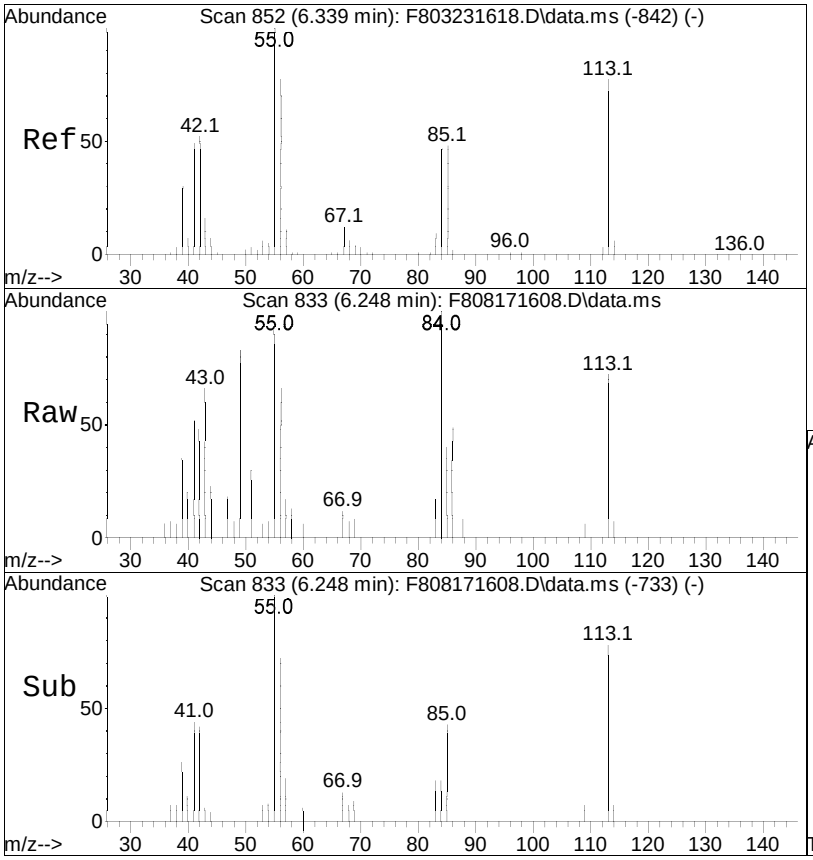


#27
Benzoic acid
Concen: 1.05 ug/mL M4
RT: 5.598 min Scan# 698
Delta R.T. -0.063 min
Lab File: F808171608.D
Acq: 17 Aug 2016 2:39 pm

Tgt Ion:105 Resp: 1753

Ion	Ratio	Lower	Upper
105	100		
122	0.0	70.9	106.3#
77	0.0	53.4	80.0#

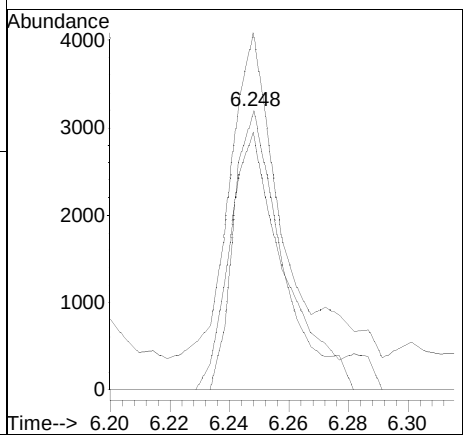


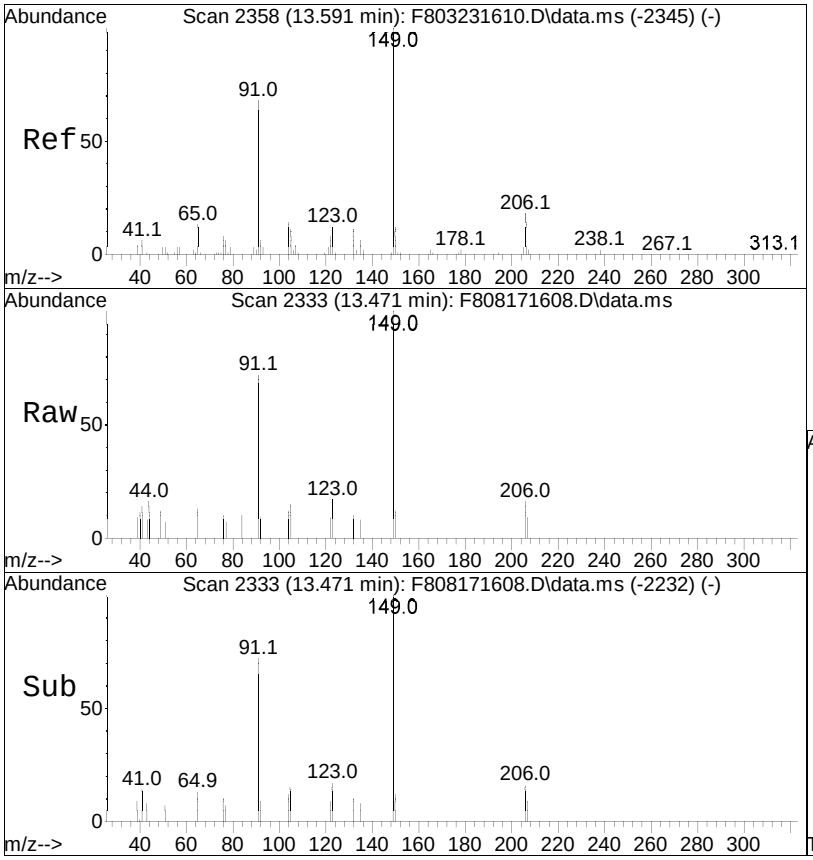


#35
Caprolactam
Concen: 0.15 ug/ml
RT: 6.248 min Scan# 833
Delta R.T. -0.019 min
Lab File: F808171608.D
Acq: 17 Aug 2016 2:39 pm

Tgt Ion:113 Resp: 3596

Ion	Ratio	Lower	Upper
113	100		
55	164.1	82.6	123.8#
56	110.1	63.0	94.6#

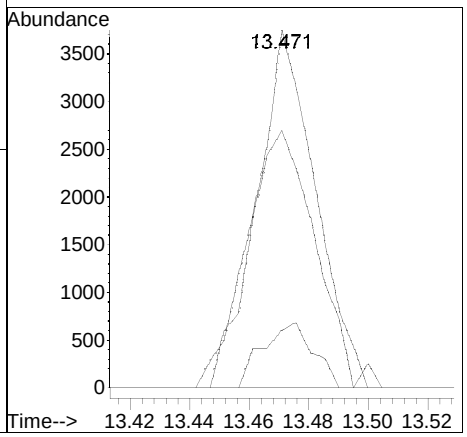


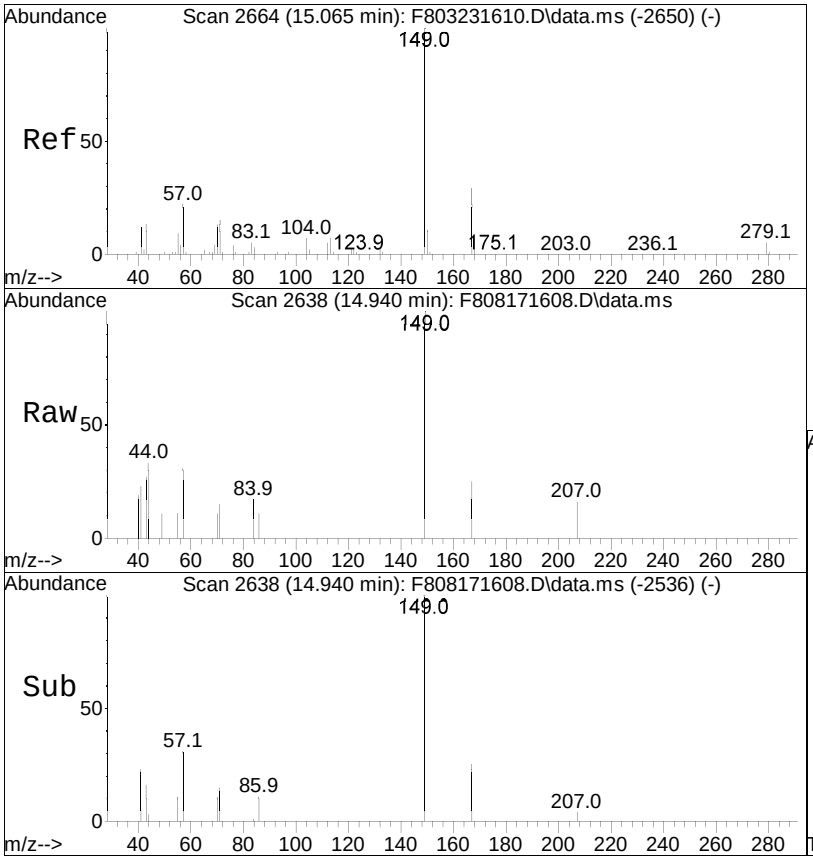


#80
Butylbenzylphthalate
Concen: 0.22 ug/mL
RT: 13.471 min Scan# 2333
Delta R.T. -0.014 min
Lab File: F808171608.D
Acq: 17 Aug 2016 2:39 pm

Tgt Ion:149 Resp: 5285

Ion	Ratio	Lower	Upper
149	100		
91	78.7	50.8	76.2#
206	15.3	15.0	22.4

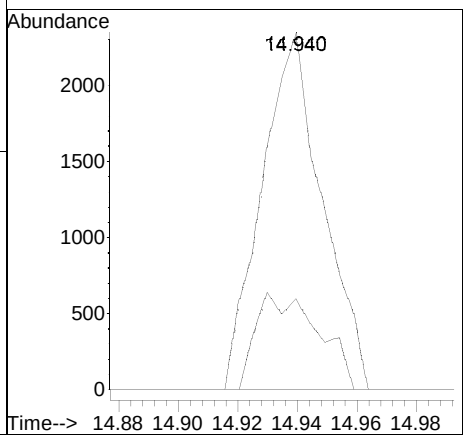




#84
bis(2-Ethylhexyl)phthalate
Concen: 0.22 ug/mL
RT: 14.940 min Scan# 2638
Delta R.T. -0.010 min
Lab File: F808171608.D
Acq: 17 Aug 2016 2:39 pm

Tgt Ion:149 Resp: 3310

Ion	Ratio	Lower	Upper
149	100		
167	27.8	23.8	35.6
279	0.0	4.0	6.0#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171609.D
Acq On : 17 Aug 2016 3:12 pm
Operator : BNA8:ML
Sample : L1625236-02
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 16:41:29 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.717	152	300646	5.000	ug/mL	0.00
21) Naphthalene-d8	5.877	136	1151088	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.572	164	553577	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.364	188	967827	5.000	ug/mL	0.00
76) Chrysene-d12	14.607	240	891702	5.000	ug/mL	0.00
85) Perylene-d12	17.713	264	797548	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.667	112	616873	8.537	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 42.69%			
8) Phenol-d5	4.385	99	509272	5.819	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 29.09%			
22) Nitrobenzene-d5	5.208	82	1154484	16.135	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 80.68%			
43) 2-Fluorobiphenyl	6.913	172	1996999	13.648	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 68.24%			
65) 2,4,6-Tribromophenol	8.444	330	257759	19.978	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 99.89%			
79) Terphenyl-d14	12.306	244	2228093	17.643	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 88.22%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.	d	
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.	d	
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.	d	
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	0.000		0	N.D.		
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171609.D
Acq On : 17 Aug 2016 3:12 pm
Operator : BNA8:ML
Sample : L1625236-02
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 16:41:29 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	5.588	105	5941M4	1.126	ug/mL	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.253	113	6004	0.268	ug/ml#	72
36) 4-Chloro-3-methylphenol	0.000		0	N.D.	d	
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.	d	
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.	d	
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.	d	
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171609.D
Acq On : 17 Aug 2016 3:12 pm
Operator : BNA8:ML
Sample : L1625236-02
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 16:41:29 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Di-n-butylphthalate	10.351	149	12890	0.056	ug/mL#	95
77) Benzidine	0.000		0	N.D.		
80) Butylbenzylphthalate	13.471	149	12833	0.289	ug/mL	95
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.935	149	4355	0.226	ug/mL#	92
86) Di-n-octylphthalate	0.000		0	N.D. d		

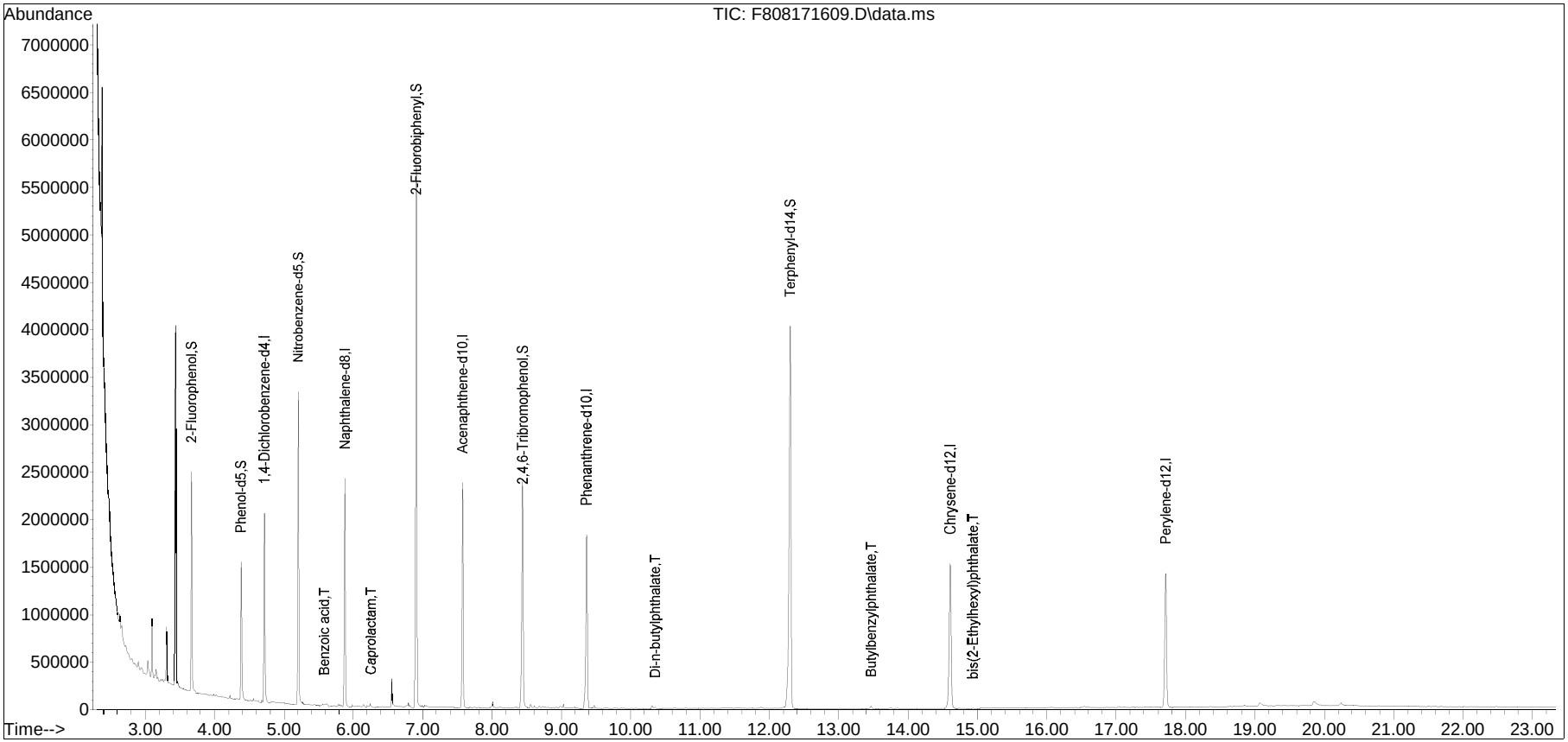
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

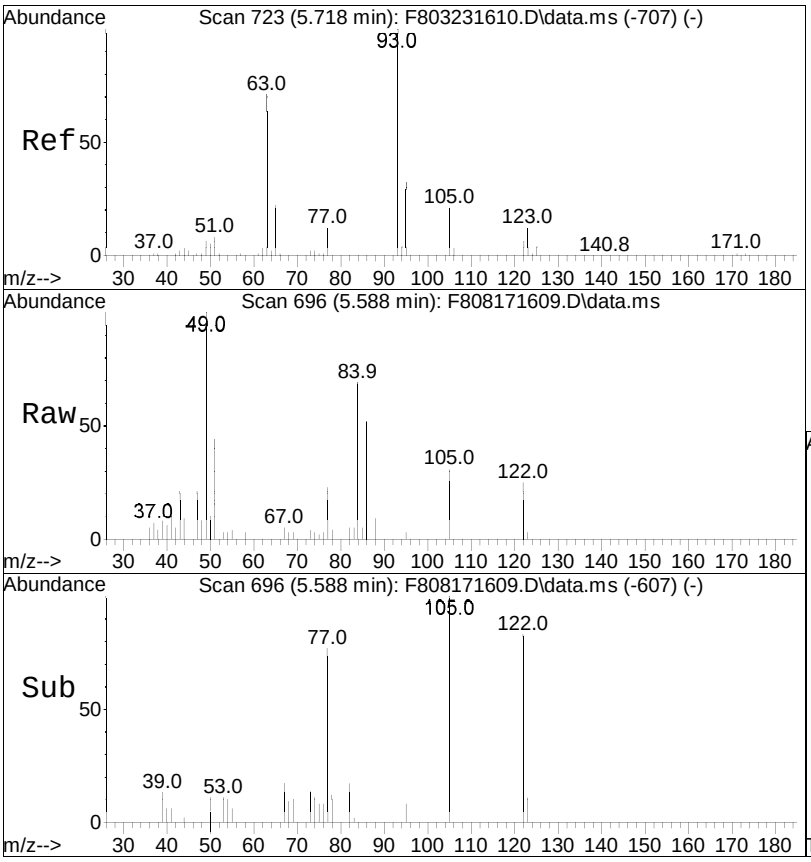
Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171609.D
Acq On : 17 Aug 2016 3:12 pm
Operator : BNA8:ML
Sample : L1625236-02
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 16:41:29 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



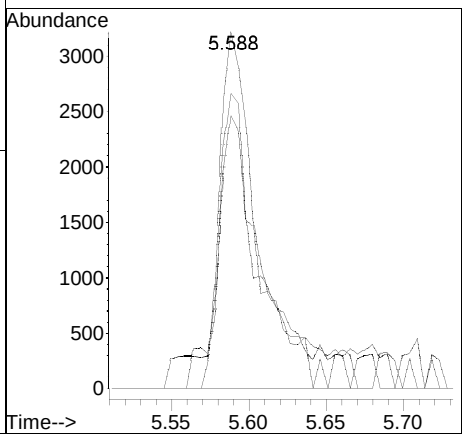
SV0728BNA8.M Thu Aug 18 17:37:59 2016 Page 4

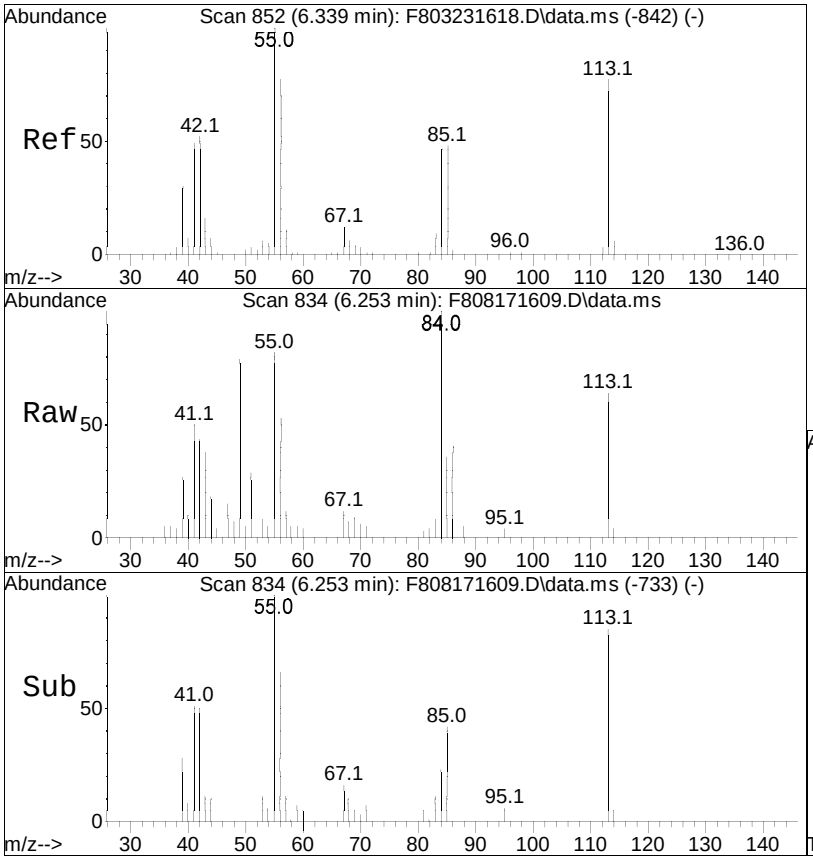


#27
Benzoic acid
Concen: 1.13 ug/mL M4
RT: 5.588 min Scan# 696
Delta R.T. -0.072 min
Lab File: F808171609.D
Acq: 17 Aug 2016 3:12 pm

Tgt Ion:105 Resp: 5941

Ion	Ratio	Lower	Upper
105	100		
122	0.0	70.9	106.3#
77	13.0	53.4	80.0#

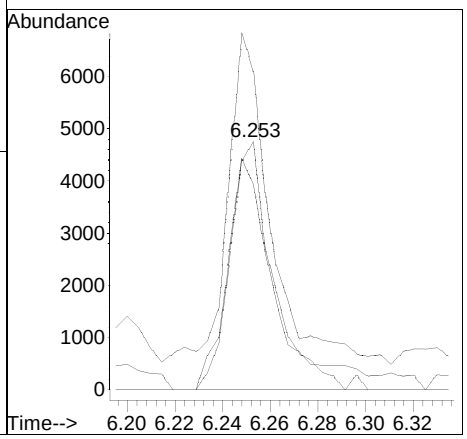


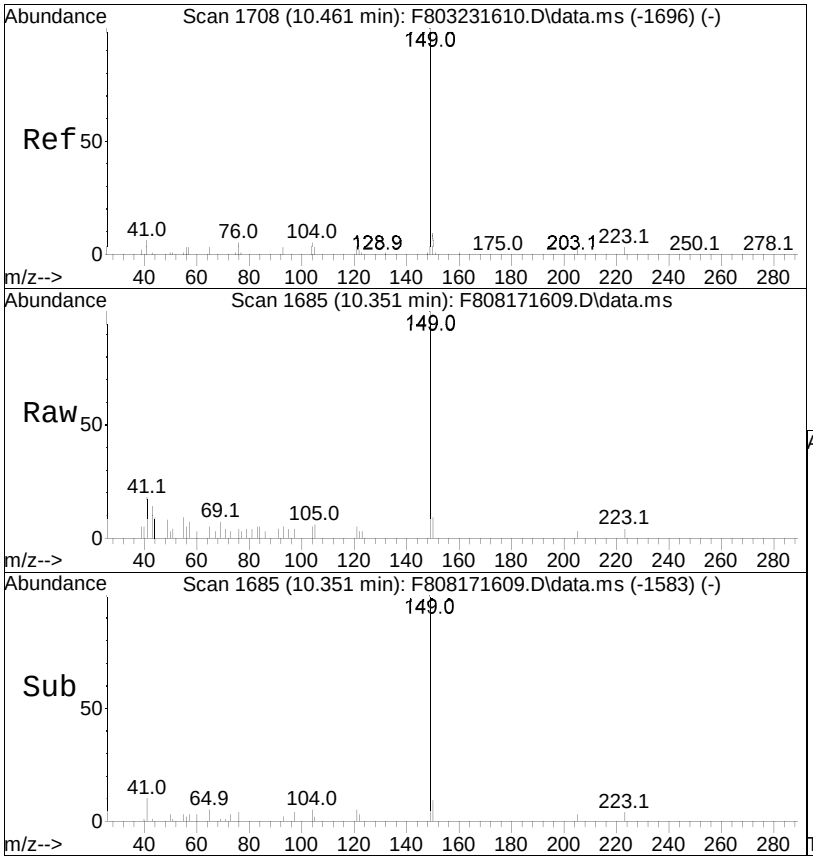


#35
Caprolactam
Concen: 0.27 ug/ml
RT: 6.253 min Scan# 834
Delta R.T. -0.014 min
Lab File: F808171609.D
Acq: 17 Aug 2016 3:12 pm

Tgt Ion:113 Resp: 6004

Ion	Ratio	Lower	Upper
113	100		
55	129.1	82.6	123.8#
56	106.5	63.0	94.6#

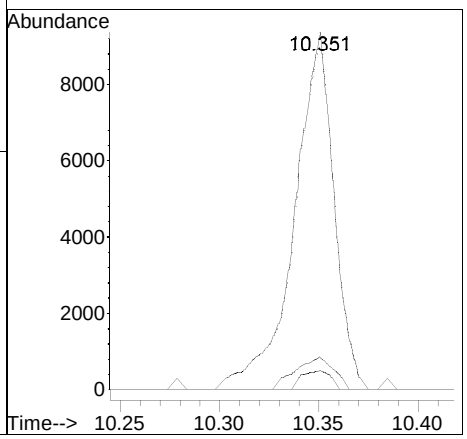


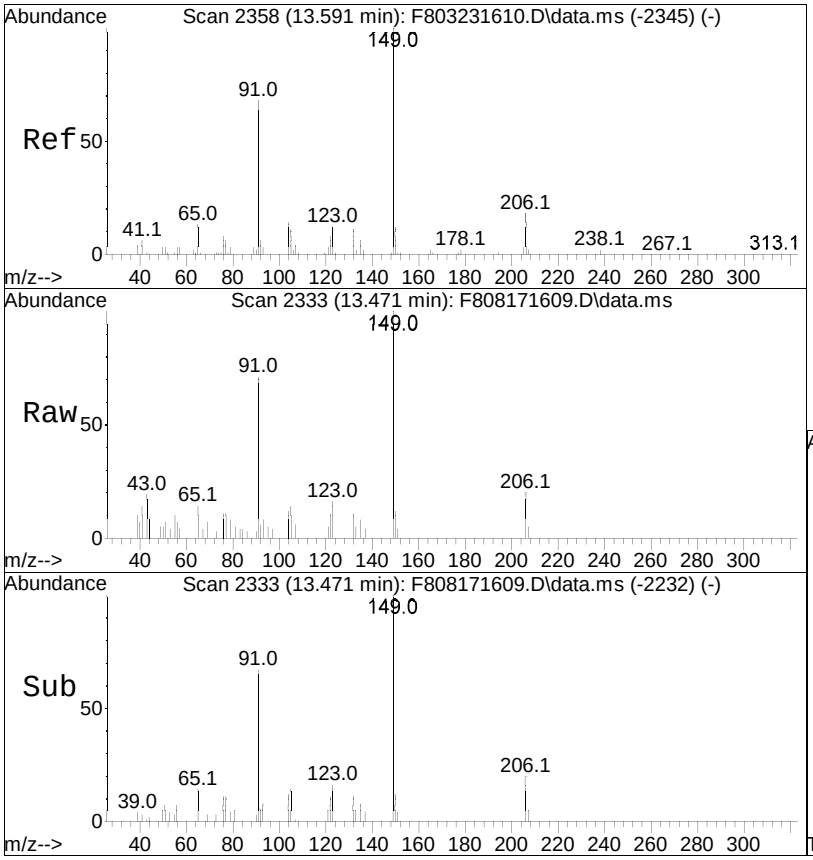


#74
Di-n-butylphthalate
Concen: 0.06 ug/mL
RT: 10.351 min Scan# 1685
Delta R.T. -0.010 min
Lab File: F808171609.D
Acq: 17 Aug 2016 3:12 pm

Tgt Ion:149 Resp: 12890

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.4	11.2
104	0.0	3.5	5.3#

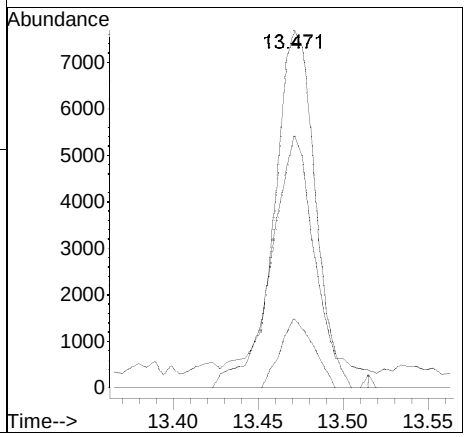


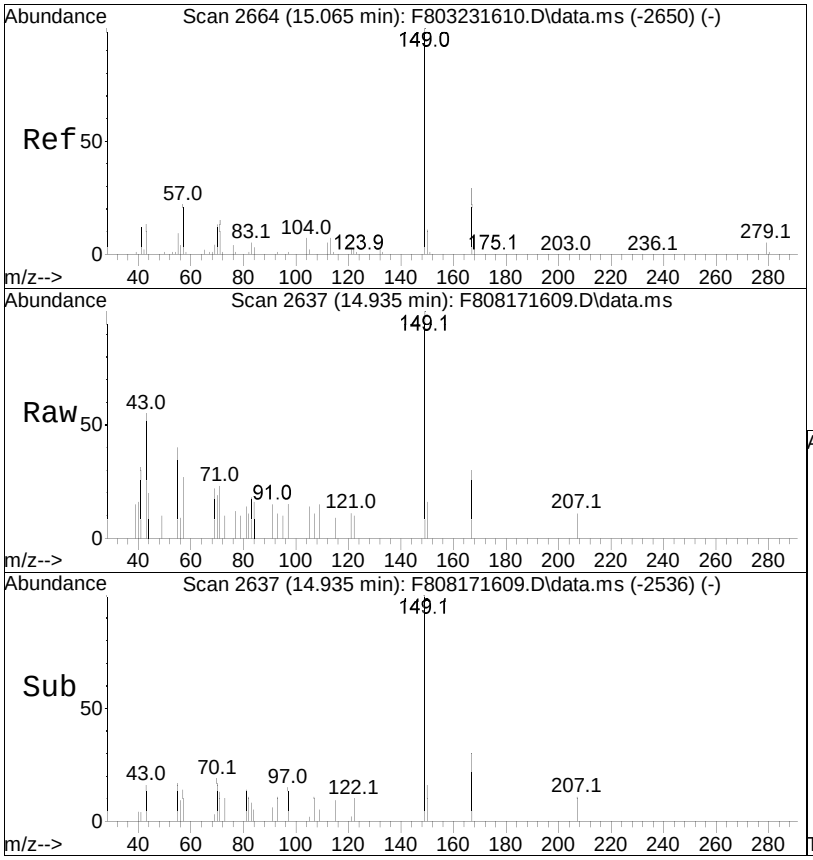


#80
Butylbenzylphthalate
Concen: 0.29 ug/mL
RT: 13.471 min Scan# 2333
Delta R.T. -0.014 min
Lab File: F808171609.D
Acq: 17 Aug 2016 3:12 pm

Tgt Ion:149 Resp: 12833

Ion	Ratio	Lower	Upper
149	100		
91	66.9	50.8	76.2
206	15.7	15.0	22.4

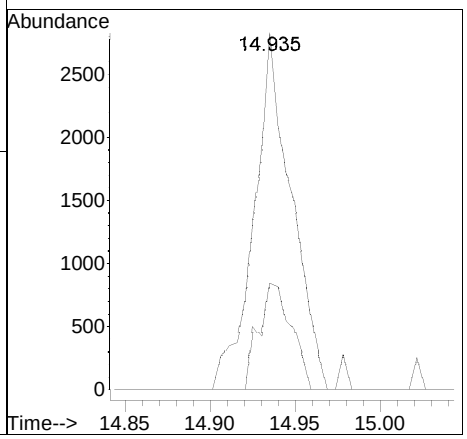




#84
bis(2-Ethylhexyl)phthalate
Concen: 0.23 ug/mL
RT: 14.935 min Scan# 2637
Delta R.T. -0.014 min
Lab File: F808171609.D
Acq: 17 Aug 2016 3:12 pm

Tgt Ion:149 Resp: 4355

Ion	Ratio	Lower	Upper
149	100		
167	25.8	23.8	35.6
279	0.0	4.0	6.0#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171610.D
Acq On : 17 Aug 2016 3:45 pm
Operator : BNA8:ML
Sample : L1625236-03
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 18 16:43:45 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.717	152	296994	5.000	ug/mL	0.00
21) Naphthalene-d8	5.877	136	1108265	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.577	164	529381	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.368	188	980967	5.000	ug/mL	0.00
76) Chrysene-d12	14.607	240	900842	5.000	ug/mL	0.00
85) Perylene-d12	17.713	264	807545	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.672	112	561172	7.862	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 39.31%			
8) Phenol-d5	4.389	99	485050	5.610	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 28.05%			
22) Nitrobenzene-d5	5.213	82	1136594	16.499	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 82.49%			
43) 2-Fluorobiphenyl	6.913	172	1916170	13.695	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 68.47%			
65) 2,4,6-Tribromophenol	8.444	330	243139	18.593	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 92.97%			
79) Terphenyl-d14	12.306	244	2313493	18.133	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 90.66%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	0.000		0	N.D.	d	
7) bis(2-Chloroethyl)ether	0.000		0	N.D.	d	
9) Phenol	0.000		0	N.D.	d	
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.	d	
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.	d	
16) 2-Methylphenol	0.000		0	N.D.	d	
17) Acetophenone	0.000		0	N.D.		
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171610.D
Acq On : 17 Aug 2016 3:45 pm
Operator : BNA8:ML
Sample : L1625236-03
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 18 16:43:45 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	5.593	105	6552M4	1.142	ug/mL	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.248	113	7438	0.345	ug/ml#	70
36) 4-Chloro-3-methylphenol	0.000		0	N.D.	d	
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.	d	
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	8.030	149	13439	0.096	ug/mL	99
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.	d	
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171610.D
Acq On : 17 Aug 2016 3:45 pm
Operator : BNA8:ML
Sample : L1625236-03
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 18 16:43:45 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Di-n-butylphthalate	10.351	149	8919	0.038	ug/mL#	78
77) Benzidine	0.000		0	N.D.		
80) Butylbenzylphthalate	13.476	149	6363	0.232	ug/mL	89
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.940	149	3798	0.222	ug/mL#	88
86) Di-n-octylphthalate	0.000		0	N.D. d		

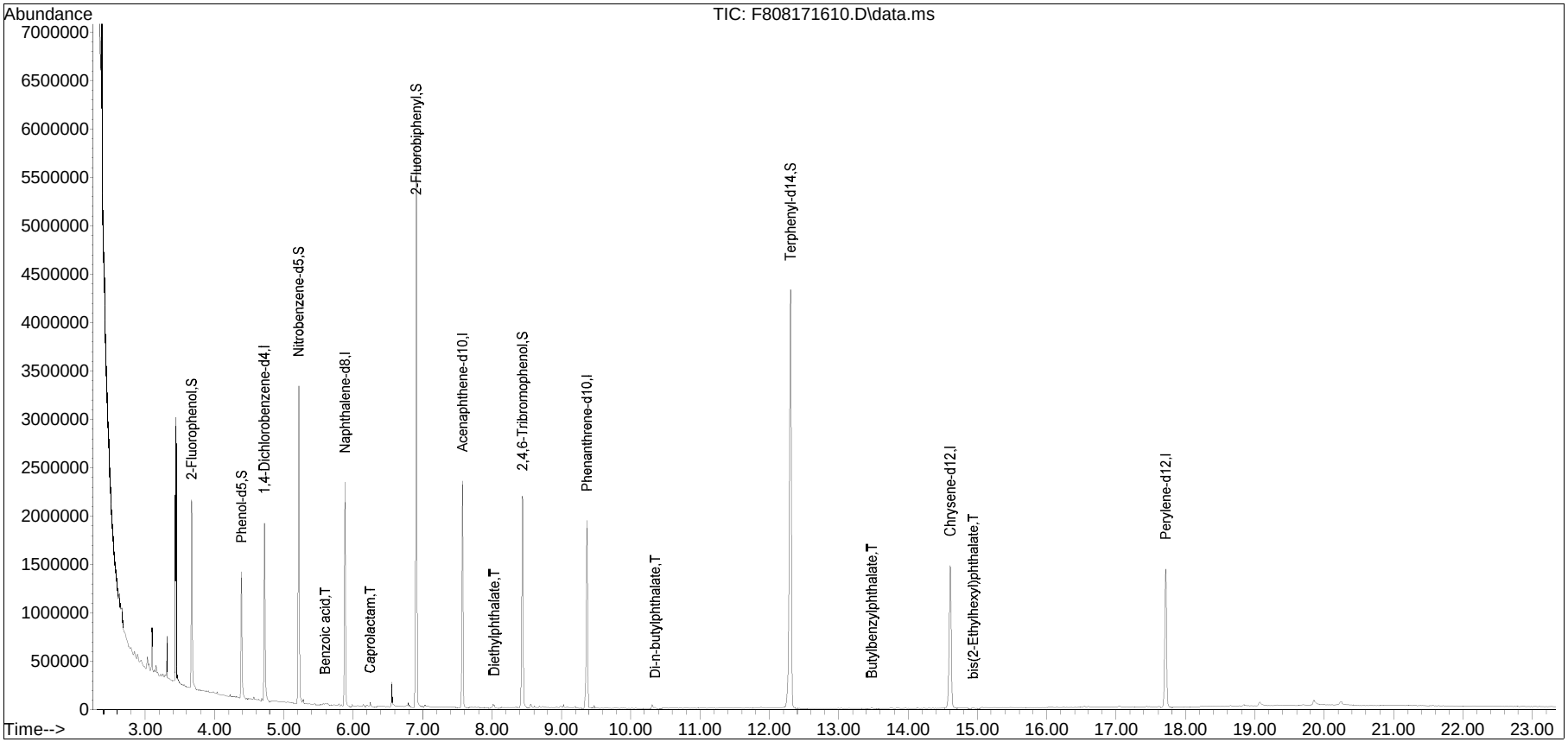
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

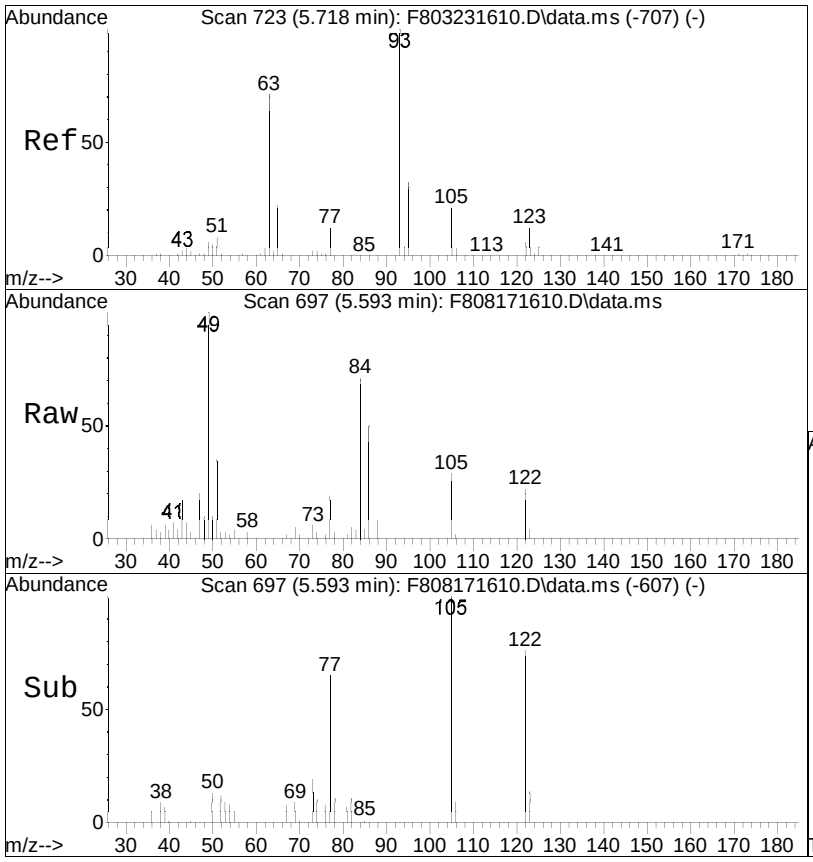
Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171610.D
Acq On : 17 Aug 2016 3:45 pm
Operator : BNA8:ML
Sample : L1625236-03
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 18 16:43:45 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



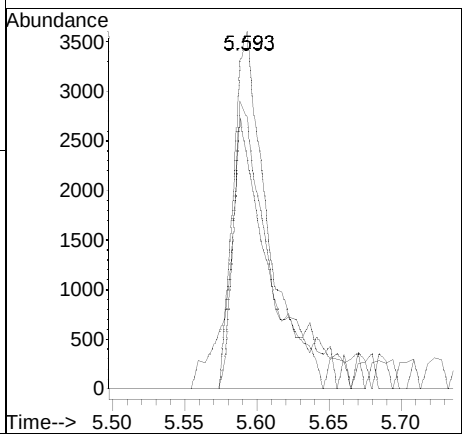
SV0728BNA8.M Fri Aug 19 10:09:16 2016 Page 4

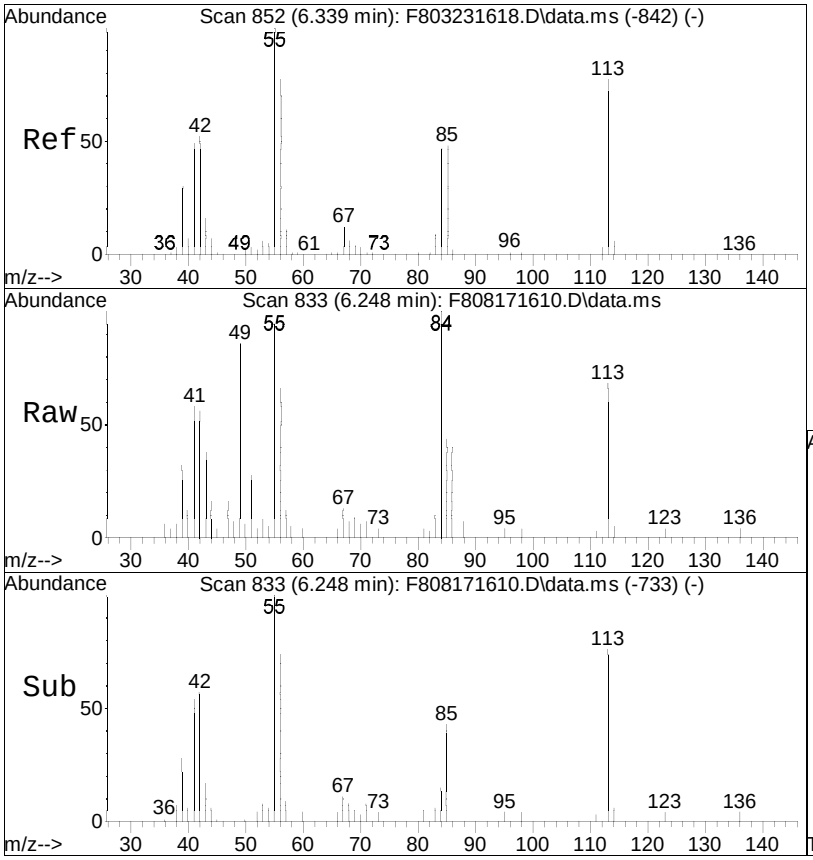


#27
Benzoic acid
Concen: 1.14 ug/mL M4
RT: 5.593 min Scan# 697
Delta R.T. -0.067 min
Lab File: F808171610.D
Acq: 17 Aug 2016 3:45 pm

Tgt Ion:105 Resp: 6552

Ion	Ratio	Lower	Upper
105	100		
122	0.0	70.9	106.3#
77	7.4	53.4	80.0#

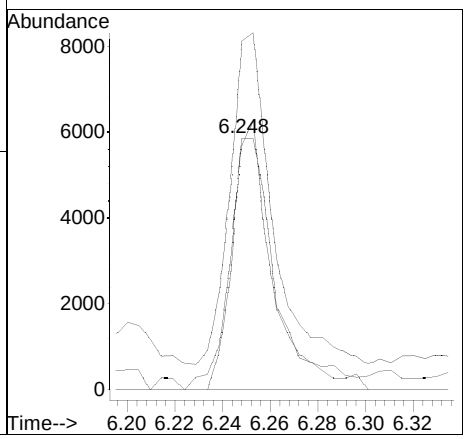


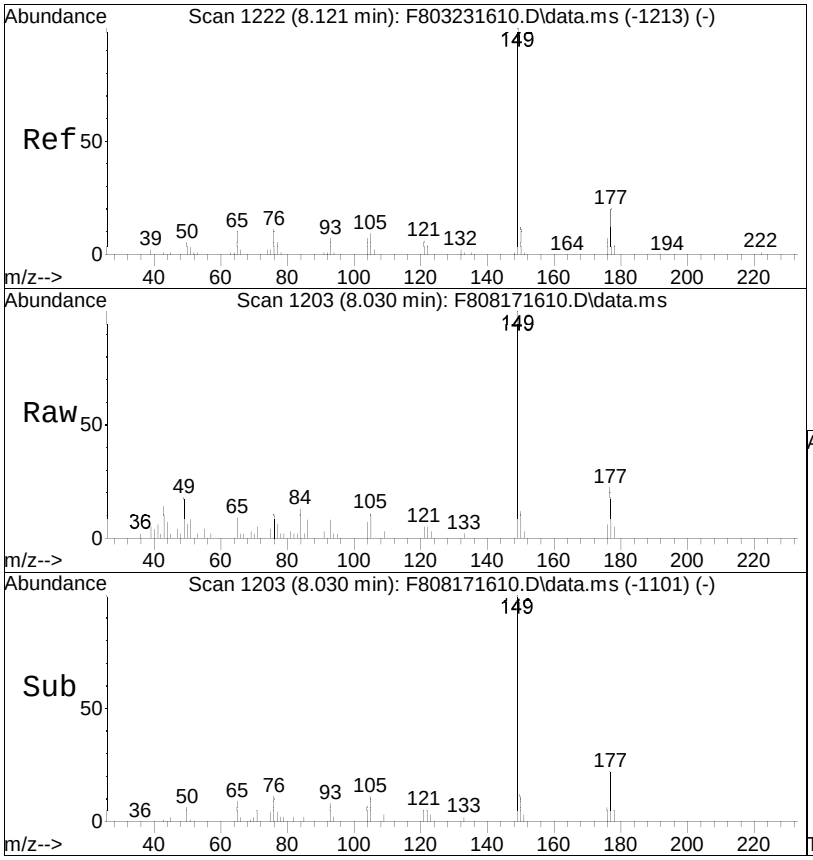


#35
Caprolactam
Concen: 0.35 ug/ml
RT: 6.248 min Scan# 833
Delta R.T. -0.019 min
Lab File: F808171610.D
Acq: 17 Aug 2016 3:45 pm

Tgt Ion:113 Resp: 7438

Ion	Ratio	Lower	Upper
113	100		
55	128.3	82.6	123.8#
56	110.3	63.0	94.6#

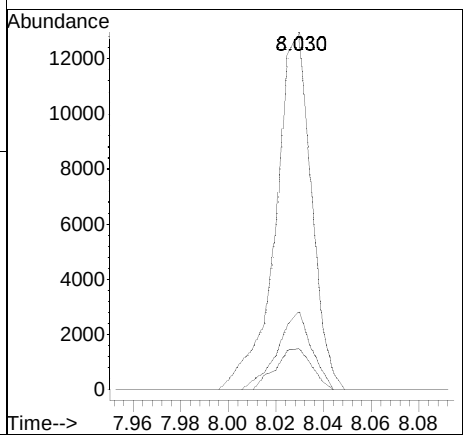


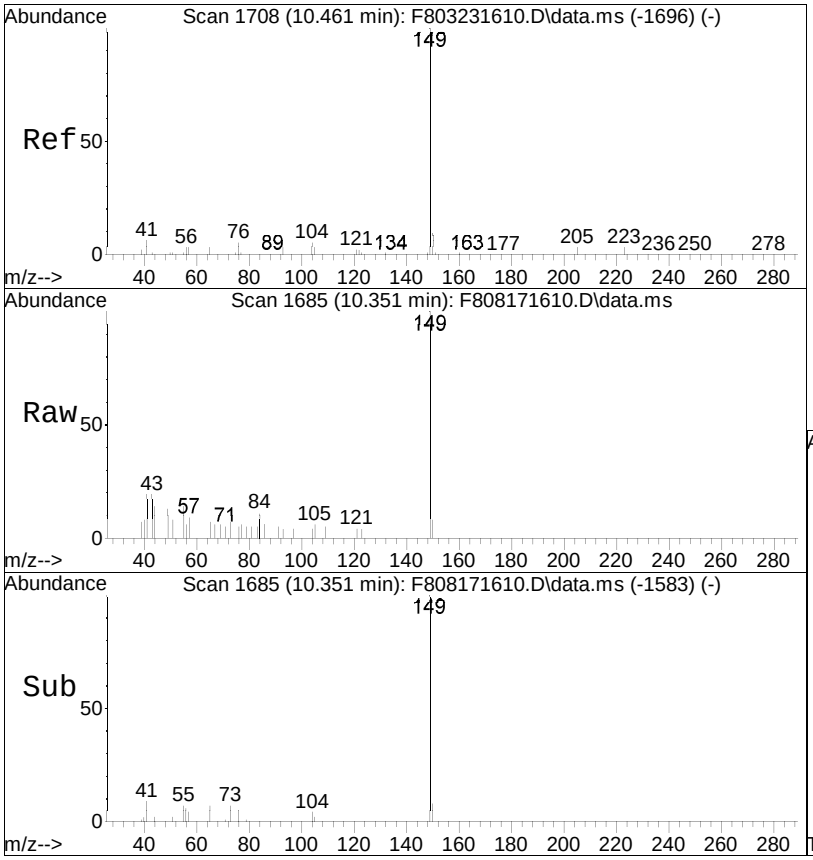


#59
Diethylphthalate
Concen: 0.10 ug/mL
RT: 8.030 min Scan# 1203
Delta R.T. -0.009 min
Lab File: F808171610.D
Acq: 17 Aug 2016 3:45 pm

Tgt Ion:149 Resp: 13439

Ion	Ratio	Lower	Upper
149	100		
177	20.9	16.6	24.8
150	11.8	9.8	14.6

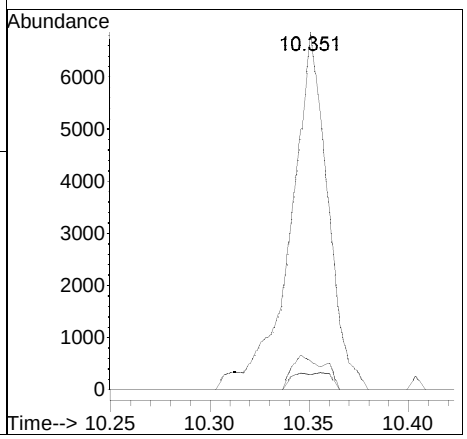


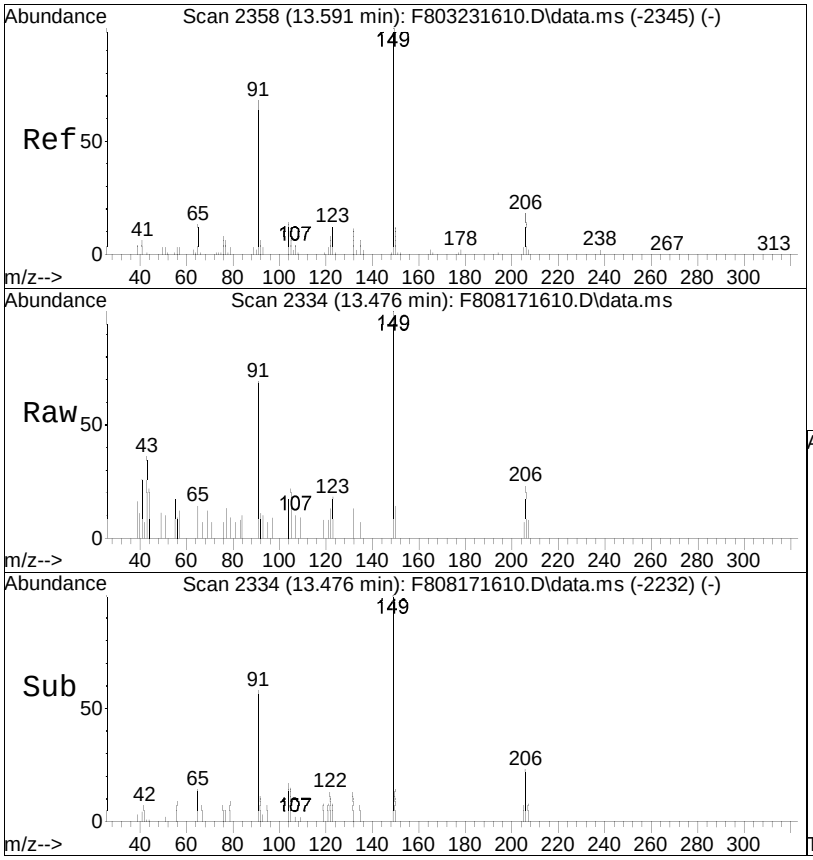


#74
Di-n-butylphthalate
Concen: 0.04 ug/mL
RT: 10.351 min Scan# 1685
Delta R.T. -0.009 min
Lab File: F808171610.D
Acq: 17 Aug 2016 3:45 pm

Tgt Ion:149 Resp: 8919

Ion	Ratio	Lower	Upper
149	100		
150	0.0	7.4	11.2#
104	0.0	3.5	5.3#

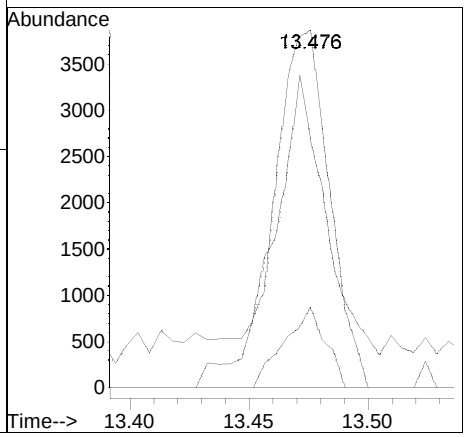


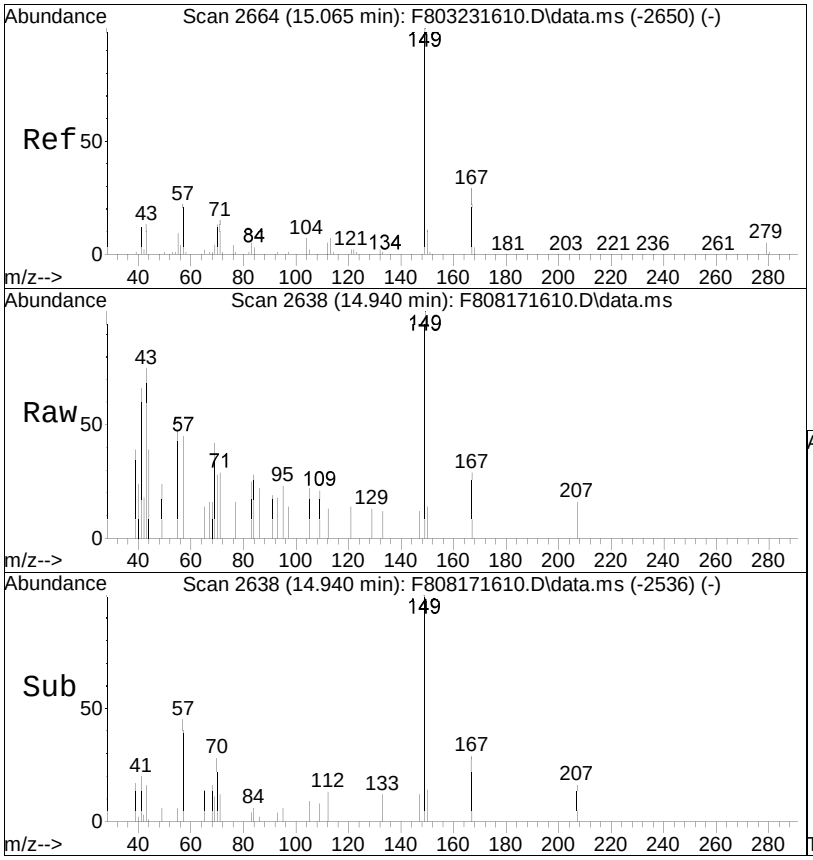


#80
Butylbenzylphthalate
Concen: 0.23 ug/mL
RT: 13.476 min Scan# 2334
Delta R.T. -0.009 min
Lab File: F808171610.D
Acq: 17 Aug 2016 3:45 pm

Tgt Ion:149 Resp: 6363

Ion	Ratio	Lower	Upper
149	100		
91	73.3	50.8	76.2
206	16.5	15.0	22.4

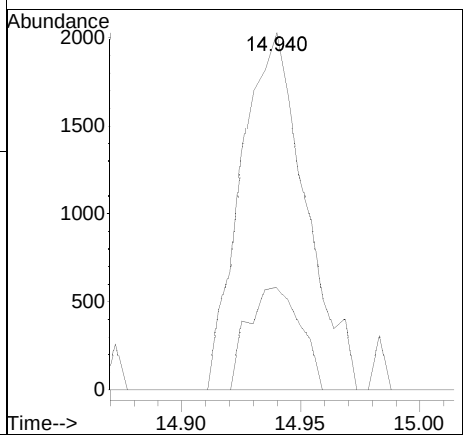




#84
bis(2-Ethylhexyl)phthalate
Concen: 0.22 ug/mL
RT: 14.940 min Scan# 2638
Delta R.T. -0.009 min
Lab File: F808171610.D
Acq: 17 Aug 2016 3:45 pm

Tgt Ion:149 Resp: 3798

Ion	Ratio	Lower	Upper
149	100		
167	23.5	23.8	35.6#
279	0.0	4.0	6.0#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171613.D
Acq On : 17 Aug 2016 5:23 pm
Operator : BNA8:ML
Sample : L1625236-04
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 18 17:18:16 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.717	152	314107	5.000	ug/mL	0.00
21) Naphthalene-d8	5.877	136	1190785	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.572	164	563882	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.368	188	1028762	5.000	ug/mL	0.00
76) Chrysene-d12	14.607	240	908013	5.000	ug/mL	0.00
85) Perylene-d12	17.713	264	828403	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.672	112	597412	7.914	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 39.57%			
8) Phenol-d5	4.389	99	518728	5.673	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 28.37%			
22) Nitrobenzene-d5	5.208	82	1216533	16.436	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 82.18%			
43) 2-Fluorobiphenyl	6.912	172	2242864	15.049	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 75.24%			
65) 2,4,6-Tribromophenol	8.444	330	228402	16.654	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 83.27%			
79) Terphenyl-d14	12.306	244	2436529	18.946	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 94.73%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	0.000		0	N.D.		d
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		d
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		d
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.		d
16) 2-Methylphenol	0.000		0	N.D.		d
17) Acetophenone	0.000		0	N.D.		
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171613.D
Acq On : 17 Aug 2016 5:23 pm
Operator : BNA8:ML
Sample : L1625236-04
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 18 17:18:16 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	5.588	105	11567M4	1.223	ug/mL	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.	d	
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.253	113	5561	0.240	ug/ml#	48
36) 4-Chloro-3-methylphenol	0.000		0	N.D.	d	
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.	d	
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.	d	
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	8.025	149	7737	0.052	ug/mL#	87
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.	d	
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.	d	

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171613.D
Acq On : 17 Aug 2016 5:23 pm
Operator : BNA8:ML
Sample : L1625236-04
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 18 17:18:16 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Di-n-butylphthalate	10.351	149	14012	0.058	ug/mL#	95
77) Benzidine	0.000		0	N.D.		
80) Butylbenzylphthalate	13.471	149	11731	0.277	ug/mL	90
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.940	149	6962	0.243	ug/mL#	94
86) Di-n-octylphthalate	0.000		0	N.D. d		

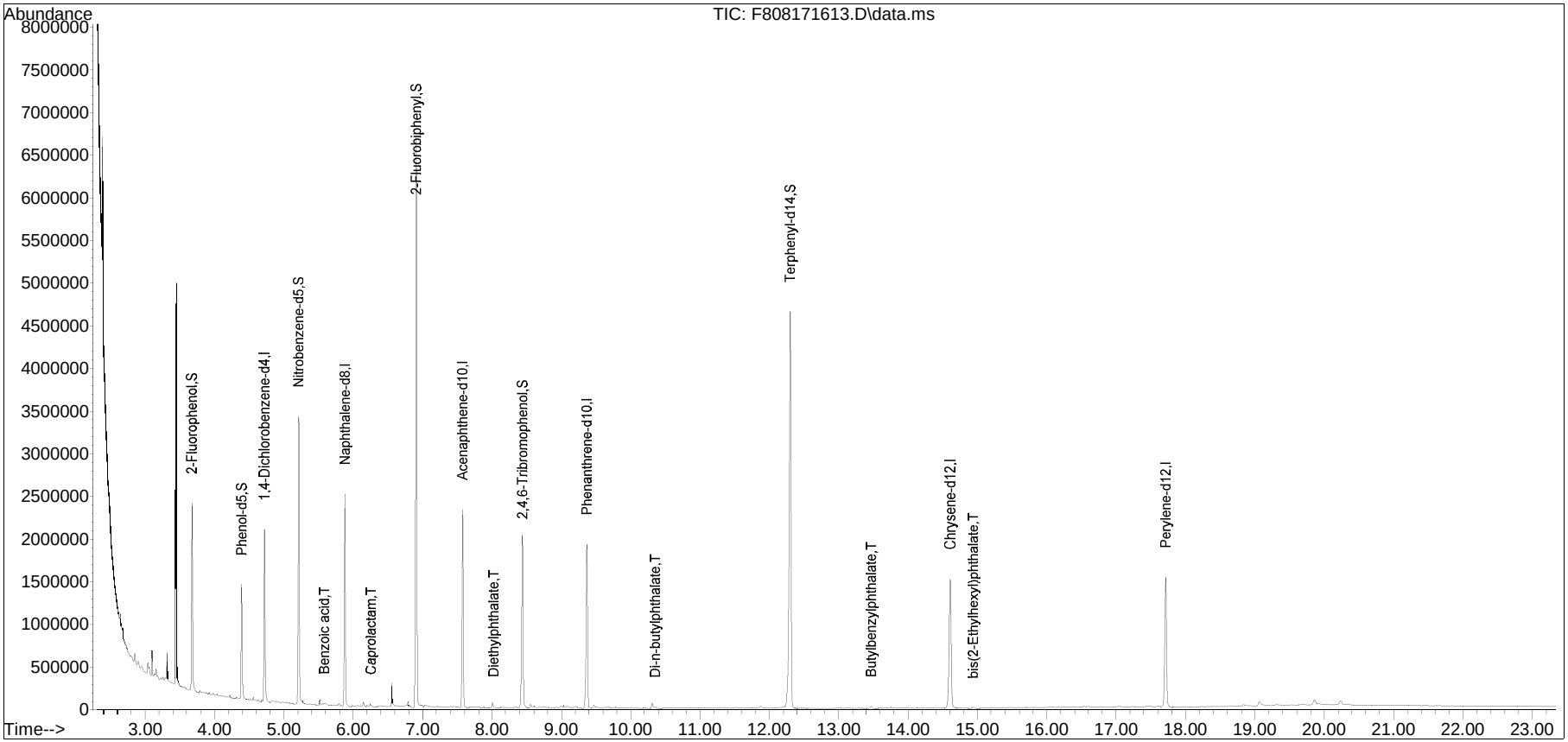
(#) = qualifier out of range (m) = manual integration (+) = signals summed

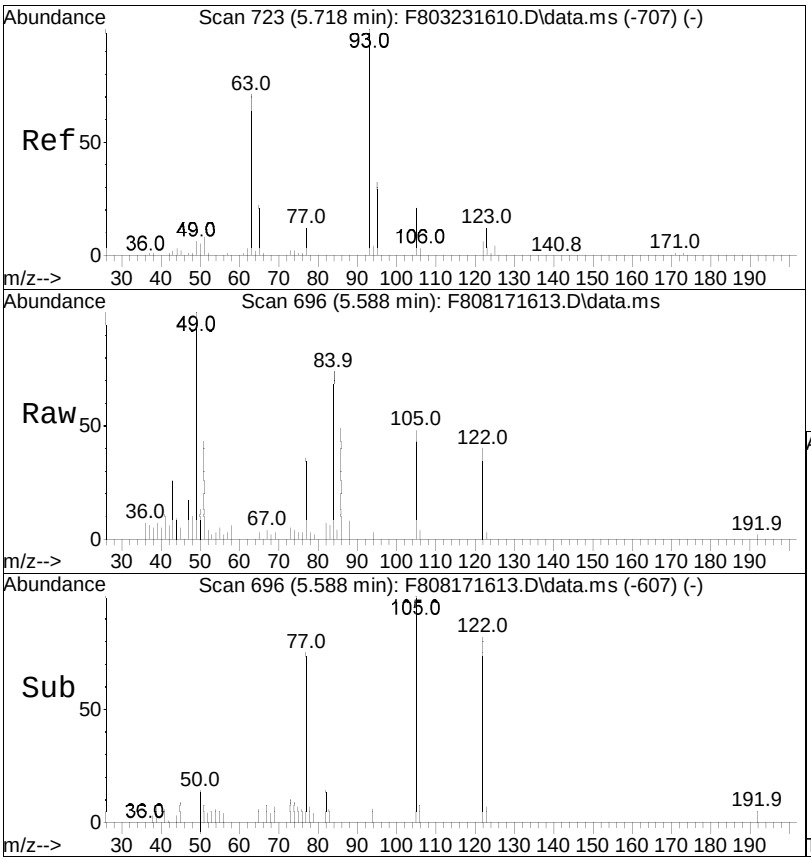
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171613.D
Acq On : 17 Aug 2016 5:23 pm
Operator : BNA8:ML
Sample : L1625236-04
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 18 17:18:16 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

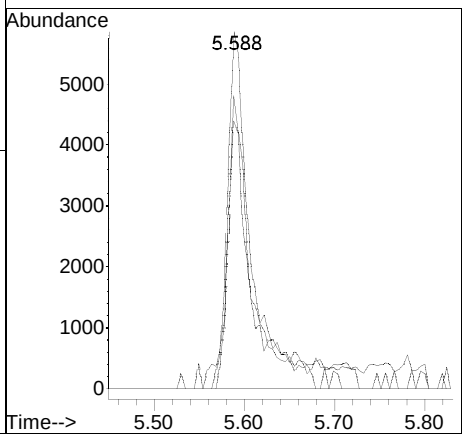


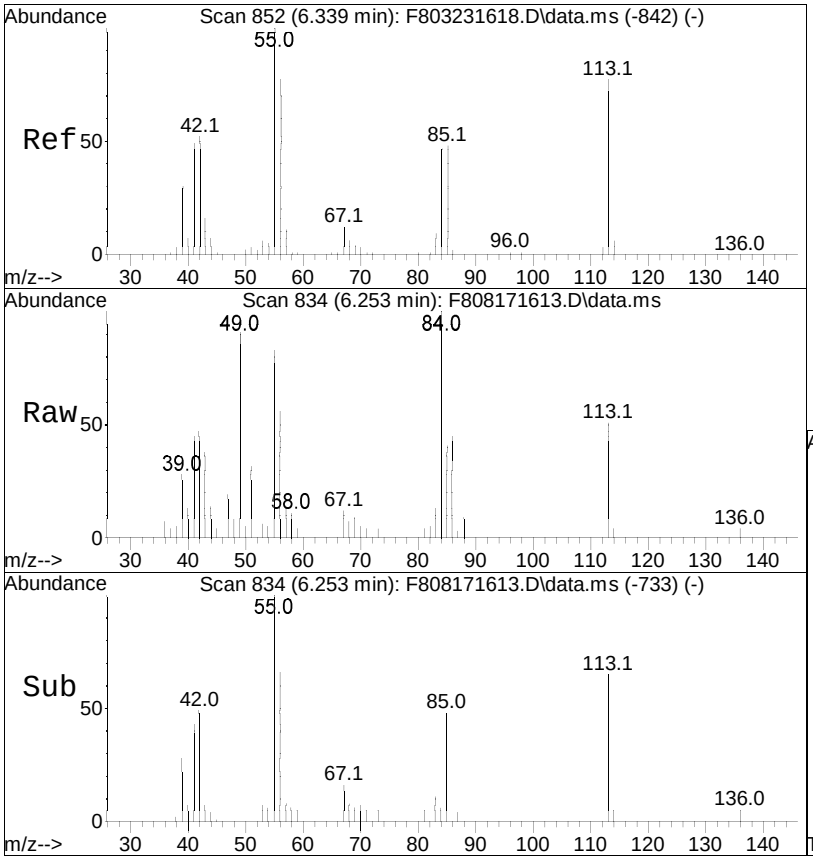


#27
Benzoic acid
Concen: 1.22 ug/mL M4
RT: 5.588 min Scan# 696
Delta R.T. -0.072 min
Lab File: F808171613.D
Acq: 17 Aug 2016 5:23 pm

Tgt Ion:105 Resp: 11567

Ion	Ratio	Lower	Upper
105	100		
122	0.0	70.9	106.3#
77	5.3	53.4	80.0#

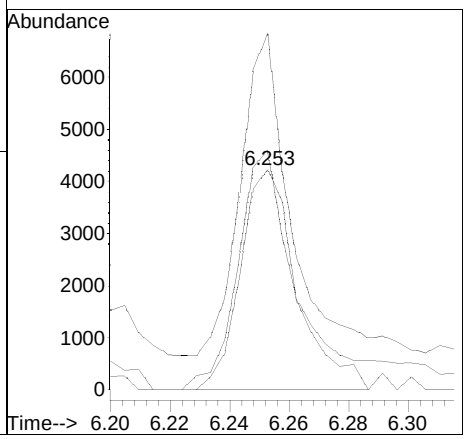


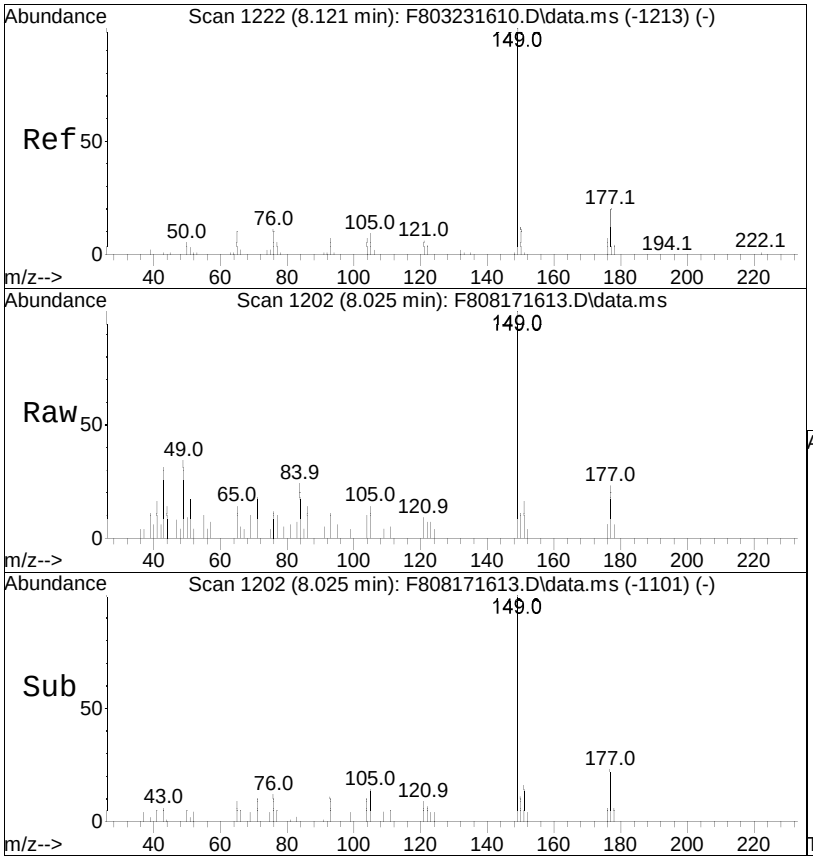


#35
Caprolactam
Concen: 0.24 ug/ml
RT: 6.253 min Scan# 834
Delta R.T. -0.015 min
Lab File: F808171613.D
Acq: 17 Aug 2016 5:23 pm

Tgt Ion:113 Resp: 5561

Ion	Ratio	Lower	Upper
113	100		
55	148.4	82.6	123.8#
56	134.0	63.0	94.6#

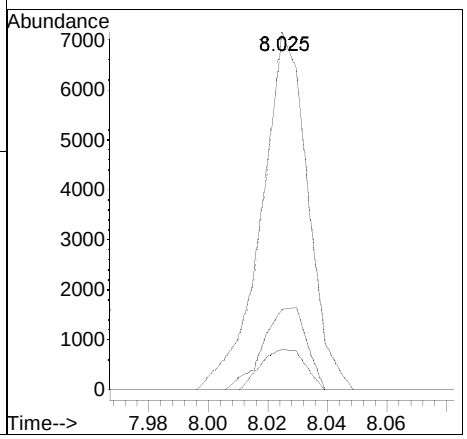


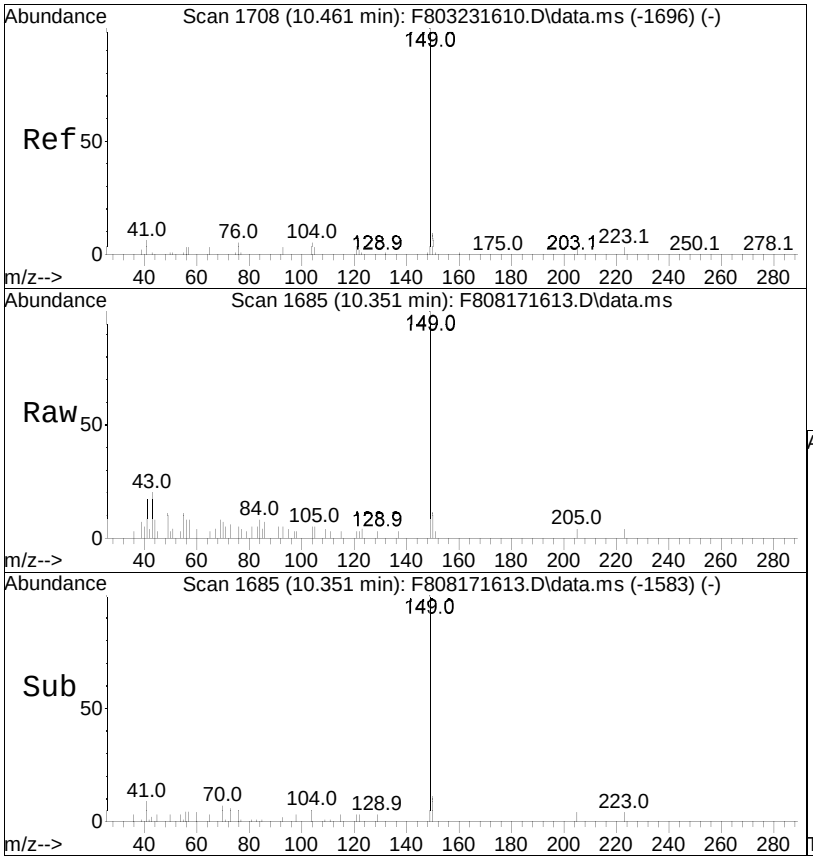


#59
Diethylphthalate
Concen: 0.05 ug/mL
RT: 8.025 min Scan# 1202
Delta R.T. -0.014 min
Lab File: F808171613.D
Acq: 17 Aug 2016 5:23 pm

Tgt Ion:149 Resp: 7737

Ion	Ratio	Lower	Upper
149	100		
177	21.5	16.6	24.8
150	0.0	9.8	14.6#

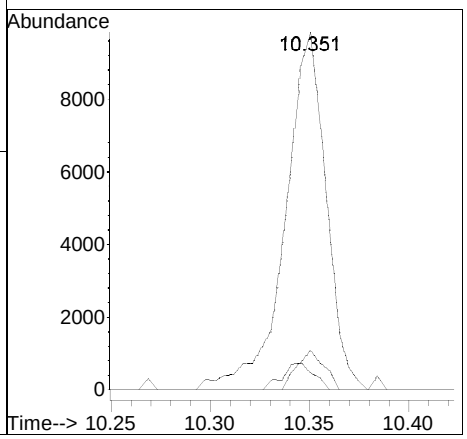


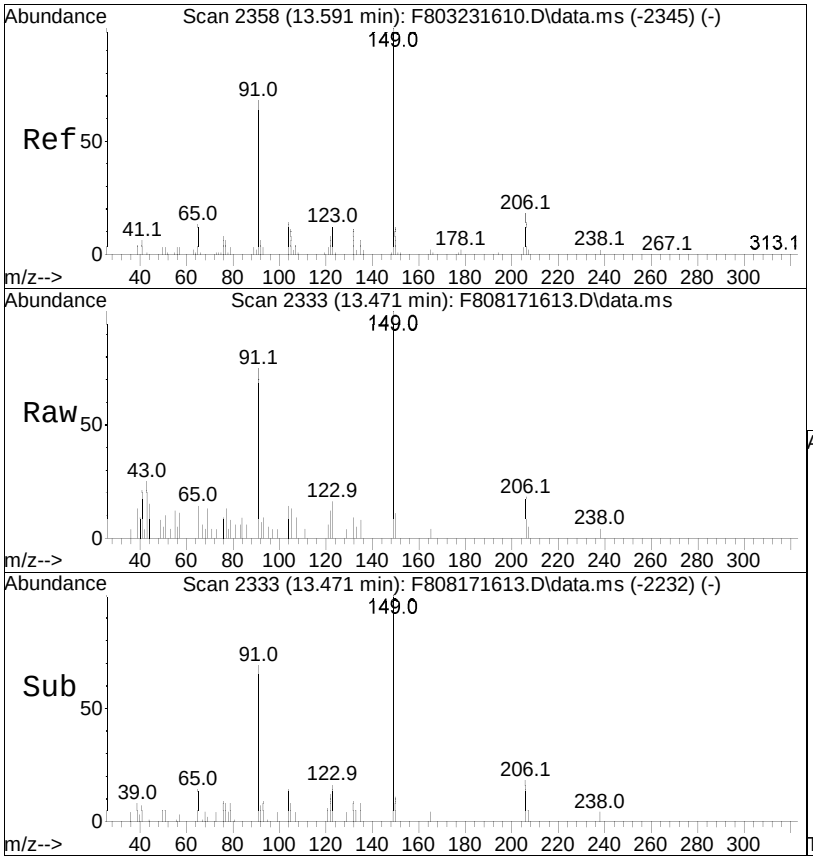


#74
Di-n-butylphthalate
Concen: 0.06 ug/mL
RT: 10.351 min Scan# 1685
Delta R.T. -0.010 min
Lab File: F808171613.D
Acq: 17 Aug 2016 5:23 pm

Tgt Ion:149 Resp: 14012

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.2
104	0.0	3.5	5.3#

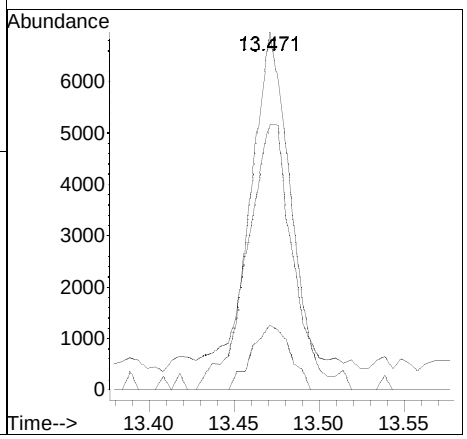


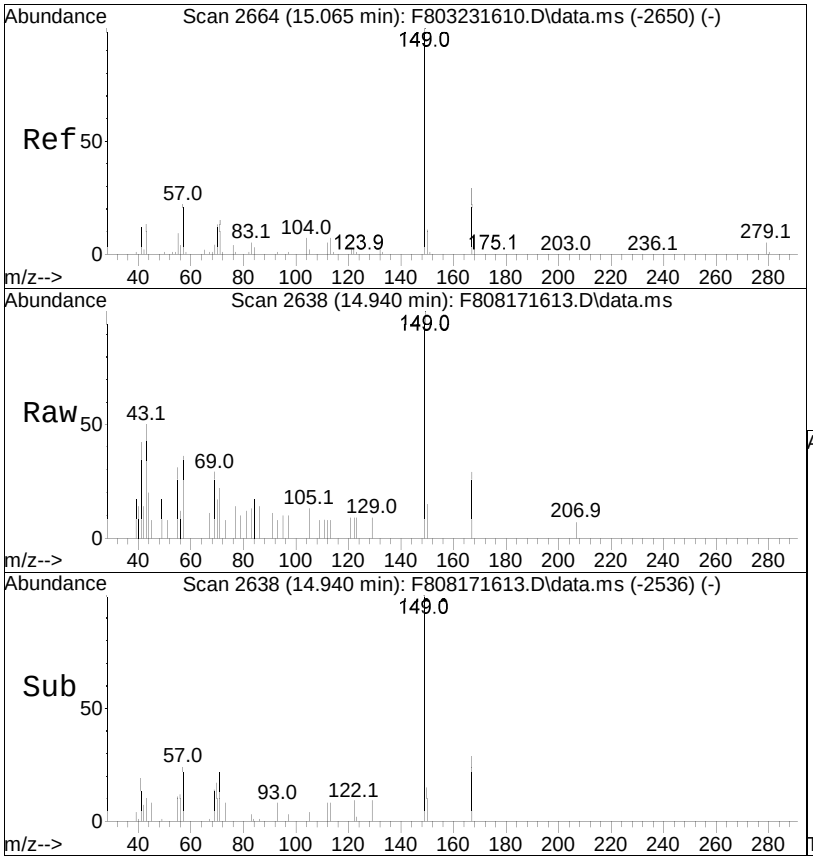


#80
Butylbenzylphthalate
Concen: 0.28 ug/mL
RT: 13.471 min Scan# 2333
Delta R.T. -0.014 min
Lab File: F808171613.D
Acq: 17 Aug 2016 5:23 pm

Tgt Ion:149 Resp: 11731

Ion	Ratio	Lower	Upper
149	100		
91	72.2	50.8	76.2
206	16.9	15.0	22.4

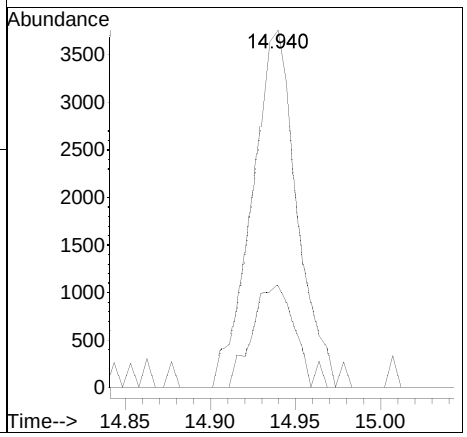




#84
bis(2-Ethylhexyl)phthalate
Concen: 0.24 ug/mL
RT: 14.940 min Scan# 2638
Delta R.T. -0.010 min
Lab File: F808171613.D
Acq: 17 Aug 2016 5:23 pm

Tgt Ion:149 Resp: 6962

Ion	Ratio	Lower	Upper
149	100		
167	27.3	23.8	35.6
279	0.0	4.0	6.0#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171614.D
Acq On : 17 Aug 2016 5:56 pm
Operator : BNA8:ML
Sample : L1625236-05
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 18 17:20:14 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.721	152	222825	5.000	ug/mL	0.00
21) Naphthalene-d8	5.882	136	838800	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.577	164	390498	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.368	188	704040	5.000	ug/mL	0.00
76) Chrysene-d12	14.607	240	611870	5.000	ug/mL	0.00
85) Perylene-d12	17.708	264	551420	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.667	112	439446M4	8.206	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 41.03%			
8) Phenol-d5	4.394	99	379455	5.849	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 29.24%			
22) Nitrobenzene-d5	5.217	82	870081	16.688	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 83.44%			
43) 2-Fluorobiphenyl	6.912	172	1549263	15.010	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 75.05%			
65) 2,4,6-Tribromophenol	8.444	330	156574	16.683	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 83.41%			
79) Terphenyl-d14	12.301	244	1639463	18.919	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 94.60%			

Target Compounds				Qvalue
2) N-Nitrosodimethylamine	0.000	0	N.D.	d
3) Pyridine	0.000	0	N.D.	
5) Benzaldehyde	0.000	0	N.D.	d
6) Aniline	0.000	0	N.D.	
7) bis(2-Chloroethyl)ether	0.000	0	N.D.	d
9) Phenol	0.000	0	N.D.	
10) 2-Chlorophenol	0.000	0	N.D.	
11) 1,3-Dichlorobenzene	0.000	0	N.D.	
12) 1,4-Dichlorobenzene	0.000	0	N.D.	
13) 1,2-Dichlorobenzene	0.000	0	N.D.	
14) Benzyl alcohol	0.000	0	N.D.	d
15) bis(2-chloroisopropyl)eth	0.000	0	N.D.	d
16) 2-Methylphenol	0.000	0	N.D.	d
17) Acetophenone	0.000	0	N.D.	
18) Hexachloroethane	0.000	0	N.D.	

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171614.D
Acq On : 17 Aug 2016 5:56 pm
Operator : BNA8:ML
Sample : L1625236-05
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 18 17:20:14 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	5.593	105	5231M4	1.149	ug/mL	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.	d	
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.253	113	2349	0.144	ug/ml#	24
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	7.784	168	1997	0.016	ug/mL#	81
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.	d	
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	8.029	149	6696	0.065	ug/mL#	60
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.	d	
70) Pentachloronitrobenzene	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171614.D
Acq On : 17 Aug 2016 5:56 pm
Operator : BNA8:ML
Sample : L1625236-05
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 18 17:20:14 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) Carbazole	9.734	167	5550	0.042	ug/mL#	92
74) Di-n-butylphthalate	10.350	149	8502	0.051	ug/mL#	78
77) Benzidine	0.000		0	N.D.		
80) Butylbenzylphthalate	13.471	149	17672	0.401	ug/mL	92
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.939	149	7756	0.272	ug/mL#	96
86) Di-n-octylphthalate	0.000		0	N.D. d		

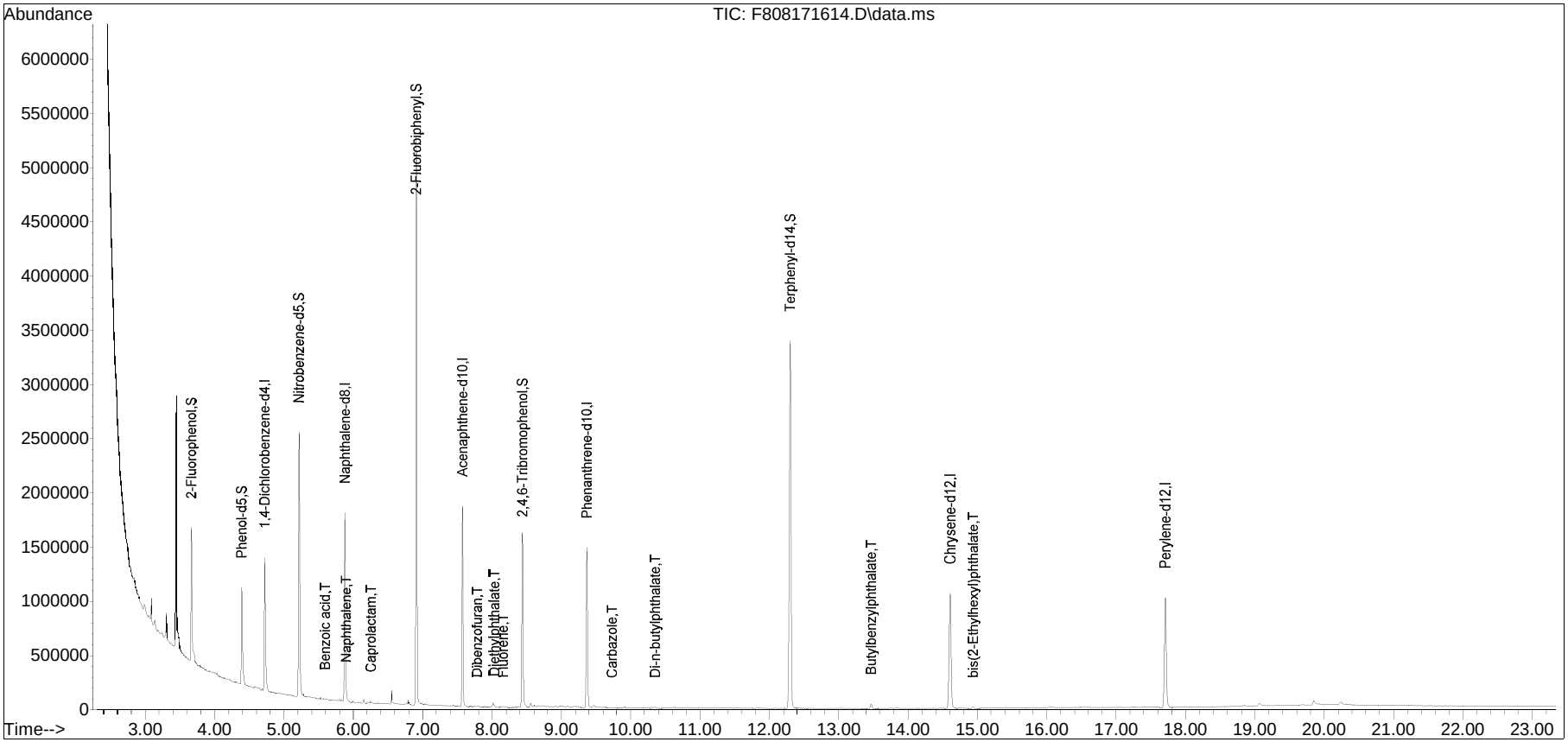
(#) = qualifier out of range (m) = manual integration (+) = signals summed

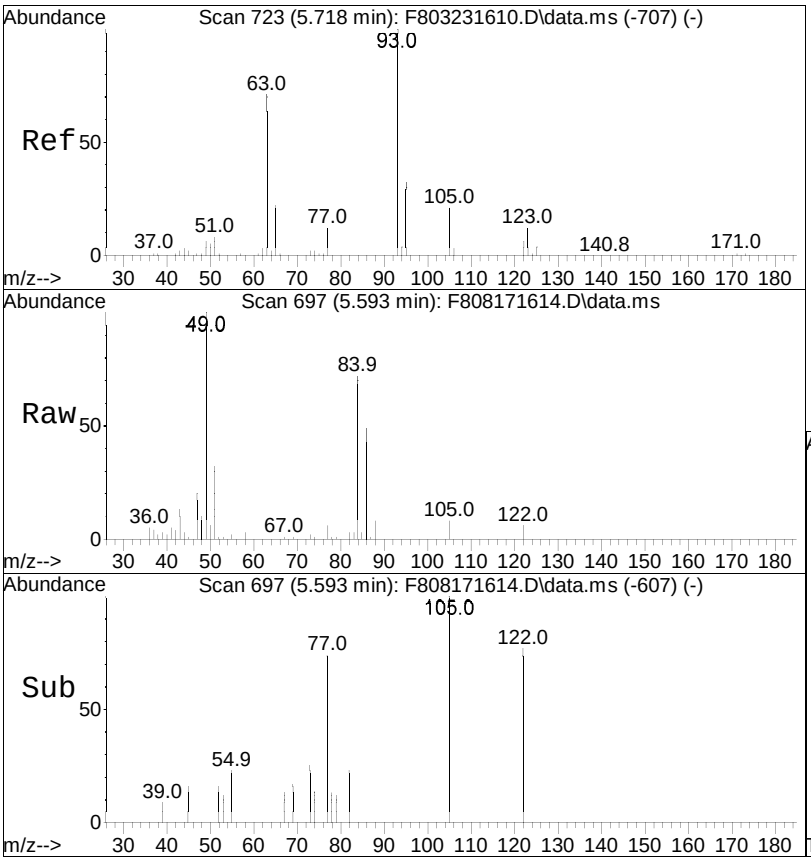
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171614.D
Acq On : 17 Aug 2016 5:56 pm
Operator : BNA8:ML
Sample : L1625236-05
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 18 17:20:14 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

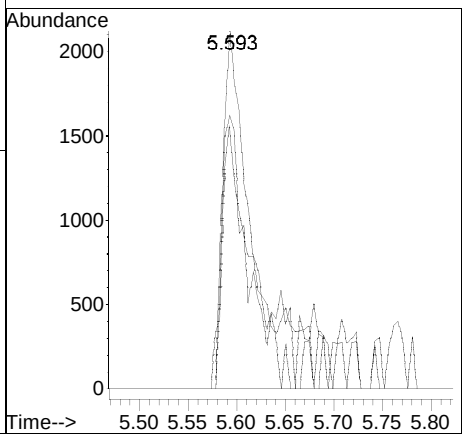


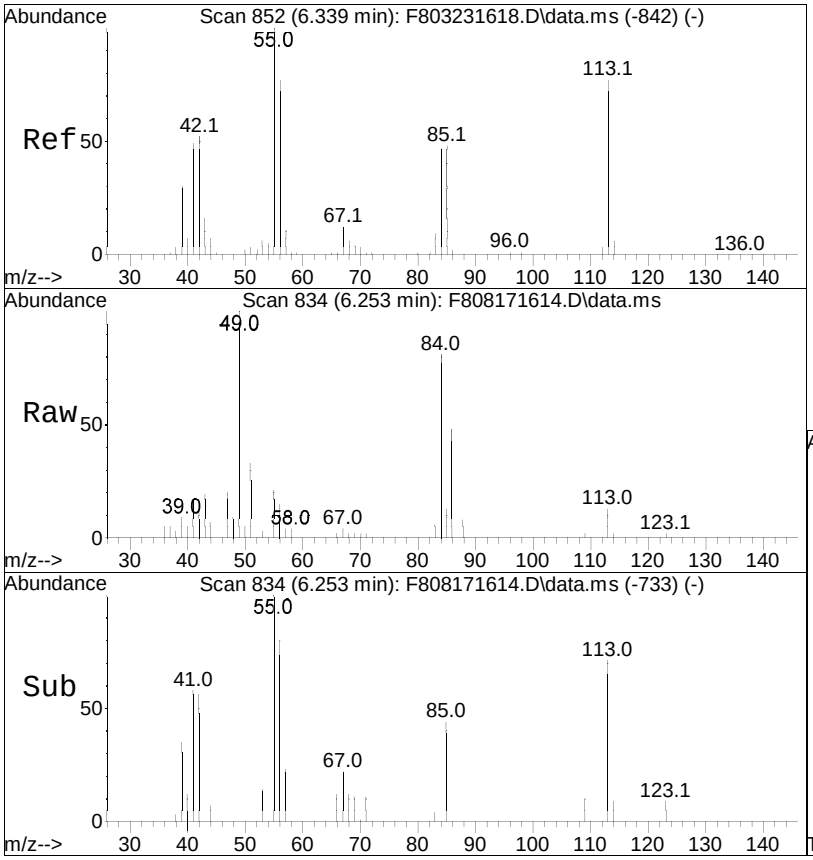


#27
Benzoic acid
Concen: 1.15 ug/mL M4
RT: 5.593 min Scan# 697
Delta R.T. -0.068 min
Lab File: F808171614.D
Acq: 17 Aug 2016 5:56 pm

Tgt Ion:105 Resp: 5231

Ion	Ratio	Lower	Upper
105	100		
122	58.1	70.9	106.3#
77	59.1	53.4	80.0

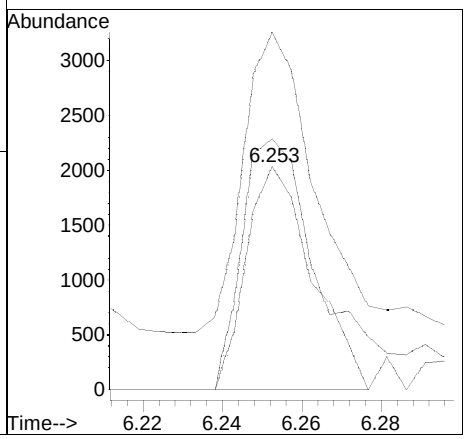


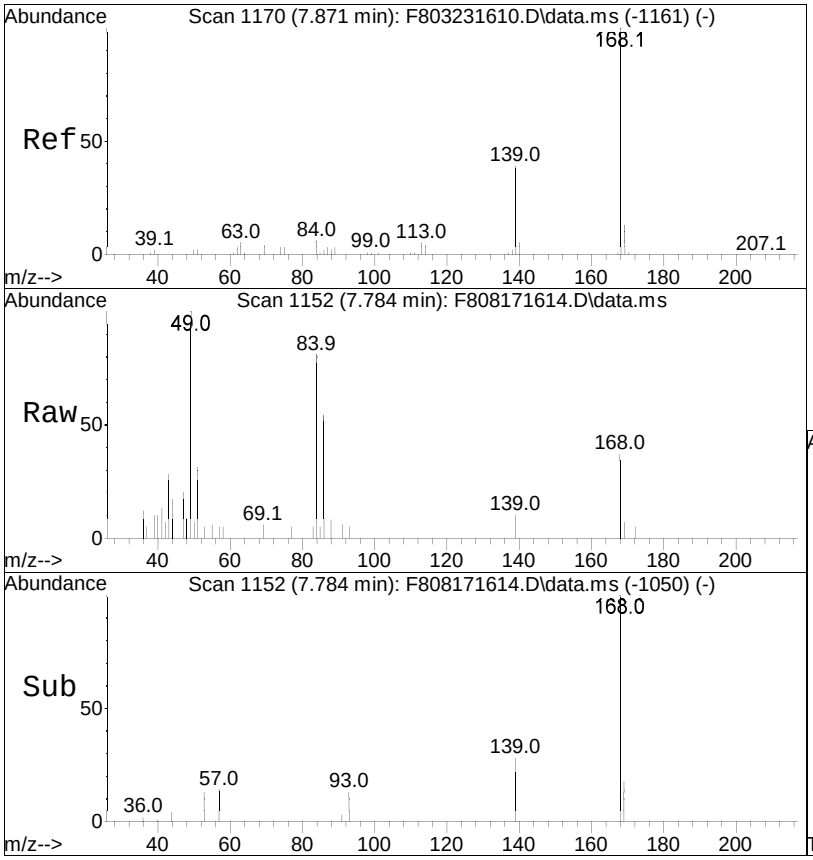


#35
Caprolactam
Concen: 0.14 ug/ml
RT: 6.253 min Scan# 834
Delta R.T. -0.015 min
Lab File: F808171614.D
Acq: 17 Aug 2016 5:56 pm

Tgt Ion:113 Resp: 2349

Ion	Ratio	Lower	Upper
113	100		
55	177.8	82.6	123.8#
56	147.8	63.0	94.6#

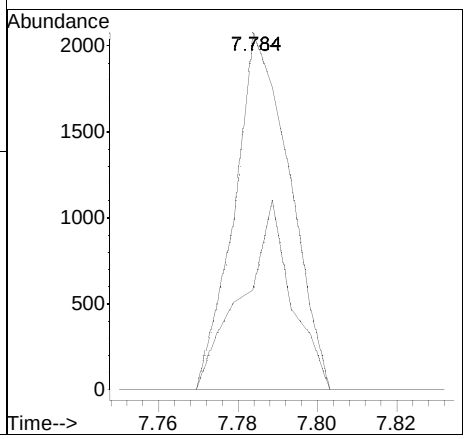


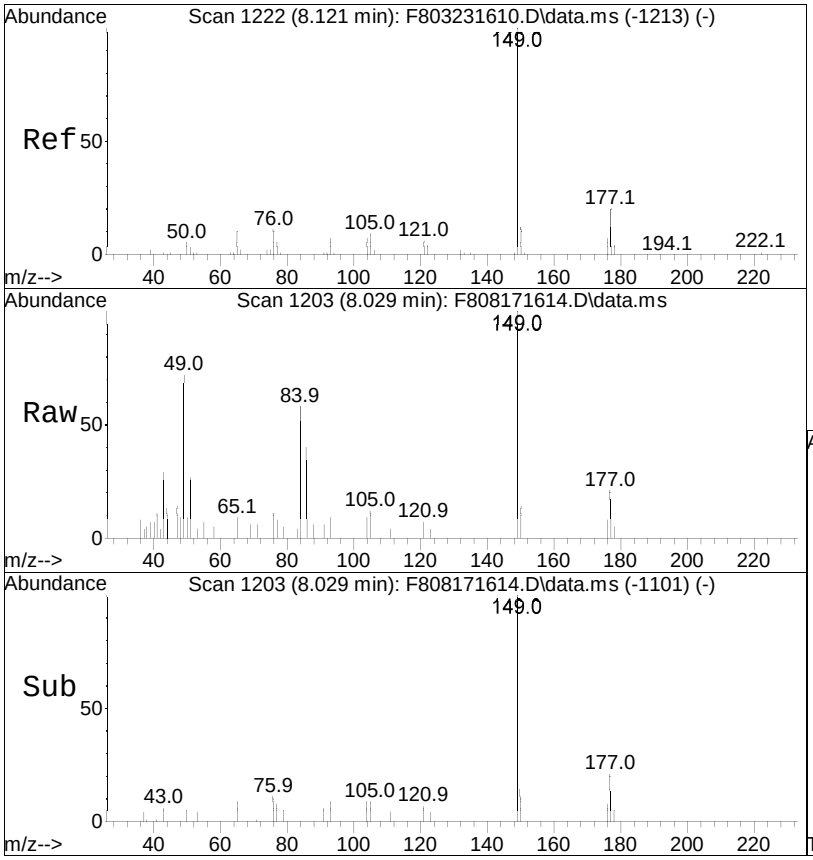


#53
Dibenzofuran
Concen: 0.02 ug/mL
RT: 7.784 min Scan# 1152
Delta R.T. -0.010 min
Lab File: F808171614.D
Acq: 17 Aug 2016 5:56 pm

Tgt Ion:168 Resp: 1997

Ion	Ratio	Lower	Upper
168	100		
139	47.3	28.8	43.2#

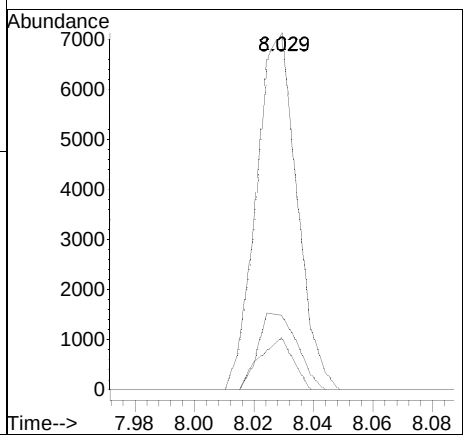


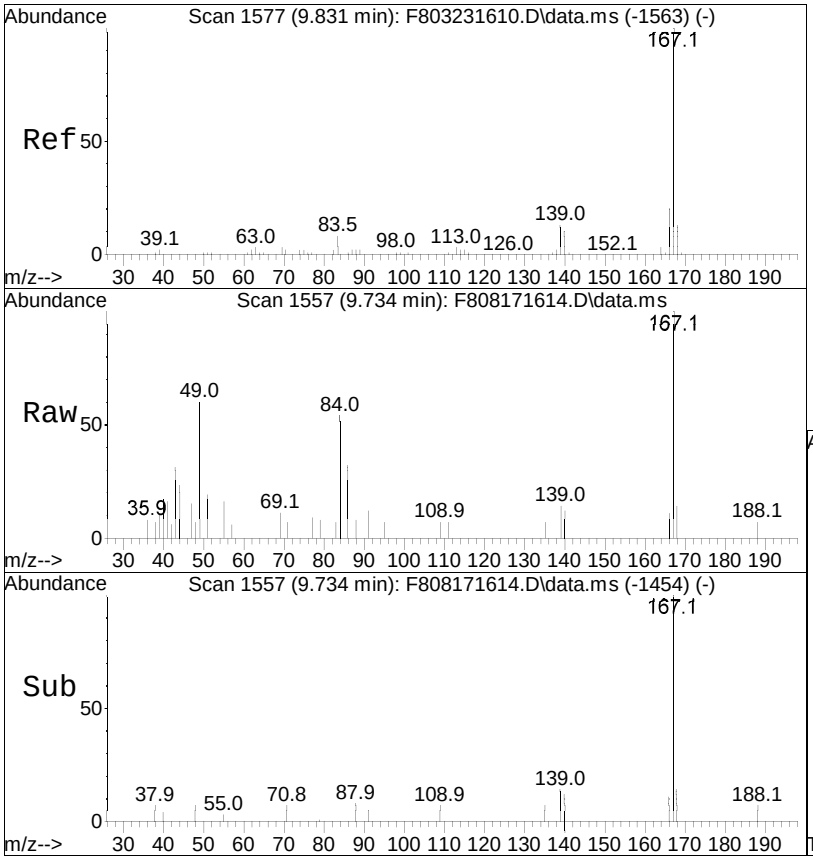


#59
Diethylphthalate
Concen: 0.06 ug/mL
RT: 8.029 min Scan# 1203
Delta R.T. -0.010 min
Lab File: F808171614.D
Acq: 17 Aug 2016 5:56 pm

Tgt Ion:149 Resp: 6696

Ion	Ratio	Lower	Upper
149	100		
177	0.0	16.6	24.8#
150	0.0	9.8	14.6#

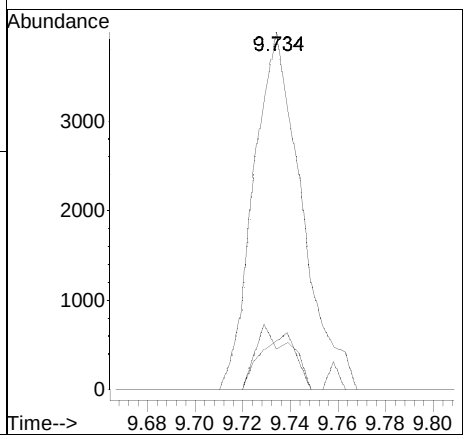


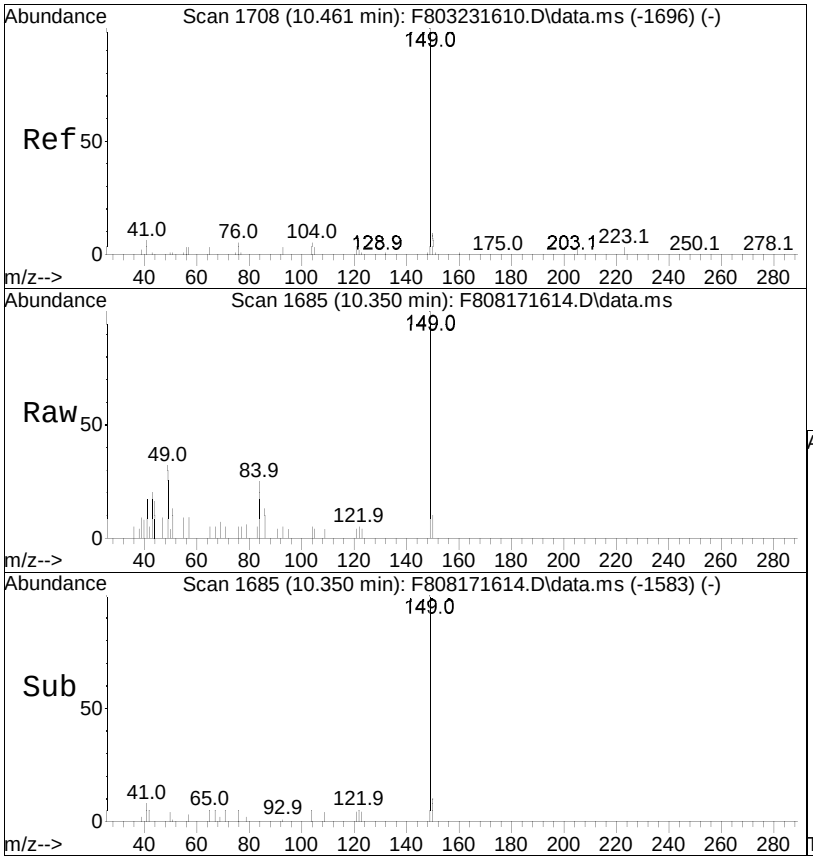


#73
Carbazole
Concen: 0.04 ug/mL
RT: 9.734 min Scan# 1557
Delta R.T. -0.005 min
Lab File: F808171614.D
Acq: 17 Aug 2016 5:56 pm

Tgt Ion:167 Resp: 5550

Ion	Ratio	Lower	Upper
167	100		
139	11.7	10.3	15.5
166	14.6	15.9	23.9#

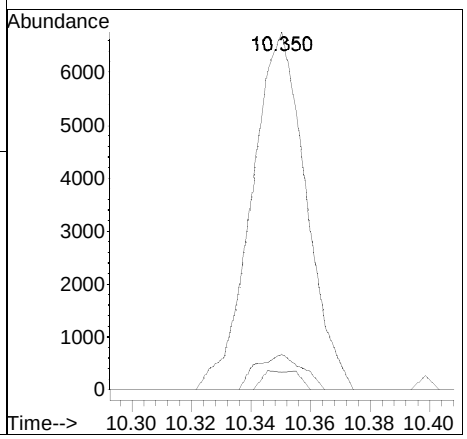


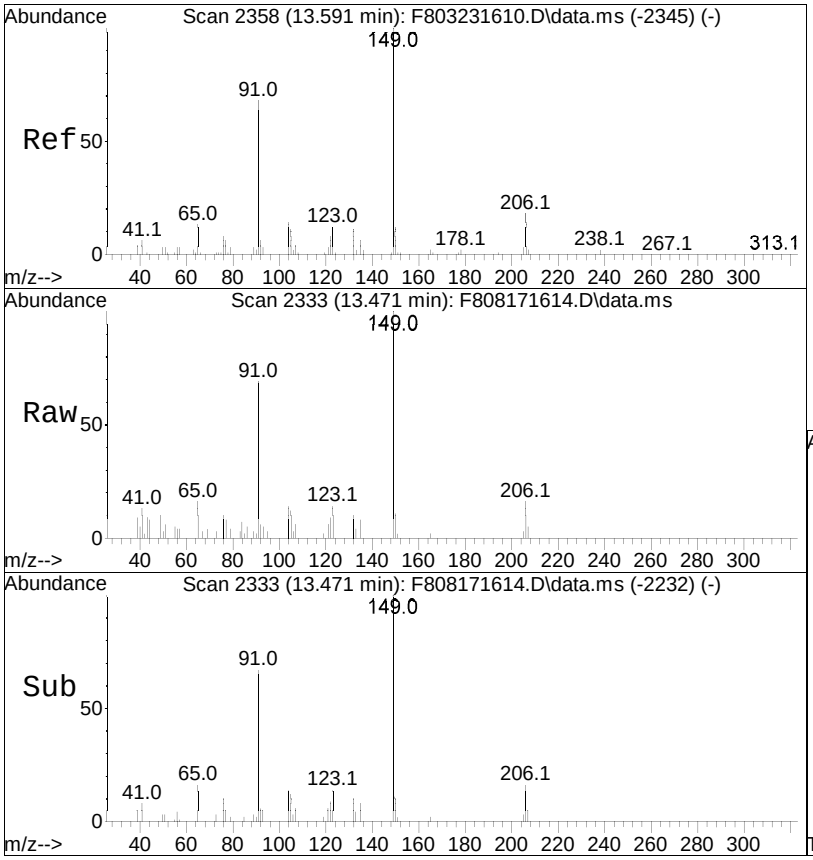


#74
Di-n-butylphthalate
Concen: 0.05 ug/mL
RT: 10.350 min Scan# 1685
Delta R.T. -0.010 min
Lab File: F808171614.D
Acq: 17 Aug 2016 5:56 pm

Tgt Ion:149 Resp: 8502

Ion	Ratio	Lower	Upper
149	100		
150	0.0	7.4	11.2#
104	0.0	3.5	5.3#

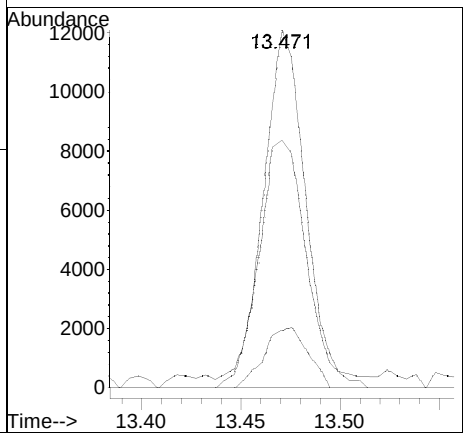


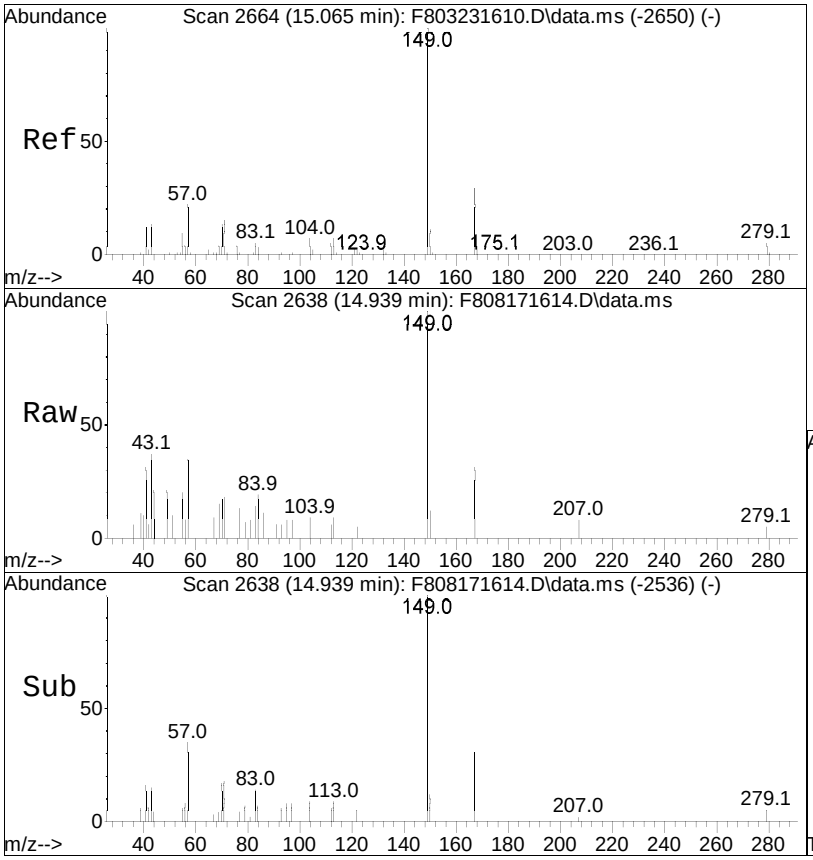


#80
Butylbenzylphthalate
Concen: 0.40 ug/mL
RT: 13.471 min Scan# 2333
Delta R.T. -0.015 min
Lab File: F808171614.D
Acq: 17 Aug 2016 5:56 pm

Tgt Ion:149 Resp: 17672

Ion	Ratio	Lower	Upper
149	100		
91	71.4	50.8	76.2
206	17.6	15.0	22.4

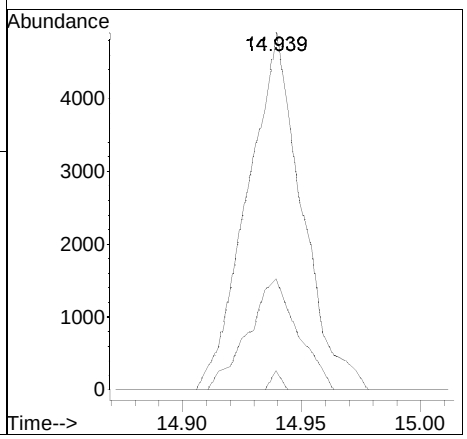




#84
bis(2-Ethylhexyl)phthalate
Concen: 0.27 ug/mL
RT: 14.939 min Scan# 2638
Delta R.T. -0.010 min
Lab File: F808171614.D
Acq: 17 Aug 2016 5:56 pm

Tgt Ion:149 Resp: 7756

Ion	Ratio	Lower	Upper
149	100		
167	28.5	23.8	35.6
279	0.0	4.0	6.0#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171615.D
Acq On : 17 Aug 2016 6:28 pm
Operator : BNA8:ML
Sample : L1625236-06
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 18 17:22:54 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.722	152	230080	5.000	ug/mL	0.00
21) Naphthalene-d8	5.877	136	851336	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.572	164	407940	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.368	188	729553	5.000	ug/mL	0.00
76) Chrysene-d12	14.603	240	639654	5.000	ug/mL	0.00
85) Perylene-d12	17.708	264	576773	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.667	112	432560M4	7.823	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 39.12%			
8) Phenol-d5	4.389	99	392556	5.861	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 29.30%			
22) Nitrobenzene-d5	5.213	82	854905	16.155	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 80.78%			
43) 2-Fluorobiphenyl	6.913	172	1538675	14.270	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 71.35%			
65) 2,4,6-Tribromophenol	8.439	330	149569	15.379	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 76.89%			
79) Terphenyl-d14	12.301	244	1673066	18.468	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 92.34%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.	d	
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.	d	
14) Benzyl alcohol	0.000		0	N.D.	d	
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.	d	
16) 2-Methylphenol	0.000		0	N.D.	d	
17) Acetophenone	0.000		0	N.D.		
18) Hexachloroethane	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171615.D
Acq On : 17 Aug 2016 6:28 pm
Operator : BNA8:ML
Sample : L1625236-06
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 18 17:22:54 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	5.593	105	4182M4	1.120	ug/mL	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.253	113	3731	0.225	ug/ml#	67
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.		
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.	d	
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	8.025	149	14493	0.134	ug/mL	99
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.	d	
70) Pentachloronitrobenzene	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171615.D
Acq On : 17 Aug 2016 6:28 pm
Operator : BNA8:ML
Sample : L1625236-06
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 18 17:22:54 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	10.351	149	9878	0.057	ug/mL#	93
77) Benzidine	0.000		0	N.D.		
80) Butylbenzylphthalate	13.471	149	6110	0.251	ug/mL	89
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.935	149	3498	0.230	ug/mL#	85
86) Di-n-octylphthalate	0.000		0	N.D. d		

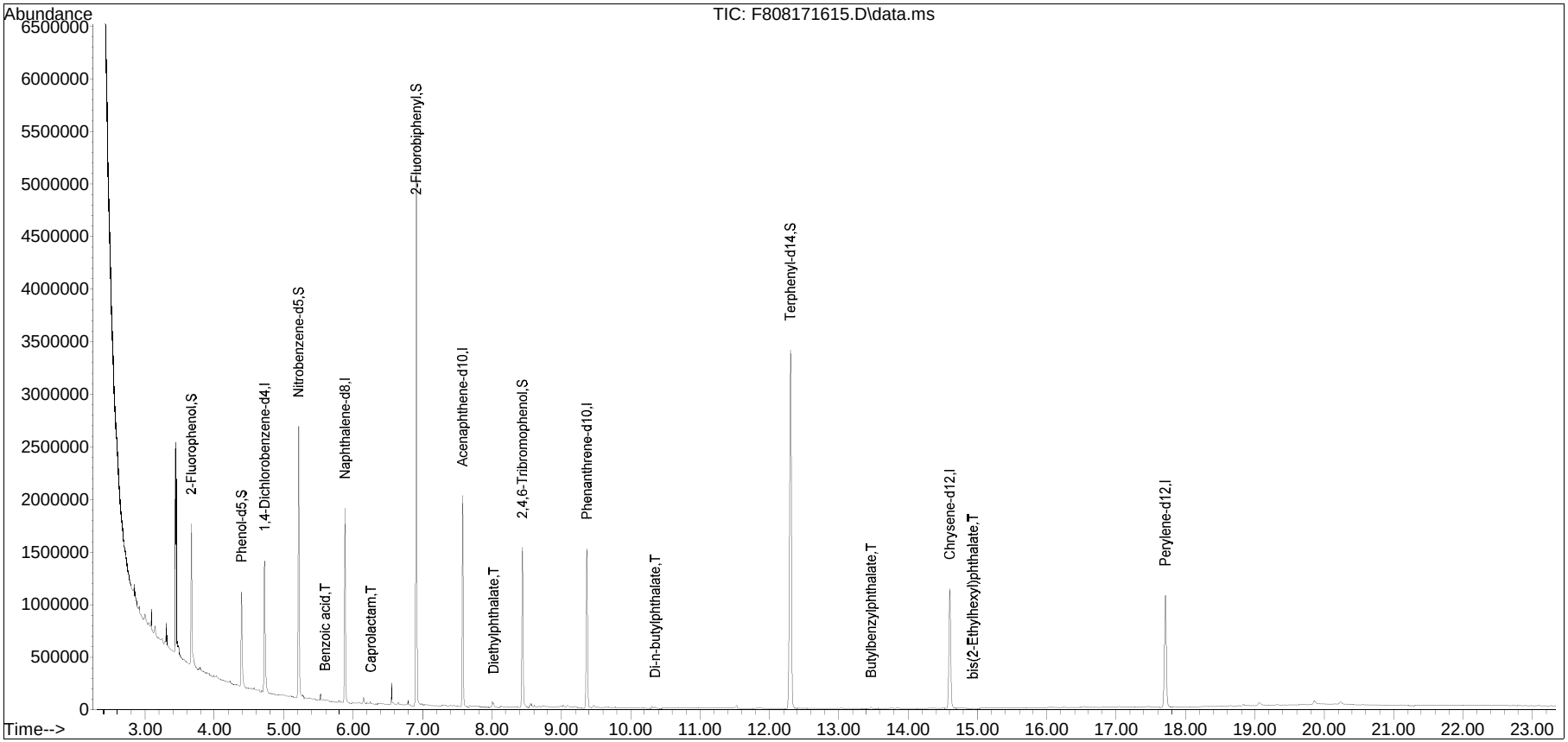
(#) = qualifier out of range (m) = manual integration (+) = signals summed

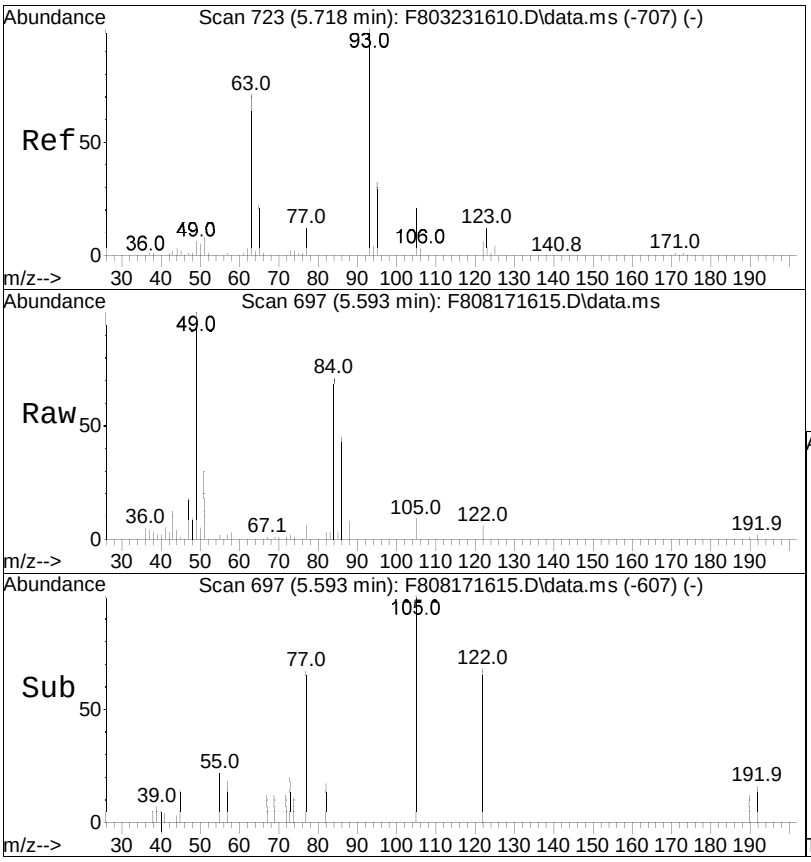
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171615.D
Acq On : 17 Aug 2016 6:28 pm
Operator : BNA8:ML
Sample : L1625236-06
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 18 17:22:54 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

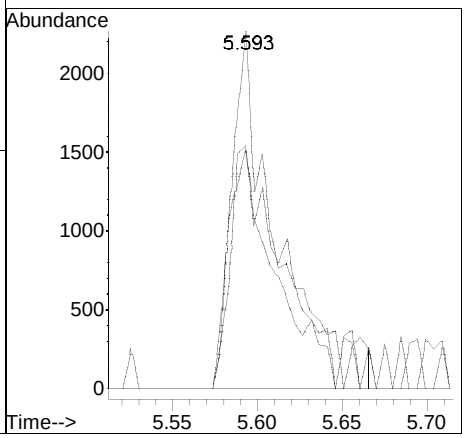


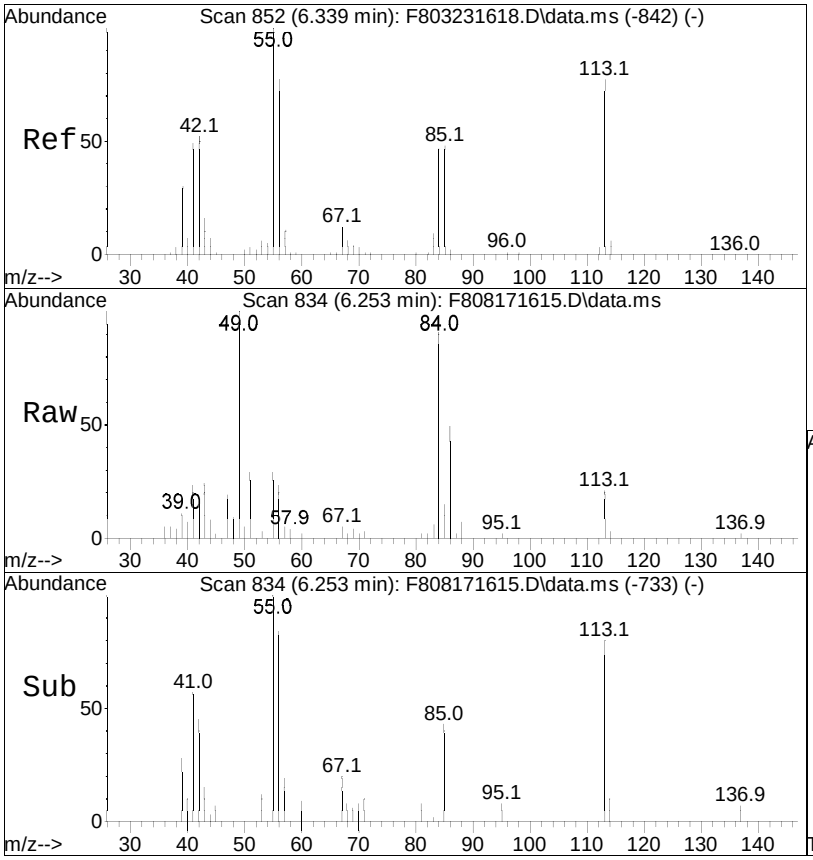


#27
Benzoic acid
Concen: 1.12 ug/mL M4
RT: 5.593 min Scan# 697
Delta R.T. -0.067 min
Lab File: F808171615.D
Acq: 17 Aug 2016 6:28 pm

Tgt Ion:105 Resp: 4182

Ion	Ratio	Lower	Upper
105	100		
122	0.0	70.9	106.3#
77	9.6	53.4	80.0#

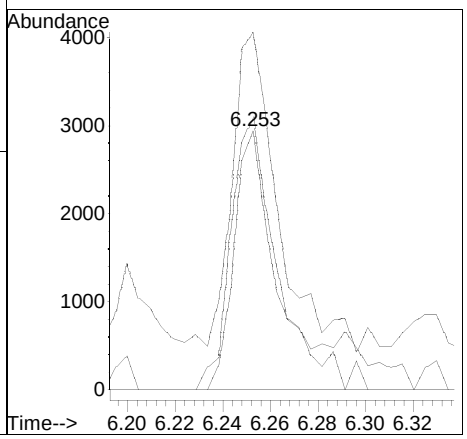


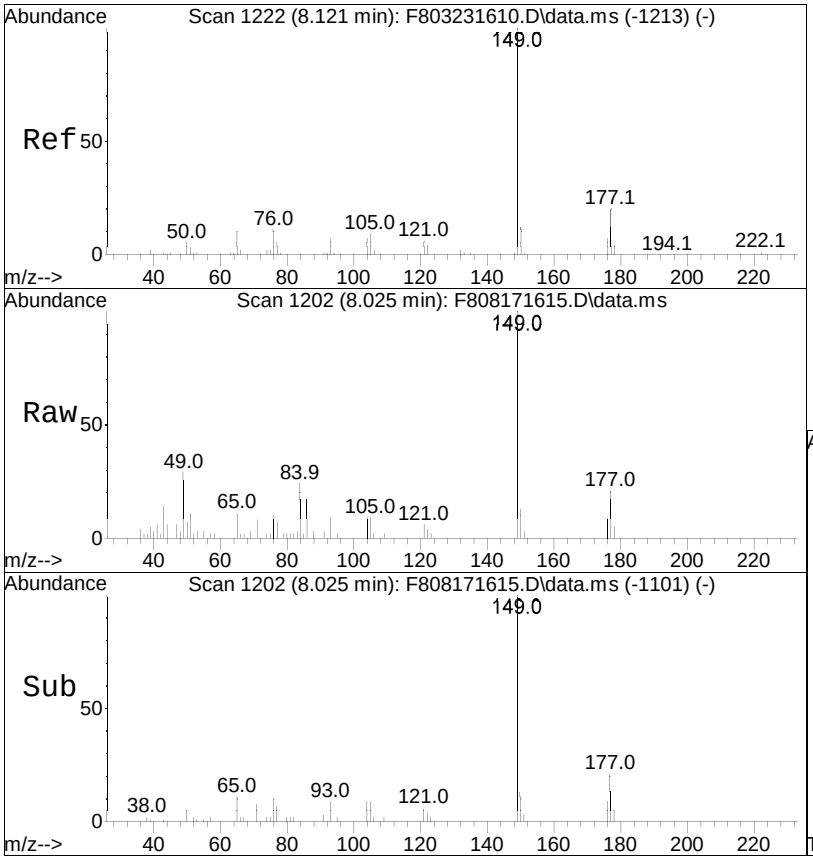


#35
Caprolactam
Concen: 0.23 ug/ml
RT: 6.253 min Scan# 834
Delta R.T. -0.014 min
Lab File: F808171615.D
Acq: 17 Aug 2016 6:28 pm

Tgt Ion:113 Resp: 3731

Ion	Ratio	Lower	Upper
113	100		
55	121.0	82.6	123.8
56	125.5	63.0	94.6#

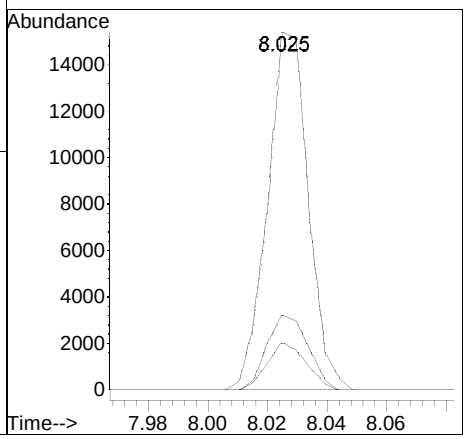


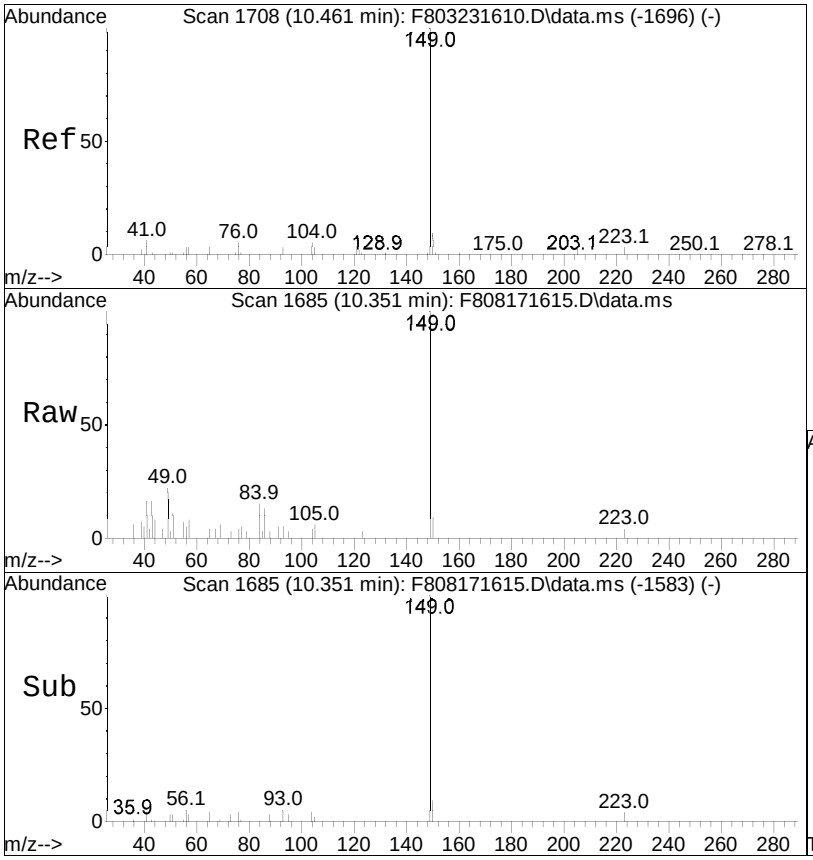


#59
Diethylphthalate
Concen: 0.13 ug/mL
RT: 8.025 min Scan# 1202
Delta R.T. -0.014 min
Lab File: F808171615.D
Acq: 17 Aug 2016 6:28 pm

Tgt Ion:149 Resp: 14493

Ion	Ratio	Lower	Upper
149	100		
177	21.2	16.6	24.8
150	12.8	9.8	14.6

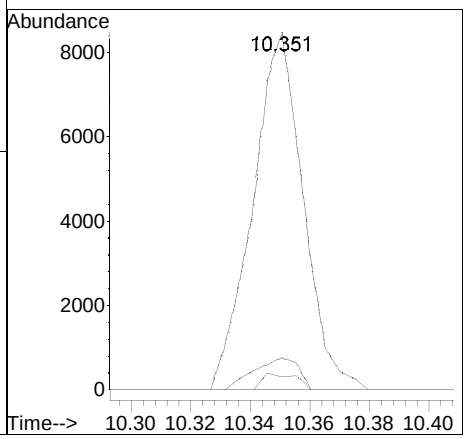


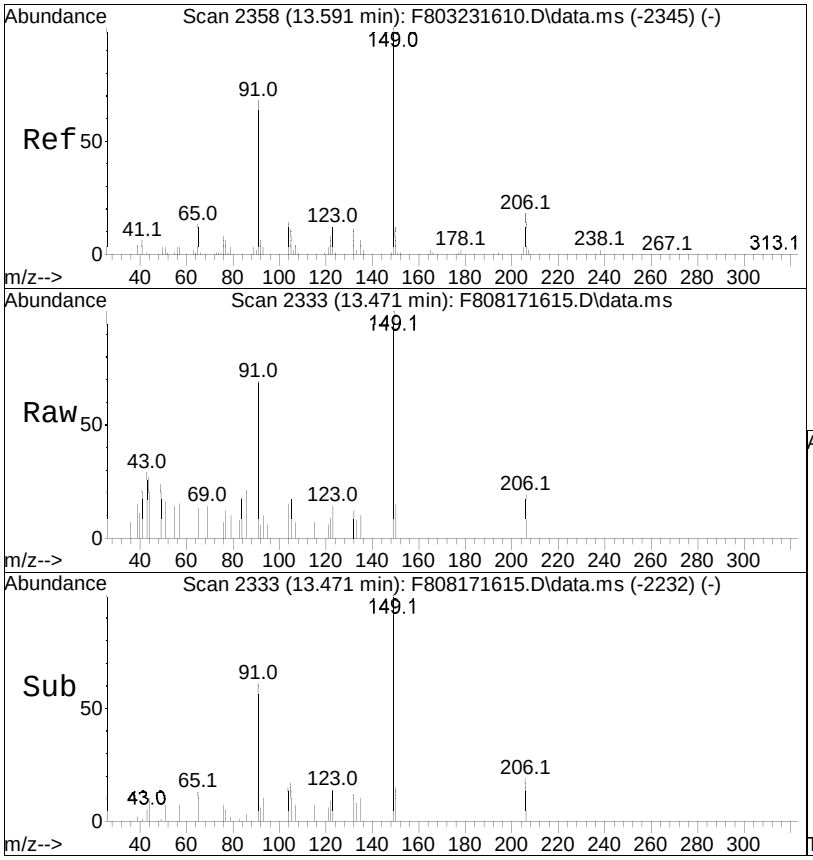


#74
Di-n-butylphthalate
Concen: 0.06 ug/mL
RT: 10.351 min Scan# 1685
Delta R.T. -0.010 min
Lab File: F808171615.D
Acq: 17 Aug 2016 6:28 pm

Tgt Ion:149 Resp: 9878

Ion	Ratio	Lower	Upper
149	100		
150	7.9	7.4	11.2
104	0.0	3.5	5.3#

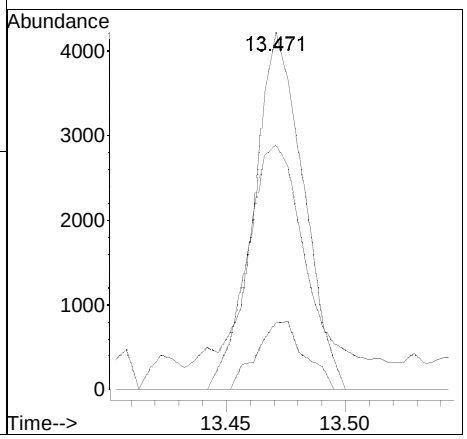


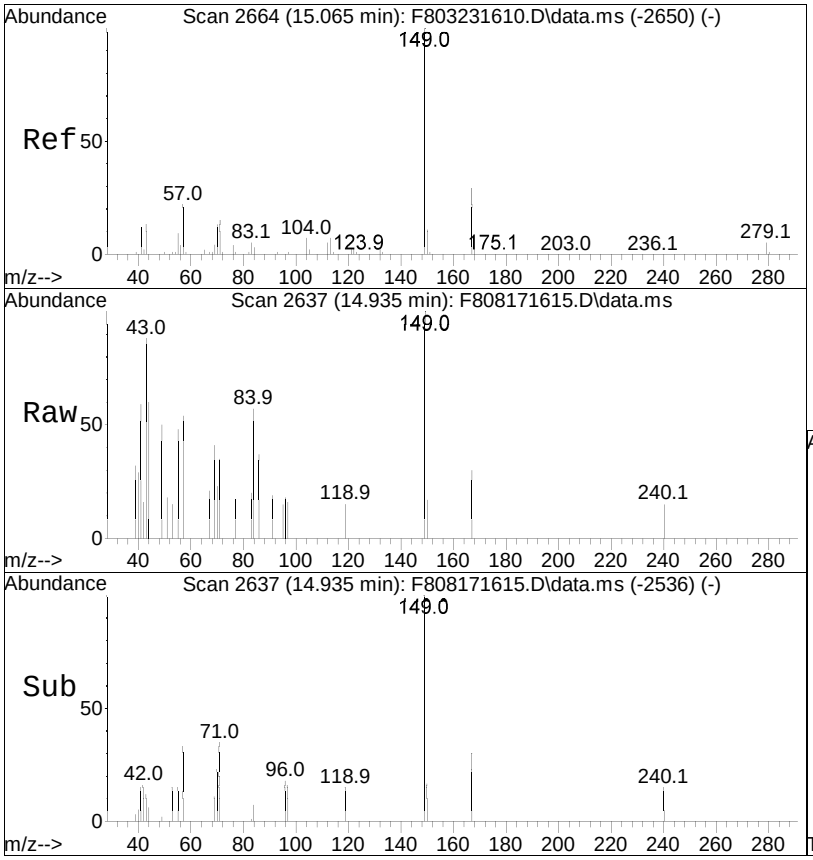


#80
Butylbenzylphthalate
Concen: 0.25 ug/mL
RT: 13.471 min Scan# 2333
Delta R.T. -0.014 min
Lab File: F808171615.D
Acq: 17 Aug 2016 6:28 pm

Tgt Ion:149 Resp: 6110

Ion	Ratio	Lower	Upper
149	100		
91	74.5	50.8	76.2
206	18.5	15.0	22.4

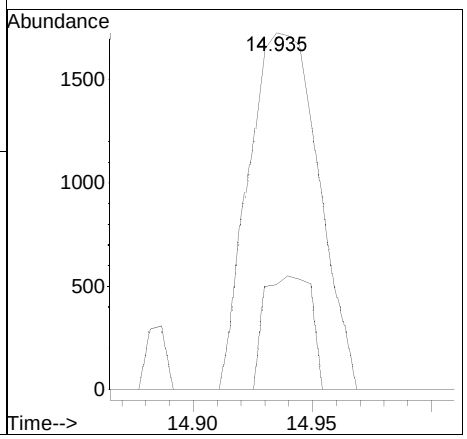




#84
bis(2-Ethylhexyl)phthalate
Concen: 0.23 ug/mL
RT: 14.935 min Scan# 2637
Delta R.T. -0.014 min
Lab File: F808171615.D
Acq: 17 Aug 2016 6:28 pm

Tgt Ion:149 Resp: 3498

Ion	Ratio	Lower	Upper
149	100		
167	21.6	23.8	35.6#
279	0.0	4.0	6.0#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171616.D
Acq On : 17 Aug 2016 7:00 pm
Operator : BNA8:ML
Sample : L1625236-07
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 18 17:25:55 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.722	152	290145	5.000	ug/mL	0.00
21) Naphthalene-d8	5.877	136	1121049	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.572	164	528314	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.368	188	996138	5.000	ug/mL	0.00
76) Chrysene-d12	14.607	240	877508	5.000	ug/mL	0.00
85) Perylene-d12	17.709	264	837879	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.672	112	564926	8.101	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 40.51%			
8) Phenol-d5	4.389	99	495829	5.870	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 29.35%			
22) Nitrobenzene-d5	5.213	82	1233667	17.704	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 88.52%			
43) 2-Fluorobiphenyl	6.913	172	2249690	16.111	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 80.55%			
65) 2,4,6-Tribromophenol	8.444	330	225170	16.957	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 84.78%			
79) Terphenyl-d14	12.306	244	2361188	18.999	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 94.99%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.	d	
9) Phenol	0.000		0	N.D.	d	
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.	d	
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.	d	
16) 2-Methylphenol	0.000		0	N.D.	d	
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171616.D
Acq On : 17 Aug 2016 7:00 pm
Operator : BNA8:ML
Sample : L1625236-07
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 18 17:25:55 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	5.588	105	10052	1.207	ug/mL	90
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.253	113	4598	0.211	ug/ml#	54
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.	d	
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	8.025	149	15896	0.113	ug/mL	99
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.	d	
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.	d	

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171616.D
Acq On : 17 Aug 2016 7:00 pm
Operator : BNA8:ML
Sample : L1625236-07
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 18 17:25:55 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Di-n-butylphthalate	10.351	149	14158	0.060	ug/mL#	94
77) Benzidine	0.000		0	N.D.		
80) Butylbenzylphthalate	13.471	149	10726	0.272	ug/mL	90
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.940	149	610884	4.279	ug/mL	99
86) Di-n-octylphthalate	0.000		0	N.D. d		

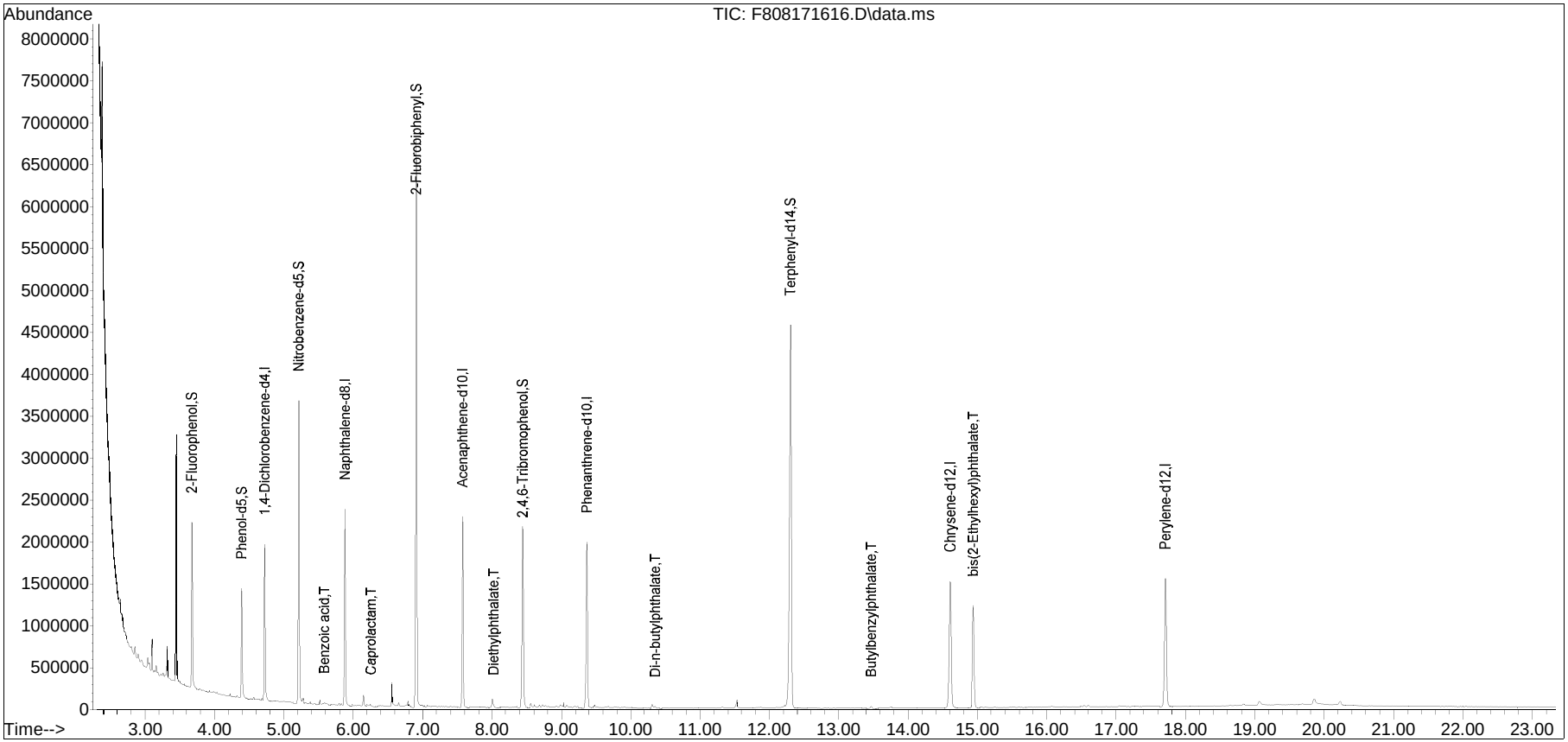
(#) = qualifier out of range (m) = manual integration (+) = signals summed

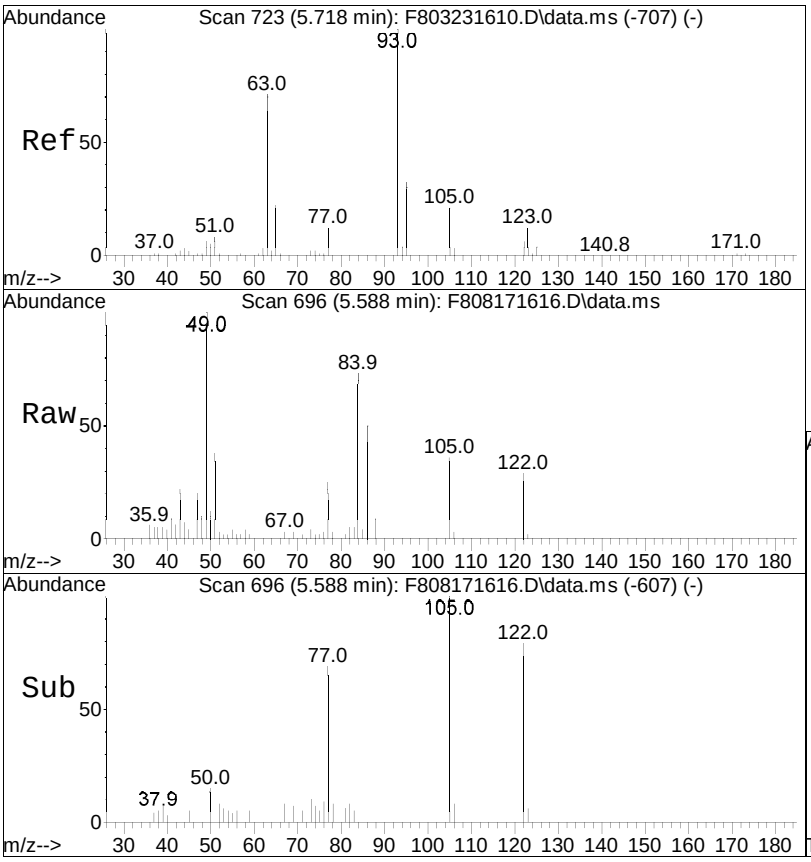
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171616.D
Acq On : 17 Aug 2016 7:00 pm
Operator : BNA8:ML
Sample : L1625236-07
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 18 17:25:55 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

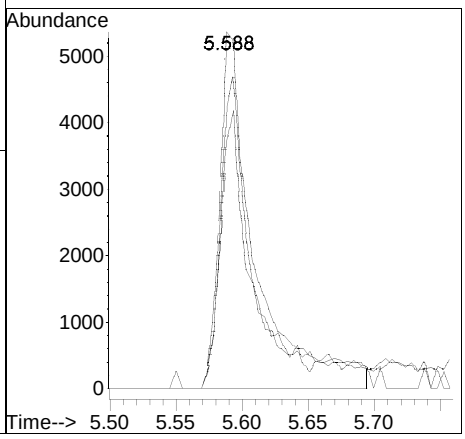


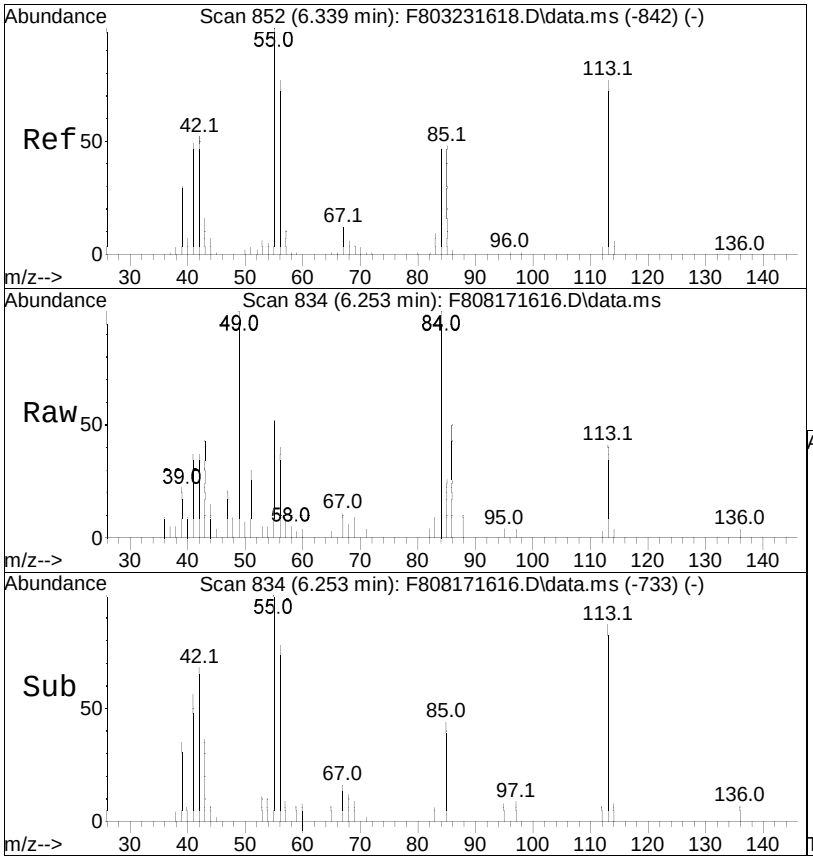


#27
Benzoic acid
Concen: 1.21 ug/mL
RT: 5.588 min Scan# 696
Delta R.T. -0.072 min
Lab File: F808171616.D
Acq: 17 Aug 2016 7:00 pm

Tgt Ion:105 Resp: 10052

Ion	Ratio	Lower	Upper
105	100		
122	74.2	70.9	106.3
77	63.7	53.4	80.0

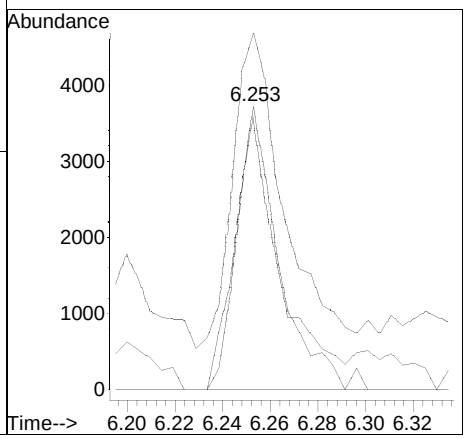


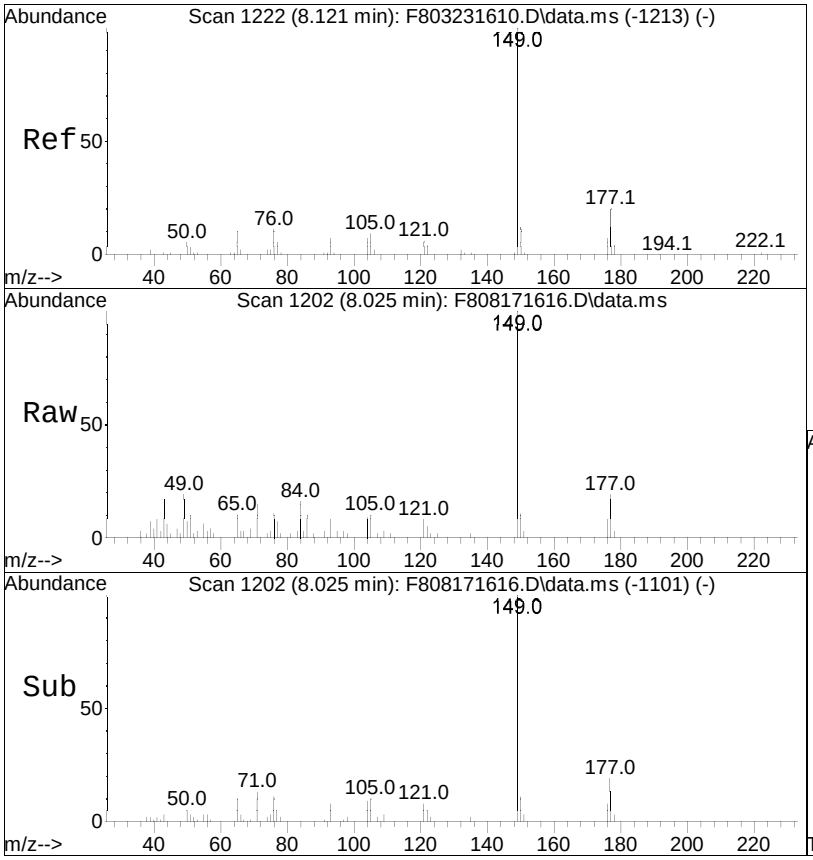


#35
Caprolactam
Concen: 0.21 ug/ml
RT: 6.253 min Scan# 834
Delta R.T. -0.014 min
Lab File: F808171616.D
Acq: 17 Aug 2016 7:00 pm

Tgt Ion:113 Resp: 4598

Ion	Ratio	Lower	Upper
113	100		
55	146.7	82.6	123.8#
56	122.0	63.0	94.6#

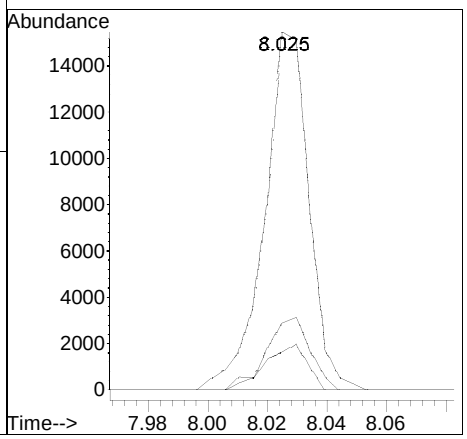


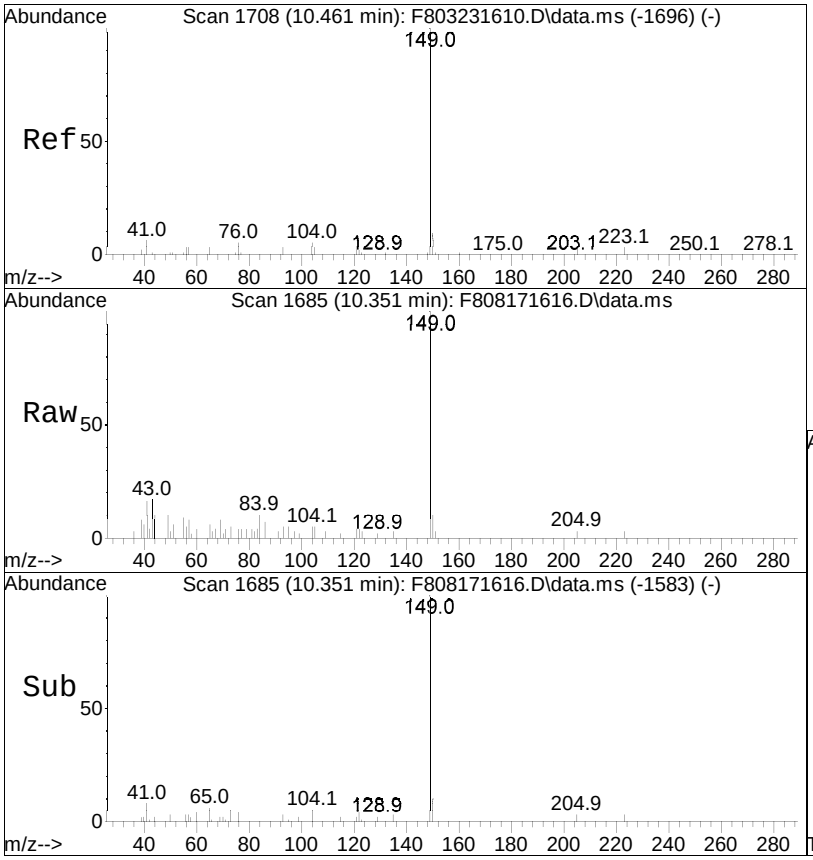


#59
Diethylphthalate
Concen: 0.11 ug/mL
RT: 8.025 min Scan# 1202
Delta R.T. -0.014 min
Lab File: F808171616.D
Acq: 17 Aug 2016 7:00 pm

Tgt Ion:149 Resp: 15896

Ion	Ratio	Lower	Upper
149	100		
177	20.1	16.6	24.8
150	12.1	9.8	14.6

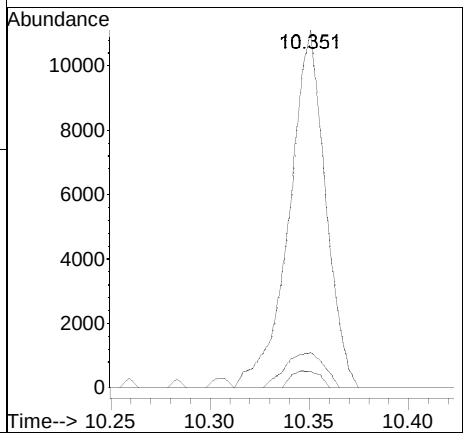


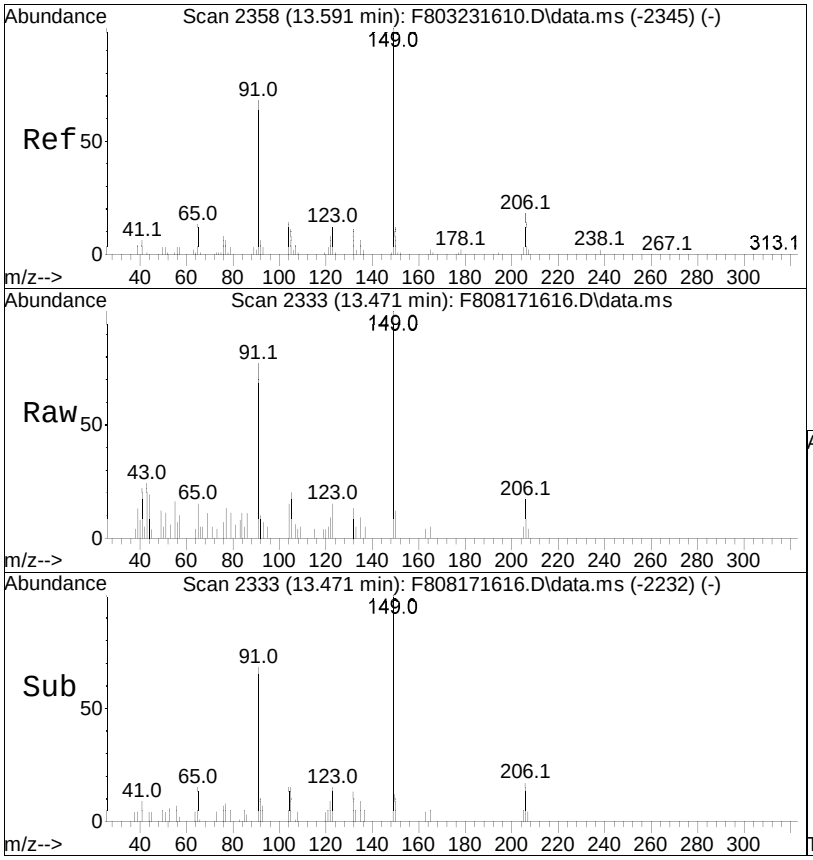


#74
Di-n-butylphthalate
Concen: 0.06 ug/mL
RT: 10.351 min Scan# 1685
Delta R.T. -0.010 min
Lab File: F808171616.D
Acq: 17 Aug 2016 7:00 pm

Tgt Ion:149 Resp: 14158

Ion	Ratio	Lower	Upper
149	100		
150	10.5	7.4	11.2
104	0.0	3.5	5.3#

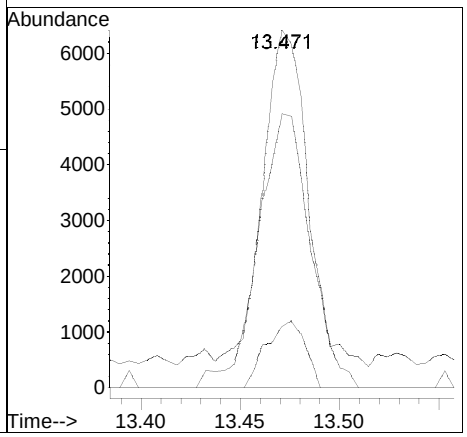


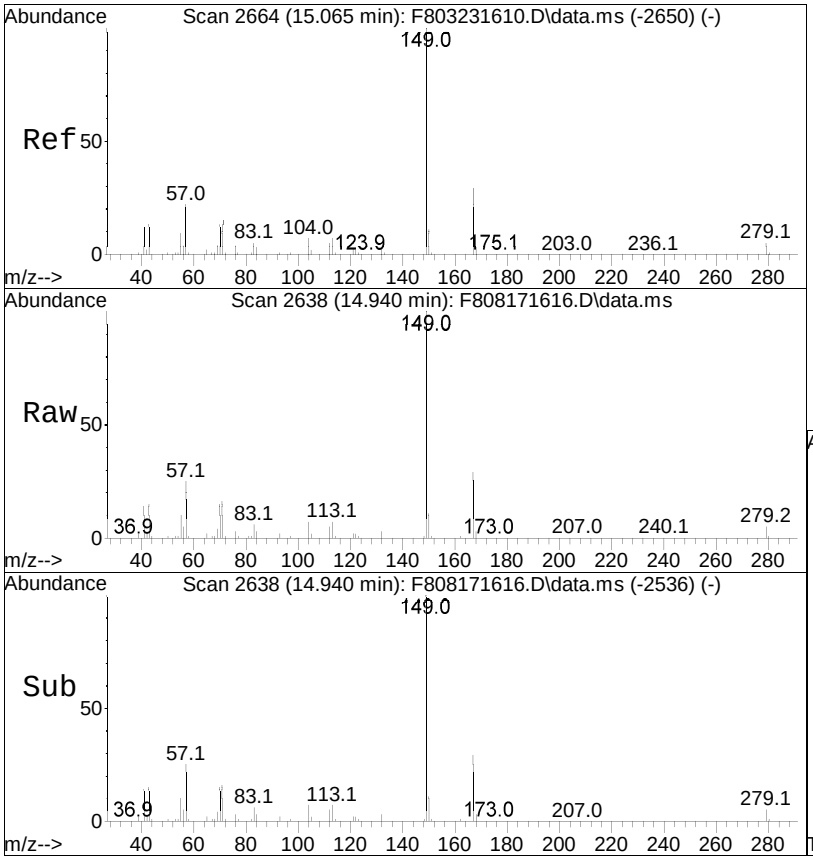


#80
Butylbenzylphthalate
Concen: 0.27 ug/mL
RT: 13.471 min Scan# 2333
Delta R.T. -0.014 min
Lab File: F808171616.D
Acq: 17 Aug 2016 7:00 pm

Tgt Ion:149 Resp: 10726

Ion	Ratio	Lower	Upper
149	100		
91	72.1	50.8	76.2
206	15.3	15.0	22.4

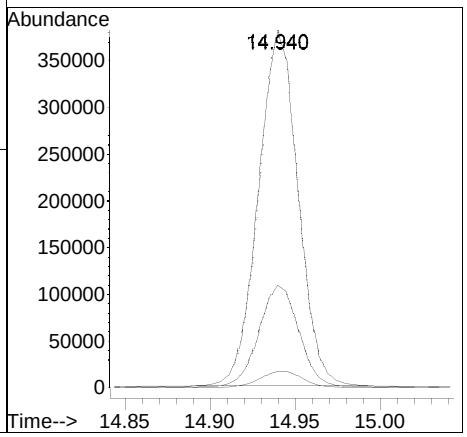




#84
bis(2-Ethylhexyl)phthalate
Concen: 4.28 ug/mL
RT: 14.940 min Scan# 2638
Delta R.T. -0.010 min
Lab File: F808171616.D
Acq: 17 Aug 2016 7:00 pm

Tgt Ion:149 Resp: 610884

Ion	Ratio	Lower	Upper
149	100		
167	29.1	23.8	35.6
279	4.8	4.0	6.0



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171617.D
Acq On : 17 Aug 2016 7:32 pm
Operator : BNA8:ML
Sample : L1625236-08
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 18 17:29:31 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.722	152	267459	5.000	ug/mL	0.00
21) Naphthalene-d8	5.877	136	1003972	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.572	164	475637	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.364	188	875647	5.000	ug/mL	0.00
76) Chrysene-d12	14.607	240	792898	5.000	ug/mL	0.00
85) Perylene-d12	17.713	264	746954	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.677	112	525162	8.170	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 40.85%			
8) Phenol-d5	4.394	99	460305	5.912	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 29.56%			
22) Nitrobenzene-d5	5.213	82	1044365	16.735	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 83.67%			
43) 2-Fluorobiphenyl	6.913	172	1929885	15.351	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 76.76%			
65) 2,4,6-Tribromophenol	8.439	330	207848	17.806	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 89.03%			
79) Terphenyl-d14	12.306	244	2087331	18.588	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 92.94%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.	d	
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.	d	
16) 2-Methylphenol	0.000		0	N.D.	d	
17) Acetophenone	0.000		0	N.D.		
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171617.D
Acq On : 17 Aug 2016 7:32 pm
Operator : BNA8:ML
Sample : L1625236-08
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 18 17:29:31 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	5.593	105	8774	1.202	ug/mL#	85
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.	d	
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.253	113	4605	0.236	ug/ml#	64
36) 4-Chloro-3-methylphenol	0.000		0	N.D.	d	
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.	d	
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.	d	
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.	d	
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171617.D
Acq On : 17 Aug 2016 7:32 pm
Operator : BNA8:ML
Sample : L1625236-08
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 18 17:29:31 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Di-n-butylphthalate	0.000		0	N.D.	d	
77) Benzidine	0.000		0	N.D.		
80) Butylbenzylphthalate	13.471	149	9420	0.269	ug/mL	94
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.940	149	250843	2.052	ug/mL	99
86) Di-n-octylphthalate	0.000		0	N.D.	d	

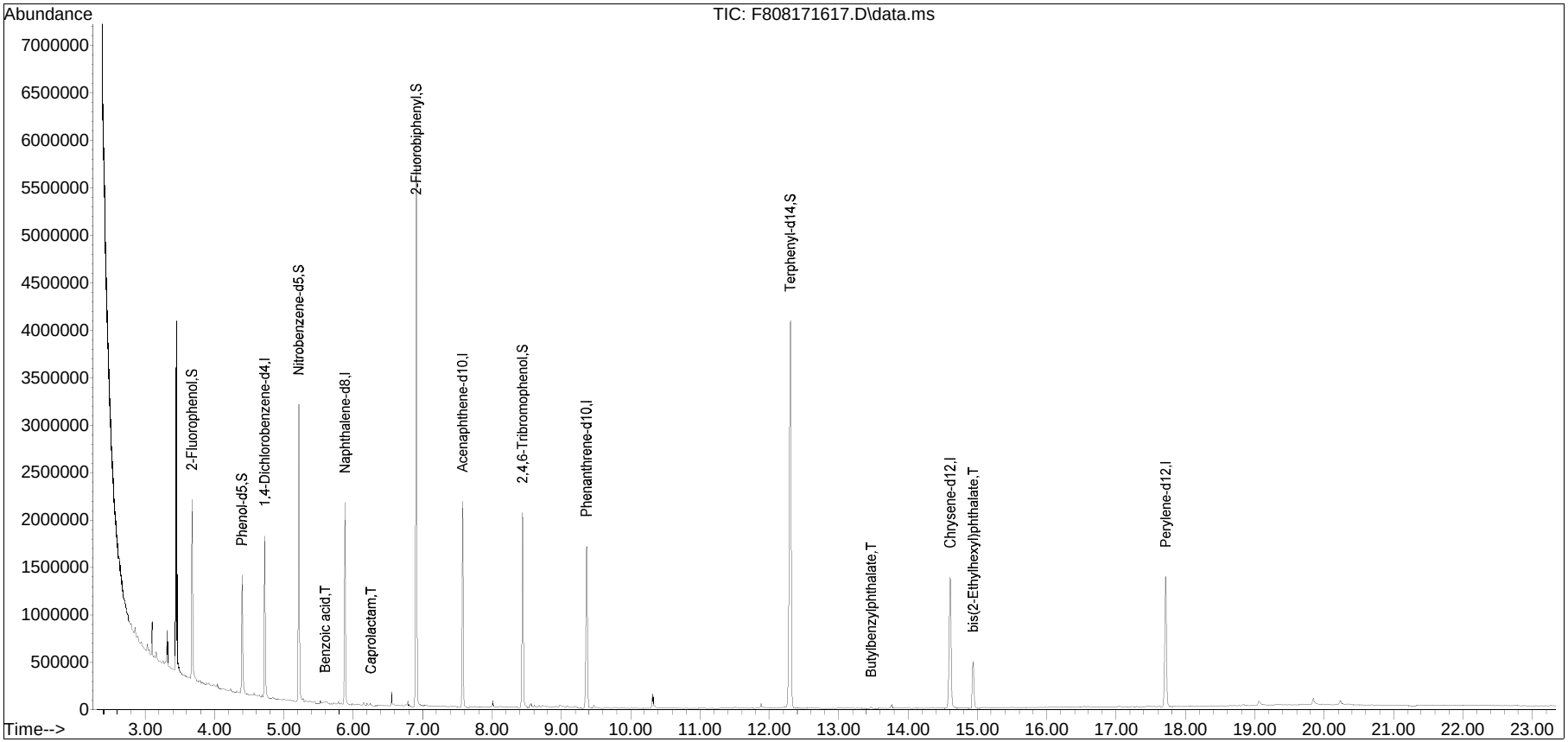
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

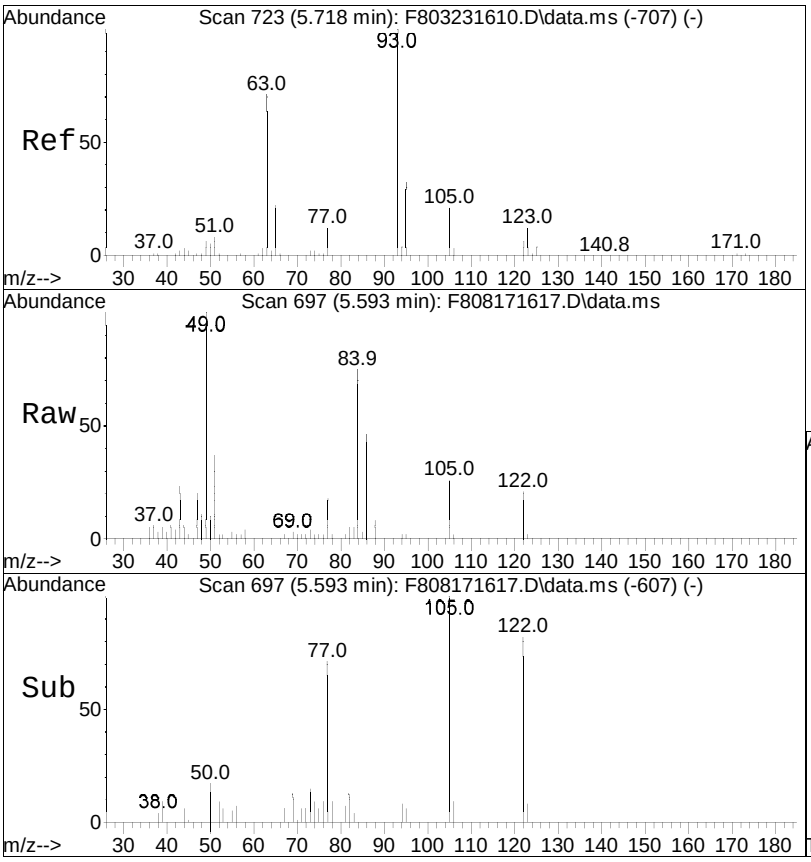
Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171617.D
Acq On : 17 Aug 2016 7:32 pm
Operator : BNA8:ML
Sample : L1625236-08
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 18 17:29:31 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



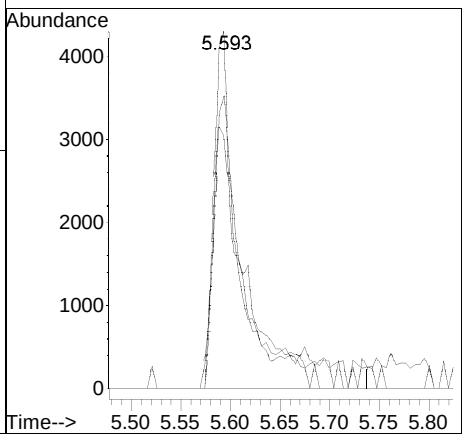
SV0728BNA8.M Thu Aug 18 17:38:51 2016 Page 4

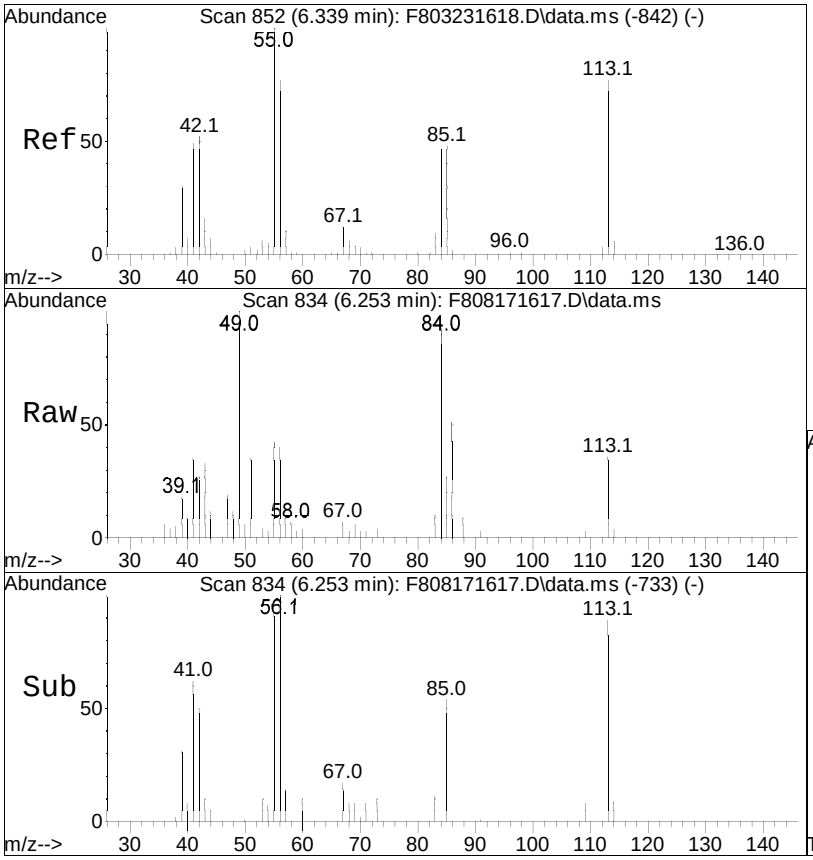


#27
Benzoic acid
Concen: 1.20 ug/mL
RT: 5.593 min Scan# 697
Delta R.T. -0.067 min
Lab File: F808171617.D
Acq: 17 Aug 2016 7:32 pm

Tgt Ion:105 Resp: 8774

Ion	Ratio	Lower	Upper
105	100		
122	69.9	70.9	106.3#
77	72.6	53.4	80.0

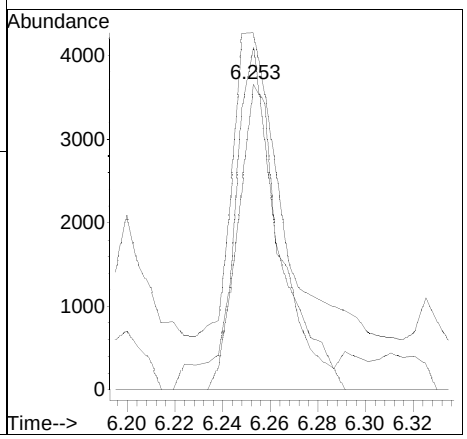


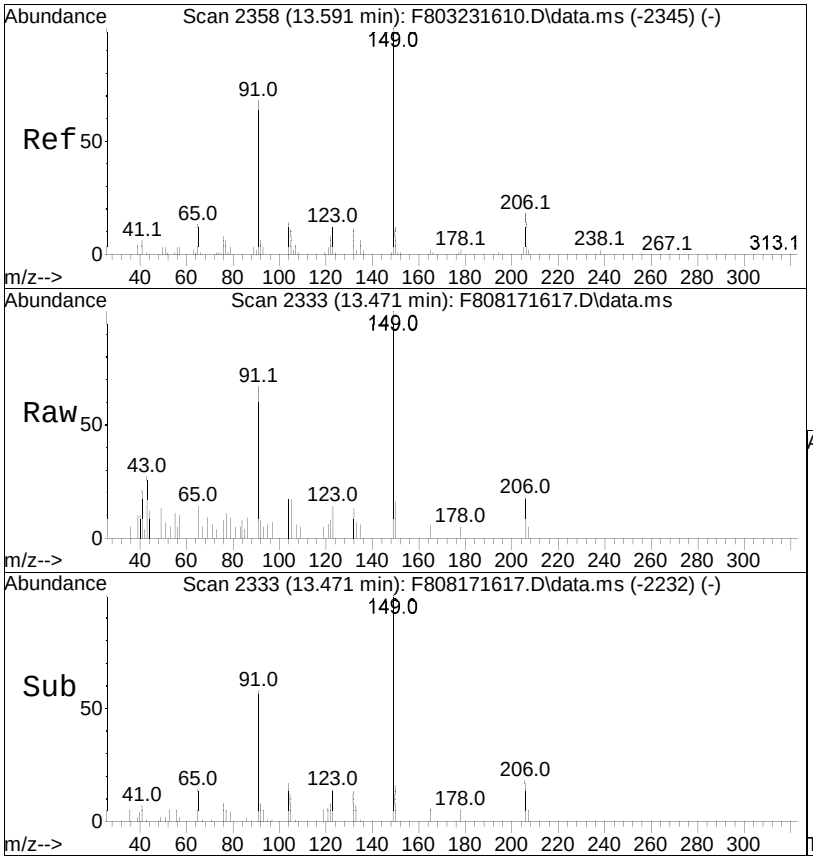


#35
Caprolactam
Concen: 0.24 ug/ml
RT: 6.253 min Scan# 834
Delta R.T. -0.014 min
Lab File: F808171617.D
Acq: 17 Aug 2016 7:32 pm

Tgt Ion:113 Resp: 4605

Ion	Ratio	Lower	Upper
113	100		
55	134.0	82.6	123.8#
56	116.1	63.0	94.6#

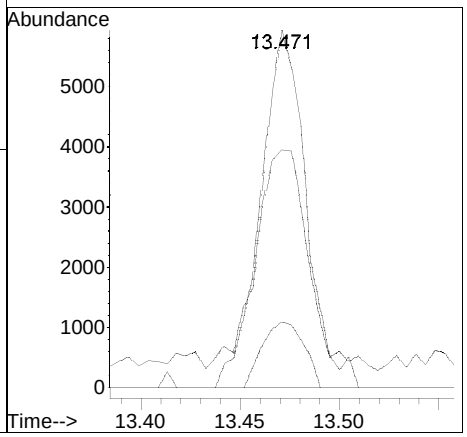


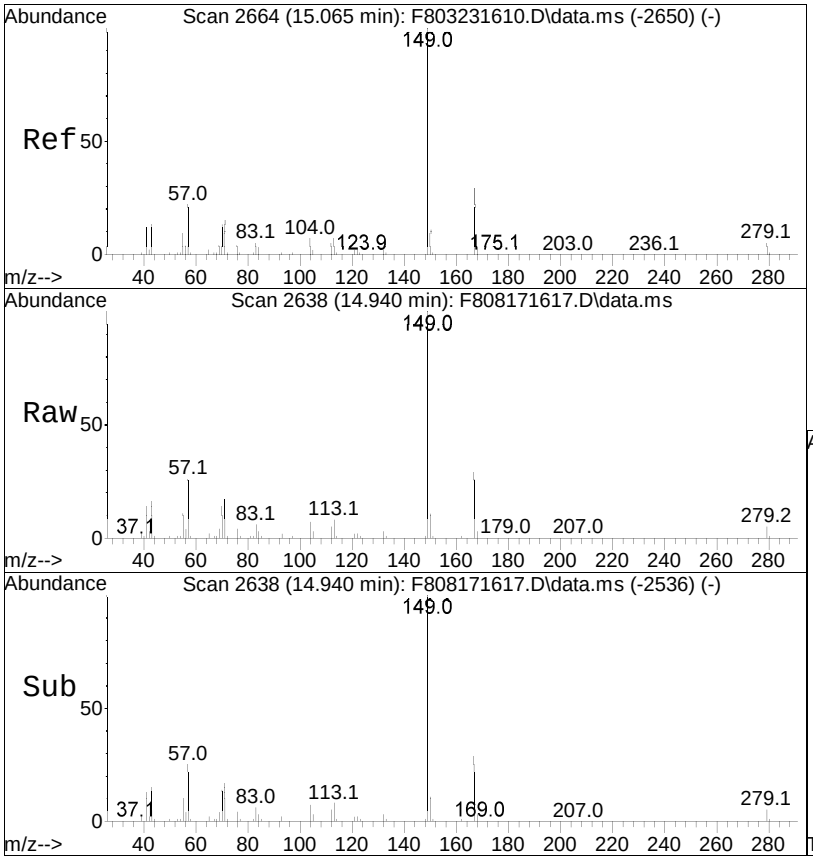


#80
Butylbenzylphthalate
Concen: 0.27 ug/mL
RT: 13.471 min Scan# 2333
Delta R.T. -0.014 min
Lab File: F808171617.D
Acq: 17 Aug 2016 7:32 pm

Tgt Ion:149 Resp: 9420

Ion	Ratio	Lower	Upper
149	100		
91	68.7	50.8	76.2
206	16.9	15.0	22.4

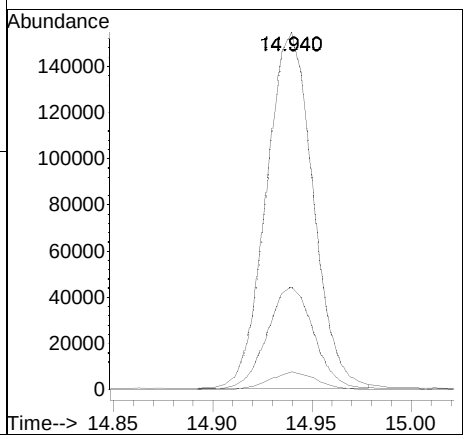




#84
bis(2-Ethylhexyl)phthalate
Concen: 2.05 ug/mL
RT: 14.940 min Scan# 2638
Delta R.T. -0.009 min
Lab File: F808171617.D
Acq: 17 Aug 2016 7:32 pm

Tgt Ion:149 Resp: 250843

Ion	Ratio	Lower	Upper
149	100		
167	29.1	23.8	35.6
279	4.8	4.0	6.0



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171618.D
Acq On : 17 Aug 2016 8:04 pm
Operator : BNA8:ML
Sample : L1625236-09
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 18 17:32:30 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.717	152	241791	5.000	ug/mL	0.00
21) Naphthalene-d8	5.877	136	912549	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.572	164	437335	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.364	188	804683	5.000	ug/mL	0.00
76) Chrysene-d12	14.607	240	710279	5.000	ug/mL	0.00
85) Perylene-d12	17.709	264	658443	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.672	112	498119	8.572	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 42.86%			
8) Phenol-d5	4.389	99	450639	6.402	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 32.01%			
22) Nitrobenzene-d5	5.213	82	1002484	17.673	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 88.36%			
43) 2-Fluorobiphenyl	6.913	172	1752139	15.158	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 75.79%			
65) 2,4,6-Tribromophenol	8.439	330	174220	16.241	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 81.20%			
79) Terphenyl-d14	12.301	244	1907946	18.966	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 94.83%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.	d	
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.	d	
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.	d	
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	0.000		0	N.D.		
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171618.D
Acq On : 17 Aug 2016 8:04 pm
Operator : BNA8:ML
Sample : L1625236-09
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 18 17:32:30 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	5.588	105	9709	1.243	ug/mL	92
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.253	113	3893	0.219	ug/ml#	62
36) 4-Chloro-3-methylphenol	0.000		0	N.D.	d	
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.	d	
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.	d	
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.	d	
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.	d	
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171618.D
Acq On : 17 Aug 2016 8:04 pm
Operator : BNA8:ML
Sample : L1625236-09
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 18 17:32:30 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Di-n-butylphthalate	10.351	149	10283	0.054	ug/mL#	94
77) Benzidine	0.000		0	N.D.		
80) Butylbenzylphthalate	13.471	149	6767	0.251	ug/mL#	88
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.940	149	4429	0.234	ug/mL#	90
86) Di-n-octylphthalate	0.000		0	N.D. d		

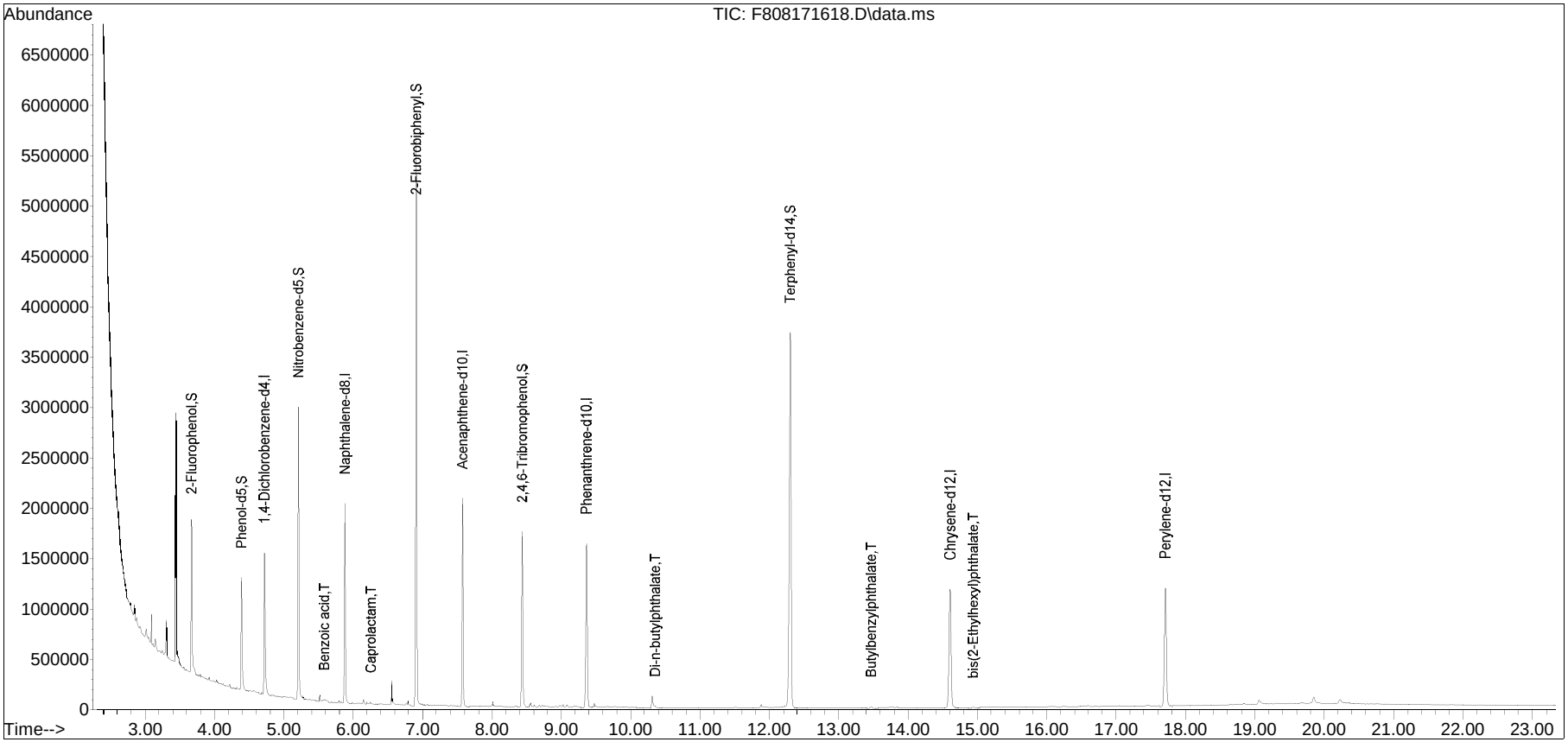
(#) = qualifier out of range (m) = manual integration (+) = signals summed

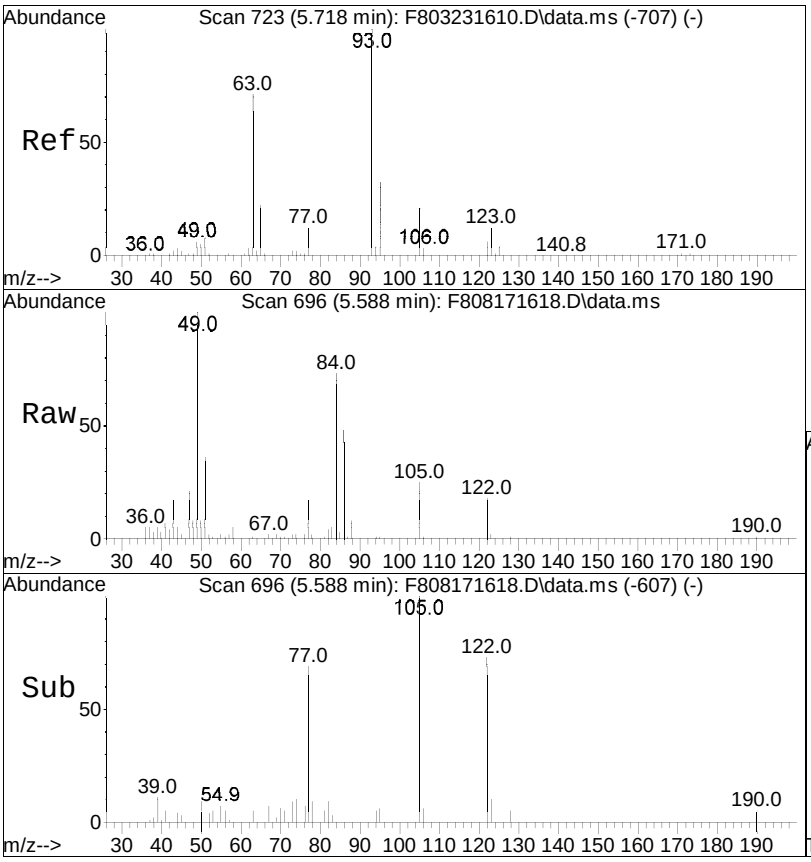
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171618.D
Acq On : 17 Aug 2016 8:04 pm
Operator : BNA8:ML
Sample : L1625236-09
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 18 17:32:30 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

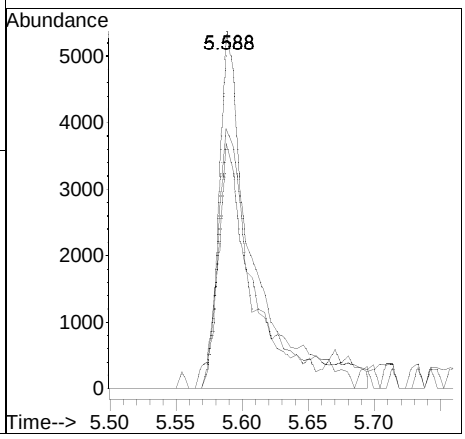


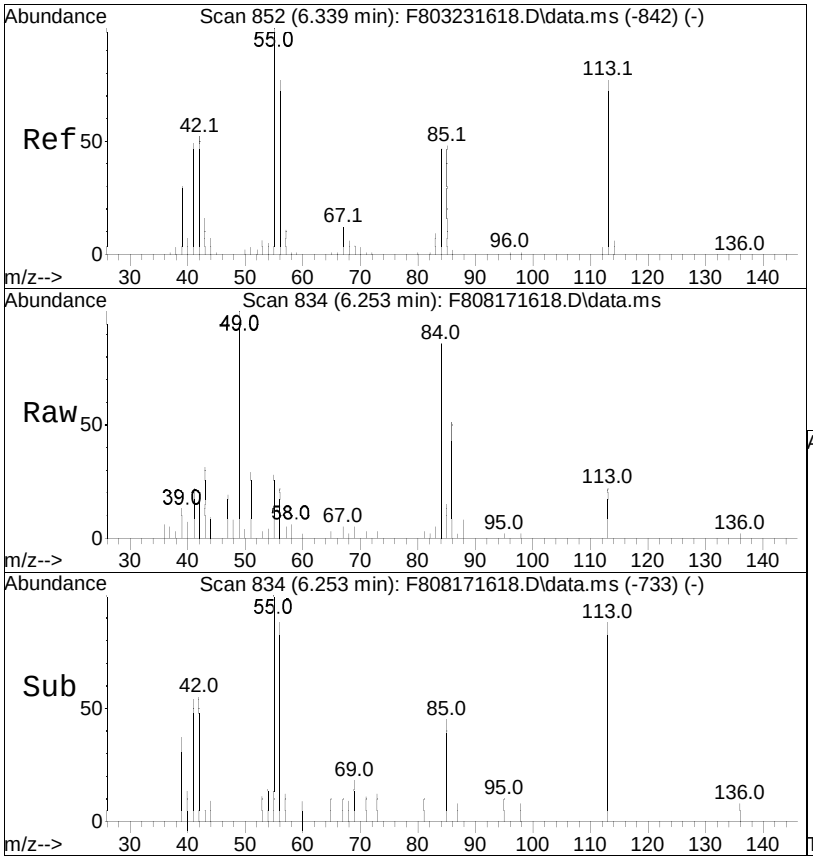


#27
Benzoic acid
Concen: 1.24 ug/mL
RT: 5.588 min Scan# 696
Delta R.T. -0.072 min
Lab File: F808171618.D
Acq: 17 Aug 2016 8:04 pm

Tgt Ion:105 Resp: 9709

Ion	Ratio	Lower	Upper
105	100		
122	79.0	70.9	106.3
77	70.7	53.4	80.0

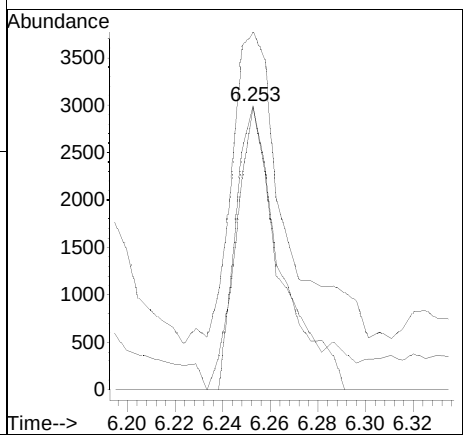


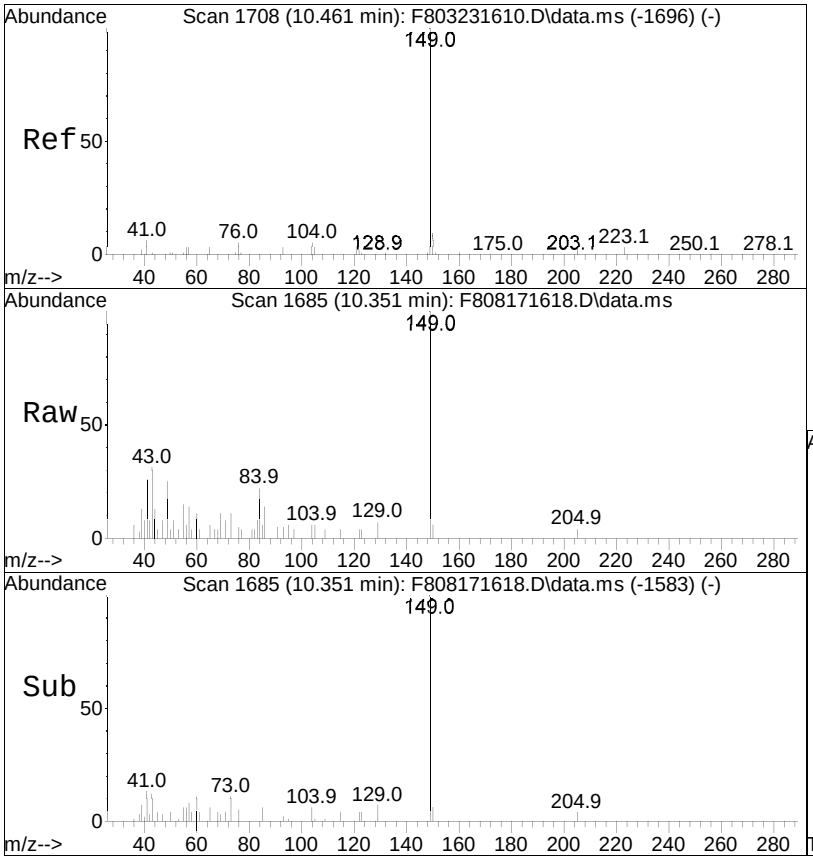


#35
Caprolactam
Concen: 0.22 ug/ml
RT: 6.253 min Scan# 834
Delta R.T. -0.014 min
Lab File: F808171618.D
Acq: 17 Aug 2016 8:04 pm

Tgt Ion:113 Resp: 3893

Ion	Ratio	Lower	Upper
113	100		
55	140.6	82.6	123.8#
56	114.1	63.0	94.6#

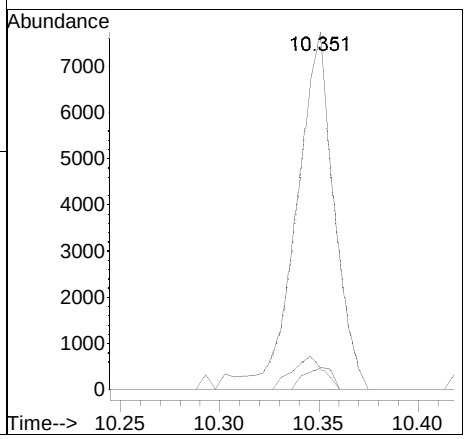


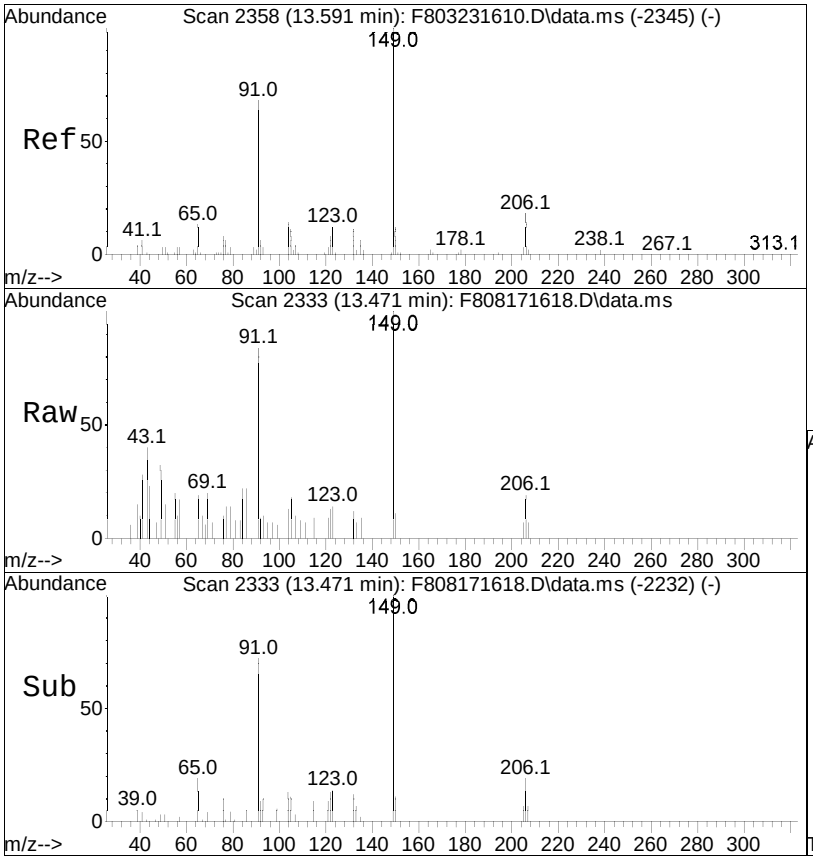


#74
Di-n-butylphthalate
Concen: 0.05 ug/mL
RT: 10.351 min Scan# 1685
Delta R.T. -0.010 min
Lab File: F808171618.D
Acq: 17 Aug 2016 8:04 pm

Tgt Ion:149 Resp: 10283

Ion	Ratio	Lower	Upper
149	100		
150	8.2	7.4	11.2
104	0.0	3.5	5.3#

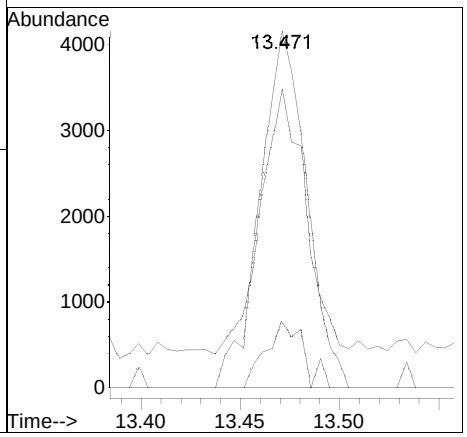


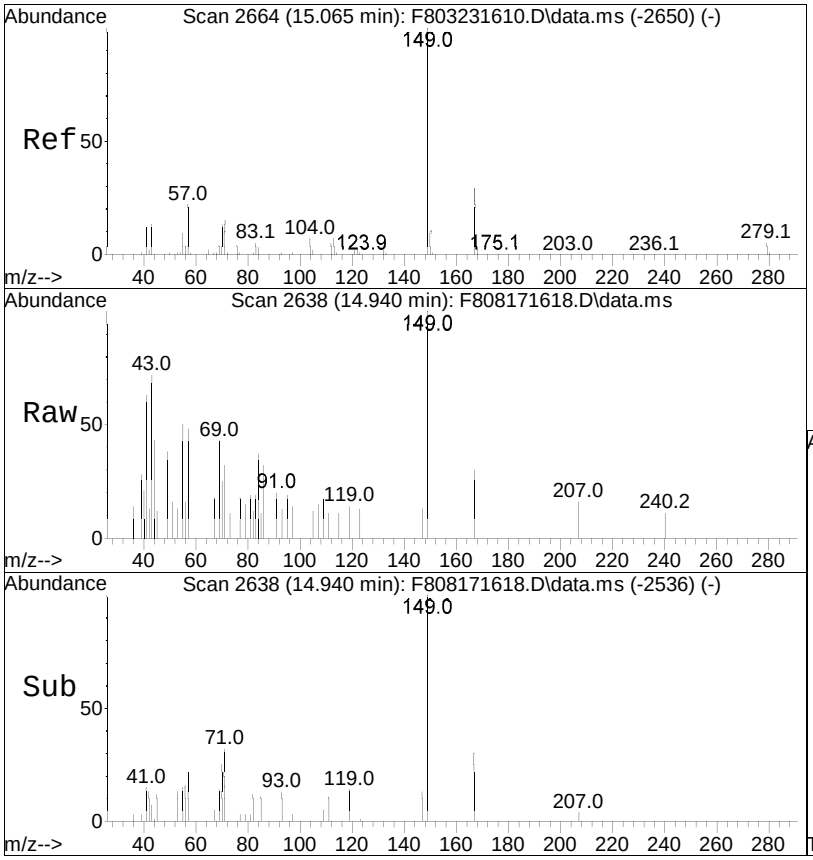


#80
Butylbenzylphthalate
Concen: 0.25 ug/mL
RT: 13.471 min Scan# 2333
Delta R.T. -0.014 min
Lab File: F808171618.D
Acq: 17 Aug 2016 8:04 pm

Tgt Ion:149 Resp: 6767

Ion	Ratio	Lower	Upper
149	100		
91	72.7	50.8	76.2
206	13.7	15.0	22.4#

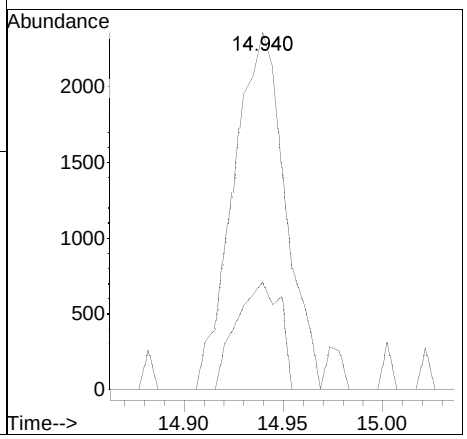




#84
bis(2-Ethylhexyl)phthalate
Concen: 0.23 ug/mL
RT: 14.940 min Scan# 2638
Delta R.T. -0.010 min
Lab File: F808171618.D
Acq: 17 Aug 2016 8:04 pm

Tgt Ion:149 Resp: 4429

Ion	Ratio	Lower	Upper
149	100		
167	24.7	23.8	35.6
279	0.0	4.0	6.0#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171619.D
Acq On : 17 Aug 2016 8:36 pm
Operator : BNA8:ML
Sample : L1625236-10
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 18 17:34:57 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.721	152	301876	5.000	ug/mL	0.00
21) Naphthalene-d8	5.877	136	1154965	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.572	164	556384	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.368	188	1035157	5.000	ug/mL	0.00
76) Chrysene-d12	14.607	240	908438	5.000	ug/mL	0.00
85) Perylene-d12	17.708	264	846705	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.676	112	588296	8.109	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 40.54%			
8) Phenol-d5	4.394	99	532953	6.064	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 30.32%			
22) Nitrobenzene-d5	5.213	82	1273862	17.744	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 88.72%			
43) 2-Fluorobiphenyl	6.912	172	2253573	15.324	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 76.62%			
65) 2,4,6-Tribromophenol	8.444	330	221423	16.046	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 80.23%			
79) Terphenyl-d14	12.306	244	2493476	19.380	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 96.90%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	0.000		0	N.D.	d	
7) bis(2-Chloroethyl)ether	0.000		0	N.D.	d	
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.	d	
14) Benzyl alcohol	0.000		0	N.D.	d	
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.	d	
16) 2-Methylphenol	0.000		0	N.D.	d	
17) Acetophenone	0.000		0	N.D.	d	
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171619.D
Acq On : 17 Aug 2016 8:36 pm
Operator : BNA8:ML
Sample : L1625236-10
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 18 17:34:57 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	5.593	105	8498M4	1.173	ug/mL	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.257	113	3877	0.173	ug/ml#	68
36) 4-Chloro-3-methylphenol	0.000		0	N.D.	d	
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.	d	
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.	d	
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	0.000		0	N.D.	d	
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.	d	
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171619.D
Acq On : 17 Aug 2016 8:36 pm
Operator : BNA8:ML
Sample : L1625236-10
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 18 17:34:57 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Di-n-butylphthalate	10.350	149	11370	0.046	ug/mL#	95
77) Benzidine	0.000		0	N.D.		
80) Butylbenzylphthalate	13.471	149	8137	0.247	ug/mL#	82
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.935	149	5607	0.234	ug/mL#	97
86) Di-n-octylphthalate	0.000		0	N.D. d		

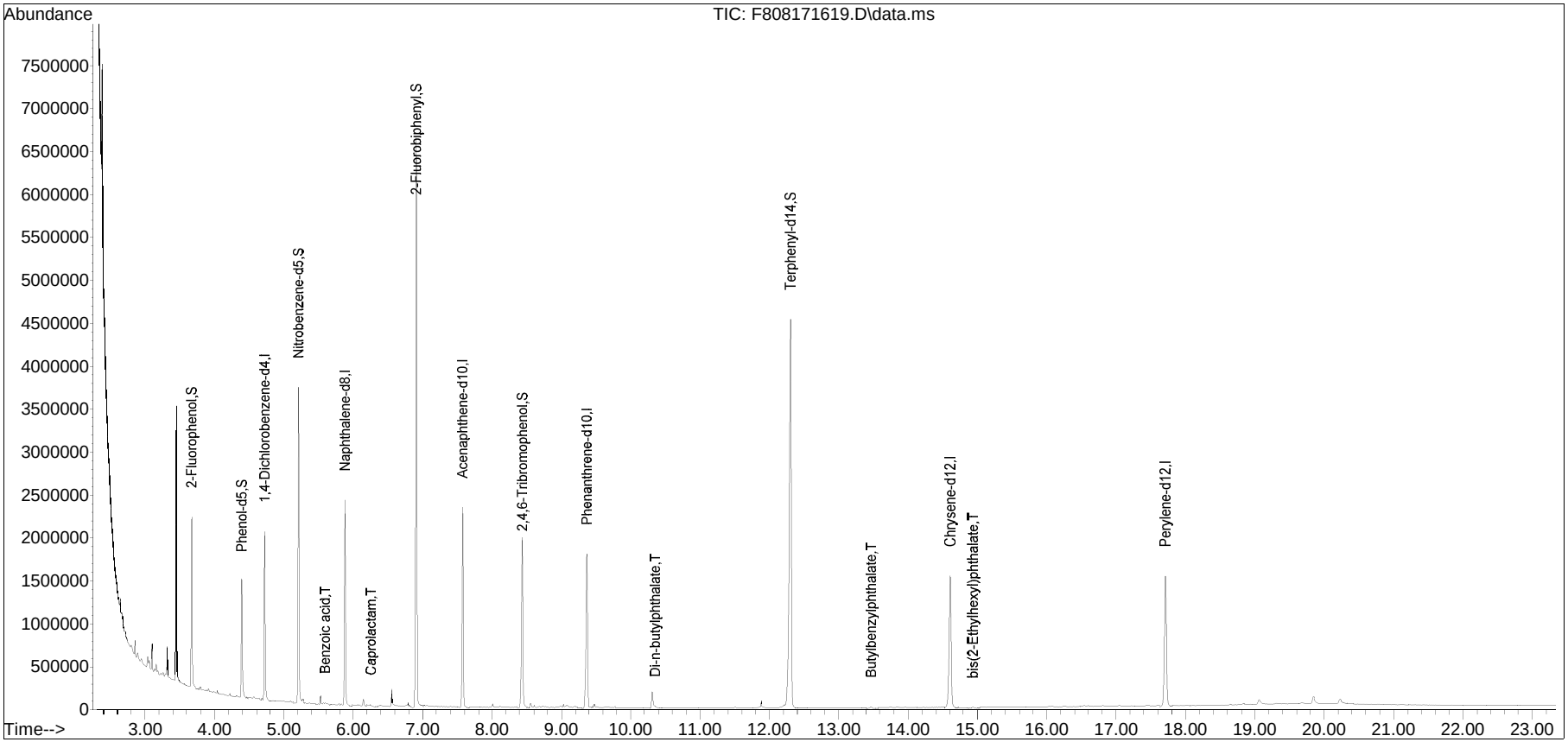
(#) = qualifier out of range (m) = manual integration (+) = signals summed

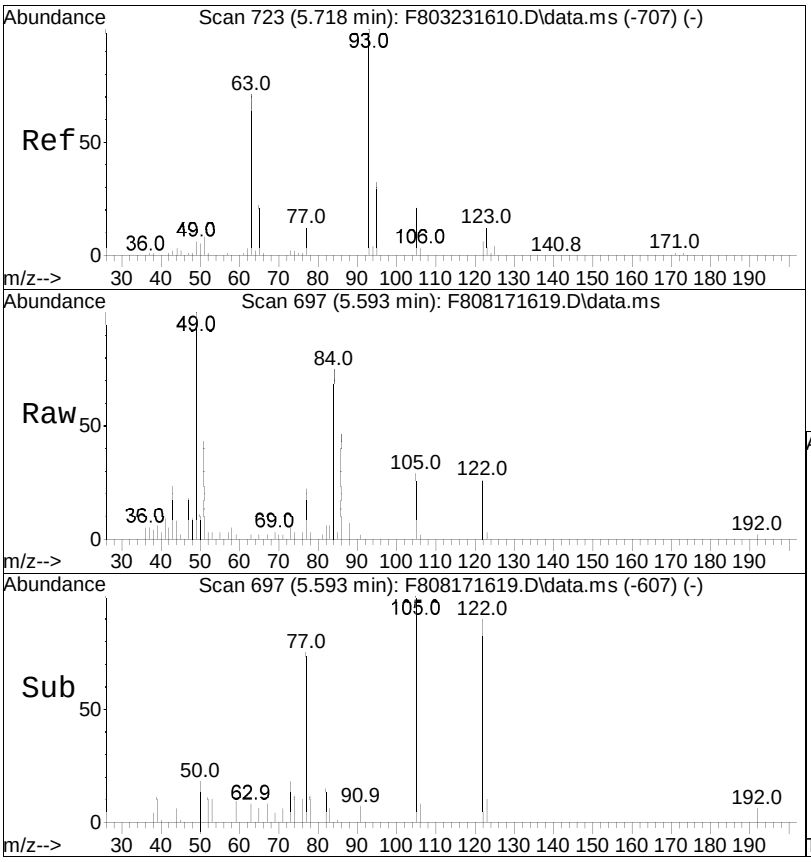
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171619.D
Acq On : 17 Aug 2016 8:36 pm
Operator : BNA8:ML
Sample : L1625236-10
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 18 17:34:57 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

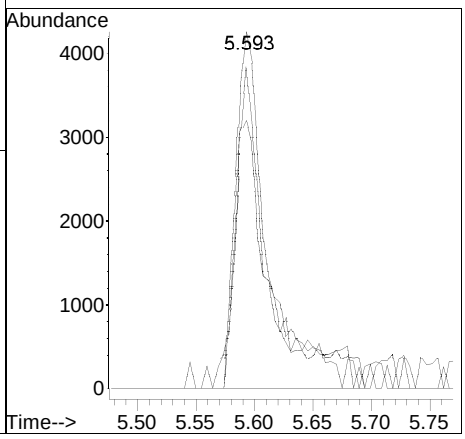


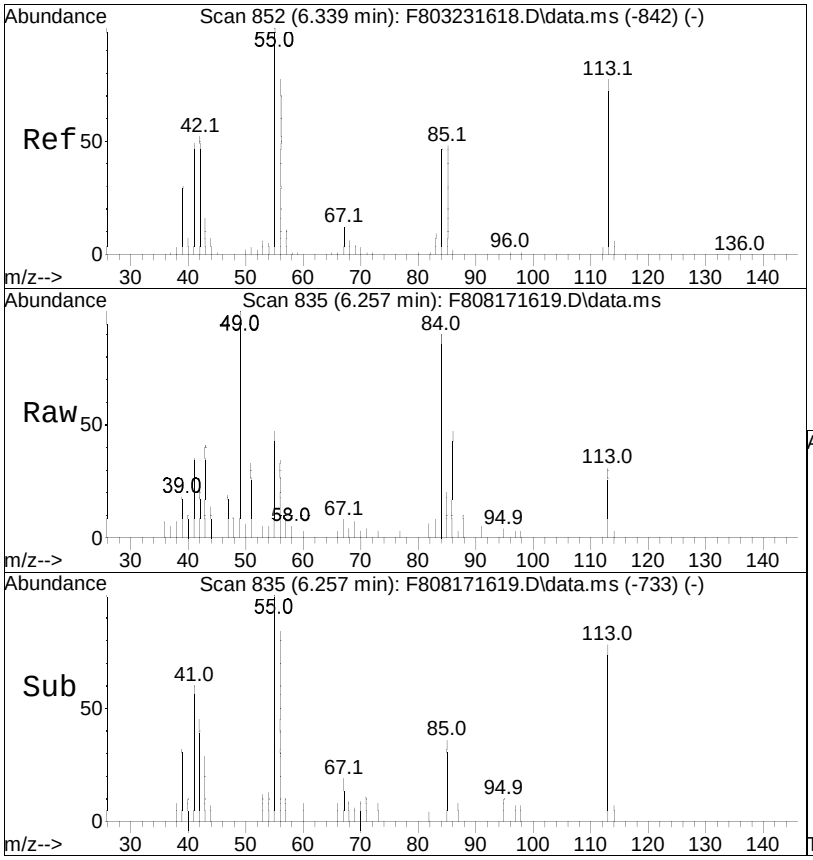


#27
Benzoic acid
Concen: 1.17 ug/mL M4
RT: 5.593 min Scan# 697
Delta R.T. -0.068 min
Lab File: F808171619.D
Acq: 17 Aug 2016 8:36 pm

Tgt Ion:105 Resp: 8498

Ion	Ratio	Lower	Upper
105	100		
122	0.0	70.9	106.3#
77	0.0	53.4	80.0#

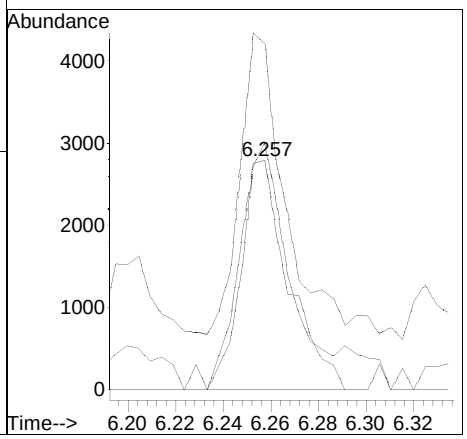


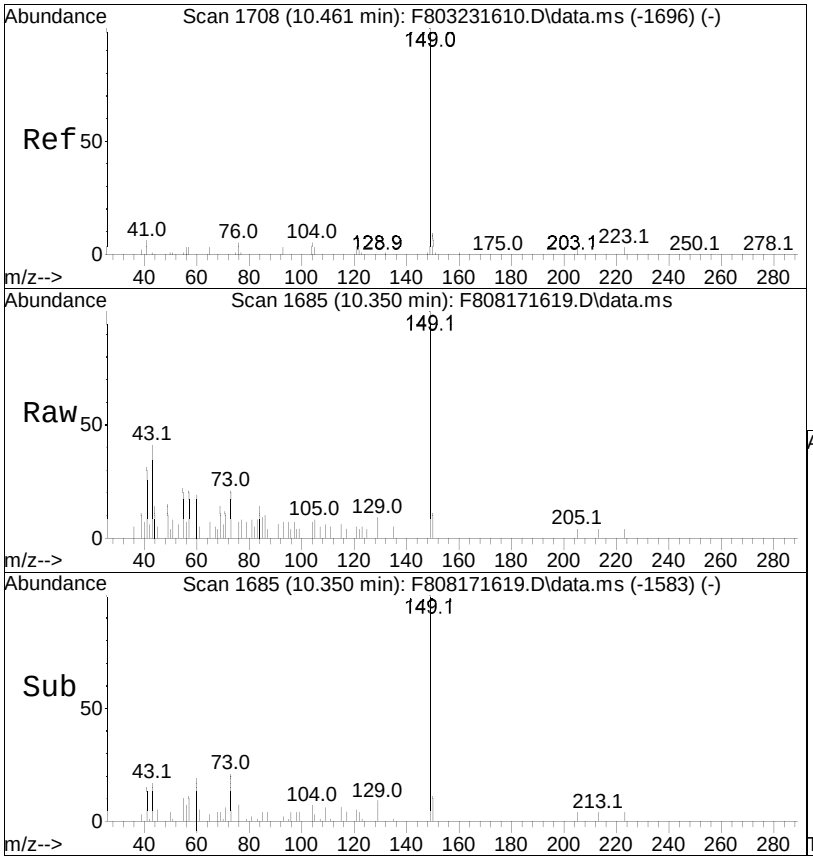


#35
Caprolactam
Concen: 0.17 ug/ml
RT: 6.257 min Scan# 835
Delta R.T. -0.010 min
Lab File: F808171619.D
Acq: 17 Aug 2016 8:36 pm

Tgt Ion:113 Resp: 3877

Ion	Ratio	Lower	Upper
113	100		
55	117.9	82.6	123.8
56	126.1	63.0	94.6#

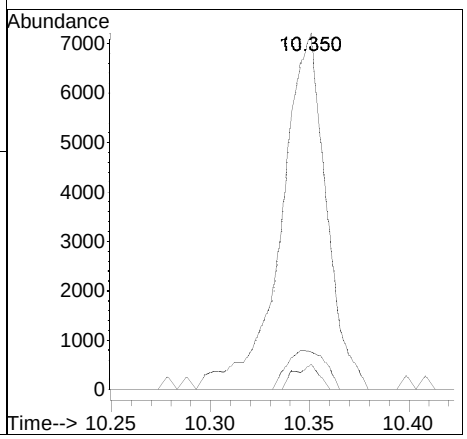


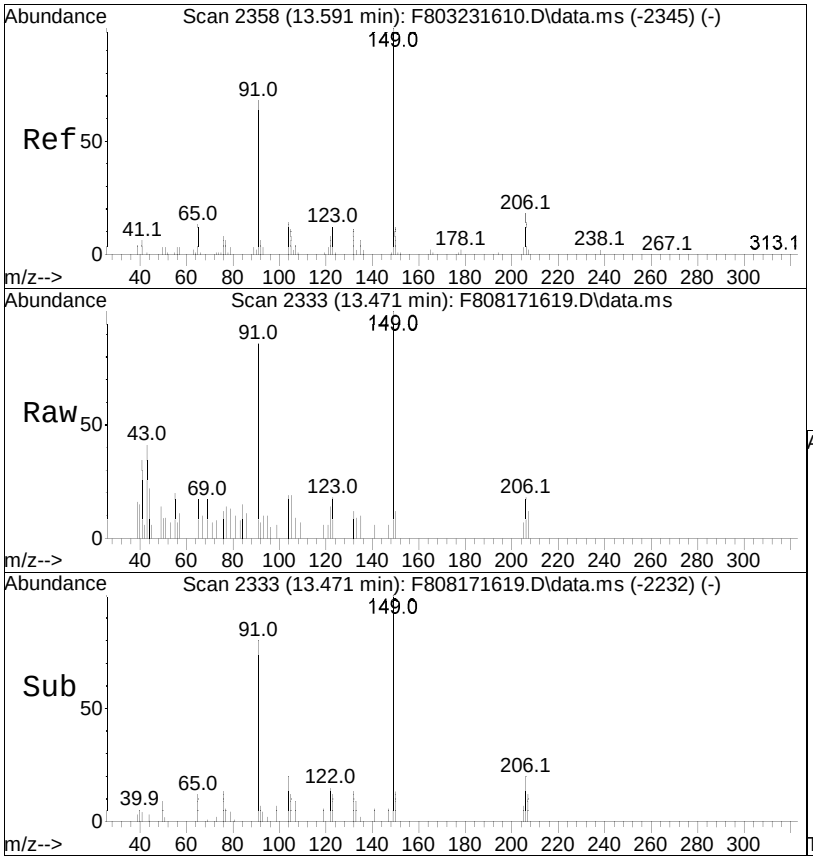


#74
Di-n-butylphthalate
Concen: 0.05 ug/mL
RT: 10.350 min Scan# 1685
Delta R.T. -0.010 min
Lab File: F808171619.D
Acq: 17 Aug 2016 8:36 pm

Tgt Ion:149 Resp: 11370

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.4	11.2
104	0.0	3.5	5.3#

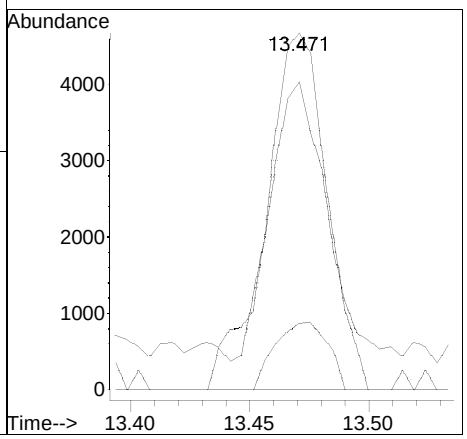


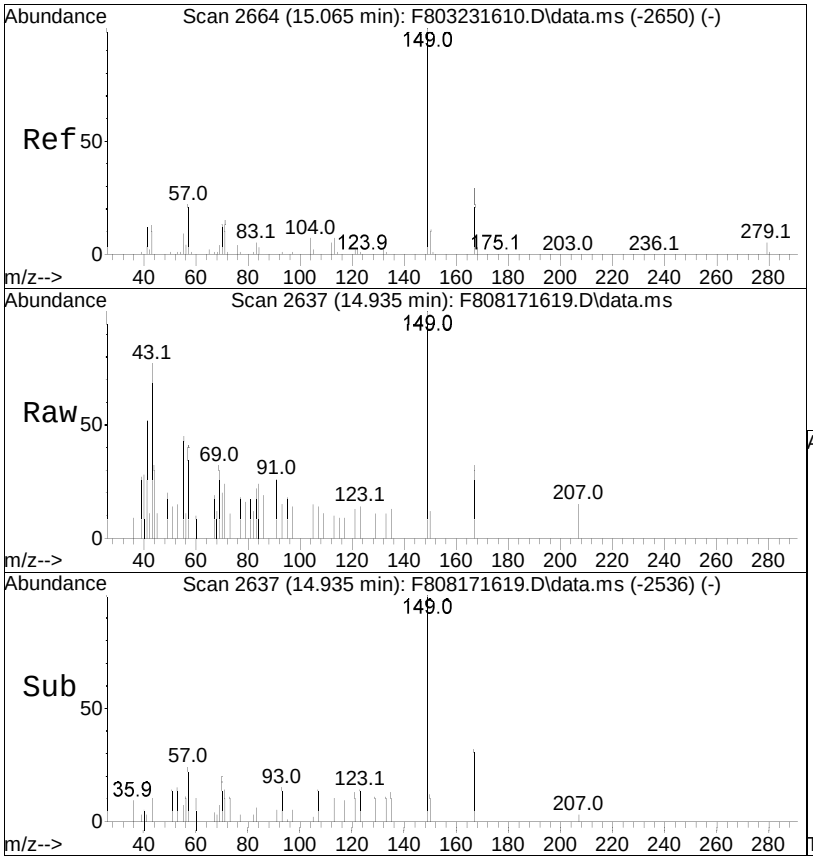


#80
Butylbenzylphthalate
Concen: 0.25 ug/mL
RT: 13.471 min Scan# 2333
Delta R.T. -0.015 min
Lab File: F808171619.D
Acq: 17 Aug 2016 8:36 pm

Tgt Ion:149 Resp: 8137

Ion	Ratio	Lower	Upper
149	100		
91	81.0	50.8	76.2#
206	16.7	15.0	22.4

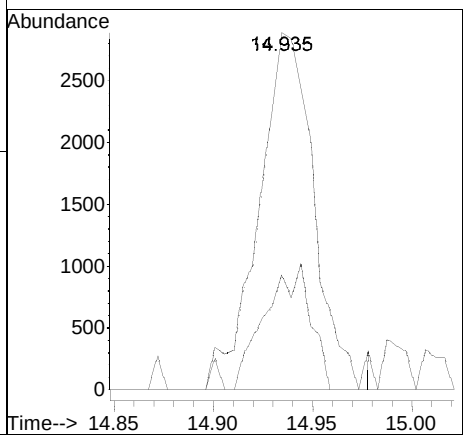




#84
bis(2-Ethylhexyl)phthalate
Concen: 0.23 ug/mL
RT: 14.935 min Scan# 2637
Delta R.T. -0.015 min
Lab File: F808171619.D
Acq: 17 Aug 2016 8:36 pm

Tgt Ion:149 Resp: 5607

Ion	Ratio	Lower	Upper
149	100		
167	28.9	23.8	35.6
279	0.0	4.0	6.0#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171620.D
Acq On : 17 Aug 2016 9:08 pm
Operator : BNA8:ML
Sample : L1625236-11
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 18 17:36:49 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.722	152	209421	5.000	ug/mL	0.00
21) Naphthalene-d8	5.882	136	792138	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.572	164	373762	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.364	188	685784	5.000	ug/mL	0.00
76) Chrysene-d12	14.603	240	587886	5.000	ug/mL	0.00
85) Perylene-d12	17.709	264	530378	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.672	112	387253	7.694	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 38.47%			
8) Phenol-d5	4.399	99	322250	5.286	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 26.43%			
22) Nitrobenzene-d5	5.218	82	892790	18.132	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 90.66%			
43) 2-Fluorobiphenyl	6.913	172	1614935	16.347	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 81.73%			
65) 2,4,6-Tribromophenol	8.444	330	155936M4	17.057	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 85.28%			
79) Terphenyl-d14	12.301	244	1638343	19.677	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 98.39%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.	d	
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.		
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.		
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.	d	
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	0.000		0	N.D.		
18) Hexachloroethane	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171620.D
Acq On : 17 Aug 2016 9:08 pm
Operator : BNA8:ML
Sample : L1625236-11
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 18 17:36:49 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	5.593	105	5244M4	1.157	ug/mL	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.253	113	3589	0.233	ug/ml#	80
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.		
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	8.030	149	7595	0.076	ug/mL#	85
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.	d	
70) Pentachloronitrobenzene	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171620.D
Acq On : 17 Aug 2016 9:08 pm
Operator : BNA8:ML
Sample : L1625236-11
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 18 17:36:49 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) Carbazole	0.000		0	N.D.		
74) Di-n-butylphthalate	10.346	149	10289	0.063	ug/mL#	78
77) Benzidine	0.000		0	N.D.		
80) Butylbenzylphthalate	13.471	149	7718	0.279	ug/mL#	79
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	14.940	149	60660	0.803	ug/mL	97
86) Di-n-octylphthalate	0.000		0	N.D.	d	

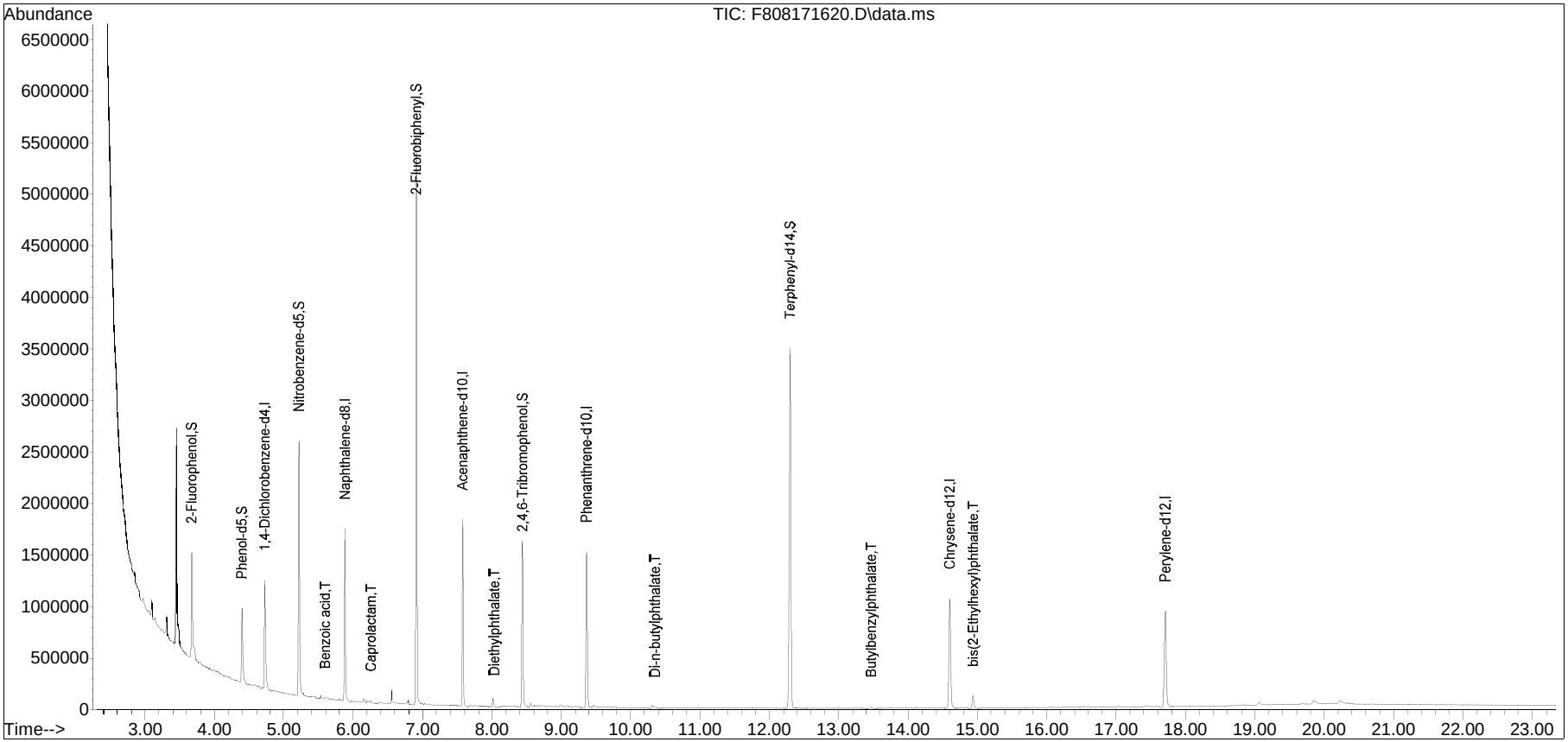
(#) = qualifier out of range (m) = manual integration (+) = signals summed

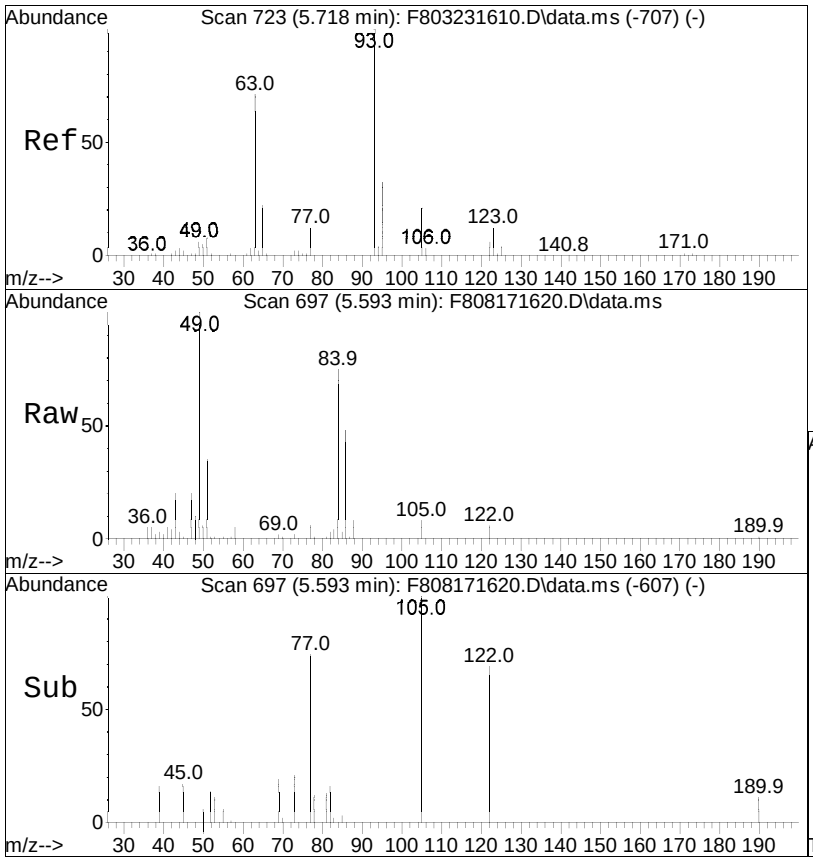
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171620.D
Acq On : 17 Aug 2016 9:08 pm
Operator : BNA8:ML
Sample : L1625236-11
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 18 17:36:49 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

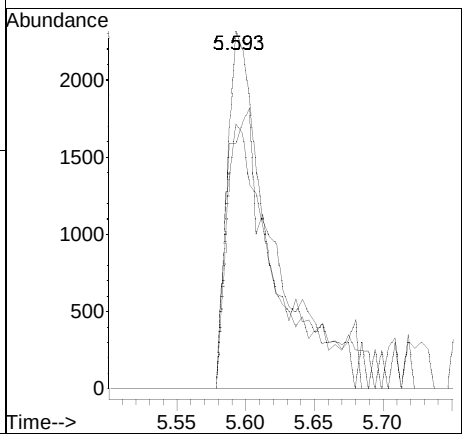


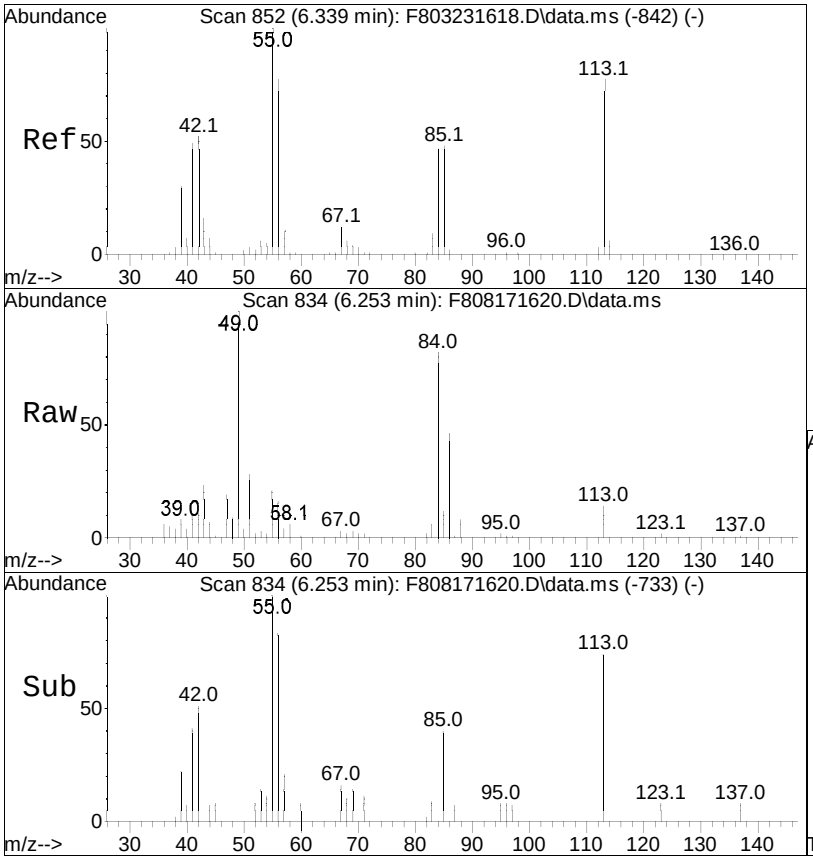


#27
Benzoic acid
Concen: 1.16 ug/mL M4
RT: 5.593 min Scan# 697
Delta R.T. -0.067 min
Lab File: F808171620.D
Acq: 17 Aug 2016 9:08 pm

Tgt Ion:105 Resp: 5244

Ion	Ratio	Lower	Upper
105	100		
122	0.0	70.9	106.3#
77	0.0	53.4	80.0#

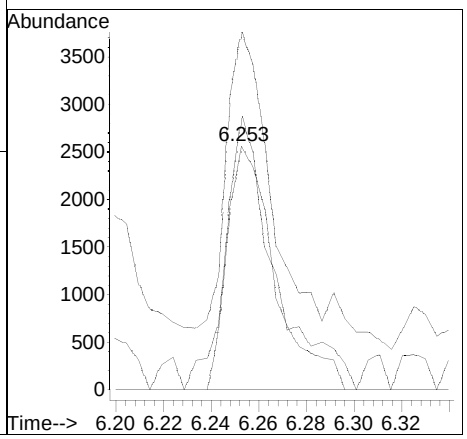


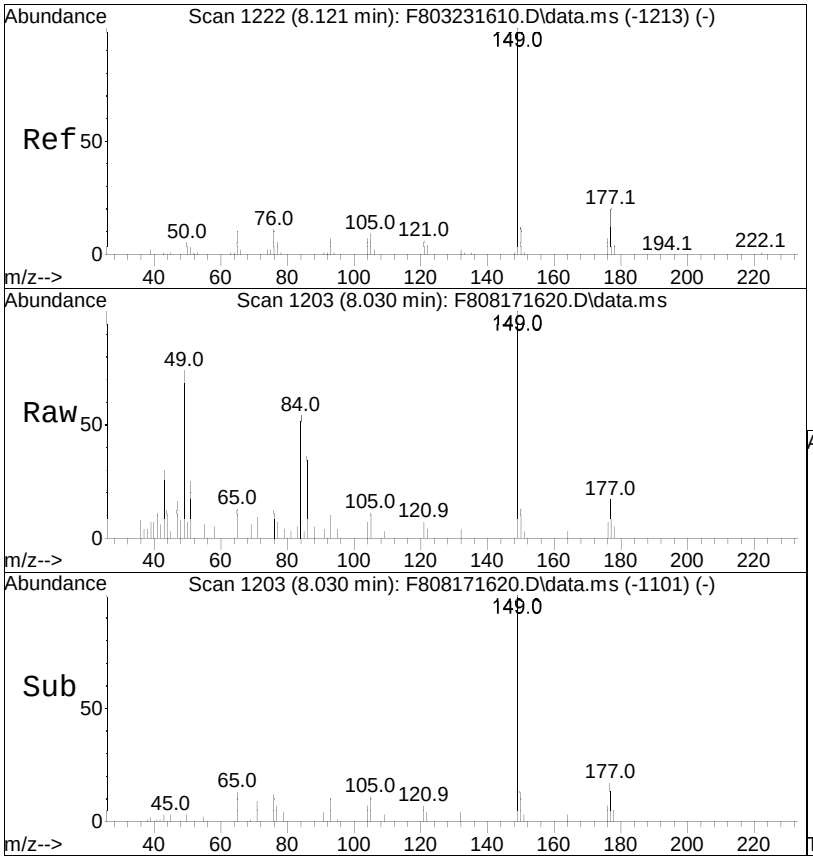


#35
Caprolactam
Concen: 0.23 ug/ml
RT: 6.253 min Scan# 834
Delta R.T. -0.014 min
Lab File: F808171620.D
Acq: 17 Aug 2016 9:08 pm

Tgt Ion:113 Resp: 3589

Ion	Ratio	Lower	Upper
113	100		
55	123.2	82.6	123.8
56	96.0	63.0	94.6#

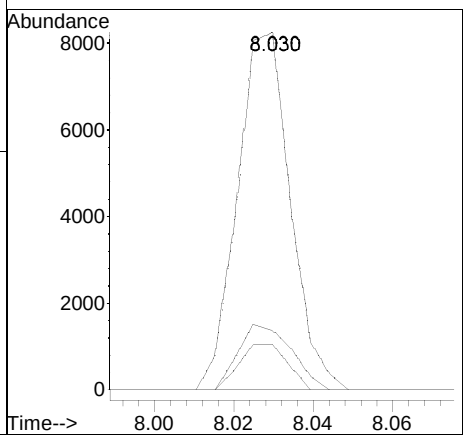


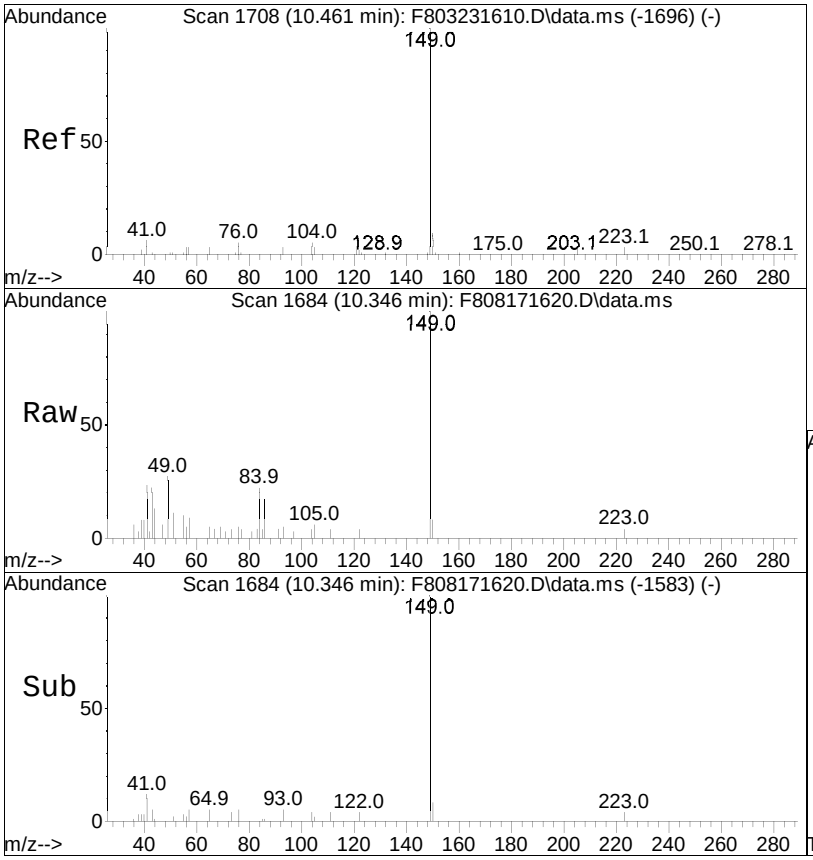


#59
Diethylphthalate
Concen: 0.08 ug/mL
RT: 8.030 min Scan# 1203
Delta R.T. -0.010 min
Lab File: F808171620.D
Acq: 17 Aug 2016 9:08 pm

Tgt Ion:149 Resp: 7595

Ion	Ratio	Lower	Upper
149	100		
177	18.4	16.6	24.8
150	0.0	9.8	14.6#

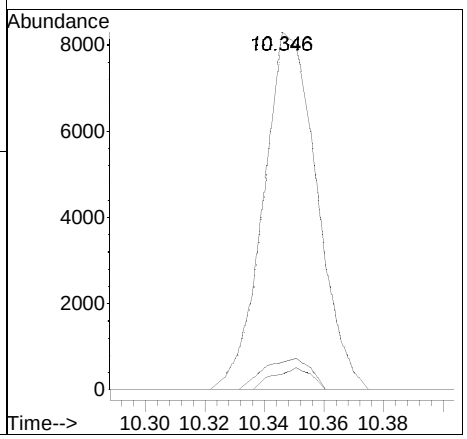


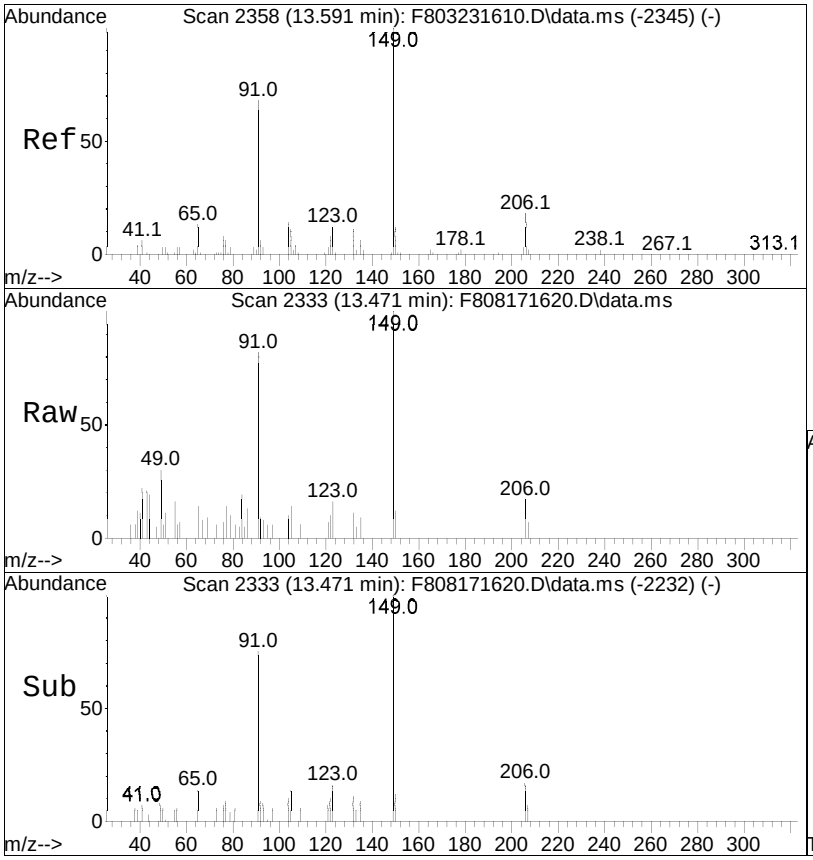


#74
Di-n-butylphthalate
Concen: 0.06 ug/mL
RT: 10.346 min Scan# 1684
Delta R.T. -0.014 min
Lab File: F808171620.D
Acq: 17 Aug 2016 9:08 pm

Tgt Ion:149 Resp: 10289

Ion	Ratio	Lower	Upper
149	100		
150	0.0	7.4	11.2#
104	0.0	3.5	5.3#

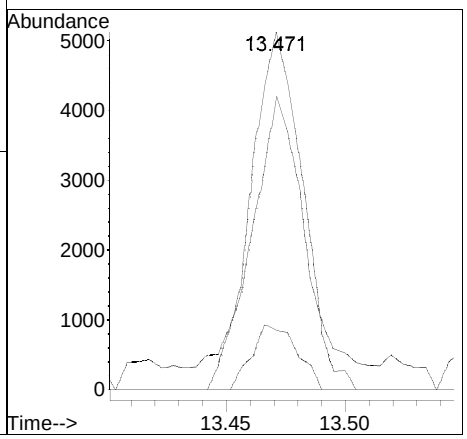


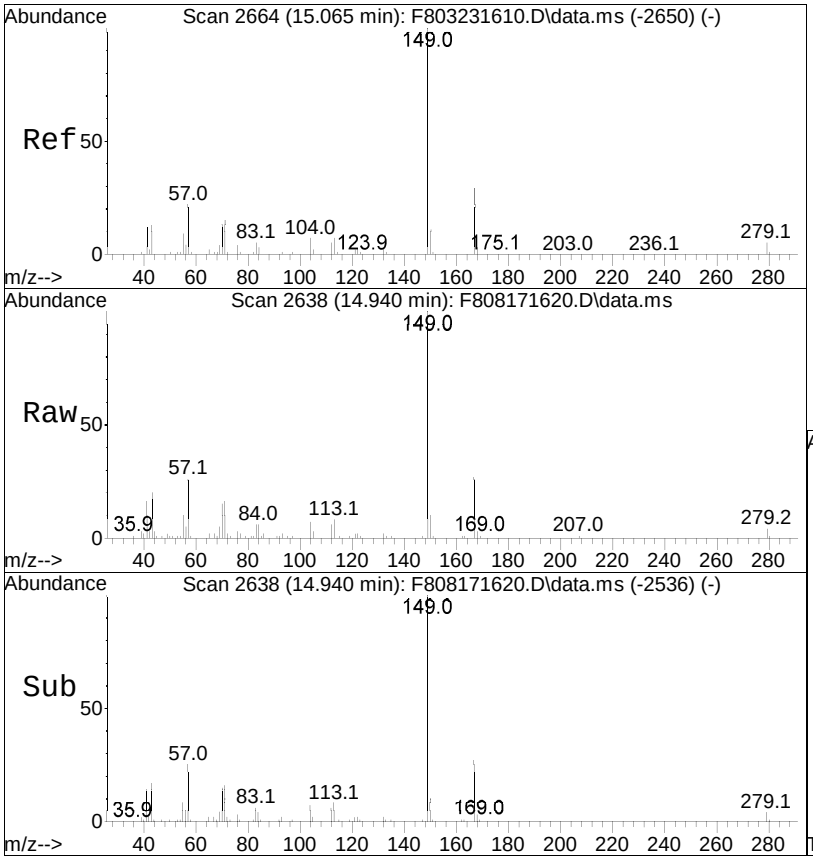


#80
Butylbenzylphthalate
Concen: 0.28 ug/mL
RT: 13.471 min Scan# 2333
Delta R.T. -0.014 min
Lab File: F808171620.D
Acq: 17 Aug 2016 9:08 pm

Tgt Ion:149 Resp: 7718

Ion	Ratio	Lower	Upper
149	100		
91	83.0	50.8	76.2#
206	16.0	15.0	22.4

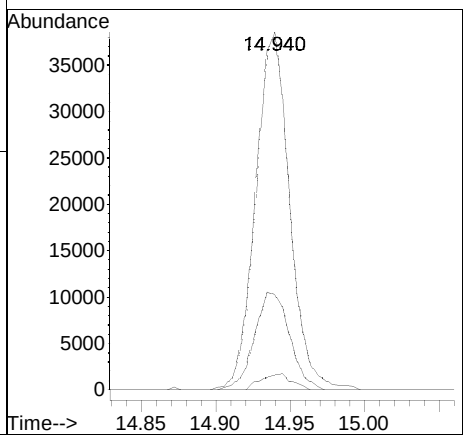




#84
bis(2-Ethylhexyl)phthalate
Concen: 0.80 ug/mL
RT: 14.940 min Scan# 2638
Delta R.T. -0.010 min
Lab File: F808171620.D
Acq: 17 Aug 2016 9:08 pm

Tgt Ion:149 Resp: 60660

Ion	Ratio	Lower	Upper
149	100		
167	28.3	23.8	35.6
279	4.1	4.0	6.0



Batch Quality Control

Method Blank
Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171604.D
Acq On : 17 Aug 2016 12:28 pm
Operator : BNA8:ML
Sample : WG923180-1
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 18 13:30:55 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.717	152	314157	5.000	ug/mL	0.00
21) Naphthalene-d8	5.877	136	1178273	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.577	164	546568	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.368	188	1000209	5.000	ug/mL	0.00
76) Chrysene-d12	14.612	240	931067	5.000	ug/mL	0.00
85) Perylene-d12	17.718	264	907484	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.667	112	772167	10.227	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 51.13%			
8) Phenol-d5	4.384	99	646058	7.064	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 35.32%			
22) Nitrobenzene-d5	5.213	82	1333527	18.208	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 91.04%			
43) 2-Fluorobiphenyl	6.917	172	2261303	15.653	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 78.27%			
65) 2,4,6-Tribromophenol	8.444	330	265523	19.914	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 99.57%			
79) Terphenyl-d14	12.310	244	2534518	19.220	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 96.10%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Benzaldehyde	0.000		0	N.D.	d	
6) Aniline	0.000		0	N.D.		
7) bis(2-Chloroethyl)ether	0.000		0	N.D.		
9) Phenol	0.000		0	N.D.	d	
10) 2-Chlorophenol	0.000		0	N.D.		
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Benzyl alcohol	0.000		0	N.D.	d	
15) bis(2-chloroisopropyl)eth	0.000		0	N.D.	d	
16) 2-Methylphenol	0.000		0	N.D.		
17) Acetophenone	0.000		0	N.D.		
18) Hexachloroethane	0.000		0	N.D.		
19) N-Nitroso-di-n-propylamin	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171604.D
Acq On : 17 Aug 2016 12:28 pm
Operator : BNA8:ML
Sample : WG923180-1
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 18 13:30:55 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
20) 4-Methylphenol	0.000		0	N.D.		
23) Nitrobenzene	0.000		0	N.D.	d	
24) Isophorone	0.000		0	N.D.		
25) 2-Nitrophenol	0.000		0	N.D.		
26) 2,4-Dimethylphenol	0.000		0	N.D.		
27) Benzoic acid	0.000		0	N.D.	d	
28) bis(2-Chloroethoxy)methan	0.000		0	N.D.		
29) 2,4-Dichlorophenol	0.000		0	N.D.		
30) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) 4-Chloroaniline	0.000		0	N.D.		
34) Hexachlorobutadiene	0.000		0	N.D.		
35) Caprolactam	6.248	113	2995	0.131	ug/ml#	36
36) 4-Chloro-3-methylphenol	0.000		0	N.D.		
39) 1,2,4,5-Tetrachlorobenzen	0.000		0	N.D.		
40) Hexachlorocyclopentadiene	0.000		0	N.D.		
41) 2,4,6-Trichlorophenol	0.000		0	N.D.		
42) 2,4,5-Trichlorophenol	0.000		0	N.D.		
44) Biphenyl	0.000		0	N.D.	d	
45) 2-Chloronaphthalene	0.000		0	N.D.		
46) 2-Nitroaniline	0.000		0	N.D.		
48) Dimethylphthalate	0.000		0	N.D.		
49) 2,6-Dinitrotoluene	0.000		0	N.D.		
51) 3-Nitroaniline	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) Dibenzofuran	0.000		0	N.D.		
54) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
55) 2,4-Dinitrotoluene	0.000		0	N.D.		
56) 4-Nitrophenol	0.000		0	N.D.		
58) 4-Chlorophenyl-phenylethe	0.000		0	N.D.		
59) Diethylphthalate	8.030	149	7517	0.052	ug/mL#	60
60) 4-Nitroaniline	0.000		0	N.D.		
62) 4,6-Dinitro-2-methylpheno	0.000		0	N.D.		
63) Azobenzene	0.000		0	N.D.		
64) n-Nitrosodiphenylamine	0.000		0	N.D.	d	
66) 4-Bromophenyl-phenylether	0.000		0	N.D.		
67) Hexachlorobenzene	0.000		0	N.D.		
68) Atrazine	0.000		0	N.D.		
69) Pentachlorophenol	0.000		0	N.D.		
70) Pentachloronitrobenzene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171604.D
Acq On : 17 Aug 2016 12:28 pm
Operator : BNA8:ML
Sample : WG923180-1
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 18 13:30:55 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Di-n-butylphthalate	0.000		0	N.D.	d	
77) Benzidine	0.000		0	N.D.		
80) Butylbenzylphthalate	13.476	149	3366	0.205	ug/mL#	82
81) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
84) bis(2-Ethylhexyl)phthalat	0.000		0	N.D.	d	
86) Di-n-octylphthalate	0.000		0	N.D.		

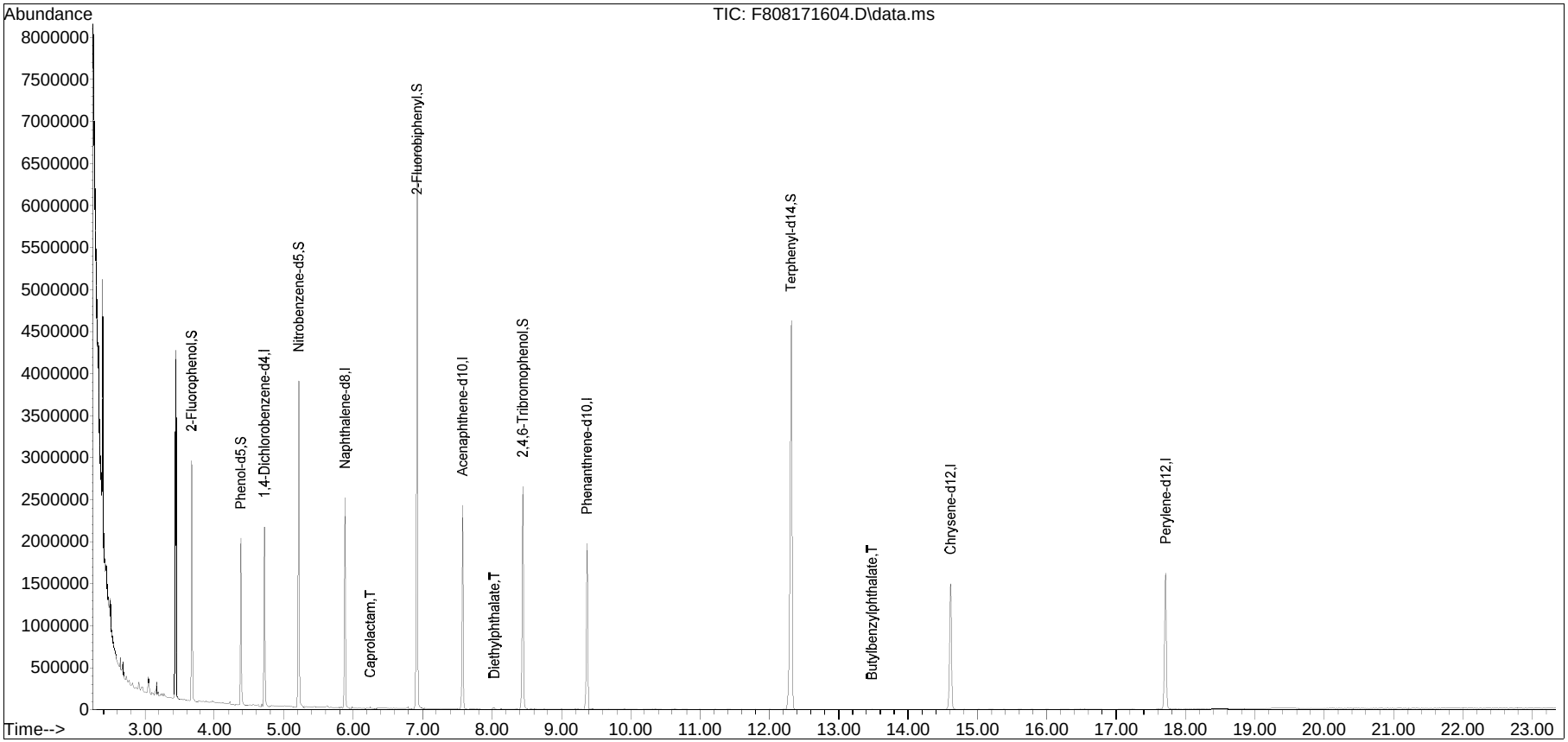
(#) = qualifier out of range (m) = manual integration (+) = signals summed

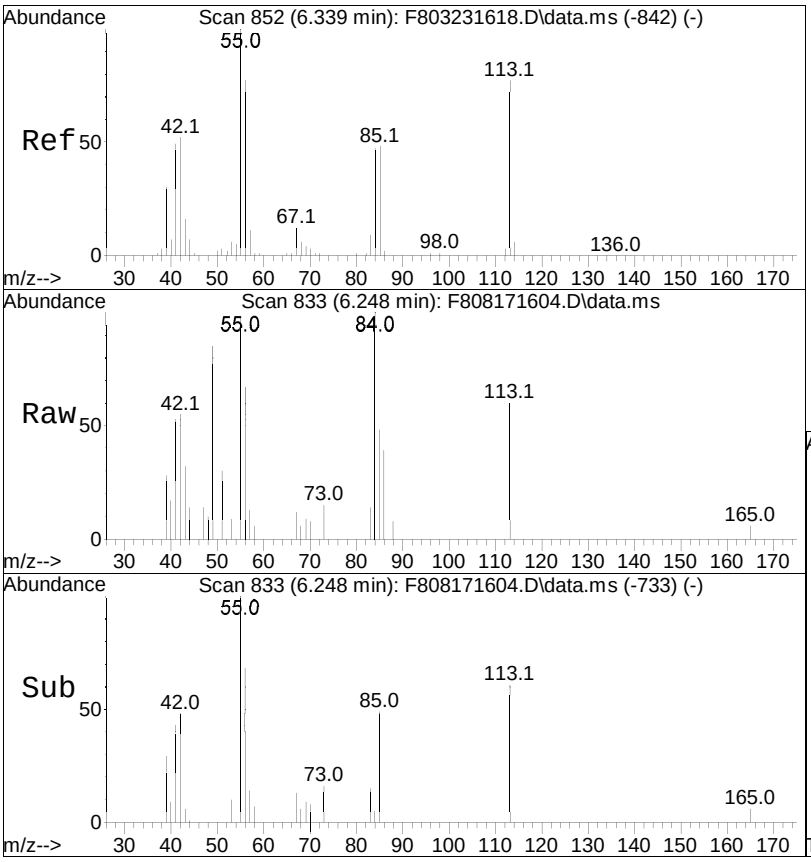
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171604.D
Acq On : 17 Aug 2016 12:28 pm
Operator : BNA8:ML
Sample : WG923180-1
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 18 13:30:55 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

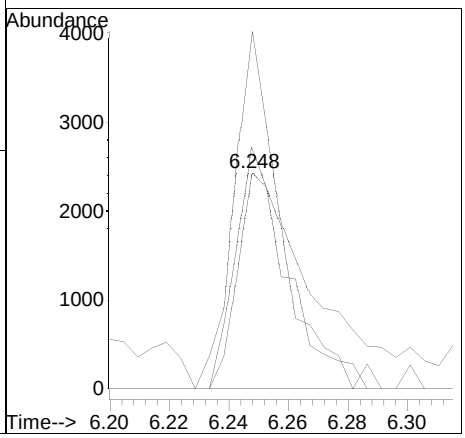


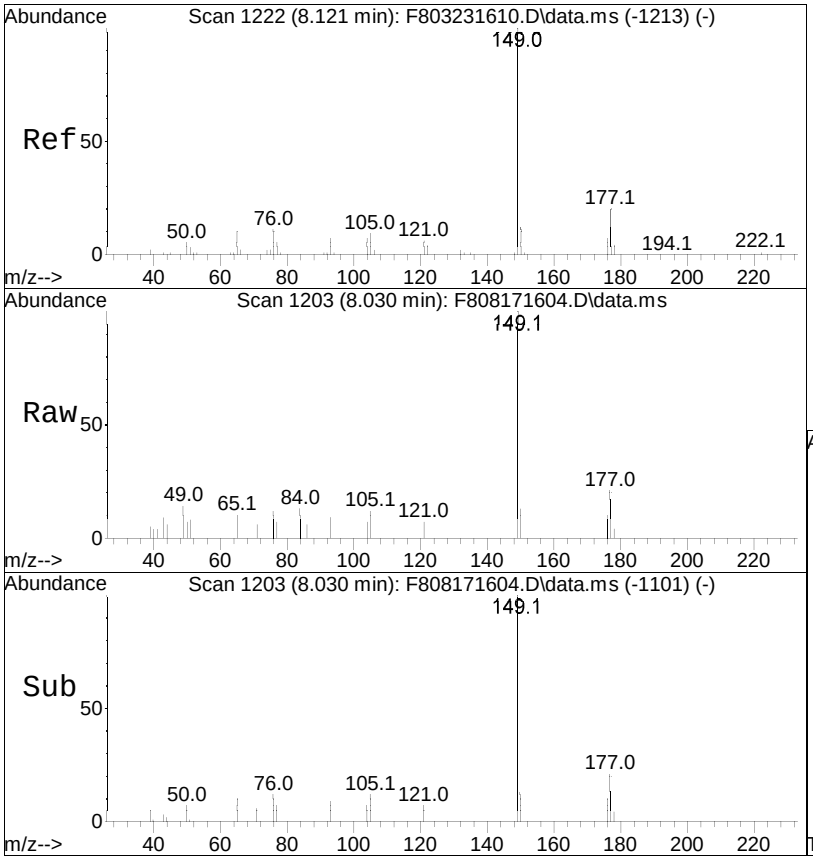


#35
Caprolactam
Concen: 0.13 ug/ml
RT: 6.248 min Scan# 833
Delta R.T. -0.019 min
Lab File: F808171604.D
Acq: 17 Aug 2016 12:28 pm

Tgt Ion:113 Resp: 2995

Ion	Ratio	Lower	Upper
113	100		
55	187.0	82.6	123.8#
56	113.7	63.0	94.6#

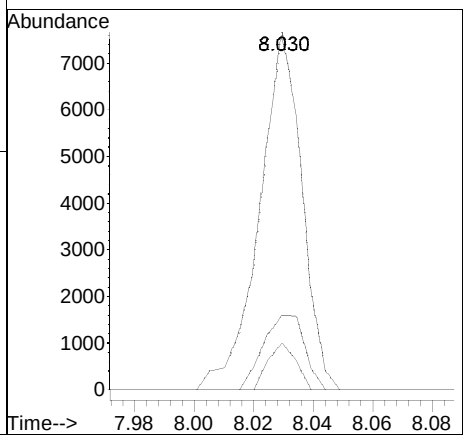


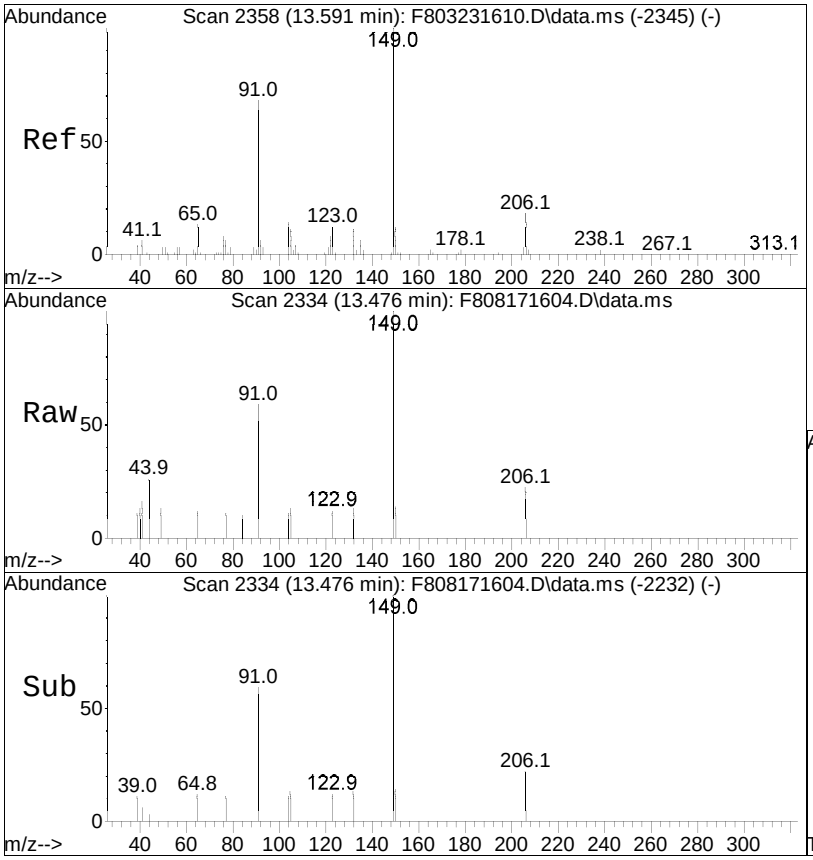


#59
Diethylphthalate
Concen: 0.05 ug/mL
RT: 8.030 min Scan# 1203
Delta R.T. -0.010 min
Lab File: F808171604.D
Acq: 17 Aug 2016 12:28 pm

Tgt Ion:149 Resp: 7517

Ion	Ratio	Lower	Upper
149	100		
177	0.0	16.6	24.8#
150	0.0	9.8	14.6#

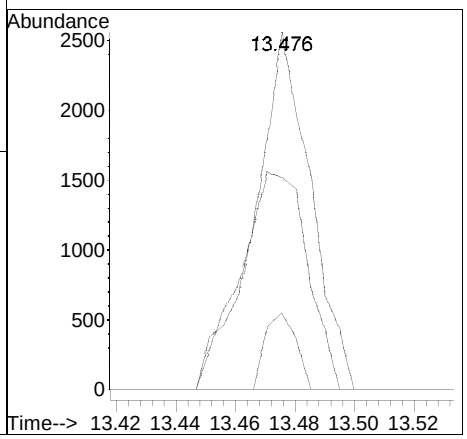




#80
Butylbenzylphthalate
Concen: 0.21 ug/mL
RT: 13.476 min Scan# 2334
Delta R.T. -0.010 min
Lab File: F808171604.D
Acq: 17 Aug 2016 12:28 pm

Tgt Ion:149 Resp: 3366

Ion	Ratio	Lower	Upper
149	100		
91	72.4	50.8	76.2
206	0.0	15.0	22.4#



LCS Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171605.D
Acq On : 17 Aug 2016 1:00 pm
Operator : BNA8:ML
Sample : WG923180-2
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 18 13:33:03 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.721	152	273976	5.000	ug/mL	0.00
21) Naphthalene-d8	5.882	136	1001021	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.577	164	443398	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.373	188	882795	5.000	ug/mL	0.00
76) Chrysene-d12	14.617	240	808247	5.000	ug/mL	0.00
85) Perylene-d12	17.718	264	733598	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.672	112	637804	9.686	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 48.43%			
8) Phenol-d5	4.394	99	542898	6.807	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 34.04%			
22) Nitrobenzene-d5	5.217	82	1104249	17.747	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 88.73%			
43) 2-Fluorobiphenyl	6.917	172	1837446	15.678	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 78.39%			
65) 2,4,6-Tribromophenol	8.448	330	235504	20.012	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 100.06%			
79) Terphenyl-d14	12.310	244	2152570	18.805	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 94.03%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.757	74	187311	5.320	ug/mL#	72
3) Pyridine	2.781	79	302601	4.518	ug/mL	92
5) Benzaldehyde	4.360	77	407551	7.562	ug/ml	88
6) Aniline	4.442	93	623831	6.133	ug/ml	95
7) bis(2-Chloroethyl)ether	4.490	63	366513	8.226	ug/mL	95
9) Phenol	4.404	94	288470M4	3.483	ug/mL	
10) 2-Chlorophenol	4.543	128	545494	7.613	ug/mL	95
11) 1,3-Dichlorobenzene	4.673	146	366867M4	4.667	ug/mL	
12) 1,4-Dichlorobenzene	4.741	146	383245M4	4.883	ug/mL	
13) 1,2-Dichlorobenzene	4.871	146	387221	5.192	ug/mL	99
14) Benzyl alcohol	4.837	108	313434	7.193	ug/mL#	81
15) bis(2-chloroisopropyl)eth	4.953	45	654870	8.177	ug/mL#	64
16) 2-Methylphenol	4.933	108	397094	7.051	ug/mL	97
17) Acetophenone	5.078	105	701194	7.813	ug/ml#	69
18) Hexachloroethane	5.169	117	115401	3.610	ug/mL	98
19) N-Nitroso-di-n-propylamin	5.073	70	392319	8.911	ug/mL#	90
20) 4-Methylphenol	5.068	108	395391	6.443	ug/mL	96
23) Nitrobenzene	5.237	77	553931	8.861	ug/mL	93

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171605.D
Acq On : 17 Aug 2016 1:00 pm
Operator : BNA8:ML
Sample : WG923180-2
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 18 13:33:03 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.449	82	921155	9.417	ug/mL	97
25) 2-Nitrophenol	5.526	139	314624	8.789	ug/mL#	87
26) 2,4-Dimethylphenol	5.554	107	475983	8.435	ug/mL	94
27) Benzoic acid	5.675	105	668336M4	15.309	ug/mL	
28) bis(2-Chloroethoxy)methan	5.646	93	633275	8.813	ug/mL#	96
29) 2,4-Dichlorophenol	5.747	162	468648	8.848	ug/mL	99
30) 1,2,4-Trichlorobenzene	5.829	180	324905	5.745	ug/mL	98
31) Naphthalene	5.906	128	1305174	7.139	ug/mL	99
32) 2-Chloroaniline	5.492	127	760616	8.230	ug/ml	99
33) 4-Chloroaniline	5.954	127	641146M4	8.183	ug/mL	
34) Hexachlorobutadiene	6.012	225	105696	3.653	ug/mL	99
35) Caprolactam	6.282	113	56522M4	2.905	ug/ml	
36) 4-Chloro-3-methylphenol	6.412	107	455321	8.949	ug/mL	94
37) 2-Methylnaphthalene	6.561	142	855007	7.048	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.725	216	328768	6.607	ug/mL	99
40) Hexachlorocyclopentadiene	6.710	237	109061	4.435	ug/mL	99
41) 2,4,6-Trichlorophenol	6.835	196	319439M6	9.230	ug/mL	
42) 2,4,5-Trichlorophenol	6.874	196	340607M6	9.768	ug/mL	
44) Biphenyl	7.014	154	985390	6.975	ug/ml#	98
45) 2-Chloronaphthalene	7.038	162	814136	7.766	ug/mL	95
46) 2-Nitroaniline	7.134	65	282039	9.854	ug/mL	85
47) Acenaphthylene	7.442	152	1484079	8.652	ug/mL	100
48) Dimethylphthalate	7.312	163	1109110	9.698	ug/mL	99
49) 2,6-Dinitrotoluene	7.375	165	264244	9.925	ug/mL	96
50) Acenaphthene	7.611	153	914355	8.622	ug/mL	99
51) 3-Nitroaniline	7.538	138	274140	8.934	ug/mL	85
52) 2,4-Dinitrophenol	7.649	184	193814	9.435	ug/mL	91
53) Dibenzofuran	7.789	168	1223517	8.785	ug/mL	95
54) 2,3,4,6-Tetrachlorophenol	7.919	232	230951	9.358	ug/mL	99
55) 2,4-Dinitrotoluene	7.779	165	356520	10.383	ug/mL#	70
56) 4-Nitrophenol	7.712	109	74876	4.985	ug/mL	83
57) Fluorene	8.164	166	1018600	9.144	ug/mL	99
58) 4-Chlorophenyl-phenylethe	8.164	204	462328	9.098	ug/mL	95
59) Diethylphthalate	8.039	149	1181247	10.028	ug/mL	99
60) 4-Nitroaniline	8.193	138	314688	10.185	ug/mL#	86
62) 4,6-Dinitro-2-methylpheno	8.227	198	236526	9.839	ug/mL	96
63) Azobenzene	8.352	182	290396	8.548	ug/mL	87
64) n-Nitrosodiphenylamine	8.304	169	777602	9.077	ug/mL	98
66) 4-Bromophenyl-phenylether	8.757	248	264538	8.748	ug/mL	94
67) Hexachlorobenzene	8.834	284	272771	8.818	ug/mL	95
68) Atrazine	8.988	200	327856	9.506	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171605.D
Acq On : 17 Aug 2016 1:00 pm
Operator : BNA8:ML
Sample : WG923180-2
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 18 13:33:03 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	9.103	266	206193	8.991	ug/mL	96
70) Pentachloronitrobenzene	9.118	237	137364	10.359	ug/ml	90
71) Phenanthrene	9.407	178	1578164	8.879	ug/mL	100
72) Anthracene	9.484	178	1593401	9.040	ug/mL	99
73) Carbazole	9.739	167	1621067	9.736	ug/mL	99
74) Di-n-butylphthalate	10.355	149	2106889	10.080	ug/mL	99
75) Fluoranthene	11.453	202	1706711	9.008	ug/mL#	91
77) Benzidine	11.776	184	441944	3.405	ug/mL	98
78) Pyrene	11.901	202	1785994	9.103	ug/mL#	92
80) Butylbenzylphthalate	13.480	149	976211	9.516	ug/mL	94
81) 3,3'-Dichlorobenzidine	14.627	252	516152	8.068	ug/mL	99
82) Benz[a]anthracene	14.598	228	1629776	9.531	ug/mL	99
83) Chrysene	14.679	228	1560695	9.072	ug/mL	99
84) bis(2-Ethylhexyl)phthalat	14.944	149	1283853	9.510	ug/mL	99
86) Di-n-octylphthalate	16.461	149	2290108	9.311	ug/mL	99
87) Benzo[b]fluoranthene	16.986	252	1542307	9.863	ug/mL#	96
88) Benzo[k]fluoranthene	17.044	252	1518438M3	9.769	ug/mL	
89) Benzo[a]pyrene	17.612	252	1459619	9.588	ug/mL	97
90) Indeno[1,2,3-cd]pyrene	19.533	276	1258920	10.125	ug/mL	97
91) Dibenz[a,h]anthracene	19.586	278	1334932	10.602	ug/mL	94
92) Benzo[g,h,i]perylene	19.957	276	1380139	9.872	ug/mL	94

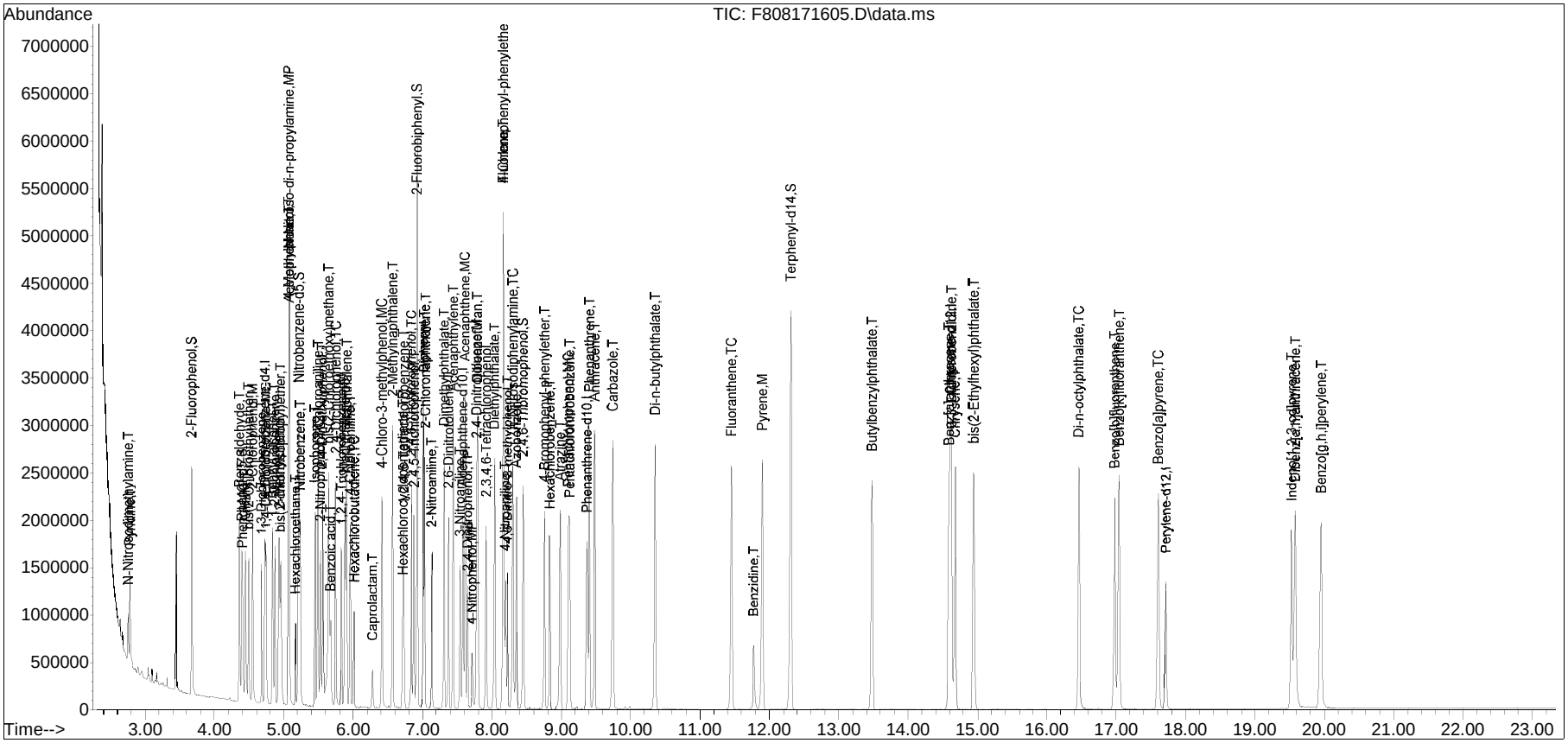
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171605.D
Acq On : 17 Aug 2016 1:00 pm
Operator : BNA8:ML
Sample : WG923180-2
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 18 13:33:03 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



LCS Duplicate Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171606.D
Acq On : 17 Aug 2016 1:33 pm
Operator : BNA8:ML
Sample : WG923180-3
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 13:35:27 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.721	152	294083	5.000	ug/mL	0.00
21) Naphthalene-d8	5.882	136	1072763	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.577	164	519175	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.373	188	973960	5.000	ug/mL	0.00
76) Chrysene-d12	14.617	240	893645	5.000	ug/mL	0.00
85) Perylene-d12	17.718	264	831649	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.672	112	663846	9.393	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 46.97%			
8) Phenol-d5	4.394	99	542663	6.338	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 31.69%			
22) Nitrobenzene-d5	5.217	82	1112772	16.688	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 83.44%			
43) 2-Fluorobiphenyl	6.917	172	1994437	14.534	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 72.67%			
65) 2,4,6-Tribromophenol	8.449	330	248594	19.147	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 95.73%			
79) Terphenyl-d14	12.310	244	2384609	18.841	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 94.21%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.757	74	199878	5.289	ug/mL#	76
3) Pyridine	2.781	79	314492	4.374	ug/mL	92
5) Benzaldehyde	4.356	77	441478	7.631	ug/ml	88
6) Aniline	4.442	93	662151	6.064	ug/ml	95
7) bis(2-Chloroethyl)ether	4.486	63	382595	7.999	ug/mL	94
9) Phenol	4.404	94	287463M6	3.234	ug/mL	
10) 2-Chlorophenol	4.543	128	563214	7.323	ug/mL	95
11) 1,3-Dichlorobenzene	4.673	146	321319	3.808	ug/mL	100
12) 1,4-Dichlorobenzene	4.736	146	338078M4	4.013	ug/mL	
13) 1,2-Dichlorobenzene	4.871	146	349962	4.372	ug/mL	99
14) Benzyl alcohol	4.837	108	321040	6.864	ug/mL#	81
15) bis(2-chloroisopropyl)eth	4.953	45	674210	7.843	ug/mL#	64
16) 2-Methylphenol	4.929	108	404840	6.697	ug/mL	98
17) Acetophenone	5.078	105	737345	7.654	ug/ml#	71
18) Hexachloroethane	5.169	117	92263	2.689	ug/mL	99
19) N-Nitroso-di-n-propylamin	5.073	70	401750	8.502	ug/mL#	90
20) 4-Methylphenol	5.068	108	400872	6.085	ug/mL	98
23) Nitrobenzene	5.232	77	552123	8.242	ug/mL	93

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171606.D
Acq On : 17 Aug 2016 1:33 pm
Operator : BNA8:ML
Sample : WG923180-3
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 13:35:27 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Isophorone	5.449	82	920230	8.778	ug/mL	97
25) 2-Nitrophenol	5.526	139	319994	8.342	ug/mL#	87
26) 2,4-Dimethylphenol	5.555	107	475834	7.868	ug/mL	95
27) Benzoic acid	5.670	105	622819M4	13.445	ug/mL	
28) bis(2-Chloroethoxy)methan	5.646	93	649222	8.431	ug/mL	96
29) 2,4-Dichlorophenol	5.747	162	470254	8.284	ug/mL	99
30) 1,2,4-Trichlorobenzene	5.824	180	296142	4.886	ug/mL	99
31) Naphthalene	5.901	128	1279449	6.530	ug/mL	99
32) 2-Chloroaniline	5.492	127	763628	7.710	ug/ml	99
33) 4-Chloroaniline	5.949	127	676762M4	8.060	ug/mL	
34) Hexachlorobutadiene	6.012	225	85755	2.766	ug/mL	99
35) Caprolactam	6.282	113	56262M4	2.698	ug/ml	
36) 4-Chloro-3-methylphenol	6.412	107	492797	9.037	ug/mL	95
37) 2-Methylnaphthalene	6.561	142	895938	6.891	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.725	216	340979	5.853	ug/mL	99
40) Hexachlorocyclopentadiene	6.710	237	101574	3.527	ug/mL	98
41) 2,4,6-Trichlorophenol	6.835	196	346874M6	8.559	ug/mL	
42) 2,4,5-Trichlorophenol	6.869	196	377372M6	9.243	ug/mL	
44) Biphenyl	7.014	154	1180846	7.138	ug/ml#	98
45) 2-Chloronaphthalene	7.038	162	860011	7.007	ug/mL	95
46) 2-Nitroaniline	7.134	65	312122	9.314	ug/mL	84
47) Acenaphthylene	7.437	152	1589817	7.916	ug/mL	99
48) Dimethylphthalate	7.312	163	1196411	8.935	ug/mL	99
49) 2,6-Dinitrotoluene	7.375	165	287989	9.238	ug/mL	96
50) Acenaphthene	7.611	153	985032	7.933	ug/mL	98
51) 3-Nitroaniline	7.538	138	324647	9.035	ug/mL	85
52) 2,4-Dinitrophenol	7.649	184	223156	9.290	ug/mL	93
53) Dibenzofuran	7.789	168	1347756	8.265	ug/mL	95
54) 2,3,4,6-Tetrachlorophenol	7.919	232	256608	8.880	ug/mL	99
55) 2,4-Dinitrotoluene	7.779	165	397914	9.897	ug/mL#	70
56) 4-Nitrophenol	7.712	109	77672	4.416	ug/mL	87
57) Fluorene	8.164	166	1090122	8.358	ug/mL	99
58) 4-Chlorophenyl-phenylethe	8.164	204	488957	8.218	ug/mL	95
59) Diethylphthalate	8.039	149	1279006	9.273	ug/mL	100
60) 4-Nitroaniline	8.193	138	346637	9.581	ug/mL	88
62) 4,6-Dinitro-2-methylpheno	8.227	198	254571	9.598	ug/mL	97
63) Azobenzene	8.352	182	312088	8.327	ug/mL	88
64) n-Nitrosodiphenylamine	8.304	169	838051	8.866	ug/mL	98
66) 4-Bromophenyl-phenylether	8.757	248	287615	8.621	ug/mL	95
67) Hexachlorobenzene	8.834	284	291838	8.551	ug/mL	95
68) Atrazine	8.988	200	358616	9.424	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171606.D
Acq On : 17 Aug 2016 1:33 pm
Operator : BNA8:ML
Sample : WG923180-3
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 13:35:27 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	9.103	266	227531M4	8.993	ug/mL	
70) Pentachloronitrobenzene	9.118	237	147323	10.070	ug/ml	91
71) Phenanthrene	9.407	178	1685396	8.594	ug/mL	100
72) Anthracene	9.484	178	1690821	8.695	ug/mL	99
73) Carbazole	9.739	167	1721803	9.373	ug/mL	99
74) Di-n-butylphthalate	10.355	149	2258372	9.793	ug/mL	99
75) Fluoranthene	11.453	202	1879275	8.990	ug/mL#	93
77) Benzidine	11.781	184	1120120	7.806	ug/mL	100
78) Pyrene	11.901	202	1987161	9.161	ug/mL	93
80) Butylbenzylphthalate	13.481	149	1060646	9.354	ug/mL	93
81) 3,3'-Dichlorobenzidine	14.627	252	551127	7.792	ug/mL	97
82) Benz[a]anthracene	14.598	228	1763826	9.329	ug/mL	100
83) Chrysene	14.680	228	1682440	8.845	ug/mL	99
84) bis(2-Ethylhexyl)phthalat	14.944	149	1381199	9.259	ug/mL	98
86) Di-n-octylphthalate	16.461	149	2517468	9.026	ug/mL	99
87) Benzo[b]fluoranthene	16.986	252	1709808	9.645	ug/mL	97
88) Benzo[k]fluoranthene	17.044	252	1661590M6	9.429	ug/mL	
89) Benzo[a]pyrene	17.612	252	1581058	9.161	ug/mL	97
90) Indeno[1,2,3-cd]pyrene	19.533	276	1403387	9.956	ug/mL	98
91) Dibenz[a,h]anthracene	19.586	278	1431765	10.030	ug/mL	95
92) Benzo[g,h,i]perylene	19.957	276	1501688	9.475	ug/mL	95

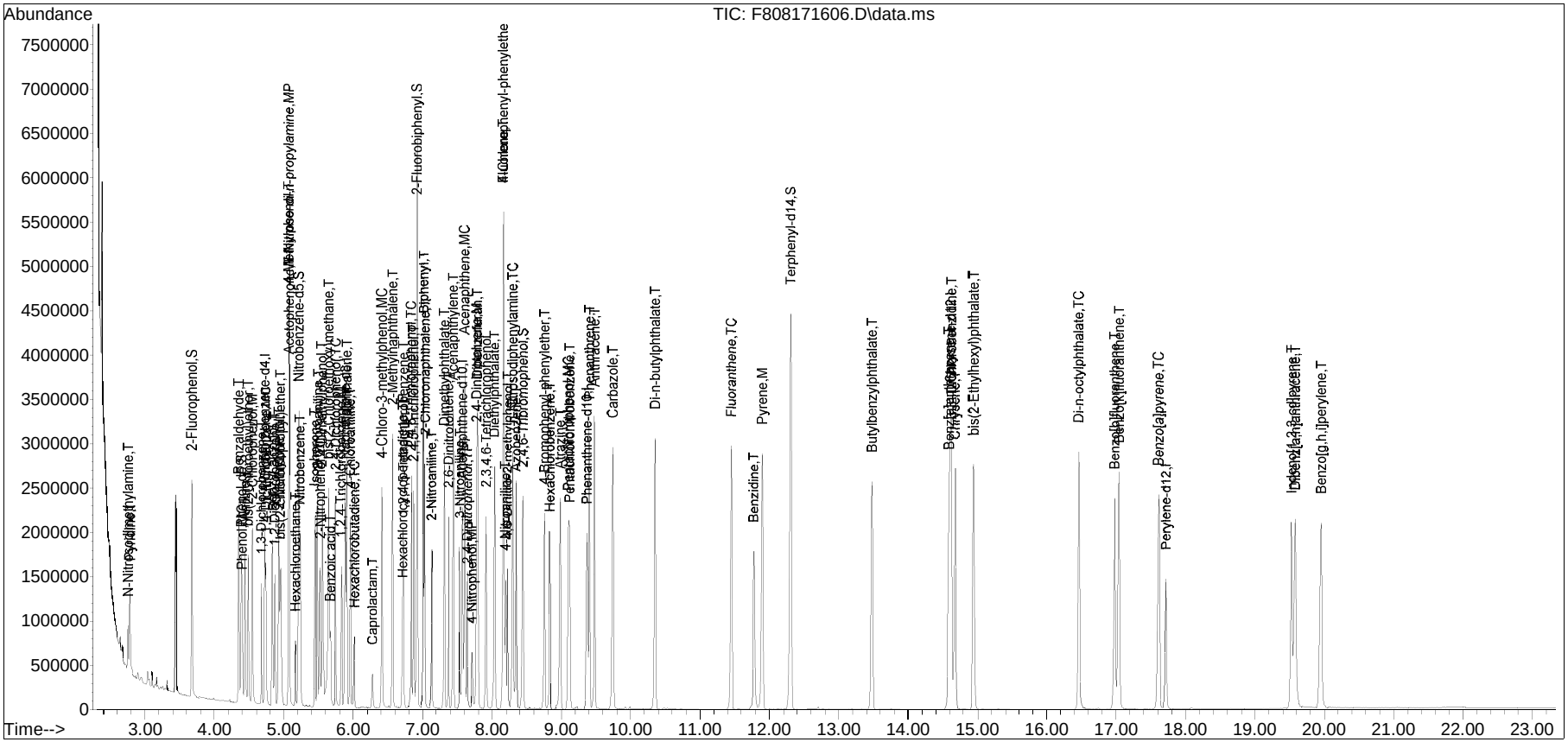
(#) = qualifier out of range (m) = manual integration (+) = signals summed

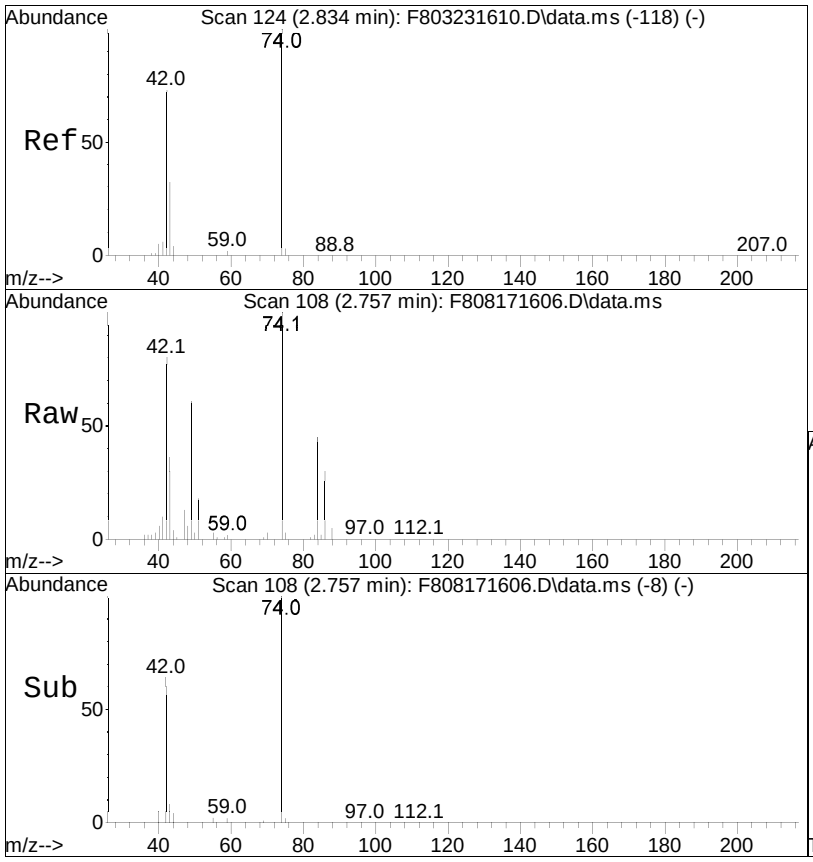
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171606.D
Acq On : 17 Aug 2016 1:33 pm
Operator : BNA8:ML
Sample : WG923180-3
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 13:35:27 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

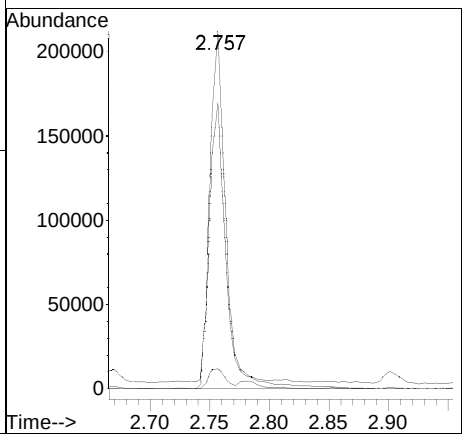


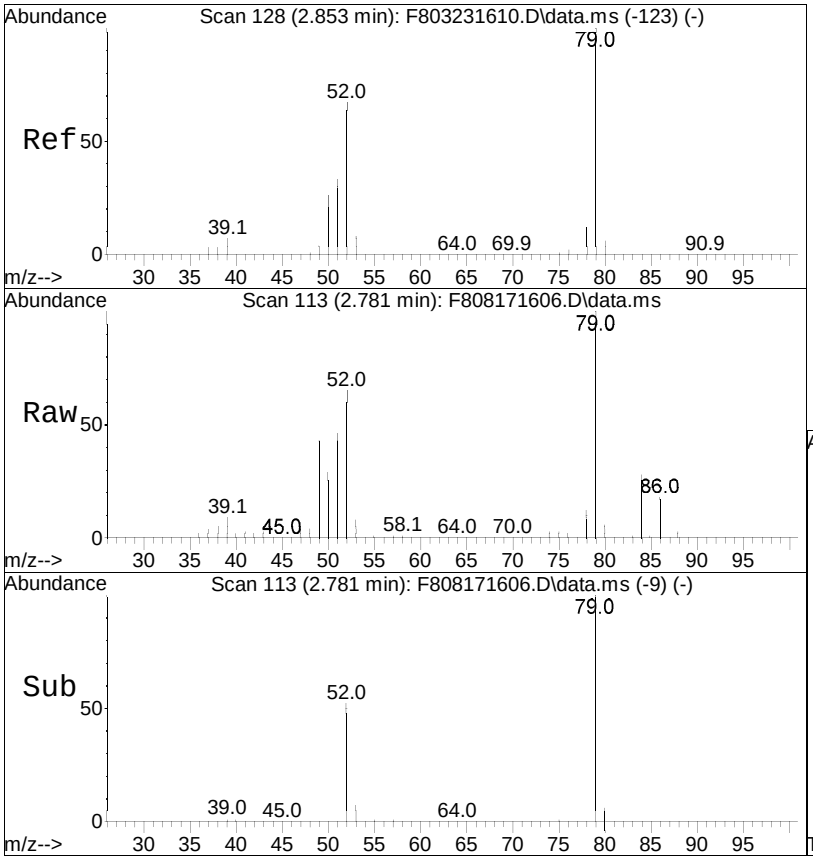


#2
N-Nitrosodimethylamine
Concen: 5.29 ug/mL
RT: 2.757 min Scan# 108
Delta R.T. -0.019 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion: 74 Resp: 199878

Ion	Ratio	Lower	Upper
74	100		
42	73.0	43.8	65.6#
40	8.3	4.2	6.4#

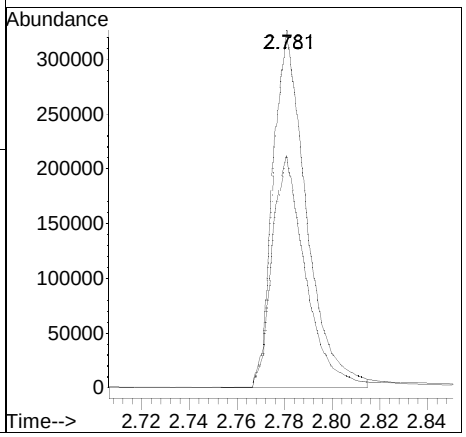


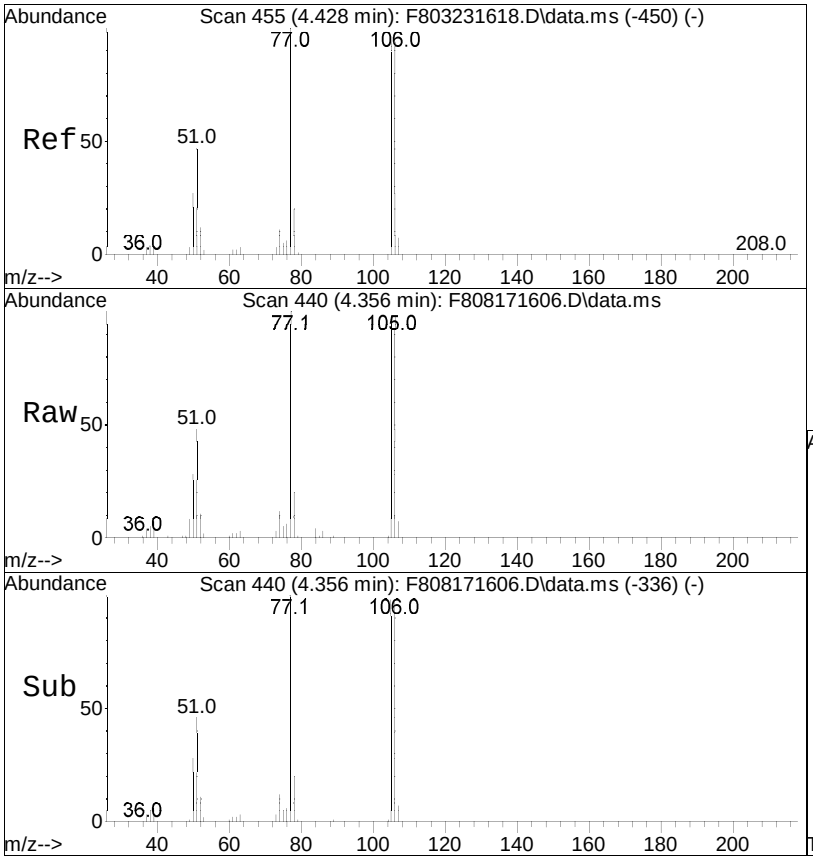


#3
Pyridine
Concen: 4.37 ug/mL
RT: 2.781 min Scan# 113
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion: 79 Resp: 314492

Ion	Ratio	Lower	Upper
79	100		
52	64.5	46.6	69.8

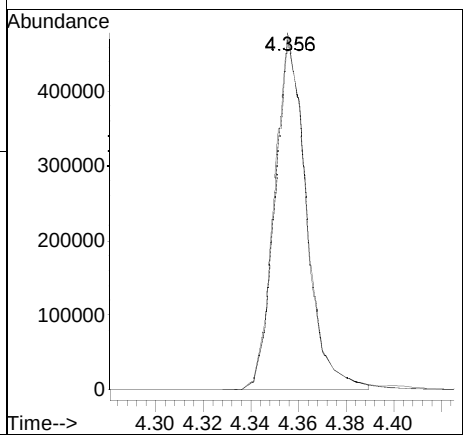


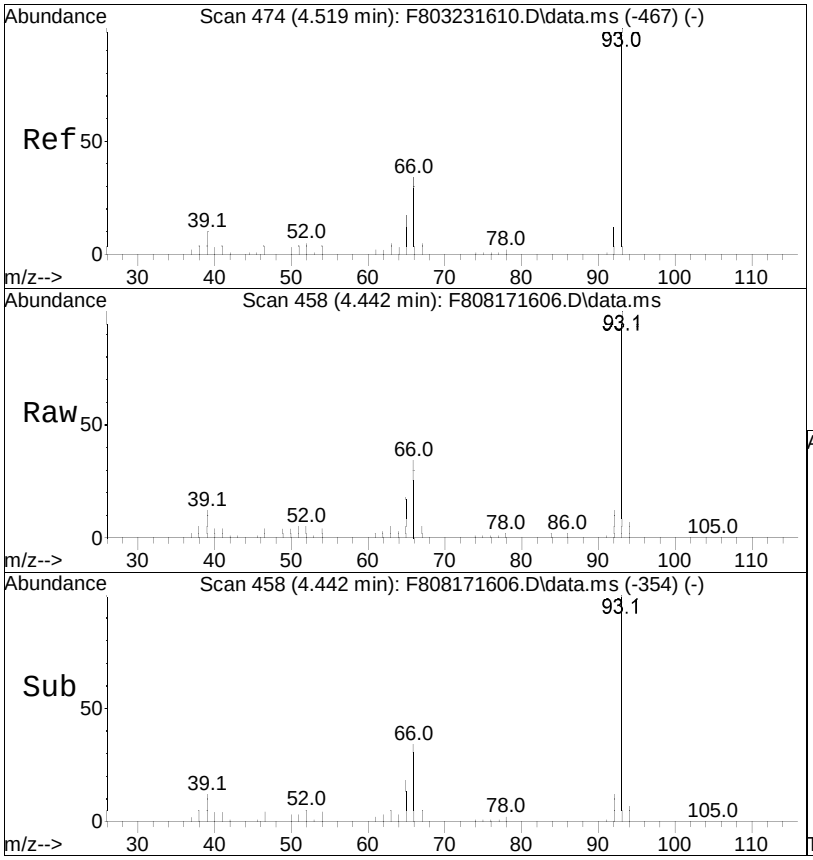


#5
Benzaldehyde
Concen: 7.63 ug/ml
RT: 4.356 min Scan# 440
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion: 77 Resp: 441478

Ion	Ratio	Lower	Upper
77	100		
105	98.2	88.1	132.1
106	98.6	89.8	134.8

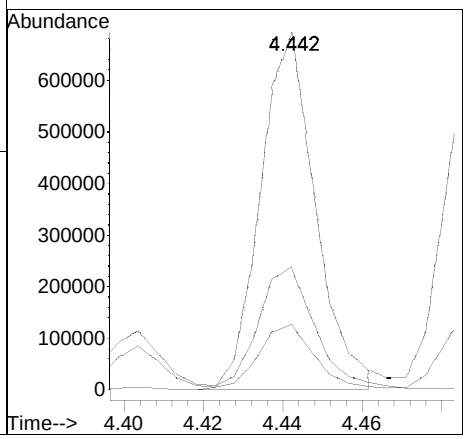


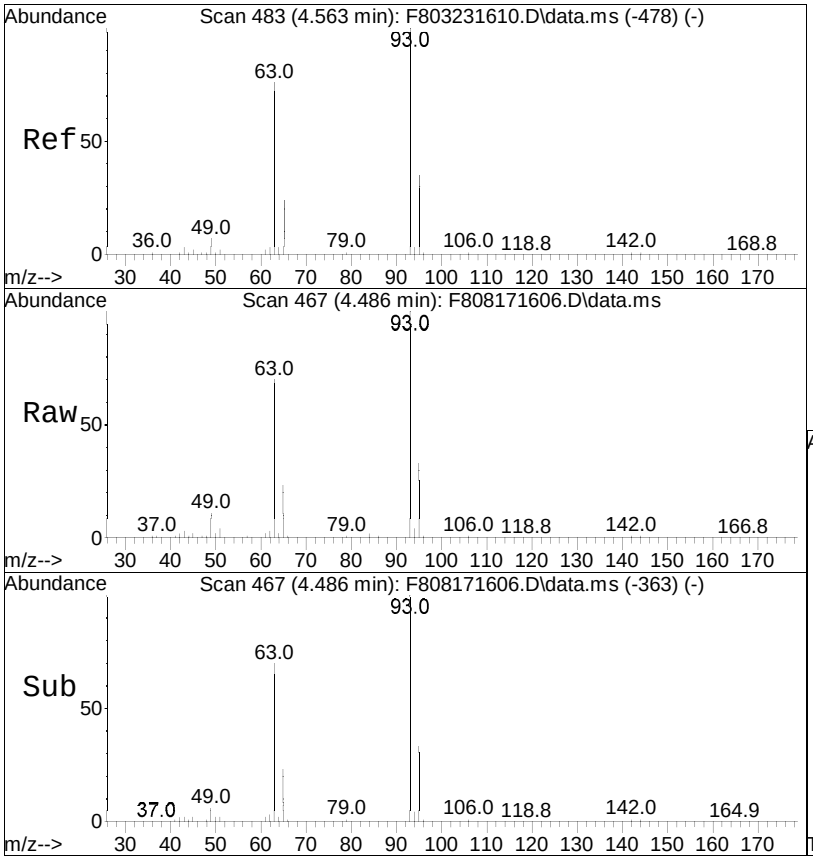


#6
Aniline
Concen: 6.06 ug/ml
RT: 4.442 min Scan# 458
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion: 93 Resp: 662151

Ion	Ratio	Lower	Upper
93	100		
66	36.6	26.7	40.1
65	19.0	14.2	21.4

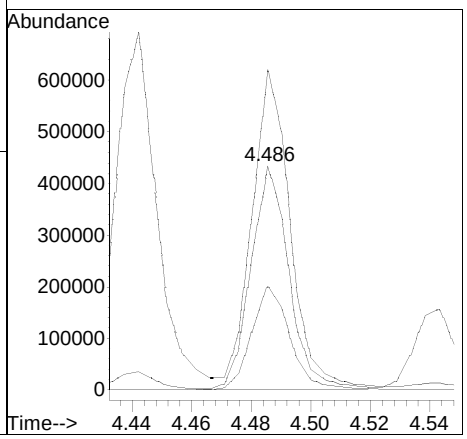


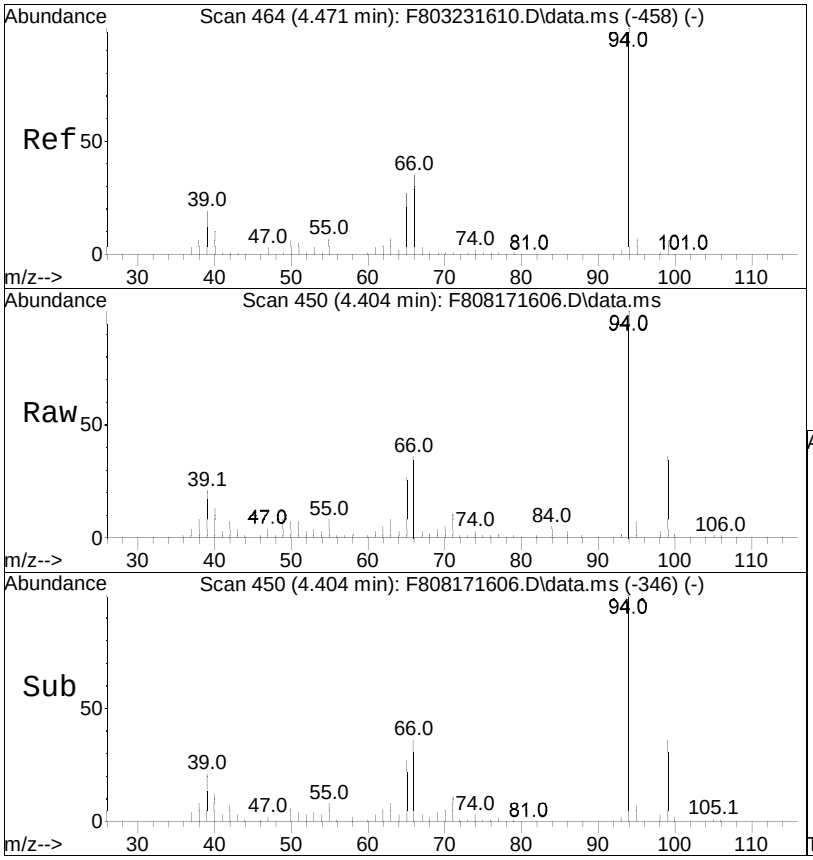


#7
bis(2-Chloroethyl)ether
Concen: 8.00 ug/mL
RT: 4.486 min Scan# 467
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion: 63 Resp: 382595

Ion	Ratio	Lower	Upper
63	100		
93	146.7	123.0	184.4
95	47.0	41.1	61.7

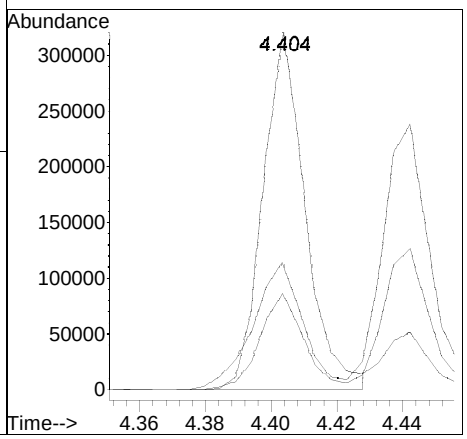


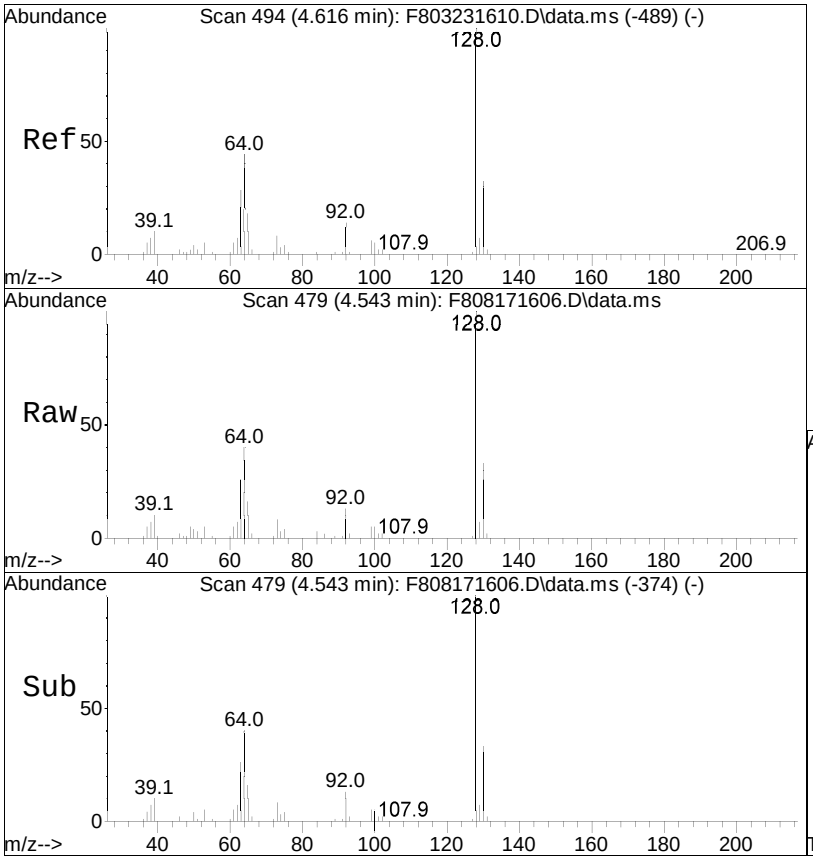


#9
Phenol
Concen: 3.23 ug/mL M6
RT: 4.404 min Scan# 450
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion: 94 Resp: 287463

Ion	Ratio	Lower	Upper
94	100		
66	42.8	21.7	32.5#
65	28.3	17.6	26.4#

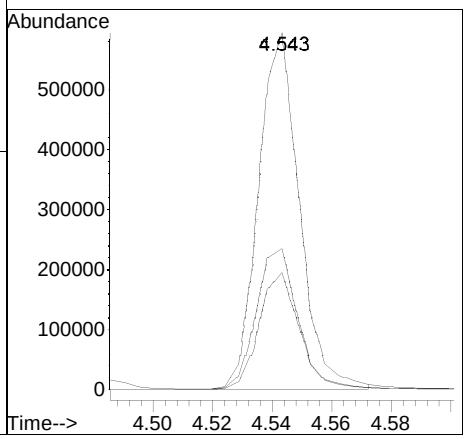


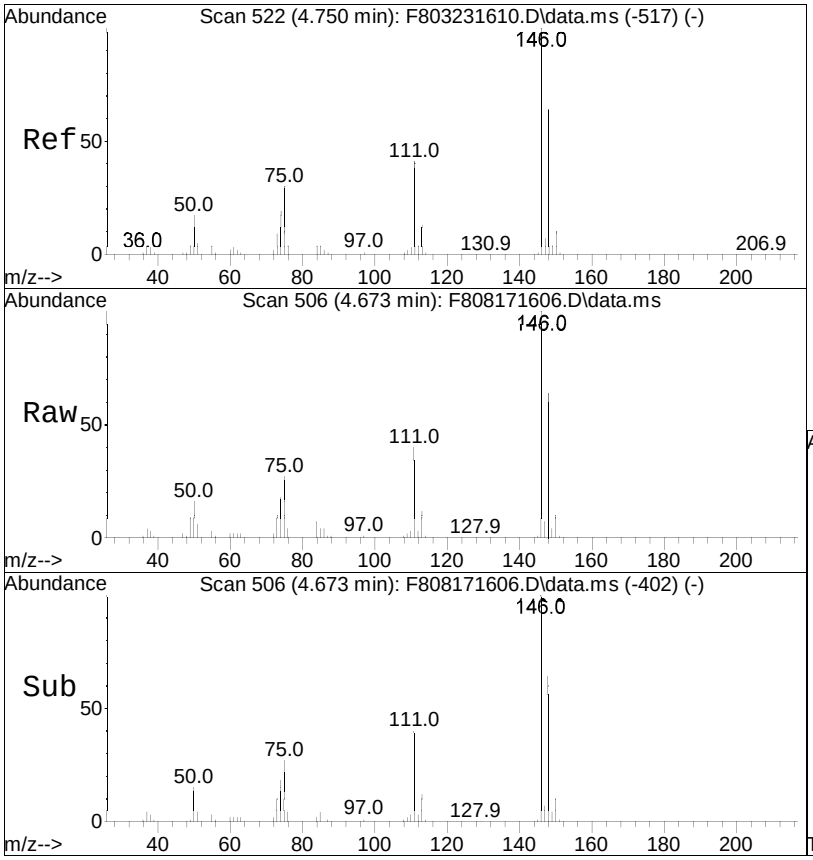


#10
2-Chlorophenol
Concen: 7.32 ug/mL
RT: 4.543 min Scan# 479
Delta R.T. 0.005 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:128 Resp: 563214

Ion	Ratio	Lower	Upper
128	100		
64	40.4	27.6	41.4
130	32.6	26.2	39.4

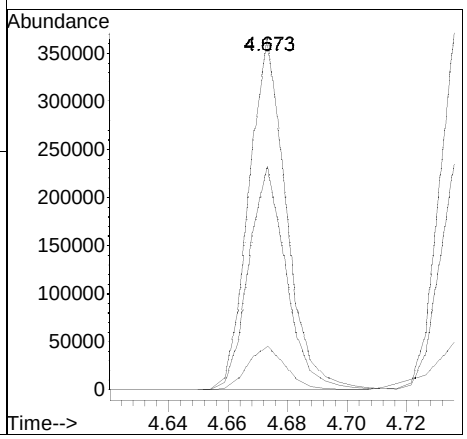


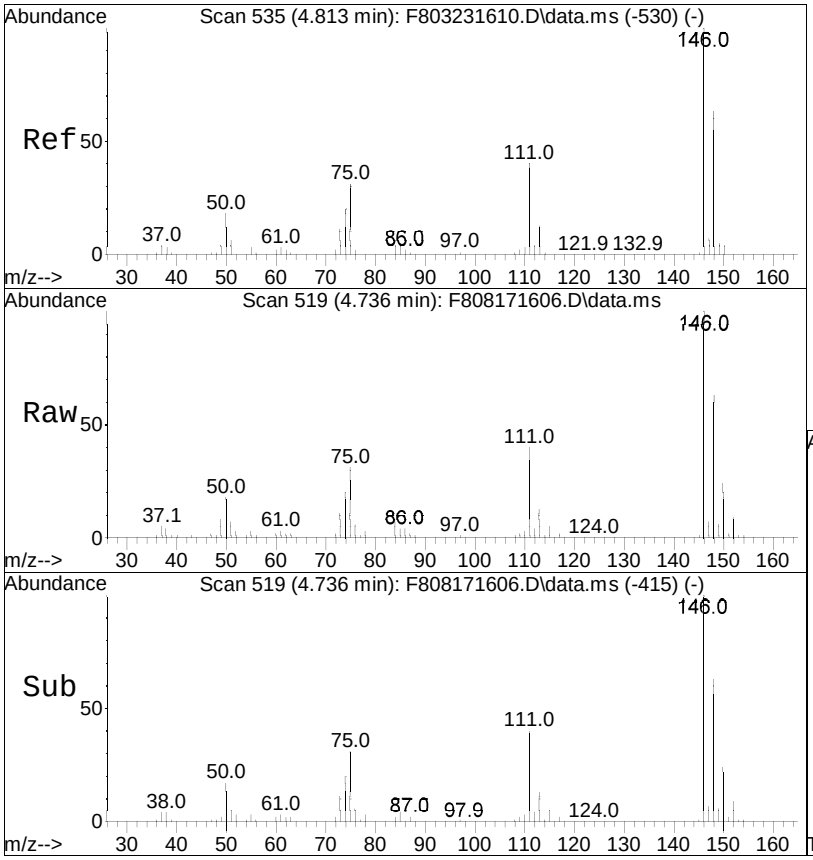


#11
1,3-Dichlorobenzene
Concen: 3.81 ug/mL
RT: 4.673 min Scan# 506
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:146 Resp: 321319

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.0	76.6
113	12.7	9.7	14.5

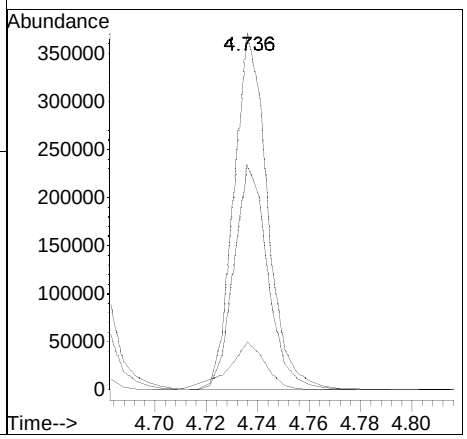


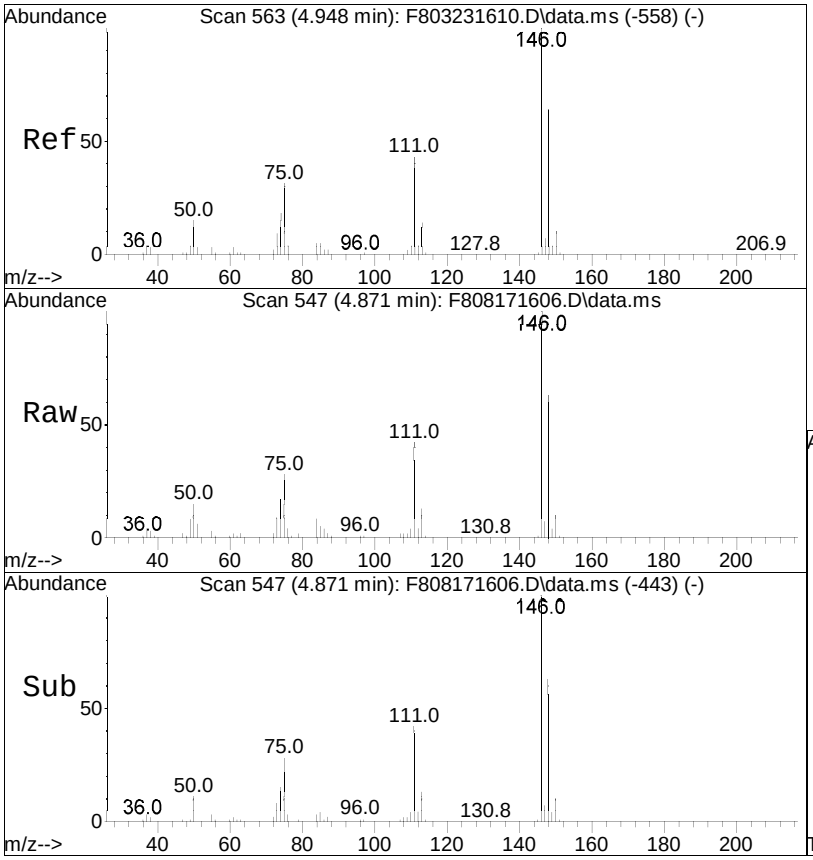


#12
1,4-Dichlorobenzene
Concen: 4.01 ug/mL M4
RT: 4.736 min Scan# 519
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:146 Resp: 338078

Ion	Ratio	Lower	Upper
146	100		
148	60.6	51.2	76.8
113	12.0	9.1	13.7

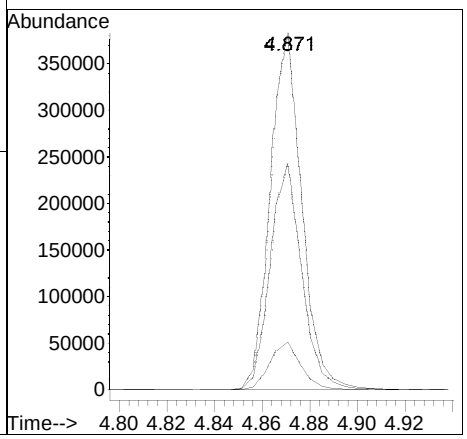


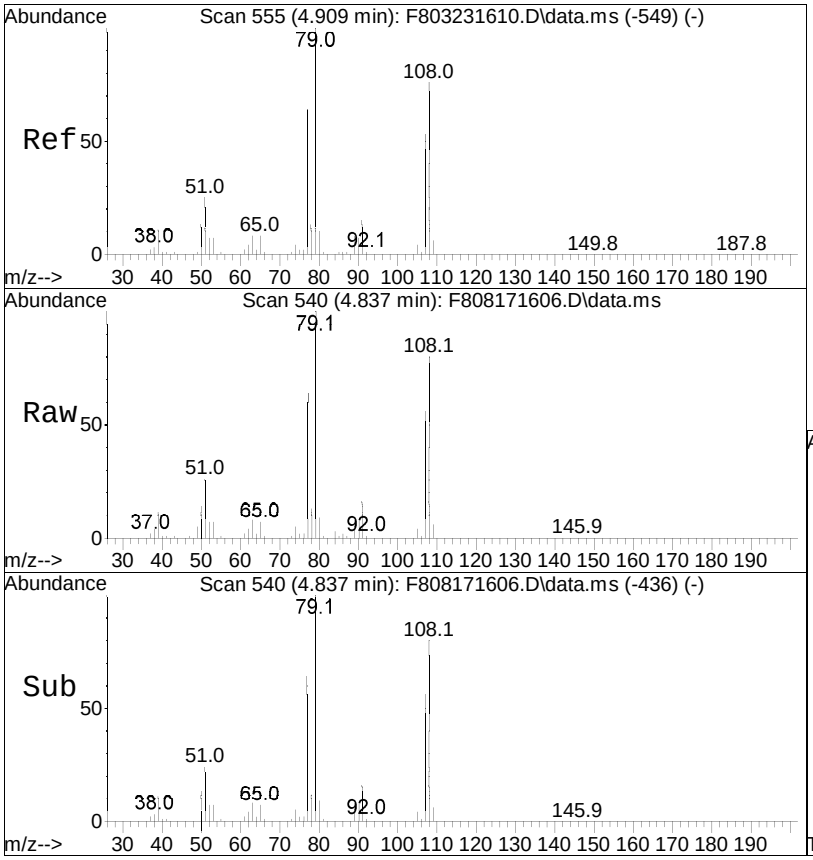


#13
1,2-Dichlorobenzene
Concen: 4.37 ug/mL
RT: 4.871 min Scan# 547
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:146 Resp: 349962

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.0	76.6
113	13.4	10.0	15.0

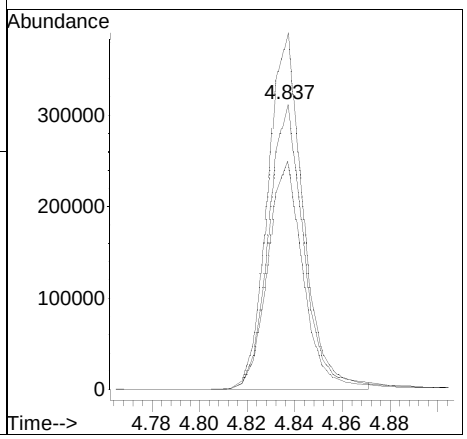


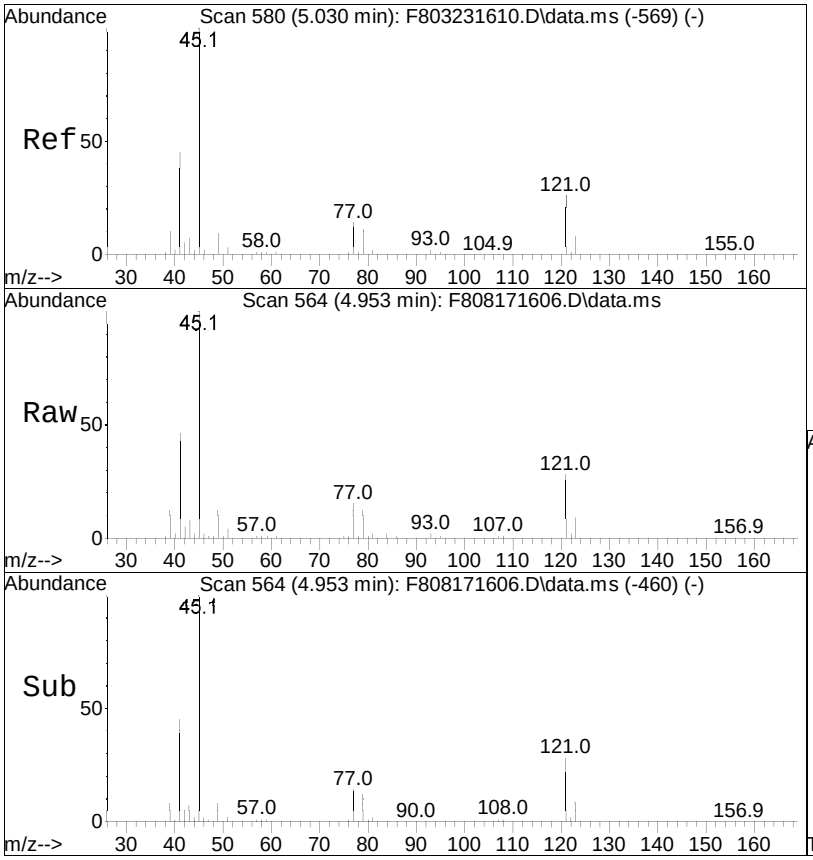


#14
Benzyl alcohol
Concen: 6.86 ug/mL
RT: 4.837 min Scan# 540
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:108 Resp: 321040

Ion	Ratio	Lower	Upper
108	100		
79	125.0	84.5	126.7
77	80.7	52.9	79.3#

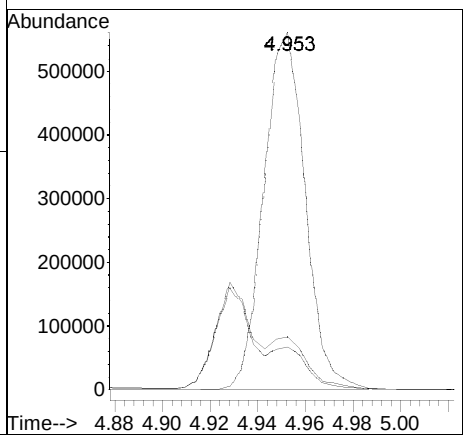


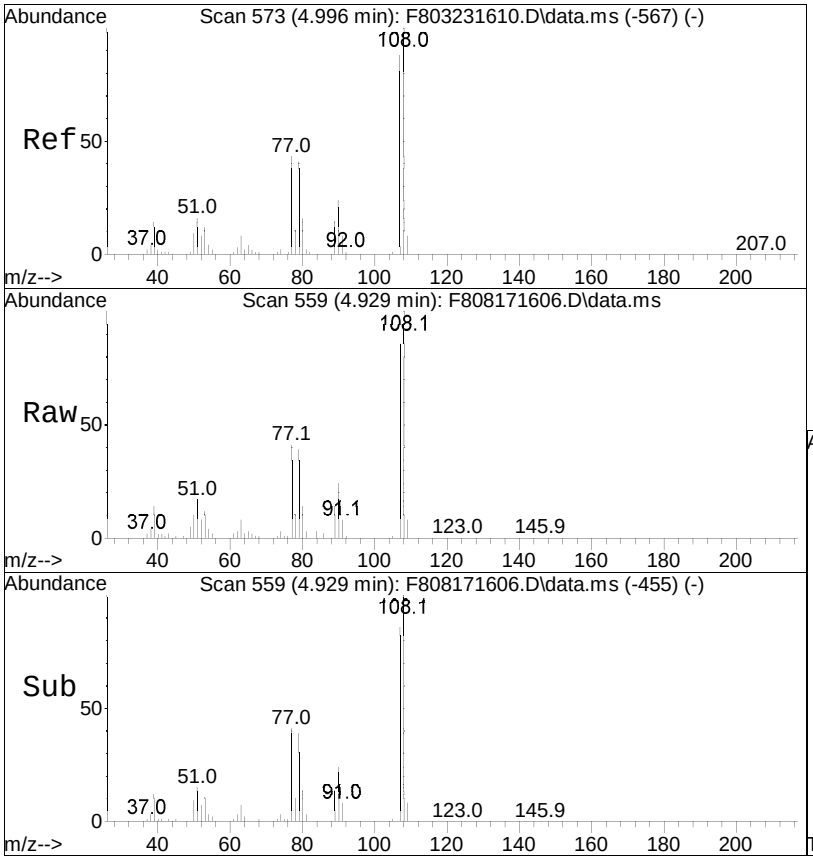


#15
bis(2-chloroisopropyl)ether
Concen: 7.84 ug/mL
RT: 4.953 min Scan# 564
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion: 45 Resp: 674210

Ion	Ratio	Lower	Upper
45	100		
77	0.0	13.2	19.8#
79	0.0	10.9	16.3#

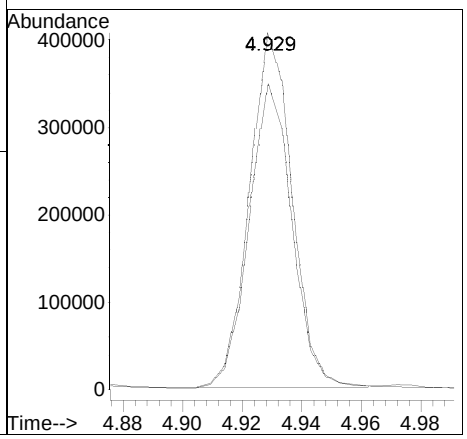


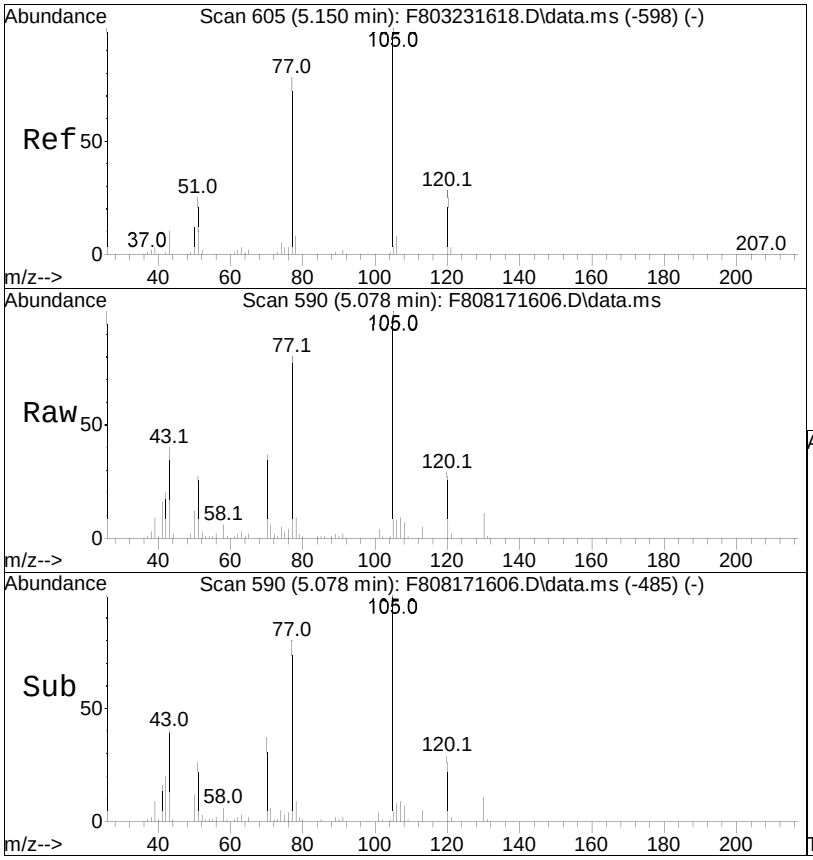


#16
2-Methylphenol
Concen: 6.70 ug/mL
RT: 4.929 min Scan# 559
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:108 Resp: 404840

Ion	Ratio	Lower	Upper
108	100		
107	86.5	68.1	102.1

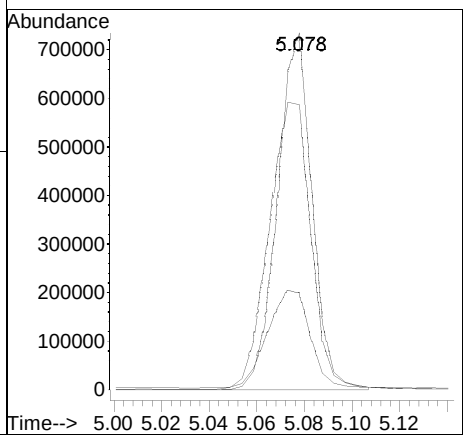


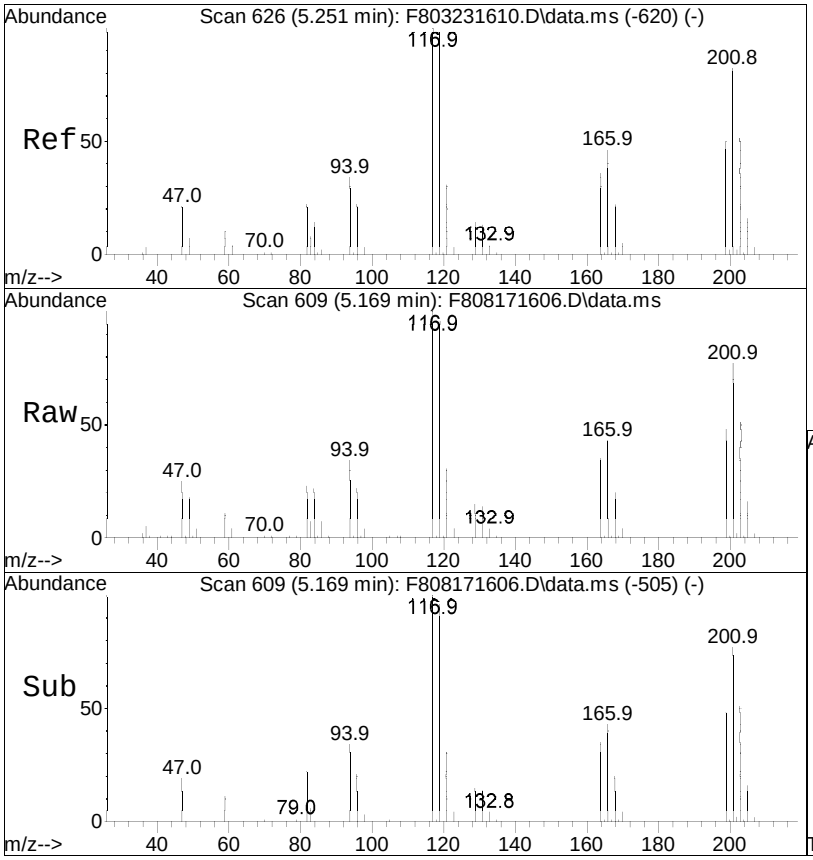


#17
Acetophenone
Concen: 7.65 ug/ml
RT: 5.078 min Scan# 590
Delta R.T. 0.005 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:105 Resp: 737345

Ion	Ratio	Lower	Upper
105	100		
77	97.3	57.7	86.5#
51	33.8	17.1	25.7#

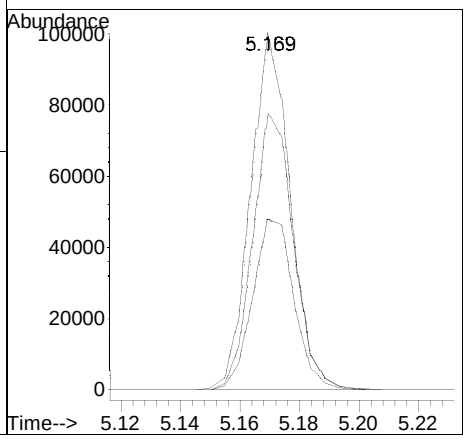


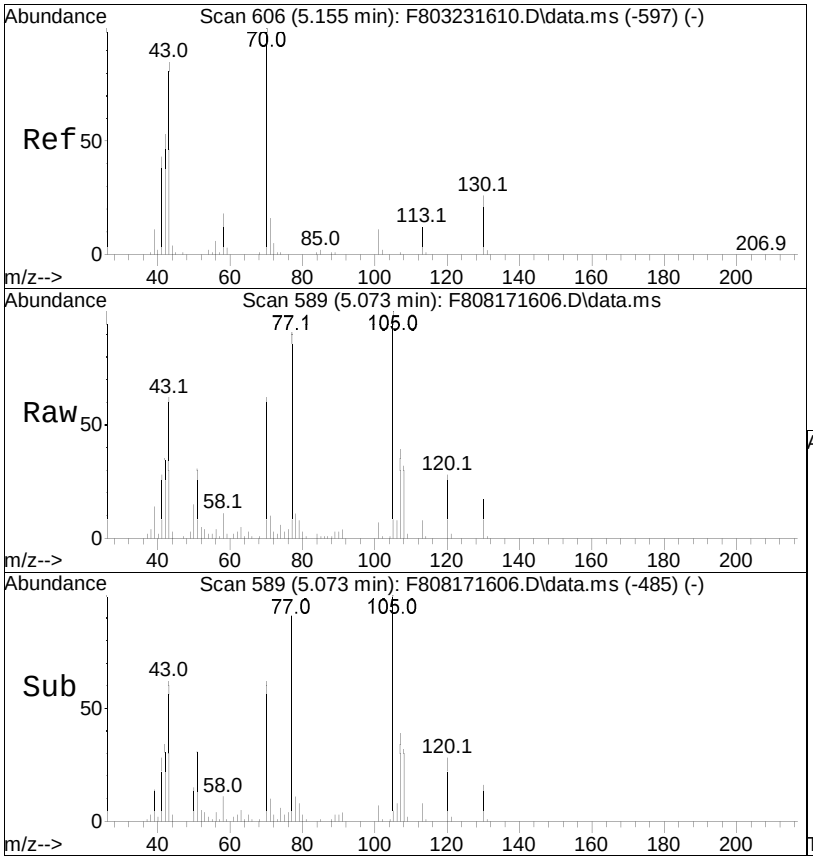


#18
Hexachloroethane
Concen: 2.69 ug/mL
RT: 5.169 min Scan# 609
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:117 Resp: 92263

Ion	Ratio	Lower	Upper
117	100		
201	79.3	62.8	94.2
199	50.1	39.0	58.4

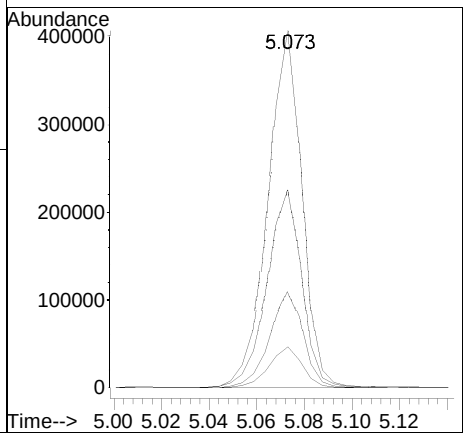


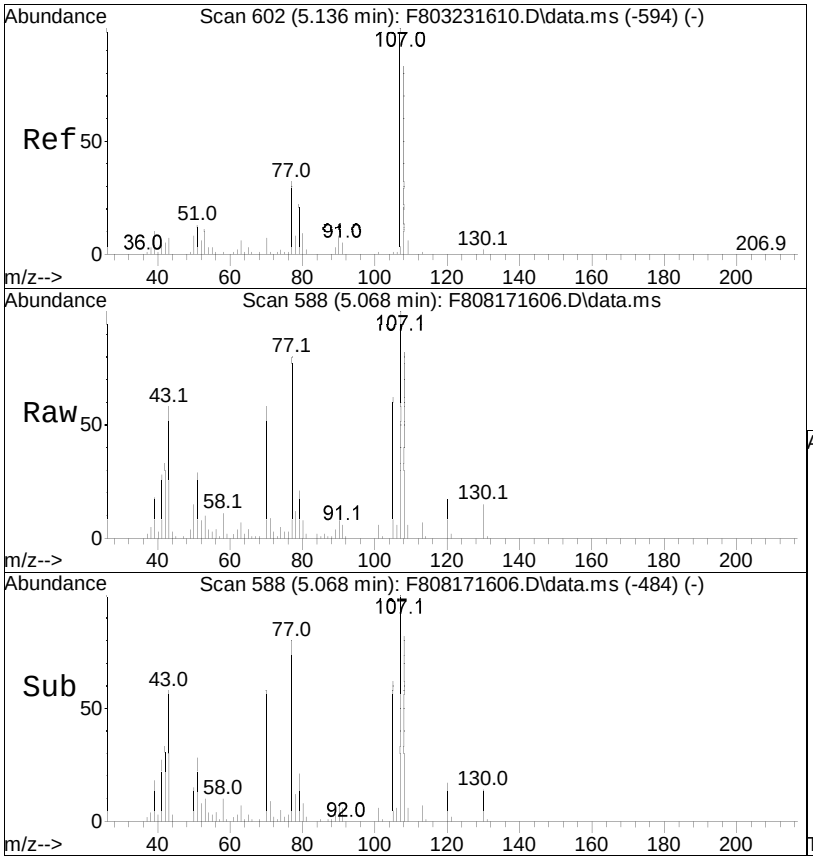


#19
N-Nitroso-di-n-propylamine
Concen: 8.50 ug/mL
RT: 5.073 min Scan# 589
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion: 70 Resp: 401750

Ion	Ratio	Lower	Upper
70	100		
42	56.5	37.1	55.7#
130	26.8	24.0	36.0
101	11.2	9.2	13.8

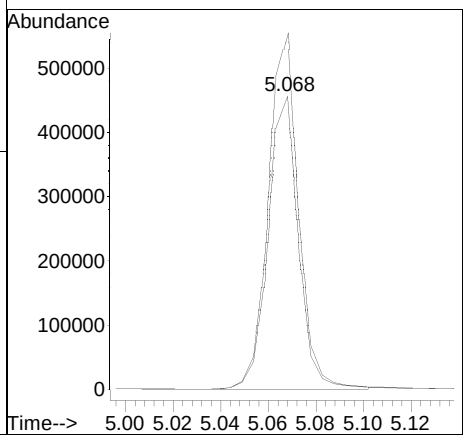


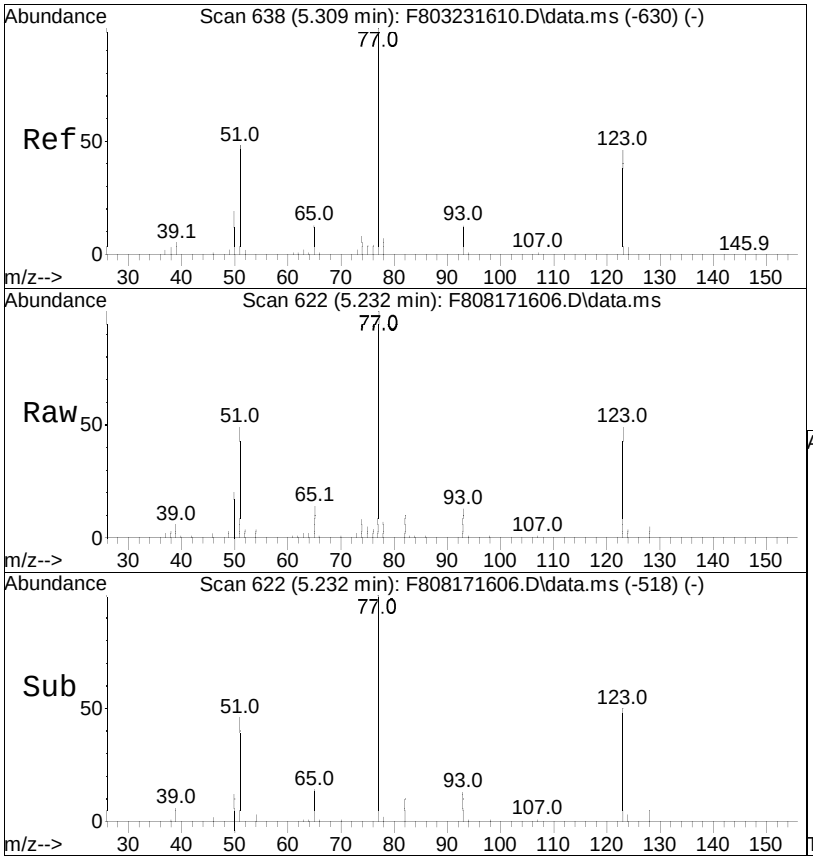


#20
4-Methylphenol
Concen: 6.09 ug/mL
RT: 5.068 min Scan# 588
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:108 Resp: 400872

Ion	Ratio	Lower	Upper
108	100		
107	121.0	94.6	142.0

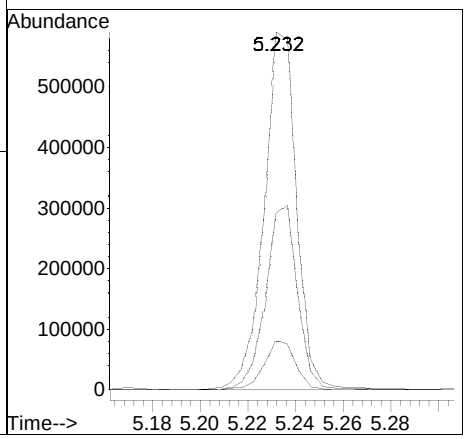


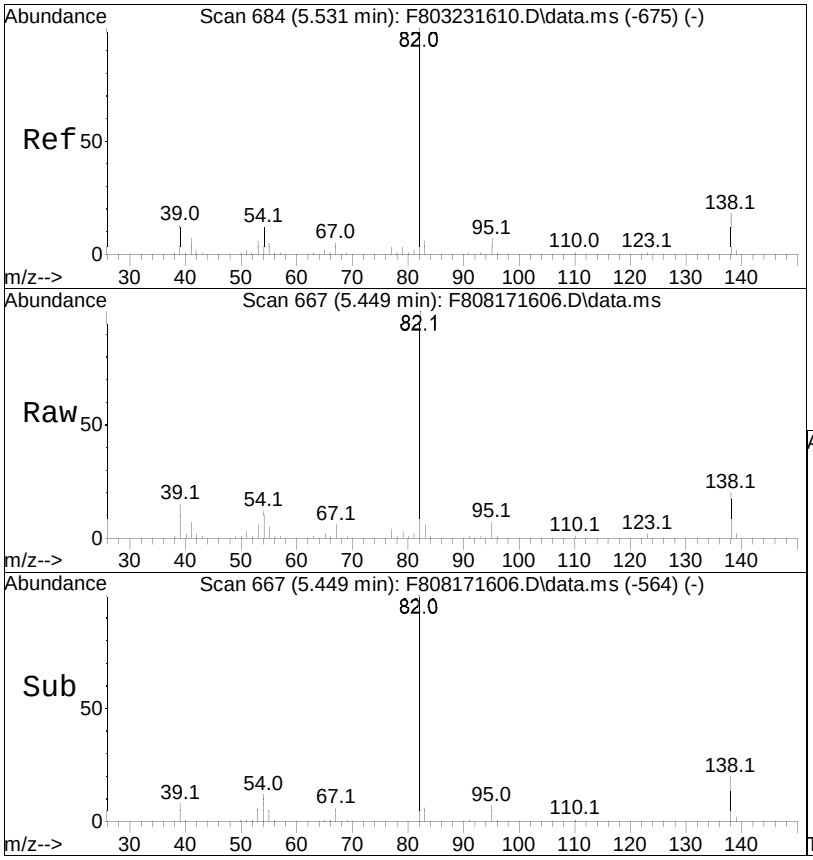


#23
Nitrobenzene
Concen: 8.24 ug/mL
RT: 5.232 min Scan# 622
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion: 77 Resp: 552123

Ion	Ratio	Lower	Upper
77	100		
123	51.1	45.4	68.2
65	13.7	10.2	15.4

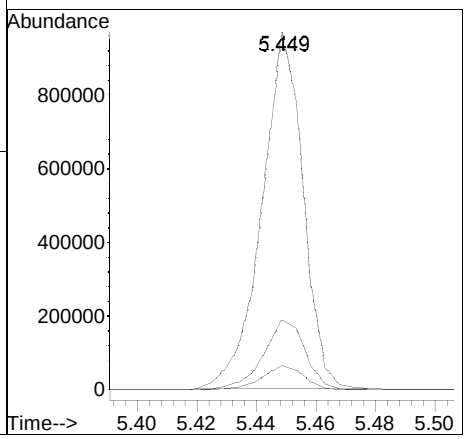


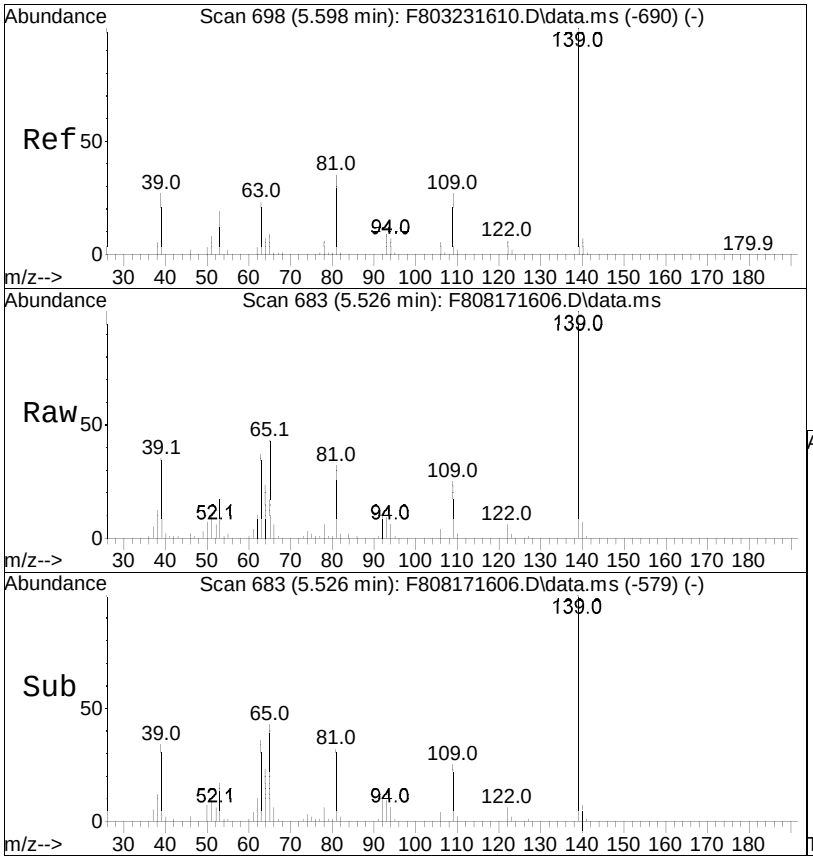


#24
Isophorone
Concen: 8.78 ug/mL
RT: 5.449 min Scan# 667
Delta R.T. -0.005 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion: 82 Resp: 920230

Ion	Ratio	Lower	Upper
82	100		
138	20.0	17.0	25.4
95	7.0	4.9	7.3

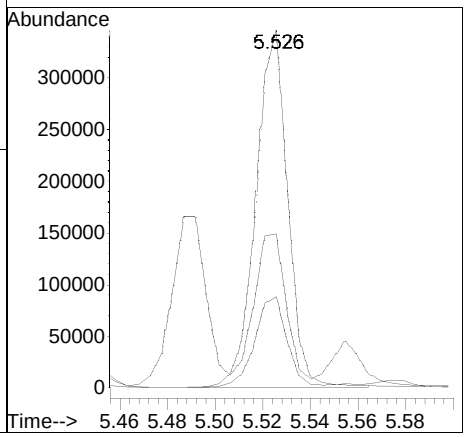


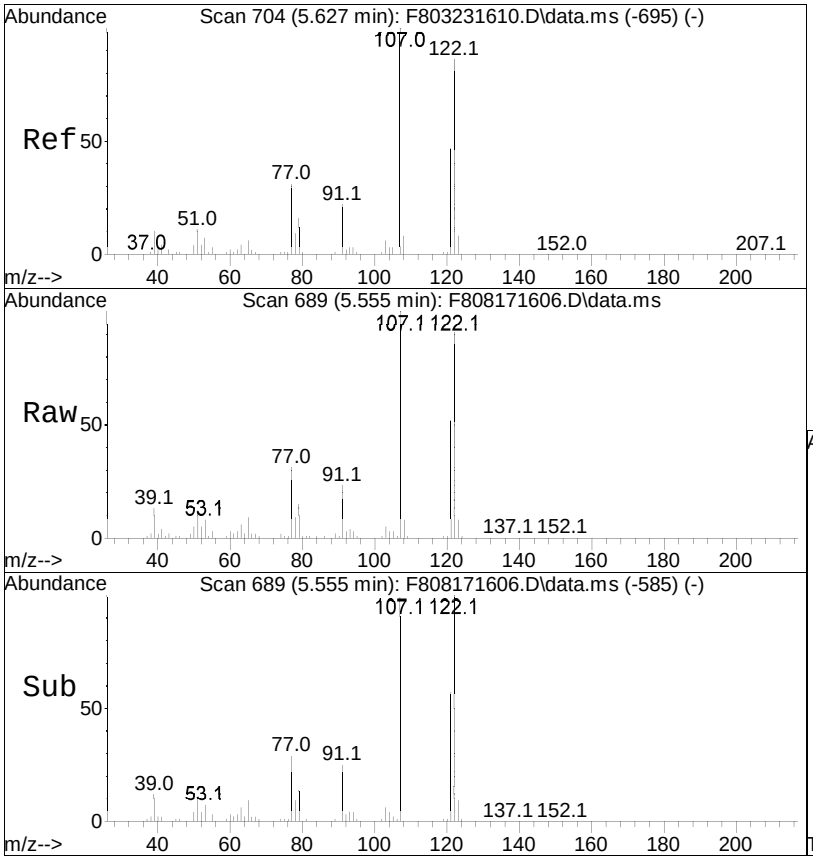


#25
2-Nitrophenol
Concen: 8.34 ug/mL
RT: 5.526 min Scan# 683
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:139 Resp: 319994

Ion	Ratio	Lower	Upper
139	100		
65	43.6	28.4	42.6#
109	26.1	16.3	24.5#

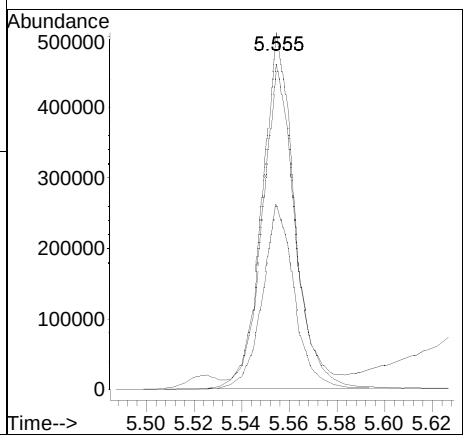


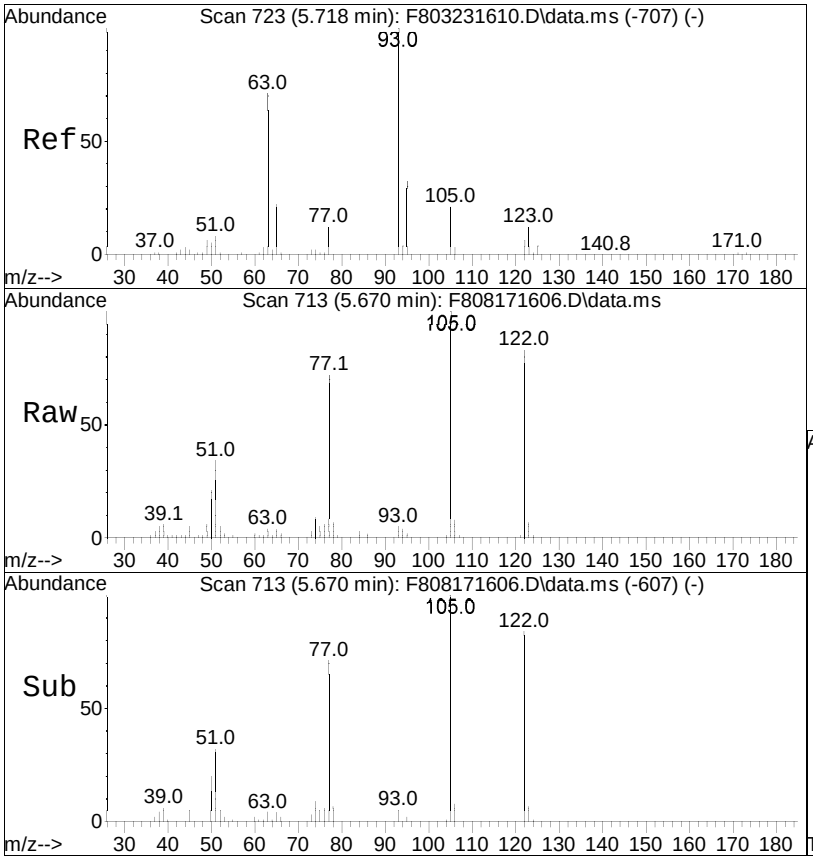


#26
2,4-Dimethylphenol
Concen: 7.87 ug/mL
RT: 5.555 min Scan# 689
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:107 Resp: 475834

Ion	Ratio	Lower	Upper
107	100		
122	91.9	78.4	117.6
121	52.0	43.0	64.6

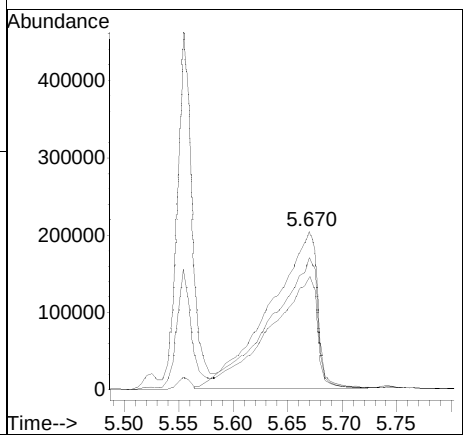


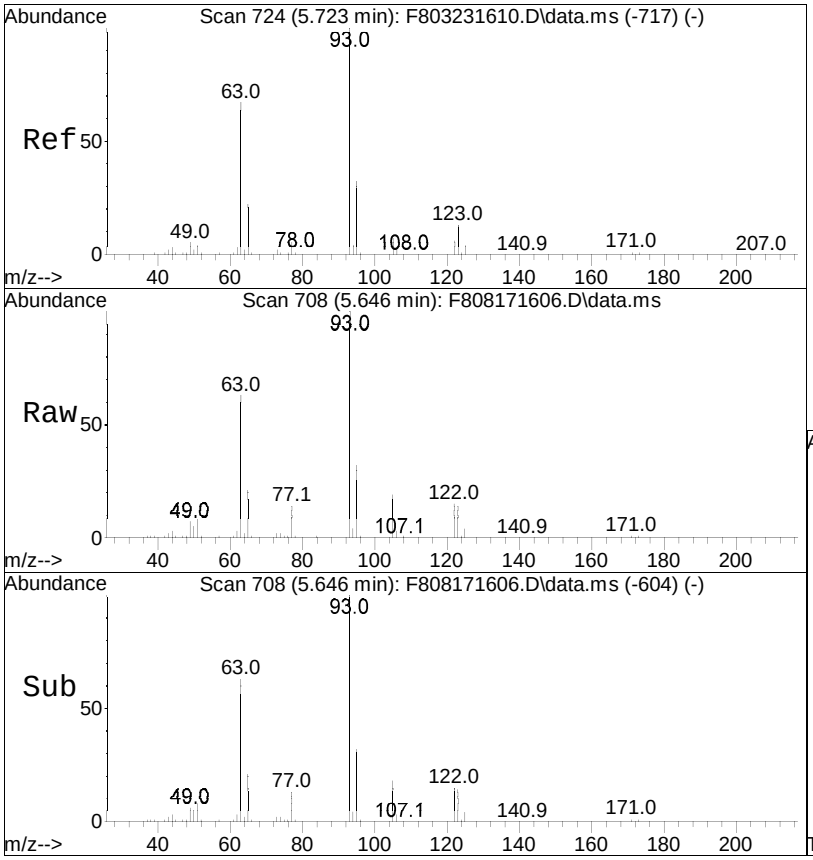


#27
Benzoic acid
Concen: 13.44 ug/mL M4
RT: 5.670 min Scan# 713
Delta R.T. 0.010 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:105 Resp: 622819

Ion	Ratio	Lower	Upper
105	100		
122	75.6	70.9	106.3
77	65.6	53.4	80.0

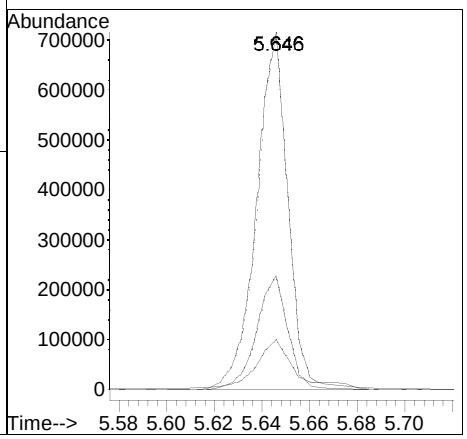


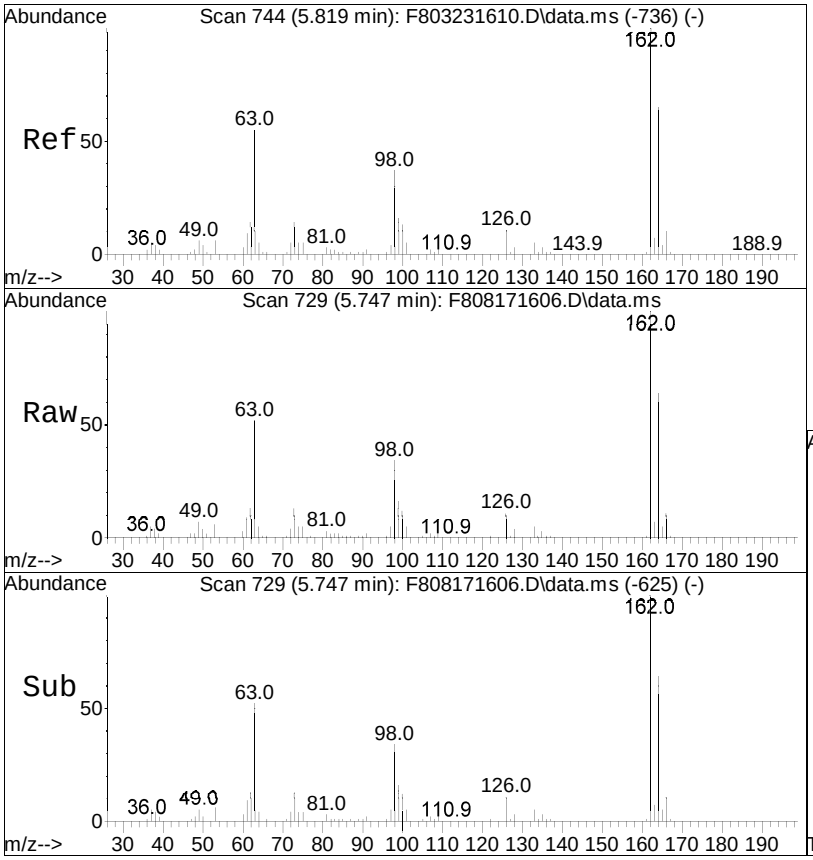


#28
bis(2-Chloroethoxy)methane
Concen: 8.43 ug/mL
RT: 5.646 min Scan# 708
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion: 93 Resp: 649222

Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.7	40.1
123	17.7	11.9	17.9

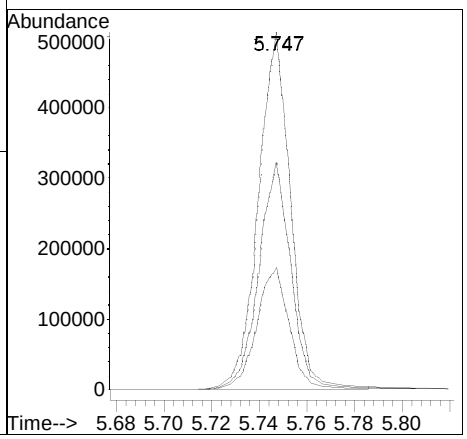


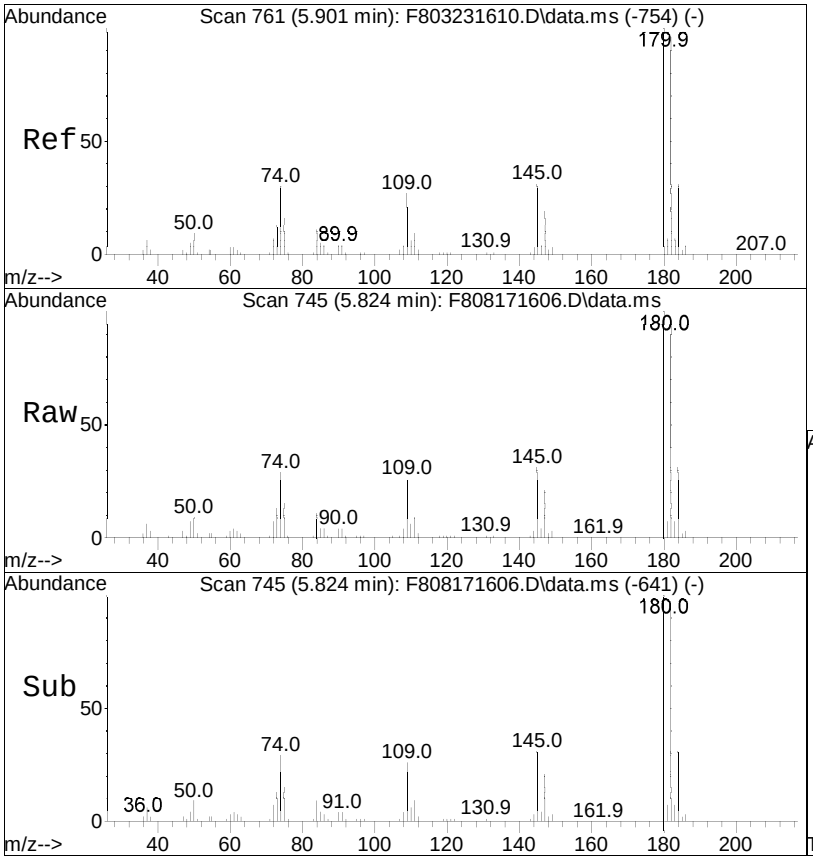


#29
2,4-Dichlorophenol
Concen: 8.28 ug/mL
RT: 5.747 min Scan# 729
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:162 Resp: 470254

Ion	Ratio	Lower	Upper
162	100		
164	63.7	50.8	76.2
98	35.1	26.3	39.5

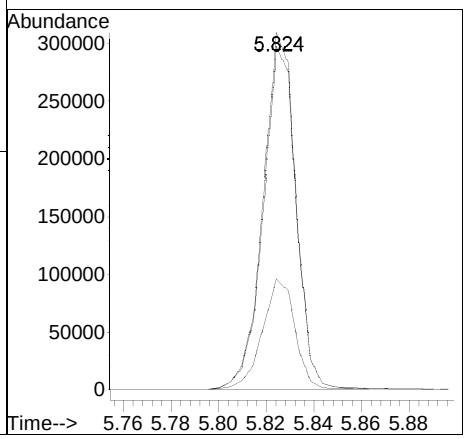


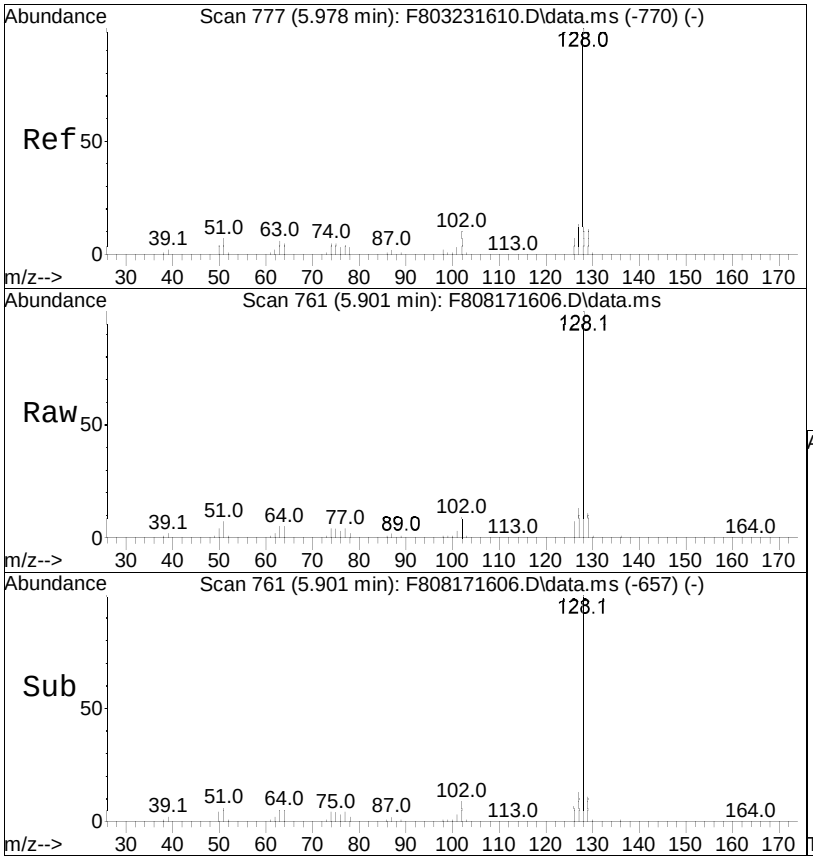


#30
1,2,4-Trichlorobenzene
Concen: 4.89 ug/mL
RT: 5.824 min Scan# 745
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:180 Resp: 296142

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.2	114.4
145	31.0	23.6	35.4

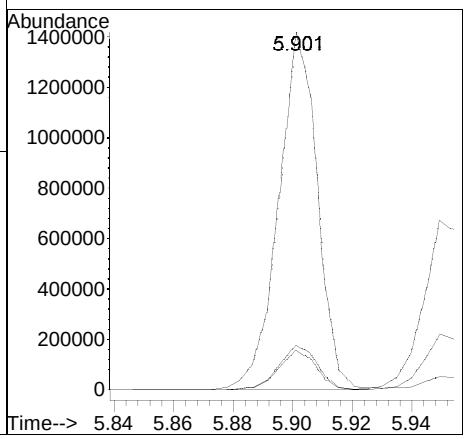


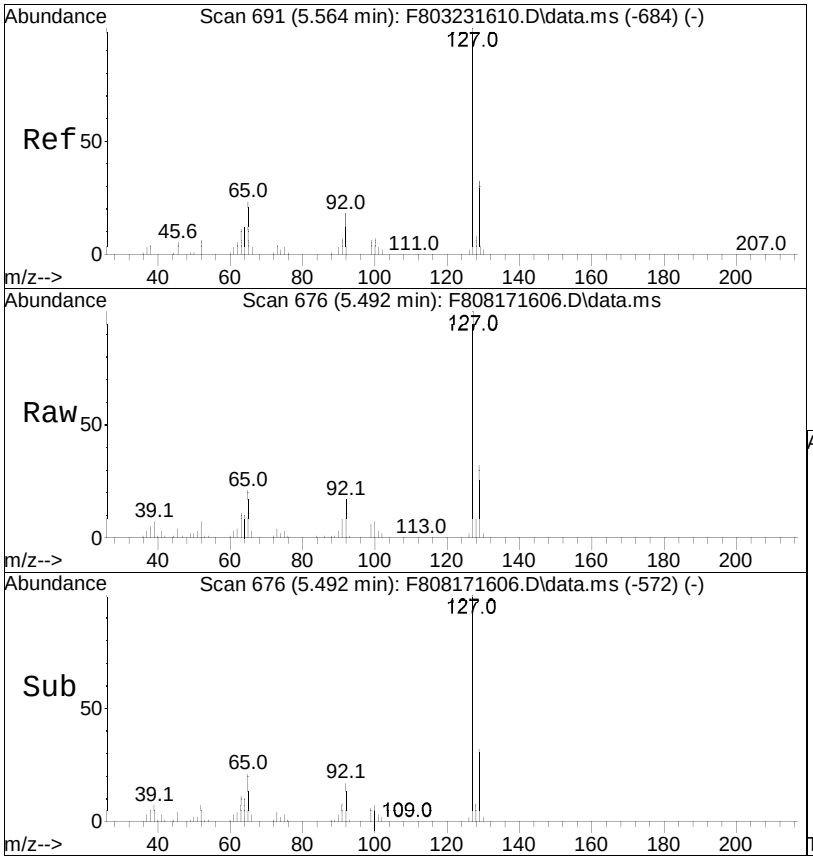


#31
Naphthalene
Concen: 6.53 ug/mL
RT: 5.901 min Scan# 761
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:128 Resp: 1279449

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	12.7	10.0	15.0

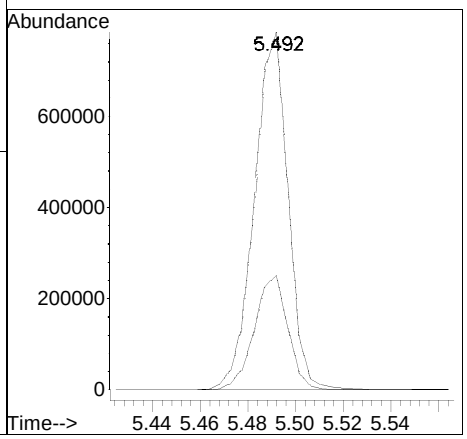


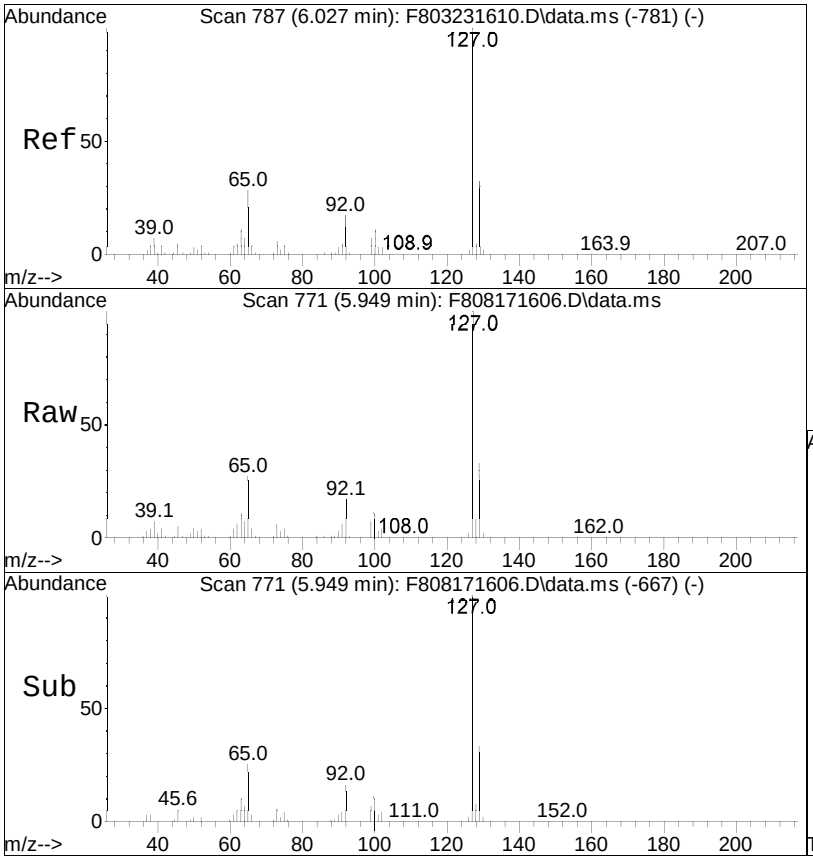


#32
2-Chloroaniline
Concen: 7.71 ug/ml
RT: 5.492 min Scan# 676
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:127 Resp: 763628

Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.2	39.4

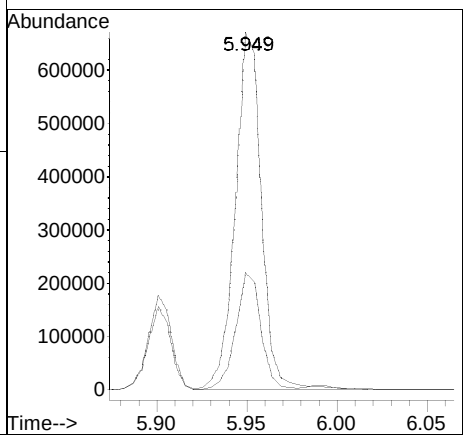


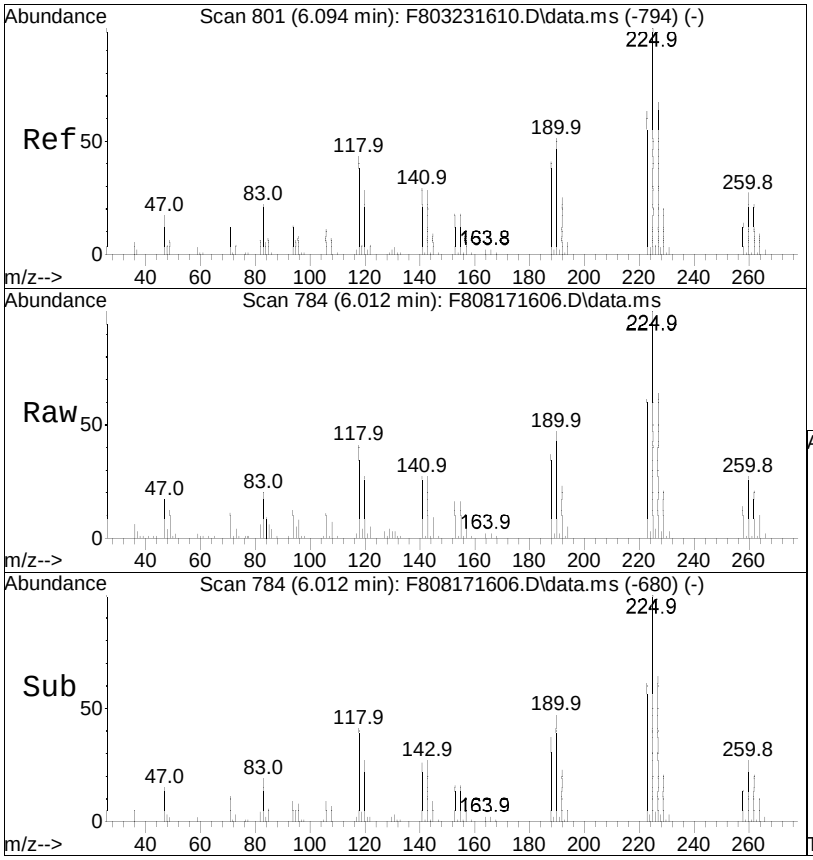


#33
4-Chloroaniline
Concen: 8.06 ug/mL M4
RT: 5.949 min Scan# 771
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:127 Resp: 676762

Ion	Ratio	Lower	Upper
127	100		
129	31.3	25.8	38.6

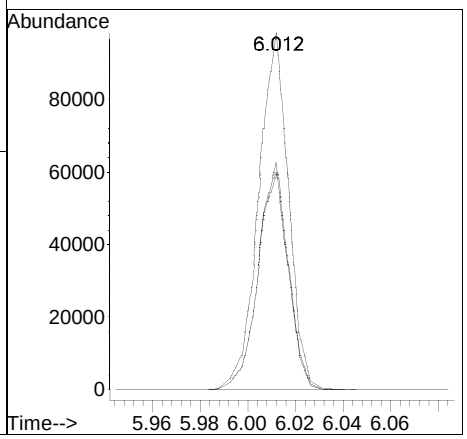


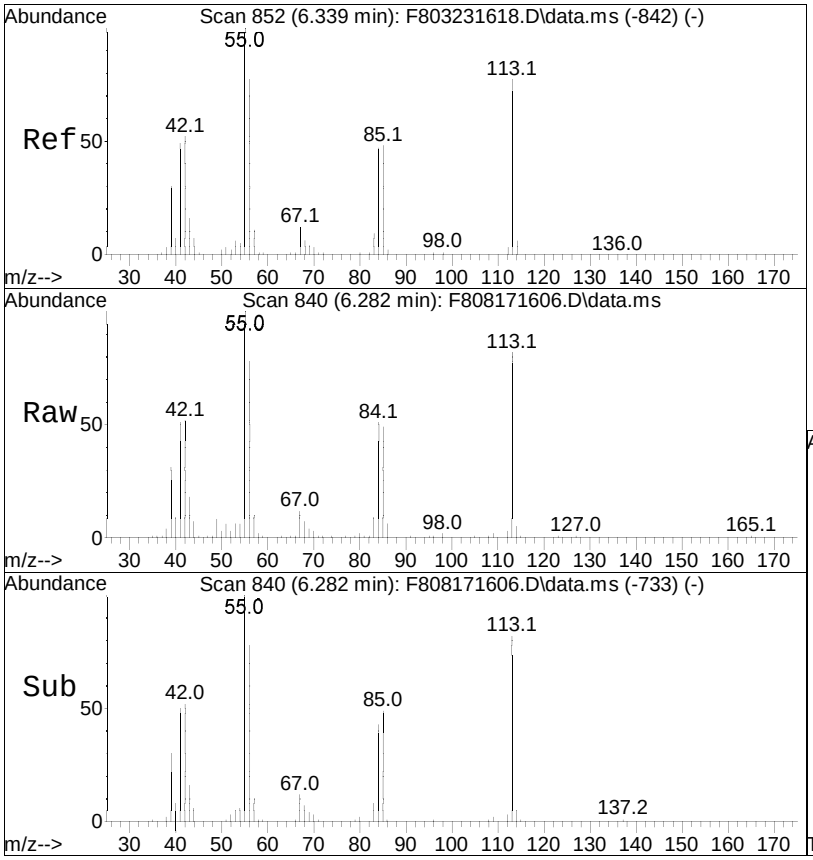


#34
Hexachlorobutadiene
Concen: 2.77 ug/mL
RT: 6.012 min Scan# 784
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:225 Resp: 85755

Ion	Ratio	Lower	Upper
225	100		
223	61.8	50.8	76.2
227	64.1	51.1	76.7

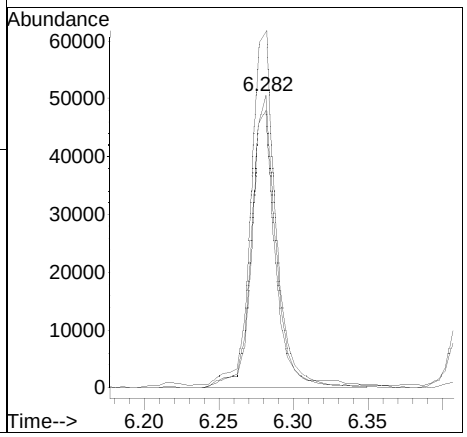


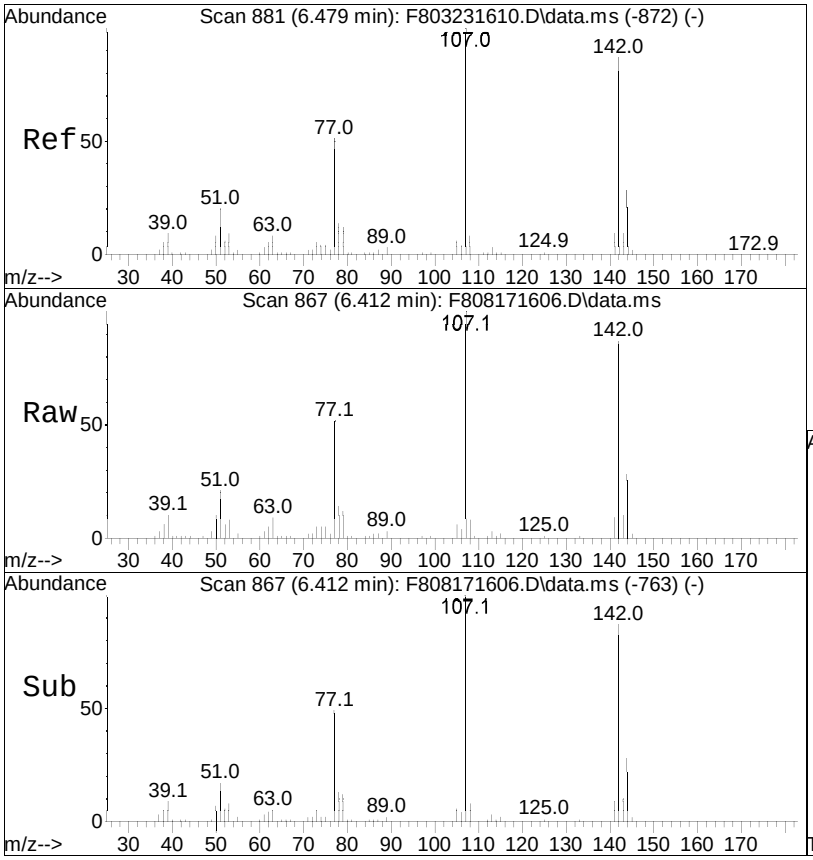


#35
Caprolactam
Concen: 2.70 ug/ml M4
RT: 6.282 min Scan# 840
Delta R.T. 0.014 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:113 Resp: 56262

Ion	Ratio	Lower	Upper
113	100		
55	119.6	82.6	123.8
56	93.4	63.0	94.6

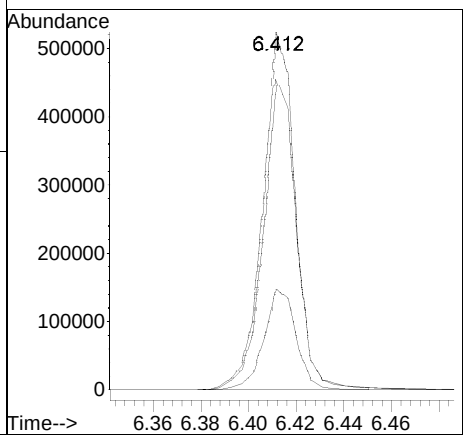


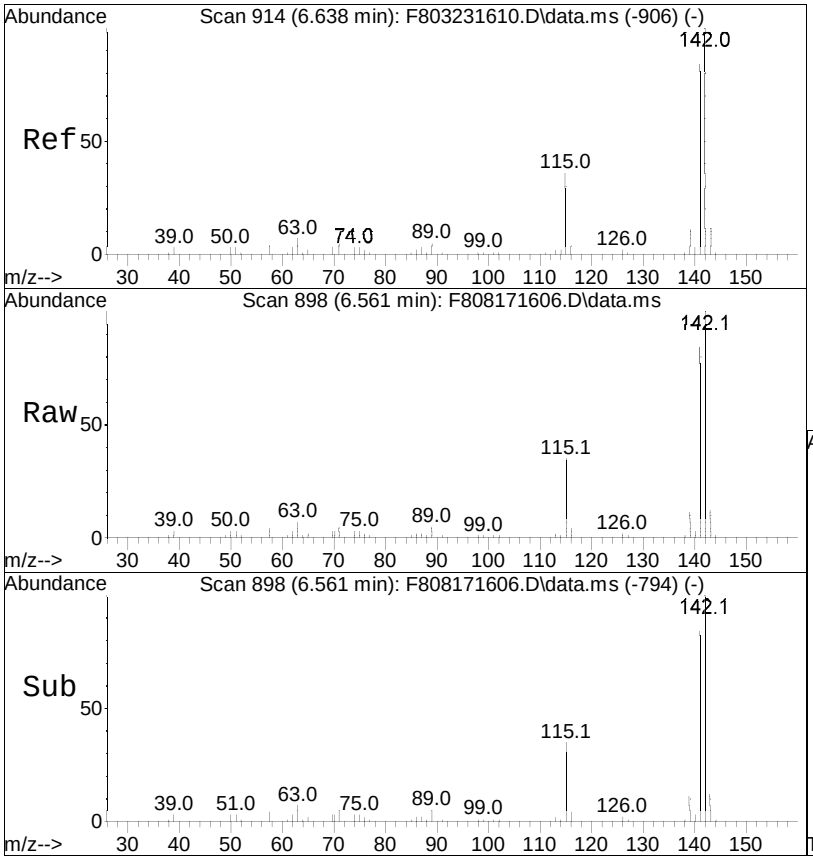


#36
4-Chloro-3-methylphenol
Concen: 9.04 ug/mL
RT: 6.412 min Scan# 867
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:107 Resp: 492797

Ion	Ratio	Lower	Upper
107	100		
144	28.4	24.3	36.5
142	87.7	74.4	111.6

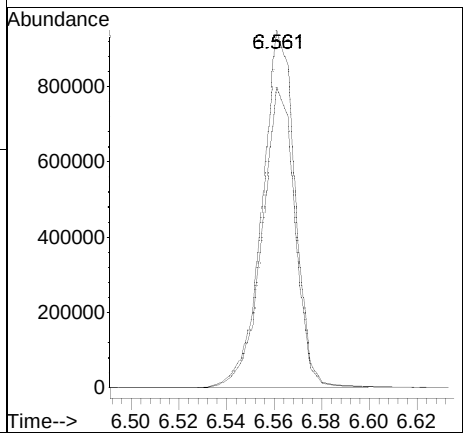


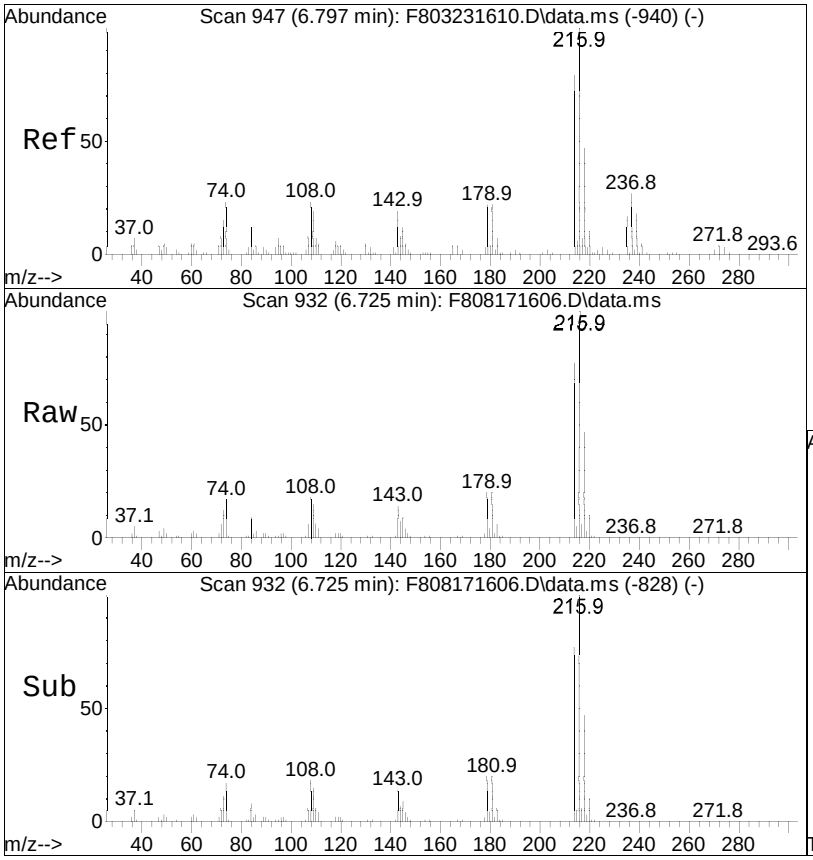


#37
2-Methylnaphthalene
Concen: 6.89 ug/mL
RT: 6.561 min Scan# 898
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:142 Resp: 895938

Ion	Ratio	Lower	Upper
142	100		
141	84.5	66.6	100.0

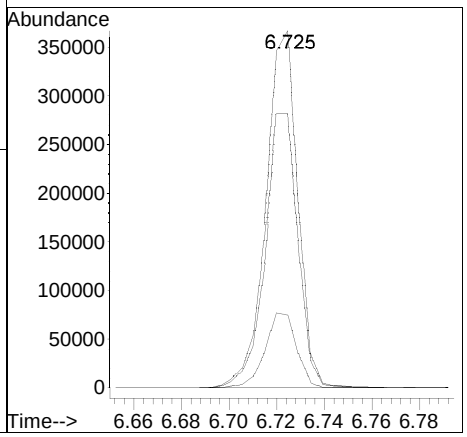


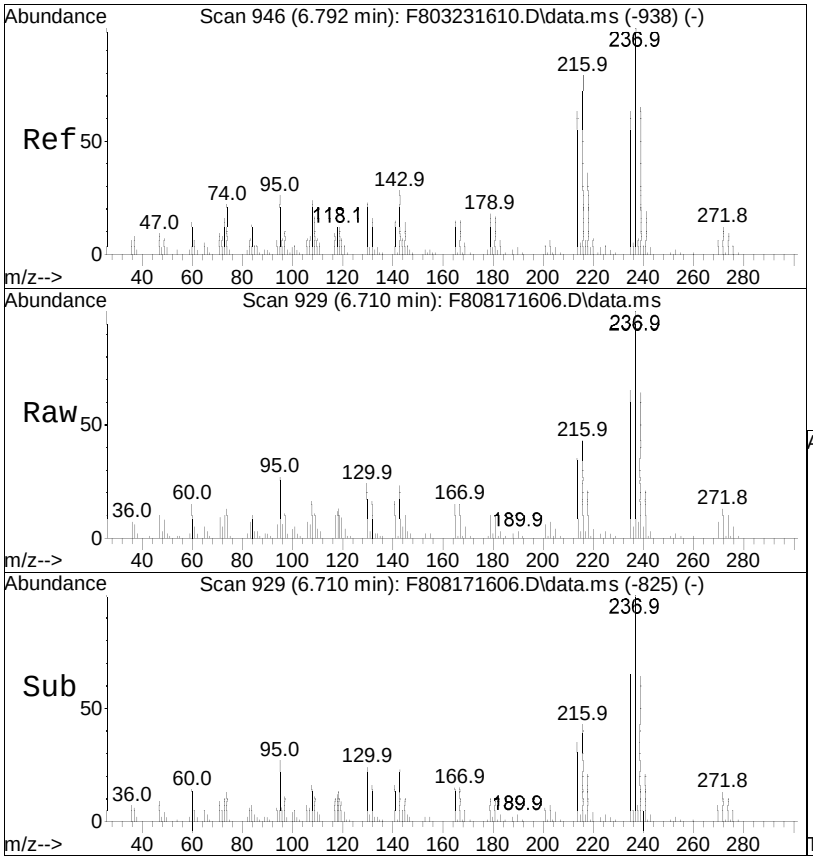


#39
1,2,4,5-Tetrachlorobenzene
Concen: 5.85 ug/mL
RT: 6.725 min Scan# 932
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:216 Resp: 340979

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.0	94.6
179	21.1	16.2	24.4

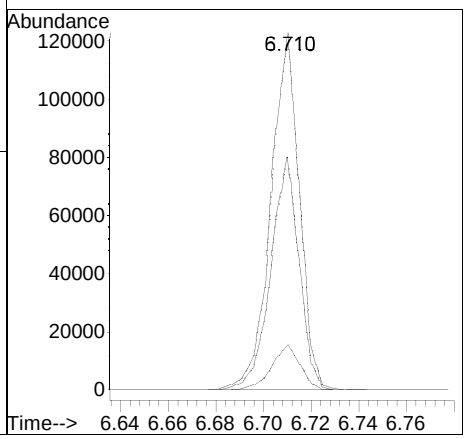


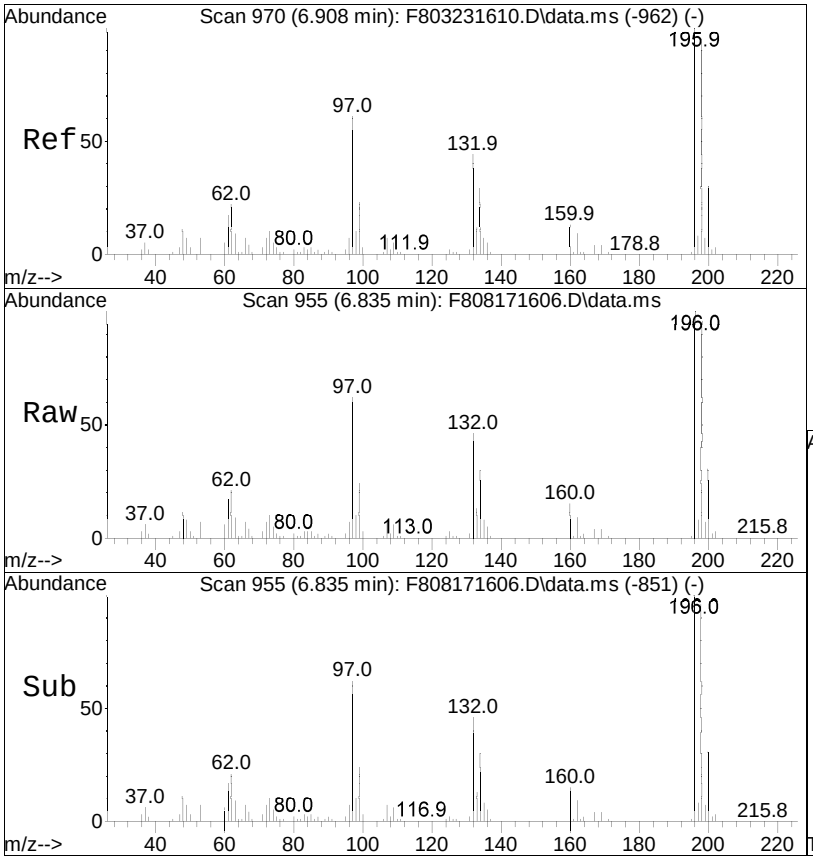


#40
Hexachlorocyclopentadiene
Concen: 3.53 ug/mL
RT: 6.710 min Scan# 929
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:237 Resp: 101574

Ion	Ratio	Lower	Upper
237	100		
235	65.0	53.3	79.9
272	12.6	10.9	16.3

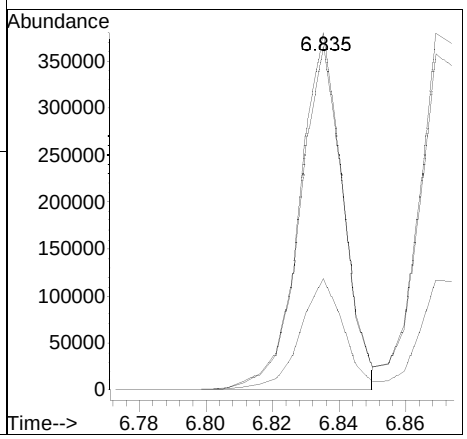


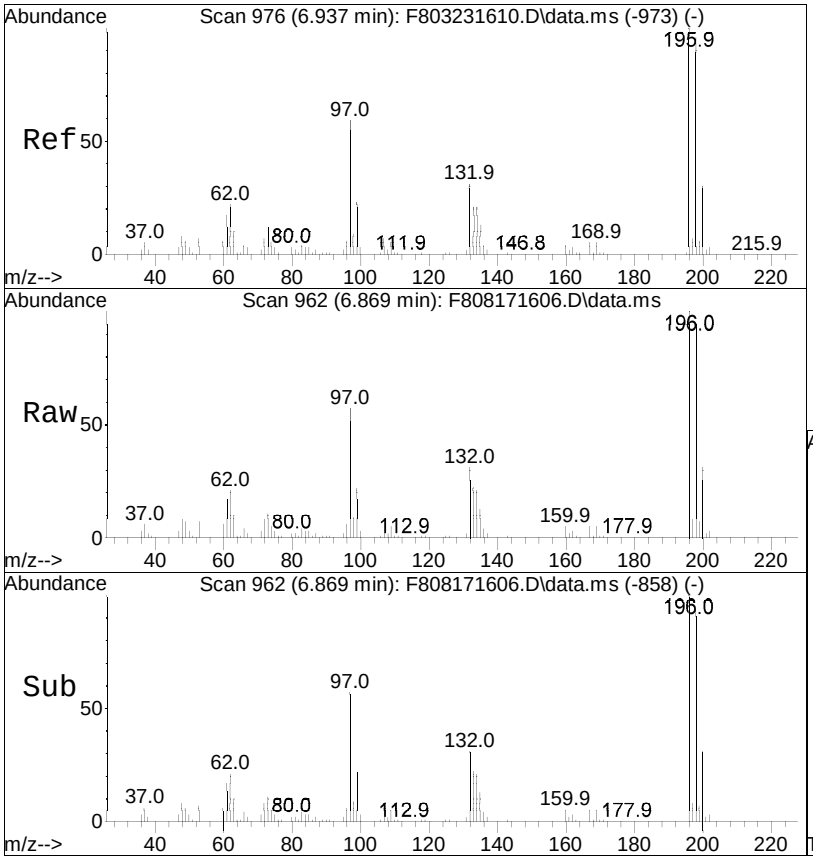


#41
2,4,6-Trichlorophenol
Concen: 8.56 ug/mL M6
RT: 6.835 min Scan# 955
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:196 Resp: 346874

Ion	Ratio	Lower	Upper
196	100		
198	98.1	73.6	110.4
200	31.8	23.5	35.3

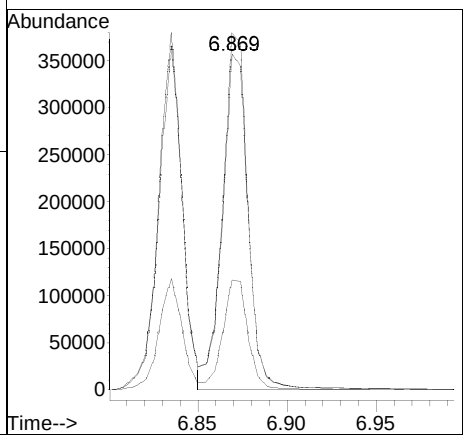


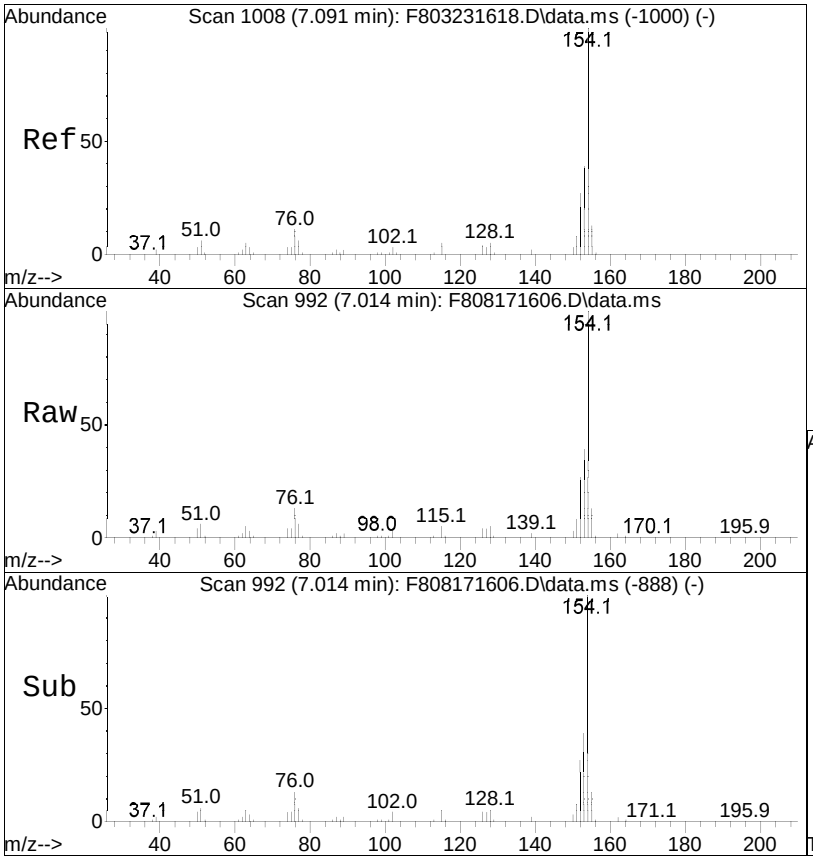


#42
2,4,5-Trichlorophenol
Concen: 9.24 ug/mL M6
RT: 6.869 min Scan# 962
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:196 Resp: 377372

Ion	Ratio	Lower	Upper
196	100		
198	84.2	73.2	109.8
200	27.7	23.9	35.9

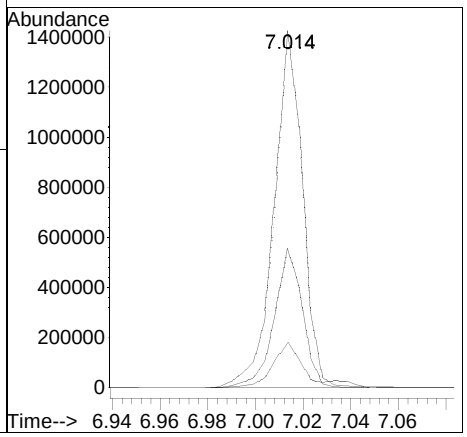


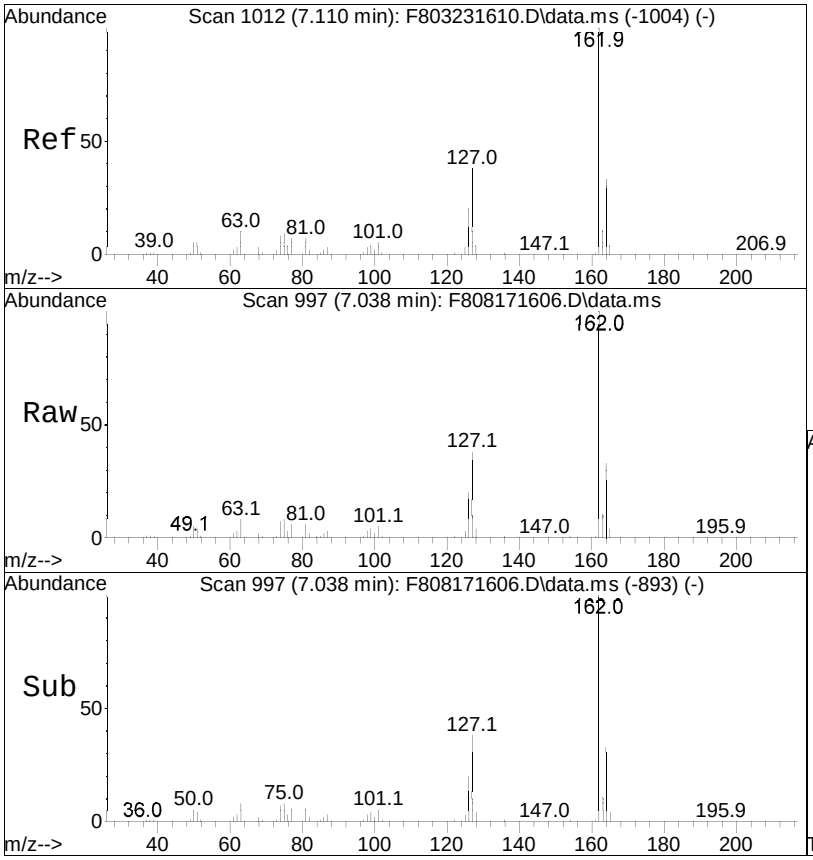


#44
Biphenyl
Concen: 7.14 ug/ml
RT: 7.014 min Scan# 992
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:154 Resp: 1180846

Ion	Ratio	Lower	Upper
154	100		
153	39.2	31.4	47.0
76	15.1	9.8	14.6#

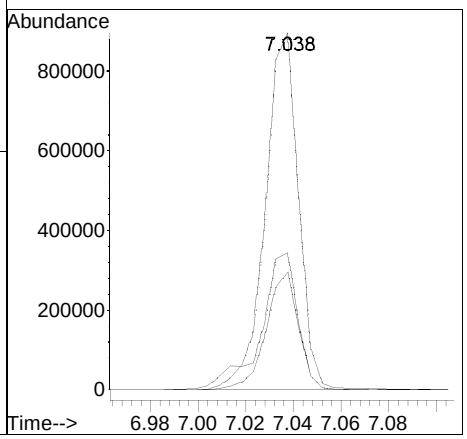


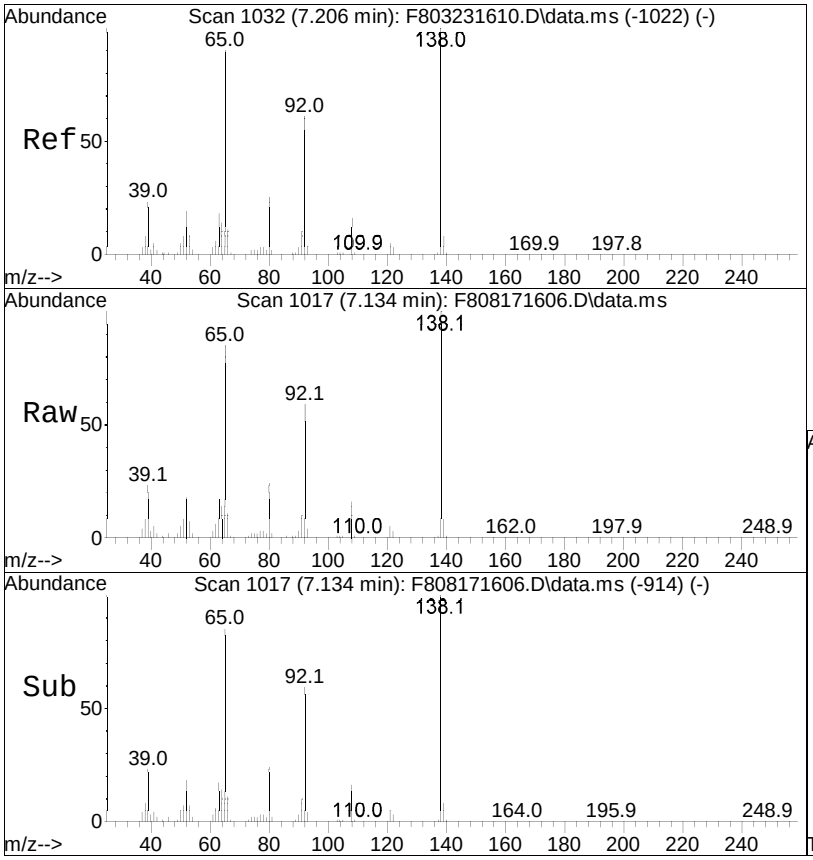


#45
2-Chloronaphthalene
Concen: 7.01 ug/mL
RT: 7.038 min Scan# 997
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:162 Resp: 860011

Ion	Ratio	Lower	Upper
162	100		
164	32.4	26.4	39.6
127	43.2	30.2	45.2

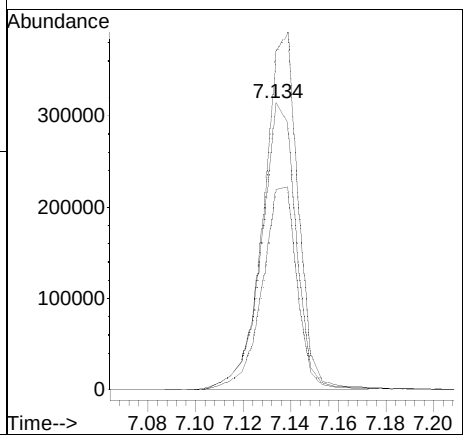


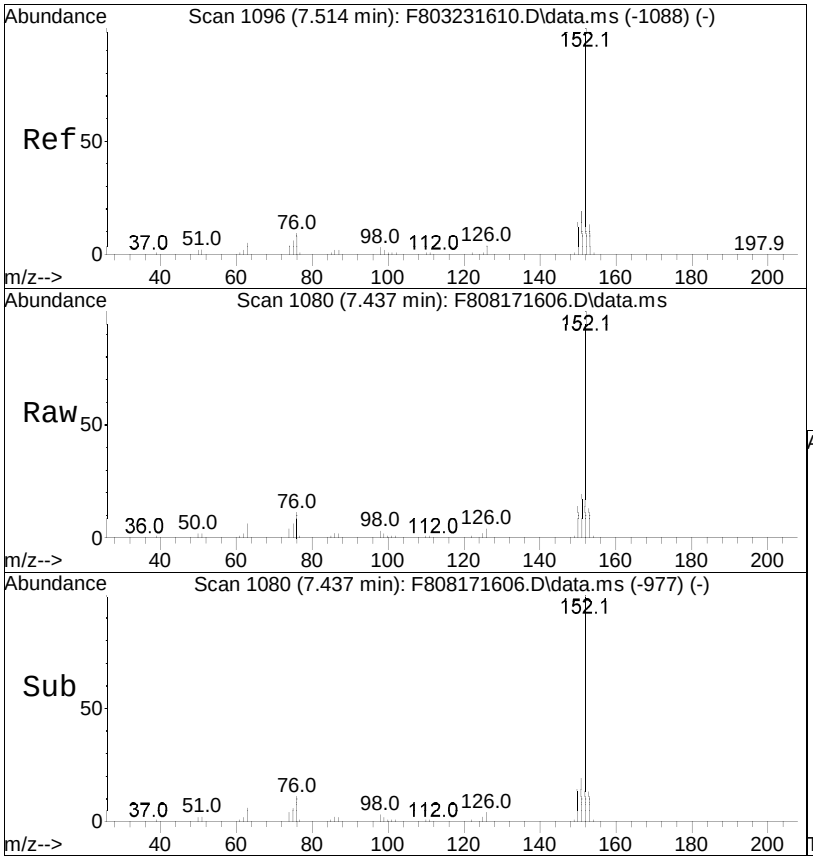


#46
2-Nitroaniline
Concen: 9.31 ug/mL
RT: 7.134 min Scan# 1017
Delta R.T. -0.005 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion: 65 Resp: 312122

Ion	Ratio	Lower	Upper
65	100		
92	71.8	61.0	91.4
138	124.7	122.0	183.0

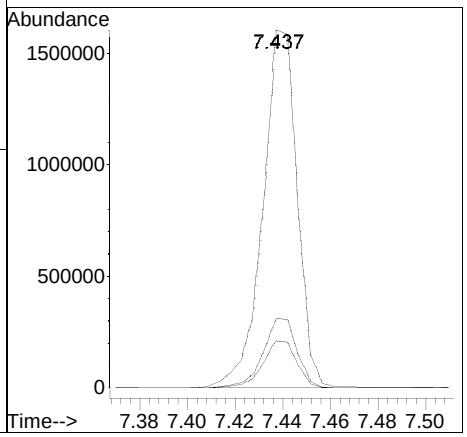


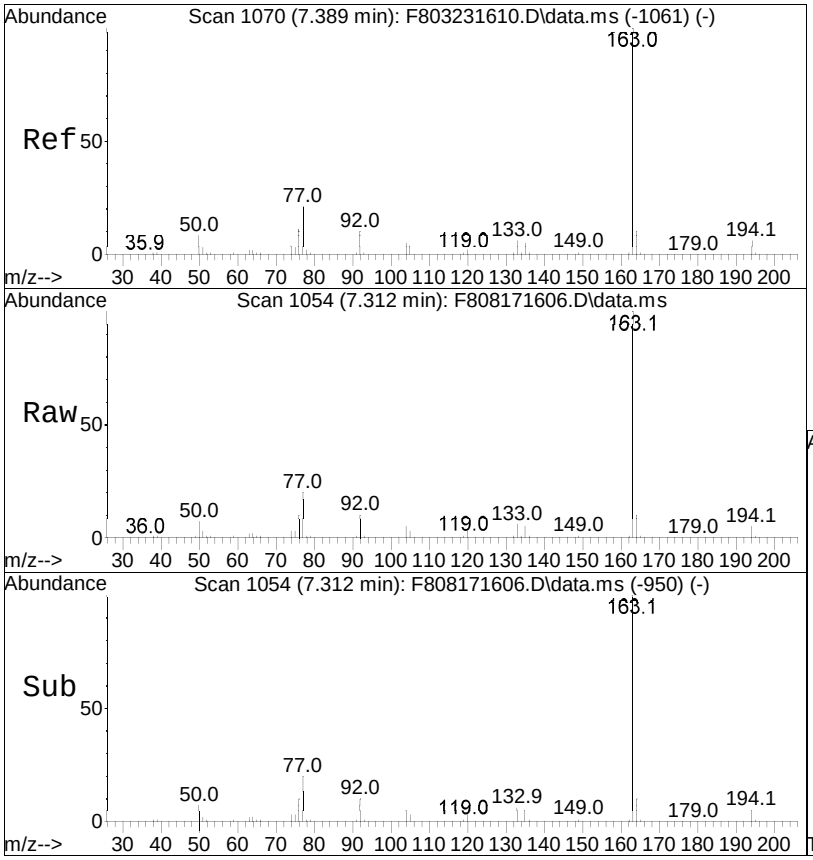


#47
Acenaphthylene
Concen: 7.92 ug/mL
RT: 7.437 min Scan# 1080
Delta R.T. -0.005 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:152 Resp: 1589817

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.8	23.8
153	13.2	10.6	16.0

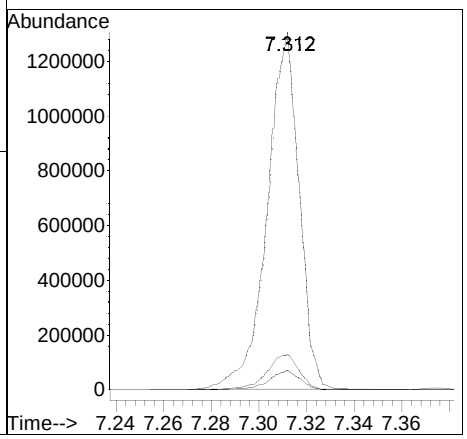


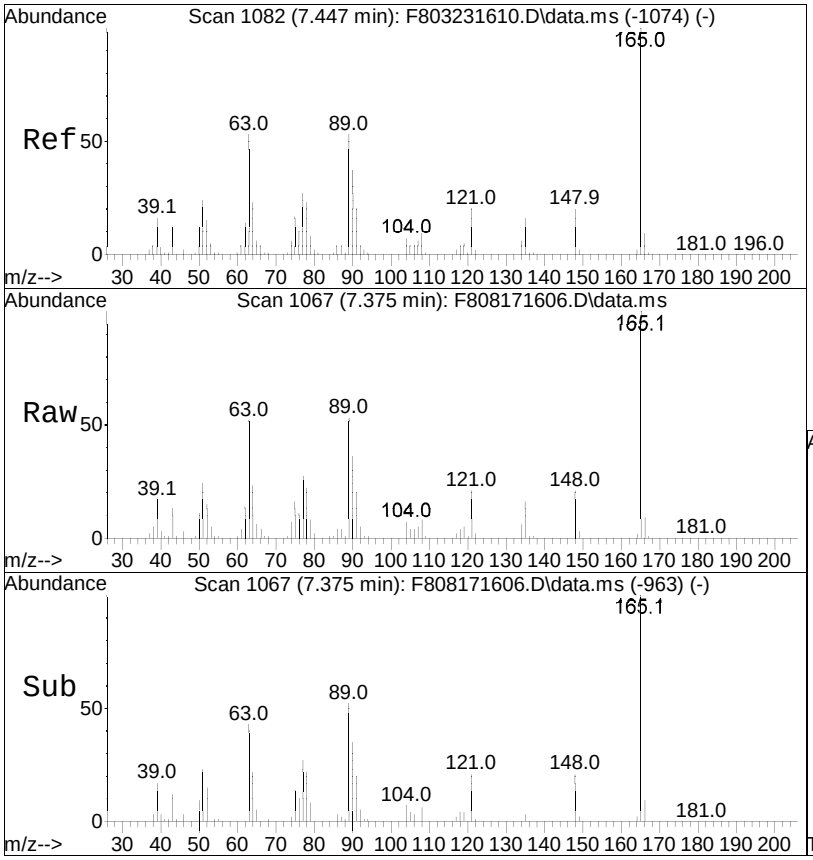


#48
Dimethylphthalate
Concen: 8.93 ug/mL
RT: 7.312 min Scan# 1054
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:163 Resp: 1196411

Ion	Ratio	Lower	Upper
163	100		
194	5.3	4.4	6.6
164	10.2	8.3	12.5

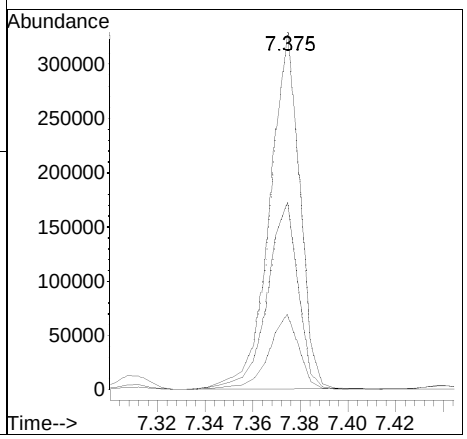


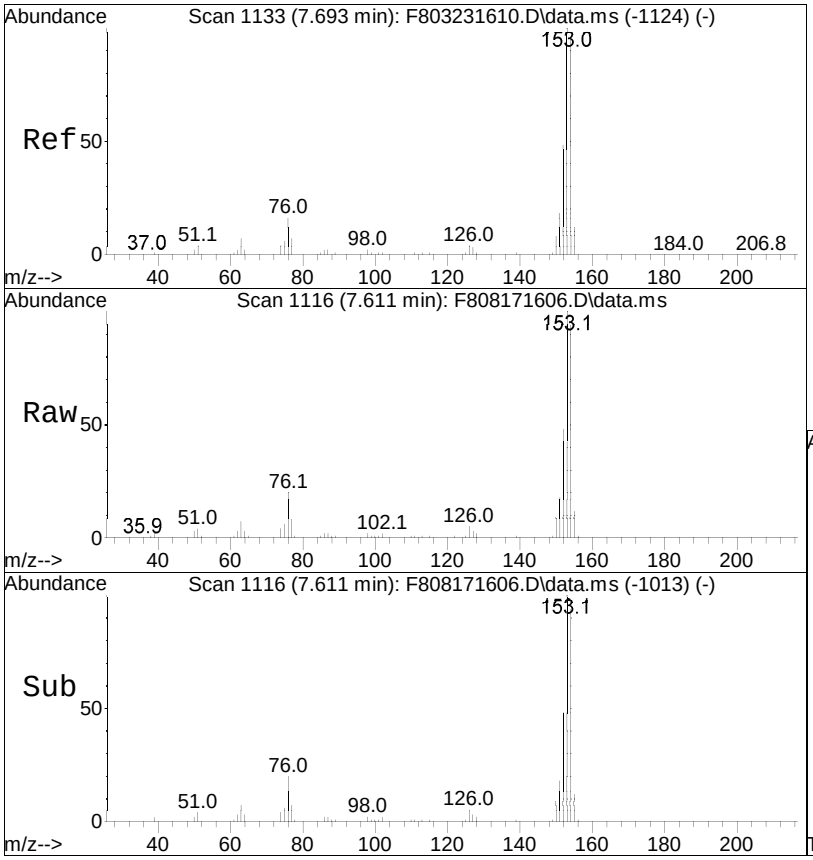


#49
2,6-Dinitrotoluene
Concen: 9.24 ug/mL
RT: 7.375 min Scan# 1067
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:165 Resp: 287989

Ion	Ratio	Lower	Upper
165	100		
89	53.9	40.5	60.7
121	21.4	16.6	25.0

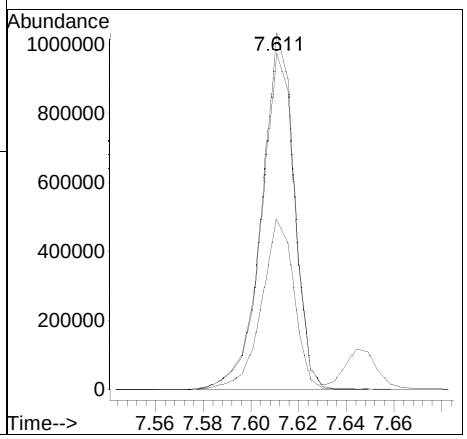


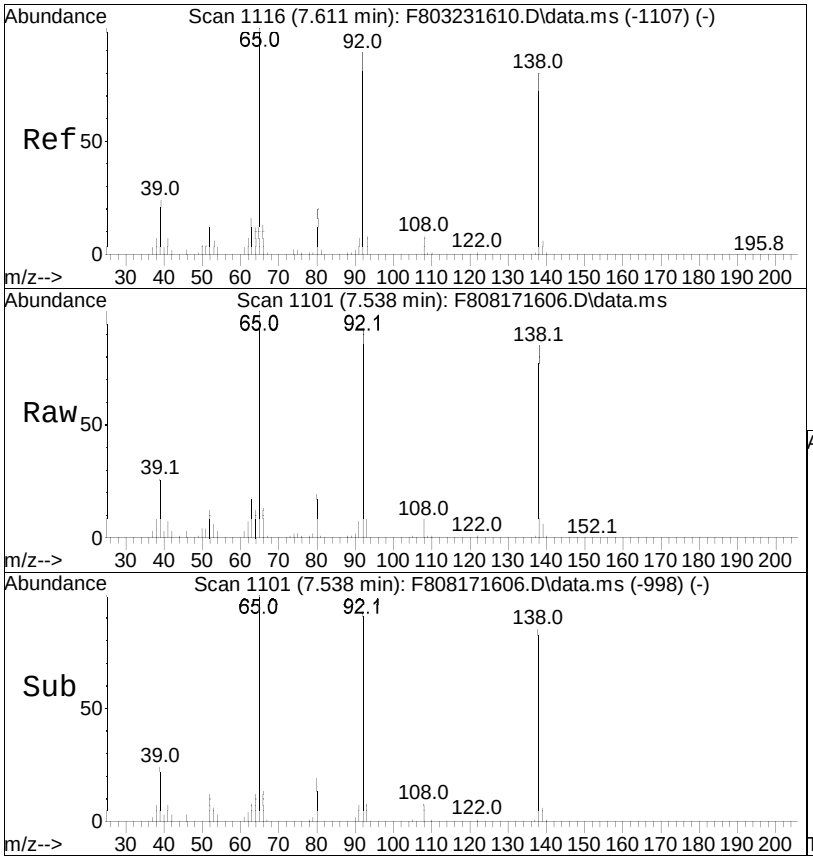


#50
Acenaphthene
Concen: 7.93 ug/mL
RT: 7.611 min Scan# 1116
Delta R.T. -0.005 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:153 Resp: 985032

Ion	Ratio	Lower	Upper
153	100		
154	95.4	75.4	113.0
152	47.4	39.3	58.9

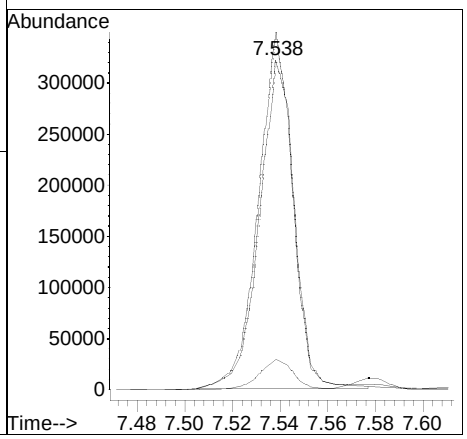


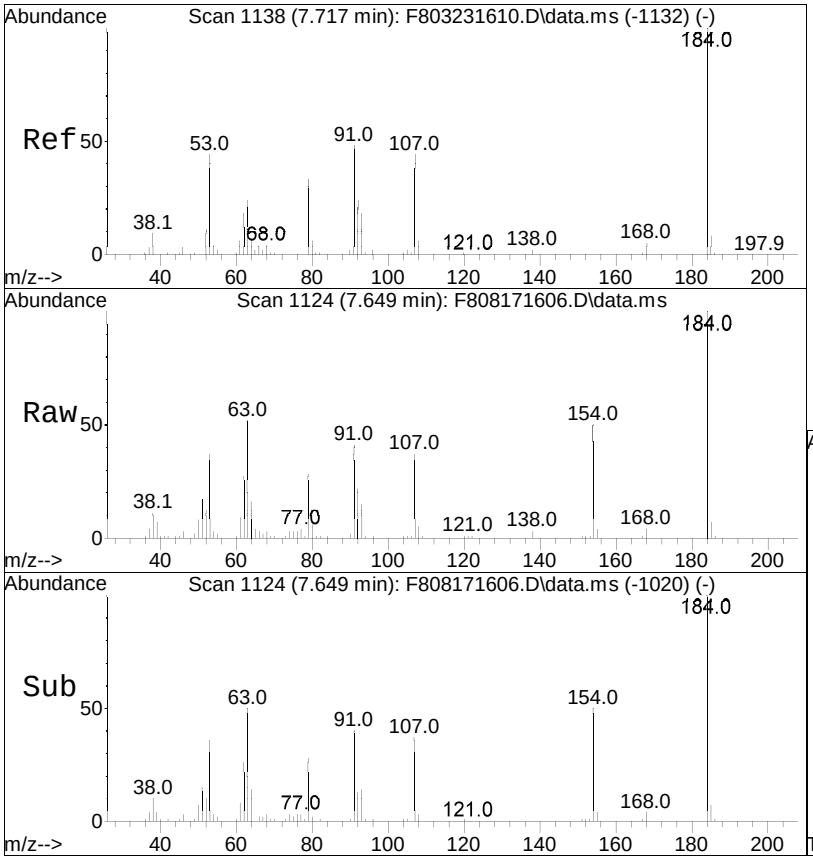


#51
3-Nitroaniline
Concen: 9.04 ug/mL
RT: 7.538 min Scan# 1101
Delta R.T. -0.005 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:138 Resp: 324647

Ion	Ratio	Lower	Upper
138	100		
108	9.4	8.9	13.3
92	106.0	72.2	108.4

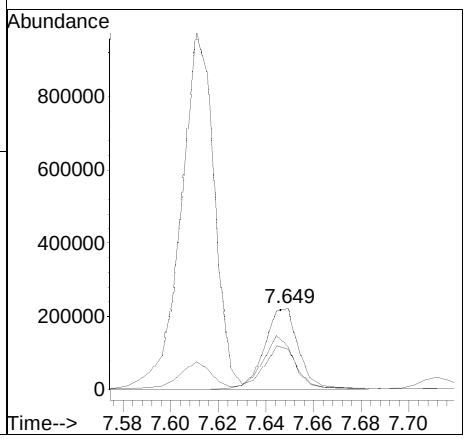


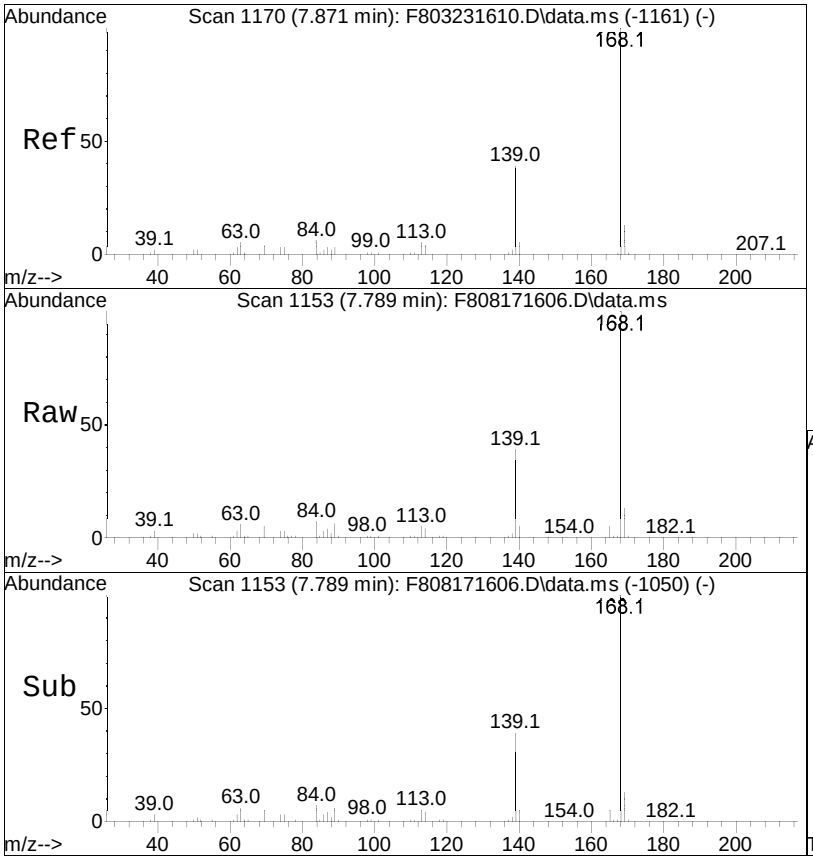


#52
2,4-Dinitrophenol
Concen: 9.29 ug/mL
RT: 7.649 min Scan# 1124
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:184 Resp: 223156

Ion	Ratio	Lower	Upper
184	100		
63	59.7	43.8	65.6
154	50.7	37.1	55.7

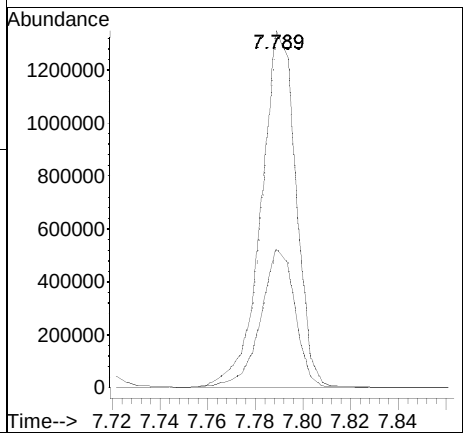


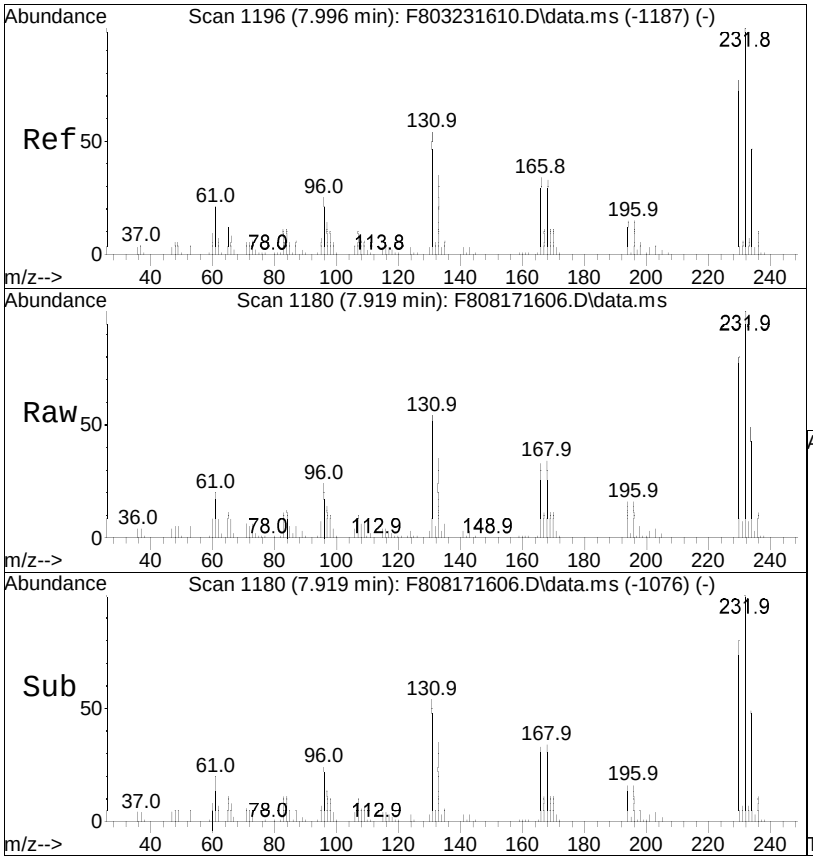


#53
Dibenzofuran
Concen: 8.26 ug/mL
RT: 7.789 min Scan# 1153
Delta R.T. -0.005 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:168 Resp: 1347756

Ion	Ratio	Lower	Upper
168	100		
139	38.8	28.8	43.2

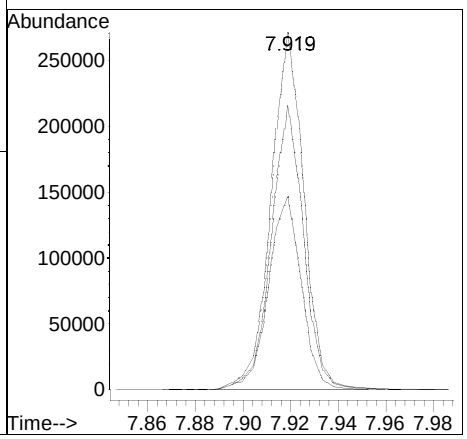


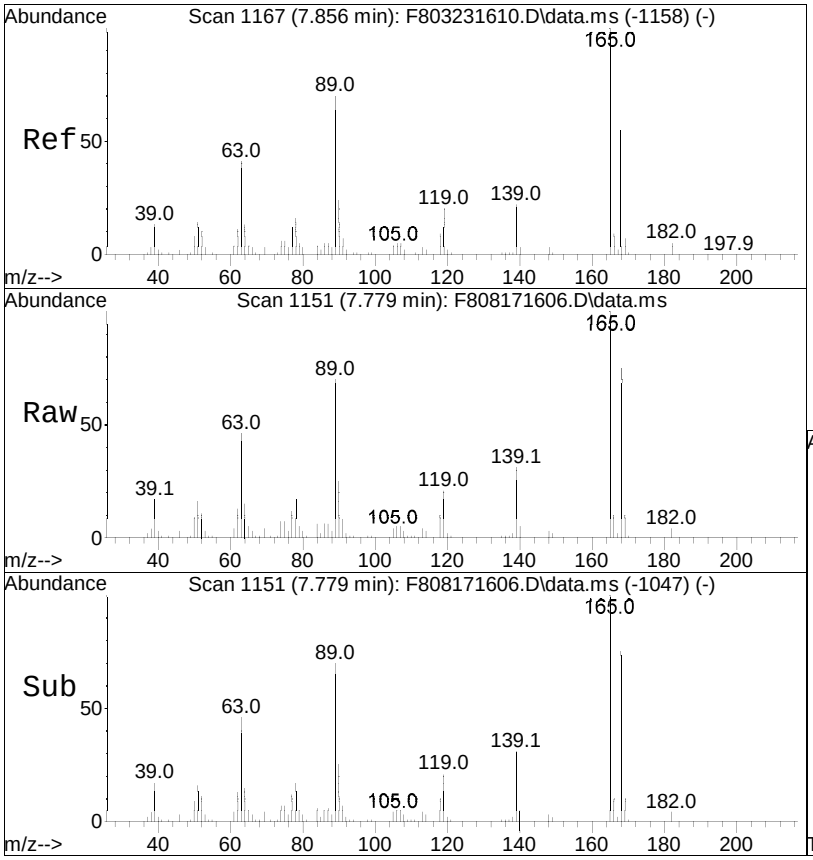


#54
2,3,4,6-Tetrachlorophenol
Concen: 8.88 ug/mL
RT: 7.919 min Scan# 1180
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:232 Resp: 256608

Ion	Ratio	Lower	Upper
232	100		
131	55.4	43.1	64.7
230	79.2	63.0	94.6

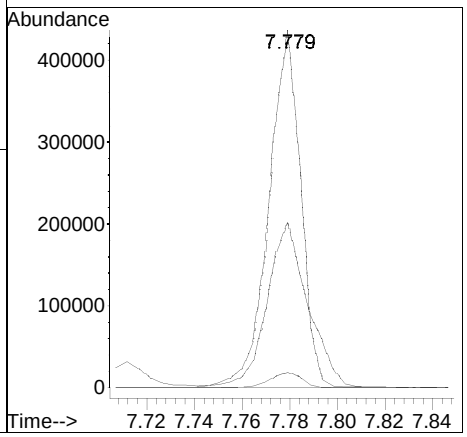


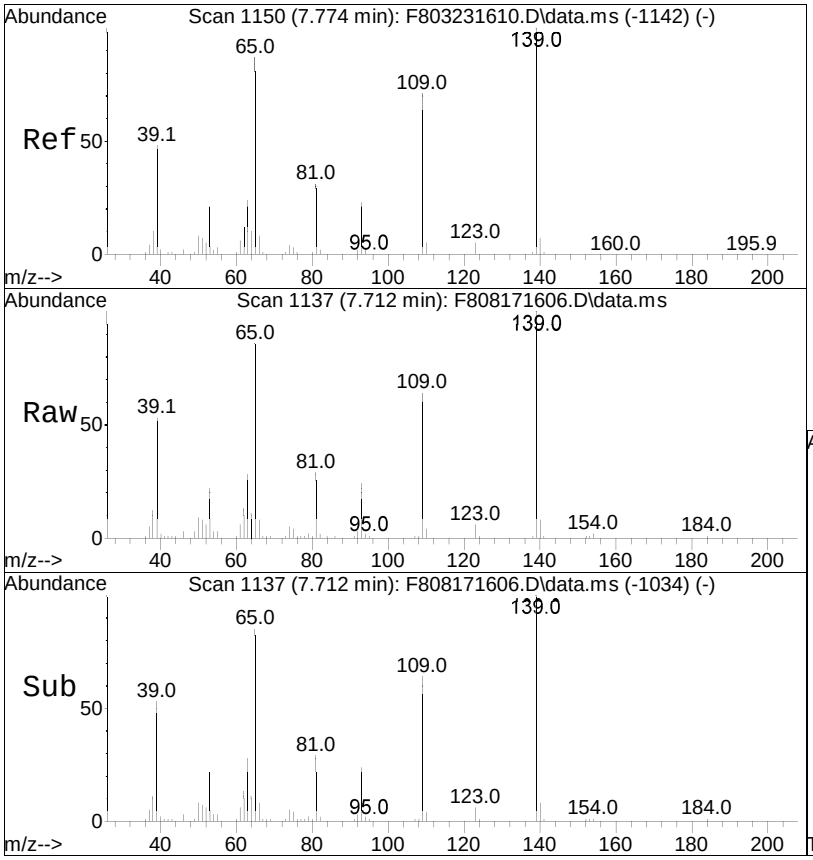


#55
2,4-Dinitrotoluene
Concen: 9.90 ug/mL
RT: 7.779 min Scan# 1151
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:165 Resp: 397914

Ion	Ratio	Lower	Upper
165	100		
63	59.2	30.9	46.3#
182	4.5	3.5	5.3

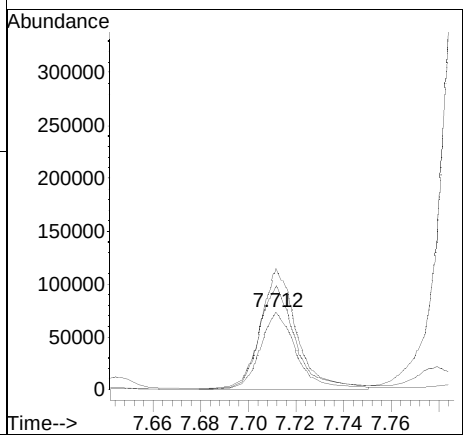


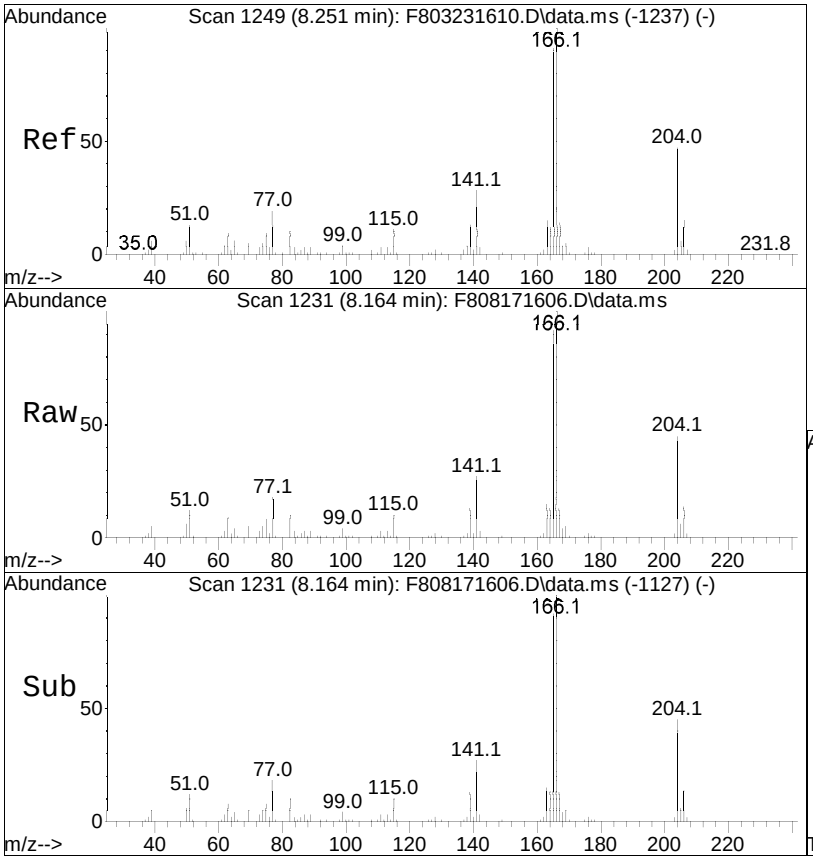


#56
4-Nitrophenol
Concen: 4.42 ug/mL
RT: 7.712 min Scan# 1137
Delta R.T. -0.005 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:109 Resp: 77672

Ion	Ratio	Lower	Upper
109	100		
139	155.4	149.7	224.5
65	133.7	107.3	160.9

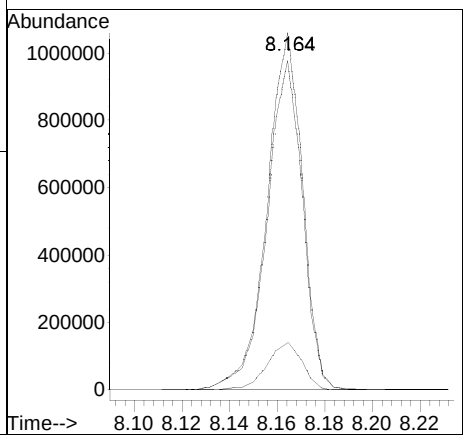


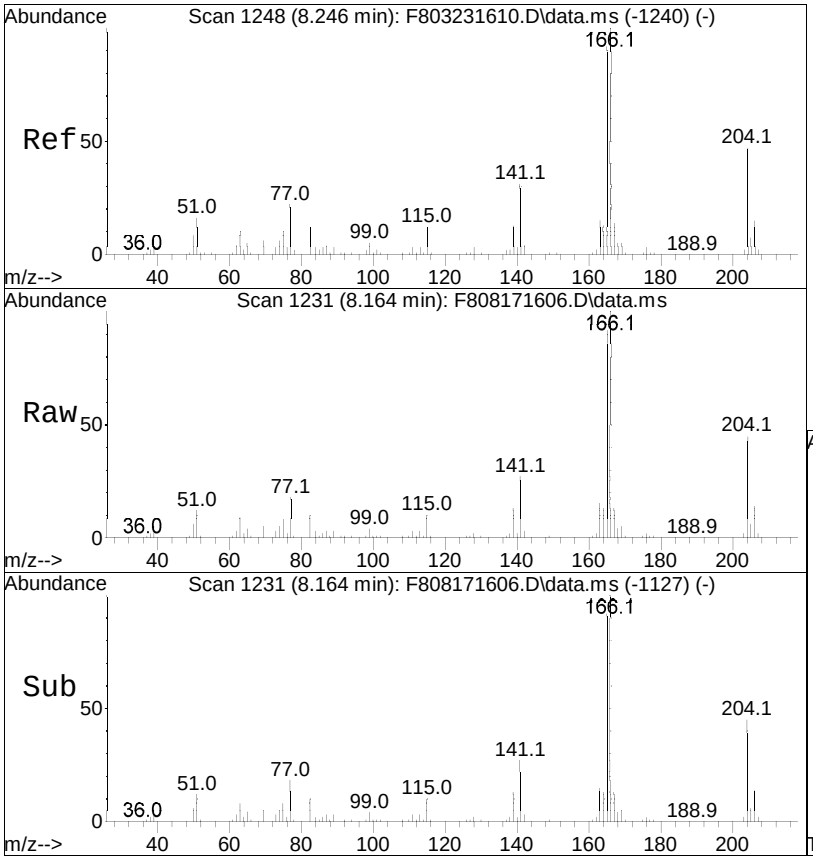


#57
Fluorene
Concen: 8.36 ug/mL
RT: 8.164 min Scan# 1231
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:166 Resp: 1090122

Ion	Ratio	Lower	Upper
166	100		
165	92.1	72.9	109.3
167	13.3	10.9	16.3

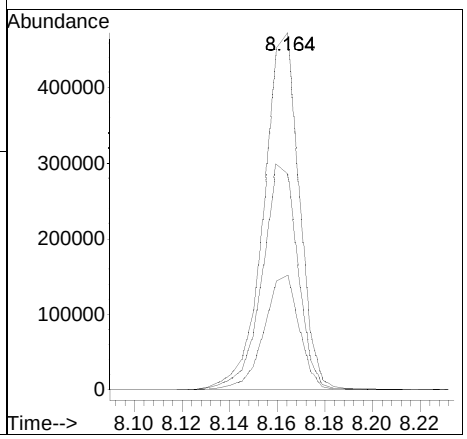


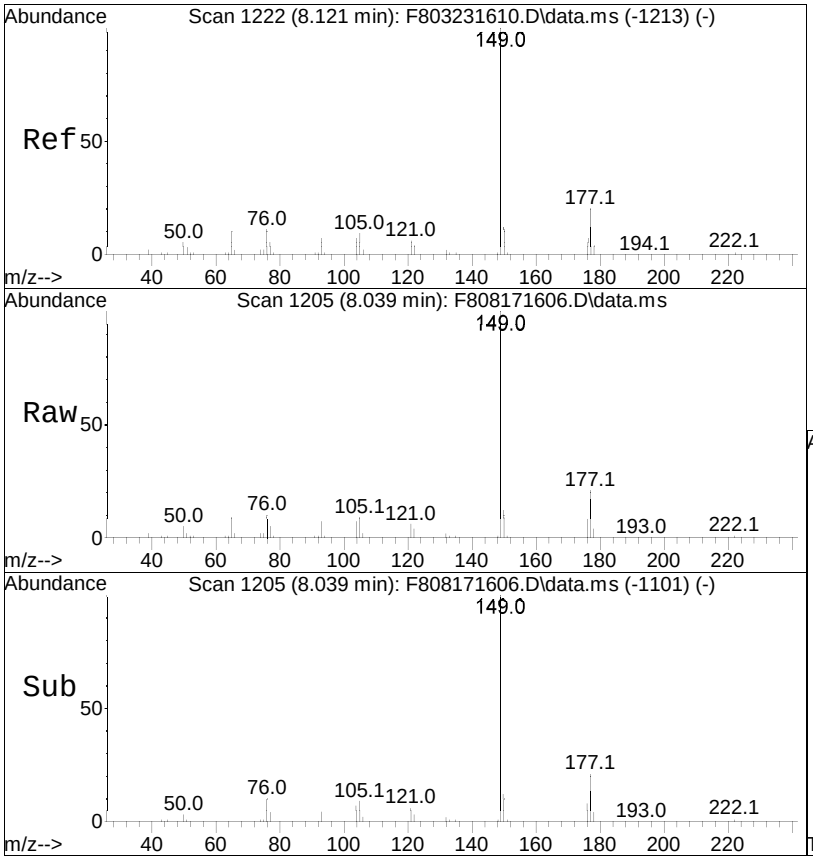


#58
4-Chlorophenyl-phenylether
Concen: 8.22 ug/mL
RT: 8.164 min Scan# 1231
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:204 Resp: 488957

Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.9	38.9
141	63.3	46.2	69.4

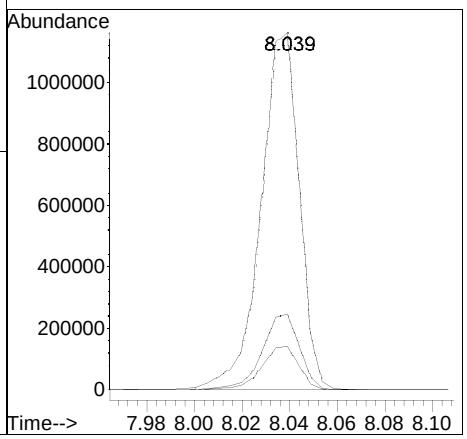


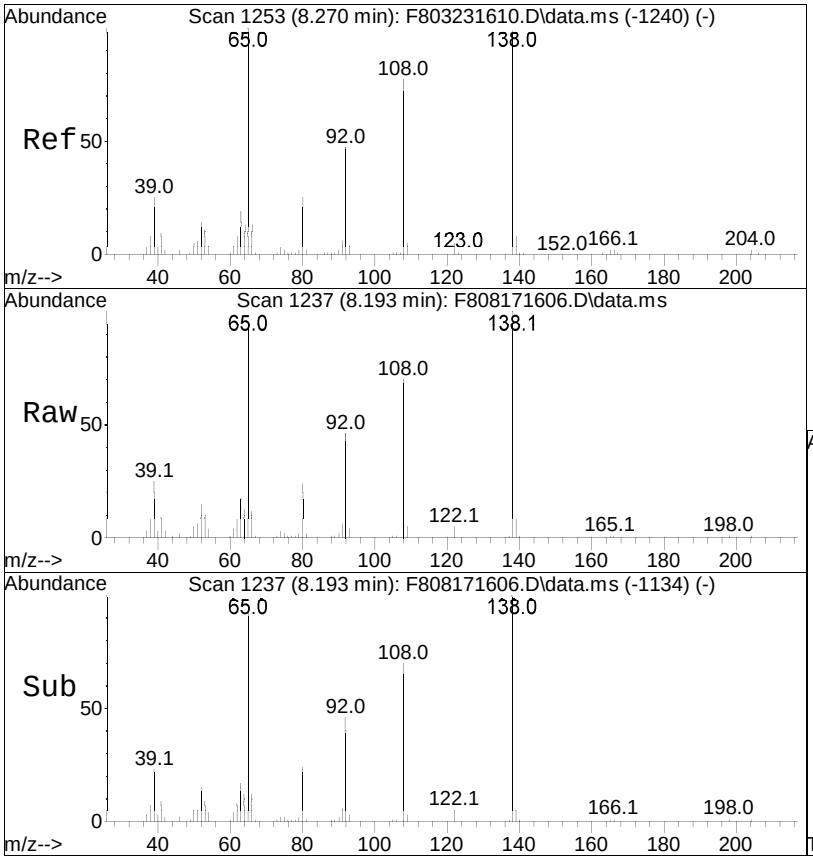


#59
Diethylphthalate
Concen: 9.27 ug/mL
RT: 8.039 min Scan# 1205
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:149 Resp: 1279006

Ion	Ratio	Lower	Upper
149	100		
177	20.9	16.6	24.8
150	12.1	9.8	14.6

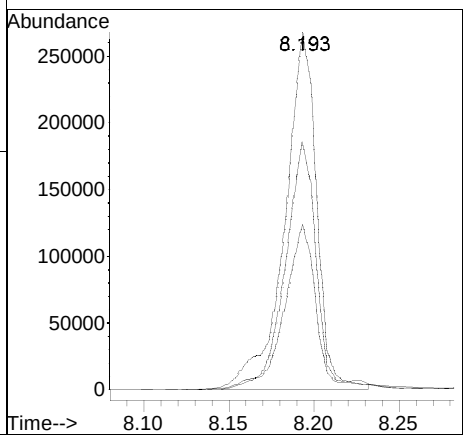


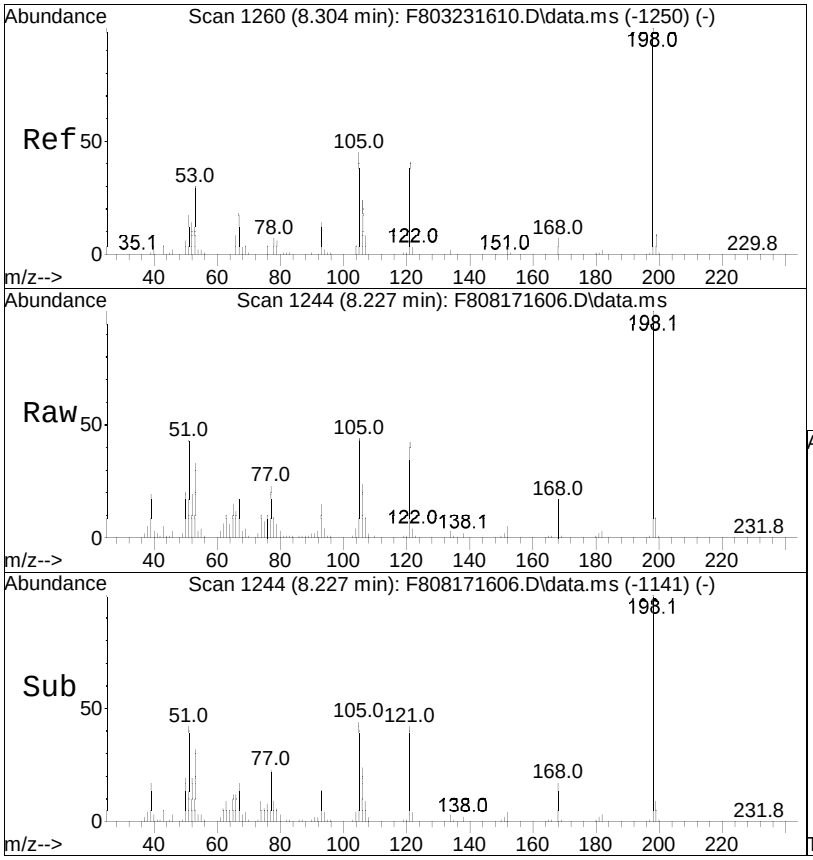


#60
4-Nitroaniline
Concen: 9.58 ug/mL
RT: 8.193 min Scan# 1237
Delta R.T. -0.005 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:138 Resp: 346637

Ion	Ratio	Lower	Upper
138	100		
92	46.3	32.7	49.1
108	67.4	45.8	68.6

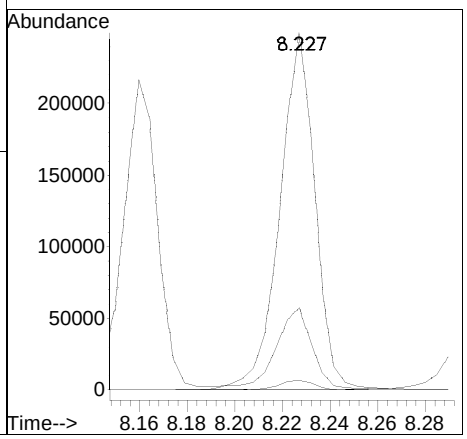


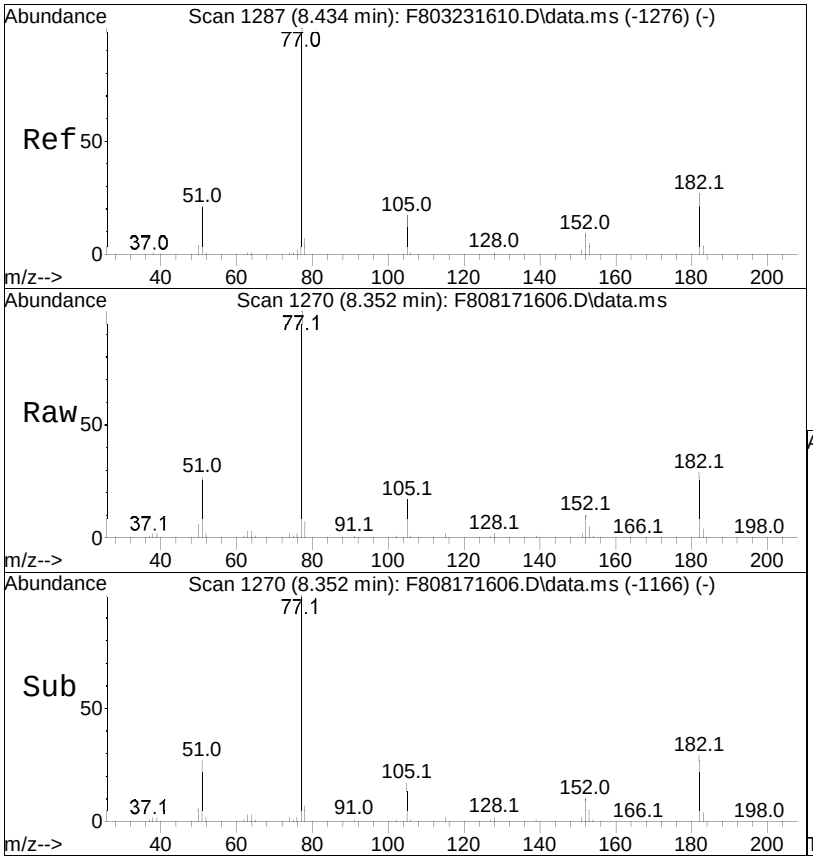


#62
4,6-Dinitro-2-methylphenol
Concen: 9.60 ug/mL
RT: 8.227 min Scan# 1244
Delta R.T. -0.005 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:198 Resp: 254571

Ion	Ratio	Lower	Upper
198	100		
182	2.9	2.2	3.2
77	22.7	16.8	25.2

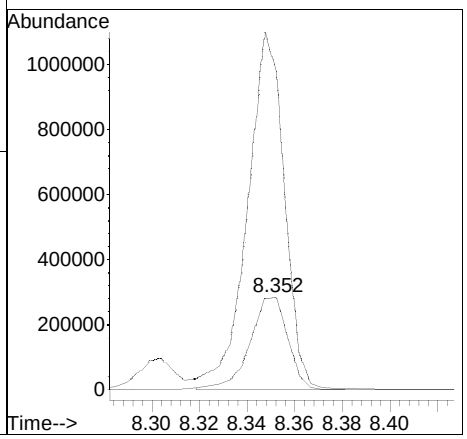


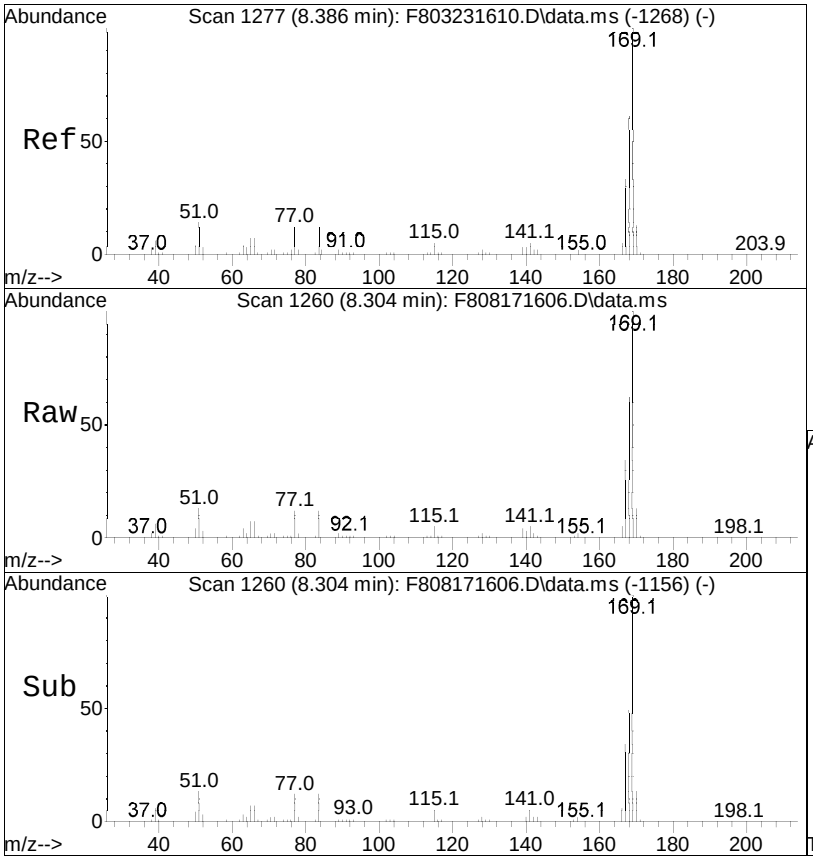


#63
Azobenzene
Concen: 8.33 ug/mL
RT: 8.352 min Scan# 1270
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:182 Resp: 312088

Ion	Ratio	Lower	Upper
182	100		
77	369.7	54.9	631.7

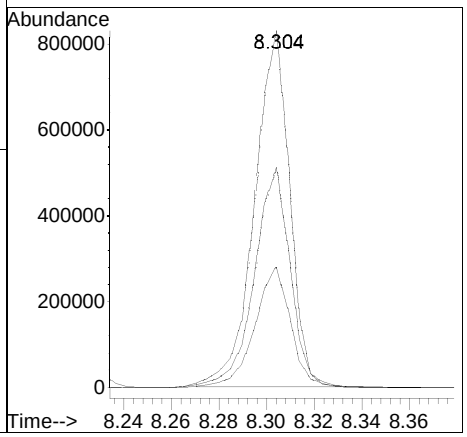


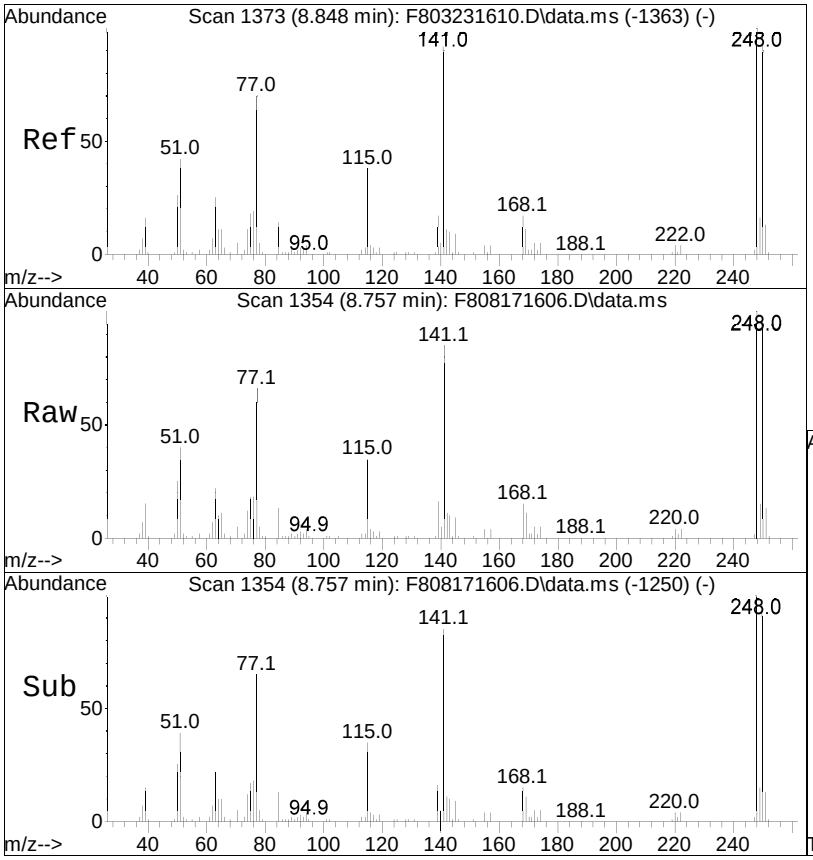


#64
n-Nitrosodiphenylamine
Concen: 8.87 ug/mL
RT: 8.304 min Scan# 1260
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:169 Resp: 838051

Ion	Ratio	Lower	Upper
169	100		
168	63.3	49.4	74.2
167	34.8	26.7	40.1

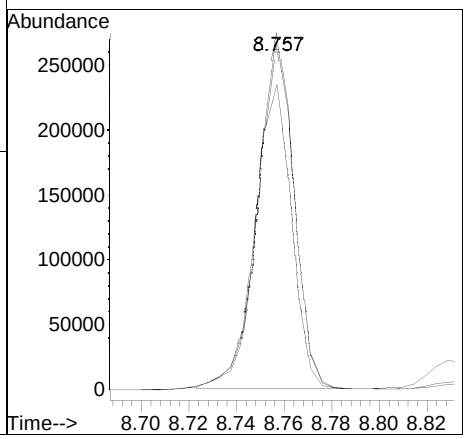


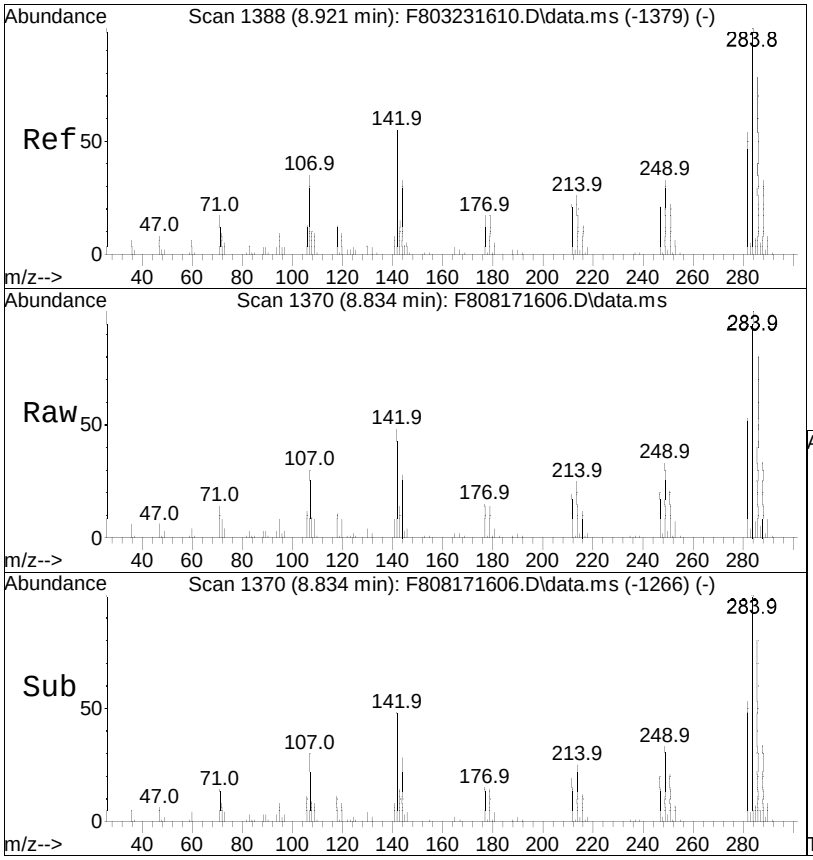


#66
4-Bromophenyl-phenylether
Concen: 8.62 ug/mL
RT: 8.757 min Scan# 1354
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:248 Resp: 287615

Ion	Ratio	Lower	Upper
248	100		
250	97.3	77.3	115.9
141	86.8	61.7	92.5

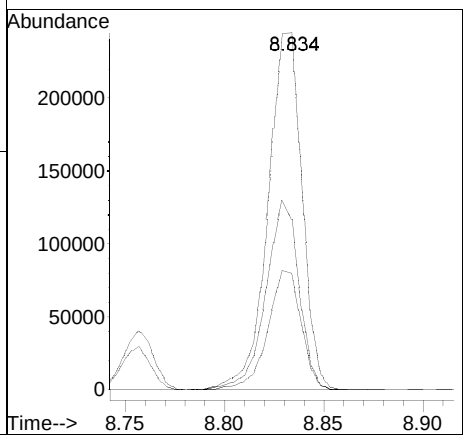


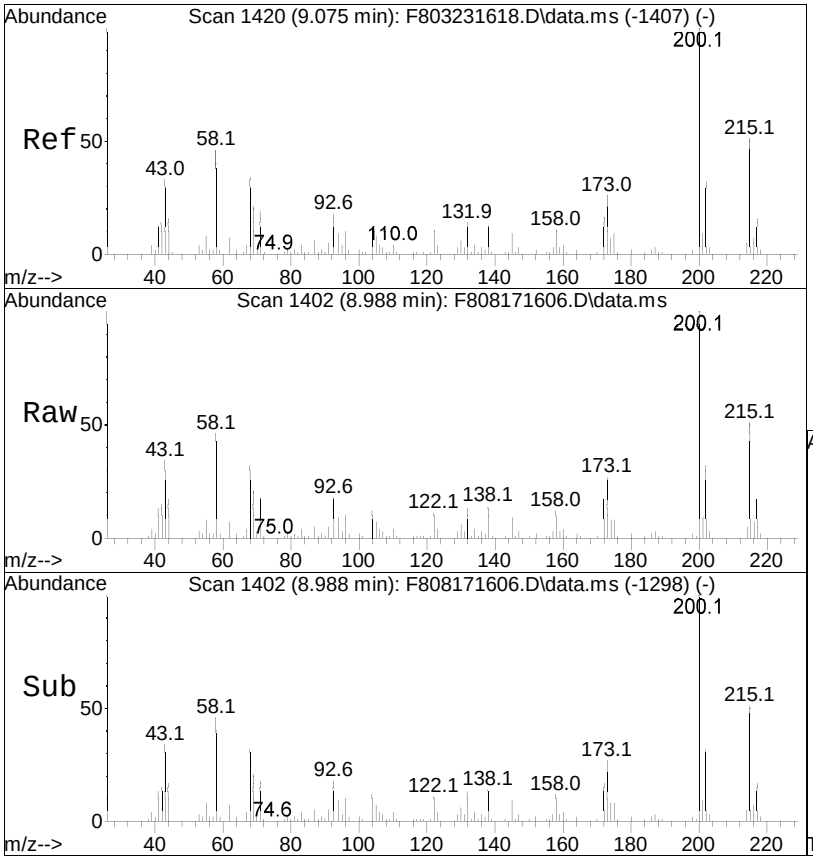


#67
Hexachlorobenzene
Concen: 8.55 ug/mL
RT: 8.834 min Scan# 1370
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:284 Resp: 291838

Ion	Ratio	Lower	Upper
284	100		
142	51.6	37.8	56.6
249	32.9	24.8	37.2

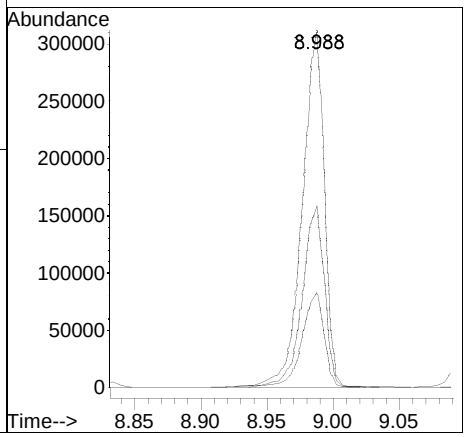


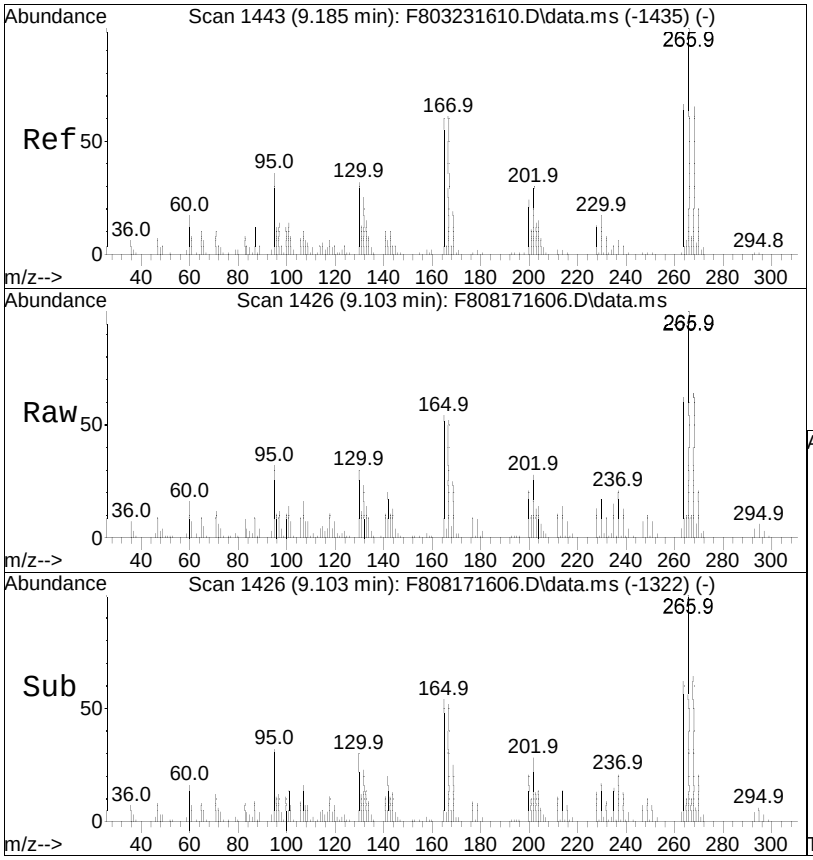


#68
Atrazine
Concen: 9.42 ug/ml
RT: 8.988 min Scan# 1402
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:200 Resp: 358616

Ion	Ratio	Lower	Upper
200	100		
173	27.4	22.4	33.6
215	51.3	43.8	65.6

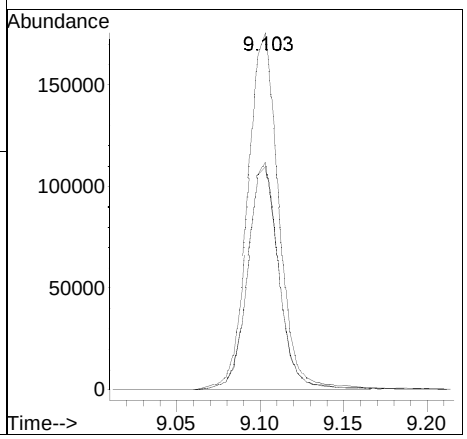


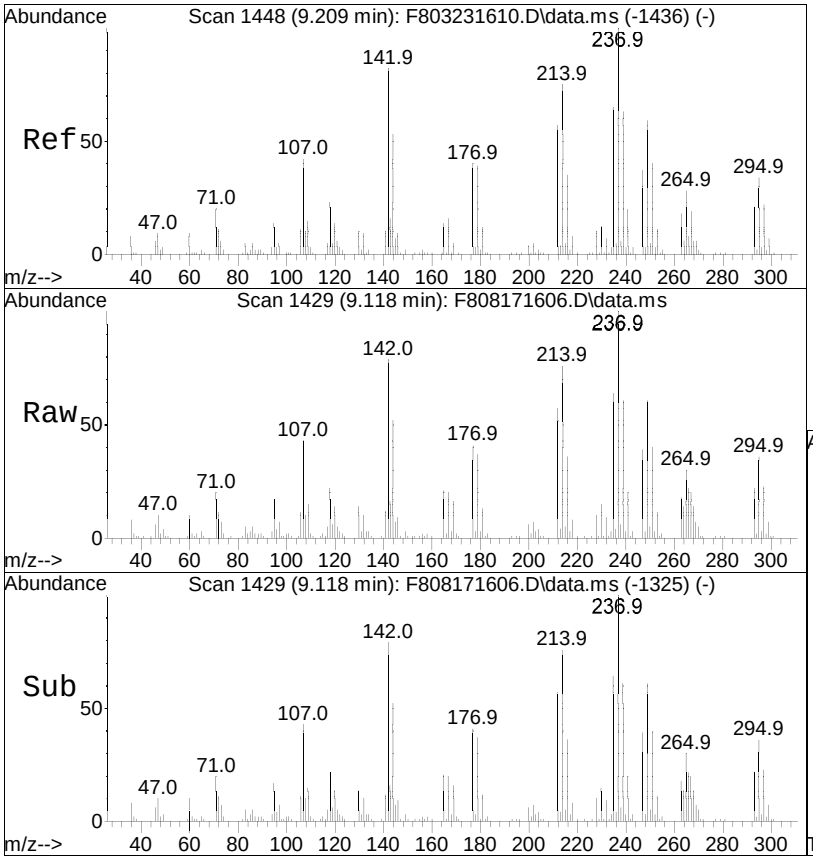


#69
Pentachlorophenol
Concen: 8.99 ug/mL M4
RT: 9.103 min Scan# 1426
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:266 Resp: 227531

Ion	Ratio	Lower	Upper
266	100		
264	61.0	49.7	74.5
268	61.2	48.1	72.1

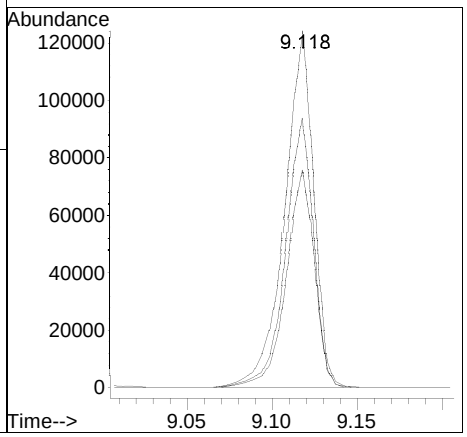


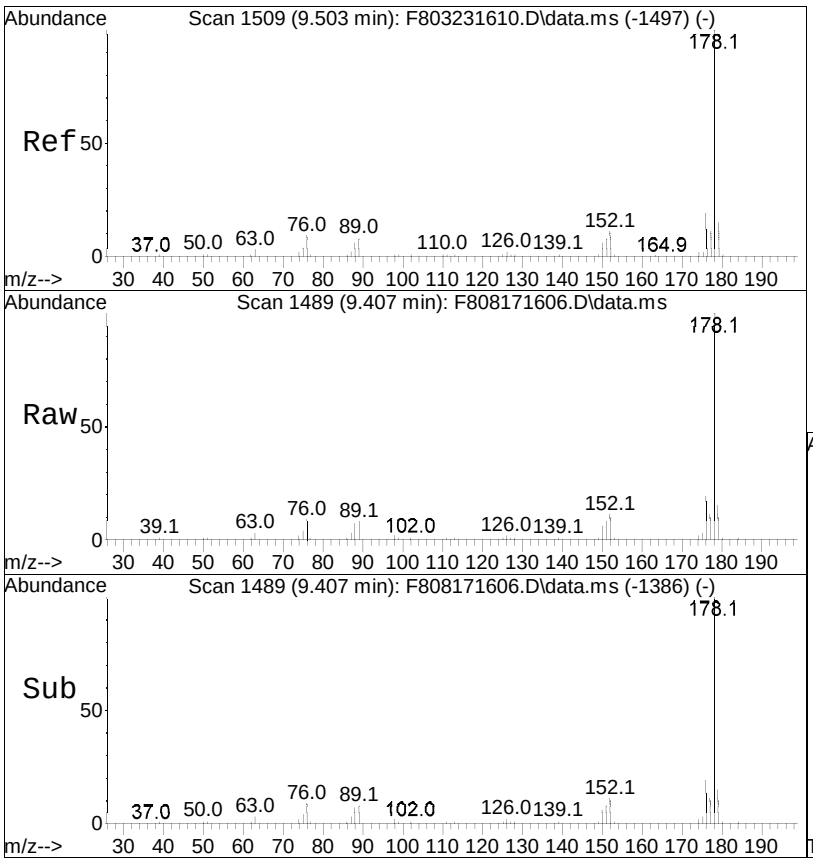


#70
Pentachloronitrobenzene
Concen: 10.07 ug/ml
RT: 9.118 min Scan# 1429
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:237 Resp: 147323

Ion	Ratio	Lower	Upper
237	100		
214	73.0	63.4	95.2
249	59.2	54.9	82.3

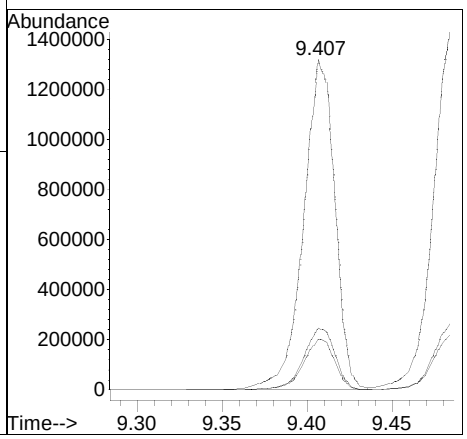


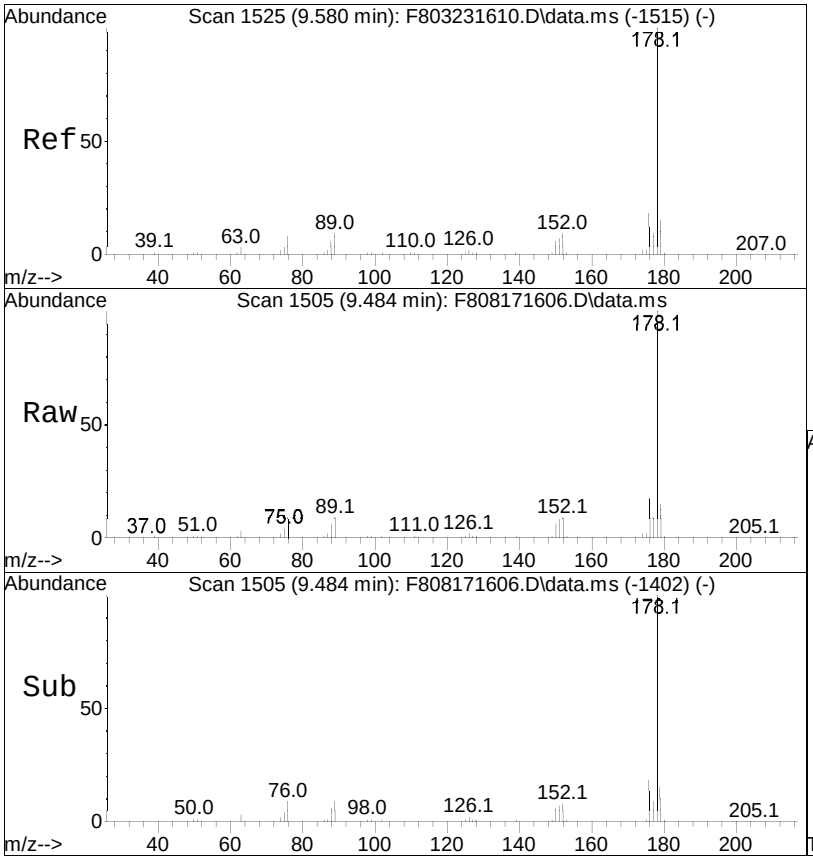


#71
Phenanthrene
Concen: 8.59 ug/mL
RT: 9.407 min Scan# 1489
Delta R.T. -0.005 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:178 Resp: 1685396

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.4	18.6
176	18.8	15.0	22.6

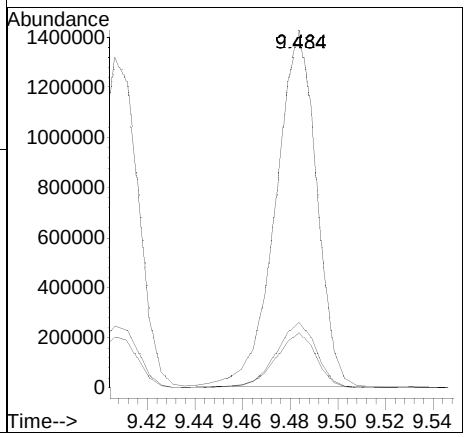


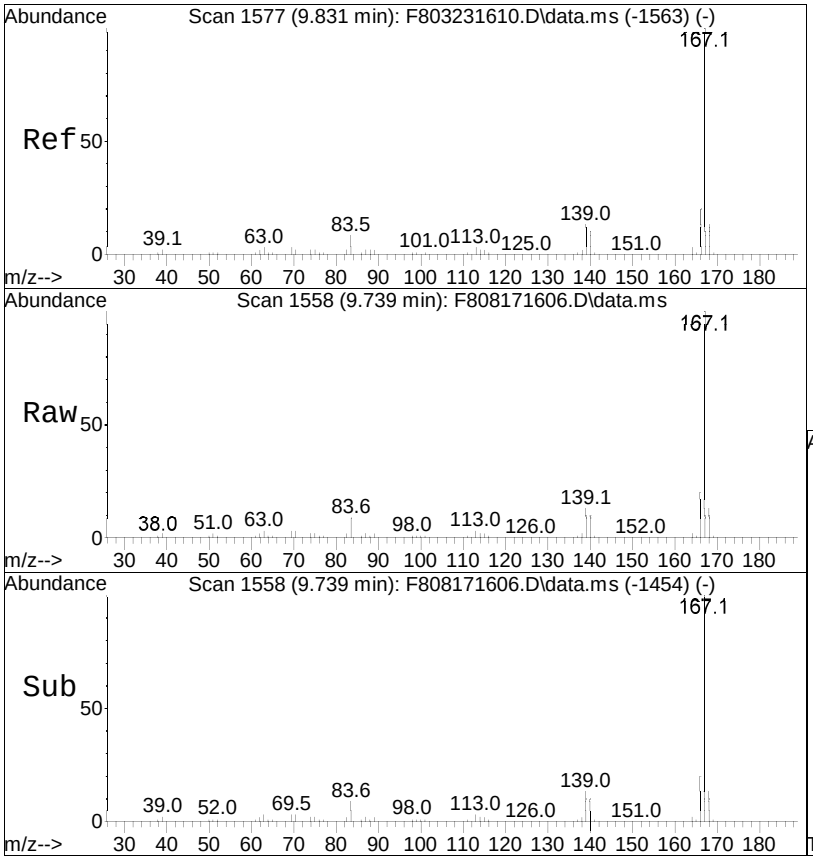


#72
Anthracene
Concen: 8.69 ug/mL
RT: 9.484 min Scan# 1505
Delta R.T. -0.005 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:178 Resp: 1690821

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	18.8
176	18.2	14.6	22.0

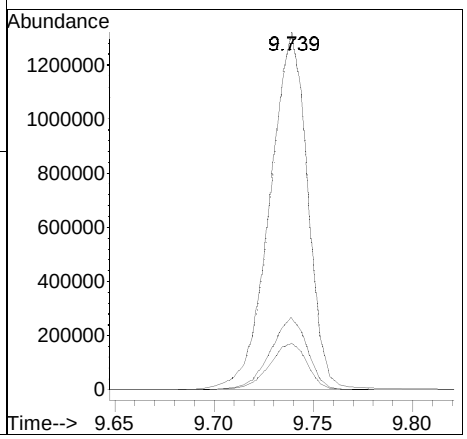


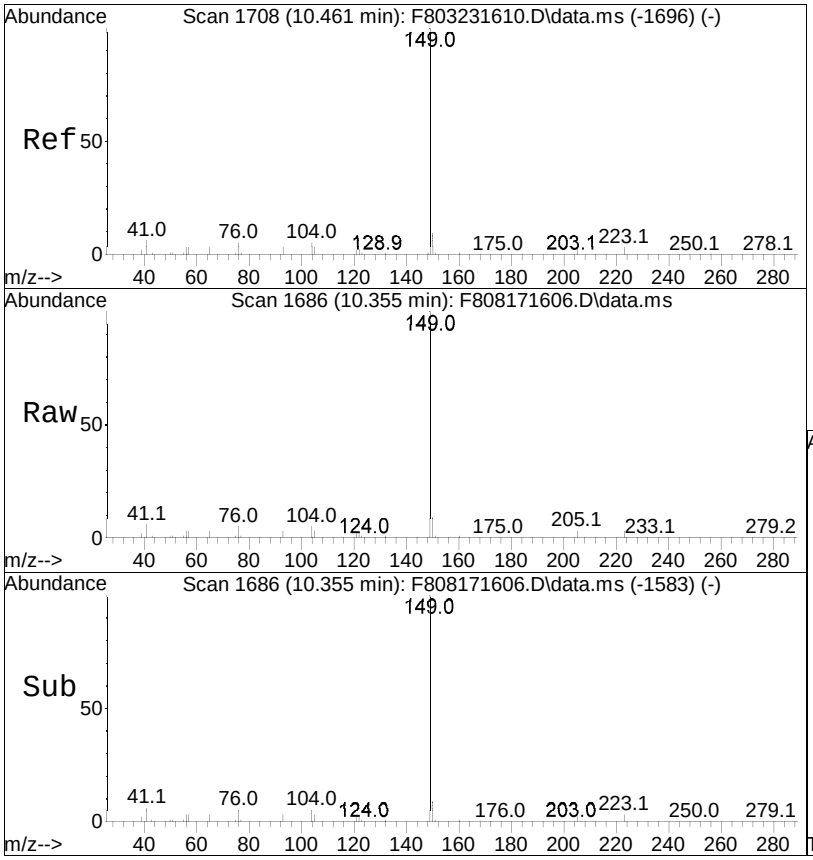


#73
Carbazole
Concen: 9.37 ug/mL
RT: 9.739 min Scan# 1558
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:167 Resp: 1721803

Ion	Ratio	Lower	Upper
167	100		
139	13.4	10.3	15.5
166	20.3	15.9	23.9

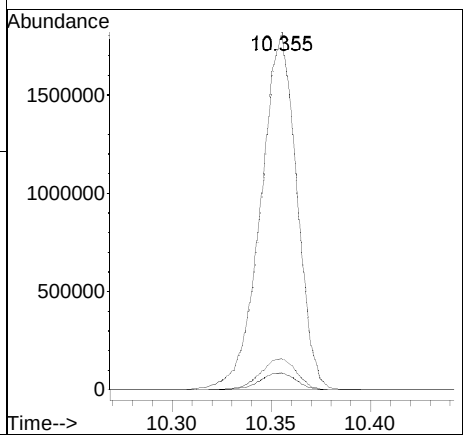


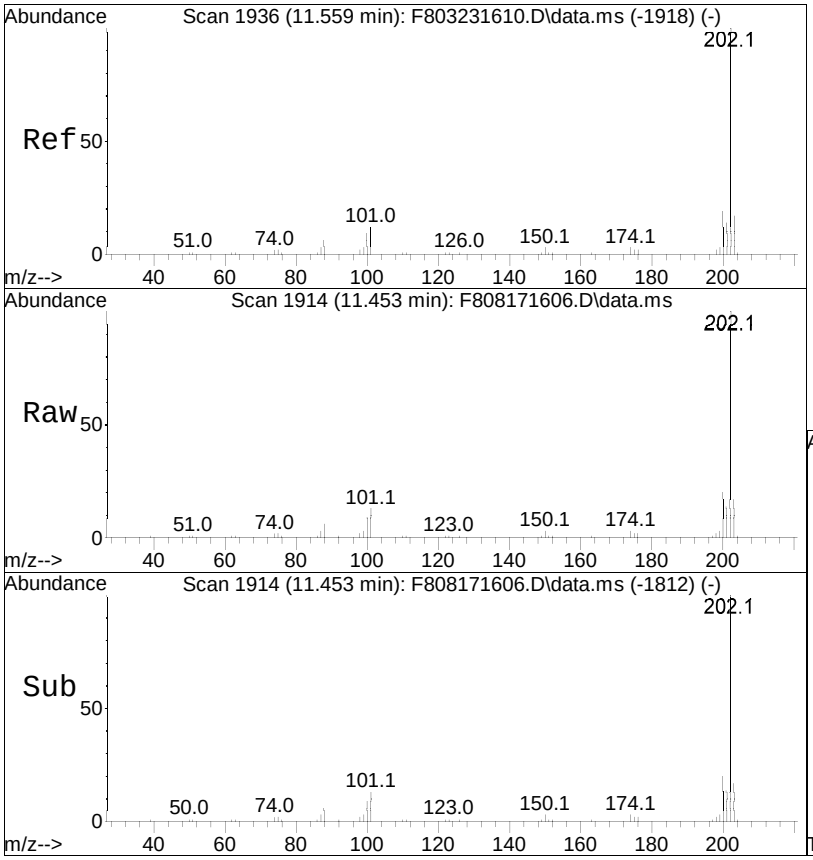


#74
Di-n-butylphthalate
Concen: 9.79 ug/mL
RT: 10.355 min Scan# 1686
Delta R.T. -0.005 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:149 Resp: 2258372

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.2
104	5.0	3.5	5.3

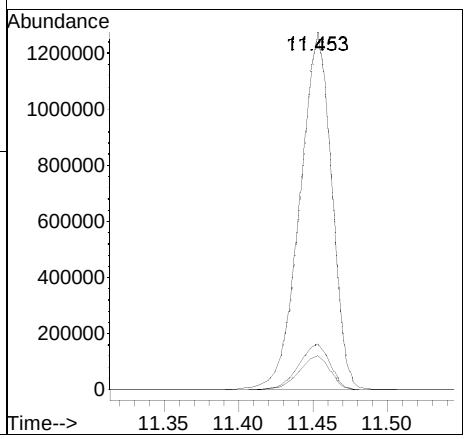


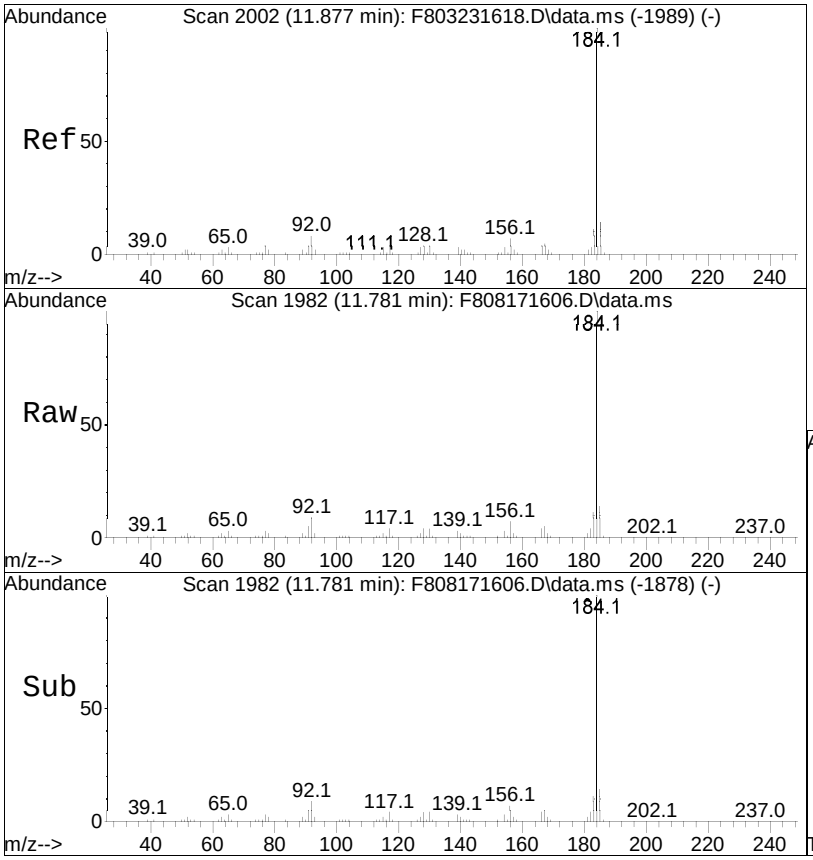


#75
Fluoranthene
Concen: 8.99 ug/mL
RT: 11.453 min Scan# 1914
Delta R.T. -0.010 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:202 Resp: 1879275

Ion	Ratio	Lower	Upper
202	100		
101	13.0	13.4	20.2#
100	9.7	9.4	14.2

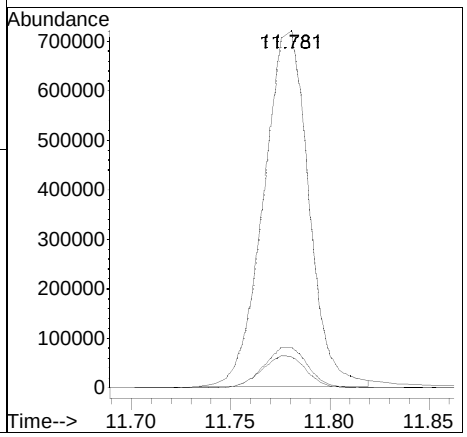


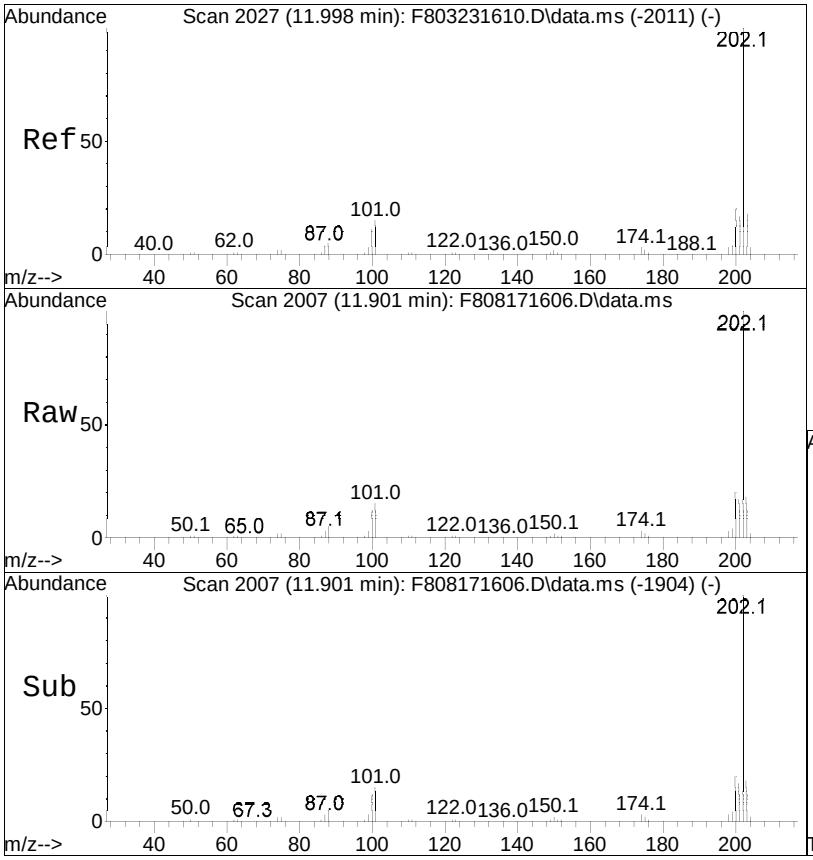


#77
Benzidine
Concen: 7.81 ug/mL
RT: 11.781 min Scan# 1982
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:184 Resp: 1120120

Ion	Ratio	Lower	Upper
184	100		
183	11.3	9.0	13.4
92	9.1	7.4	11.2

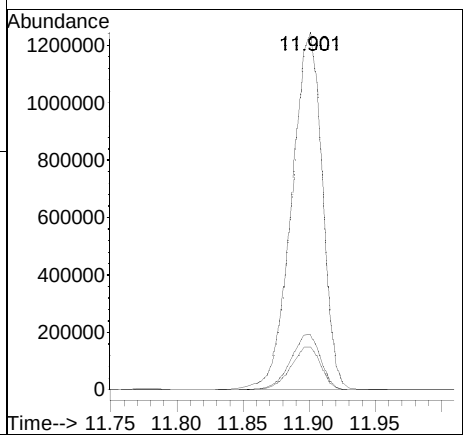


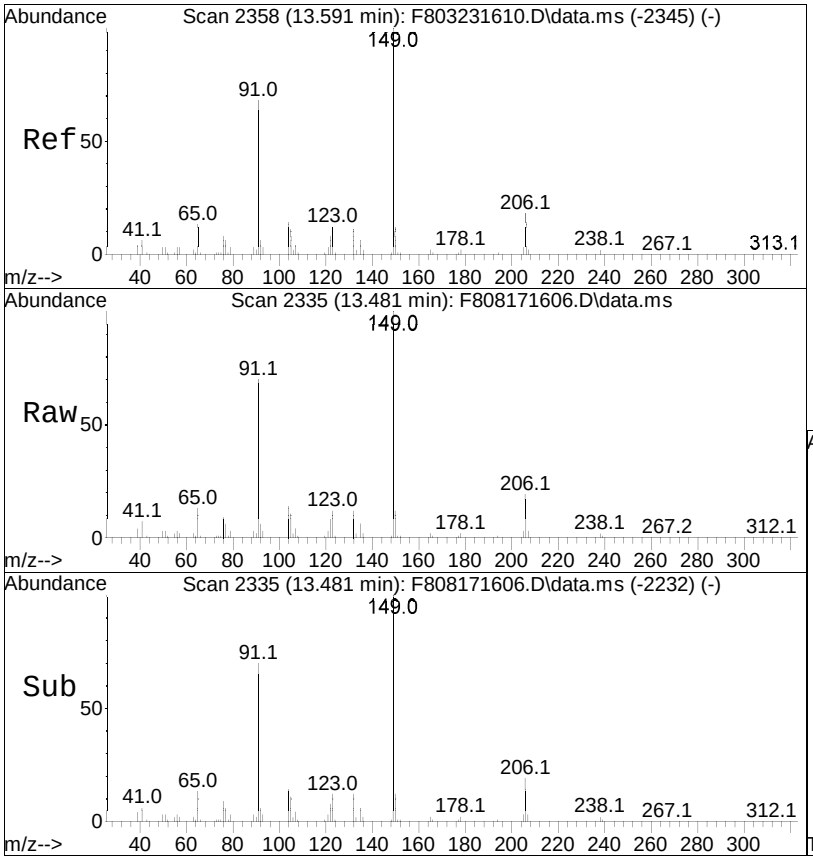


#78
Pyrene
Concen: 9.16 ug/mL
RT: 11.901 min Scan# 2007
Delta R.T. -0.005 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:202 Resp: 1987161

Ion	Ratio	Lower	Upper
202	100		
101	15.3	14.9	22.3
100	12.0	11.4	17.2

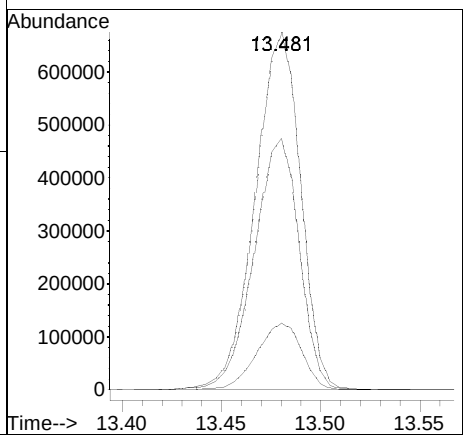


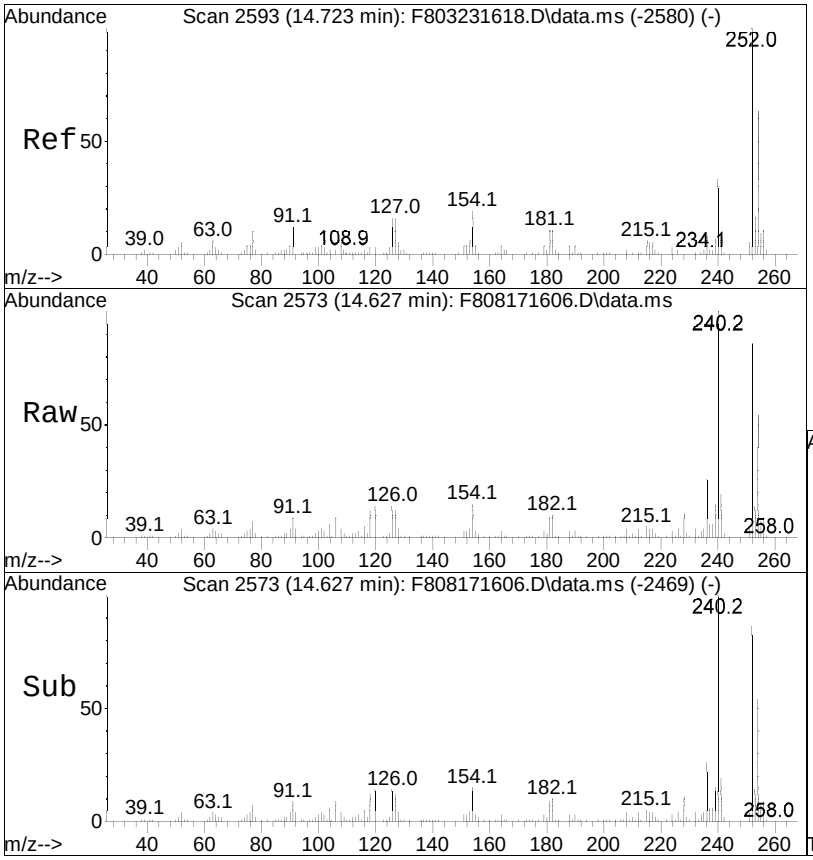


#80
Butylbenzylphthalate
Concen: 9.35 ug/mL
RT: 13.481 min Scan# 2335
Delta R.T. -0.005 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:149 Resp: 1060646

Ion	Ratio	Lower	Upper
149	100		
91	70.8	50.8	76.2
206	19.0	15.0	22.4

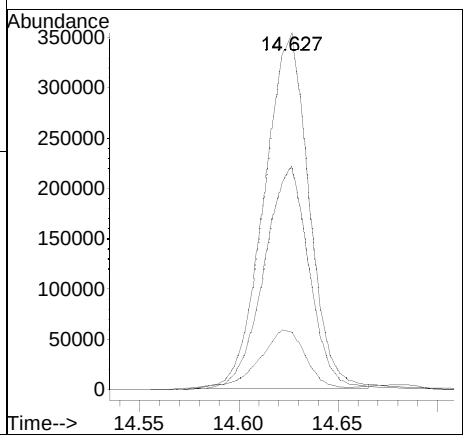


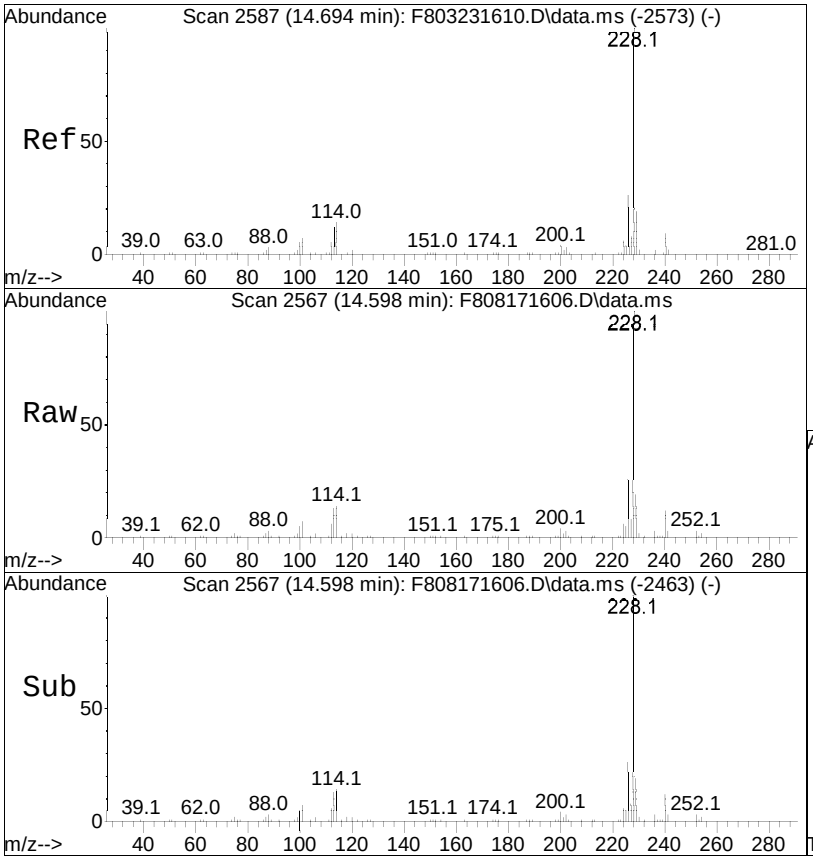


#81
3,3'-Dichlorobenzidine
Concen: 7.79 ug/mL
RT: 14.627 min Scan# 2573
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:252 Resp: 551127

Ion	Ratio	Lower	Upper
252	100		
254	62.7	52.0	78.0
126	18.3	13.6	20.4

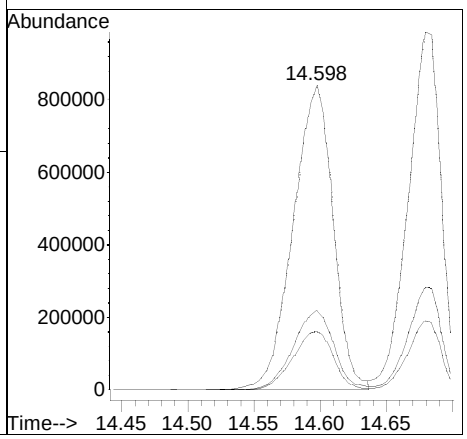


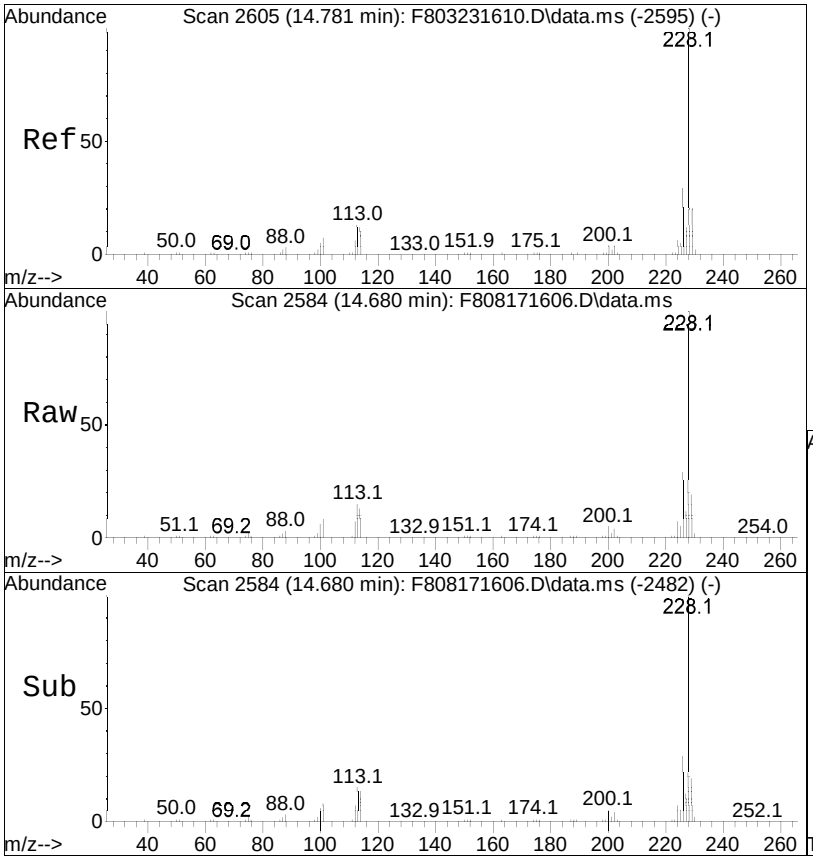


#82
Benz[a]anthracene
Concen: 9.33 ug/mL
RT: 14.598 min Scan# 2567
Delta R.T. -0.000 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:228 Resp: 1763826

Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.9	23.9
226	26.7	21.2	31.8

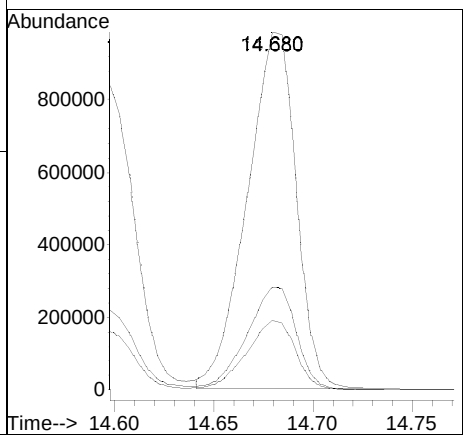


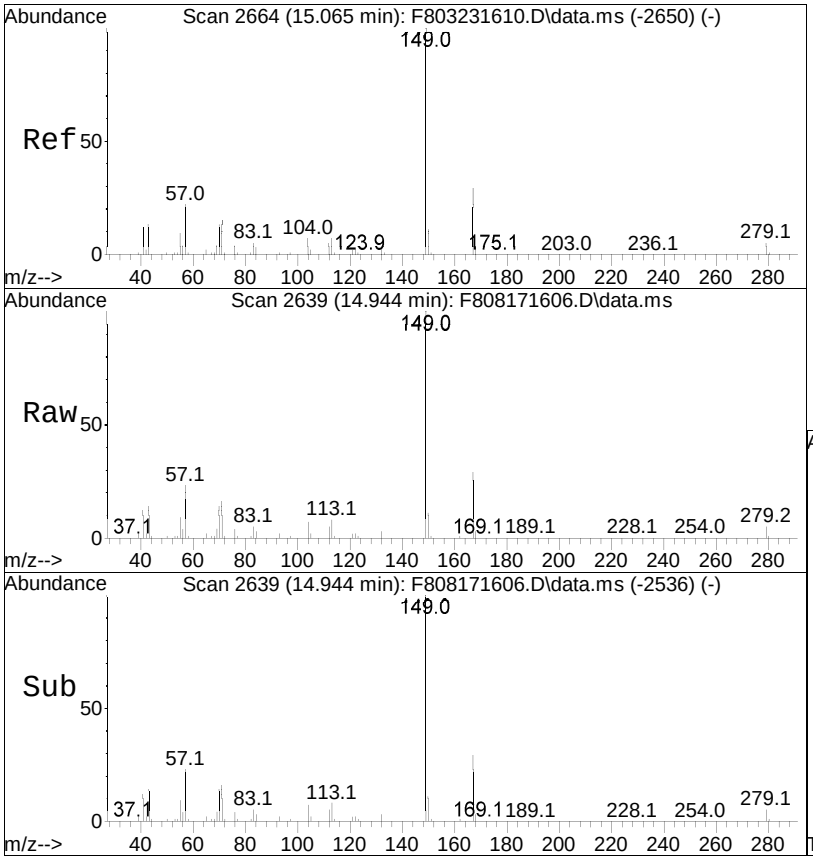


#83
Chrysene
Concen: 8.84 ug/mL
RT: 14.680 min Scan# 2584
Delta R.T. -0.010 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:228 Resp: 1682440

Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.7	35.5
229	19.4	15.8	23.8

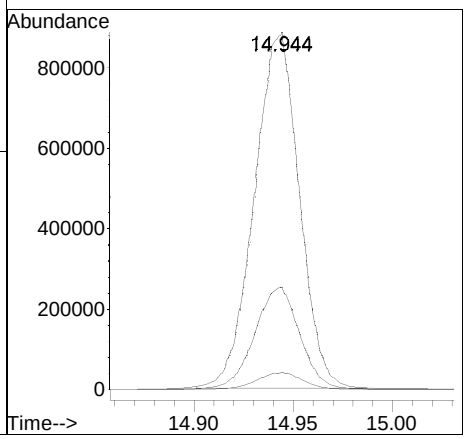


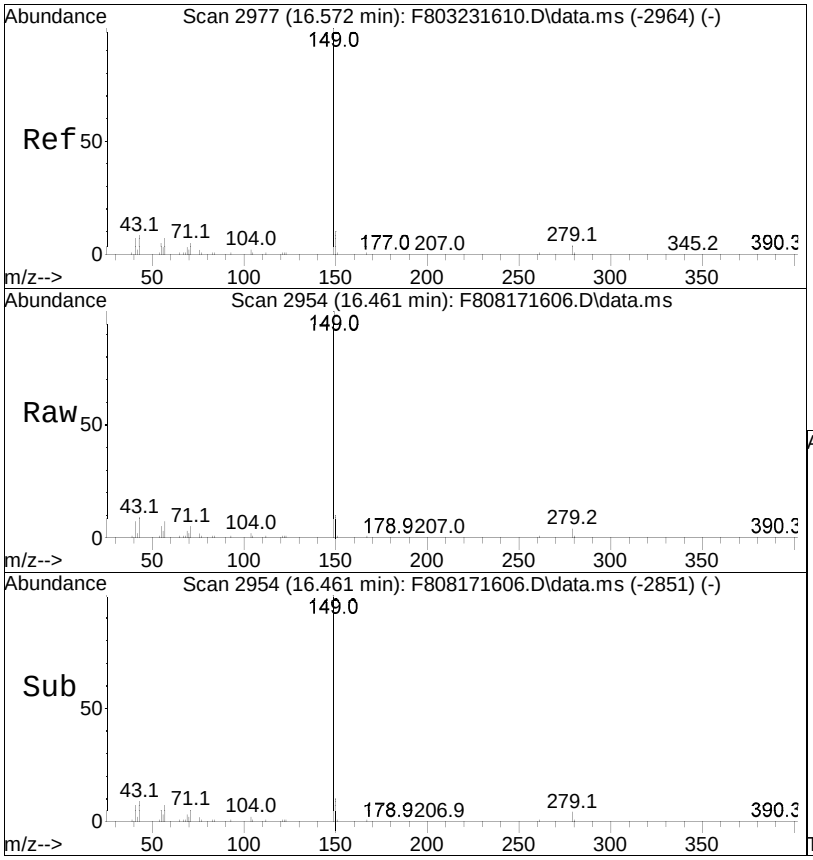


#84
bis(2-Ethylhexyl)phthalate
Concen: 9.26 ug/mL
RT: 14.944 min Scan# 2639
Delta R.T. -0.005 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:149 Resp: 1381199

Ion	Ratio	Lower	Upper
149	100		
167	28.7	23.8	35.6
279	4.9	4.0	6.0

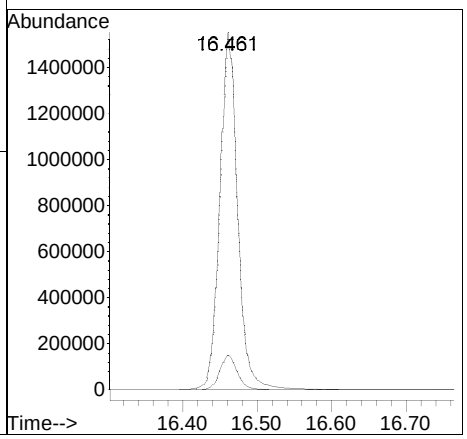


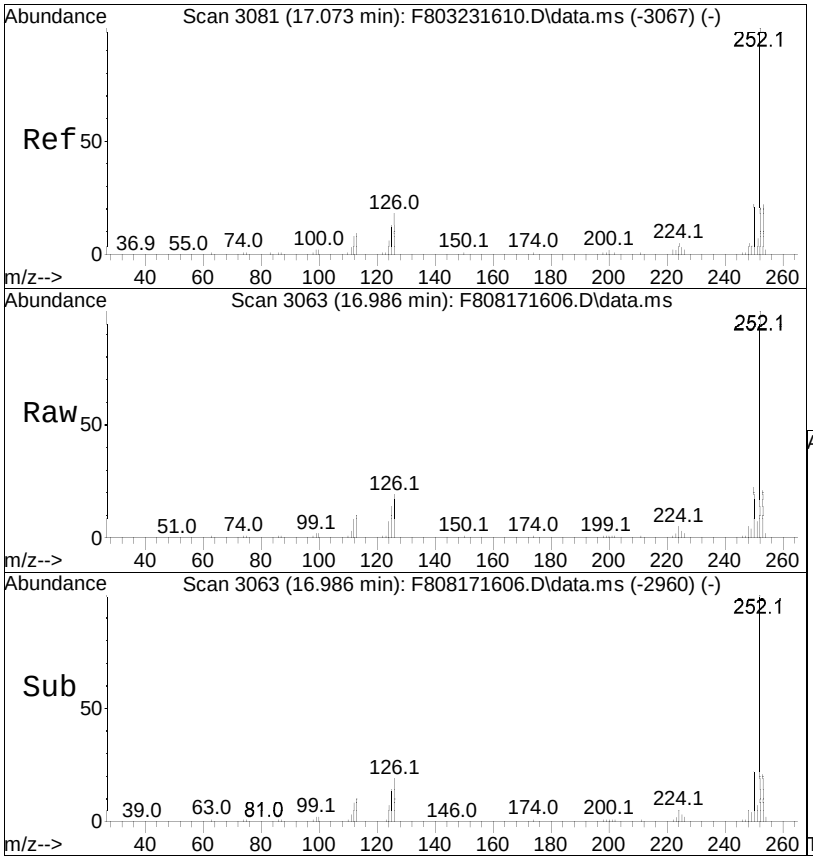


#86
Di-n-octylphthalate
Concen: 9.03 ug/mL
RT: 16.461 min Scan# 2954
Delta R.T. -0.005 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:149 Resp: 2517468

Ion	Ratio	Lower	Upper
149	100		
150	9.6	8.1	12.1

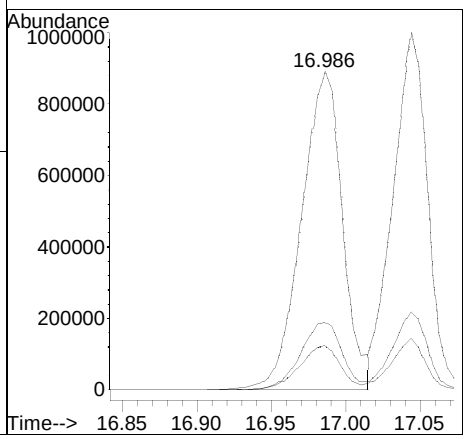


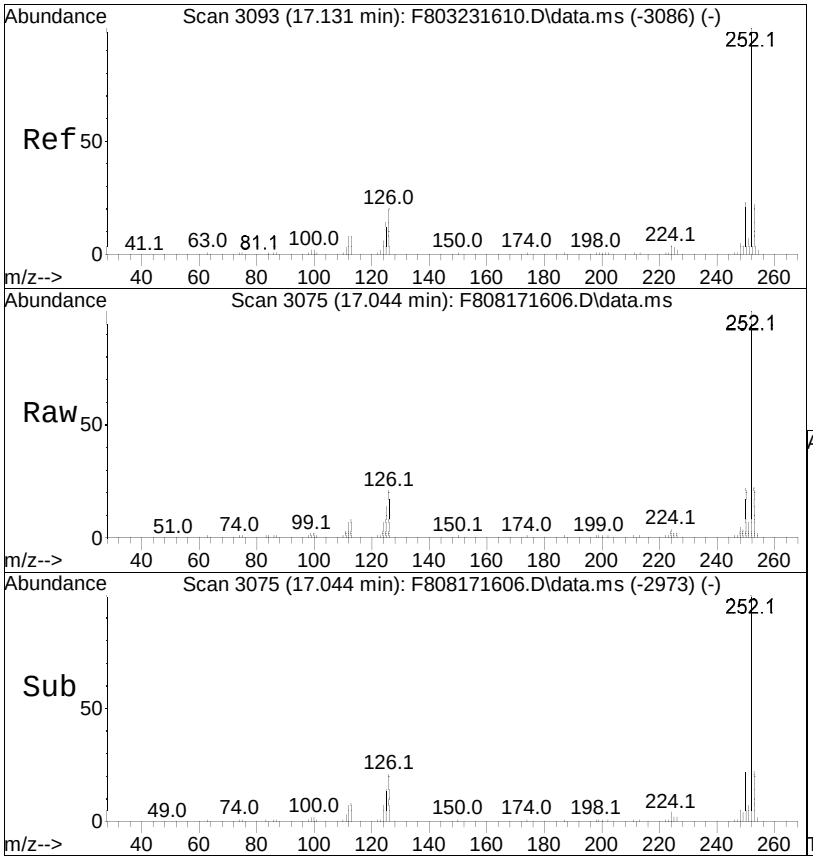


#87
Benzo[b]fluoranthene
Concen: 9.65 ug/mL
RT: 16.986 min Scan# 3063
Delta R.T. -0.005 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:252 Resp: 1709808

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	14.1	13.7	20.5

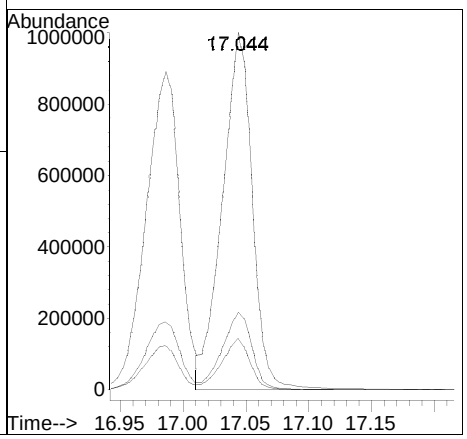


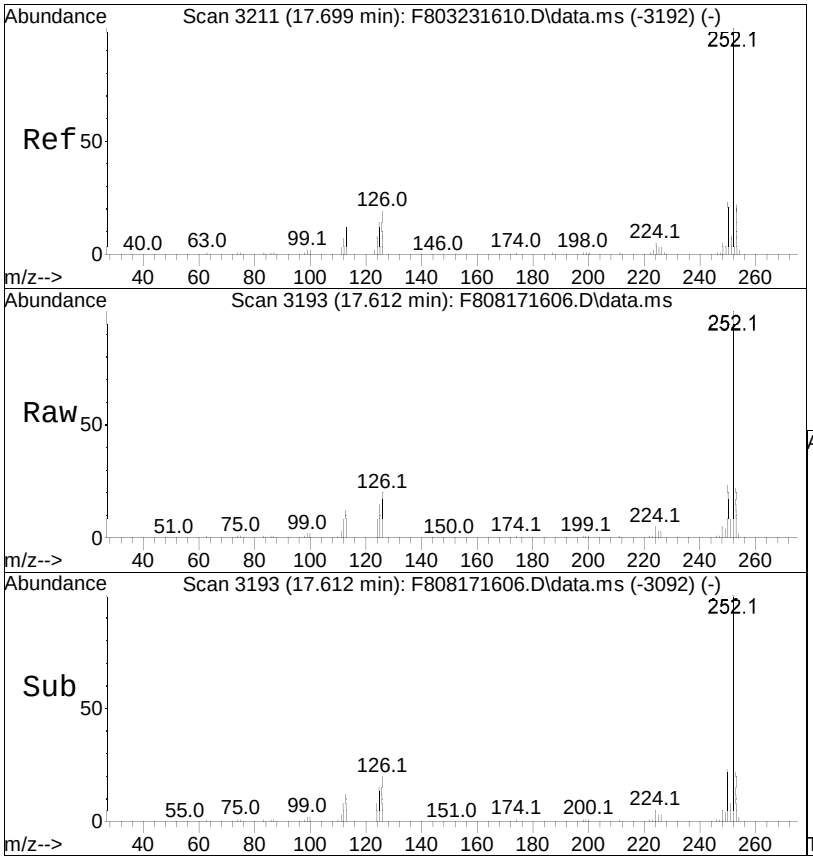


#88
Benzo[k]fluoranthene
Concen: 9.43 ug/mL M6
RT: 17.044 min Scan# 3075
Delta R.T. -0.010 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:252 Resp: 1661590

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.3	25.9
125	13.3	13.3	19.9

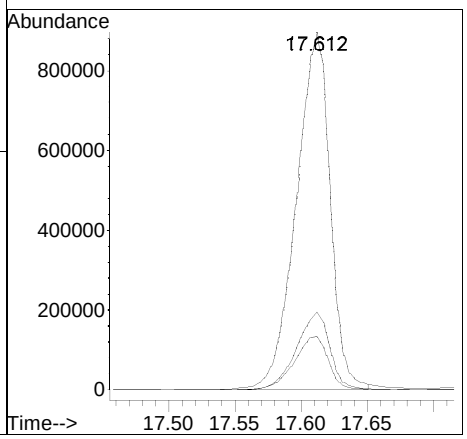


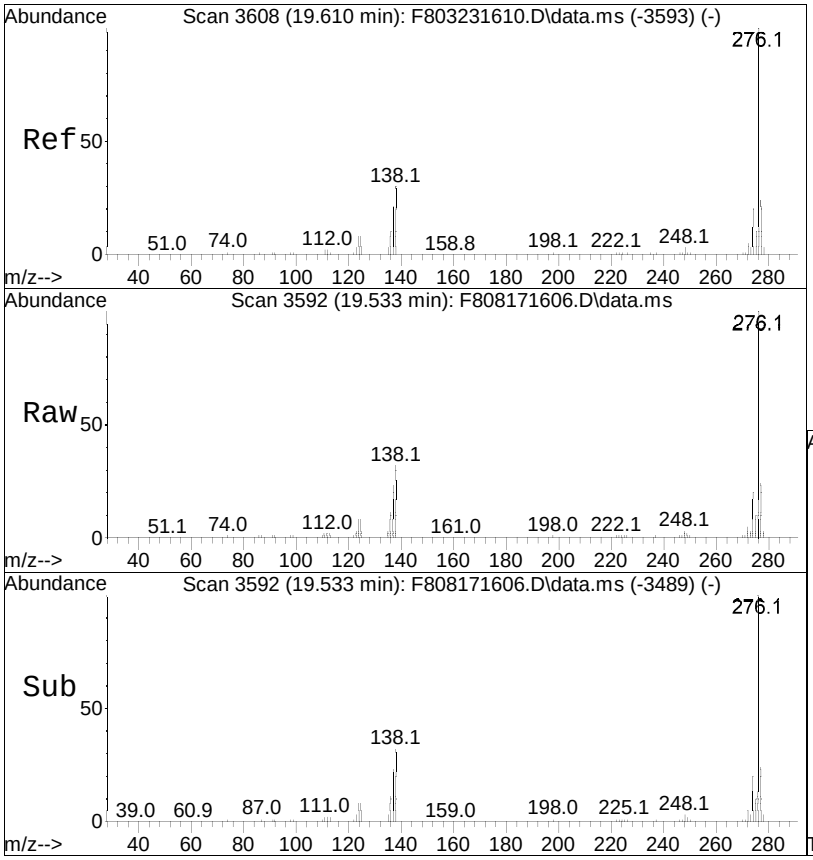


#89
Benzo[a]pyrene
Concen: 9.16 ug/mL
RT: 17.612 min Scan# 3193
Delta R.T. -0.014 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:252 Resp: 1581058

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	15.3	14.3	21.5

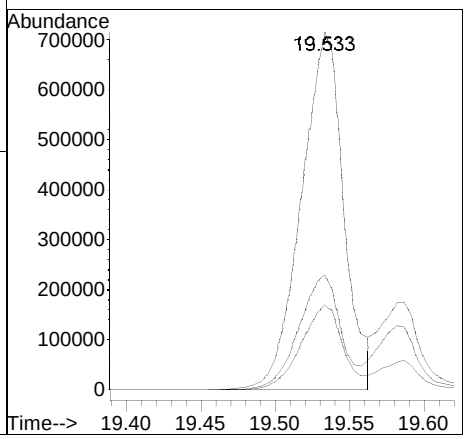


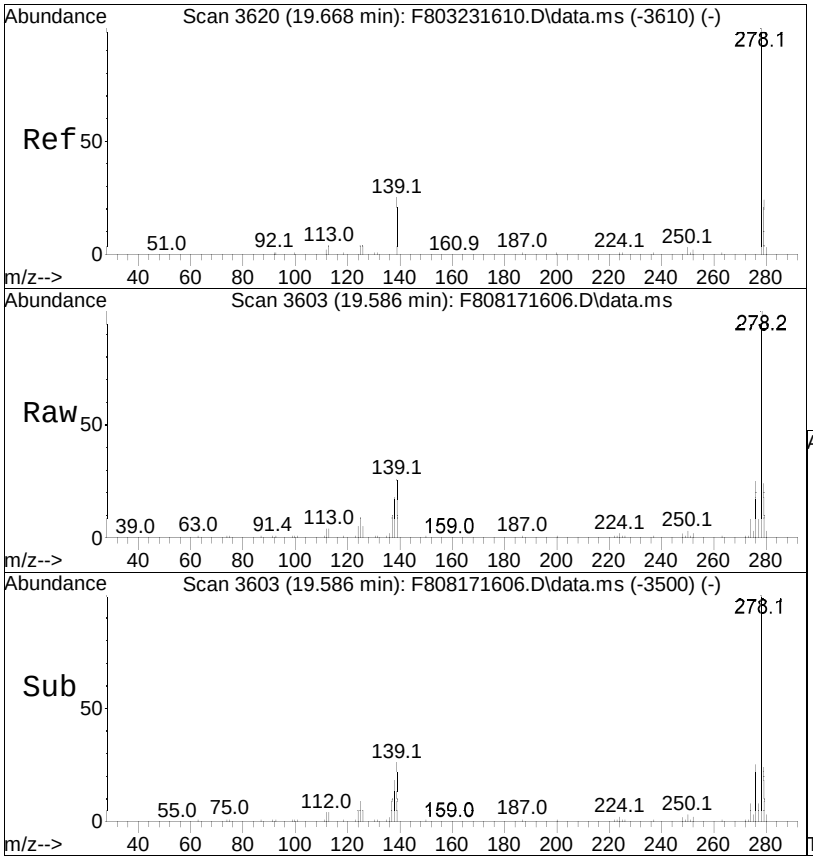


#90
Indeno[1,2,3-cd]pyrene
Concen: 9.96 ug/mL
RT: 19.533 min Scan# 3592
Delta R.T. -0.005 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:276 Resp: 1403387

Ion	Ratio	Lower	Upper
276	100		
138	33.5	28.2	42.2
277	24.0	19.4	29.0

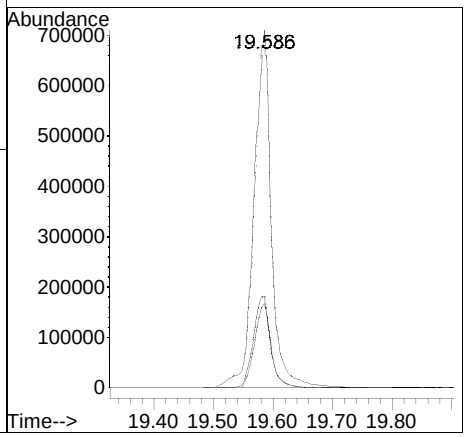


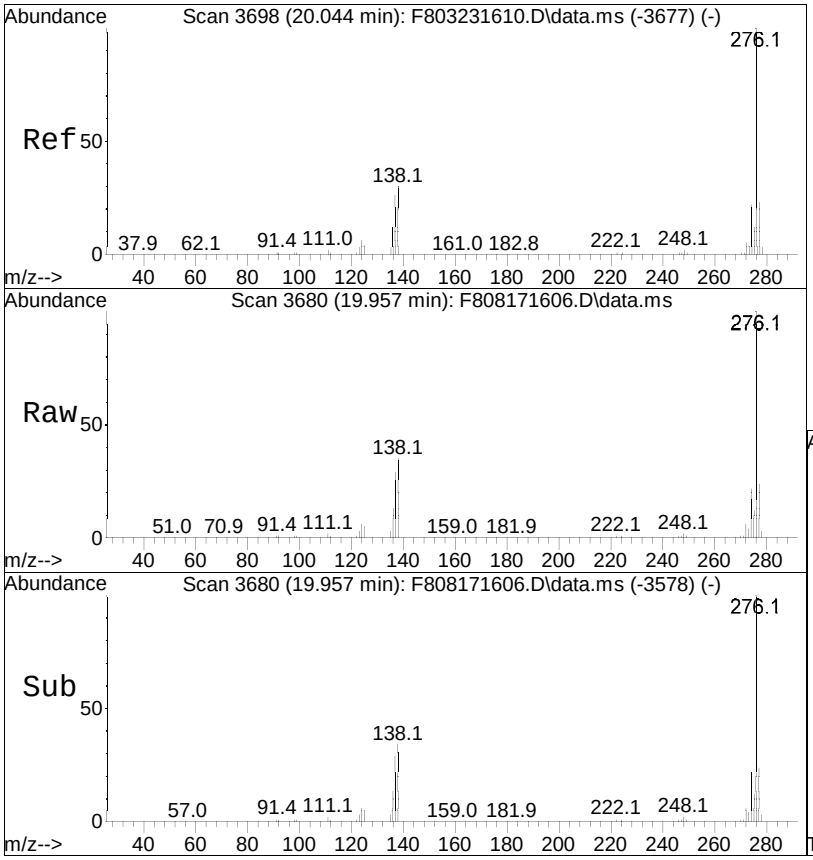


#91
Dibenz[a,h]anthracene
Concen: 10.03 ug/mL
RT: 19.586 min Scan# 3603
Delta R.T. -0.005 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:278 Resp: 1431765

Ion	Ratio	Lower	Upper
278	100		
139	25.3	23.4	35.0
279	23.5	19.4	29.0

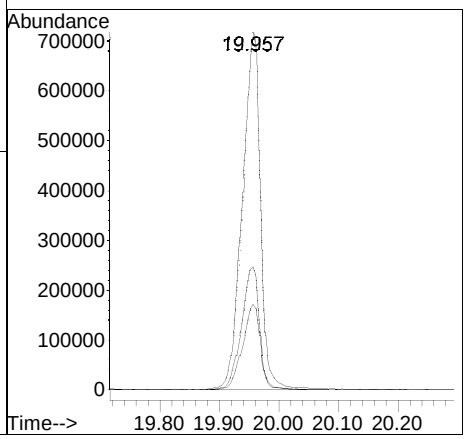




#92
Benzo[g,h,i]perylene
Concen: 9.47 ug/mL
RT: 19.957 min Scan# 3680
Delta R.T. -0.010 min
Lab File: F808171606.D
Acq: 17 Aug 2016 1:33 pm

Tgt Ion:276 Resp: 1501688

Ion	Ratio	Lower	Upper
276	100		
138	34.1	31.4	47.2
277	24.2	19.4	29.0



Matrix Spike / Matrix Spike Duplicate Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171611.D
Acq On : 17 Aug 2016 4:18 pm
Operator : BNA8:ML
Sample : WG923180-4
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 18 16:47:20 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.722	152	221381	5.000	ug/mL	0.00
21) Naphthalene-d8	5.882	136	817098	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.577	164	373604	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.368	188	700821	5.000	ug/mL	0.00
76) Chrysene-d12	14.612	240	619229	5.000	ug/mL	0.00
85) Perylene-d12	17.713	264	562349	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.672	112	467496M4	8.787	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 43.94%			
8) Phenol-d5	4.394	99	396338	6.150	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 30.75%			
22) Nitrobenzene-d5	5.218	82	843613	16.610	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 83.05%			
43) 2-Fluorobiphenyl	6.917	172	1512145	15.313	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 76.57%			
65) 2,4,6-Tribromophenol	8.444	330	187275	20.046	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 100.23%			
79) Terphenyl-d14	12.301	244	1630138	18.588	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 92.94%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.757	74	139087M1	4.889	ug/mL	
3) Pyridine	2.762	79	198516	3.668	ug/mL	93
5) Benzaldehyde	4.360	77	315034	7.234	ug/ml	87
6) Aniline	4.442	93	460967M6	5.608	ug/ml	
7) bis(2-Chloroethyl)ether	4.486	63	280785	7.799	ug/mL	94
9) Phenol	4.409	94	207440M4	3.100	ug/mL	
10) 2-Chlorophenol	4.543	128	411973	7.116	ug/mL	94
11) 1,3-Dichlorobenzene	4.673	146	229749	3.617	ug/mL	98
12) 1,4-Dichlorobenzene	4.736	146	237507M4	3.745	ug/mL	
13) 1,2-Dichlorobenzene	4.871	146	242979	4.032	ug/mL	99
14) Benzyl alcohol	4.837	108	234259	6.654	ug/mL	83
15) bis(2-chloroisopropyl)eth	4.953	45	506108	7.821	ug/mL#	64
16) 2-Methylphenol	4.929	108	281874	6.194	ug/mL	98
17) Acetophenone	5.078	105	545282	7.520	ug/ml#	72
18) Hexachloroethane	5.169	117	78881	3.054	ug/mL	100
19) N-Nitroso-di-n-propylamin	5.073	70	291388	8.191	ug/mL#	89
20) 4-Methylphenol	5.068	108	289136	5.831	ug/mL	98

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171611.D
Acq On : 17 Aug 2016 4:18 pm
Operator : BNA8:ML
Sample : WG923180-4
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 18 16:47:20 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	5.232	77	414148	8.116	ug/mL	93
24) Isophorone	5.449	82	706009	8.842	ug/mL	97
25) 2-Nitrophenol	5.521	139	240559	8.233	ug/mL#	86
26) 2,4-Dimethylphenol	5.555	107	283474	6.154	ug/mL	96
27) Benzoic acid	5.670	105	660551	18.323	ug/mL	94
28) bis(2-Chloroethoxy)methan	5.641	93	487603	8.313	ug/mL#	95
29) 2,4-Dichlorophenol	5.747	162	350868	8.115	ug/mL	98
30) 1,2,4-Trichlorobenzene	5.824	180	189027	4.095	ug/mL	99
31) Naphthalene	5.901	128	821398	5.504	ug/mL	99
32) 2-Chloroaniline	5.487	127	568373	7.534	ug/ml	99
33) 4-Chloroaniline	5.949	127	430355	6.729	ug/mL	99
34) Hexachlorobutadiene	6.012	225	73117	3.096	ug/mL	100
35) Caprolactam	6.272	113	45978	2.895	ug/ml#	78
36) 4-Chloro-3-methylphenol	6.412	107	363420	8.750	ug/mL	96
37) 2-Methylnaphthalene	6.561	142	519024	5.241	ug/mL	98
39) 1,2,4,5-Tetrachlorobenzen	6.720	216	180194	4.298	ug/mL	99
40) Hexachlorocyclopentadiene	6.705	237	61939	2.989	ug/mL	99
41) 2,4,6-Trichlorophenol	6.835	196	249540M4	8.557	ug/mL	
42) 2,4,5-Trichlorophenol	6.869	196	267710M4	9.112	ug/mL	
44) Biphenyl	7.014	154	774291	6.505	ug/ml#	98
45) 2-Chloronaphthalene	7.033	162	486015	5.502	ug/mL	95
46) 2-Nitroaniline	7.134	65	234331	9.717	ug/mL	83
47) Acenaphthylene	7.437	152	1025482	7.096	ug/mL	99
48) Dimethylphthalate	7.307	163	899199	9.332	ug/mL	100
49) 2,6-Dinitrotoluene	7.370	165	213183	9.503	ug/mL	97
50) Acenaphthene	7.611	153	584980	6.547	ug/mL	98
51) 3-Nitroaniline	7.538	138	211827	8.193	ug/mL	86
52) 2,4-Dinitrophenol	7.644	184	149739	8.711	ug/mL	93
53) Dibenzofuran	7.789	168	824255	7.024	ug/mL	97
54) 2,3,4,6-Tetrachlorophenol	7.919	232	187922	9.037	ug/mL	99
55) 2,4-Dinitrotoluene	7.774	165	286013	9.886	ug/mL#	73
56) 4-Nitrophenol	7.712	109	53639	4.238	ug/mL	87
57) Fluorene	8.160	166	717828	7.648	ug/mL	100
58) 4-Chlorophenyl-phenylethe	8.160	204	284996	6.656	ug/mL	95
59) Diethylphthalate	8.034	149	983779	9.911	ug/mL	99
60) 4-Nitroaniline	8.189	138	246660M4	9.474	ug/mL	
62) 4,6-Dinitro-2-methylpheno	8.222	198	178572	9.357	ug/mL	97
63) Azobenzene	8.347	182	217484	8.065	ug/mL	83
64) n-Nitrosodiphenylamine	8.299	169	617162	9.074	ug/mL	98
66) 4-Bromophenyl-phenylether	8.757	248	174486	7.268	ug/mL	94
67) Hexachlorobenzene	8.829	284	193274	7.870	ug/mL	95

Quantitation Report (QT Reviewed)

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Data File : F808171611.D
Acq On : 17 Aug 2016 4:18 pm
Operator : BNA8:ML
Sample : WG923180-4
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 18 16:47:20 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Atrazine	8.983	200	255061	9.315	ug/ml	97
69) Pentachlorophenol	9.099	266	151842	8.340	ug/mL	96
70) Pentachloronitrobenzene	9.113	237	102860	9.771	ug/ml	91
71) Phenanthrene	9.407	178	1153127	8.172	ug/mL	100
72) Anthracene	9.479	178	1212841	8.668	ug/mL	99
73) Carbazole	9.739	167	1240477	9.384	ug/mL	99
74) Di-n-butylphthalate	10.355	149	1672380	10.079	ug/mL	99
75) Fluoranthene	11.453	202	1366462	9.085	ug/mL	94
77) Benzidine	11.776	184	91779	0.923	ug/mL	99
78) Pyrene	11.896	202	1441420	9.589	ug/mL	94
80) Butylbenzylphthalate	13.476	149	764983	9.730	ug/mL	94
81) 3,3'-Dichlorobenzidine	14.622	252	302037	6.163	ug/mL	99
82) Benz[a]anthracene	14.593	228	1244655	9.501	ug/mL	100
83) Chrysene	14.675	228	1207706M4	9.163	ug/mL	
84) bis(2-Ethylhexyl)phthalat	14.944	149	1035929	10.005	ug/mL	99
86) Di-n-octylphthalate	16.461	149	1776113	9.421	ug/mL	99
87) Benzo[b]fluoranthene	16.981	252	1147103	9.570	ug/mL	97
88) Benzo[k]fluoranthene	17.039	252	1105146M4	9.275	ug/mL	
89) Benzo[a]pyrene	17.607	252	1059236	9.077	ug/mL	97
90) Indeno[1,2,3-cd]pyrene	19.529	276	892925	9.369	ug/mL	98
91) Dibenz[a,h]anthracene	19.577	278	904271	9.369	ug/mL	96
92) Benzo[g,h,i]perylene	19.948	276	990966	9.247	ug/mL	94

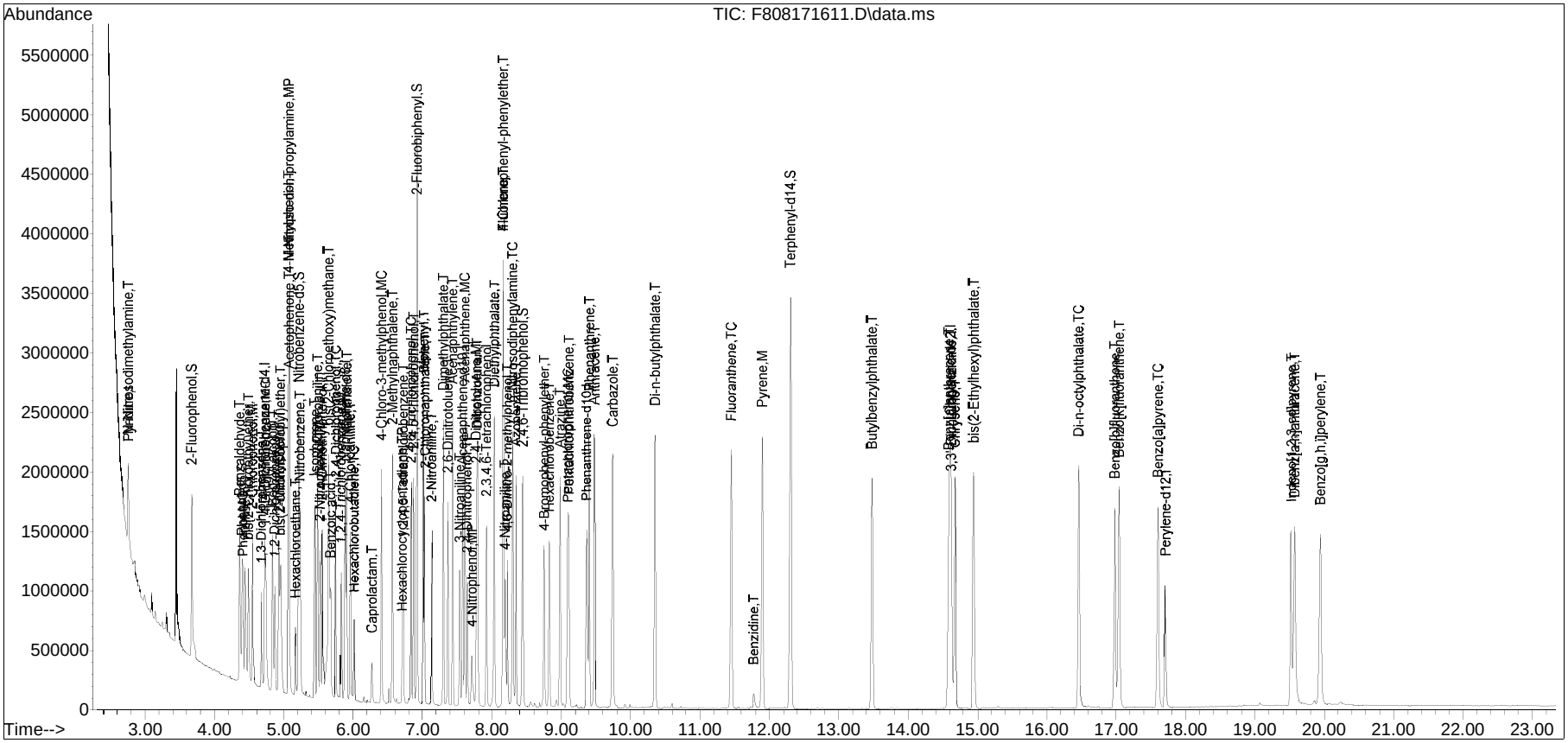
(#) = qualifier out of range (m) = manual integration (+) = signals summed

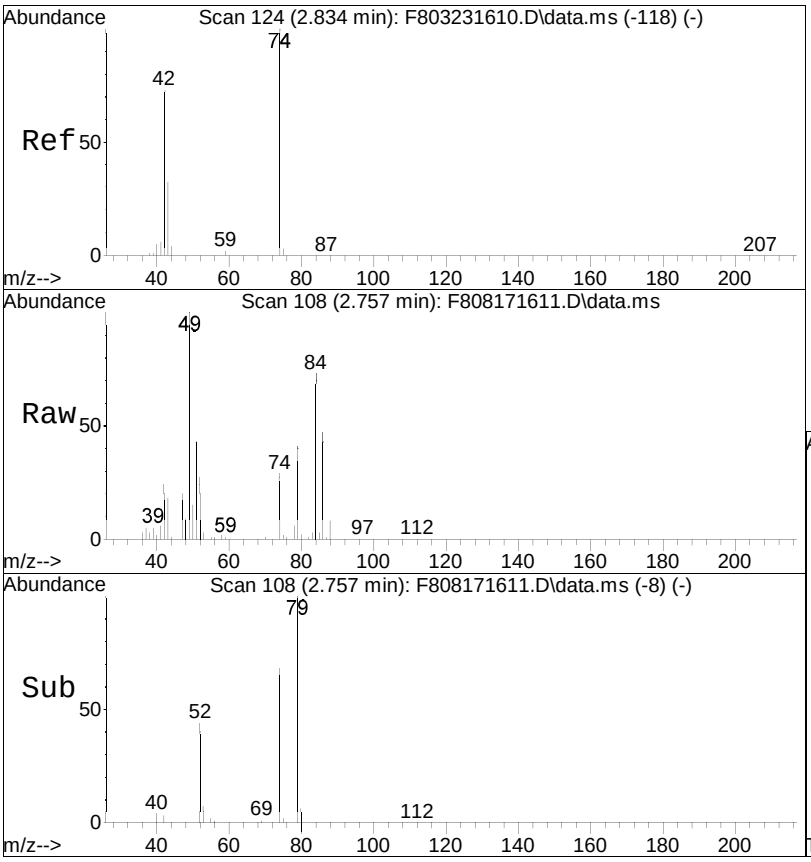
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171611.D
Acq On : 17 Aug 2016 4:18 pm
Operator : BNA8:ML
Sample : WG923180-4
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 18 16:47:20 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

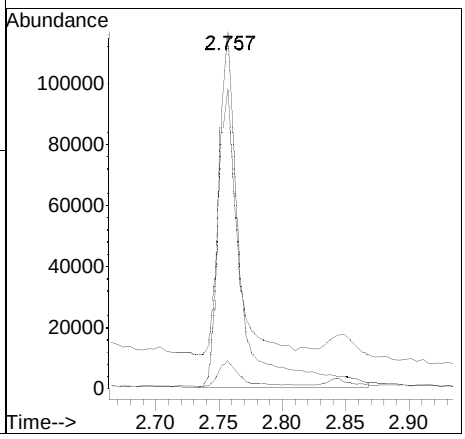


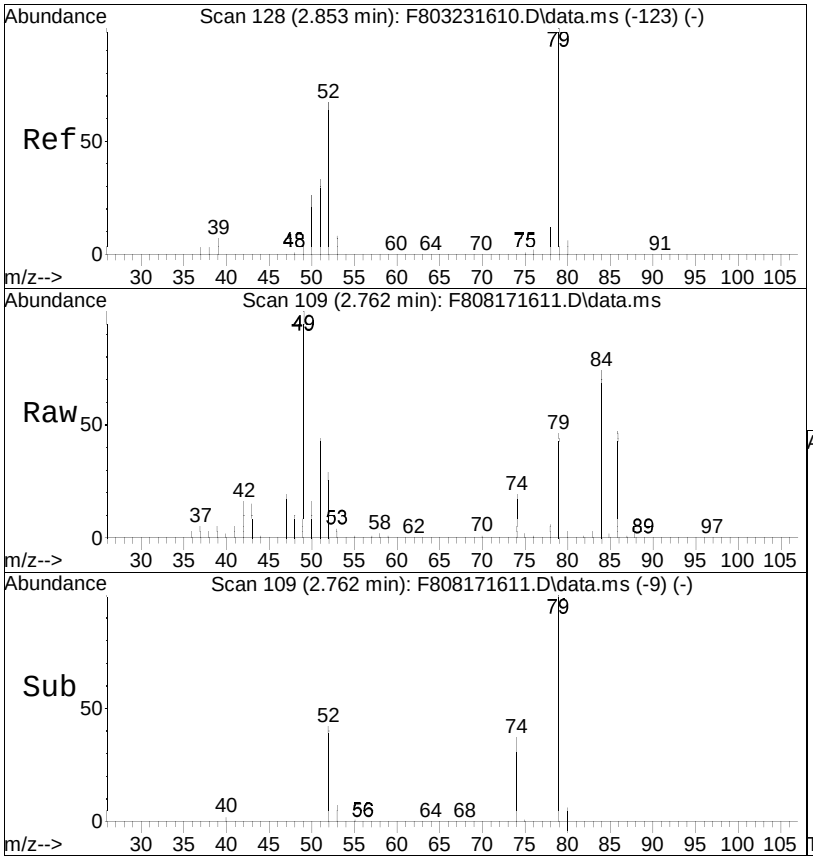


#2
N-Nitrosodimethylamine
Concen: 4.89 ug/mL M1
RT: 2.757 min Scan# 108
Delta R.T. -0.019 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion: 74 Resp: 139087

Ion	Ratio	Lower	Upper
74	100		
42	69.5	43.8	65.6#
40	7.5	4.2	6.4#

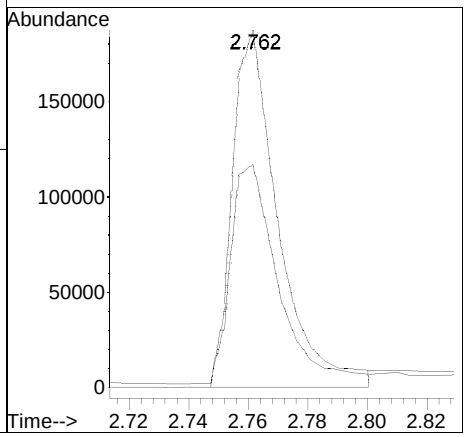


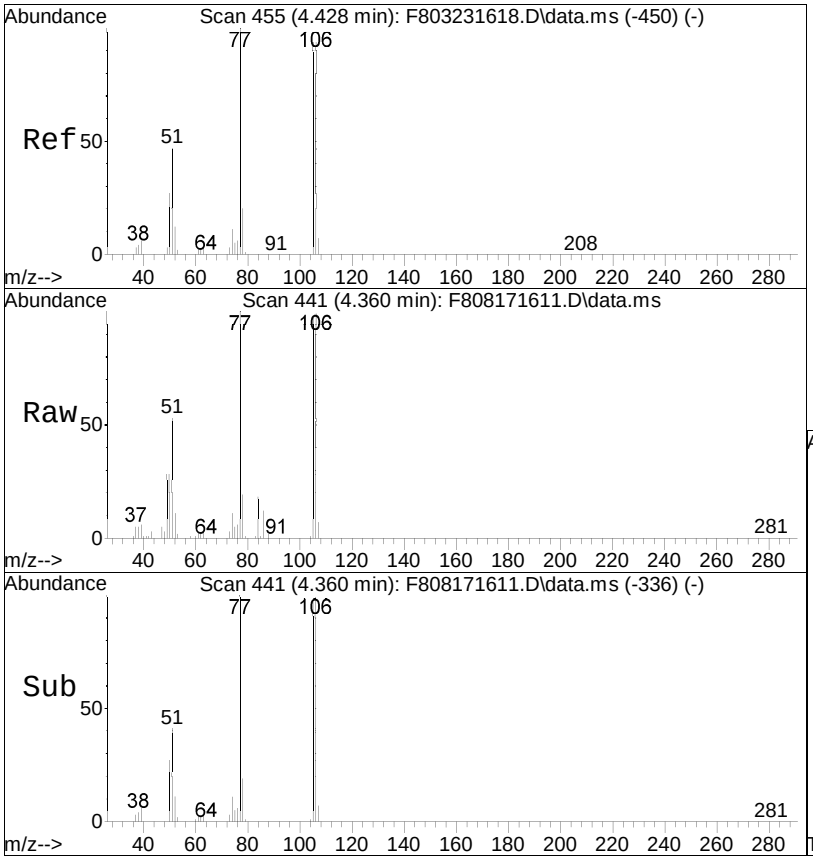


#3
Pyridine
Concen: 3.67 ug/mL
RT: 2.762 min Scan# 109
Delta R.T. -0.019 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion: 79 Resp: 198516

Ion	Ratio	Lower	Upper
79	100		
52	63.8	46.6	69.8

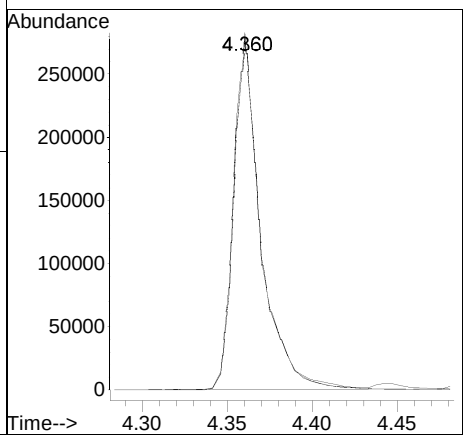


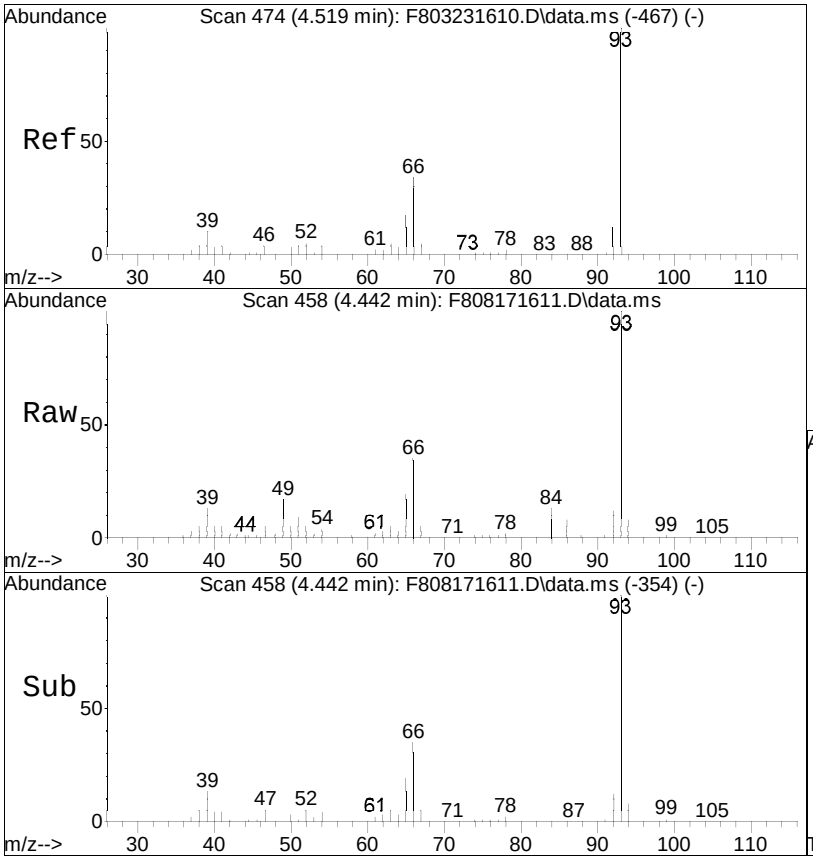


#5
Benzaldehyde
Concen: 7.23 ug/ml
RT: 4.360 min Scan# 441
Delta R.T. 0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion: 77 Resp: 315034

Ion	Ratio	Lower	Upper
77	100		
105	97.3	88.1	132.1
106	98.2	89.8	134.8

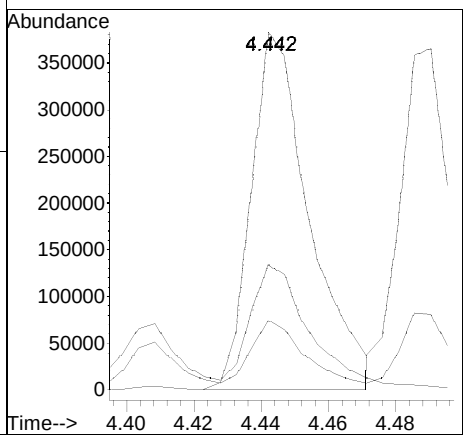


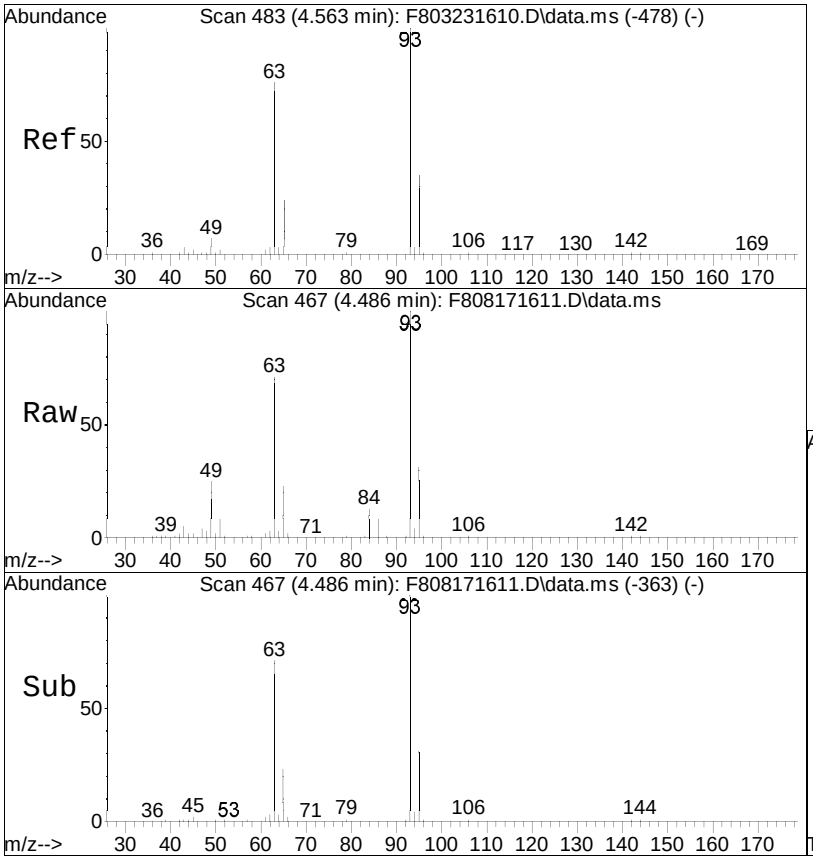


#6
Aniline
Concen: 5.61 ug/ml M6
RT: 4.442 min Scan# 458
Delta R.T. 0.000 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion: 93 Resp: 460967

Ion	Ratio	Lower	Upper
93	100		
66	39.0	26.7	40.1
65	18.8	14.2	21.4

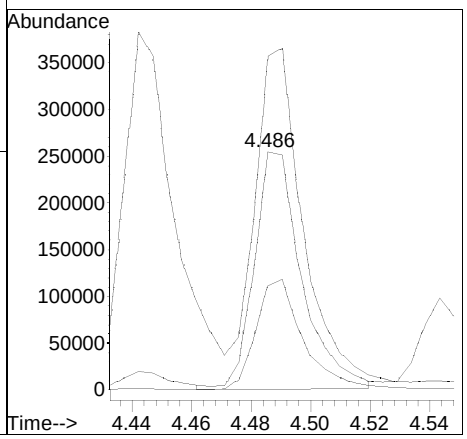


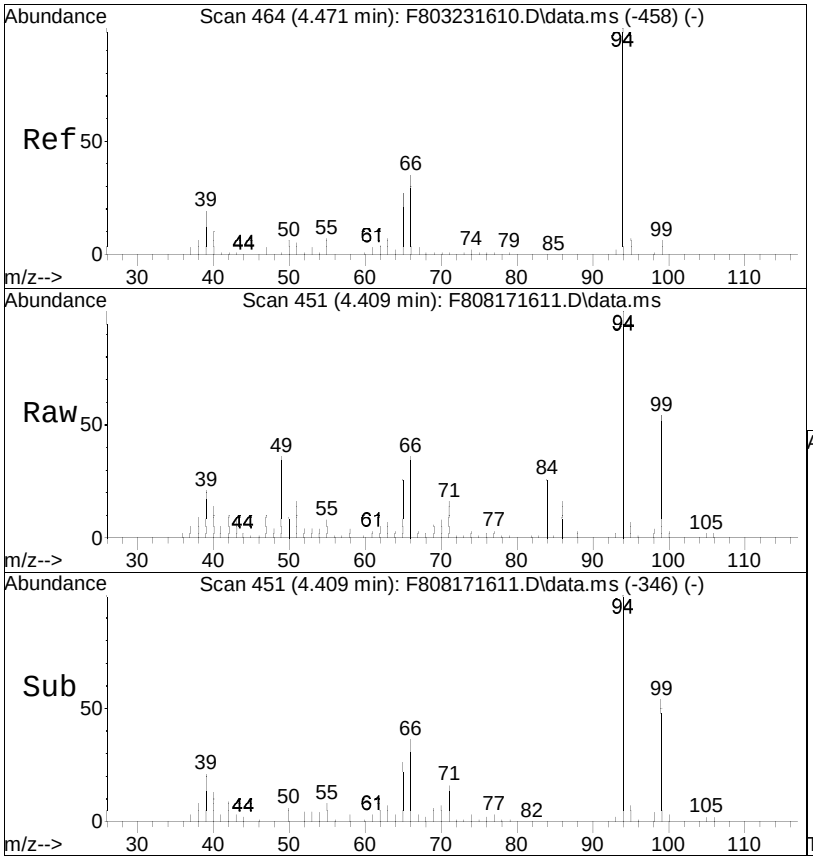


#7
bis(2-Chloroethyl)ether
Concen: 7.80 ug/mL
RT: 4.486 min Scan# 467
Delta R.T. 0.000 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion: 63 Resp: 280785

Ion	Ratio	Lower	Upper
63	100		
93	145.7	123.0	184.4
95	47.1	41.1	61.7

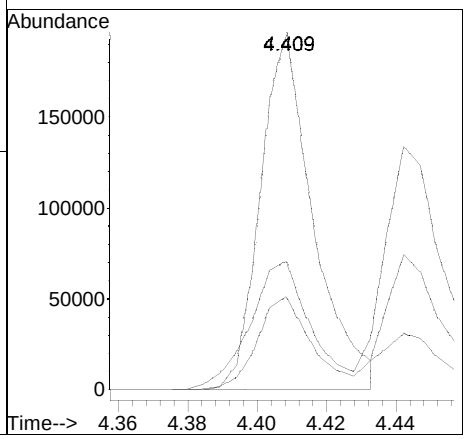


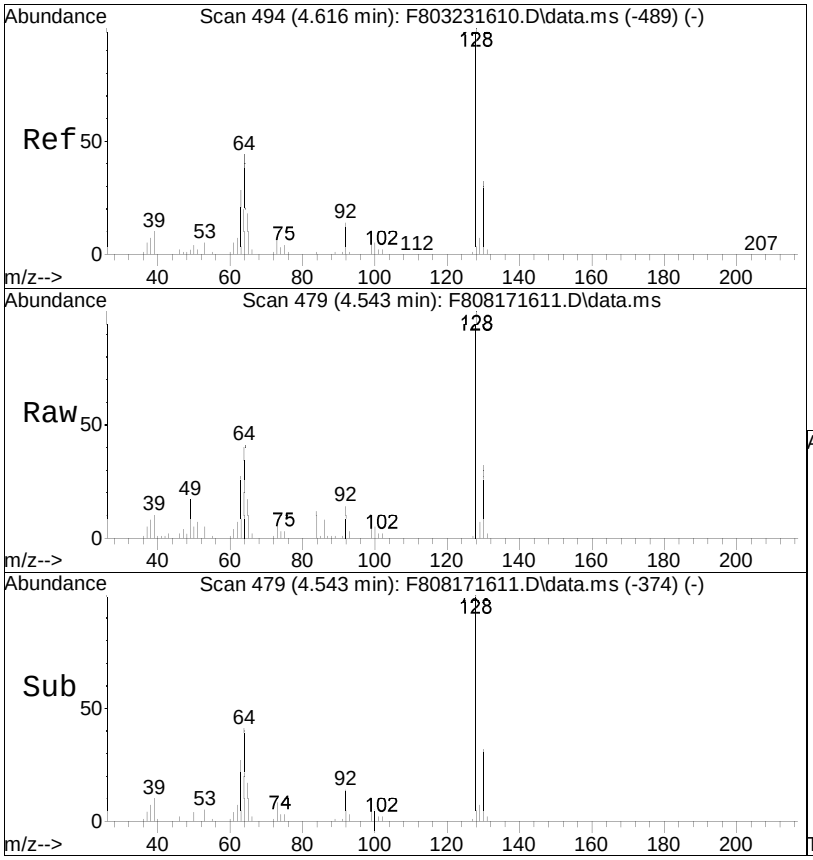


#9
Phenol
Concen: 3.10 ug/mL M4
RT: 4.409 min Scan# 451
Delta R.T. 0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion: 94 Resp: 207440

Ion	Ratio	Lower	Upper
94	100		
66	40.4	21.7	32.5#
65	26.2	17.6	26.4

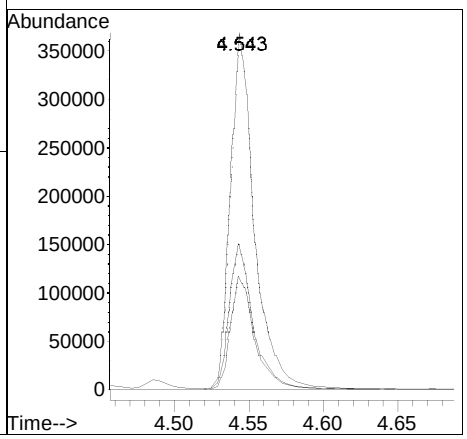


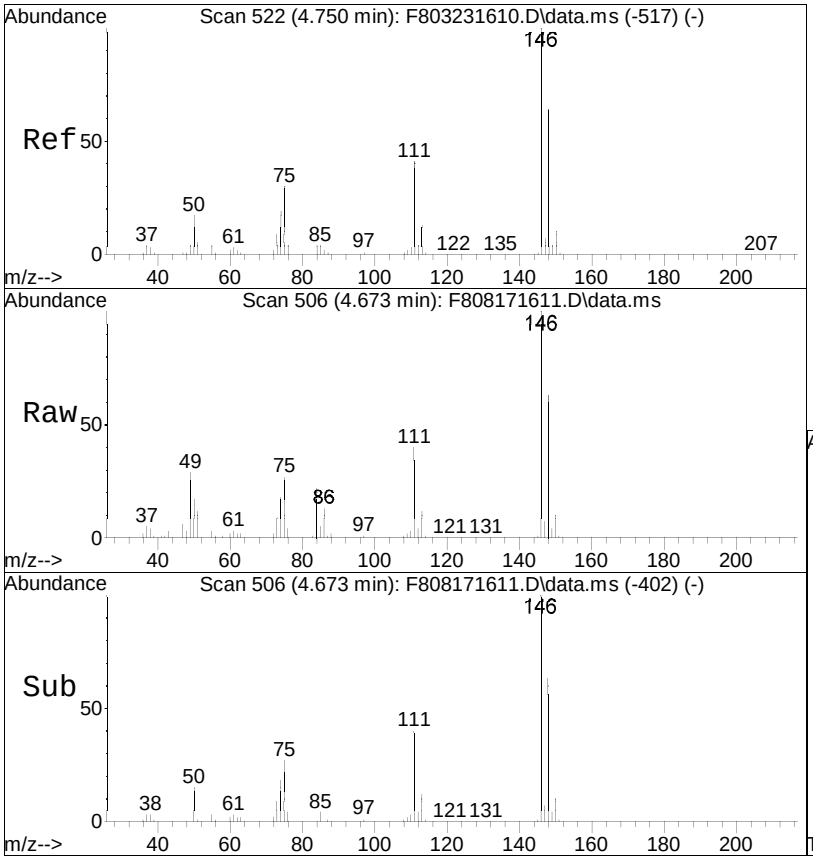


#10
2-Chlorophenol
Concen: 7.12 ug/mL
RT: 4.543 min Scan# 479
Delta R.T. 0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:128 Resp: 411973

Ion	Ratio	Lower	Upper
128	100		
64	41.1	27.6	41.4
130	32.3	26.2	39.4

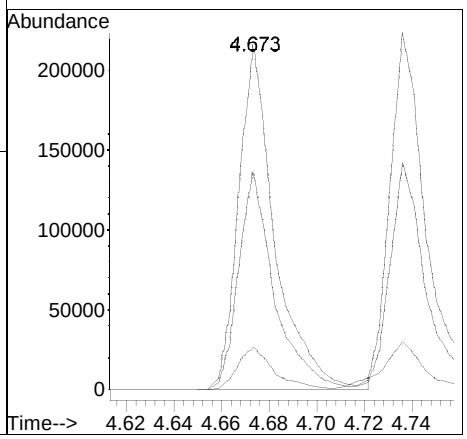


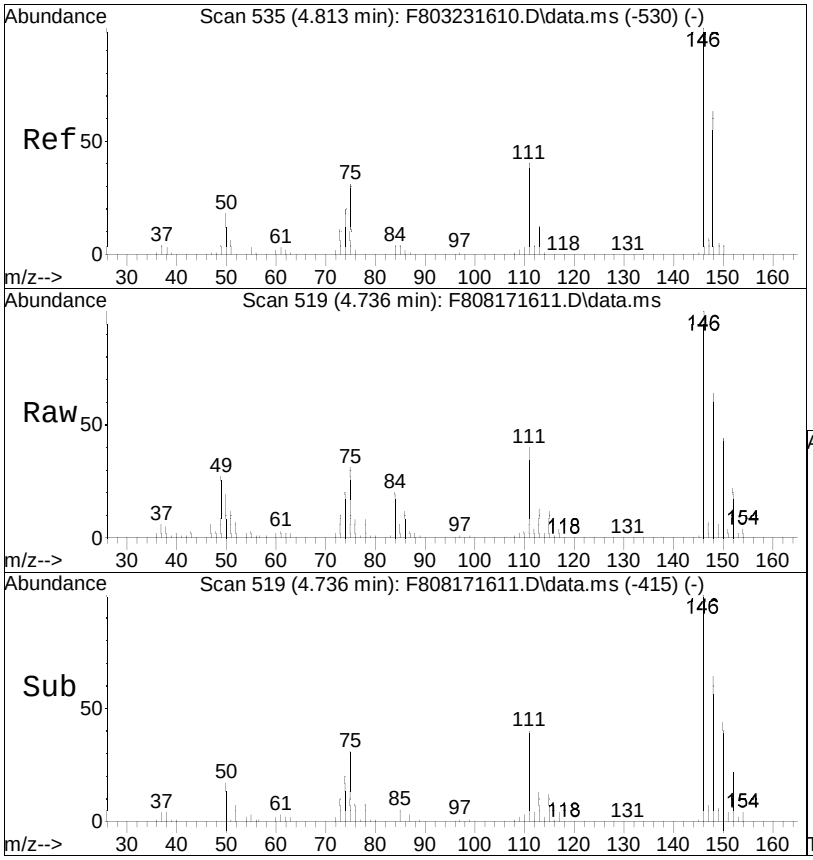


#11
1,3-Dichlorobenzene
Concen: 3.62 ug/mL
RT: 4.673 min Scan# 506
Delta R.T. 0.000 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:146 Resp: 229749

Ion	Ratio	Lower	Upper
146	100		
148	61.7	51.0	76.6
113	12.5	9.7	14.5

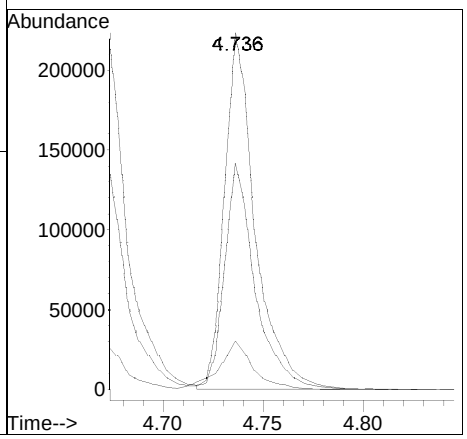


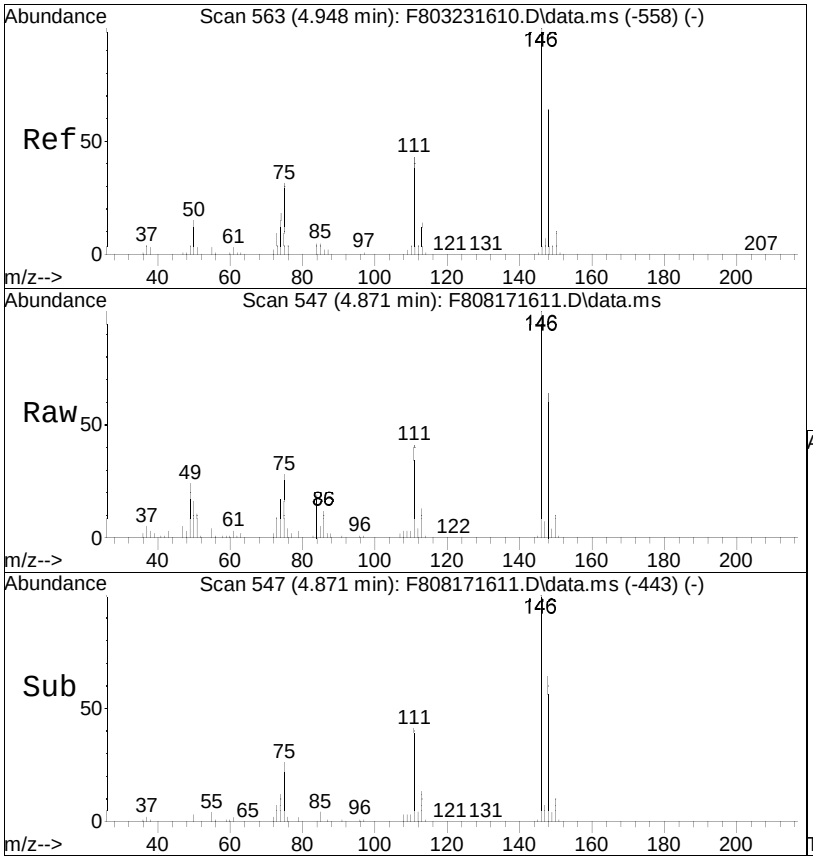


#12
1,4-Dichlorobenzene
Concen: 3.75 ug/mL M4
RT: 4.736 min Scan# 519
Delta R.T. 0.000 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:146 Resp: 237507

Ion	Ratio	Lower	Upper
146	100		
148	60.0	51.2	76.8
113	12.3	9.1	13.7

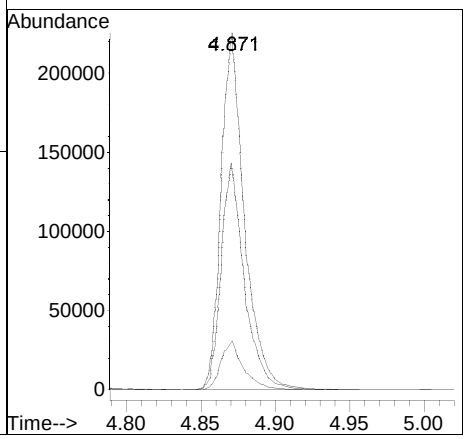


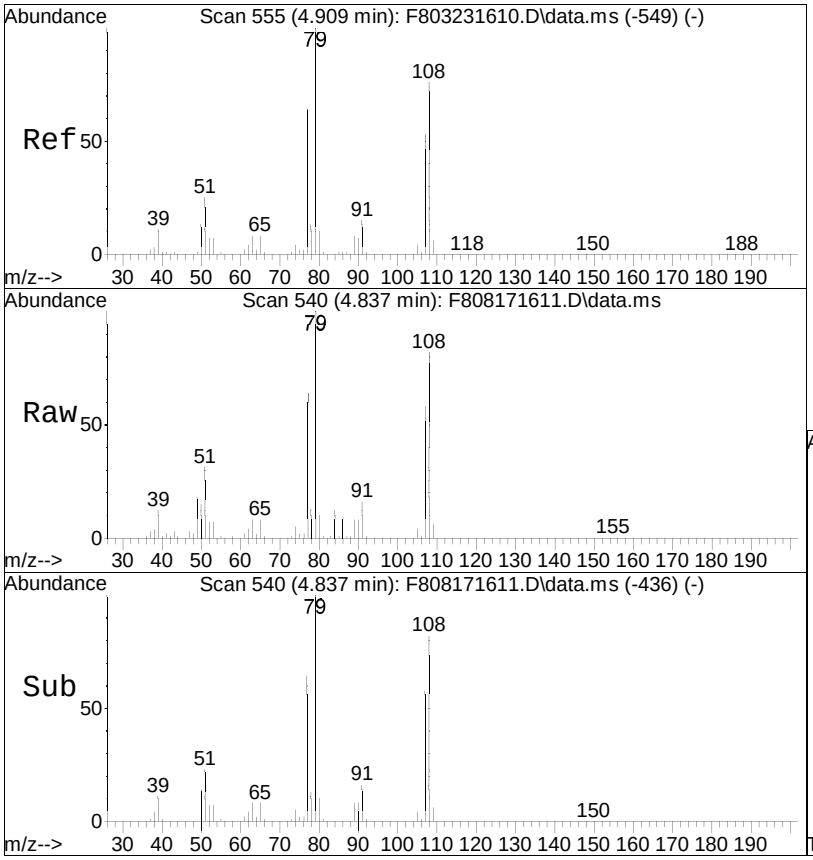


#13
1,2-Dichlorobenzene
Concen: 4.03 ug/mL
RT: 4.871 min Scan# 547
Delta R.T. 0.000 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:146 Resp: 242979

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.0	76.6
113	13.2	10.0	15.0

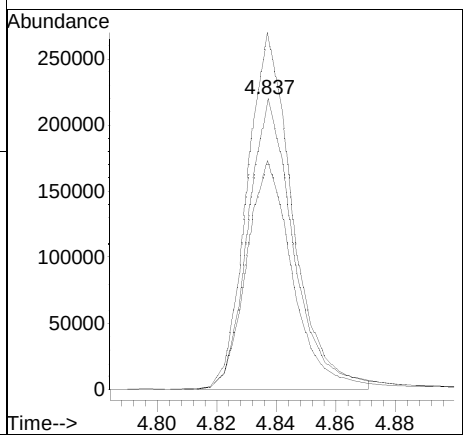


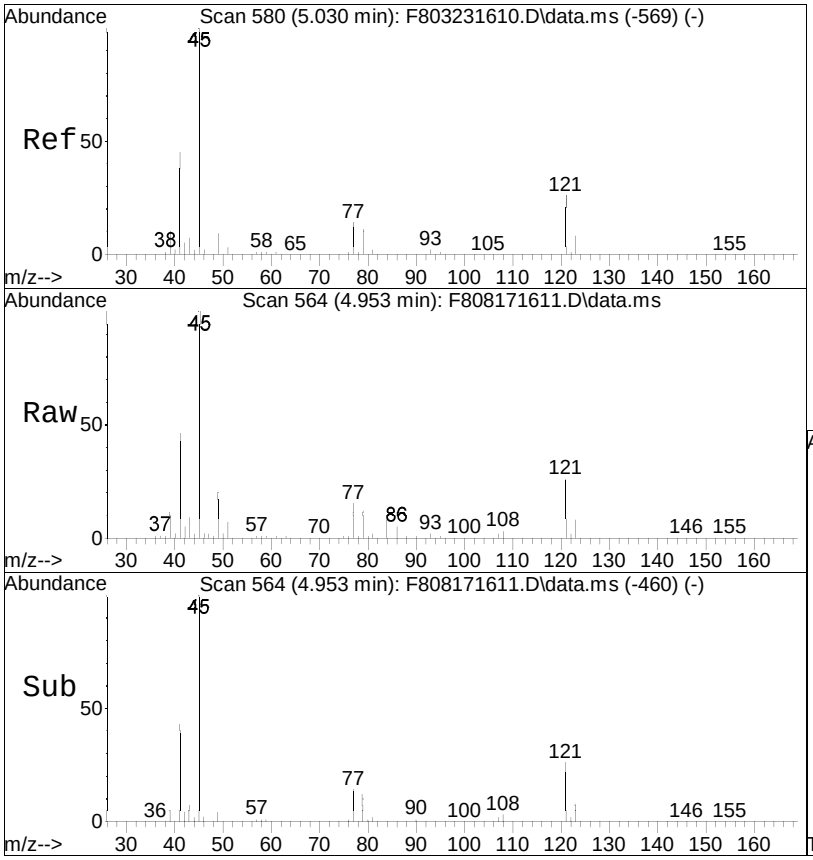


#14
Benzyl alcohol
Concen: 6.65 ug/mL
RT: 4.837 min Scan# 540
Delta R.T. 0.000 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:108 Resp: 234259

Ion	Ratio	Lower	Upper
108	100		
79	122.9	84.5	126.7
77	79.2	52.9	79.3

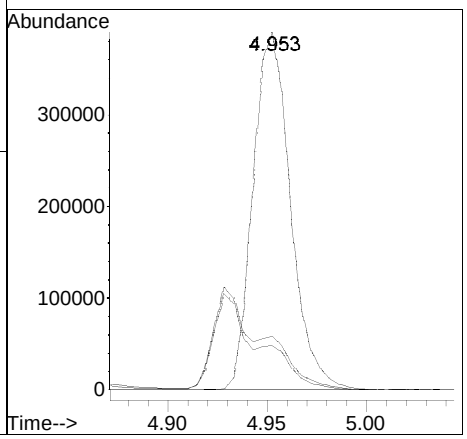


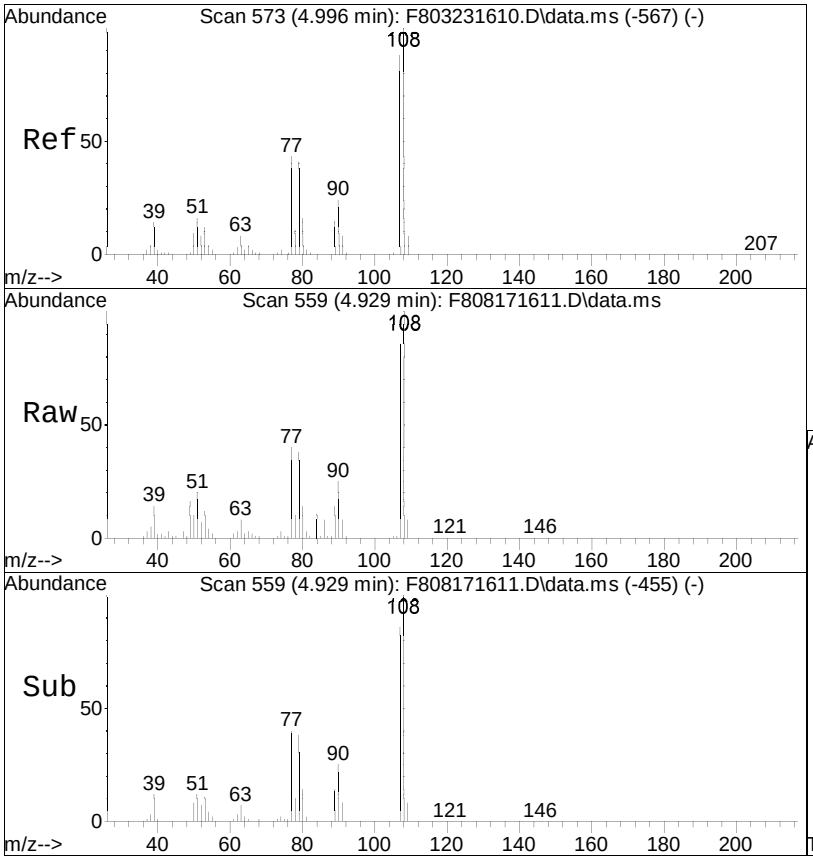


#15
bis(2-chloroisopropyl)ether
Concen: 7.82 ug/mL
RT: 4.953 min Scan# 564
Delta R.T. 0.000 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion: 45 Resp: 506108

Ion	Ratio	Lower	Upper
45	100		
77	0.0	13.2	19.8#
79	0.0	10.9	16.3#

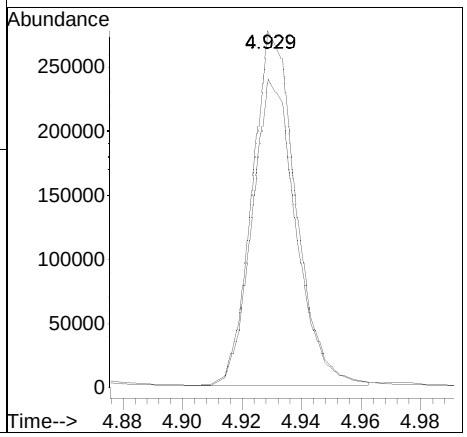


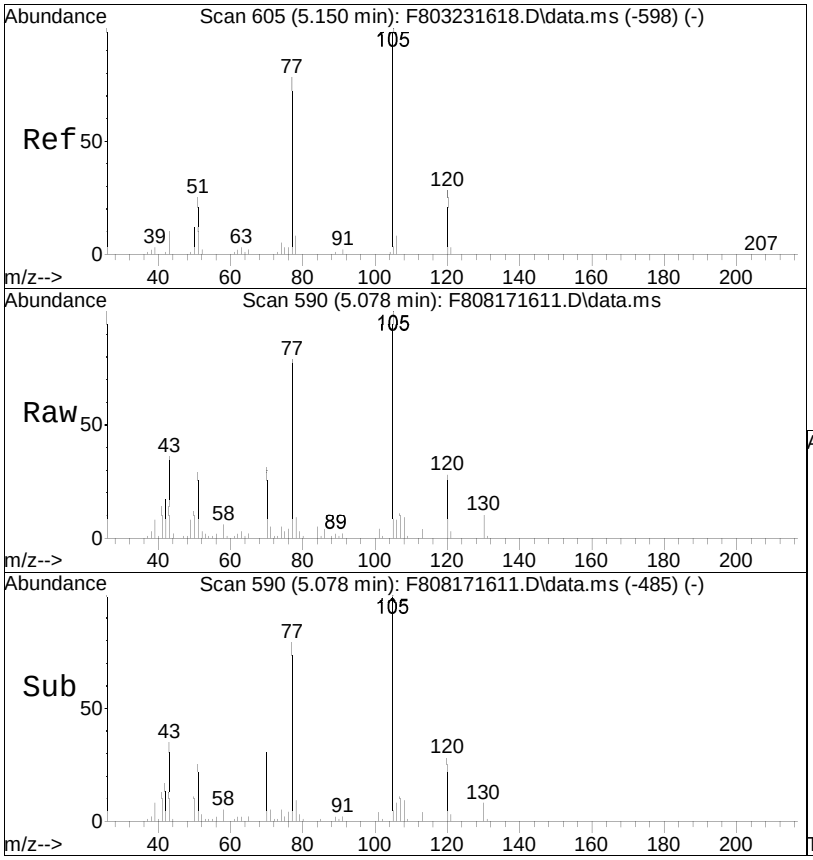


#16
2-Methylphenol
Concen: 6.19 ug/mL
RT: 4.929 min Scan# 559
Delta R.T. 0.000 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:108 Resp: 281874

Ion	Ratio	Lower	Upper
108	100		
107	87.3	68.1	102.1

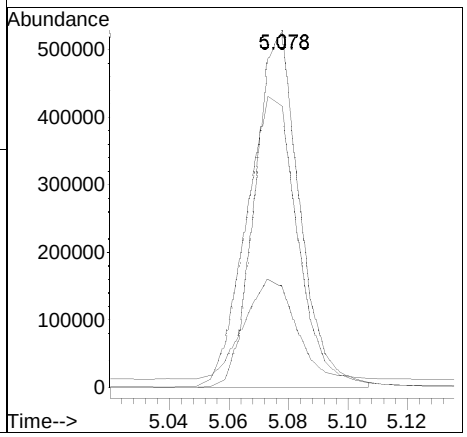


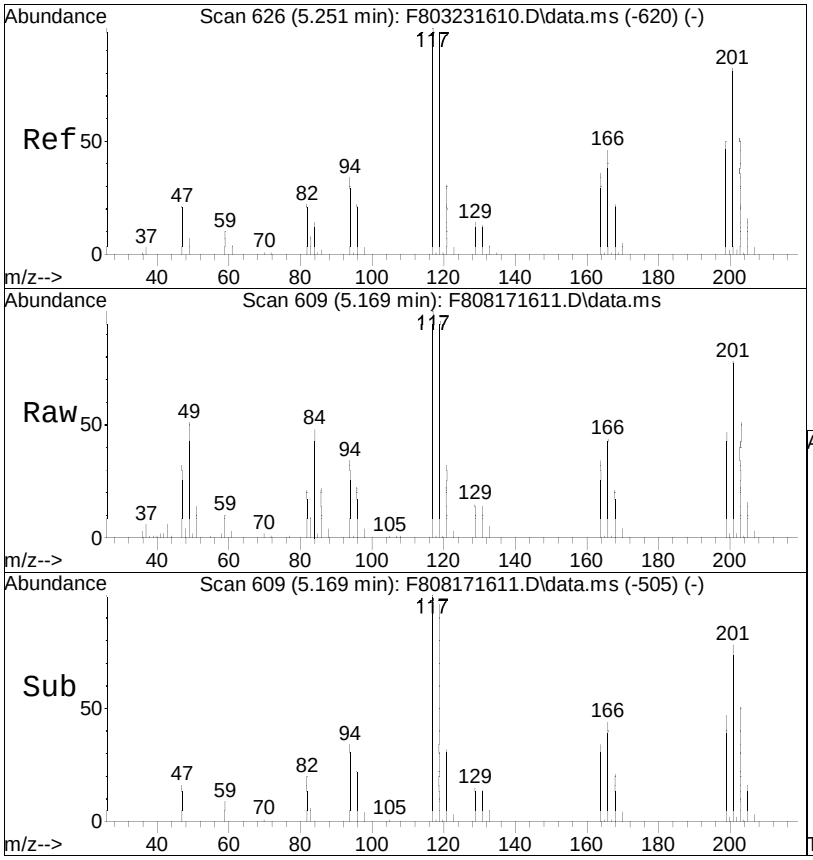


#17
Acetophenone
Concen: 7.52 ug/ml
RT: 5.078 min Scan# 590
Delta R.T. 0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:105 Resp: 545282

Ion	Ratio	Lower	Upper
105	100		
77	95.8	57.7	86.5#
51	33.2	17.1	25.7#

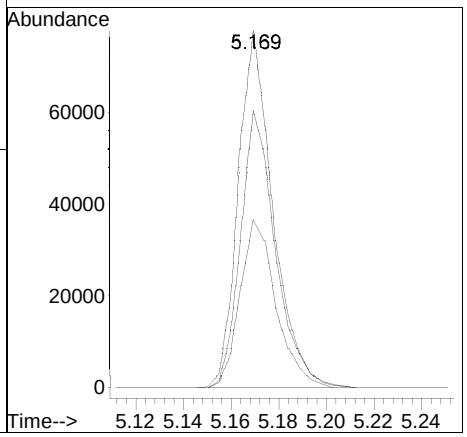


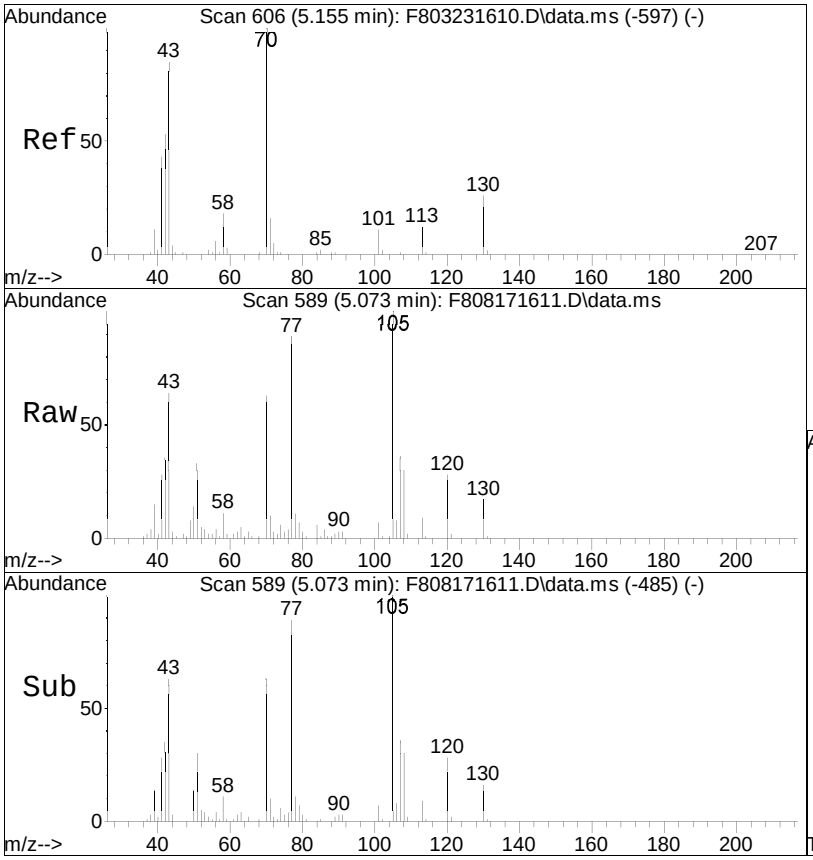


#18
Hexachloroethane
Concen: 3.05 ug/mL
RT: 5.169 min Scan# 609
Delta R.T. 0.000 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:117 Resp: 78881

Ion	Ratio	Lower	Upper
117	100		
201	78.0	62.8	94.2
199	48.9	39.0	58.4

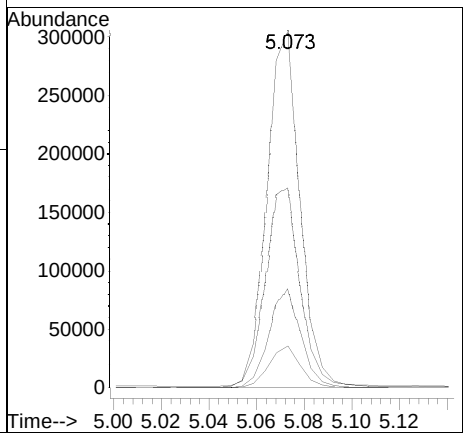


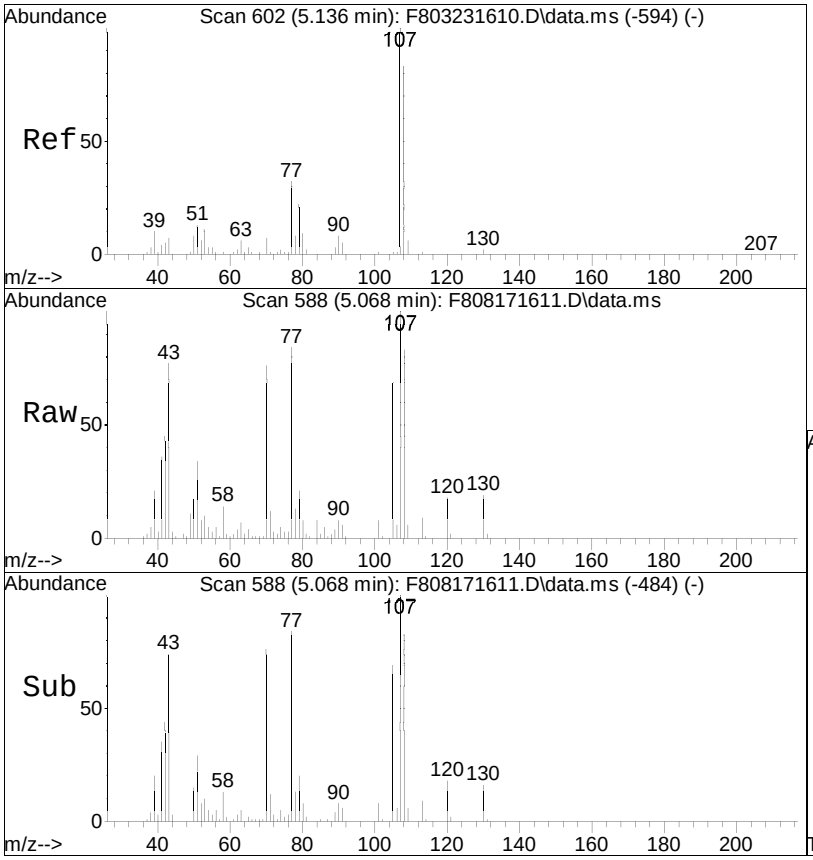


#19
N-Nitroso-di-n-propylamine
Concen: 8.19 ug/mL
RT: 5.073 min Scan# 589
Delta R.T. 0.000 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion: 70 Resp: 291388

Ion	Ratio	Lower	Upper
70	100		
42	57.9	37.1	55.7#
130	27.1	24.0	36.0
101	11.2	9.2	13.8

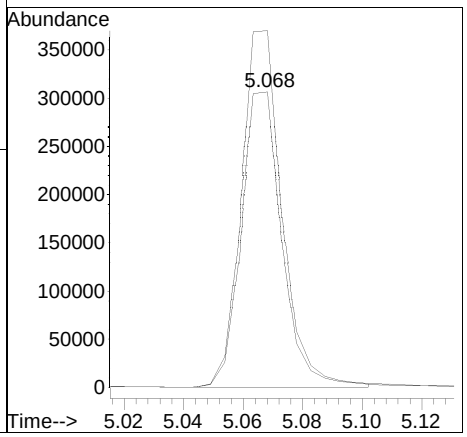


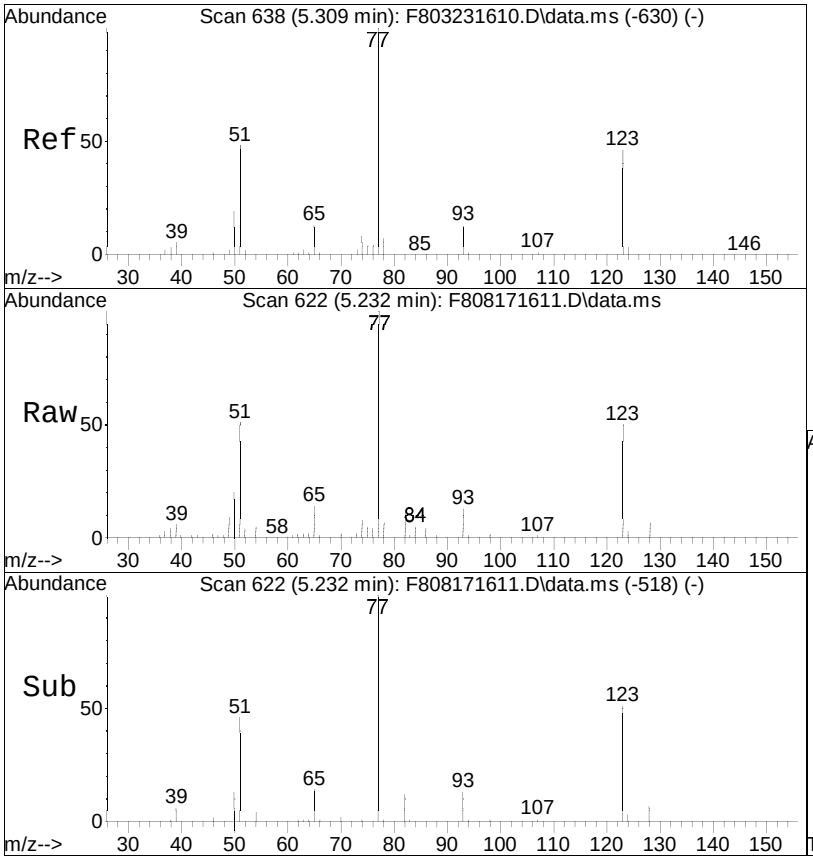


#20
4-Methylphenol
Concen: 5.83 ug/mL
RT: 5.068 min Scan# 588
Delta R.T. 0.000 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:108 Resp: 289136

Ion	Ratio	Lower	Upper
108	100		
107	120.7	94.6	142.0

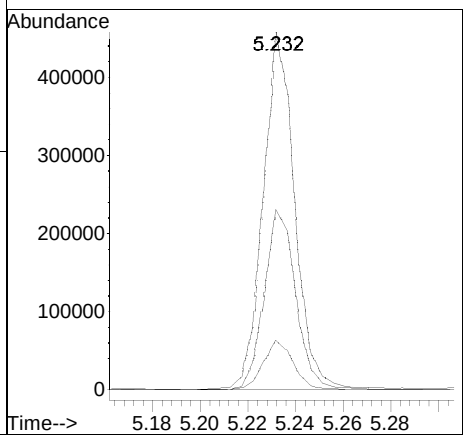


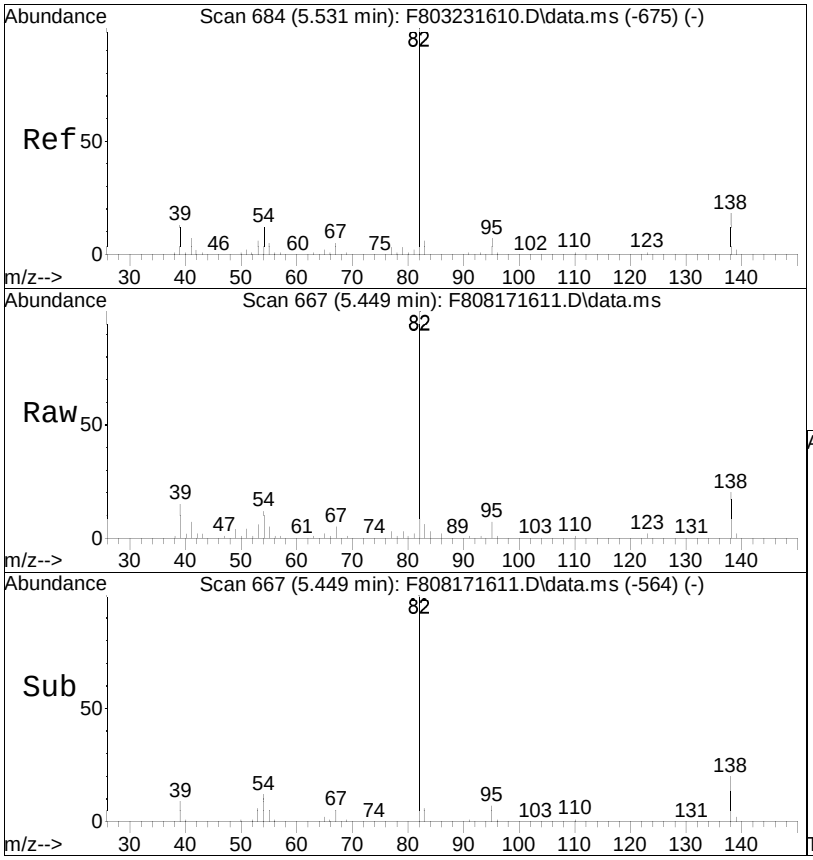


#23
Nitrobenzene
Concen: 8.12 ug/mL
RT: 5.232 min Scan# 622
Delta R.T. 0.000 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion: 77 Resp: 414148

Ion	Ratio	Lower	Upper
77	100		
123	51.0	45.4	68.2
65	13.7	10.2	15.4

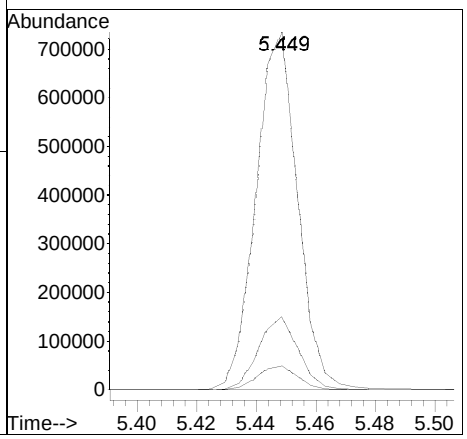


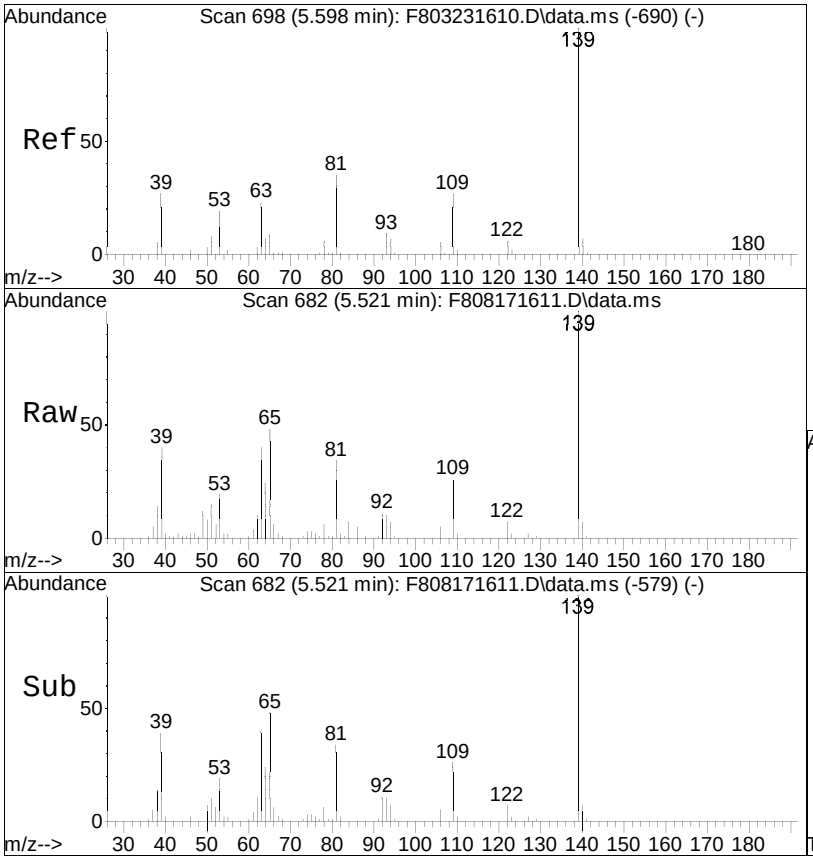


#24
Isophorone
Concen: 8.84 ug/mL
RT: 5.449 min Scan# 667
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion: 82 Resp: 706009

Ion	Ratio	Lower	Upper
82	100		
138	19.8	17.0	25.4
95	6.8	4.9	7.3

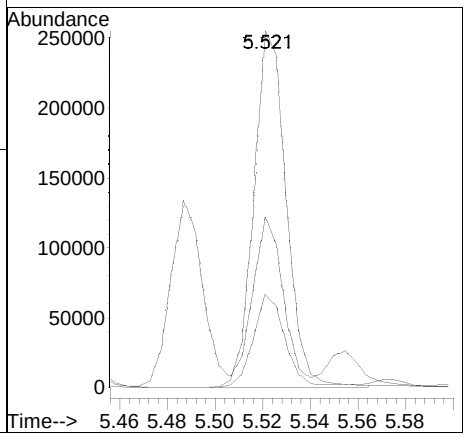


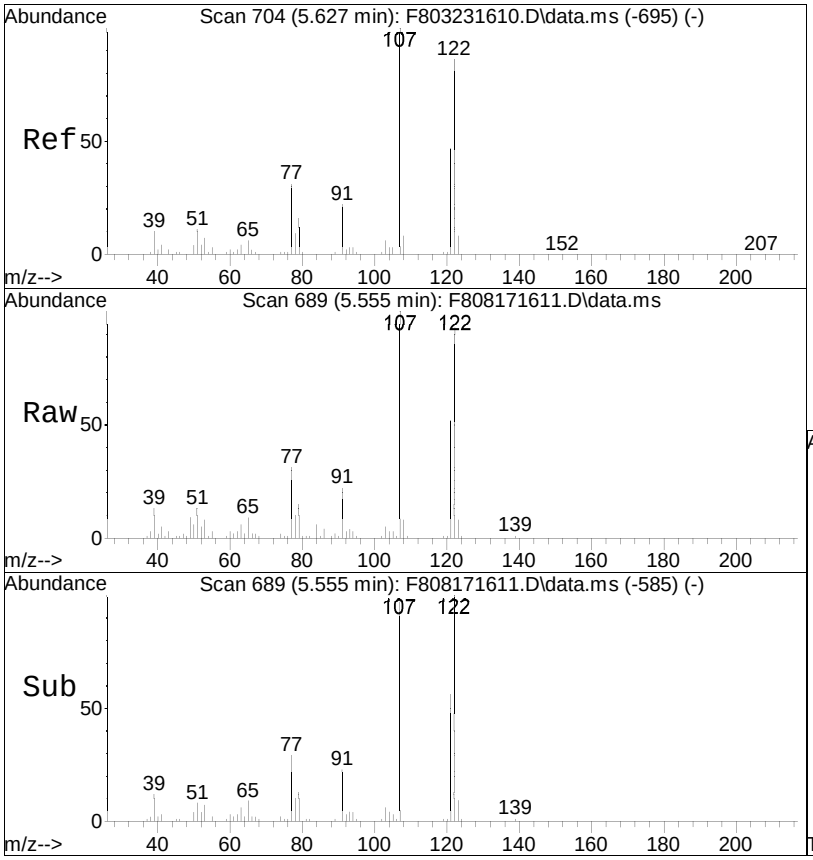


#25
2-Nitrophenol
Concen: 8.23 ug/mL
RT: 5.521 min Scan# 682
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:139 Resp: 240559

Ion	Ratio	Lower	Upper
139	100		
65	45.0	28.4	42.6#
109	25.7	16.3	24.5#

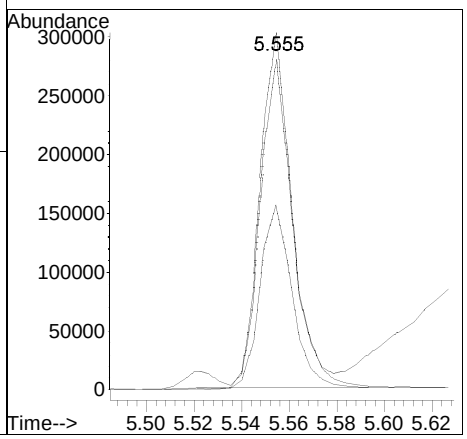


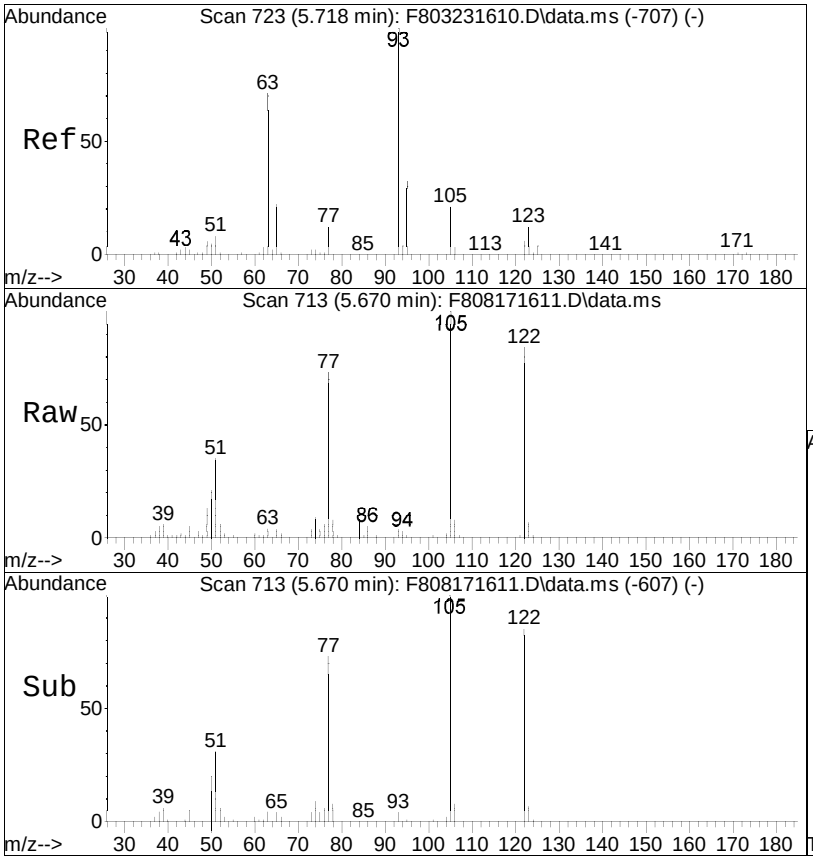


#26
2,4-Dimethylphenol
Concen: 6.15 ug/mL
RT: 5.555 min Scan# 689
Delta R.T. 0.000 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:107 Resp: 283474

Ion	Ratio	Lower	Upper
107	100		
122	93.4	78.4	117.6
121	52.2	43.0	64.6

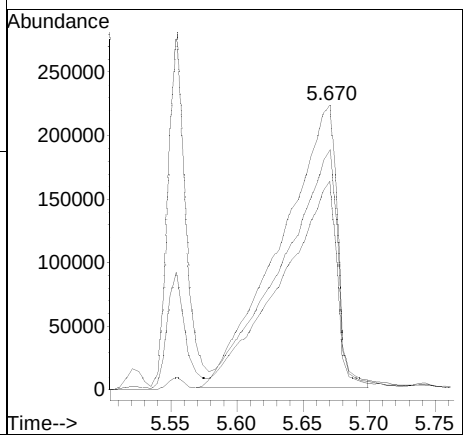


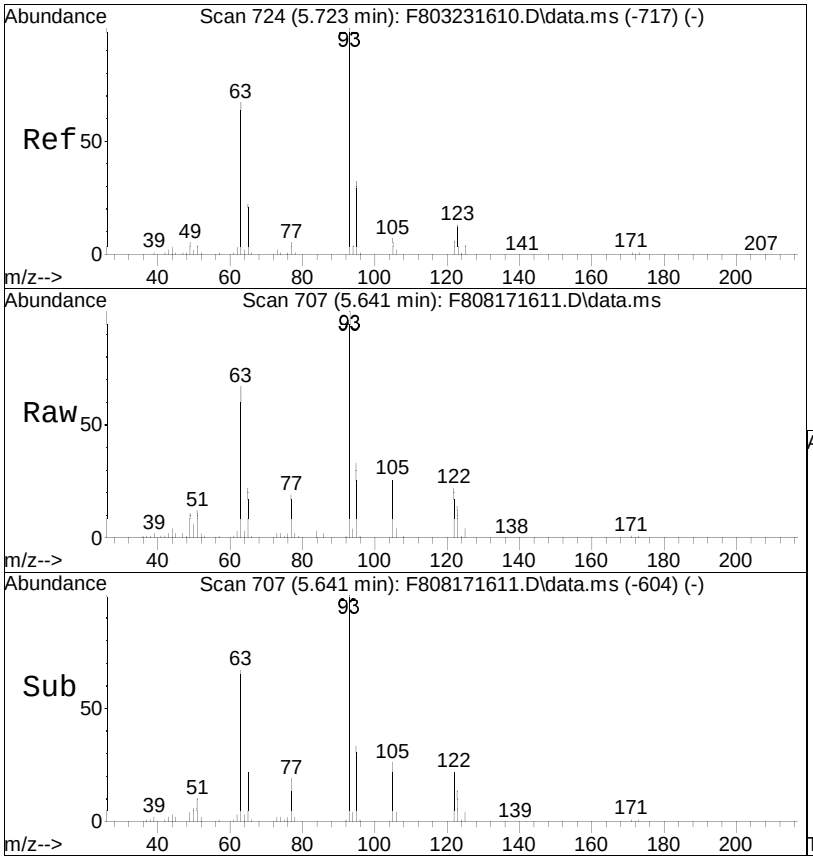


#27
Benzoic acid
Concen: 18.32 ug/mL
RT: 5.670 min Scan# 713
Delta R.T. 0.010 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:105 Resp: 660551

Ion	Ratio	Lower	Upper
105	100		
122	79.7	70.9	106.3
77	68.2	53.4	80.0

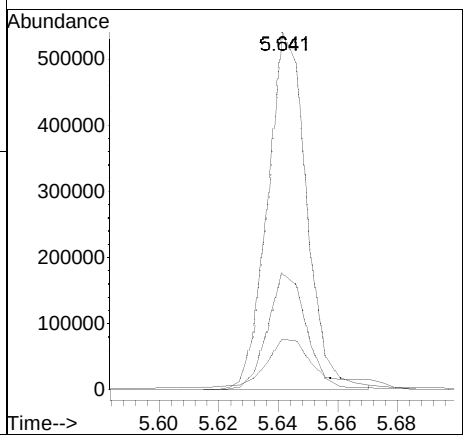


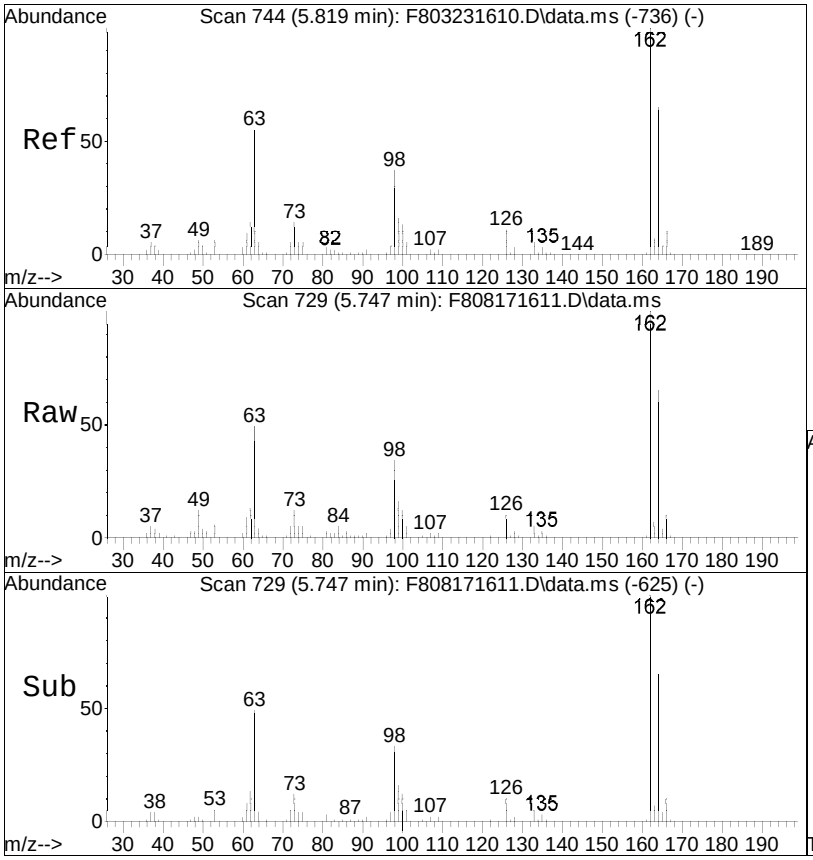


#28
bis(2-Chloroethoxy)methane
Concen: 8.31 ug/mL
RT: 5.641 min Scan# 707
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion: 93 Resp: 487603

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.7	40.1
123	20.3	11.9	17.9#

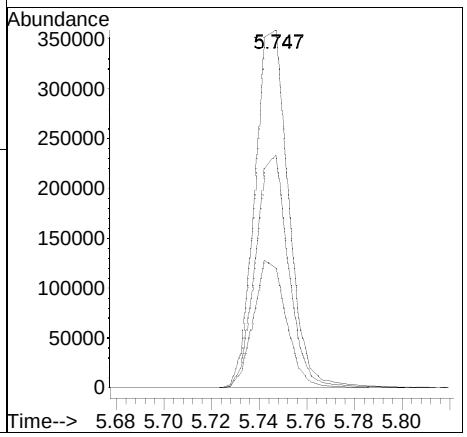


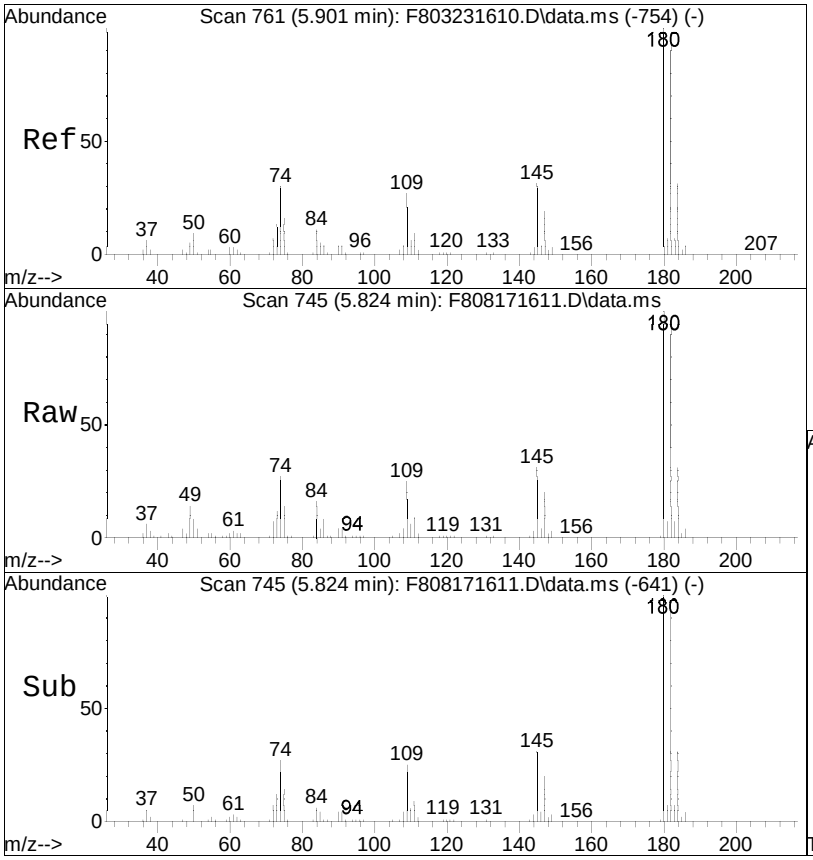


#29
2,4-Dichlorophenol
Concen: 8.12 ug/mL
RT: 5.747 min Scan# 729
Delta R.T. 0.000 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:162 Resp: 350868

Ion	Ratio	Lower	Upper
162	100		
164	64.0	50.8	76.2
98	35.2	26.3	39.5

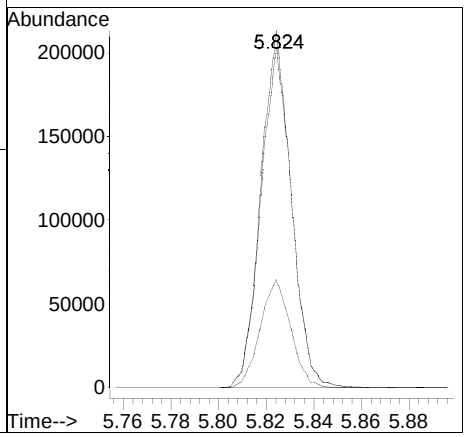


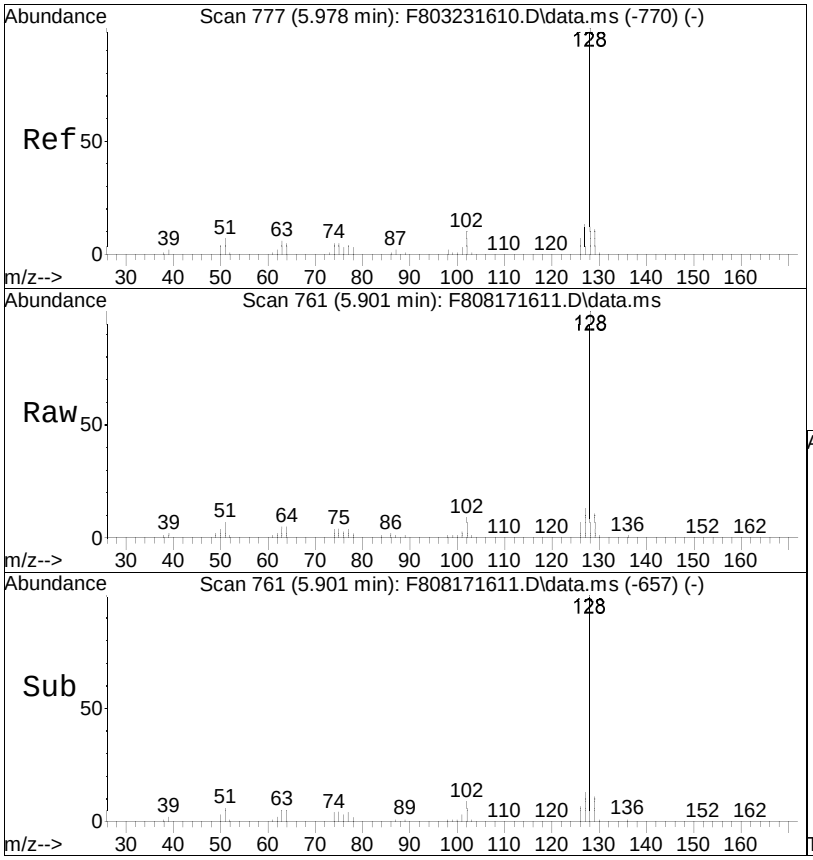


#30
1,2,4-Trichlorobenzene
Concen: 4.09 ug/mL
RT: 5.824 min Scan# 745
Delta R.T. 0.000 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:180 Resp: 189027

Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.2	114.4
145	30.6	23.6	35.4

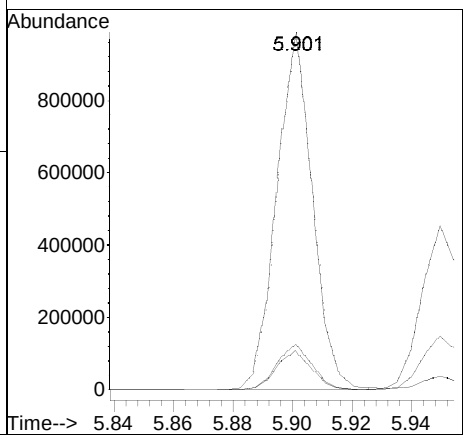


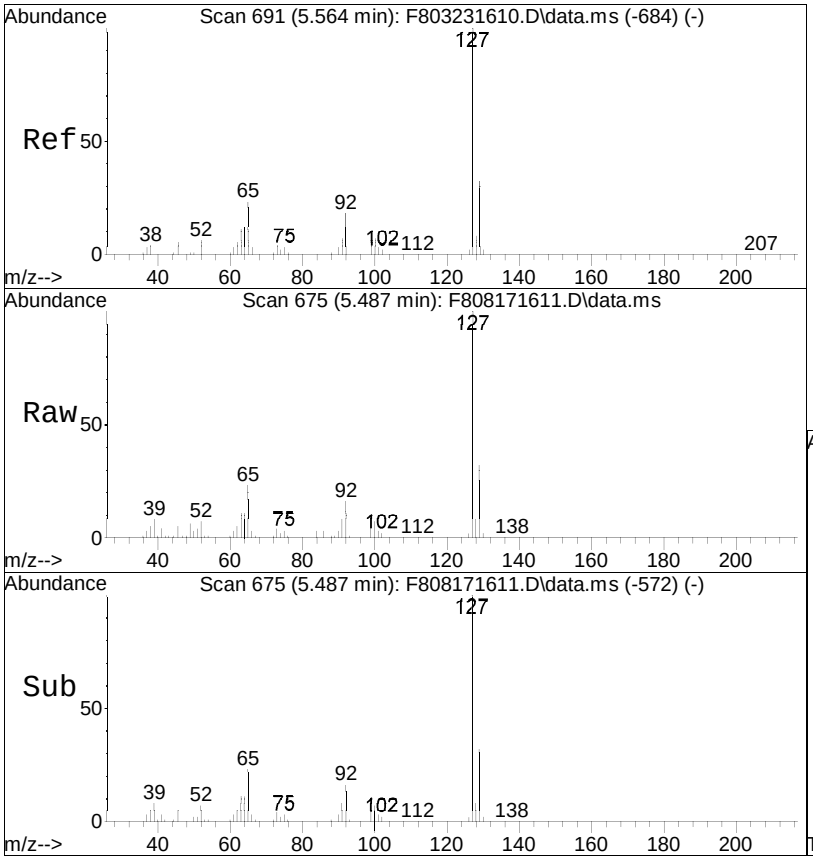


#31
Naphthalene
Concen: 5.50 ug/mL
RT: 5.901 min Scan# 761
Delta R.T. 0.000 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:128 Resp: 821398

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.4
127	12.9	10.0	15.0

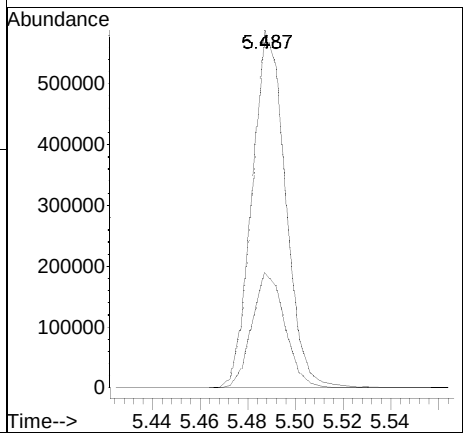


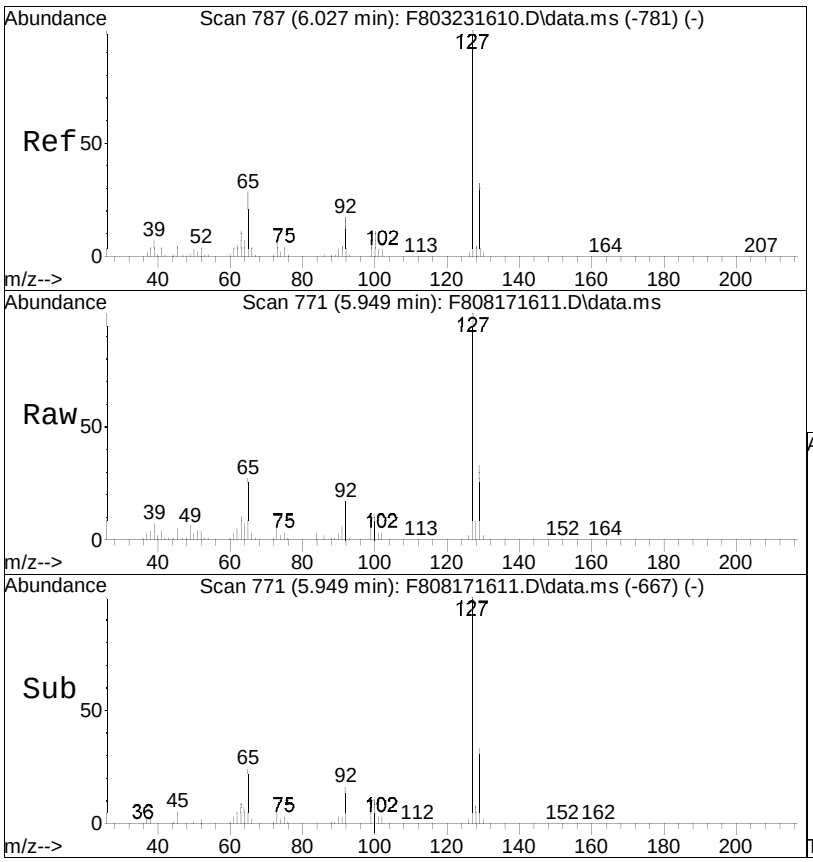


#32
2-Chloroaniline
Concen: 7.53 ug/ml
RT: 5.487 min Scan# 675
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:127 Resp: 568373

Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.2	39.4

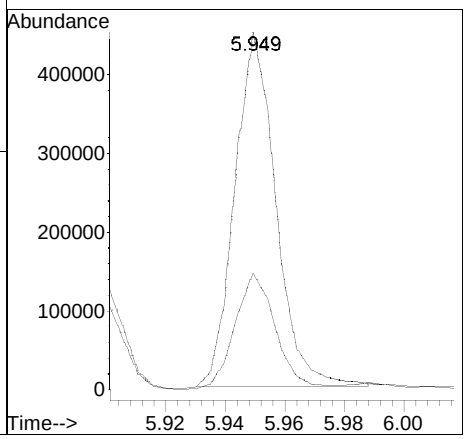


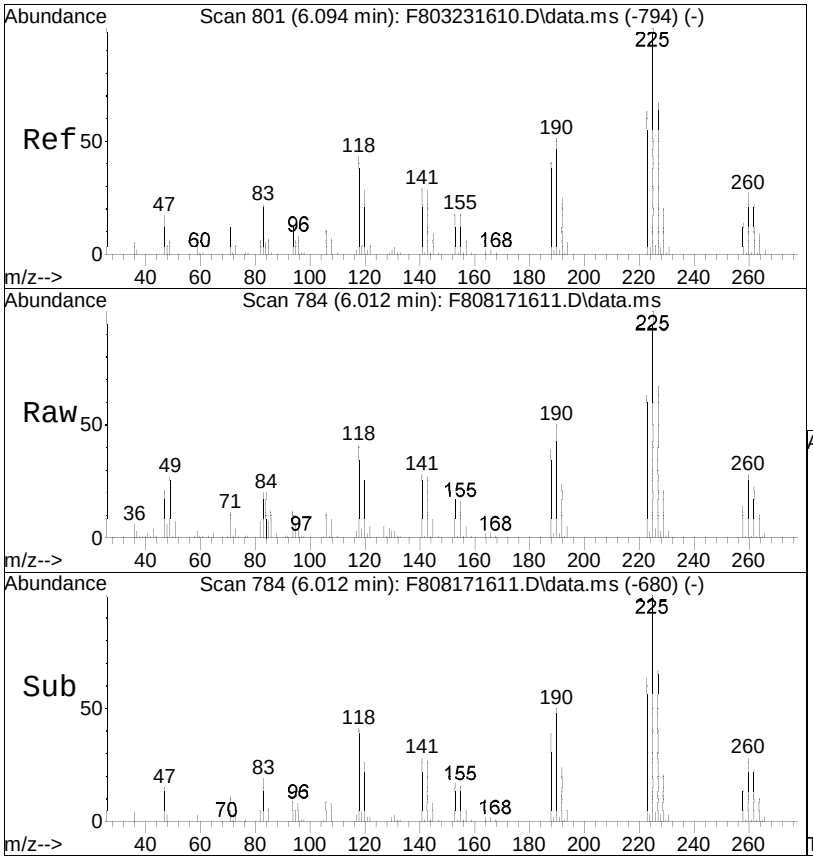


#33
4-Chloroaniline
Concen: 6.73 ug/mL
RT: 5.949 min Scan# 771
Delta R.T. 0.000 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:127 Resp: 430355

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.8	38.6

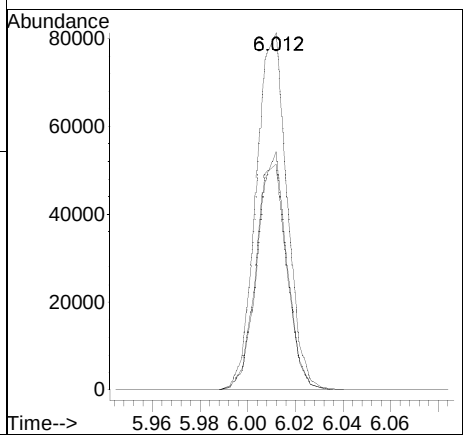


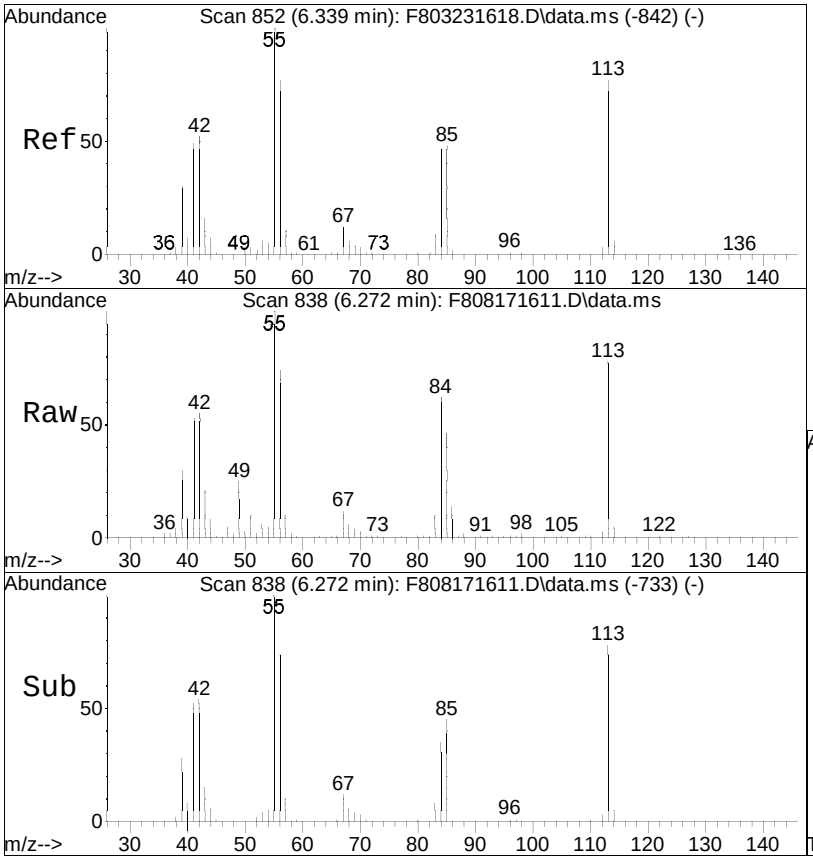


#34
Hexachlorobutadiene
Concen: 3.10 ug/mL
RT: 6.012 min Scan# 784
Delta R.T. 0.000 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:225 Resp: 73117

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.8	76.2
227	63.6	51.1	76.7

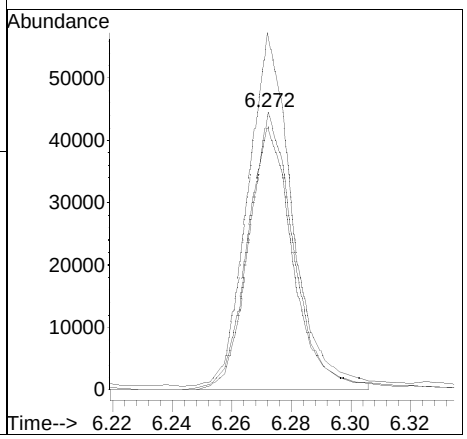


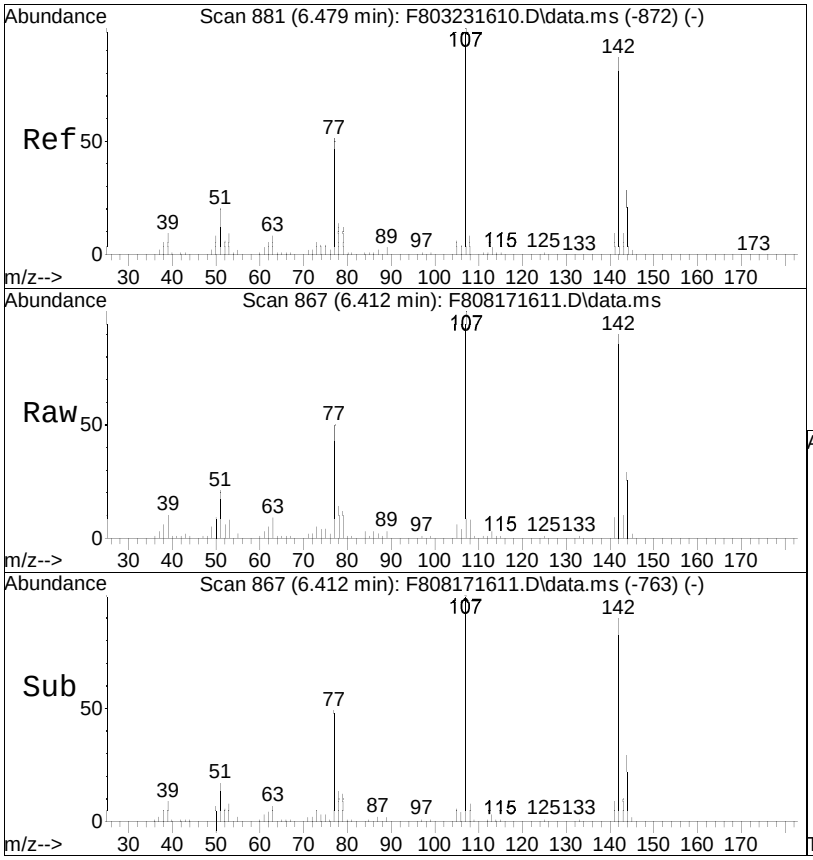


#35
Caprolactam
Concen: 2.90 ug/ml
RT: 6.272 min Scan# 838
Delta R.T. 0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:113 Resp: 45978

Ion	Ratio	Lower	Upper
113	100		
55	125.3	82.6	123.8#
56	98.2	63.0	94.6#

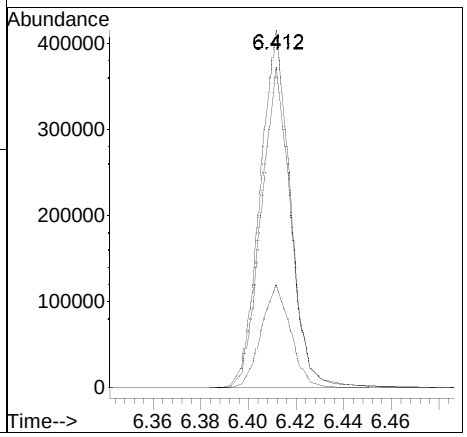


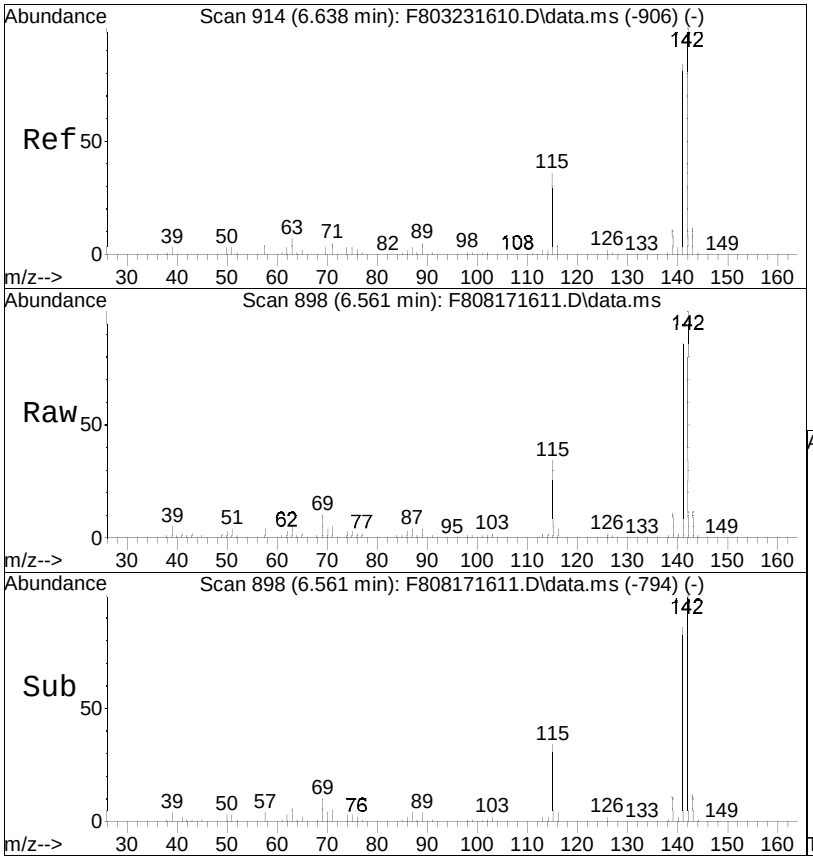


#36
4-Chloro-3-methylphenol
Concen: 8.75 ug/mL
RT: 6.412 min Scan# 867
Delta R.T. 0.000 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:107 Resp: 363420

Ion	Ratio	Lower	Upper
107	100		
144	28.6	24.3	36.5
142	88.3	74.4	111.6

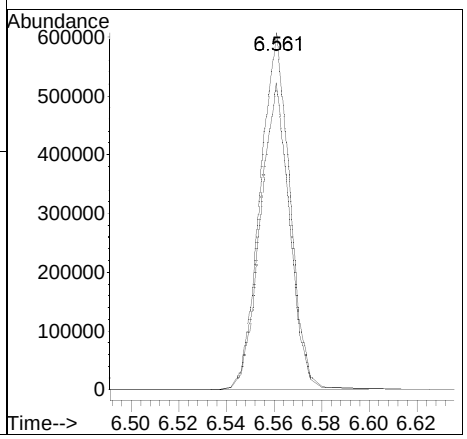


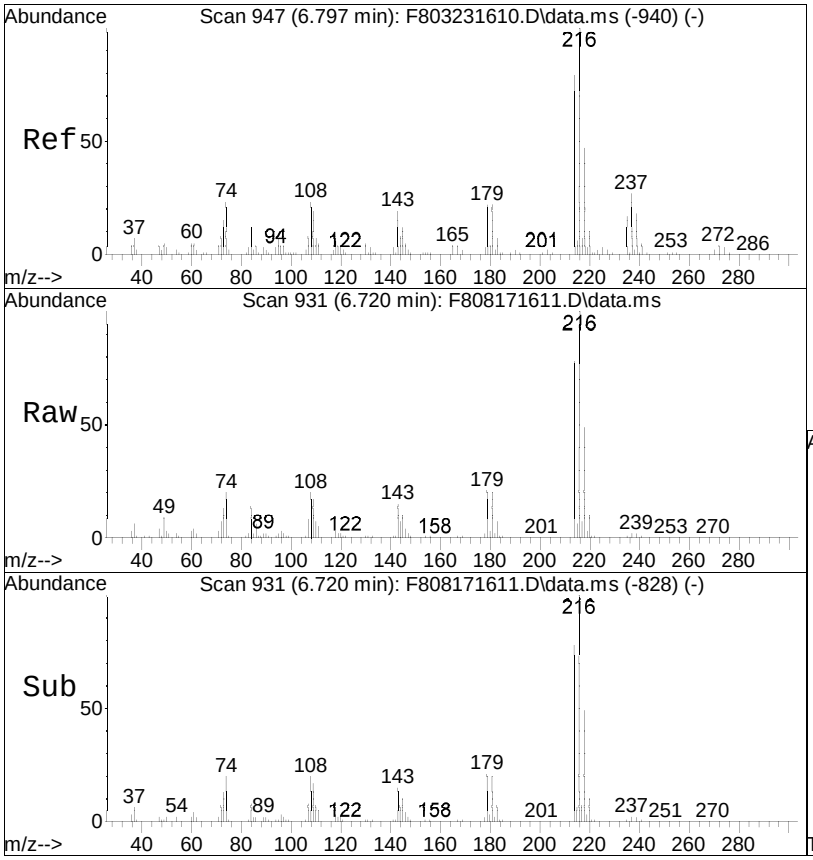


#37
2-Methylnaphthalene
Concen: 5.24 ug/mL
RT: 6.561 min Scan# 898
Delta R.T. 0.000 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:142 Resp: 519024

Ion	Ratio	Lower	Upper
142	100		
141	85.1	66.6	100.0

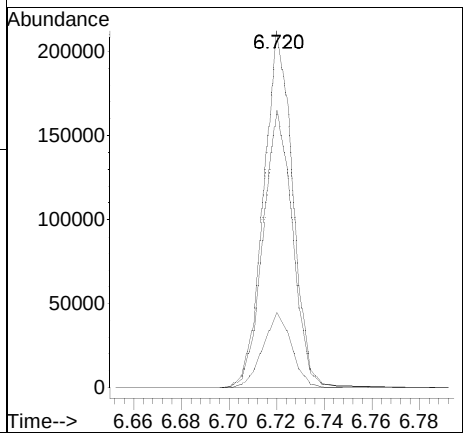


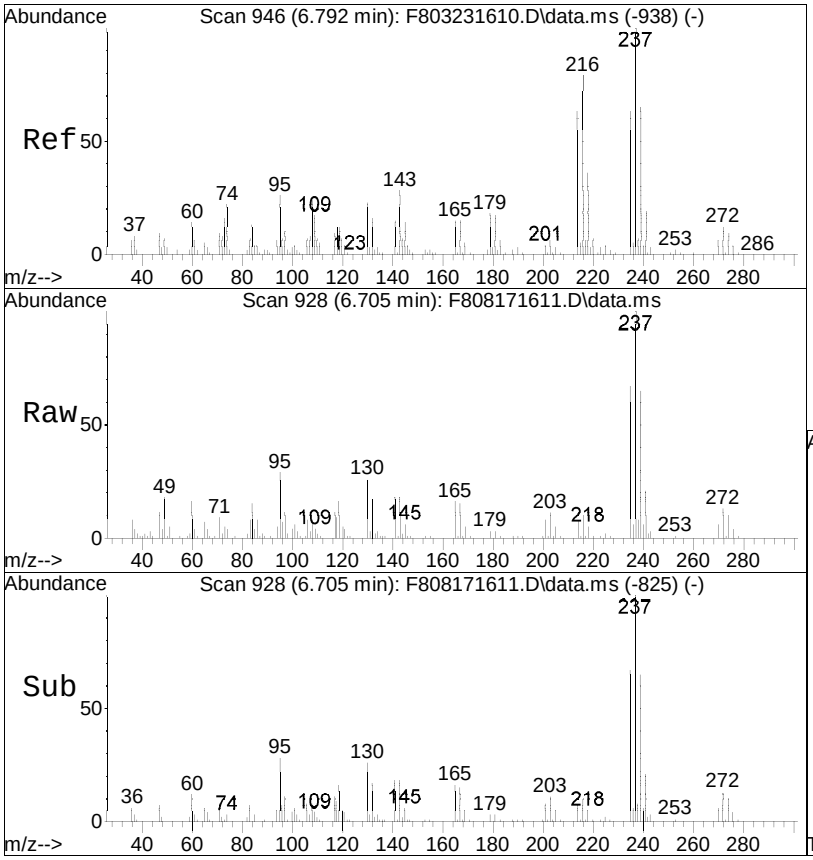


#39
1,2,4,5-Tetrachlorobenzene
Concen: 4.30 ug/mL
RT: 6.720 min Scan# 931
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:216 Resp: 180194

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.0	94.6
179	20.8	16.2	24.4

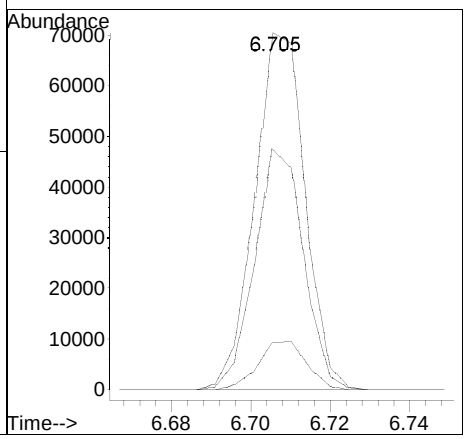


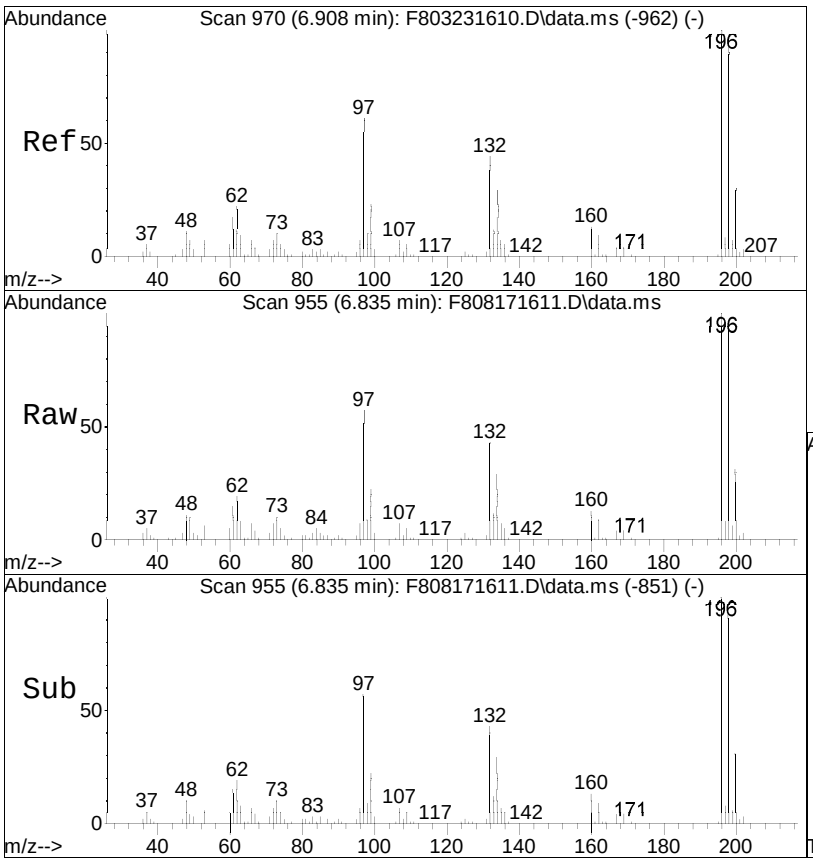


#40
Hexachlorocyclopentadiene
Concen: 2.99 ug/mL
RT: 6.705 min Scan# 928
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:237 Resp: 61939

Ion	Ratio	Lower	Upper
237	100		
235	65.6	53.3	79.9
272	13.2	10.9	16.3

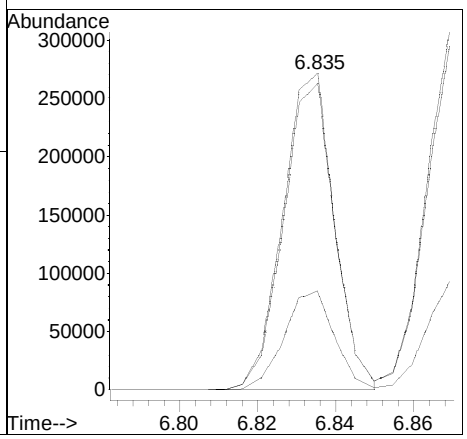


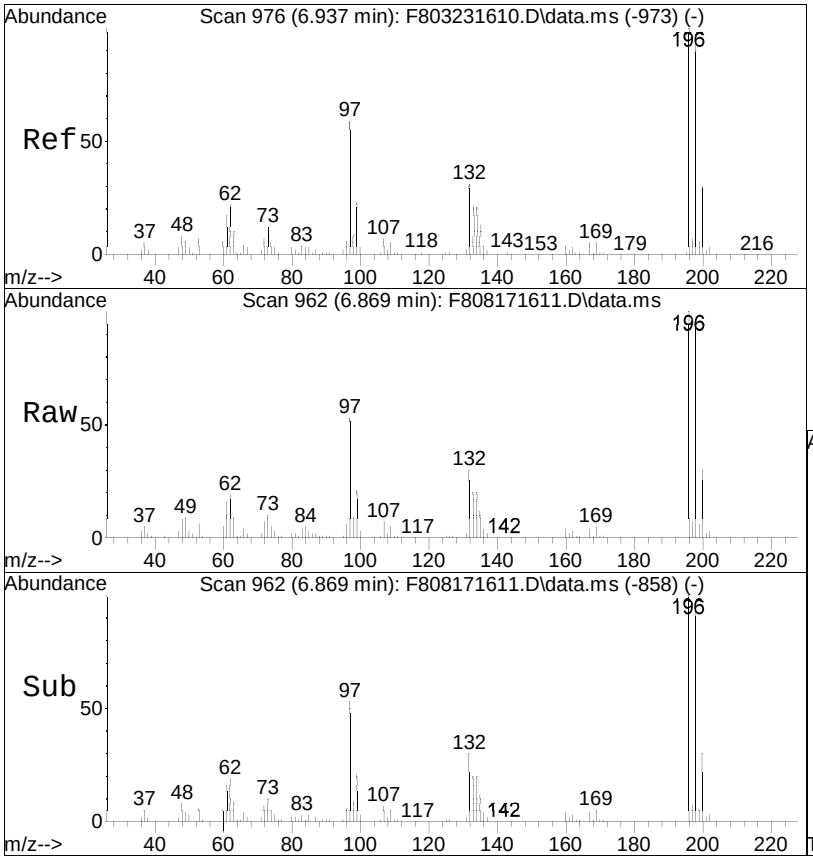


#41
2,4,6-Trichlorophenol
Concen: 8.56 ug/mL M4
RT: 6.835 min Scan# 955
Delta R.T. 0.000 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:196 Resp: 249540

Ion	Ratio	Lower	Upper
196	100		
198	97.6	73.6	110.4
200	31.2	23.5	35.3

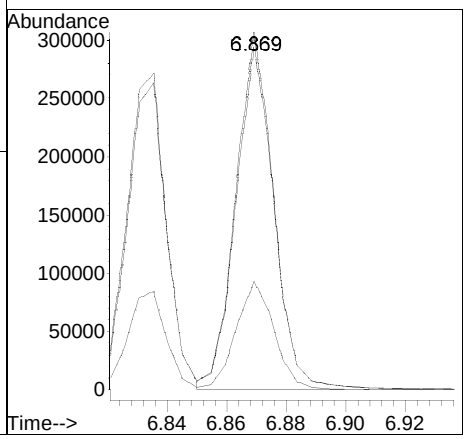


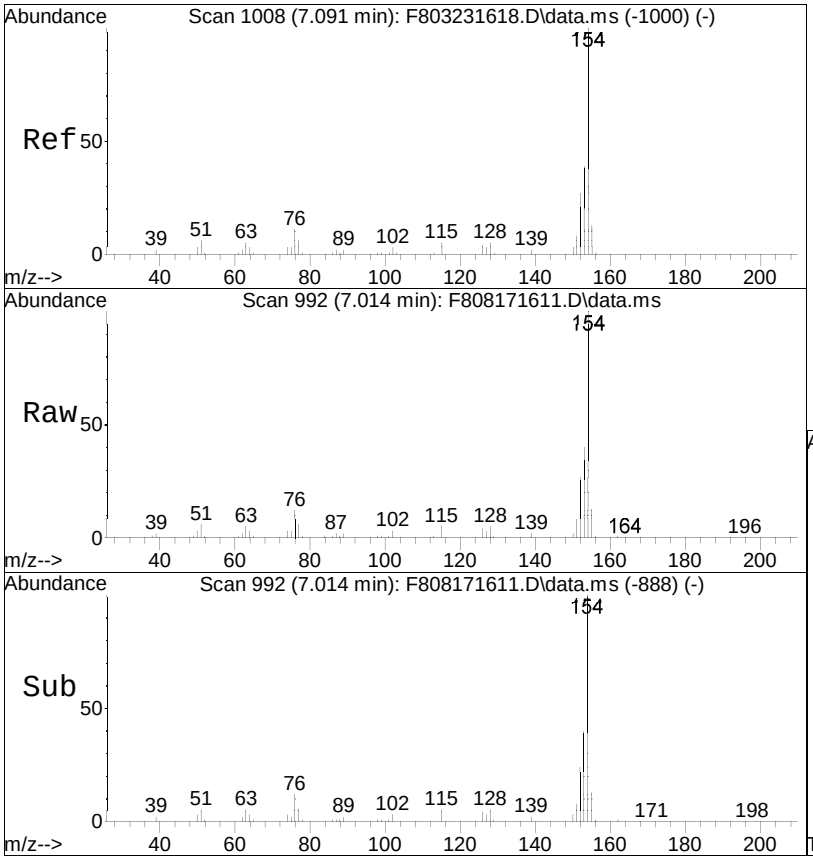


#42
2,4,5-Trichlorophenol
Concen: 9.11 ug/mL M4
RT: 6.869 min Scan# 962
Delta R.T. 0.000 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:196 Resp: 267710

Ion	Ratio	Lower	Upper
196	100		
198	95.4	73.2	109.8
200	30.5	23.9	35.9

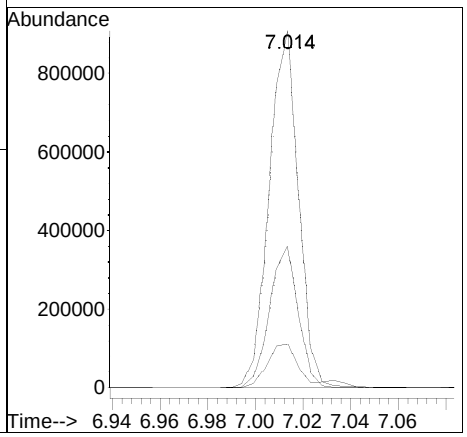


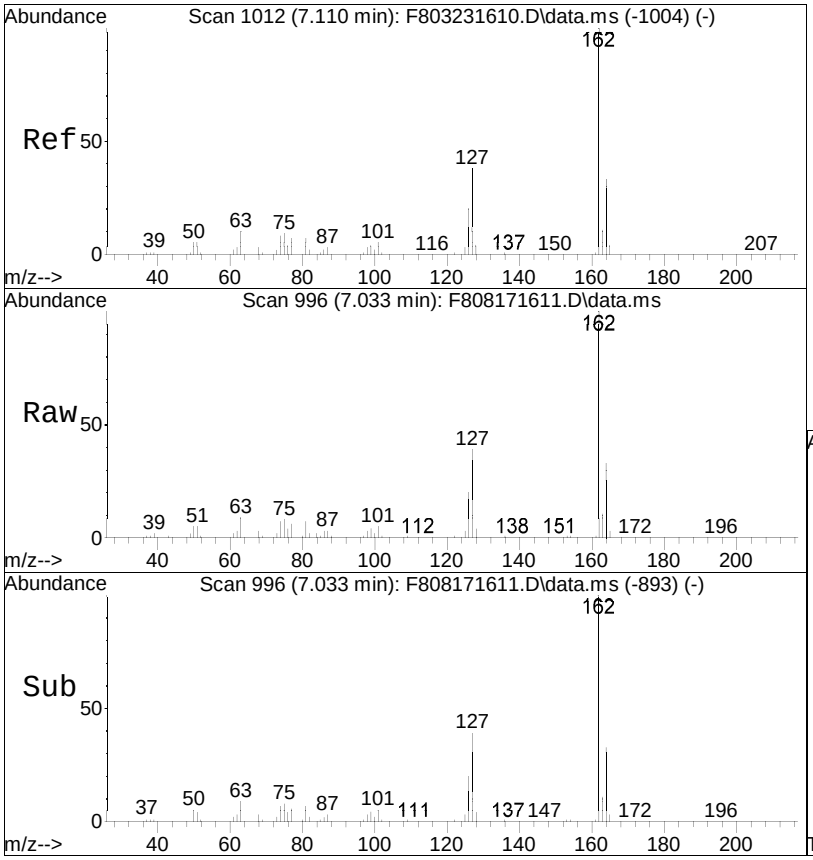


#44
Biphenyl
Concen: 6.50 ug/ml
RT: 7.014 min Scan# 992
Delta R.T. -0.000 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:154 Resp: 774291

Ion	Ratio	Lower	Upper
154	100		
153	39.2	31.4	47.0
76	15.0	9.8	14.6#

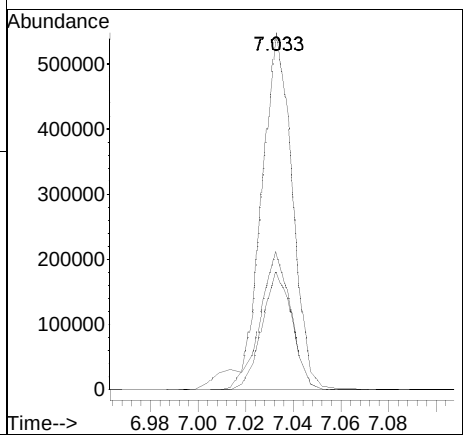


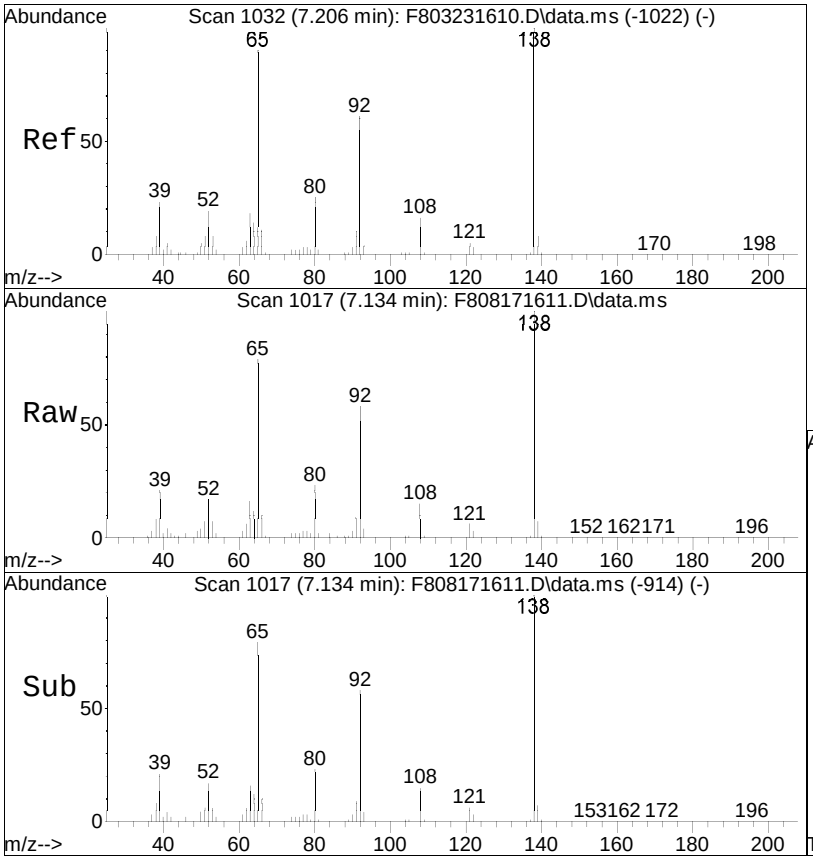


#45
2-Chloronaphthalene
Concen: 5.50 ug/mL
RT: 7.033 min Scan# 996
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:162 Resp: 486015

Ion	Ratio	Lower	Upper
162	100		
164	33.1	26.4	39.6
127	43.3	30.2	45.2

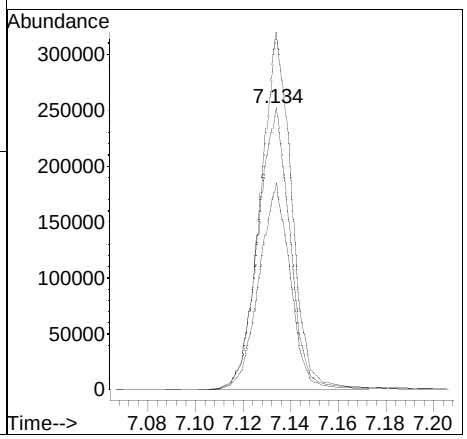


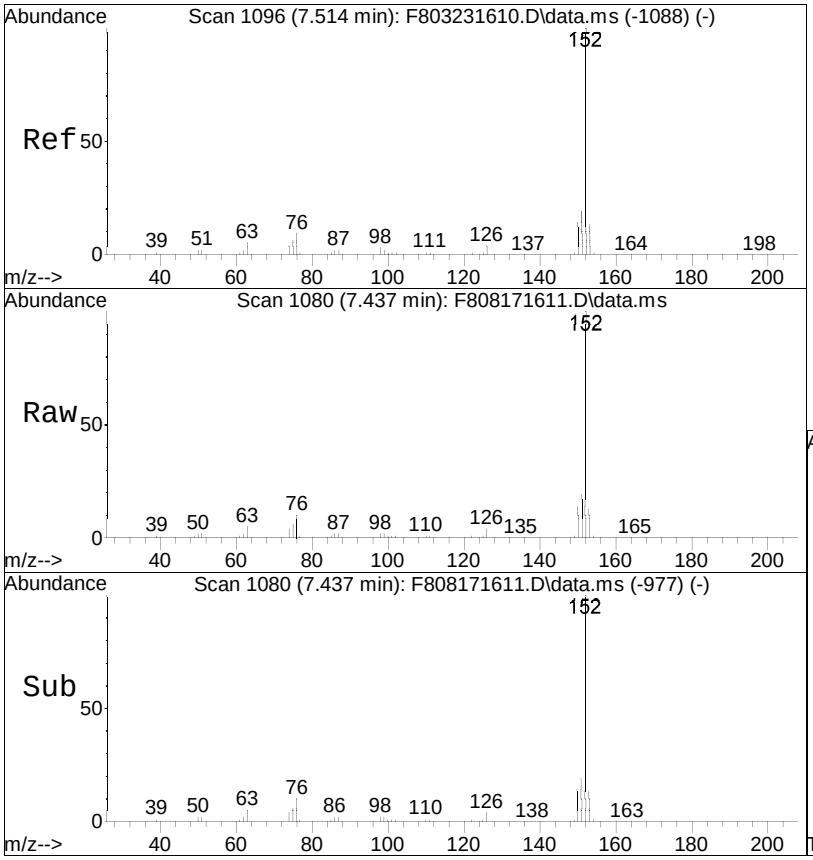


#46
2-Nitroaniline
Concen: 9.72 ug/mL
RT: 7.134 min Scan# 1017
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion: 65 Resp: 234331

Ion	Ratio	Lower	Upper
65	100		
92	71.7	61.0	91.4
138	122.9	122.0	183.0

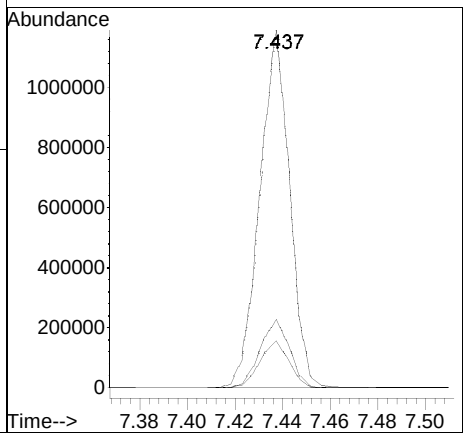


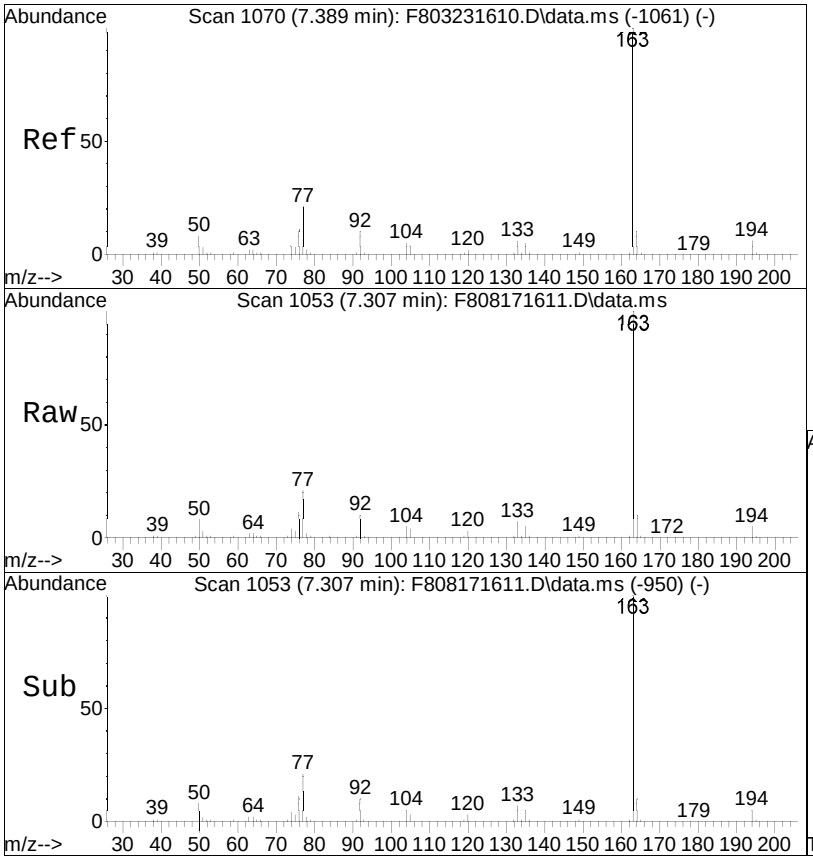


#47
Acenaphthylene
Concen: 7.10 ug/mL
RT: 7.437 min Scan# 1080
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:152 Resp: 1025482

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.8	23.8
153	13.2	10.6	16.0

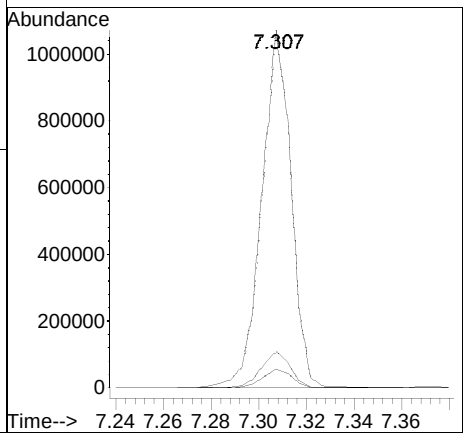


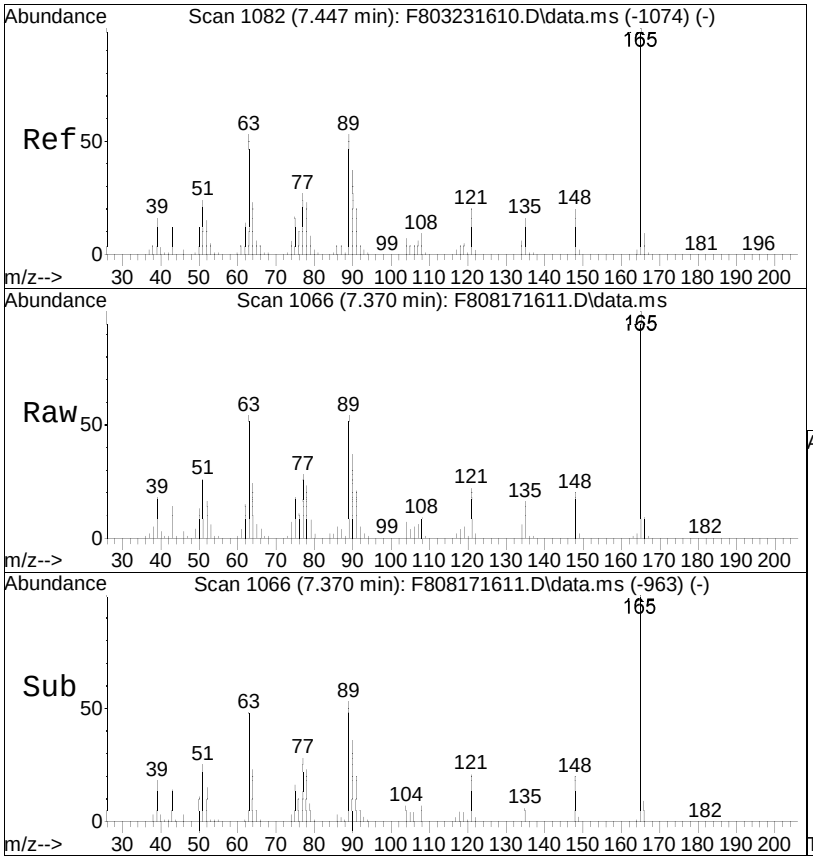


#48
Dimethylphthalate
Concen: 9.33 ug/mL
RT: 7.307 min Scan# 1053
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:163 Resp: 899199

Ion	Ratio	Lower	Upper
163	100		
194	5.4	4.4	6.6
164	10.4	8.3	12.5

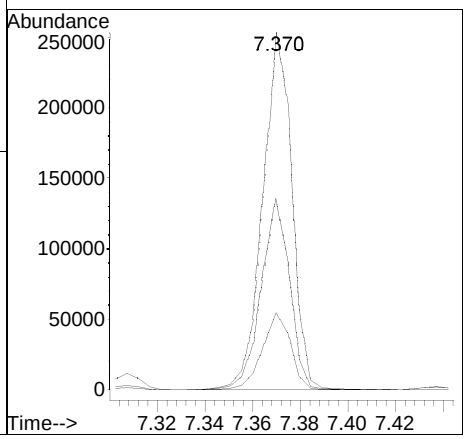


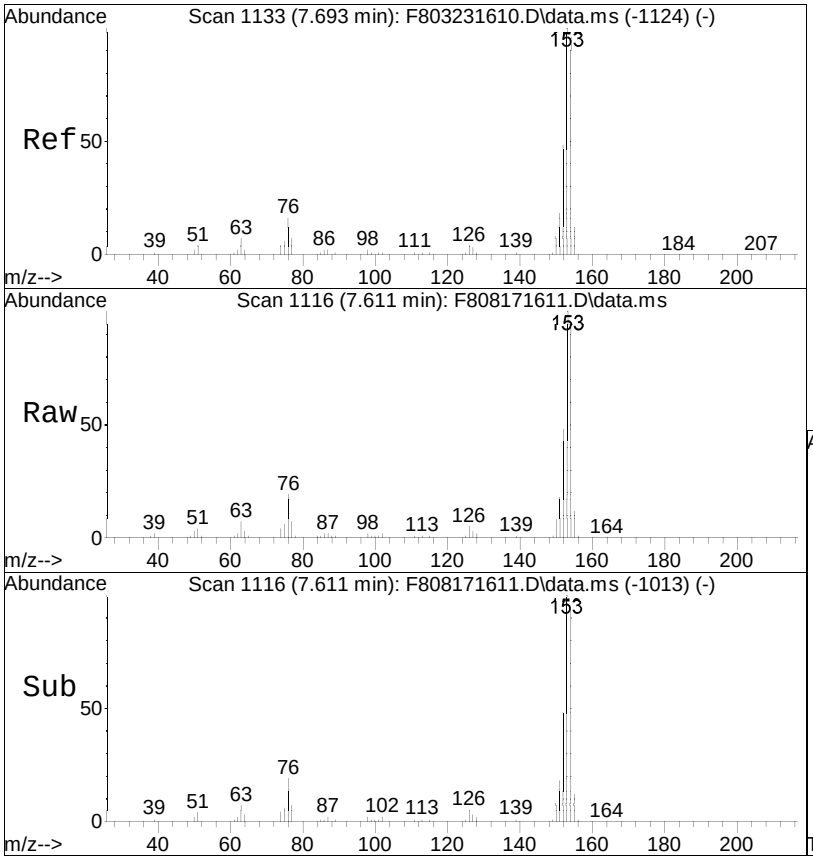


#49
2,6-Dinitrotoluene
Concen: 9.50 ug/mL
RT: 7.370 min Scan# 1066
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:165 Resp: 213183

Ion	Ratio	Lower	Upper
165	100		
89	52.9	40.5	60.7
121	21.5	16.6	25.0

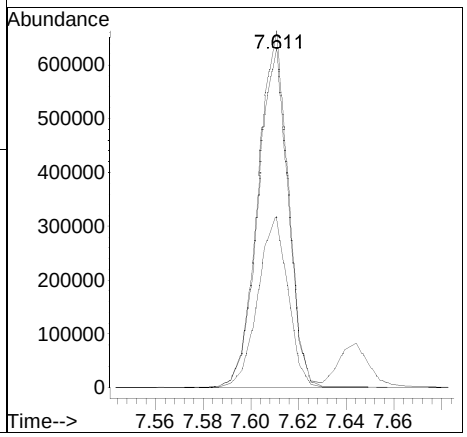


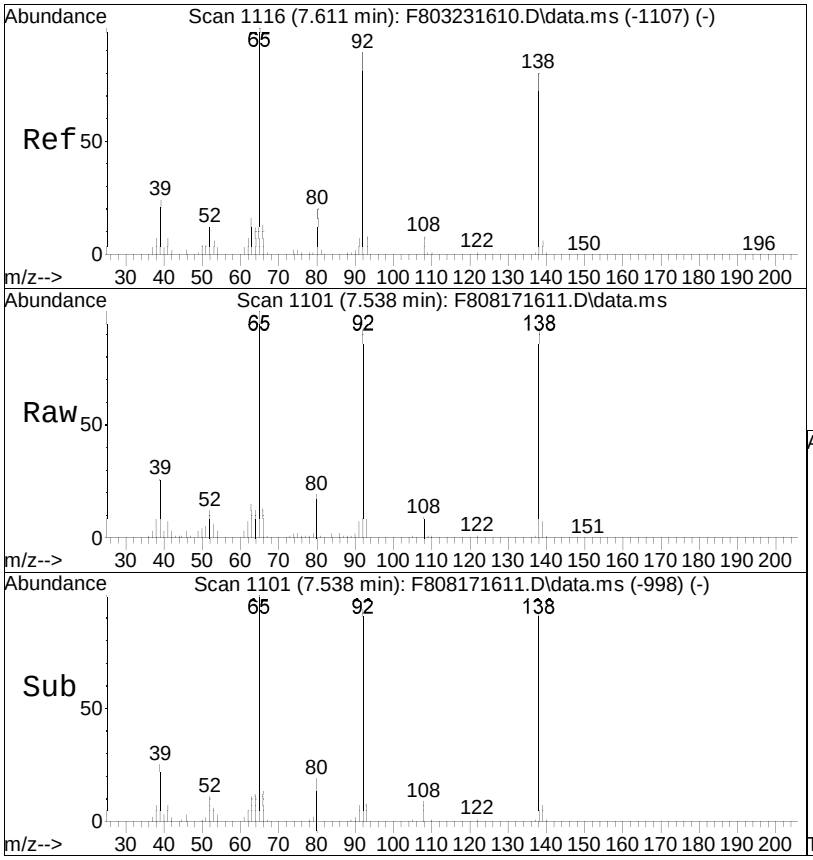


#50
Acenaphthene
Concen: 6.55 ug/mL
RT: 7.611 min Scan# 1116
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:153 Resp: 584980

Ion	Ratio	Lower	Upper
153	100		
154	95.6	75.4	113.0
152	47.9	39.3	58.9

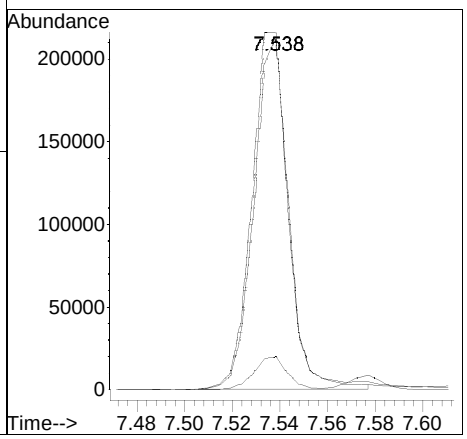


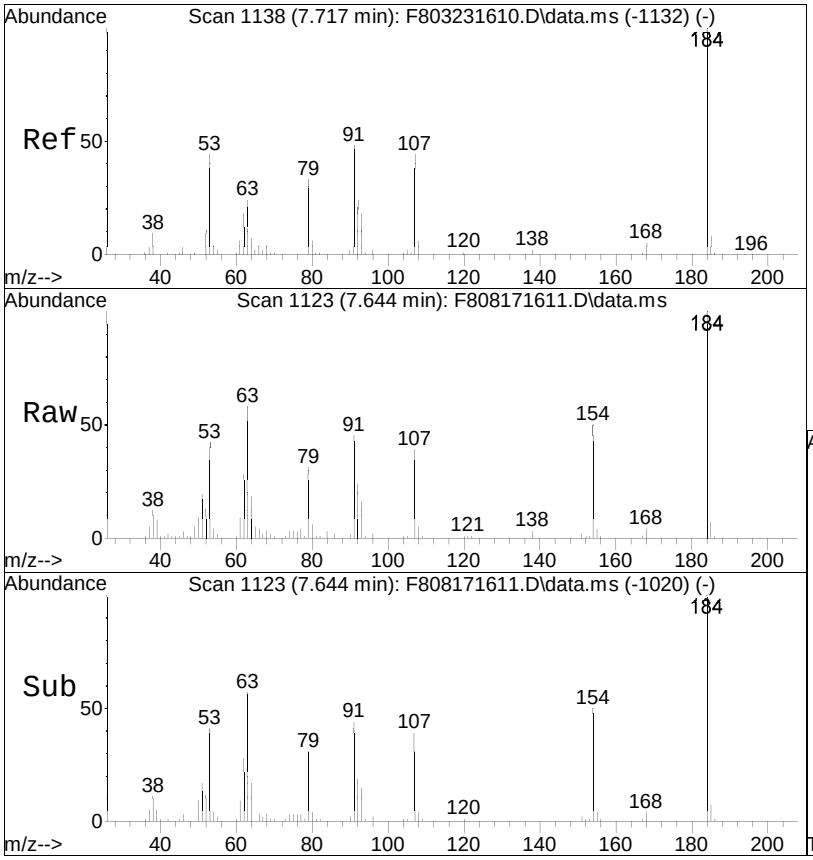


#51
3-Nitroaniline
Concen: 8.19 ug/mL
RT: 7.538 min Scan# 1101
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:138 Resp: 211827

Ion	Ratio	Lower	Upper
138	100		
108	9.6	8.9	13.3
92	104.5	72.2	108.4

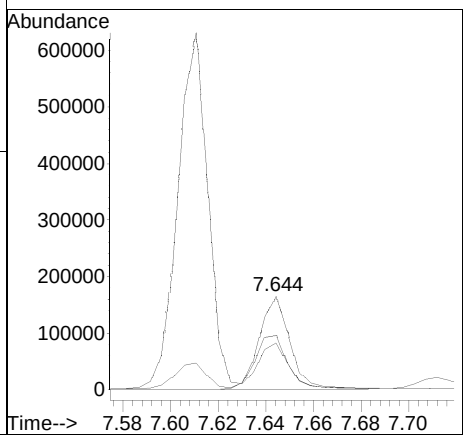


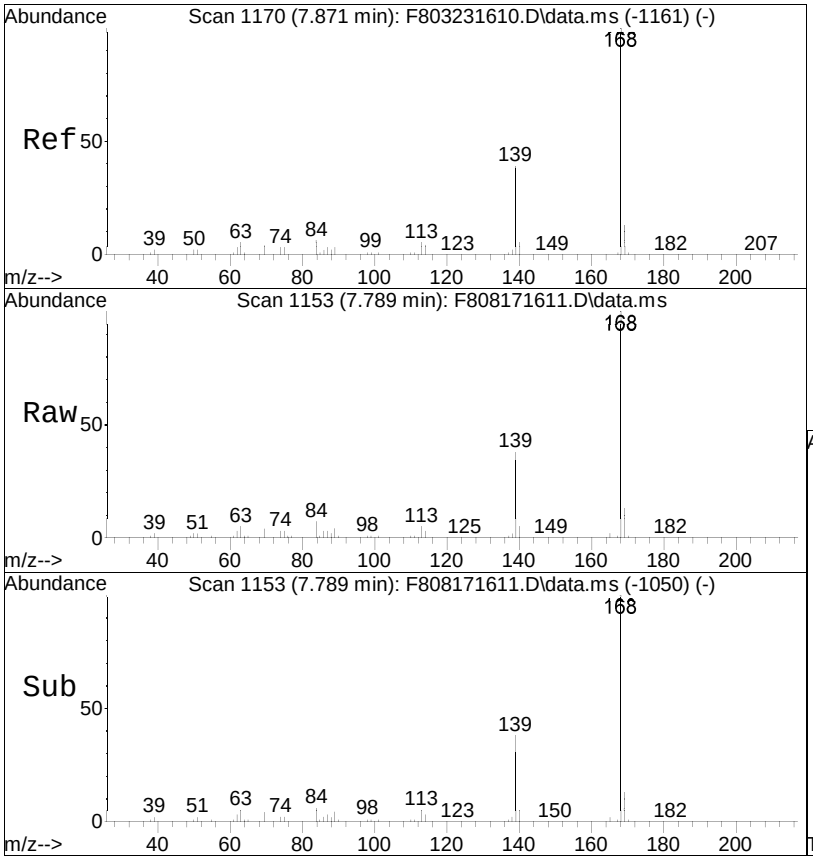


#52
2,4-Dinitrophenol
Concen: 8.71 ug/mL
RT: 7.644 min Scan# 1123
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:184 Resp: 149739

Ion	Ratio	Lower	Upper
184	100		
63	61.3	43.8	65.6
154	49.9	37.1	55.7

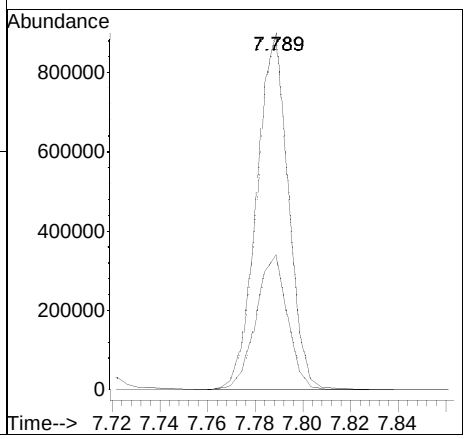


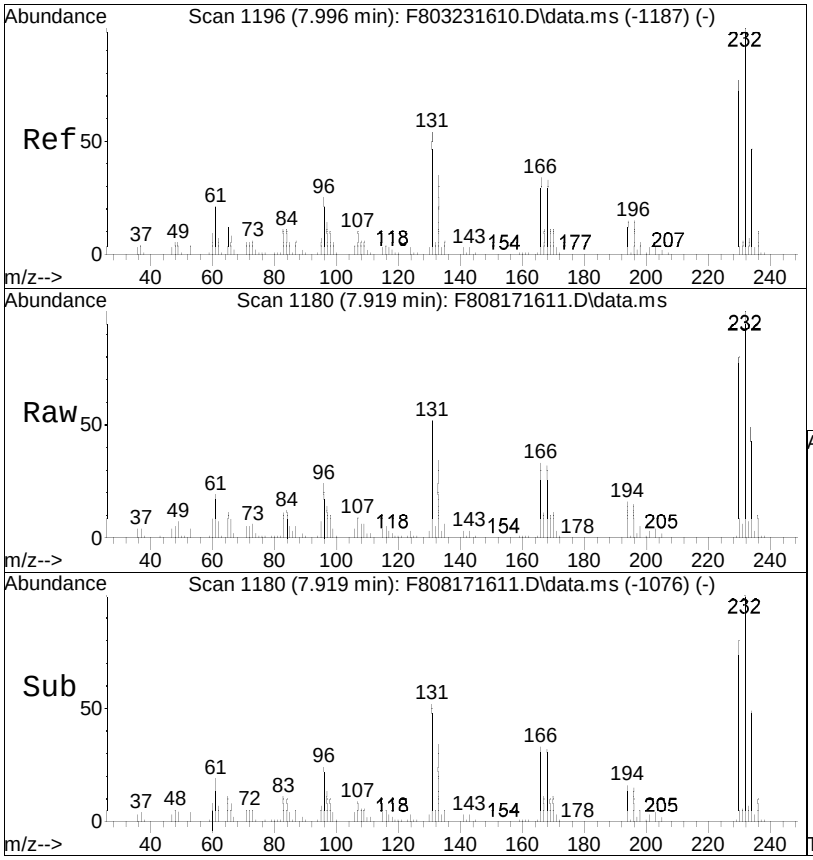


#53
Dibenzofuran
Concen: 7.02 ug/mL
RT: 7.789 min Scan# 1153
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:168 Resp: 824255

Ion	Ratio	Lower	Upper
168	100		
139	37.7	28.8	43.2

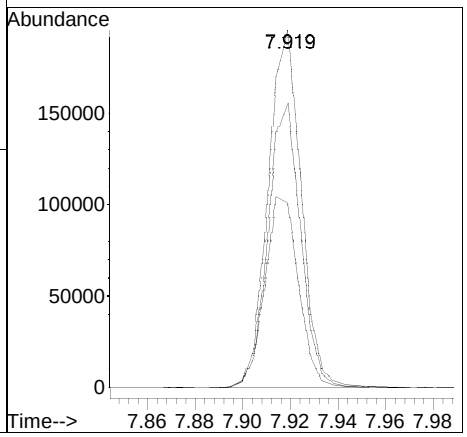


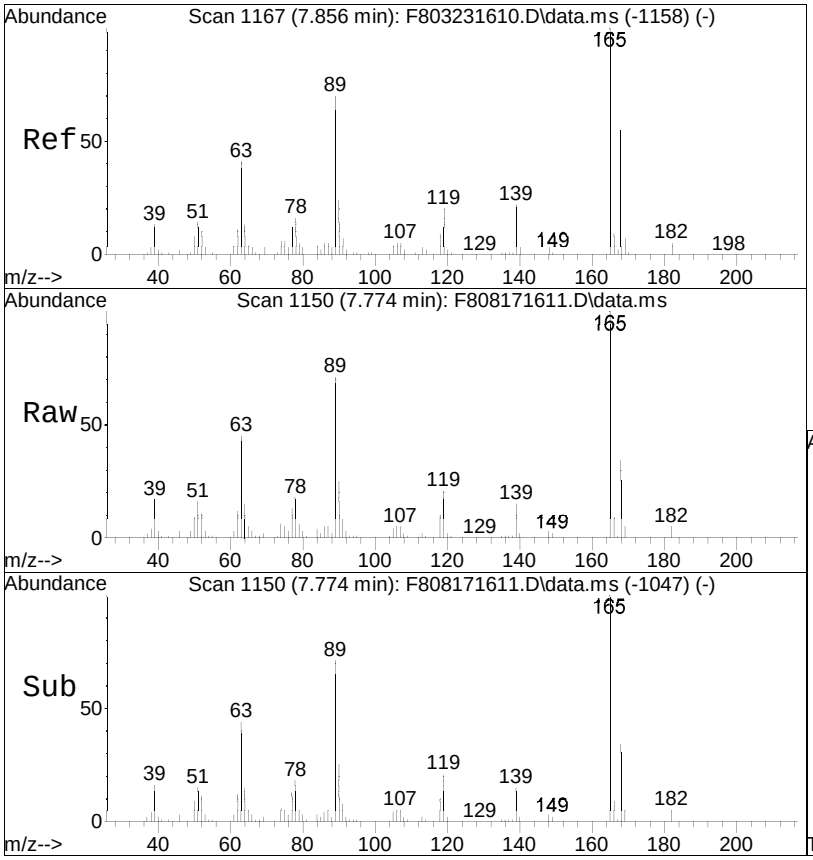


#54
2,3,4,6-Tetrachlorophenol
Concen: 9.04 ug/mL
RT: 7.919 min Scan# 1180
Delta R.T. 0.000 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:232 Resp: 187922

Ion	Ratio	Lower	Upper
232	100		
131	55.1	43.1	64.7
230	78.7	63.0	94.6

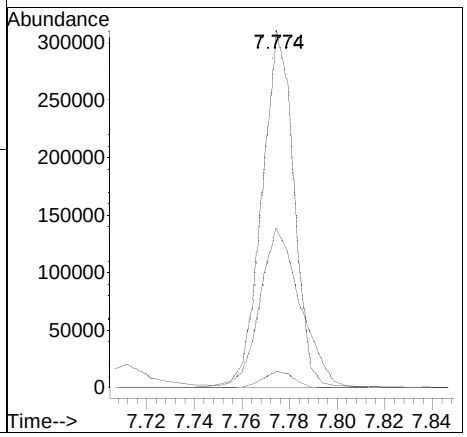


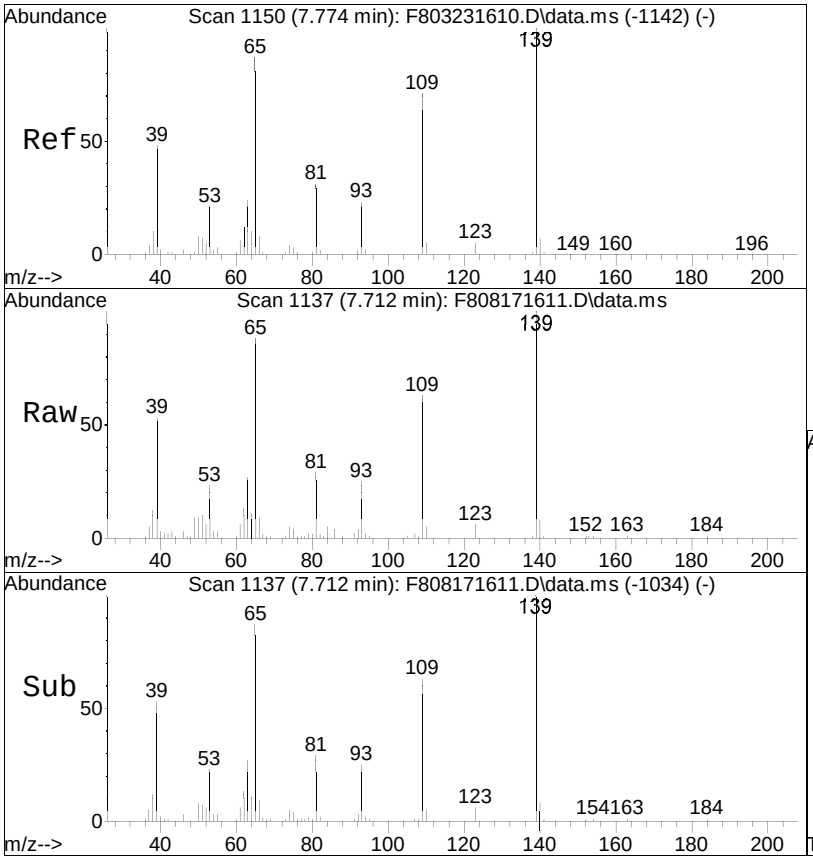


#55
2,4-Dinitrotoluene
Concen: 9.89 ug/mL
RT: 7.774 min Scan# 1150
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:165 Resp: 286013

Ion	Ratio	Lower	Upper
165	100		
63	56.5	30.9	46.3#
182	4.7	3.5	5.3

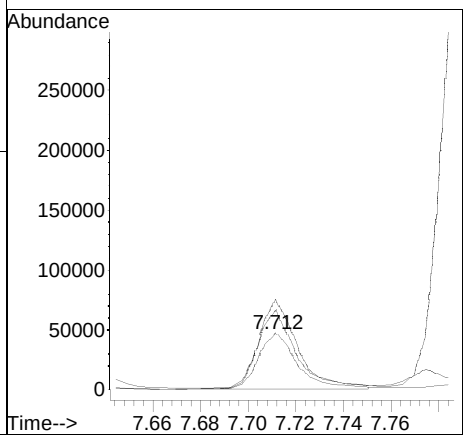


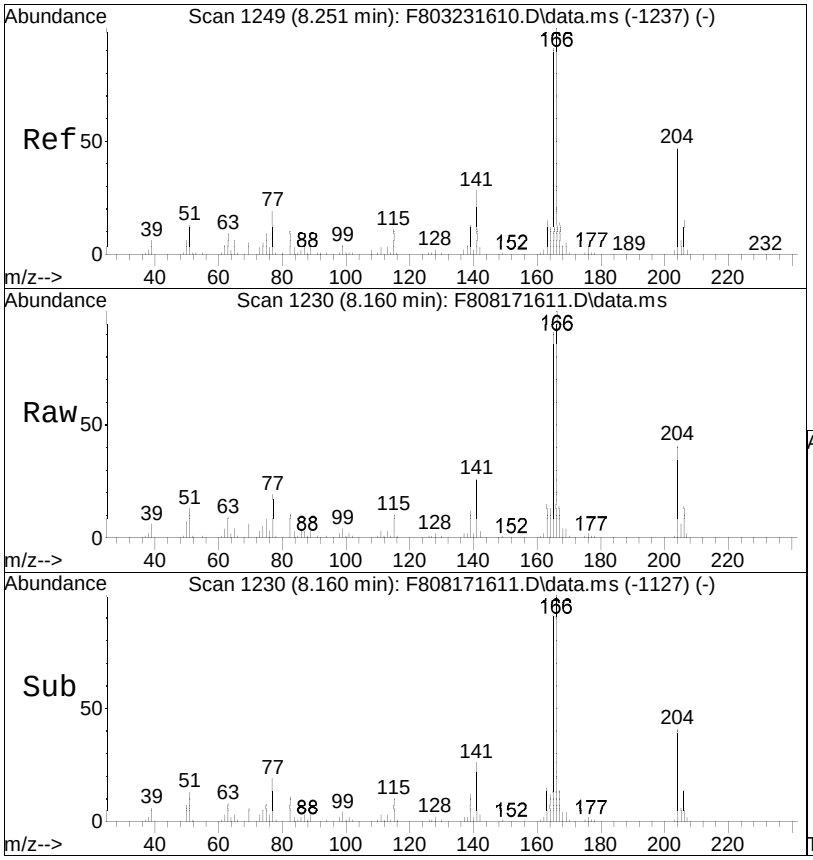


#56
4-Nitrophenol
Concen: 4.24 ug/mL
RT: 7.712 min Scan# 1137
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:109 Resp: 53639

Ion	Ratio	Lower	Upper
109	100		
139	158.3	149.7	224.5
65	138.2	107.3	160.9

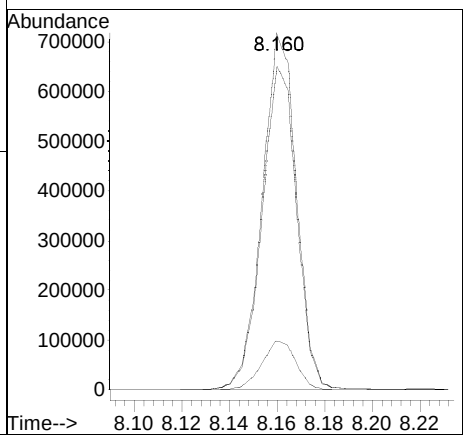


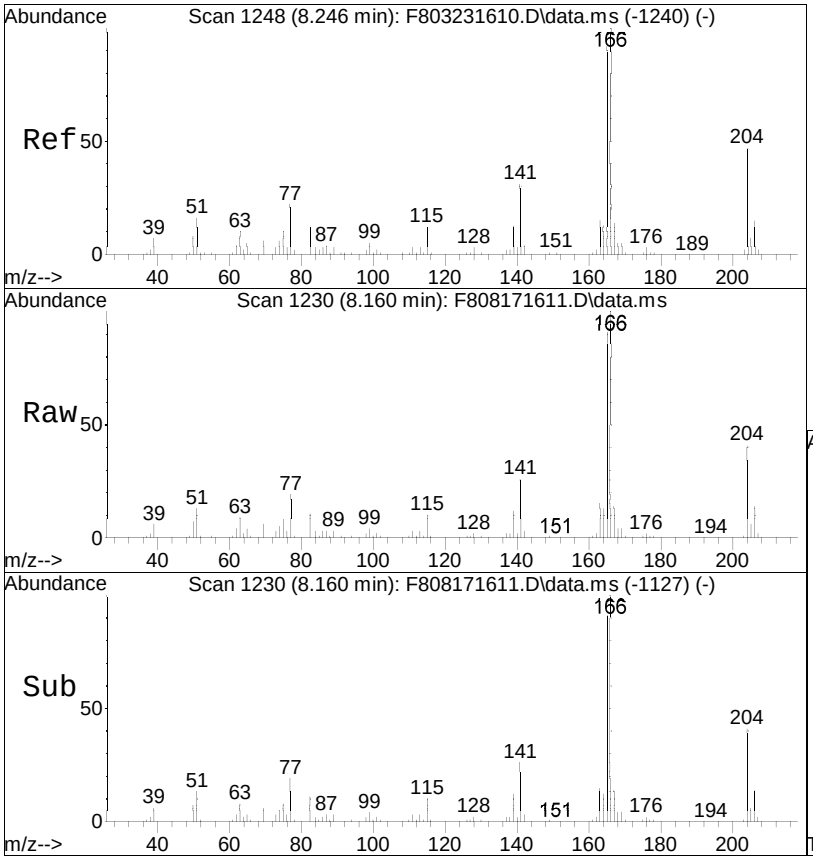


#57
Fluorene
Concen: 7.65 ug/mL
RT: 8.160 min Scan# 1230
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:166 Resp: 717828

Ion	Ratio	Lower	Upper
166	100		
165	91.5	72.9	109.3
167	13.8	10.9	16.3

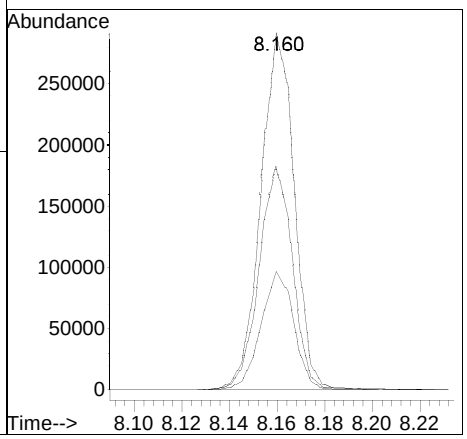


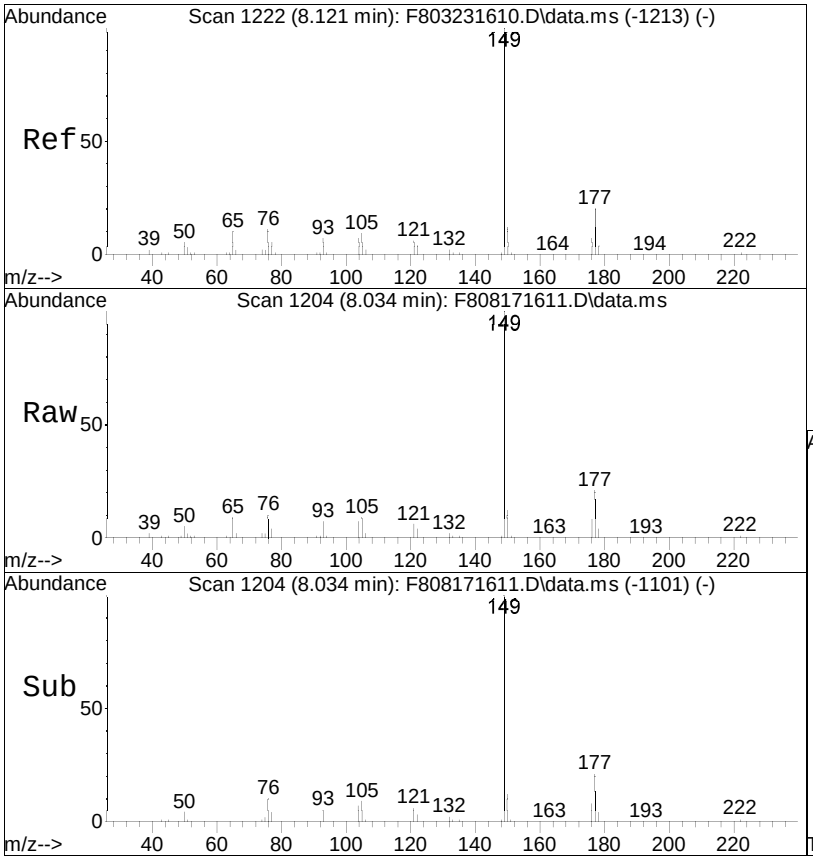


#58
4-Chlorophenyl-phenylether
Concen: 6.66 ug/mL
RT: 8.160 min Scan# 1230
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:204 Resp: 284996

Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.9	38.9
141	62.9	46.2	69.4

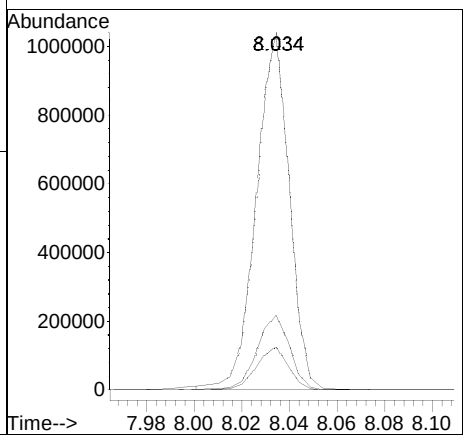


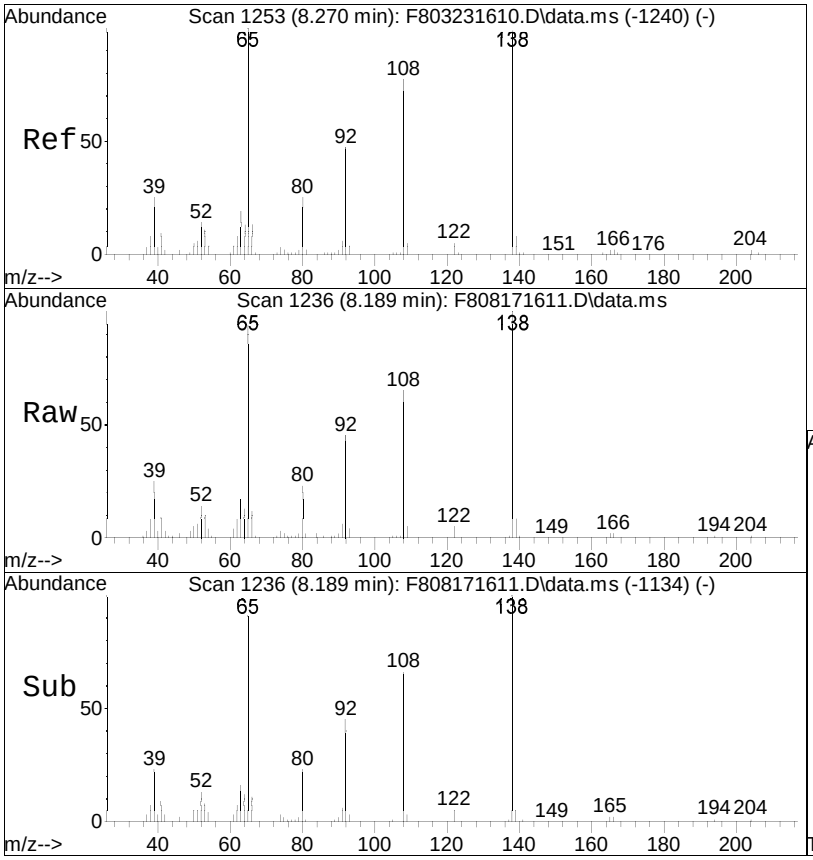


#59
Diethylphthalate
Concen: 9.91 ug/mL
RT: 8.034 min Scan# 1204
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:149 Resp: 983779

Ion	Ratio	Lower	Upper
149	100		
177	20.9	16.6	24.8
150	11.8	9.8	14.6

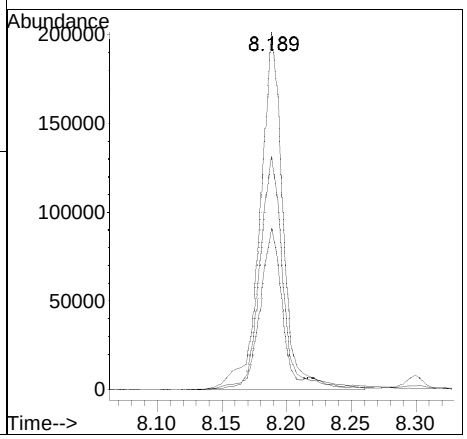


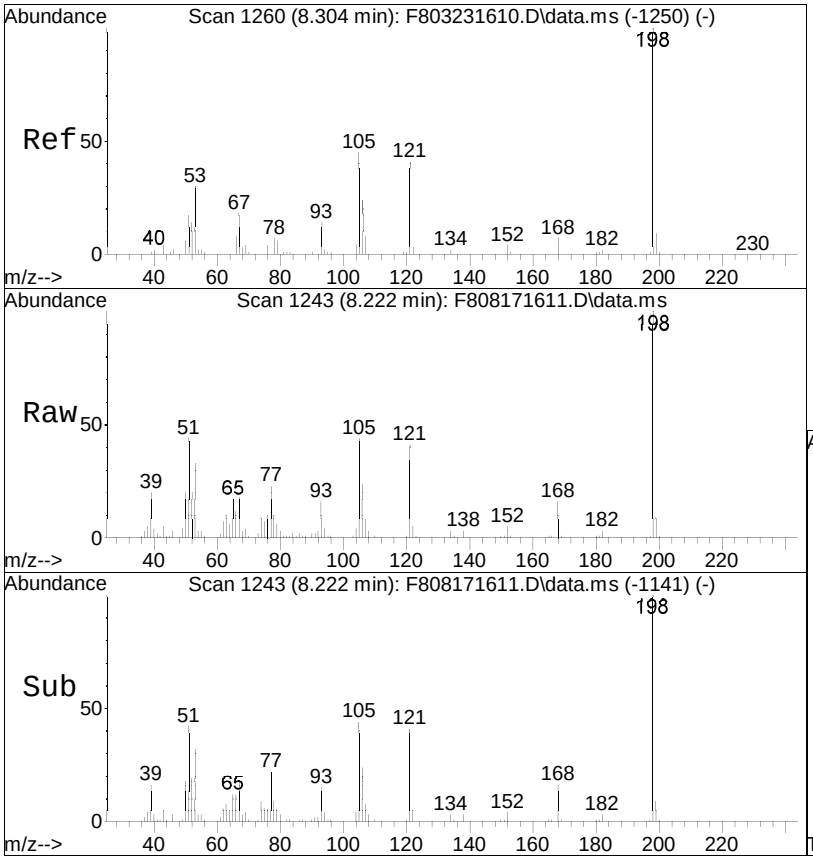


#60
4-Nitroaniline
Concen: 9.47 ug/mL M4
RT: 8.189 min Scan# 1236
Delta R.T. -0.010 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:138 Resp: 246660

Ion	Ratio	Lower	Upper
138	100		
92	44.4	32.7	49.1
108	61.2	45.8	68.6

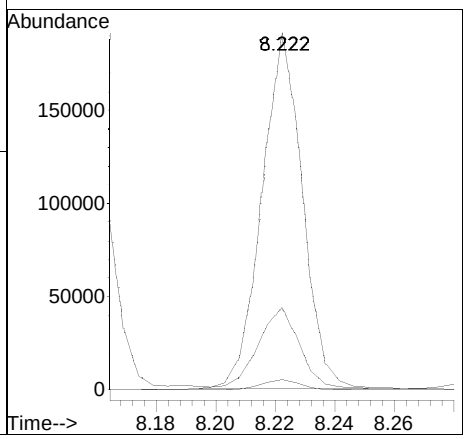


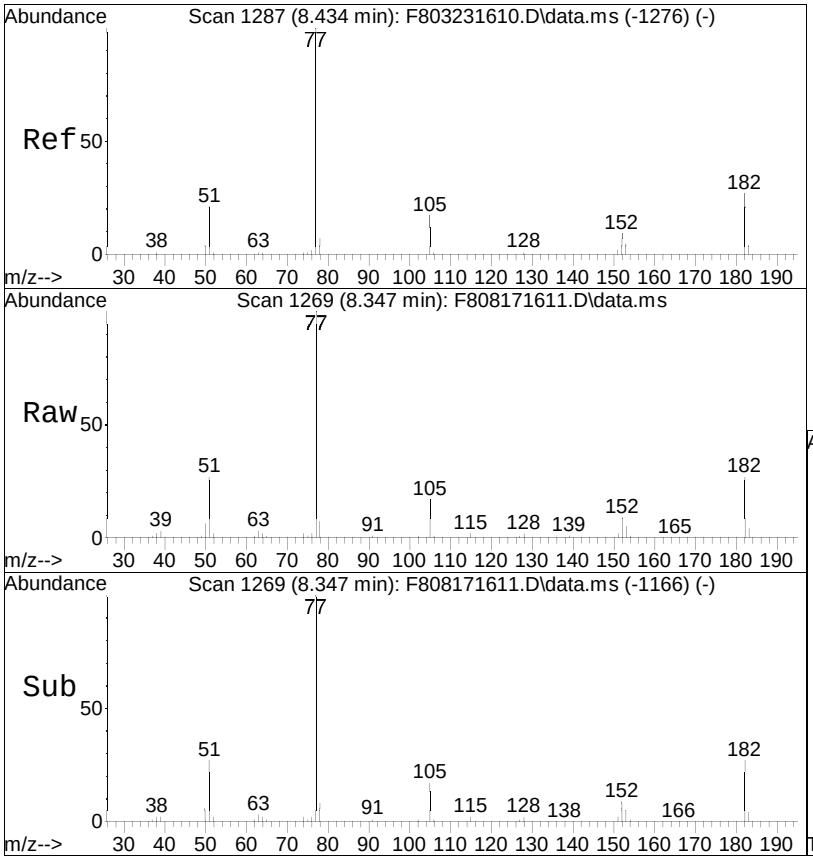


#62
4,6-Dinitro-2-methylphenol
Concen: 9.36 ug/mL
RT: 8.222 min Scan# 1243
Delta R.T. -0.010 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:198 Resp: 178572

Ion	Ratio	Lower	Upper
198	100		
182	3.0	2.2	3.2
77	22.8	16.8	25.2

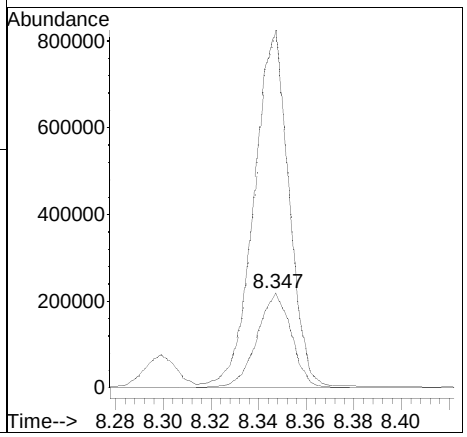


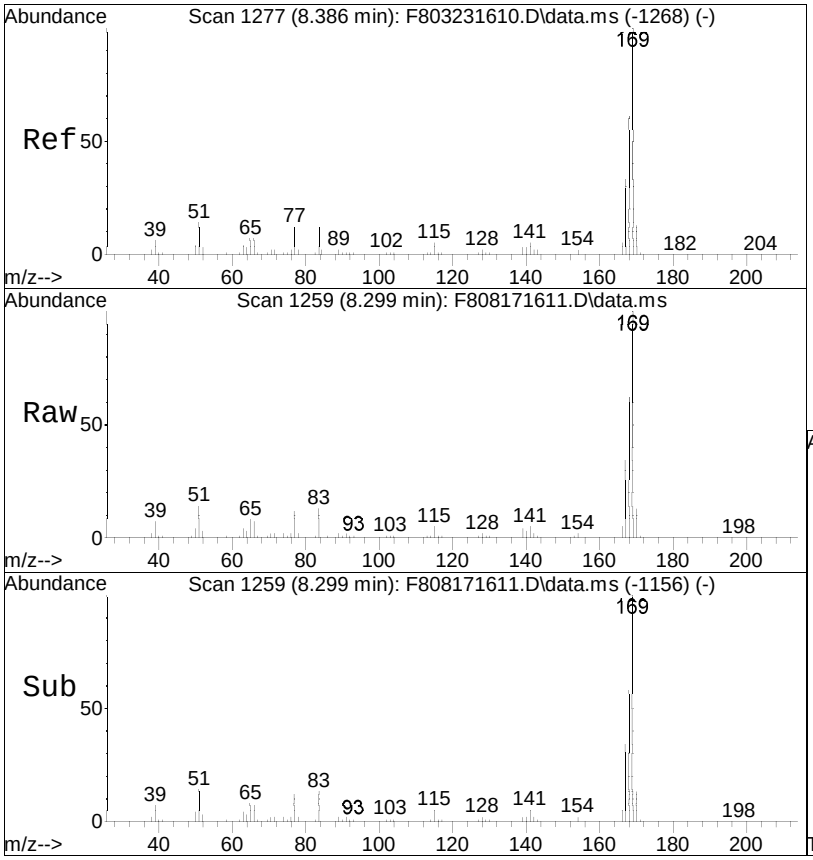


#63
Azobenzene
Concen: 8.06 ug/mL
RT: 8.347 min Scan# 1269
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:182 Resp: 217484

Ion	Ratio	Lower	Upper
182	100		
77	380.1	54.9	631.7

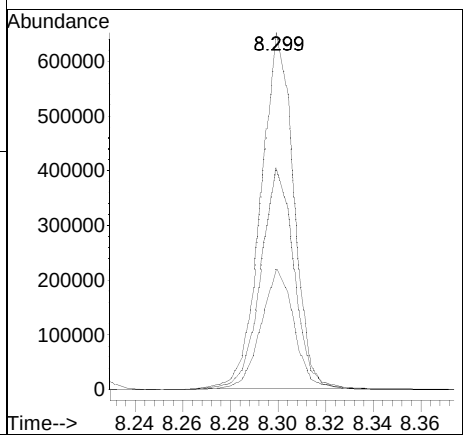


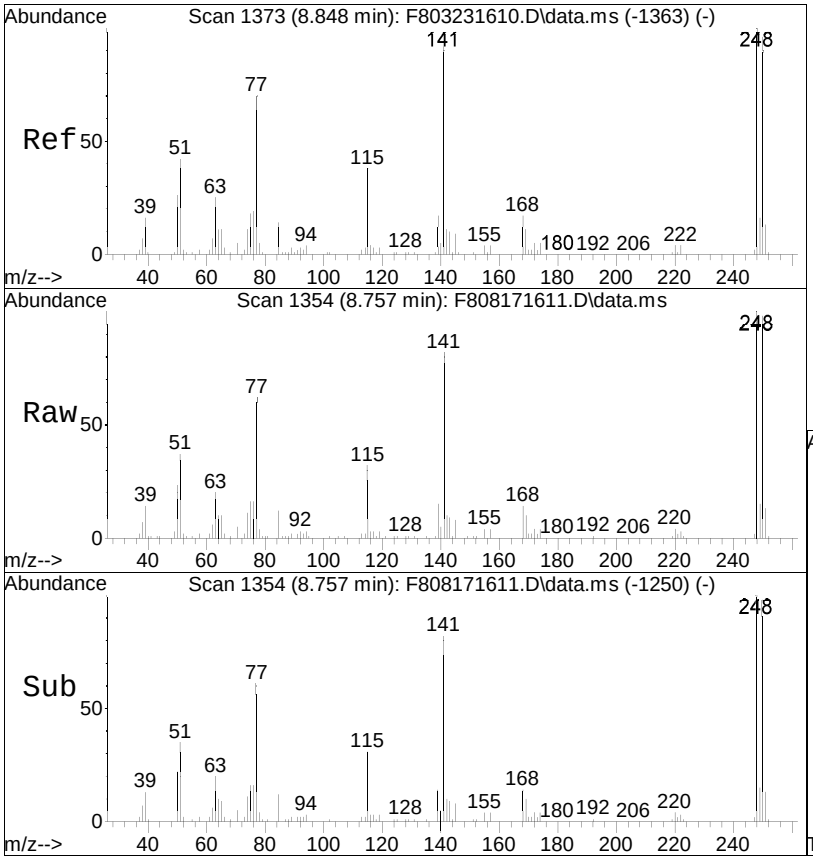


#64
n-Nitrosodiphenylamine
Concen: 9.07 ug/mL
RT: 8.299 min Scan# 1259
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:169 Resp: 617162

Ion	Ratio	Lower	Upper
169	100		
168	63.4	49.4	74.2
167	34.5	26.7	40.1

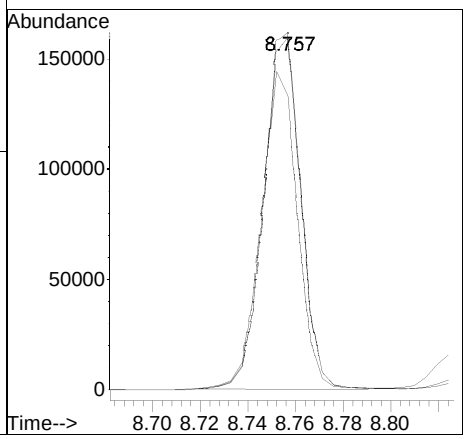


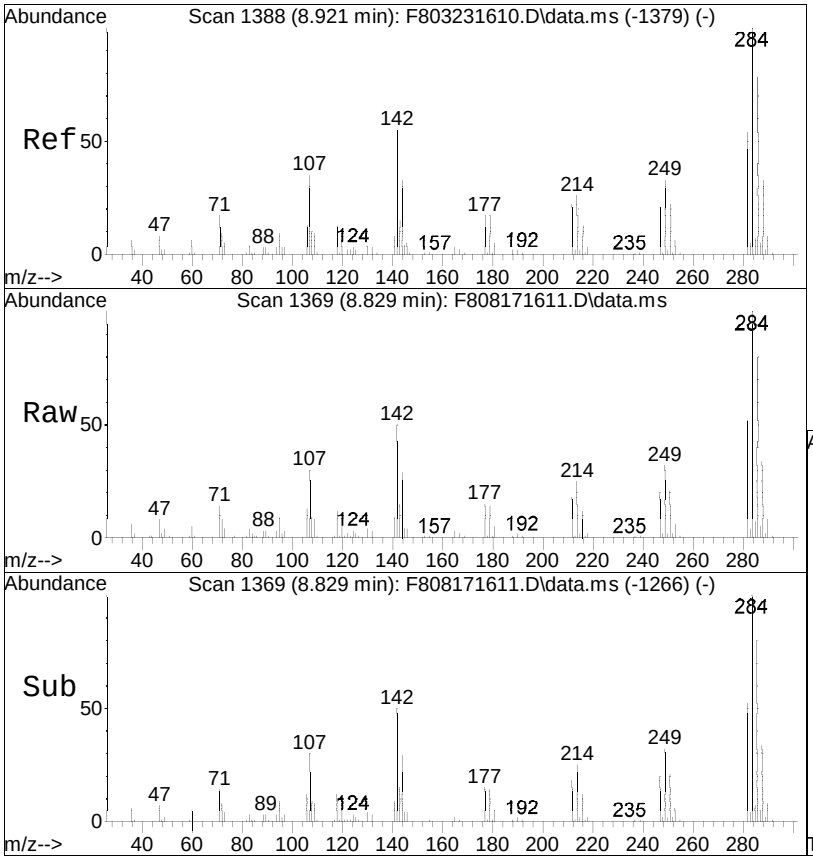


#66
4-Bromophenyl-phenylether
Concen: 7.27 ug/mL
RT: 8.757 min Scan# 1354
Delta R.T. 0.000 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:248 Resp: 174486

Ion	Ratio	Lower	Upper
248	100		
250	97.9	77.3	115.9
141	86.7	61.7	92.5

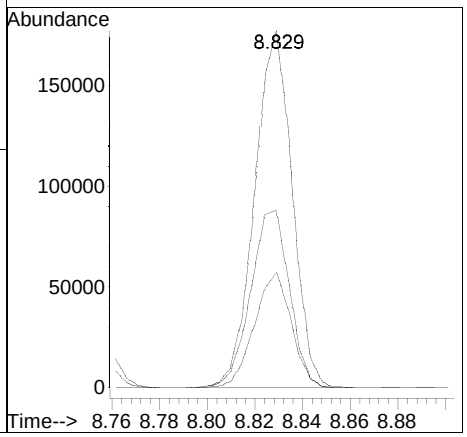


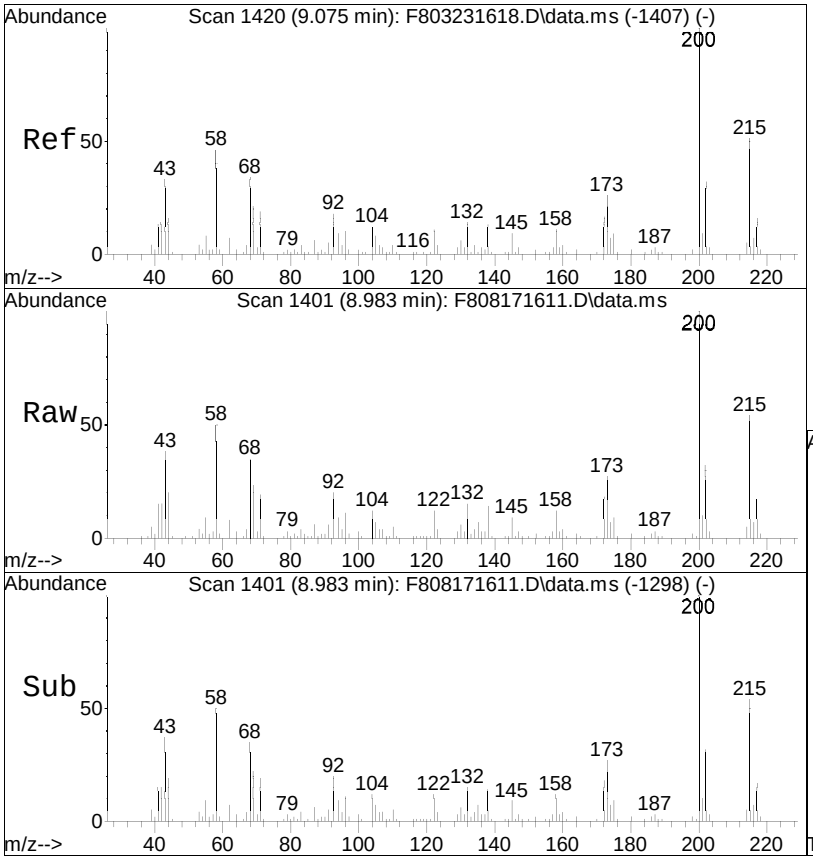


#67
Hexachlorobenzene
Concen: 7.87 ug/mL
RT: 8.829 min Scan# 1369
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:284 Resp: 193274

Ion	Ratio	Lower	Upper
284	100		
142	51.7	37.8	56.6
249	32.0	24.8	37.2

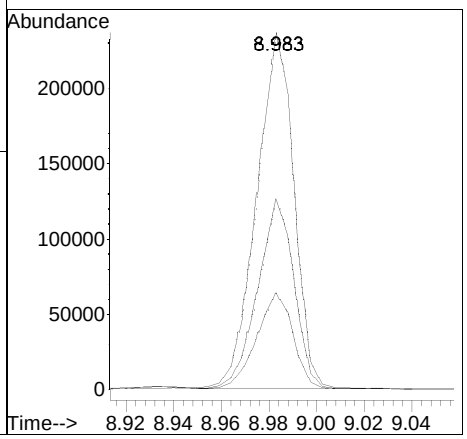


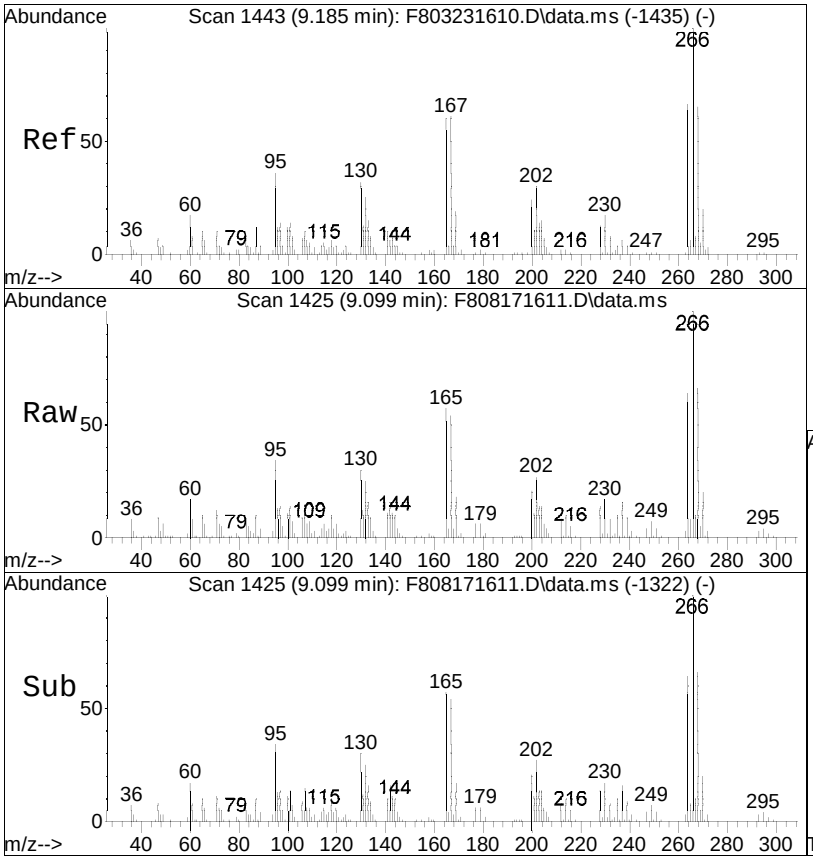


#68
Atrazine
Concen: 9.32 ug/ml
RT: 8.983 min Scan# 1401
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:200 Resp: 255061

Ion	Ratio	Lower	Upper
200	100		
173	27.0	22.4	33.6
215	52.2	43.8	65.6

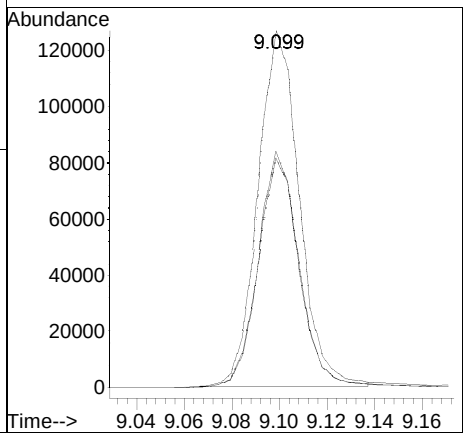


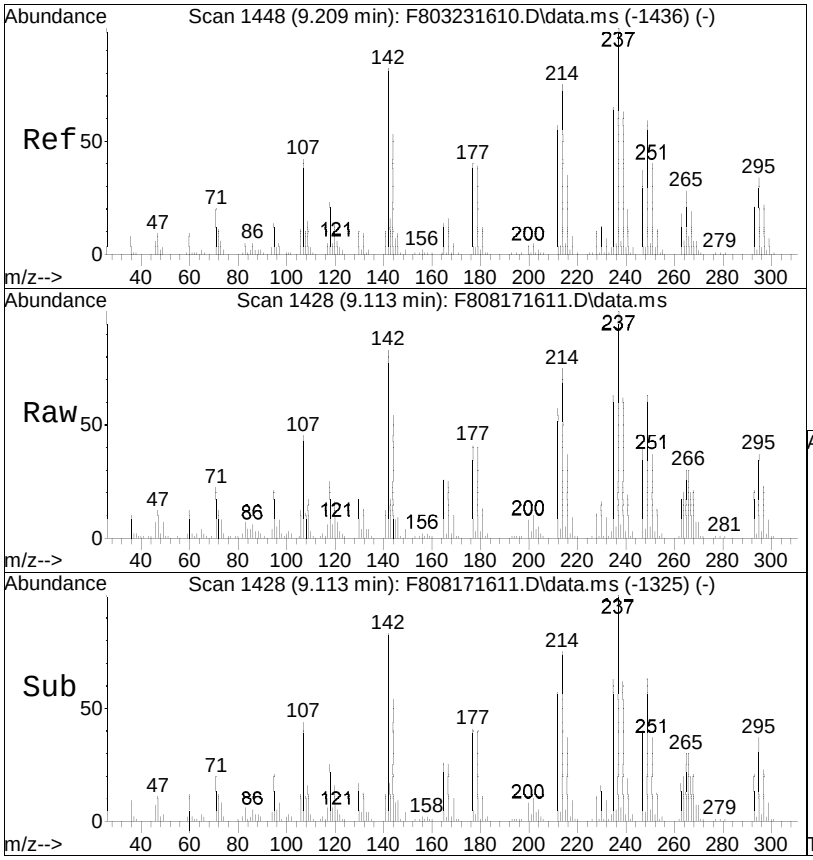


#69
Pentachlorophenol
Concen: 8.34 ug/mL
RT: 9.099 min Scan# 1425
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:266 Resp: 151842

Ion	Ratio	Lower	Upper
266	100		
264	63.9	49.7	74.5
268	64.9	48.1	72.1

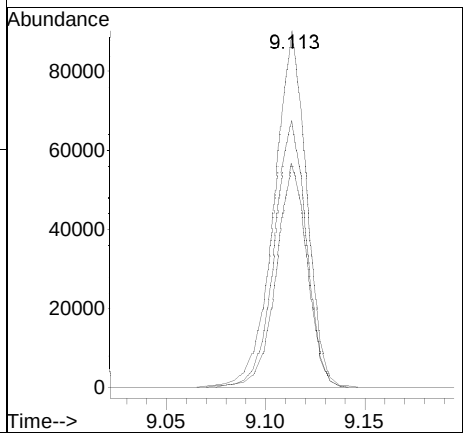


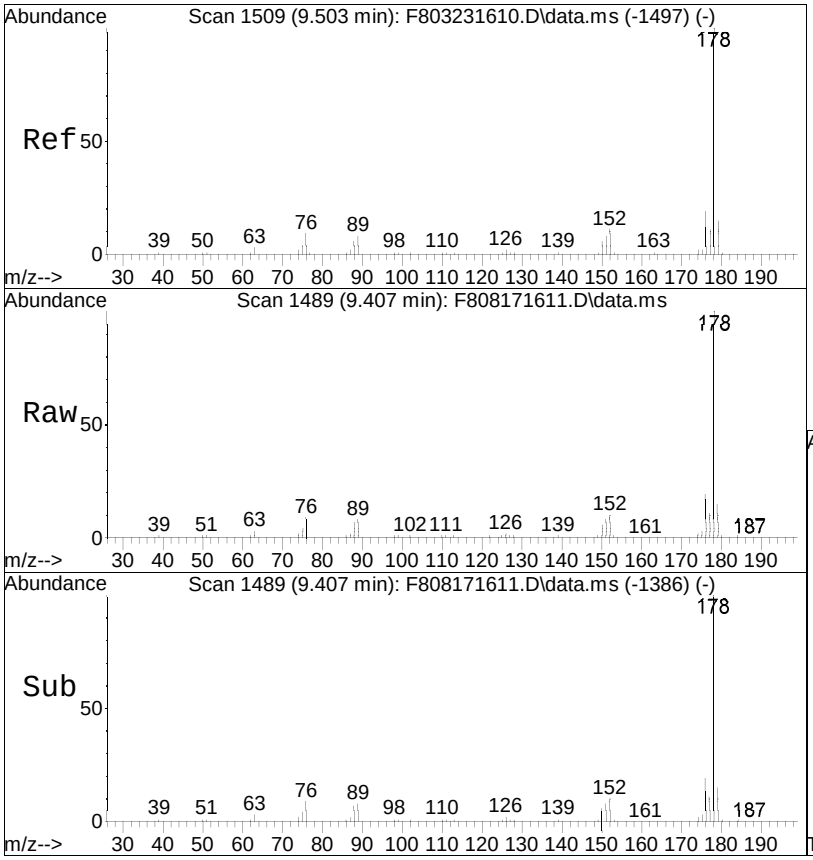


#70
Pentachloronitrobenzene
Concen: 9.77 ug/ml
RT: 9.113 min Scan# 1428
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:237 Resp: 102860

Ion	Ratio	Lower	Upper
237	100		
214	73.1	63.4	95.2
249	59.8	54.9	82.3

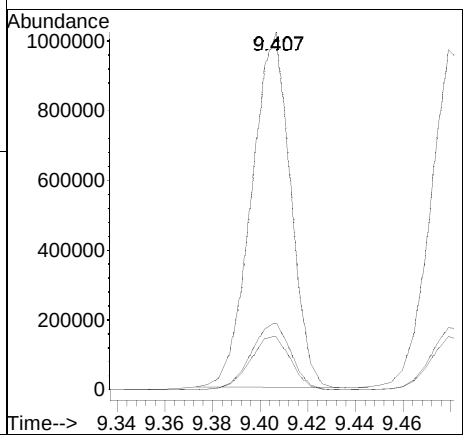


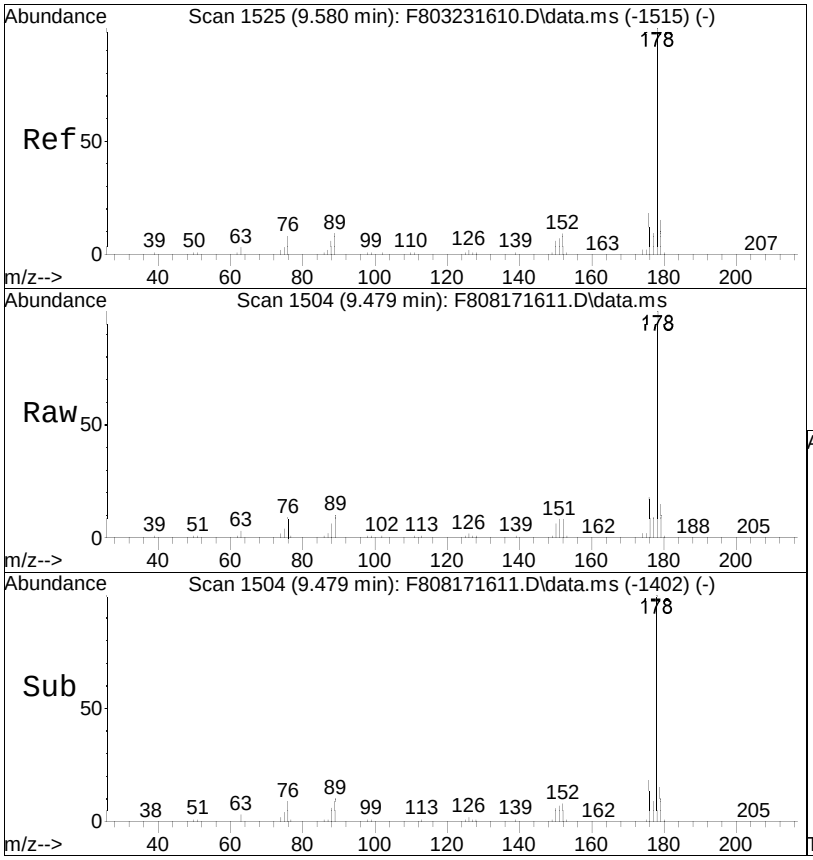


#71
Phenanthrene
Concen: 8.17 ug/mL
RT: 9.407 min Scan# 1489
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:178 Resp: 1153127

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.4	18.6
176	18.8	15.0	22.6

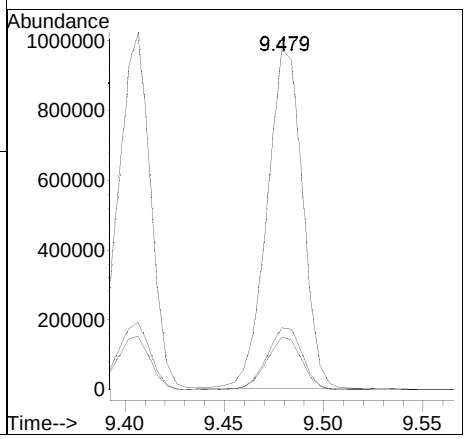


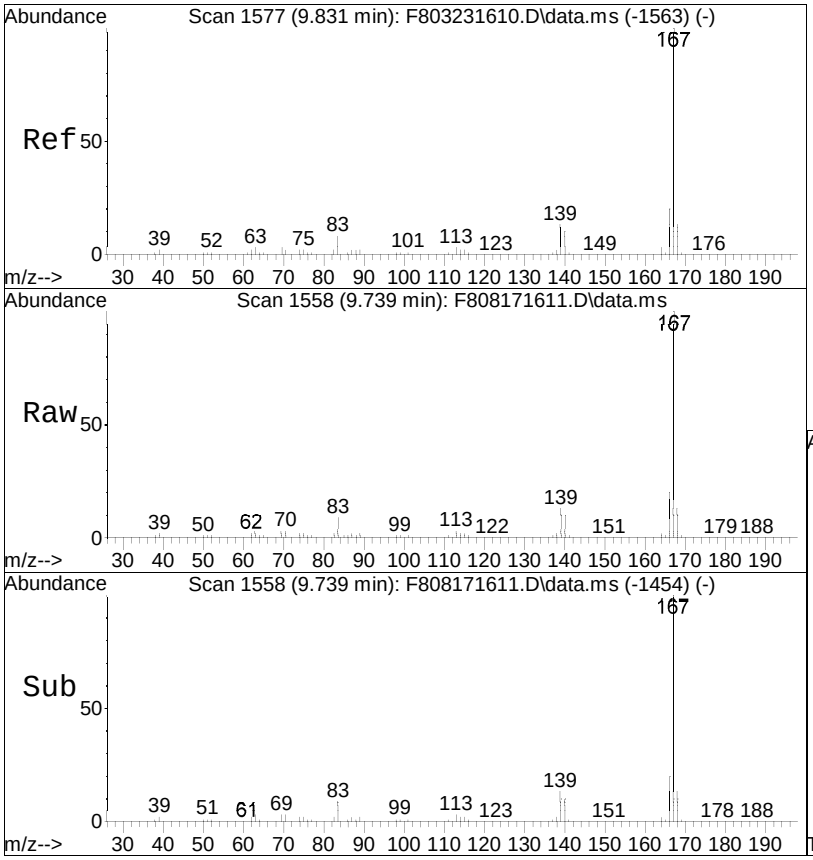


#72
Anthracene
Concen: 8.67 ug/mL
RT: 9.479 min Scan# 1504
Delta R.T. -0.010 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:178 Resp: 1212841

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	18.8
176	18.1	14.6	22.0

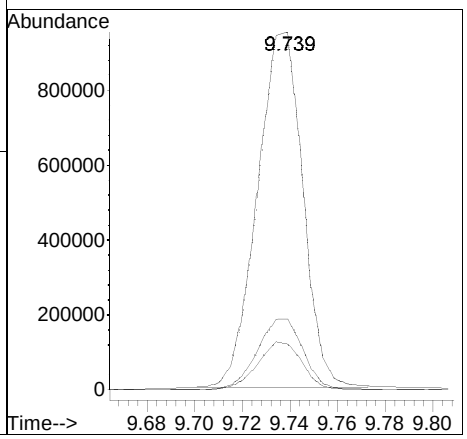


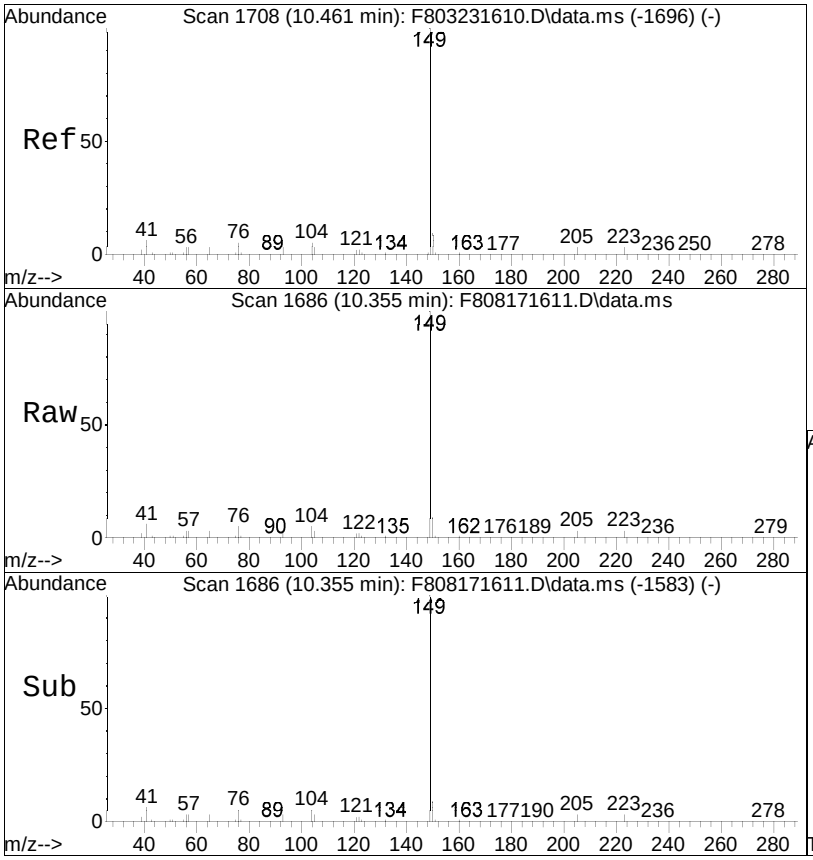


#73
Carbazole
Concen: 9.38 ug/mL
RT: 9.739 min Scan# 1558
Delta R.T. 0.000 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:167 Resp: 1240477

Ion	Ratio	Lower	Upper
167	100		
139	13.1	10.3	15.5
166	20.1	15.9	23.9

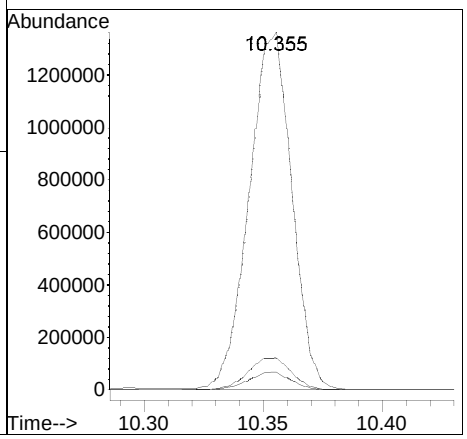


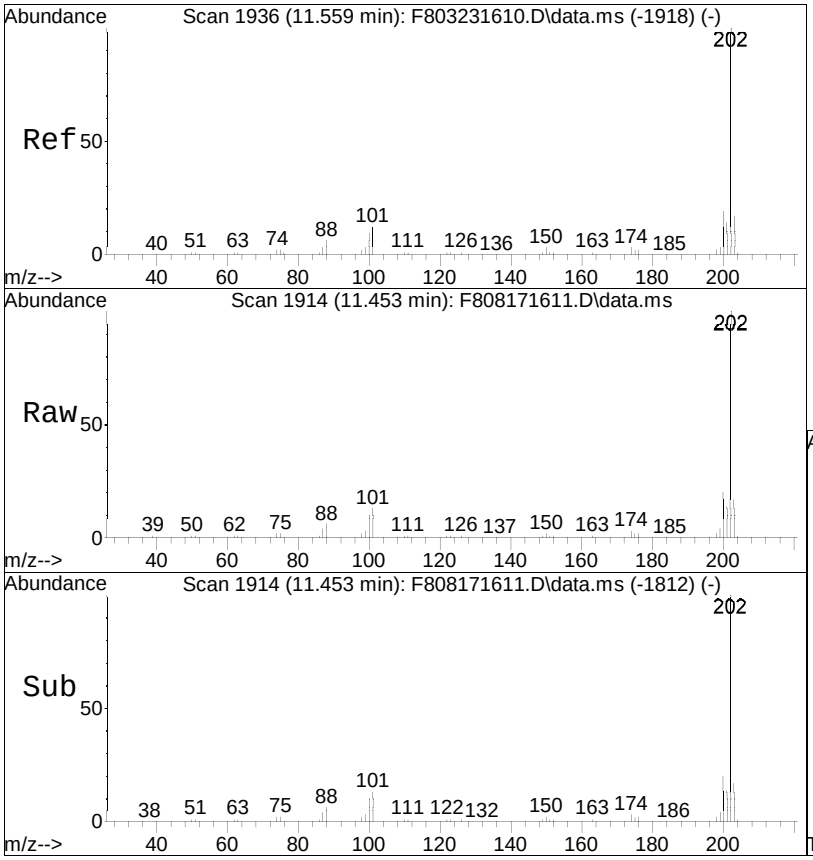


#74
Di-n-butylphthalate
Concen: 10.08 ug/mL
RT: 10.355 min Scan# 1686
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:149 Resp: 1672380

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	5.0	3.5	5.3

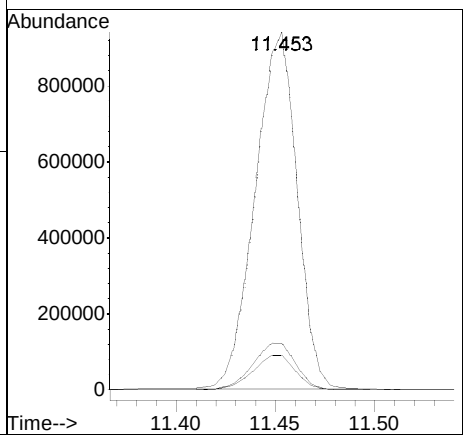


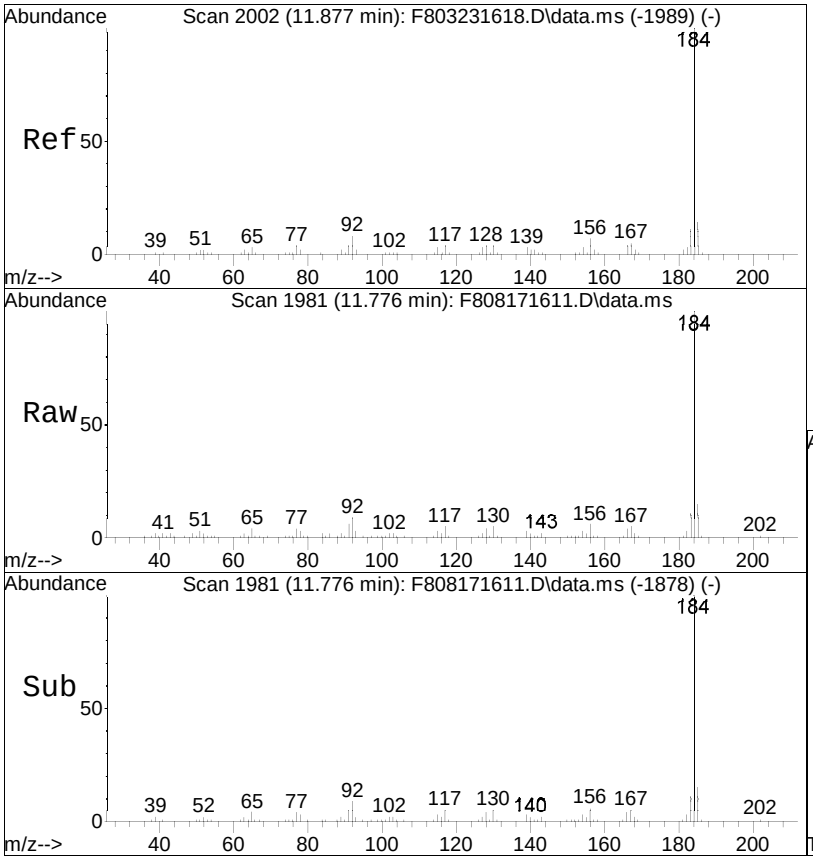


#75
Fluoranthene
Concen: 9.08 ug/mL
RT: 11.453 min Scan# 1914
Delta R.T. -0.010 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:202 Resp: 1366462

Ion	Ratio	Lower	Upper
202	100		
101	13.5	13.4	20.2
100	10.0	9.4	14.2

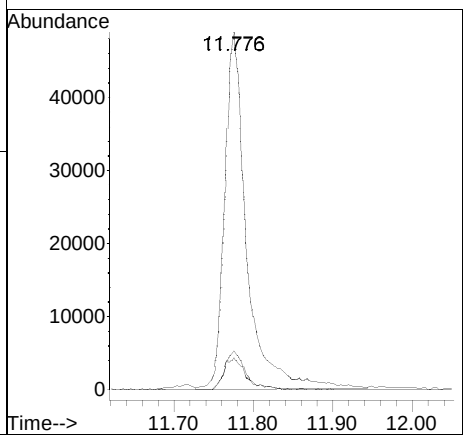


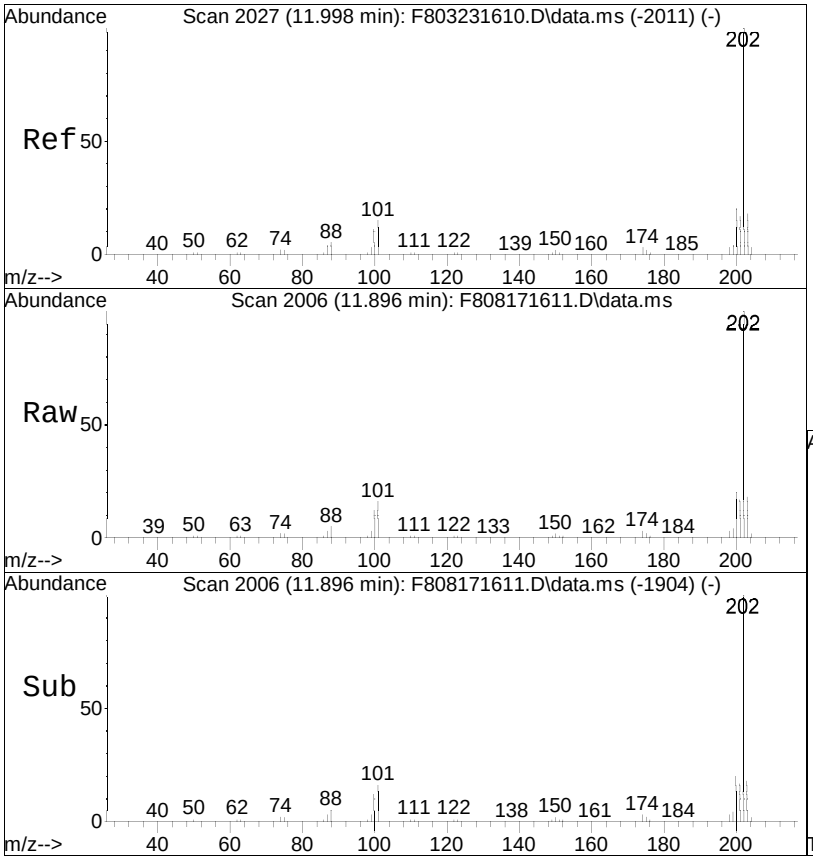


#77
Benzidine
Concen: 0.92 ug/mL
RT: 11.776 min Scan# 1981
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:184 Resp: 91779

Ion	Ratio	Lower	Upper
184	100		
183	10.6	9.0	13.4
92	9.3	7.4	11.2

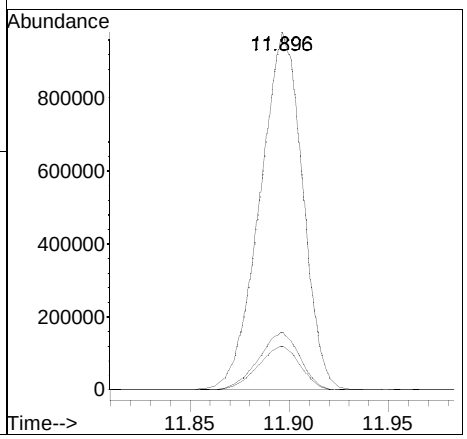


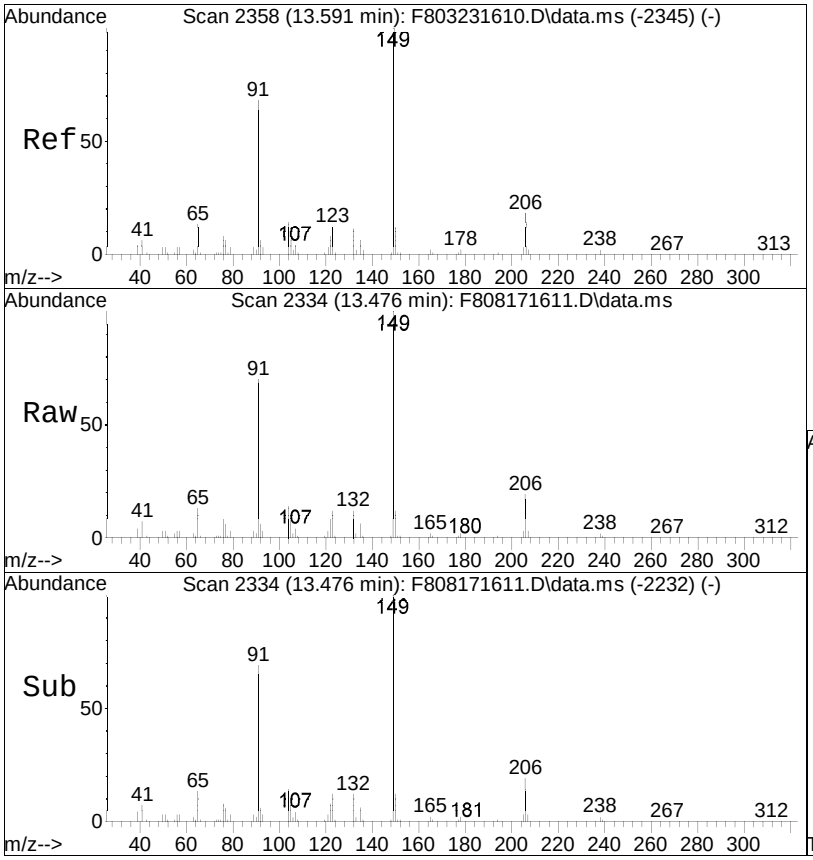


#78
Pyrene
Concen: 9.59 ug/mL
RT: 11.896 min Scan# 2006
Delta R.T. -0.010 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:202 Resp: 1441420

Ion	Ratio	Lower	Upper
202	100		
101	15.9	14.9	22.3
100	12.3	11.4	17.2

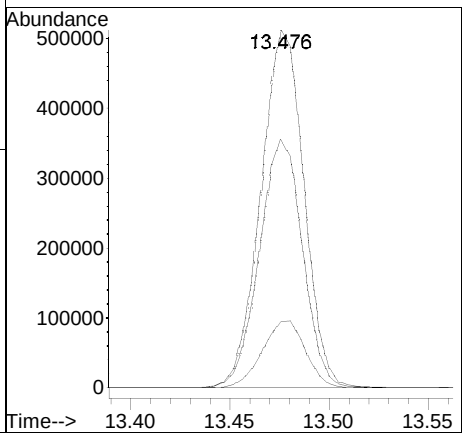


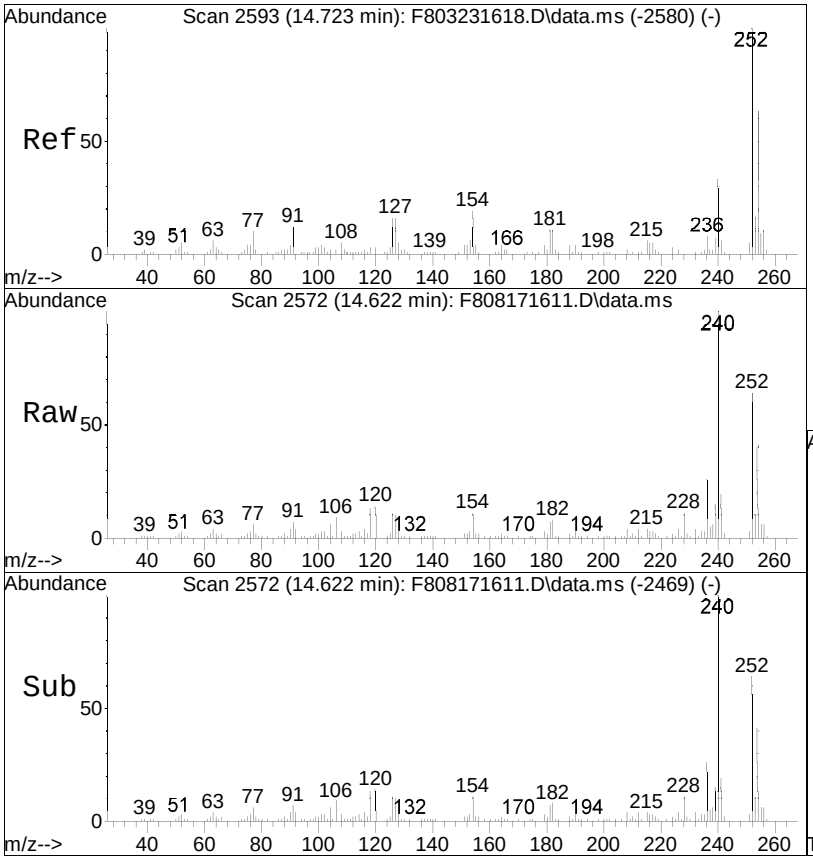


#80
Butylbenzylphthalate
Concen: 9.73 ug/mL
RT: 13.476 min Scan# 2334
Delta R.T. -0.010 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:149 Resp: 764983

Ion	Ratio	Lower	Upper
149	100		
91	69.5	50.8	76.2
206	18.9	15.0	22.4

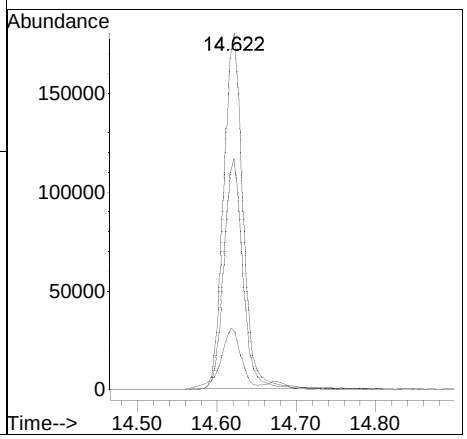


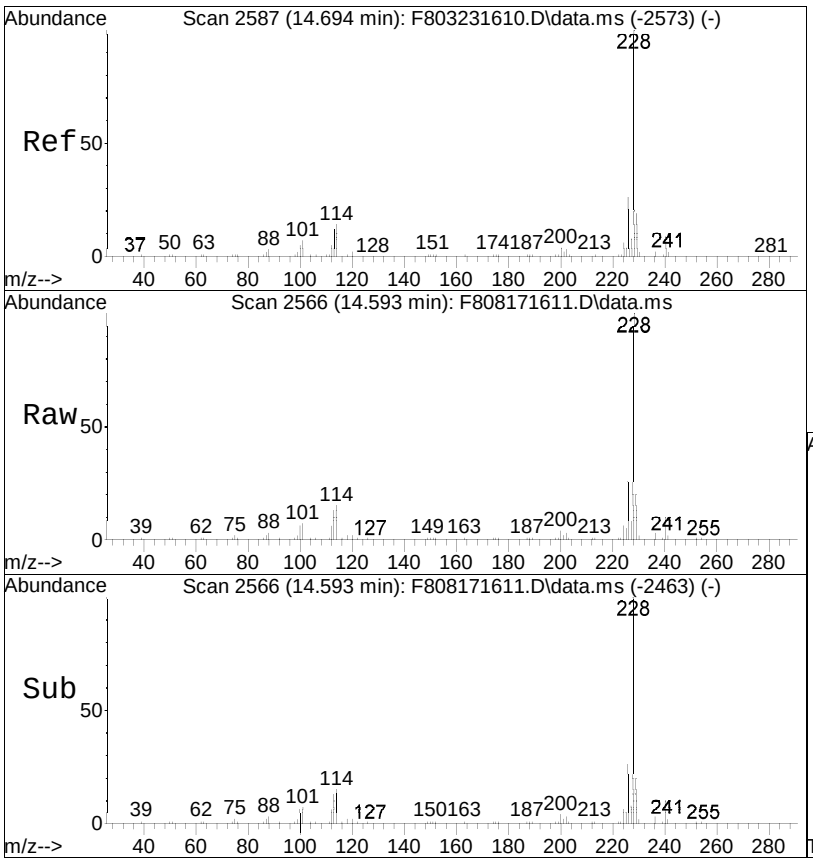


#81
3,3'-Dichlorobenzidine
Concen: 6.16 ug/mL
RT: 14.622 min Scan# 2572
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:252 Resp: 302037

Ion	Ratio	Lower	Upper
252	100		
254	64.3	52.0	78.0
126	18.4	13.6	20.4

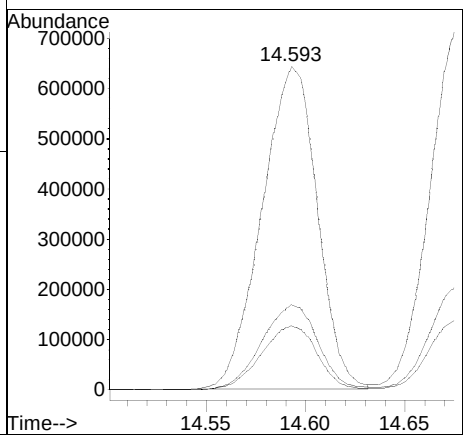


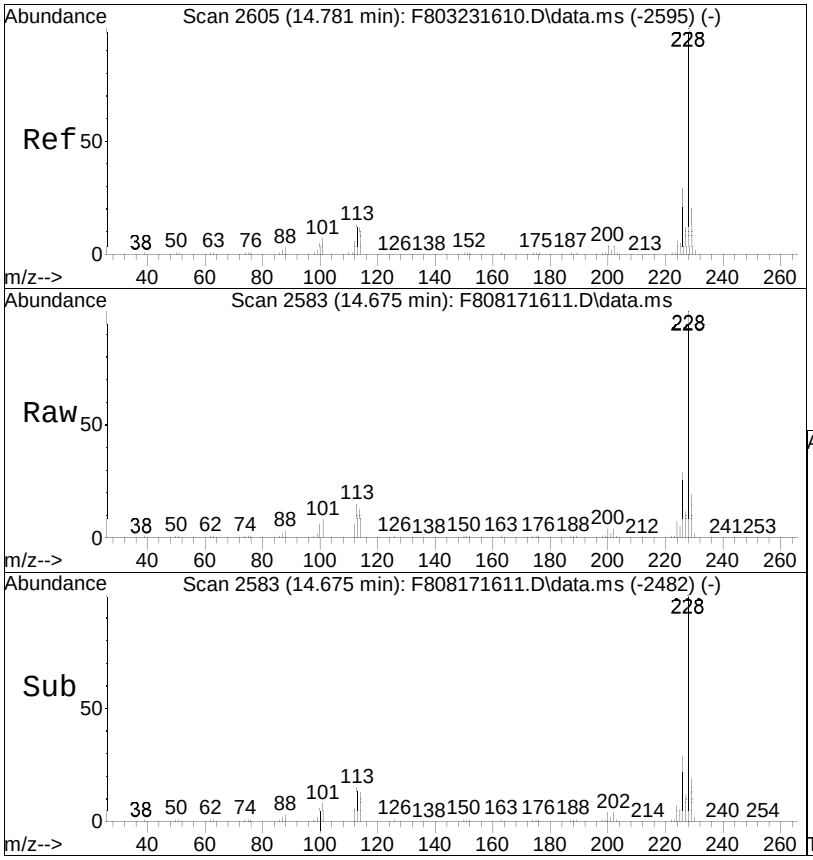


#82
Benz[a]anthracene
Concen: 9.50 ug/mL
RT: 14.593 min Scan# 2566
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:228 Resp: 1244655

Ion	Ratio	Lower	Upper
228	100		
229	19.9	15.9	23.9
226	26.6	21.2	31.8

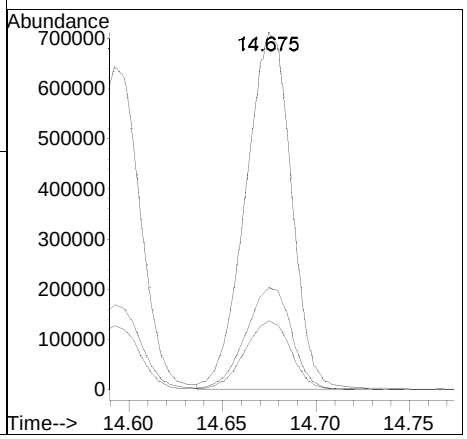


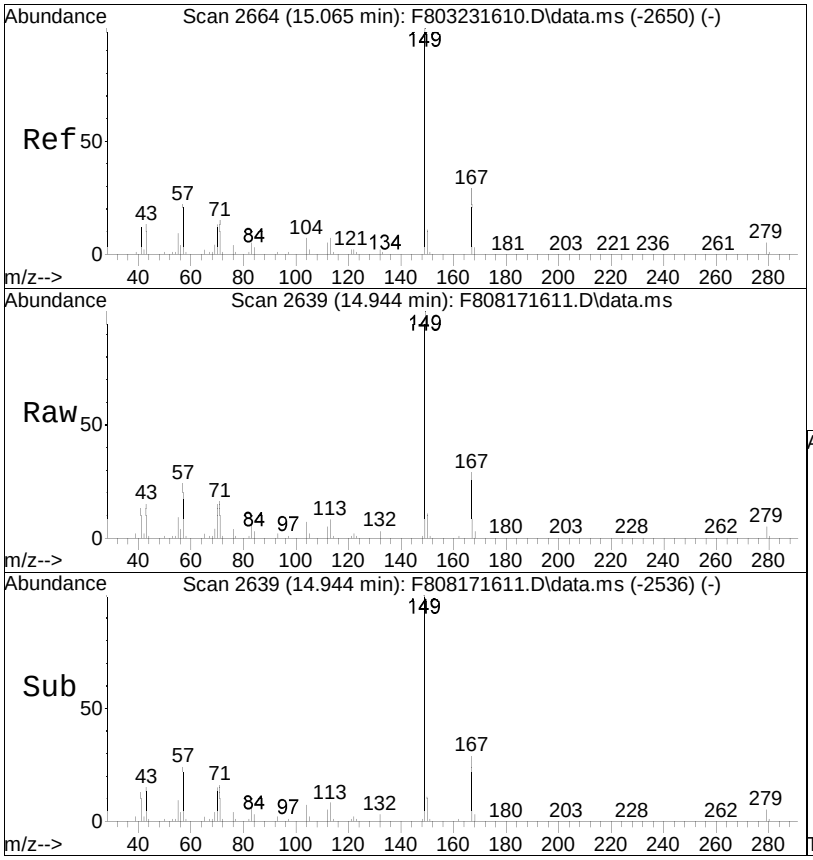


#83
Chrysene
Concen: 9.16 ug/mL M4
RT: 14.675 min Scan# 2583
Delta R.T. -0.014 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:228 Resp: 1207706

Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.7	35.5
229	19.3	15.8	23.8

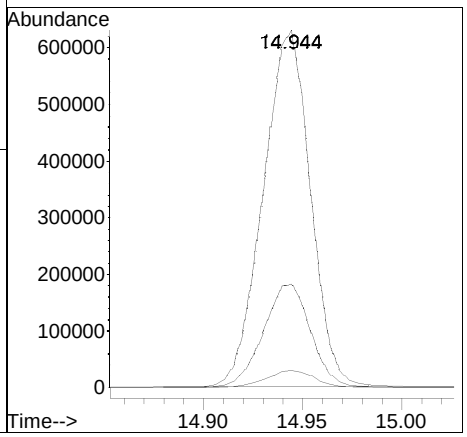


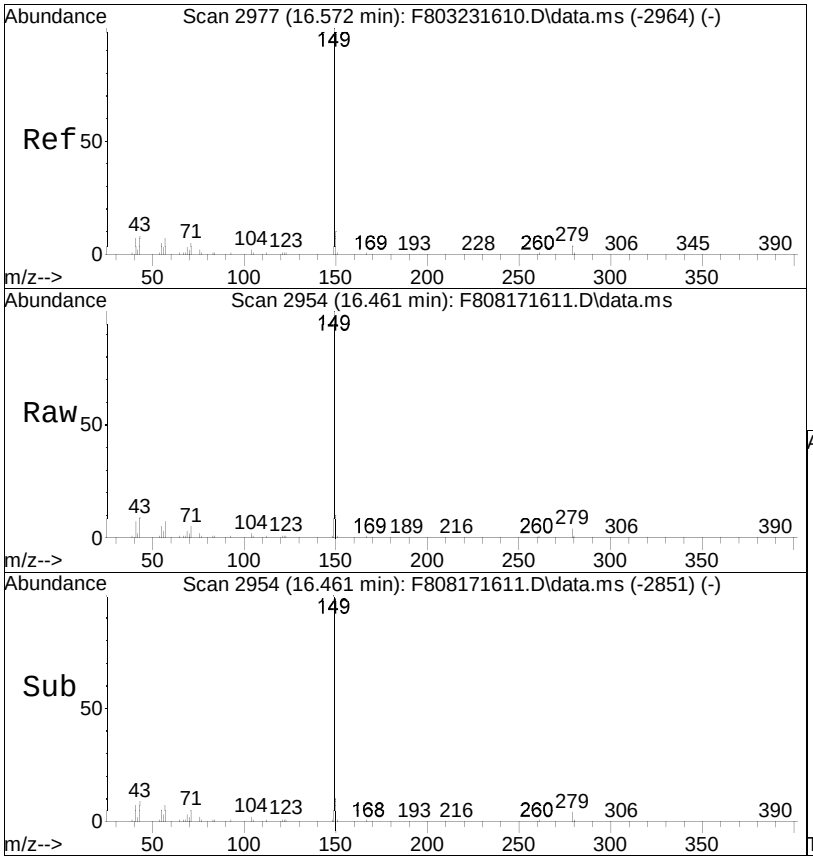


#84
bis(2-Ethylhexyl)phthalate
Concen: 10.01 ug/mL
RT: 14.944 min Scan# 2639
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:149 Resp: 1035929

Ion	Ratio	Lower	Upper
149	100		
167	29.1	23.8	35.6
279	4.8	4.0	6.0

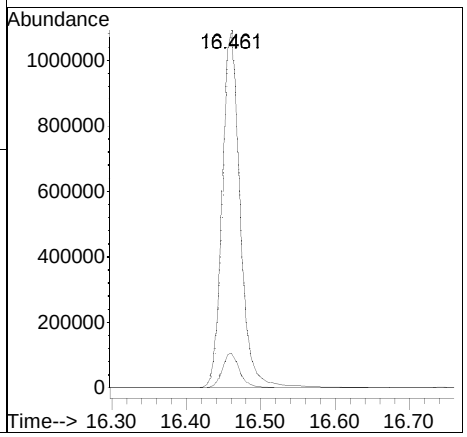


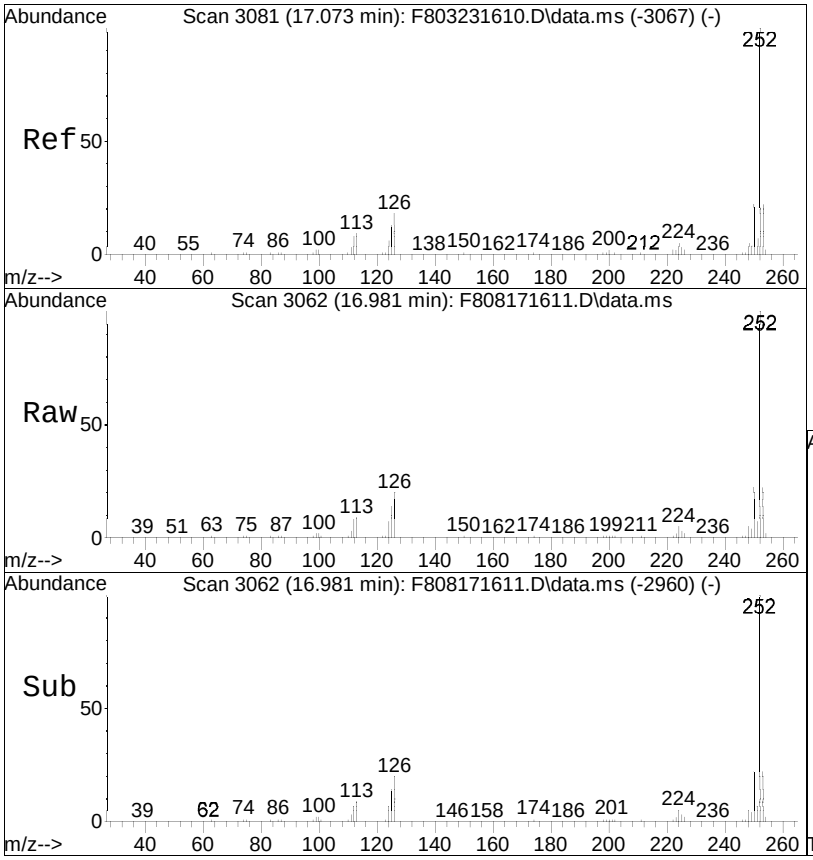


#86
Di-n-octylphthalate
Concen: 9.42 ug/mL
RT: 16.461 min Scan# 2954
Delta R.T. -0.005 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:149 Resp: 1776113

Ion	Ratio	Lower	Upper
149	100		
150	9.7	8.1	12.1

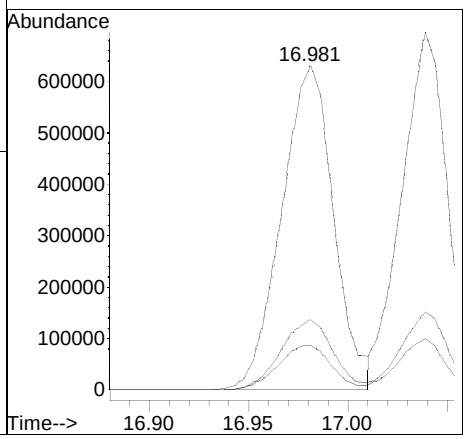


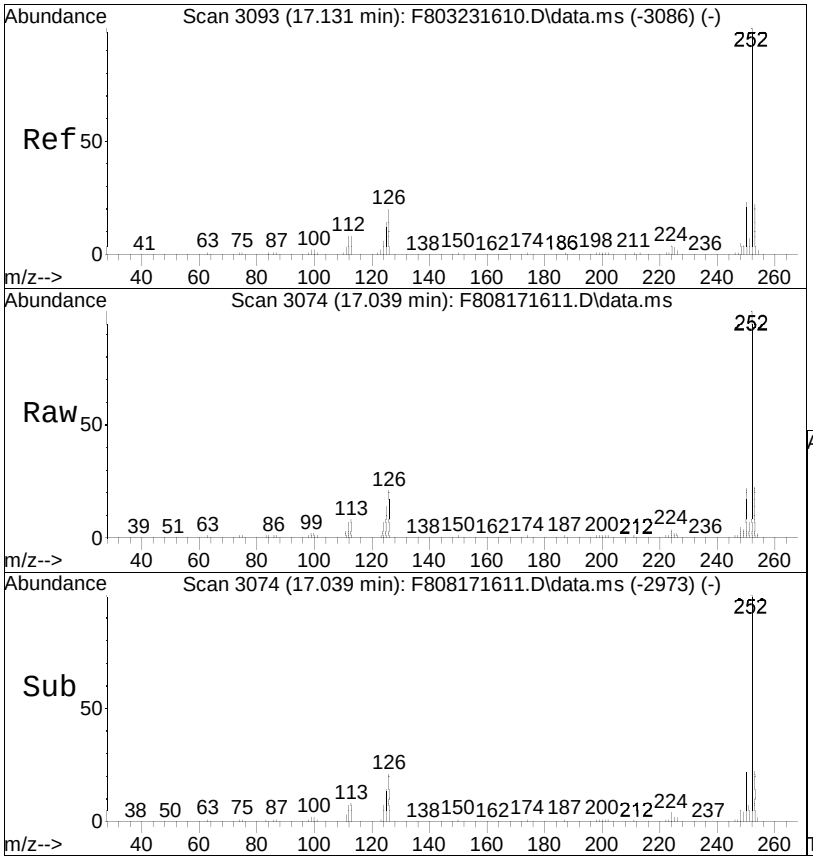


#87
Benzo[b]fluoranthene
Concen: 9.57 ug/mL
RT: 16.981 min Scan# 3062
Delta R.T. -0.010 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:252 Resp: 1147103

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	14.3	13.7	20.5

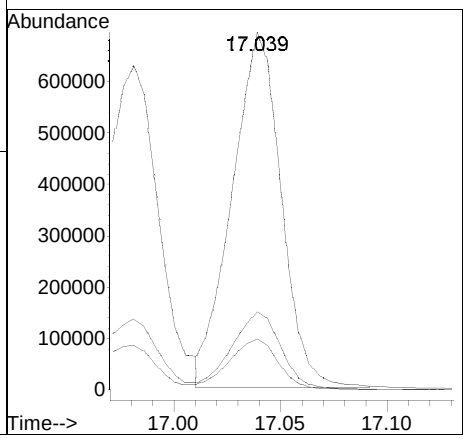


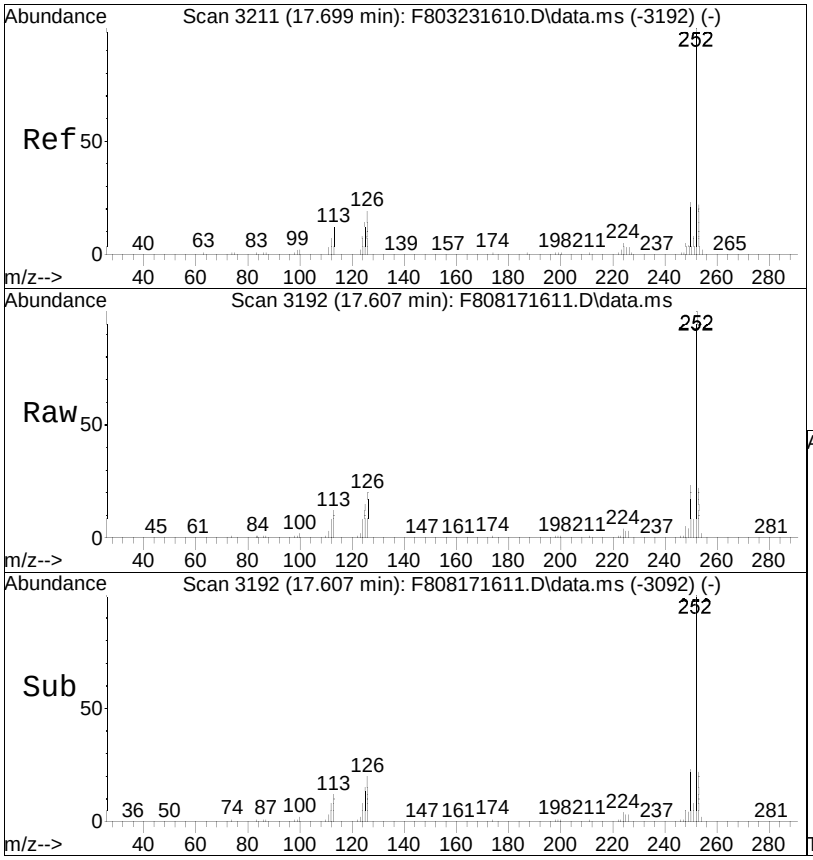


#88
Benzo[k]fluoranthene
Concen: 9.27 ug/mL M4
RT: 17.039 min Scan# 3074
Delta R.T. -0.014 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:252 Resp: 1105146

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.3	25.9
125	15.3	13.3	19.9

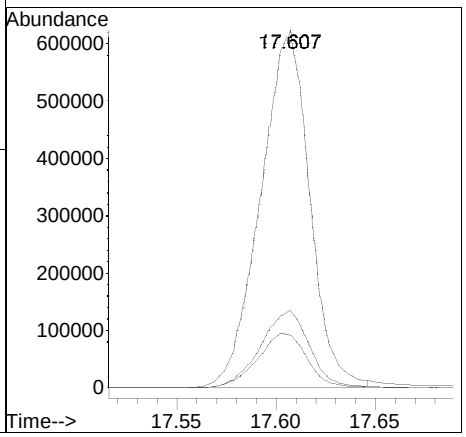


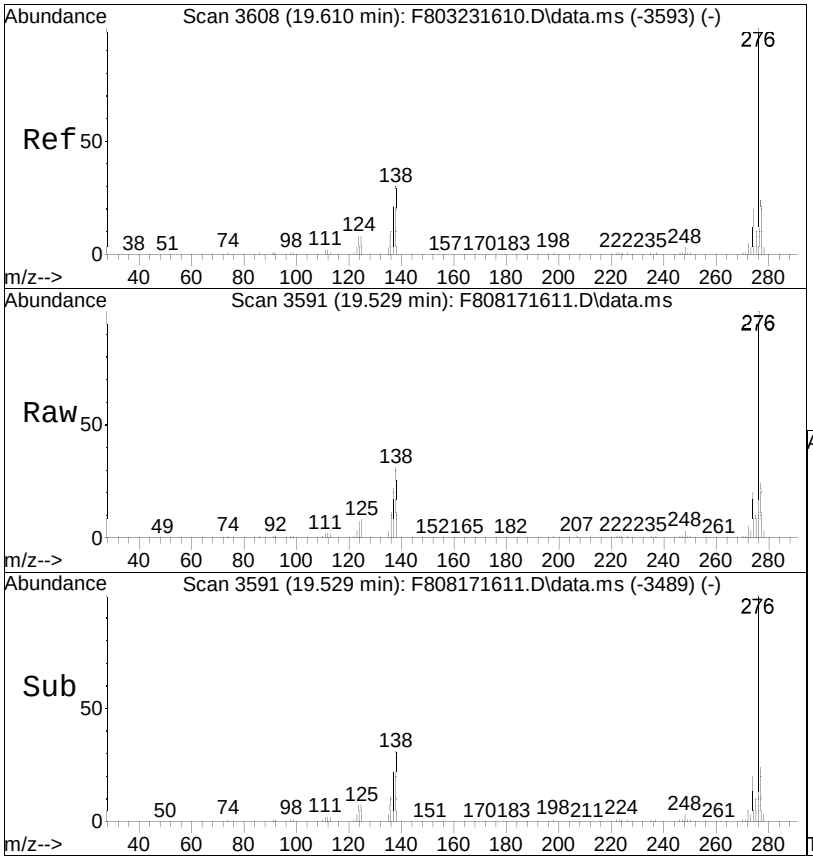


#89
Benzo[a]pyrene
Concen: 9.08 ug/mL
RT: 17.607 min Scan# 3192
Delta R.T. -0.019 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:252 Resp: 1059236

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	15.5	14.3	21.5

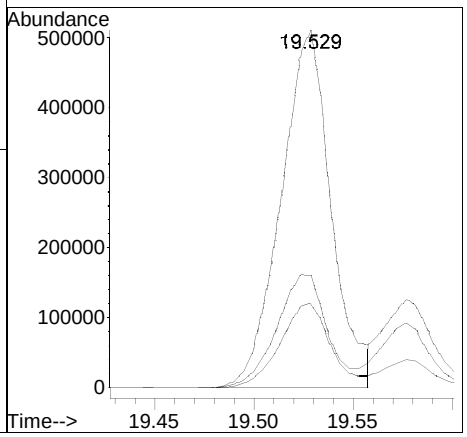


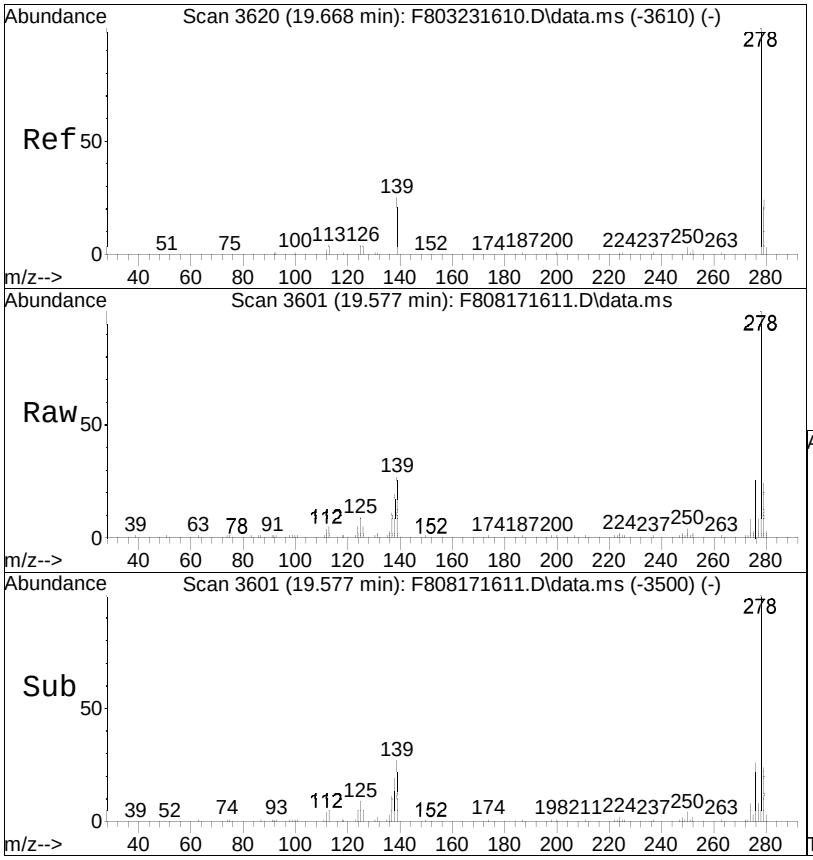


#90
Indeno[1,2,3-cd]pyrene
Concen: 9.37 ug/mL
RT: 19.529 min Scan# 3591
Delta R.T. -0.010 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:276 Resp: 892925

Ion	Ratio	Lower	Upper
276	100		
138	33.7	28.2	42.2
277	24.1	19.4	29.0

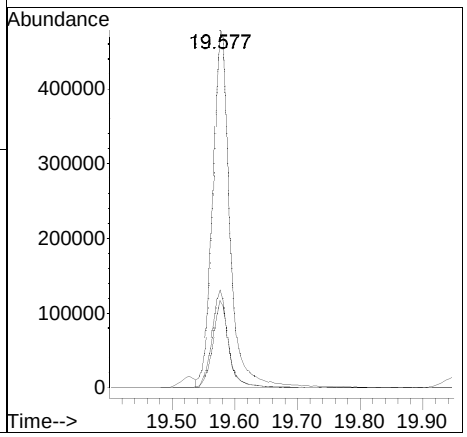


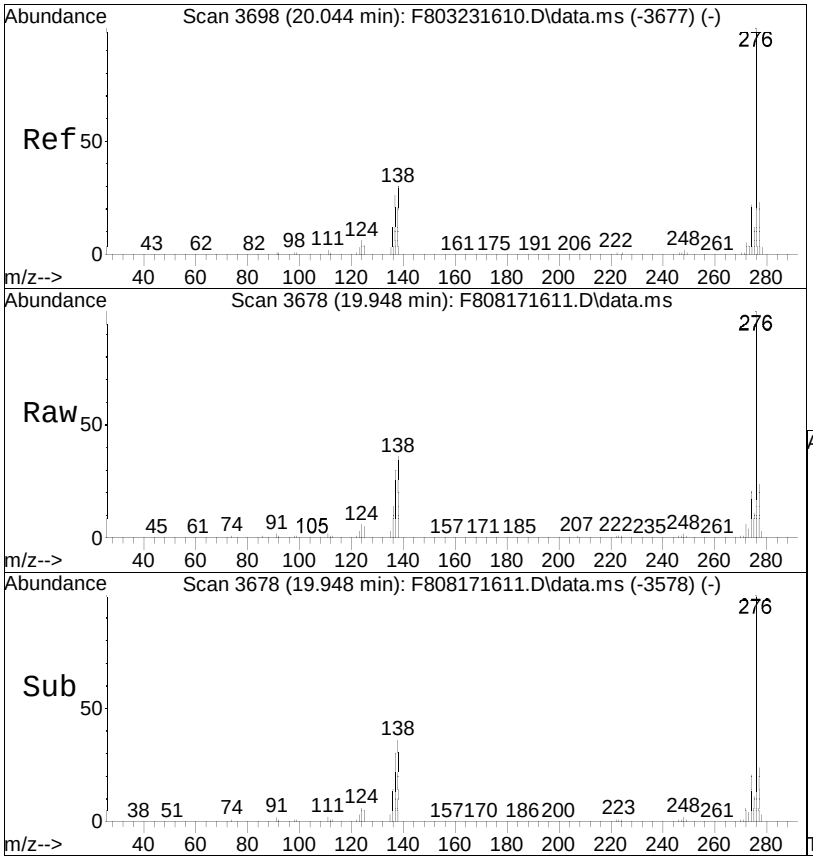


#91
Dibenz[a,h]anthracene
Concen: 9.37 ug/mL
RT: 19.577 min Scan# 3601
Delta R.T. -0.014 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:278 Resp: 904271

Ion	Ratio	Lower	Upper
278	100		
139	26.0	23.4	35.0
279	23.1	19.4	29.0

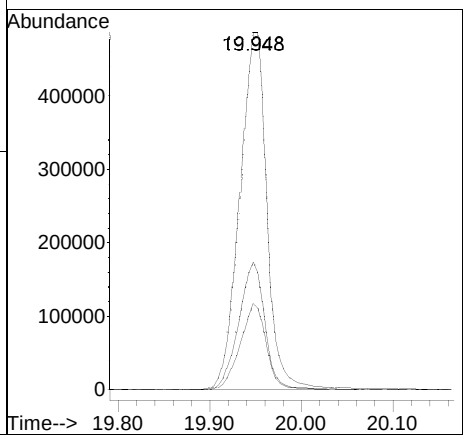




#92
Benzo[g,h,i]perylene
Concen: 9.25 ug/mL
RT: 19.948 min Scan# 3678
Delta R.T. -0.019 min
Lab File: F808171611.D
Acq: 17 Aug 2016 4:18 pm

Tgt Ion:276 Resp: 990966

Ion	Ratio	Lower	Upper
276	100		
138	34.1	31.4	47.2
277	23.8	19.4	29.0



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171612.D
Acq On : 17 Aug 2016 4:50 pm
Operator : BNA8:ML
Sample : WG923180-5
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 19 09:44:23 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.722	152	236597	5.000	ug/mL	0.00
21) Naphthalene-d8	5.882	136	881770	5.000	ug/mL	0.00
38) Acenaphthene-d10	7.577	164	414329	5.000	ug/mL	0.00
61) Phenanthrene-d10	9.368	188	749403	5.000	ug/mL	0.00
76) Chrysene-d12	14.617	240	669039	5.000	ug/mL	0.00
85) Perylene-d12	17.713	264	639987	5.000	ug/mL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.672	112	512983M4	9.022	ug/mL	0.00
Spiked Amount 20.000	Range 21 - 100		Recovery = 45.11%			
8) Phenol-d5	4.394	99	415066	6.026	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 94		Recovery = 30.13%			
22) Nitrobenzene-d5	5.218	82	945101	17.243	ug/mL	0.00
Spiked Amount 20.000	Range 35 - 114		Recovery = 86.22%			
43) 2-Fluorobiphenyl	6.917	172	1672127	15.269	ug/mL	0.00
Spiked Amount 20.000	Range 43 - 116		Recovery = 76.34%			
65) 2,4,6-Tribromophenol	8.444	330	201979	20.218	ug/mL	0.00
Spiked Amount 20.000	Range 10 - 123		Recovery = 101.09%			
79) Terphenyl-d14	12.306	244	1812972	19.133	ug/mL	0.00
Spiked Amount 20.000	Range 33 - 141		Recovery = 95.67%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.757	74	137639M1	4.527	ug/mL	
3) Pyridine	2.771	79	208554M4	3.606	ug/mL	
5) Benzaldehyde	4.360	77	340299	7.311	ug/ml	89
6) Aniline	4.442	93	495755M4	5.643	ug/ml	
7) bis(2-Chloroethyl)ether	4.490	63	308158M4	8.009	ug/mL	
9) Phenol	4.409	94	222093M4	3.105	ug/mL	
10) 2-Chlorophenol	4.543	128	453171	7.324	ug/mL	94
11) 1,3-Dichlorobenzene	4.673	146	193139	2.845	ug/mL	100
12) 1,4-Dichlorobenzene	4.736	146	200367M4	2.956	ug/mL	
13) 1,2-Dichlorobenzene	4.871	146	208715M4	3.241	ug/mL	
14) Benzyl alcohol	4.837	108	256147	6.807	ug/mL#	83
15) bis(2-chloroisopropyl)eth	4.953	45	536571	7.759	ug/mL#	64
16) 2-Methylphenol	4.929	108	318301	6.544	ug/mL	99
17) Acetophenone	5.078	105	596057	7.691	ug/ml#	71
18) Hexachloroethane	5.169	117	63788	2.311	ug/mL	99
19) N-Nitroso-di-n-propylamin	5.073	70	324801	8.543	ug/mL#	89
20) 4-Methylphenol	5.068	108	318082	6.002	ug/mL	98

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171612.D
Acq On : 17 Aug 2016 4:50 pm
Operator : BNA8:ML
Sample : WG923180-5
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 19 09:44:23 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Nitrobenzene	5.232	77	455246	8.268	ug/mL	94
24) Isophorone	5.449	82	780174	9.054	ug/mL	97
25) 2-Nitrophenol	5.526	139	267278	8.477	ug/mL#	86
26) 2,4-Dimethylphenol	5.555	107	343150	6.903	ug/mL	96
27) Benzoic acid	5.670	105	711313M4	18.286	ug/mL	
28) bis(2-Chloroethoxy)methan	5.641	93	539261	8.519	ug/mL#	96
29) 2,4-Dichlorophenol	5.747	162	393515	8.434	ug/mL	98
30) 1,2,4-Trichlorobenzene	5.824	180	166193	3.336	ug/mL	99
31) Naphthalene	5.901	128	796890	4.948	ug/mL	100
32) 2-Chloroaniline	5.492	127	637440	7.830	ug/ml	99
33) 4-Chloroaniline	5.949	127	504445M4	7.309	ug/mL	
34) Hexachlorobutadiene	6.012	225	60324	2.367	ug/mL	99
35) Caprolactam	6.277	113	45790	2.672	ug/ml#	81
36) 4-Chloro-3-methylphenol	6.412	107	408309	9.110	ug/mL	96
37) 2-Methylnaphthalene	6.561	142	512833	4.799	ug/mL	99
39) 1,2,4,5-Tetrachlorobenzen	6.720	216	163790	3.523	ug/mL	99
40) Hexachlorocyclopentadiene	6.710	237	53538	2.330	ug/mL	98
41) 2,4,6-Trichlorophenol	6.835	196	287337M4	8.884	ug/mL	
42) 2,4,5-Trichlorophenol	6.869	196	298321M4	9.156	ug/mL	
44) Biphenyl	7.014	154	852831	6.460	ug/ml#	98
45) 2-Chloronaphthalene	7.033	162	490149	5.004	ug/mL	94
46) 2-Nitroaniline	7.134	65	263566	9.855	ug/mL	83
47) Acenaphthylene	7.437	152	1099930	6.863	ug/mL	99
48) Dimethylphthalate	7.307	163	984171	9.209	ug/mL	99
49) 2,6-Dinitrotoluene	7.370	165	235449	9.464	ug/mL	96
50) Acenaphthene	7.611	153	622689	6.284	ug/mL	91
51) 3-Nitroaniline	7.539	138	235491	8.213	ug/mL	84
52) 2,4-Dinitrophenol	7.644	184	170966	8.947	ug/mL	94
53) Dibenzofuran	7.789	168	877884	6.746	ug/mL	98
54) 2,3,4,6-Tetrachlorophenol	7.919	232	204322	8.860	ug/mL	99
55) 2,4-Dinitrotoluene	7.774	165	314411	9.799	ug/mL#	74
56) 4-Nitrophenol	7.712	109	59043	4.206	ug/mL	87
57) Fluorene	8.165	166	759788	7.299	ug/mL	100
58) 4-Chlorophenyl-phenylethe	8.160	204	289206	6.091	ug/mL	96
59) Diethylphthalate	8.034	149	1045199	9.495	ug/mL	99
60) 4-Nitroaniline	8.189	138	262938	9.107	ug/mL	90
62) 4,6-Dinitro-2-methylpheno	8.222	198	188391	9.231	ug/mL	95
63) Azobenzene	8.348	182	232189	8.052	ug/mL	83
64) n-Nitrosodiphenylamine	8.299	169	662980	9.116	ug/mL	99
66) 4-Bromophenyl-phenylether	8.757	248	183270	7.139	ug/mL	95
67) Hexachlorobenzene	8.829	284	211615	8.058	ug/mL	95

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171612.D
Acq On : 17 Aug 2016 4:50 pm
Operator : BNA8:ML
Sample : WG923180-5
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 19 09:44:23 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Atrazine	8.983	200	267113	9.123	ug/ml	97
69) Pentachlorophenol	9.099	266	174770	8.977	ug/mL	96
70) Pentachloronitrobenzene	9.113	237	112871	10.027	ug/ml	90
71) Phenanthrene	9.407	178	1286129	8.524	ug/mL	100
72) Anthracene	9.484	178	1303813	8.714	ug/mL	99
73) Carbazole	9.739	167	1328990	9.402	ug/mL	99
74) Di-n-butylphthalate	10.355	149	1755680	9.895	ug/mL	99
75) Fluoranthene	11.453	202	1505576	9.361	ug/mL	94
77) Benzidine	11.776	184	308698	2.873	ug/mL	99
78) Pyrene	11.896	202	1583214	9.749	ug/mL	95
80) Butylbenzylphthalate	13.481	149	828184	9.749	ug/mL	93
81) 3,3'-Dichlorobenzidine	14.622	252	346725	6.548	ug/mL	98
82) Benz[a]anthracene	14.593	228	1342869	9.487	ug/mL	100
83) Chrysene	14.680	228	1323780M4	9.296	ug/mL	
84) bis(2-Ethylhexyl)phthalat	14.944	149	1099861	9.835	ug/mL	99
86) Di-n-octylphthalate	16.461	149	1948836	9.080	ug/mL	99
87) Benzo[b]fluoranthene	16.981	252	1293214	9.480	ug/mL	97
88) Benzo[k]fluoranthene	17.039	252	1259130M4	9.285	ug/mL	
89) Benzo[a]pyrene	17.607	252	1222811	9.207	ug/mL	97
90) Indeno[1,2,3-cd]pyrene	19.529	276	1046215	9.645	ug/mL	98
91) Dibenz[a,h]anthracene	19.582	278	1096494	9.982	ug/mL	95
92) Benzo[g,h,i]perylene	19.952	276	1141845	9.362	ug/mL	96

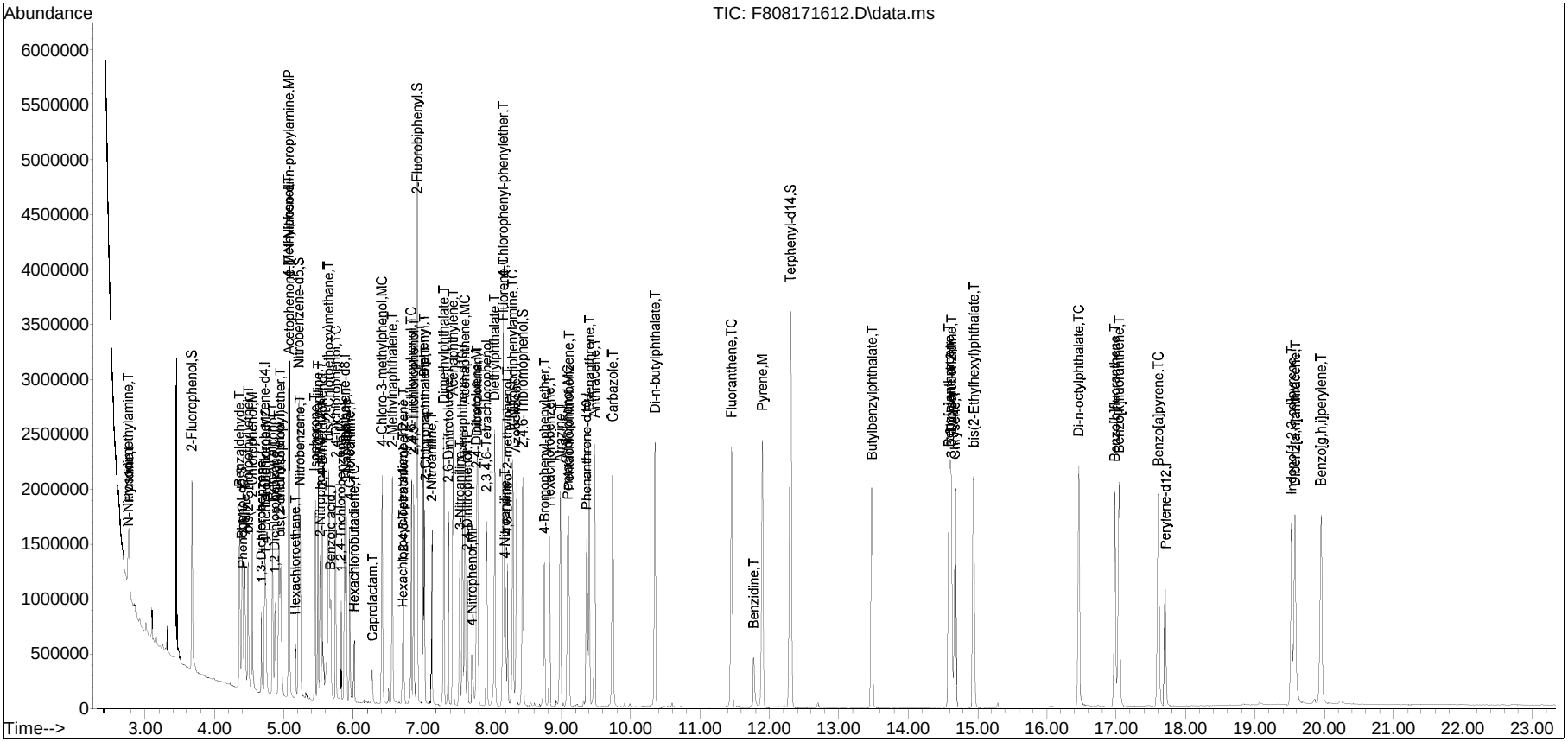
(#) = qualifier out of range (m) = manual integration (+) = signals summed

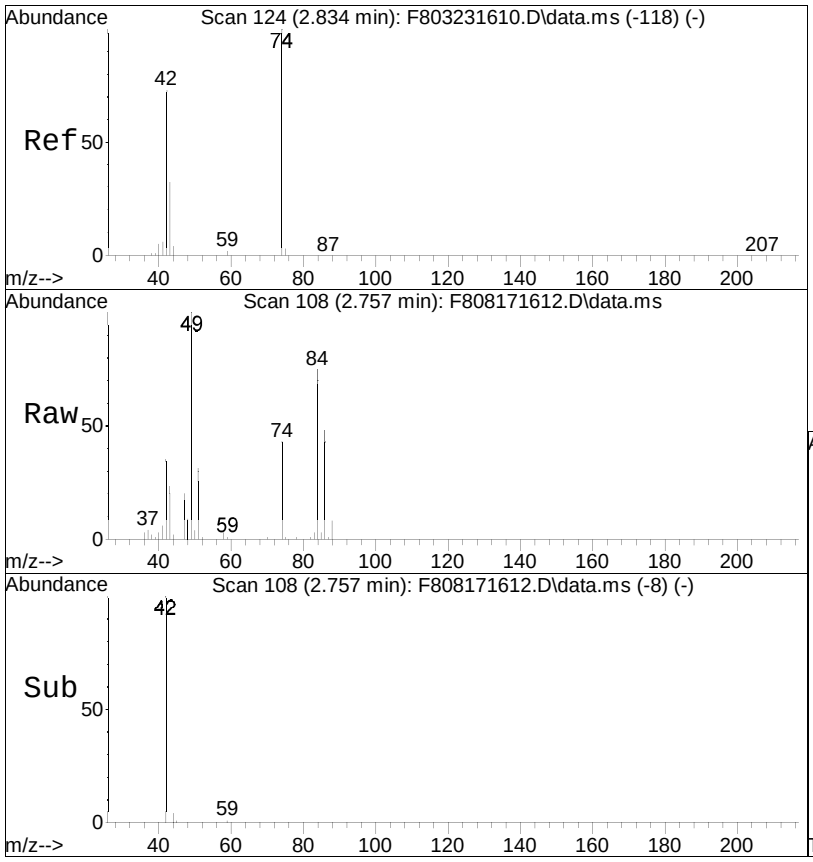
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\BNA8\2016\Aug\Aug17\
Data File : F808171612.D
Acq On : 17 Aug 2016 4:50 pm
Operator : BNA8:ML
Sample : WG923180-5
Misc : WG923553,WG923180,ICAL12703
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 19 09:44:23 2016
Quant Method : O:\Organics\DATA\BNA8\2016\Aug\Aug17\SV0728BNA8.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 18 11:34:11 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

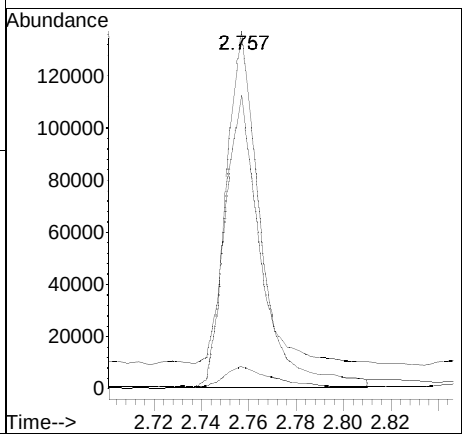


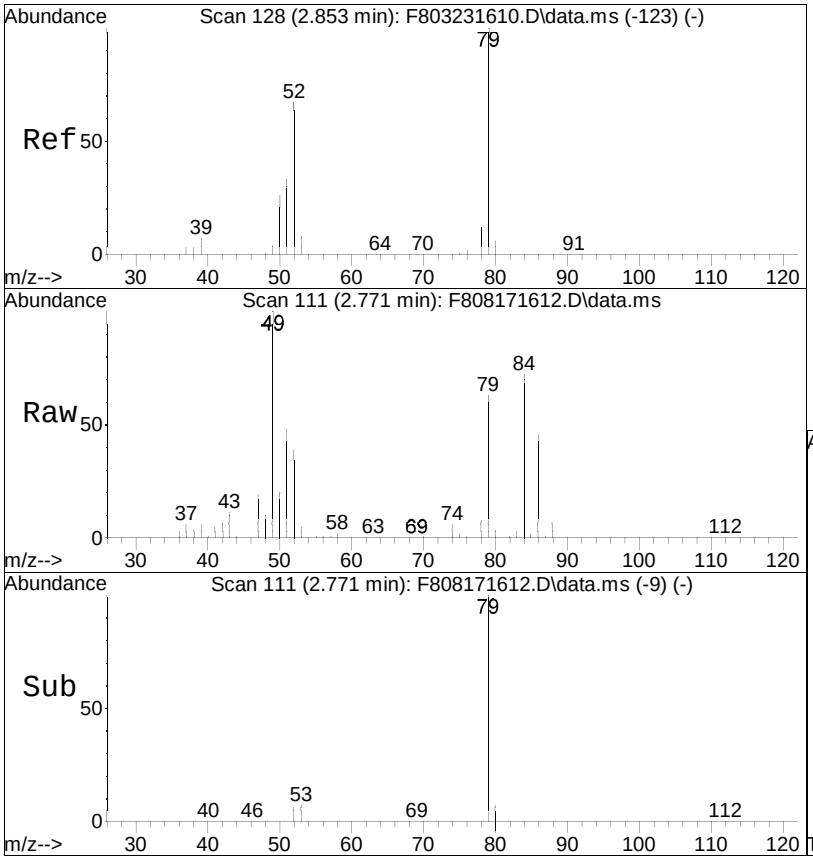


#2
N-Nitrosodimethylamine
Concen: 4.53 ug/mL M1
RT: 2.757 min Scan# 108
Delta R.T. -0.019 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion: 74 Resp: 137639

Ion	Ratio	Lower	Upper
74	100		
42	74.7	43.8	65.6#
40	7.4	4.2	6.4#

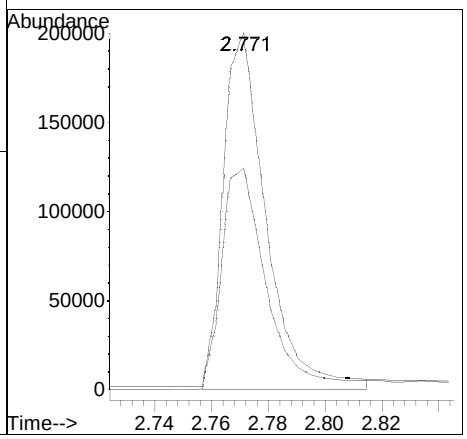


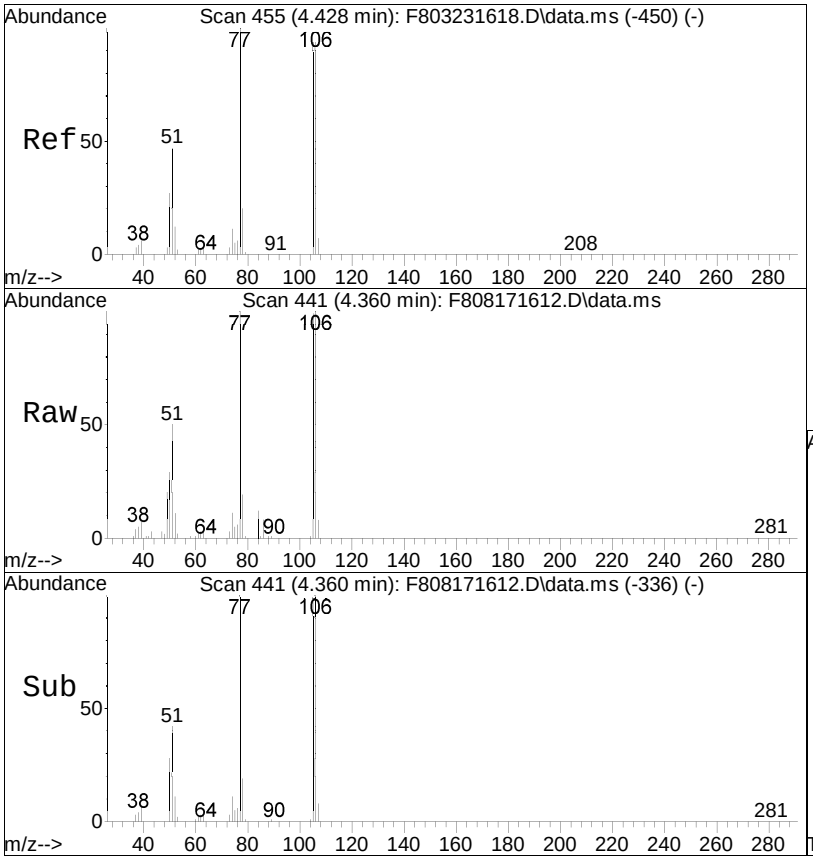


#3
Pyridine
Concen: 3.61 ug/mL M4
RT: 2.771 min Scan# 111
Delta R.T. -0.010 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion: 79 Resp: 208554

Ion	Ratio	Lower	Upper
79	100		
52	62.9	46.6	69.8

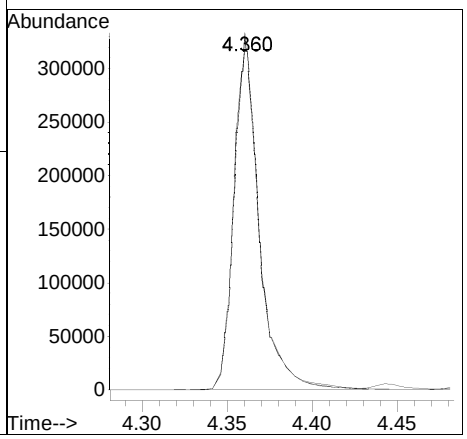


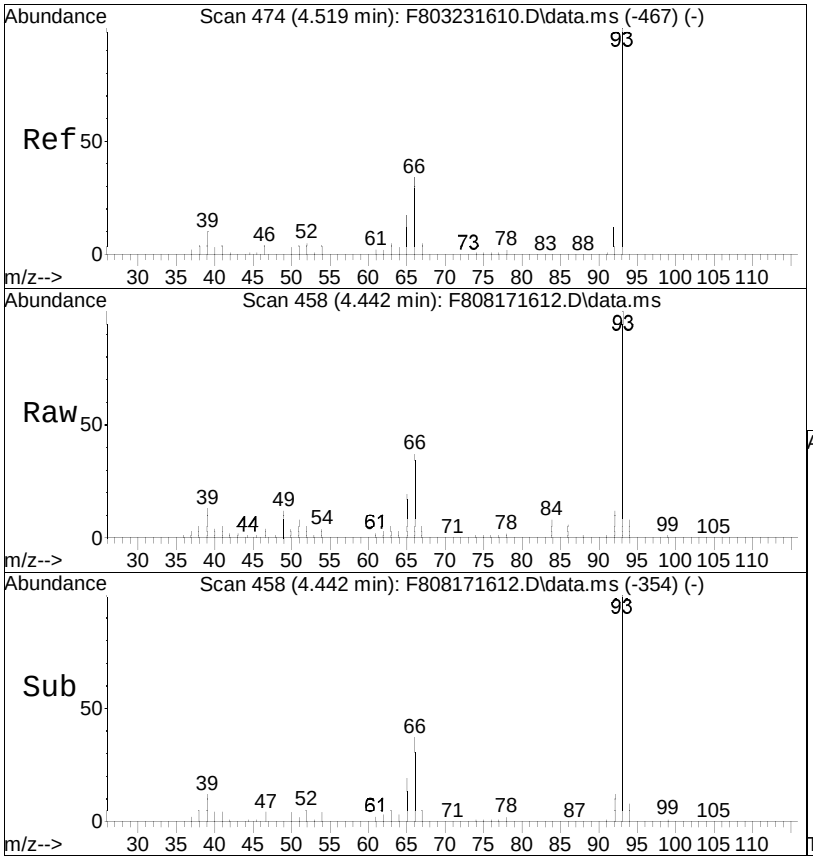


#5
Benzaldehyde
Concen: 7.31 ug/ml
RT: 4.360 min Scan# 441
Delta R.T. 0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion: 77 Resp: 340299

Ion	Ratio	Lower	Upper
77	100		
105	99.2	88.1	132.1
106	99.8	89.8	134.8

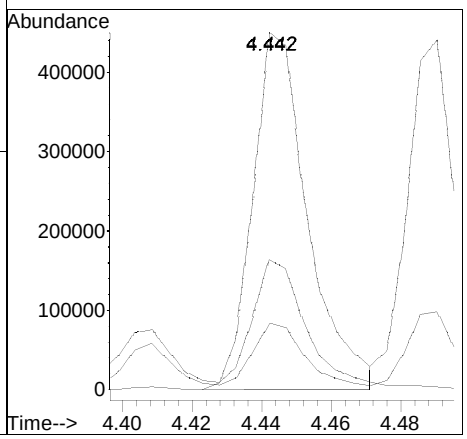


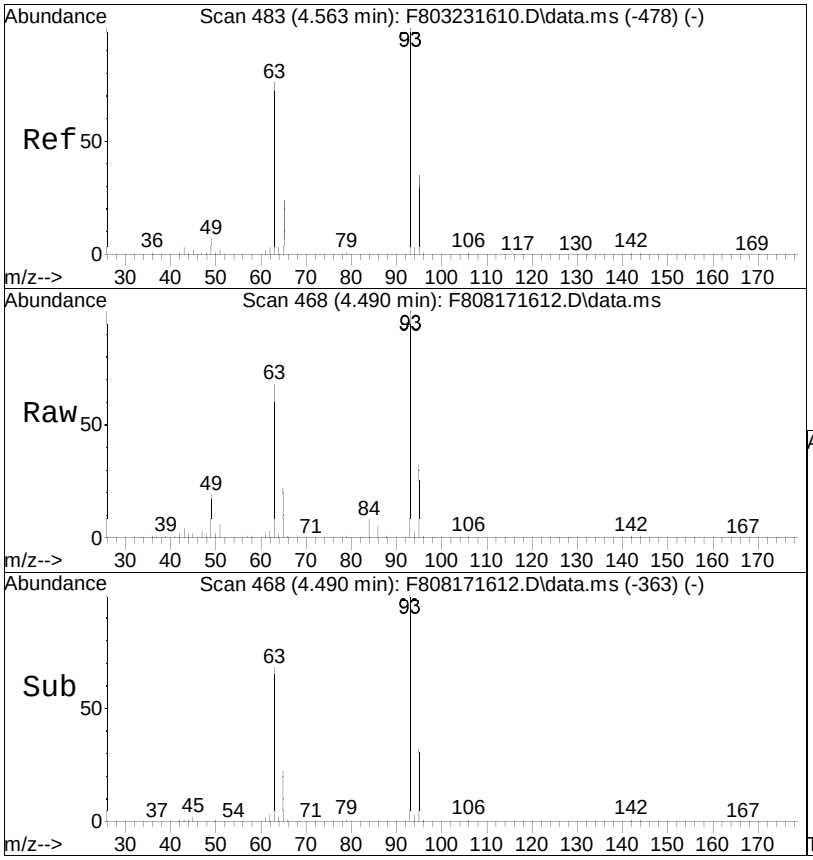


#6
Aniline
Concen: 5.64 ug/ml M4
RT: 4.442 min Scan# 458
Delta R.T. 0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion: 93 Resp: 495755

Ion	Ratio	Lower	Upper
93	100		
66	38.5	26.7	40.1
65	18.1	14.2	21.4

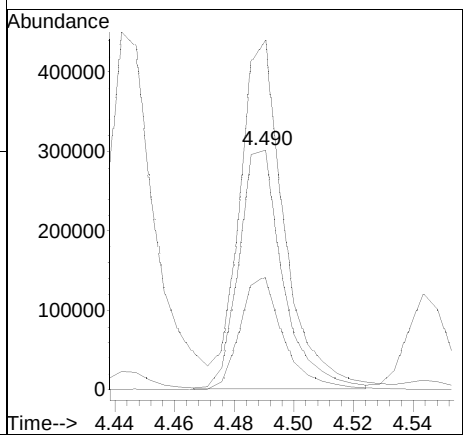


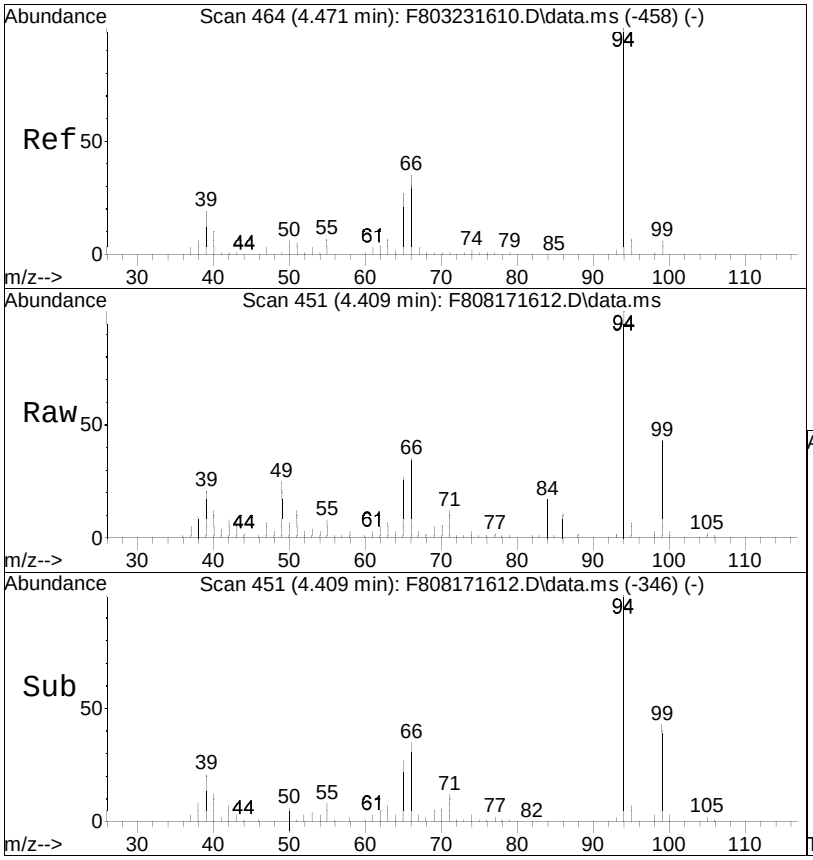


#7
bis(2-Chloroethyl)ether
Concen: 8.01 ug/mL M4
RT: 4.490 min Scan# 468
Delta R.T. 0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion: 63 Resp: 308158

Ion	Ratio	Lower	Upper
63	100		
93	134.2	123.0	184.4
95	46.5	41.1	61.7

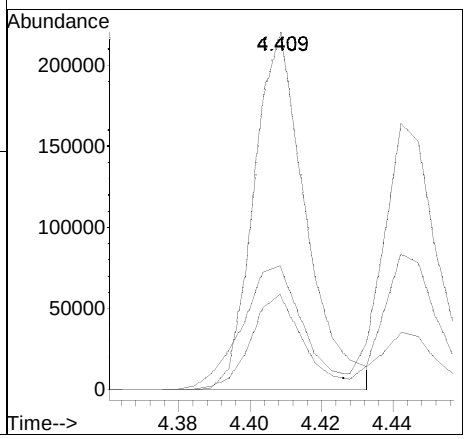


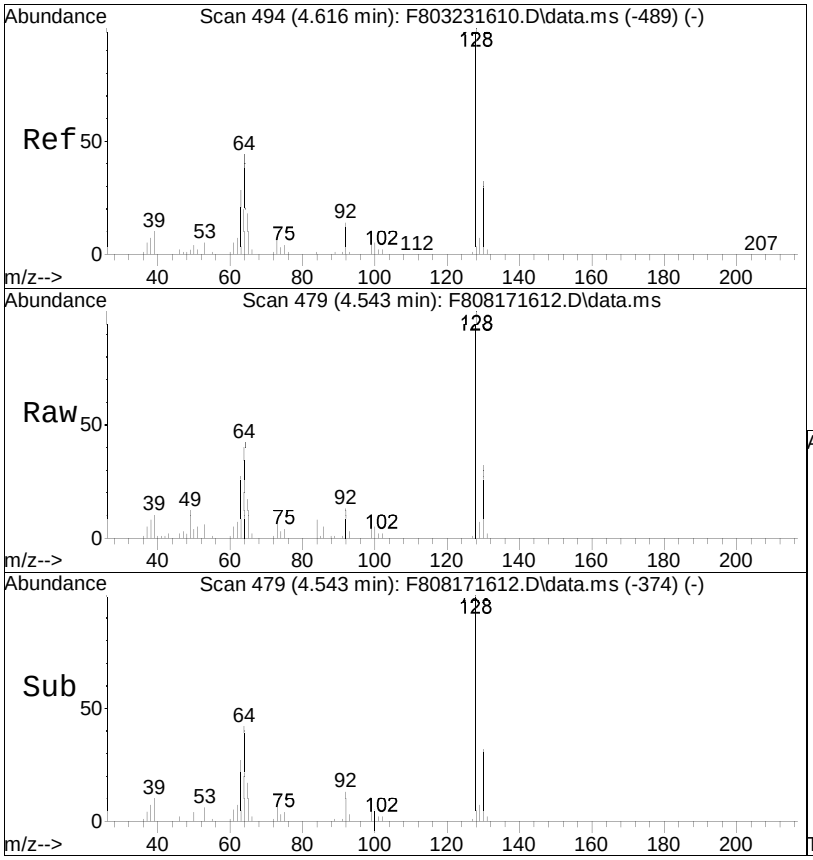


#9
Phenol
Concen: 3.11 ug/mL M4
RT: 4.409 min Scan# 451
Delta R.T. 0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion: 94 Resp: 222093

Ion	Ratio	Lower	Upper
94	100		
66	40.6	21.7	32.5#
65	26.6	17.6	26.4#

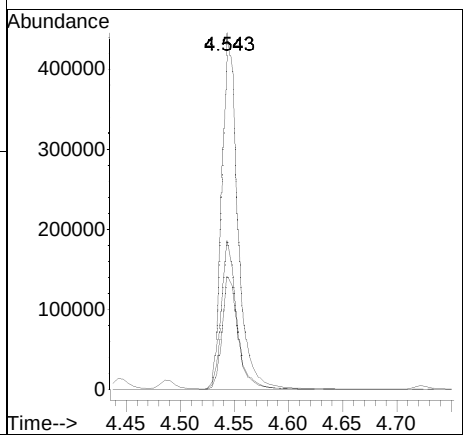


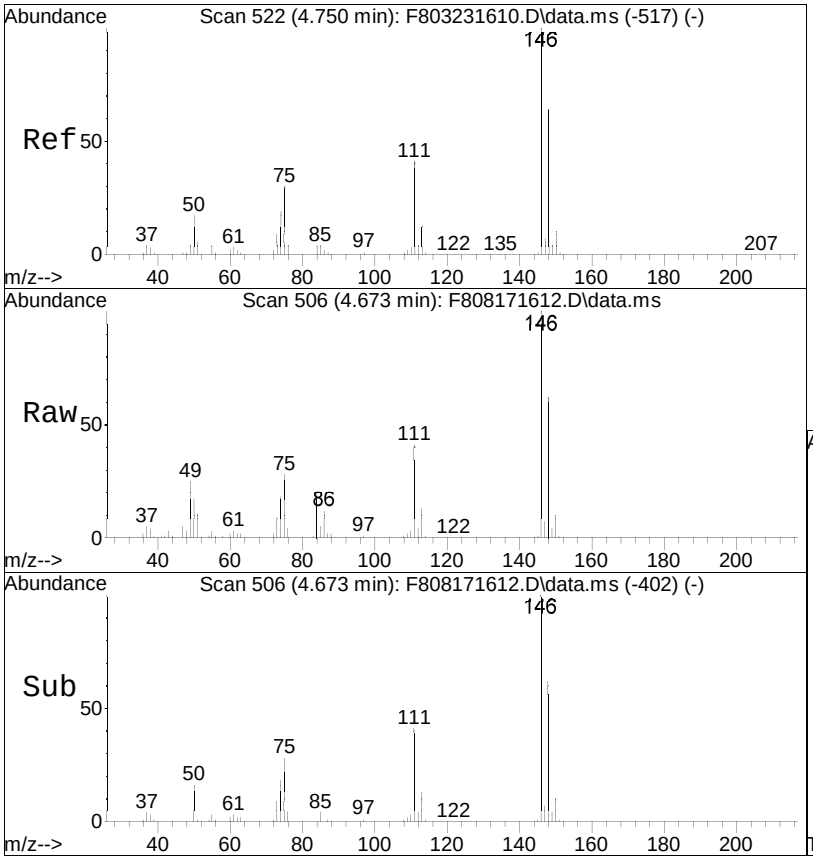


#10
2-Chlorophenol
Concen: 7.32 ug/mL
RT: 4.543 min Scan# 479
Delta R.T. 0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:128 Resp: 453171

Ion	Ratio	Lower	Upper
128	100		
64	40.7	27.6	41.4
130	32.1	26.2	39.4

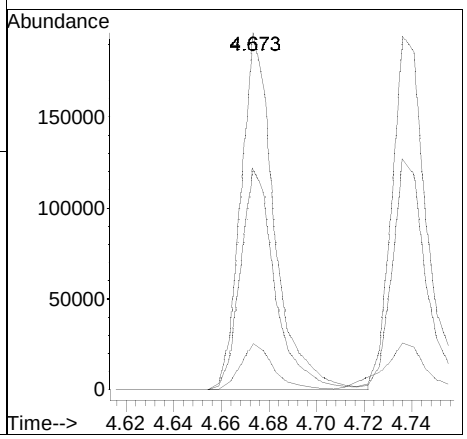


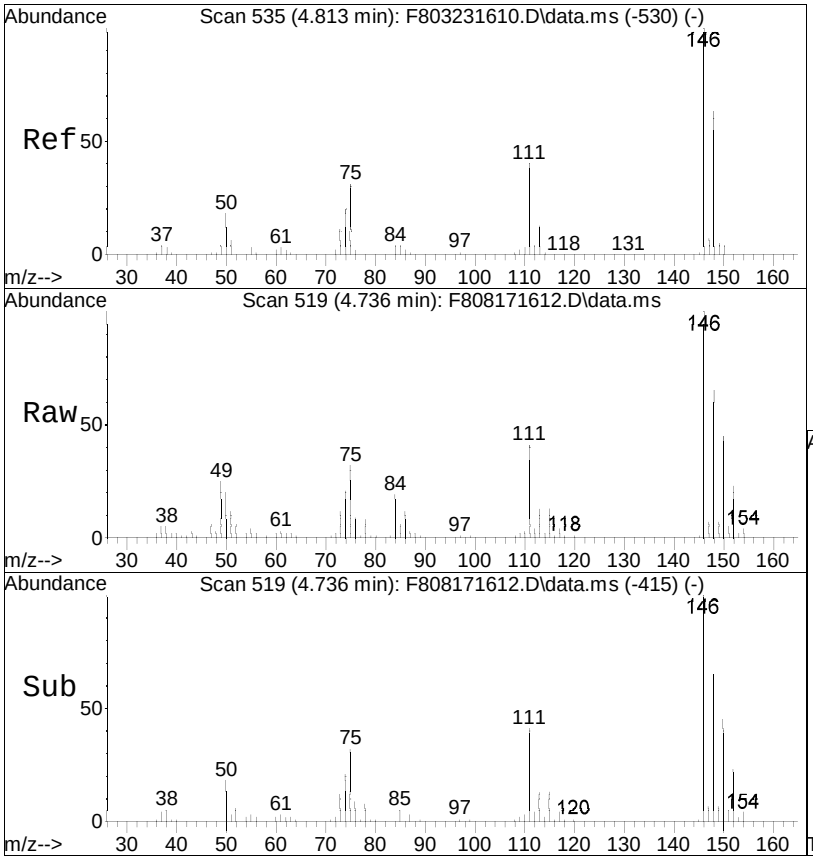


#11
1,3-Dichlorobenzene
Concen: 2.85 ug/mL
RT: 4.673 min Scan# 506
Delta R.T. 0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:146 Resp: 193139

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.0	76.6
113	12.8	9.7	14.5

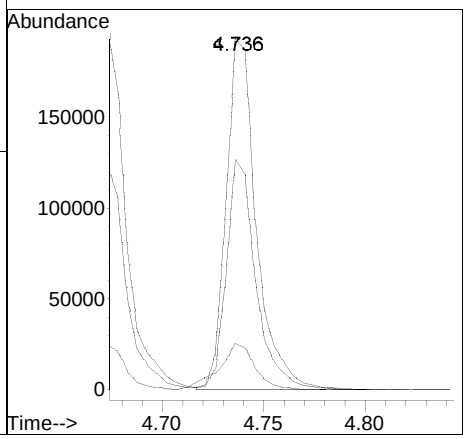


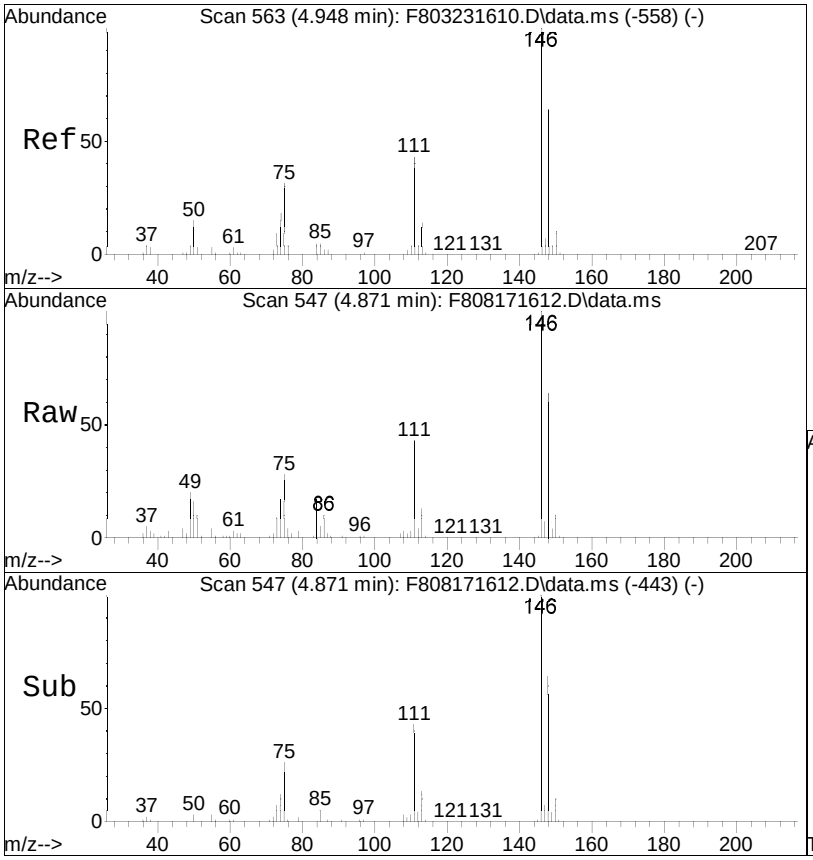


#12
1,4-Dichlorobenzene
Concen: 2.96 ug/mL M4
RT: 4.736 min Scan# 519
Delta R.T. 0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:146 Resp: 200367

Ion	Ratio	Lower	Upper
146	100		
148	61.1	51.2	76.8
113	12.6	9.1	13.7

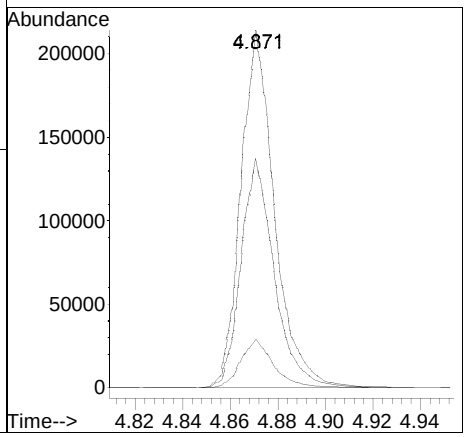


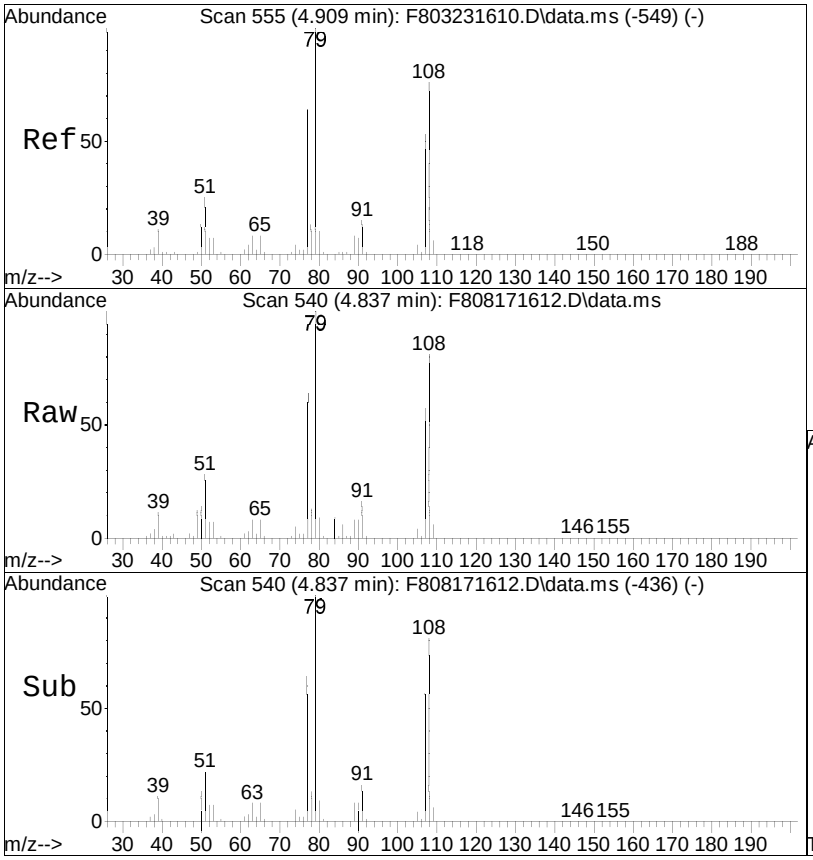


#13
1,2-Dichlorobenzene
Concen: 3.24 ug/mL M4
RT: 4.871 min Scan# 547
Delta R.T. 0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:146 Resp: 208715

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.0	76.6
113	13.2	10.0	15.0

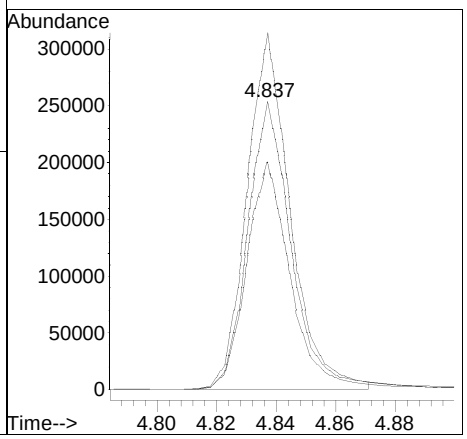


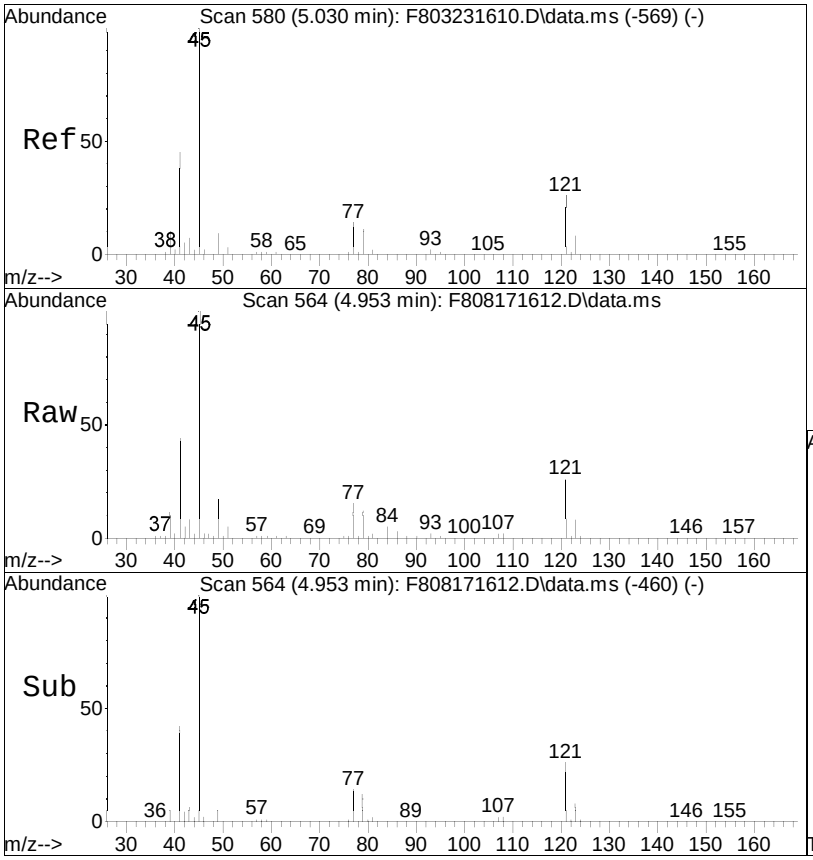


#14
Benzyl alcohol
Concen: 6.81 ug/mL
RT: 4.837 min Scan# 540
Delta R.T. 0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:108 Resp: 256147

Ion	Ratio	Lower	Upper
108	100		
79	123.7	84.5	126.7
77	79.5	52.9	79.3#

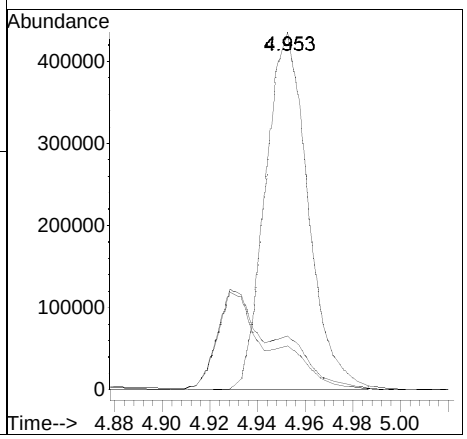


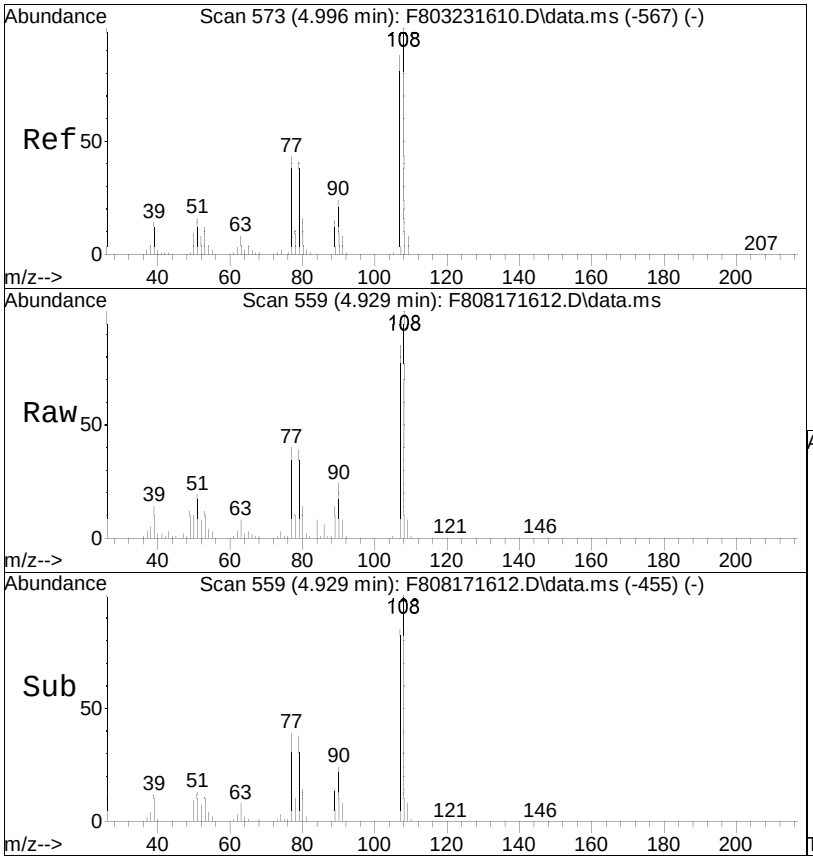


#15
bis(2-chloroisopropyl)ether
Concen: 7.76 ug/mL
RT: 4.953 min Scan# 564
Delta R.T. 0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion: 45 Resp: 536571

Ion	Ratio	Lower	Upper
45	100		
77	0.0	13.2	19.8#
79	0.0	10.9	16.3#

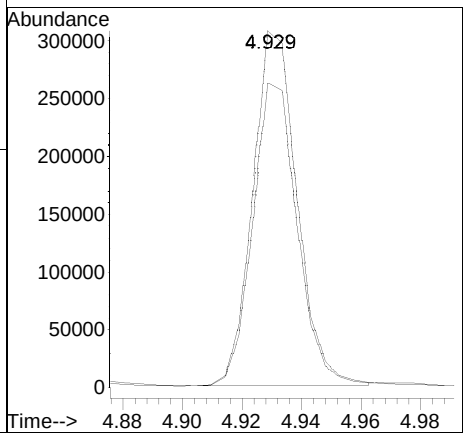


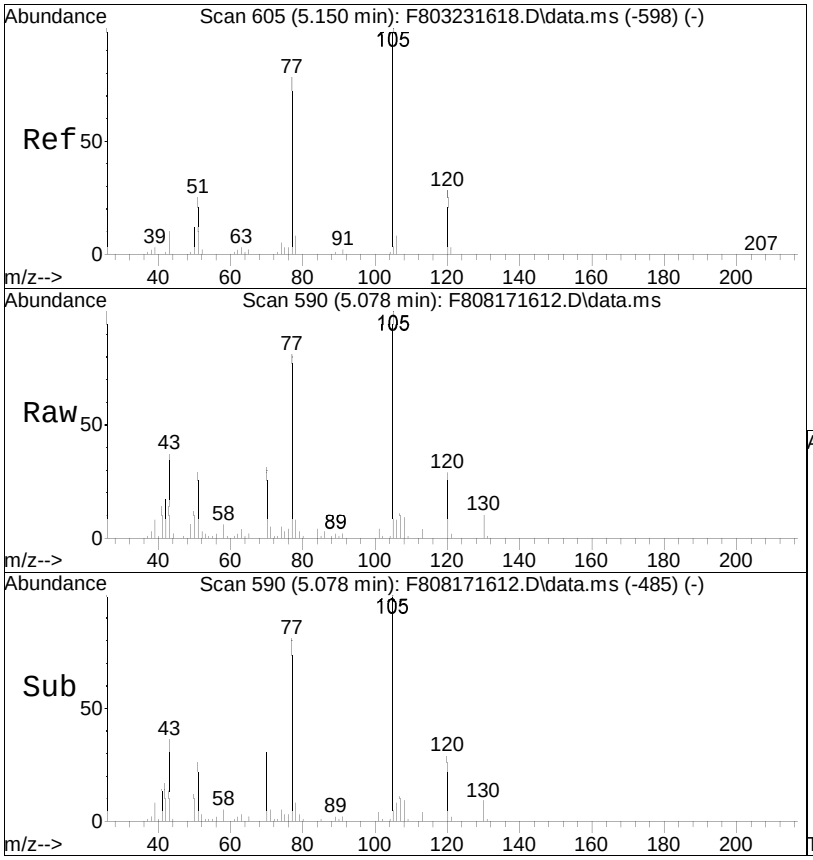


#16
2-Methylphenol
Concen: 6.54 ug/mL
RT: 4.929 min Scan# 559
Delta R.T. 0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:108 Resp: 318301

Ion	Ratio	Lower	Upper
108	100		
107	85.8	68.1	102.1

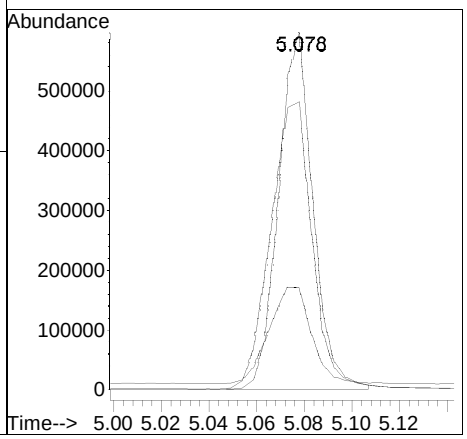


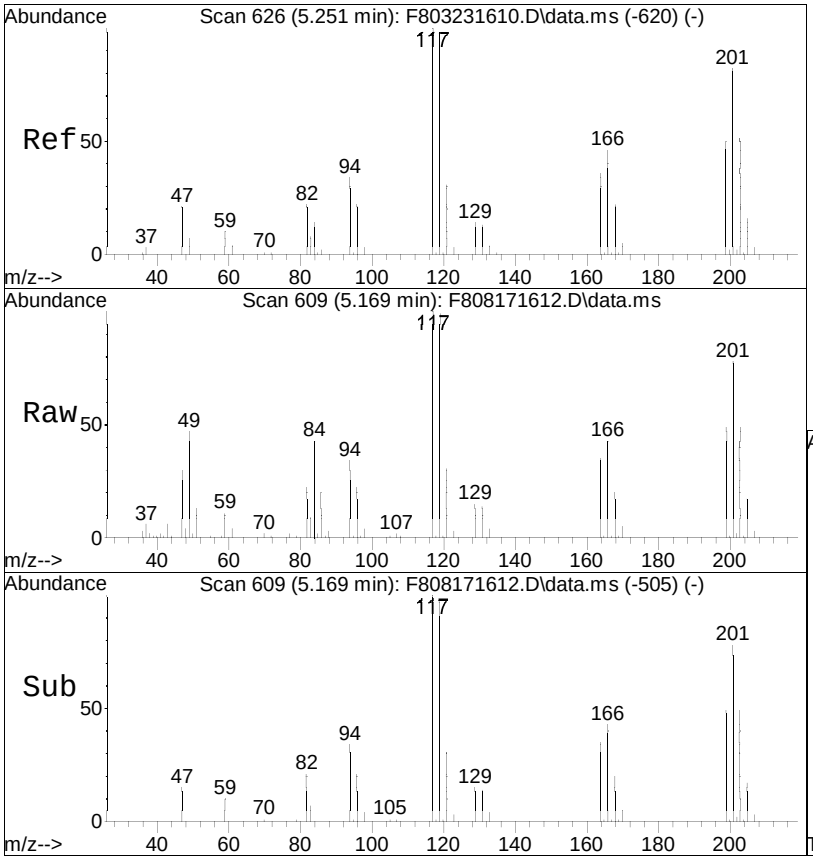


#17
Acetophenone
Concen: 7.69 ug/ml
RT: 5.078 min Scan# 590
Delta R.T. 0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:105 Resp: 596057

Ion	Ratio	Lower	Upper
105	100		
77	96.7	57.7	86.5#
51	33.5	17.1	25.7#

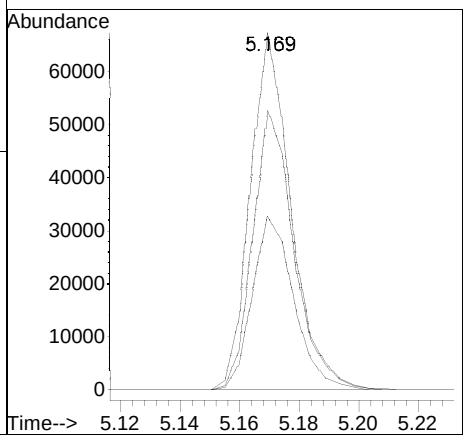


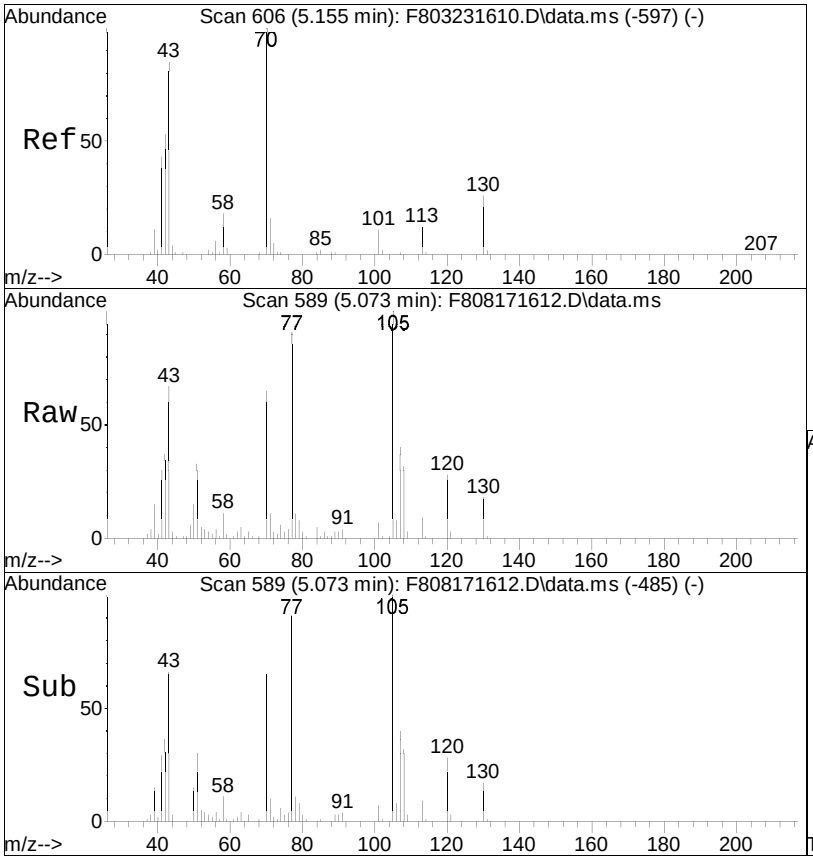


#18
Hexachloroethane
Concen: 2.31 ug/mL
RT: 5.169 min Scan# 609
Delta R.T. 0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:117 Resp: 63788

Ion	Ratio	Lower	Upper
117	100		
201	78.9	62.8	94.2
199	49.6	39.0	58.4

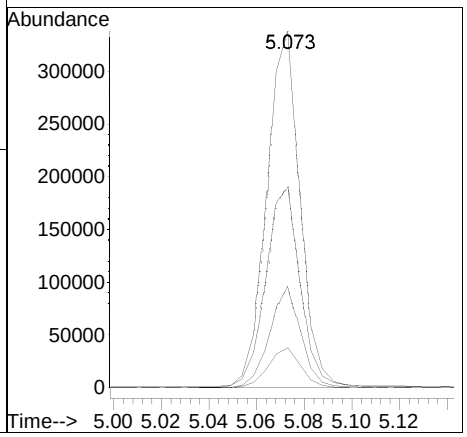


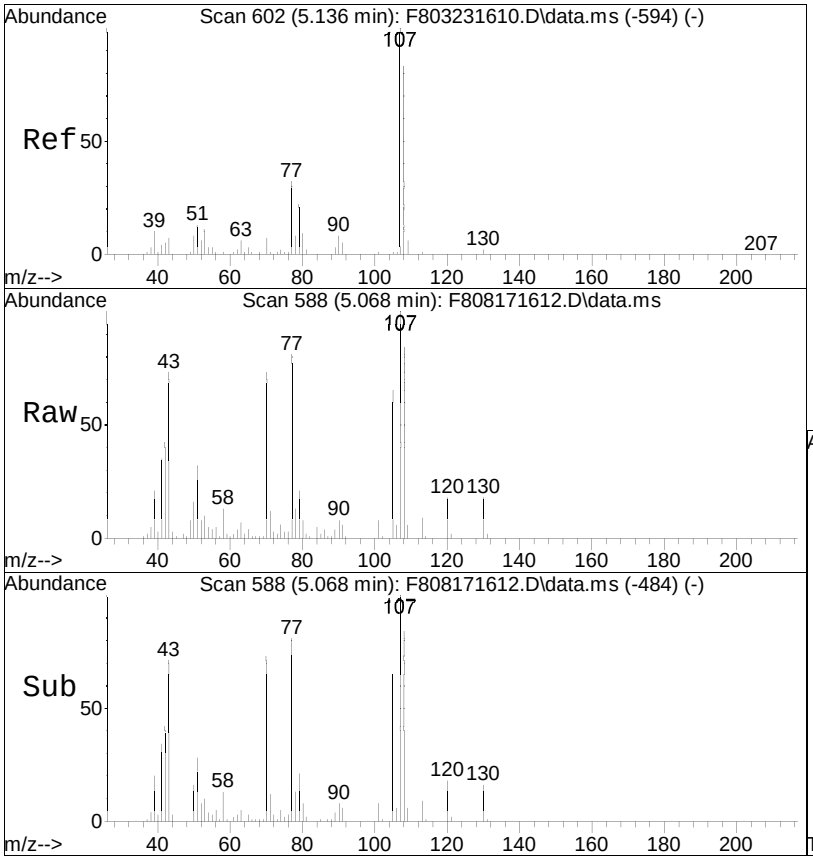


#19
N-Nitroso-di-n-propylamine
Concen: 8.54 ug/mL
RT: 5.073 min Scan# 589
Delta R.T. 0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion: 70 Resp: 324801

Ion	Ratio	Lower	Upper
70	100		
42	57.4	37.1	55.7#
130	27.1	24.0	36.0
101	11.1	9.2	13.8

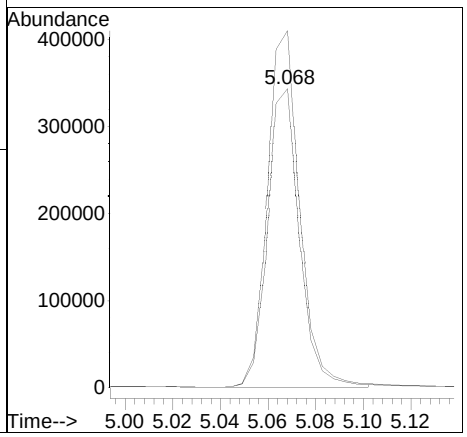


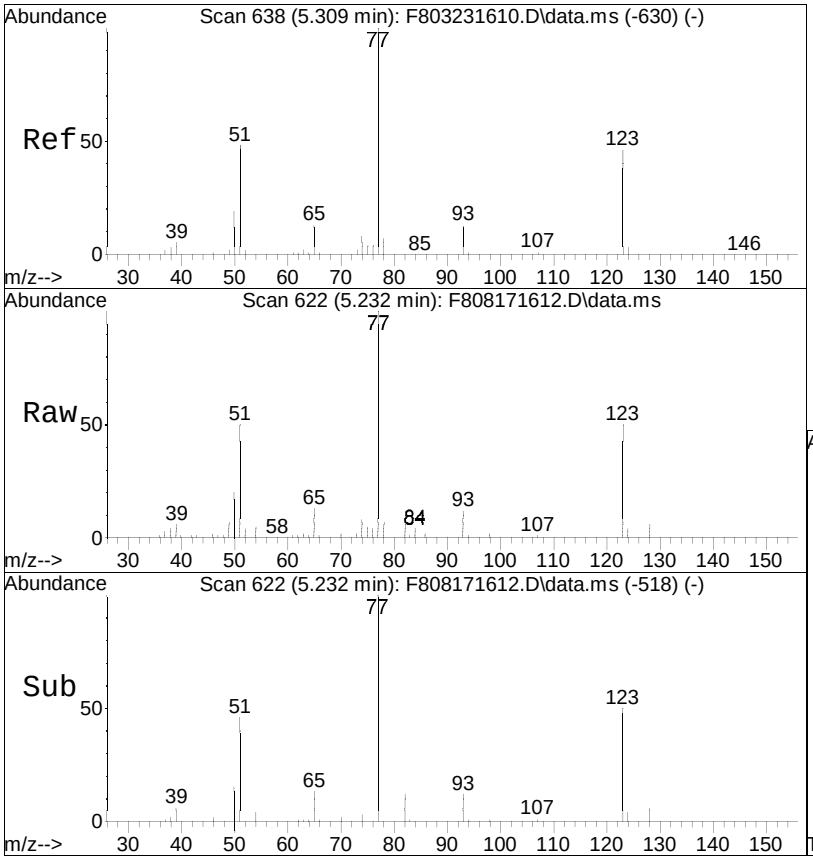


#20
4-Methylphenol
Concen: 6.00 ug/mL
RT: 5.068 min Scan# 588
Delta R.T. 0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:108 Resp: 318082

Ion	Ratio	Lower	Upper
108	100		
107	120.7	94.6	142.0

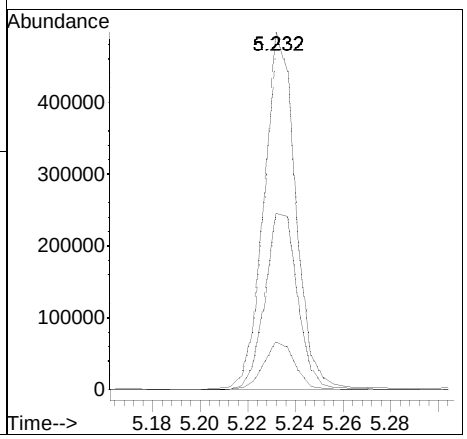


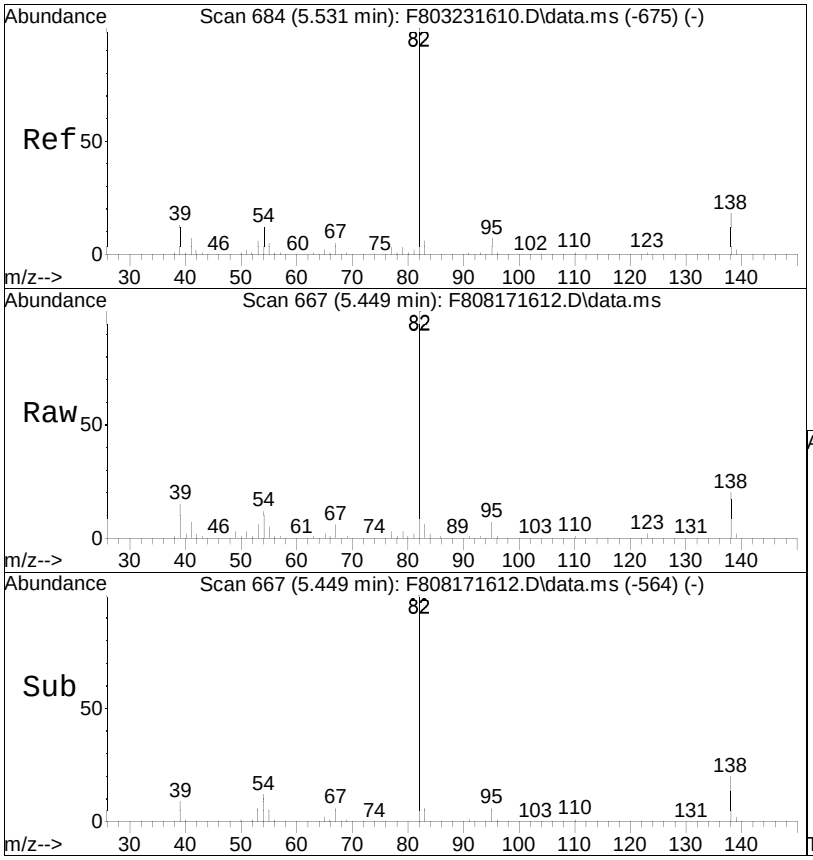


#23
Nitrobenzene
Concen: 8.27 ug/mL
RT: 5.232 min Scan# 622
Delta R.T. 0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion: 77 Resp: 455246

Ion	Ratio	Lower	Upper
77	100		
123	51.4	45.4	68.2
65	13.8	10.2	15.4

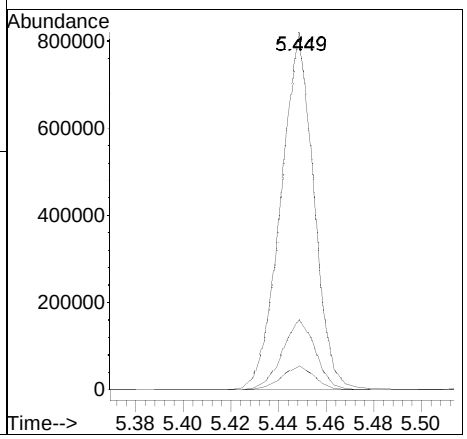


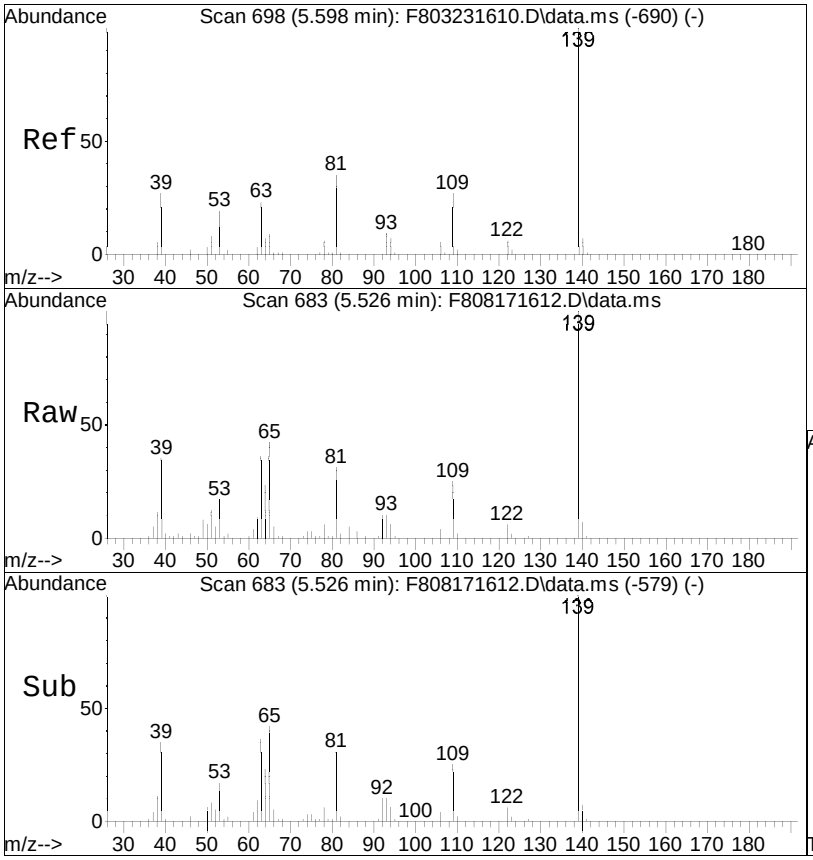


#24
Isophorone
Concen: 9.05 ug/mL
RT: 5.449 min Scan# 667
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion: 82 Resp: 780174

Ion	Ratio	Lower	Upper
82	100		
138	20.0	17.0	25.4
95	6.9	4.9	7.3

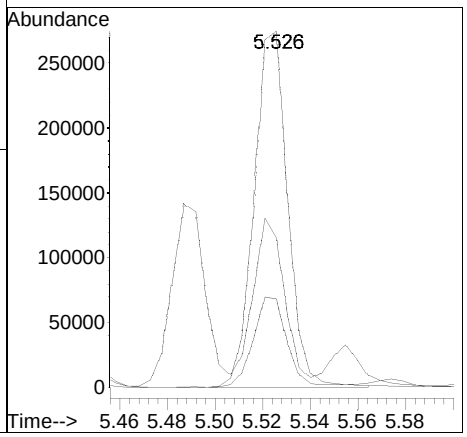


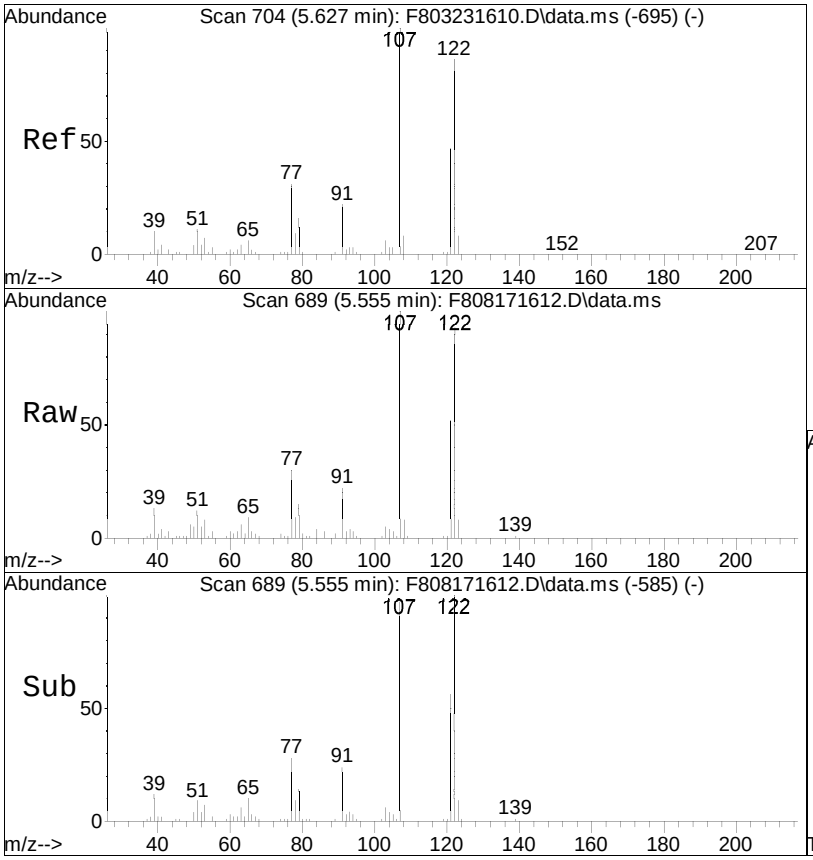


#25
2-Nitrophenol
Concen: 8.48 ug/mL
RT: 5.526 min Scan# 683
Delta R.T. 0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:139 Resp: 267278

Ion	Ratio	Lower	Upper
139	100		
65	44.7	28.4	42.6#
109	25.3	16.3	24.5#

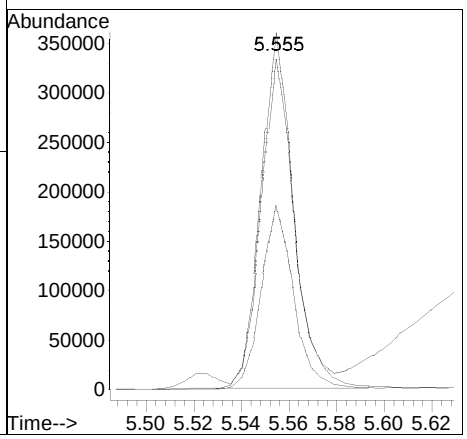


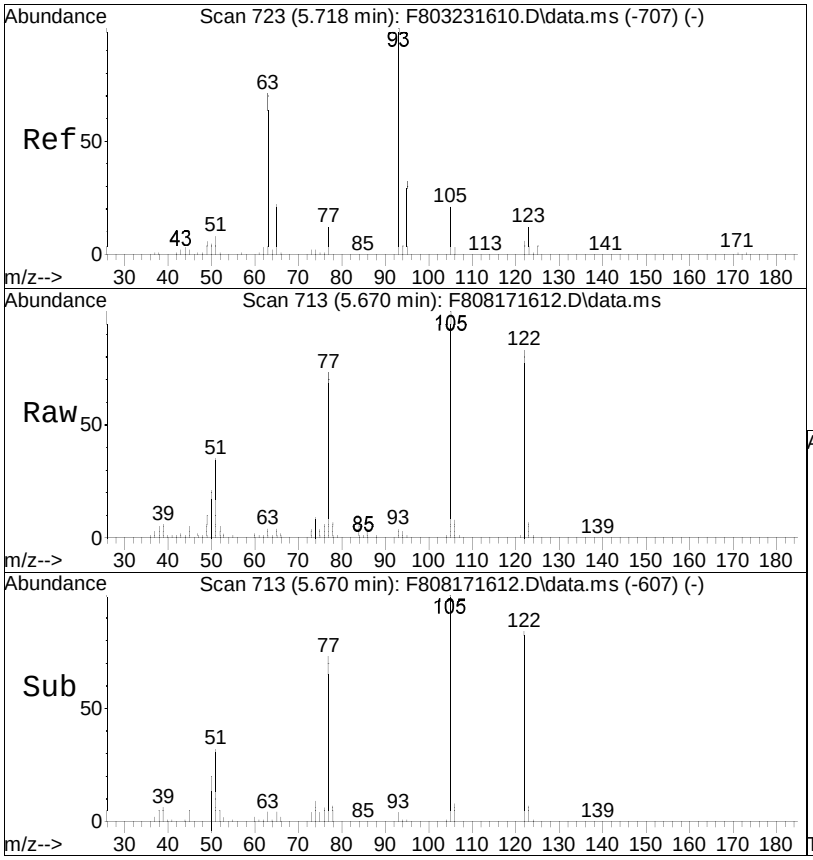


#26
2,4-Dimethylphenol
Concen: 6.90 ug/mL
RT: 5.555 min Scan# 689
Delta R.T. 0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:107 Resp: 343150

Ion	Ratio	Lower	Upper
107	100		
122	94.2	78.4	117.6
121	51.5	43.0	64.6

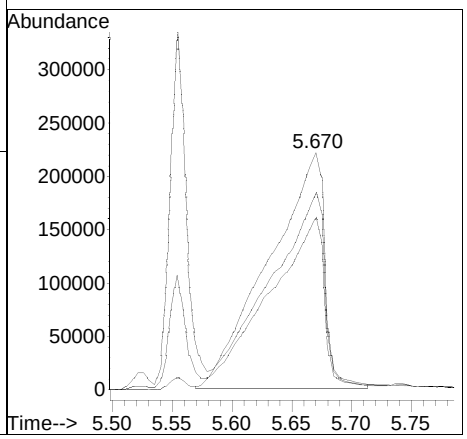


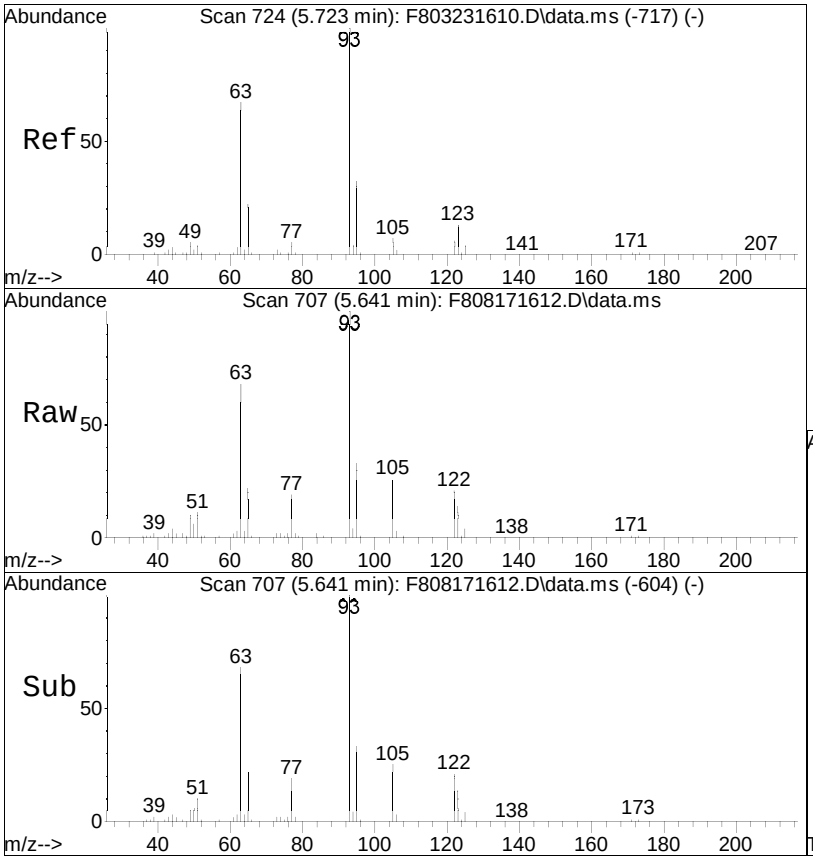


#27
Benzoic acid
Concen: 18.29 ug/mL M4
RT: 5.670 min Scan# 713
Delta R.T. 0.010 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:105 Resp: 711313

Ion	Ratio	Lower	Upper
105	100		
122	78.0	70.9	106.3
77	67.0	53.4	80.0

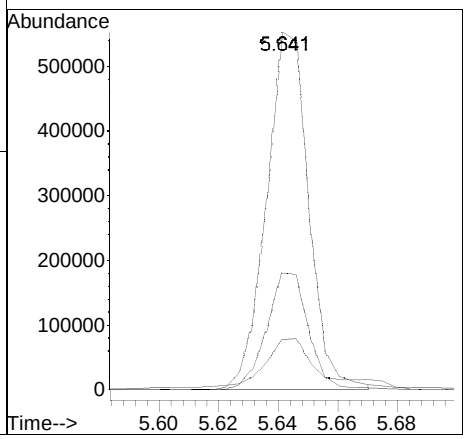


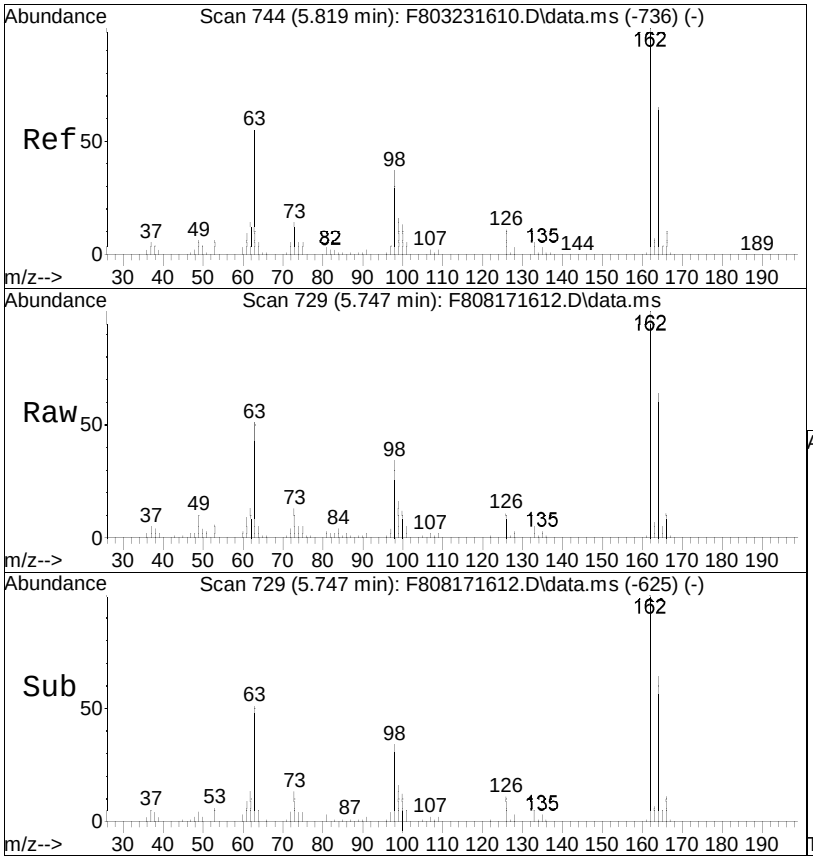


#28
bis(2-Chloroethoxy)methane
Concen: 8.52 ug/mL
RT: 5.641 min Scan# 707
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion: 93 Resp: 539261

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.7	40.1
123	19.4	11.9	17.9#

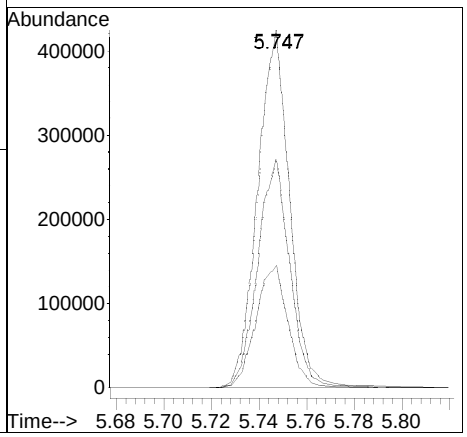


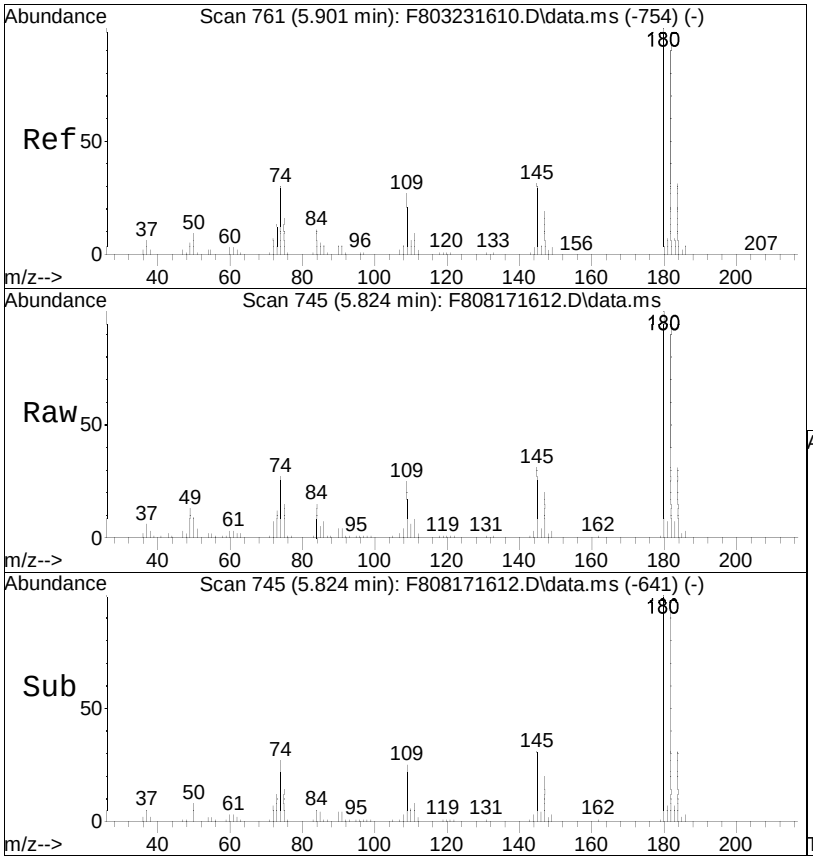


#29
2,4-Dichlorophenol
Concen: 8.43 ug/mL
RT: 5.747 min Scan# 729
Delta R.T. 0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:162 Resp: 393515

Ion	Ratio	Lower	Upper
162	100		
164	64.3	50.8	76.2
98	35.1	26.3	39.5

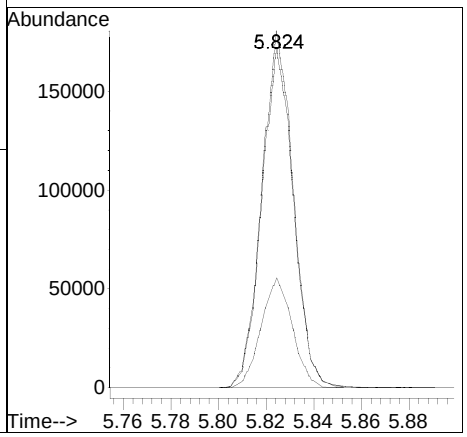


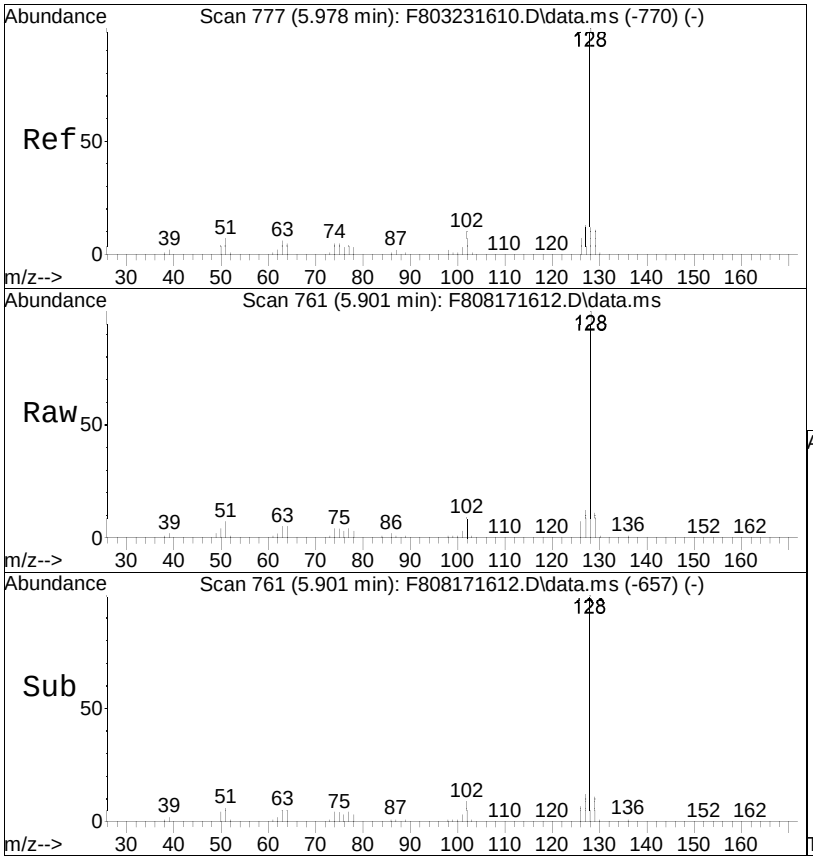


#30
1,2,4-Trichlorobenzene
Concen: 3.34 ug/mL
RT: 5.824 min Scan# 745
Delta R.T. 0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:180 Resp: 166193

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.2	114.4
145	30.7	23.6	35.4

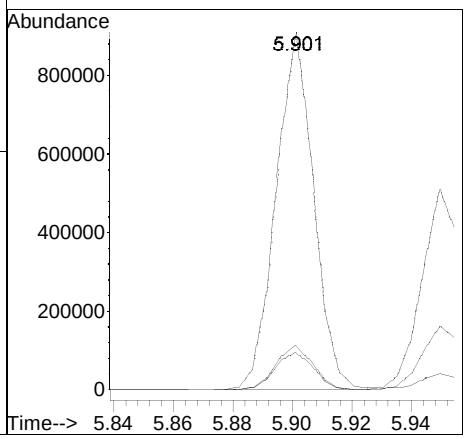


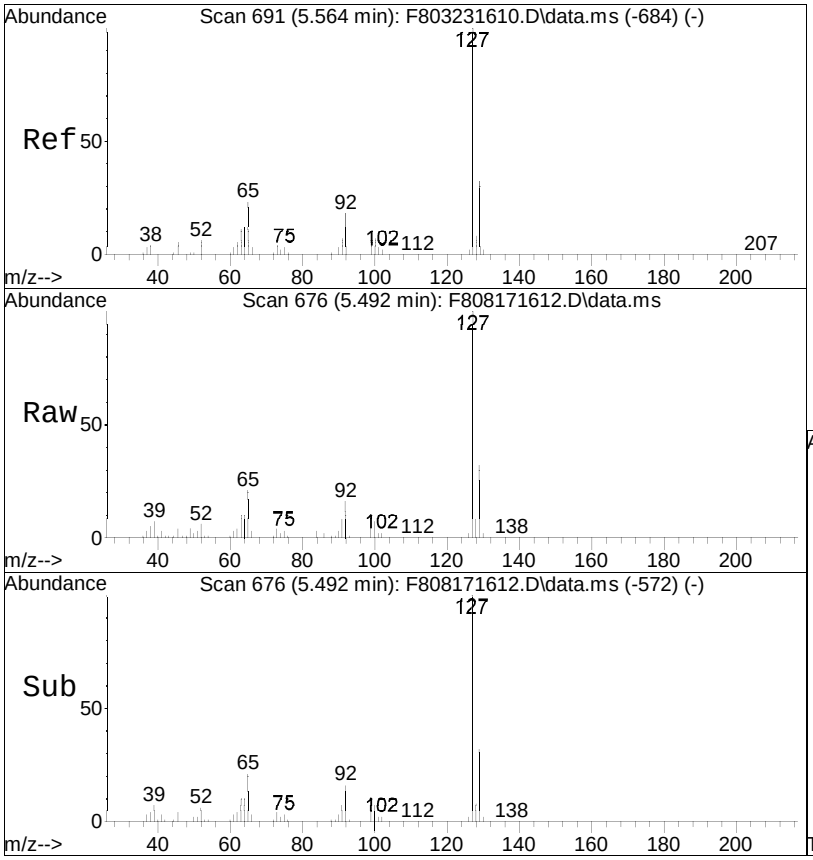


#31
Naphthalene
Concen: 4.95 ug/mL
RT: 5.901 min Scan# 761
Delta R.T. 0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:128 Resp: 796890

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.4
127	12.7	10.0	15.0

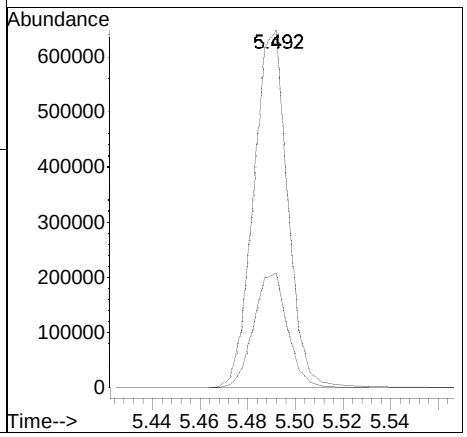


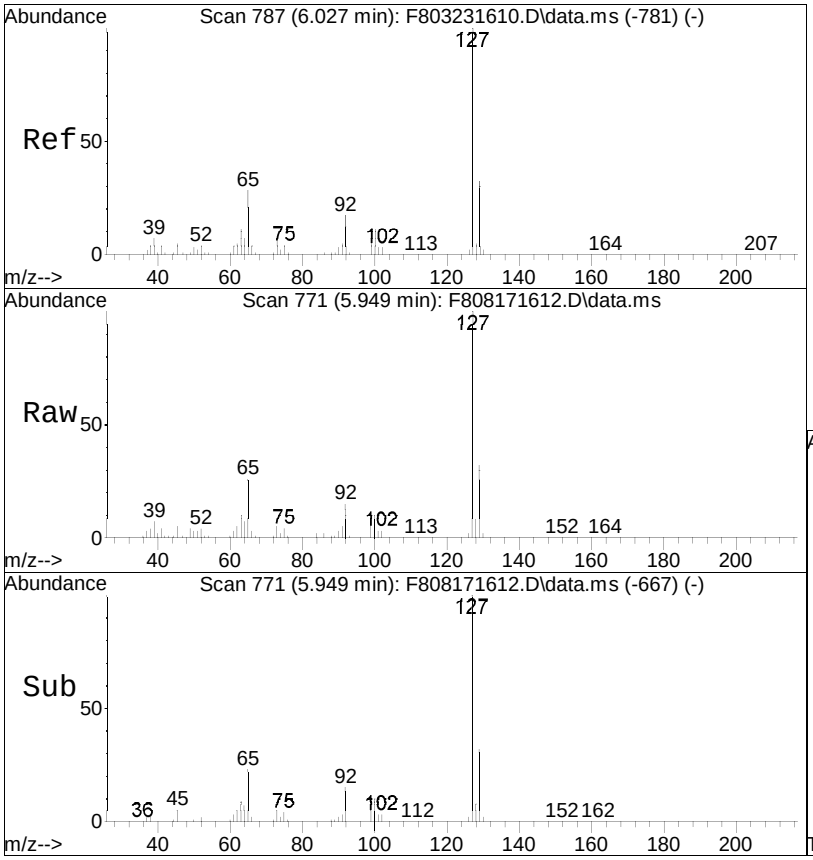


#32
2-Chloroaniline
Concen: 7.83 ug/ml
RT: 5.492 min Scan# 676
Delta R.T. 0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:127 Resp: 637440

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.2	39.4

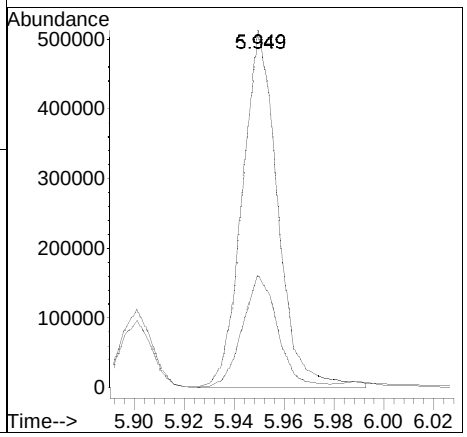


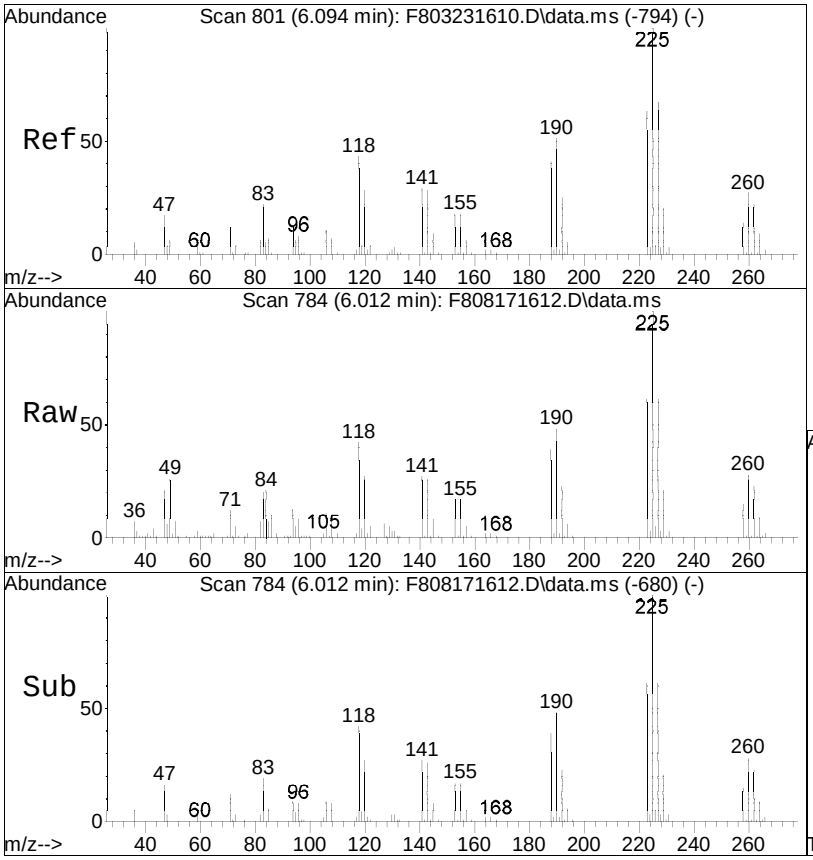


#33
4-Chloroaniline
Concen: 7.31 ug/mL M4
RT: 5.949 min Scan# 771
Delta R.T. 0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:127 Resp: 504445

Ion	Ratio	Lower	Upper
127	100		
129	31.3	25.8	38.6

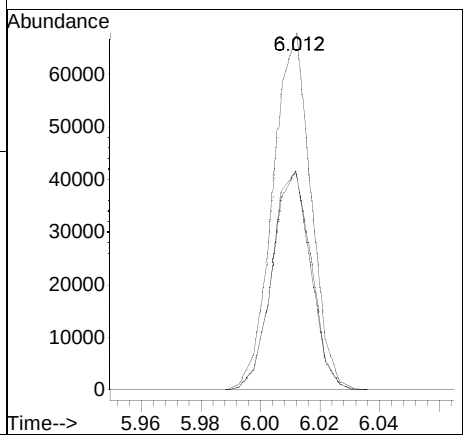


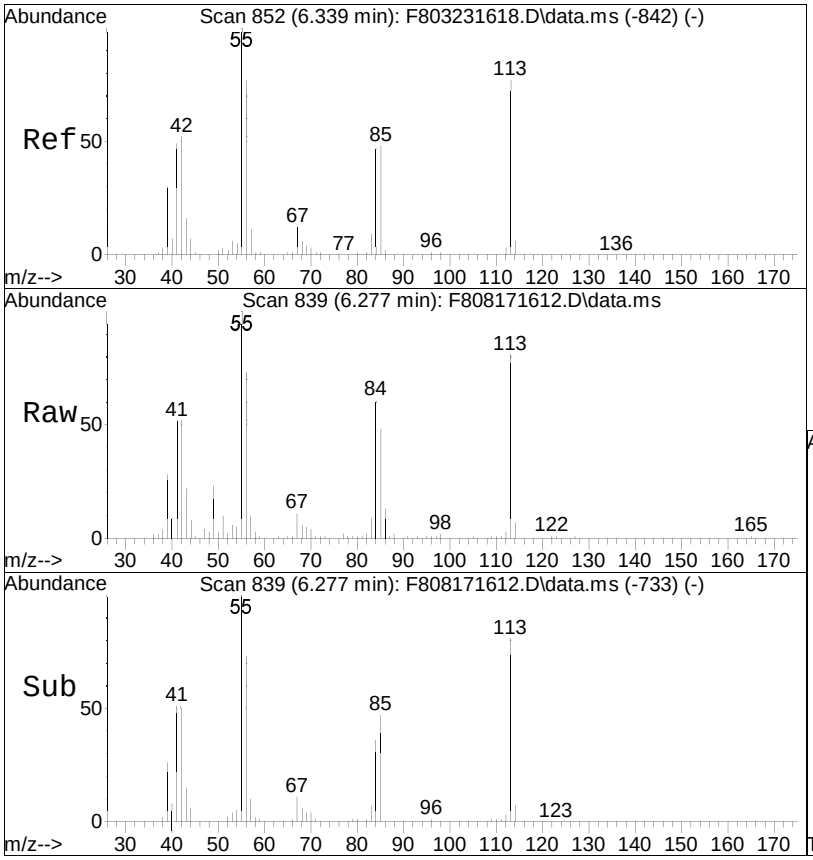


#34
Hexachlorobutadiene
Concen: 2.37 ug/mL
RT: 6.012 min Scan# 784
Delta R.T. 0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:225 Resp: 60324

Ion	Ratio	Lower	Upper
225	100		
223	61.7	50.8	76.2
227	63.3	51.1	76.7

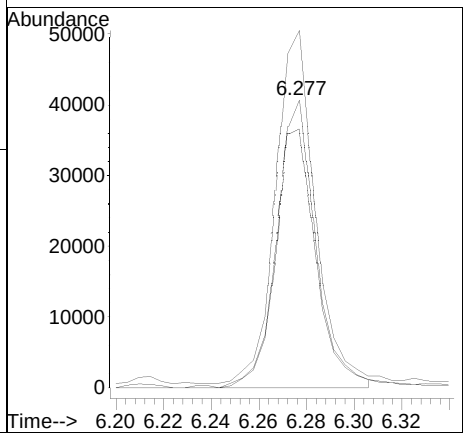


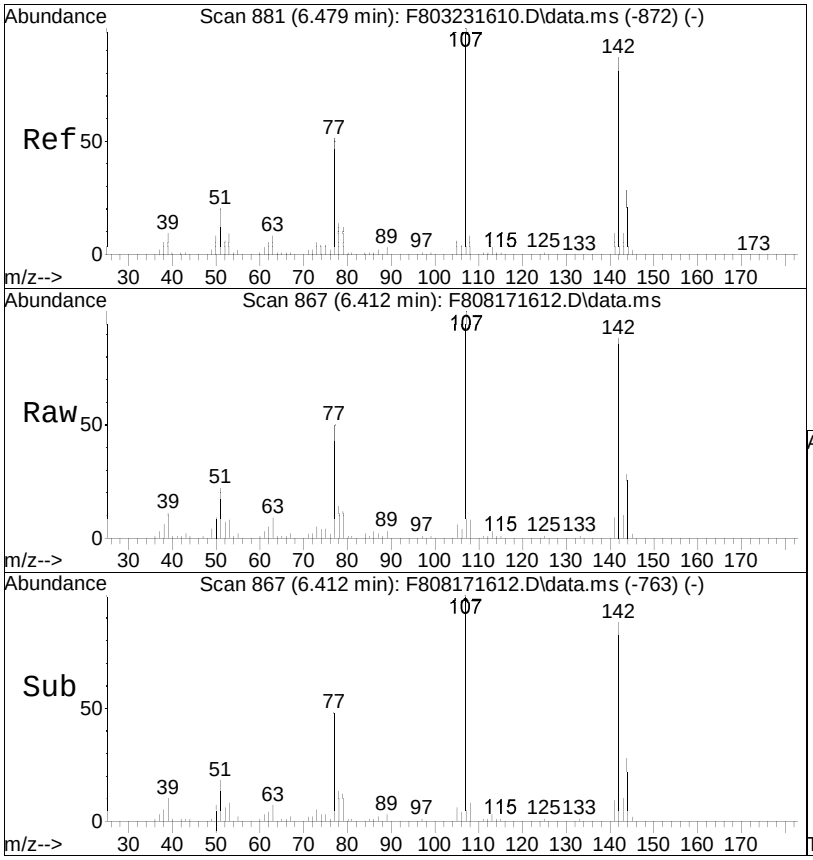


#35
Caprolactam
Concen: 2.67 ug/ml
RT: 6.277 min Scan# 839
Delta R.T. 0.010 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:113 Resp: 45790

Ion	Ratio	Lower	Upper
113	100		
55	124.8	82.6	123.8#
56	92.9	63.0	94.6

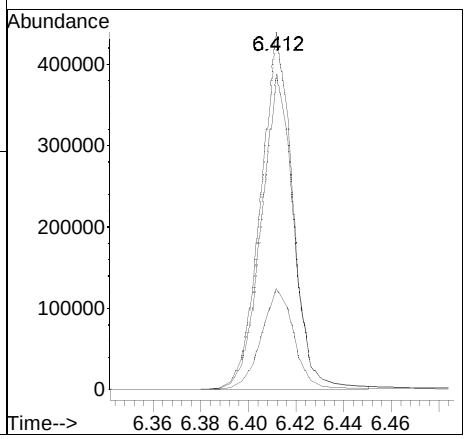


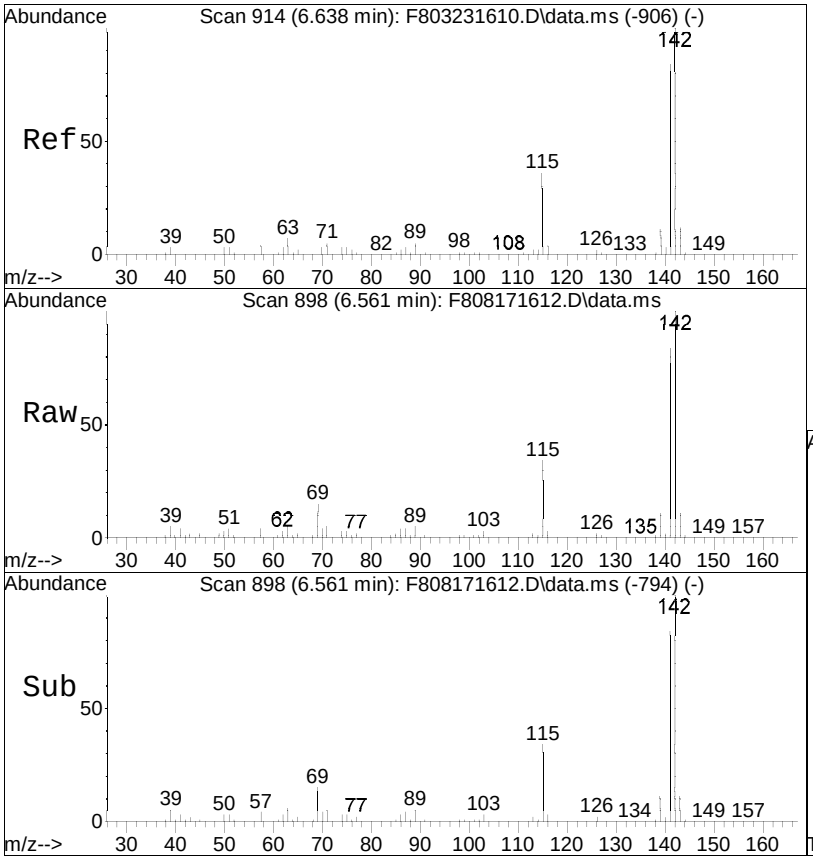


#36
4-Chloro-3-methylphenol
Concen: 9.11 ug/mL
RT: 6.412 min Scan# 867
Delta R.T. 0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:107 Resp: 408309

Ion	Ratio	Lower	Upper
107	100		
144	28.9	24.3	36.5
142	88.8	74.4	111.6

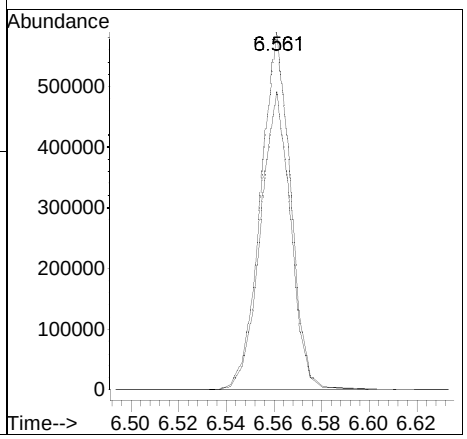


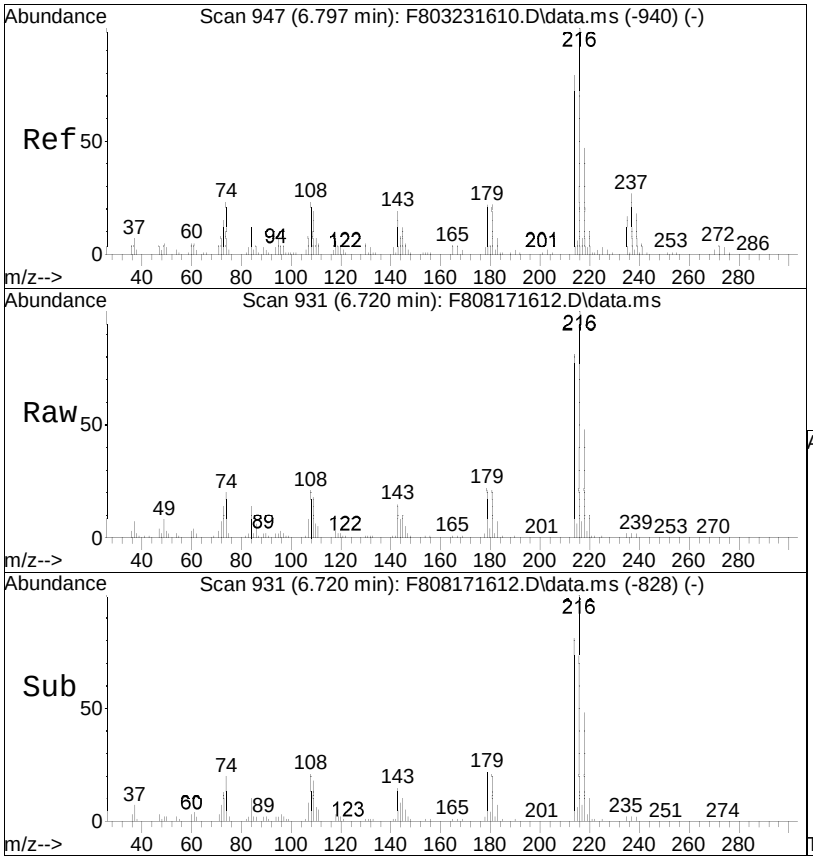


#37
2-Methylnaphthalene
Concen: 4.80 ug/mL
RT: 6.561 min Scan# 898
Delta R.T. 0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:142 Resp: 512833

Ion	Ratio	Lower	Upper
142	100		
141	84.5	66.6	100.0

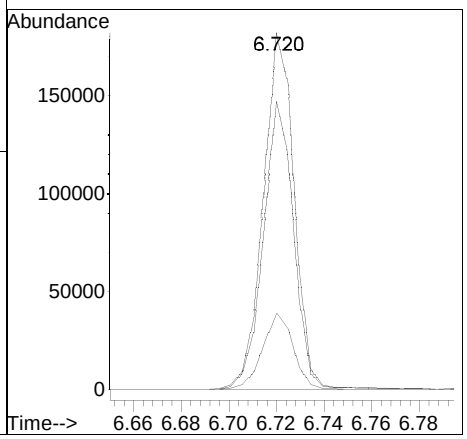


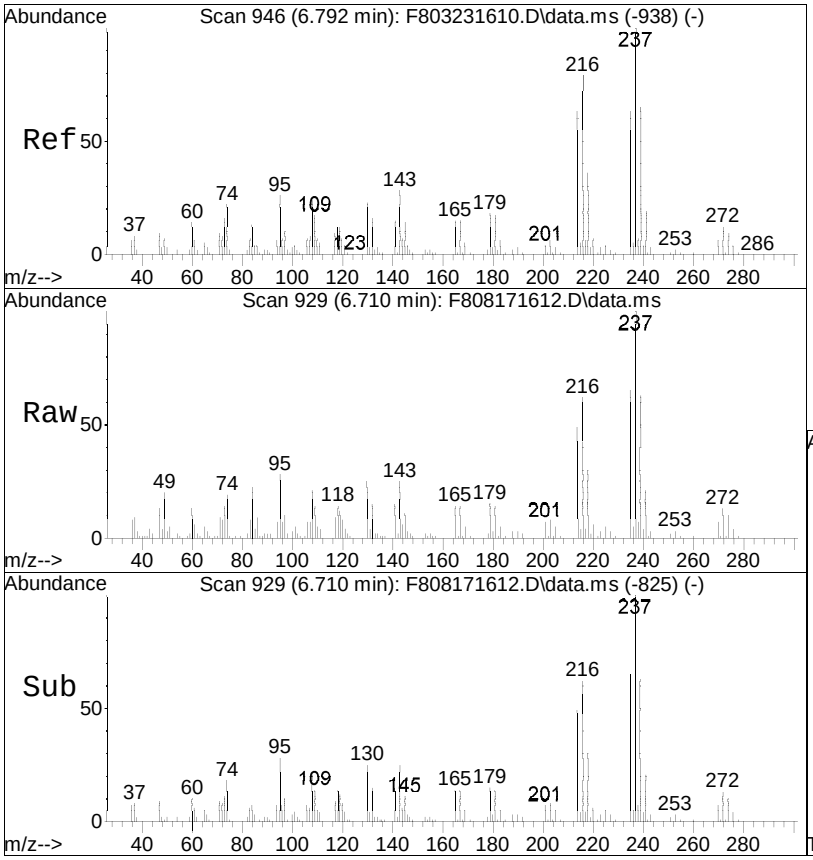


#39
1,2,4,5-Tetrachlorobenzene
Concen: 3.52 ug/mL
RT: 6.720 min Scan# 931
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:216 Resp: 163790

Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.0	94.6
179	21.4	16.2	24.4

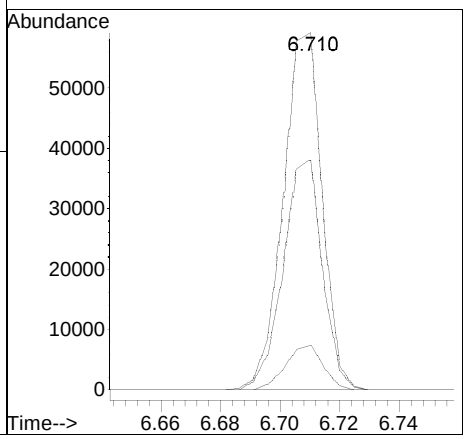


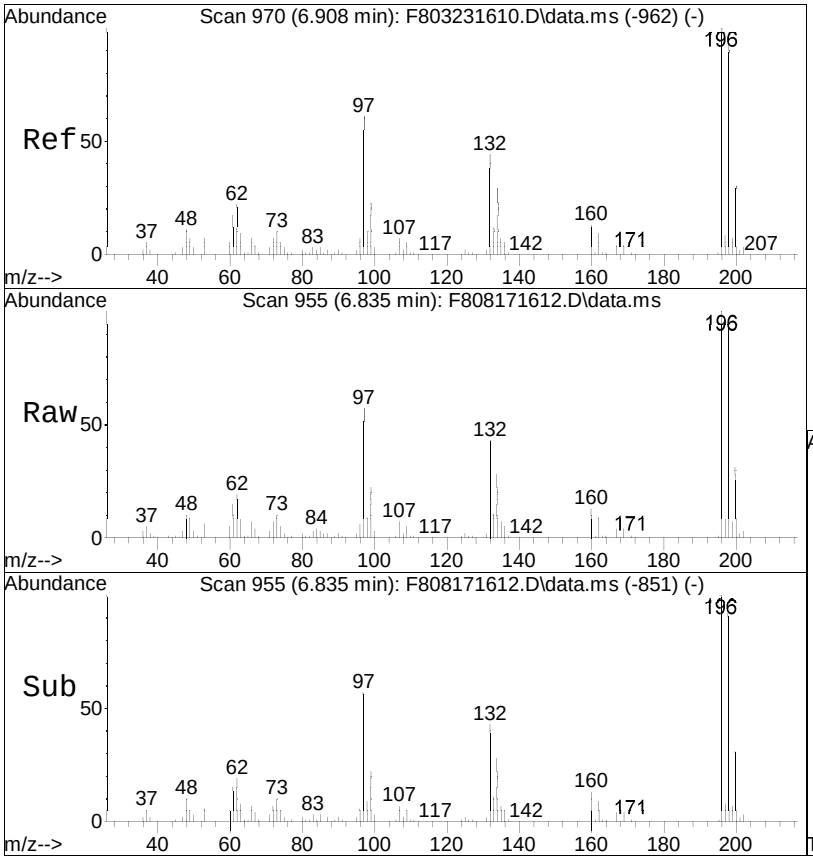


#40
Hexachlorocyclopentadiene
Concen: 2.33 ug/mL
RT: 6.710 min Scan# 929
Delta R.T. 0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:237 Resp: 53538

Ion	Ratio	Lower	Upper
237	100		
235	64.9	53.3	79.9
272	12.1	10.9	16.3

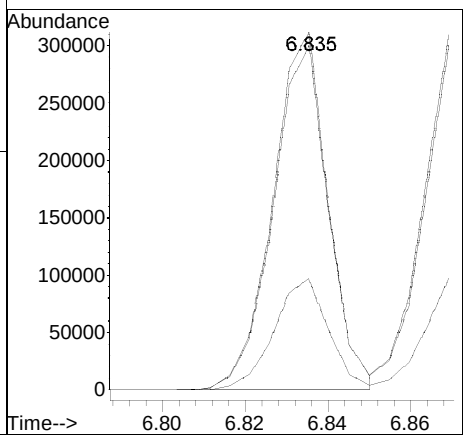


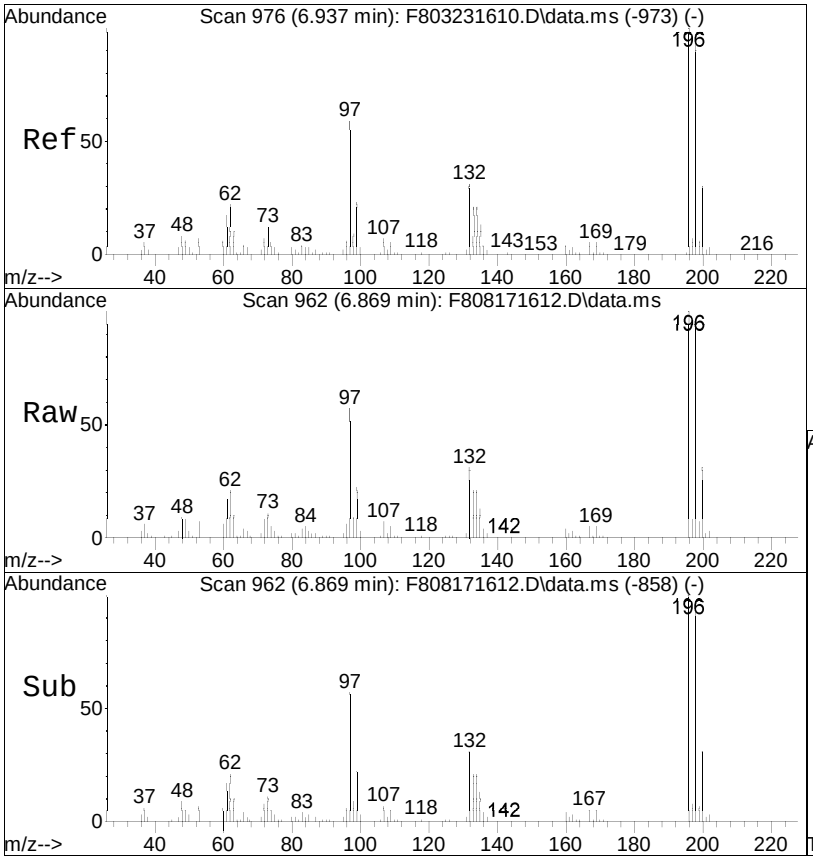


#41
2,4,6-Trichlorophenol
Concen: 8.88 ug/mL M4
RT: 6.835 min Scan# 955
Delta R.T. 0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:196 Resp: 287337

Ion	Ratio	Lower	Upper
196	100		
198	99.0	73.6	110.4
200	31.9	23.5	35.3

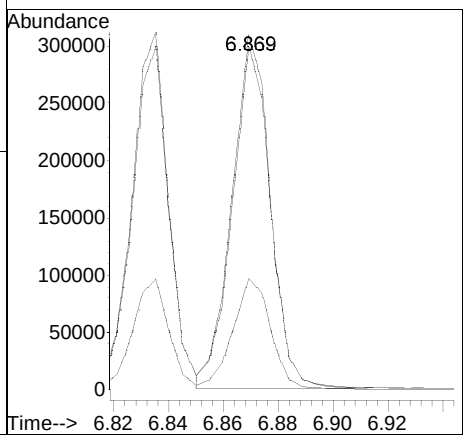


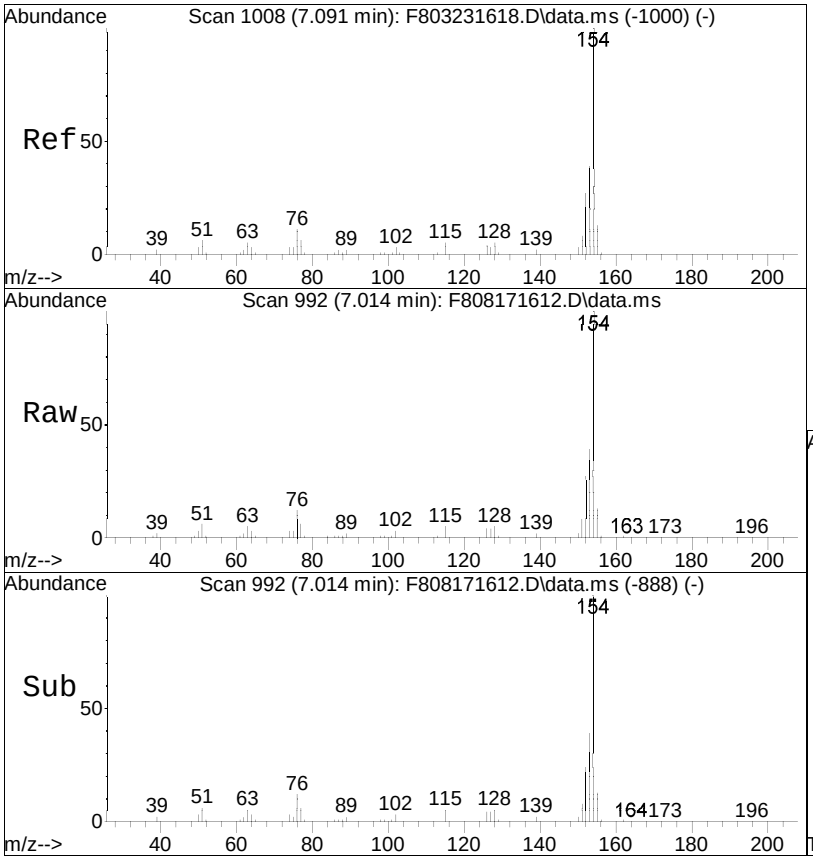


#42
2,4,5-Trichlorophenol
Concen: 9.16 ug/mL M4
RT: 6.869 min Scan# 962
Delta R.T. 0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:196 Resp: 298321

Ion	Ratio	Lower	Upper
196	100		
198	96.3	73.2	109.8
200	32.2	23.9	35.9

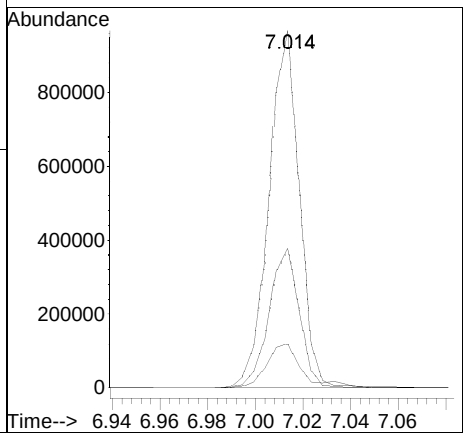


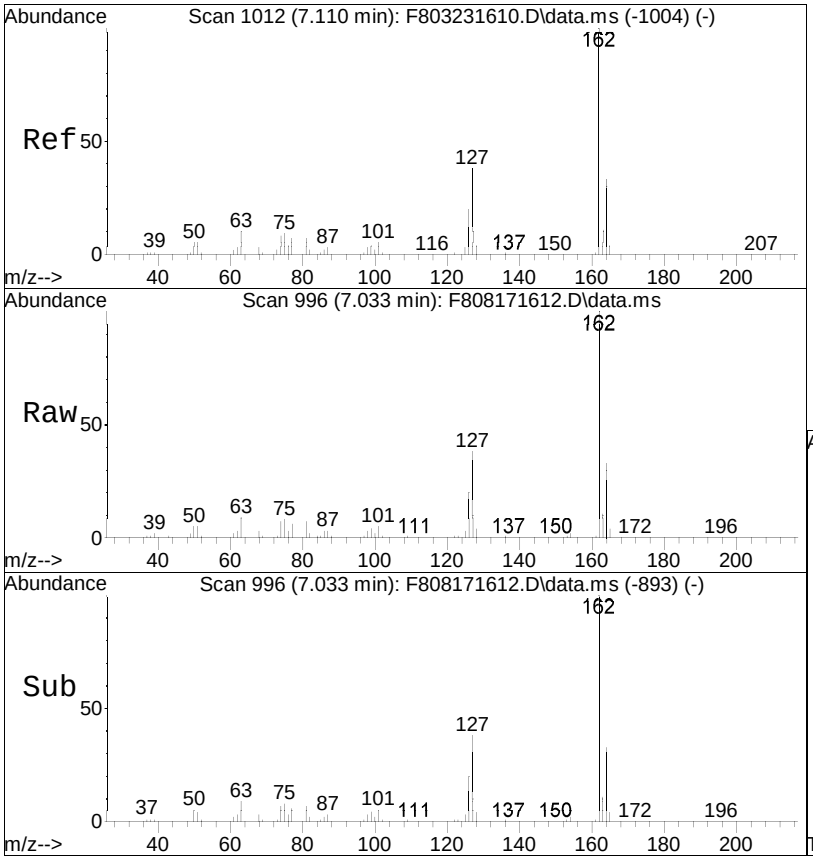


#44
Biphenyl
Concen: 6.46 ug/ml
RT: 7.014 min Scan# 992
Delta R.T. -0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:154 Resp: 852831

Ion	Ratio	Lower	Upper
154	100		
153	39.3	31.4	47.0
76	14.8	9.8	14.6#

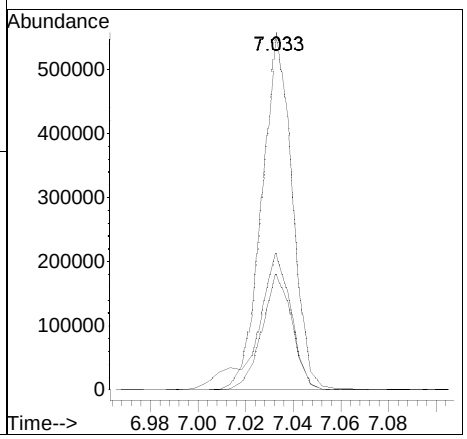


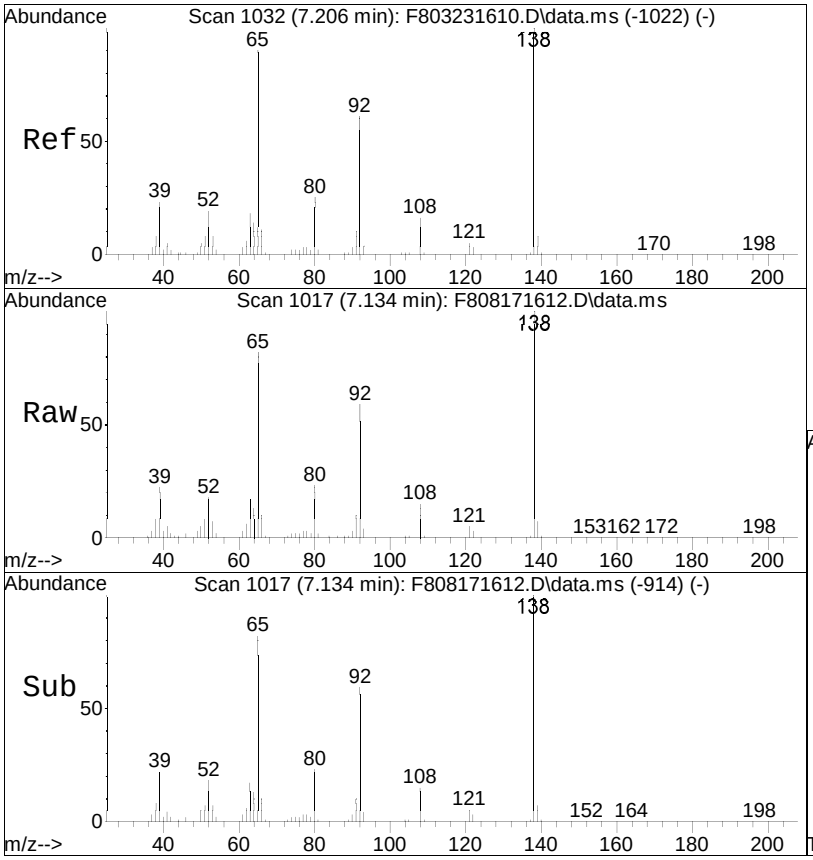


#45
2-Chloronaphthalene
Concen: 5.00 ug/mL
RT: 7.033 min Scan# 996
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:162 Resp: 490149

Ion	Ratio	Lower	Upper
162	100		
164	32.6	26.4	39.6
127	43.8	30.2	45.2

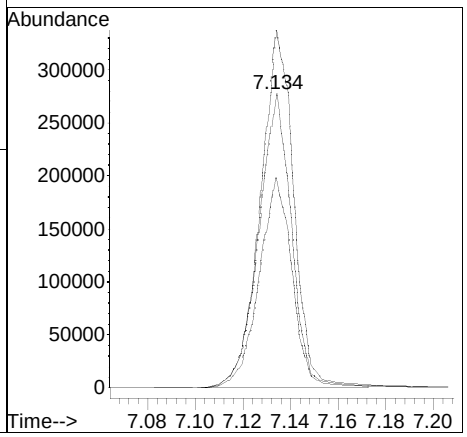


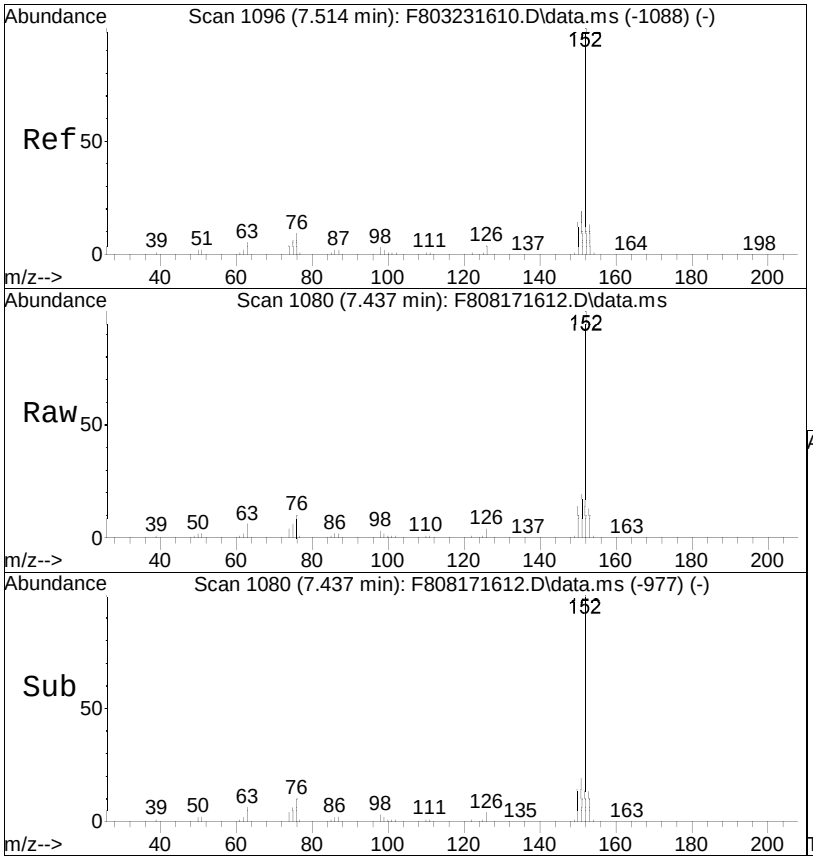


#46
2-Nitroaniline
Concen: 9.85 ug/mL
RT: 7.134 min Scan# 1017
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion: 65 Resp: 263566

Ion	Ratio	Lower	Upper
65	100		
92	72.1	61.0	91.4
138	123.6	122.0	183.0

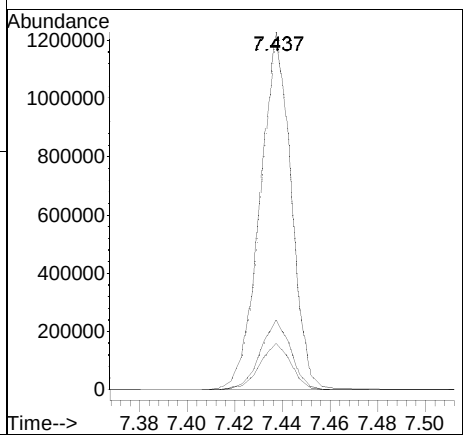


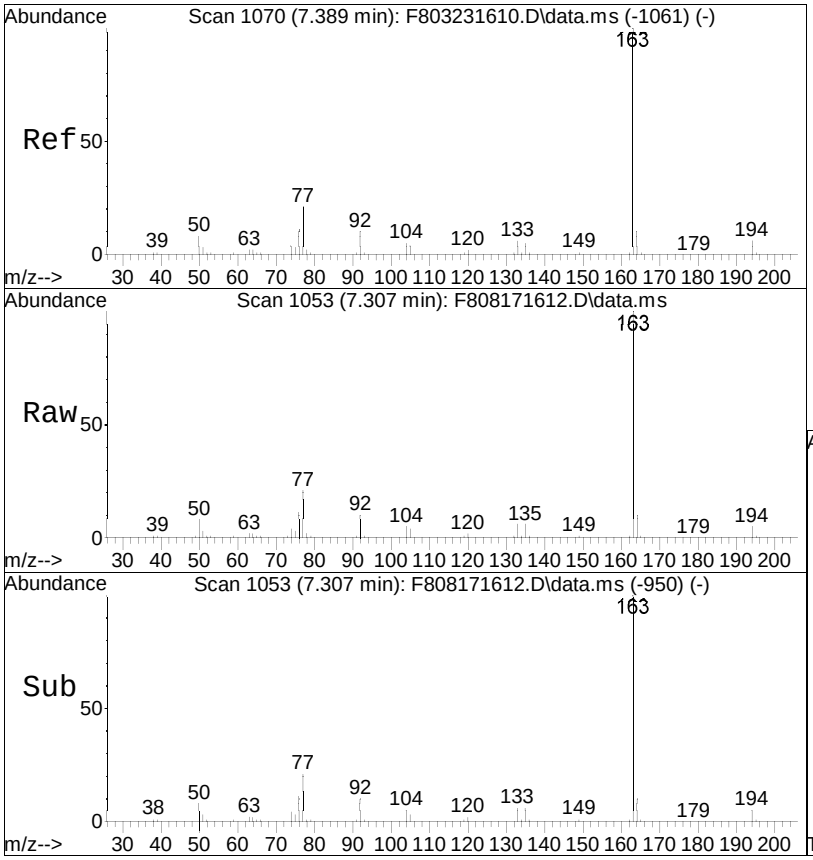


#47
Acenaphthylene
Concen: 6.86 ug/mL
RT: 7.437 min Scan# 1080
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:152 Resp: 1099930

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.8	23.8
153	13.2	10.6	16.0

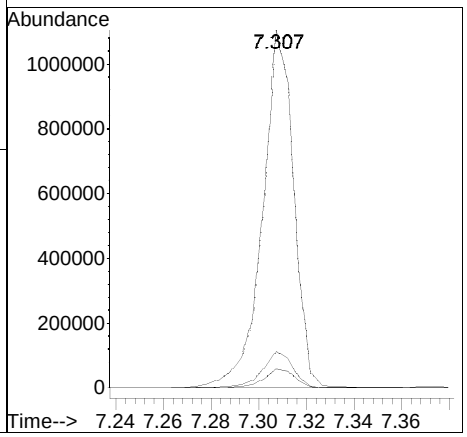


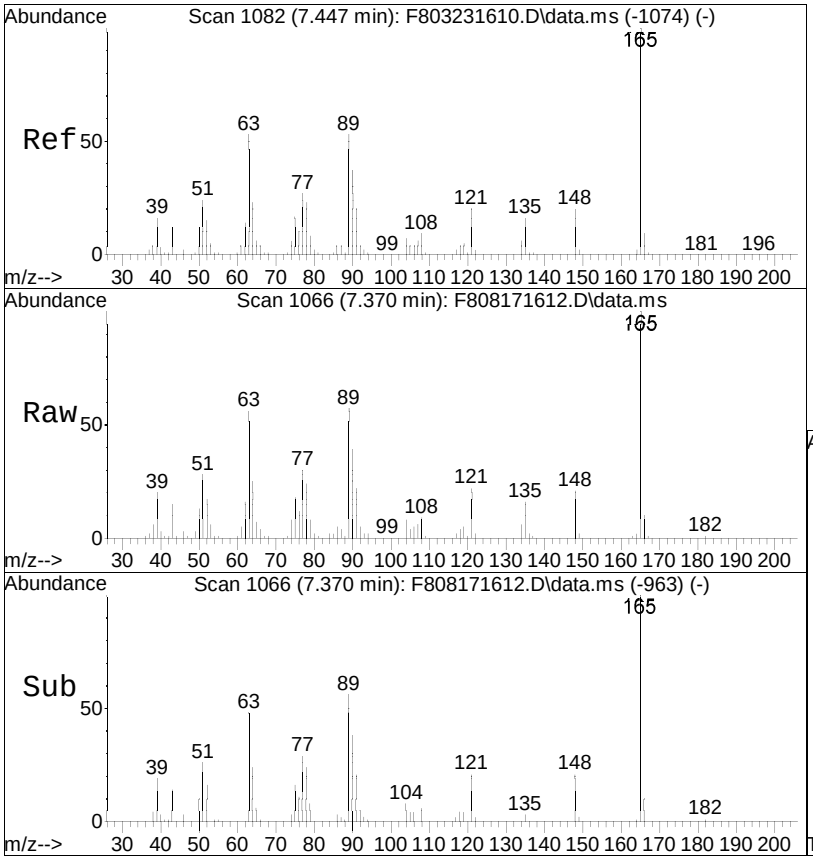


#48
Dimethylphthalate
Concen: 9.21 ug/mL
RT: 7.307 min Scan# 1053
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:163 Resp: 984171

Ion	Ratio	Lower	Upper
163	100		
194	5.5	4.4	6.6
164	10.1	8.3	12.5

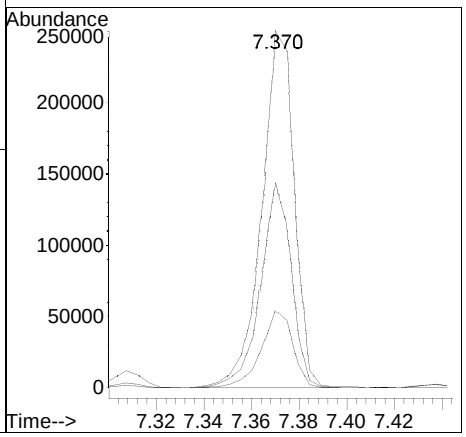


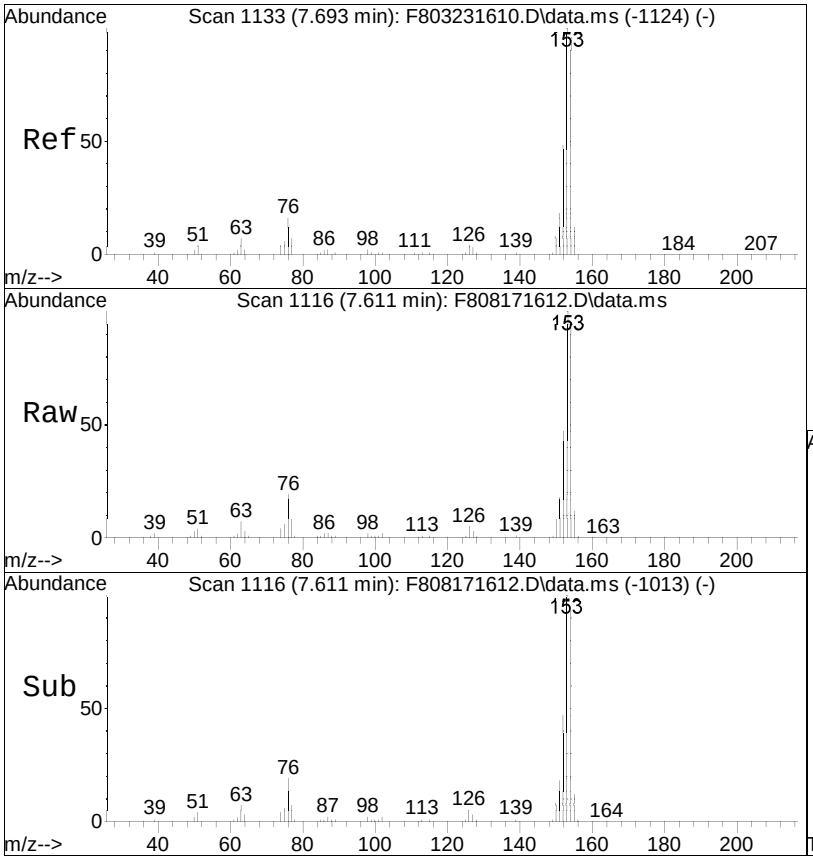


#49
2,6-Dinitrotoluene
Concen: 9.46 ug/mL
RT: 7.370 min Scan# 1066
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:165 Resp: 235449

Ion	Ratio	Lower	Upper
165	100		
89	54.3	40.5	60.7
121	21.6	16.6	25.0

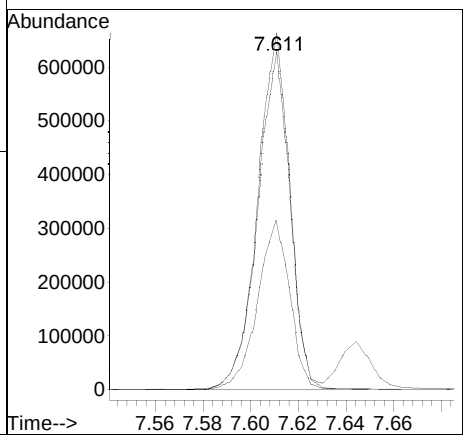


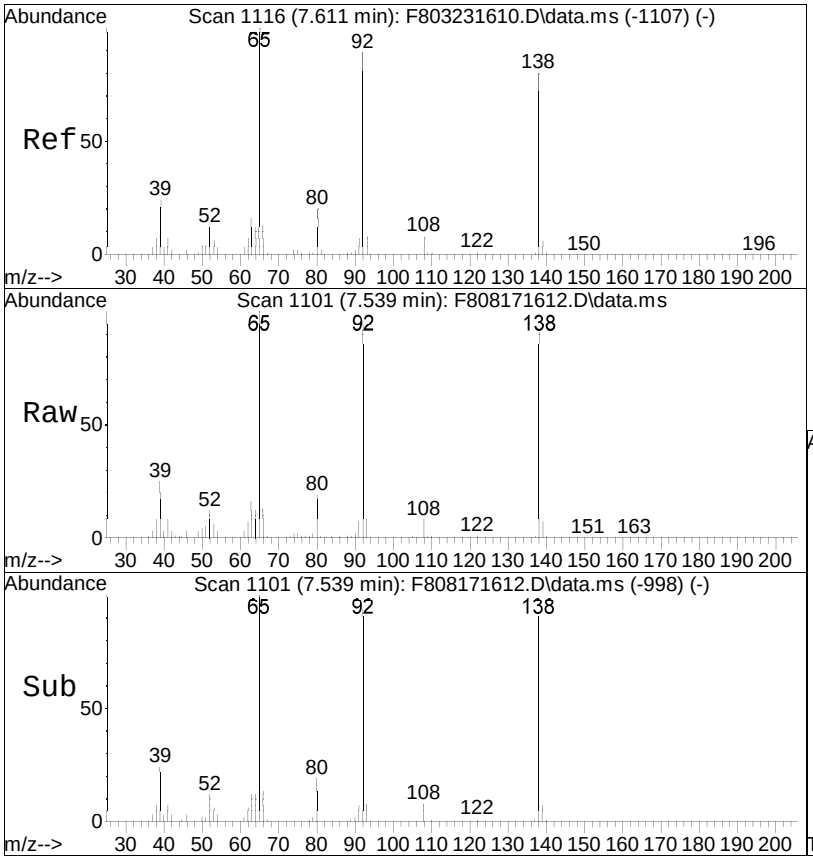


#50
Acenaphthene
Concen: 6.28 ug/mL
RT: 7.611 min Scan# 1116
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:153 Resp: 622689

Ion	Ratio	Lower	Upper
153	100		
154	106.9	75.4	113.0
152	47.5	39.3	58.9

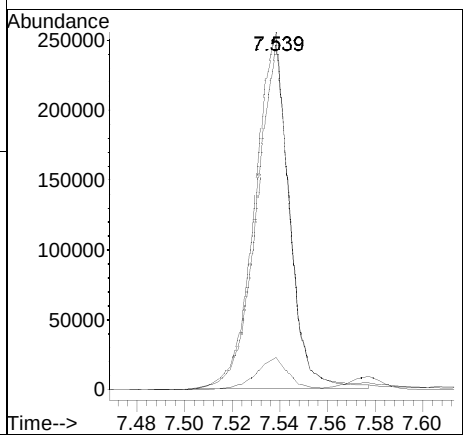


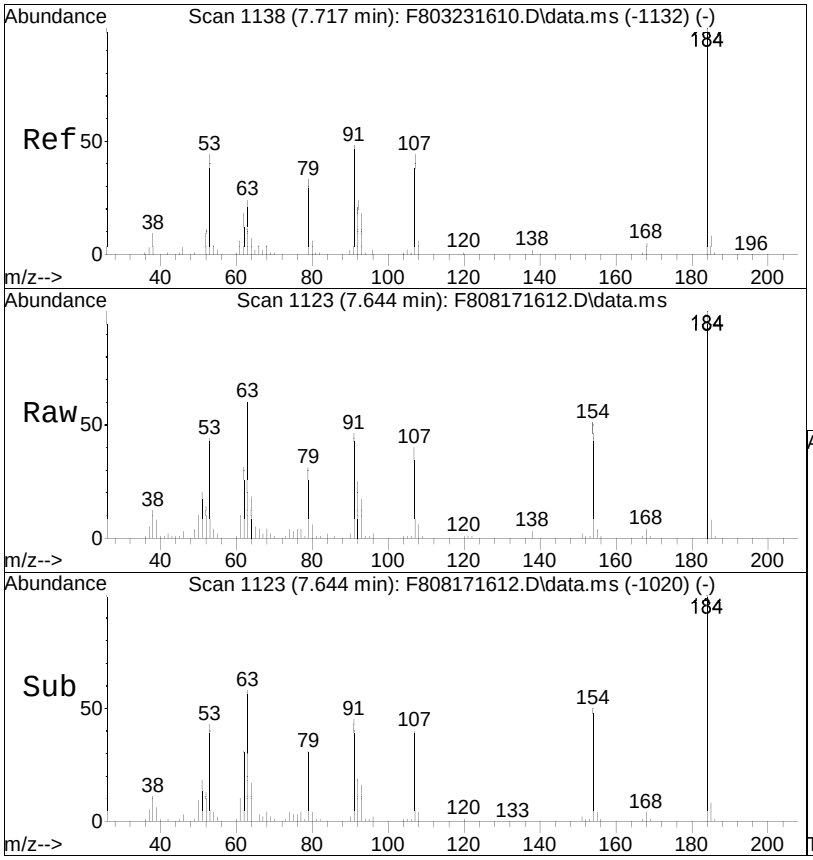


#51
3-Nitroaniline
Concen: 8.21 ug/mL
RT: 7.539 min Scan# 1101
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:138 Resp: 235491

Ion	Ratio	Lower	Upper
138	100		
108	9.4	8.9	13.3
92	106.5	72.2	108.4

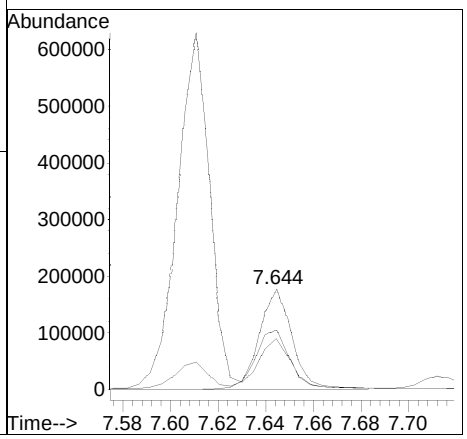


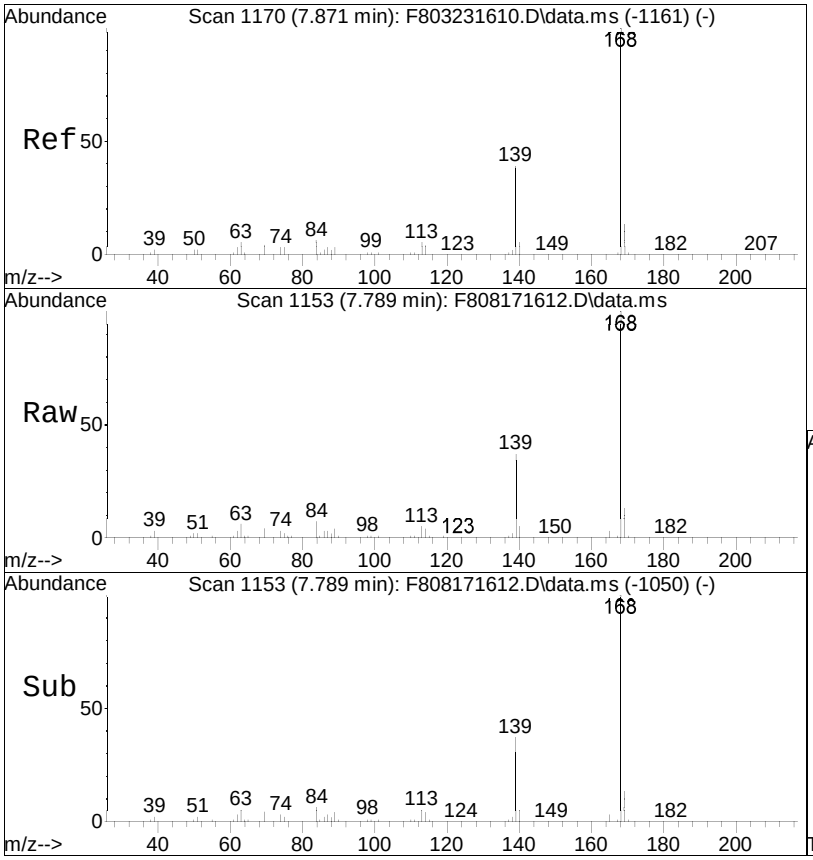


#52
2,4-Dinitrophenol
Concen: 8.95 ug/mL
RT: 7.644 min Scan# 1123
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:184 Resp: 170966

Ion	Ratio	Lower	Upper
184	100		
63	60.6	43.8	65.6
154	49.2	37.1	55.7

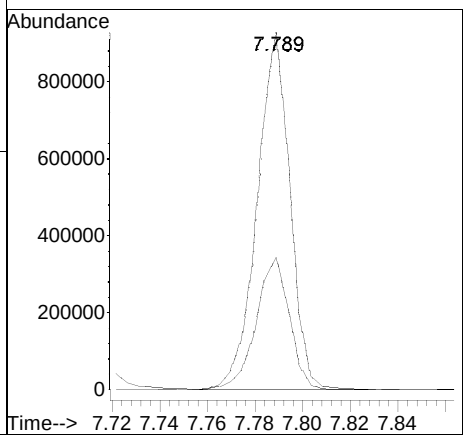


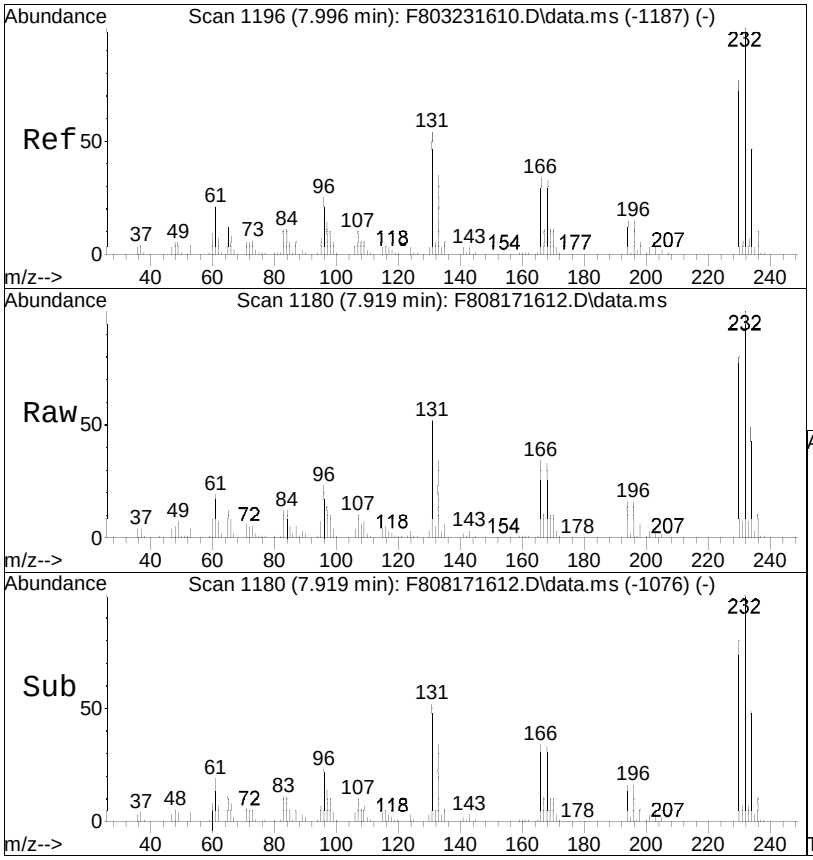


#53
Dibenzofuran
Concen: 6.75 ug/mL
RT: 7.789 min Scan# 1153
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:168 Resp: 877884

Ion	Ratio	Lower	Upper
168	100		
139	37.3	28.8	43.2

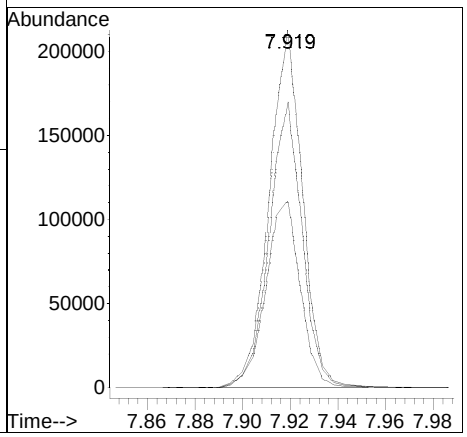


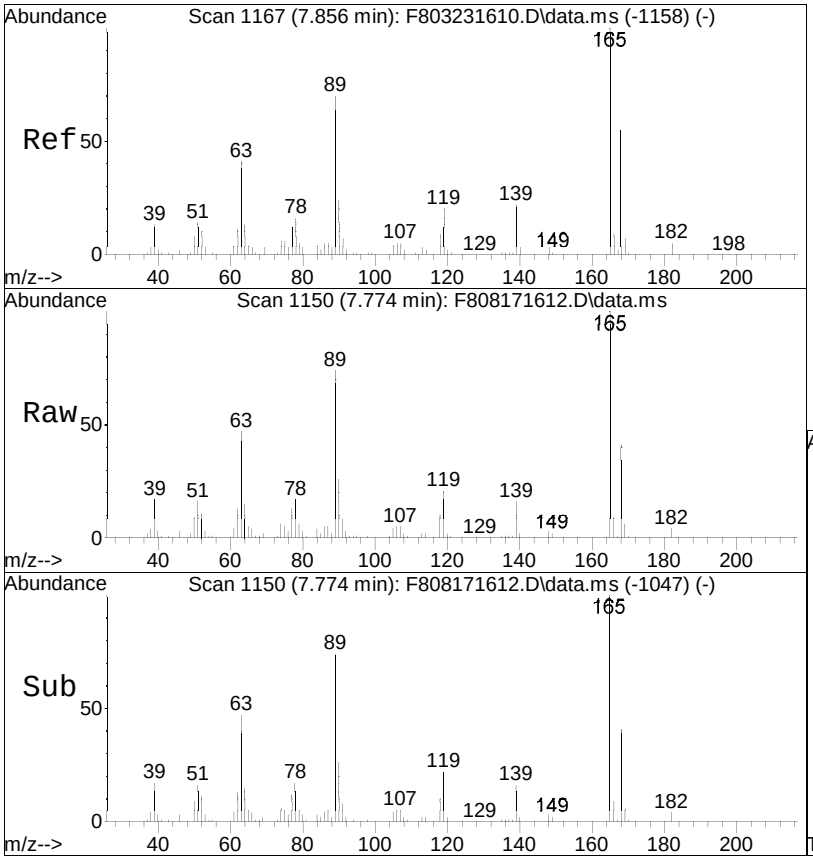


#54
2,3,4,6-Tetrachlorophenol
Concen: 8.86 ug/mL
RT: 7.919 min Scan# 1180
Delta R.T. 0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:232 Resp: 204322

Ion	Ratio	Lower	Upper
232	100		
131	55.2	43.1	64.7
230	79.8	63.0	94.6

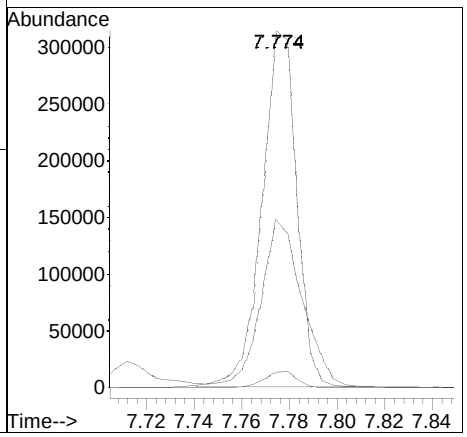


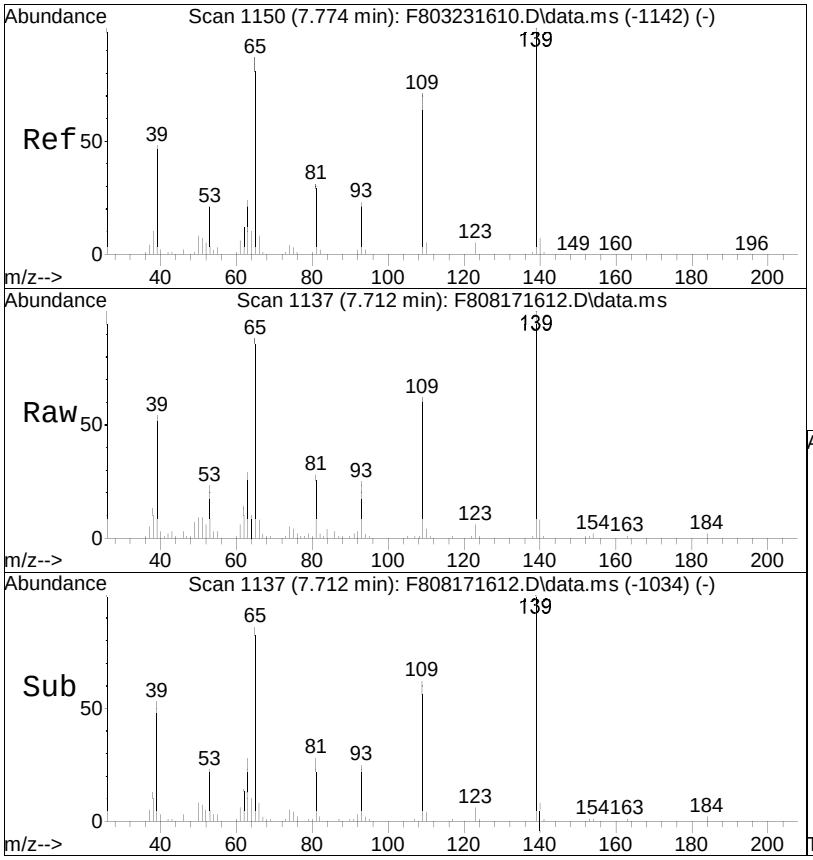


#55
2,4-Dinitrotoluene
Concen: 9.80 ug/mL
RT: 7.774 min Scan# 1150
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:165 Resp: 314411

Ion	Ratio	Lower	Upper
165	100		
63	56.1	30.9	46.3#
182	4.6	3.5	5.3

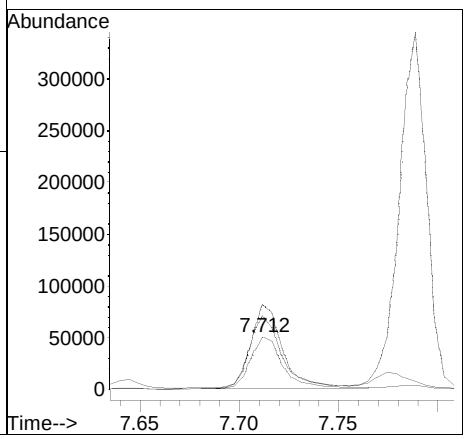


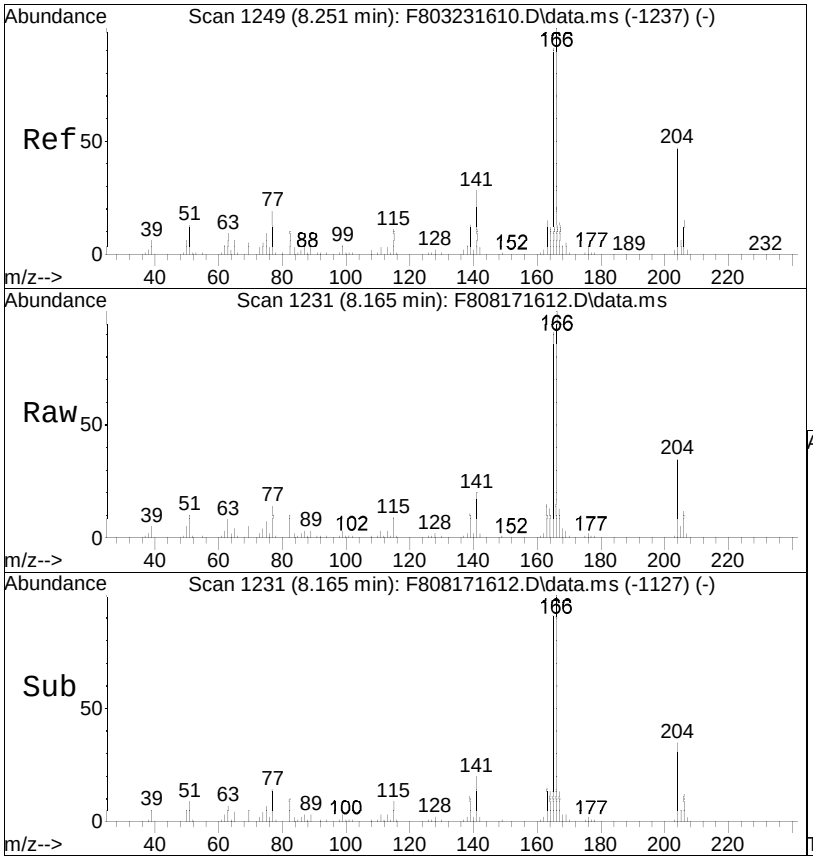


#56
4-Nitrophenol
Concen: 4.21 ug/mL
RT: 7.712 min Scan# 1137
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:109 Resp: 59043

Ion	Ratio	Lower	Upper
109	100		
139	155.1	149.7	224.5
65	135.5	107.3	160.9

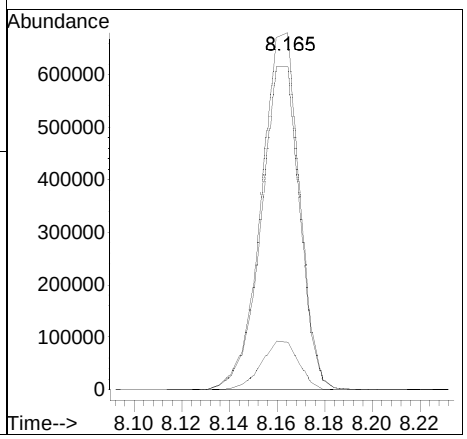


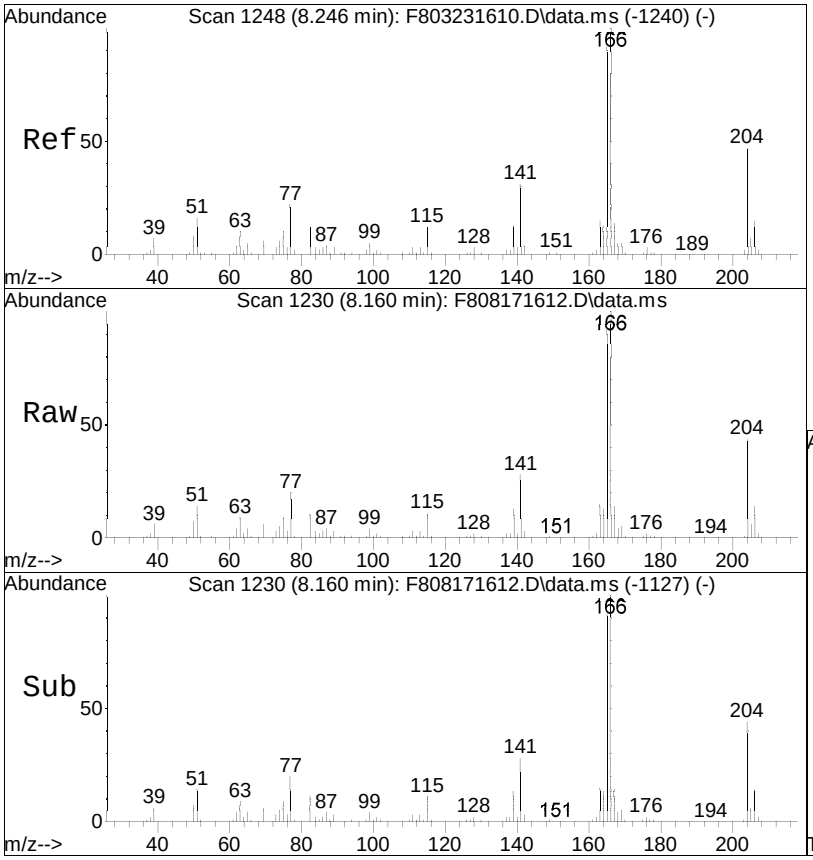


#57
Fluorene
Concen: 7.30 ug/mL
RT: 8.165 min Scan# 1231
Delta R.T. 0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:166 Resp: 759788

Ion	Ratio	Lower	Upper
166	100		
165	90.8	72.9	109.3
167	13.6	10.9	16.3

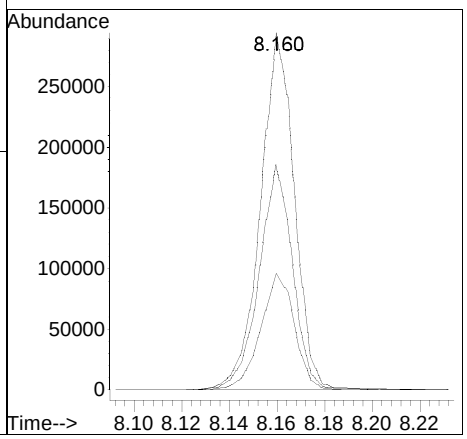


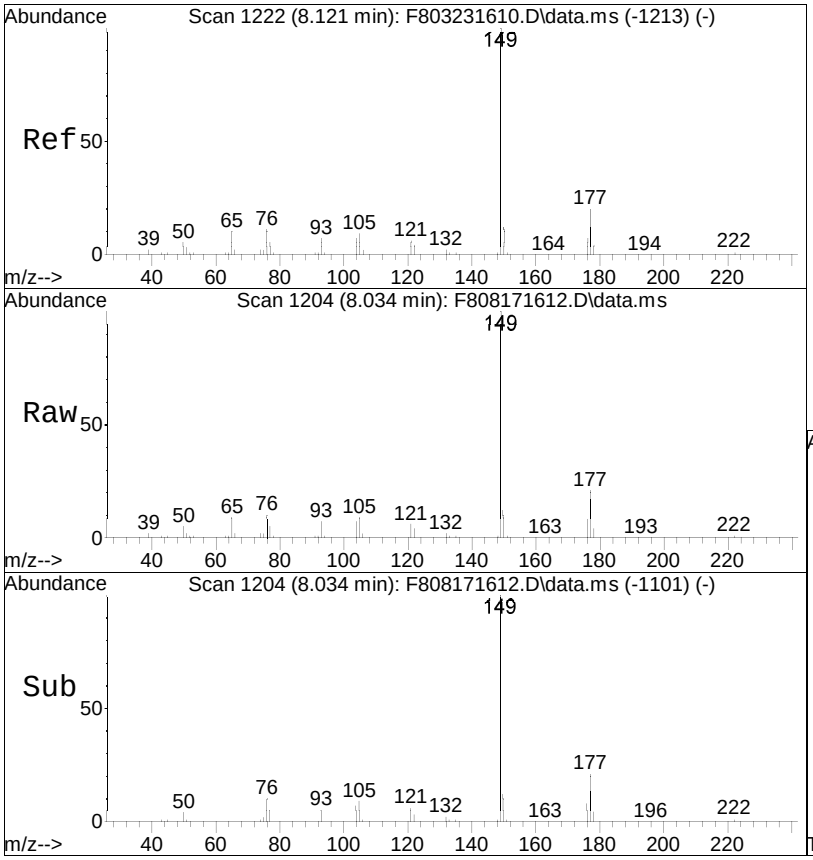


#58
4-Chlorophenyl-phenylether
Concen: 6.09 ug/mL
RT: 8.160 min Scan# 1230
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:204 Resp: 289206

Ion	Ratio	Lower	Upper
204	100		
206	32.9	25.9	38.9
141	62.1	46.2	69.4

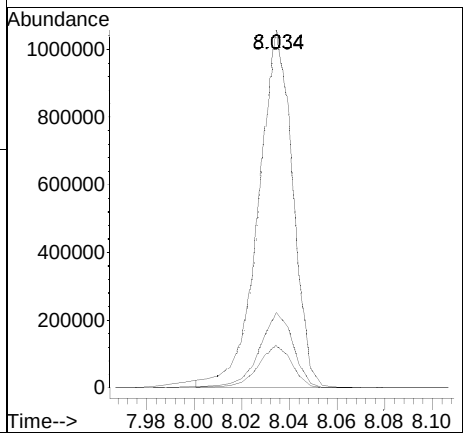


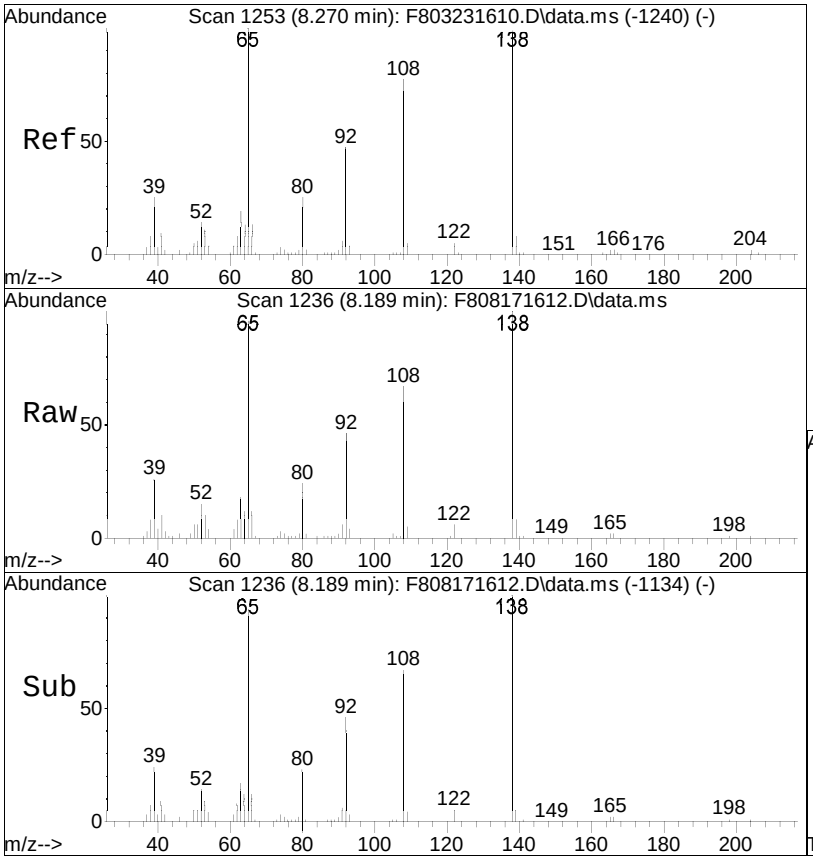


#59
Diethylphthalate
Concen: 9.50 ug/mL
RT: 8.034 min Scan# 1204
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:149 Resp: 1045199

Ion	Ratio	Lower	Upper
149	100		
177	21.2	16.6	24.8
150	12.1	9.8	14.6

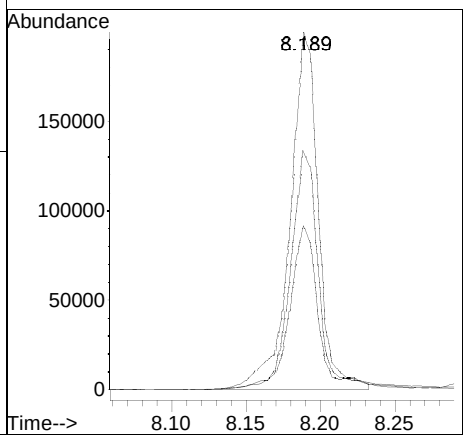


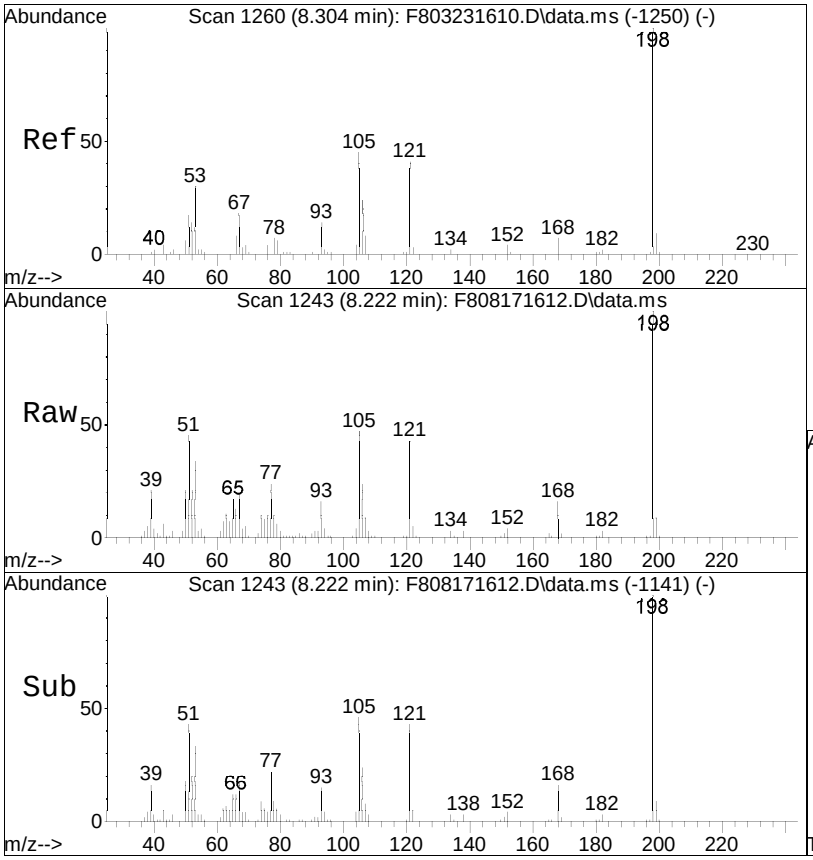


#60
4-Nitroaniline
Concen: 9.11 ug/mL
RT: 8.189 min Scan# 1236
Delta R.T. -0.010 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:138 Resp: 262938

Ion	Ratio	Lower	Upper
138	100		
92	47.0	32.7	49.1
108	64.8	45.8	68.6

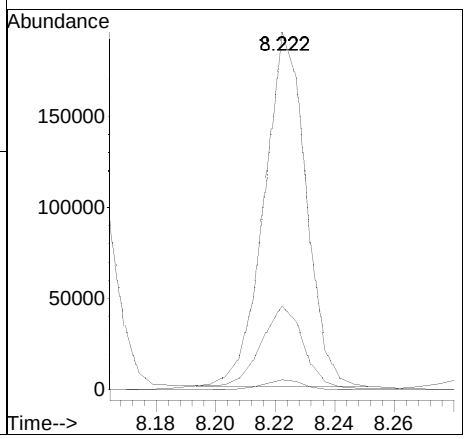


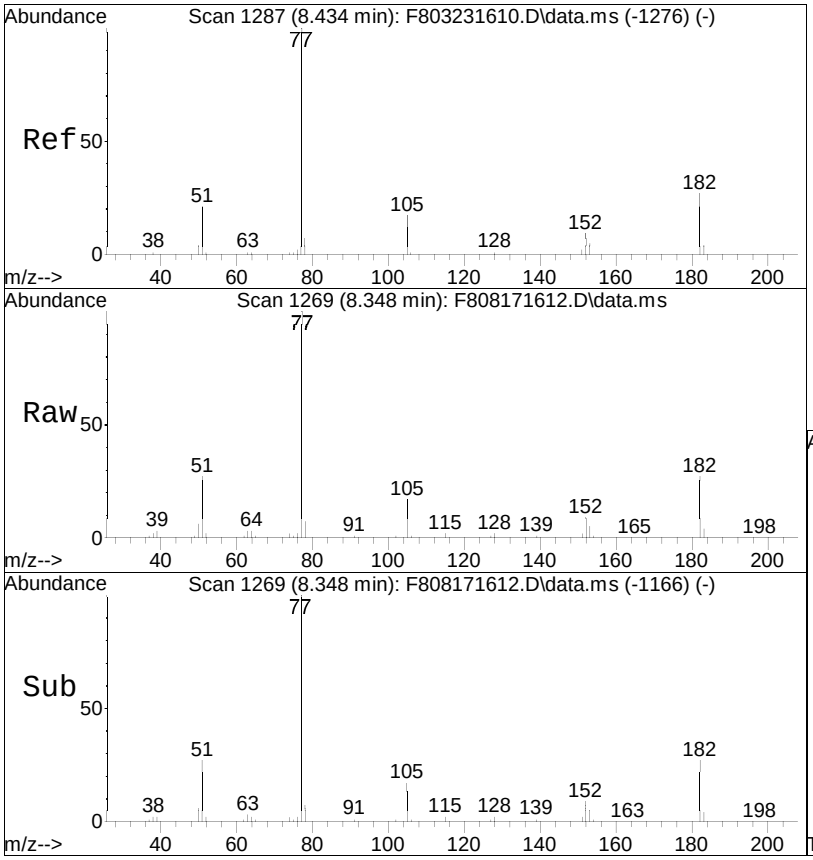


#62
4,6-Dinitro-2-methylphenol
Concen: 9.23 ug/mL
RT: 8.222 min Scan# 1243
Delta R.T. -0.010 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:198 Resp: 188391

Ion	Ratio	Lower	Upper
198	100		
182	3.1	2.2	3.2
77	23.5	16.8	25.2

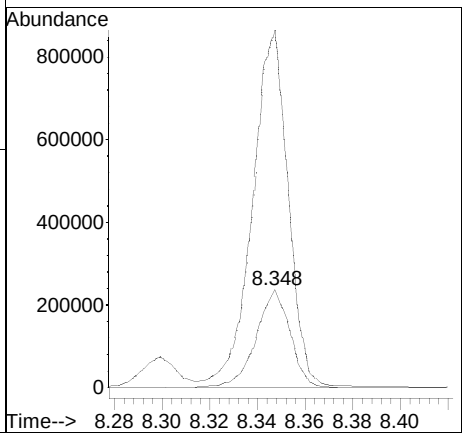


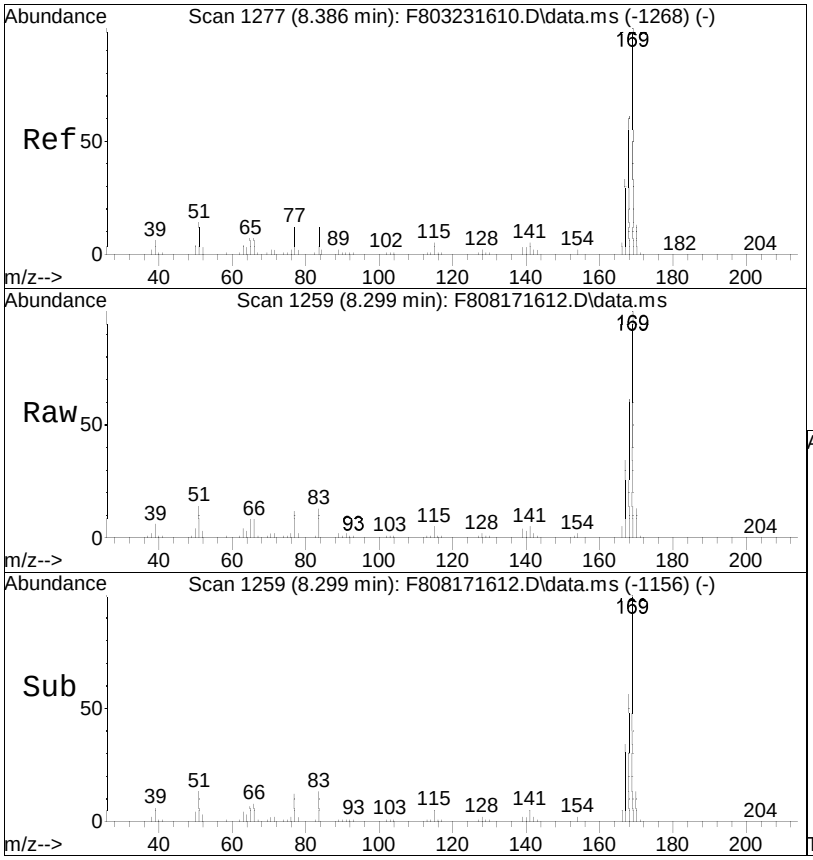


#63
Azobenzene
Concen: 8.05 ug/mL
RT: 8.348 min Scan# 1269
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:182 Resp: 232189

Ion	Ratio	Lower	Upper
182	100		
77	379.8	54.9	631.7

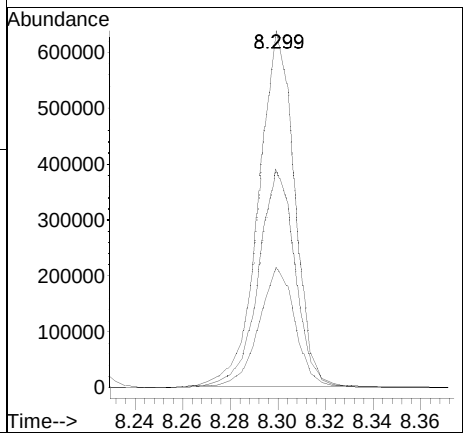


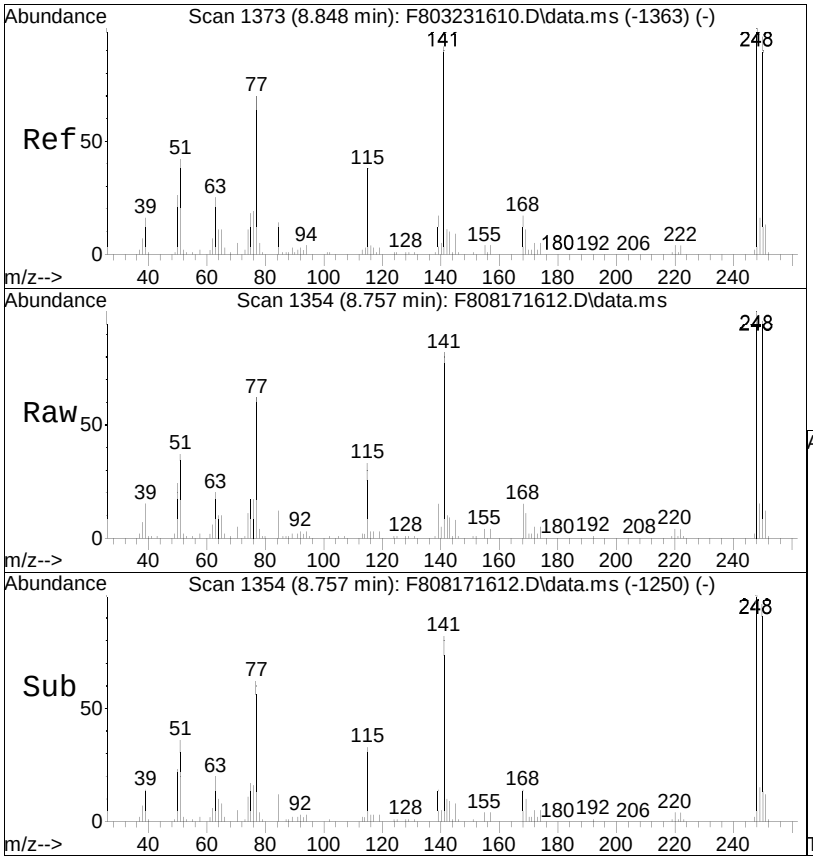


#64
n-Nitrosodiphenylamine
Concen: 9.12 ug/mL
RT: 8.299 min Scan# 1259
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:169 Resp: 662980

Ion	Ratio	Lower	Upper
169	100		
168	62.8	49.4	74.2
167	34.4	26.7	40.1

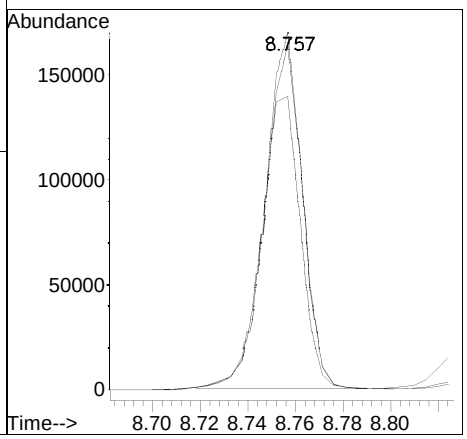


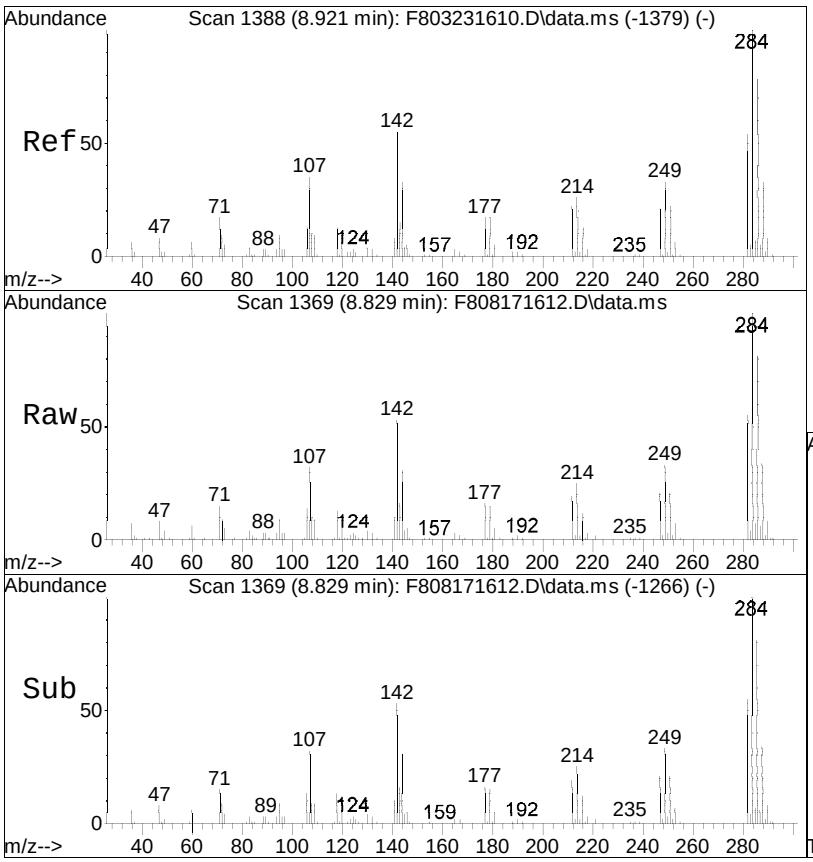


#66
4-Bromophenyl-phenylether
Concen: 7.14 ug/mL
RT: 8.757 min Scan# 1354
Delta R.T. 0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:248 Resp: 183270

Ion	Ratio	Lower	Upper
248	100		
250	97.0	77.3	115.9
141	86.1	61.7	92.5

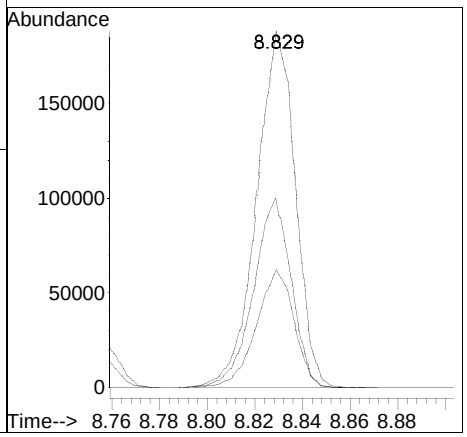


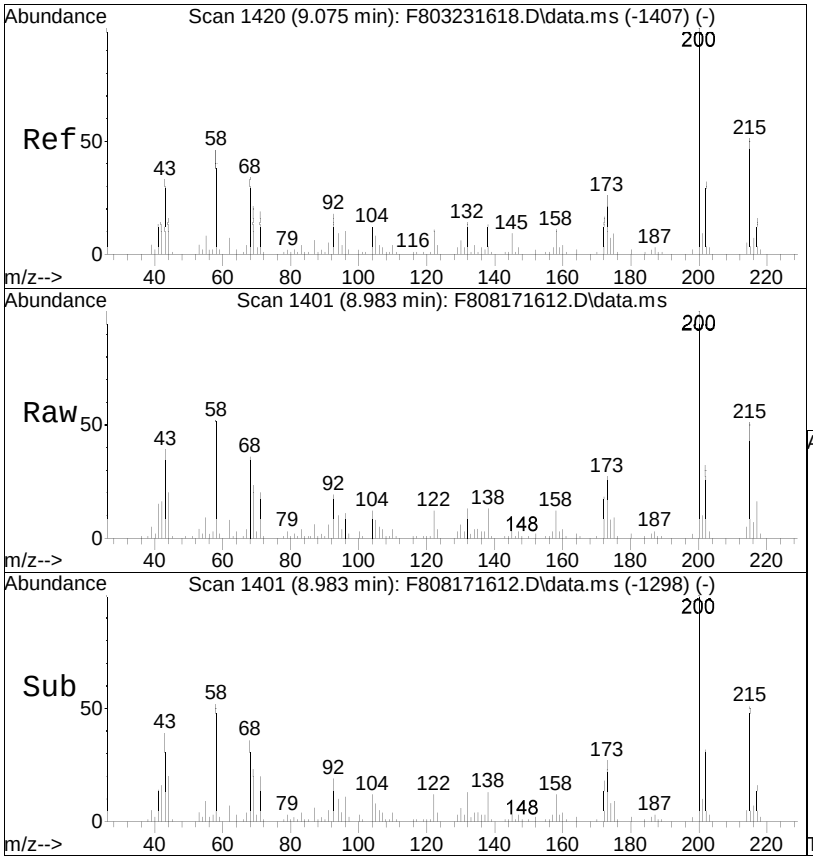


#67
Hexachlorobenzene
Concen: 8.06 ug/mL
RT: 8.829 min Scan# 1369
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:284 Resp: 211615

Ion	Ratio	Lower	Upper
284	100		
142	51.8	37.8	56.6
249	32.6	24.8	37.2

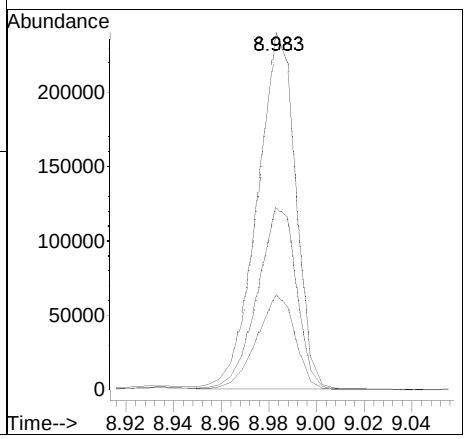


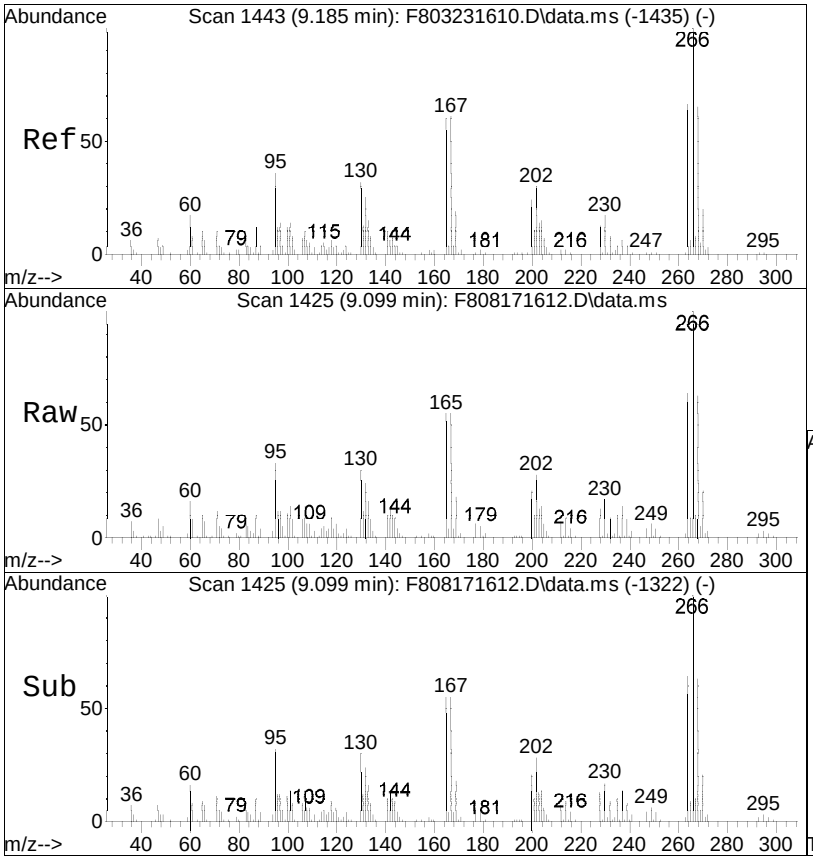


#68
Atrazine
Concen: 9.12 ug/ml
RT: 8.983 min Scan# 1401
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:200 Resp: 267113

Ion	Ratio	Lower	Upper
200	100		
173	26.8	22.4	33.6
215	52.1	43.8	65.6

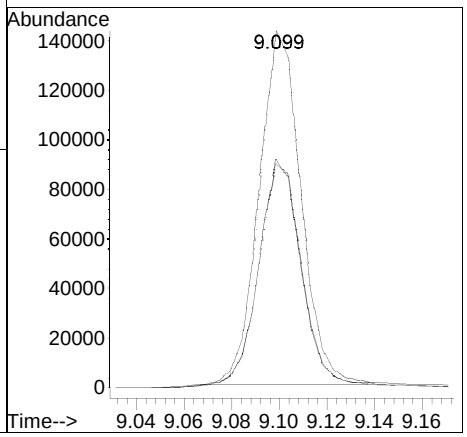


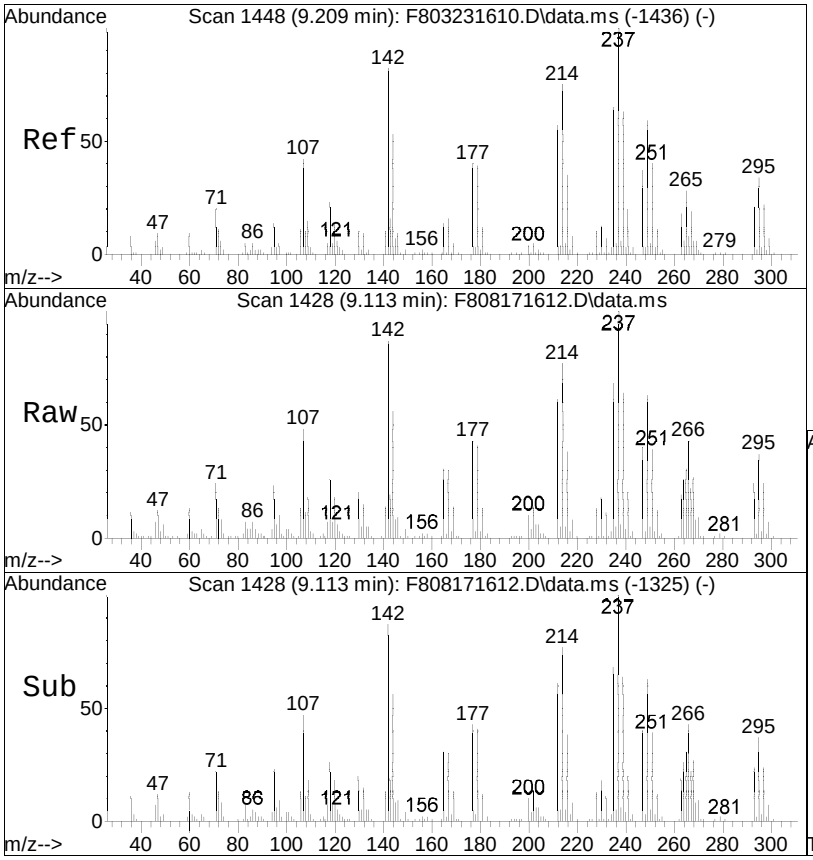


#69
Pentachlorophenol
Concen: 8.98 ug/mL
RT: 9.099 min Scan# 1425
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:266 Resp: 174770

Ion	Ratio	Lower	Upper
266	100		
264	63.4	49.7	74.5
268	64.4	48.1	72.1

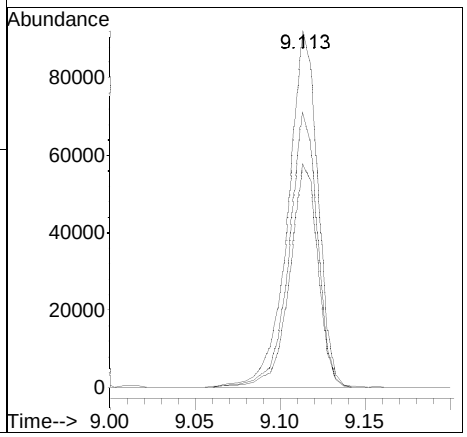


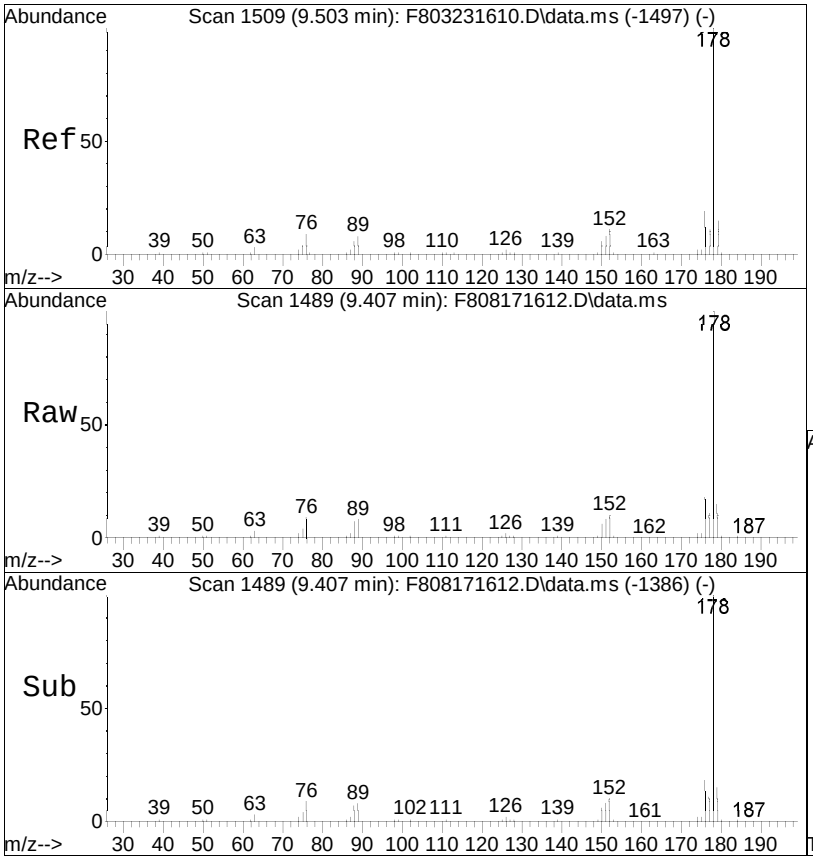


#70
Pentachloronitrobenzene
Concen: 10.03 ug/ml
RT: 9.113 min Scan# 1428
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:237 Resp: 112871

Ion	Ratio	Lower	Upper
237	100		
214	72.5	63.4	95.2
249	58.7	54.9	82.3

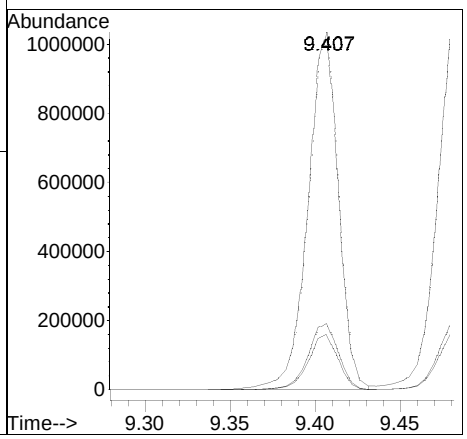


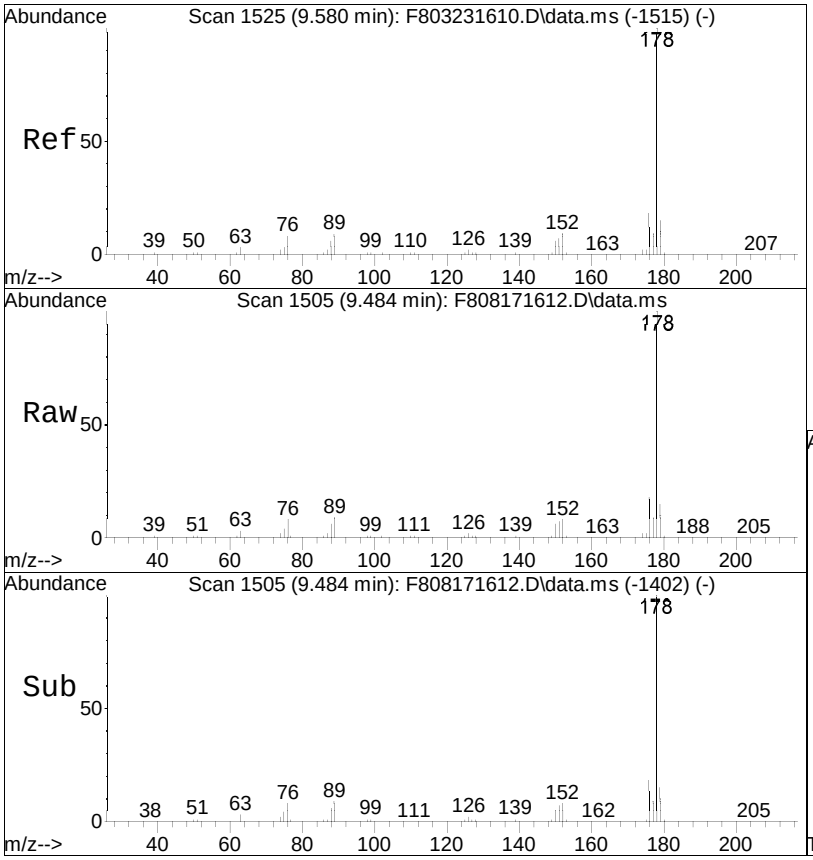


#71
Phenanthrene
Concen: 8.52 ug/mL
RT: 9.407 min Scan# 1489
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:178 Resp: 1286129

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.4	18.6
176	18.6	15.0	22.6

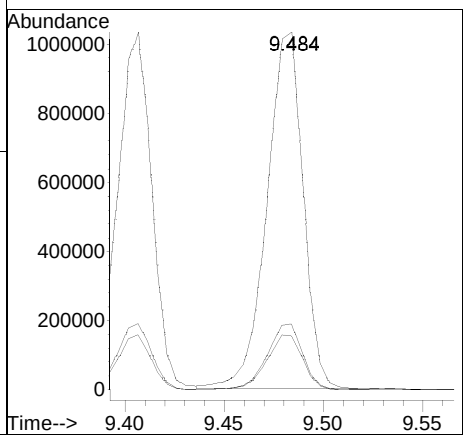


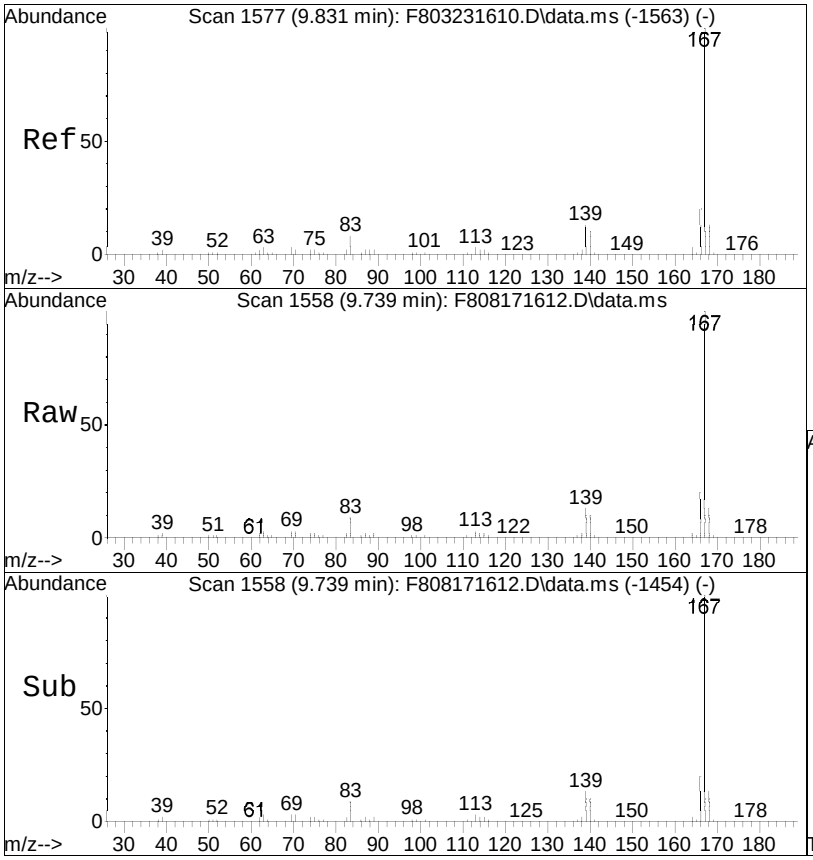


#72
Anthracene
Concen: 8.71 ug/mL
RT: 9.484 min Scan# 1505
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:178 Resp: 1303813

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.6	18.8
176	18.1	14.6	22.0

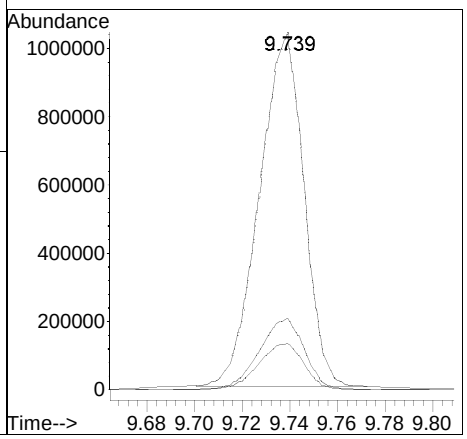


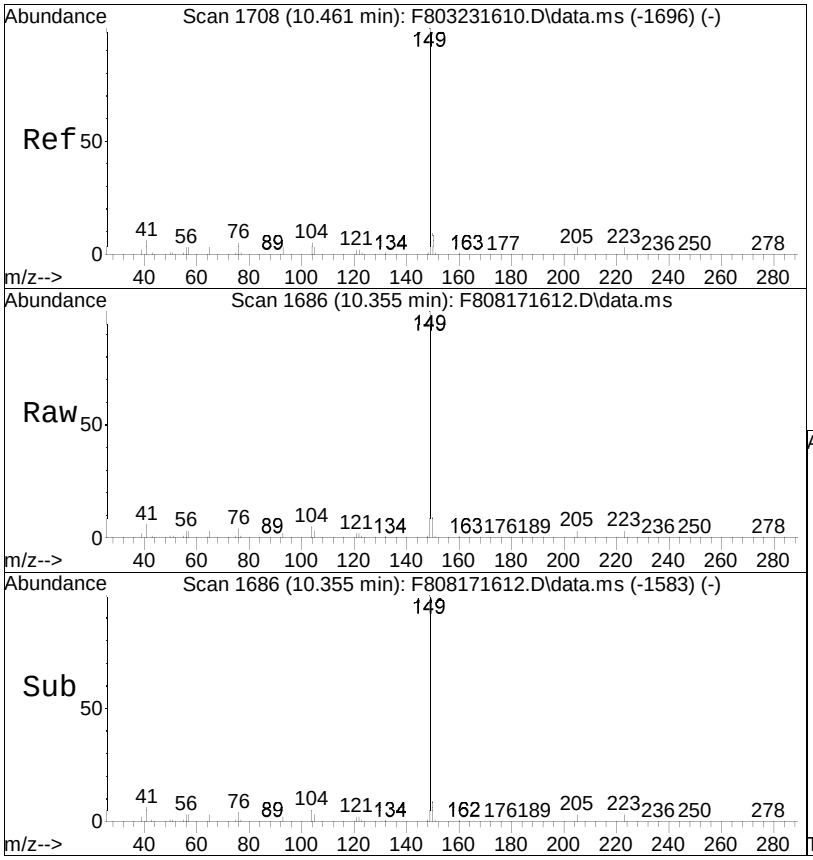


#73
Carbazole
Concen: 9.40 ug/mL
RT: 9.739 min Scan# 1558
Delta R.T. 0.000 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:167 Resp: 1328990

Ion	Ratio	Lower	Upper
167	100		
139	13.3	10.3	15.5
166	20.1	15.9	23.9

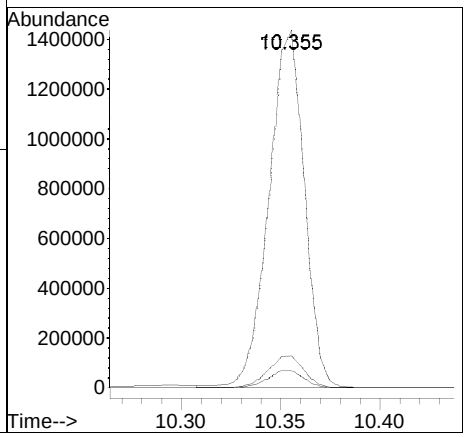


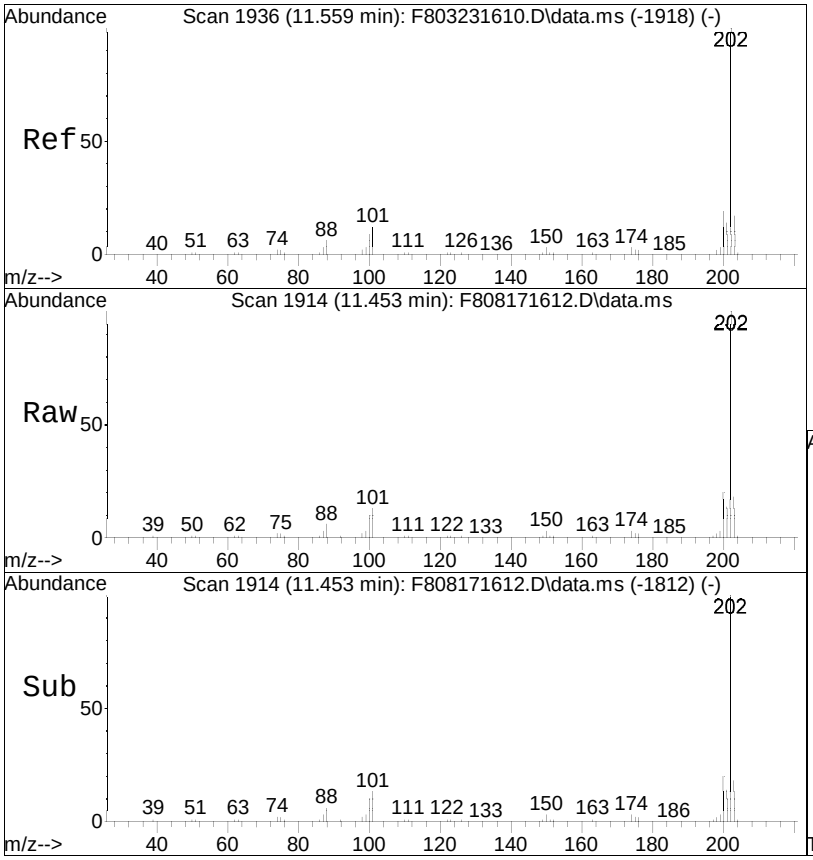


#74
Di-n-butylphthalate
Concen: 9.89 ug/mL
RT: 10.355 min Scan# 1686
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:149 Resp: 1755680

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	5.0	3.5	5.3

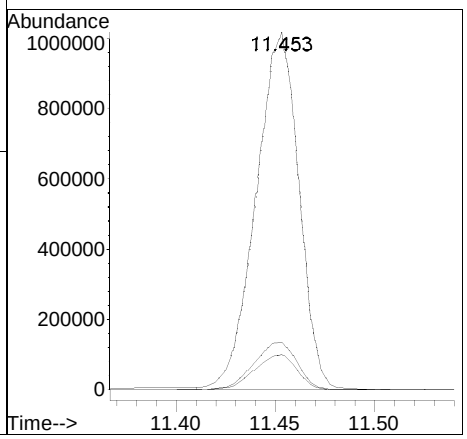


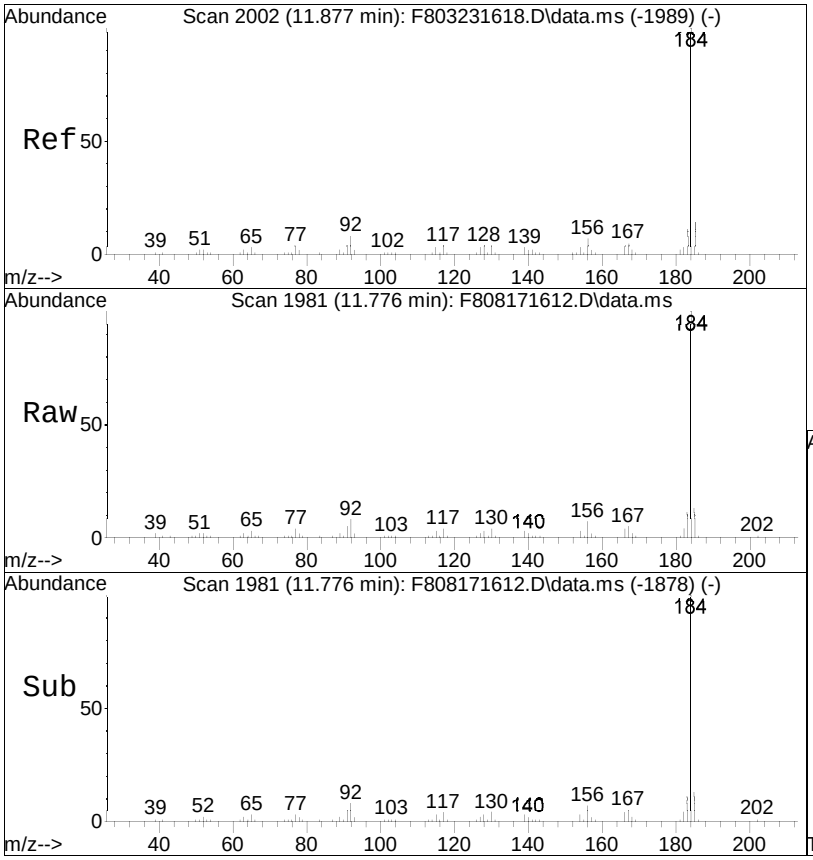


#75
Fluoranthene
Concen: 9.36 ug/mL
RT: 11.453 min Scan# 1914
Delta R.T. -0.010 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:202 Resp: 1505576

Ion	Ratio	Lower	Upper
202	100		
101	13.5	13.4	20.2
100	10.0	9.4	14.2

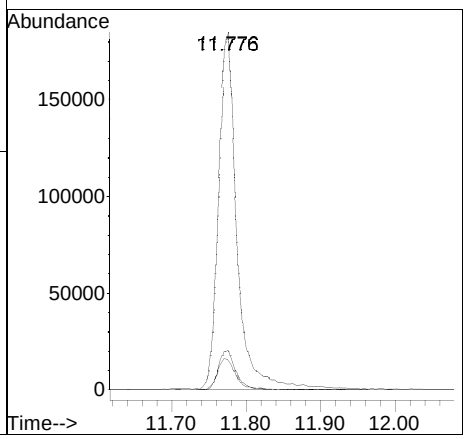


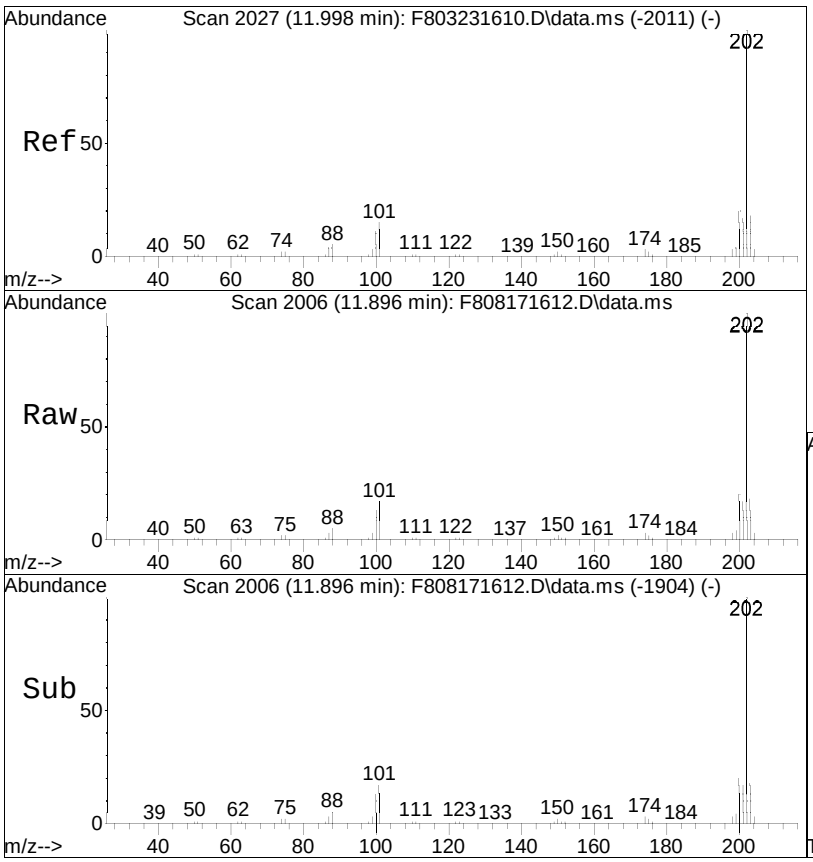


#77
Benzidine
Concen: 2.87 ug/mL
RT: 11.776 min Scan# 1981
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:184 Resp: 308698

Ion	Ratio	Lower	Upper
184	100		
183	11.4	9.0	13.4
92	9.7	7.4	11.2

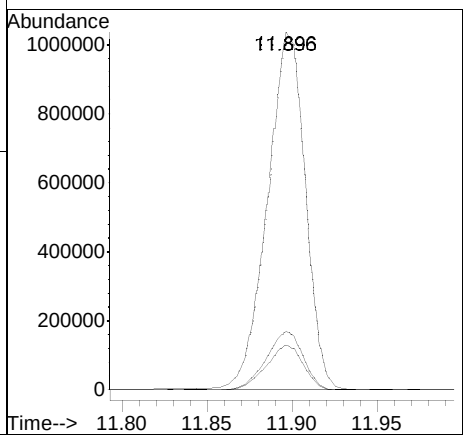


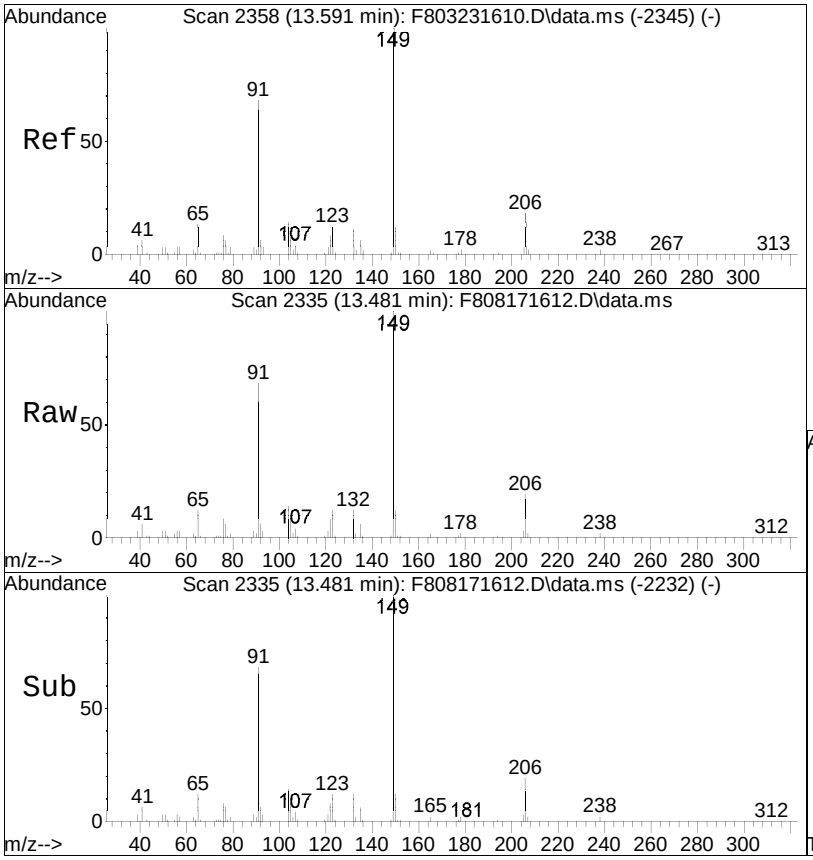


#78
Pyrene
Concen: 9.75 ug/mL
RT: 11.896 min Scan# 2006
Delta R.T. -0.010 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:202 Resp: 1583214

Ion	Ratio	Lower	Upper
202	100		
101	16.1	14.9	22.3
100	12.4	11.4	17.2

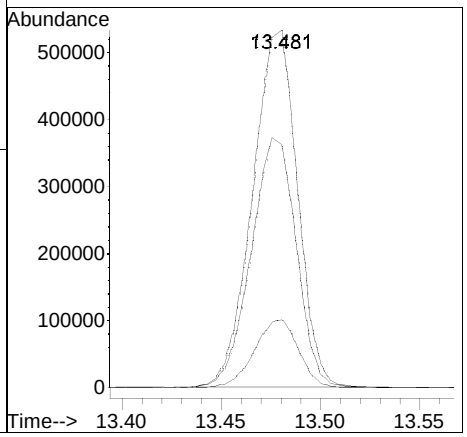


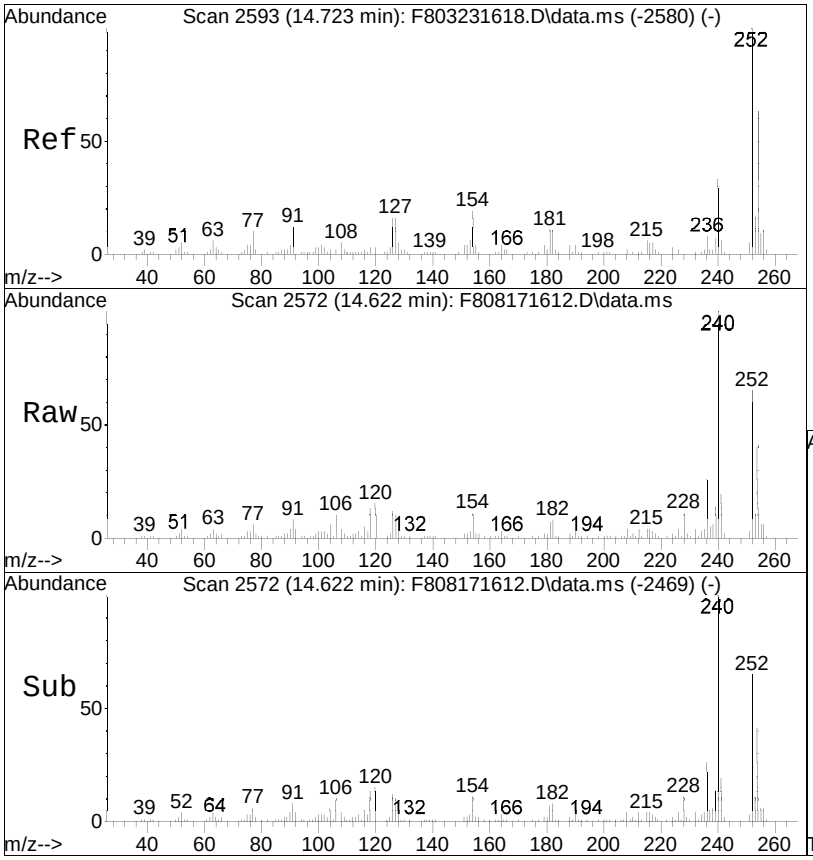


#80
Butylbenzylphthalate
Concen: 9.75 ug/mL
RT: 13.481 min Scan# 2335
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:149 Resp: 828184

Ion	Ratio	Lower	Upper
149	100		
91	70.4	50.8	76.2
206	18.9	15.0	22.4

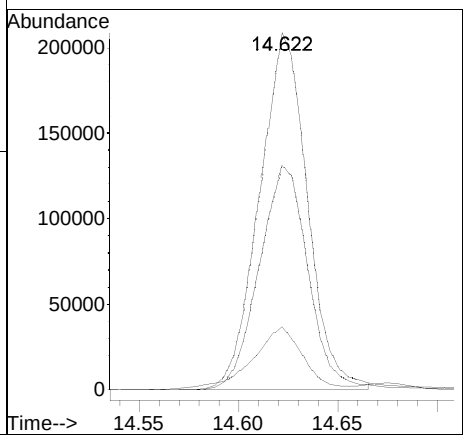


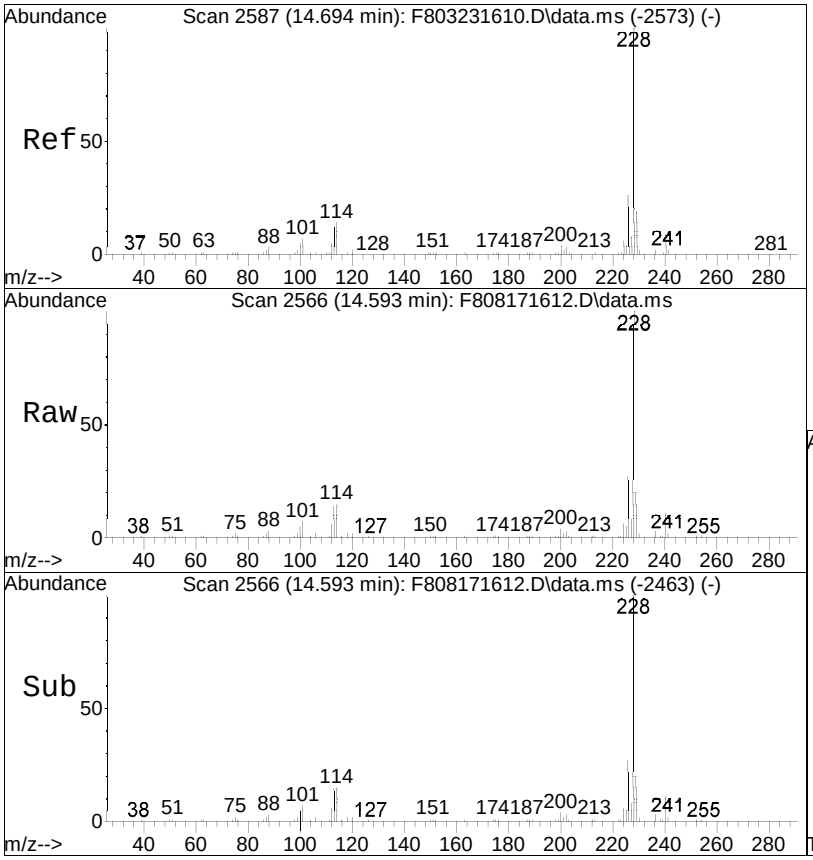


#81
3,3'-Dichlorobenzidine
Concen: 6.55 ug/mL
RT: 14.622 min Scan# 2572
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:252 Resp: 346725

Ion	Ratio	Lower	Upper
252	100		
254	64.3	52.0	78.0
126	18.9	13.6	20.4

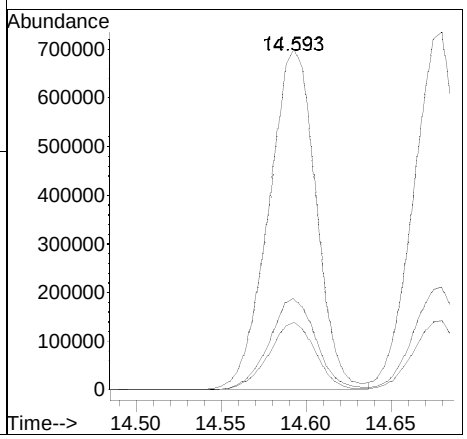


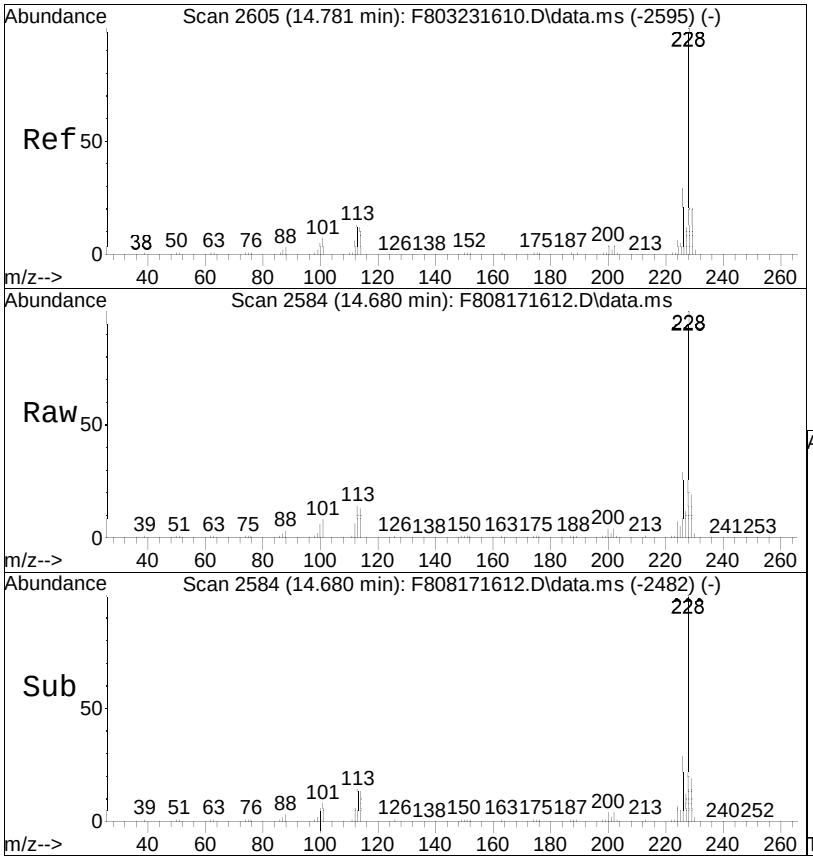


#82
Benz[a]anthracene
Concen: 9.49 ug/mL
RT: 14.593 min Scan# 2566
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:228 Resp: 1342869

Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.9	23.9
226	26.7	21.2	31.8

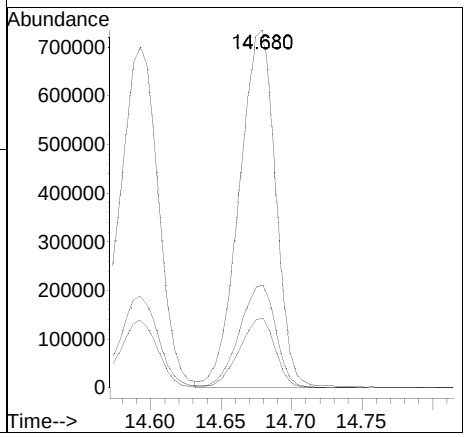


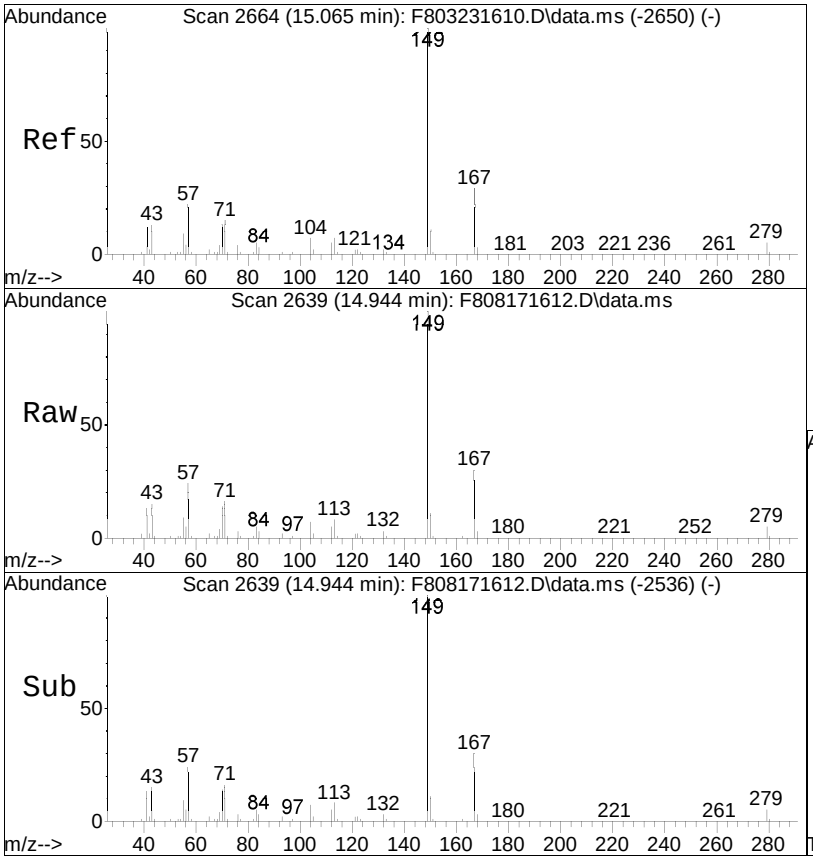


#83
Chrysene
Concen: 9.30 ug/mL M4
RT: 14.680 min Scan# 2584
Delta R.T. -0.010 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:228 Resp: 1323780

Ion	Ratio	Lower	Upper
228	100		
226	27.7	23.7	35.5
229	18.7	15.8	23.8

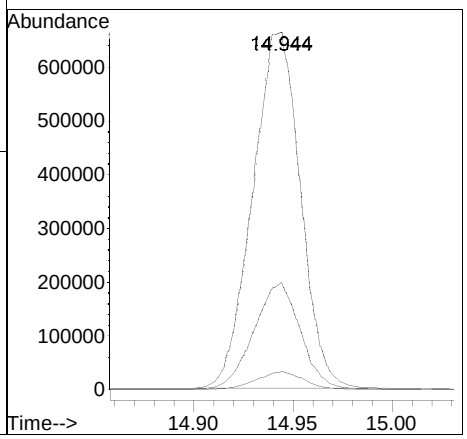


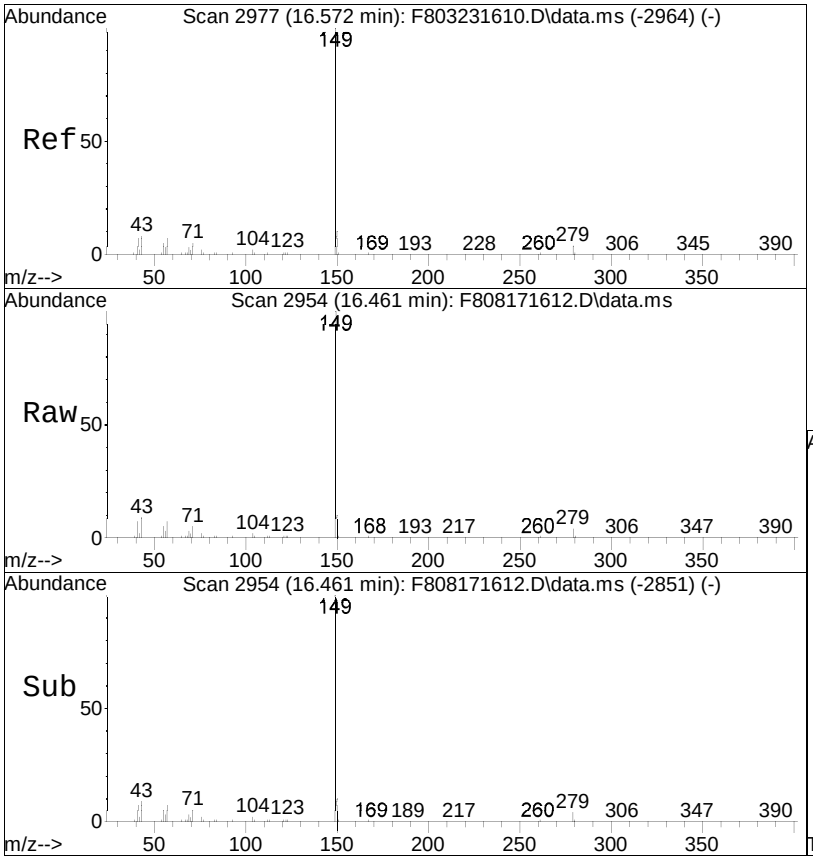


#84
bis(2-Ethylhexyl)phthalate
Concen: 9.84 ug/mL
RT: 14.944 min Scan# 2639
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:149 Resp: 1099861

Ion	Ratio	Lower	Upper
149	100		
167	29.0	23.8	35.6
279	4.8	4.0	6.0

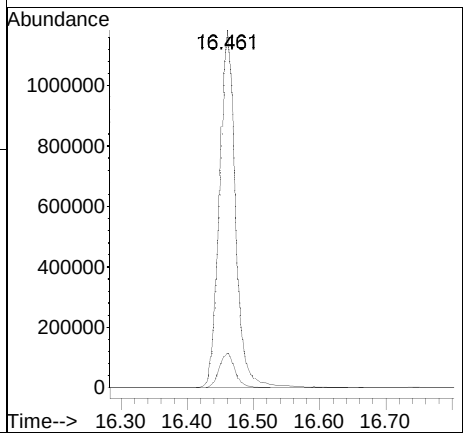


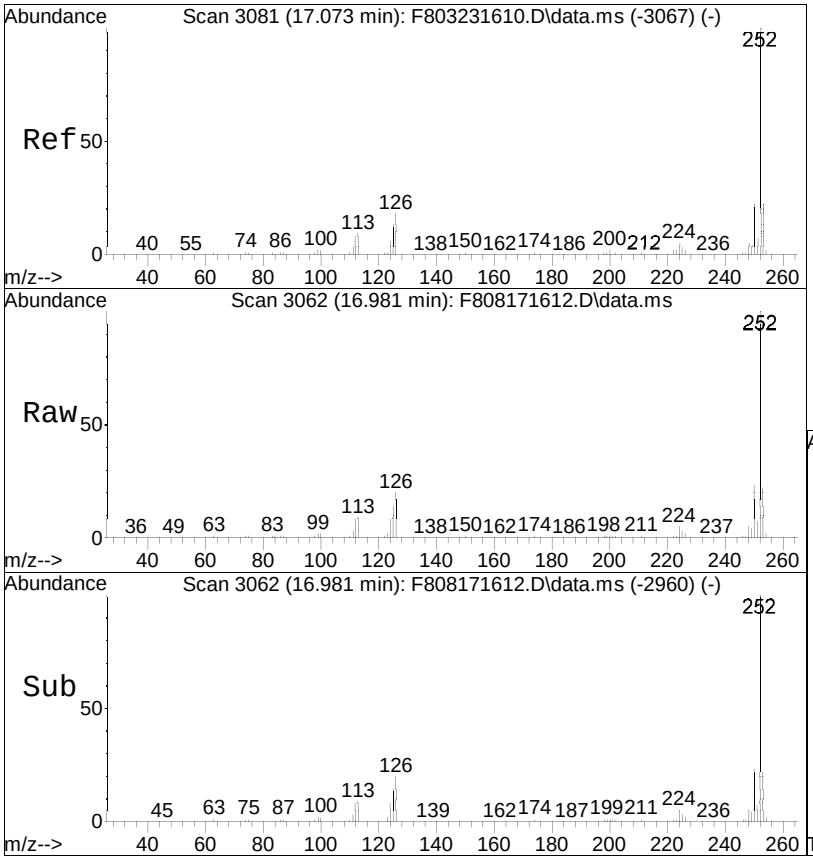


#86
Di-n-octylphthalate
Concen: 9.08 ug/mL
RT: 16.461 min Scan# 2954
Delta R.T. -0.005 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:149 Resp: 1948836

Ion	Ratio	Lower	Upper
149	100		
150	9.9	8.1	12.1

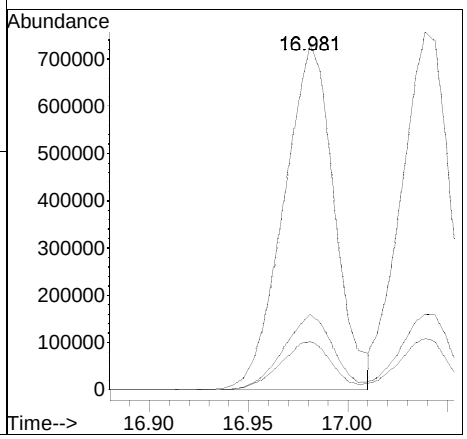


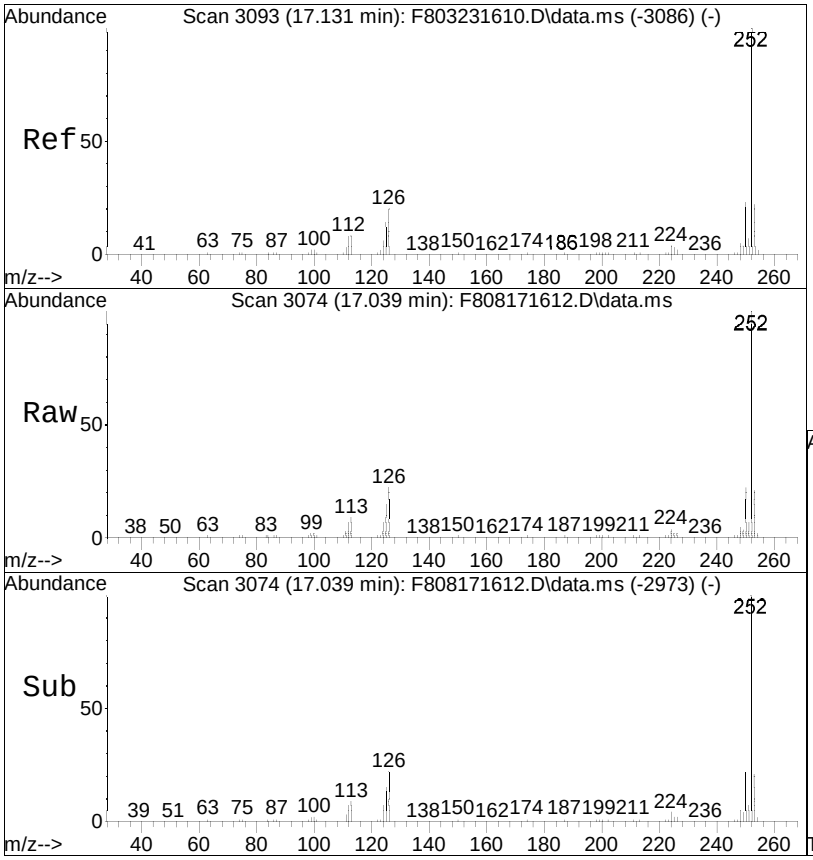


#87
Benzo[b]fluoranthene
Concen: 9.48 ug/mL
RT: 16.981 min Scan# 3062
Delta R.T. -0.010 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:252 Resp: 1293214

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	14.4	13.7	20.5

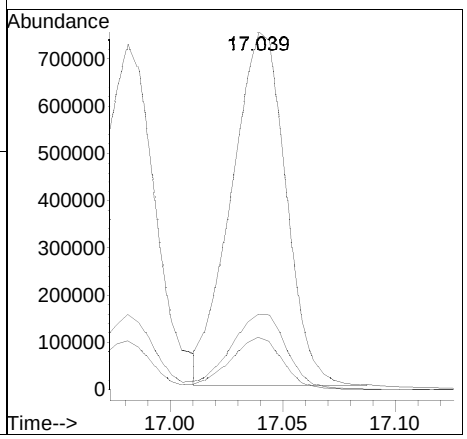


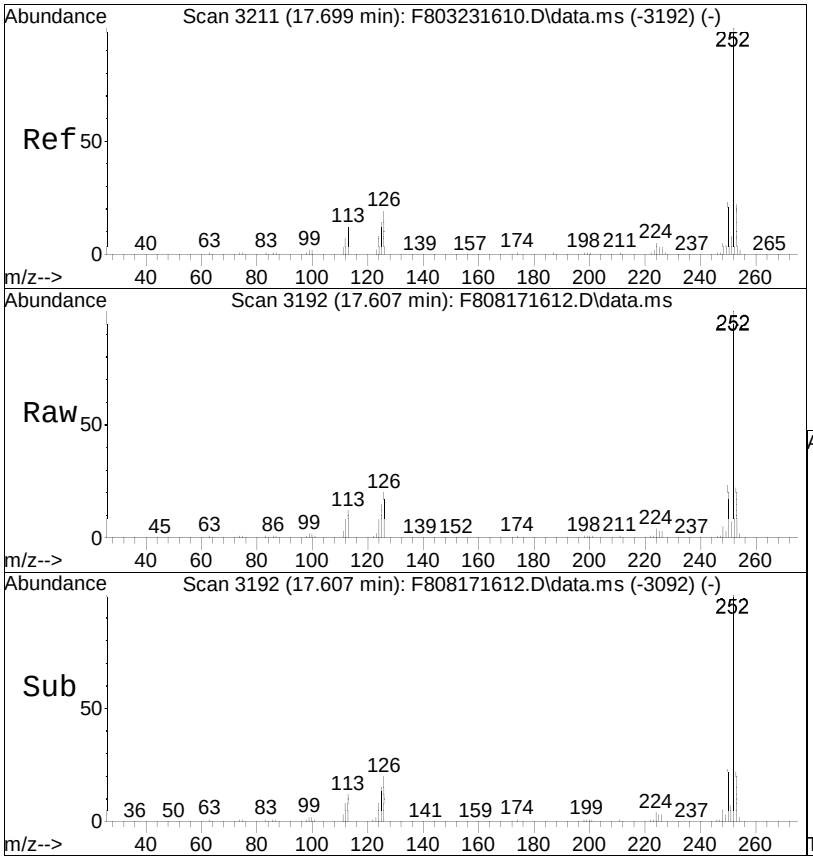


#88
Benzo[k]fluoranthene
Concen: 9.29 ug/mL M4
RT: 17.039 min Scan# 3074
Delta R.T. -0.014 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:252 Resp: 1259130

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.3	25.9
125	14.7	13.3	19.9

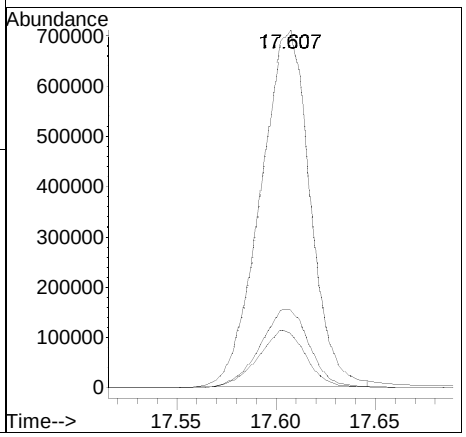


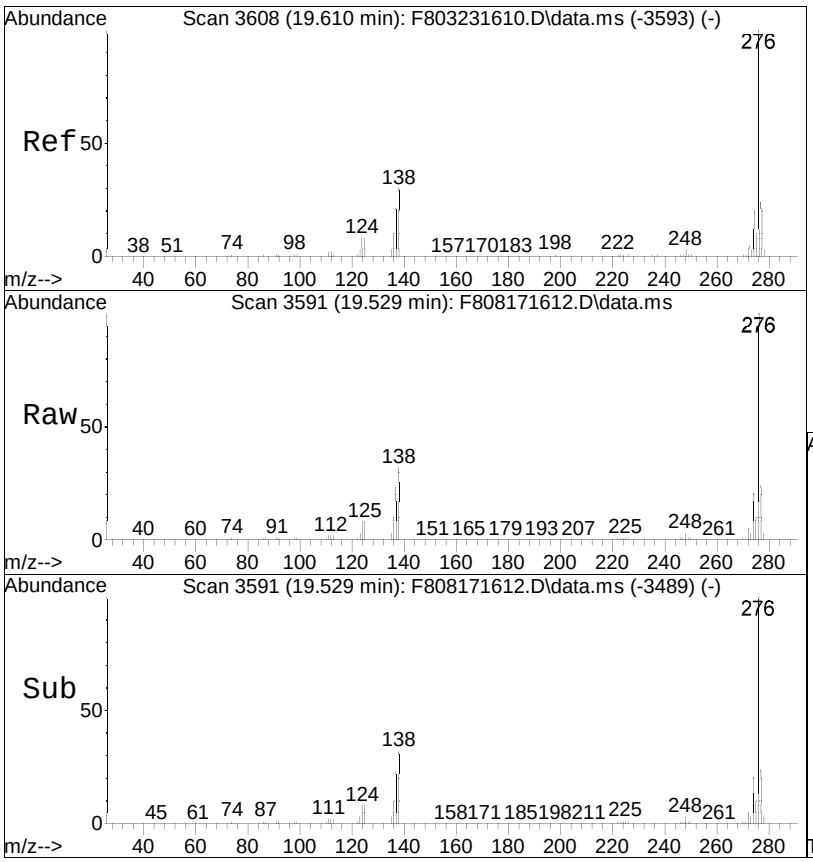


#89
Benzo[a]pyrene
Concen: 9.21 ug/mL
RT: 17.607 min Scan# 3192
Delta R.T. -0.019 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:252 Resp: 1222811

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.0
125	15.8	14.3	21.5

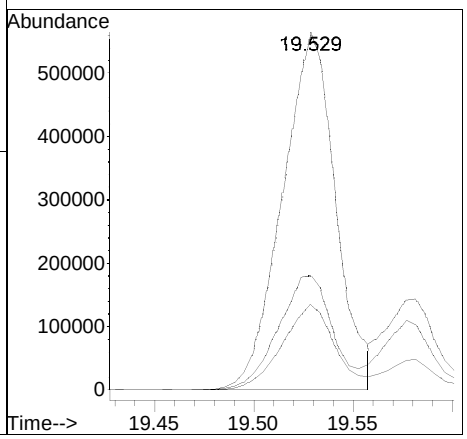


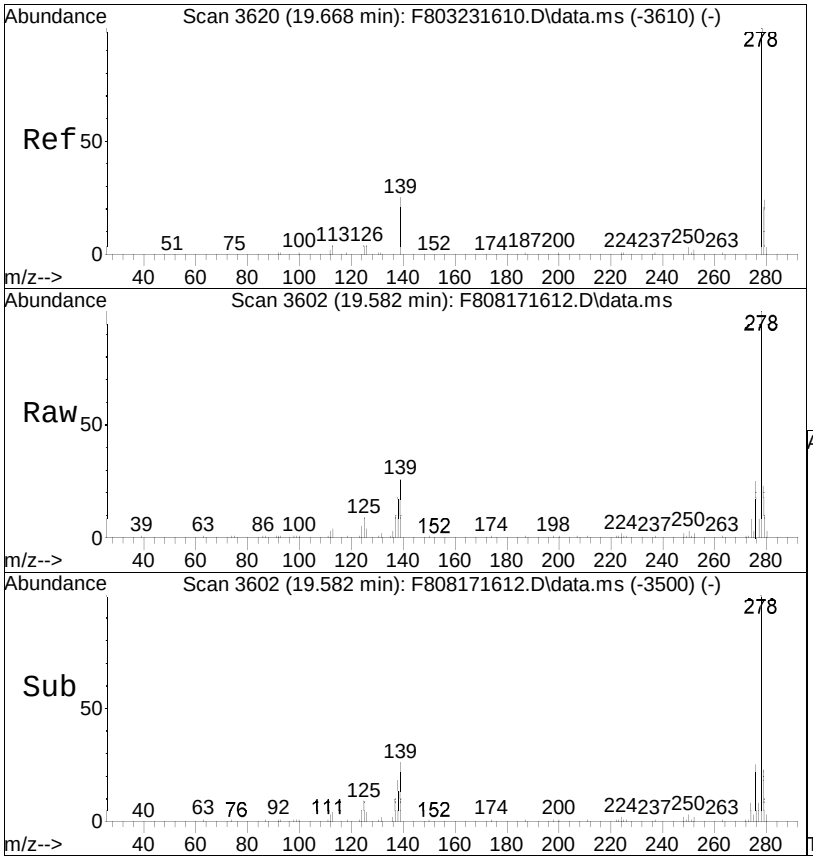


#90
Indeno[1,2,3-cd]pyrene
Concen: 9.65 ug/mL
RT: 19.529 min Scan# 3591
Delta R.T. -0.010 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:276 Resp: 1046215

Ion	Ratio	Lower	Upper
276	100		
138	33.8	28.2	42.2
277	23.8	19.4	29.0

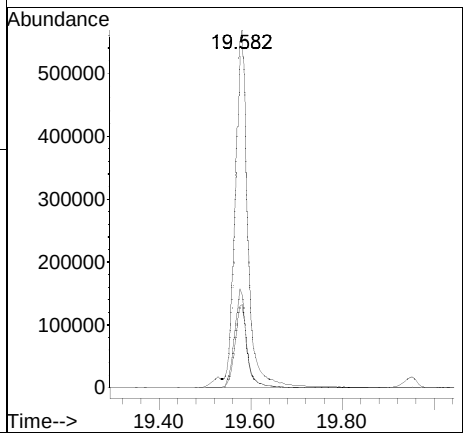


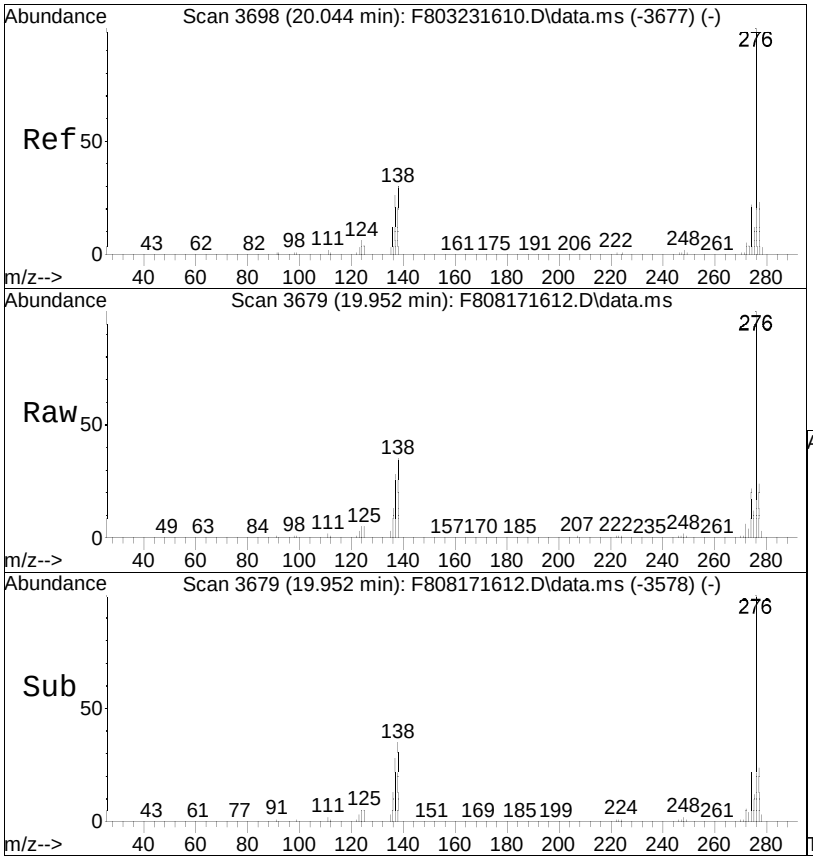


#91
Dibenz[a,h]anthracene
Concen: 9.98 ug/mL
RT: 19.582 min Scan# 3602
Delta R.T. -0.010 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:278 Resp: 1096494

Ion	Ratio	Lower	Upper
278	100		
139	25.7	23.4	35.0
279	22.7	19.4	29.0

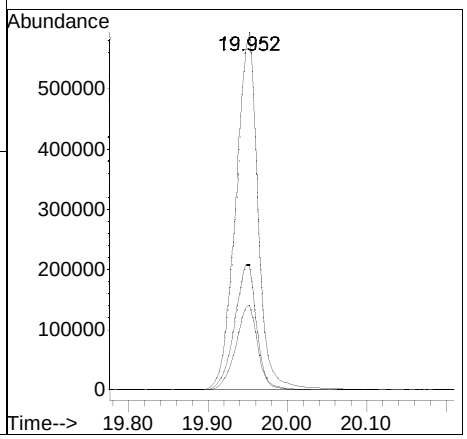




#92
Benzo[g,h,i]perylene
Concen: 9.36 ug/mL
RT: 19.952 min Scan# 3679
Delta R.T. -0.014 min
Lab File: F808171612.D
Acq: 17 Aug 2016 4:50 pm

Tgt Ion:276 Resp: 1141845

Ion	Ratio	Lower	Upper
276	100		
138	35.3	31.4	47.2
277	23.8	19.4	29.0



Sample Preparation

ORGANIC ELN REPORT

Workgroup: WG923180

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** DP875
Surrogate Type: 8270 **Lot #:** MSAJ94
Spike Type: 8270 **Lot #:** MSAJ73/MSAJ74/MSAJ75
Spike Verify by: SMB
Lims Spikelot: 8270SPK3

Additional Reagents/Stds

Glass Wool	11414001
H2SO4	OWA041416A
Na2SO4	0000131774
NaOH	OWB081616A

Conc.Method: Buchi
Solvent Type: DCM
Lot #: DP875

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction: Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Concentration: Conc Date	Analyst	Final Vol ml	Conc Unit
WG923180-1 BLANK	08/16/16 17:31	Daniel Robbins	1000	I=8, A<2, B>12	.25		08/16/16 21:29	Daniel Robbins	1	BUCHI 1&2MA NS
WG923180-2 LCS	08/16/16 17:31	Daniel Robbins	1000	I=8, A<2, B>12	.25	.1	08/16/16 21:29	Daniel Robbins	1	BUCHI 1&2MA NS
WG923180-3 LCSD	08/16/16 17:31	Daniel Robbins	1000	I=8, A<2, B>12	.25	.1	08/16/16 21:29	Daniel Robbins	1	BUCHI 1&2MA NS
WG923180-4 MS	08/16/16 17:31	Daniel Robbins	980	I=8, A<2, B>12	.25	.1	08/16/16 21:29	Daniel Robbins	1	BUCHI 1&2MA NS
WG923180-5 MSD	08/16/16 17:31	Daniel Robbins	980	I=8, A<2, B>12	.25	.1	08/16/16 21:29	Daniel Robbins	1	BUCHI 1&2MA NS
L1625236-01 WATER	08/16/16 17:31	Daniel Robbins	940	I=8, A<2, B>12	.25		08/16/16 21:29	Daniel Robbins	1	BUCHI 1&2MA NS

Reported: 19-AUG-16 12:11 PM

ORGANIC ELN REPORT

Workgroup: WG923180

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L1625236-02 WATER	08/16/16 17:31	Daniel Robbins	1000	I=8, A<2, B>12	.25		08/16/16 21:29	Daniel Robbins	1	BUCHI 1&2MA NS
L1625236-03 WATER	08/16/16 17:31	Daniel Robbins	1000	I=8, A<2, B>12	.25		08/16/16 21:29	Daniel Robbins	1	BUCHI 1&2MA NS
L1625236-04 WATER	08/16/16 17:31	Daniel Robbins	990	I=8, A<2, B>12	.25		08/16/16 21:29	Daniel Robbins	1	BUCHI 1&2MA NS
L1625236-05 WATER	08/16/16 17:31	Daniel Robbins	1000	I=8, A<2, B>12	.25		08/16/16 21:29	Daniel Robbins	1	BUCHI 1&2MA NS
L1625236-06 WATER	08/16/16 17:31	Daniel Robbins	970	I=8, A<2, B>12	.25		08/16/16 21:29	Daniel Robbins	1	BUCHI 1&2MA NS
L1625236-07 WATER	08/16/16 17:31	Daniel Robbins	980	I=8, A<2, B>12	.25		08/16/16 21:29	Daniel Robbins	1	BUCHI 1&2MA NS
L1625236-08 WATER	08/16/16 17:31	Daniel Robbins	1000	I=8, A<2, B>12	.25		08/16/16 21:29	Daniel Robbins	1	BUCHI 1&2MA NS
L1625236-09 WATER	08/16/16 17:31	Daniel Robbins	970	I=8, A<2, B>12	.25		08/16/16 21:29	Daniel Robbins	1	BUCHI 1&2MA NS
L1625236-10 WATER	08/16/16 17:31	Daniel Robbins	1000	I=8, A<2, B>12	.25		08/16/16 21:29	Daniel Robbins	1	BUCHI 1&2MA NS
L1625236-11 WATER	08/16/16 17:31	Daniel Robbins	950	I=8, A<2, B>12	.25		08/16/16 21:29	Daniel Robbins	1	BUCHI 1&2MA NS

Reported: 19-AUG-16 12:11 PM

GC/MS Extractable Analysis
Method 8270
Selective Ion Monitoring

Initial Calibration

Response Factor Report PAH 5

Method Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Method File : PAH0817PAH5.M
Title : PAH's by SIM
Last Update : Thu Aug 18 12:24:23 2016
Response Via : Initial Calibration

Calibration Files
10 =F508171604.D 20 =F508171605.D 100 =F508171606.D 200 =F508171607.D 500 =F508171608.D
1000=F508171609.D 2000=F508171610.D 5000=F508171611.D

		Compound	10	20	100	200	500	1000	2000	5000	Avg	%RSD
1)	i	Naphthalene-d8	ISTD									
2)	t	Naphthalene	1.085	1.014	1.028	1.196	0.994	0.998	1.007	1.109	1.054	6.74
3)	t	1,4-Dichlorobe...	0.528	0.480	0.487	0.578	0.490	0.499	0.490		0.508	6.82
4)	s	2-Methylnaphth...	0.593	0.556	0.577	0.655	0.546	0.548	0.559	0.607	0.580	6.40
5)	t	2-Methylnaphth...	0.608	0.576	0.657	0.687	0.579	0.579	0.646	0.711	0.630	8.35
6)	t	1-Methylnaphth...	0.689	0.642	0.652	0.772	0.640	0.645	0.641	0.704	0.673	6.95
7)	i	Acenaphthene-d10	ISTD									
8)	t	Dibenzothiophene	2.400	2.285	2.274	2.754	2.324	2.335	2.251		2.375	7.34
9)		2-Chloronaphth...	1.581	1.463	1.483	1.779	1.515	1.513	1.502		1.548	7.01
10)	t	Biphenyl	1.947	1.730	1.665	1.986	1.665	1.653	1.588		1.748	8.89
11)	t	2,6-Dimethylna...	1.215	1.166	1.173	1.387	1.182	1.168	1.157		1.207	6.76
12)	t	Acenaphthylene	2.294	2.146	2.170	2.614	2.218	2.238	2.190		2.267	7.07
13)	t	Acenaphthene	1.455	1.316	1.316	1.598	1.320	1.324	1.276		1.372	8.33
14)	t	Dibenzofuran	2.072	1.933	1.941	2.325	1.942	1.930	1.878		2.003	7.68
15)	t	Fluorene	1.579	1.488	1.503	1.817	1.514	1.519	1.470		1.556	7.73
16)	t	2,3,5-Trimethy...	1.114	1.044	1.029	1.255	1.046	1.057	1.032		1.082	7.49
17)	i	Phenanthrene-d10	ISTD									
18)	s	Fluoranthene-d10	1.028	0.942	0.906	1.123	0.927	0.950	0.891	0.955	0.965	7.85
19)	t	Phenanthrene	1.230	1.139	1.128	1.349	1.116	1.108	1.056		1.161	8.44
20)	t	Anthracene	1.159	1.070	1.061	1.302	1.086	1.086	1.037		1.114	8.17
21)	t	Carbazole	1.140	1.055	1.066	1.295	1.072	1.083	1.046		1.108	7.93
22)	t	1-Methylphenan...	0.840	0.772	0.791	0.950	0.800	0.810	0.782		0.821	7.45
23)	t	Fluoranthene	1.292	1.195	1.210	1.499	1.246	1.257	1.182		1.269	8.56
24)	i	Chrysene-d12	ISTD									
25)	s	Pyrene-d10	0.905	0.840	0.852	0.996	0.842	0.840	0.823	0.925	0.878	6.76
26)	t	Pyrene	1.393	1.323	1.313	1.578	1.332	1.325	1.247		1.359	7.76
27)	t	Benz[a]anthracene	1.389	1.236	1.138	1.368	1.157	1.184	1.118		1.227	8.97
28)	t	Chrysene	1.182	1.136	1.119	1.356	1.124	1.138	1.056		1.159	8.18

Response Factor Report PAH 5

Method Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Method File : PAH0817PAH5.M
Title : PAH's by SIM
Last Update : Thu Aug 18 12:24:23 2016
Response Via : Initial Calibration

Calibration Files
10 =F508171604.D 20 =F508171605.D 100 =F508171606.D 200 =F508171607.D 500 =F508171608.D
1000=F508171609.D 2000=F508171610.D 5000=F508171611.D

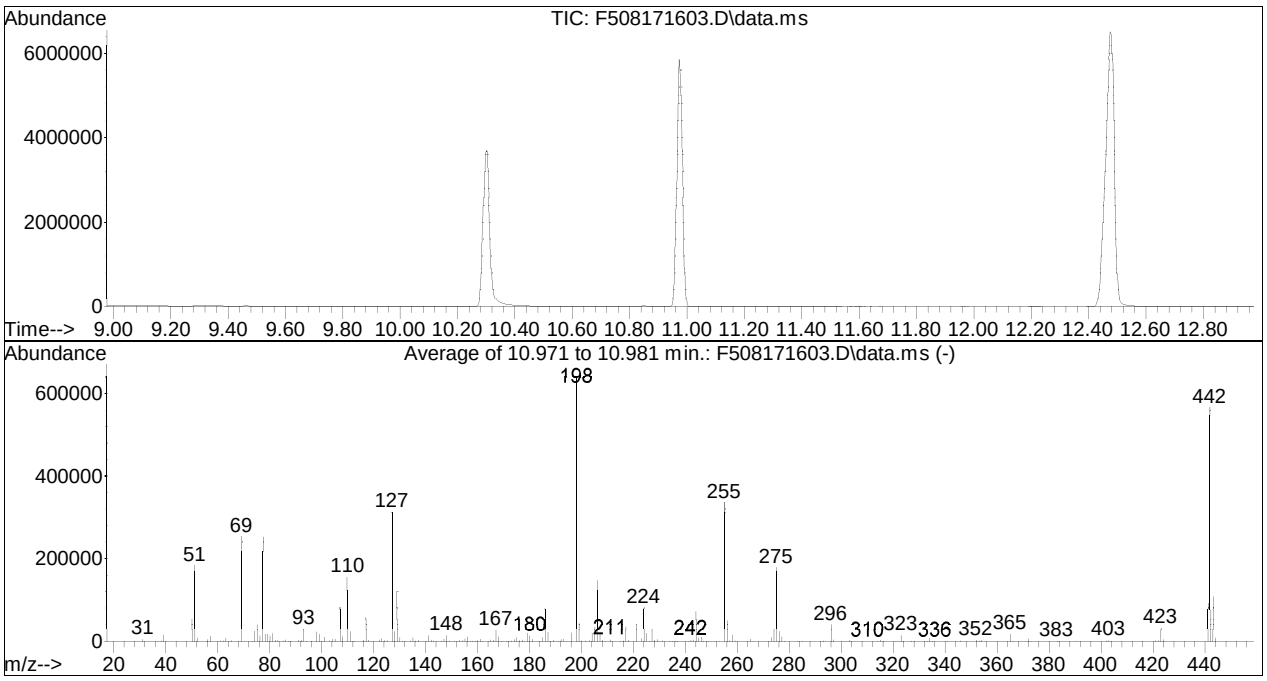
		Compound	10	20	100	200	500	1000	2000	5000	Avg	%RSD
29)	i	Perylene-d12	ISTD									
30)	s	Benzo(a)pyrene...	0.872	0.799	0.754	0.940	0.767	0.795	0.747	0.829	0.813	8.11
31)	s	Benzo[b]fluora...	0.924	0.853	0.844	0.993	0.827	0.840	0.815	0.898	0.874	6.91
32)	t	Benzo[b]fluora...	1.293	1.308	1.285	1.603	1.314	1.275	1.236		1.331	9.23
33)	t	Benzo[k]fluora...	1.215	1.038	1.028	1.264	1.073	1.146	1.010		1.111	8.93
34)	t	Benzo[e]pyrene	1.207	1.132	1.134	1.373	1.138	1.155	1.091		1.176	7.97
35)	t	Benzo[a]pyrene	1.215	1.130	1.052	1.383	1.156	1.183	1.039		1.165	9.92
36)	t	Perylene	1.240	1.152	1.217	1.455	1.200	1.215	1.138		1.231	8.55
37)	t	Indeno[1,2,3-c...	1.302	1.214	1.196	1.436	1.189	1.184	1.148		1.238	8.02
38)	t	Dibenz[a,h]ant...	1.285	1.167	1.175	1.421	1.172	1.209	1.142		1.224	8.00
39)	t	Benzo[g,h,i]pe...	1.336	1.242	1.202	1.457	1.212	1.235	1.174		1.266	7.80

(#) = Out of Range

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171603.D
Acq On : 17 Aug 2016 2:13 pm
Operator : PAH5:DP
Sample : T508171601
Misc : WG923960,MSAK38
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Title : PAH's by SIM
Last Update : Thu Aug 18 12:24:23 2016



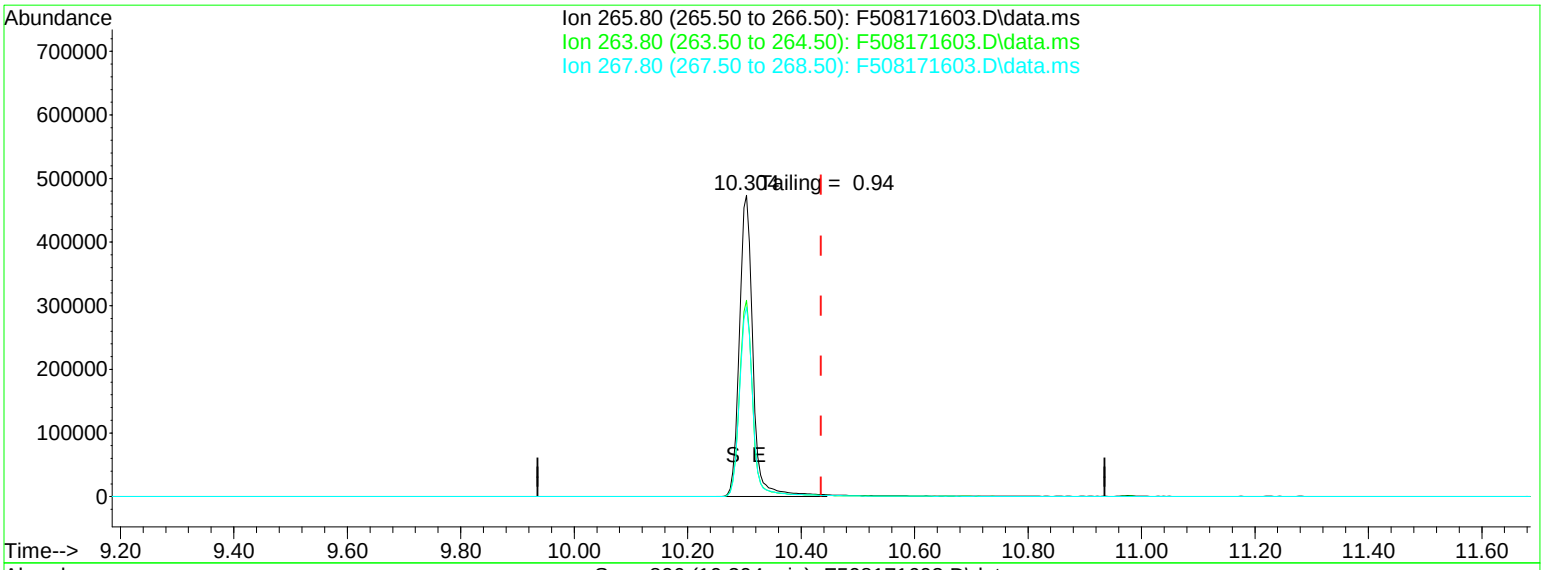
AutoFind: Scans 943, 944, 945; Background Corrected with Scan 934

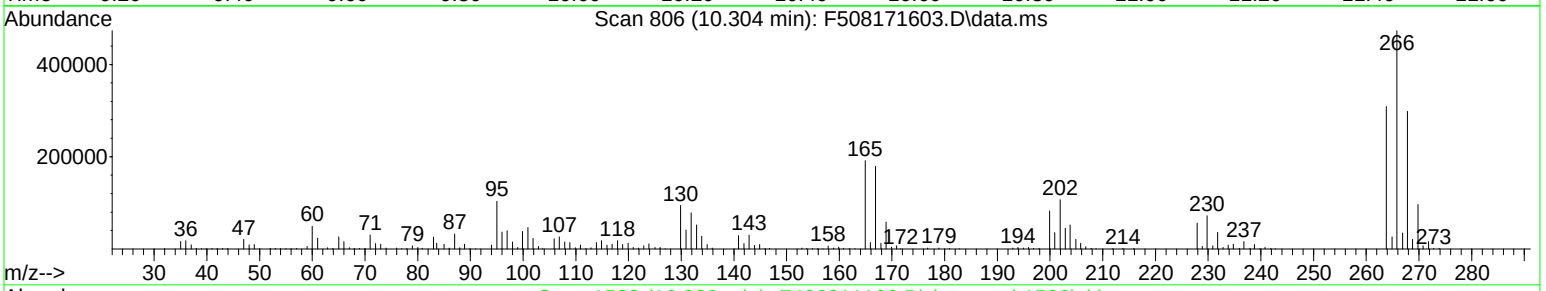
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	28.6	182400	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.6	1405	PASS
127	198	10	80	48.9	312384	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	638315	PASS
199	198	5	9	6.8	43635	PASS
275	198	10	60	27.9	178112	PASS
365	198	1	100	2.8	17615	PASS
441	442	0.01	24	16.5	93293	PASS
442	198	50	100	88.7	566123	PASS
443	442	15	24	19.1	107976	PASS

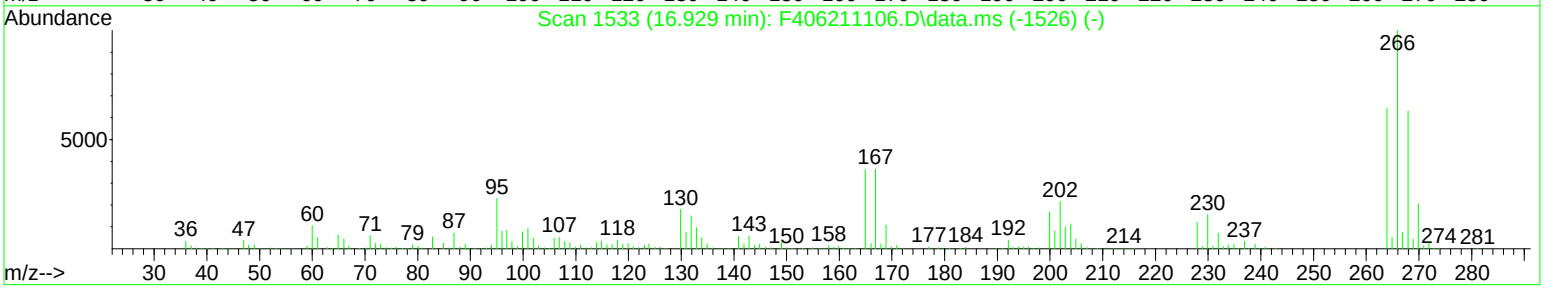
Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171603.D
Acq On : 17 Aug 2016 2:13 pm
Operator : PAH5:DP
Sample : T508171601
Misc : WG923960,MSAK38
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 18 16:37:16 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\DFTPPPAH5.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 08 09:57:46 2016
Response via : Initial Calibration







CHROMtools™ [T508171601]

(1) Pentachlorophenol (MC)

10.304min (-0.131) 14.91 ug/mL

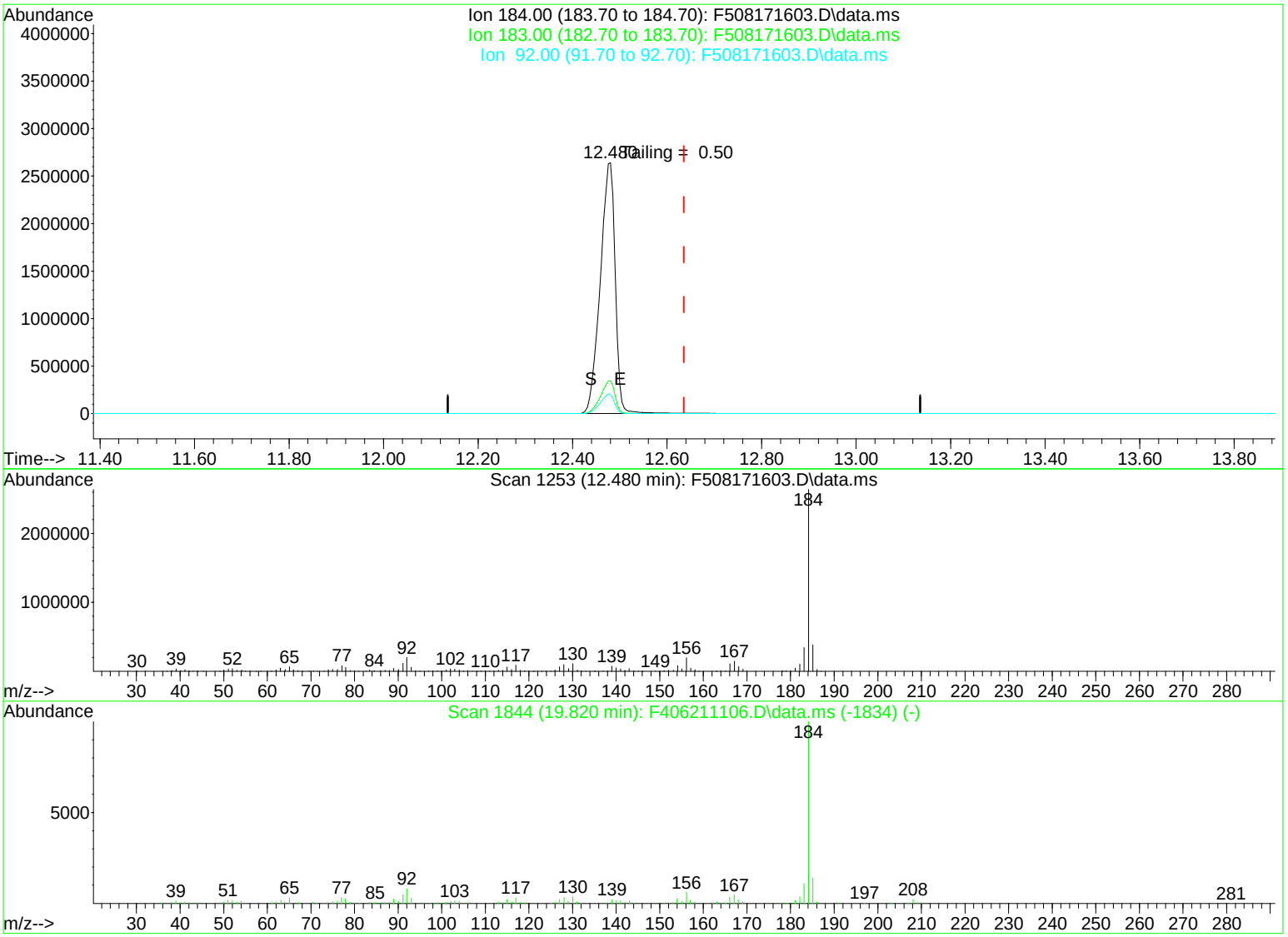
response 780157

Ion	Exp%	Act%
265.80	100	100
263.80	63.20	62.89
267.80	63.80	62.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171603.D
Acq On : 17 Aug 2016 2:13 pm
Operator : PAH5:DP
Sample : T508171601
Misc : WG923960,MSAK38
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 18 16:37:16 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\DFTPPPAH5.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 08 09:57:46 2016
Response via : Initial Calibration



CHROMtools™ [T508171601]

(3) Benzidine (T)

12.480min (-0.156) 71.24 ug/mL

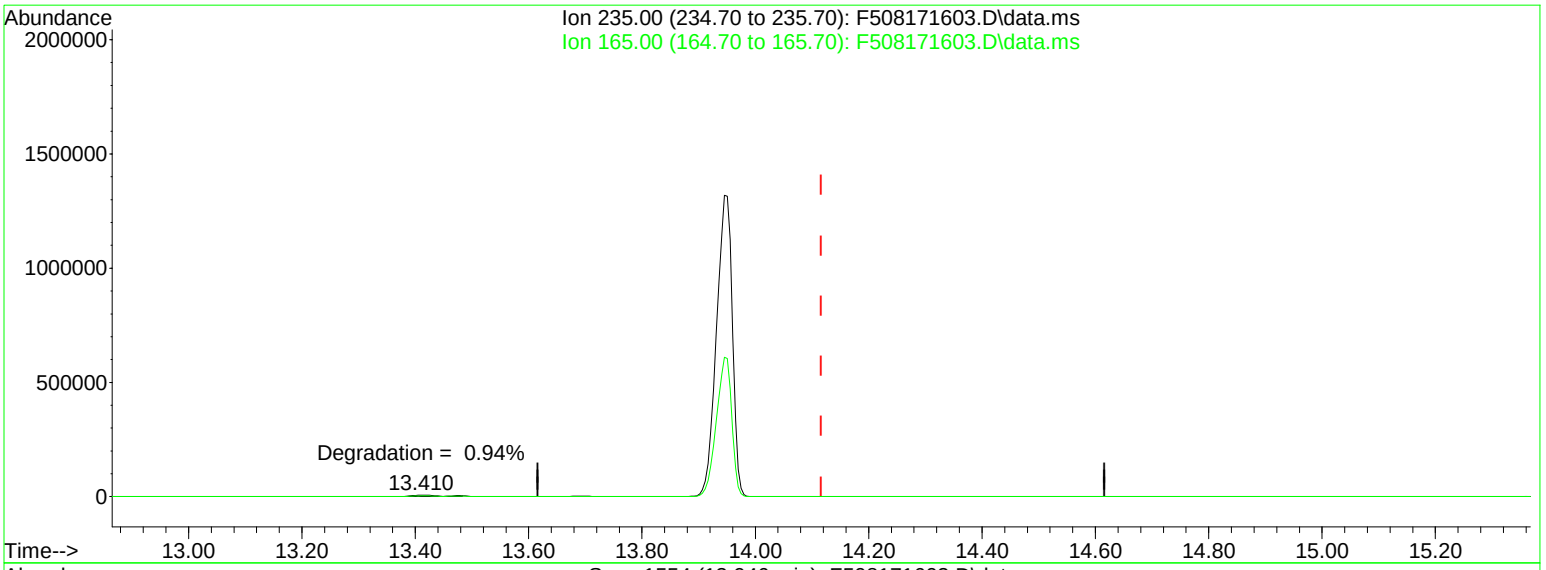
response 5796661 ~3 x >CAL (25)

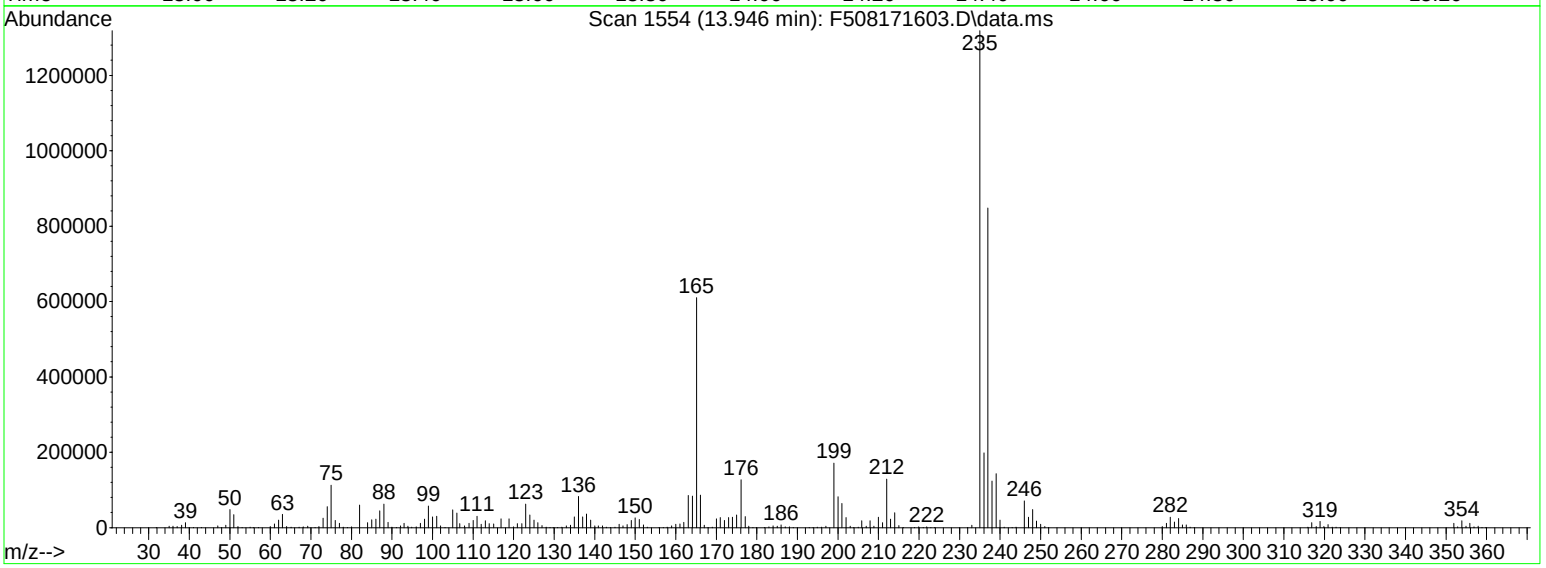
Ion	Exp%	Act%
184.00	100	100
183.00	12.50	12.76
92.00	9.00	7.48
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171603.D
Acq On : 17 Aug 2016 2:13 pm
Operator : PAH5:DP
Sample : T508171601
Misc : WG923960,MSAK38
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 18 16:37:16 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\DFTPPPAH5.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 08 09:57:46 2016
Response via : Initial Calibration





CHROMtools™ [T508171601]

(4) DDT ( )

13.946min (-0.170) 0.00

response 2562312

Ion	Exp%	Act%
235.00	100	100
165.00	48.90	44.86
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171604.D
Acq On : 17 Aug 2016 2:45 pm
Operator : PAH5:DP
Sample : I508171601
Misc : WG923960,MSAJ36
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 12:15:37 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 11:42:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.946	136	119954	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.682	164	59609	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.123	188	117803	500.000	ng/mL	0.00
24) Chrysene-d12	14.387	240	118512	500.000	ng/mL	0.00
29) Perylene-d12	16.809	264	120579	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.611	152	1423	10.941	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 0.22%#			
18) Fluoranthene-d10	12.375	212	2422M4	12.569	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 2.51%#			
25) Pyrene-d10	12.643	212	2145	11.123	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 0.22%#			
30) Benzo(a)pyrene-d12	16.675	264	2102	14.751	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 2.95%#			
31) Benzo[b]fluoranthene-d12	16.131	264	2229	12.654	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 0.25%#			
Target Compounds						Qvalue
2) Naphthalene	7.960	128	2604	10.885	ng/mL#	94
3) 1,4-Dichlorobenzene	6.693	146	1266	10.422	ng/mL	86
5) 2-Methylnaphthalene	8.647	142	1459	10.527	ng/mL	100
6) 1-Methylnaphthalene	8.753	142	1654	11.018	ng/mL	97
8) Dibenzothiophene	11.028	184	2861	11.515	ng/mL	98
9) 2-Chloronaphthalene	9.121	162	1885	11.079	ng/mL	97
10) Biphenyl	9.107	154	2321	11.975	ng/mL	98
11) 2,6-Dimethylnaphthalene	9.263	156	1449	11.000	ng/mL	98
12) Acenaphthylene	9.532	152	2735	12.551	ng/mL	98
13) Acenaphthene	9.713	153	1735	11.233	ng/mL	99
14) Dibenzofuran	9.871	168	2470	10.955	ng/mL	91
15) Fluorene	10.209	166	1882	11.359	ng/mL	99
16) 2,3,5-Trimethylnaphthalen	10.091	170	1328M4	11.357	ng/mL	
19) Phenanthrene	11.146	178	2899	10.954	ng/mL	97
20) Anthracene	11.185	178	2730	12.577	ng/mL	97
21) Carbazole	11.351	167	2685	12.324	ng/mL#	91
22) 1-Methylphenanthrene	11.768	192	1979	11.599	ng/mL	98
23) Fluoranthene	12.391	202	3043	11.593	ng/mL	98
26) Pyrene	12.659	202	3301	10.705	ng/mL	99
27) Benz[a]anthracene	14.355	228	3293	14.962	ng/mL	94

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171604.D
Acq On : 17 Aug 2016 2:45 pm
Operator : PAH5:DP
Sample : I508171601
Misc : WG923960,MSAJ36
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 12:15:37 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 11:42:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Chrysene	14.426	228	2801	10.285	ng/mL	94
32) Benzo[b]fluoranthene	16.170	252	3119	11.639	ng/mL#	79
33) Benzo[k]fluoranthene	16.210	252	2929	11.846	ng/mL#	76
34) Benzo[e]pyrene	16.628	252	2911	12.120	ng/mL#	70
35) Benzo[a]pyrene	16.715	252	2929	12.442	ng/mL#	73
36) Perylene	16.849	252	2990M4	10.274	ng/mL	
37) Indeno[1,2,3-cd]pyrene	18.687	276	3139M4	20.213	ng/mL	
38) Dibenz[a,h]anthracene	18.735	278	3099	14.319	ng/mL#	85
39) Benzo[g,h,i]perylene	19.200	276	3222	13.603	ng/mL	87

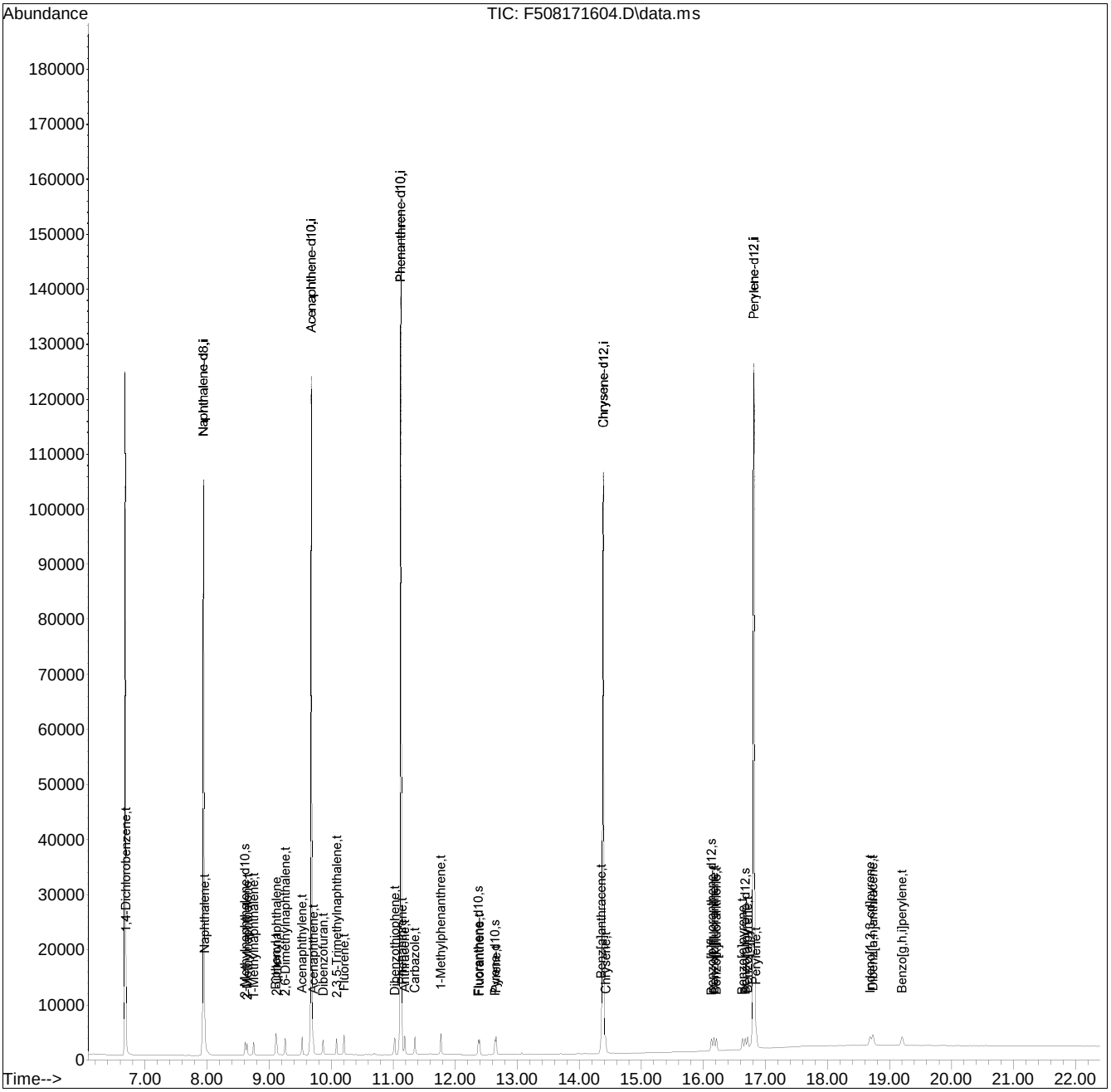
(#) = qualifier out of range (m) = manual integration (+) = signals summed

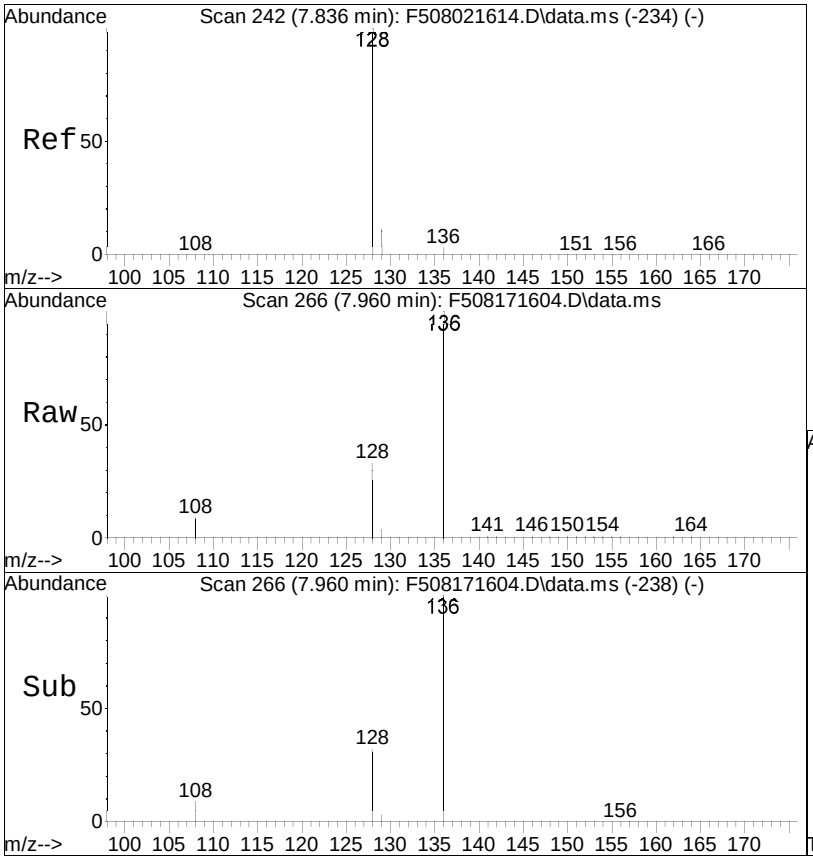
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171604.D
Acq On : 17 Aug 2016 2:45 pm
Operator : PAH5:DP
Sample : I508171601
Misc : WG923960,MSAJ36
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 12:15:37 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 11:42:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

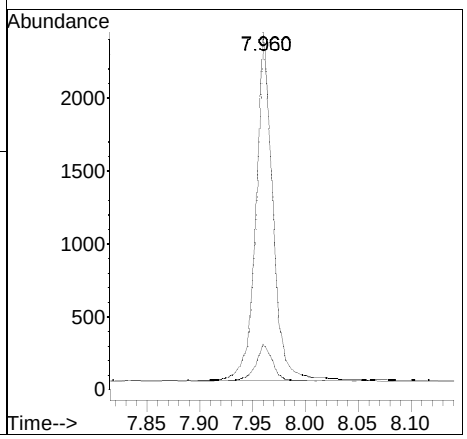


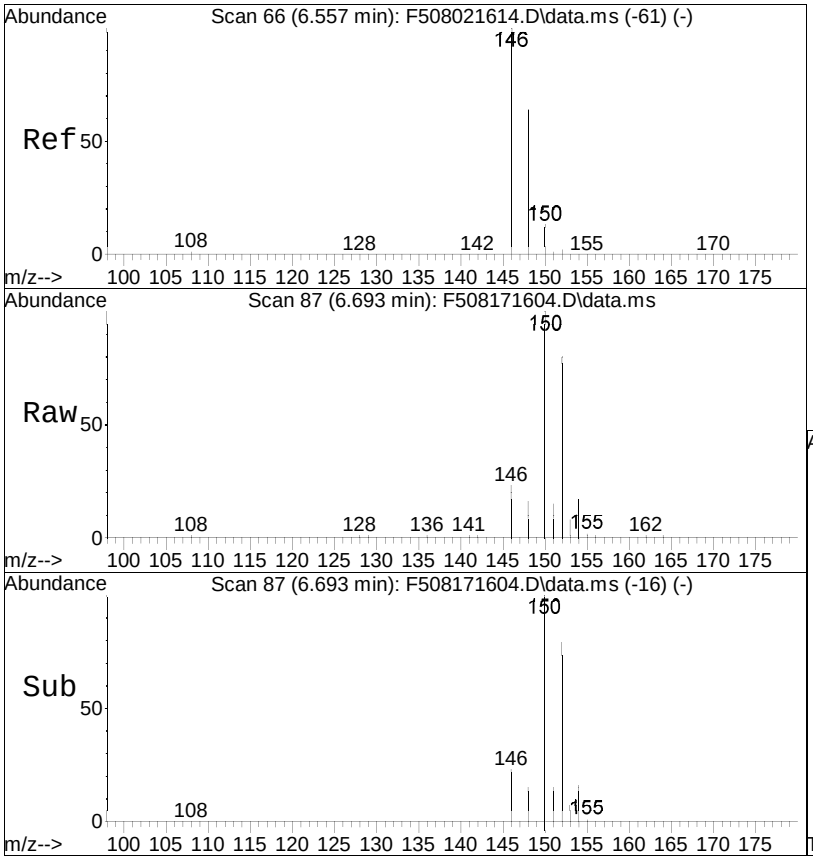


#2
Naphthalene
Concen: 10.88 ng/mL
RT: 7.960 min Scan# 266
Delta R.T. 0.000 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:128 Resp: 2604

Ion	Ratio	Lower	Upper
128	100		
129	13.0	8.6	13.0#

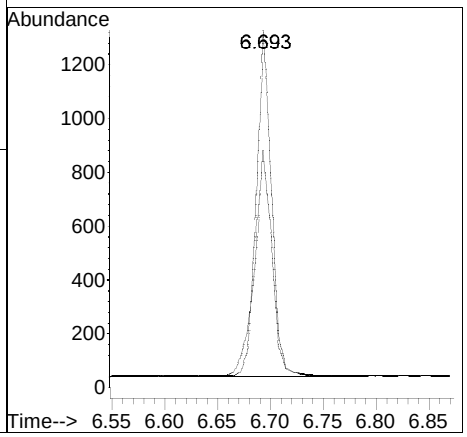


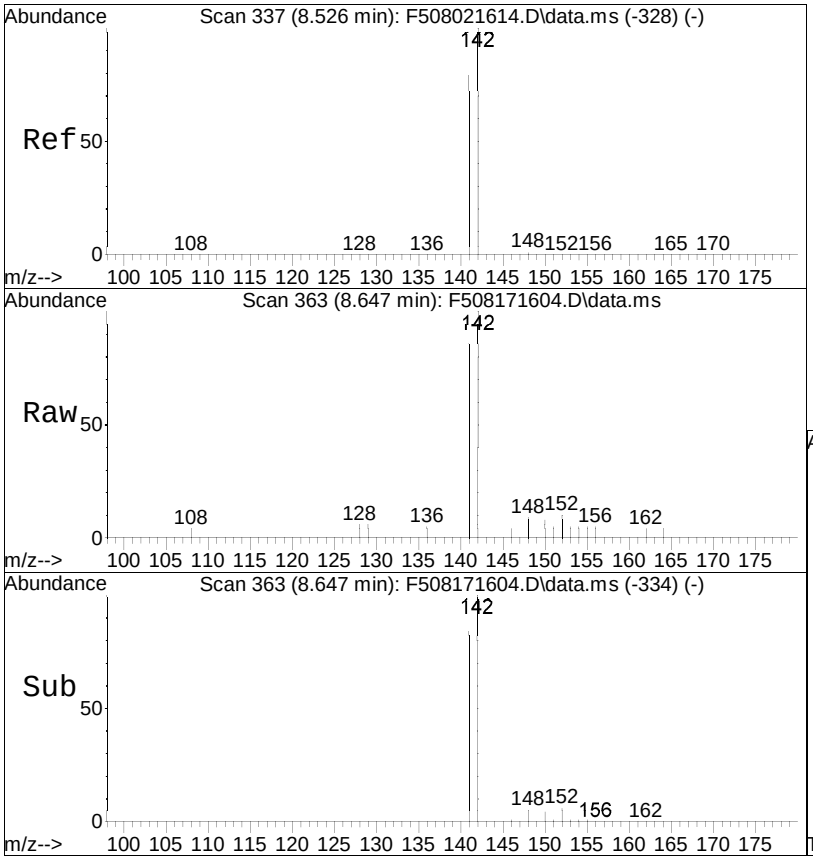


#3
1,4-Dichlorobenzene
Concen: 10.42 ng/mL
RT: 6.693 min Scan# 87
Delta R.T. 0.000 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:146 Resp: 1266

Ion	Ratio	Lower	Upper
146	100		
148	73.9	50.2	75.4

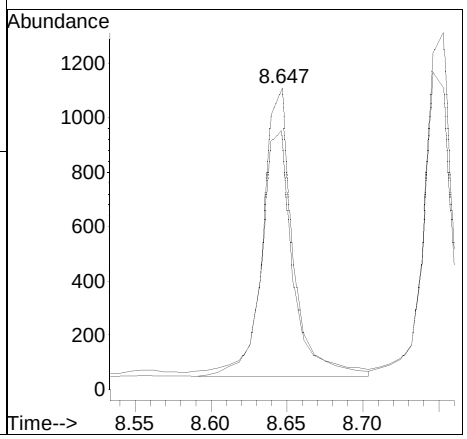


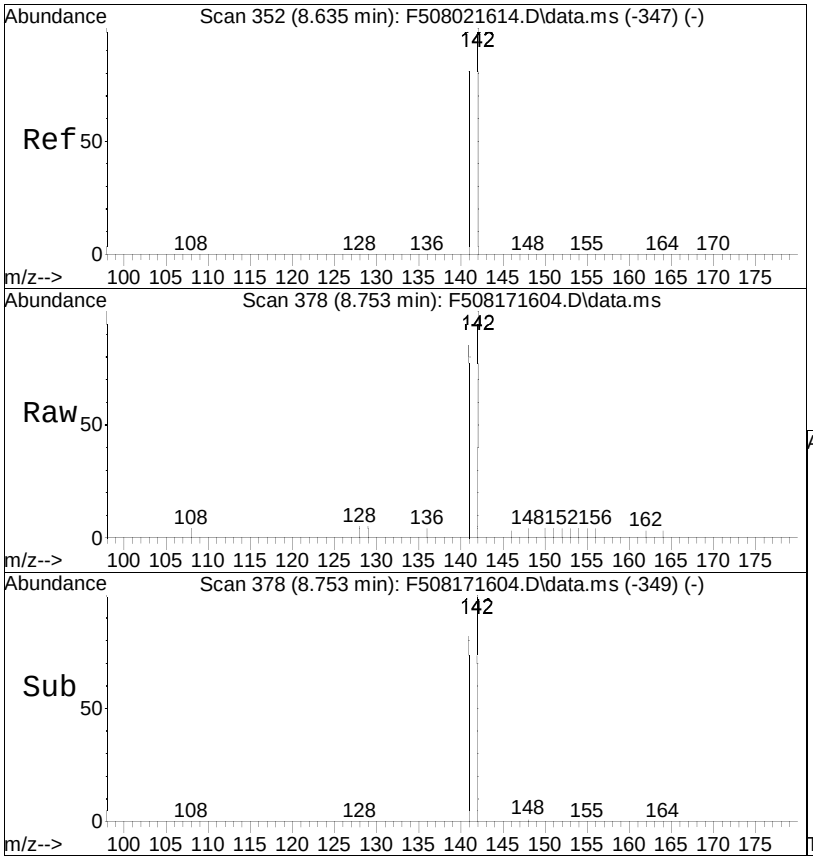


#5
2-Methylnaphthalene
Concen: 10.53 ng/mL
RT: 8.647 min Scan# 363
Delta R.T. 0.007 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:142 Resp: 1459

Ion	Ratio	Lower	Upper
142	100		
141	85.7	68.5	102.7

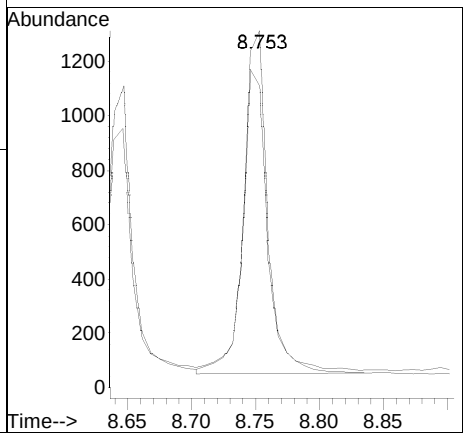


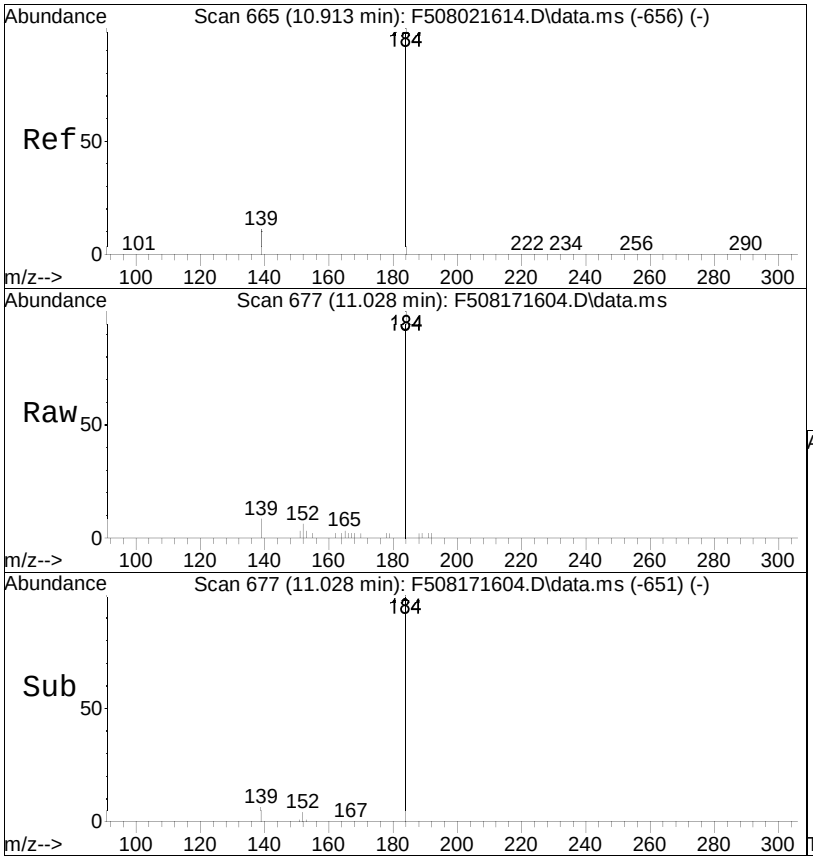


#6
1-Methylnaphthalene
Concen: 11.02 ng/mL
RT: 8.753 min Scan# 378
Delta R.T. 0.007 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:142 Resp: 1654

Ion	Ratio	Lower	Upper
142	100		
141	84.5	69.9	104.9

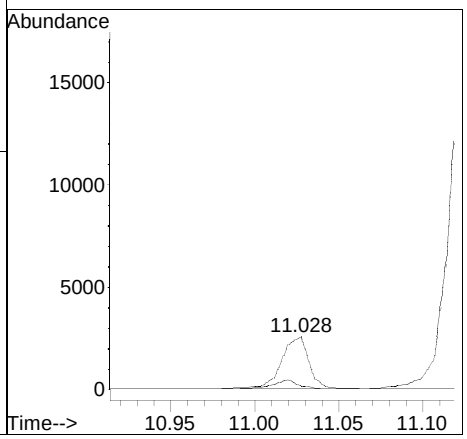


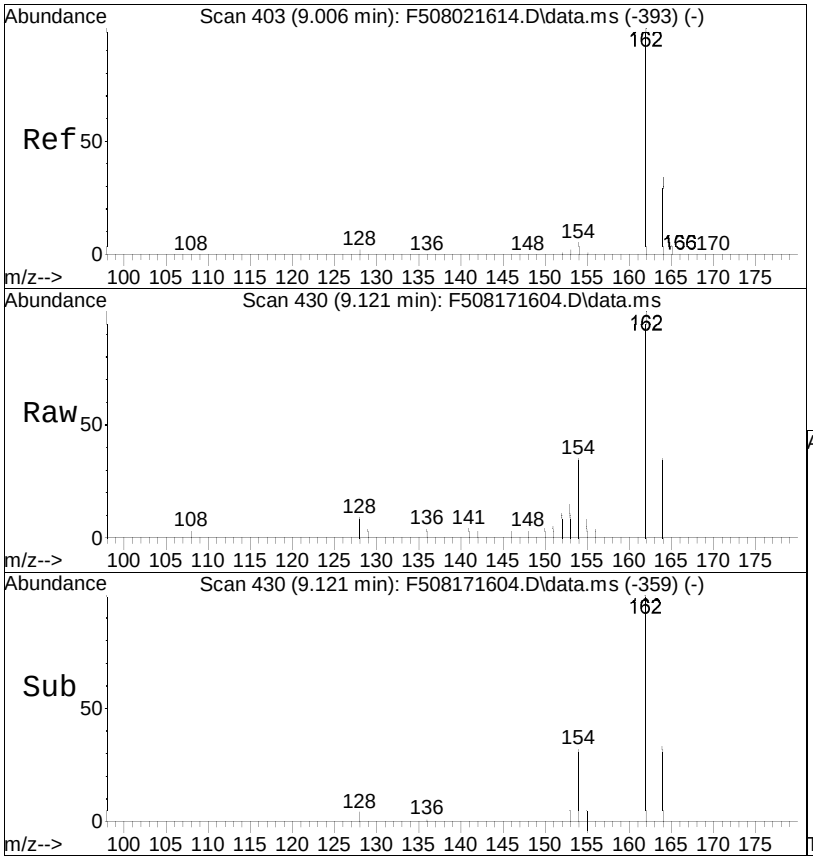


#8
Dibenzothiophene
Concen: 11.52 ng/mL
RT: 11.028 min Scan# 677
Delta R.T. 0.000 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:184 Resp: 2861

Ion	Ratio	Lower	Upper
184	100		
139	7.6	5.5	8.3

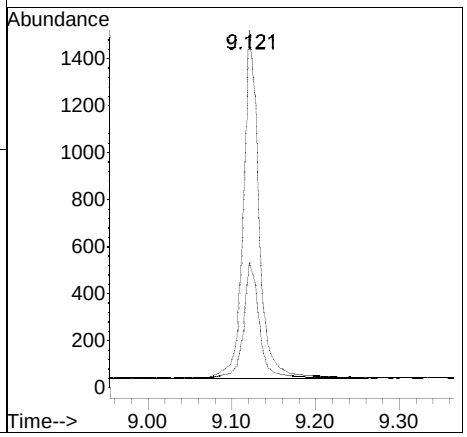


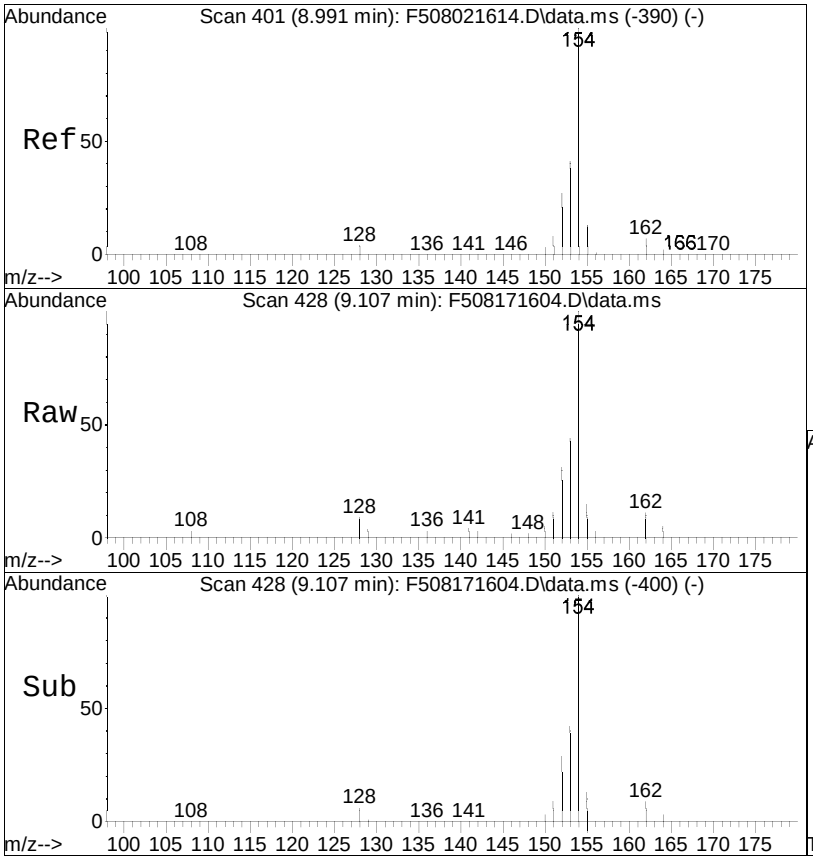


#9
2-Chloronaphthalene
Concen: 11.08 ng/mL
RT: 9.121 min Scan# 430
Delta R.T. 0.000 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:162 Resp: 1885

Ion	Ratio	Lower	Upper
162	100		
164	33.7	25.5	38.3

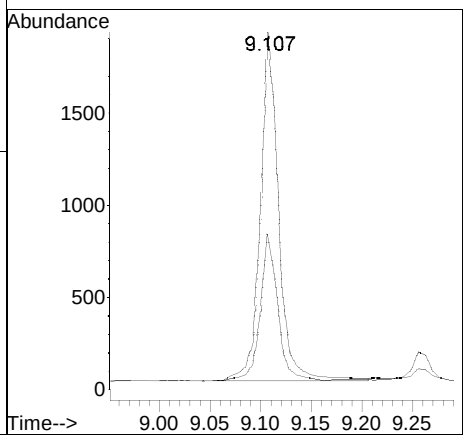


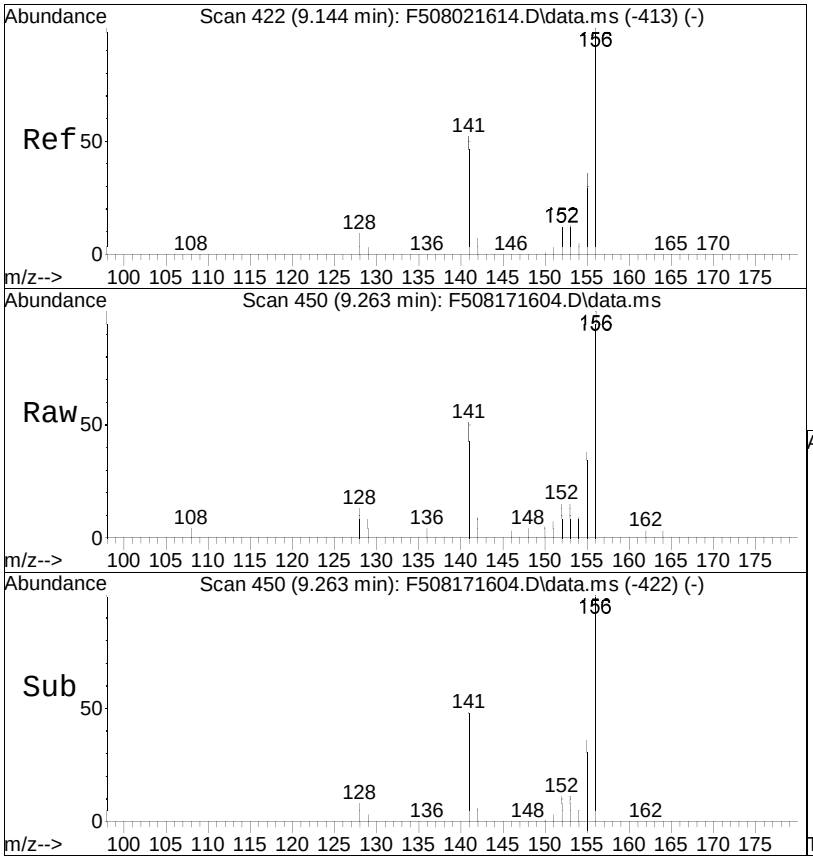


#10
Biphenyl
Concen: 11.98 ng/mL
RT: 9.107 min Scan# 428
Delta R.T. 0.000 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:154 Resp: 2321

Ion	Ratio	Lower	Upper
154	100		
153	43.8	33.8	50.6

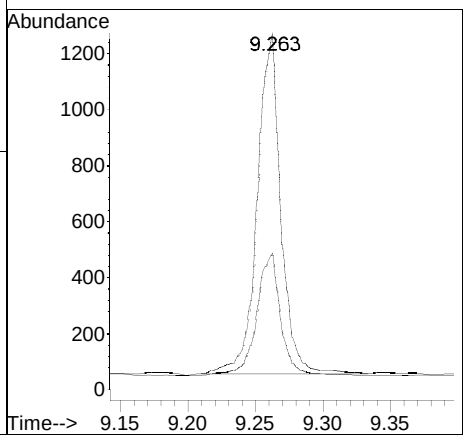


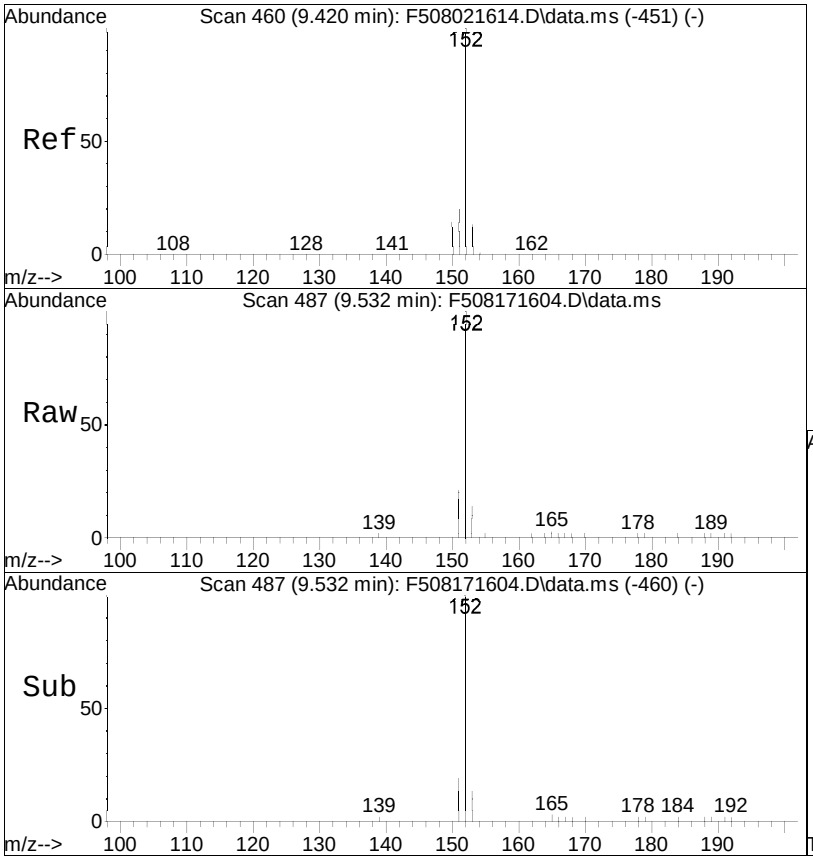


#11
2,6-Dimethylnaphthalene
Concen: 11.00 ng/mL
RT: 9.263 min Scan# 450
Delta R.T. 0.000 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:156 Resp: 1449

Ion	Ratio	Lower	Upper
156	100		
155	38.4	29.8	44.6

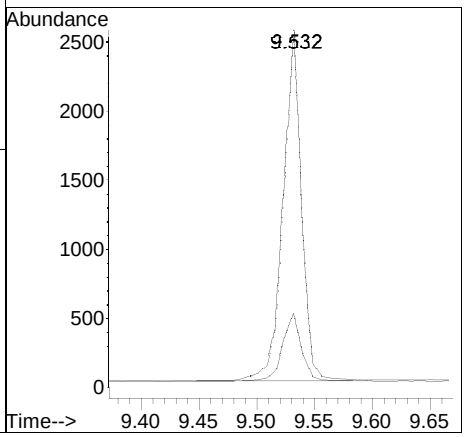


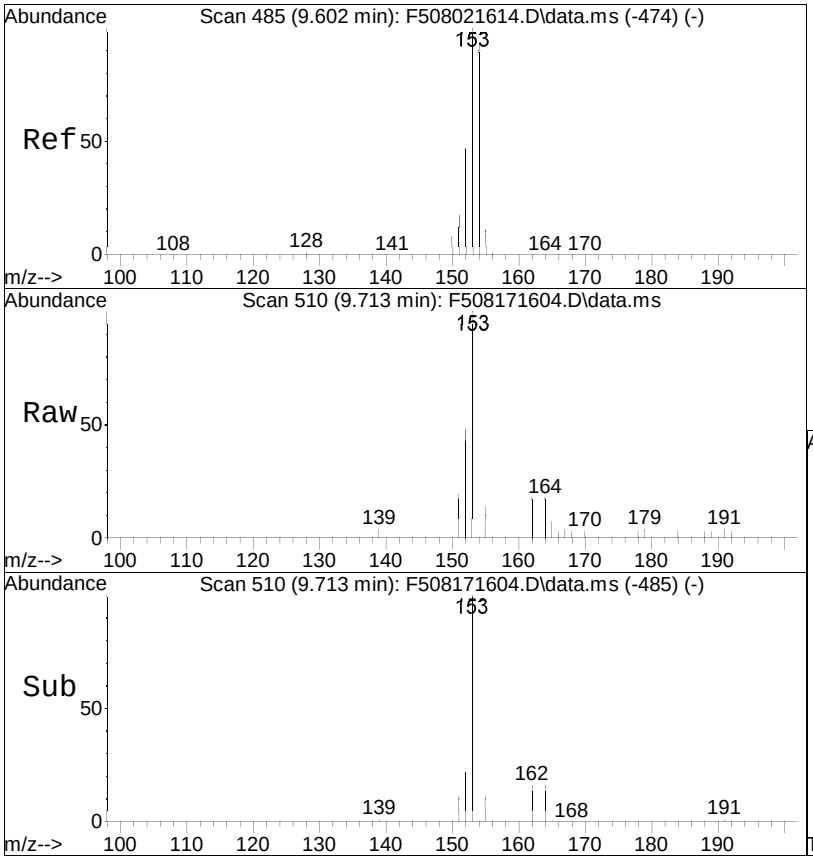


#12
Acenaphthylene
Concen: 12.55 ng/mL
RT: 9.532 min Scan# 487
Delta R.T. 0.000 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:152 Resp: 2735

Ion	Ratio	Lower	Upper
152	100		
151	21.0	15.9	23.9

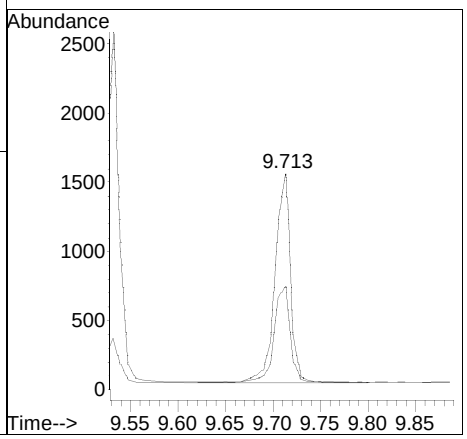


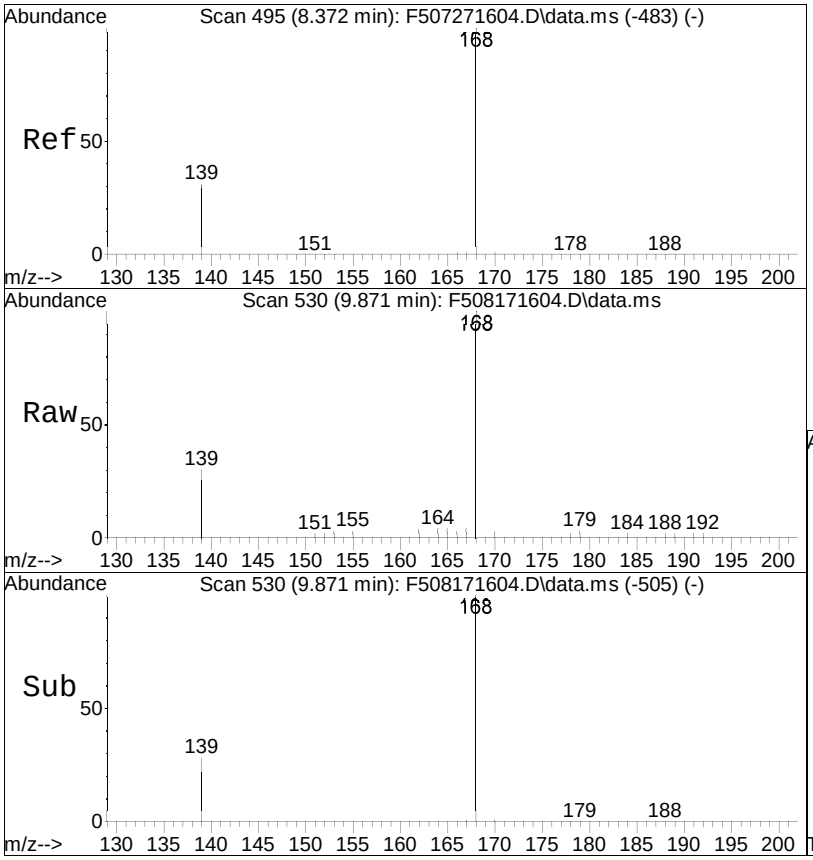


#13
Acenaphthene
Concen: 11.23 ng/mL
RT: 9.713 min Scan# 510
Delta R.T. 0.000 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:153 Resp: 1735

Ion	Ratio	Lower	Upper
153	100		
152	48.1	38.0	57.0

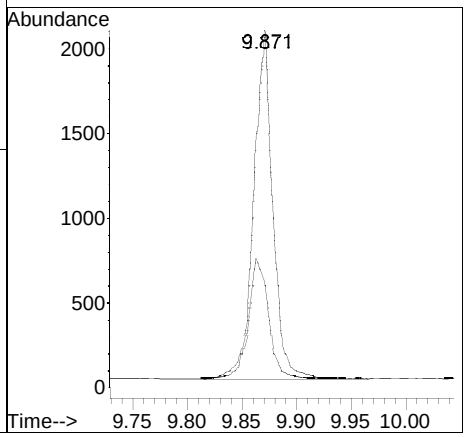


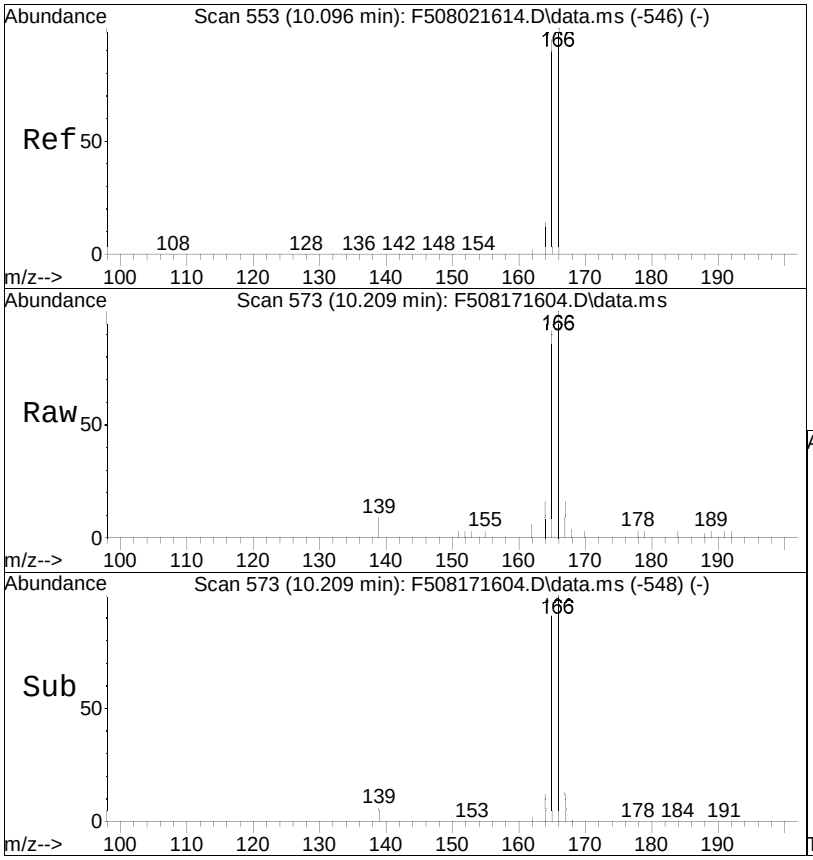


#14
Dibenzofuran
Concen: 10.95 ng/mL
RT: 9.871 min Scan# 530
Delta R.T. 0.000 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:168 Resp: 2470

Ion	Ratio	Lower	Upper
168	100		
139	29.8	27.8	41.8

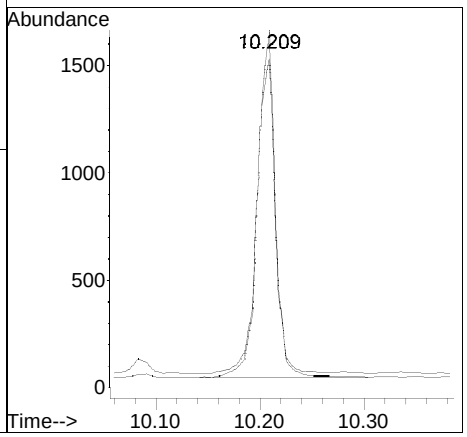


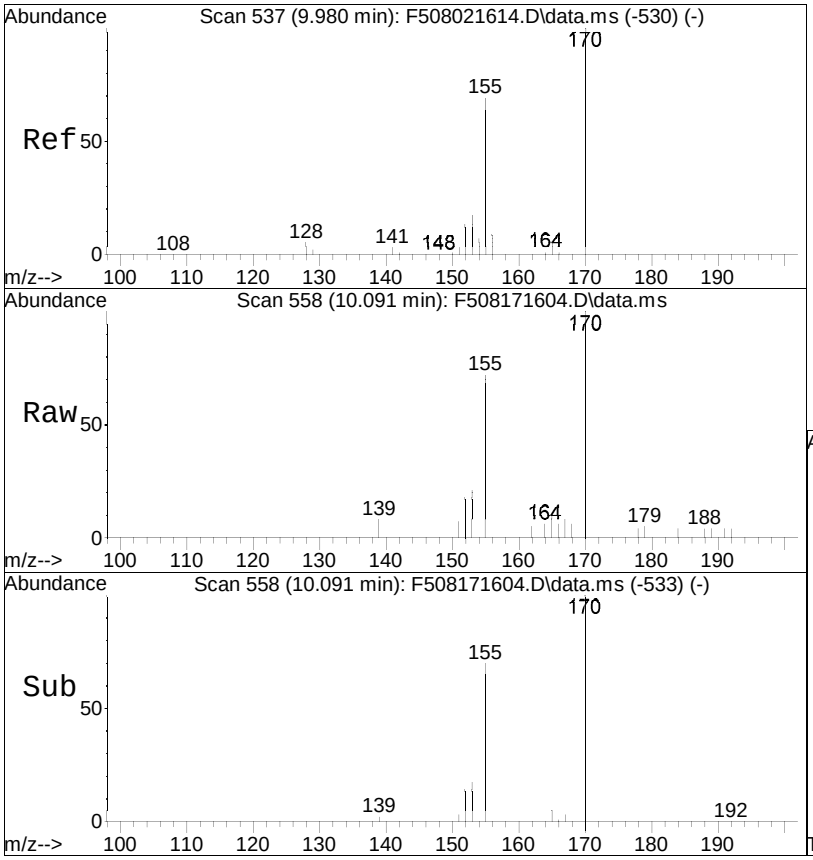


#15
Fluorene
Concen: 11.36 ng/mL
RT: 10.209 min Scan# 573
Delta R.T. 0.000 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:166 Resp: 1882

Ion	Ratio	Lower	Upper
166	100		
165	92.2	72.8	109.2

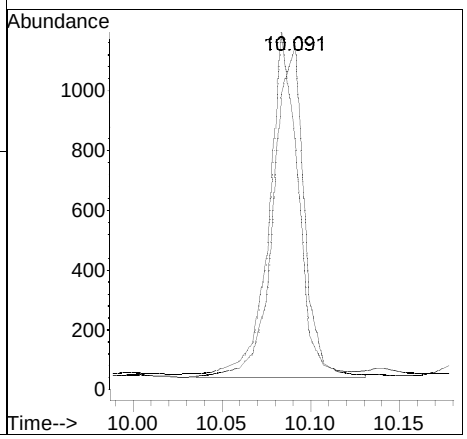


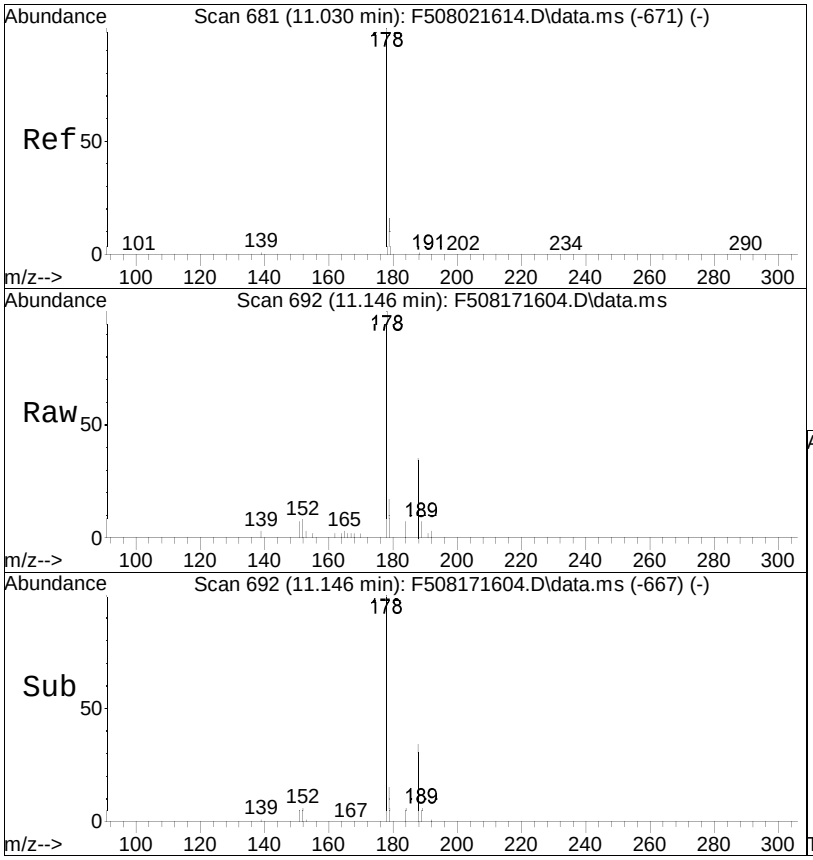


#16
2,3,5-Trimethylnaphthalene
Concen: 11.36 ng/mL M4
RT: 10.091 min Scan# 558
Delta R.T. 0.000 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:170 Resp: 1328

Ion	Ratio	Lower	Upper
170	100		
155	72.1	83.2	124.8#

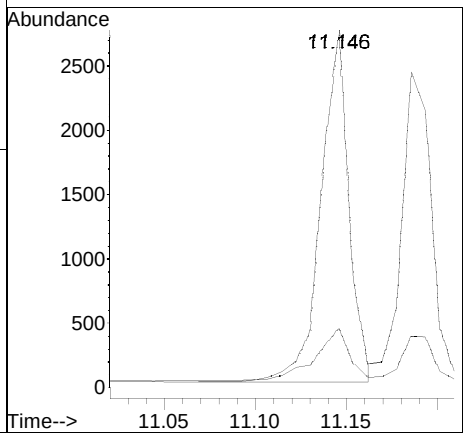


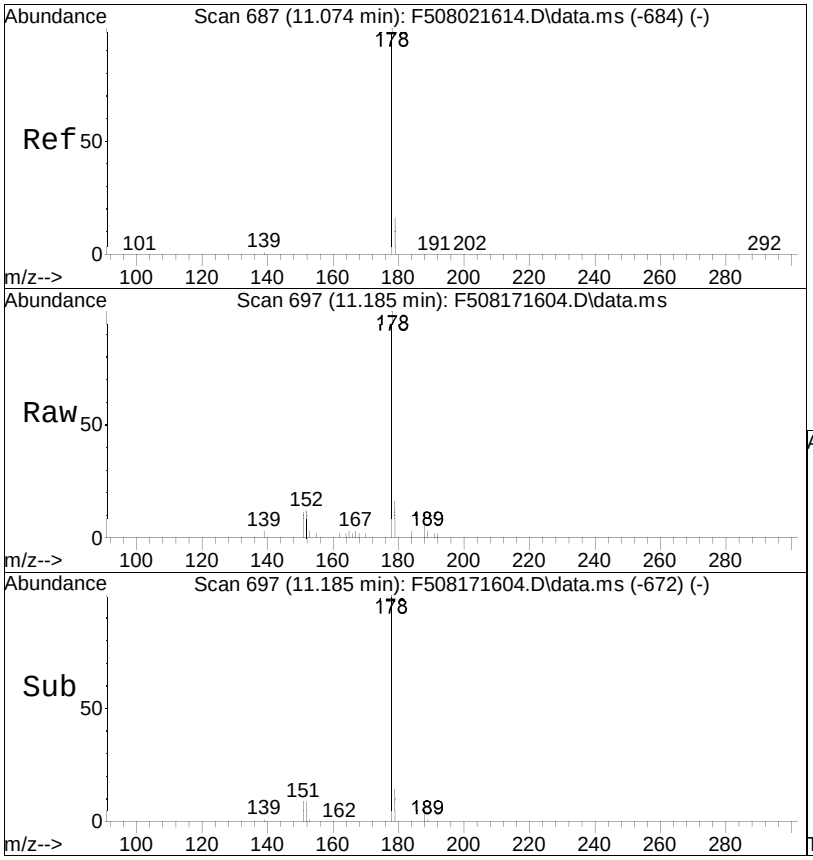


#19
Phenanthrene
Concen: 10.95 ng/mL
RT: 11.146 min Scan# 692
Delta R.T. 0.000 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:178 Resp: 2899

Ion	Ratio	Lower	Upper
178	100		
179	16.7	12.3	18.5

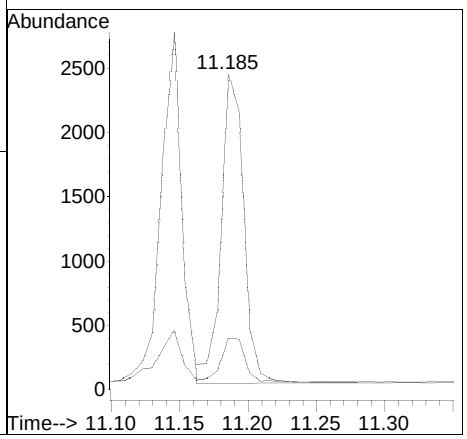


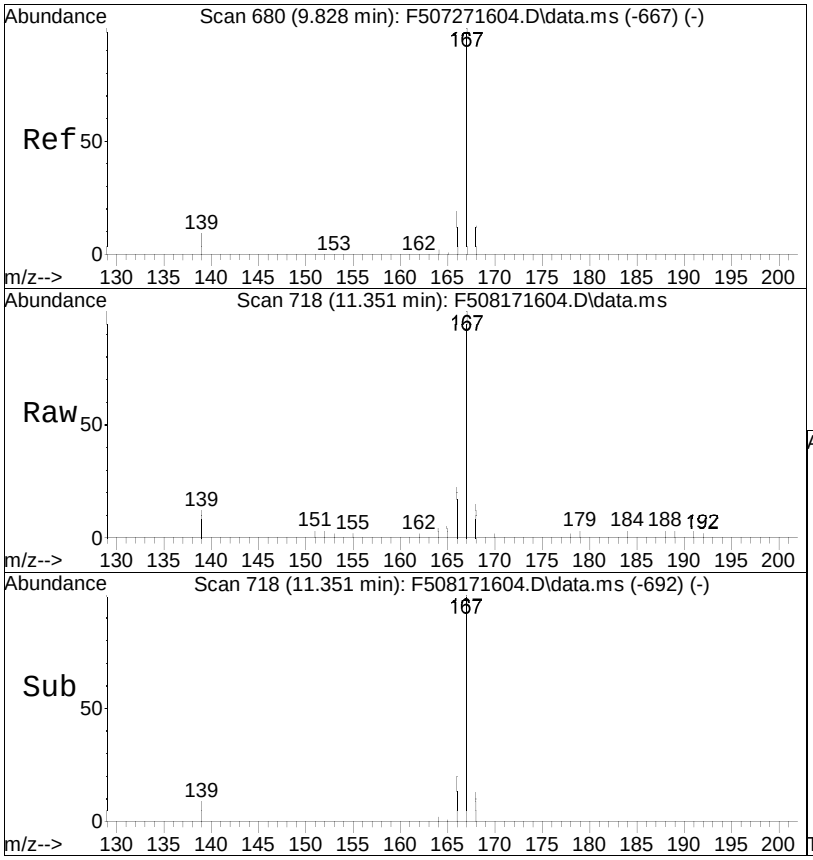


#20
Anthracene
Concen: 12.58 ng/mL
RT: 11.185 min Scan# 697
Delta R.T. 0.000 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:178 Resp: 2730

Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.1	18.1

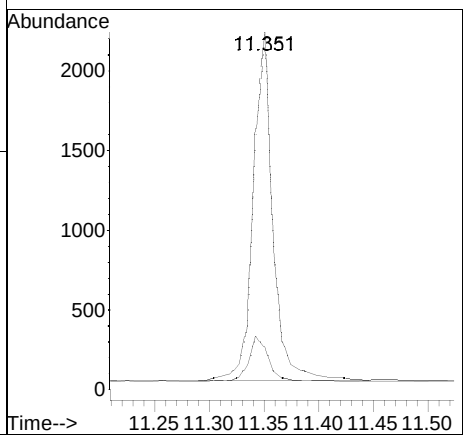


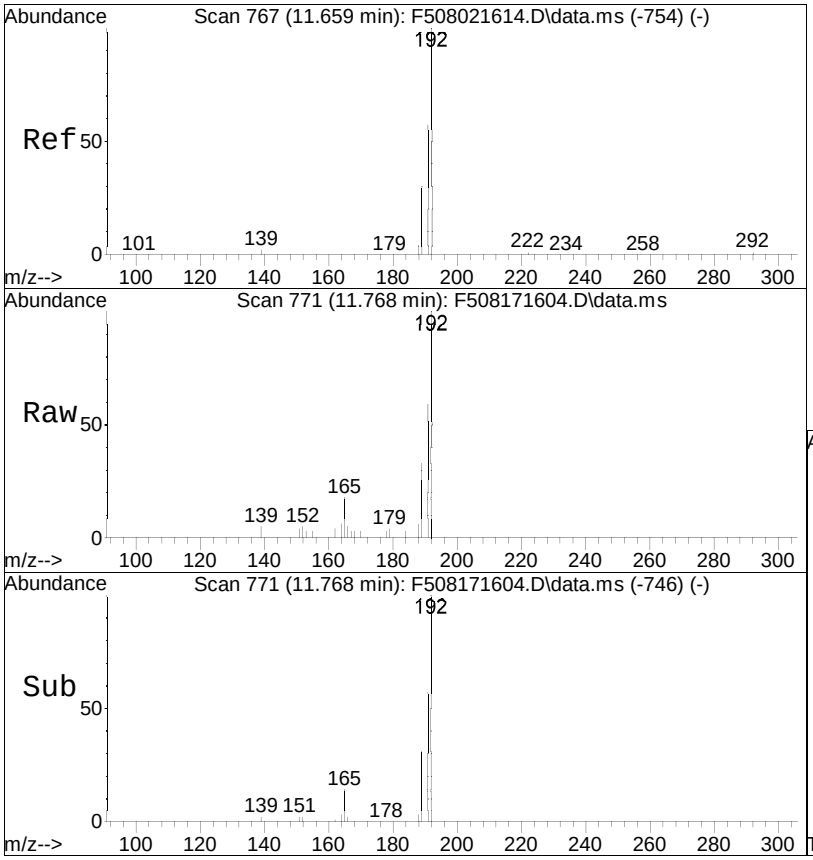


#21
Carbazole
Concen: 12.32 ng/mL
RT: 11.351 min Scan# 718
Delta R.T. 0.008 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:167 Resp: 2685

Ion	Ratio	Lower	Upper
167	100		
139	11.8	12.6	19.0#

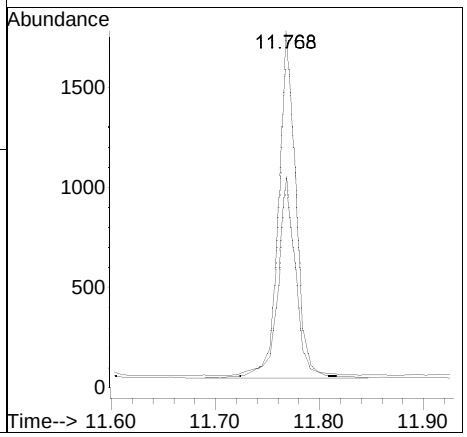


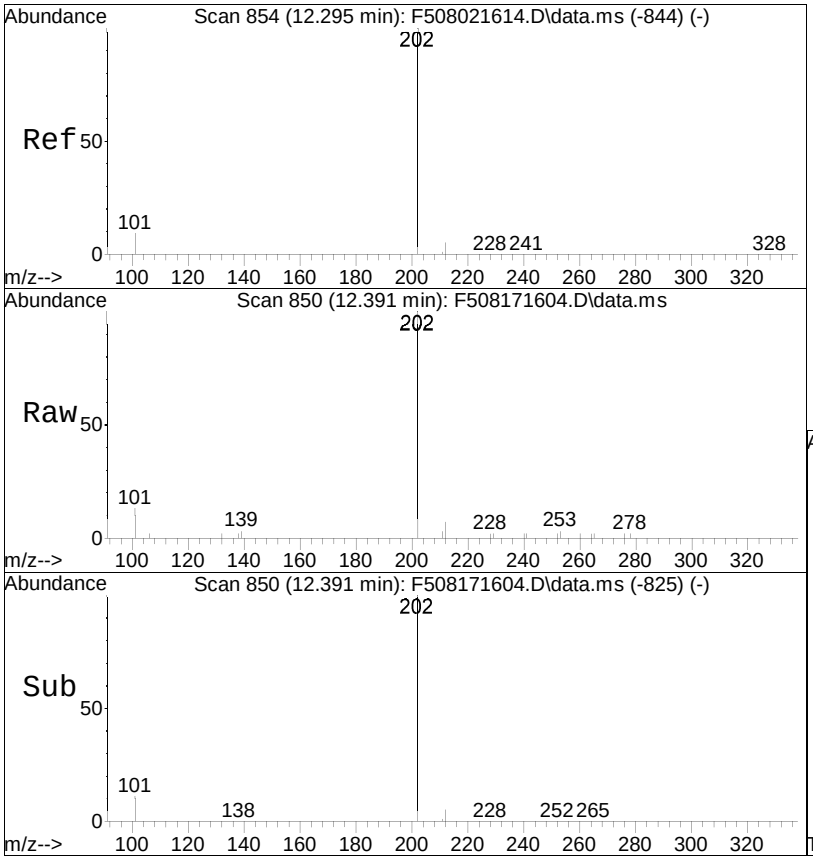


#22
1-Methylphenanthrene
Concen: 11.60 ng/mL
RT: 11.768 min Scan# 771
Delta R.T. 0.000 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:192 Resp: 1979

Ion	Ratio	Lower	Upper
192	100		
191	59.2	46.2	69.4

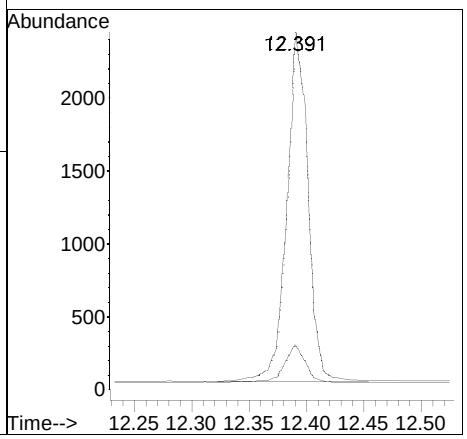


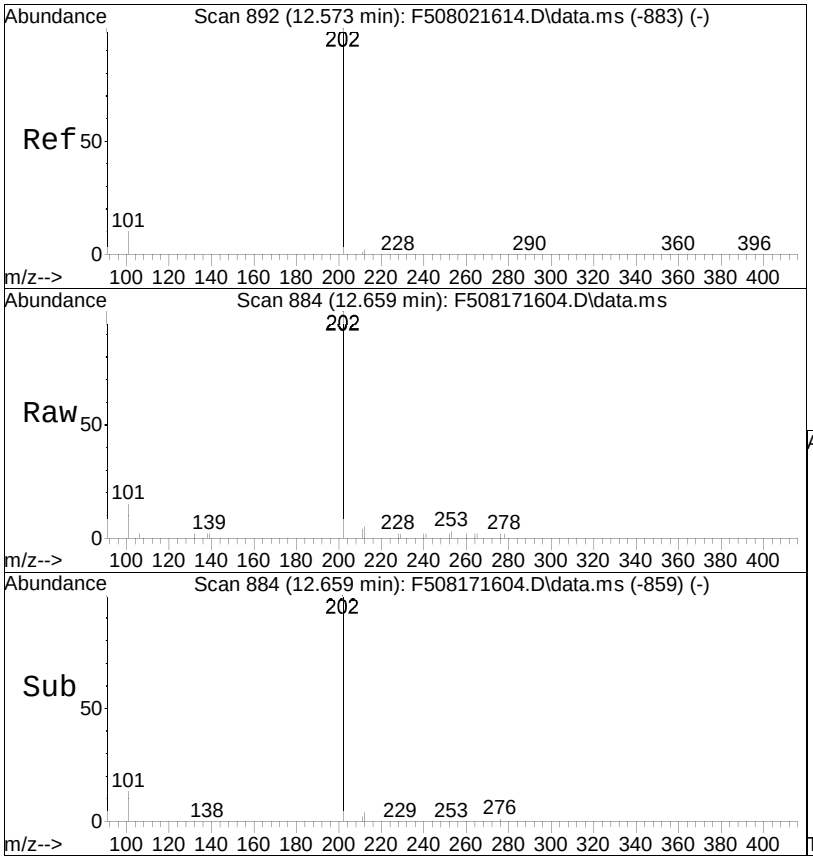


#23
Fluoranthene
Concen: 11.59 ng/mL
RT: 12.391 min Scan# 850
Delta R.T. 0.000 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:202 Resp: 3043

Ion	Ratio	Lower	Upper
202	100		
101	12.8	9.6	14.4

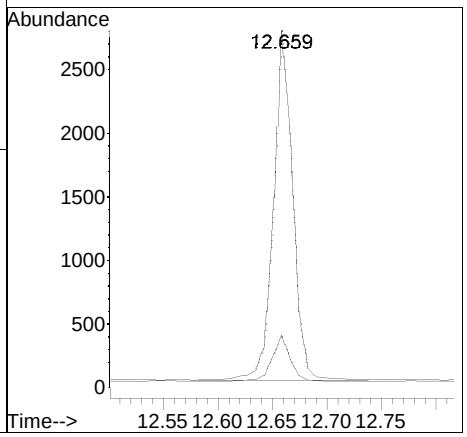


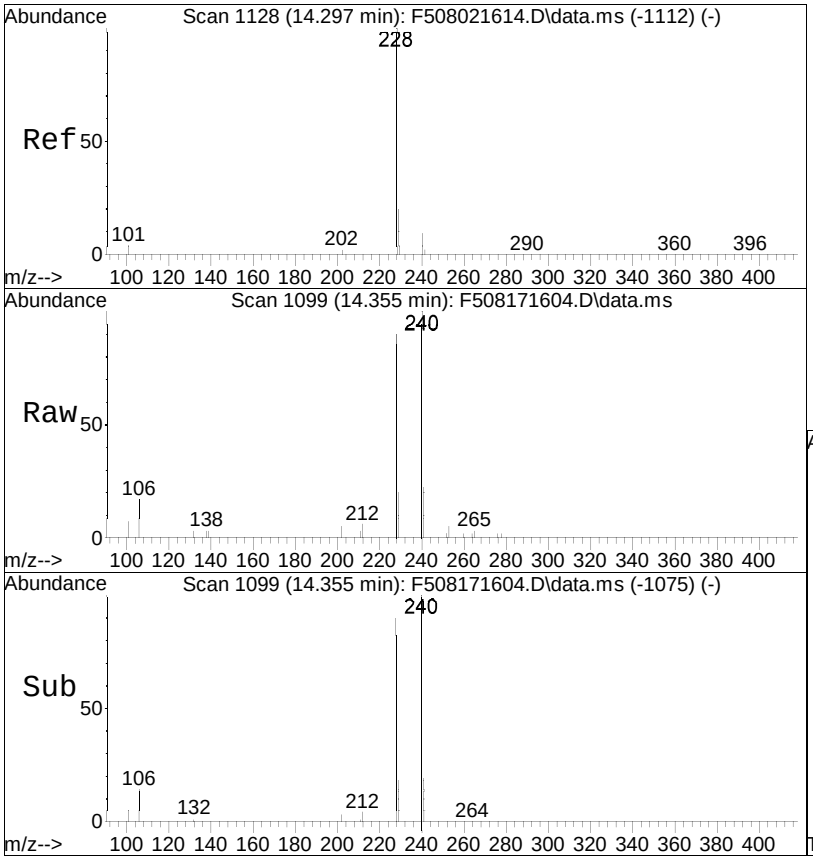


#26
Pyrene
Concen: 10.71 ng/mL
RT: 12.659 min Scan# 884
Delta R.T. 0.000 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:202 Resp: 3301

Ion	Ratio	Lower	Upper
202	100		
101	14.8	11.4	17.0

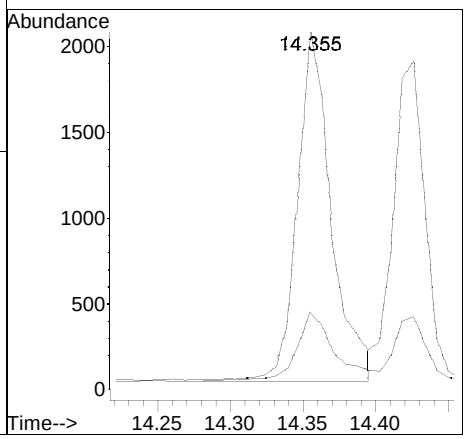


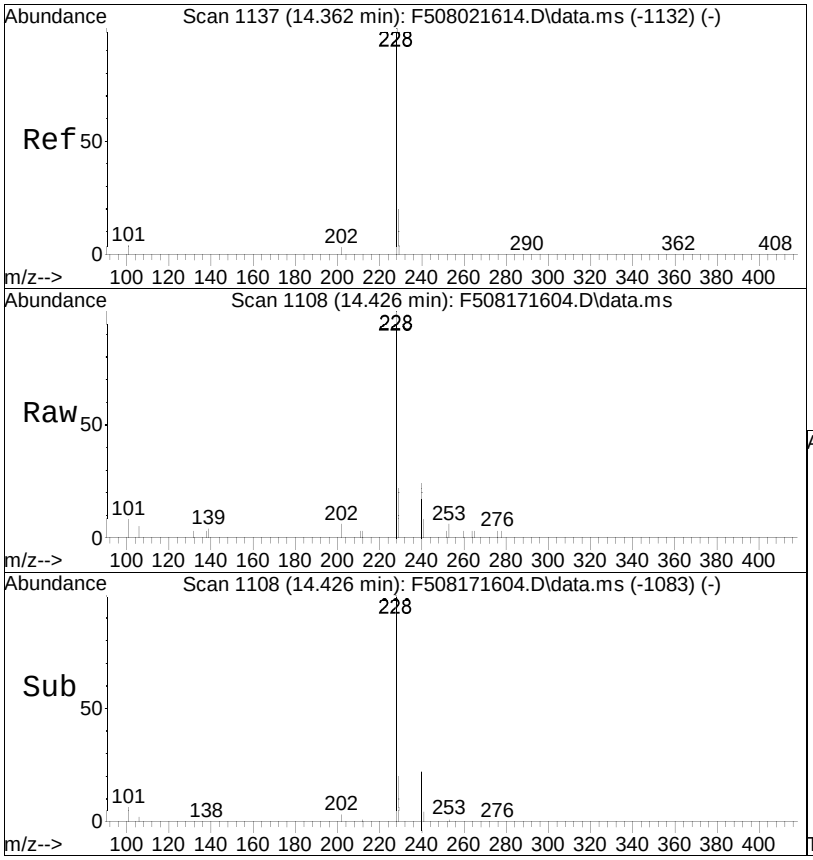


#27
Benz[a]anthracene
Concen: 14.96 ng/mL
RT: 14.355 min Scan# 1099
Delta R.T. -0.008 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:228 Resp: 3293

Ion	Ratio	Lower	Upper
228	100		
229	21.9	15.4	23.0

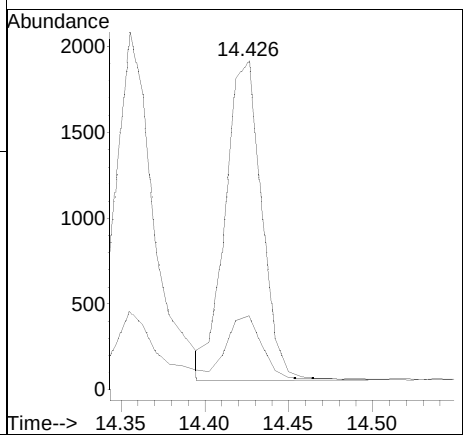


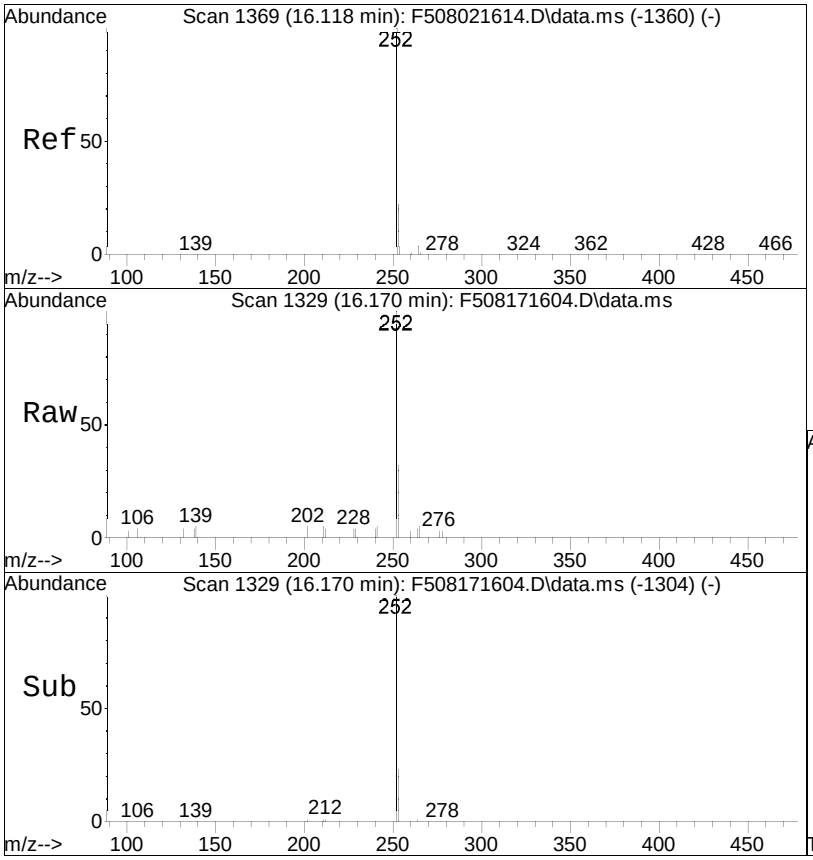


#28
Chrysene
Concen: 10.29 ng/mL
RT: 14.426 min Scan# 1108
Delta R.T. 0.000 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:228 Resp: 2801

Ion	Ratio	Lower	Upper
228	100		
229	22.4	15.6	23.4

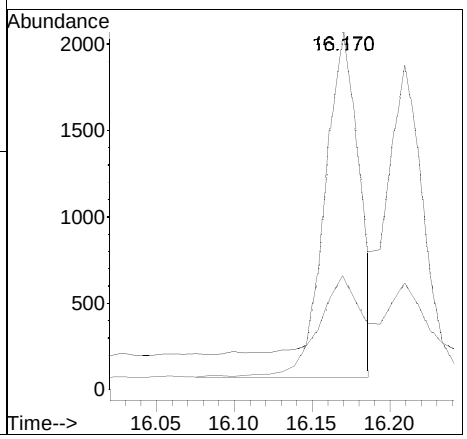


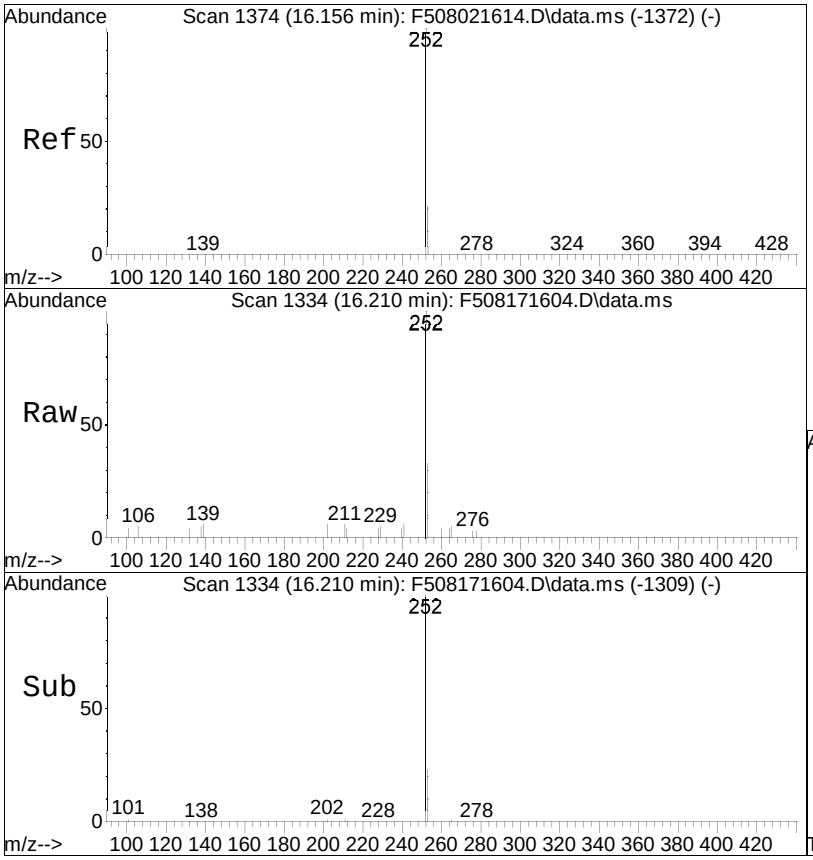


#32
Benzo[b]fluoranthene
Concen: 11.64 ng/mL
RT: 16.170 min Scan# 1329
Delta R.T. 0.000 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:252 Resp: 3119

Ion	Ratio	Lower	Upper
252	100		
253	31.9	17.4	26.0#

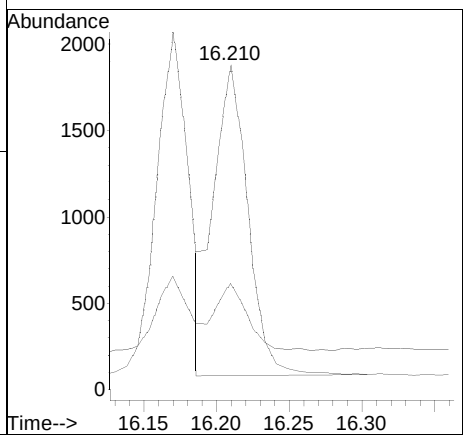


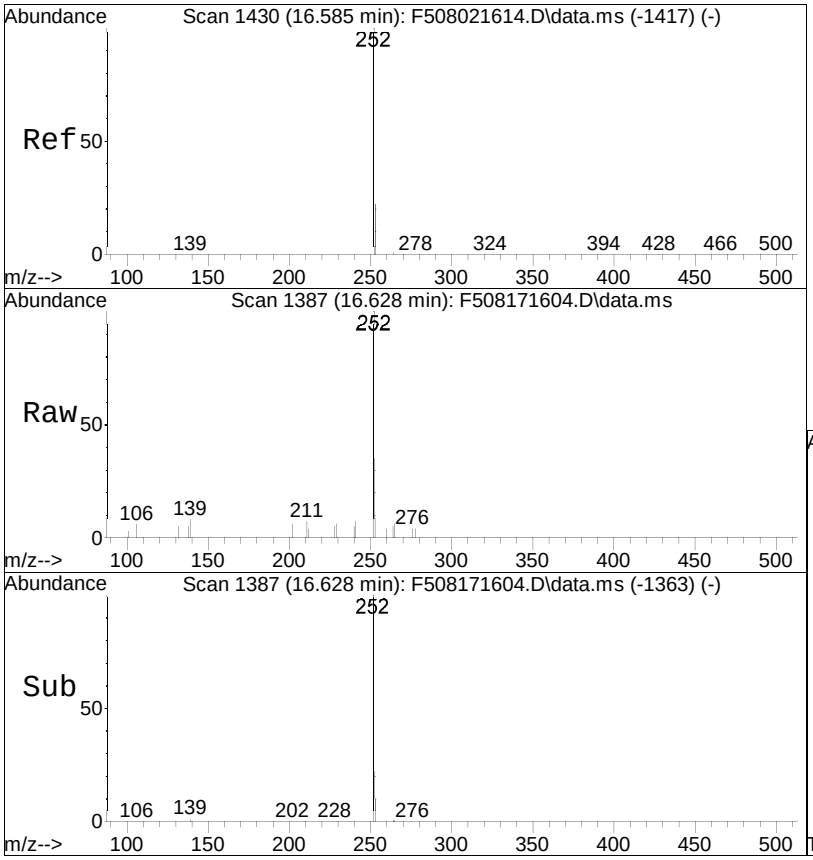


#33
Benzo[k]fluoranthene
Concen: 11.85 ng/mL
RT: 16.210 min Scan# 1334
Delta R.T. 0.000 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:252 Resp: 2929

Ion	Ratio	Lower	Upper
252	100		
253	32.9	17.4	26.0#

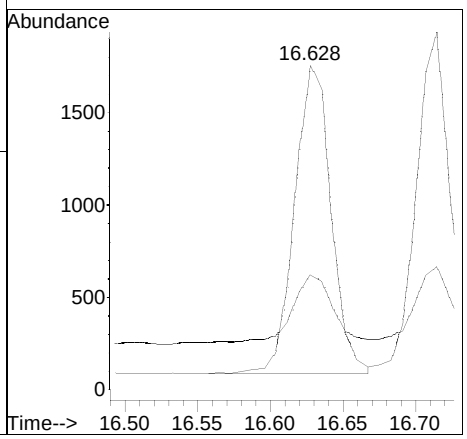


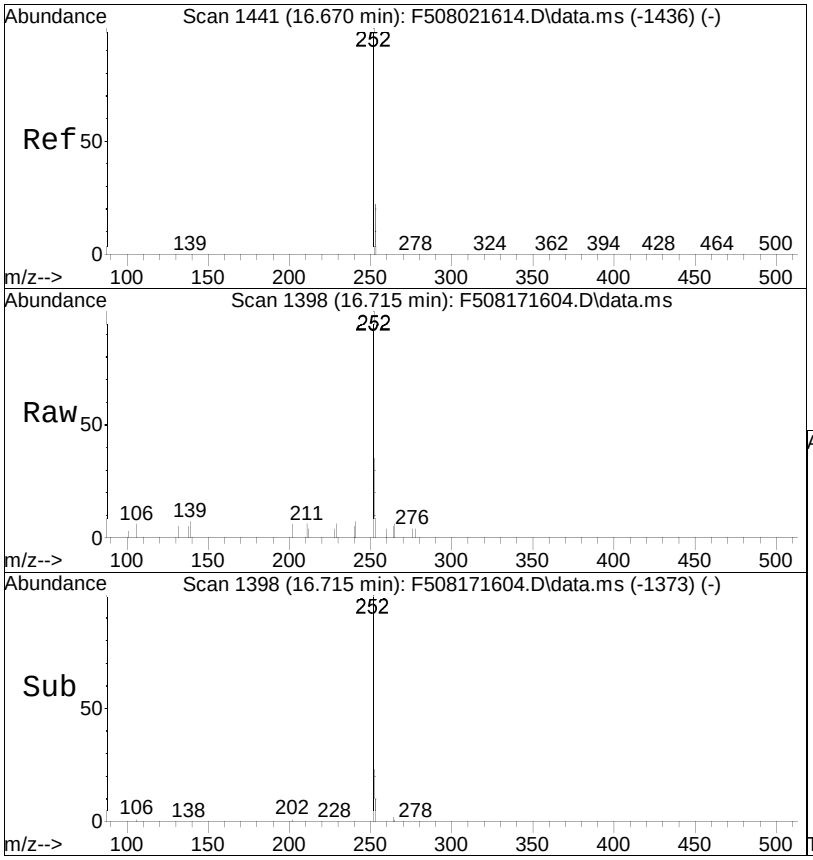


#34
Benzo[e]pyrene
Concen: 12.12 ng/mL
RT: 16.628 min Scan# 1387
Delta R.T. -0.008 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:252 Resp: 2911

Ion	Ratio	Lower	Upper
252	100		
253	35.4	17.2	25.8#

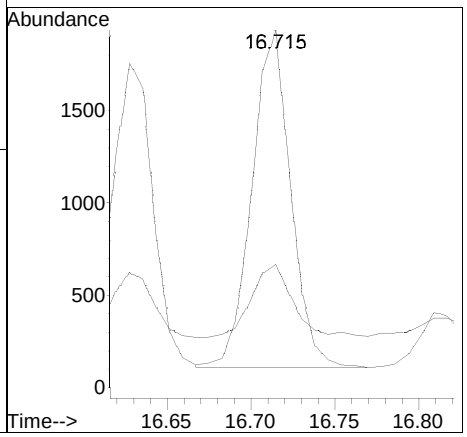


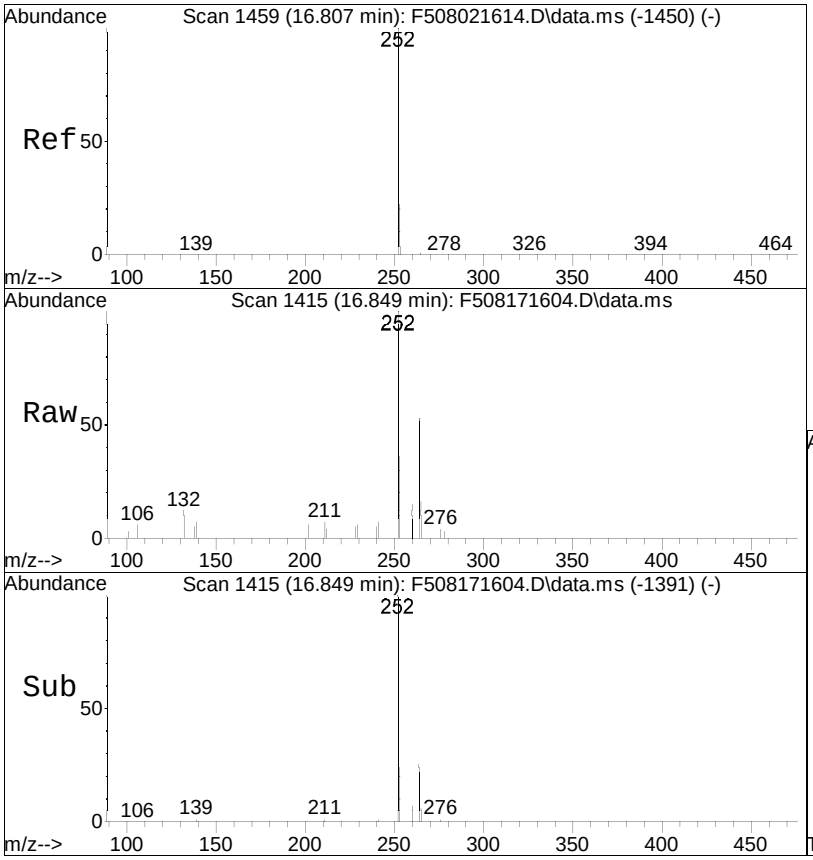


#35
Benzo[a]pyrene
Concen: 12.44 ng/mL
RT: 16.715 min Scan# 1398
Delta R.T. 0.000 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:252 Resp: 2929

Ion	Ratio	Lower	Upper
252	100		
253	34.6	17.4	26.2#

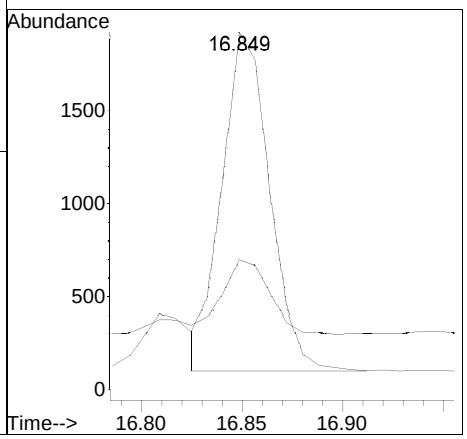


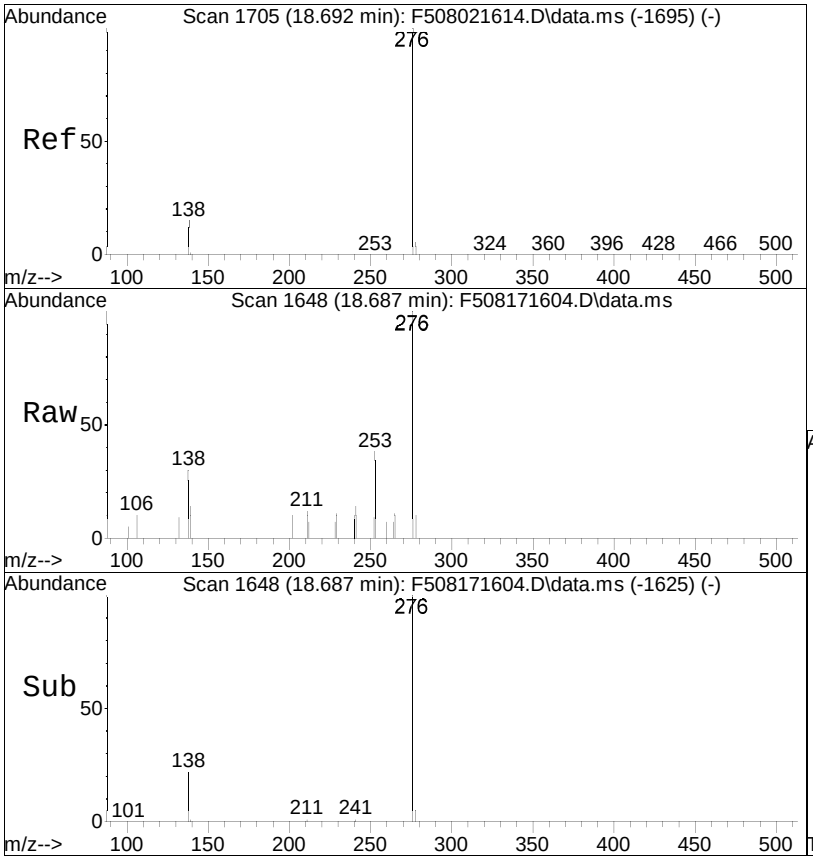


#36
Perylene
Concen: 10.27 ng/mL M4
RT: 16.849 min Scan# 1415
Delta R.T. -0.008 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:252 Resp: 2990

Ion	Ratio	Lower	Upper
252	100		
253	36.3	17.3	25.9#

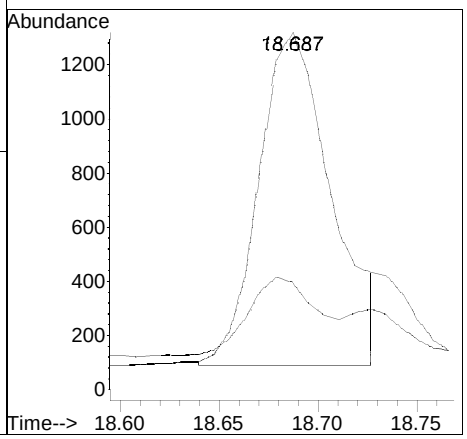


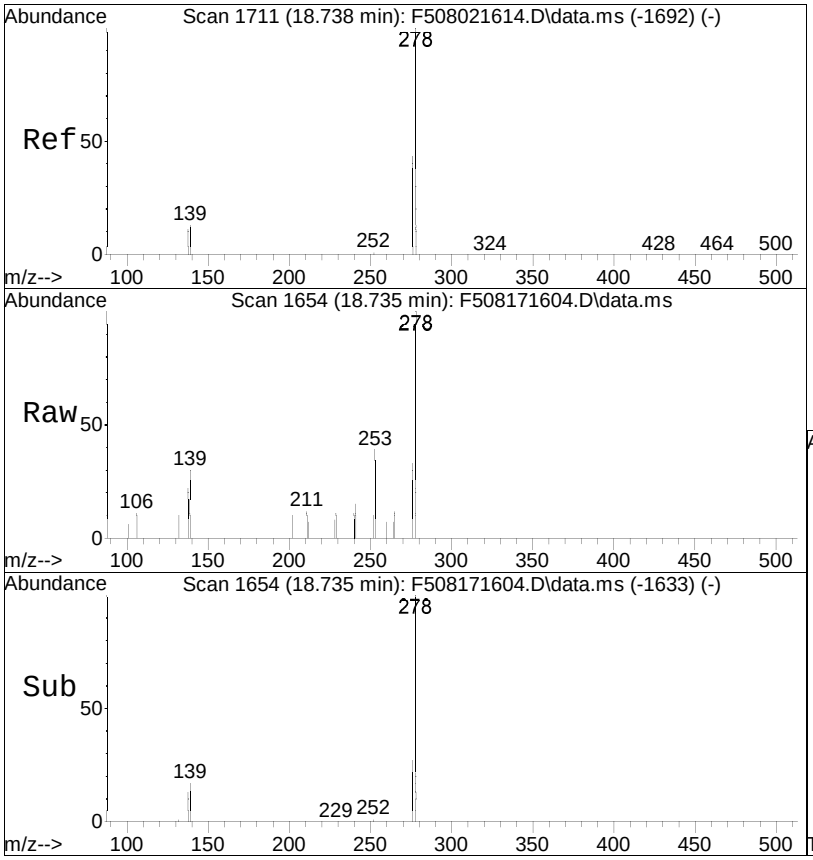


#37
Indeno[1,2,3-cd]pyrene
Concen: 20.21 ng/mL M4
RT: 18.687 min Scan# 1648
Delta R.T. -0.008 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:276 Resp: 3139

Ion	Ratio	Lower	Upper
276	100		
138	30.2	21.4	32.2

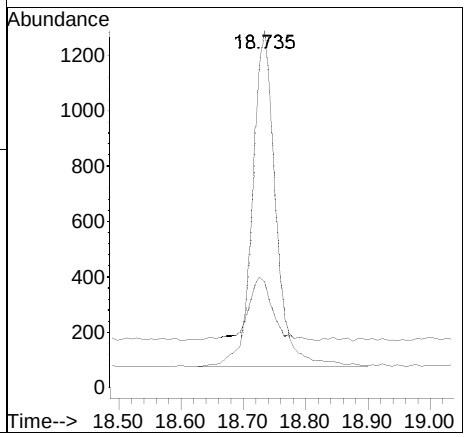


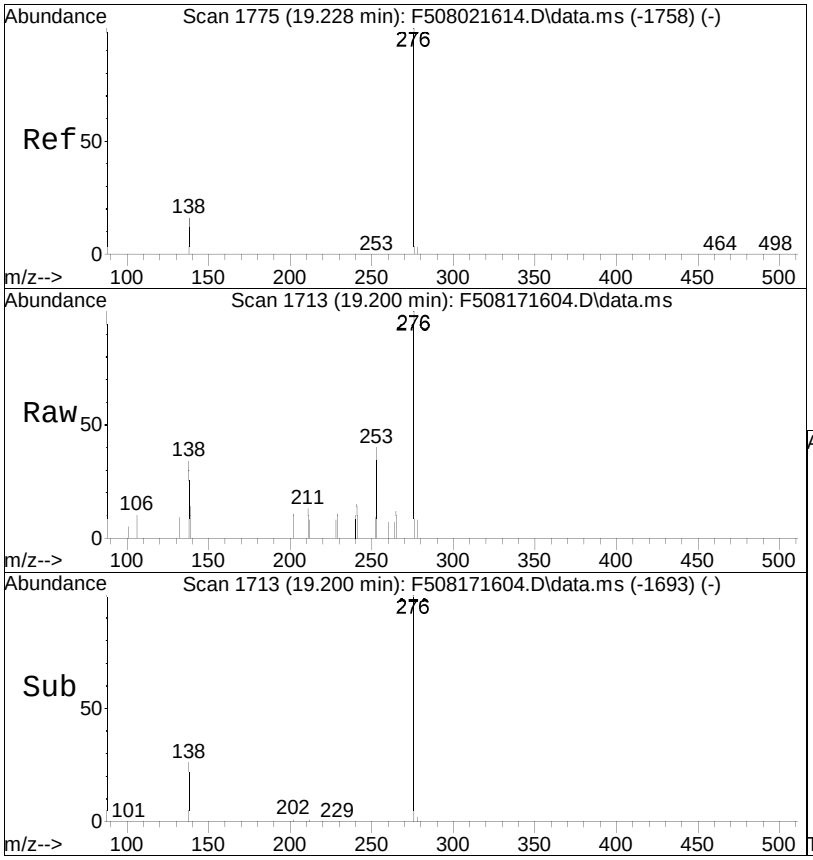


#38
Dibenz[a,h]anthracene
Concen: 14.32 ng/mL
RT: 18.735 min Scan# 1654
Delta R.T. 0.000 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:278 Resp: 3099

Ion	Ratio	Lower	Upper
278	100		
139	29.8	18.2	27.2#

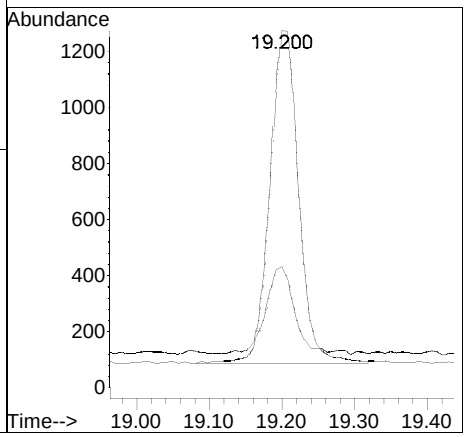




#39
Benzo[g,h,i]perylene
Concen: 13.60 ng/mL
RT: 19.200 min Scan# 1713
Delta R.T. -0.008 min
Lab File: F508171604.D
Acq: 17 Aug 2016 2:45 pm

Tgt Ion:276 Resp: 3222

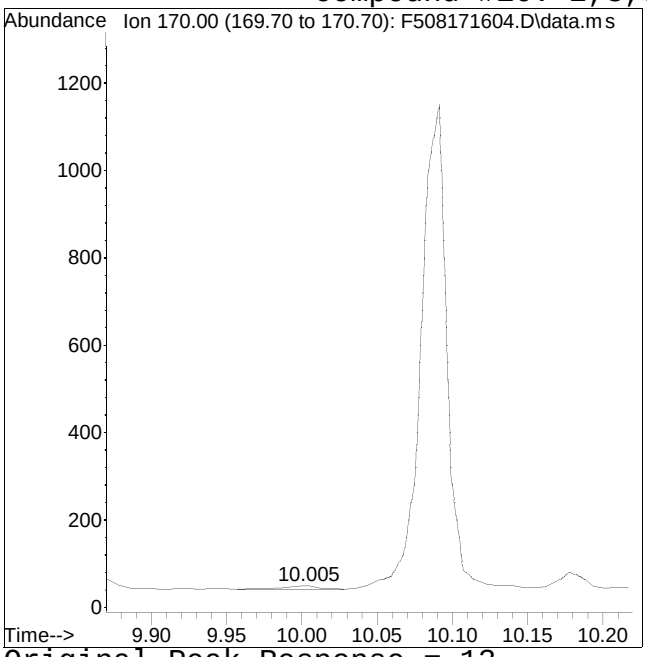
Ion	Ratio	Lower	Upper
276	100		
138	33.8	33.5	50.3



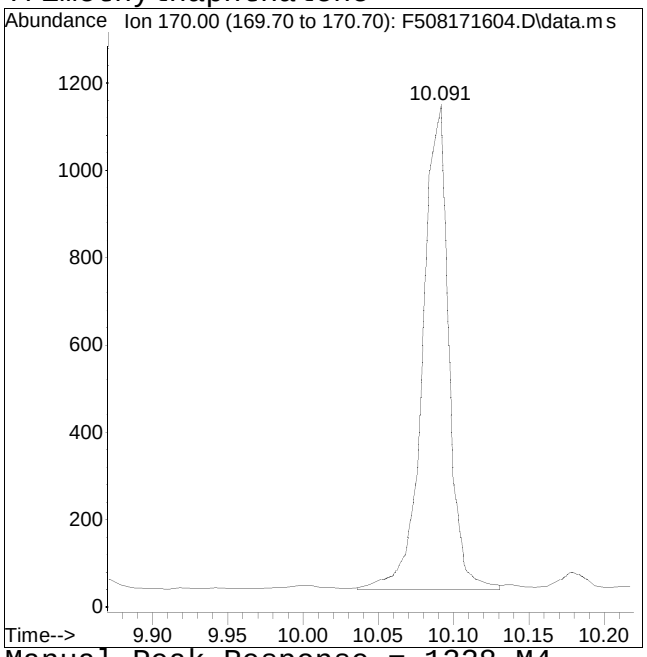
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH5\2016\ QMethod : PAH0817PAH5.M
Data File : F508171604.D Operator : PAH5:DP
Date Inj'd : 8/17/2016 2:45 pm Instrument : PAH 5
Sample : I508171601 Quant Date : 8/18/2016 11:43 am

Compound #16: 2,3,5-Trimethylnaphthalene



Original Peak Response = 13



Manual Peak Response = 1328 M4

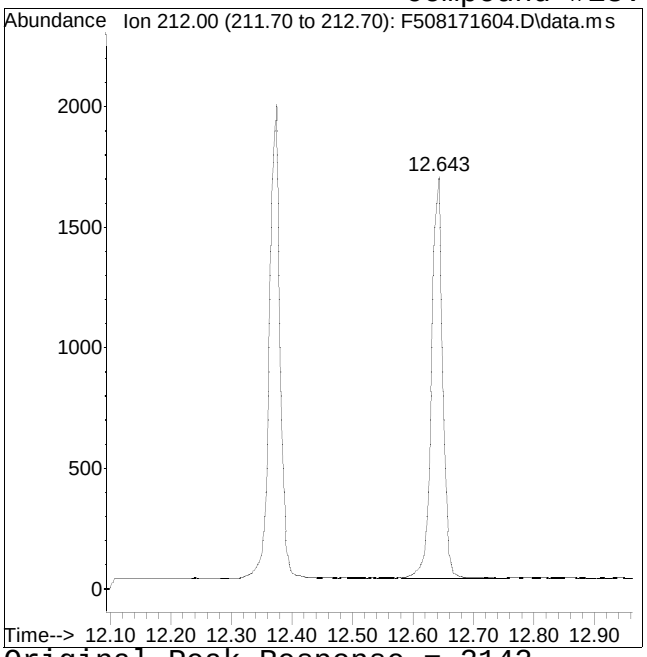
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

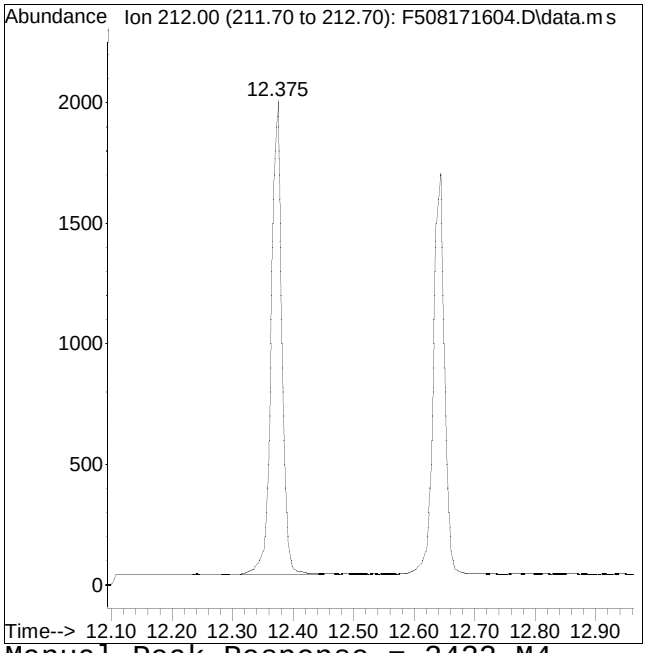
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F508171604.D
Date Inj'd : 8/17/2016 2:45 pm
Sample : I508171601

QMethod : PAH0817PAH5.M
Operator : PAH5:DP
Instrument : PAH 5
Quant Date : 8/18/2016 11:43 am

Compound #18: Fluoranthene-d10



Original Peak Response = 2142



Manual Peak Response = 2422 M4

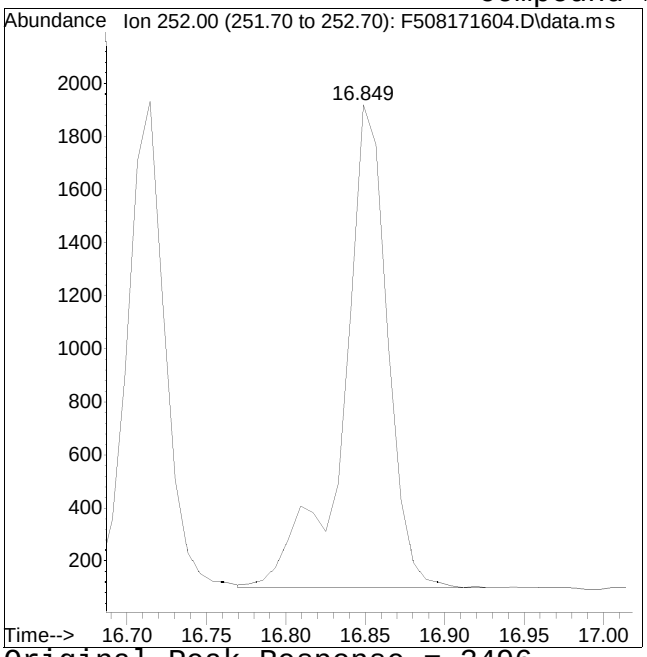
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

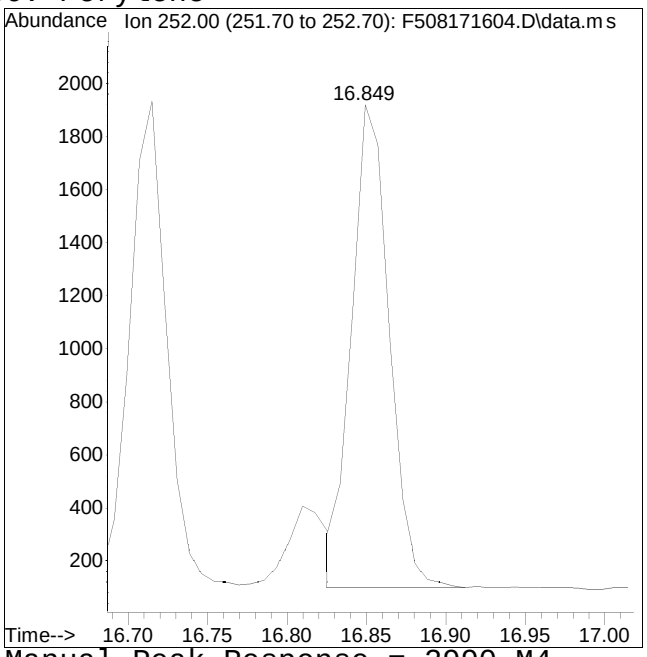
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F508171604.D
Date Inj'd : 8/17/2016 2:45 pm
Sample : I508171601

QMethod : PAH0817PAH5.M
Operator : PAH5:DP
Instrument : PAH 5
Quant Date : 8/18/2016 11:43 am

Compound #36: Perylene



Original Peak Response = 3496



Manual Peak Response = 2990 M4

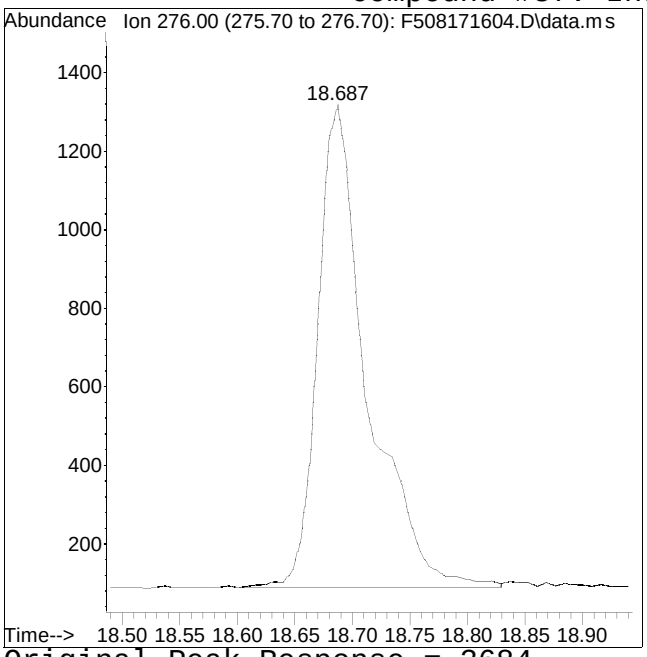
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

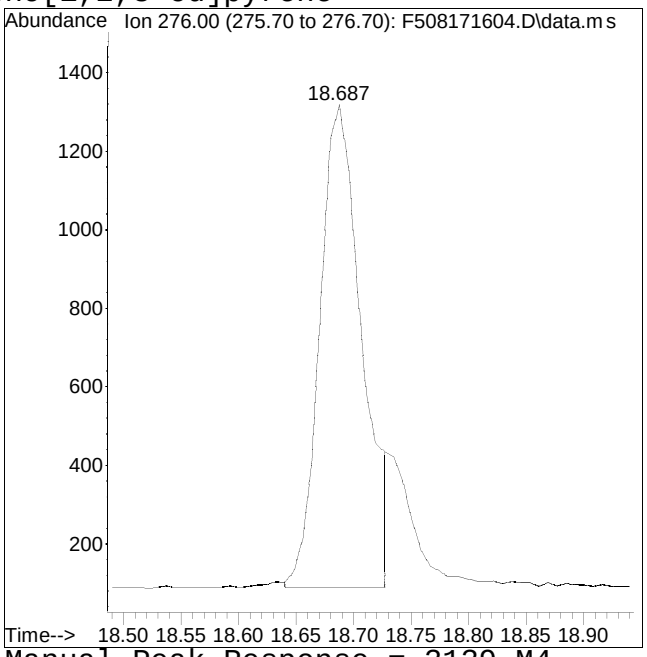
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F508171604.D
Date Inj'd : 8/17/2016 2:45 pm
Sample : I508171601

QMethod : PAH0817PAH5.M
Operator : PAH5:DP
Instrument : PAH 5
Quant Date : 8/18/2016 11:43 am

Compound #37: Indeno[1,2,3-cd]pyrene



Original Peak Response = 3684



Manual Peak Response = 3139 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171605.D
Acq On : 17 Aug 2016 3:20 pm
Operator : PAH5:DP
Sample : I508171602
Misc : WG923960,MSAJ35
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 18 12:17:30 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 11:42:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.946	136	120807	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.682	164	60167	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.122	188	120011	500.000	ng/mL	0.00
24) Chrysene-d12	14.387	240	119635	500.000	ng/mL	0.00
29) Perylene-d12	16.809	264	121226	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.611	152	2687	20.513	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 0.41%#			
18) Fluoranthene-d10	12.375	212	4520	23.024	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 4.60%#			
25) Pyrene-d10	12.643	212	4022	20.660	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 0.41%#			
30) Benzo(a)pyrene-d12	16.675	264	3876	27.055	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 5.41%#			
31) Benzo[b]fluoranthene-d12	16.130	264	4136	23.355	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 0.47%#			
Target Compounds						Qvalue
2) Naphthalene	7.960	128	4899	20.333	ng/mL	97
3) 1,4-Dichlorobenzene	6.693	146	2320	18.964	ng/mL	90
5) 2-Methylnaphthalene	8.647	142	2781	19.924	ng/mL	99
6) 1-Methylnaphthalene	8.753	142	3102	20.518	ng/mL	100
8) Dibenzothiophene	11.028	184	5500	21.932	ng/mL	99
9) 2-Chloronaphthalene	9.121	162	3521	20.502	ng/mL	98
10) Biphenyl	9.107	154	4164	21.285	ng/mL	99
11) 2,6-Dimethylnaphthalene	9.262	156	2807	21.111	ng/mL	100
12) Acenaphthylene	9.532	152	5165	23.483	ng/mL	99
13) Acenaphthene	9.713	153	3168	20.321	ng/mL	97
14) Dibenzofuran	9.871	168	4653	20.446	ng/mL	91
15) Fluorene	10.209	166	3581	21.412	ng/mL	100
16) 2,3,5-Trimethylnaphthalen	10.091	170	2513M4	21.291	ng/mL	
19) Phenanthrene	11.146	178	5468	20.280	ng/mL	98
20) Anthracene	11.185	178	5137	23.230	ng/mL	98
21) Carbazole	11.351	167	5064	22.815	ng/mL#	90
22) 1-Methylphenanthrene	11.768	192	3706	21.321	ng/mL	98
23) Fluoranthene	12.390	202	5736	21.451	ng/mL	99
26) Pyrene	12.659	202	6331	20.338	ng/mL	99
27) Benz[a]anthracene	14.355	228	5916	26.627	ng/mL	97
28) Chrysene	14.426	228	5435	19.770	ng/mL	98

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171605.D
Acq On : 17 Aug 2016 3:20 pm
Operator : PAH5:DP
Sample : I508171602
Misc : WG923960,MSAJ35
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 18 12:17:30 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 11:42:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo[b]fluoranthene	16.170	252	6341	23.536	ng/mL#	89
33) Benzo[k]fluoranthene	16.209	252	5035	20.254	ng/mL#	89
34) Benzo[e]pyrene	16.628	252	5487	22.723	ng/mL#	87
35) Benzo[a]pyrene	16.714	252	5480	23.153	ng/mL#	88
36) Perylene	16.856	252	5587M4	19.096	ng/mL	
37) Indeno[1,2,3-cd]pyrene	18.687	276	5885M4	37.694	ng/mL	
38) Dibenz[a,h]anthracene	18.734	278	5658	26.003	ng/mL	100
39) Benzo[g,h,i]perylene	19.208	276	6024	25.296	ng/mL#	74

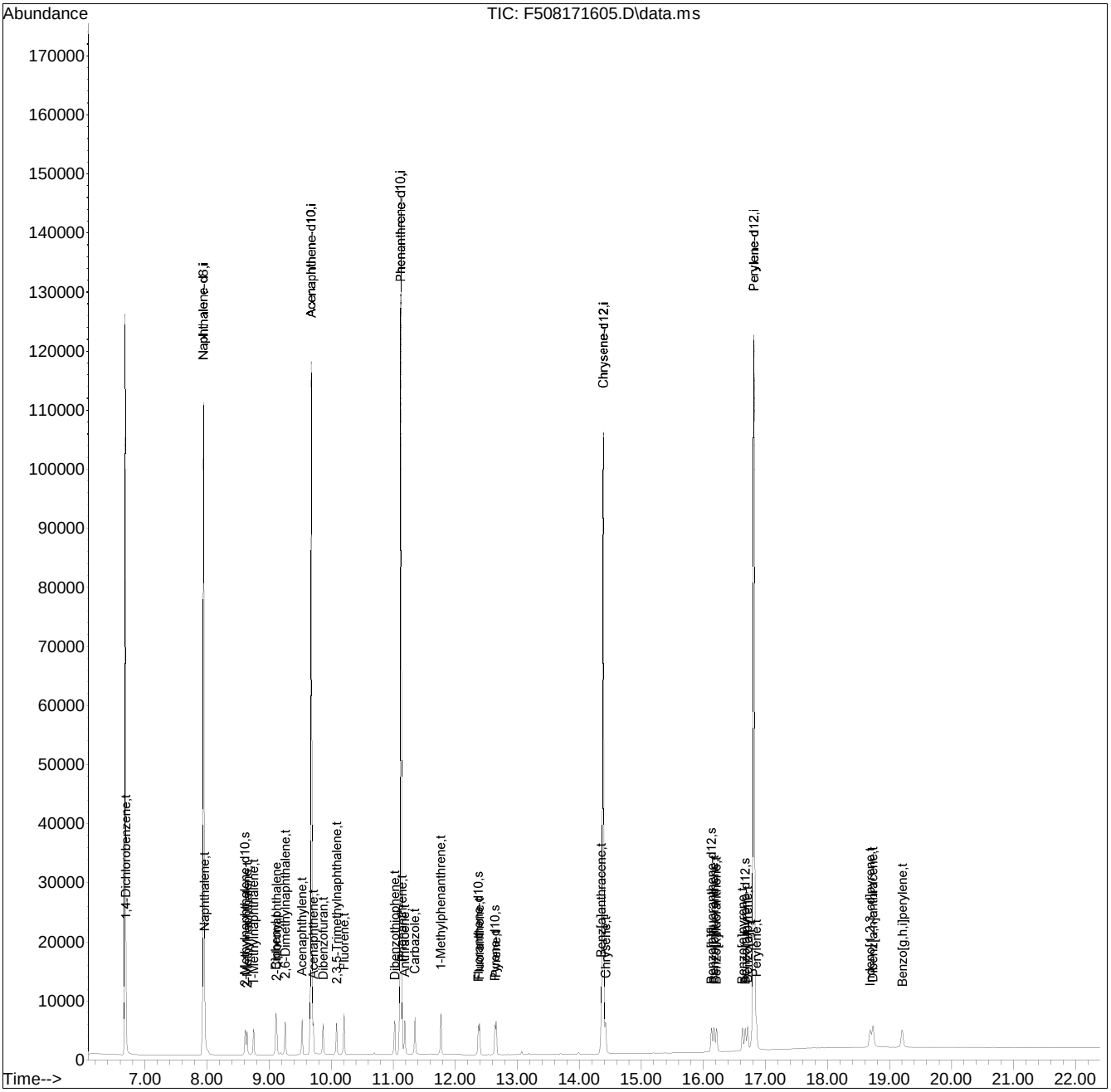
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171605.D
Acq On : 17 Aug 2016 3:20 pm
Operator : PAH5:DP
Sample : I508171602
Misc : WG923960,MSAJ35
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 18 12:17:30 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 11:42:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

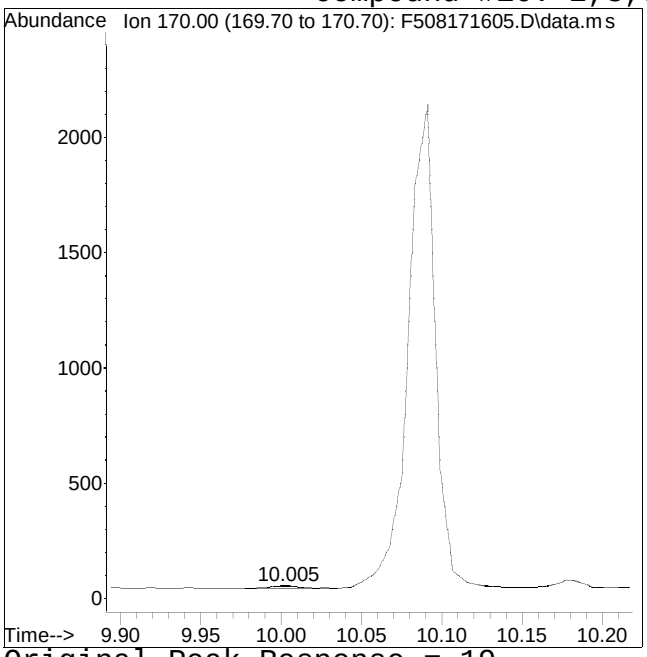


Manual Integration/Negative Proof Report

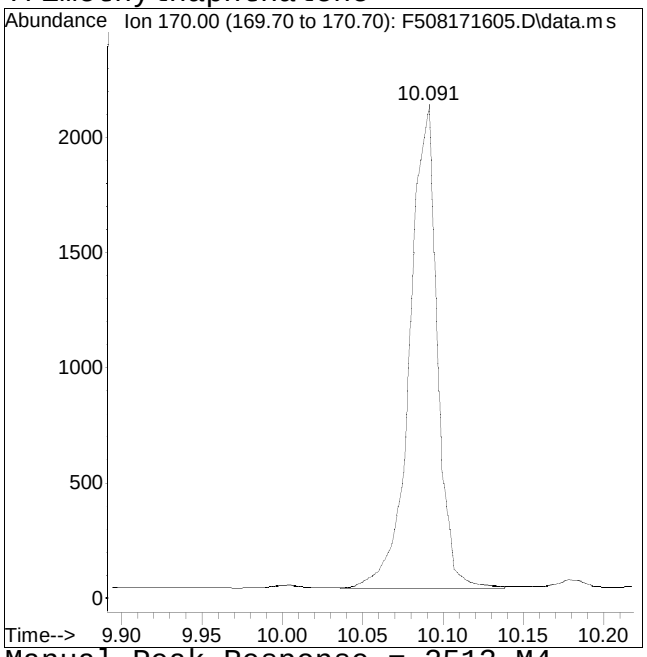
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F508171605.D
Date Inj'd : 8/17/2016 3:20 pm
Sample : I508171602

QMethod : PAH0817PAH5.M
Operator : PAH5:DP
Instrument : PAH 5
Quant Date : 8/18/2016 11:43 am

Compound #16: 2,3,5-Trimethylnaphthalene



Original Peak Response = 19



Manual Peak Response = 2513 M4

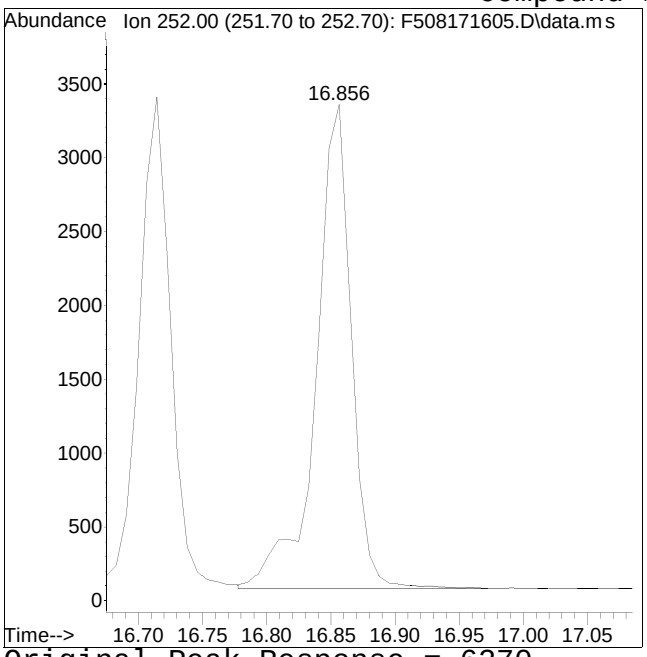
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

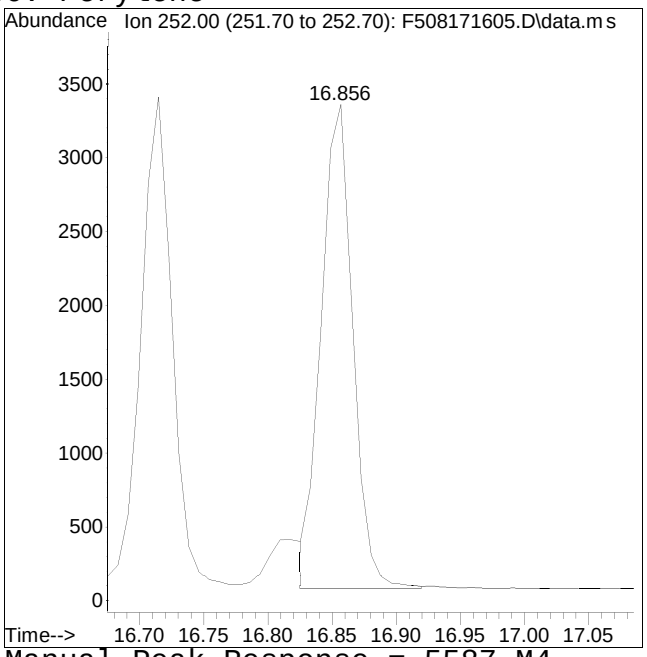
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F508171605.D
Date Inj'd : 8/17/2016 3:20 pm
Sample : I508171602

QMethod : PAH0817PAH5.M
Operator : PAH5:DP
Instrument : PAH 5
Quant Date : 8/18/2016 11:43 am

Compound #36: Perylene



Original Peak Response = 6270



Manual Peak Response = 5587 M4

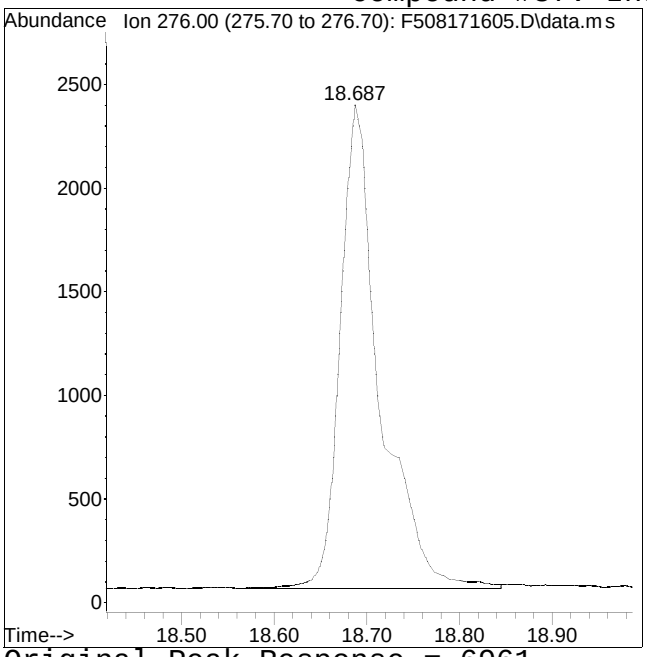
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

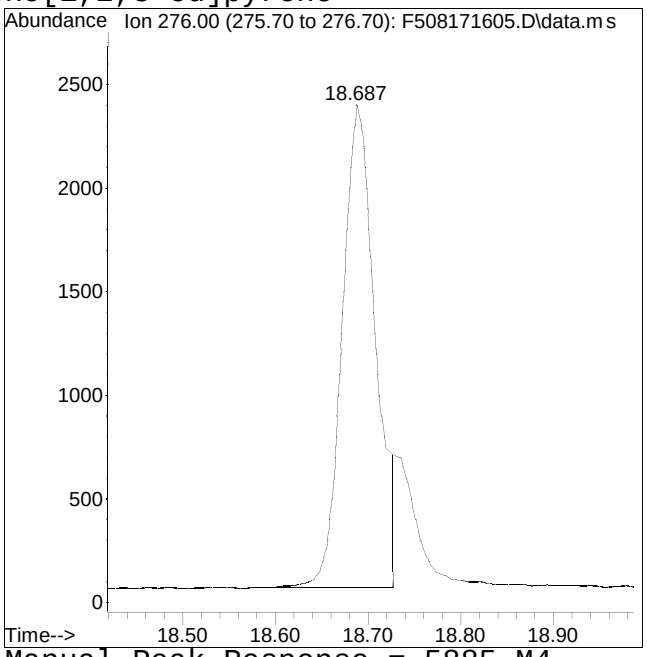
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F508171605.D
Date Inj'd : 8/17/2016 3:20 pm
Sample : I508171602

QMethod : PAH0817PAH5.M
Operator : PAH5:DP
Instrument : PAH 5
Quant Date : 8/18/2016 11:43 am

Compound #37: Indeno[1,2,3-cd]pyrene



Original Peak Response = 6961



Manual Peak Response = 5885 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171606.D
Acq On : 17 Aug 2016 3:56 pm
Operator : PAH5:DP
Sample : I508171603
Misc : WG923960,MSAK41
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 18 12:18:11 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 11:42:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.946	136	115787	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.682	164	58340	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.122	188	116917	500.000	ng/mL	0.00
24) Chrysene-d12	14.387	240	118476	500.000	ng/mL	0.00
29) Perylene-d12	16.817	264	118134	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.611	152	13355	106.377	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 2.13%#			
18) Fluoranthene-d10	12.375	212	21180	110.743	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 22.15%#			
25) Pyrene-d10	12.643	212	20191	104.732	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 2.09%#			
30) Benzo(a)pyrene-d12	16.675	264	17810	127.571	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 25.51%#			
31) Benzo[b]fluoranthene-d12	16.131	264	19948	115.592	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 2.31%#			
Target Compounds						Qvalue
2) Naphthalene	7.960	128	23811	103.110	ng/mL	99
3) 1,4-Dichlorobenzene	6.693	146	11288	96.268	ng/mL	96
5) 2-Methylnaphthalene	8.647	142	15205	113.654	ng/mL	97
6) 1-Methylnaphthalene	8.746	142	15106	104.247	ng/mL	97
8) Dibenzothiophene	11.028	184	26536	109.128	ng/mL	97
9) 2-Chloronaphthalene	9.121	162	17298	103.877	ng/mL	98
10) Biphenyl	9.107	154	19423	102.393	ng/mL	99
11) 2,6-Dimethylnaphthalene	9.263	156	13688	106.167	ng/mL	98
12) Acenaphthylene	9.532	152	25315	118.702	ng/mL	99
13) Acenaphthene	9.713	153	15360	101.612	ng/mL	100
14) Dibenzofuran	9.871	168	22653	102.656	ng/mL#	87
15) Fluorene	10.209	166	17541	108.170	ng/mL	100
16) 2,3,5-Trimethylnaphthalen	10.091	170	12009M4	104.930	ng/mL	
19) Phenanthrene	11.146	178	26386	100.452	ng/mL	100
20) Anthracene	11.185	178	24811	115.165	ng/mL	100
21) Carbazole	11.351	167	24932	115.302	ng/mL#	85
22) 1-Methylphenanthrene	11.768	192	18494	109.215	ng/mL	99
23) Fluoranthene	12.390	202	28289	108.593	ng/mL	98
26) Pyrene	12.659	202	31121	100.955	ng/mL	98
27) Benz[a]anthracene	14.355	228	26972	122.586	ng/mL	99
28) Chrysene	14.426	228	26504	97.353	ng/mL	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171606.D
Acq On : 17 Aug 2016 3:56 pm
Operator : PAH5:DP
Sample : I508171603
Misc : WG923960,MSAK41
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 18 12:18:11 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 11:42:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo[b]fluoranthene	16.170	252	30360	115.637	ng/mL	98
33) Benzo[k]fluoranthene	16.209	252	24300	100.311	ng/mL	99
34) Benzo[e]pyrene	16.628	252	26788	113.840	ng/mL	97
35) Benzo[a]pyrene	16.714	252	24866	107.810	ng/mL	98
36) Perylene	16.857	252	28757	100.862	ng/mL	97
37) Indeno[1,2,3-cd]pyrene	18.687	276	28262M4	185.759	ng/mL	
38) Dibenz[a,h]anthracene	18.734	278	27769	130.963	ng/mL	92
39) Benzo[g,h,i]perylene	19.200	276	28409	122.419	ng/mL#	75

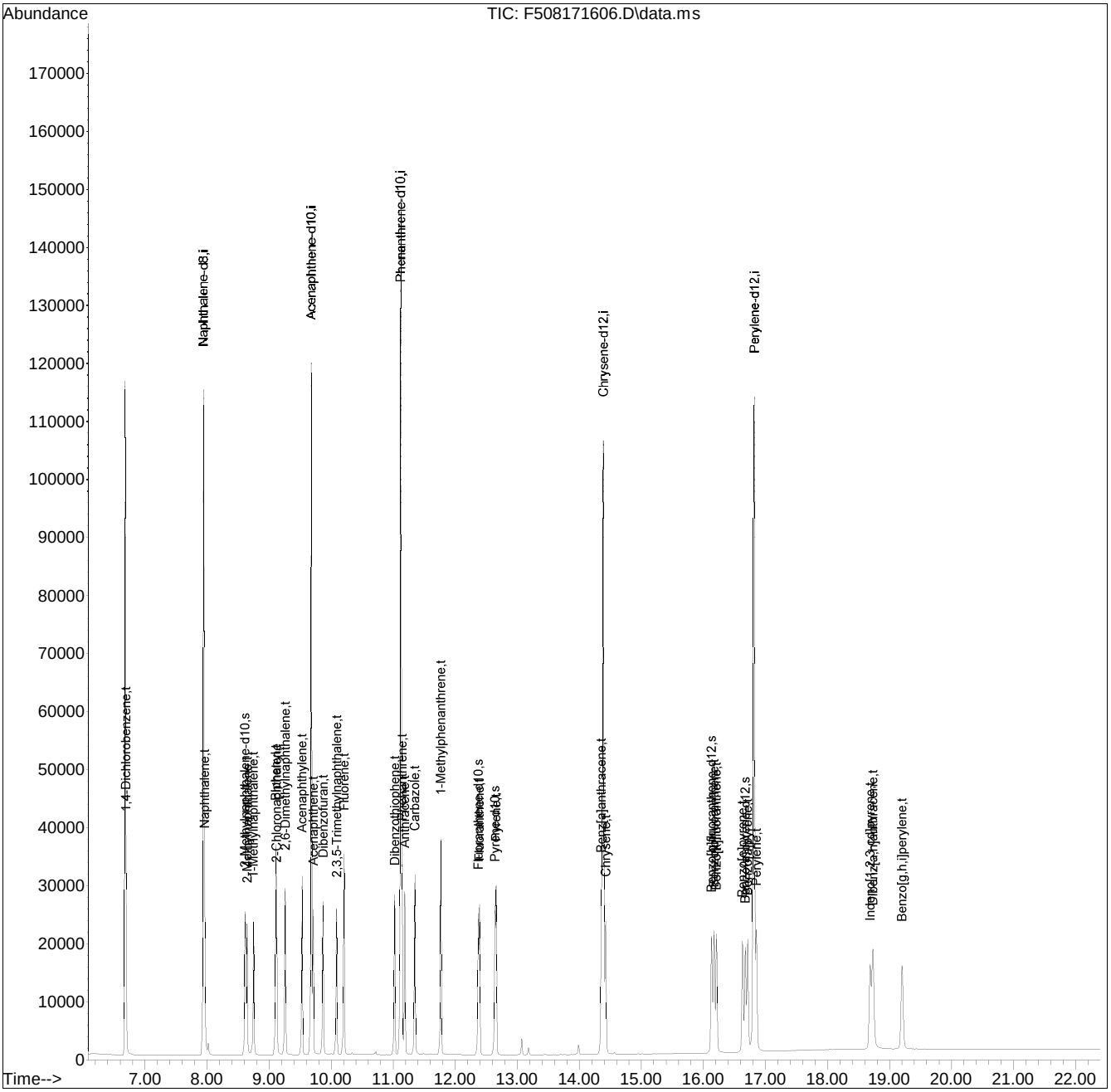
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171606.D
Acq On : 17 Aug 2016 3:56 pm
Operator : PAH5:DP
Sample : I508171603
Misc : WG923960,MSAK41
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 18 12:18:11 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 11:42:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

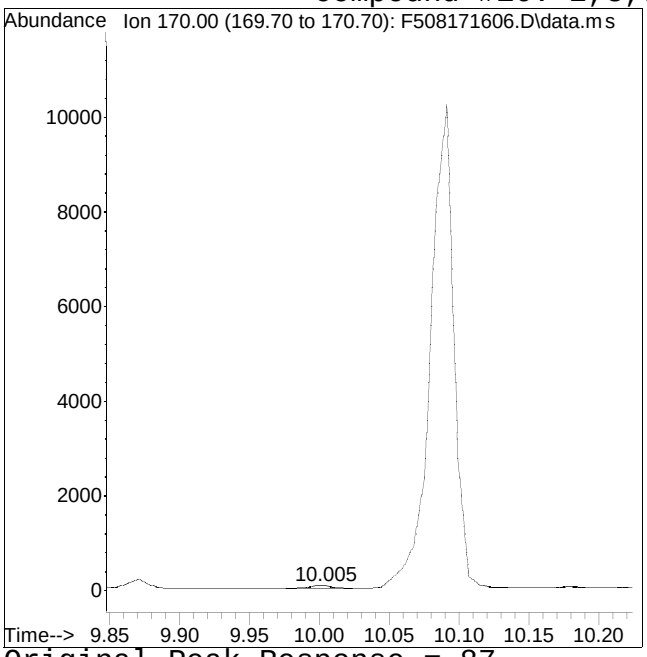


Manual Integration/Negative Proof Report

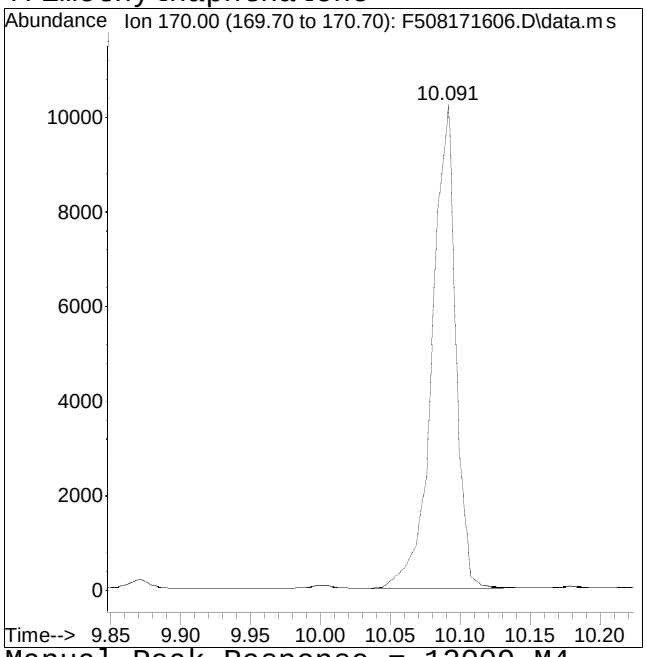
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F508171606.D
Date Inj'd : 8/17/2016 3:56 pm
Sample : I508171603

QMethod : PAH0817PAH5.M
Operator : PAH5:DP
Instrument : PAH 5
Quant Date : 8/18/2016 11:43 am

Compound #16: 2,3,5-Trimethylnaphthalene



Original Peak Response = 87



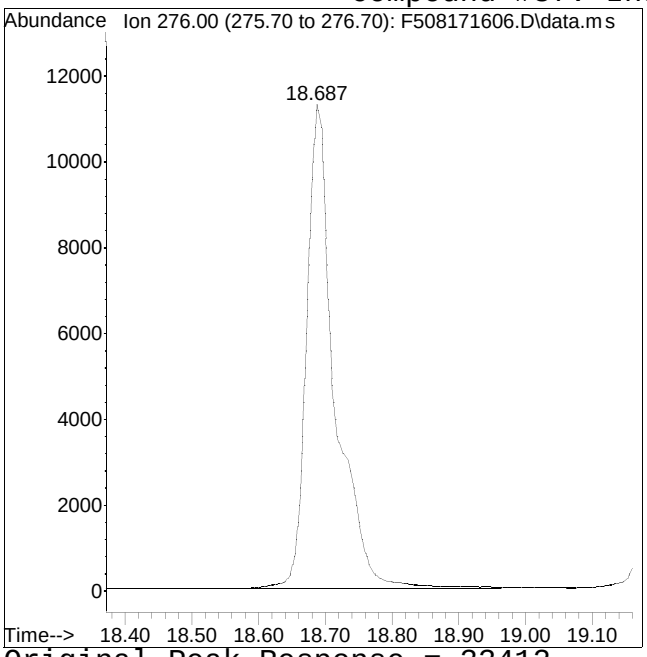
Manual Peak Response = 12009 M4

M4 = Poor automated baseline construction.

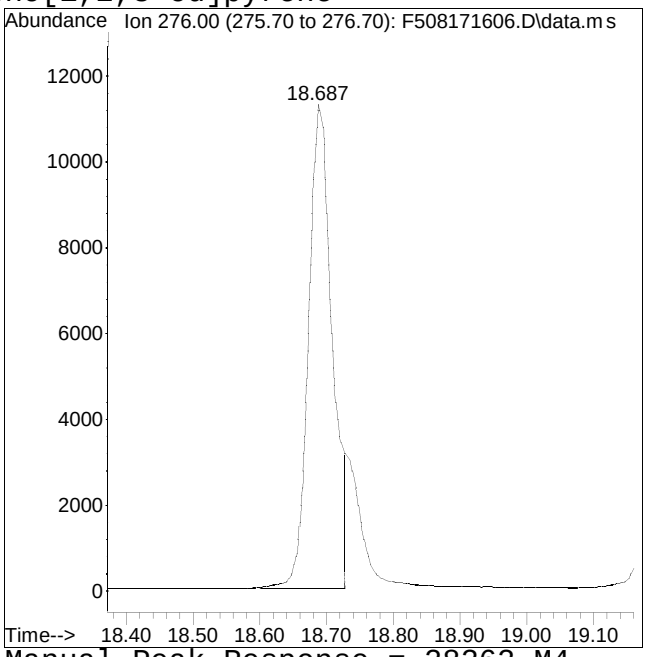
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH5\2016\ QMethod : PAH0817PAH5.M
Data File : F508171606.D Operator : PAH5:DP
Date Inj'd : 8/17/2016 3:56 pm Instrument : PAH 5
Sample : I508171603 Quant Date : 8/18/2016 11:43 am

Compound #37: Indeno[1,2,3-cd]pyrene



Original Peak Response = 33412



Manual Peak Response = 28262 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171607.D
Acq On : 17 Aug 2016 4:31 pm
Operator : PAH5:DP
Sample : I508171604
Misc : WG923960,MSAJ33
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 18 12:19:09 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 11:42:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.946	136	111595	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.682	164	55360	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.122	188	111638	500.000	ng/mL	0.00
24) Chrysene-d12	14.387	240	114579	500.000	ng/mL	0.00
29) Perylene-d12	16.817	264	112481	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.611	152	29223	241.514	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 4.83%#			
18) Fluoranthene-d10	12.375	212	50129	274.501	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 54.90%			
25) Pyrene-d10	12.643	212	45643	244.806	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 4.90%#			
30) Benzo(a)pyrene-d12	16.675	264	42309	318.285	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 63.66%			
31) Benzo[b]fluoranthene-d12	16.131	264	44698	272.027	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 5.44%#			
Target Compounds						Qvalue
2) Naphthalene	7.960	128	53366	239.774	ng/mL	100
3) 1,4-Dichlorobenzene	6.693	146	25797	228.271	ng/mL	96
5) 2-Methylnaphthalene	8.640	142	30671	237.870	ng/mL	98
6) 1-Methylnaphthalene	8.746	142	34447	246.651	ng/mL	96
8) Dibenzothiophene	11.028	184	60994	264.336	ng/mL#	95
9) 2-Chloronaphthalene	9.121	162	39405	249.371	ng/mL	97
10) Biphenyl	9.107	154	43972	244.287	ng/mL	99
11) 2,6-Dimethylnaphthalene	9.263	156	30713	251.040	ng/mL	97
12) Acenaphthylene	9.532	152	57879	286.004	ng/mL	99
13) Acenaphthene	9.713	153	35377	246.630	ng/mL	100
14) Dibenzofuran	9.871	168	51494	245.916	ng/mL#	88
15) Fluorene	10.209	166	40239	261.500	ng/mL	99
16) 2,3,5-Trimethylnaphthalen	10.091	170	27782M4	255.816	ng/mL	
19) Phenanthrene	11.146	178	60237	240.168	ng/mL	100
20) Anthracene	11.185	178	58163	282.742	ng/mL	99
21) Carbazole	11.351	167	57830	280.090	ng/mL#	81
22) 1-Methylphenanthrene	11.768	192	42441	262.483	ng/mL	100
23) Fluoranthene	12.390	202	66952	269.162	ng/mL	97
26) Pyrene	12.659	202	72310	242.548	ng/mL	96
27) Benz[a]anthracene	14.363	228	62676	294.546	ng/mL	99
28) Chrysene	14.426	228	62154	236.065	ng/mL	100

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171607.D
Acq On : 17 Aug 2016 4:31 pm
Operator : PAH5:DP
Sample : I508171604
Misc : WG923960,MSAJ33
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 18 12:19:09 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 11:42:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo[b]fluoranthene	16.170	252	72128	288.533	ng/mL	99
33) Benzo[k]fluoranthene	16.210	252	56871	246.564	ng/mL	100
34) Benzo[e]pyrene	16.636	252	61782	275.748	ng/mL	98
35) Benzo[a]pyrene	16.715	252	62222	283.329	ng/mL	99
36) Perylene	16.857	252	65456	241.118	ng/mL	99
37) Indeno[1,2,3-cd]pyrene	18.687	276	64627M4	446.125	ng/mL	
38) Dibenz[a,h]anthracene	18.735	278	63916	316.586	ng/mL	92
39) Benzo[g,h,i]perylene	19.208	276	65559	296.701	ng/mL#	68

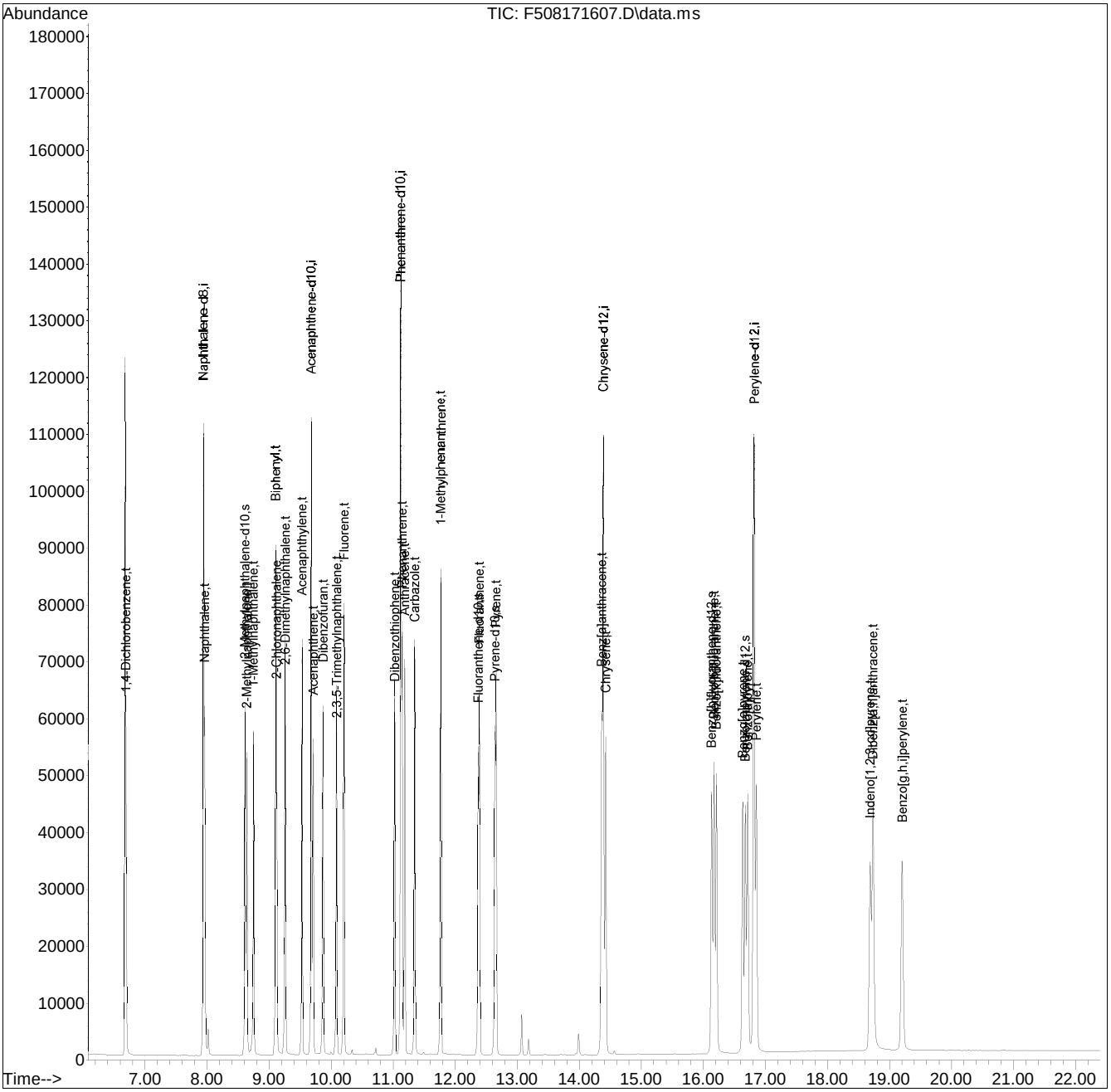
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171607.D
Acq On : 17 Aug 2016 4:31 pm
Operator : PAH5:DP
Sample : I508171604
Misc : WG923960,MSAJ33
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 18 12:19:09 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 11:42:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

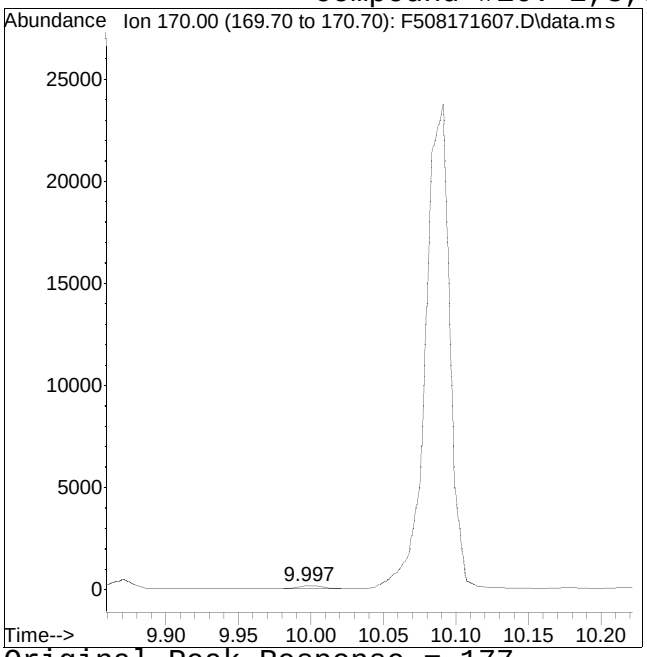


Manual Integration/Negative Proof Report

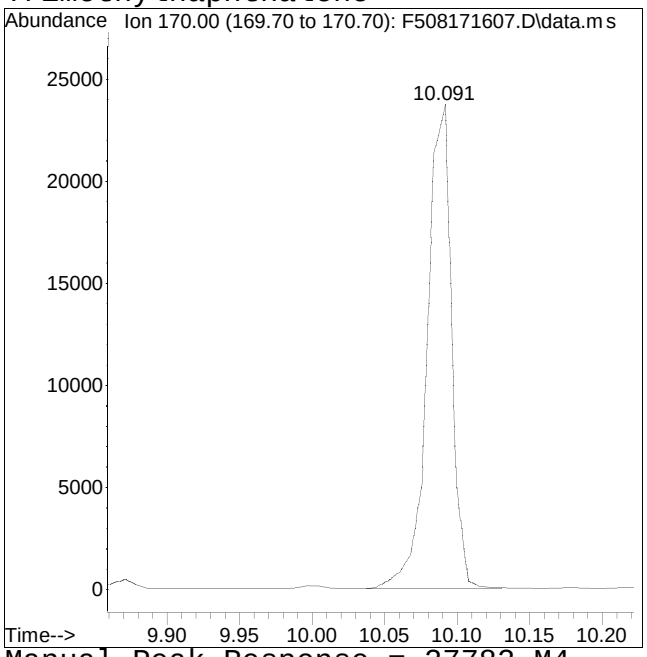
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F508171607.D
Date Inj'd : 8/17/2016 4:31 pm
Sample : I508171604

QMethod : PAH0817PAH5.M
Operator : PAH5:DP
Instrument : PAH 5
Quant Date : 8/18/2016 11:51 am

Compound #16: 2,3,5-Trimethylnaphthalene



Original Peak Response = 177



Manual Peak Response = 27782 M4

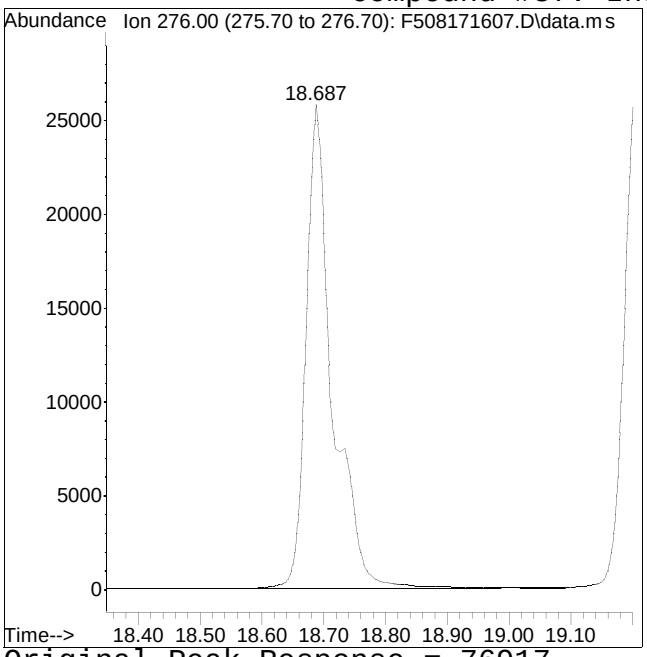
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

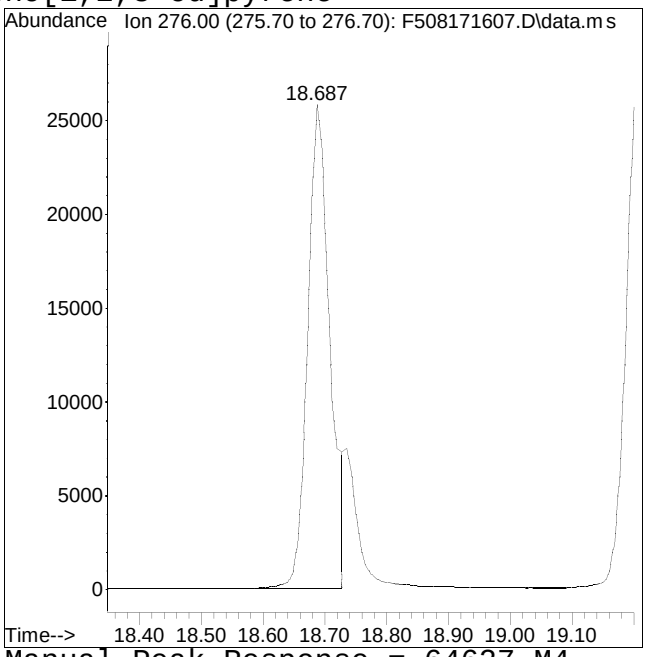
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F508171607.D
Date Inj'd : 8/17/2016 4:31 pm
Sample : I508171604

QMethod : PAH0817PAH5.M
Operator : PAH5:DP
Instrument : PAH 5
Quant Date : 8/18/2016 11:51 am

Compound #37: Indeno[1,2,3-cd]pyrene



Original Peak Response = 76917



Manual Peak Response = 64627 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171608.D
Acq On : 17 Aug 2016 5:07 pm
Operator : PAH5:DP
Sample : I508171605
Misc : WG923960,MSAJ95
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 11:42:28 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 11:12:48 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.946	136	124522	500.000	ng/mL	-0.01
7) Acenaphthene-d10	9.682	164	61546	500.000	ng/mL	-0.02
17) Phenanthrene-d10	11.122	188	124984	500.000	ng/mL	-0.02
24) Chrysene-d12	14.387	240	127324	500.000	ng/mL	-0.02
29) Perylene-d12	16.817	264	127129	500.000	ng/mL	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.611	152	67962	503.364	ng/mL	-0.01
Spiked Amount 5000.000	Range 30 - 150		Recovery = 10.07%#			
18) Fluoranthene-d10	12.375	212	115823	566.510	ng/mL	-0.02
Spiked Amount 500.000	Range 30 - 150		Recovery = 113.30%			
25) Pyrene-d10	12.643	212	107209	517.456	ng/mL	-0.02
Spiked Amount 5000.000	Range 50 - 150		Recovery = 10.35%#			
30) Benzo(a)pyrene-d12	16.675	264	97494	648.928	ng/mL	-0.03
Spiked Amount 500.000	Range 30 - 150		Recovery = 129.79%			
31) Benzo[b]fluoranthene-d12	16.131	264	105155	566.223	ng/mL	-0.03
Spiked Amount 5000.000	Range 50 - 150		Recovery = 11.32%#			
Target Compounds						Qvalue
2) Naphthalene	7.960	128	123789	498.447	ng/mL	100
3) 1,4-Dichlorobenzene	6.693	146	61016	483.865	ng/mL	97
5) 2-Methylnaphthalene	8.640	142	72107	501.174	ng/mL	99
6) 1-Methylnaphthalene	8.746	142	79640	511.047	ng/mL	96
8) Dibenzothiophene	11.028	184	143035	557.582	ng/mL	99
9) 2-Chloronaphthalene	9.121	162	93245	530.782	ng/mL	98
10) Biphenyl	9.107	154	102482	512.117	ng/mL	99
11) 2,6-Dimethylnaphthalene	9.262	156	72765	534.983	ng/mL	97
12) Acenaphthylene	9.532	152	136490	606.664	ng/mL	99
13) Acenaphthene	9.713	153	81226	509.351	ng/mL	100
14) Dibenzofuran	9.871	168	119506	513.353	ng/mL#	81
15) Fluorene	10.209	166	93166	544.601	ng/mL	100
16) 2,3,5-Trimethylnaphthalen	10.091	170	64365M4	533.101	ng/mL	
19) Phenanthrene	11.146	178	139446	496.610	ng/mL	100
20) Anthracene	11.185	178	135677	589.125	ng/mL	99
21) Carbazole	11.343	167	133987	579.649	ng/mL	97
22) 1-Methylphenanthrene	11.768	192	100027	552.574	ng/mL	100
23) Fluoranthene	12.390	202	155685	559.054	ng/mL	98
26) Pyrene	12.659	202	169610	511.971	ng/mL	97
27) Benz[a]anthracene	14.363	228	147346	623.138	ng/mL	99
28) Chrysene	14.426	228	143098	489.093	ng/mL	100

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171608.D
Acq On : 17 Aug 2016 5:07 pm
Operator : PAH5:DP
Sample : I508171605
Misc : WG923960,MSAJ95
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 11:42:28 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 11:12:48 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo[b]fluoranthene	16.170	252	167091	591.397	ng/mL	100
33) Benzo[k]fluoranthene	16.209	252	136444	523.392	ng/mL	100
34) Benzo[e]pyrene	16.636	252	144641	571.185	ng/mL	99
35) Benzo[a]pyrene	16.714	252	146925	591.939	ng/mL	100
36) Perylene	16.856	252	152566	497.247	ng/mL	100
37) Indeno[1,2,3-cd]pyrene	18.695	276	151141M4	923.122	ng/mL	
38) Dibenz[a,h]anthracene	18.734	278	148969	652.849	ng/mL	93
39) Benzo[g,h,i]perylene	19.208	276	154089	617.012	ng/mL#	68

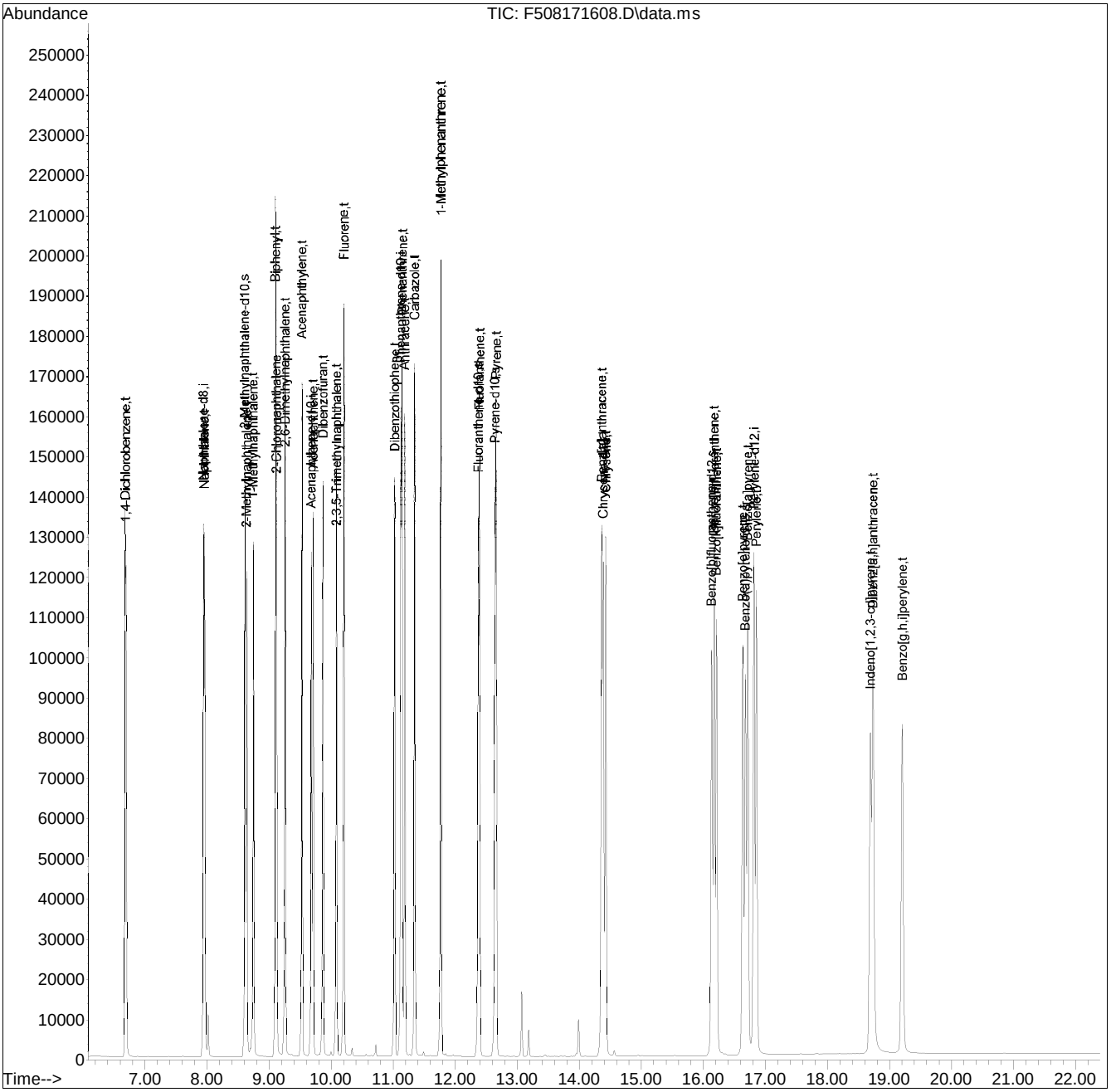
(#) = qualifier out of range (m) = manual integration (+) = signals summed

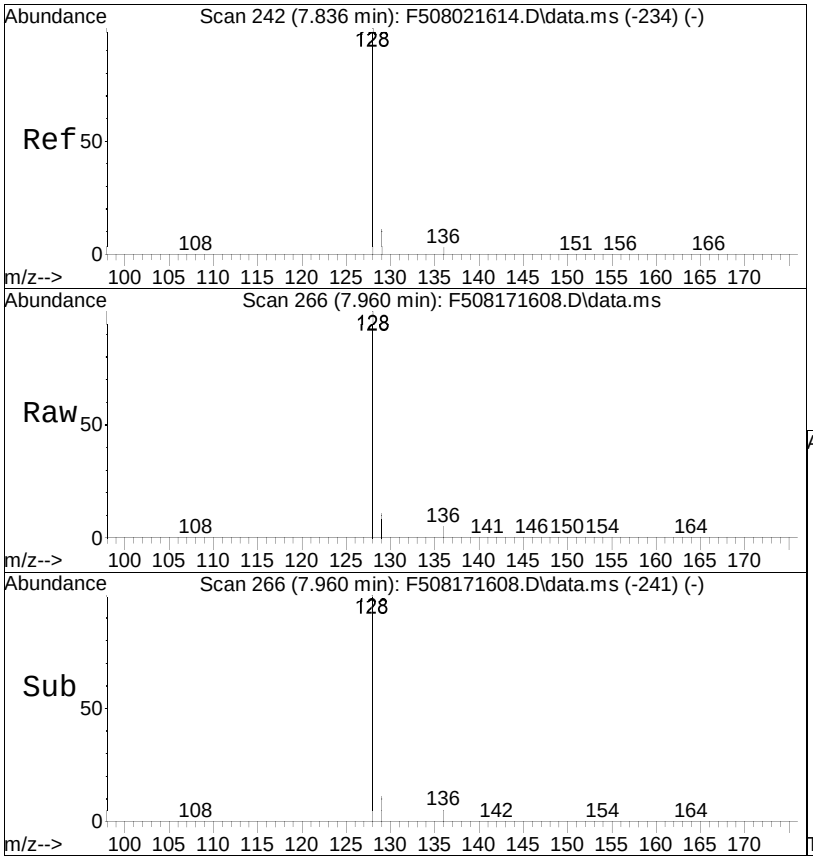
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171608.D
Acq On : 17 Aug 2016 5:07 pm
Operator : PAH5:DP
Sample : I508171605
Misc : WG923960,MSAJ95
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 11:42:28 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 11:12:48 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

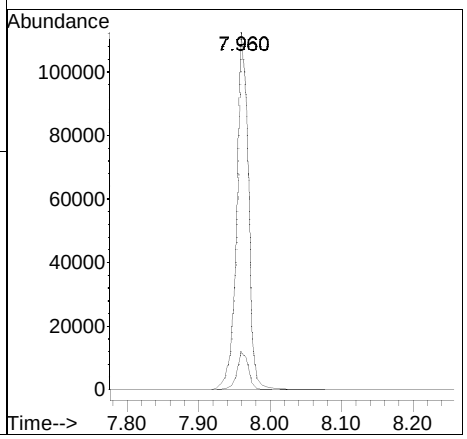


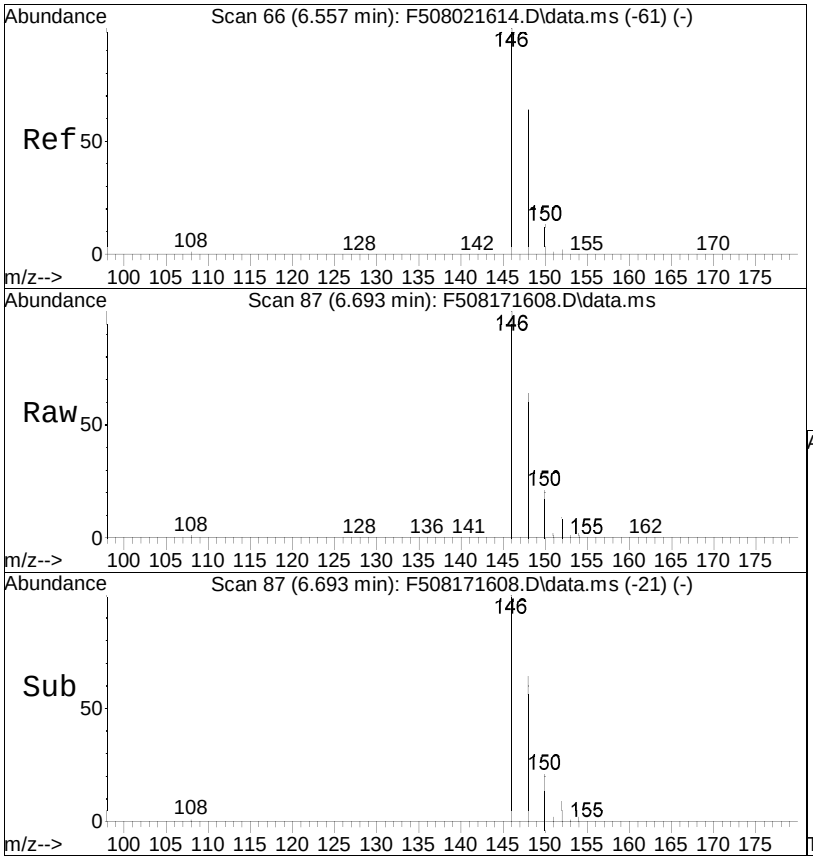


#2
Naphthalene
Concen: 498.45 ng/mL
RT: 7.960 min Scan# 266
Delta R.T. -0.021 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:128 Resp: 123789

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.6	13.0

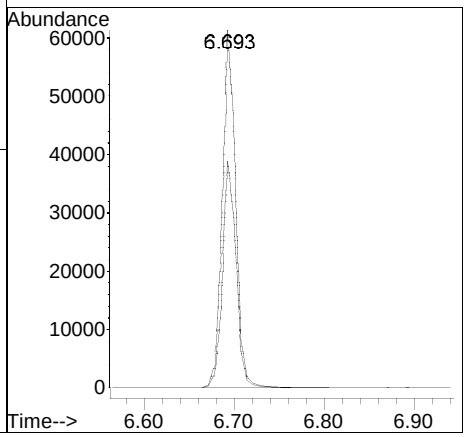


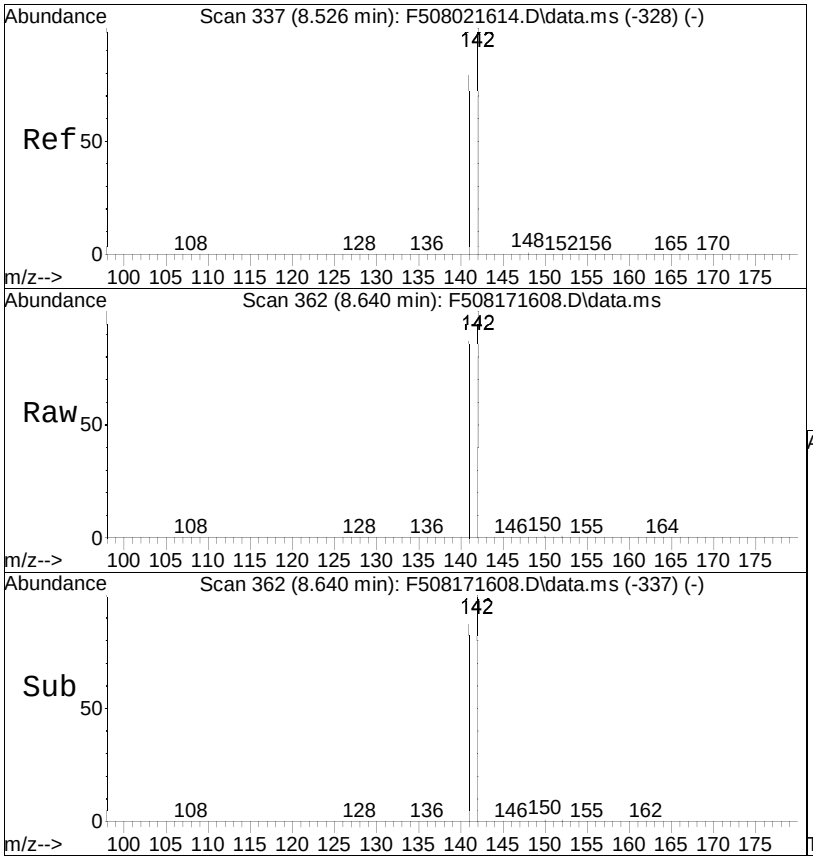


#3
1,4-Dichlorobenzene
Concen: 483.87 ng/mL
RT: 6.693 min Scan# 87
Delta R.T. -0.035 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:146 Resp: 61016

Ion	Ratio	Lower	Upper
146	100		
148	65.2	50.2	75.4

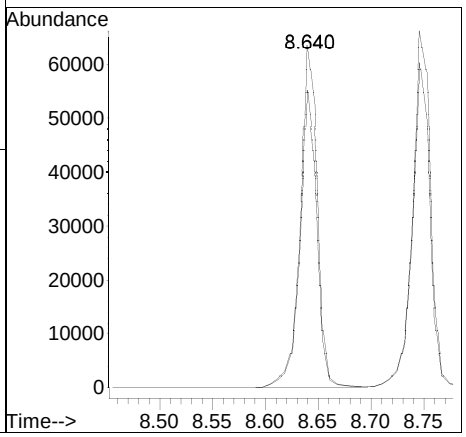


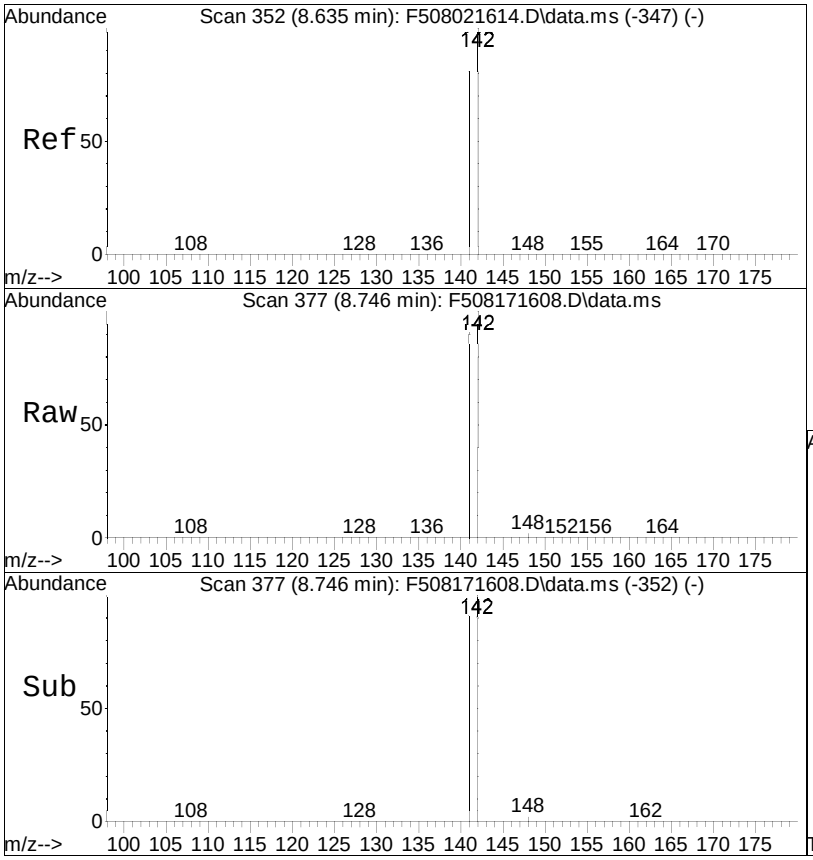


#5
2-Methylnaphthalene
Concen: 501.17 ng/mL
RT: 8.640 min Scan# 362
Delta R.T. -0.021 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:142 Resp: 72107

Ion	Ratio	Lower	Upper
142	100		
141	86.8	68.5	102.7

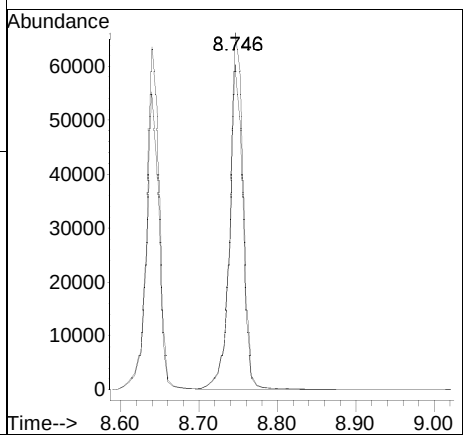


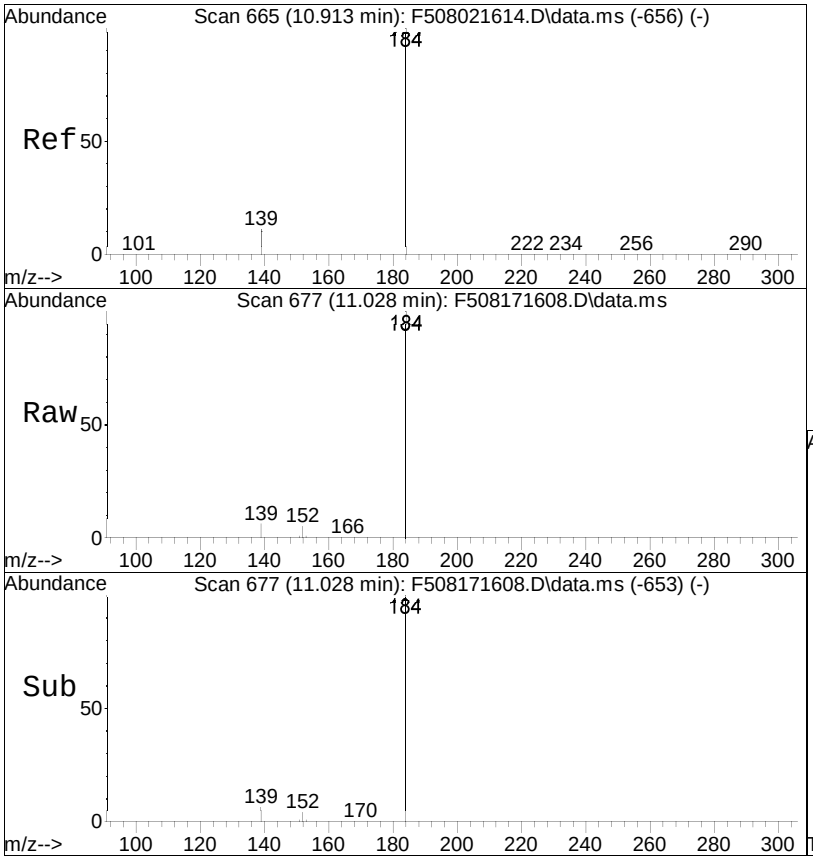


#6
1-Methylnaphthalene
Concen: 511.05 ng/mL
RT: 8.746 min Scan# 377
Delta R.T. -0.021 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:142 Resp: 79640

Ion	Ratio	Lower	Upper
142	100		
141	91.2	69.9	104.9

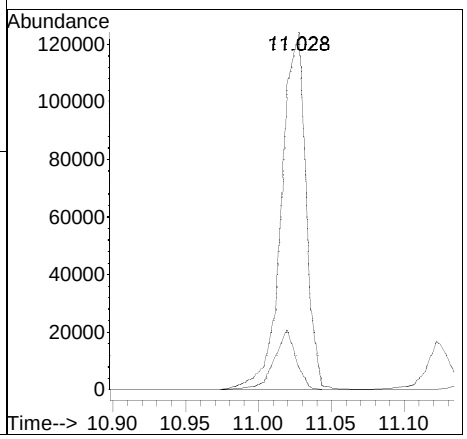


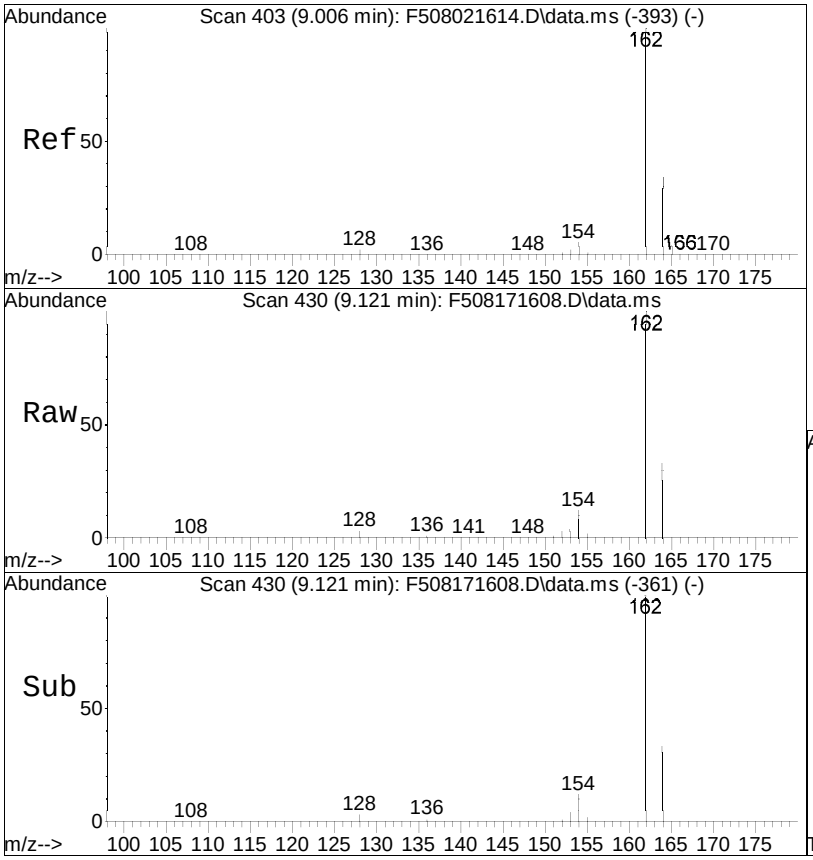


#8
Dibenzothiophene
Concen: 557.58 ng/mL
RT: 11.028 min Scan# 677
Delta R.T. -0.016 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:184 Resp: 143035

Ion	Ratio	Lower	Upper
184	100		
139	6.5	5.5	8.3

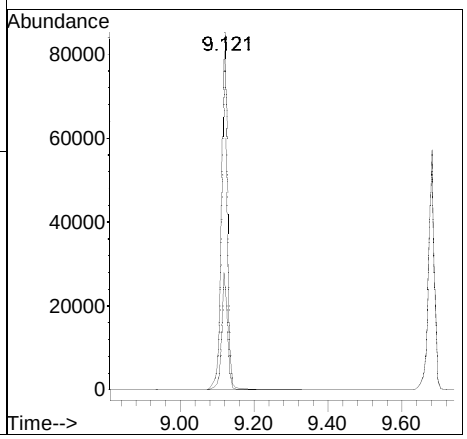


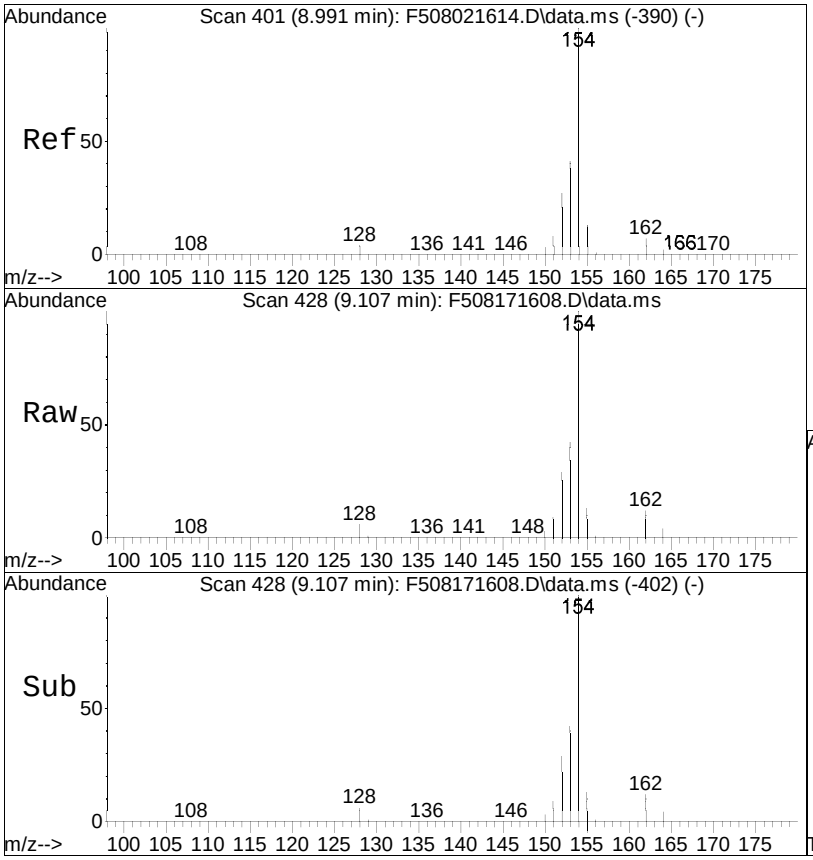


#9
2-Chloronaphthalene
Concen: 530.78 ng/mL
RT: 9.121 min Scan# 430
Delta R.T. -0.014 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:162 Resp: 93245

Ion	Ratio	Lower	Upper
162	100		
164	32.8	25.5	38.3

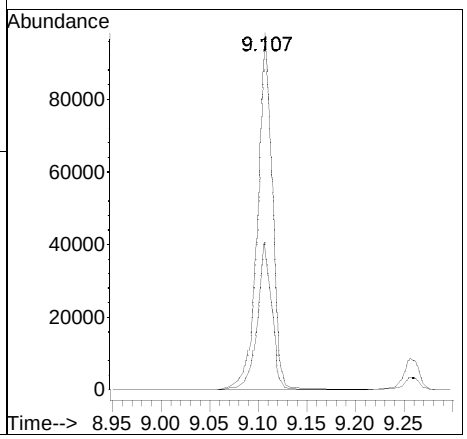


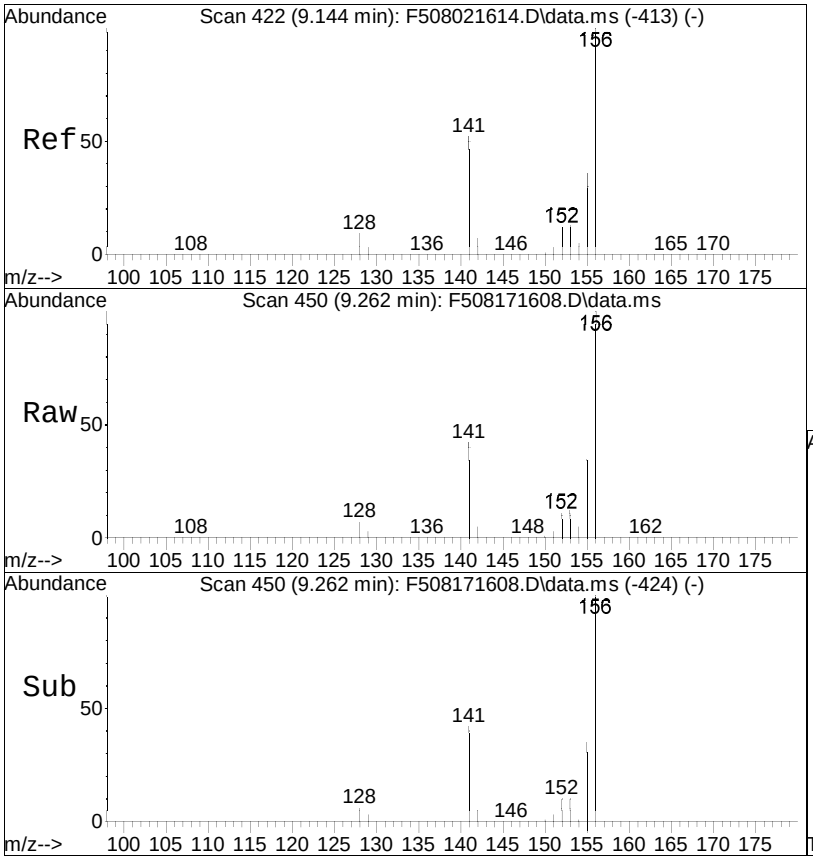


#10
Biphenyl
Concen: 512.12 ng/mL
RT: 9.107 min Scan# 428
Delta R.T. -0.014 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:154 Resp: 102482

Ion	Ratio	Lower	Upper
154	100		
153	41.5	33.8	50.6

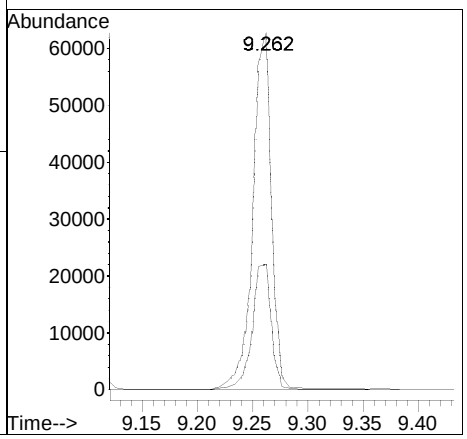


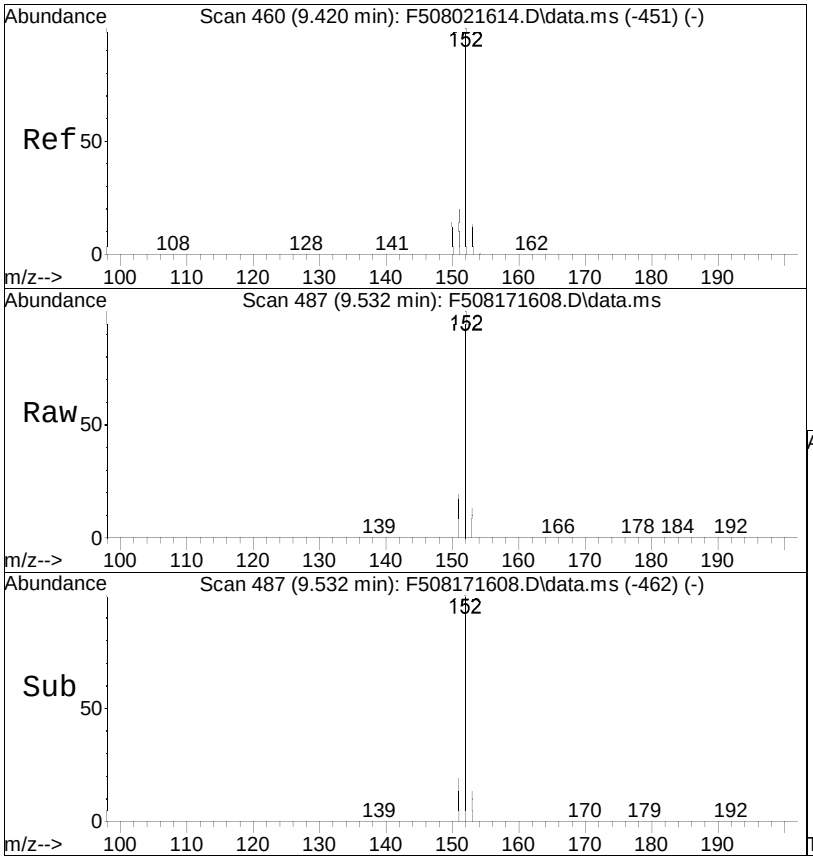


#11
2,6-Dimethylnaphthalene
Concen: 534.98 ng/mL
RT: 9.262 min Scan# 450
Delta R.T. -0.014 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:156 Resp: 72765

Ion	Ratio	Lower	Upper
156	100		
155	35.2	29.8	44.6

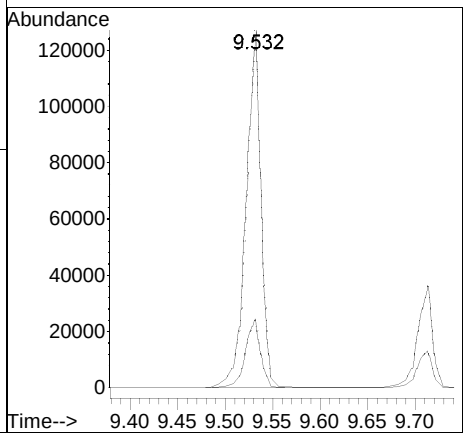


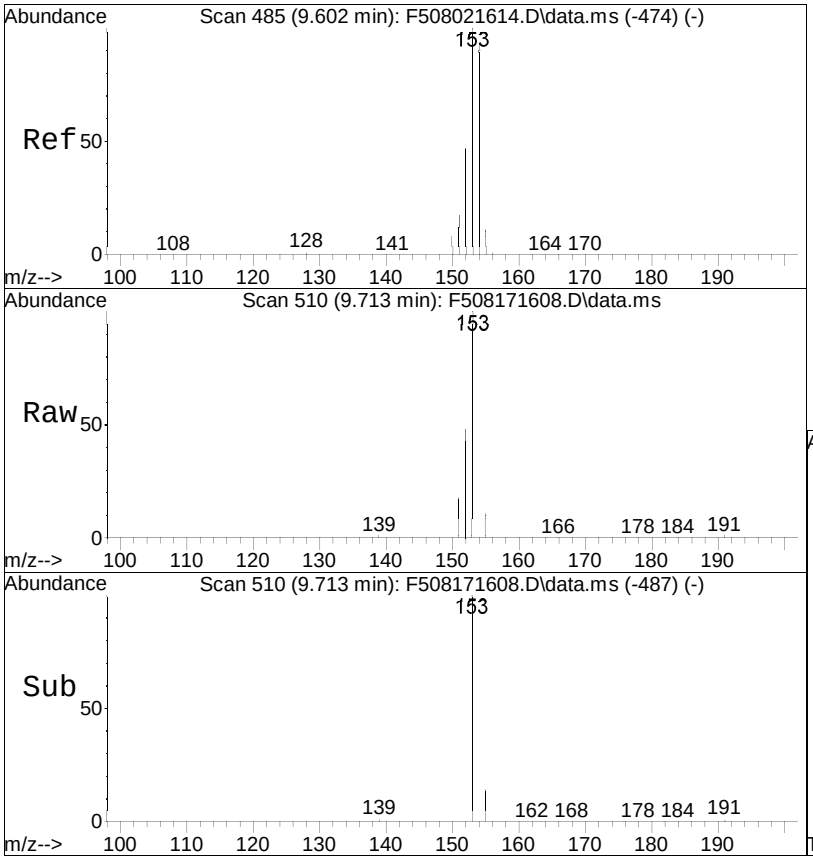


#12
Acenaphthylene
Concen: 606.66 ng/mL
RT: 9.532 min Scan# 487
Delta R.T. -0.016 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:152 Resp: 136490

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.9	23.9

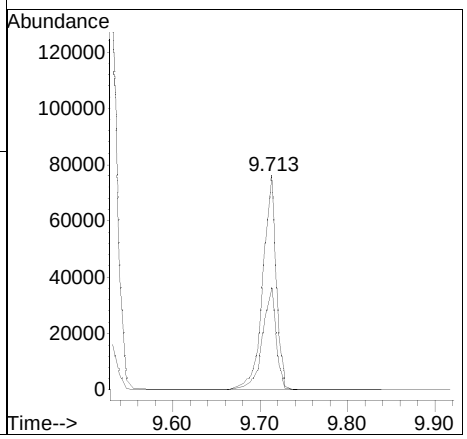


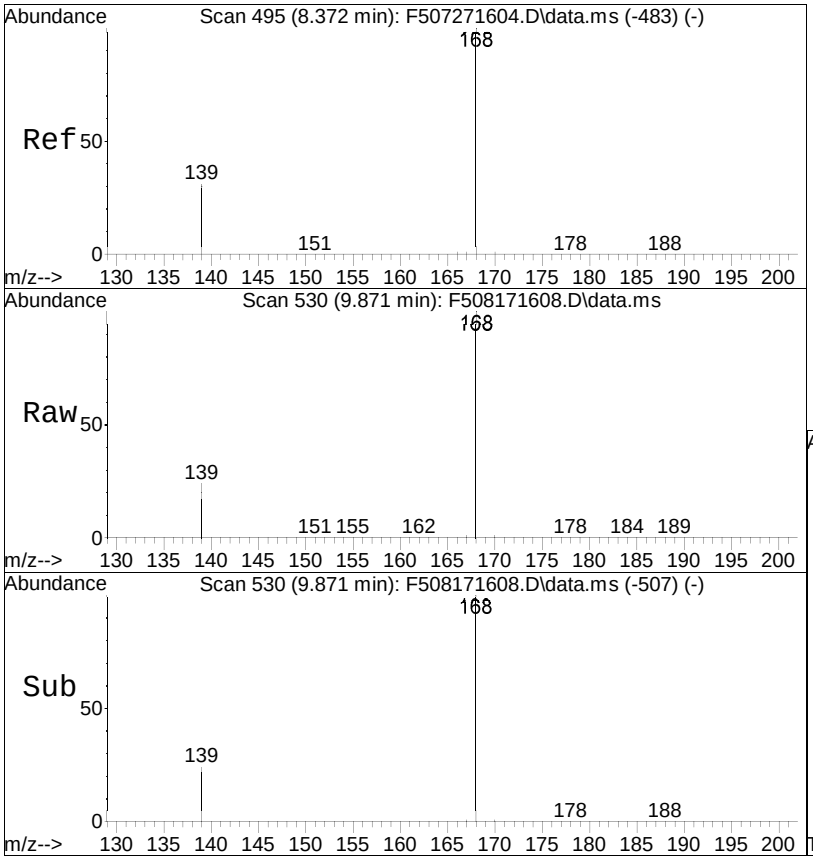


#13
Acenaphthene
Concen: 509.35 ng/mL
RT: 9.713 min Scan# 510
Delta R.T. -0.016 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:153 Resp: 81226

Ion	Ratio	Lower	Upper
153	100		
152	47.6	38.0	57.0

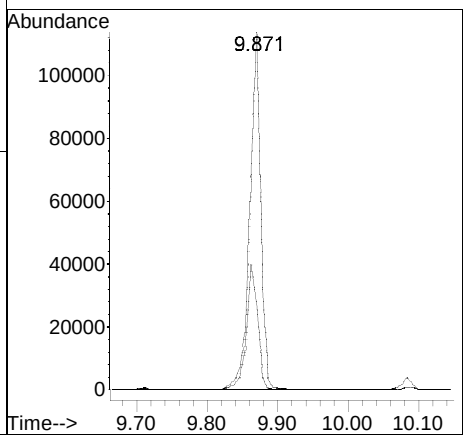


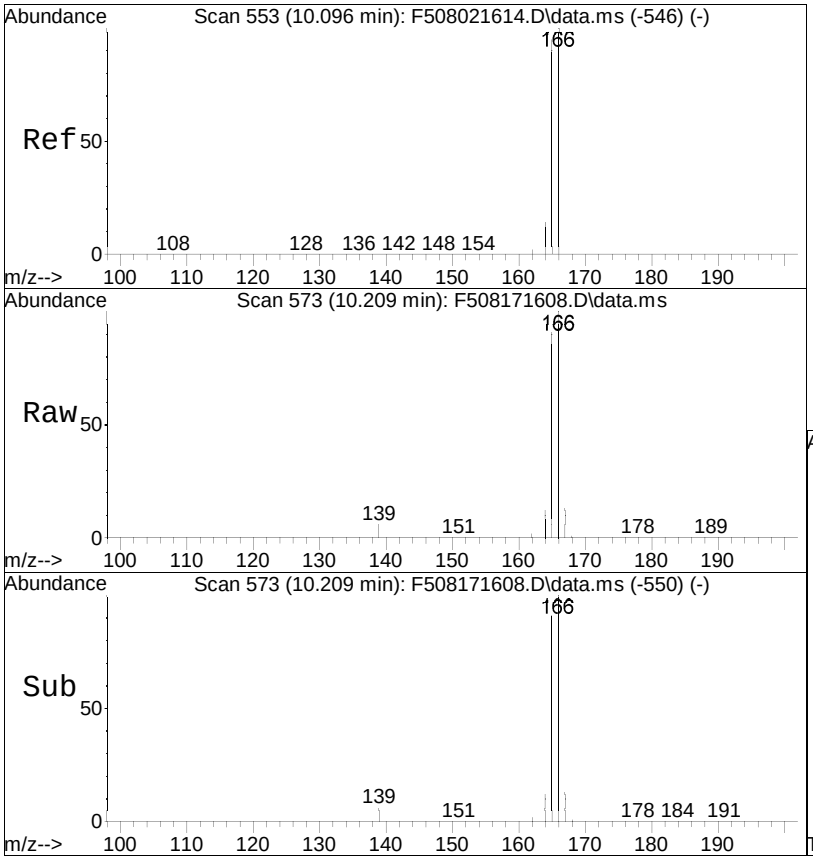


#14
Dibenzofuran
Concen: 513.35 ng/mL
RT: 9.871 min Scan# 530
Delta R.T. -0.016 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:168 Resp: 119506

Ion	Ratio	Lower	Upper
168	100		
139	23.6	27.8	41.8#

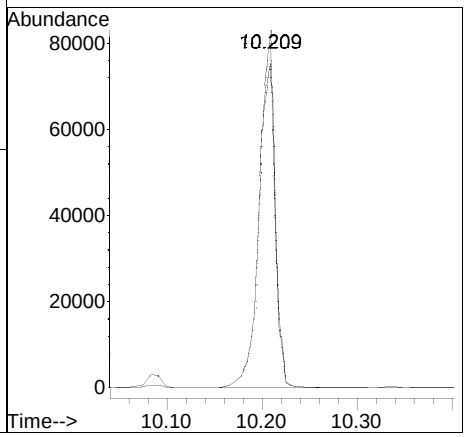


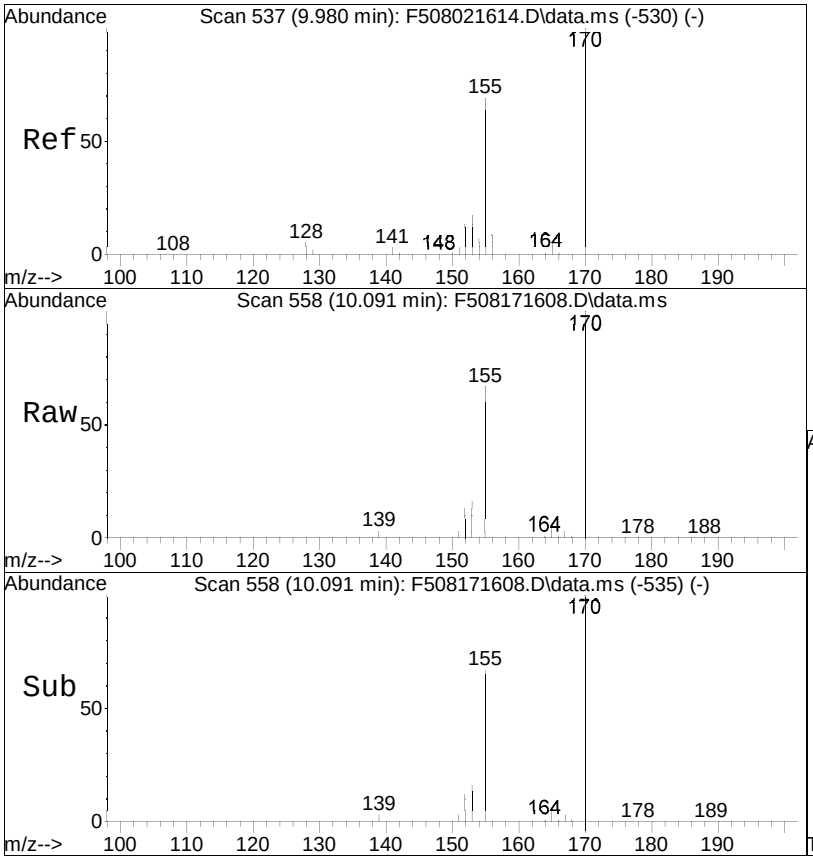


#15
Fluorene
Concen: 544.60 ng/mL
RT: 10.209 min Scan# 573
Delta R.T. -0.016 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:166 Resp: 93166

Ion	Ratio	Lower	Upper
166	100		
165	91.0	72.8	109.2

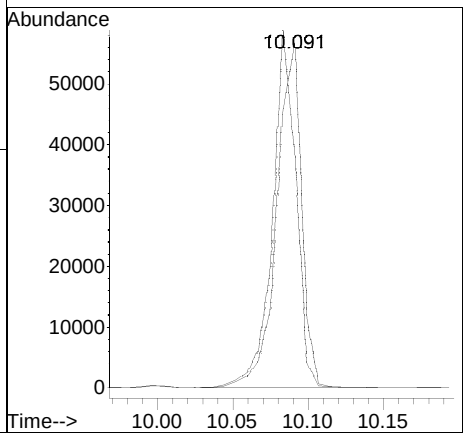


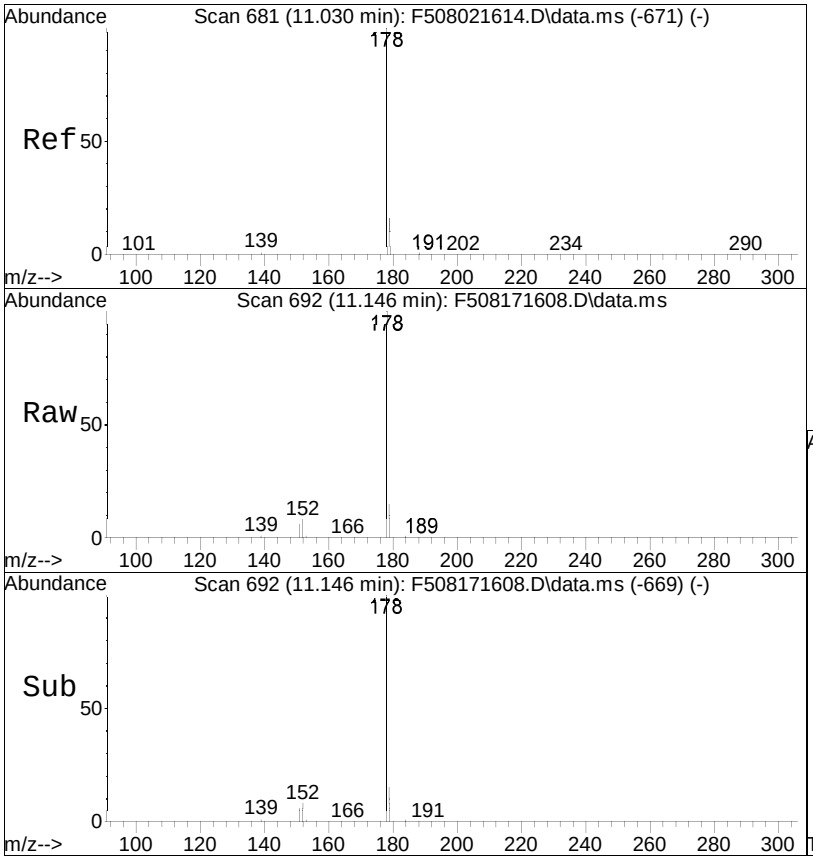


#16
2,3,5-Trimethylnaphthalene
Concen: 533.10 ng/mL M4
RT: 10.091 min Scan# 558
Delta R.T. -0.016 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:170 Resp: 64365

Ion	Ratio	Lower	Upper
170	100		
155	67.1	83.2	124.8#

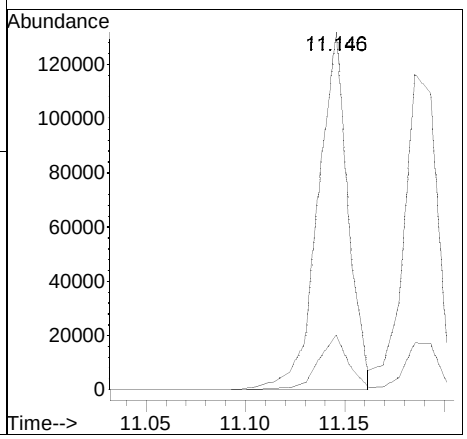


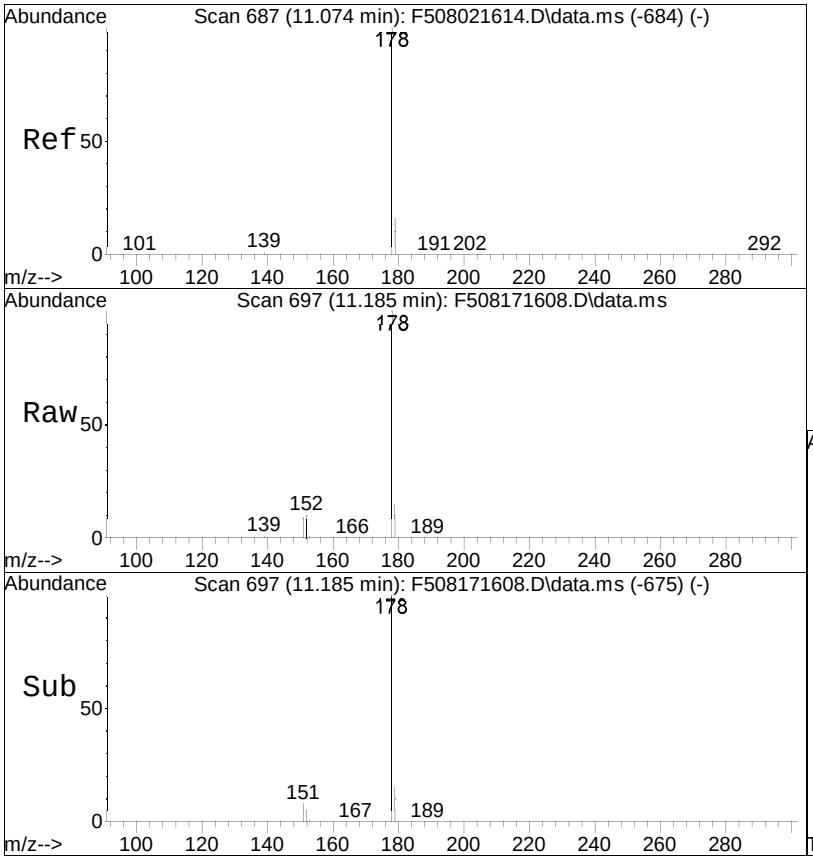


#19
Phenanthrene
Concen: 496.61 ng/mL
RT: 11.146 min Scan# 692
Delta R.T. -0.016 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:178 Resp: 139446

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.3	18.5

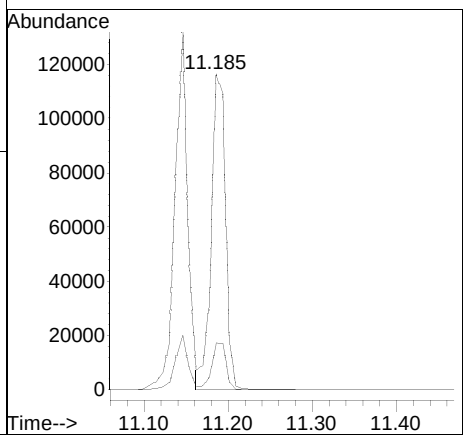


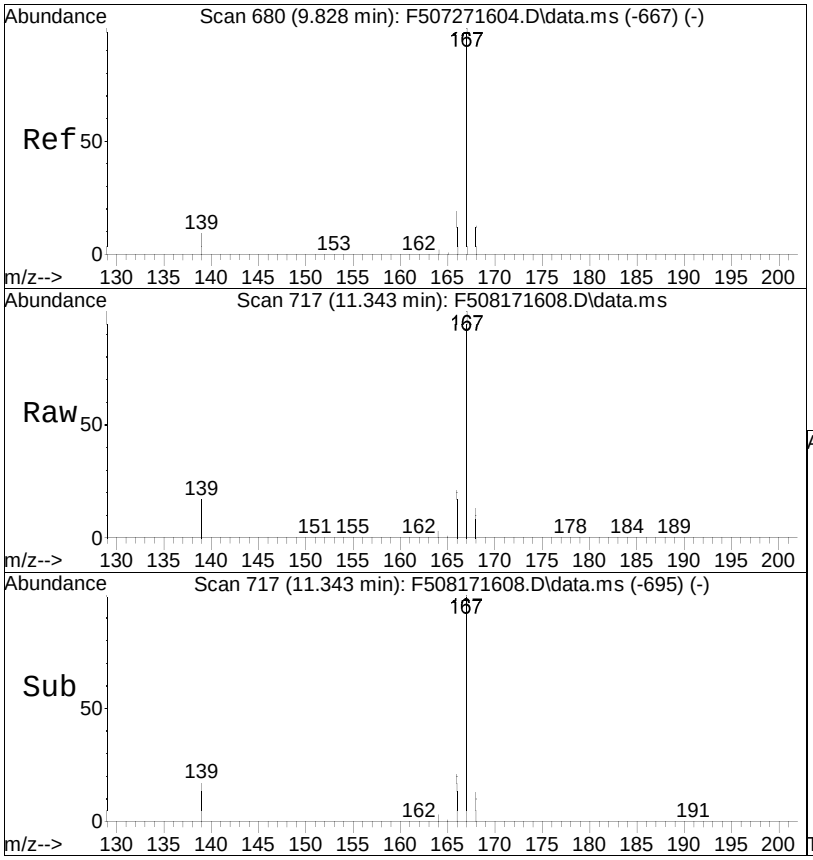


#20
Anthracene
Concen: 589.12 ng/mL
RT: 11.185 min Scan# 697
Delta R.T. -0.024 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:178 Resp: 135677

Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.1	18.1

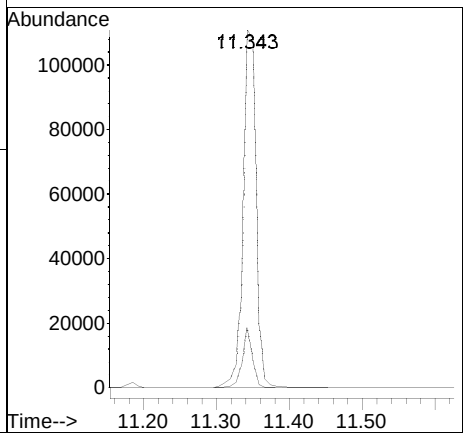


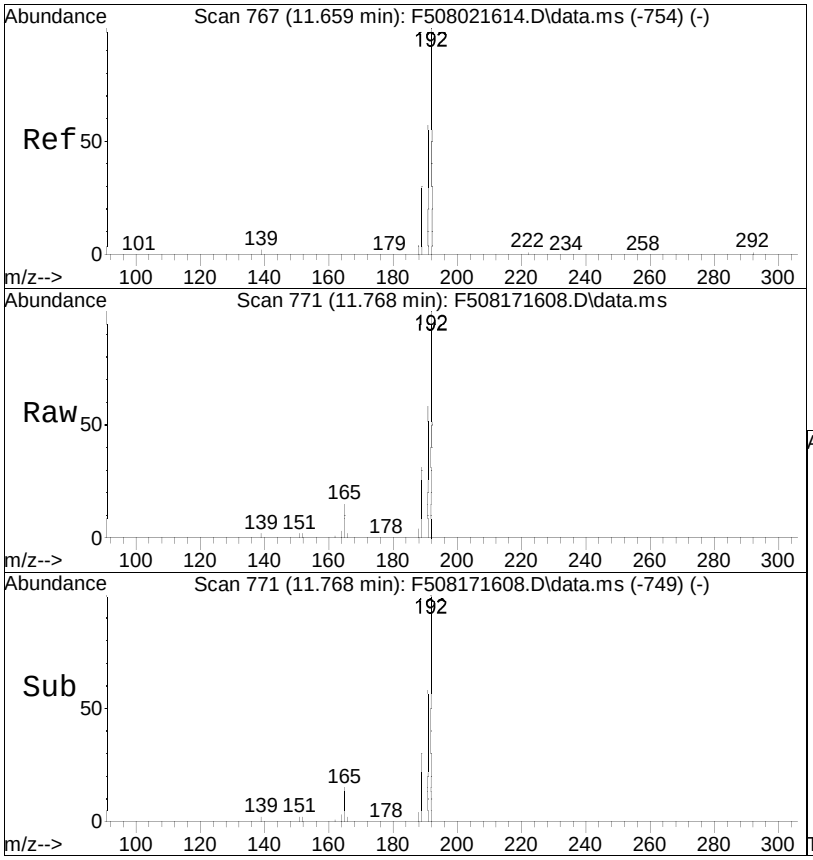


#21
Carbazole
Concen: 579.65 ng/mL
RT: 11.343 min Scan# 717
Delta R.T. -0.024 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:167 Resp: 133987

Ion	Ratio	Lower	Upper
167	100		
139	16.9	12.6	19.0

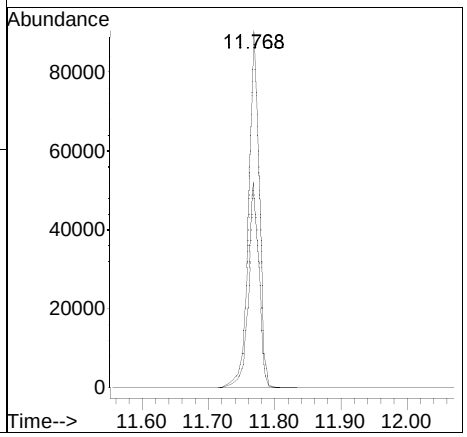


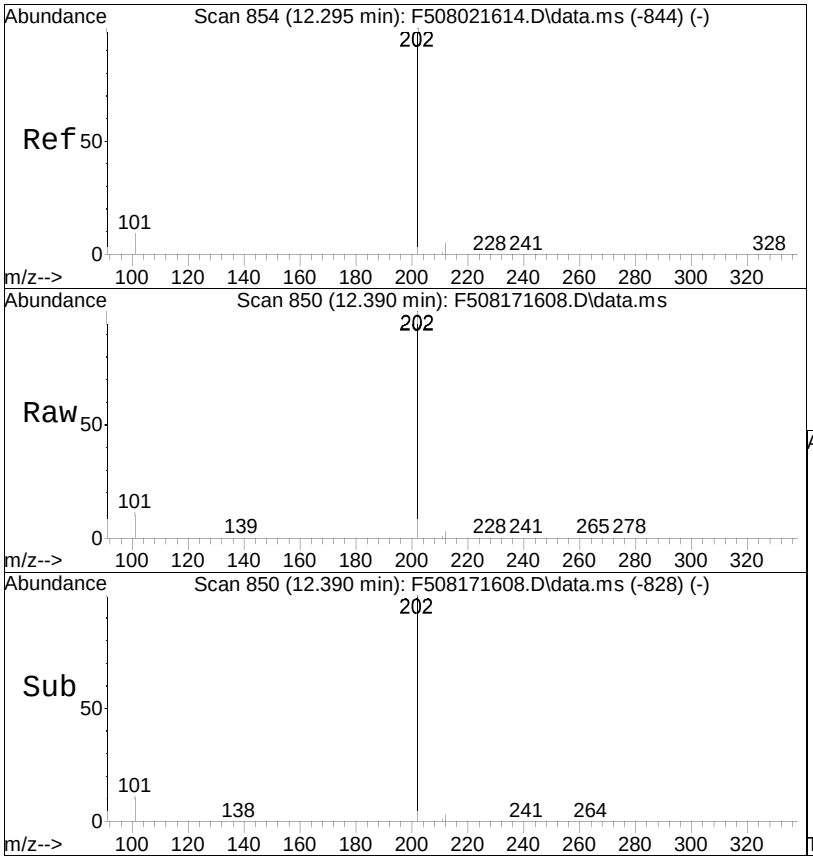


#22
1-Methylphenanthrene
Concen: 552.57 ng/mL
RT: 11.768 min Scan# 771
Delta R.T. -0.024 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:192 Resp: 100027

Ion	Ratio	Lower	Upper
192	100		
191	57.7	46.2	69.4

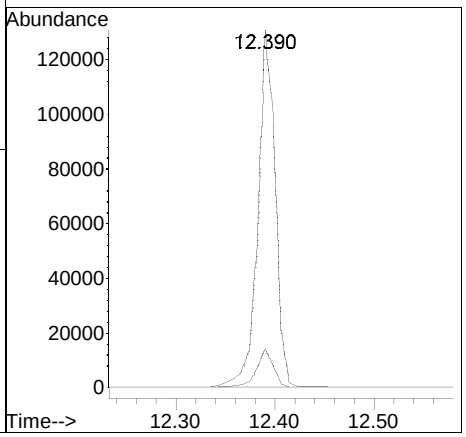


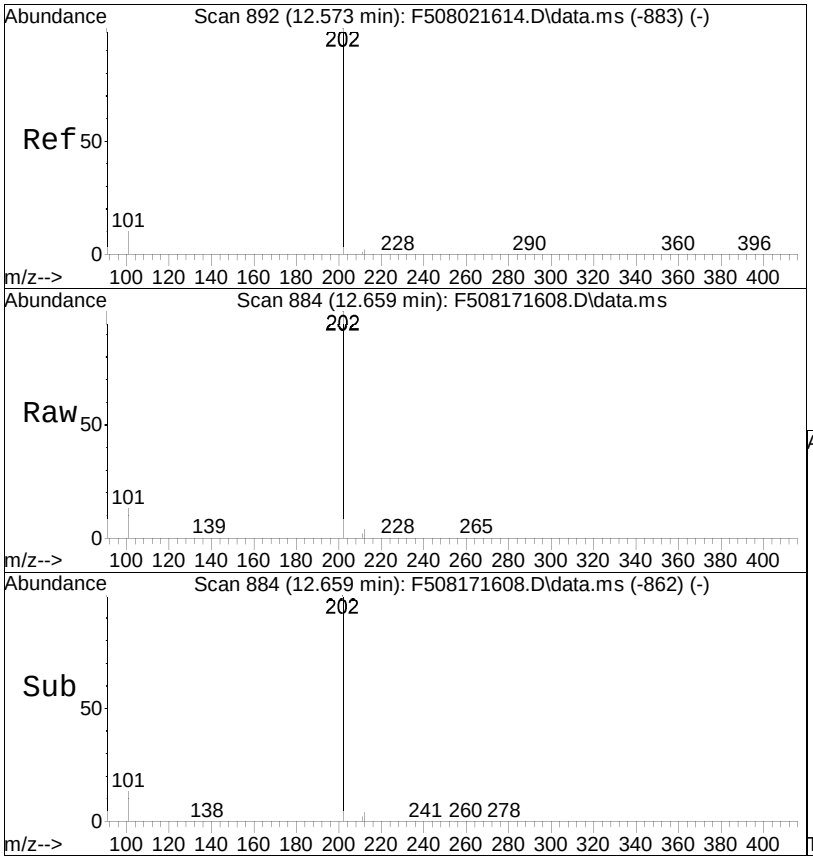


#23
Fluoranthene
Concen: 559.05 ng/mL
RT: 12.390 min Scan# 850
Delta R.T. -0.024 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:202 Resp: 155685

Ion	Ratio	Lower	Upper
202	100		
101	11.1	9.6	14.4

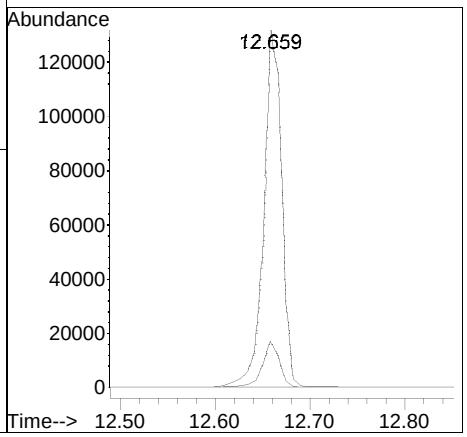


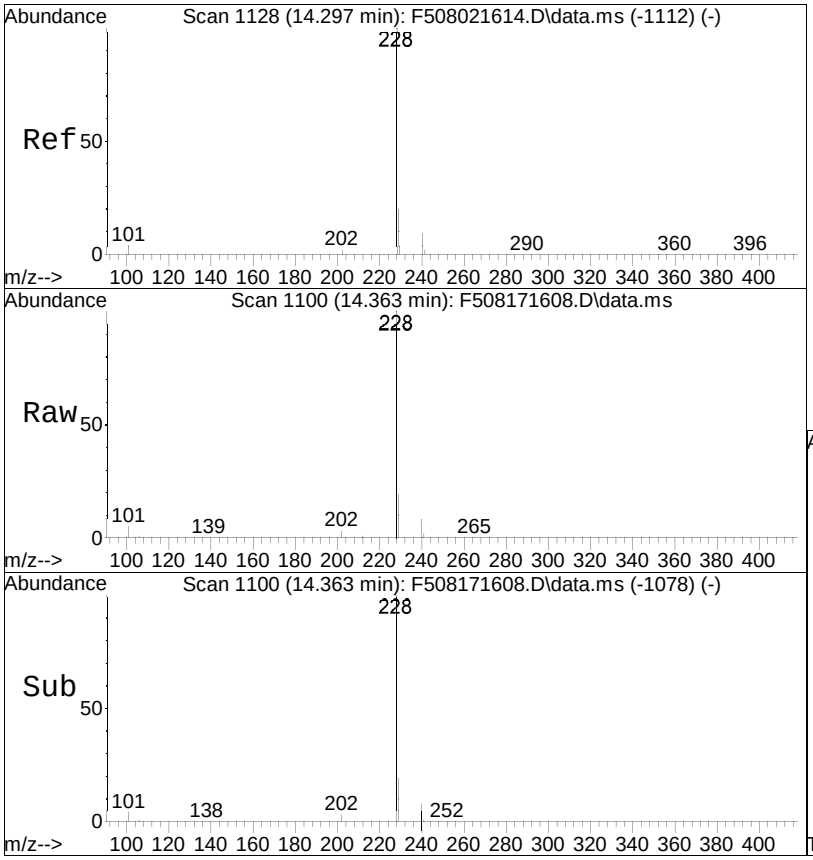


#26
Pyrene
Concen: 511.97 ng/mL
RT: 12.659 min Scan# 884
Delta R.T. -0.024 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:202 Resp: 169610

Ion	Ratio	Lower	Upper
202	100		
101	13.1	11.4	17.0

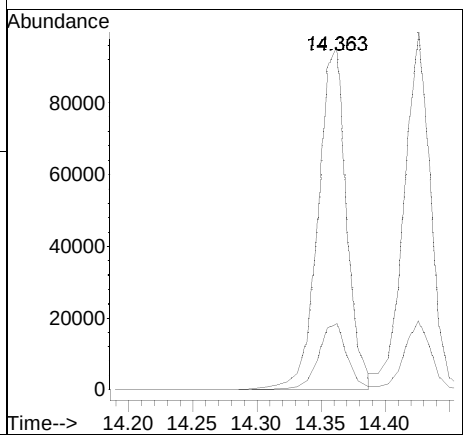


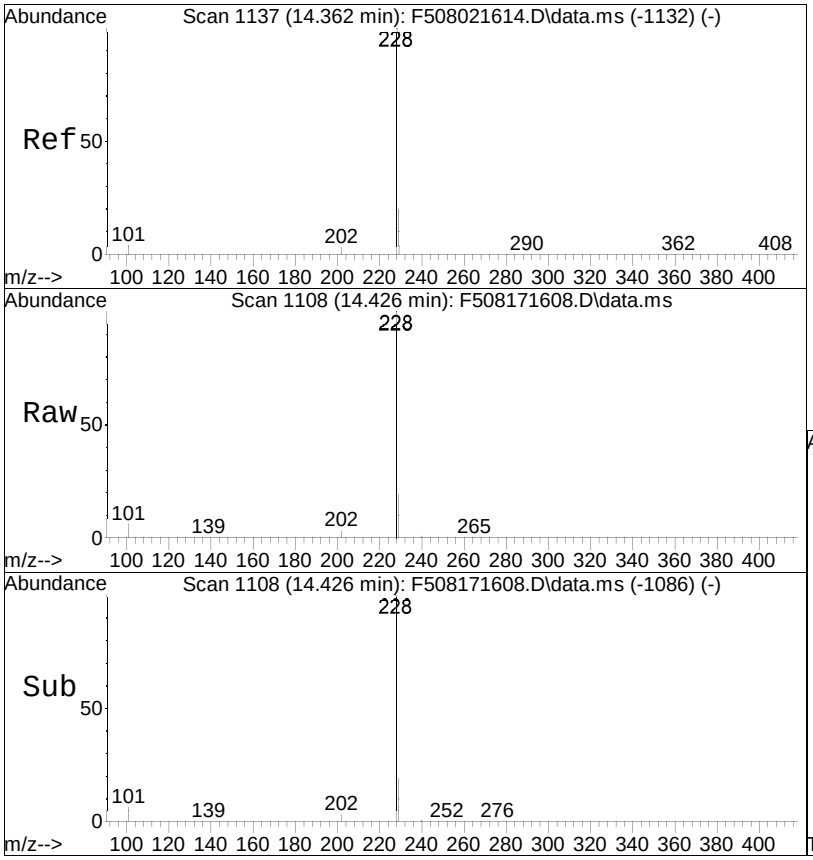


#27
Benz[a]anthracene
Concen: 623.14 ng/mL
RT: 14.363 min Scan# 1100
Delta R.T. -0.024 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:228 Resp: 147346

Ion	Ratio	Lower	Upper
228	100		
229	19.4	15.4	23.0

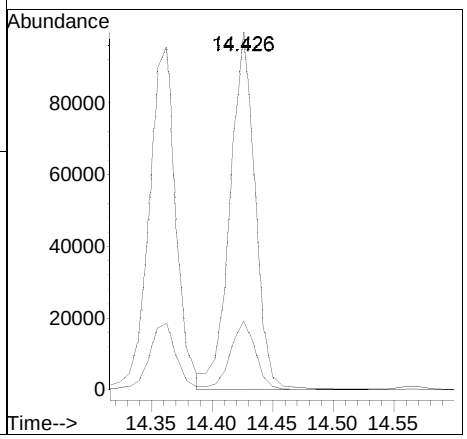


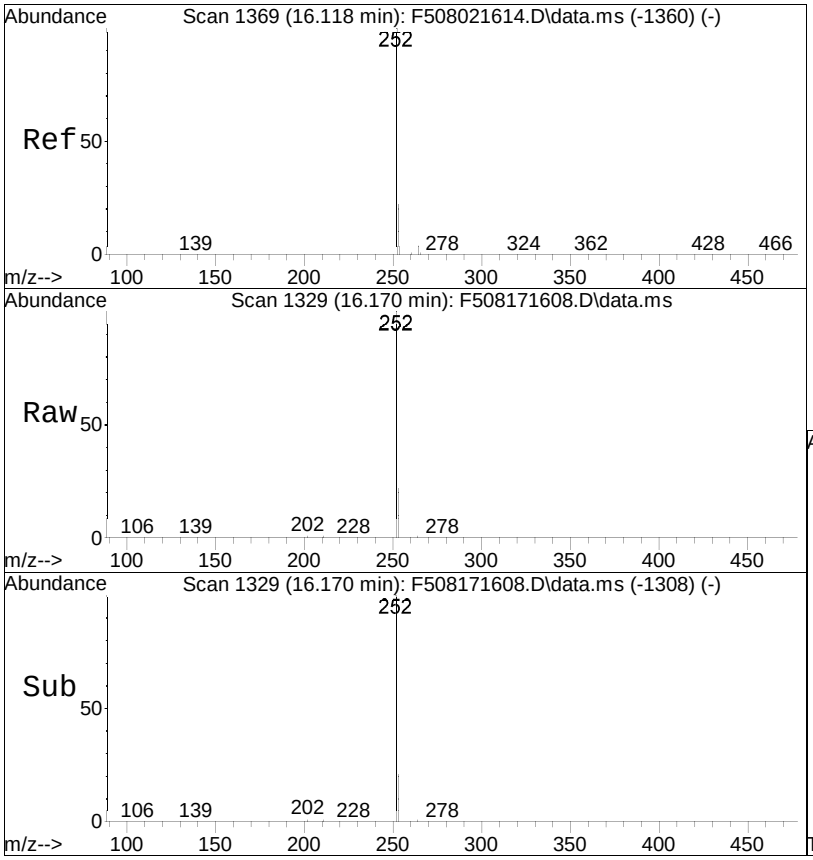


#28
Chrysene
Concen: 489.09 ng/mL
RT: 14.426 min Scan# 1108
Delta R.T. -0.024 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:228 Resp: 143098

Ion	Ratio	Lower	Upper
228	100		
229	19.3	15.6	23.4

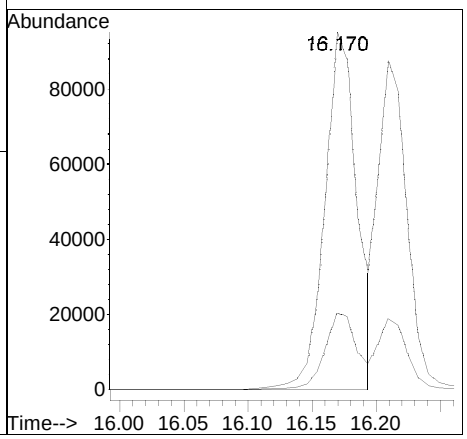


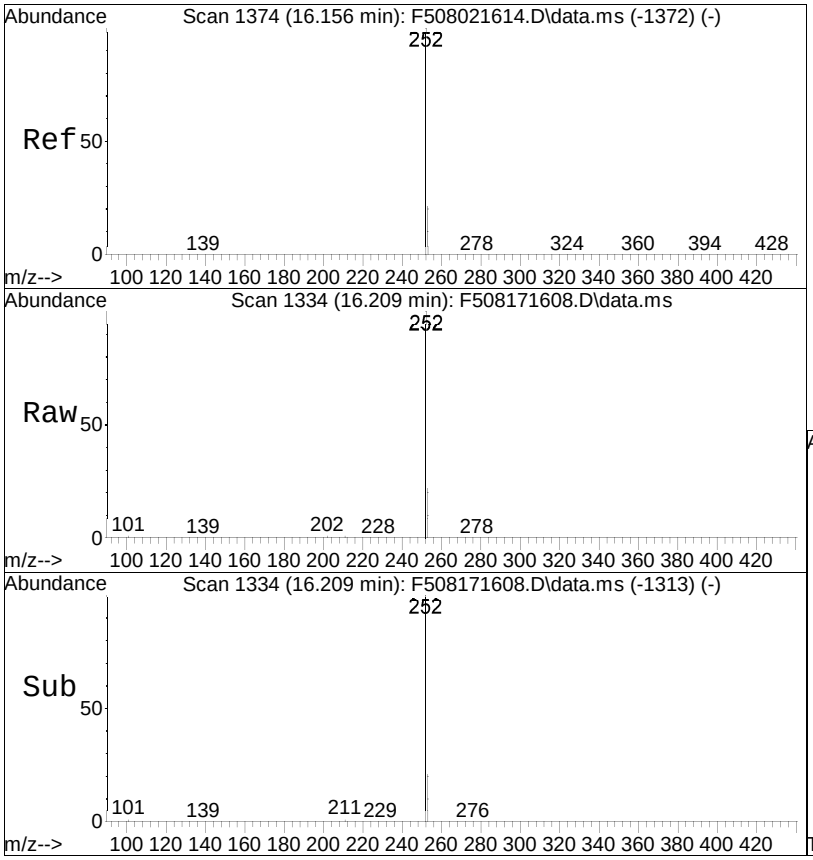


#32
Benzo[b]fluoranthene
Concen: 591.40 ng/mL
RT: 16.170 min Scan# 1329
Delta R.T. -0.031 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:252 Resp: 167091

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0

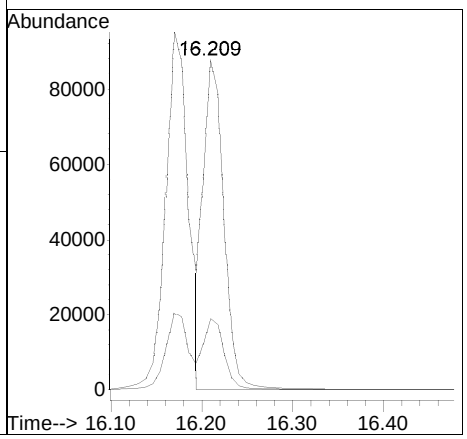


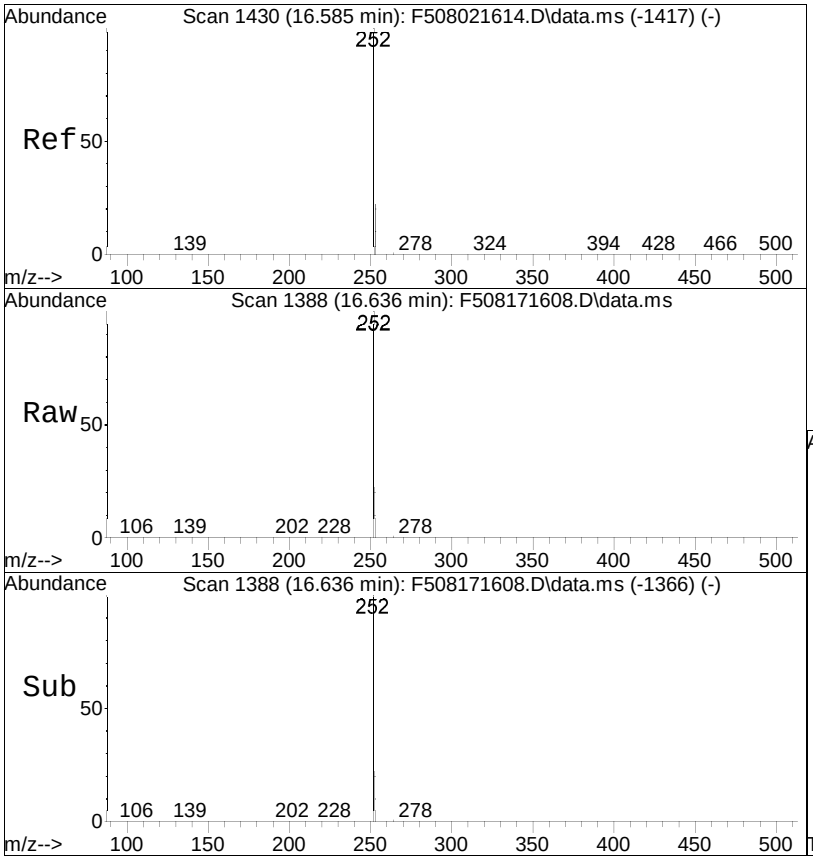


#33
Benzo[k]fluoranthene
Concen: 523.39 ng/mL
RT: 16.209 min Scan# 1334
Delta R.T. -0.032 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:252 Resp: 136444

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0

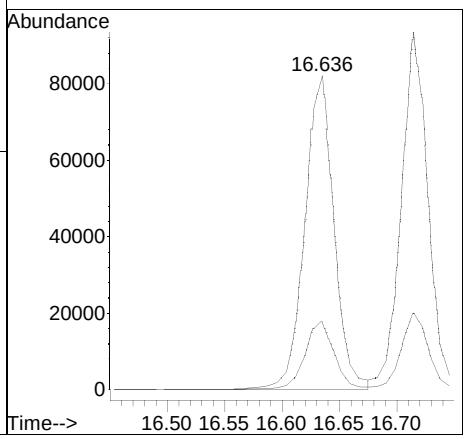


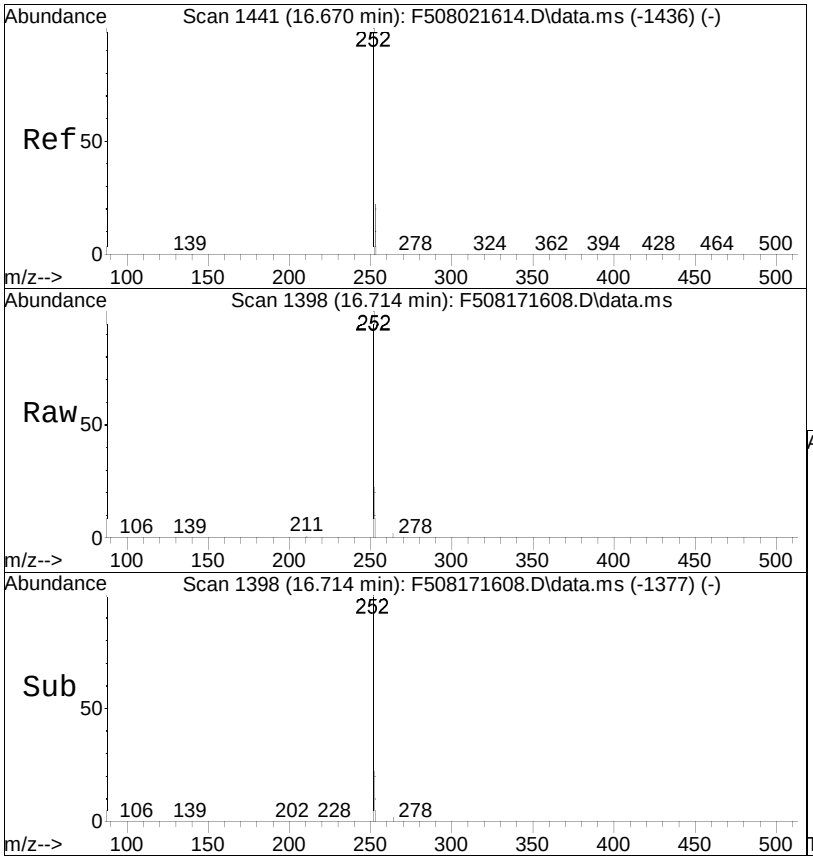


#34
Benzo[e]pyrene
Concen: 571.19 ng/mL
RT: 16.636 min Scan# 1388
Delta R.T. -0.023 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:252 Resp: 144641

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8

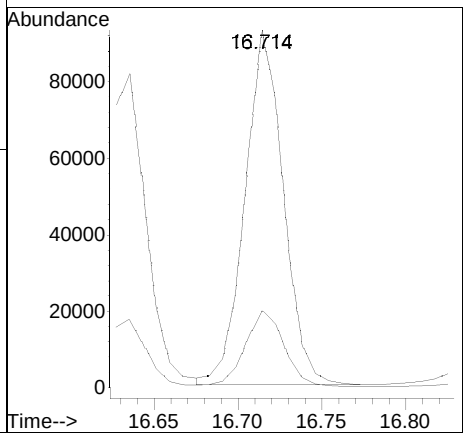


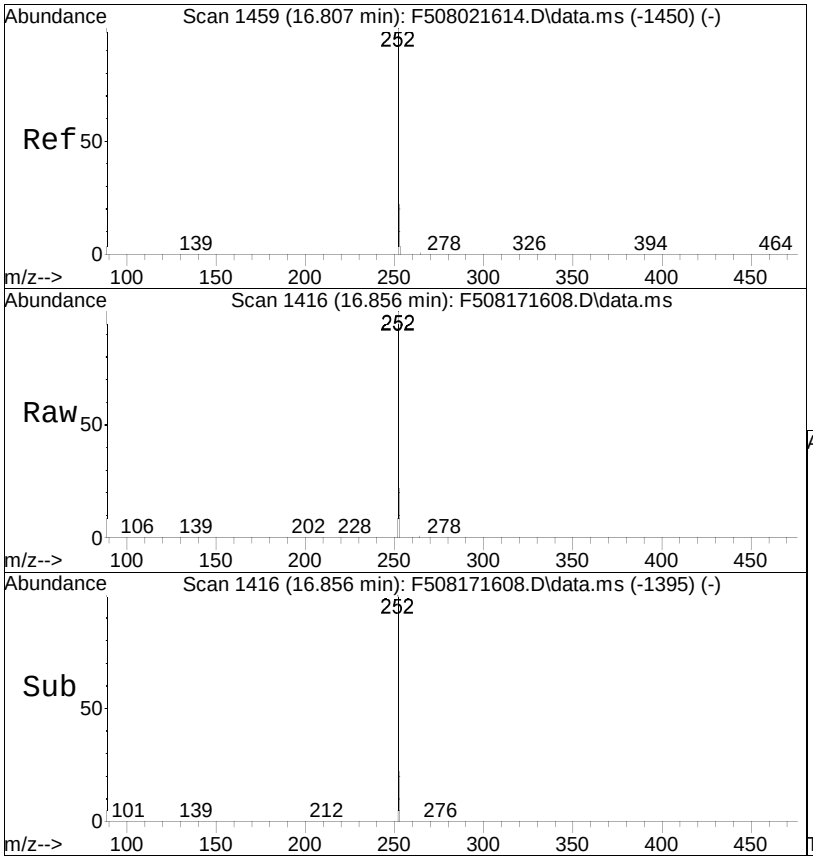


#35
Benzo[a]pyrene
Concen: 591.94 ng/mL
RT: 16.714 min Scan# 1398
Delta R.T. -0.032 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:252 Resp: 146925

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2

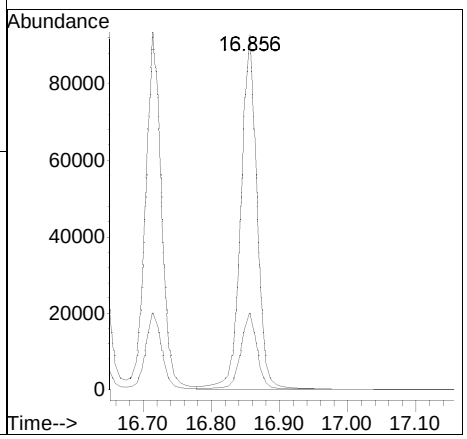


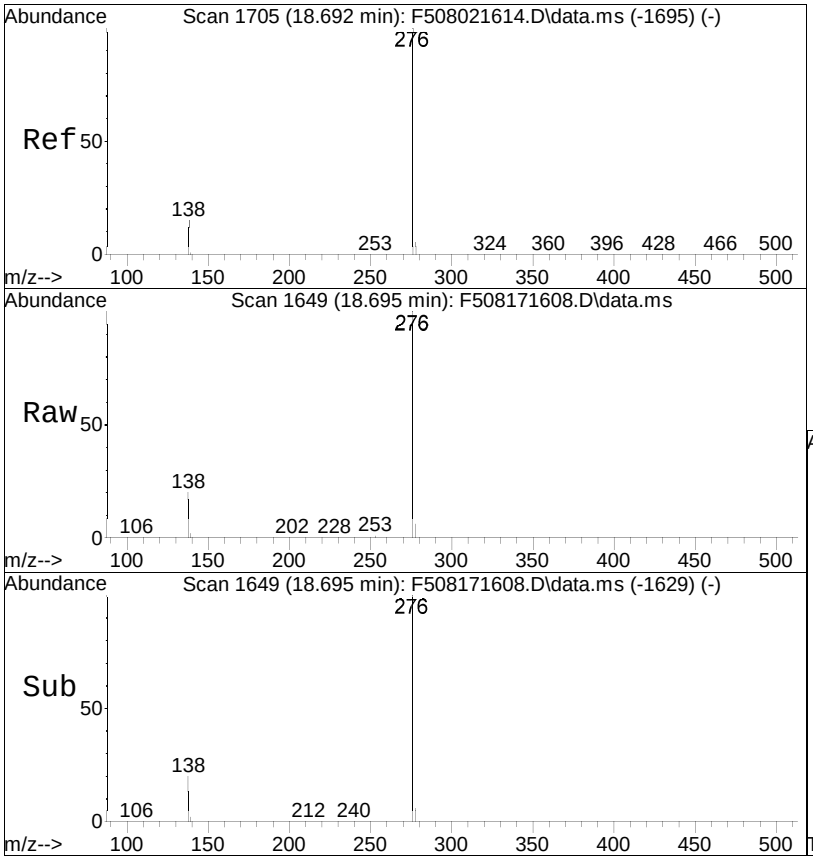


#36
Perylene
Concen: 497.25 ng/mL
RT: 16.856 min Scan# 1416
Delta R.T. -0.032 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:252 Resp: 152566

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9

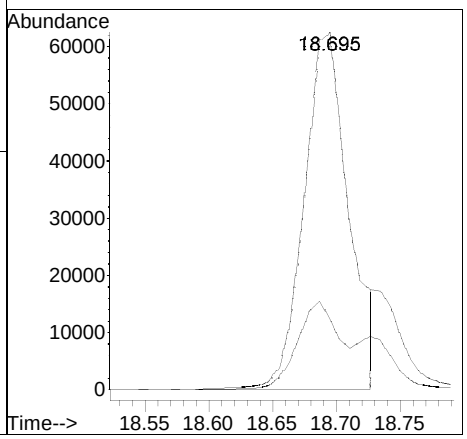


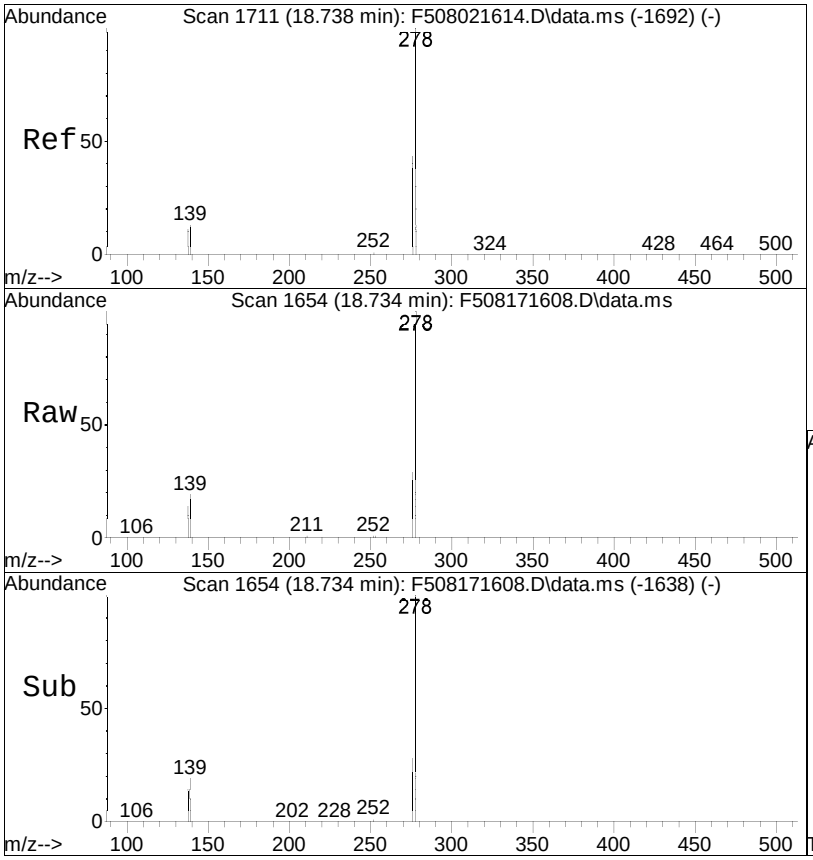


#37
Indeno[1,2,3-cd]pyrene
Concen: 923.12 ng/mL M4
RT: 18.695 min Scan# 1649
Delta R.T. -0.039 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:276 Resp: 151141

Ion	Ratio	Lower	Upper
276	100		
138	19.9	21.4	32.2#

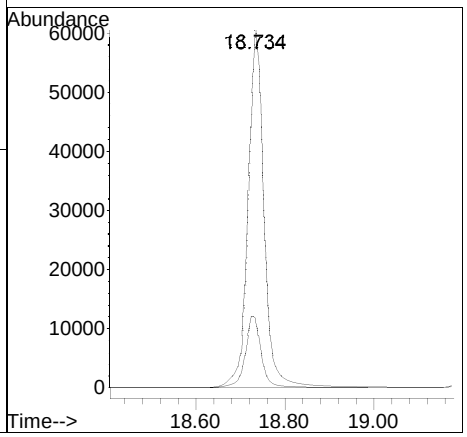


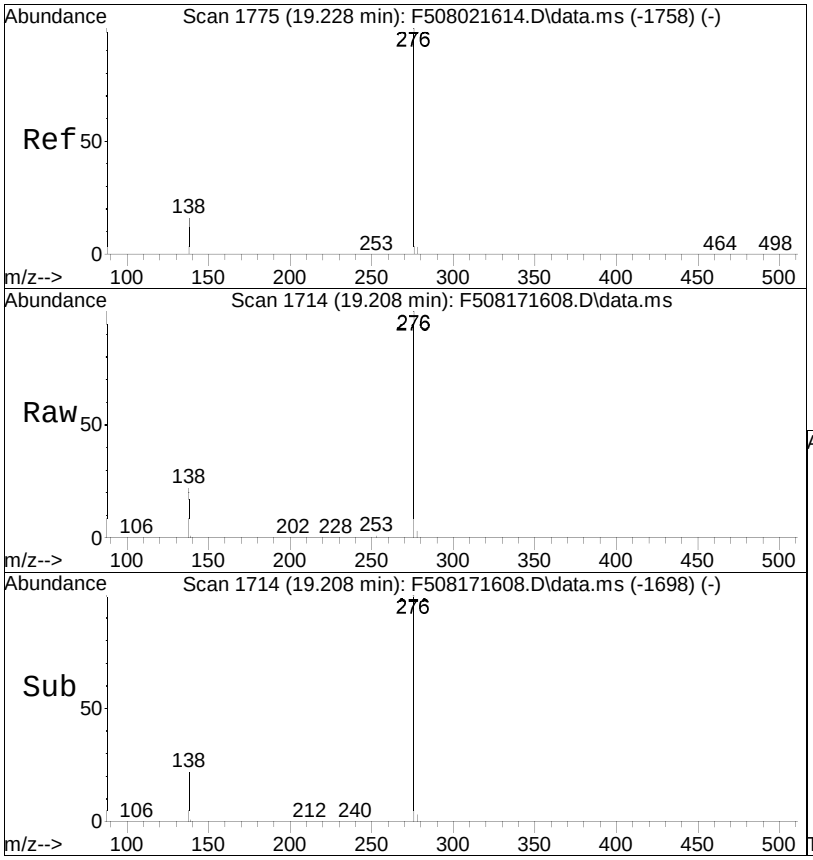


#38
Dibenz[a,h]anthracene
Concen: 652.85 ng/mL
RT: 18.734 min Scan# 1654
Delta R.T. -0.040 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:278 Resp: 148969

Ion	Ratio	Lower	Upper
278	100		
139	19.4	18.2	27.2

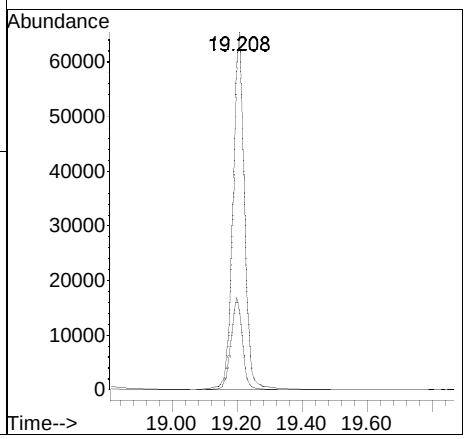




#39
Benzo[g,h,i]perylene
Concen: 617.01 ng/mL
RT: 19.208 min Scan# 1714
Delta R.T. -0.039 min
Lab File: F508171608.D
Acq: 17 Aug 2016 5:07 pm

Tgt Ion:276 Resp: 154089

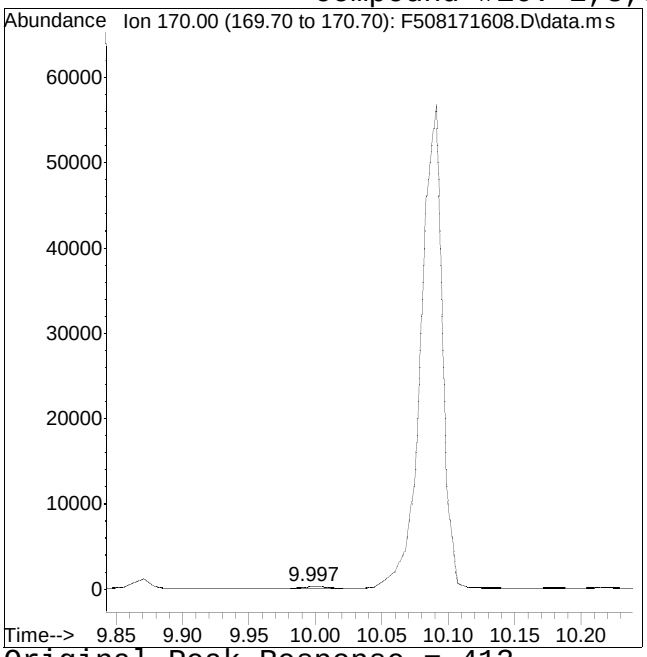
Ion	Ratio	Lower	Upper
276	100		
138	21.8	33.5	50.3#

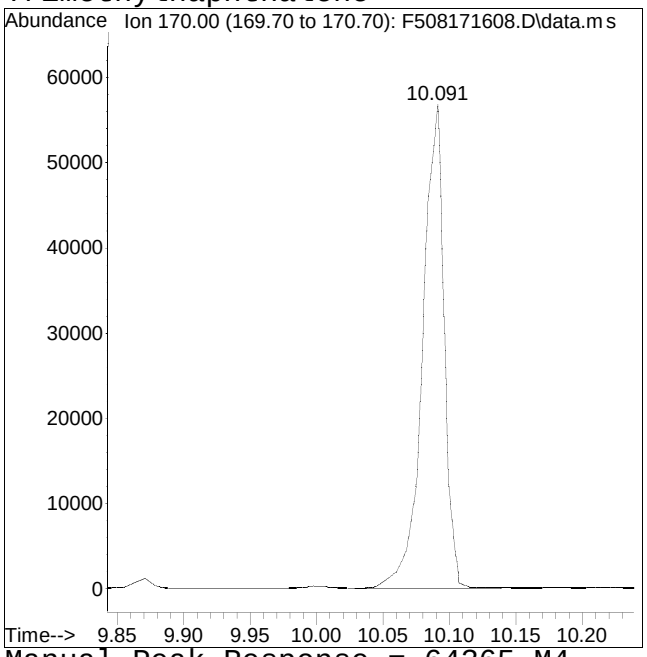


Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH5\2016\ QMethod : PAH0817PAH5.M
Data File : F508171608.D Operator : PAH5:DP
Date Inj'd : 8/17/2016 5:07 pm Instrument : PAH 5
Sample : I508171605 Quant Date : 8/18/2016 11:13 am

Compound #16: 2,3,5-Trimethylnaphthalene





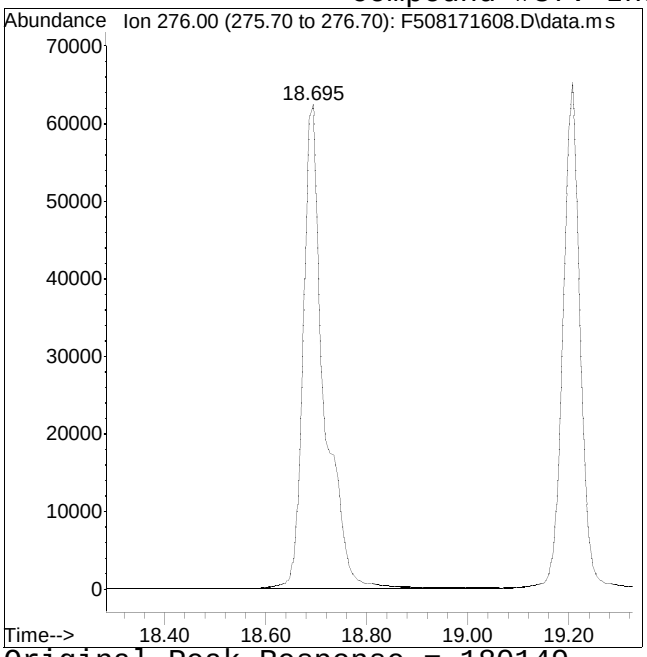
Original Peak Response = 413 Manual Peak Response = 64365 M4
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

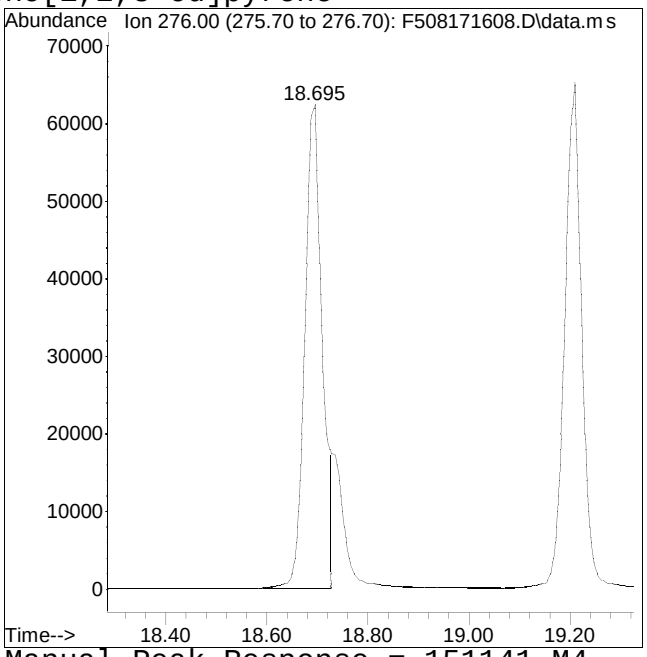
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F508171608.D
Date Inj'd : 8/17/2016 5:07 pm
Sample : I508171605

QMethod : PAH0817PAH5.M
Operator : PAH5:DP
Instrument : PAH 5
Quant Date : 8/18/2016 11:13 am

Compound #37: Indeno[1,2,3-cd]pyrene



Original Peak Response = 180149



Manual Peak Response = 151141 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171609.D
Acq On : 17 Aug 2016 5:43 pm
Operator : PAH5:DP
Sample : I508171606
Misc : WG923960,MSAJ31
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 12:19:50 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 11:42:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.946	136	121594	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.682	164	60590	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.122	188	123528	500.000	ng/mL	0.00
24) Chrysene-d12	14.387	240	125583	500.000	ng/mL	0.00
29) Perylene-d12	16.817	264	127350	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.611	152	133288	1010.977	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 20.22%#			
18) Fluoranthene-d10	12.375	212	234723M4	1161.601	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 232.32%#			
25) Pyrene-d10	12.643	212	211085	1032.948	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 20.66%#			
30) Benzo(a)pyrene-d12	16.683	264	202607	1346.228	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 269.25%#			
31) Benzo[b]fluoranthene-d12	16.138	264	213980	1150.209	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 23.00%#			
Target Compounds						Qvalue
2) Naphthalene	7.960	128	242622	1000.462	ng/mL	100
3) 1,4-Dichlorobenzene	6.693	146	121466	986.437	ng/mL	97
5) 2-Methylnaphthalene	8.640	142	140894	1002.853	ng/mL	98
6) 1-Methylnaphthalene	8.746	142	156885	1030.967	ng/mL	97
8) Dibenzothiophene	11.028	184	282943	1120.377	ng/mL	97
9) 2-Chloronaphthalene	9.121	162	183296	1059.845	ng/mL	98
10) Biphenyl	9.107	154	200255	1016.491	ng/mL	98
11) 2,6-Dimethylnaphthalene	9.262	156	141540	1057.050	ng/mL	96
12) Acenaphthylene	9.532	152	271223	1224.539	ng/mL	99
13) Acenaphthene	9.713	153	160383	1021.595	ng/mL	100
14) Dibenzofuran	9.871	168	233895	1020.578	ng/mL#	83
15) Fluorene	10.209	166	184070	1092.956	ng/mL	100
16) 2,3,5-Trimethylnaphthalen	10.091	170	128121M4	1077.902	ng/mL	
19) Phenanthrene	11.146	178	273857	986.784	ng/mL	100
20) Anthracene	11.193	178	268373	1179.041	ng/mL	98
21) Carbazole	11.343	167	267590	1171.281	ng/mL	98
22) 1-Methylphenanthrene	11.768	192	200121	1118.549	ng/mL	100
23) Fluoranthene	12.390	202	310549	1128.304	ng/mL	98
26) Pyrene	12.659	202	332890	1018.766	ng/mL	100
27) Benz[a]anthracene	14.363	228	297286	1274.677	ng/mL	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171609.D
Acq On : 17 Aug 2016 5:43 pm
Operator : PAH5:DP
Sample : I508171606
Misc : WG923960,MSAJ31
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 12:19:50 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 11:42:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Chrysene	14.426	228	285852	990.554	ng/mL	100
32) Benzo[b]fluoranthene	16.178	252	324793	1147.568	ng/mL	100
33) Benzo[k]fluoranthene	16.217	252	291931	1117.889	ng/mL	100
34) Benzo[e]pyrene	16.636	252	294158	1159.610	ng/mL	100
35) Benzo[a]pyrene	16.722	252	301402	1212.197	ng/mL	100
36) Perylene	16.856	252	309553	1007.152	ng/mL	100
37) Indeno[1,2,3-cd]pyrene	18.695	276	301496M4	1838.248	ng/mL	
38) Dibenz[a,h]anthracene	18.742	278	307973	1347.335	ng/mL#	89
39) Benzo[g,h,i]perylene	19.208	276	314655	1257.772	ng/mL#	76

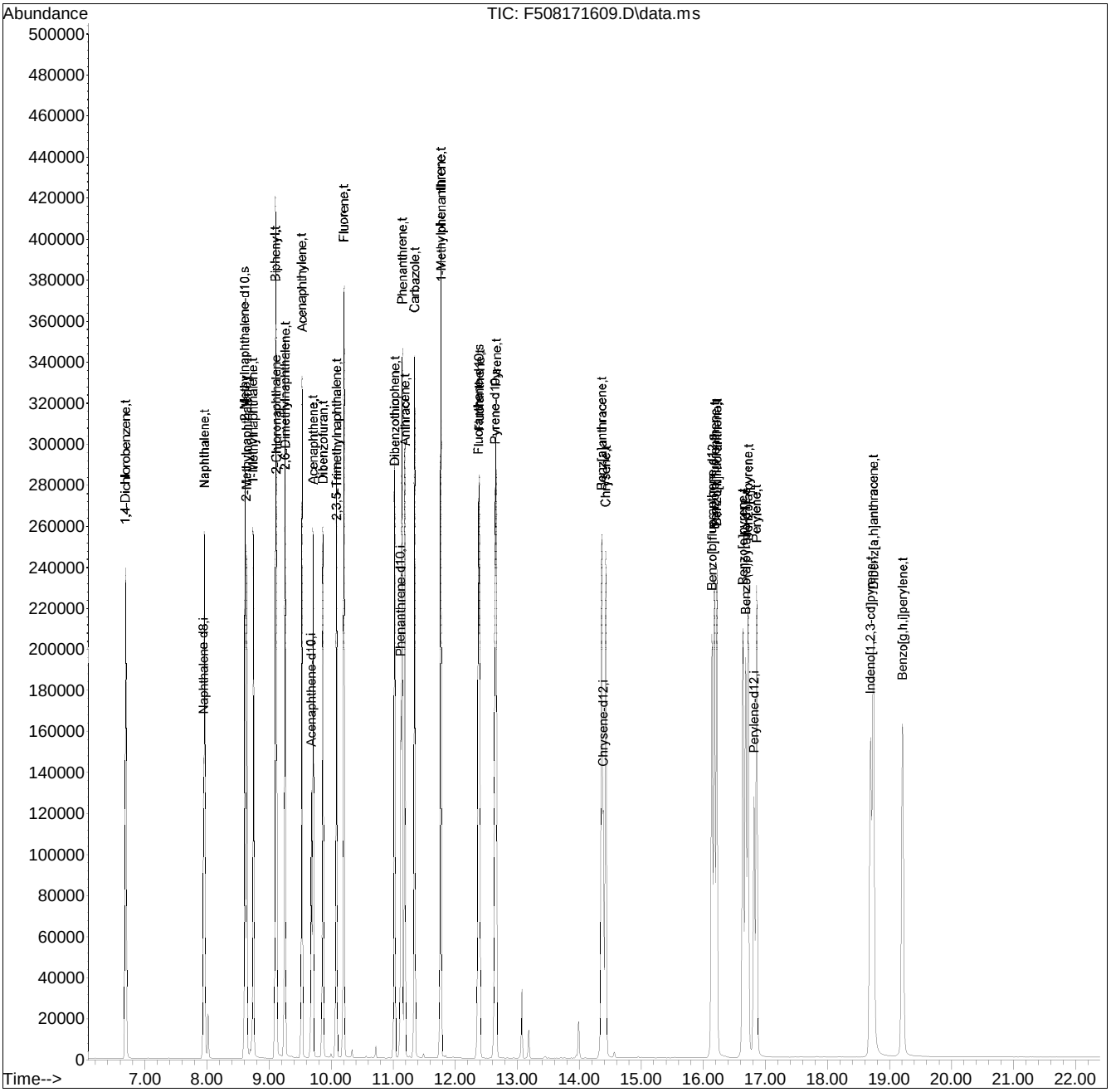
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171609.D
Acq On : 17 Aug 2016 5:43 pm
Operator : PAH5:DP
Sample : I508171606
Misc : WG923960,MSAJ31
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 12:19:50 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 11:42:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

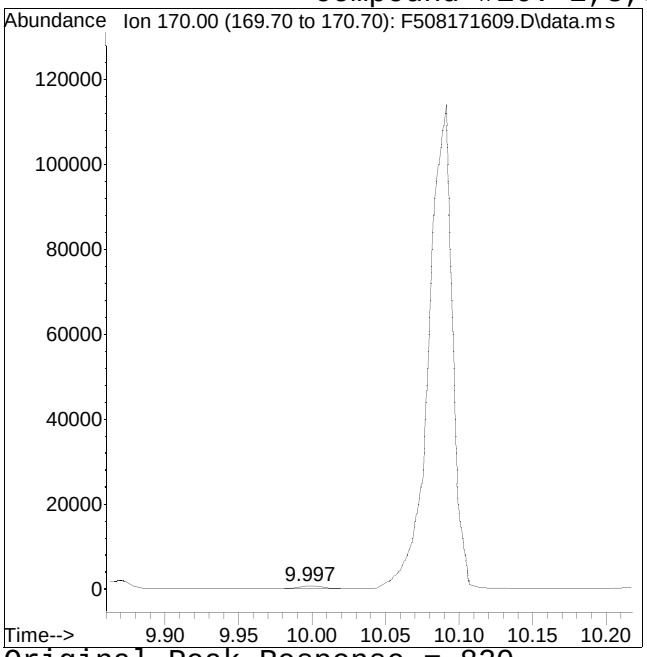


Manual Integration/Negative Proof Report

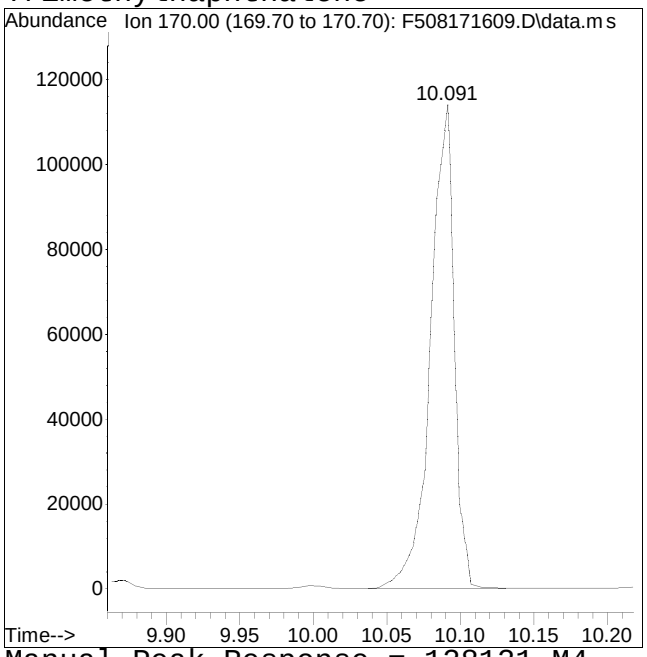
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F508171609.D
Date Inj'd : 8/17/2016 5:43 pm
Sample : I508171606

QMethod : PAH0817PAH5.M
Operator : PAH5:DP
Instrument : PAH 5
Quant Date : 8/18/2016 11:43 am

Compound #16: 2,3,5-Trimethylnaphthalene



Original Peak Response = 820



Manual Peak Response = 128121 M4

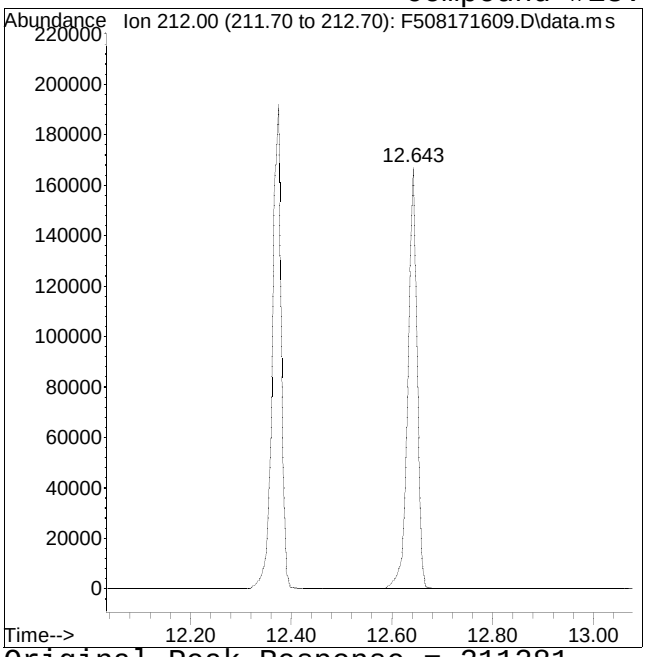
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

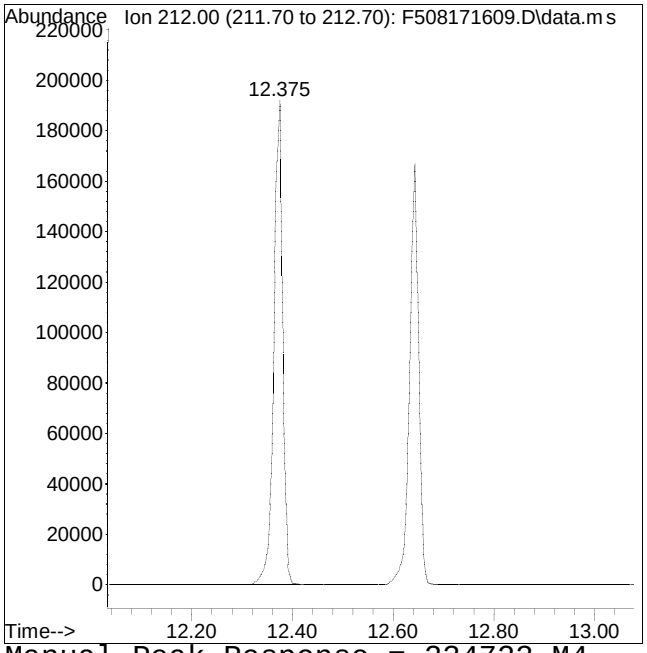
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F508171609.D
Date Inj'd : 8/17/2016 5:43 pm
Sample : I508171606

QMethod : PAH0817PAH5.M
Operator : PAH5:DP
Instrument : PAH 5
Quant Date : 8/18/2016 11:43 am

Compound #18: Fluoranthene-d10



Original Peak Response = 211281



Manual Peak Response = 234723 M4

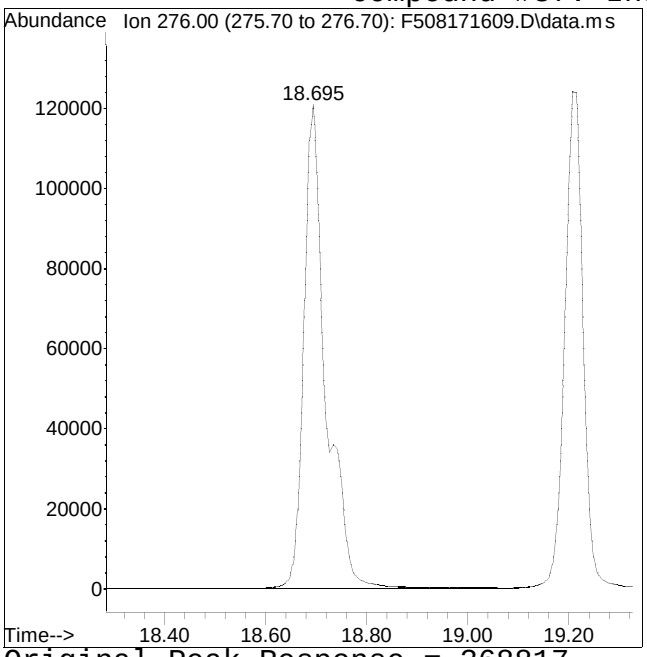
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

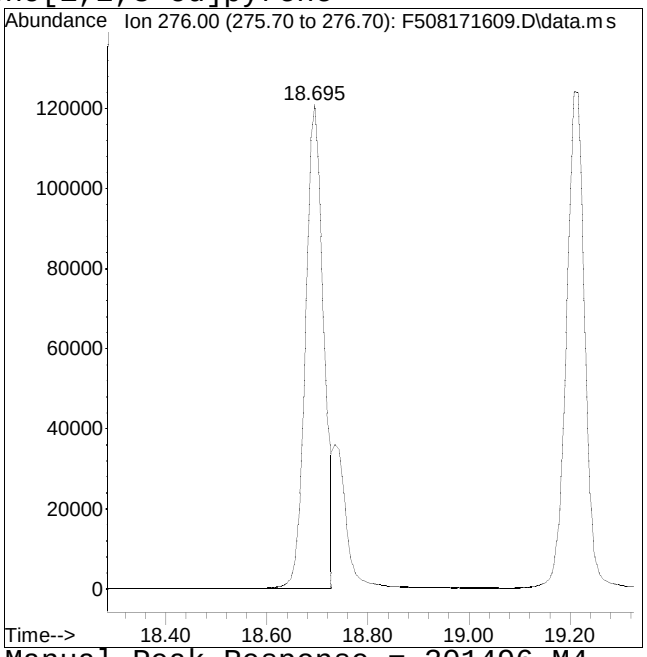
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F508171609.D
Date Inj'd : 8/17/2016 5:43 pm
Sample : I508171606

QMethod : PAH0817PAH5.M
Operator : PAH5:DP
Instrument : PAH 5
Quant Date : 8/18/2016 11:43 am

Compound #37: Indeno[1,2,3-cd]pyrene



Original Peak Response = 368817



Manual Peak Response = 301496 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171610.D
Acq On : 17 Aug 2016 6:19 pm
Operator : PAH5:DP
Sample : I508171607
Misc : WG923960,MSAJ96,X5
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 12:20:36 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 11:42:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.946	136	121974	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.682	164	61919	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.122	188	128893	500.000	ng/mL	0.00
24) Chrysene-d12	14.387	240	132085	500.000	ng/mL	0.00
29) Perylene-d12	16.817	264	136912	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.611	152	272924	2063.653	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 41.27%			
18) Fluoranthene-d10	12.375	212	459288M4	2178.325	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 435.66%#			
25) Pyrene-d10	12.643	212	434676	2022.387	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 40.45%#			
30) Benzo(a)pyrene-d12	16.683	264	409081	2528.314	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 505.66%#			
31) Benzo[b]fluoranthene-d12	16.138	264	446224	2231.074	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 44.62%#			
Target Compounds						Qvalue
2) Naphthalene	7.960	128	491392	2019.963	ng/mL	100
3) 1,4-Dichlorobenzene	6.693	146	239122	1935.883	ng/mL	97
5) 2-Methylnaphthalene	8.640	142	315287	2237.153	ng/mL	97
6) 1-Methylnaphthalene	8.753	142	312582	2047.727	ng/mL	97
8) Dibenzothiophene	11.028	184	557422	2159.863	ng/mL	100
9) 2-Chloronaphthalene	9.121	162	371926	2104.375	ng/mL	99
10) Biphenyl	9.107	154	393267	1953.371	ng/mL	100
11) 2,6-Dimethylnaphthalene	9.262	156	286516	2093.834	ng/mL	97
12) Acenaphthylene	9.532	152	542395	2396.287	ng/mL	99
13) Acenaphthene	9.713	153	315912	1969.082	ng/mL	100
14) Dibenzofuran	9.871	168	465149	1986.069	ng/mL#	85
15) Fluorene	10.209	166	364030	2115.115	ng/mL	100
16) 2,3,5-Trimethylnaphthalen	10.091	170	255655M4	2104.700	ng/mL	
19) Phenanthrene	11.146	178	544248	1879.453	ng/mL	100
20) Anthracene	11.193	178	534661	2251.151	ng/mL	98
21) Carbazole	11.351	167	539095	2261.480	ng/mL#	81
22) 1-Methylphenanthrene	11.768	192	403307	2160.400	ng/mL	100
23) Fluoranthene	12.398	202	609582	2122.581	ng/mL#	92
26) Pyrene	12.667	202	659093	1917.775	ng/mL	93
27) Benz[a]anthracene	14.363	228	590671	2407.956	ng/mL	99

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171610.D
Acq On : 17 Aug 2016 6:19 pm
Operator : PAH5:DP
Sample : I508171607
Misc : WG923960,MSAJ96,X5
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 12:20:36 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 11:42:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Chrysene	14.426	228	557905	1838.123	ng/mL	100
32) Benzo[b]fluoranthene	16.178	252	677047	2225.092	ng/mL	100
33) Benzo[k]fluoranthene	16.217	252	553269	1970.663	ng/mL	100
34) Benzo[e]pyrene	16.643	252	597545	2191.086	ng/mL	99
35) Benzo[a]pyrene	16.722	252	568983	2128.550	ng/mL	100
36) Perylene	16.864	252	623190	1885.984	ng/mL	99
37) Indeno[1,2,3-cd]pyrene	18.703	276	628862M4	3566.443	ng/mL	
38) Dibenz[a,h]anthracene	18.742	278	625626	2545.863	ng/mL	97
39) Benzo[g,h,i]perylene	19.224	276	642709	2389.677	ng/mL#	69

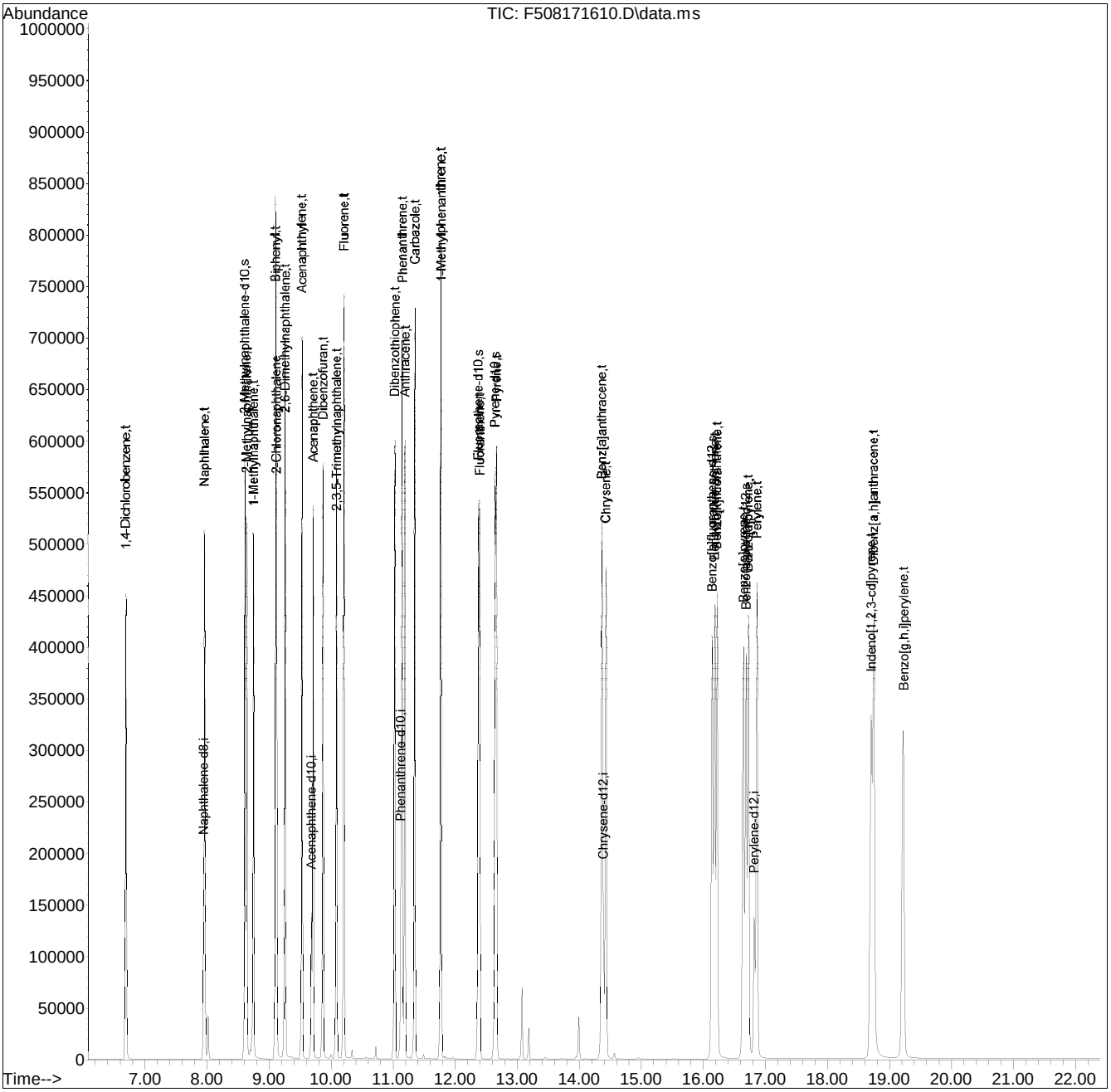
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171610.D
Acq On : 17 Aug 2016 6:19 pm
Operator : PAH5:DP
Sample : I508171607
Misc : WG923960,MSAJ96,X5
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 12:20:36 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 11:42:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

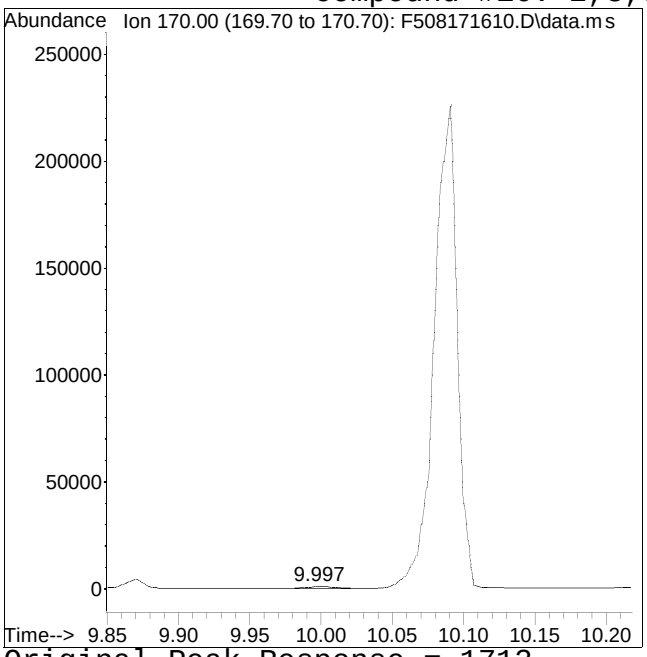


Manual Integration/Negative Proof Report

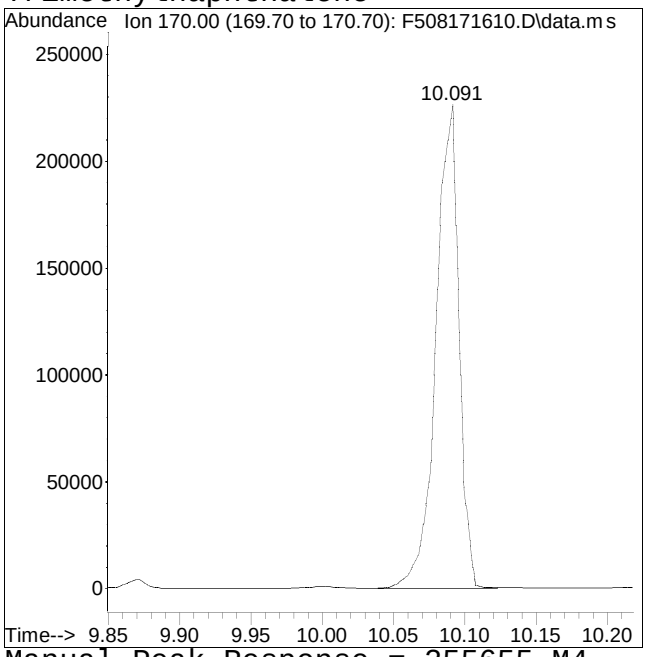
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F508171610.D
Date Inj'd : 8/17/2016 6:19 pm
Sample : I508171607

QMethod : PAH0817PAH5.M
Operator : PAH5:DP
Instrument : PAH 5
Quant Date : 8/18/2016 11:43 am

Compound #16: 2,3,5-Trimethylnaphthalene



Original Peak Response = 1713



Manual Peak Response = 255655 M4

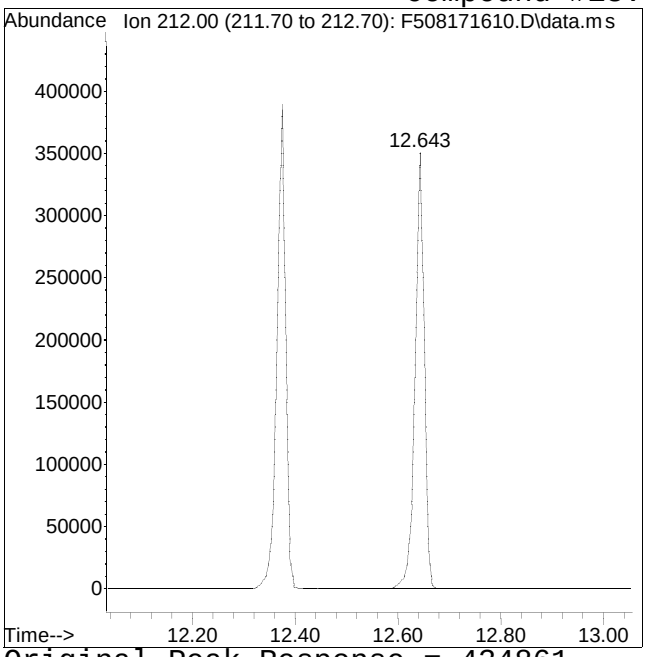
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

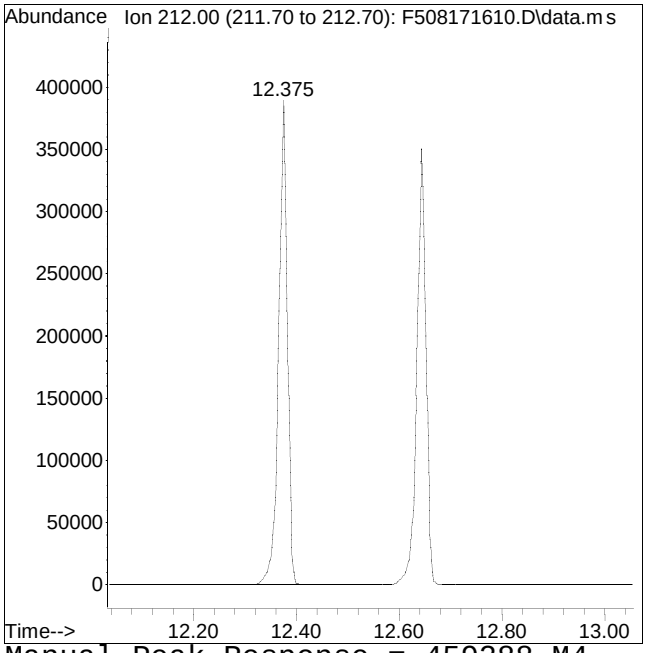
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F508171610.D
Date Inj'd : 8/17/2016 6:19 pm
Sample : I508171607

QMethod : PAH0817PAH5.M
Operator : PAH5:DP
Instrument : PAH 5
Quant Date : 8/18/2016 11:43 am

Compound #18: Fluoranthene-d10



Original Peak Response = 434861



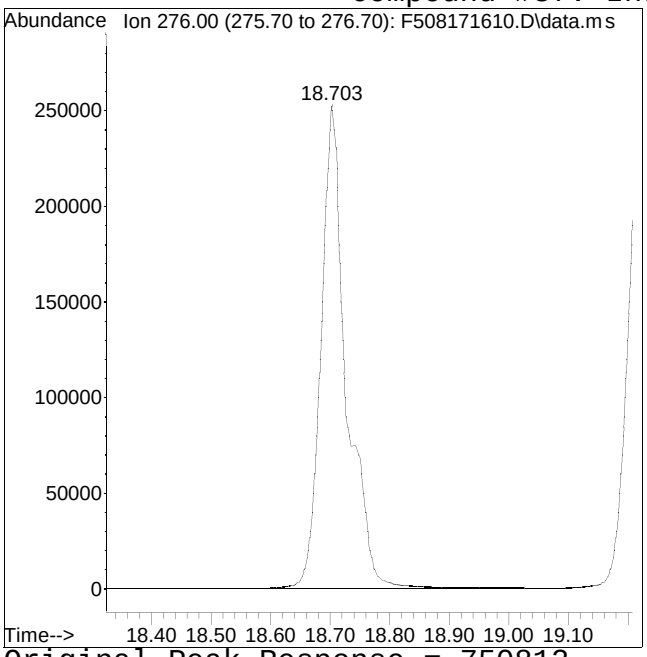
Manual Peak Response = 459288 M4

M4 = Poor automated baseline construction.

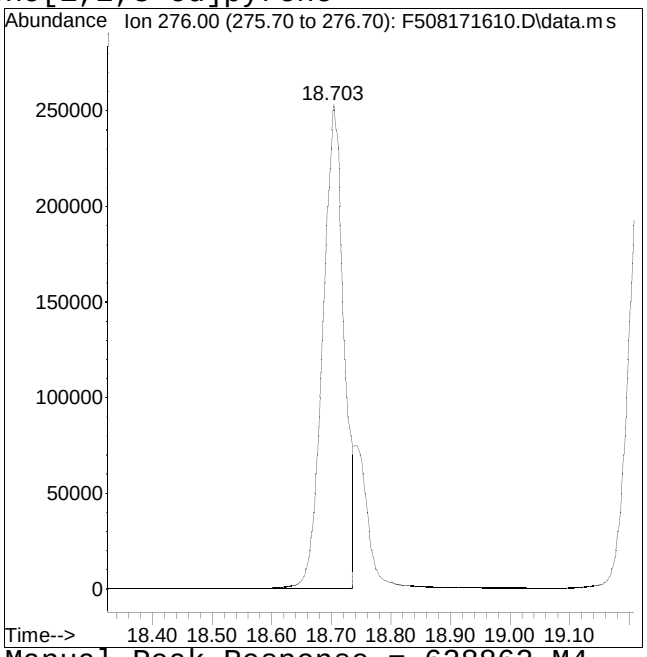
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH5\2016\ QMethod : PAH0817PAH5.M
Data File : F508171610.D Operator : PAH5:DP
Date Inj'd : 8/17/2016 6:19 pm Instrument : PAH 5
Sample : I508171607 Quant Date : 8/18/2016 11:43 am

Compound #37: Indeno[1,2,3-cd]pyrene



Original Peak Response = 750812



Manual Peak Response = 628862 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171611.D
Acq On : 17 Aug 2016 6:54 pm
Operator : PAH5:DP
Sample : I508171608
Misc : WG923960,MSAJ97
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 18 12:22:35 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 11:42:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.946	136	109213	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.682	164	55673	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.122	188	118874	500.000	ng/mL	0.00
24) Chrysene-d12	14.395	240	114162	500.000	ng/mL	0.00
29) Perylene-d12	16.825	264	124915	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.611	152	662425	5594.028	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 111.88%			
18) Fluoranthene-d10	12.375	212	1135611	5839.956	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 1167.99%#			
25) Pyrene-d10	12.651	212	1055562	5682.171	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 113.64%			
30) Benzo(a)pyrene-d12	16.706	264	1035308M4	7013.231	ng/mL	0.03
Spiked Amount 500.000	Range 30 - 150		Recovery = 1402.65%#			
31) Benzo[b]fluoranthene-d12	16.154	264	1121987	6148.593	ng/mL	0.02
Spiked Amount 5000.000	Range 50 - 150		Recovery = 122.97%			
Target Compounds						Qvalue
2) Naphthalene	7.960	128	1211584	5562.395	ng/mL	99
3) 1,4-Dichlorobenzene	0.000		0	N.D.	d	
5) 2-Methylnaphthalene	8.640	142	776598	6154.301	ng/mL	97
6) 1-Methylnaphthalene	8.753	142	769285	5628.444	ng/mL	98
8) Dibenzothiophene	0.000		0	N.D.	d	
9) 2-Chloronaphthalene	0.000		0	N.D.	d	
10) Biphenyl	0.000		0	N.D.	d	
11) 2,6-Dimethylnaphthalene	0.000		0	N.D.	d	
12) Acenaphthylene	0.000		0	N.D.	d	
13) Acenaphthene	0.000		0	N.D.	d	
14) Dibenzofuran	0.000		0	N.D.	d	
15) Fluorene	0.000		0	N.D.	d	
16) 2,3,5-Trimethylnaphthalen	0.000		0	N.D.	d	
19) Phenanthrene	0.000		0	N.D.	d	
20) Anthracene	0.000		0	N.D.	d	
21) Carbazole	0.000		0	N.D.	d	
22) 1-Methylphenanthrene	0.000		0	N.D.	d	
23) Fluoranthene	0.000		0	N.D.	d	
26) Pyrene	0.000		0	N.D.	d	
27) Benz[a]anthracene	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171611.D
Acq On : 17 Aug 2016 6:54 pm
Operator : PAH5:DP
Sample : I508171608
Misc : WG923960,MSAJ97
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 18 12:22:35 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 11:42:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Chrysene	0.000		0	N.D.	d	
32) Benzo[b]fluoranthene	0.000		0	N.D.	d	
33) Benzo[k]fluoranthene	0.000		0	N.D.	d	
34) Benzo[e]pyrene	0.000		0	N.D.	d	
35) Benzo[a]pyrene	0.000		0	N.D.	d	
36) Perylene	0.000		0	N.D.	d	
37) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
38) Dibenz[a,h]anthracene	0.000		0	N.D.	d	
39) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

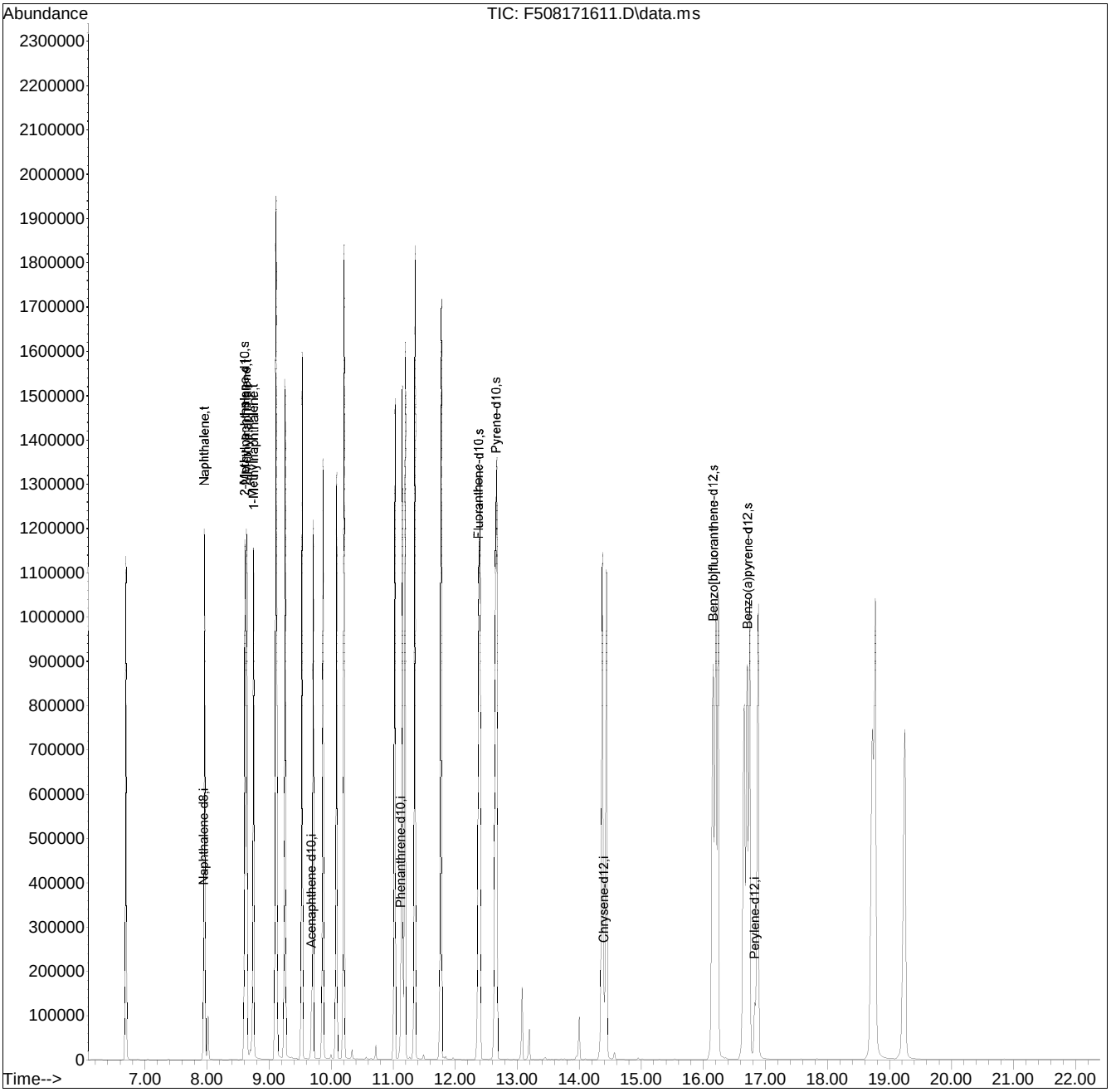
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171611.D
Acq On : 17 Aug 2016 6:54 pm
Operator : PAH5:DP
Sample : I508171608
Misc : WG923960,MSAJ97
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 18 12:22:35 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 11:42:59 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

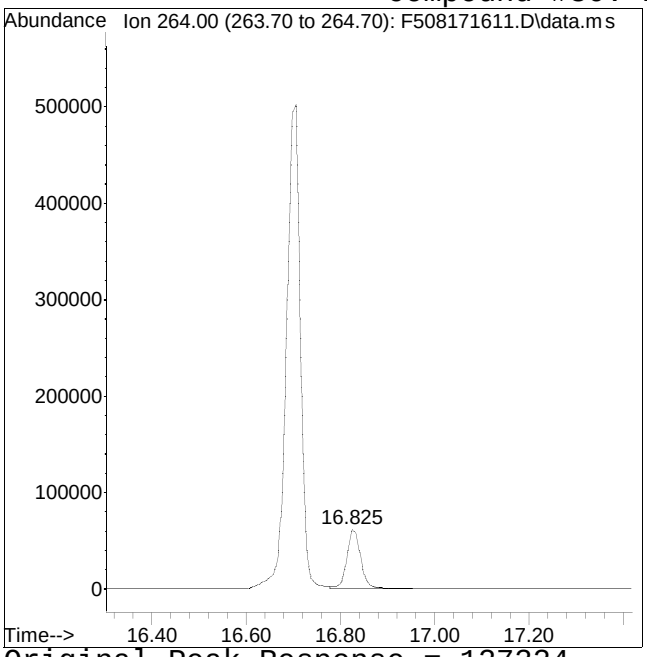


Manual Integration/Negative Proof Report

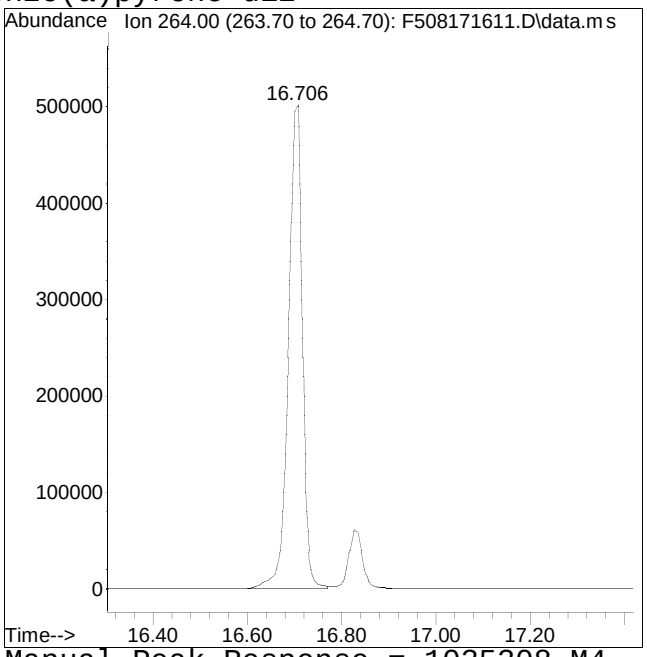
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F508171611.D
Date Inj'd : 8/17/2016 6:54 pm
Sample : I508171608

QMethod : PAH0817PAH5.M
Operator : PAH5:DP
Instrument : PAH 5
Quant Date : 8/18/2016 11:43 am

Compound #30: Benzo(a)pyrene-d12



Original Peak Response = 127324



Manual Peak Response = 1035308 M4

M4 = Poor automated baseline construction.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171612.D
Acq On : 17 Aug 2016 7:29 pm
Operator : PAH5:DP
Sample : CQ508171601
Misc : WG923960,MSAJ68
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 18 12:25:12 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	Naphthalene-d8	1.000	1.000	0.0	102	0.00
2	t	Naphthalene	1.054	0.963	8.6	98	0.00
3	t	1,4-Dichlorobenzene	0.508	0.477	6.1	99	0.00
4	s	2-Methylnaphthalene-d10	0.580	0.000#	100.0#	0#	-8.61#
5	t	2-Methylnaphthalene	0.630	0.638	-1.3	112	0.00
6	t	1-Methylnaphthalene	0.673	0.606	10.0	96	0.00
7	i	Acenaphthene-d10	1.000	1.000	0.0	103	0.00
8	t	Dibenzothiophene	2.375	2.064	13.1	92	0.00
9		2-Chloronaphthalene	1.548	1.414	8.7	96	0.00
10	t	Biphenyl	1.748	1.546	11.6	96	0.00
11	t	2,6-Dimethylnaphthalene	1.207	1.085	10.1	95	0.00
12	t	Acenaphthylene	2.267	2.021	10.9	94	0.00
13	t	Acenaphthene	1.372	1.237	9.8	97	0.00
14	t	Dibenzofuran	2.003	1.820	9.1	97	0.00
15	t	Fluorene	1.556	1.389	10.7	95	0.00
16	t	2,3,5-Trimethylnaphthalene	1.082	0.819	24.3	81	0.00
17	i	Phenanthrene-d10	1.000	1.000	0.0	101	0.00
18	s	Fluoranthene-d10	0.965	0.000#	100.0#	0#	-12.37#
19	t	Phenanthrene	1.161	1.054	9.2	96	0.00
20	t	Anthracene	1.114	0.979	12.1	91	0.00
21	t	Carbazole	1.108	0.994	10.3	94	0.00
22	t	1-Methylphenanthrene	0.821	0.750	8.6	95	0.00
23	t	Fluoranthene	1.269	1.147	9.6	93	0.00
24	i	Chrysene-d12	1.000	1.000	0.0	101	0.00
25	s	Pyrene-d10	0.878	0.000#	100.0#	0#	-12.64#
26	t	Pyrene	1.359	1.175	13.5	89	0.00
27	t	Benz[a]anthracene	1.227	1.045	14.8	91	0.00
28	t	Chrysene	1.159	1.011	12.8	90	0.00
29	i	Perylene-d12	1.000	1.000	0.0	98	0.00
30	s	Benzo(a)pyrene-d12	0.813	0.000#	100.0#	0#	-16.67#
31	s	Benzo[b]fluoranthene-d12	0.874	0.000#	100.0#	0#	-16.13#
32	t	Benzo[b]fluoranthene	1.331	1.216	8.6	91	0.00
33	t	Benzo[k]fluoranthene	1.111	1.069	3.8	98	0.00
34	t	Benzo[e]pyrene	1.176	1.096	6.8	94	0.00
35	t	Benzo[a]pyrene	1.165	1.062	8.8	90	0.00

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171612.D
Acq On : 17 Aug 2016 7:29 pm
Operator : PAH5:DP
Sample : CQ508171601
Misc : WG923960,MSAJ68
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 18 12:25:12 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36 t	Perylene	1.231	1.105	10.2	90	0.00
37 t	Indeno[1,2,3-cd]pyrene	1.238	1.094	11.6	90	0.00
38 t	Dibenz[a,h]anthracene	1.224	1.070	12.6	89	0.00
39 t	Benzo[g,h,i]perylene	1.266	1.120	11.5	91	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.98	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	1.05	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171612.D
Acq On : 17 Aug 2016 7:29 pm
Operator : PAH5:DP
Sample : CQ508171601
Misc : WG923960,MSAJ68
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 18 12:25:12 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.946	136	126474	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.682	164	63415	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.122	188	126513	500.000	ng/mL	0.00
24) Chrysene-d12	14.387	240	127961	500.000	ng/mL	0.00
29) Perylene-d12	16.817	264	124560	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	0.000	152	0d	0.000	ng/mL	
Spiked Amount 5000.000	Range 30 - 150		Recovery =	0.00%#		
18) Fluoranthene-d10	0.000	212	0d	0.000	ng/mL	
Spiked Amount 500.000	Range 30 - 150		Recovery =	0.00%#		
25) Pyrene-d10	0.000	212	0d	0.000	ng/mL	
Spiked Amount 5000.000	Range 50 - 150		Recovery =	0.00%#		
30) Benzo(a)pyrene-d12	0.000	264	0d	0.000	ng/mL	
Spiked Amount 500.000	Range 30 - 150		Recovery =	0.00%#		
31) Benzo[b]fluoranthene-d12	0.000	264	0d	0.000	ng/mL	
Spiked Amount 5000.000	Range 50 - 150		Recovery =	0.00%#		
Target Compounds						Qvalue
2) Naphthalene	7.960	128	121848	457.070	ng/mL	100
3) 1,4-Dichlorobenzene	6.693	146	60356	470.135	ng/mL	97
5) 2-Methylnaphthalene	8.640	142	80669	505.905	ng/mL	99
6) 1-Methylnaphthalene	8.746	142	76611	449.939	ng/mL	96
8) Dibenzothiophene	11.028	184	130914	434.654	ng/mL#	95
9) 2-Chloronaphthalene	9.121	162	89666	456.727	ng/mL	99
10) Biphenyl	9.107	154	98055	442.401	ng/mL	98
11) 2,6-Dimethylnaphthalene	9.255	156	68823	449.579	ng/mL	99
12) Acenaphthylene	9.532	152	128133	445.632	ng/mL	99
13) Acenaphthene	9.713	153	78474	450.951	ng/mL	99
14) Dibenzofuran	9.871	168	115415	454.284	ng/mL#	82
15) Fluorene	10.209	166	88081	446.424	ng/mL	100
16) 2,3,5-Trimethylnaphthalen	10.091	170	51964M4	378.502	ng/mL	
19) Phenanthrene	11.146	178	133298	453.779	ng/mL	100
20) Anthracene	11.185	178	123826	439.118	ng/mL	100
21) Carbazole	11.351	167	125712	448.375	ng/mL#	81
22) 1-Methylphenanthrene	11.768	192	94897	456.908	ng/mL	100
23) Fluoranthene	12.390	202	145132	452.123	ng/mL	97
26) Pyrene	12.659	202	150331	432.293	ng/mL	96
27) Benz[a]anthracene	14.355	228	133694	425.694	ng/mL	100
28) Chrysene	14.426	228	129392	436.386	ng/mL	100

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171612.D
Acq On : 17 Aug 2016 7:29 pm
Operator : PAH5:DP
Sample : CQ508171601
Misc : WG923960,MSAJ68
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 18 12:25:12 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo[b]fluoranthene	16.170	252	151487	456.967	ng/mL	100
33) Benzo[k]fluoranthene	16.209	252	133097	481.006	ng/mL	100
34) Benzo[e]pyrene	16.636	252	136487	466.029	ng/mL	99
35) Benzo[a]pyrene	16.714	252	132343	455.828	ng/mL	100
36) Perylene	16.857	252	137577	448.600	ng/mL	100
37) Indeno[1,2,3-cd]pyrene	18.695	276	136324M4	441.880	ng/mL	
38) Dibenz[a,h]anthracene	18.734	278	133247	436.826	ng/mL	94
39) Benzo[g,h,i]perylene	19.208	276	139525	442.548	ng/mL#	68

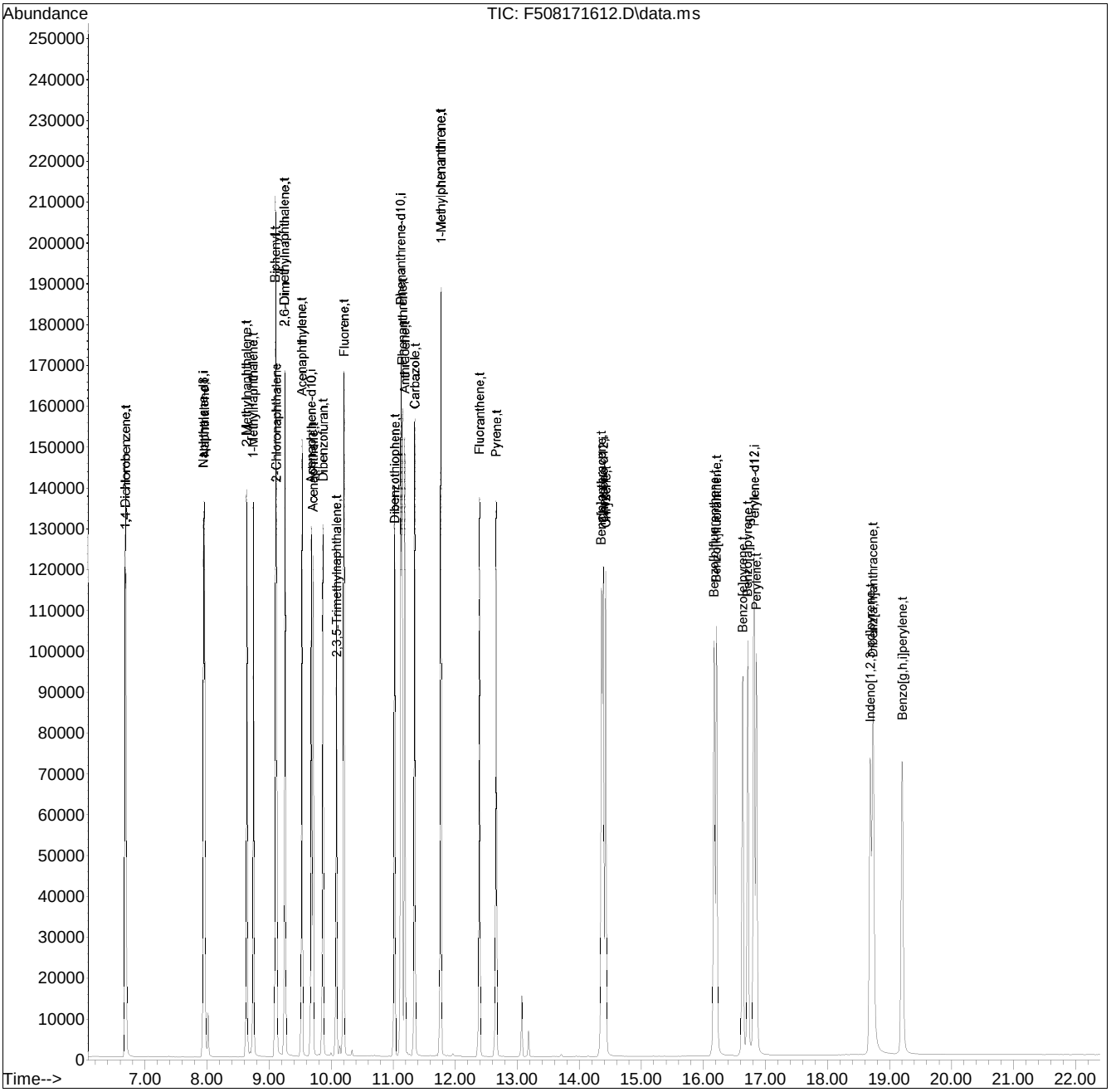
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171612.D
Acq On : 17 Aug 2016 7:29 pm
Operator : PAH5:DP
Sample : CQ508171601
Misc : WG923960,MSAJ68
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 18 12:25:12 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

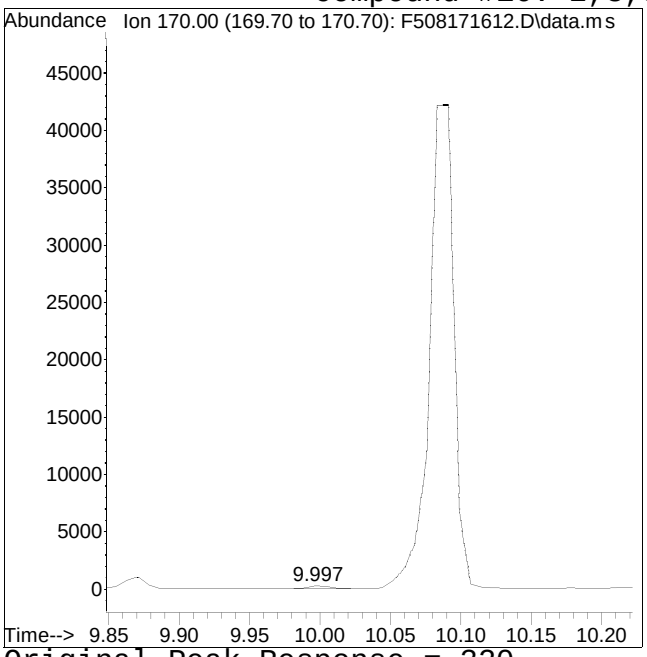
Sub List : Default - All compounds listed



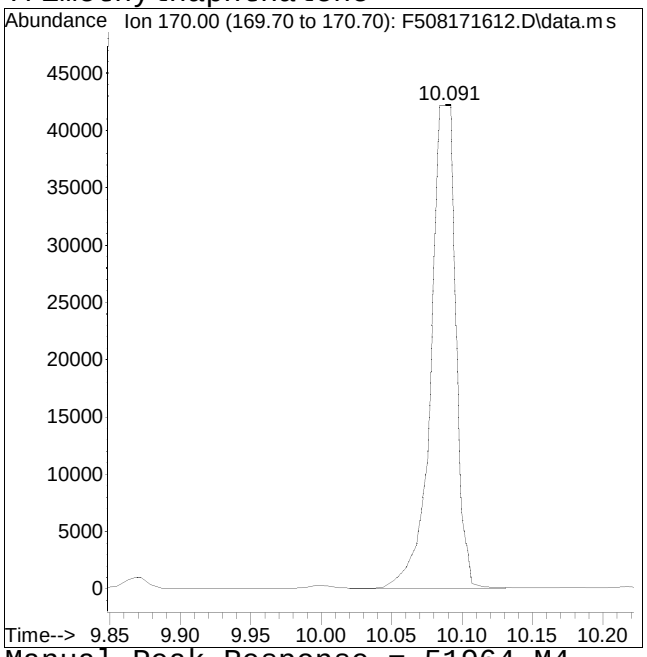
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH5\2016\ QMethod : PAH0817PAH5.M
Data File : F508171612.D Operator : PAH5:DP
Date Inj'd : 8/17/2016 7:29 pm Instrument : PAH 5
Sample : CQ508171601 Quant Date : 8/18/2016 12:24 pm

Compound #16: 2,3,5-Trimethylnaphthalene



Original Peak Response = 320



Manual Peak Response = 51964 M4

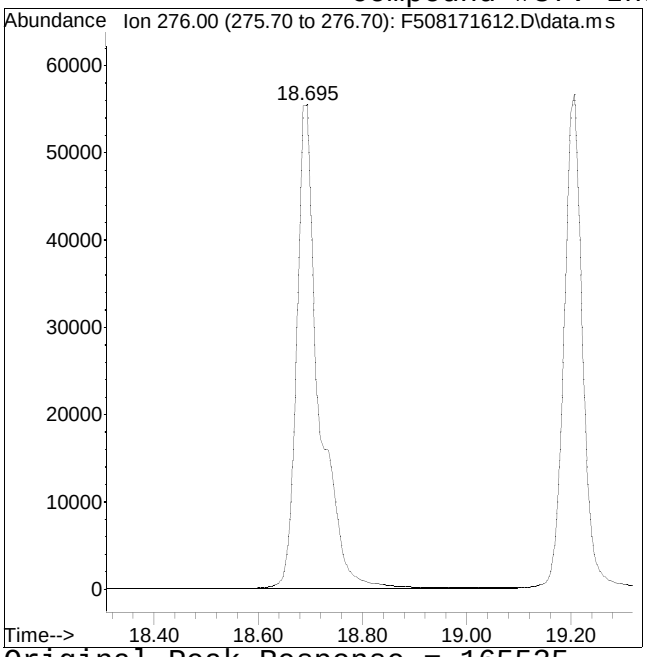
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

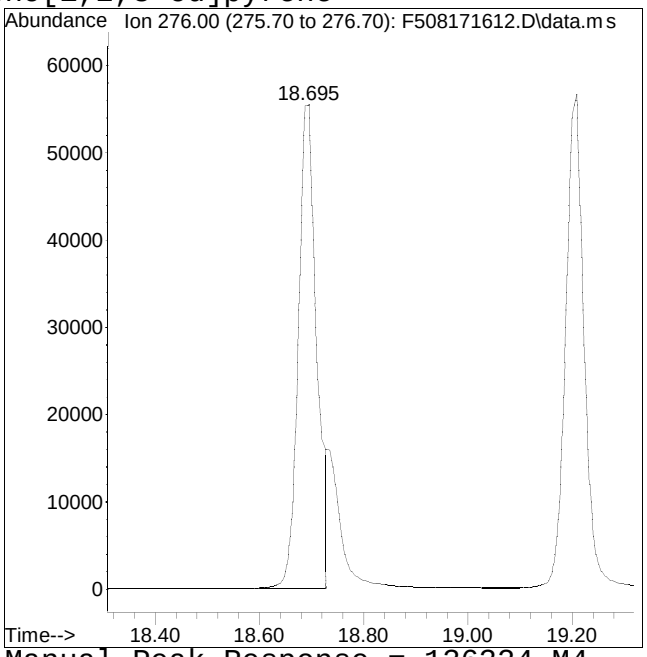
Data Path : O:\Organics\DATA\PAH5\2016\
Data File : F508171612.D
Date Inj'd : 8/17/2016 7:29 pm
Sample : CQ508171601

QMethod : PAH0817PAH5.M
Operator : PAH5:DP
Instrument : PAH 5
Quant Date : 8/18/2016 12:24 pm

Compound #37: Indeno[1,2,3-cd]pyrene



Original Peak Response = 165535



Manual Peak Response = 136324 M4

M4 = Poor automated baseline construction.

Work Group

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 19 2016, 12:04 pm

Work Group: WG923129 for Department: 2 Organic Preparation

Created: 16-AUG-16 Due: Operator: AL

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1625236-01	EB 20160811	S	A2-PAH-8270SIM	WATER	DONE	U	0818	0819	2E	Amber-A1
L1625236-02	SW1A-20160810	S	A2-PAH-8270SIM	WATER	DONE	U	0817	0819	2E	Amber-A1
L1625236-03	SW1B-20160810	S	A2-PAH-8270SIM	WATER	DONE	U	0817	0819	2E	Amber-A1
L1625236-04	SW1C-20160810	S	A2-PAH-8270SIM	WATER	DONE	U	0817	0819	2E	Amber-A1
L1625236-05	SW2A-20160810	S	A2-PAH-8270SIM	WATER	DONE	U	0817	0819	2E	Amber-A1
L1625236-06	SW2B-20160810	S	A2-PAH-8270SIM	WATER	DONE	U	0817	0819	2E	Amber-A1
L1625236-07	SW2C-20160810	S	A2-PAH-8270SIM	WATER	DONE	U	0817	0819	2E	Amber-A1
L1625236-08	SW3A-20160810	S	A2-PAH-8270SIM	WATER	DONE	U	0817	0819	2E	Amber-A1
L1625236-09	SW3B-20160810	S	A2-PAH-8270SIM	WATER	DONE	U	0817	0819	2E	Amber-A1
L1625236-10	SW3C-20160810	S	A2-PAH-8270SIM	WATER	DONE	U	0817	0819	2E	Amber-A1
L1625236-11	DUP-20160810	S	A2-PAH-8270SIM	WATER	DONE	U	0817	0819	2E	Amber-A1
WG923129-1	Laboratory Method Bl	S	A2-PAH-8270SIM	WATER	DONE	U				
WG923129-2	Laboratory Control S	S	A2-PAH-8270SIM	WATER	DONE	U				
WG923129-3	LCS Duplicate	S	A2-PAH-8270SIM	WATER	DONE	U				
WG923129-4	Matrix Spike	S	A2-PAH-8270SIM	WATER	DONE	U				
WG923129-5	Matrix Spike Duplica	S	A2-PAH-8270SIM	WATER	DONE	U				

Comments:

WG923129-3	WG923129-2
WG923129-4	L1625236-03
WG923129-5	L1625236-03

Sequence Logs

Analysis log File

Total Files Reported in Log : 30
Log Generated From Directory: O:\Organics\DATA\PAH5\2016\Aug\Aug17\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F508171601.D	DFTPPPAH5.M	TUNE	MSAK38	8/17/2016 9:37 am
2	F508171602.D	PAHSIMPAH5.M	SIM CCV	MSAJ95	8/17/2016 10:10 am
3	F508171603.D	DFTPPPAH5.M	T508171601	WG923960,MSAK38	8/17/2016 2:13 pm
4	F508171604.D	PAHSIMPAH5.M	I508171601	WG923960,MSAJ36	8/17/2016 2:45 pm
5	F508171605.D	PAHSIMPAH5.M	I508171602	WG923960,MSAJ35	8/17/2016 3:20 pm
6	F508171606.D	PAHSIMPAH5.M	I508171603	WG923960,MSAK41	8/17/2016 3:56 pm
7	F508171607.D	PAHSIMPAH5.M	I508171604	WG923960,MSAJ33	8/17/2016 4:31 pm
8	F508171608.D	PAHSIMPAH5.M	I508171605	WG923960,MSAJ95	8/17/2016 5:07 pm
9	F508171609.D	PAHSIMPAH5.M	I508171606	WG923960,MSAJ31	8/17/2016 5:43 pm
10	F508171610.D	PAHSIMPAH5.M	I508171607	WG923960,MSAJ96,X5	8/17/2016 6:19 pm
11	F508171611.D	PAHSIMPAH5.M	I508171608	WG923960,MSAJ97	8/17/2016 6:54 pm
12	F508171612.D	PAHSIMPAH5.M	CQ508171601	WG923960,MSAJ68	8/17/2016 7:29 pm
13	F508171613.D	DFTPPPAH5.M	WG923957-2	WG923957,MSAK38	8/17/2016 7:56 pm
14	F508171614.D	PAHSIMPAH5.M	WG923957-3	WG923957,MSAJ95	8/17/2016 8:28 pm
15	F508171615.D	PAHSIMPAH5.M	WG923129-1	WG923957,WG923129,IC..	8/17/2016 9:03 pm
16	F508171616.D	PAHSIMPAH5.M	WG923129-2	WG923957,WG923129,IC..	8/17/2016 9:38 pm
17	F508171617.D	PAHSIMPAH5.M	WG923129-3	WG923957,WG923129,IC..	8/17/2016 10:12 pm
18	F508171618.D	PAHSIMPAH5.M	L1625236-01	WG923957,WG923129,IC..	8/17/2016 10:47 pm
19	F508171619.D	PAHSIMPAH5.M	L1625236-02	WG923957,WG923129,IC..	8/17/2016 11:21 pm
20	F508171620.D	PAHSIMPAH5.M	L1625236-03	WG923957,WG923129,IC..	8/17/2016 11:55 pm
21	F508171621.D	PAHSIMPAH5.M	WG923129-4	WG923957,WG923129,IC..	8/18/2016 12:29 am
22	F508171622.D	PAHSIMPAH5.M	WG923129-5	WG923957,WG923129,IC..	8/18/2016 1:04 am
23	F508171623.D	PAHSIMPAH5.M	L1625236-04	WG923957,WG923129,IC..	8/18/2016 1:38 am
24	F508171624.D	PAHSIMPAH5.M	L1625236-05	WG923957,WG923129,IC..	8/18/2016 2:12 am
25	F508171625.D	PAHSIMPAH5.M	L1625236-06	WG923957,WG923129,IC..	8/18/2016 2:47 am
26	F508171626.D	PAHSIMPAH5.M	L1625236-07	WG923957,WG923129,IC..	8/18/2016 3:21 am
27	F508171627.D	PAHSIMPAH5.M	L1625236-08	WG923957,WG923129,IC..	8/18/2016 3:55 am
28	F508171628.D	PAHSIMPAH5.M	L1625236-09	WG923957,WG923129,IC..	8/18/2016 4:29 am
29	F508171629.D	PAHSIMPAH5.M	L1625236-10	WG923957,WG923129,IC..	8/18/2016 5:03 am
30	F508171630.D	PAHSIMPAH5.M	L1625236-11	WG923957,WG923129,IC..	8/18/2016 5:37 am

SeqLog 1.0 - (c) 2009 Abacus Database Applications

Analysis log File

Total Files Reported in Log : 30
Log Generated From Directory: O:\Organics\DATA\PAH5\2016\Aug\Aug17\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F508171601.D	DFTPPPAH5.M	TUNE	MSAK38	8/17/2016 9:37 am
2	F508171602.D	PAHSIMPAH5.M	SIM CCV	MSAJ95	8/17/2016 10:10 am
3	F508171603.D	DFTPPPAH5.M	T508171601	WG923960,MSAK38	8/17/2016 2:13 pm
4	F508171604.D	PAHSIMPAH5.M	I508171601	WG923960,MSAJ36	8/17/2016 2:45 pm
5	F508171605.D	PAHSIMPAH5.M	I508171602	WG923960,MSAJ35	8/17/2016 3:20 pm
6	F508171606.D	PAHSIMPAH5.M	I508171603	WG923960,MSAK41	8/17/2016 3:56 pm
7	F508171607.D	PAHSIMPAH5.M	I508171604	WG923960,MSAJ33	8/17/2016 4:31 pm
8	F508171608.D	PAHSIMPAH5.M	I508171605	WG923960,MSAJ95	8/17/2016 5:07 pm
9	F508171609.D	PAHSIMPAH5.M	I508171606	WG923960,MSAJ31	8/17/2016 5:43 pm
10	F508171610.D	PAHSIMPAH5.M	I508171607	WG923960,MSAJ96,X5	8/17/2016 6:19 pm
11	F508171611.D	PAHSIMPAH5.M	I508171608	WG923960,MSAJ97	8/17/2016 6:54 pm
12	F508171612.D	PAHSIMPAH5.M	CQ508171601	WG923960,MSAJ68	8/17/2016 7:29 pm
13	F508171613.D	DFTPPPAH5.M	WG923957-2	WG923957,MSAK38	8/17/2016 7:56 pm
14	F508171614.D	PAHSIMPAH5.M	WG923957-3	WG923957,MSAJ95	8/17/2016 8:28 pm
15	F508171615.D	PAHSIMPAH5.M	WG923129-1	WG923957,WG923129,IC..	8/17/2016 9:03 pm
16	F508171616.D	PAHSIMPAH5.M	WG923129-2	WG923957,WG923129,IC..	8/17/2016 9:38 pm
17	F508171617.D	PAHSIMPAH5.M	WG923129-3	WG923957,WG923129,IC..	8/17/2016 10:12 pm
18	F508171618.D	PAHSIMPAH5.M	L1625236-01	WG923957,WG923129,IC..	8/17/2016 10:47 pm
19	F508171619.D	PAHSIMPAH5.M	L1625236-02	WG923957,WG923129,IC..	8/17/2016 11:21 pm
20	F508171620.D	PAHSIMPAH5.M	L1625236-03	WG923957,WG923129,IC..	8/17/2016 11:55 pm
21	F508171621.D	PAHSIMPAH5.M	WG923129-4	WG923957,WG923129,IC..	8/18/2016 12:29 am
22	F508171622.D	PAHSIMPAH5.M	WG923129-5	WG923957,WG923129,IC..	8/18/2016 1:04 am
23	F508171623.D	PAHSIMPAH5.M	L1625236-04	WG923957,WG923129,IC..	8/18/2016 1:38 am
24	F508171624.D	PAHSIMPAH5.M	L1625236-05	WG923957,WG923129,IC..	8/18/2016 2:12 am
25	F508171625.D	PAHSIMPAH5.M	L1625236-06	WG923957,WG923129,IC..	8/18/2016 2:47 am
26	F508171626.D	PAHSIMPAH5.M	L1625236-07	WG923957,WG923129,IC..	8/18/2016 3:21 am
27	F508171627.D	PAHSIMPAH5.M	L1625236-08	WG923957,WG923129,IC..	8/18/2016 3:55 am
28	F508171628.D	PAHSIMPAH5.M	L1625236-09	WG923957,WG923129,IC..	8/18/2016 4:29 am
29	F508171629.D	PAHSIMPAH5.M	L1625236-10	WG923957,WG923129,IC..	8/18/2016 5:03 am
30	F508171630.D	PAHSIMPAH5.M	L1625236-11	WG923957,WG923129,IC..	8/18/2016 5:37 am

SeqLog 1.0 - (c) 2009 Abacus Database Applications

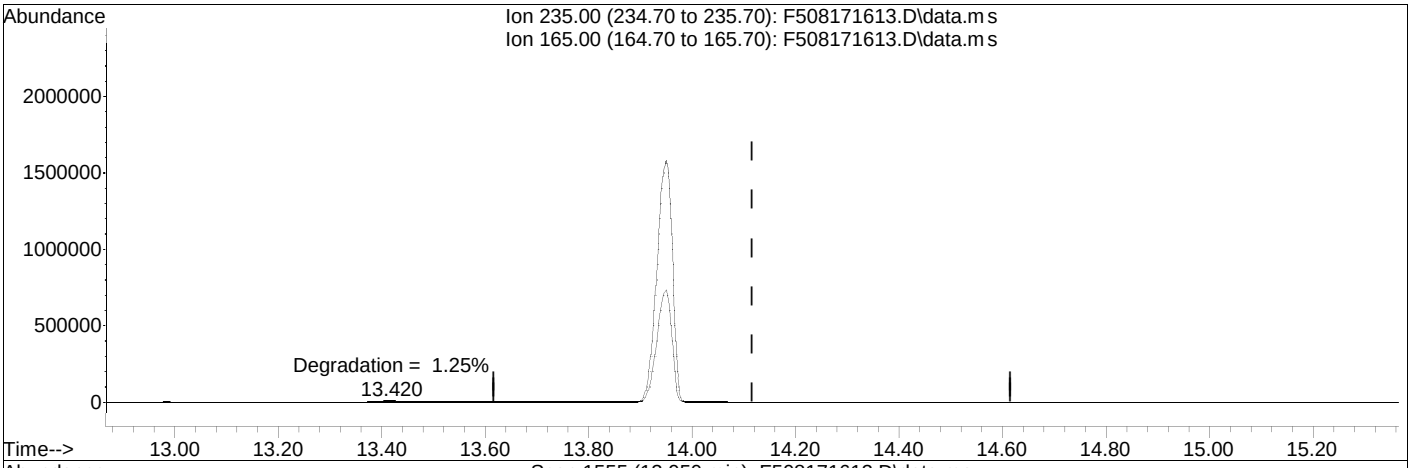
Analytical Event

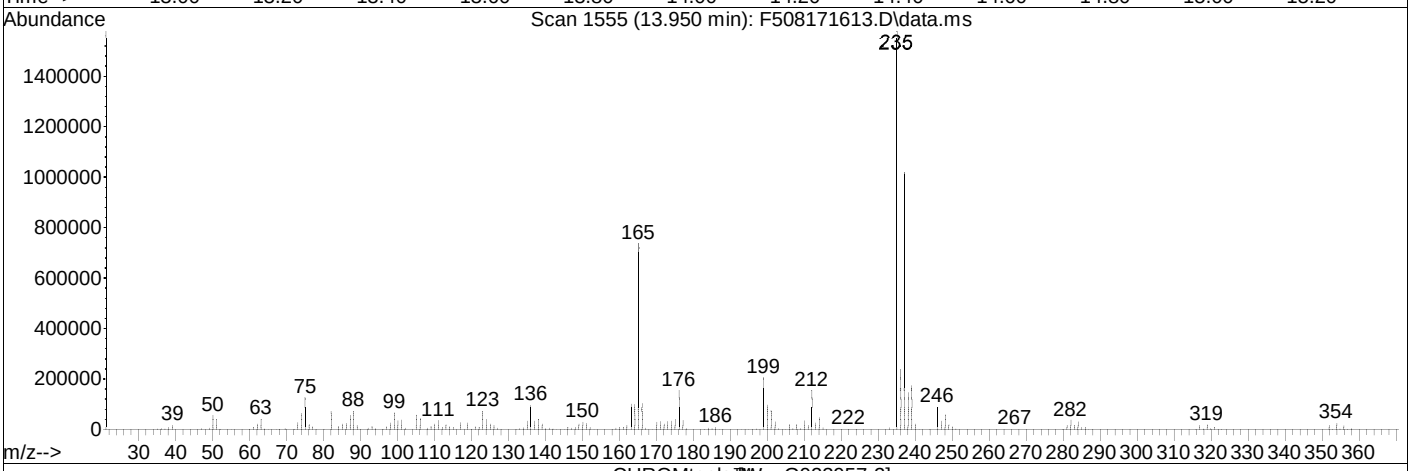
Degradation Check Standard

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171613.D
Acq On : 17 Aug 2016 7:56 pm
Operator : PAH5:DP
Sample : WG923957-2
Misc : WG923957,MSAK38
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 18 17:03:09 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\DFTPPPAH5.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 08 09:57:46 2016
Response via : Initial Calibration





CHROMtools TM W G923957-2]

(4) DDT ( )

13.950min (-0.166) 0.00

response 3169796

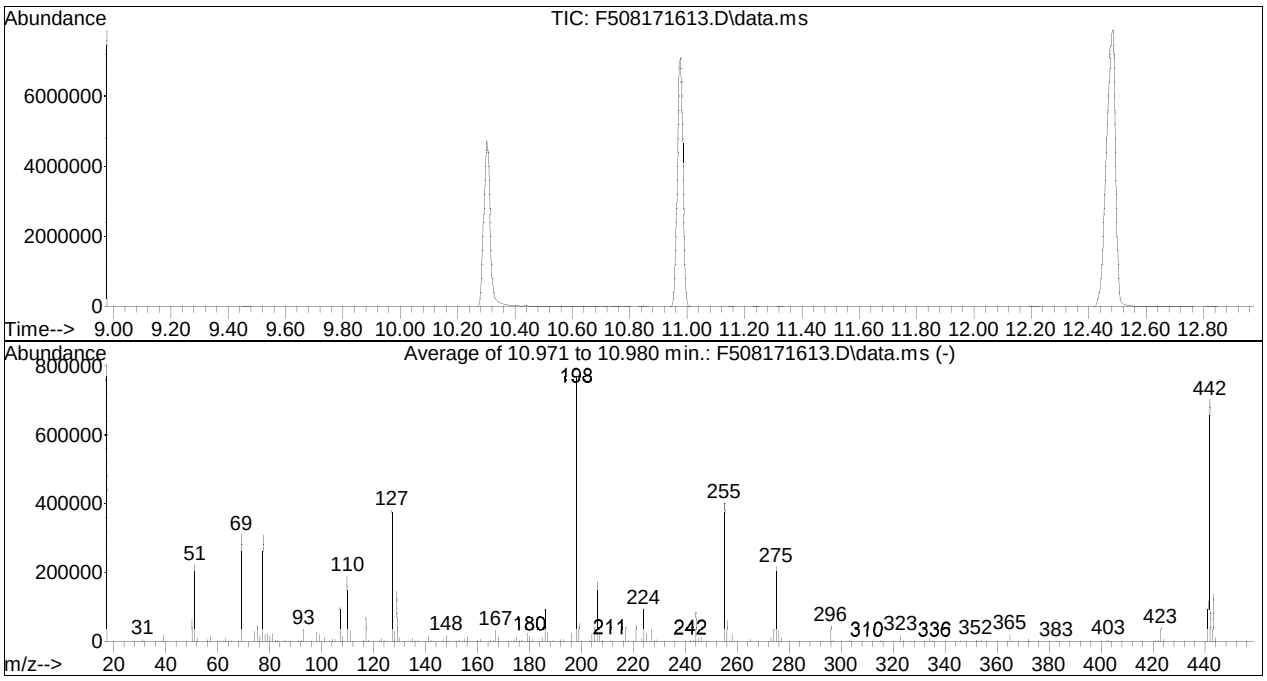
Ion	Exp%	Act%
235.00	100	100
165.00	48.90	45.19
0.00	0.00	0.00
0.00	0.00	0.00

Continuing Calibration
DFTPP Tune

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171613.D
Acq On : 17 Aug 2016 7:56 pm
Operator : PAH5:DP
Sample : WG923957-1
Misc : WG923957,MSAK38
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Title : PAH's by SIM
Last Update : Thu Aug 18 12:24:23 2016



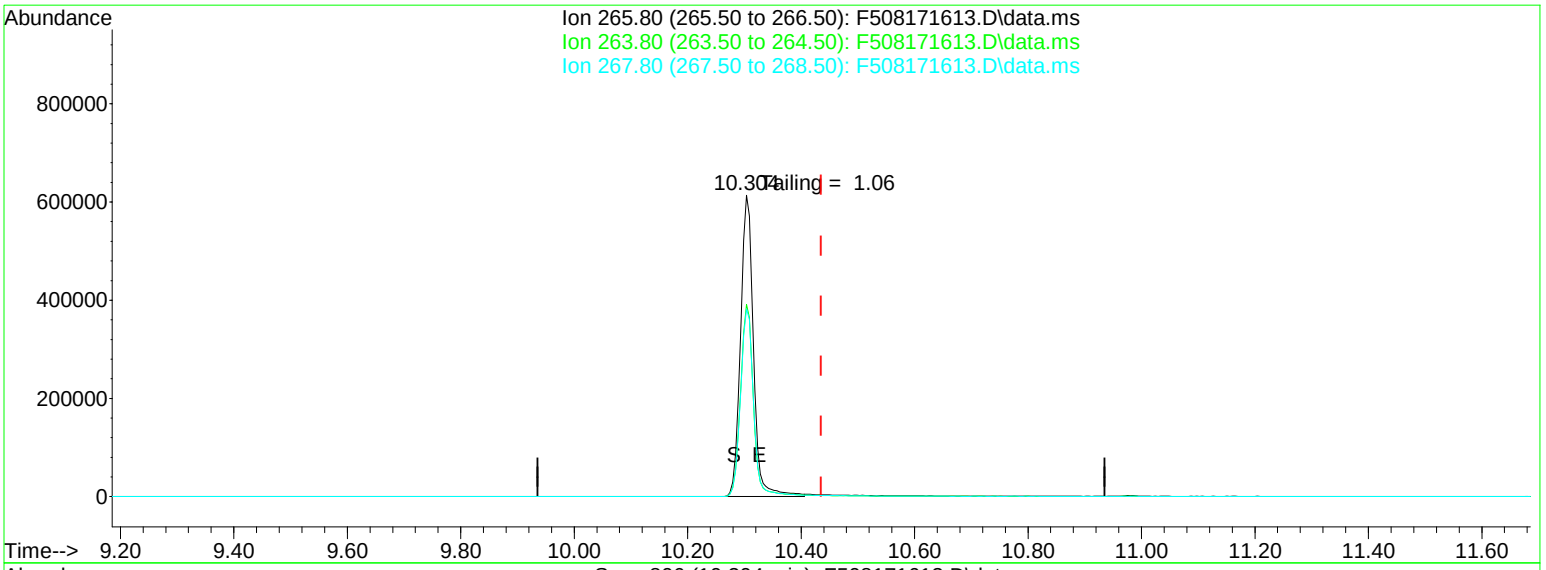
Spectrum Information: Average of 10.971 to 10.980 min.

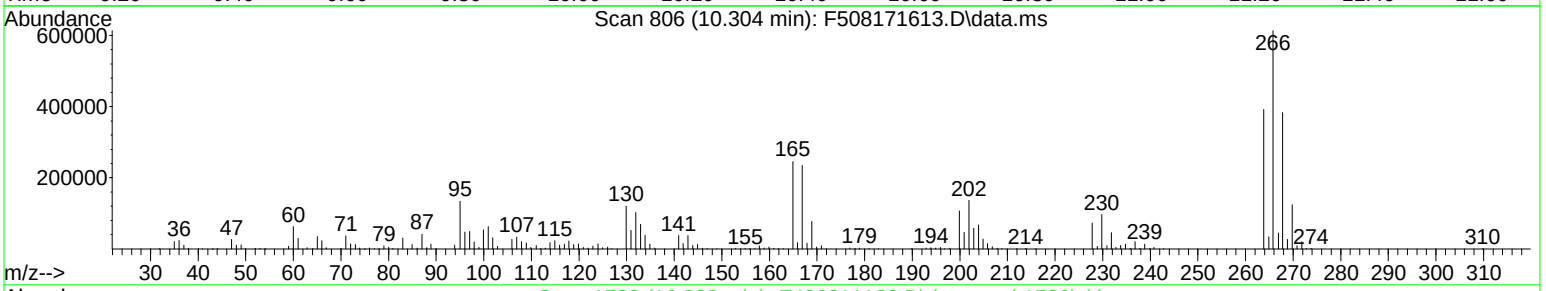
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	29.1	223275	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.5	1478	PASS
127	198	10	80	49.7	381291	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	766741	PASS
199	198	5	9	6.9	52851	PASS
275	198	10	60	28.3	217216	PASS
365	198	1	100	2.8	21307	PASS
441	442	0.01	24	16.8	117725	PASS
442	198	50	100	91.6	702528	PASS
443	442	15	24	19.5	136963	PASS

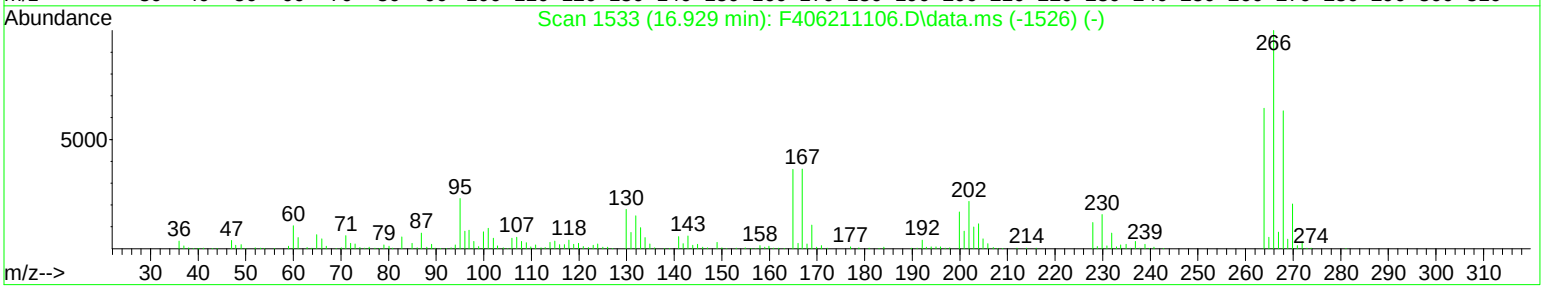
Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171613.D
Acq On : 17 Aug 2016 7:56 pm
Operator : PAH5:DP
Sample : WG923957-2
Misc : WG923957,MSAK38
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 18 17:03:09 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\DFTPPPAH5.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 08 09:57:46 2016
Response via : Initial Calibration







CHROMtools™ [WG923957-2]

(1) Pentachlorophenol (MC)

10.304min (-0.131) 18.59 ug/mL

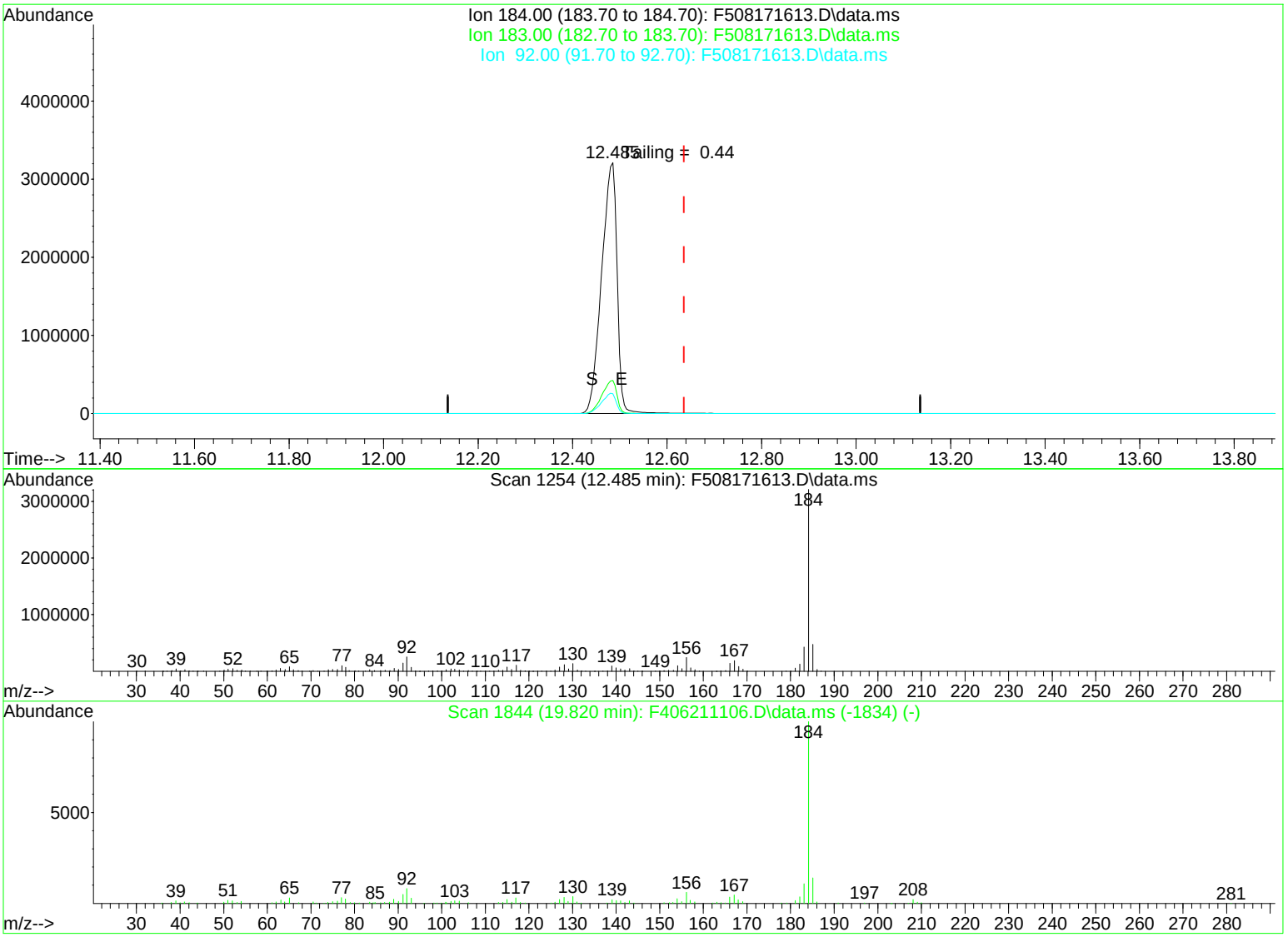
response 973142

Ion	Exp%	Act%
265.80	100	100
263.80	63.20	63.08
267.80	63.80	63.42
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171613.D
Acq On : 17 Aug 2016 7:56 pm
Operator : PAH5:DP
Sample : WG923957-2
Misc : WG923957,MSAK38
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 18 17:03:09 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\DFTPPPAH5.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 08 09:57:46 2016
Response via : Initial Calibration



CHROMtools™ [WG923957-2]

(3) Benzidine (T)

12.485min (-0.151) 89.90 ug/mL

response 7314730 ~4 x >CAL (25)

Ion	Exp%	Act%
184.00	100	100
183.00	12.50	12.85
92.00	9.00	7.71
0.00	0.00	0.00

Continuing Calibration

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171614.D
Acq On : 17 Aug 2016 8:28 pm
Operator : PAH5:DP
Sample : WG923957-3
Misc : WG923957,MSAJ95
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 12:26:03 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	Naphthalene-d8	1.000	1.000	0.0	103	0.00
2	t	Naphthalene	1.054	1.008	4.4	104	0.00
3	t	1,4-Dichlorobenzene	0.508	0.502	1.2	105	0.00
4	s	2-Methylnaphthalene-d10	0.580	0.541	6.7	102	0.00
5	t	2-Methylnaphthalene	0.630	0.574	8.9	102	0.00
6	t	1-Methylnaphthalene	0.673	0.638	5.2	102	0.00
7	i	Acenaphthene-d10	1.000	1.000	0.0	103	0.00
8	t	Dibenzothiophene	2.375	2.293	3.5	102	0.00
9		2-Chloronaphthalene	1.548	1.492	3.6	102	0.00
10	t	Biphenyl	1.748	1.649	5.7	102	0.00
11	t	2,6-Dimethylnaphthalene	1.207	1.157	4.1	101	0.00
12	t	Acenaphthylene	2.267	2.170	4.3	101	0.00
13	t	Acenaphthene	1.372	1.306	4.8	102	0.00
14	t	Dibenzofuran	2.003	1.904	4.9	101	0.00
15	t	Fluorene	1.556	1.493	4.0	102	0.00
16	t	2,3,5-Trimethylnaphthalene	1.082	1.038	4.1	102	0.00
17	i	Phenanthrene-d10	1.000	1.000	0.0	102	0.00
18	s	Fluoranthene-d10	0.965	0.903	6.4	99	0.00
19	t	Phenanthrene	1.161	1.114	4.0	102	0.00
20	t	Anthracene	1.114	1.077	3.3	101	0.00
21	t	Carbazole	1.108	1.050	5.2	100	0.00
22	t	1-Methylphenanthrene	0.821	0.781	4.9	99	0.00
23	t	Fluoranthene	1.269	1.226	3.4	100	0.00
24	i	Chrysene-d12	1.000	1.000	0.0	101	0.00
25	s	Pyrene-d10	0.878	0.822	6.4	99	0.00
26	t	Pyrene	1.359	1.322	2.7	100	0.00
27	t	Benz[a]anthracene	1.227	1.125	8.3	98	0.00
28	t	Chrysene	1.159	1.109	4.3	100	0.00
29	i	Perylene-d12	1.000	1.000	0.0	98	0.00
30	s	Benzo(a)pyrene-d12	0.813	0.758	6.8	97	0.00
31	s	Benzo[b]fluoranthene-d12	0.874	0.824	5.7	98	0.00
32	t	Benzo[b]fluoranthene	1.331	1.287	3.3	96	0.00
33	t	Benzo[k]fluoranthene	1.111	1.110	0.1	101	0.00
34	t	Benzo[e]pyrene	1.176	1.139	3.1	98	0.00
35	t	Benzo[a]pyrene	1.165	1.158	0.6	98	0.00

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171614.D
Acq On : 17 Aug 2016 8:28 pm
Operator : PAH5:DP
Sample : WG923957-3
Misc : WG923957,MSAJ95
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 12:26:03 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36 t	Perylene	1.231	1.211	1.6	99	0.00
37 t	Indeno[1,2,3-cd]pyrene	1.238	1.121	9.5	92	0.00
38 t	Dibenz[a,h]anthracene	1.224	1.158	5.4	97	0.00
39 t	Benzo[g,h,i]perylene	1.266	1.190	6.0	96	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Mass Discrimination (Concentration)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	0.98	0.70 - 1.30

Mass Discrimination (Response)	Ratio	Range Limits
Benzo[g,h,i]perylene to Phenanthrene	1.05	0.70 - 2.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171614.D
Acq On : 17 Aug 2016 8:28 pm
Operator : PAH5:DP
Sample : WG923957-3
Misc : WG923957,MSAJ95
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 12:26:03 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.946	136	127903	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.682	164	63521	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.122	188	127222	500.000	ng/mL	0.00
24) Chrysene-d12	14.387	240	128657	500.000	ng/mL	0.00
29) Perylene-d12	16.817	264	124493	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.611	152	69180	466.237	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 9.32%#			
18) Fluoranthene-d10	12.375	212	114896	467.884	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 93.58%			
25) Pyrene-d10	12.643	212	105750	468.135	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 9.36%#			
30) Benzo(a)pyrene-d12	16.675	264	94374	466.268	ng/mL	0.00
Spiked Amount 500.000	Range 30 - 150		Recovery = 93.25%			
31) Benzo[b]fluoranthene-d12	16.138	264	102563	471.087	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 9.42%#			
Target Compounds						Qvalue
2) Naphthalene	7.960	128	128955	478.325	ng/mL	99
3) 1,4-Dichlorobenzene	6.693	146	64177	494.313	ng/mL	97
5) 2-Methylnaphthalene	8.640	142	73415	455.268	ng/mL	98
6) 1-Methylnaphthalene	8.746	142	81614	473.967	ng/mL	97
8) Dibenzothiophene	11.028	184	145643	482.750	ng/mL	96
9) 2-Chloronaphthalene	9.121	162	94768	481.909	ng/mL	98
10) Biphenyl	9.107	154	104775	471.931	ng/mL	99
11) 2,6-Dimethylnaphthalene	9.262	156	73475	479.167	ng/mL	97
12) Acenaphthylene	9.532	152	137827	478.547	ng/mL	98
13) Acenaphthene	9.713	153	82986	476.084	ng/mL	100
14) Dibenzofuran	9.871	168	120925	475.178	ng/mL#	80
15) Fluorene	10.209	166	94850	479.929	ng/mL	99
16) 2,3,5-Trimethylnaphthalen	10.091	170	65925M4	479.391	ng/mL	
19) Phenanthrene	11.146	178	141744	479.842	ng/mL	100
20) Anthracene	11.185	178	137026	483.221	ng/mL	99
21) Carbazole	11.343	167	133591	473.821	ng/mL	98
22) 1-Methylphenanthrene	11.768	192	99301	475.447	ng/mL	100
23) Fluoranthene	12.390	202	156017	483.324	ng/mL	97
26) Pyrene	12.659	202	170081	486.440	ng/mL	97
27) Benz[a]anthracene	14.363	228	144700	458.245	ng/mL	99
28) Chrysene	14.426	228	142637	478.454	ng/mL	100

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171614.D
Acq On : 17 Aug 2016 8:28 pm
Operator : PAH5:DP
Sample : WG923957-3
Misc : WG923957,MSAJ95
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 12:26:03 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo[b]fluoranthene	16.170	252	160239	483.628	ng/mL	100
33) Benzo[k]fluoranthene	16.209	252	138216	499.774	ng/mL	100
34) Benzo[e]pyrene	16.636	252	141784	484.376	ng/mL	100
35) Benzo[a]pyrene	16.714	252	144176	496.852	ng/mL	100
36) Perylene	16.856	252	150788	491.942	ng/mL	100
37) Indeno[1,2,3-cd]pyrene	18.695	276	139584M4	452.691	ng/mL	
38) Dibenz[a,h]anthracene	18.734	278	144185	472.939	ng/mL	92
39) Benzo[g,h,i]perylene	19.208	276	148149	470.155	ng/mL#	71

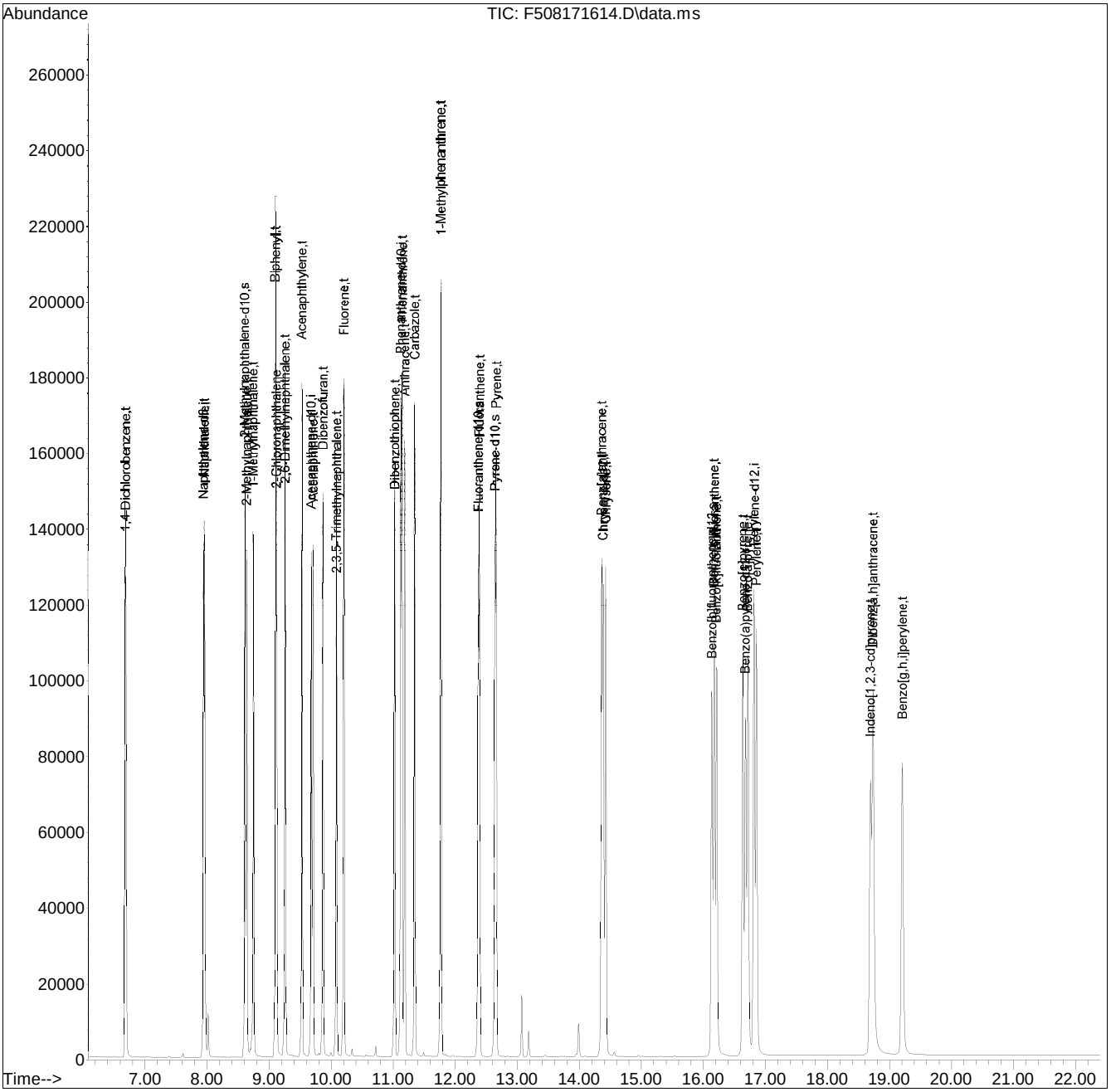
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171614.D
Acq On : 17 Aug 2016 8:28 pm
Operator : PAH5:DP
Sample : WG923957-3
Misc : WG923957,MSAJ95
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 12:26:03 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : Default - All compounds listed



Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171618.D
Acq On : 17 Aug 2016 10:47 pm
Operator : PAH5:DP
Sample : L1625236-01
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 18 12:32:01 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.946	136	122949	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.682	164	60794	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.122	188	119319	500.000	ng/mL	0.00
24) Chrysene-d12	14.387	240	117276	500.000	ng/mL	0.00
29) Perylene-d12	16.817	264	111995	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.611	152	55777	391.055	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 7.82%#			
25) Pyrene-d10	12.643	212	90577	439.878	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.80%#			
31) Benzo[b]fluoranthene-d12	16.130	264	89366	456.277	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 9.13%#			
Target Compounds						Qvalue
2) Naphthalene	7.960	128	828	3.195	ng/mL#	75
5) 2-Methylnaphthalene	8.640	142	213	1.374	ng/mL	98
12) Acenaphthylene	0.000		0	N.D.	d	
13) Acenaphthene	9.705	153	123	0.737	ng/mL#	53
15) Fluorene	10.209	166	147M4	0.777	ng/mL	
19) Phenanthrene	11.146	178	1233	4.451	ng/mL#	90
20) Anthracene	11.185	178	58	N.D.		
23) Fluoranthene	12.390	202	477	1.576	ng/mL#	79
26) Pyrene	12.659	202	191M4	0.599	ng/mL	
27) Benz[a]anthracene	0.000		0	N.D.	d	
28) Chrysene	14.418	228	39	N.D.		
32) Benzo[b]fluoranthene	16.170	252	64	N.D.		
33) Benzo[k]fluoranthene	16.209	252	55	N.D.		
35) Benzo[a]pyrene	16.714	252	43	N.D.		
37) Indeno[1,2,3-cd]pyrene	18.687	276	136	N.D.		
38) Dibenz[a,h]anthracene	18.734	278	107	N.D.		
39) Benzo[g,h,i]perylene	19.200	276	57	N.D.		

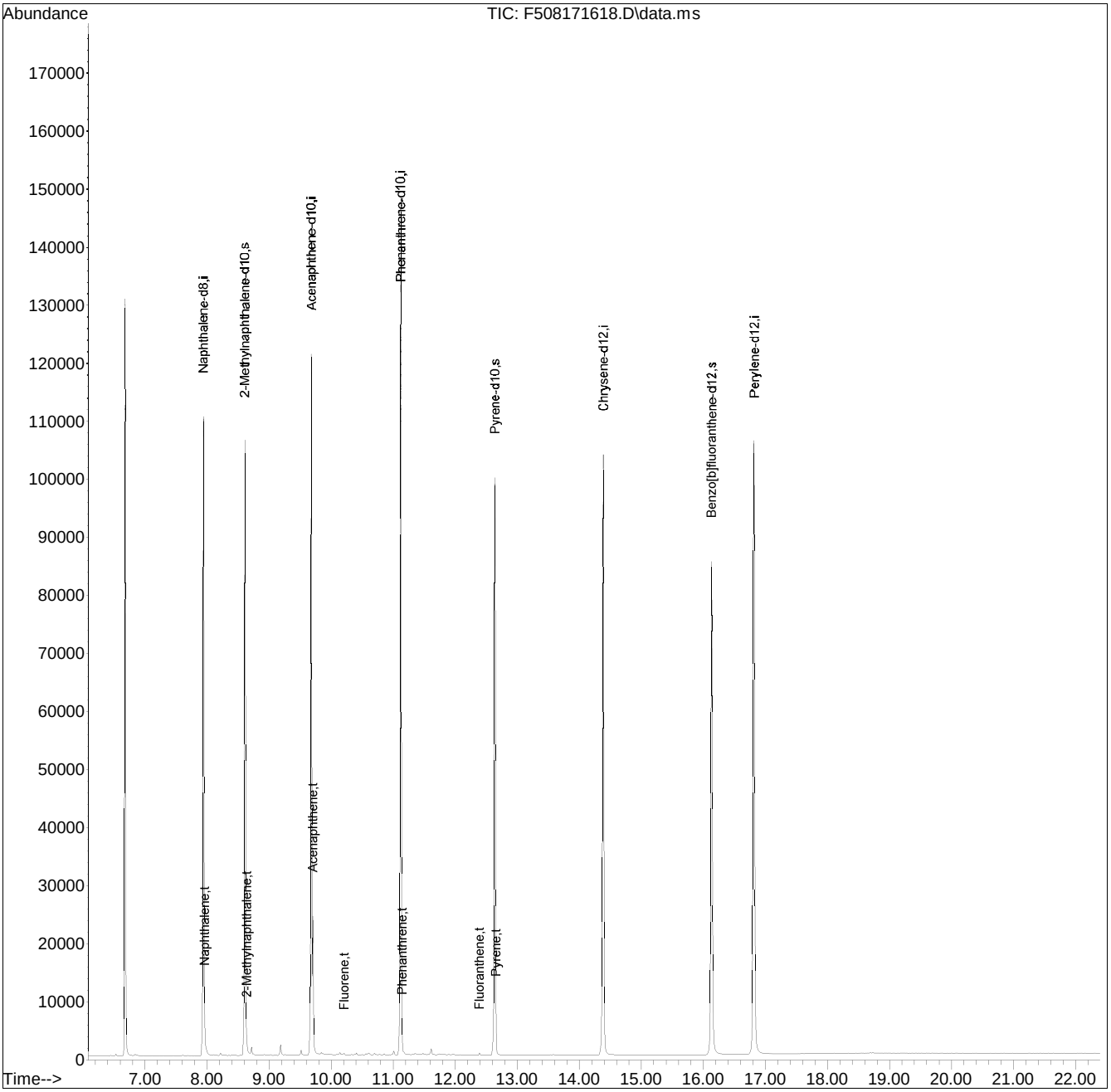
(#) = qualifier out of range (m) = manual integration (+) = signals summed

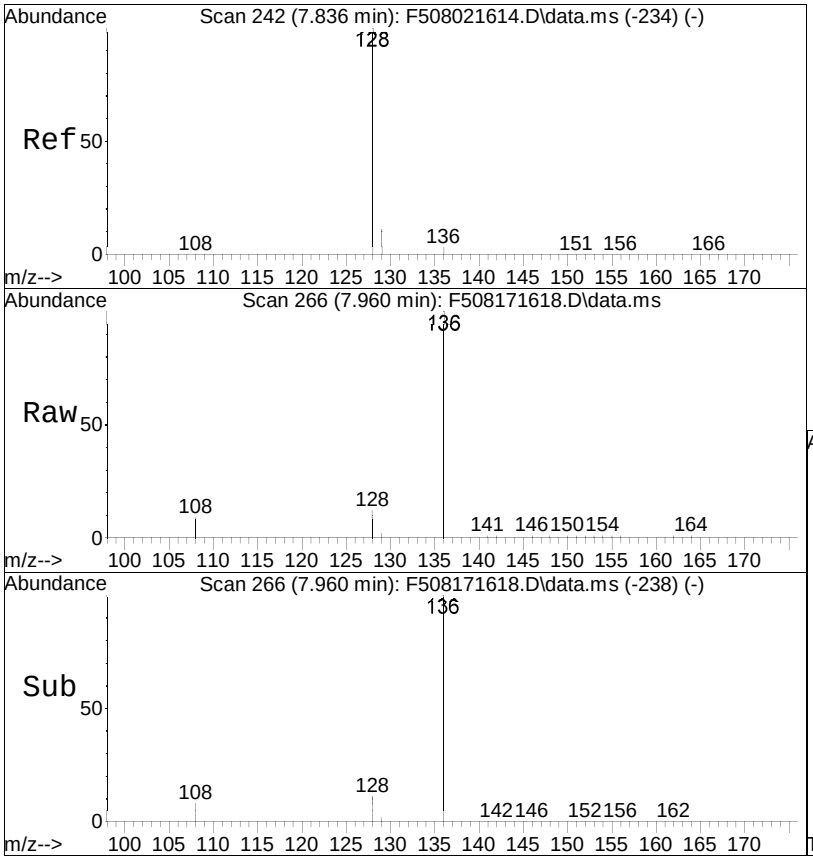
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171618.D
Acq On : 17 Aug 2016 10:47 pm
Operator : PAH5:DP
Sample : L1625236-01
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 18 12:32:01 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

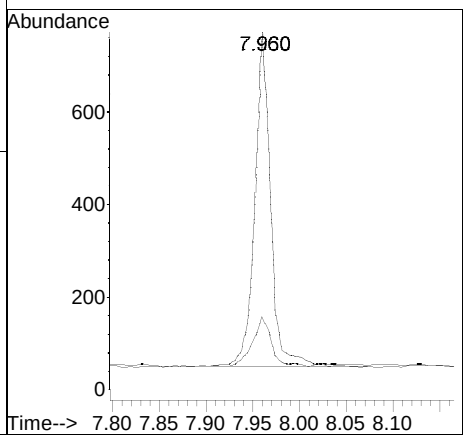


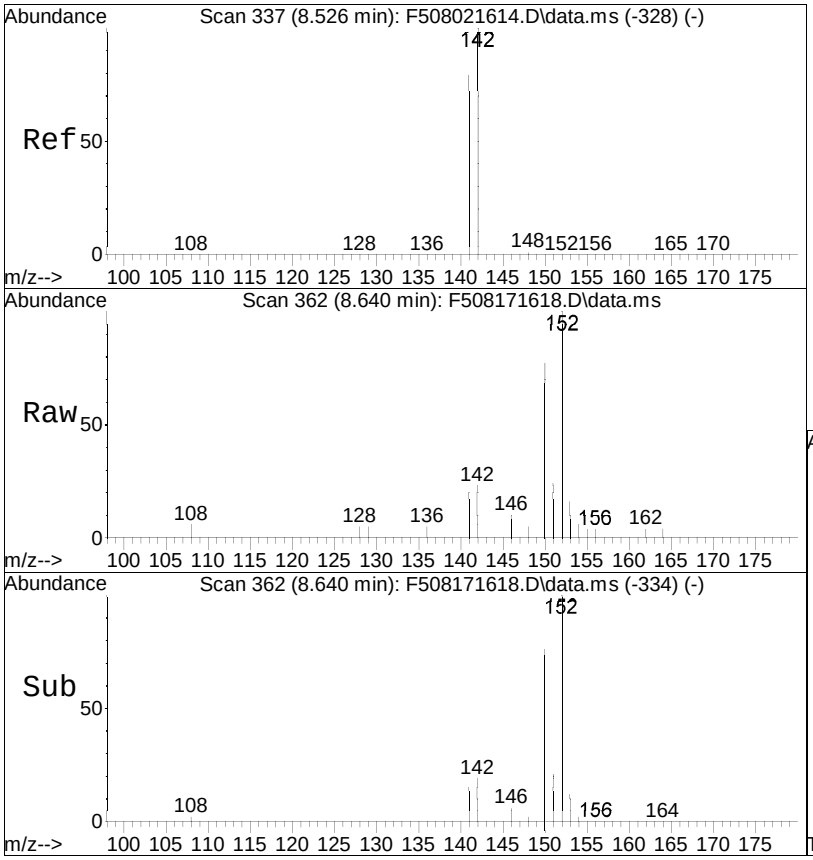


#2
Naphthalene
Concen: 3.19 ng/mL
RT: 7.960 min Scan# 266
Delta R.T. -0.000 min
Lab File: F508171618.D
Acq: 17 Aug 2016 10:47 pm

Tgt Ion:128 Resp: 828

Ion	Ratio	Lower	Upper
128	100		
129	20.4	8.6	13.0#

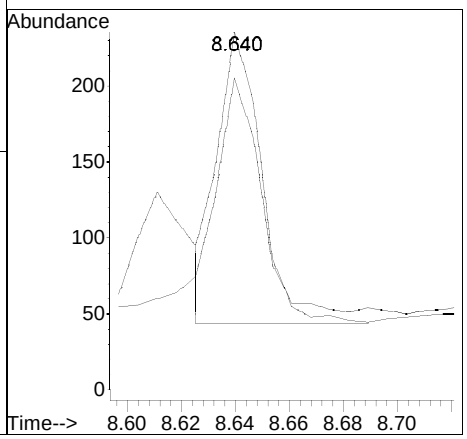


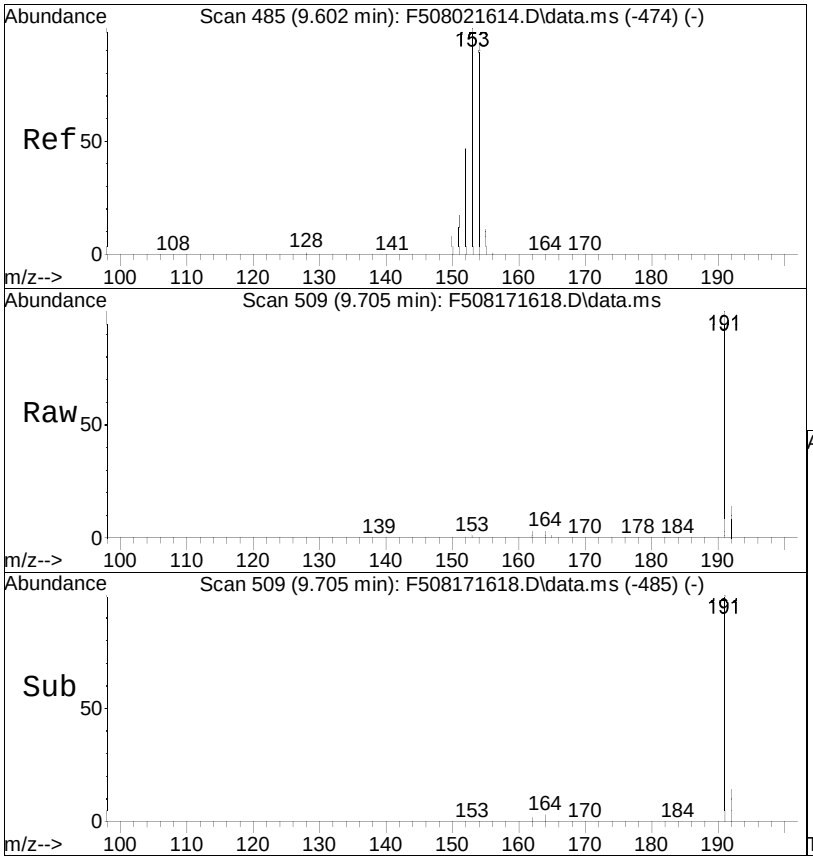


#5
2-Methylnaphthalene
Concen: 1.37 ng/mL
RT: 8.640 min Scan# 362
Delta R.T. -0.000 min
Lab File: F508171618.D
Acq: 17 Aug 2016 10:47 pm

Tgt Ion:142 Resp: 213

Ion	Ratio	Lower	Upper
142	100		
141	87.2	68.5	102.7

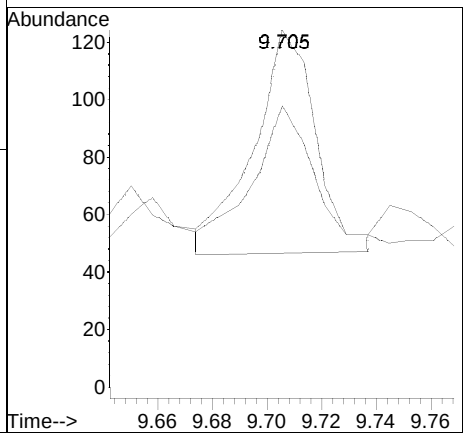


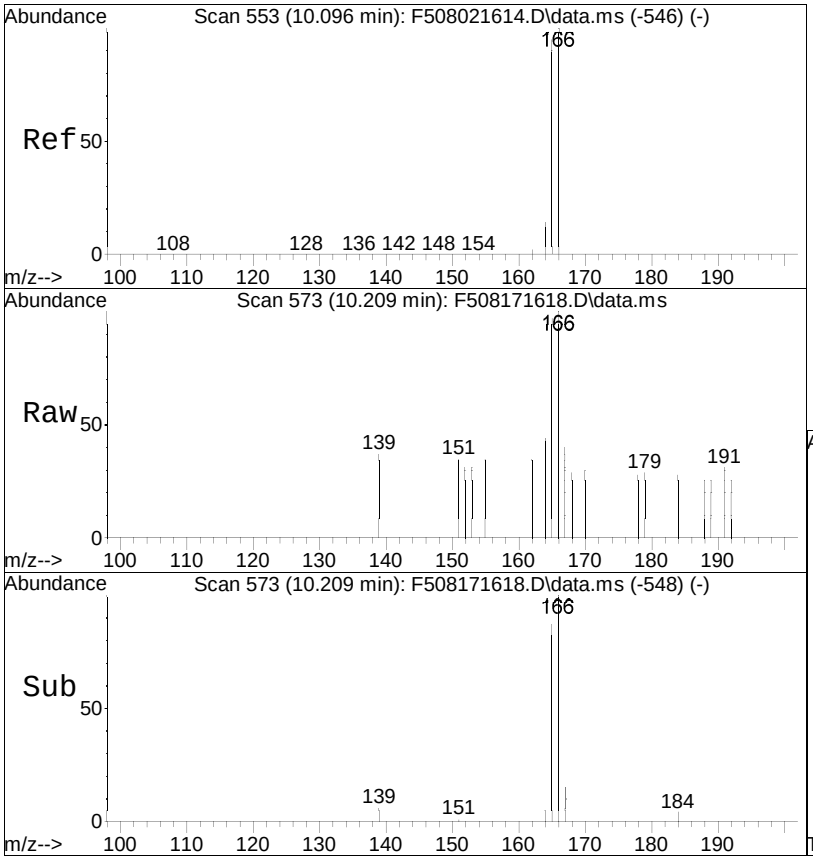


#13
Acenaphthene
Concen: 0.74 ng/mL
RT: 9.705 min Scan# 509
Delta R.T. -0.008 min
Lab File: F508171618.D
Acq: 17 Aug 2016 10:47 pm

Tgt Ion:153 Resp: 123

Ion	Ratio	Lower	Upper
153	100		
152	79.0	38.0	57.0#

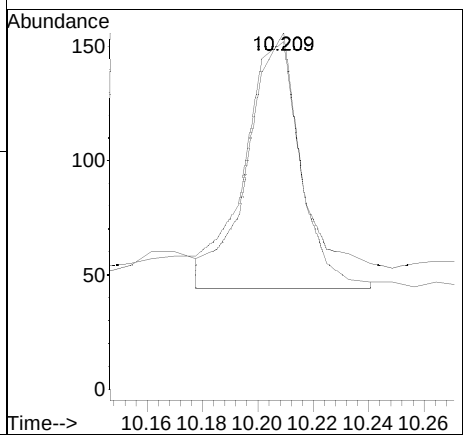


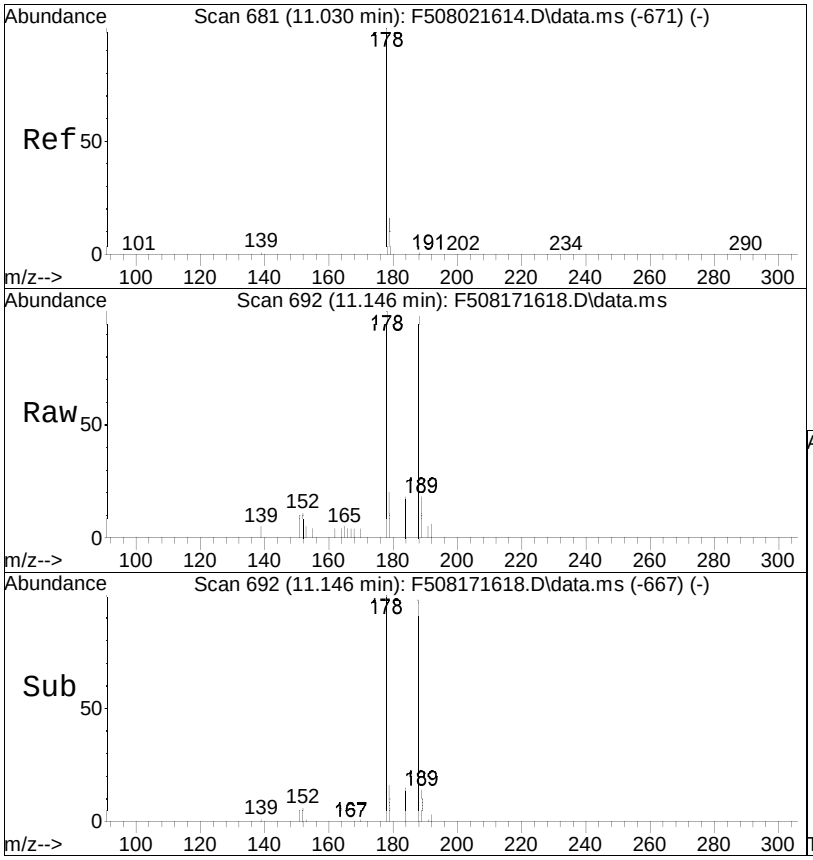


#15
Fluorene
Concen: 0.78 ng/mL M4
RT: 10.209 min Scan# 573
Delta R.T. -0.000 min
Lab File: F508171618.D
Acq: 17 Aug 2016 10:47 pm

Tgt Ion:166 Resp: 147

Ion	Ratio	Lower	Upper
166	100		
165	97.4	72.8	109.2

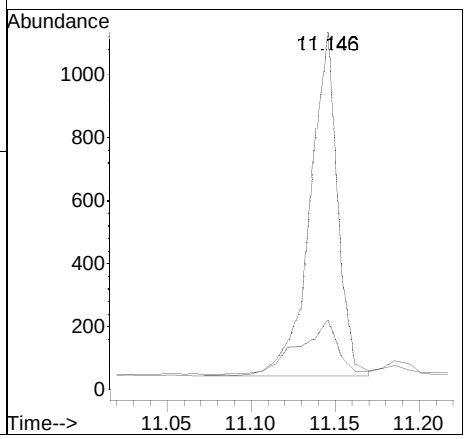


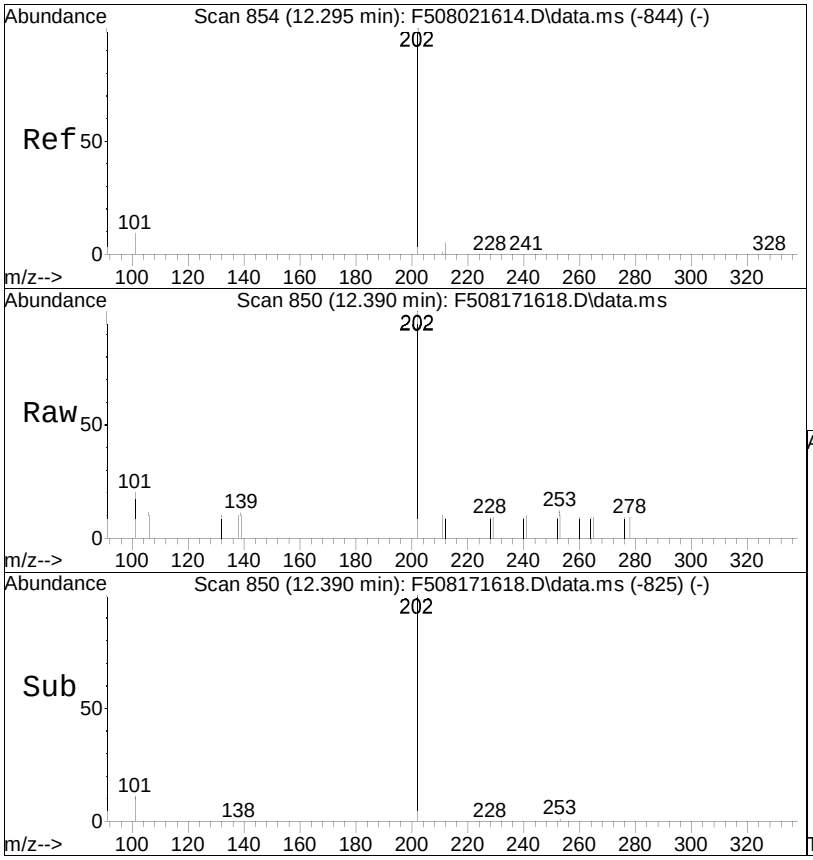


#19
Phenanthrene
Concen: 4.45 ng/mL
RT: 11.146 min Scan# 692
Delta R.T. -0.000 min
Lab File: F508171618.D
Acq: 17 Aug 2016 10:47 pm

Tgt Ion:178 Resp: 1233

Ion	Ratio	Lower	Upper
178	100		
179	19.6	12.3	18.5#

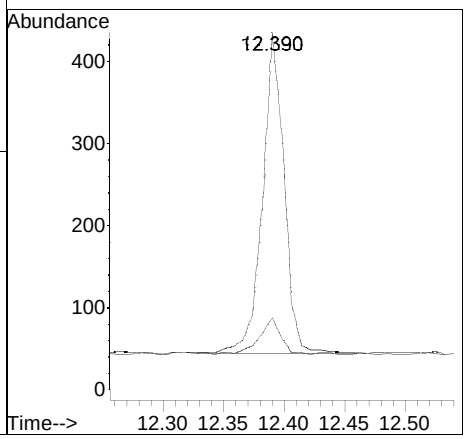


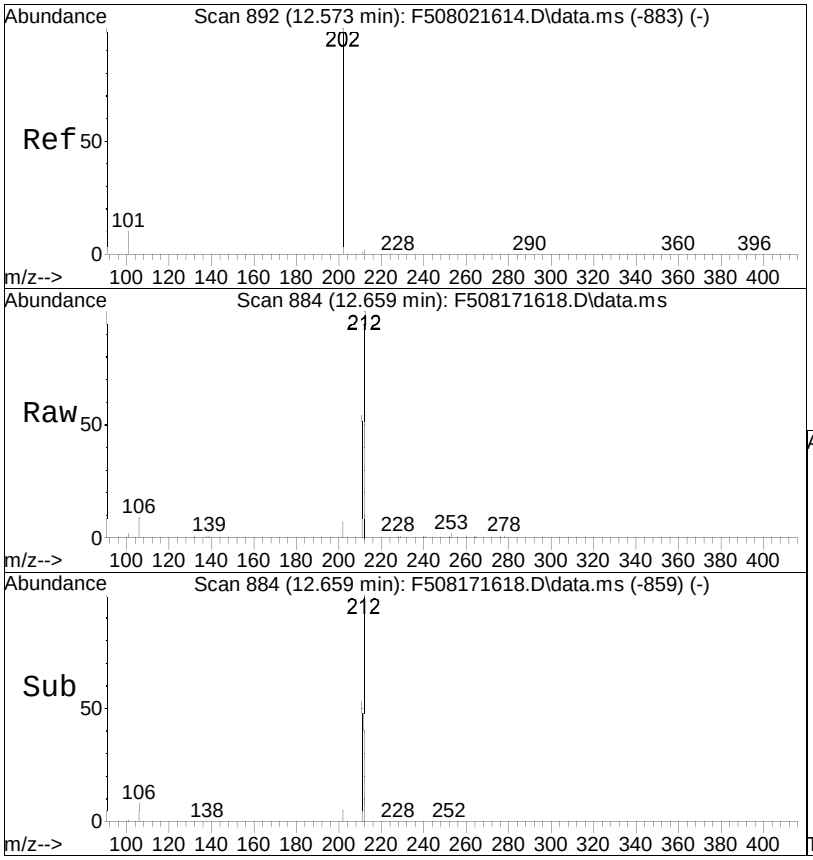


#23
Fluoranthene
Concen: 1.58 ng/mL
RT: 12.390 min Scan# 850
Delta R.T. -0.000 min
Lab File: F508171618.D
Acq: 17 Aug 2016 10:47 pm

Tgt Ion:202 Resp: 477

Ion	Ratio	Lower	Upper
202	100		
101	20.2	9.6	14.4#

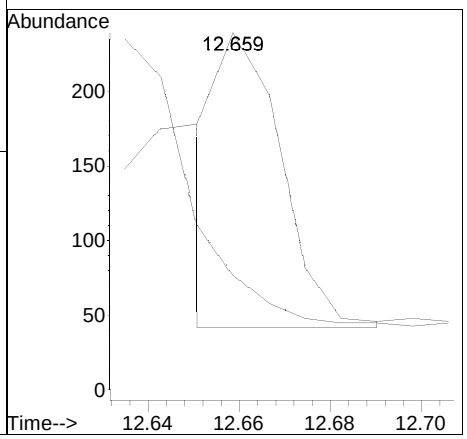




#26
Pyrene
Concen: 0.60 ng/mL M4
RT: 12.659 min Scan# 884
Delta R.T. -0.000 min
Lab File: F508171618.D
Acq: 17 Aug 2016 10:47 pm

Tgt Ion:202 Resp: 191

Ion	Ratio	Lower	Upper
202	100		
101	32.2	11.4	17.0#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171619.D
Acq On : 17 Aug 2016 11:21 pm
Operator : PAH5:DP
Sample : L1625236-02
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 18 12:32:44 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.939	136	118316	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.682	164	58279	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.123	188	118082	500.000	ng/mL	0.00
24) Chrysene-d12	14.387	240	121469	500.000	ng/mL	0.00
29) Perylene-d12	16.817	264	120891	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.611	152	48938	356.541	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 7.13%#			
25) Pyrene-d10	12.643	212	91416	428.628	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.57%#			
31) Benzo[b]fluoranthene-d12	16.131	264	92519	437.615	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.75%#			
Target Compounds						Qvalue
2) Naphthalene	7.960	128	595	2.386	ng/mL#	73
5) 2-Methylnaphthalene	8.640	142	82	0.550	ng/mL	87
12) Acenaphthylene	9.532	152	476	1.801	ng/mL#	72
13) Acenaphthene	9.713	153	132M4	0.825	ng/mL	
15) Fluorene	10.202	166	271M4	1.495	ng/mL	
19) Phenanthrene	11.146	178	1713	6.248	ng/mL#	81
20) Anthracene	11.185	178	299	1.136	ng/mL#	1
23) Fluoranthene	12.391	202	3674	12.263	ng/mL	99
26) Pyrene	12.659	202	4516	13.680	ng/mL	99
27) Benz[a]anthracene	14.355	228	2270	7.614	ng/mL#	84
28) Chrysene	14.418	228	1800	6.395	ng/mL#	77
32) Benzo[b]fluoranthene	16.170	252	1748M4	5.433	ng/mL	
33) Benzo[k]fluoranthene	16.202	252	1794M4	6.680	ng/mL	
35) Benzo[a]pyrene	16.715	252	2189	7.768	ng/mL#	67
37) Indeno[1,2,3-cd]pyrene	18.687	276	1382	4.616	ng/mL#	72
38) Dibenz[a,h]anthracene	18.735	278	286	0.966	ng/mL#	1
39) Benzo[g,h,i]perylene	19.200	276	1441	4.709	ng/mL	95

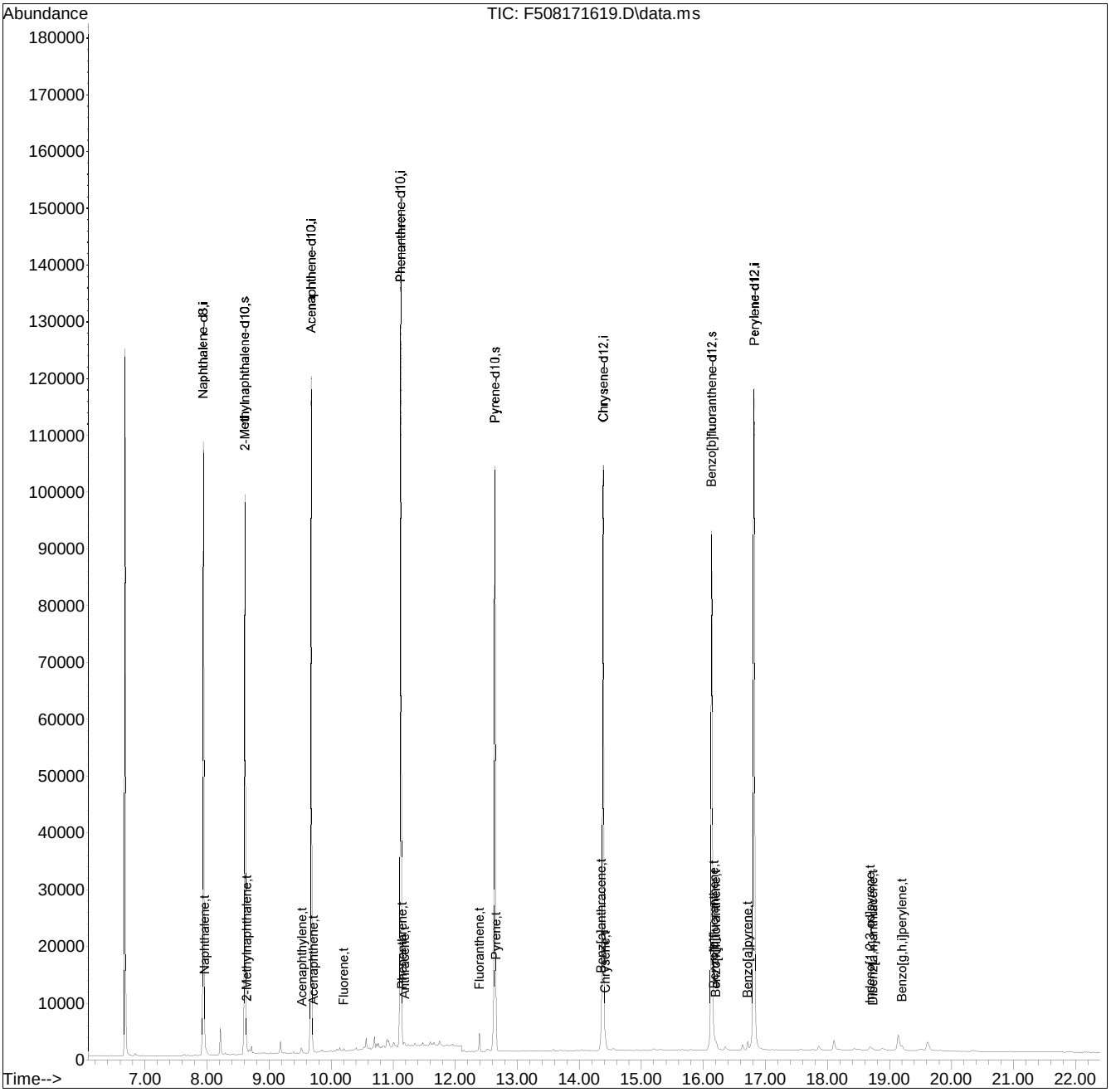
(#) = qualifier out of range (m) = manual integration (+) = signals summed

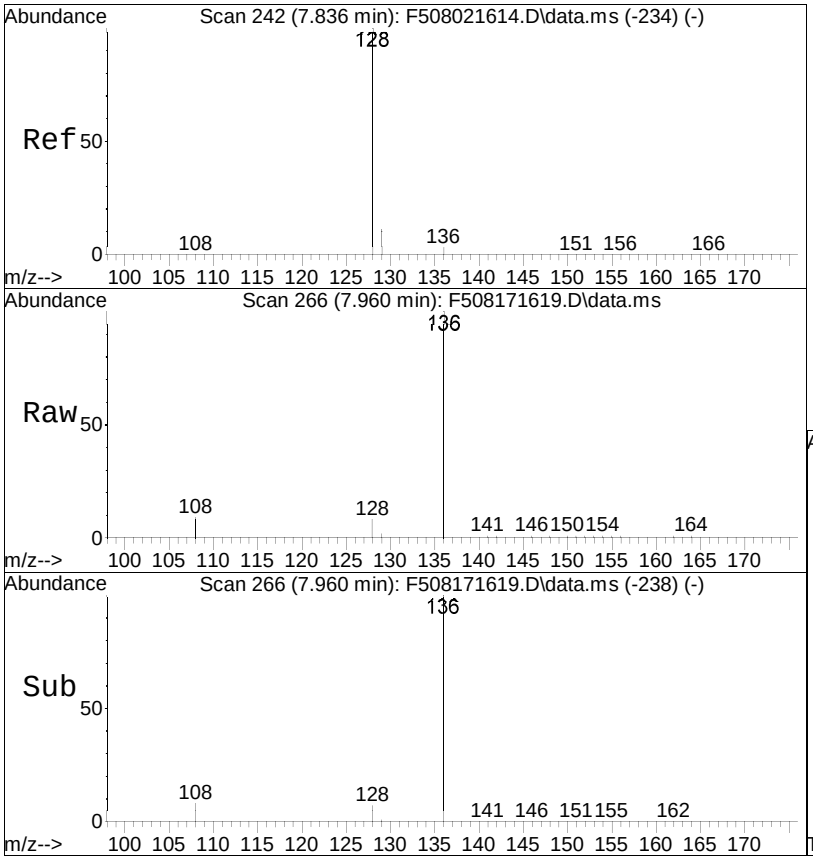
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171619.D
Acq On : 17 Aug 2016 11:21 pm
Operator : PAH5:DP
Sample : L1625236-02
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 18 12:32:44 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

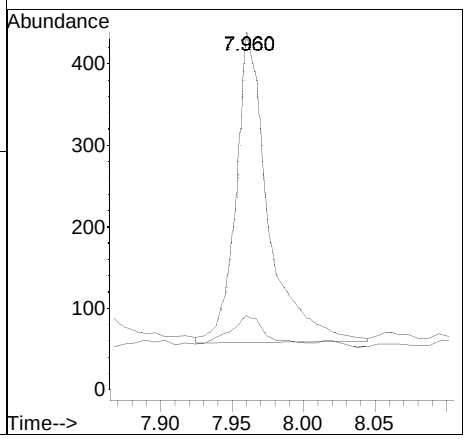


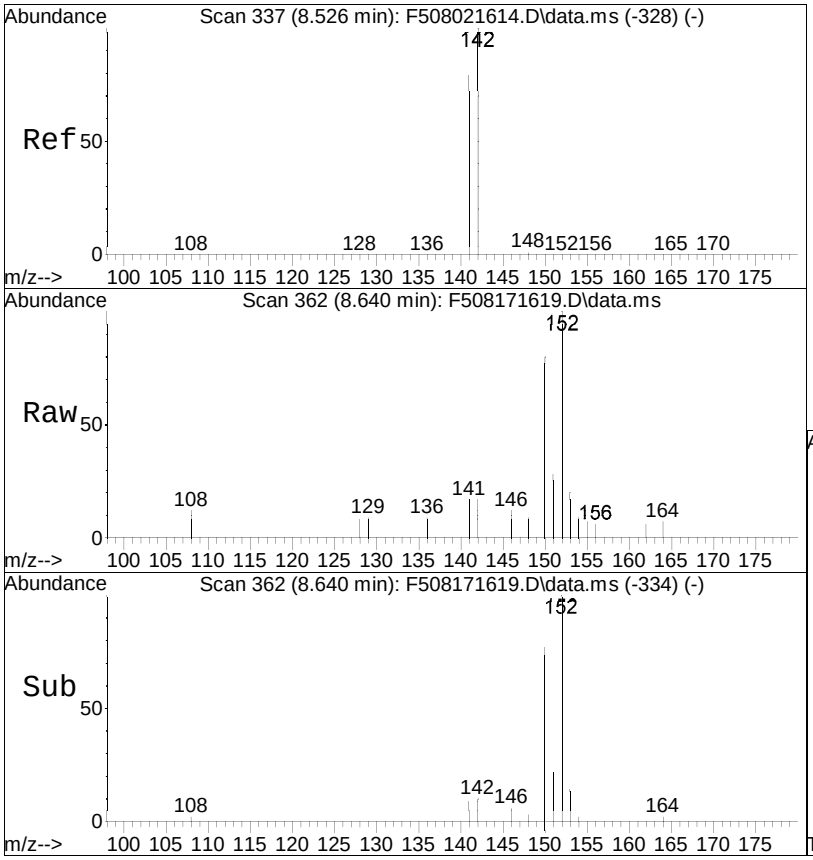


#2
Naphthalene
Concen: 2.39 ng/mL
RT: 7.960 min Scan# 266
Delta R.T. 0.000 min
Lab File: F508171619.D
Acq: 17 Aug 2016 11:21 pm

Tgt Ion:128 Resp: 595

Ion	Ratio	Lower	Upper
128	100		
129	21.0	8.6	13.0#

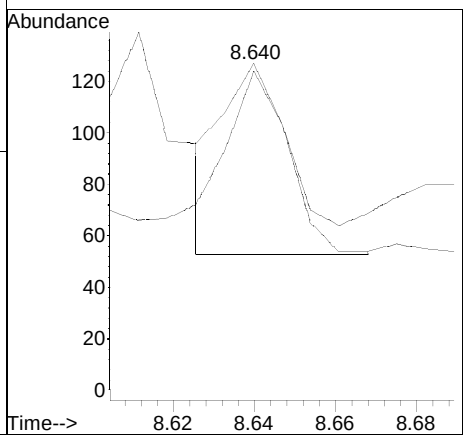


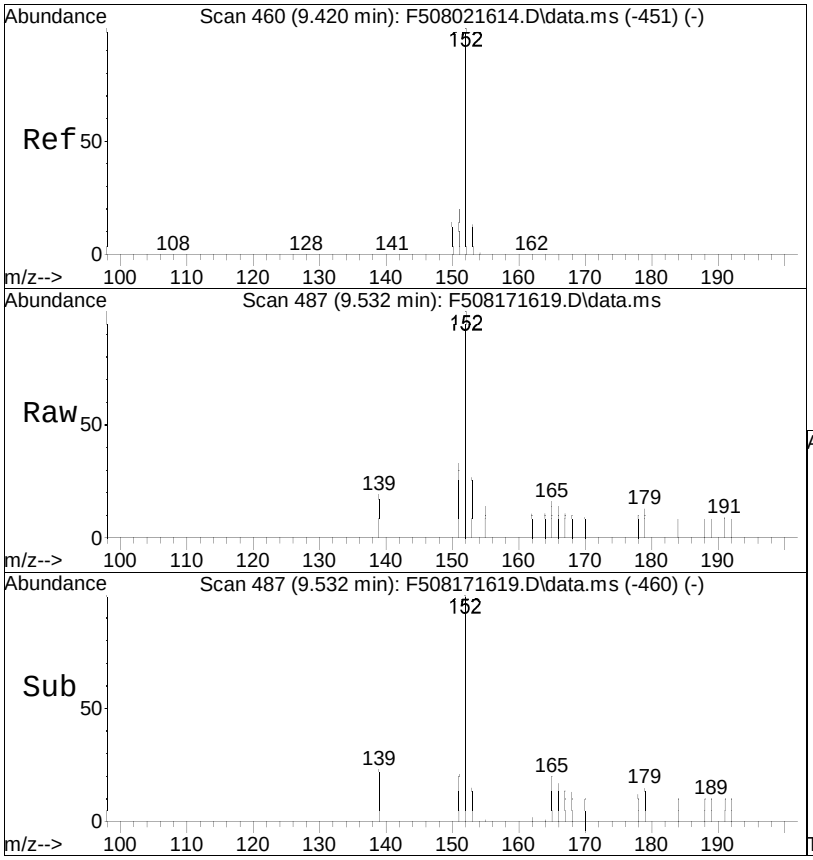


#5
2-Methylnaphthalene
Concen: 0.55 ng/mL
RT: 8.640 min Scan# 362
Delta R.T. 0.000 min
Lab File: F508171619.D
Acq: 17 Aug 2016 11:21 pm

Tgt Ion:142 Resp: 82

Ion	Ratio	Lower	Upper
142	100		
141	97.6	68.5	102.7

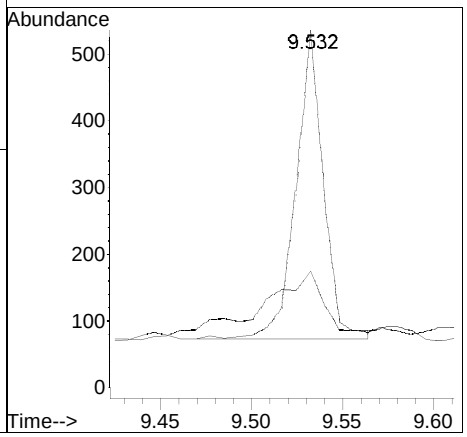


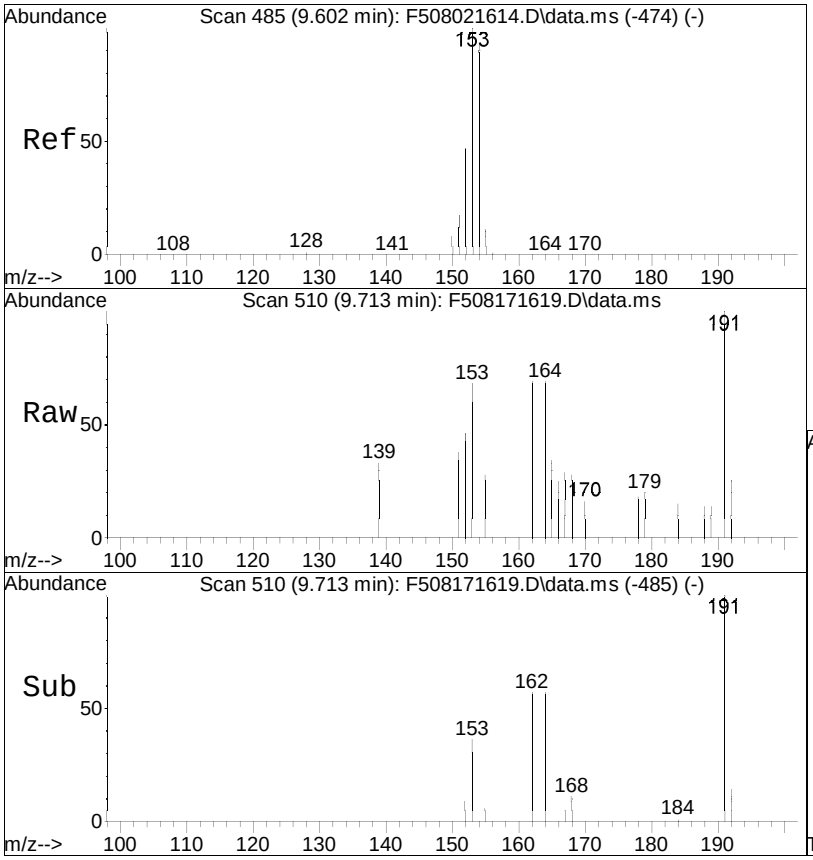


#12
Acenaphthylene
Concen: 1.80 ng/mL
RT: 9.532 min Scan# 487
Delta R.T. 0.000 min
Lab File: F508171619.D
Acq: 17 Aug 2016 11:21 pm

Tgt Ion:152 Resp: 476

Ion	Ratio	Lower	Upper
152	100		
151	32.7	15.9	23.9#

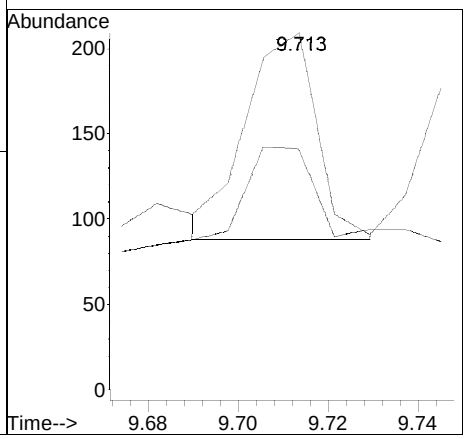


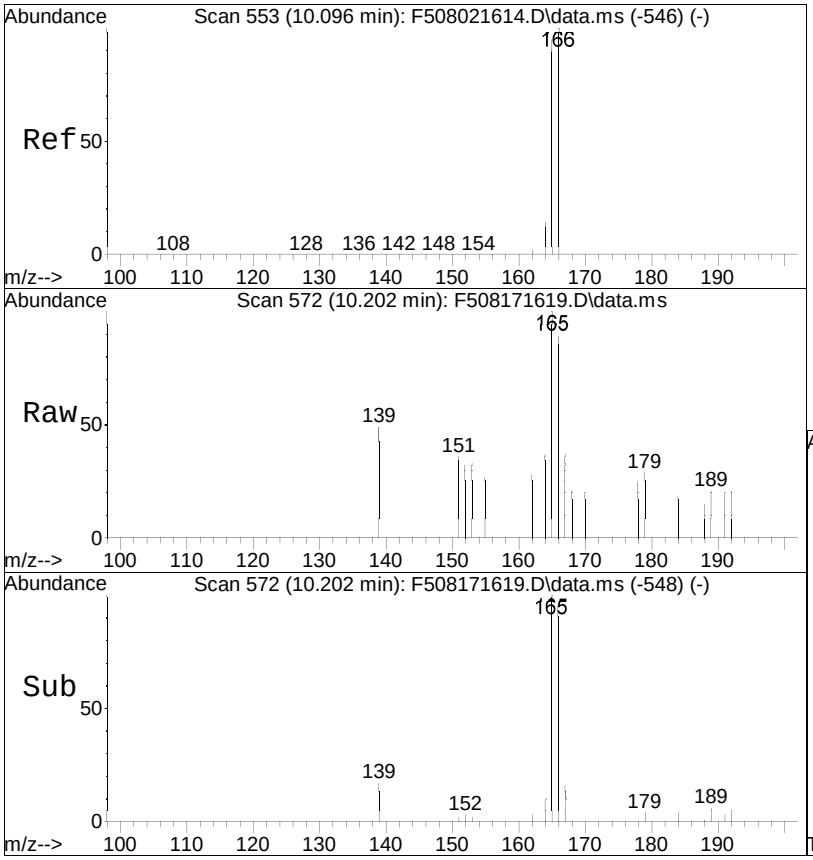


#13
Acenaphthene
Concen: 0.83 ng/mL M4
RT: 9.713 min Scan# 510
Delta R.T. 0.000 min
Lab File: F508171619.D
Acq: 17 Aug 2016 11:21 pm

Tgt Ion:153 Resp: 132

Ion	Ratio	Lower	Upper
153	100		
152	67.5	38.0	57.0#

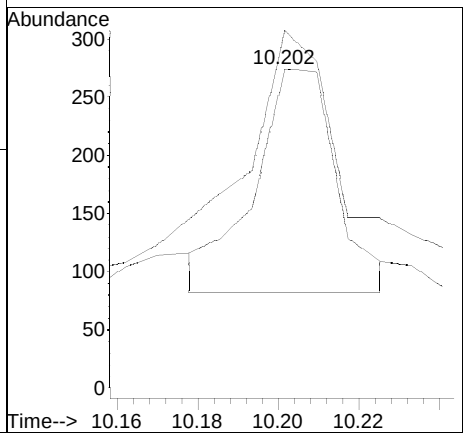


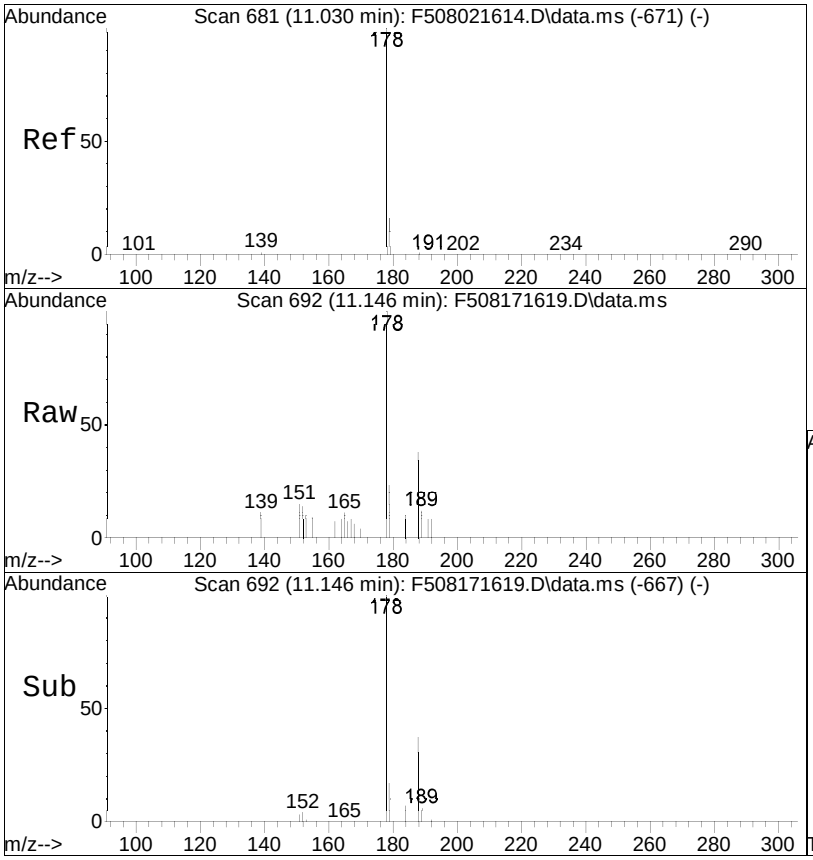


#15
Fluorene
Concen: 1.49 ng/mL M4
RT: 10.202 min Scan# 572
Delta R.T. -0.008 min
Lab File: F508171619.D
Acq: 17 Aug 2016 11:21 pm

Tgt Ion:166 Resp: 271

Ion	Ratio	Lower	Upper
166	100		
165	112.0	72.8	109.2#

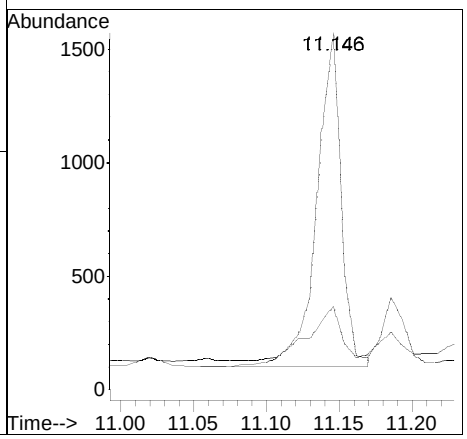


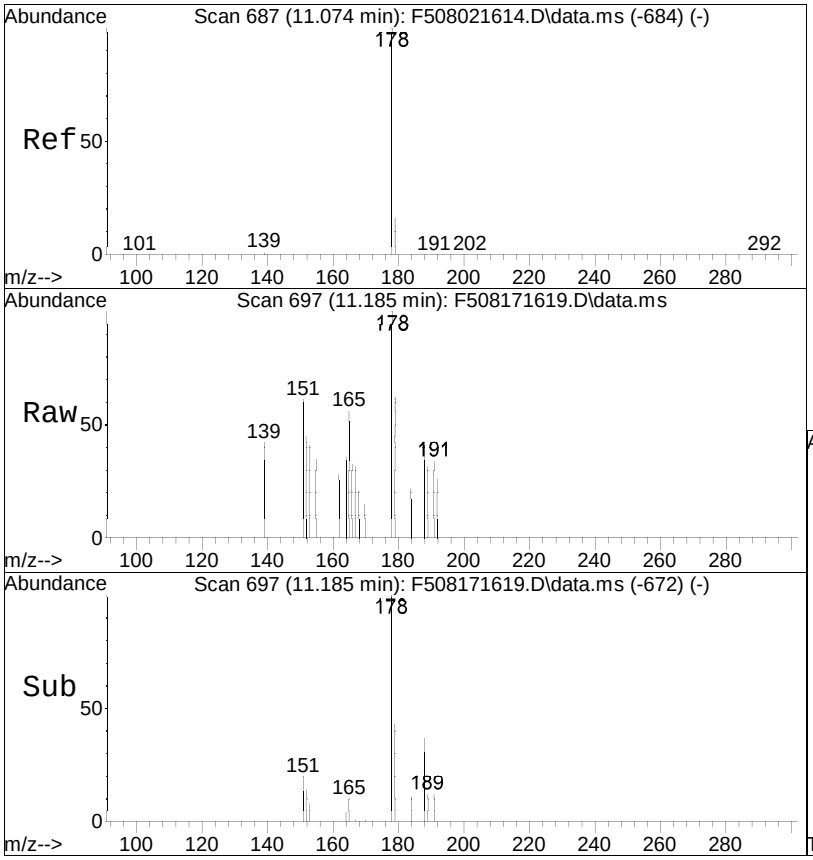


#19
Phenanthrene
Concen: 6.25 ng/mL
RT: 11.146 min Scan# 692
Delta R.T. 0.000 min
Lab File: F508171619.D
Acq: 17 Aug 2016 11:21 pm

Tgt Ion:178 Resp: 1713

Ion	Ratio	Lower	Upper
178	100		
179	23.3	12.3	18.5#

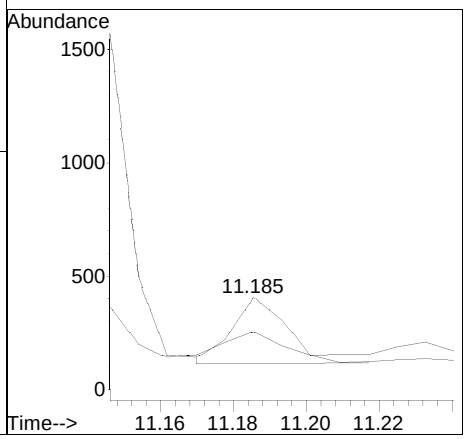


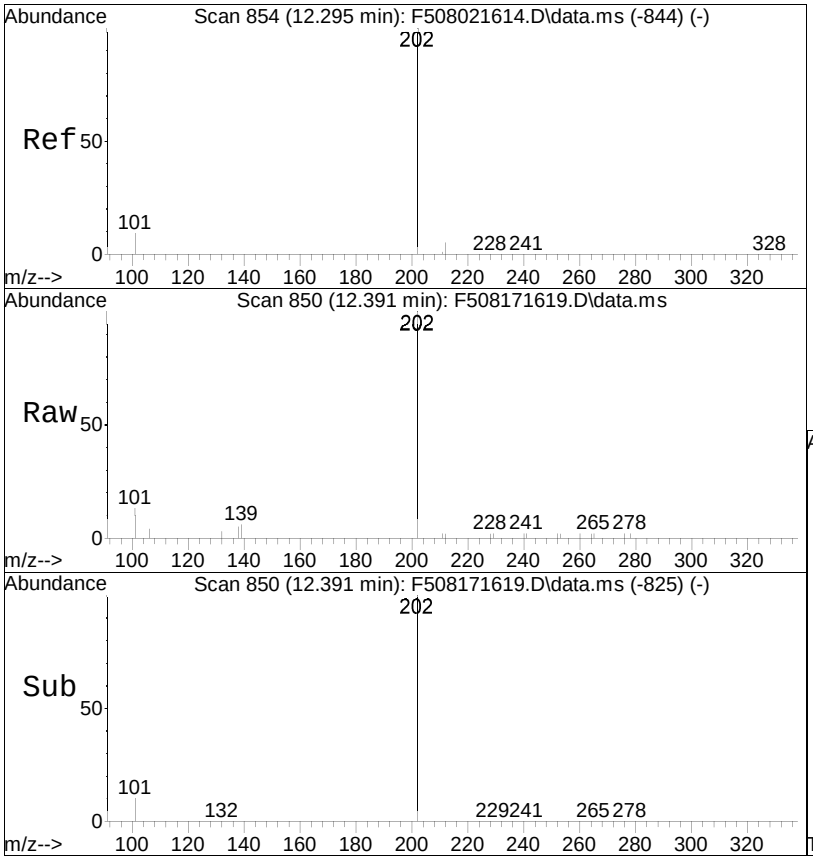


#20
Anthracene
Concen: 1.14 ng/mL
RT: 11.185 min Scan# 697
Delta R.T. 0.000 min
Lab File: F508171619.D
Acq: 17 Aug 2016 11:21 pm

Tgt Ion:178 Resp: 299

Ion	Ratio	Lower	Upper
178	100		
179	62.4	12.1	18.1#

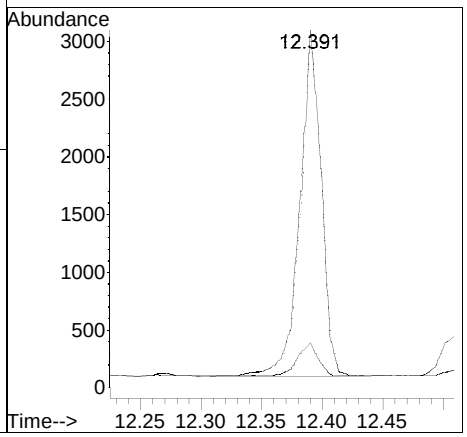


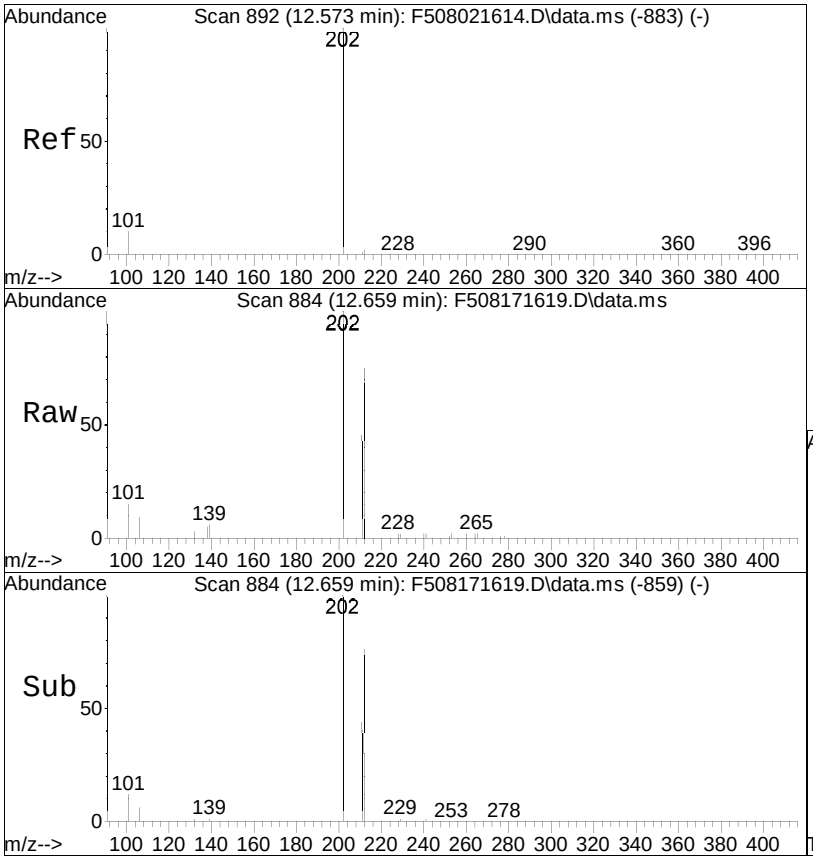


#23
Fluoranthene
Concen: 12.26 ng/mL
RT: 12.391 min Scan# 850
Delta R.T. 0.000 min
Lab File: F508171619.D
Acq: 17 Aug 2016 11:21 pm

Tgt Ion:202 Resp: 3674

Ion	Ratio	Lower	Upper
202	100		
101	12.5	9.6	14.4

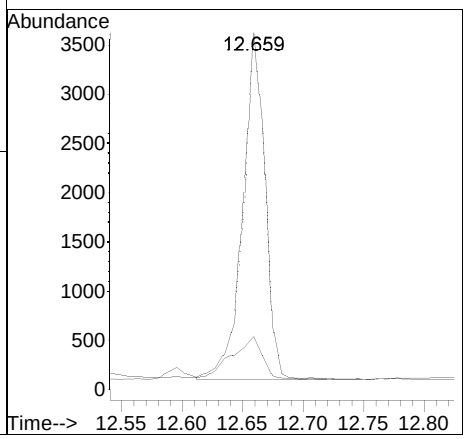


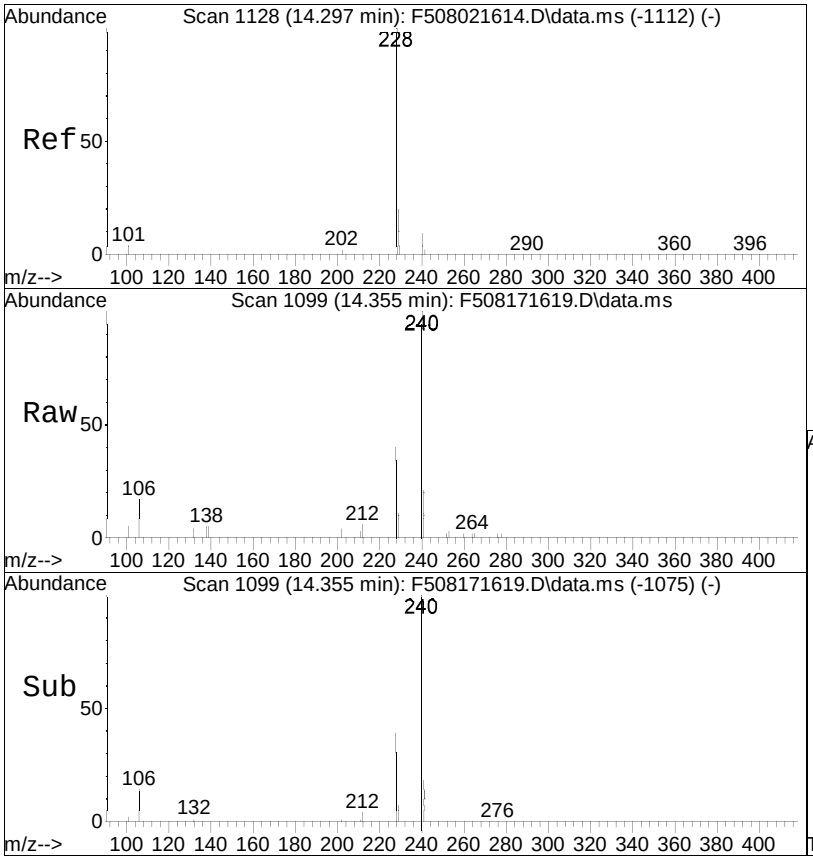


#26
Pyrene
Concen: 13.68 ng/mL
RT: 12.659 min Scan# 884
Delta R.T. 0.000 min
Lab File: F508171619.D
Acq: 17 Aug 2016 11:21 pm

Tgt Ion:202 Resp: 4516

Ion	Ratio	Lower	Upper
202	100		
101	14.8	11.4	17.0

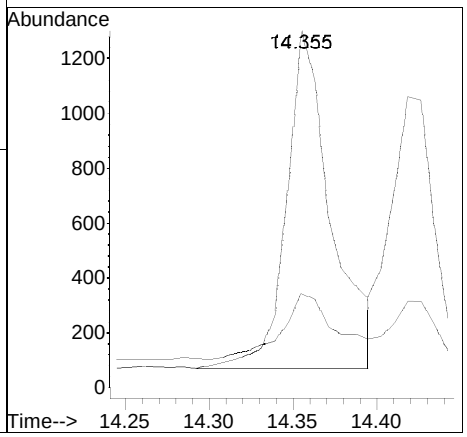


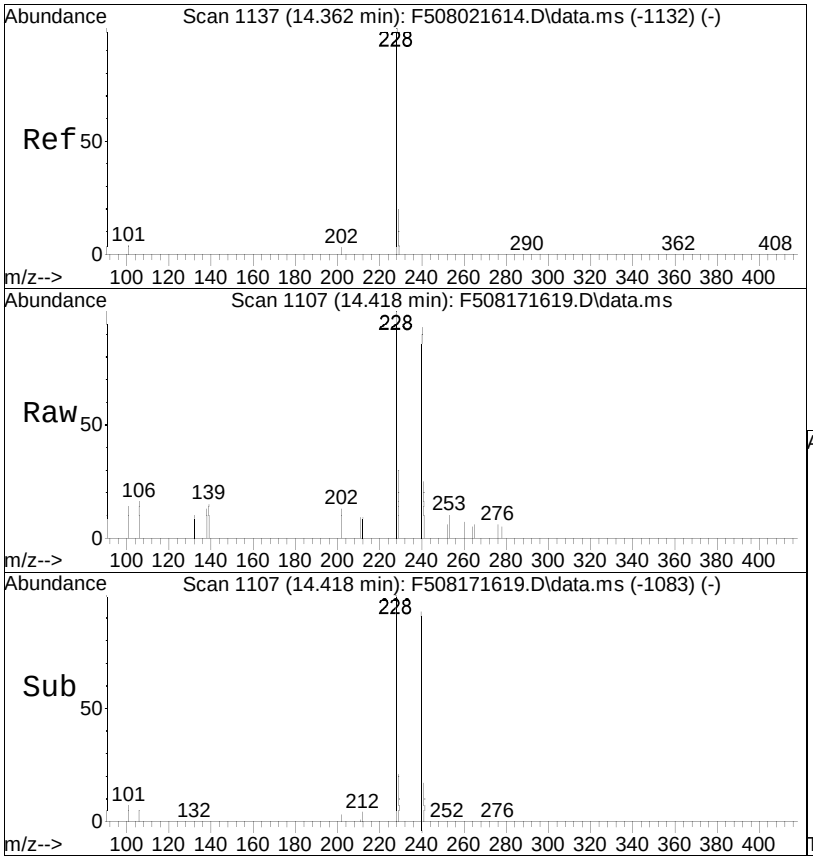


#27
Benz[a]anthracene
Concen: 7.61 ng/mL
RT: 14.355 min Scan# 1099
Delta R.T. -0.008 min
Lab File: F508171619.D
Acq: 17 Aug 2016 11:21 pm

Tgt Ion:228 Resp: 2270

Ion	Ratio	Lower	Upper
228	100		
229	26.5	15.4	23.0#

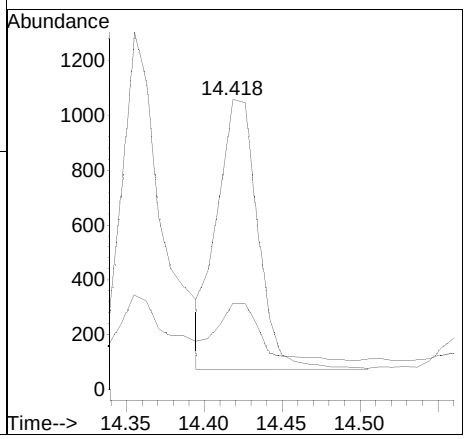


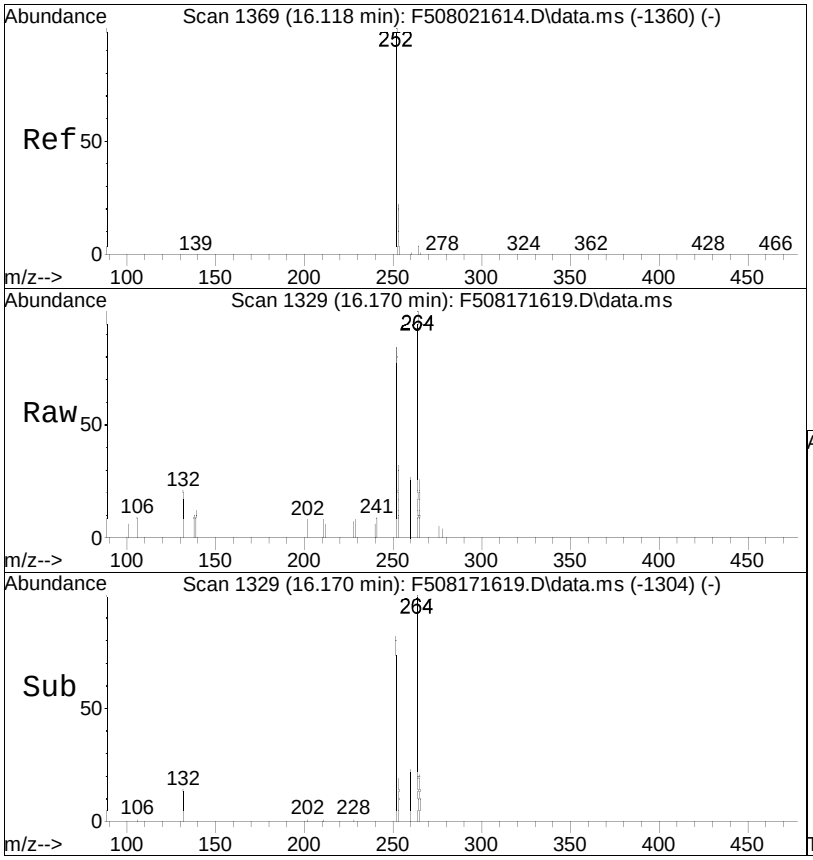


#28
Chrysene
Concen: 6.40 ng/mL
RT: 14.418 min Scan# 1107
Delta R.T. -0.008 min
Lab File: F508171619.D
Acq: 17 Aug 2016 11:21 pm

Tgt Ion:228 Resp: 1800

Ion	Ratio	Lower	Upper
228	100		
229	29.8	15.6	23.4#

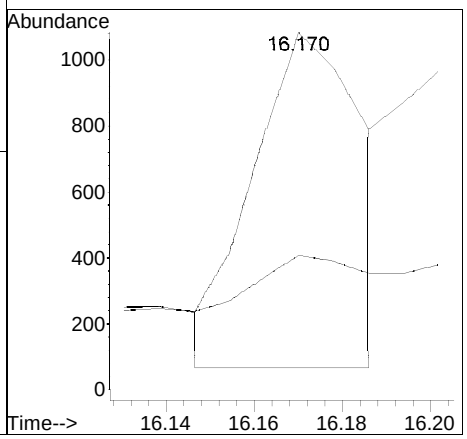


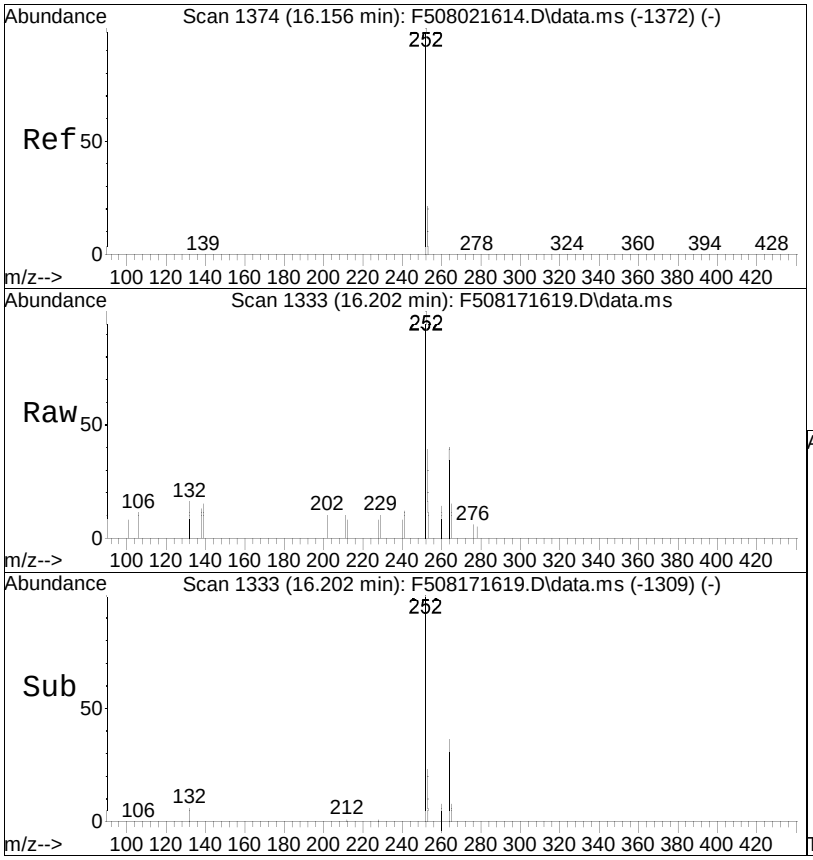


#32
Benzo[b]fluoranthene
Concen: 5.43 ng/mL M4
RT: 16.170 min Scan# 1329
Delta R.T. 0.000 min
Lab File: F508171619.D
Acq: 17 Aug 2016 11:21 pm

Tgt Ion:252 Resp: 1748

Ion	Ratio	Lower	Upper
252	100		
253	37.7	17.4	26.0#

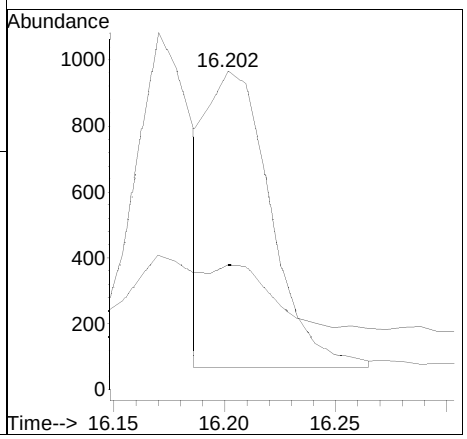


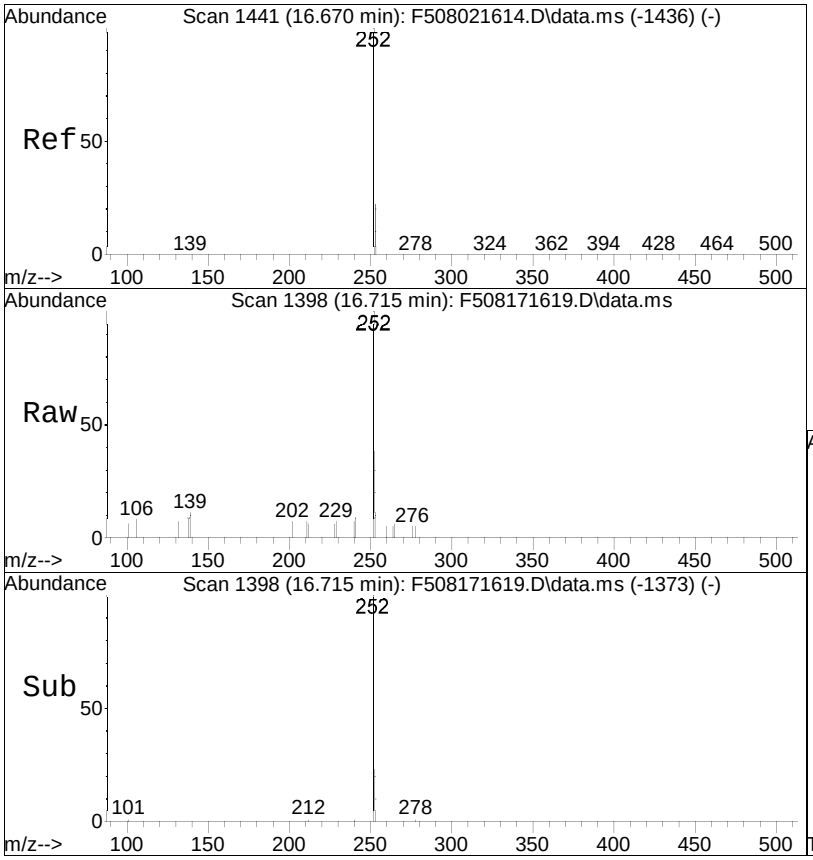


#33
Benzo[k]fluoranthene
Concen: 6.68 ng/mL M4
RT: 16.202 min Scan# 1333
Delta R.T. -0.008 min
Lab File: F508171619.D
Acq: 17 Aug 2016 11:21 pm

Tgt Ion:252 Resp: 1794

Ion	Ratio	Lower	Upper
252	100		
253	39.3	17.4	26.0#

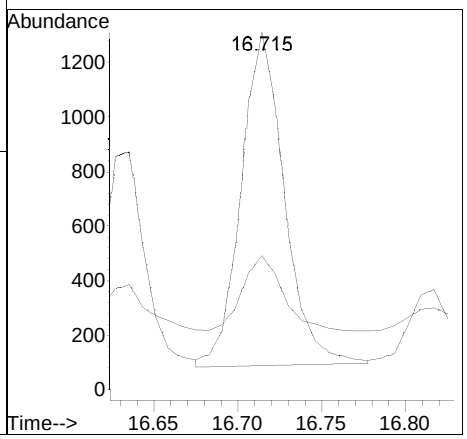


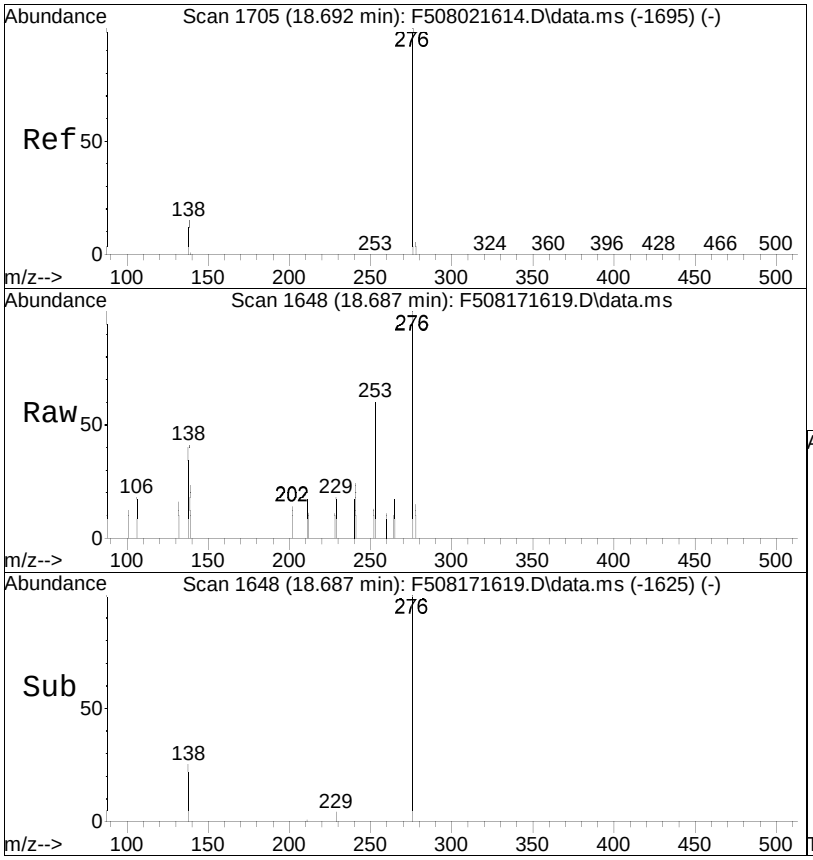


#35
Benzo[a]pyrene
Concen: 7.77 ng/mL
RT: 16.715 min Scan# 1398
Delta R.T. 0.000 min
Lab File: F508171619.D
Acq: 17 Aug 2016 11:21 pm

Tgt Ion:252 Resp: 2189

Ion	Ratio	Lower	Upper
252	100		
253	37.5	17.4	26.2#

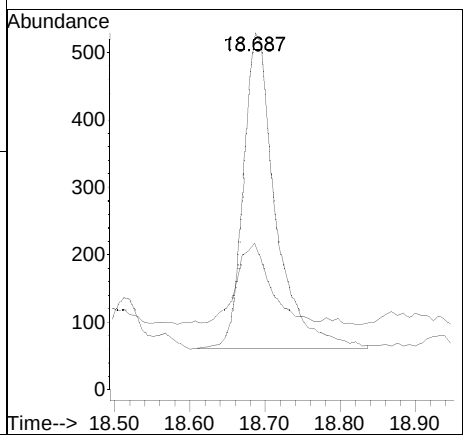


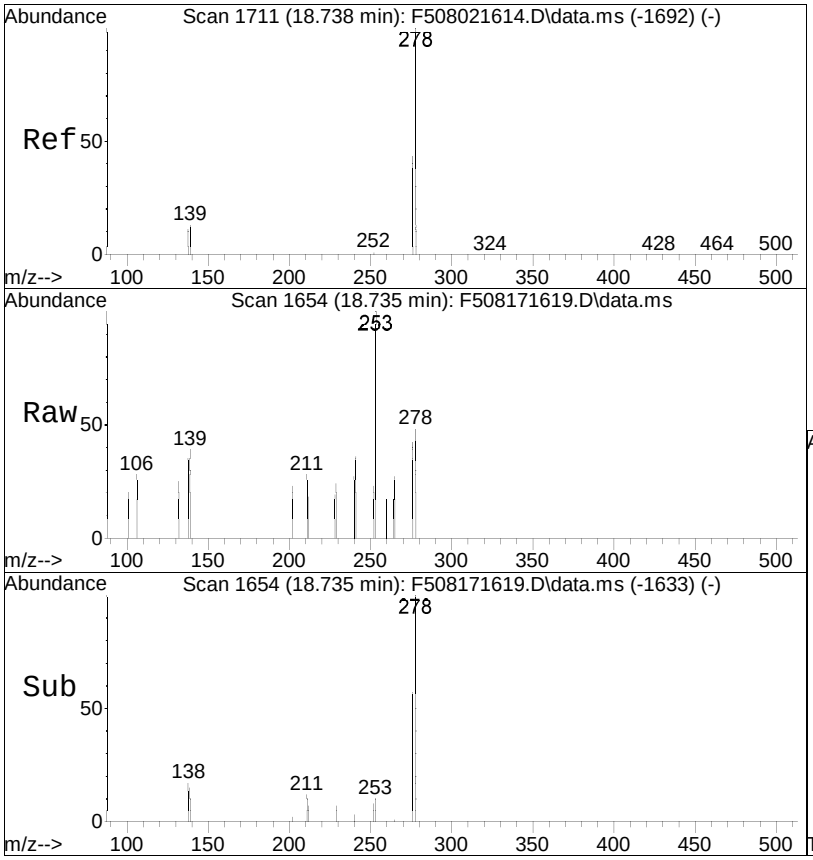


#37
Indeno[1,2,3-cd]pyrene
Concen: 4.62 ng/mL
RT: 18.687 min Scan# 1648
Delta R.T. -0.008 min
Lab File: F508171619.D
Acq: 17 Aug 2016 11:21 pm

Tgt Ion:276 Resp: 1382

Ion	Ratio	Lower	Upper
276	100		
138	41.0	21.4	32.2#

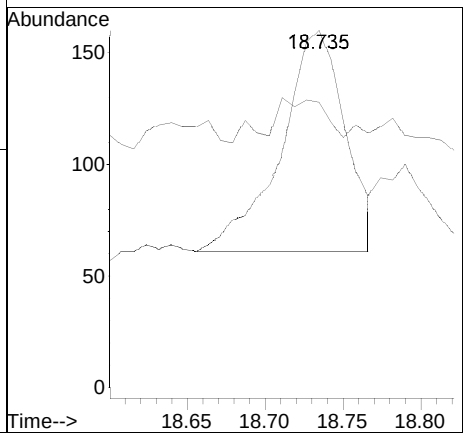


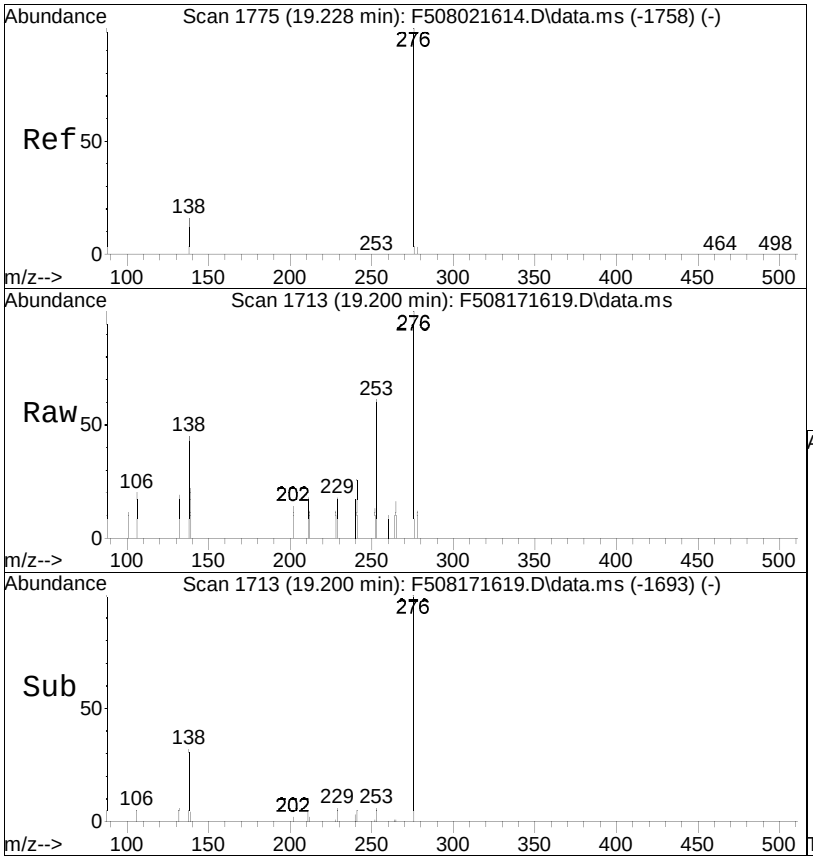


#38
Dibenz[a,h]anthracene
Concen: 0.97 ng/mL
RT: 18.735 min Scan# 1654
Delta R.T. 0.000 min
Lab File: F508171619.D
Acq: 17 Aug 2016 11:21 pm

Tgt Ion:278 Resp: 286

Ion	Ratio	Lower	Upper
278	100		
139	80.0	18.2	27.2#

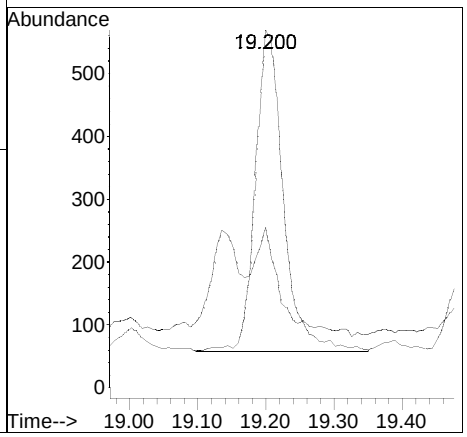




#39
Benzo[g,h,i]perylene
Concen: 4.71 ng/mL
RT: 19.200 min Scan# 1713
Delta R.T. -0.008 min
Lab File: F508171619.D
Acq: 17 Aug 2016 11:21 pm

Tgt Ion:276 Resp: 1441

Ion	Ratio	Lower	Upper
276	100		
138	44.9	33.5	50.3



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171620.D
Acq On : 17 Aug 2016 11:55 pm
Operator : PAH5:DP
Sample : L1625236-03
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 18 12:34:15 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.946	136	121601	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.682	164	60517	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.122	188	121079	500.000	ng/mL	0.00
24) Chrysene-d12	14.387	240	125122	500.000	ng/mL	0.00
29) Perylene-d12	16.809	264	126699	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.611	152	48762	345.662	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 6.91%#			
25) Pyrene-d10	12.635	212	90389	411.439	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.23%#			
31) Benzo[b]fluoranthene-d12	16.131	264	91546	413.163	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.26%#			
Target Compounds						Qvalue
2) Naphthalene	7.960	128	448	1.748	ng/mL#	62
5) 2-Methylnaphthalene	8.640	142	102	0.665	ng/mL	90
12) Acenaphthylene	9.532	152	225M4	0.820	ng/mL	
13) Acenaphthene	9.713	153	212M4	1.277	ng/mL	
15) Fluorene	10.201	166	321M4	1.705	ng/mL	
19) Phenanthrene	11.146	178	2023	7.196	ng/mL#	85
20) Anthracene	11.185	178	434	1.608	ng/mL#	25
23) Fluoranthene	12.390	202	3016	9.817	ng/mL	97
26) Pyrene	12.659	202	3029	8.908	ng/mL	96
27) Benz[a]anthracene	14.355	228	1315M4	4.282	ng/mL	
28) Chrysene	14.418	228	1073	3.701	ng/mL#	69
32) Benzo[b]fluoranthene	16.170	252	1065M4	3.158	ng/mL	
33) Benzo[k]fluoranthene	16.202	252	985M4	3.500	ng/mL	
35) Benzo[a]pyrene	16.714	252	1173	3.972	ng/mL#	43
37) Indeno[1,2,3-cd]pyrene	18.687	276	834	2.658	ng/mL#	53
38) Dibenz[a,h]anthracene	18.727	278	154	N.D.		
39) Benzo[g,h,i]perylene	19.200	276	770	2.401	ng/mL#	84

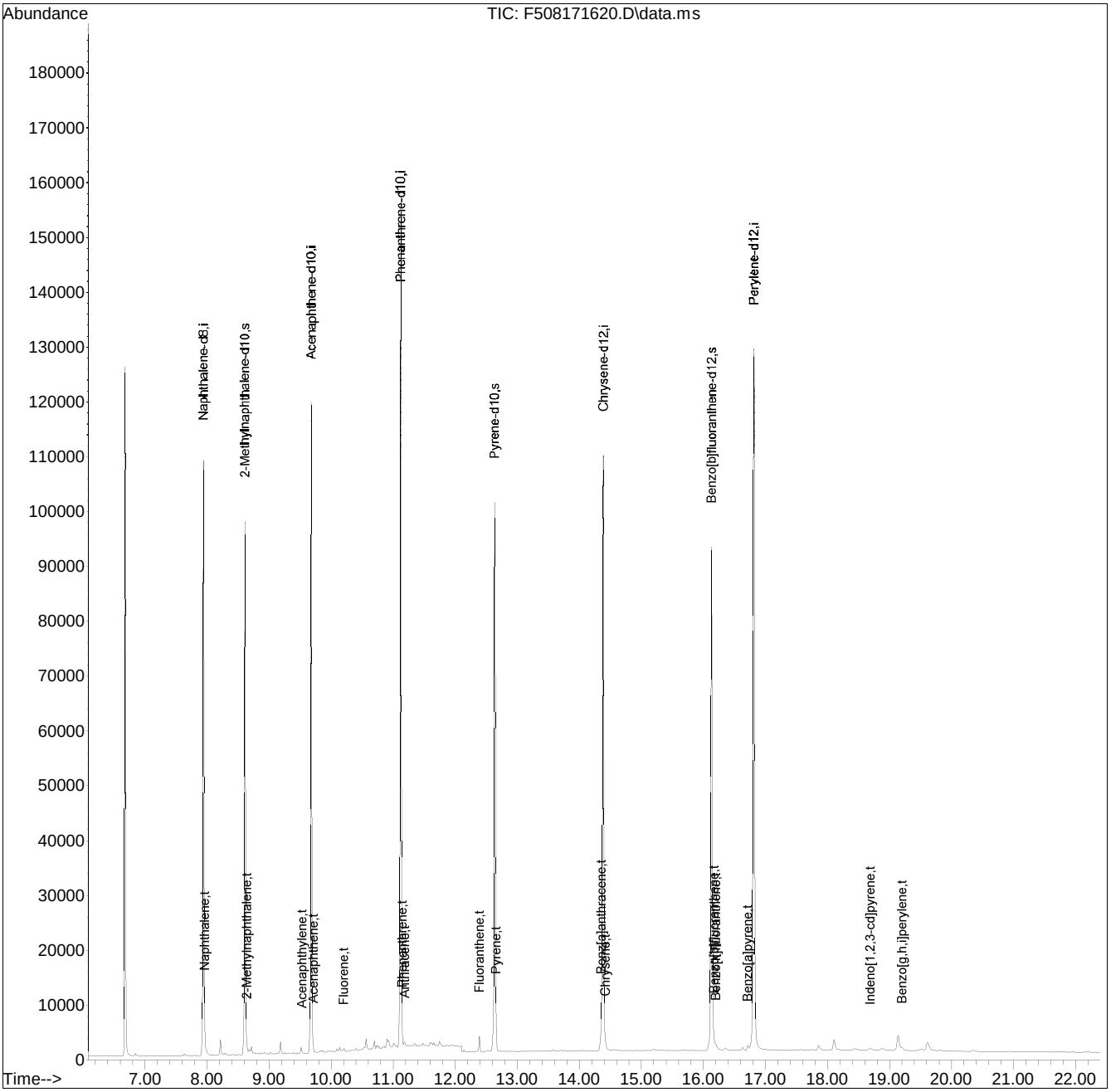
(#) = qualifier out of range (m) = manual integration (+) = signals summed

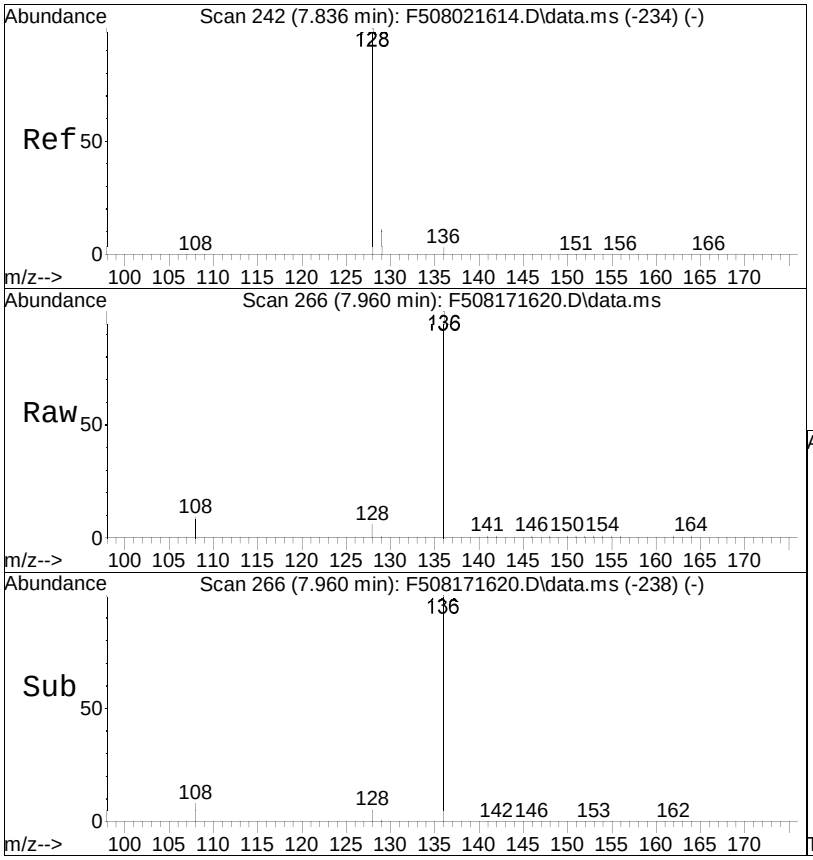
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171620.D
Acq On : 17 Aug 2016 11:55 pm
Operator : PAH5:DP
Sample : L1625236-03
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 18 12:34:15 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

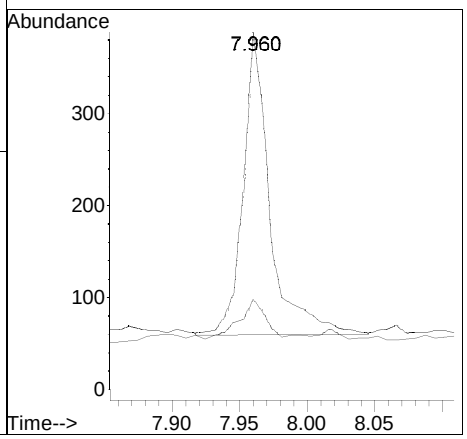


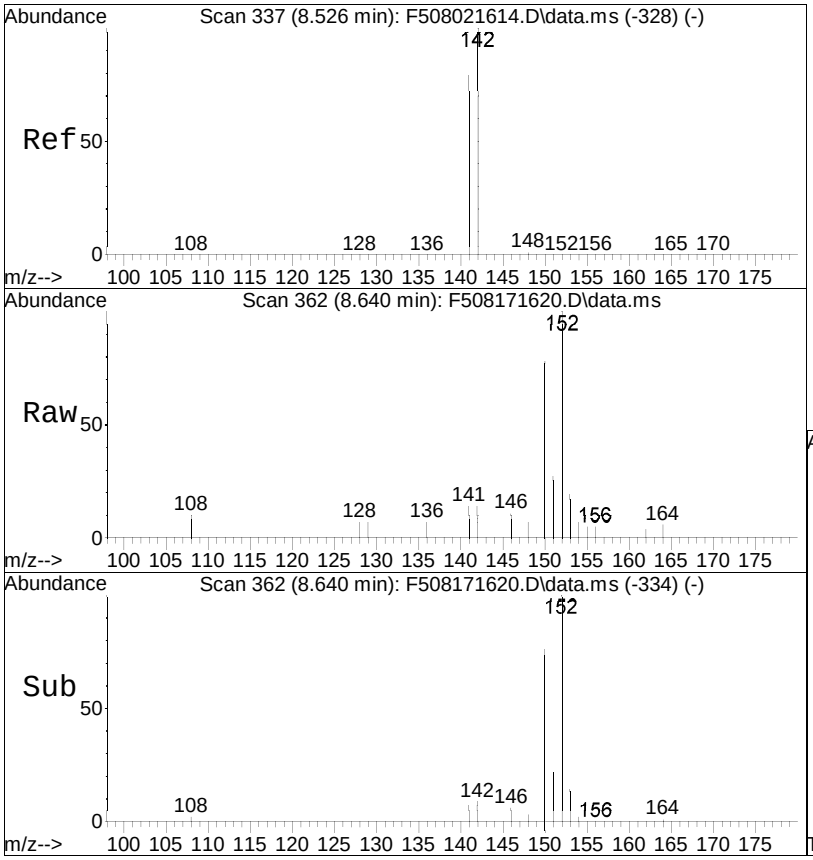


#2
Naphthalene
Concen: 1.75 ng/mL
RT: 7.960 min Scan# 266
Delta R.T. 0.000 min
Lab File: F508171620.D
Acq: 17 Aug 2016 11:55 pm

Tgt Ion:128 Resp: 448

Ion	Ratio	Lower	Upper
128	100		
129	25.3	8.6	13.0#

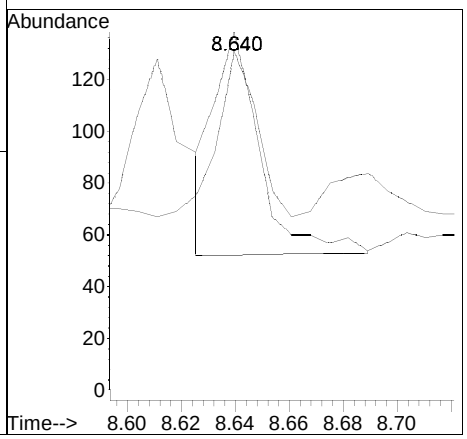


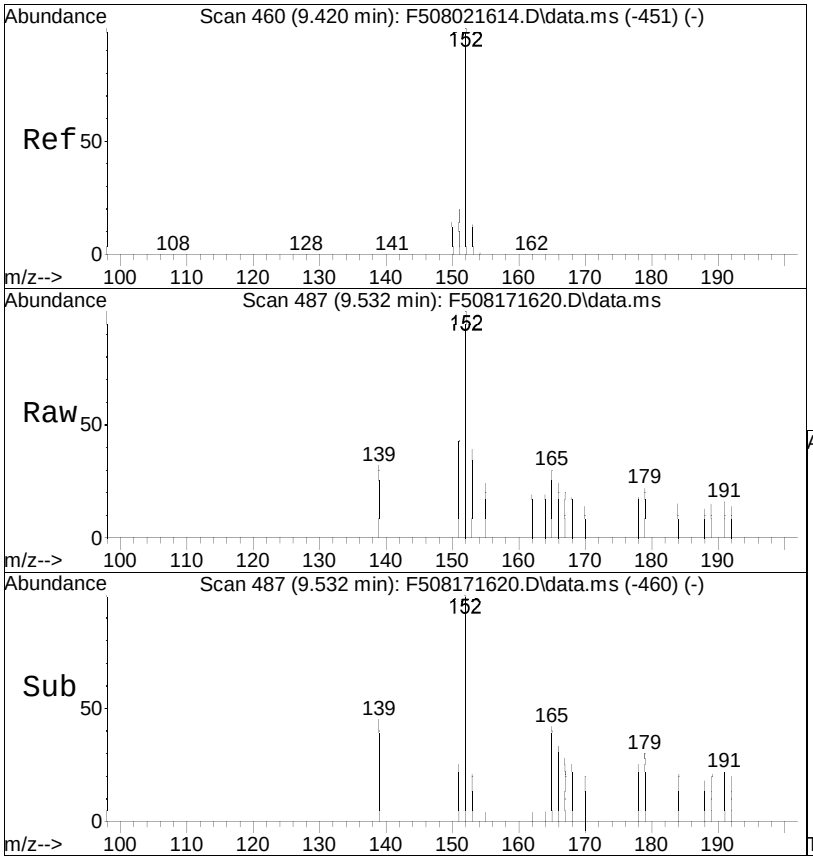


#5
2-Methylnaphthalene
Concen: 0.67 ng/mL
RT: 8.640 min Scan# 362
Delta R.T. 0.000 min
Lab File: F508171620.D
Acq: 17 Aug 2016 11:55 pm

Tgt Ion:142 Resp: 102

Ion	Ratio	Lower	Upper
142	100		
141	94.9	68.5	102.7

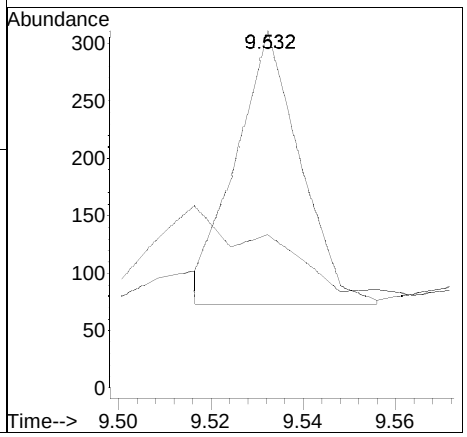


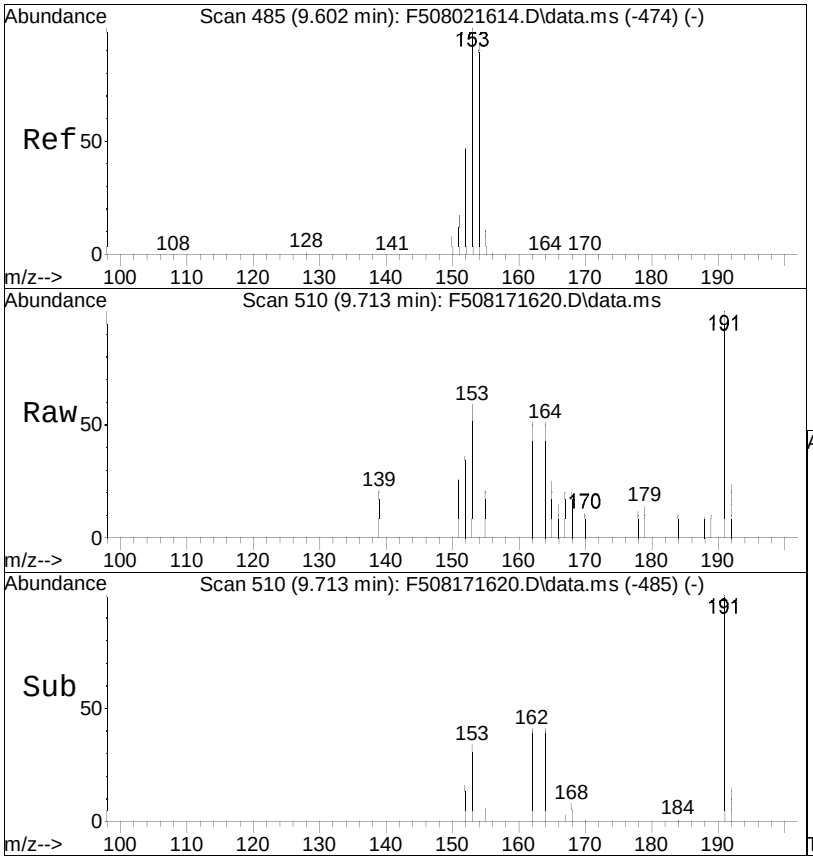


#12
Acenaphthylene
Concen: 0.82 ng/mL M4
RT: 9.532 min Scan# 487
Delta R.T. 0.000 min
Lab File: F508171620.D
Acq: 17 Aug 2016 11:55 pm

Tgt Ion:152 Resp: 225

Ion	Ratio	Lower	Upper
152	100		
151	43.1	15.9	23.9#

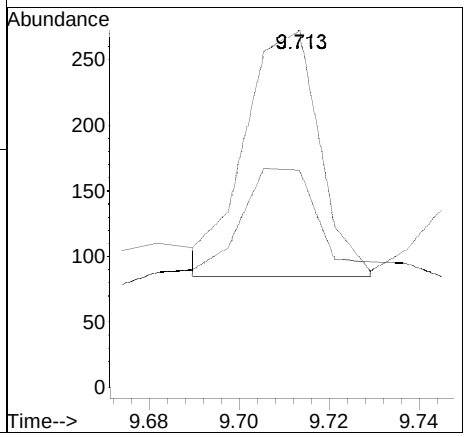


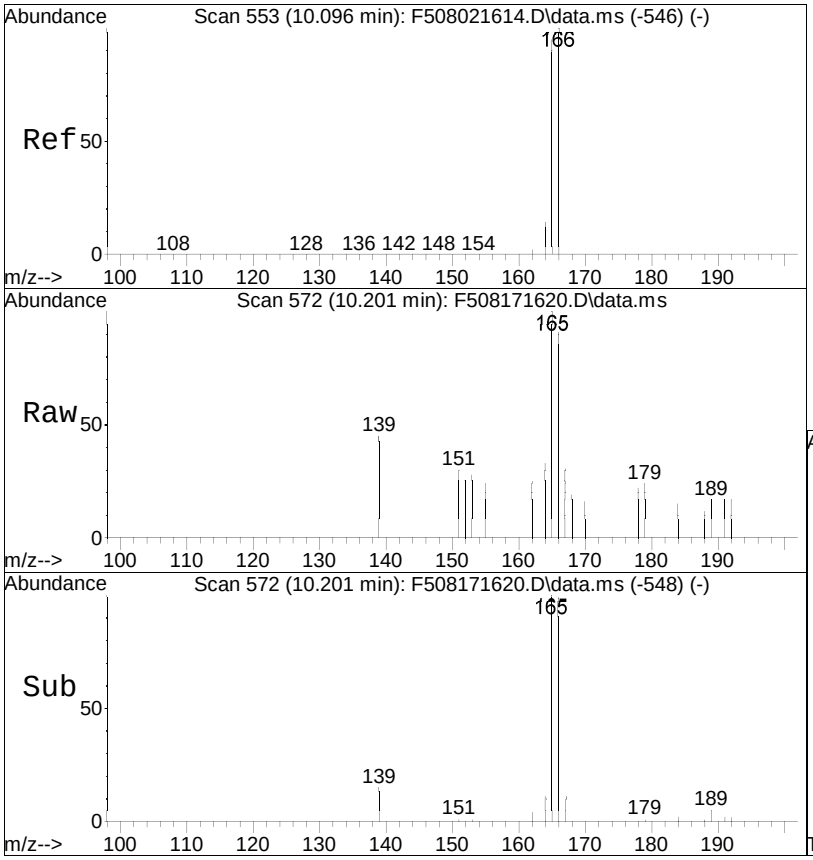


#13
Acenaphthene
Concen: 1.28 ng/mL M4
RT: 9.713 min Scan# 510
Delta R.T. 0.000 min
Lab File: F508171620.D
Acq: 17 Aug 2016 11:55 pm

Tgt Ion:153 Resp: 212

Ion	Ratio	Lower	Upper
153	100		
152	61.0	38.0	57.0#

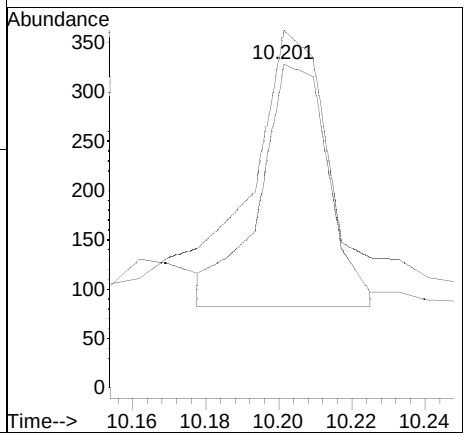


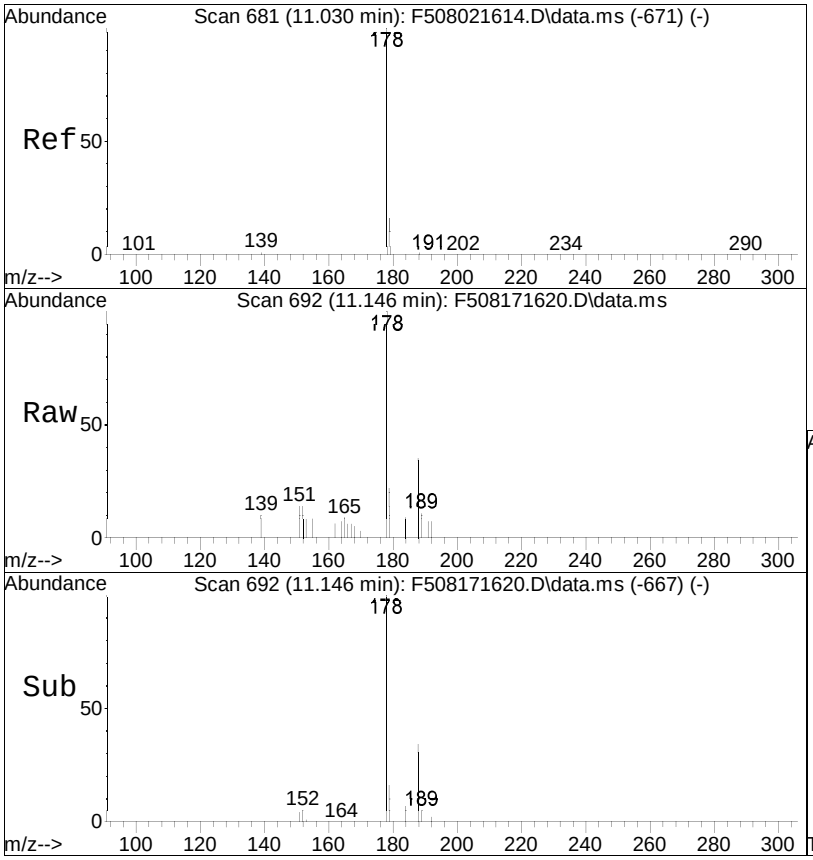


#15
Fluorene
Concen: 1.70 ng/mL M4
RT: 10.201 min Scan# 572
Delta R.T. -0.008 min
Lab File: F508171620.D
Acq: 17 Aug 2016 11:55 pm

Tgt Ion:166 Resp: 321

Ion	Ratio	Lower	Upper
166	100		
165	110.4	72.8	109.2#

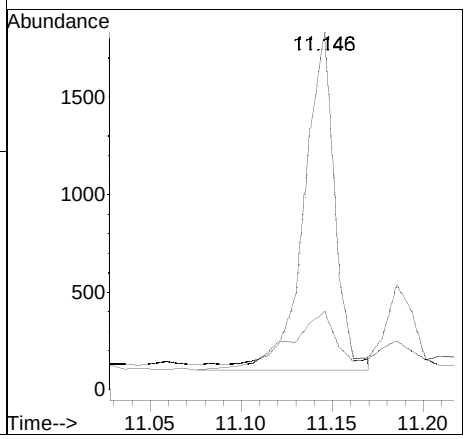


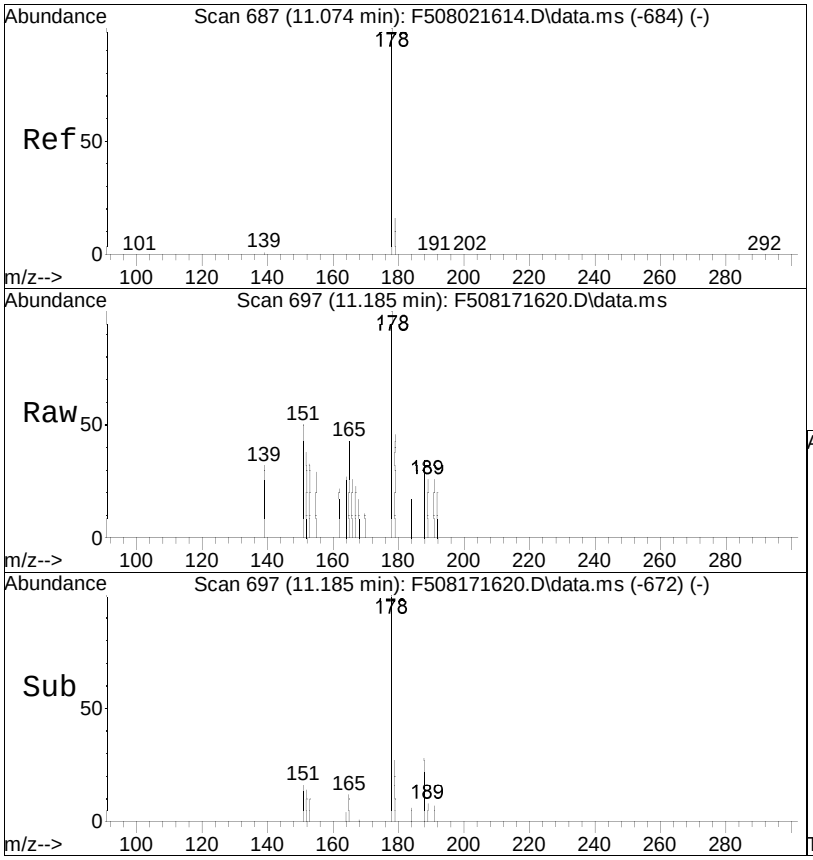


#19
Phenanthrene
Concen: 7.20 ng/mL
RT: 11.146 min Scan# 692
Delta R.T. 0.000 min
Lab File: F508171620.D
Acq: 17 Aug 2016 11:55 pm

Tgt Ion:178 Resp: 2023

Ion	Ratio	Lower	Upper
178	100		
179	21.8	12.3	18.5#

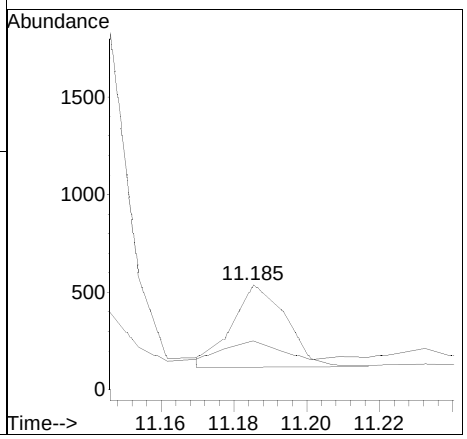


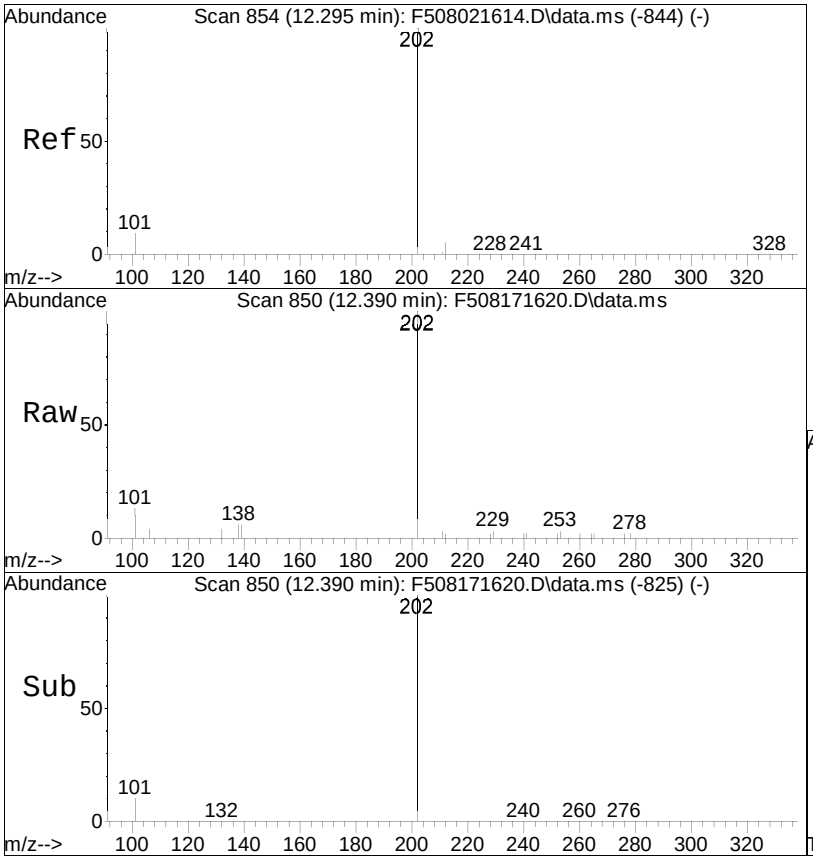


#20
Anthracene
Concen: 1.61 ng/mL
RT: 11.185 min Scan# 697
Delta R.T. 0.000 min
Lab File: F508171620.D
Acq: 17 Aug 2016 11:55 pm

Tgt Ion:178 Resp: 434

Ion	Ratio	Lower	Upper
178	100		
179	46.3	12.1	18.1#

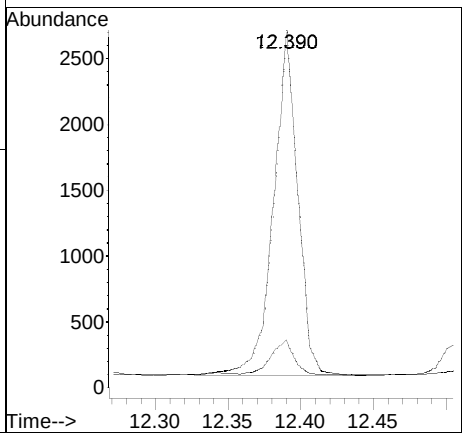


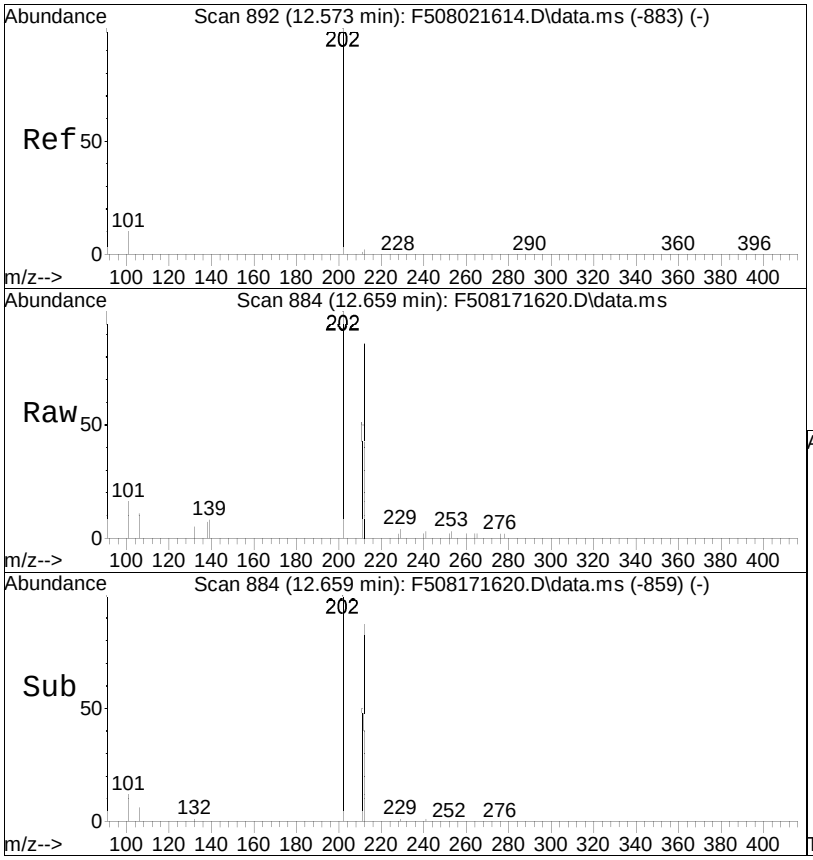


#23
Fluoranthene
Concen: 9.82 ng/mL
RT: 12.390 min Scan# 850
Delta R.T. 0.000 min
Lab File: F508171620.D
Acq: 17 Aug 2016 11:55 pm

Tgt Ion:202 Resp: 3016

Ion	Ratio	Lower	Upper
202	100		
101	13.3	9.6	14.4

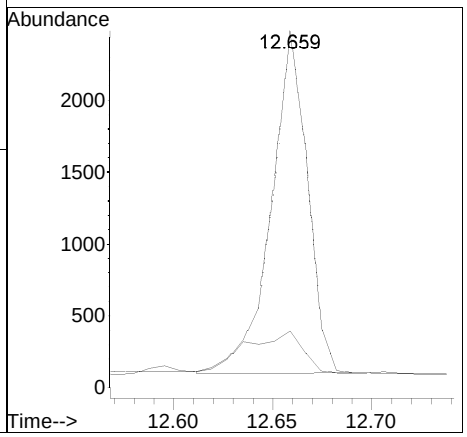


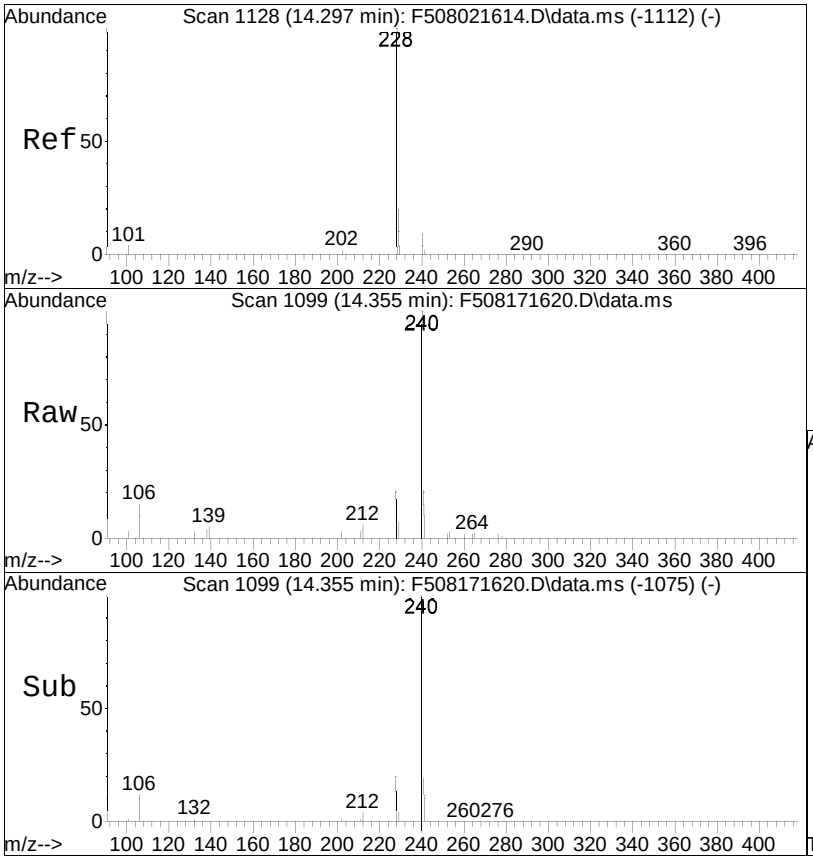


#26
Pyrene
Concen: 8.91 ng/mL
RT: 12.659 min Scan# 884
Delta R.T. 0.000 min
Lab File: F508171620.D
Acq: 17 Aug 2016 11:55 pm

Tgt Ion:202 Resp: 3029

Ion	Ratio	Lower	Upper
202	100		
101	15.7	11.4	17.0

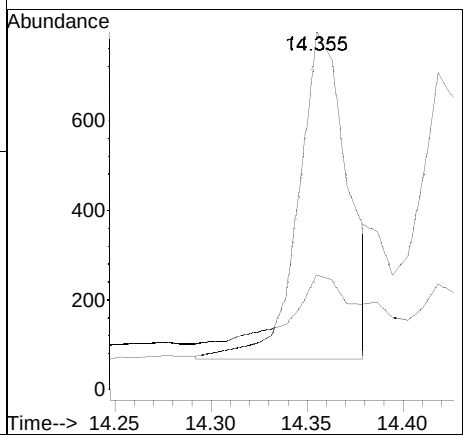


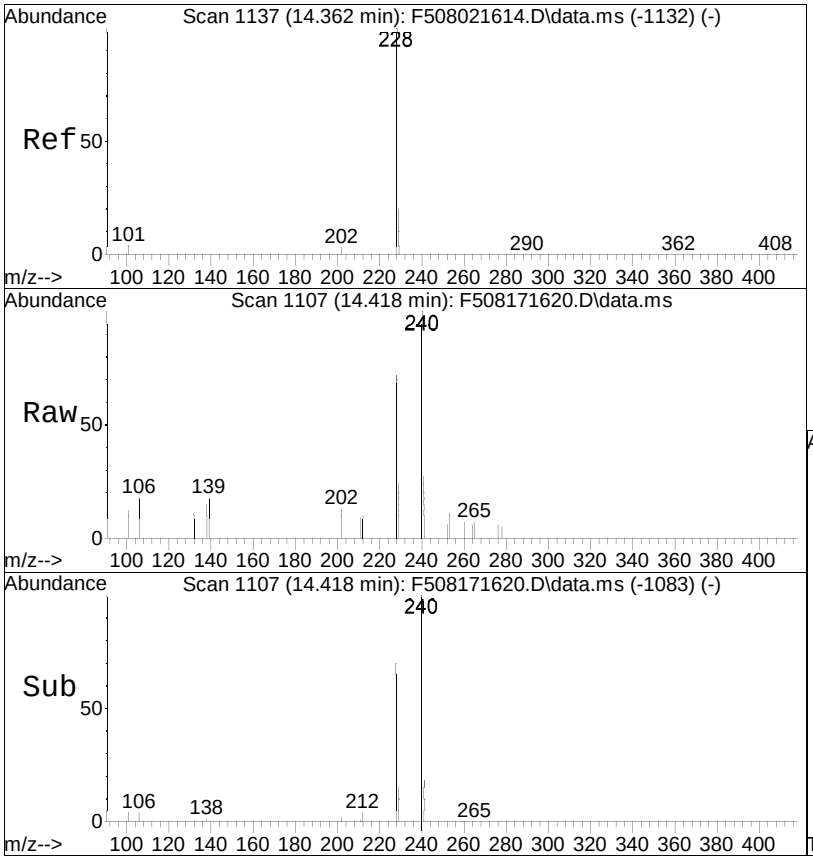


#27
Benz[a]anthracene
Concen: 4.28 ng/mL M4
RT: 14.355 min Scan# 1099
Delta R.T. -0.008 min
Lab File: F508171620.D
Acq: 17 Aug 2016 11:55 pm

Tgt Ion:228 Resp: 1315

Ion	Ratio	Lower	Upper
228	100		
229	31.9	15.4	23.0#

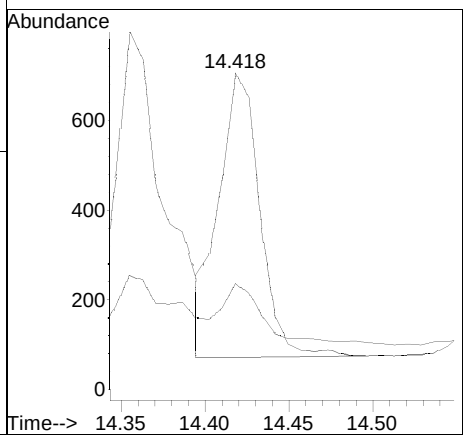


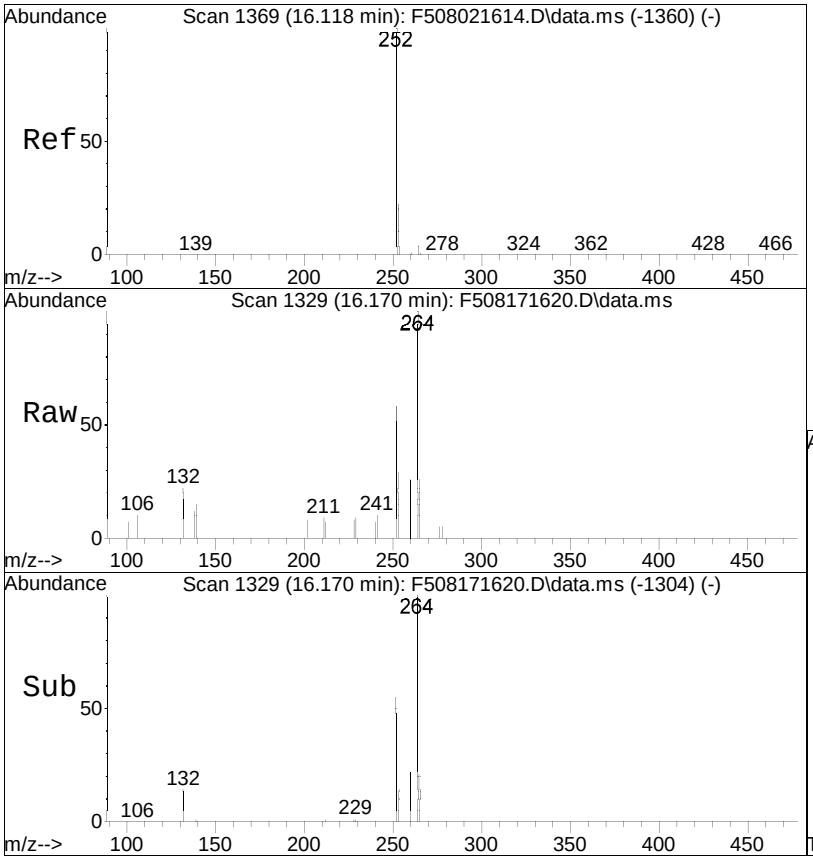


#28
Chrysene
Concen: 3.70 ng/mL
RT: 14.418 min Scan# 1107
Delta R.T. -0.008 min
Lab File: F508171620.D
Acq: 17 Aug 2016 11:55 pm

Tgt Ion:228 Resp: 1073

Ion	Ratio	Lower	Upper
228	100		
229	33.5	15.6	23.4#

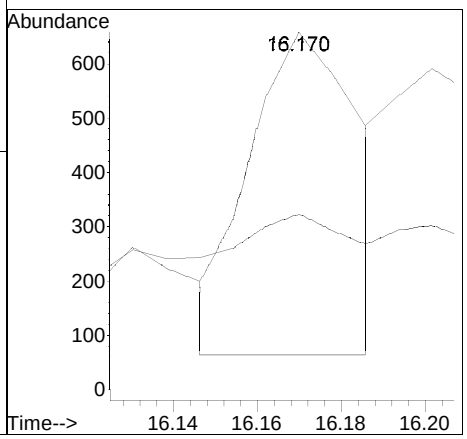


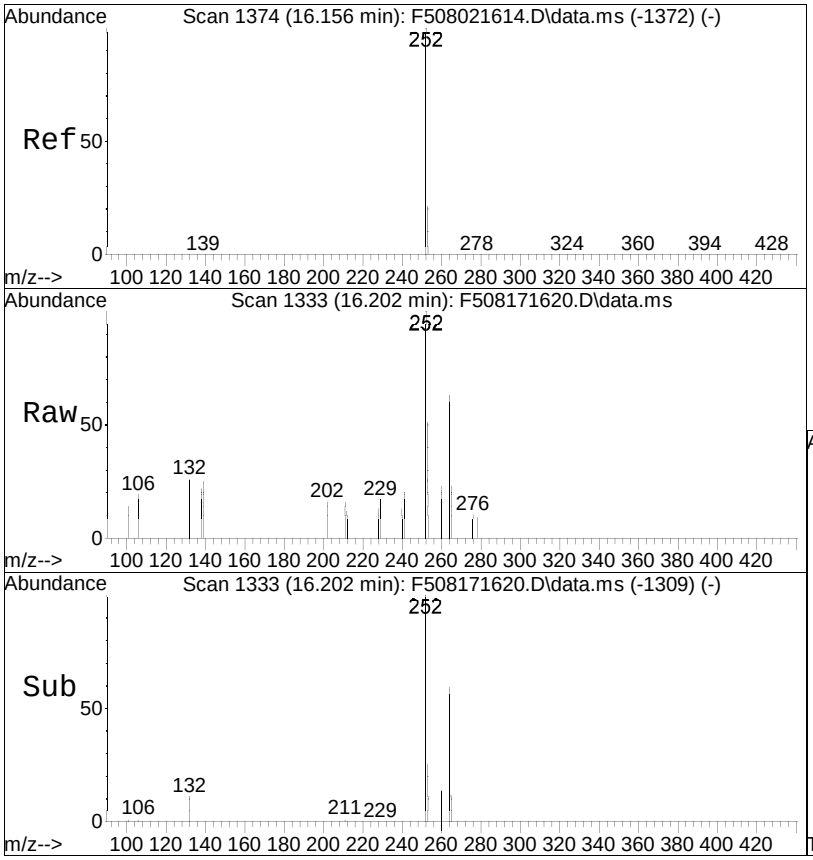


#32
Benzo[b]fluoranthene
Concen: 3.16 ng/mL M4
RT: 16.170 min Scan# 1329
Delta R.T. 0.000 min
Lab File: F508171620.D
Acq: 17 Aug 2016 11:55 pm

Tgt Ion:252 Resp: 1065

Ion	Ratio	Lower	Upper
252	100		
253	49.2	17.4	26.0#

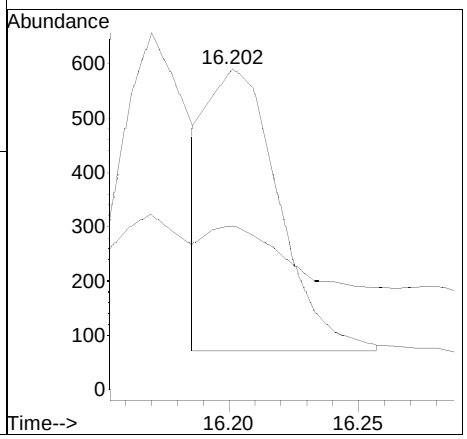


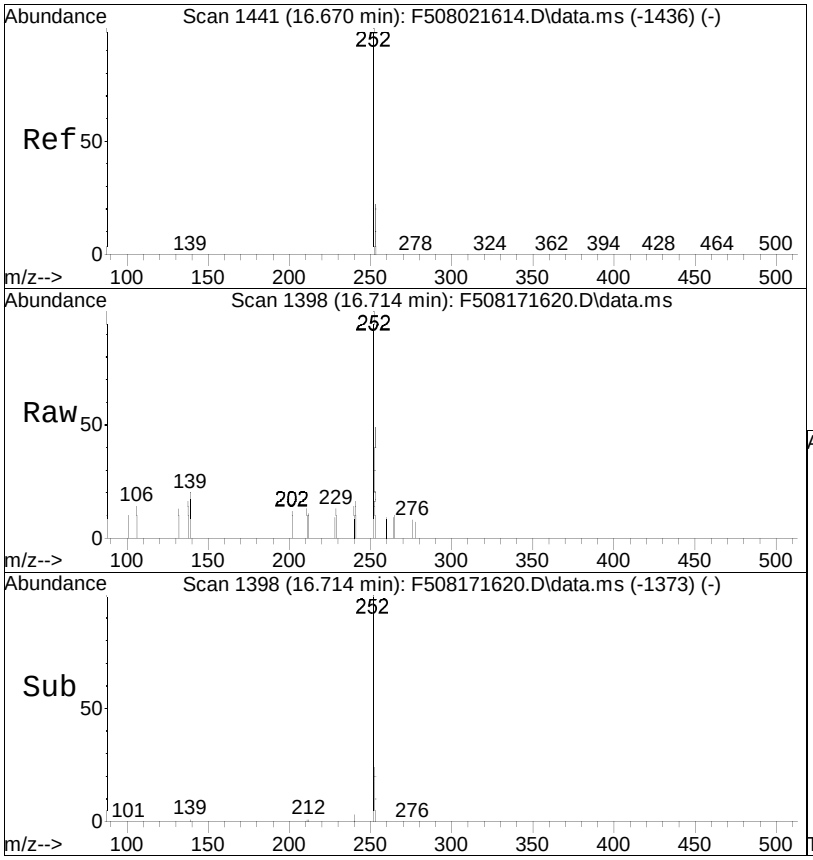


#33
Benzo[k]fluoranthene
Concen: 3.50 ng/mL M4
RT: 16.202 min Scan# 1333
Delta R.T. -0.008 min
Lab File: F508171620.D
Acq: 17 Aug 2016 11:55 pm

Tgt Ion:252 Resp: 985

Ion	Ratio	Lower	Upper
252	100		
253	51.1	17.4	26.0#

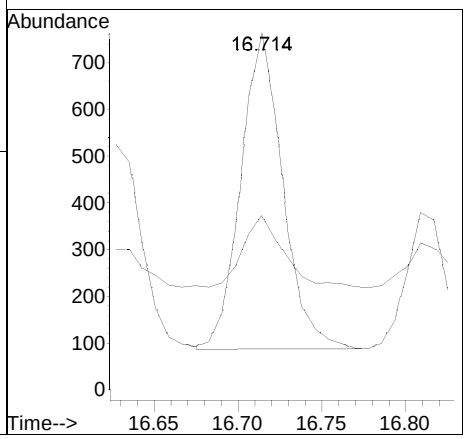


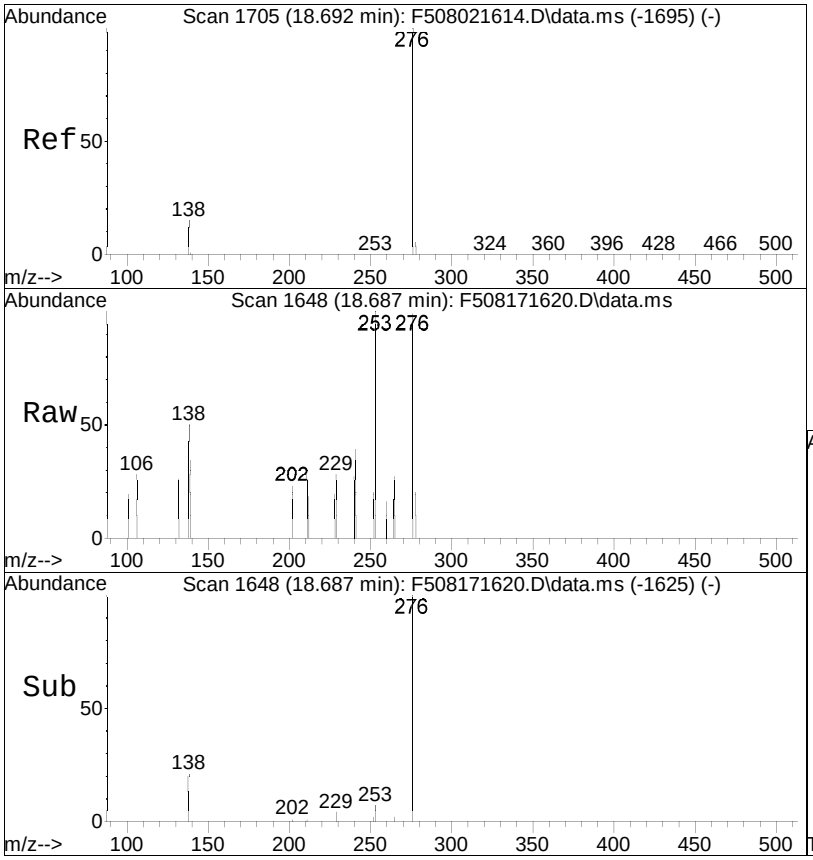


#35
Benzo[a]pyrene
Concen: 3.97 ng/mL
RT: 16.714 min Scan# 1398
Delta R.T. 0.000 min
Lab File: F508171620.D
Acq: 17 Aug 2016 11:55 pm

Tgt Ion:252 Resp: 1173

Ion	Ratio	Lower	Upper
252	100		
253	48.8	17.4	26.2#

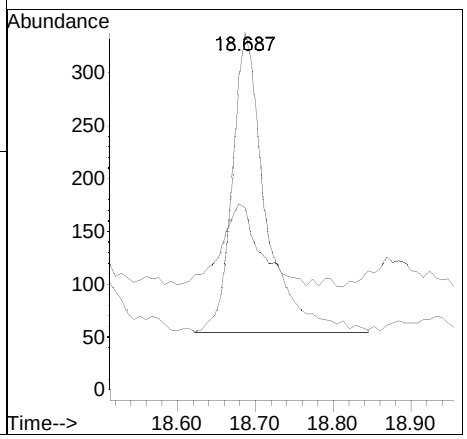


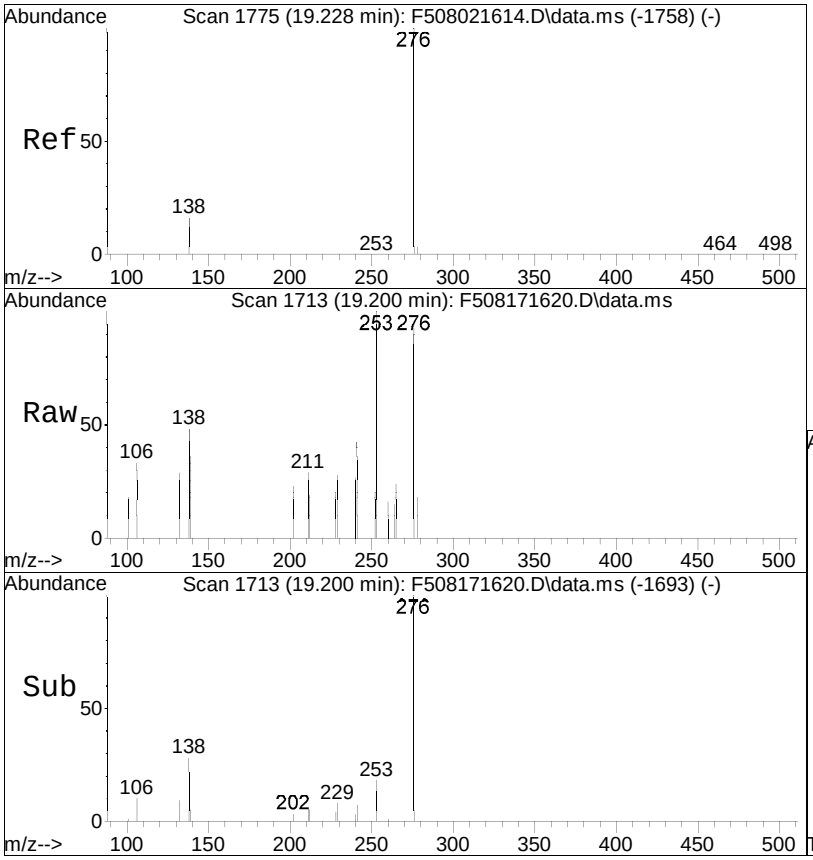


#37
Indeno[1,2,3-cd]pyrene
Concen: 2.66 ng/mL
RT: 18.687 min Scan# 1648
Delta R.T. -0.008 min
Lab File: F508171620.D
Acq: 17 Aug 2016 11:55 pm

Tgt Ion:276 Resp: 834

Ion	Ratio	Lower	Upper
276	100		
138	51.2	21.4	32.2#

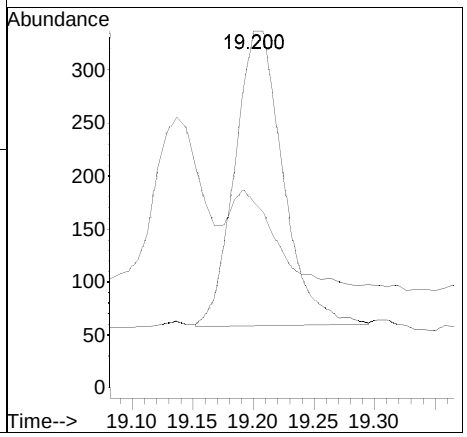




#39
Benzo[g,h,i]perylene
Concen: 2.40 ng/mL
RT: 19.200 min Scan# 1713
Delta R.T. -0.008 min
Lab File: F508171620.D
Acq: 17 Aug 2016 11:55 pm

Tgt Ion:276 Resp: 770

Ion	Ratio	Lower	Upper
276	100		
138	51.9	33.5	50.3#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171623.D
Acq On : 18 Aug 2016 1:38 am
Operator : PAH5:DP
Sample : L1625236-04
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 18 12:35:57 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.946	136	124021	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.682	164	61142	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.122	188	121726	500.000	ng/mL	0.00
24) Chrysene-d12	14.387	240	122567	500.000	ng/mL	0.00
29) Perylene-d12	16.809	264	122667	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.611	152	49185	341.857	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 6.84%#			
25) Pyrene-d10	12.643	212	91088	423.264	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.47%#			
31) Benzo[b]fluoranthene-d12	16.131	264	90660	422.613	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.45%#			
Target Compounds						Qvalue
2) Naphthalene	7.960	128	1697	6.492	ng/mL#	88
5) 2-Methylnaphthalene	8.640	142	252	1.612	ng/mL	91
12) Acenaphthylene	9.532	152	201	0.725	ng/mL#	29
13) Acenaphthene	9.706	153	153M4	0.912	ng/mL	
15) Fluorene	10.201	166	316M4	1.661	ng/mL	
19) Phenanthrene	11.146	178	1372M4	4.854	ng/mL	
20) Anthracene	11.185	178	195	0.719	ng/mL#	1
23) Fluoranthene	12.390	202	1719	5.566	ng/mL#	93
26) Pyrene	12.659	202	1654	4.966	ng/mL#	89
27) Benz[a]anthracene	14.355	228	585M4	1.945	ng/mL	
28) Chrysene	14.418	228	569	2.003	ng/mL#	46
32) Benzo[b]fluoranthene	16.170	252	672M4	2.058	ng/mL	
33) Benzo[k]fluoranthene	16.210	252	626M4	2.297	ng/mL	
35) Benzo[a]pyrene	16.715	252	728	2.546	ng/mL#	13
37) Indeno[1,2,3-cd]pyrene	18.687	276	694	2.284	ng/mL#	40
38) Dibenz[a,h]anthracene	18.735	278	221M4	0.736	ng/mL	
39) Benzo[g,h,i]perylene	19.200	276	578	1.862	ng/mL#	73

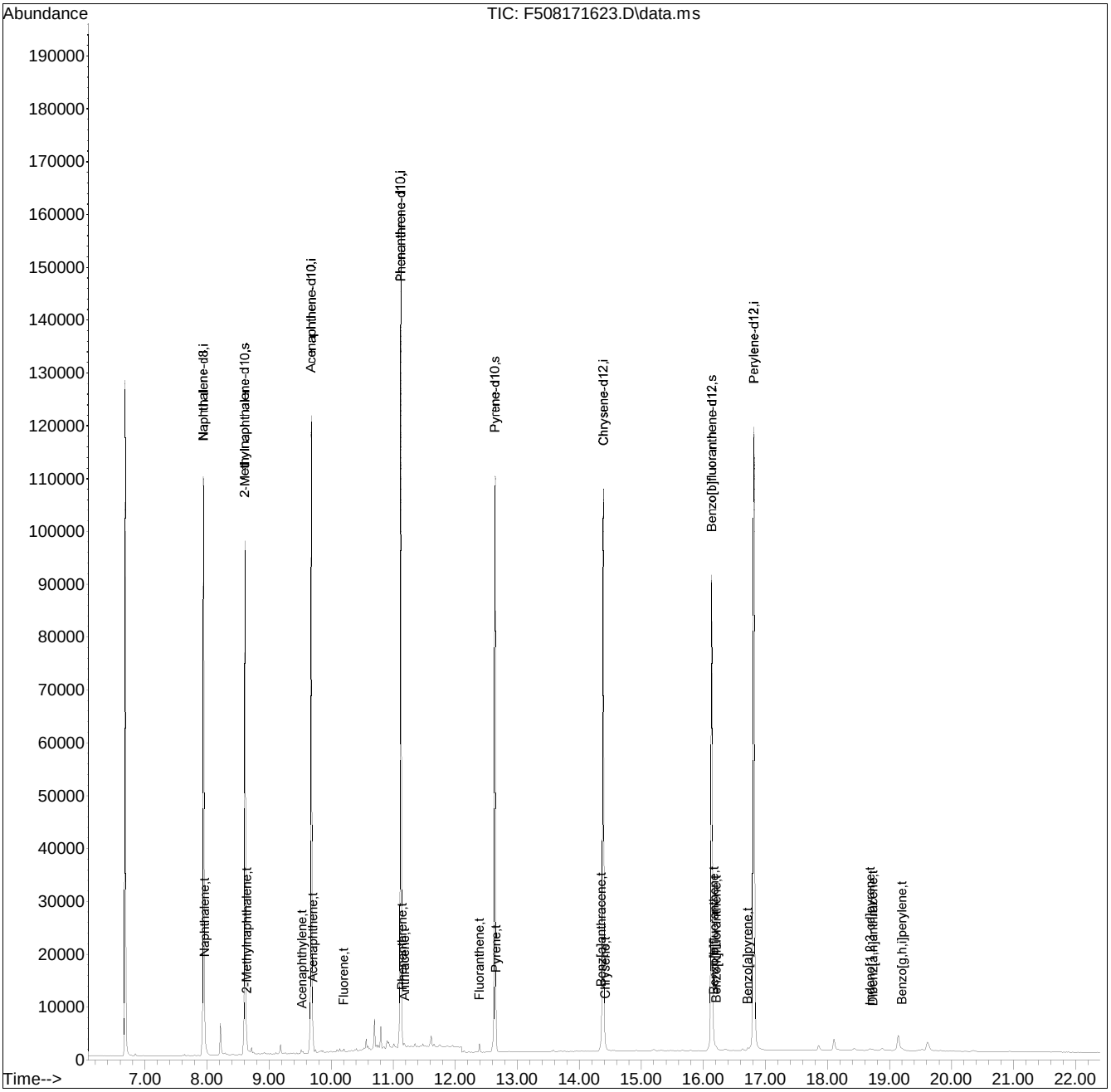
(#) = qualifier out of range (m) = manual integration (+) = signals summed

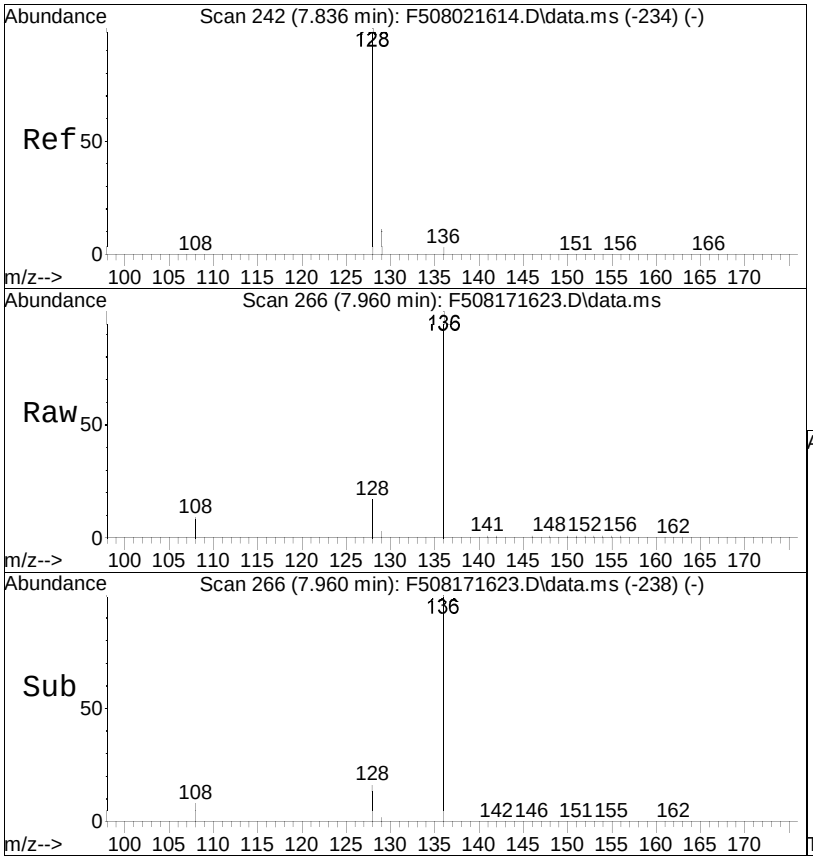
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171623.D
Acq On : 18 Aug 2016 1:38 am
Operator : PAH5:DP
Sample : L1625236-04
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 18 12:35:57 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

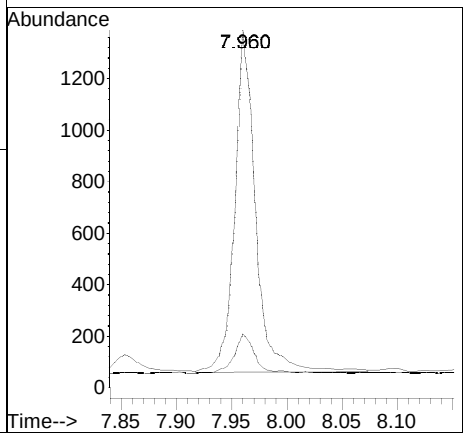


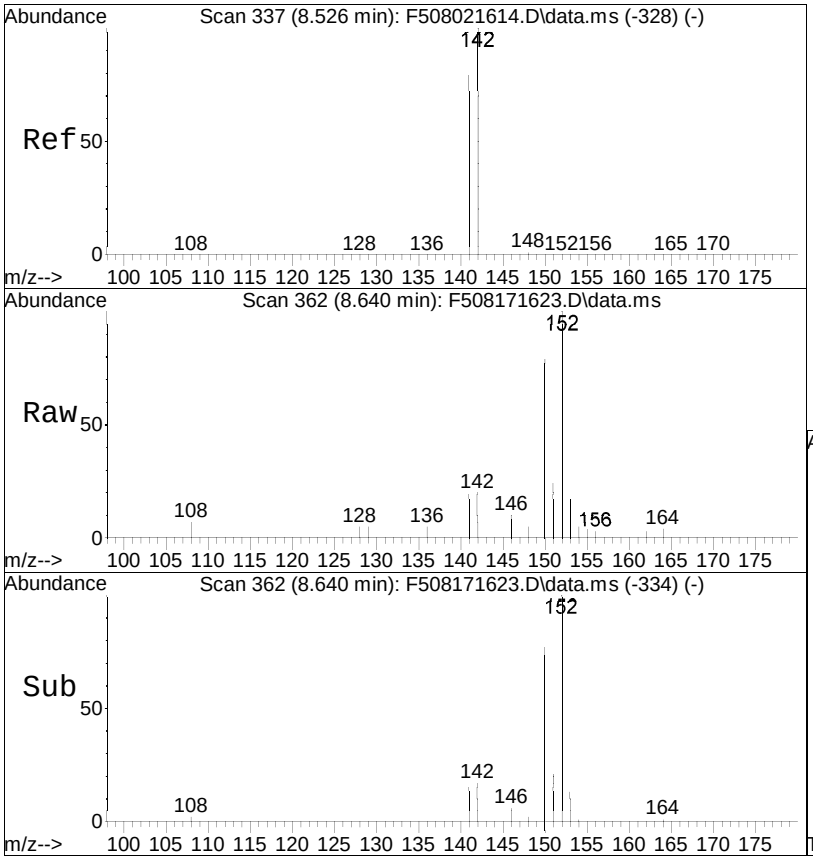


#2
Naphthalene
Concen: 6.49 ng/mL
RT: 7.960 min Scan# 266
Delta R.T. 0.000 min
Lab File: F508171623.D
Acq: 18 Aug 2016 1:38 am

Tgt Ion:128 Resp: 1697

Ion	Ratio	Lower	Upper
128	100		
129	15.2	8.6	13.0#

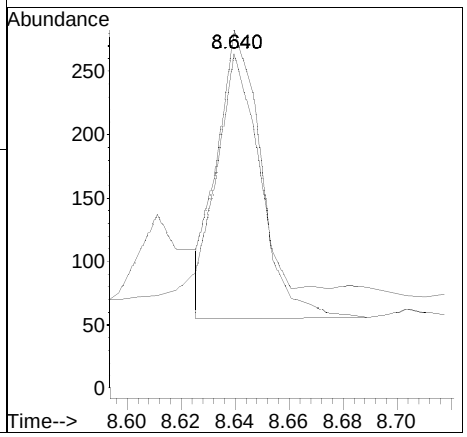


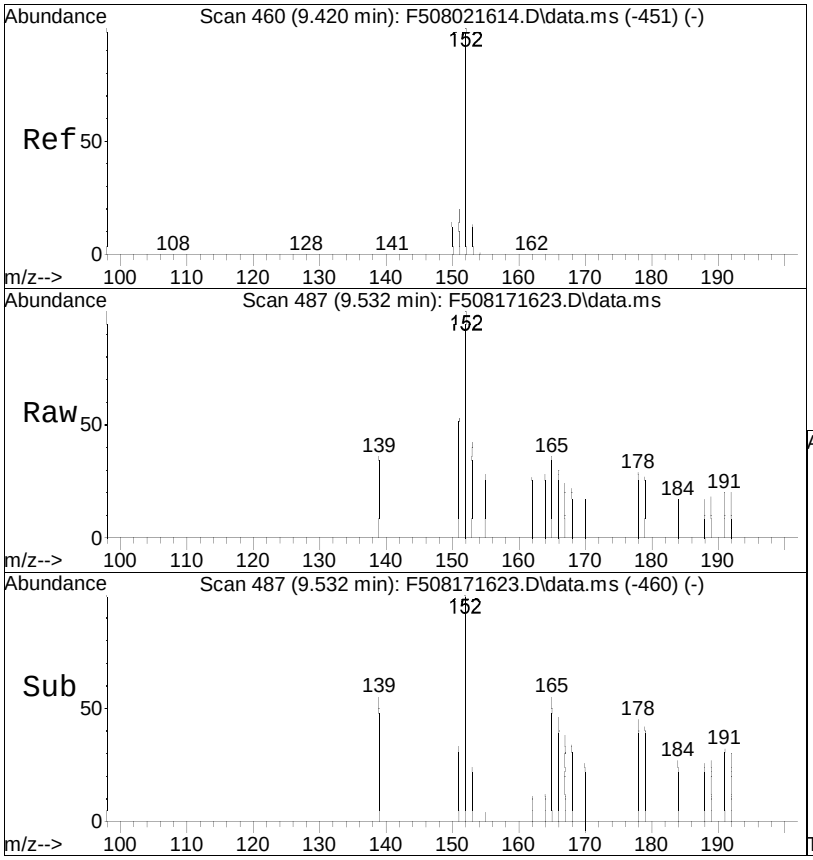


#5
2-Methylnaphthalene
Concen: 1.61 ng/mL
RT: 8.640 min Scan# 362
Delta R.T. 0.000 min
Lab File: F508171623.D
Acq: 18 Aug 2016 1:38 am

Tgt Ion:142 Resp: 252

Ion	Ratio	Lower	Upper
142	100		
141	93.6	68.5	102.7

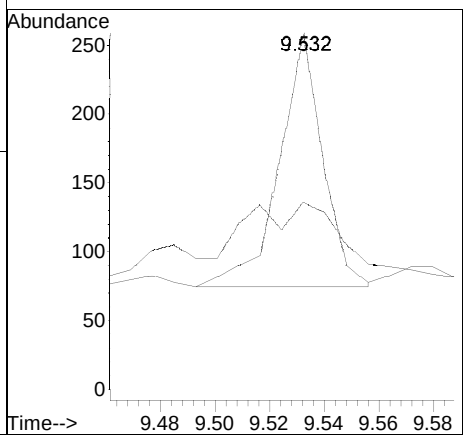


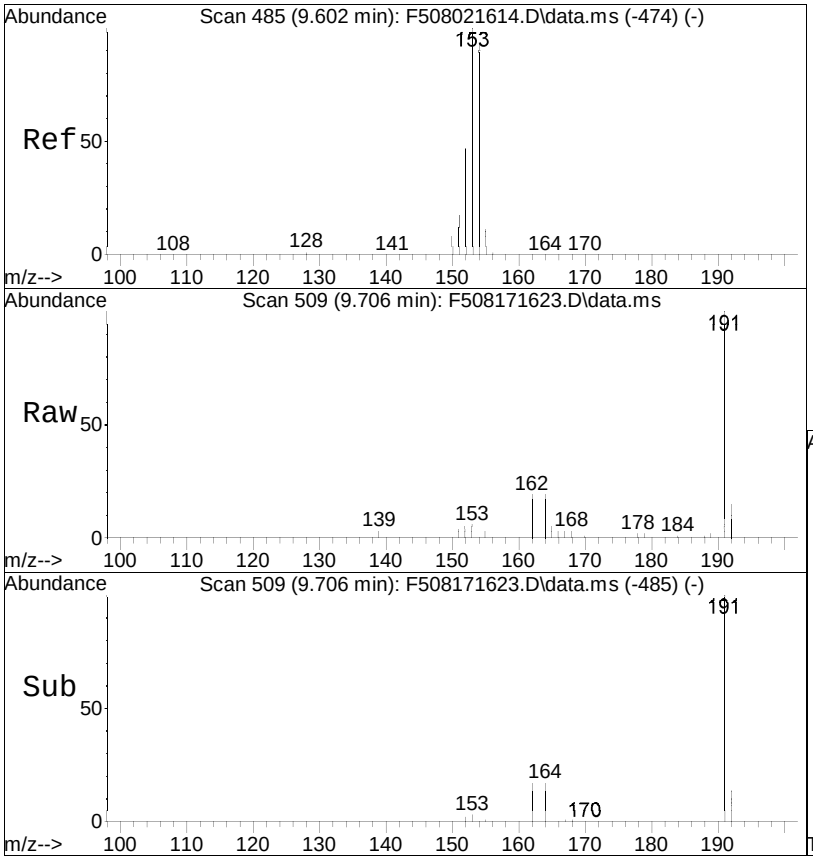


#12
Acenaphthylene
Concen: 0.73 ng/mL
RT: 9.532 min Scan# 487
Delta R.T. 0.000 min
Lab File: F508171623.D
Acq: 18 Aug 2016 1:38 am

Tgt Ion:152 Resp: 201

Ion	Ratio	Lower	Upper
152	100		
151	52.5	15.9	23.9#

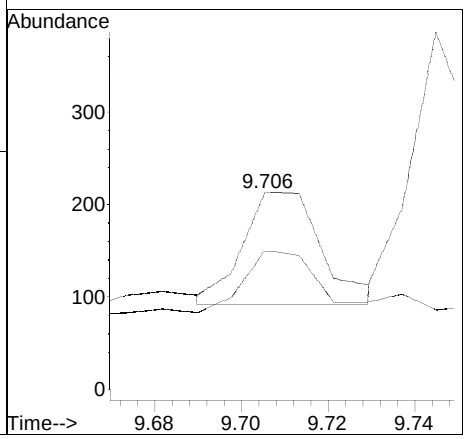


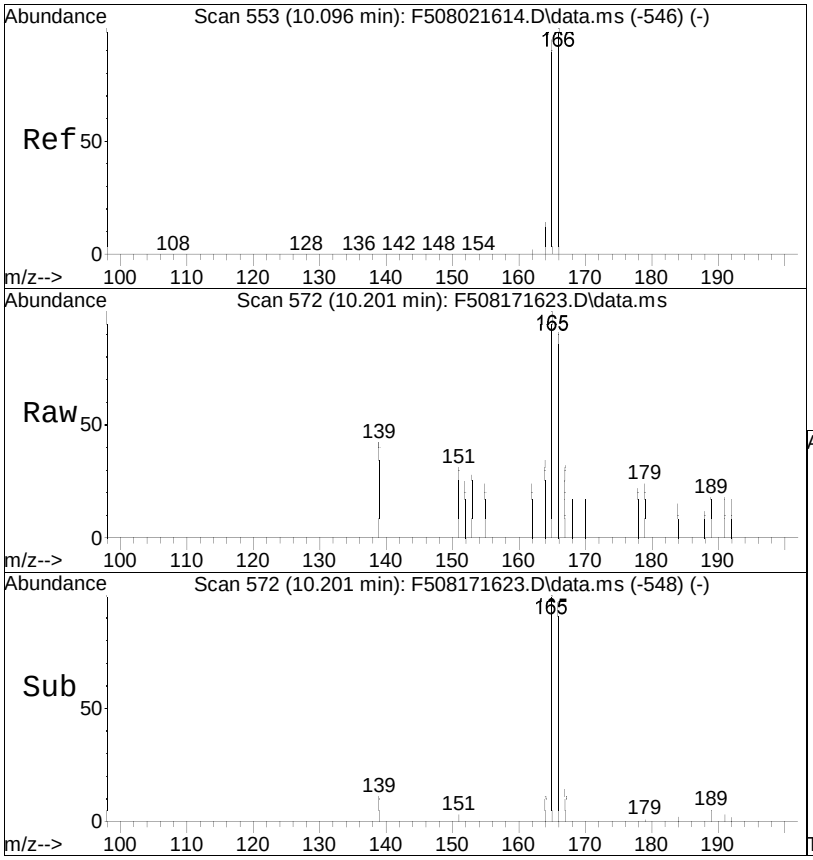


#13
Acenaphthene
Concen: 0.91 ng/mL M4
RT: 9.706 min Scan# 509
Delta R.T. -0.008 min
Lab File: F508171623.D
Acq: 18 Aug 2016 1:38 am

Tgt Ion:153 Resp: 153

Ion	Ratio	Lower	Upper
153	100		
152	70.4	38.0	57.0#

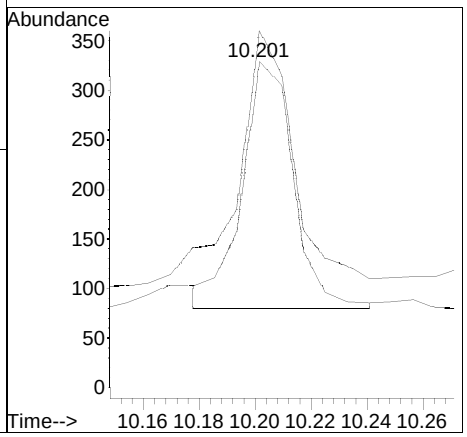


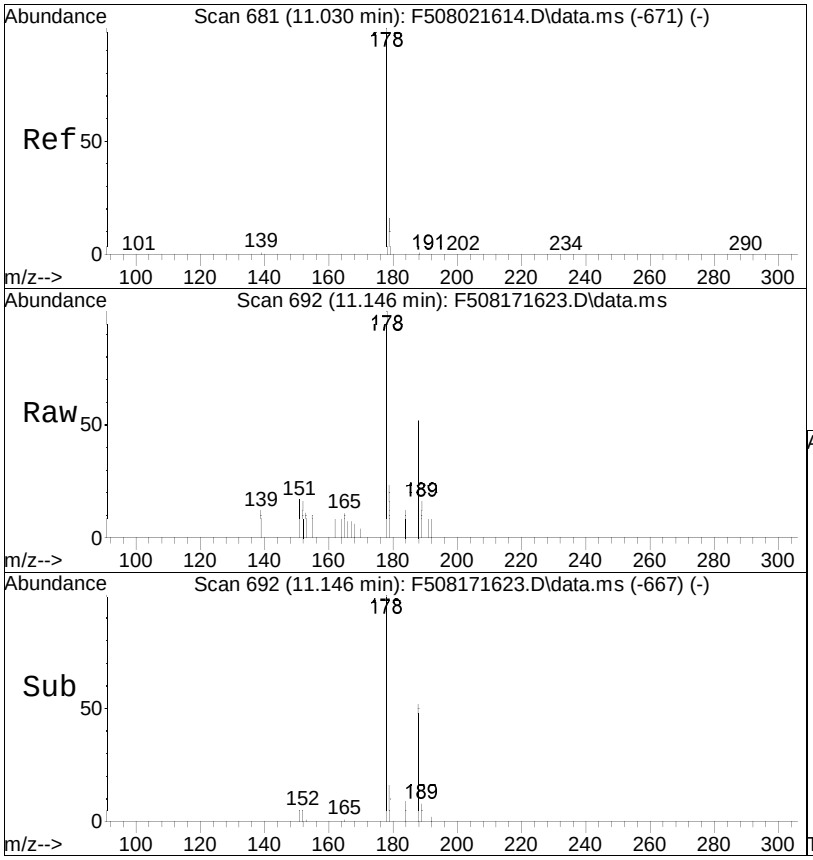


#15
Fluorene
Concen: 1.66 ng/mL M4
RT: 10.201 min Scan# 572
Delta R.T. -0.008 min
Lab File: F508171623.D
Acq: 18 Aug 2016 1:38 am

Tgt Ion:166 Resp: 316

Ion	Ratio	Lower	Upper
166	100		
165	109.4	72.8	109.2#

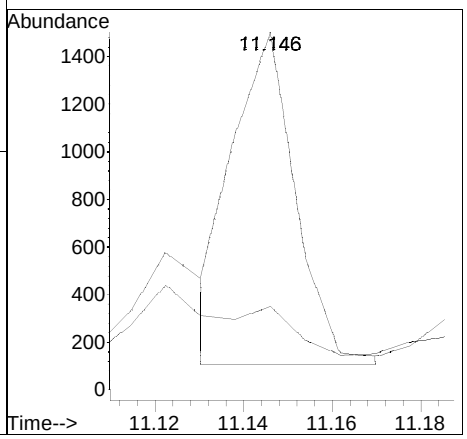


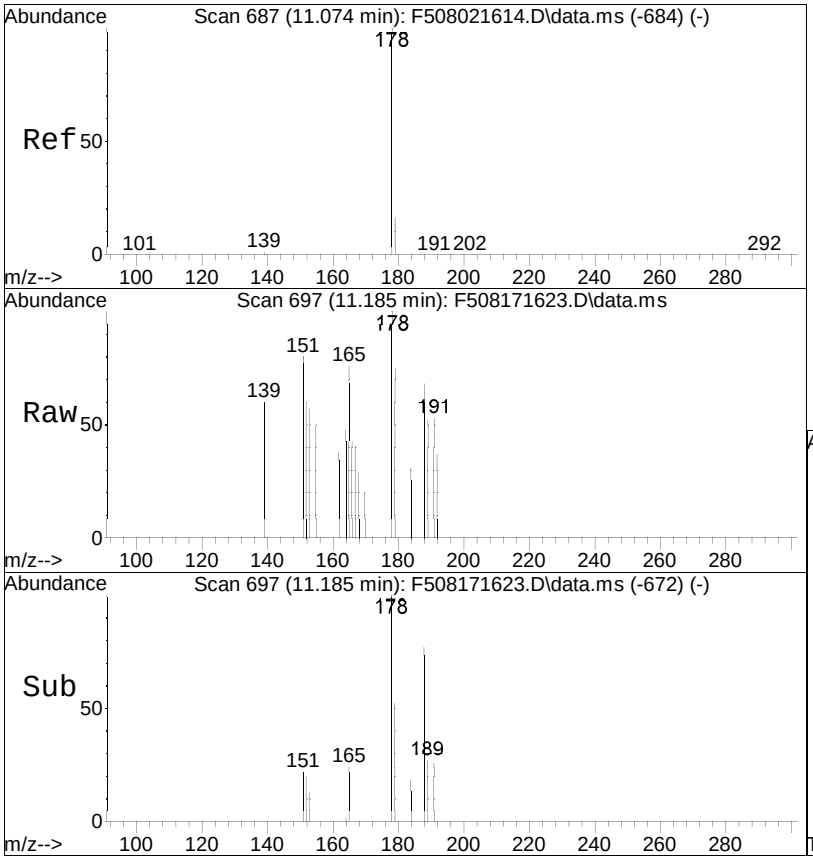


#19
Phenanthrene
Concen: 4.85 ng/mL M4
RT: 11.146 min Scan# 692
Delta R.T. 0.000 min
Lab File: F508171623.D
Acq: 18 Aug 2016 1:38 am

Tgt Ion:178 Resp: 1372

Ion	Ratio	Lower	Upper
178	100		
179	23.4	12.3	18.5#

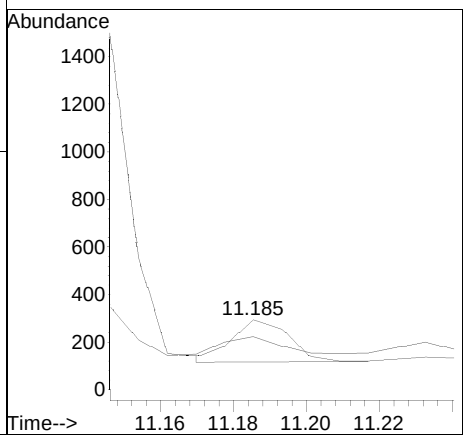


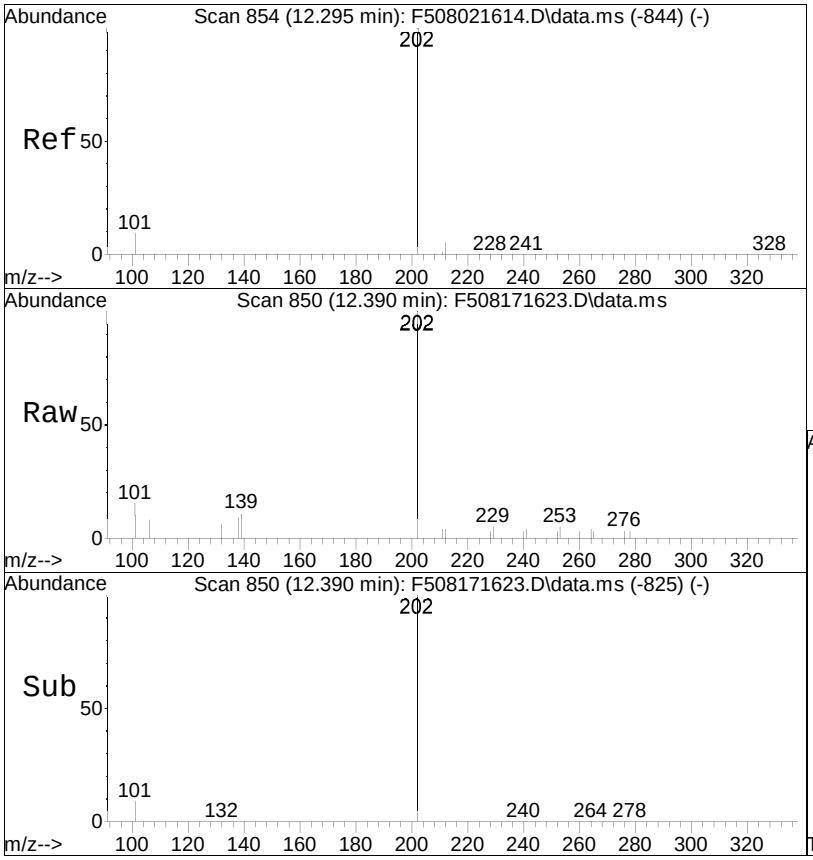


#20
Anthracene
Concen: 0.72 ng/mL
RT: 11.185 min Scan# 697
Delta R.T. 0.000 min
Lab File: F508171623.D
Acq: 18 Aug 2016 1:38 am

Tgt Ion:178 Resp: 195

Ion	Ratio	Lower	Upper
178	100		
179	75.3	12.1	18.1#

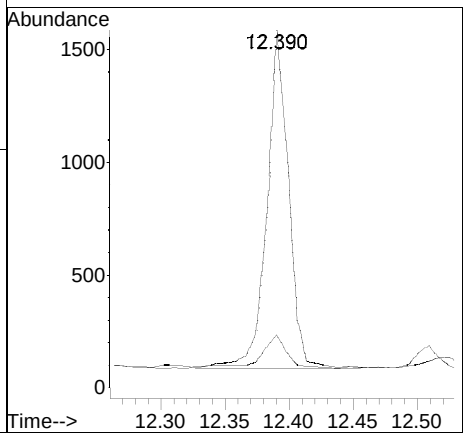


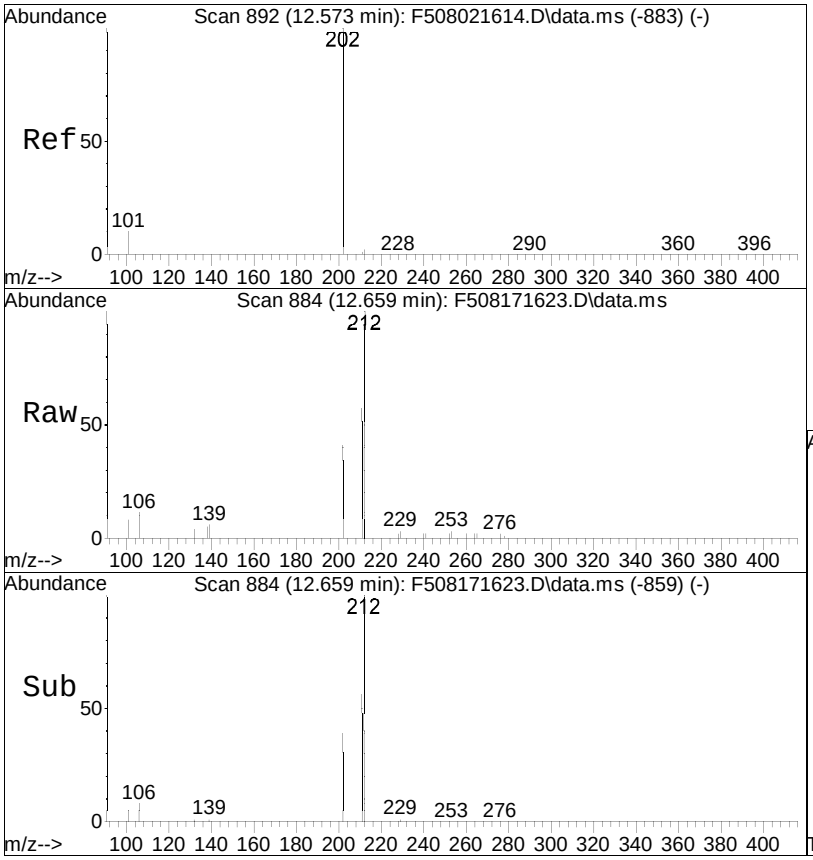


#23
Fluoranthene
Concen: 5.57 ng/mL
RT: 12.390 min Scan# 850
Delta R.T. 0.000 min
Lab File: F508171623.D
Acq: 18 Aug 2016 1:38 am

Tgt Ion:202 Resp: 1719

Ion	Ratio	Lower	Upper
202	100		
101	14.8	9.6	14.4#

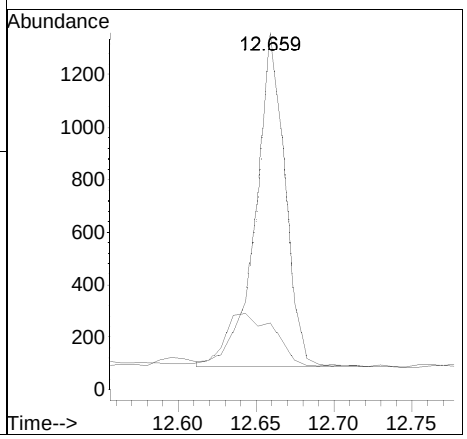


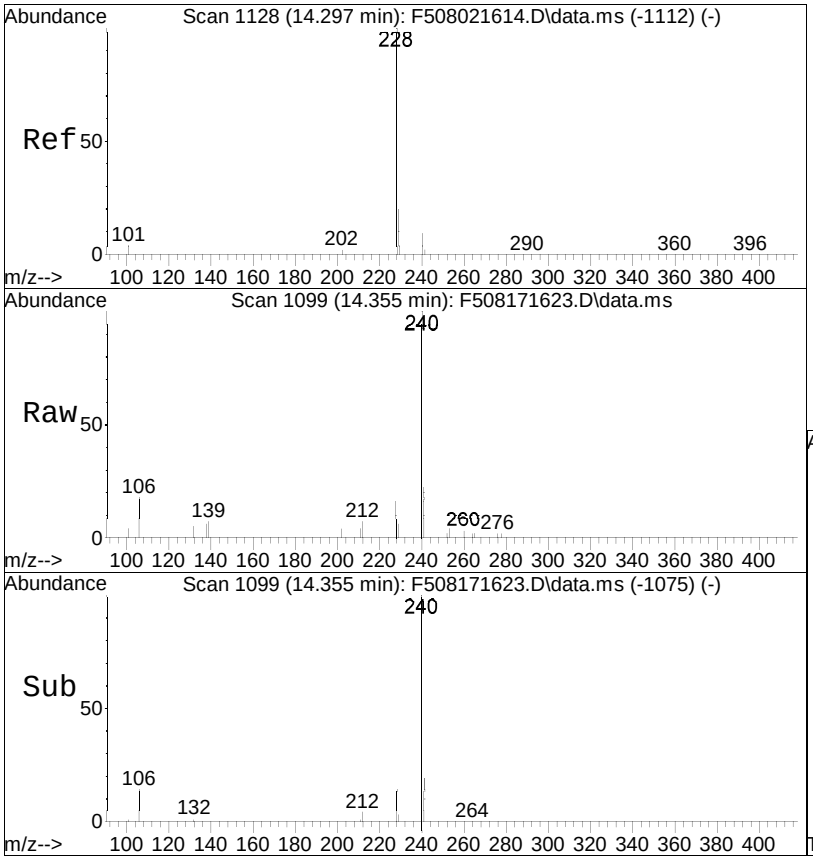


#26
Pyrene
Concen: 4.97 ng/mL
RT: 12.659 min Scan# 884
Delta R.T. 0.000 min
Lab File: F508171623.D
Acq: 18 Aug 2016 1:38 am

Tgt Ion:202 Resp: 1654

Ion	Ratio	Lower	Upper
202	100		
101	18.8	11.4	17.0#

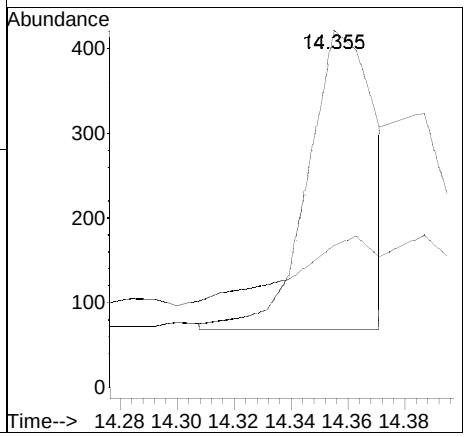


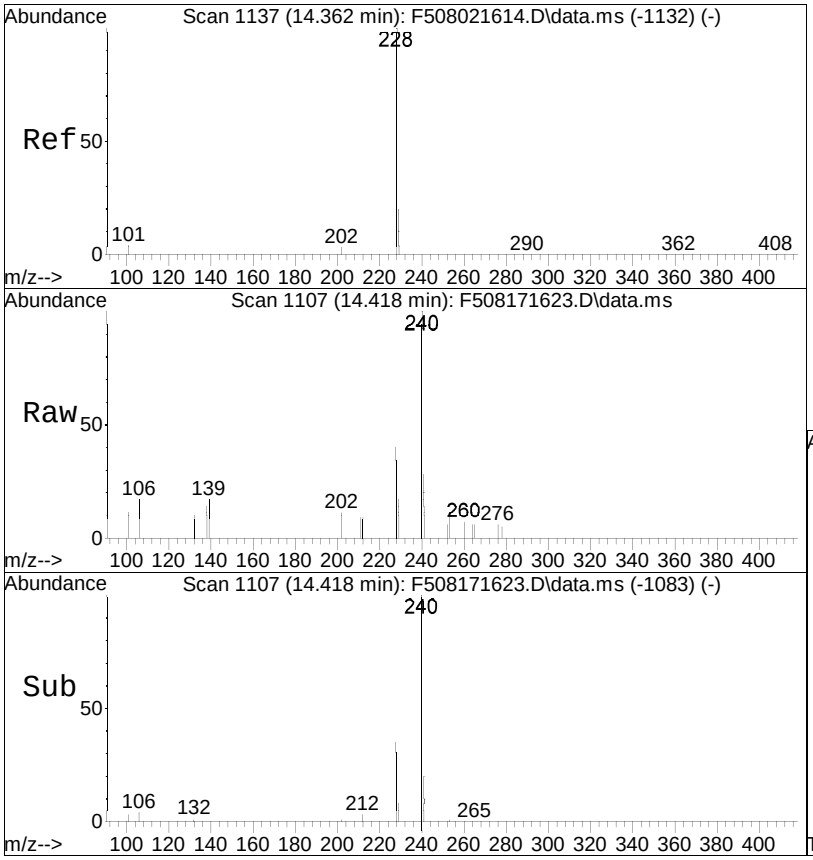


#27
Benz[a]anthracene
Concen: 1.94 ng/mL M4
RT: 14.355 min Scan# 1099
Delta R.T. -0.008 min
Lab File: F508171623.D
Acq: 18 Aug 2016 1:38 am

Tgt Ion:228 Resp: 585

Ion	Ratio	Lower	Upper
228	100		
229	39.7	15.4	23.0#

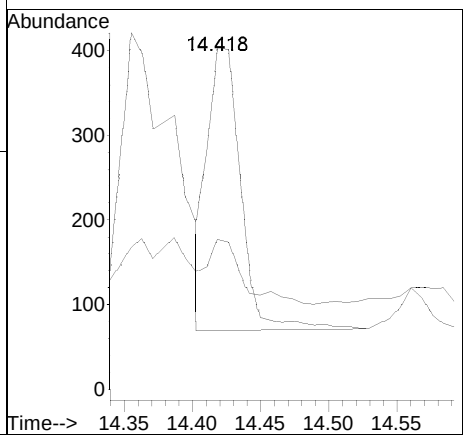


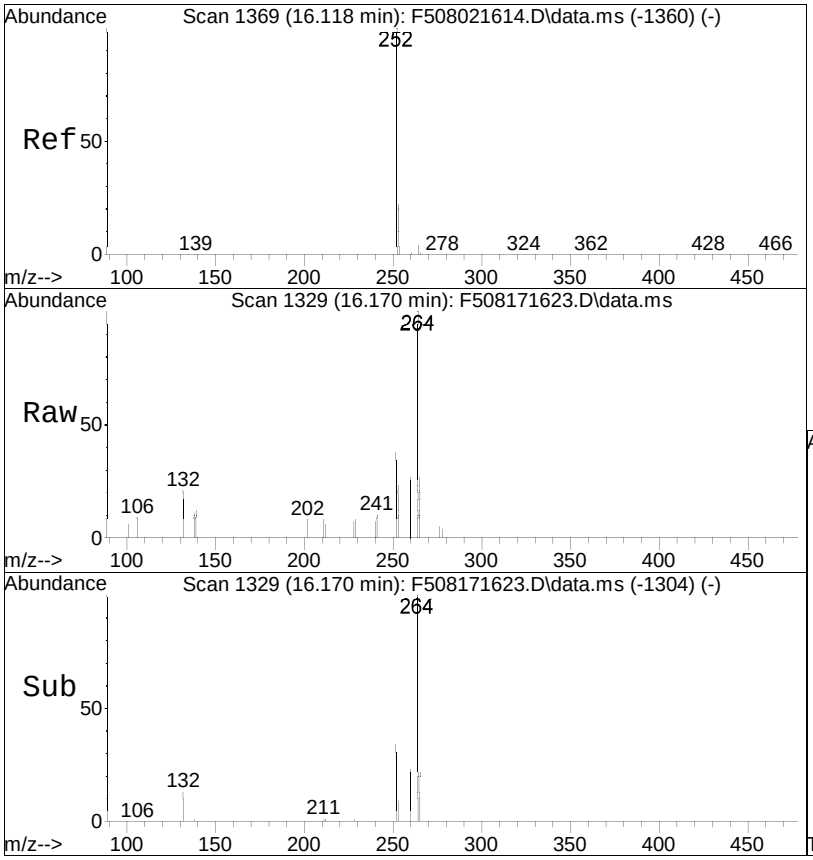


#28
Chrysene
Concen: 2.00 ng/mL
RT: 14.418 min Scan# 1107
Delta R.T. -0.008 min
Lab File: F508171623.D
Acq: 18 Aug 2016 1:38 am

Tgt Ion:228 Resp: 569

Ion	Ratio	Lower	Upper
228	100		
229	44.0	15.6	23.4#

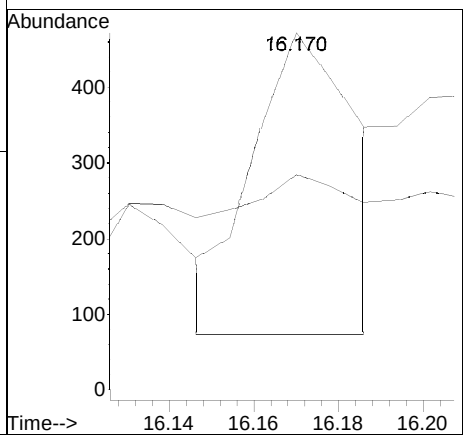


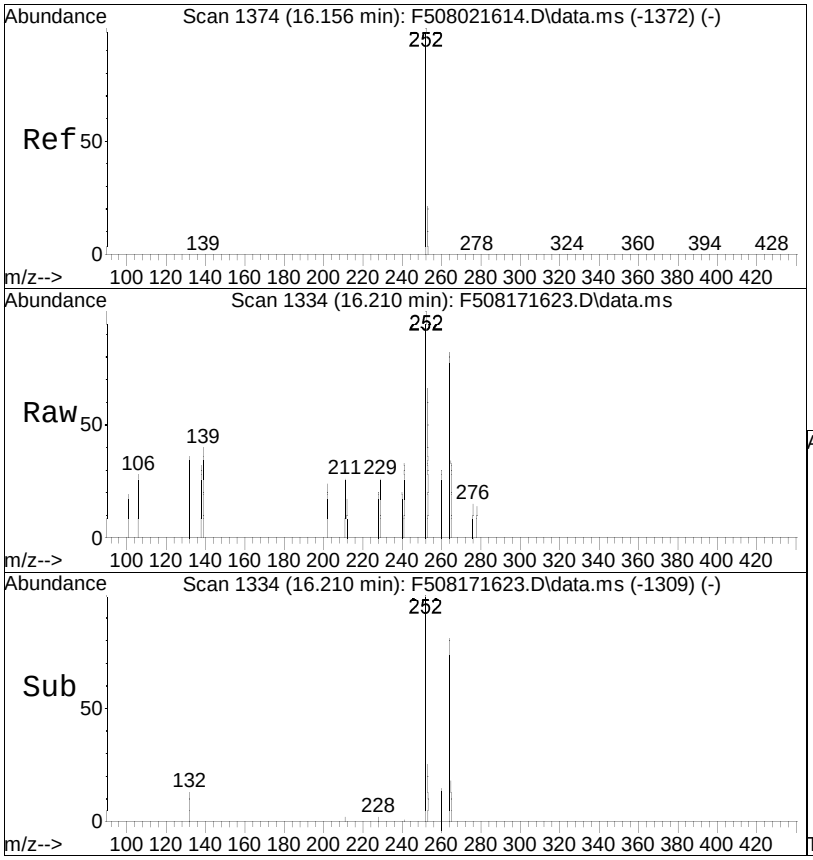


#32
Benzo[b]fluoranthene
Concen: 2.06 ng/mL M4
RT: 16.170 min Scan# 1329
Delta R.T. 0.000 min
Lab File: F508171623.D
Acq: 18 Aug 2016 1:38 am

Tgt Ion:252 Resp: 672

Ion	Ratio	Lower	Upper
252	100		
253	60.2	17.4	26.0#

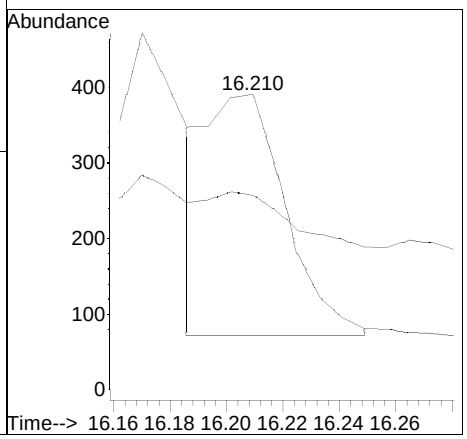


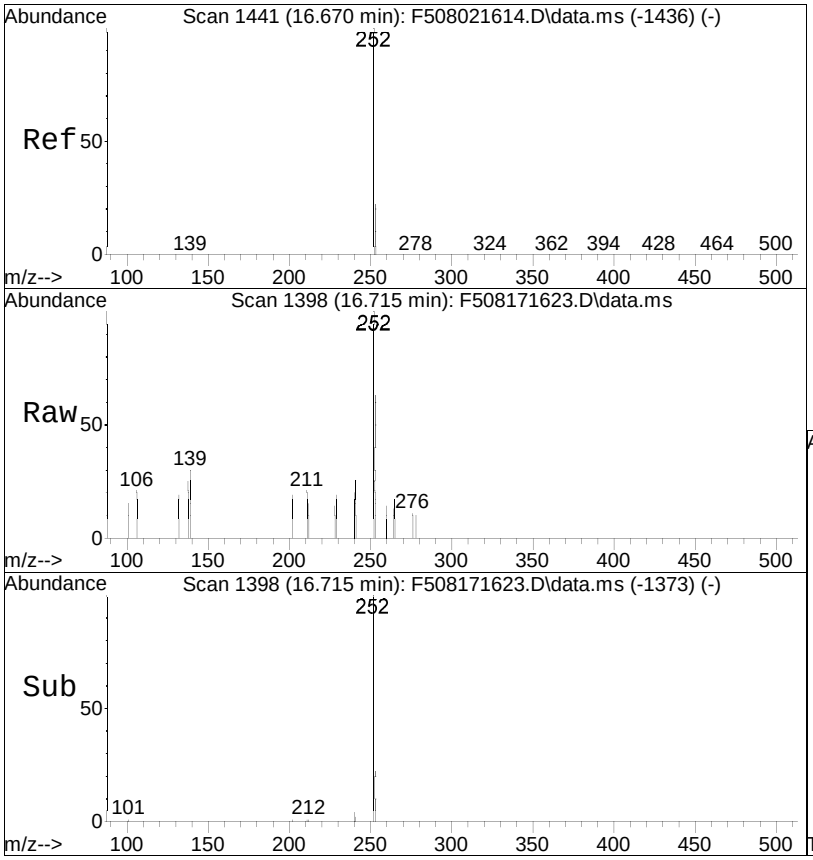


#33
Benzo[k]fluoranthene
Concen: 2.30 ng/mL M4
RT: 16.210 min Scan# 1334
Delta R.T. 0.000 min
Lab File: F508171623.D
Acq: 18 Aug 2016 1:38 am

Tgt Ion:252 Resp: 626

Ion	Ratio	Lower	Upper
252	100		
253	65.9	17.4	26.0#

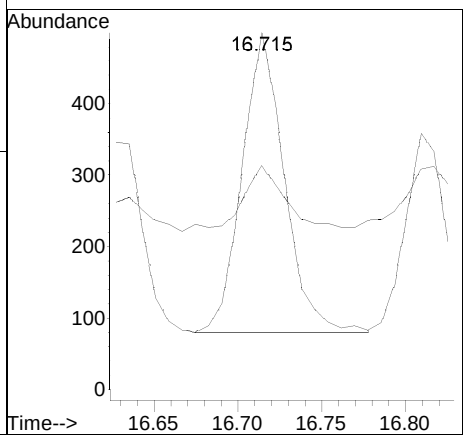


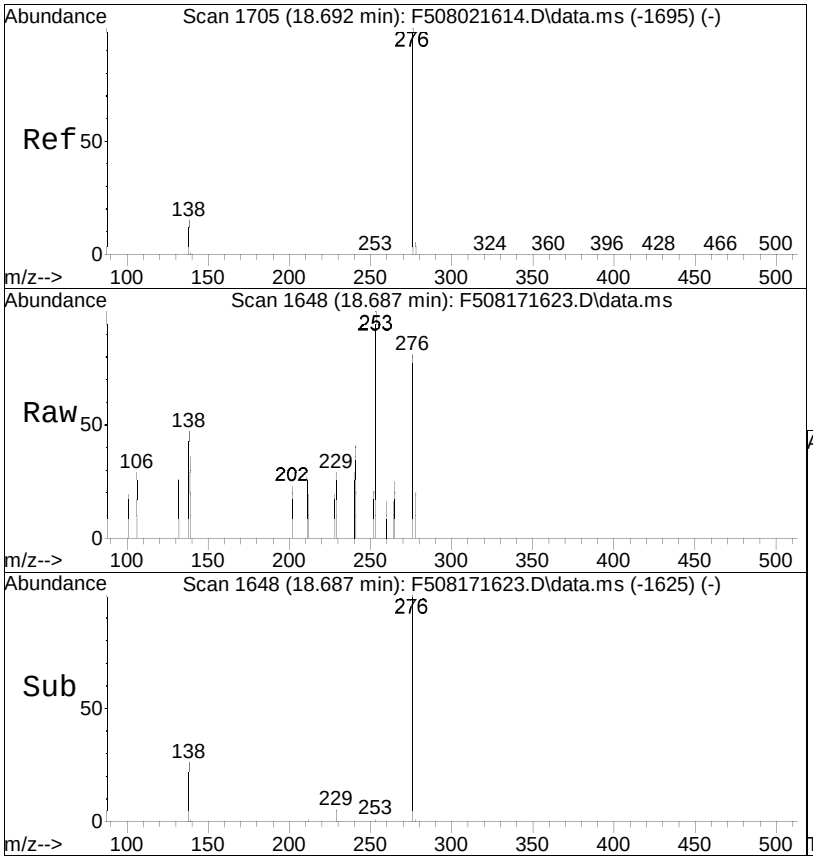


#35
Benzo[a]pyrene
Concen: 2.55 ng/mL
RT: 16.715 min Scan# 1398
Delta R.T. 0.000 min
Lab File: F508171623.D
Acq: 18 Aug 2016 1:38 am

Tgt Ion:252 Resp: 728

Ion	Ratio	Lower	Upper
252	100		
253	62.9	17.4	26.2#

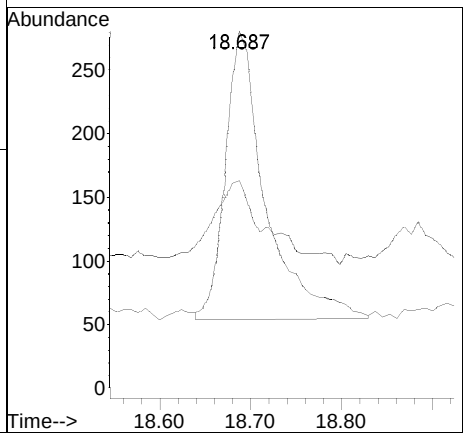


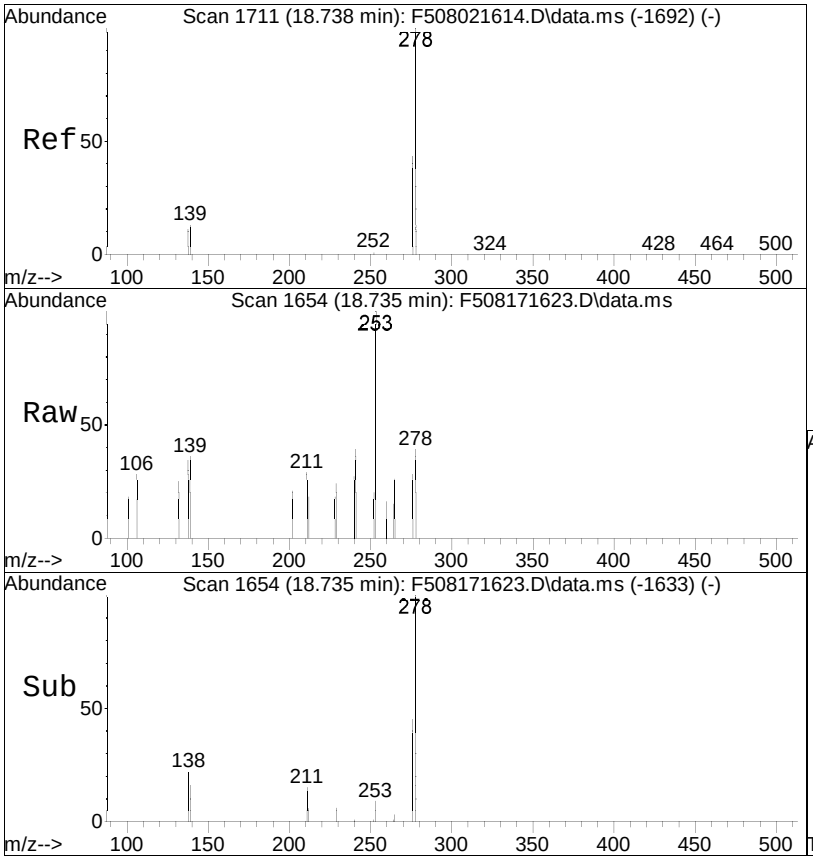


#37
Indeno[1,2,3-cd]pyrene
Concen: 2.28 ng/mL
RT: 18.687 min Scan# 1648
Delta R.T. -0.008 min
Lab File: F508171623.D
Acq: 18 Aug 2016 1:38 am

Tgt Ion:276 Resp: 694

Ion	Ratio	Lower	Upper
276	100		
138	58.0	21.4	32.2#

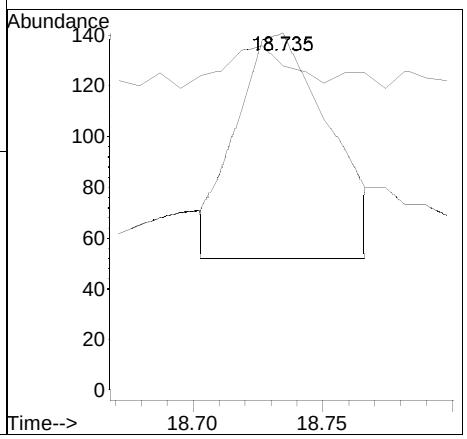


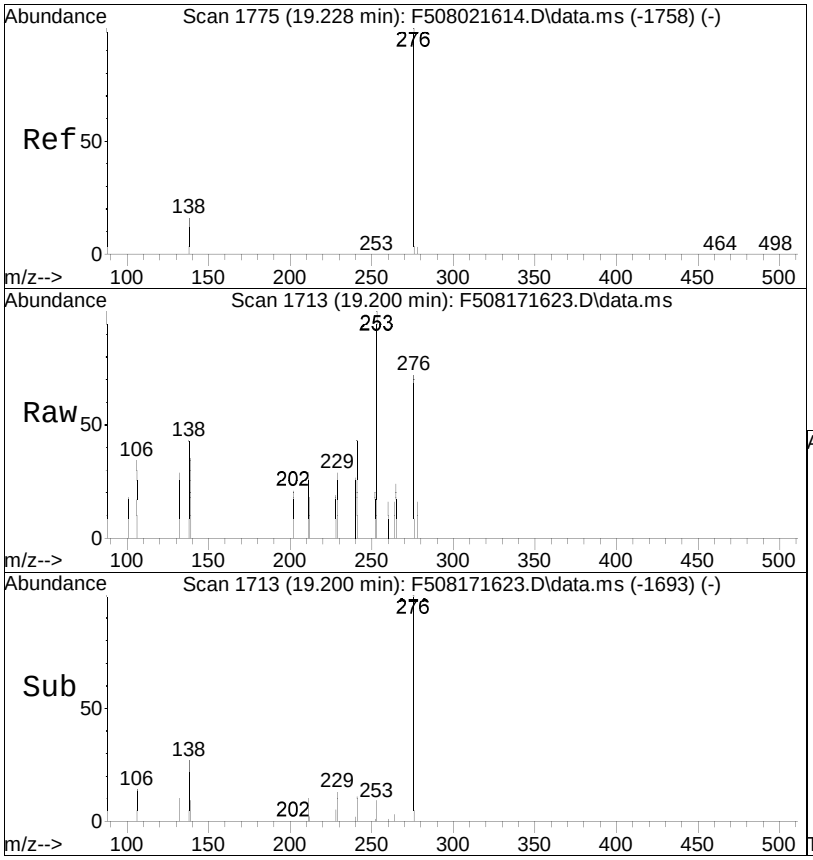


#38
Dibenz[a,h]anthracene
Concen: 0.74 ng/mL M4
RT: 18.735 min Scan# 1654
Delta R.T. 0.000 min
Lab File: F508171623.D
Acq: 18 Aug 2016 1:38 am

Tgt Ion:278 Resp: 221

Ion	Ratio	Lower	Upper
278	100		
139	90.8	18.2	27.2#

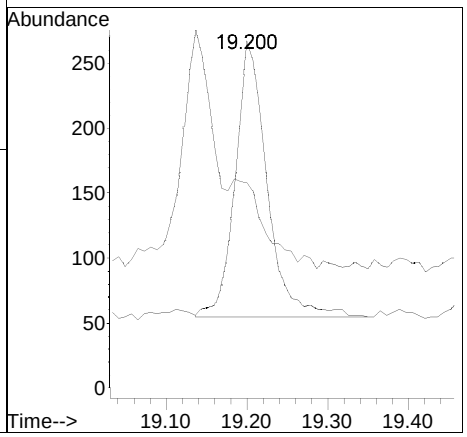




#39
Benzo[g,h,i]perylene
Concen: 1.86 ng/mL
RT: 19.200 min Scan# 1713
Delta R.T. -0.008 min
Lab File: F508171623.D
Acq: 18 Aug 2016 1:38 am

Tgt Ion:276 Resp: 578

Ion	Ratio	Lower	Upper
276	100		
138	59.2	33.5	50.3#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171624.D
Acq On : 18 Aug 2016 2:12 am
Operator : PAH5:DP
Sample : L1625236-05
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 18 12:37:03 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.946	136	126838	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.682	164	63441	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.122	188	125852	500.000	ng/mL	0.00
24) Chrysene-d12	14.387	240	124535	500.000	ng/mL	0.00
29) Perylene-d12	16.817	264	122739	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.611	152	55750	378.881	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 7.58%#			
25) Pyrene-d10	12.643	212	95874	438.463	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.77%#			
31) Benzo[b]fluoranthene-d12	16.130	264	93464	435.429	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.71%#			
Target Compounds						Qvalue
2) Naphthalene	7.967	128	97827	365.910	ng/mL	100
5) 2-Methylnaphthalene	8.647	142	3558	22.249	ng/mL	96
12) Acenaphthylene	9.532	152	9678	33.645	ng/mL	99
13) Acenaphthene	9.713	153	1804M4	10.362	ng/mL	
15) Fluorene	10.209	166	3642	18.451	ng/mL	98
19) Phenanthrene	11.146	178	7939	27.168	ng/mL	96
20) Anthracene	11.185	178	1517M4	5.408	ng/mL	
23) Fluoranthene	12.390	202	2006	6.282	ng/mL#	92
26) Pyrene	12.659	202	1438	4.249	ng/mL#	86
27) Benz[a]anthracene	0.000		0	N.D.	d	
28) Chrysene	14.418	228	90	N.D.		
32) Benzo[b]fluoranthene	16.170	252	74	N.D.		
33) Benzo[k]fluoranthene	16.209	252	61	N.D.		
35) Benzo[a]pyrene	16.714	252	57	N.D.		
37) Indeno[1,2,3-cd]pyrene	18.695	276	80	N.D.		
38) Dibenz[a,h]anthracene	0.000		0	N.D.	d	
39) Benzo[g,h,i]perylene	19.208	276	72	N.D.		

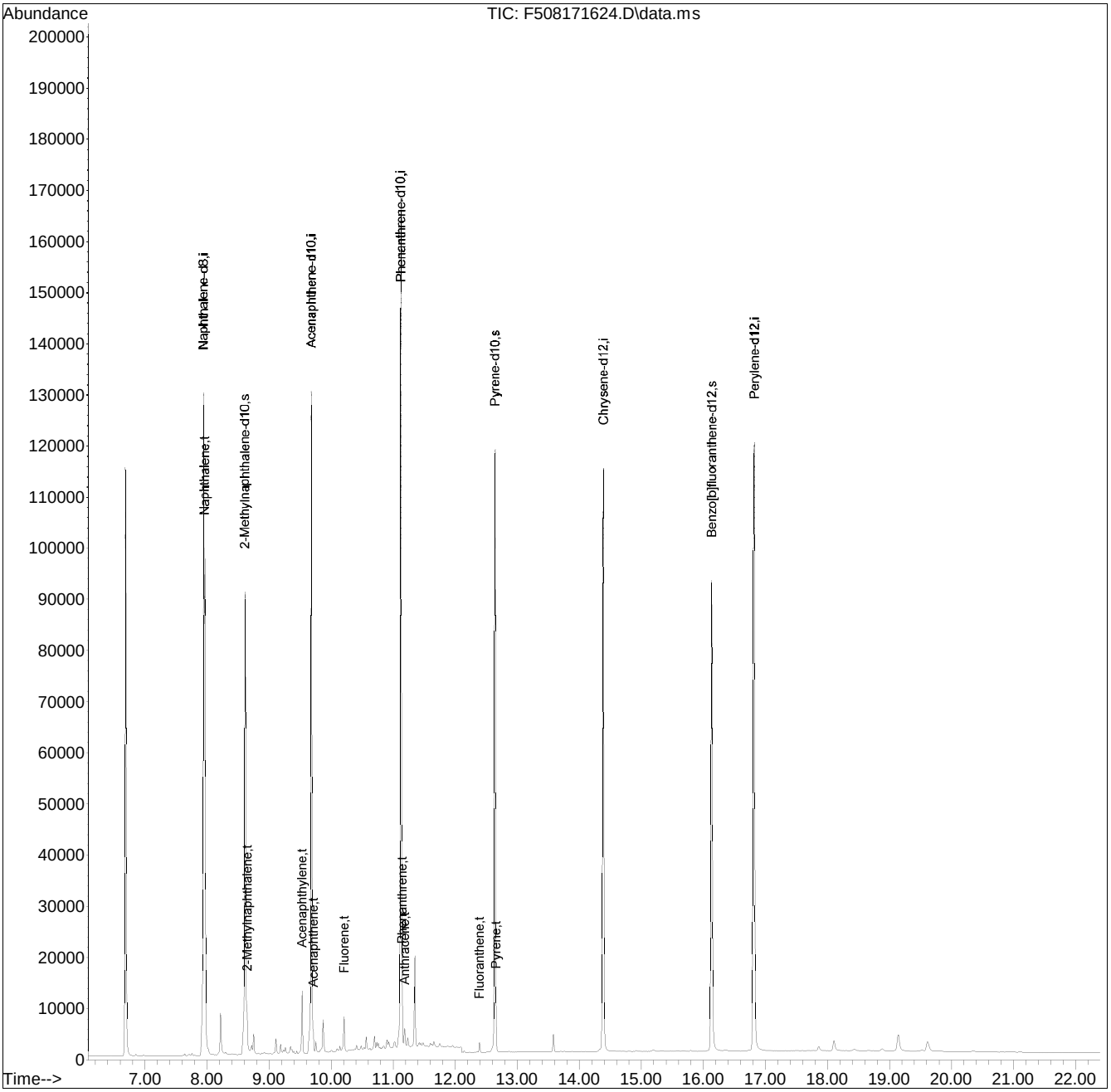
(#) = qualifier out of range (m) = manual integration (+) = signals summed

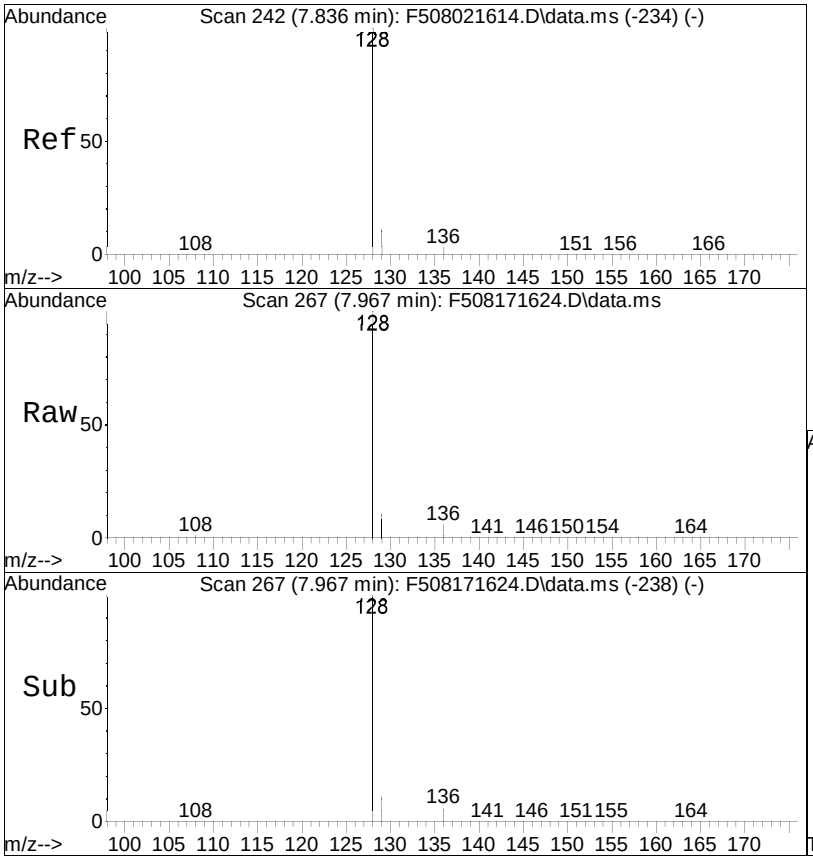
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171624.D
Acq On : 18 Aug 2016 2:12 am
Operator : PAH5:DP
Sample : L1625236-05
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 18 12:37:03 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

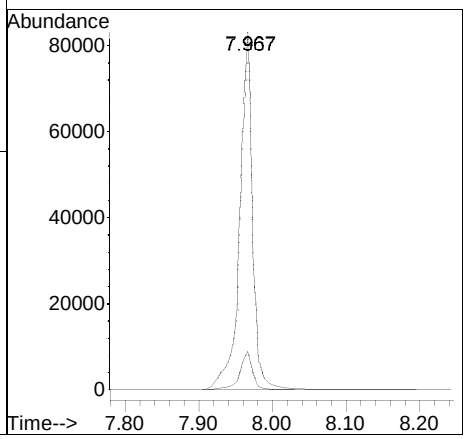


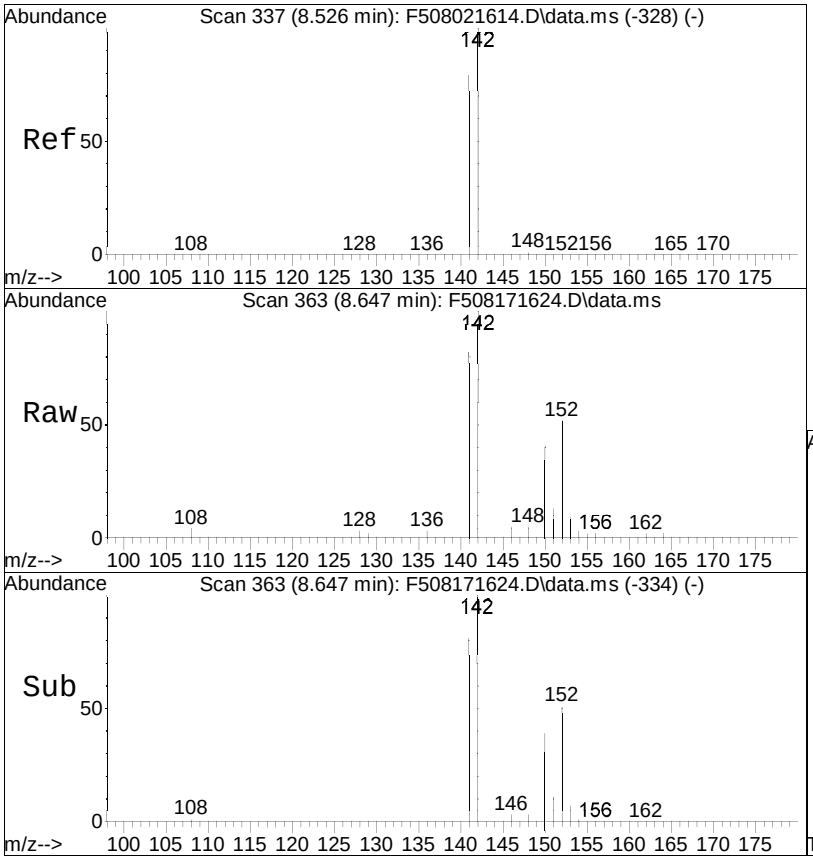


#2
Naphthalene
Concen: 365.91 ng/mL
RT: 7.967 min Scan# 267
Delta R.T. 0.007 min
Lab File: F508171624.D
Acq: 18 Aug 2016 2:12 am

Tgt Ion:128 Resp: 97827

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0

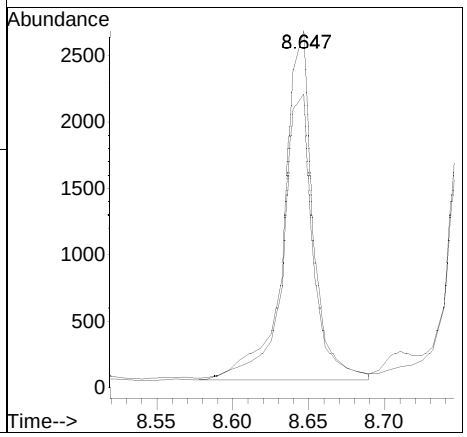


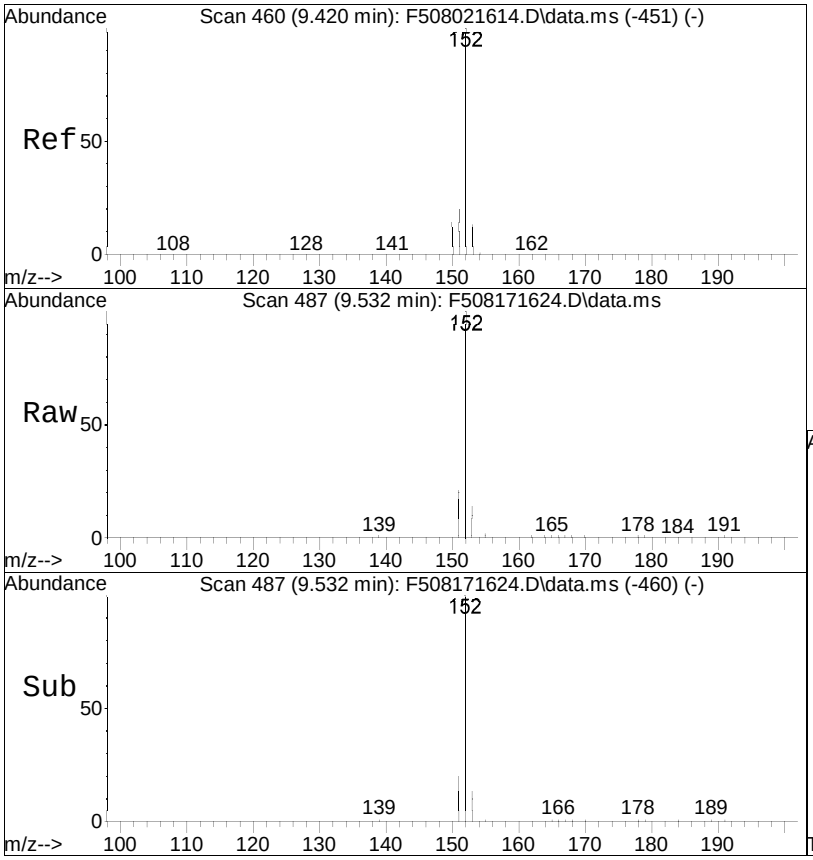


#5
2-Methylnaphthalene
Concen: 22.25 ng/mL
RT: 8.647 min Scan# 363
Delta R.T. 0.007 min
Lab File: F508171624.D
Acq: 18 Aug 2016 2:12 am

Tgt Ion:142 Resp: 3558

Ion	Ratio	Lower	Upper
142	100		
141	82.1	68.5	102.7

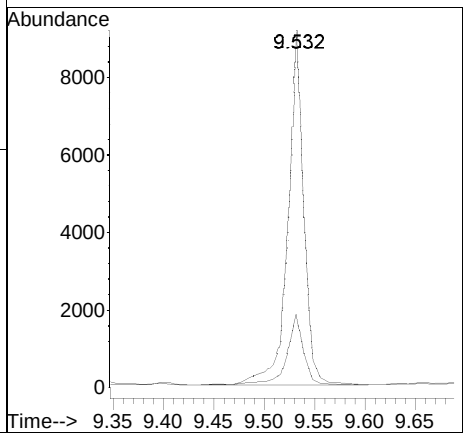


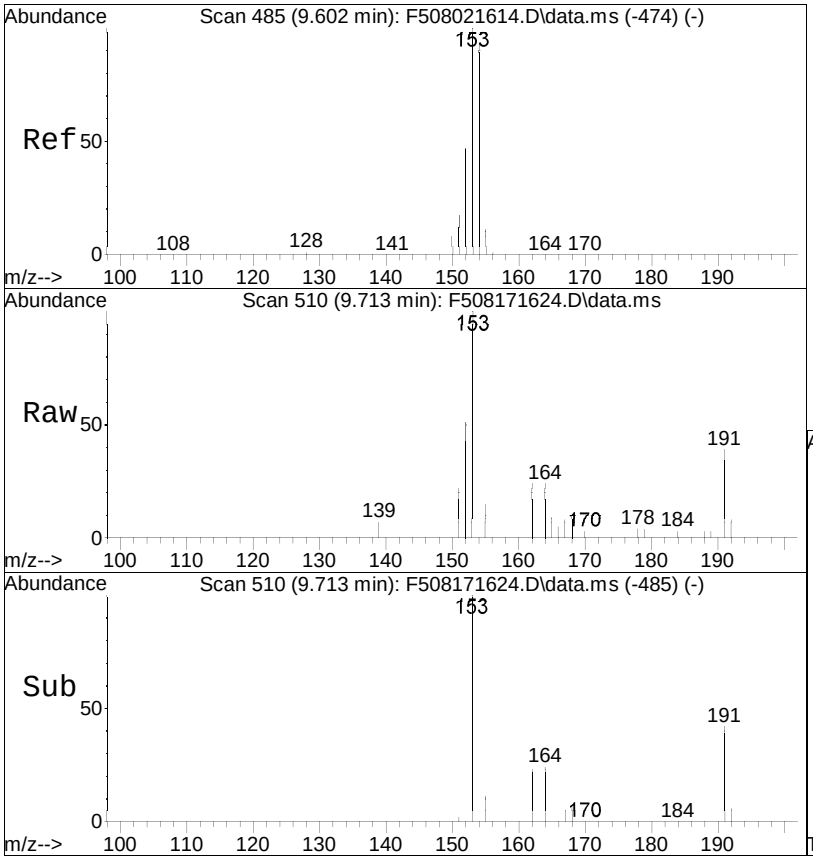


#12
Acenaphthylene
Concen: 33.65 ng/mL
RT: 9.532 min Scan# 487
Delta R.T. -0.000 min
Lab File: F508171624.D
Acq: 18 Aug 2016 2:12 am

Tgt Ion:152 Resp: 9678

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.9	23.9

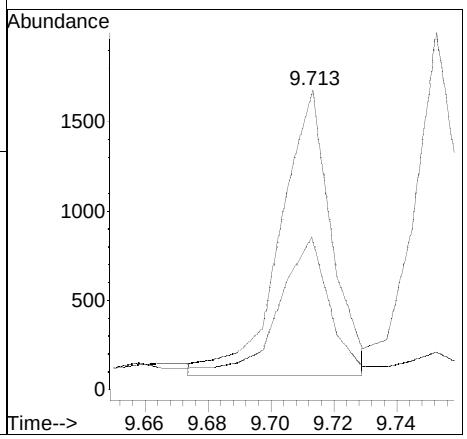


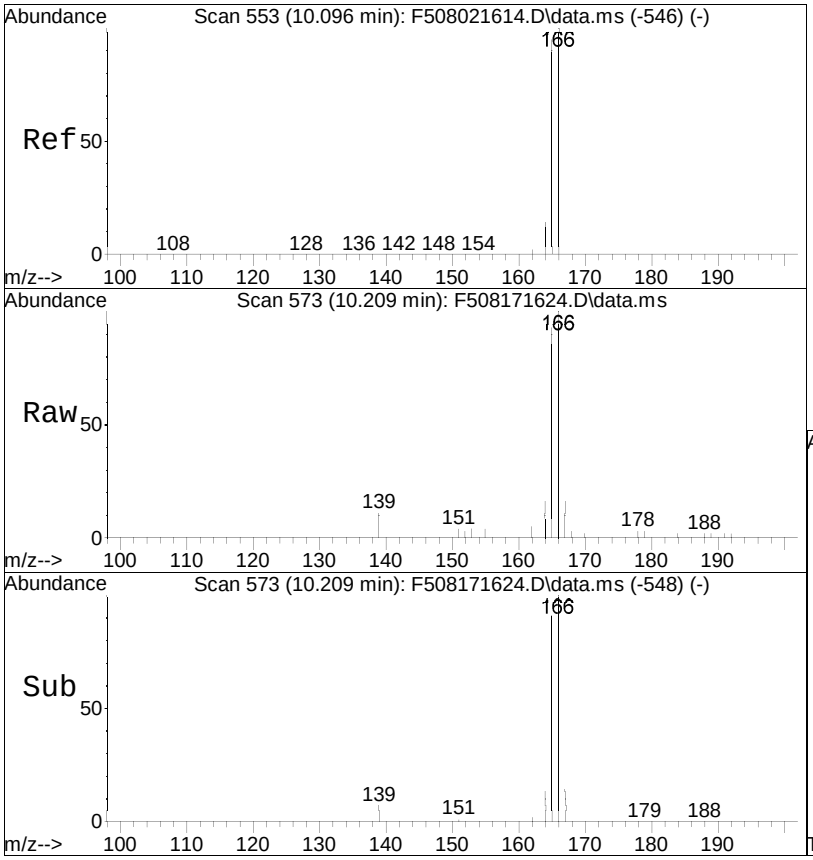


#13
Acenaphthene
Concen: 10.36 ng/mL M4
RT: 9.713 min Scan# 510
Delta R.T. -0.000 min
Lab File: F508171624.D
Acq: 18 Aug 2016 2:12 am

Tgt Ion:153 Resp: 1804

Ion	Ratio	Lower	Upper
153	100		
152	50.9	38.0	57.0

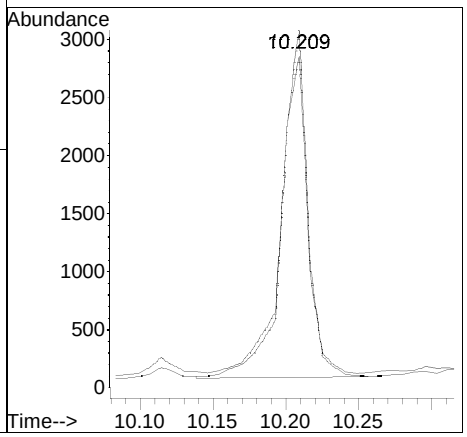


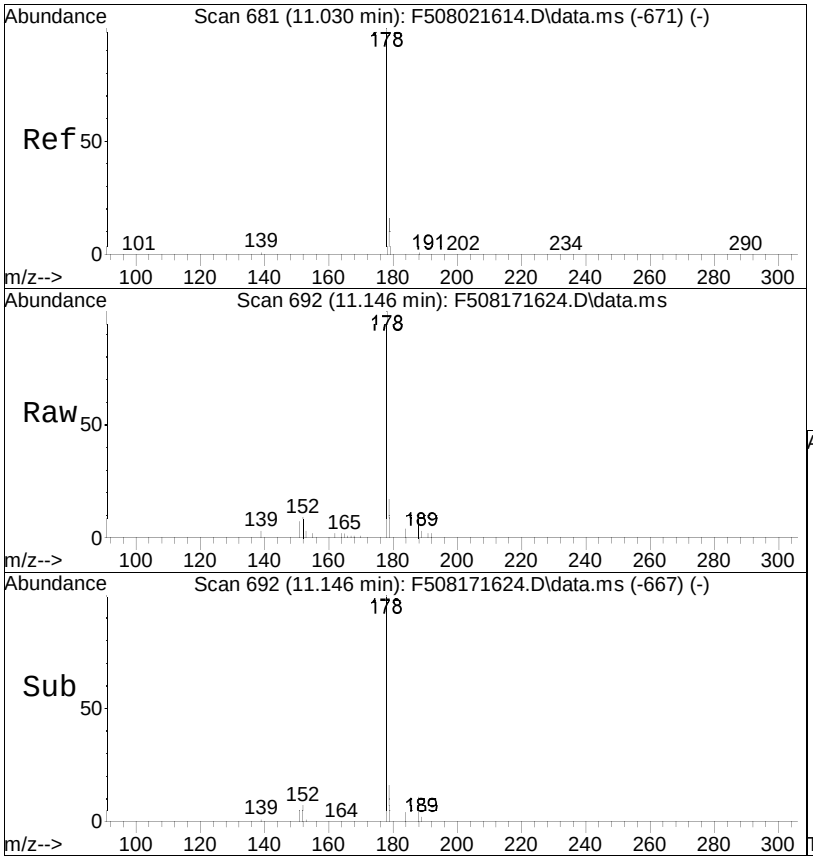


#15
Fluorene
Concen: 18.45 ng/mL
RT: 10.209 min Scan# 573
Delta R.T. -0.000 min
Lab File: F508171624.D
Acq: 18 Aug 2016 2:12 am

Tgt Ion:166 Resp: 3642

Ion	Ratio	Lower	Upper
166	100		
165	92.8	72.8	109.2

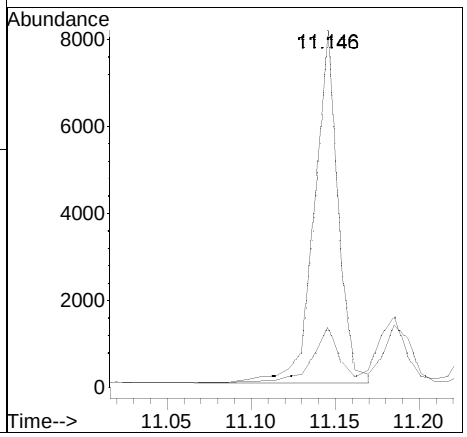


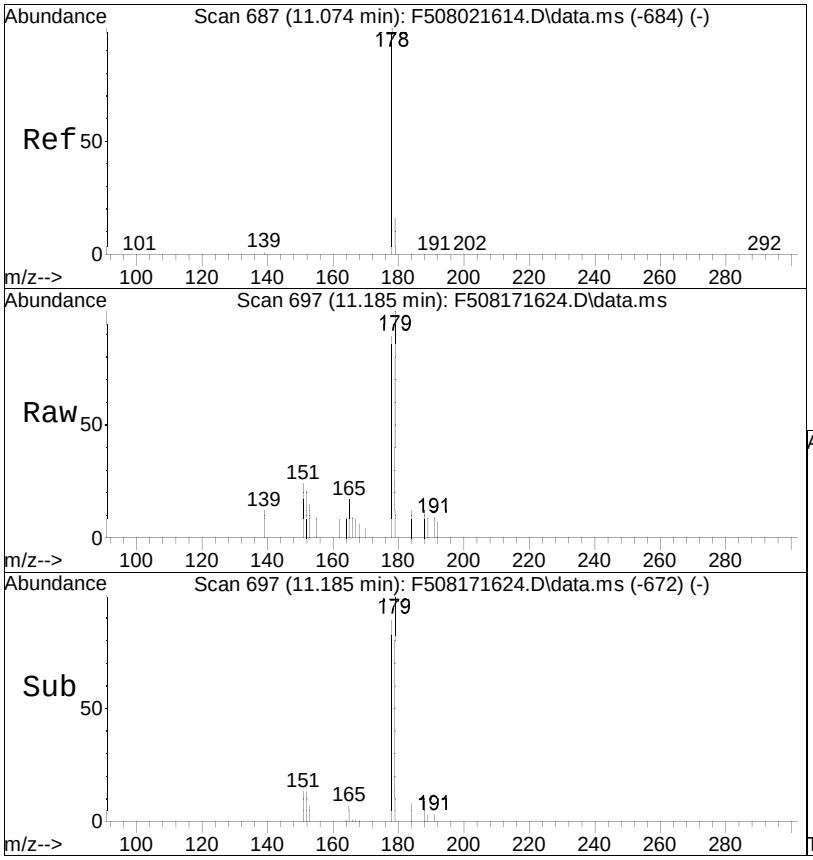


#19
Phenanthrene
Concen: 27.17 ng/mL
RT: 11.146 min Scan# 692
Delta R.T. -0.000 min
Lab File: F508171624.D
Acq: 18 Aug 2016 2:12 am

Tgt Ion:178 Resp: 7939

Ion	Ratio	Lower	Upper
178	100		
179	17.1	12.3	18.5

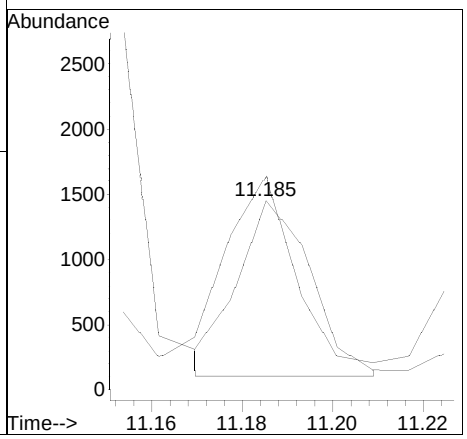


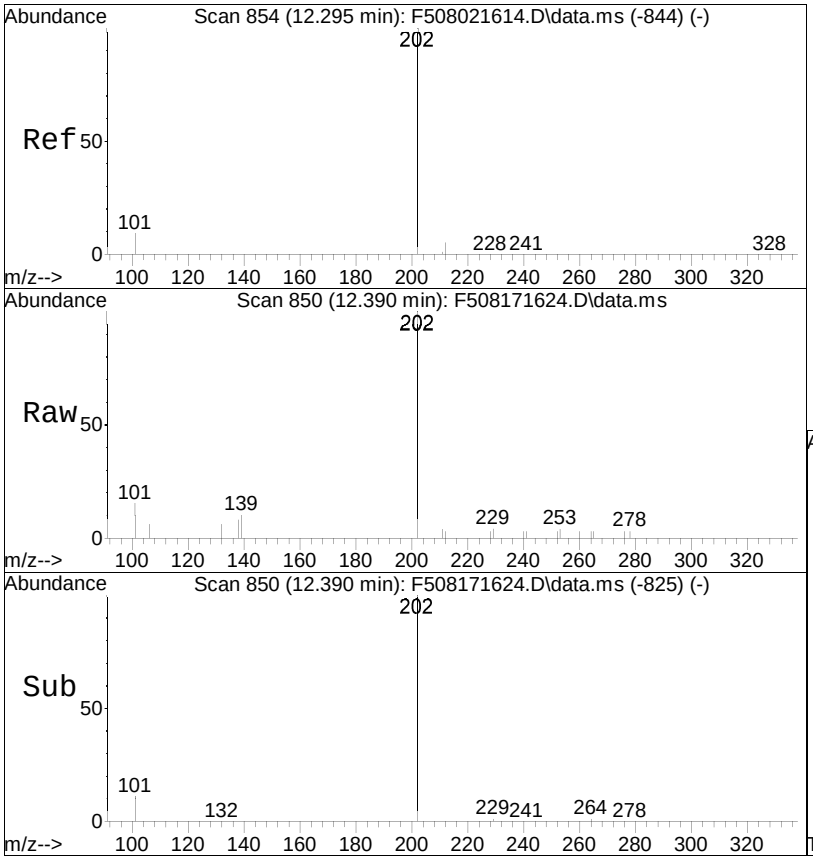


#20
Anthracene
Concen: 5.41 ng/mL M4
RT: 11.185 min Scan# 697
Delta R.T. -0.000 min
Lab File: F508171624.D
Acq: 18 Aug 2016 2:12 am

Tgt Ion:178 Resp: 1517

Ion	Ratio	Lower	Upper
178	100		
179	112.9	12.1	18.1#

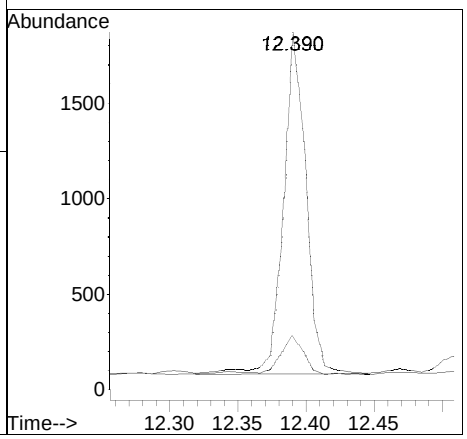


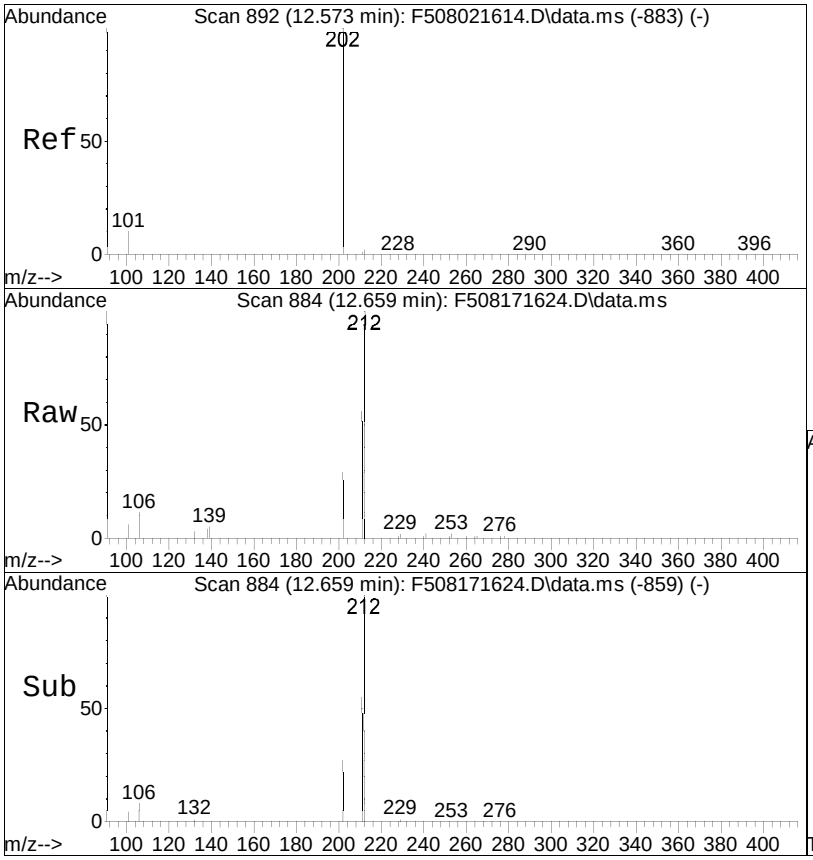


#23
Fluoranthene
Concen: 6.28 ng/mL
RT: 12.390 min Scan# 850
Delta R.T. -0.000 min
Lab File: F508171624.D
Acq: 18 Aug 2016 2:12 am

Tgt Ion:202 Resp: 2006

Ion	Ratio	Lower	Upper
202	100		
101	15.1	9.6	14.4#

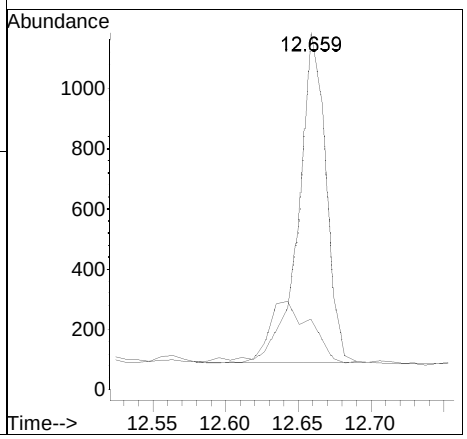




#26
Pyrene
Concen: 4.25 ng/mL
RT: 12.659 min Scan# 884
Delta R.T. -0.000 min
Lab File: F508171624.D
Acq: 18 Aug 2016 2:12 am

Tgt Ion:202 Resp: 1438

Ion	Ratio	Lower	Upper
202	100		
101	19.8	11.4	17.0#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171625.D
Acq On : 18 Aug 2016 2:47 am
Operator : PAH5:DP
Sample : L1625236-06
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 18 12:38:43 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.946	136	132973	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.682	164	65626	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.122	188	129776	500.000	ng/mL	0.00
24) Chrysene-d12	14.387	240	128190	500.000	ng/mL	0.00
29) Perylene-d12	16.809	264	125983	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.611	152	60906	394.824	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 7.90%#			
25) Pyrene-d10	12.643	212	98274	436.625	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.73%#			
31) Benzo[b]fluoranthene-d12	16.131	264	97736	443.607	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.87%#			
Target Compounds						Qvalue
2) Naphthalene	7.967	128	422	1.506	ng/mL#	58
5) 2-Methylnaphthalene	8.640	142	64	N.D.		
12) Acenaphthylene	9.532	152	92	N.D.		
13) Acenaphthene	9.713	153	172M4	0.955	ng/mL	
15) Fluorene	10.209	166	383	1.876	ng/mL	89
19) Phenanthrene	11.146	178	1444M4	4.792	ng/mL	
20) Anthracene	11.185	178	204	0.705	ng/mL#	1
23) Fluoranthene	12.390	202	1520	4.616	ng/mL#	86
26) Pyrene	12.659	202	1186	3.404	ng/mL#	80
27) Benz[a]anthracene	14.363	228	319M4	1.014	ng/mL	
28) Chrysene	14.418	228	395	1.330	ng/mL#	40
32) Benzo[b]fluoranthene	16.170	252	338M4	1.008	ng/mL	
33) Benzo[k]fluoranthene	16.209	252	327M4	1.168	ng/mL	
35) Benzo[a]pyrene	16.715	252	289	0.984	ng/mL#	1
37) Indeno[1,2,3-cd]pyrene	18.687	276	295	0.945	ng/mL#	1
38) Dibenz[a,h]anthracene	18.727	278	46	N.D.		
39) Benzo[g,h,i]perylene	19.208	276	241M4	0.756	ng/mL	

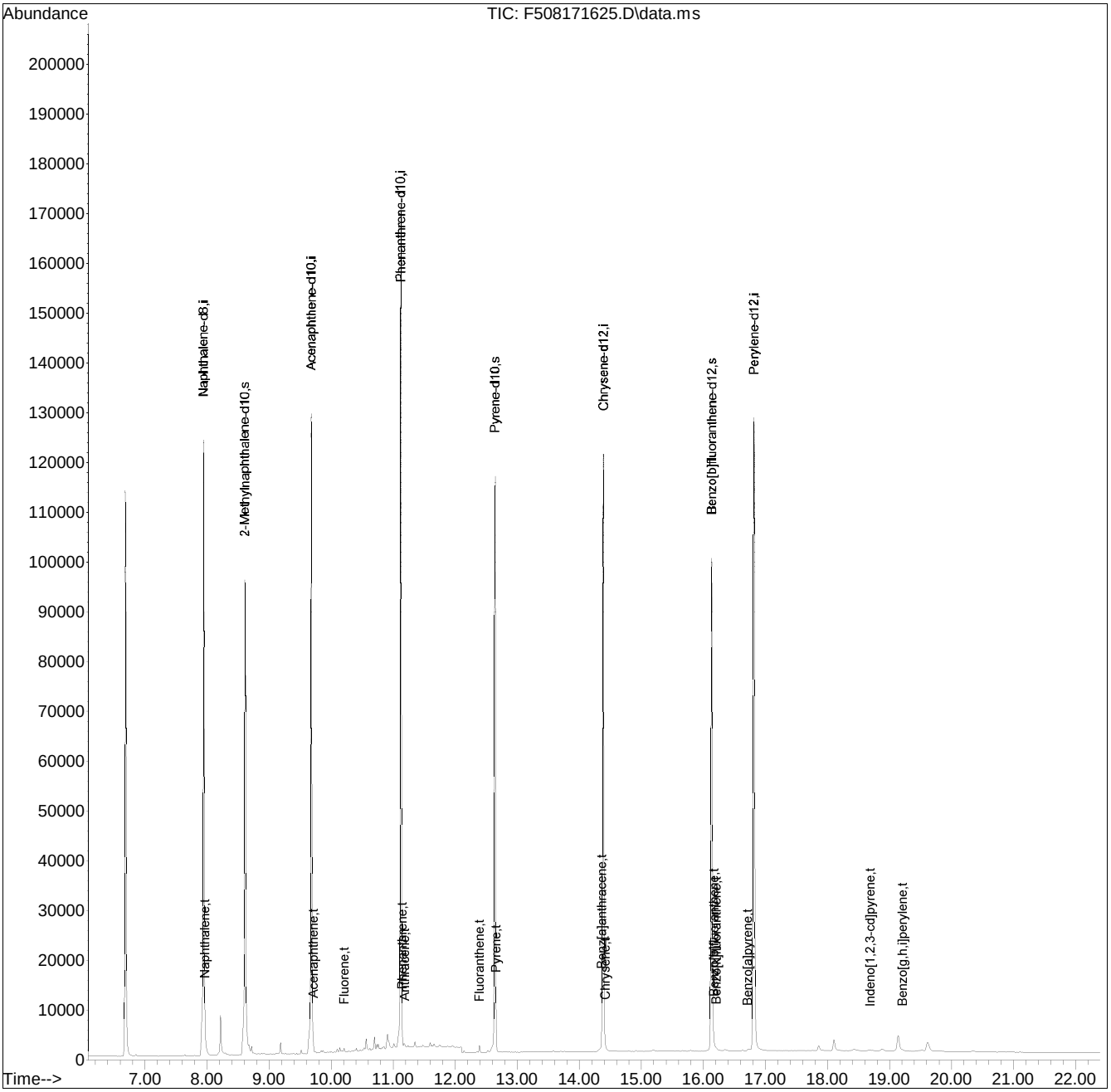
(#) = qualifier out of range (m) = manual integration (+) = signals summed

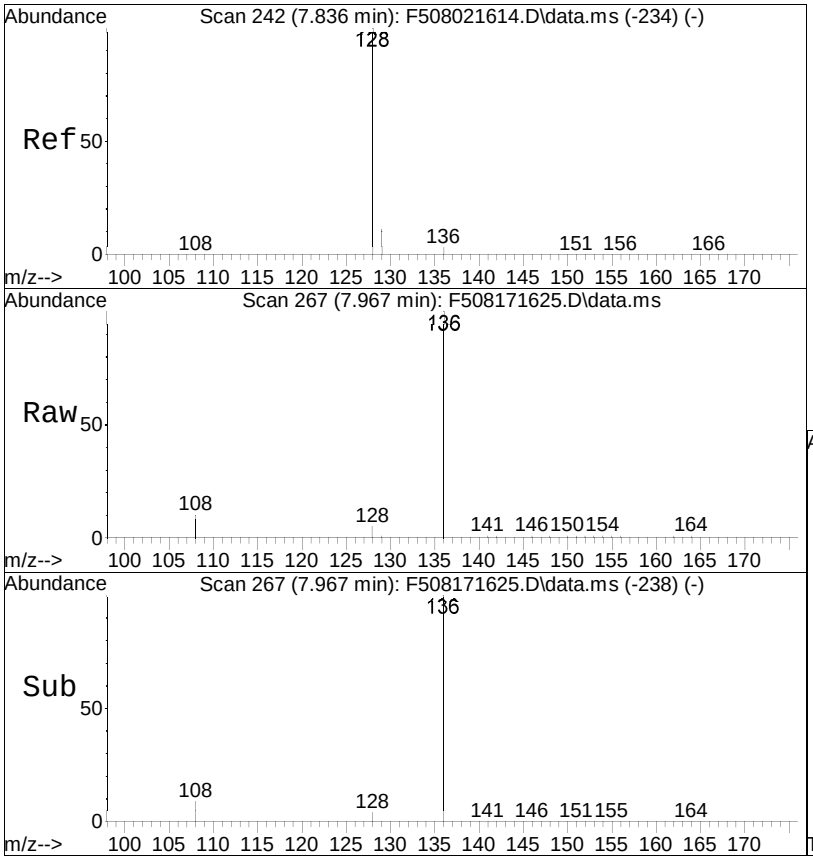
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171625.D
Acq On : 18 Aug 2016 2:47 am
Operator : PAH5:DP
Sample : L1625236-06
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 18 12:38:43 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

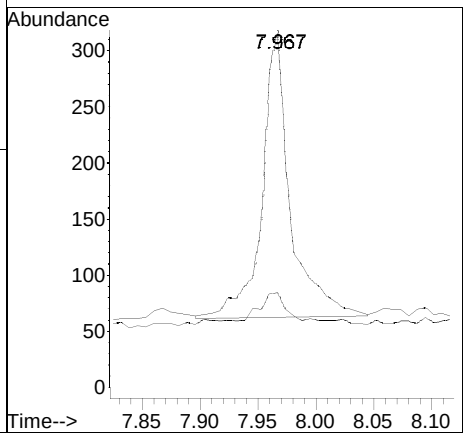


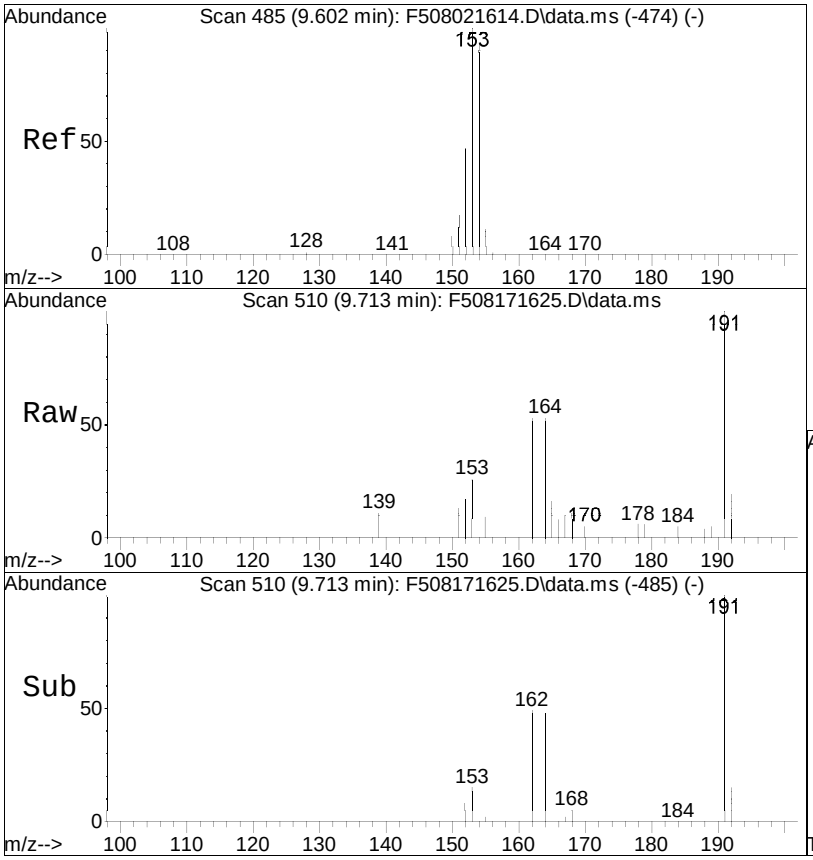


#2
Naphthalene
Concen: 1.51 ng/mL
RT: 7.967 min Scan# 267
Delta R.T. 0.007 min
Lab File: F508171625.D
Acq: 18 Aug 2016 2:47 am

Tgt Ion:128 Resp: 422

Ion	Ratio	Lower	Upper
128	100		
129	26.7	8.6	13.0#

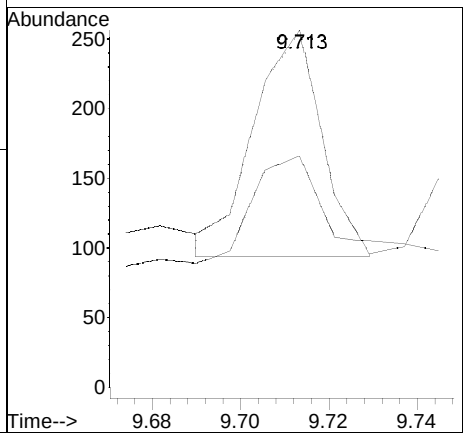


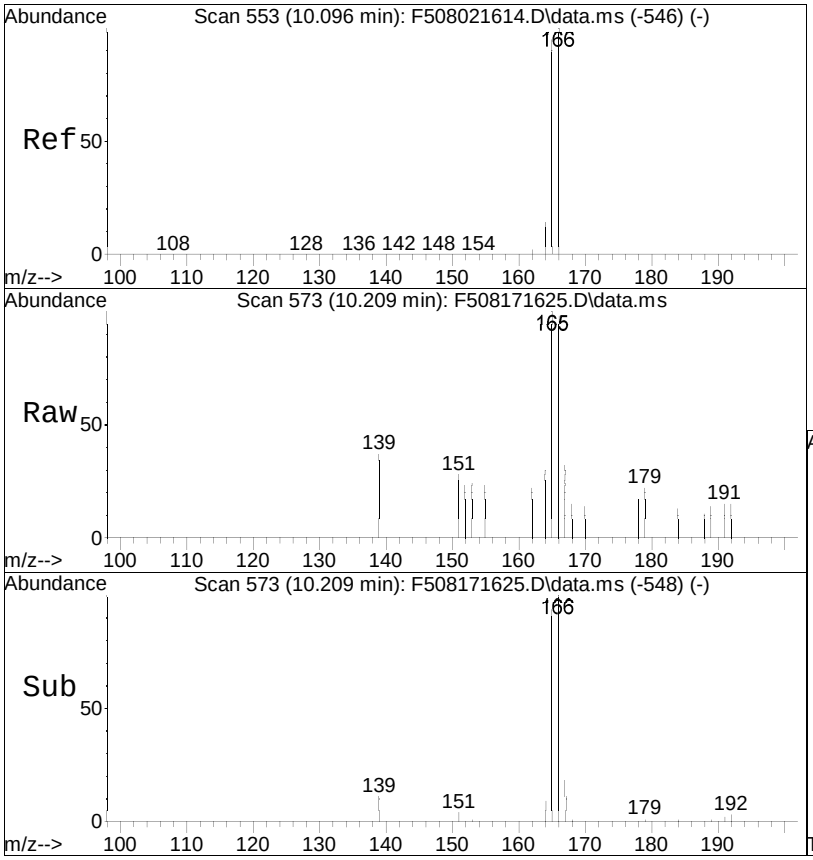


#13
Acenaphthene
Concen: 0.96 ng/mL M4
RT: 9.713 min Scan# 510
Delta R.T. 0.000 min
Lab File: F508171625.D
Acq: 18 Aug 2016 2:47 am

Tgt Ion:153 Resp: 172

Ion	Ratio	Lower	Upper
153	100		
152	64.8	38.0	57.0#

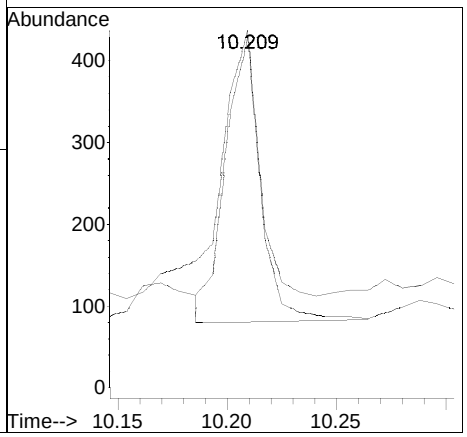


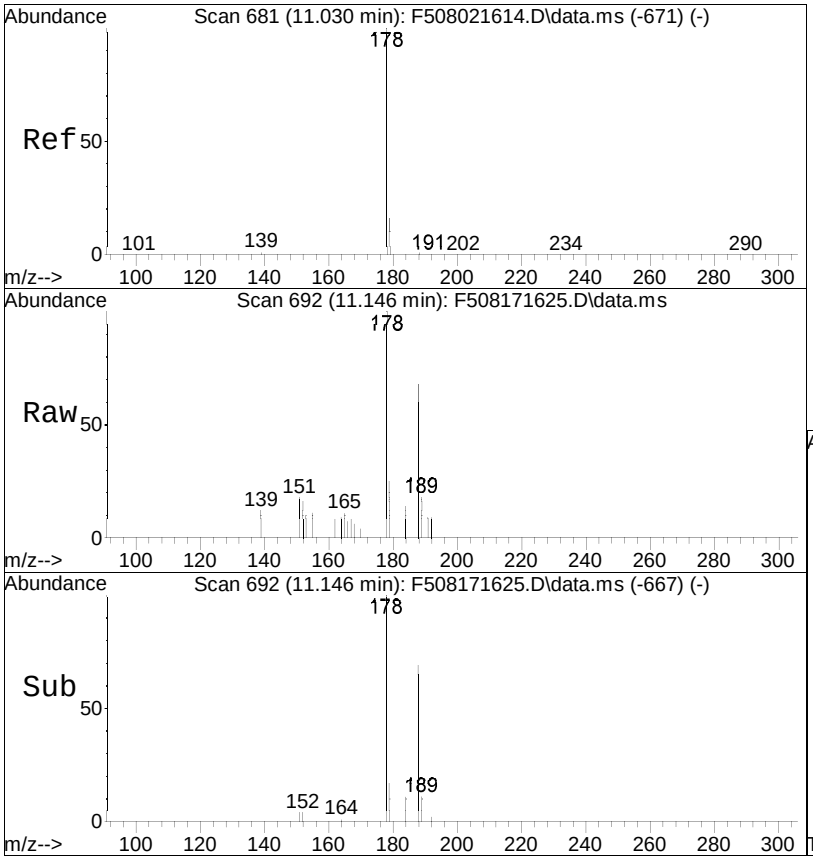


#15
Fluorene
Concen: 1.88 ng/mL
RT: 10.209 min Scan# 573
Delta R.T. 0.000 min
Lab File: F508171625.D
Acq: 18 Aug 2016 2:47 am

Tgt Ion:166 Resp: 383

Ion	Ratio	Lower	Upper
166	100		
165	101.9	72.8	109.2

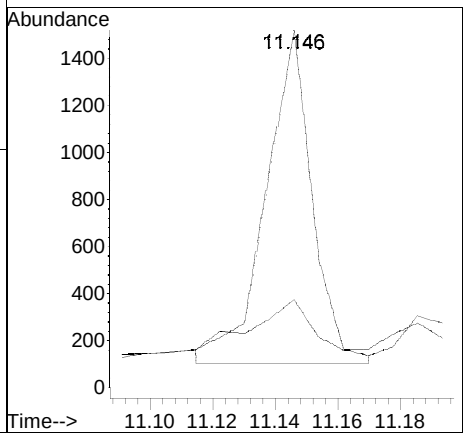


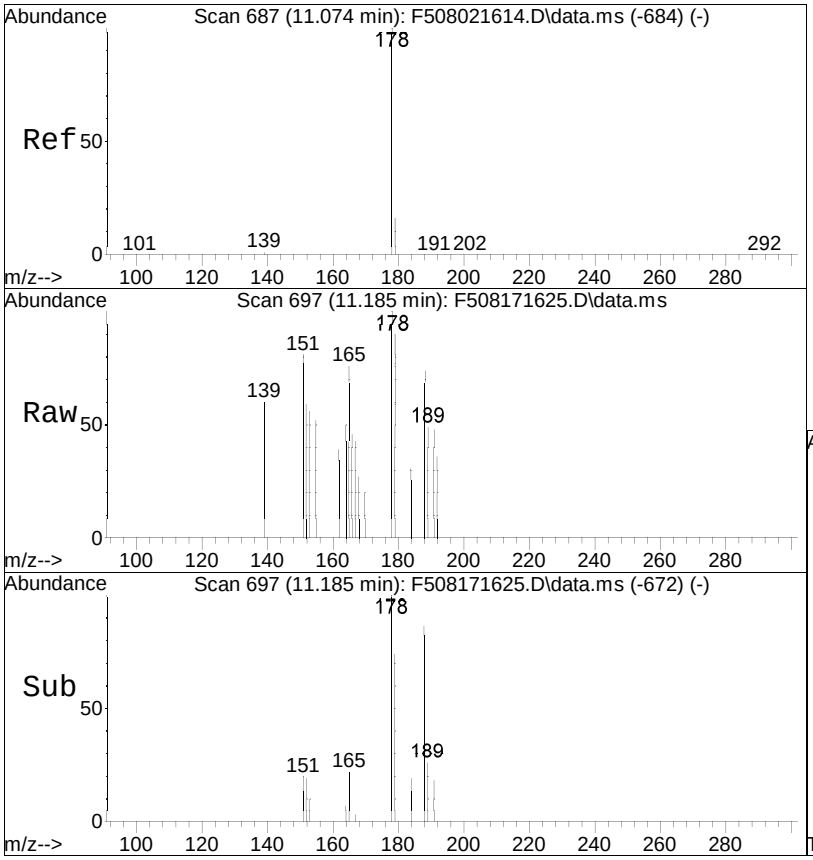


#19
Phenanthrene
Concen: 4.79 ng/mL M4
RT: 11.146 min Scan# 692
Delta R.T. 0.000 min
Lab File: F508171625.D
Acq: 18 Aug 2016 2:47 am

Tgt Ion:178 Resp: 1444

Ion	Ratio	Lower	Upper
178	100		
179	24.6	12.3	18.5#

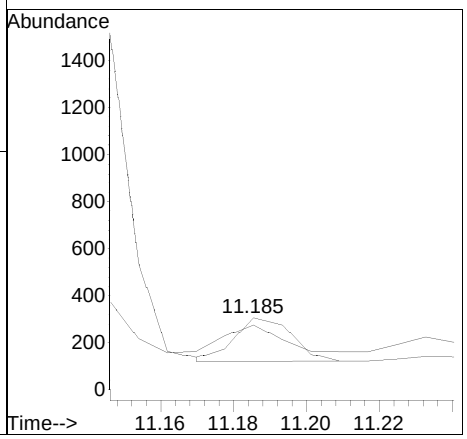


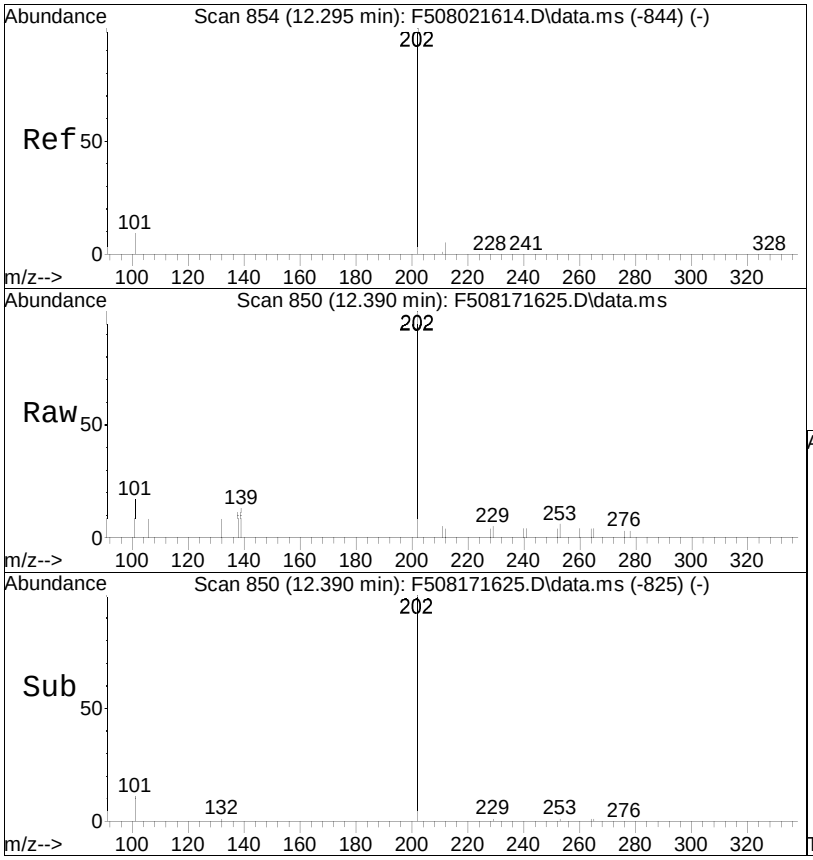


#20
Anthracene
Concen: 0.71 ng/mL
RT: 11.185 min Scan# 697
Delta R.T. 0.000 min
Lab File: F508171625.D
Acq: 18 Aug 2016 2:47 am

Tgt Ion:178 Resp: 204

Ion	Ratio	Lower	Upper
178	100		
179	90.2	12.1	18.1#

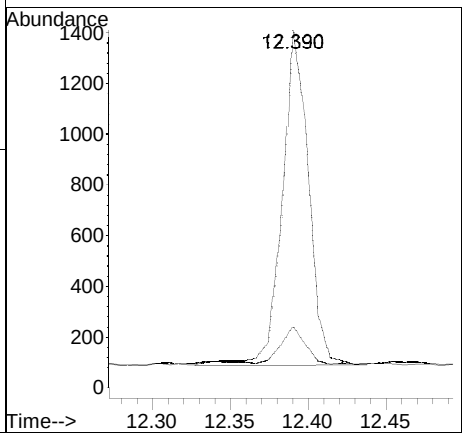


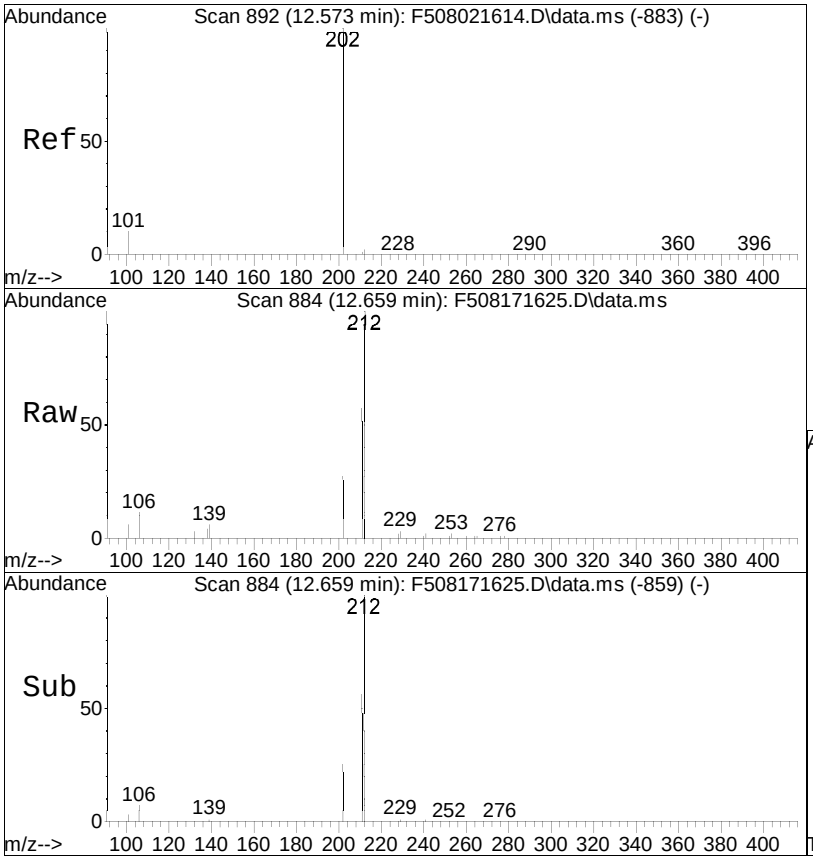


#23
Fluoranthene
Concen: 4.62 ng/mL
RT: 12.390 min Scan# 850
Delta R.T. 0.000 min
Lab File: F508171625.D
Acq: 18 Aug 2016 2:47 am

Tgt Ion:202 Resp: 1520

Ion	Ratio	Lower	Upper
202	100		
101	17.3	9.6	14.4#

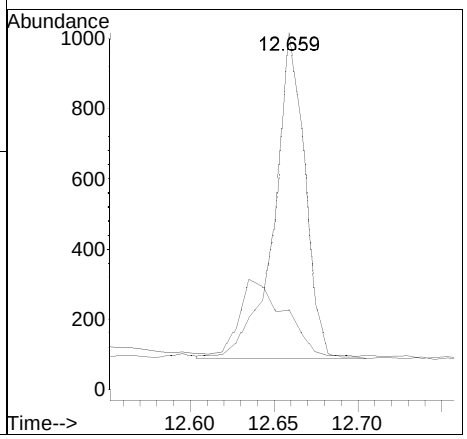


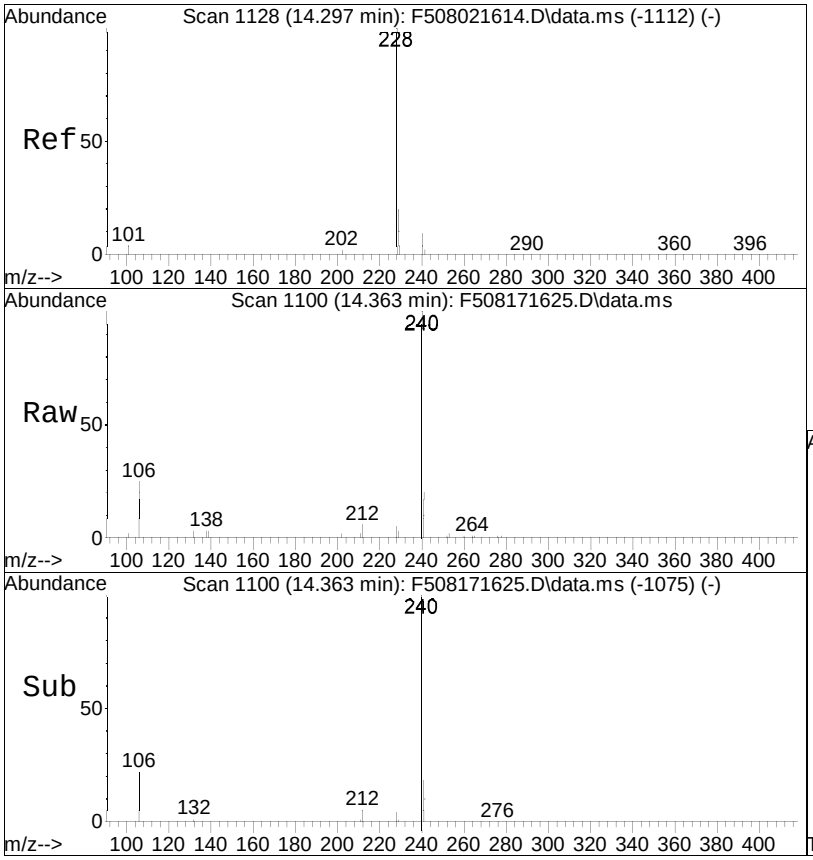


#26
Pyrene
Concen: 3.40 ng/mL
RT: 12.659 min Scan# 884
Delta R.T. 0.000 min
Lab File: F508171625.D
Acq: 18 Aug 2016 2:47 am

Tgt Ion:202 Resp: 1186

Ion	Ratio	Lower	Upper
202	100		
101	22.4	11.4	17.0#

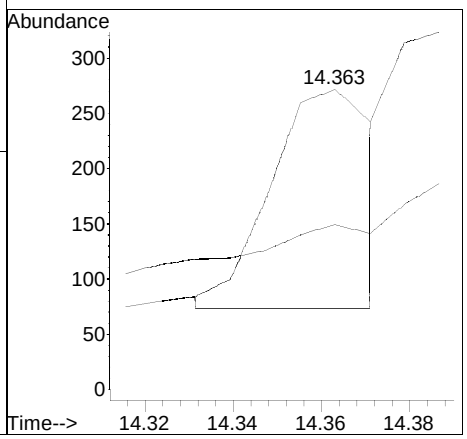


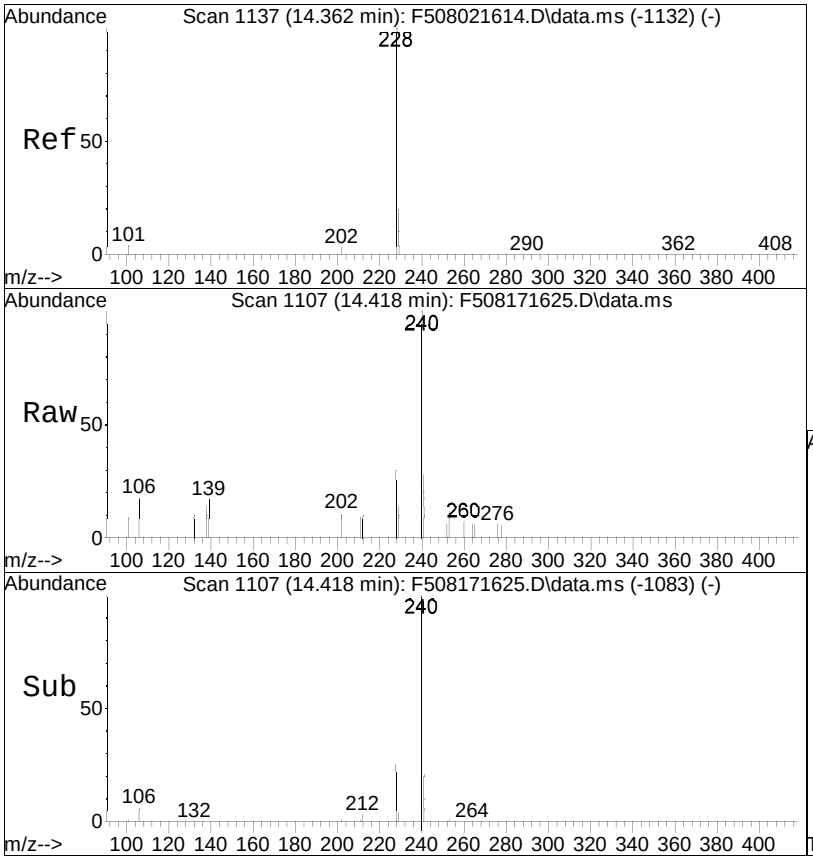


#27
Benz[a]anthracene
Concen: 1.01 ng/mL M4
RT: 14.363 min Scan# 1100
Delta R.T. 0.000 min
Lab File: F508171625.D
Acq: 18 Aug 2016 2:47 am

Tgt Ion:228 Resp: 319

Ion	Ratio	Lower	Upper
228	100		
229	54.8	15.4	23.0#

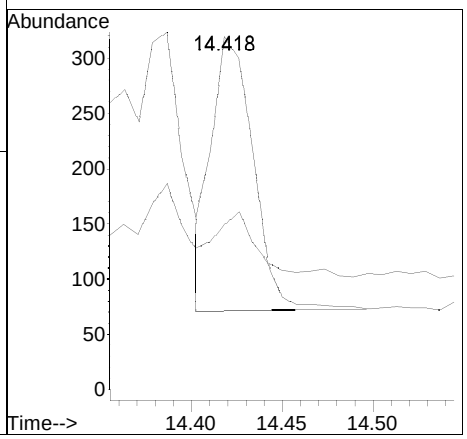


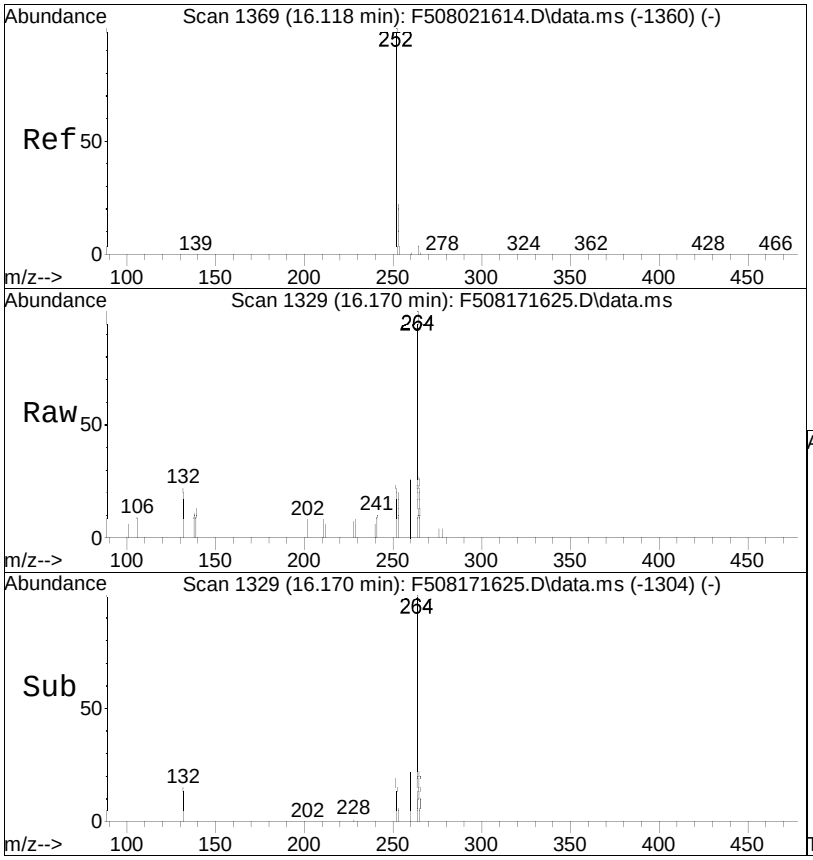


#28
Chrysene
Concen: 1.33 ng/mL
RT: 14.418 min Scan# 1107
Delta R.T. -0.008 min
Lab File: F508171625.D
Acq: 18 Aug 2016 2:47 am

Tgt Ion:228 Resp: 395

Ion	Ratio	Lower	Upper
228	100		
229	46.7	15.6	23.4#

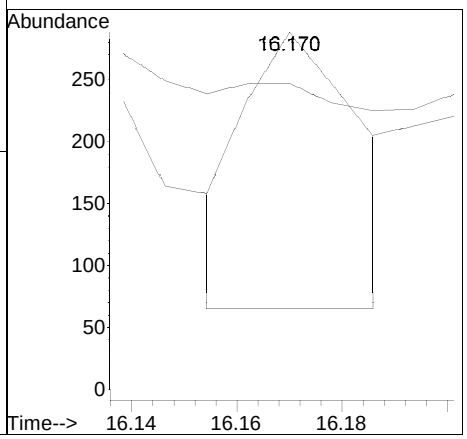


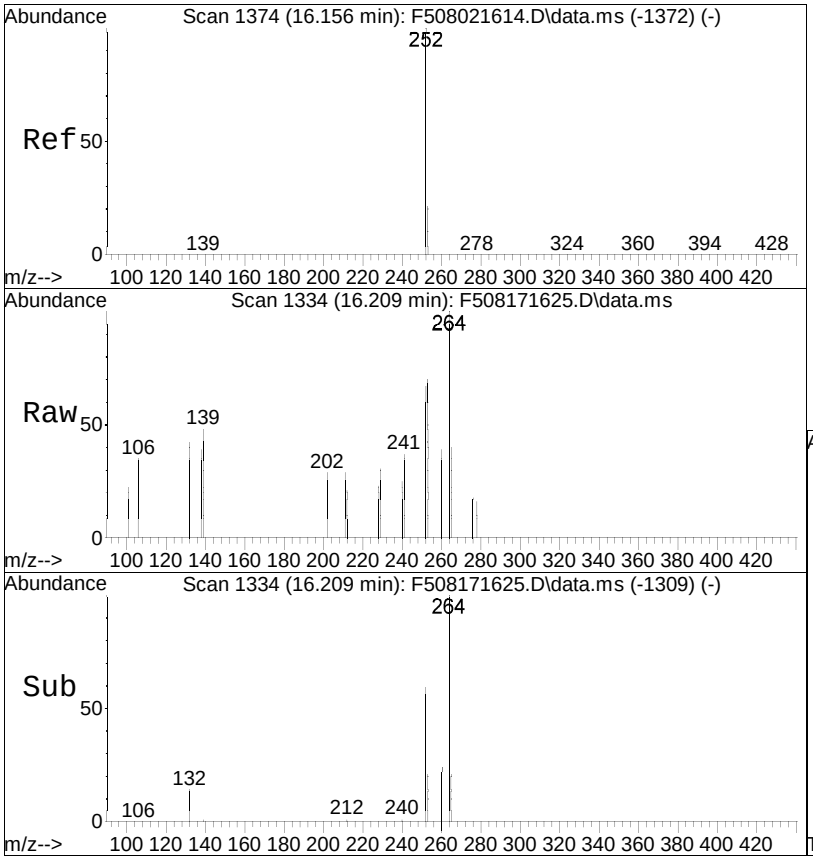


#32
Benzo[b]fluoranthene
Concen: 1.01 ng/mL M4
RT: 16.170 min Scan# 1329
Delta R.T. 0.000 min
Lab File: F508171625.D
Acq: 18 Aug 2016 2:47 am

Tgt Ion:252 Resp: 338

Ion	Ratio	Lower	Upper
252	100		
253	85.8	17.4	26.0#

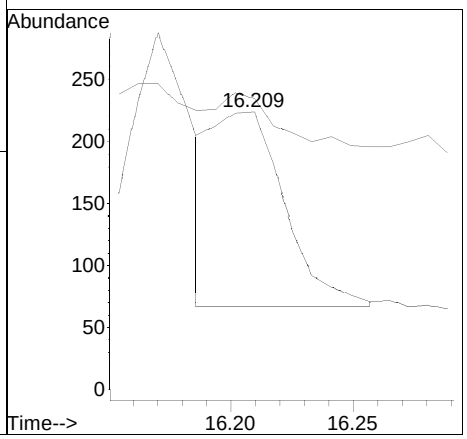


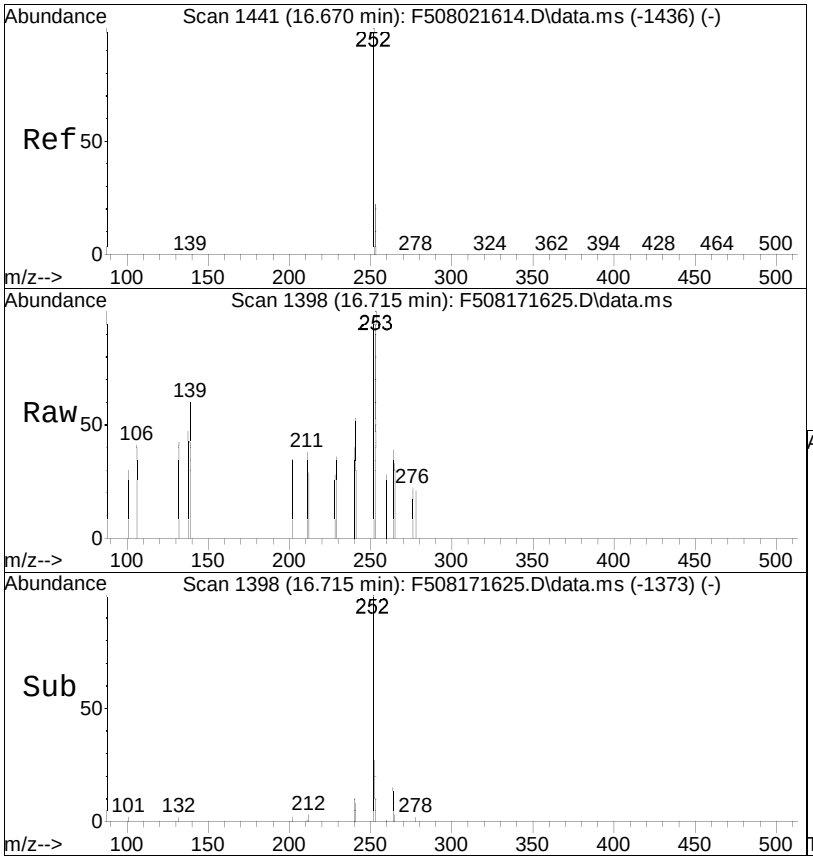


#33
Benzo[k]fluoranthene
Concen: 1.17 ng/mL M4
RT: 16.209 min Scan# 1334
Delta R.T. 0.000 min
Lab File: F508171625.D
Acq: 18 Aug 2016 2:47 am

Tgt Ion:252 Resp: 327

Ion	Ratio	Lower	Upper
252	100		
253	104.5	17.4	26.0#

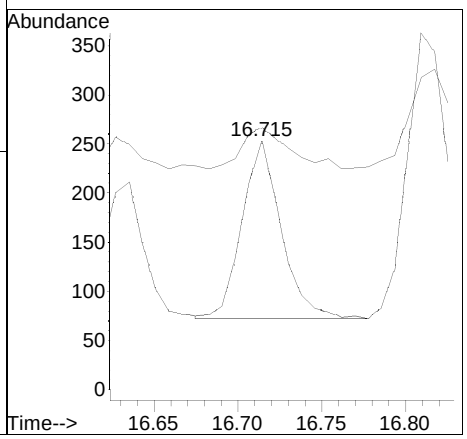


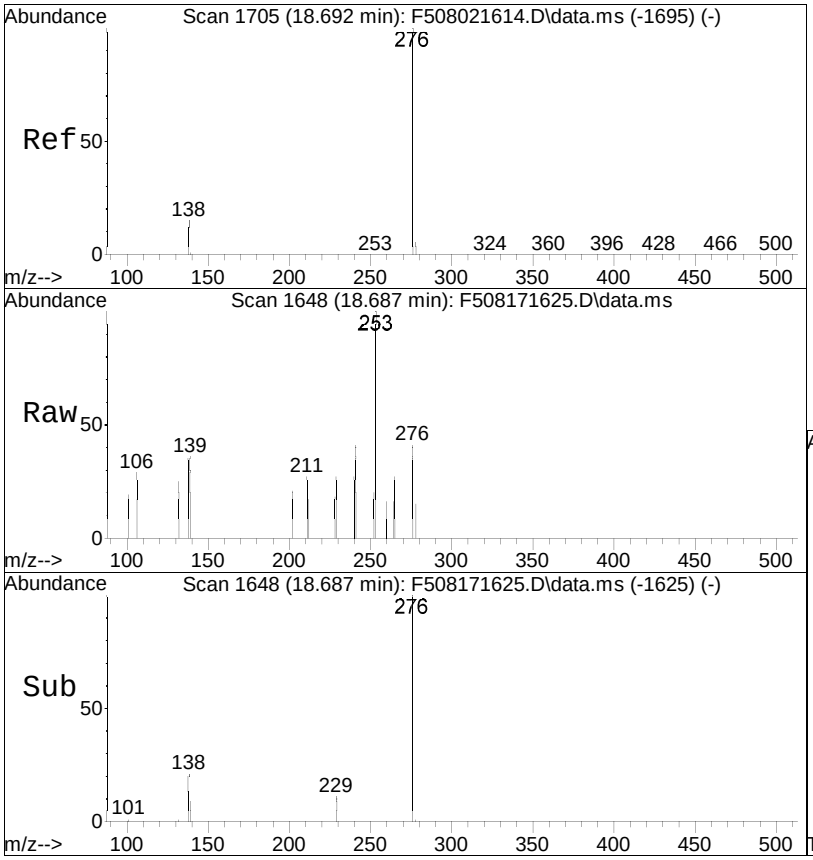


#35
Benzo[a]pyrene
Concen: 0.98 ng/mL
RT: 16.715 min Scan# 1398
Delta R.T. 0.000 min
Lab File: F508171625.D
Acq: 18 Aug 2016 2:47 am

Tgt Ion:252 Resp: 289

Ion	Ratio	Lower	Upper
252	100		
253	105.5	17.4	26.2#

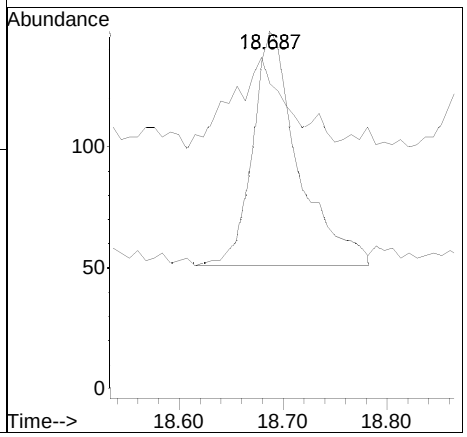


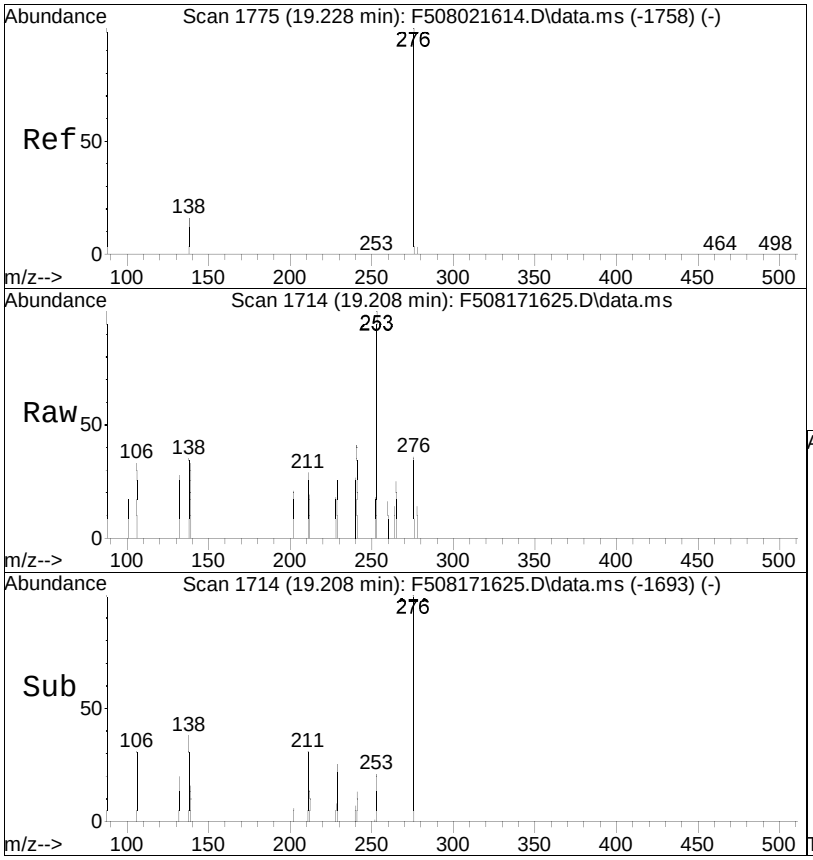


#37
Indeno[1,2,3-cd]pyrene
Concen: 0.95 ng/mL
RT: 18.687 min Scan# 1648
Delta R.T. -0.008 min
Lab File: F508171625.D
Acq: 18 Aug 2016 2:47 am

Tgt Ion:276 Resp: 295

Ion	Ratio	Lower	Upper
276	100		
138	85.1	21.4	32.2#

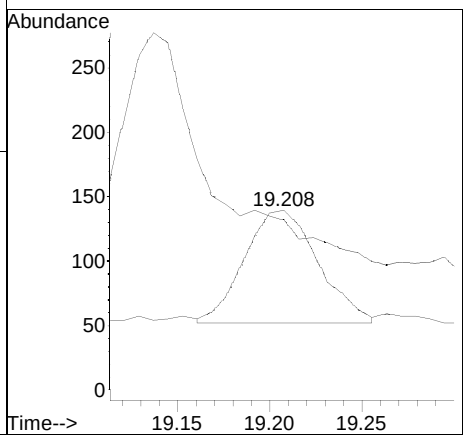




#39
Benzo[g,h,i]perylene
Concen: 0.76 ng/mL M4
RT: 19.208 min Scan# 1714
Delta R.T. 0.000 min
Lab File: F508171625.D
Acq: 18 Aug 2016 2:47 am

Tgt Ion:276 Resp: 241

Ion	Ratio	Lower	Upper
276	100		
138	95.0	33.5	50.3#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171626.D
Acq On : 18 Aug 2016 3:21 am
Operator : PAH5:DP
Sample : L1625236-07
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 18 12:40:35 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.946	136	132484	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.682	164	65739	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.122	188	129266	500.000	ng/mL	0.00
24) Chrysene-d12	14.387	240	128170	500.000	ng/mL	0.00
29) Perylene-d12	16.809	264	126428	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.611	152	56768	369.358	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 7.39%#			
25) Pyrene-d10	12.643	212	96662	429.530	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.59%#			
31) Benzo[b]fluoranthene-d12	16.131	264	94989	429.621	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.59%#			
Target Compounds						Qvalue
2) Naphthalene	7.967	128	1145M4	4.100	ng/mL	
5) 2-Methylnaphthalene	8.647	142	112	0.671	ng/mL	89
12) Acenaphthylene	9.532	152	120	N.D.		
13) Acenaphthene	9.713	153	381M4	2.112	ng/mL	
15) Fluorene	10.209	166	724M4	3.540	ng/mL	
19) Phenanthrene	11.146	178	1701M4	5.667	ng/mL	
20) Anthracene	11.185	178	282	0.979	ng/mL#	1
23) Fluoranthene	12.390	202	1349	4.113	ng/mL#	88
26) Pyrene	12.659	202	875	2.512	ng/mL#	74
27) Benz[a]anthracene	0.000		0	N.D. d		
28) Chrysene	14.418	228	138	N.D.		
32) Benzo[b]fluoranthene	16.170	252	133	N.D.		
33) Benzo[k]fluoranthene	16.202	252	71	N.D.		
35) Benzo[a]pyrene	16.714	252	65	N.D.		
37) Indeno[1,2,3-cd]pyrene	18.695	276	79	N.D.		
38) Dibenz[a,h]anthracene	0.000		0	N.D. d		
39) Benzo[g,h,i]perylene	19.208	276	78	N.D.		

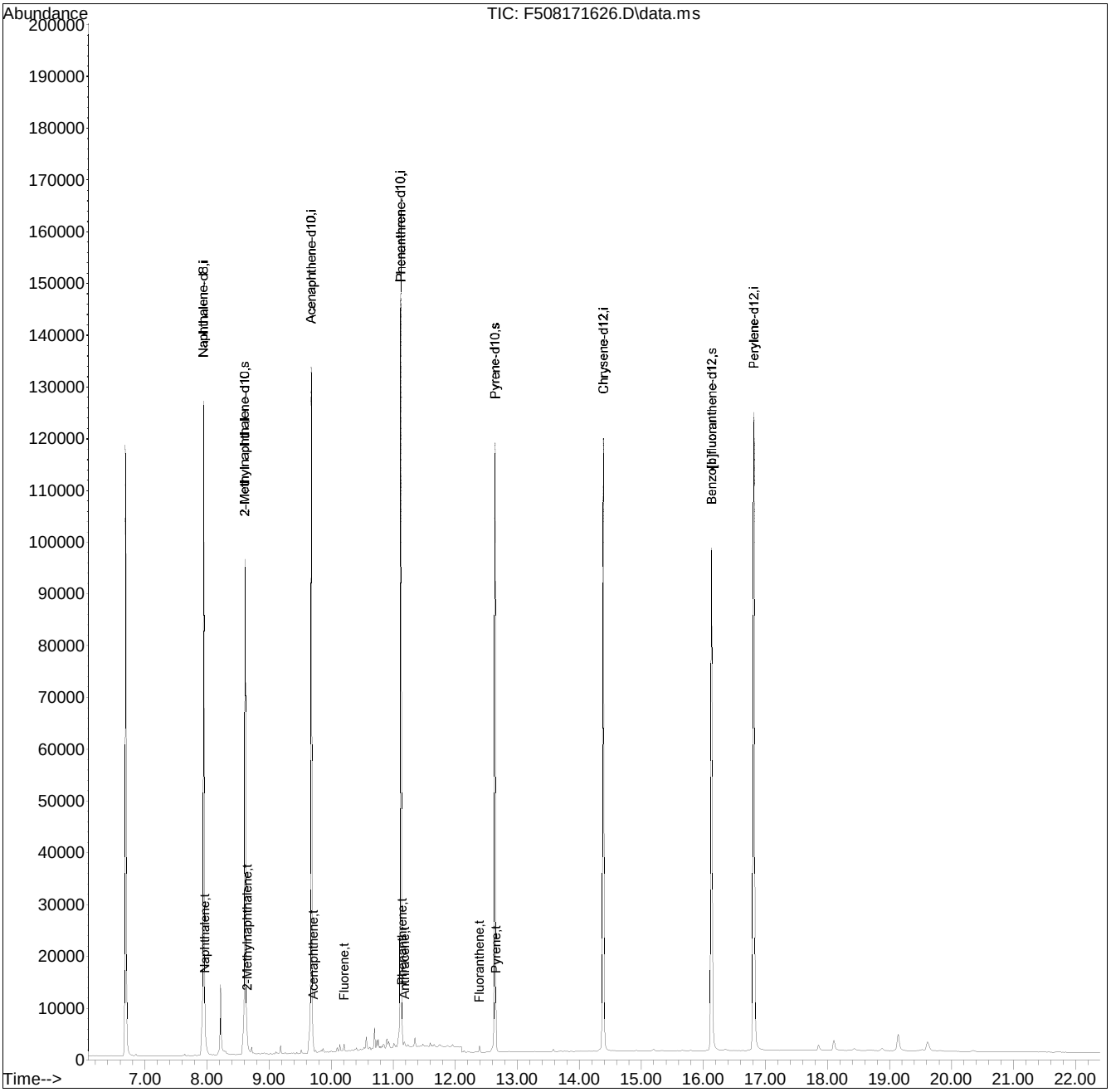
(#) = qualifier out of range (m) = manual integration (+) = signals summed

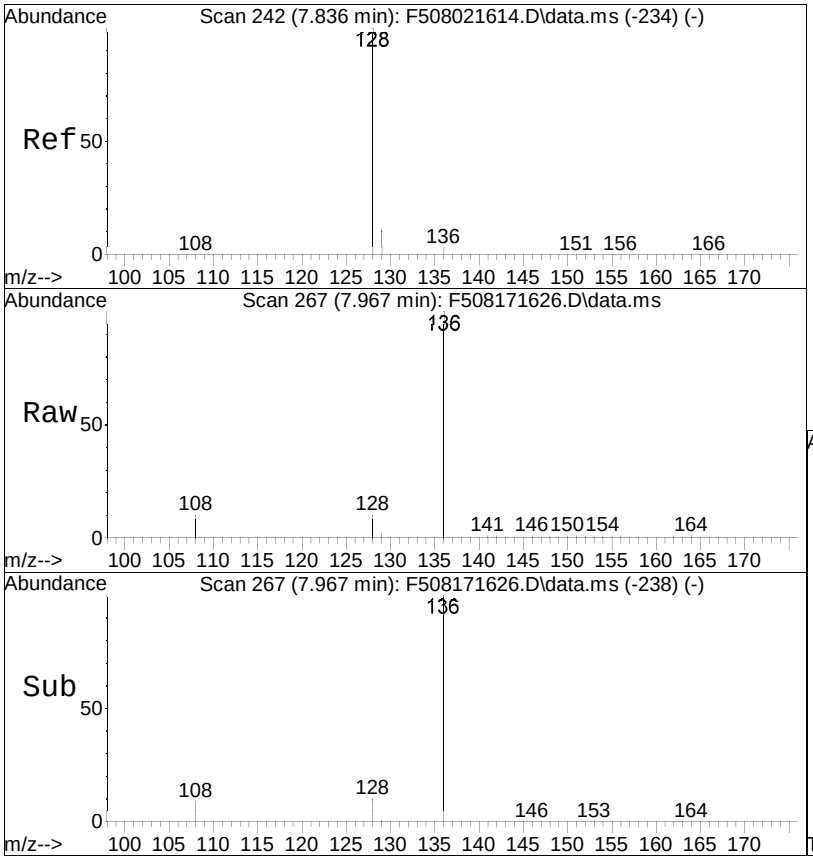
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171626.D
Acq On : 18 Aug 2016 3:21 am
Operator : PAH5:DP
Sample : L1625236-07
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 18 12:40:35 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

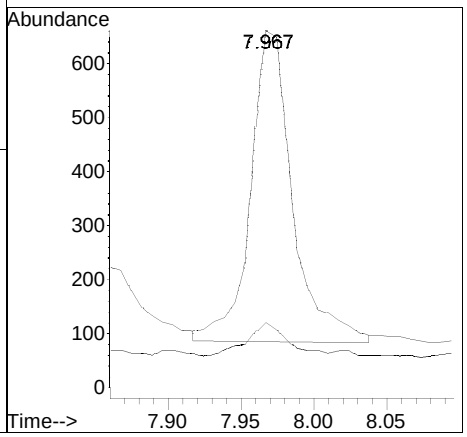


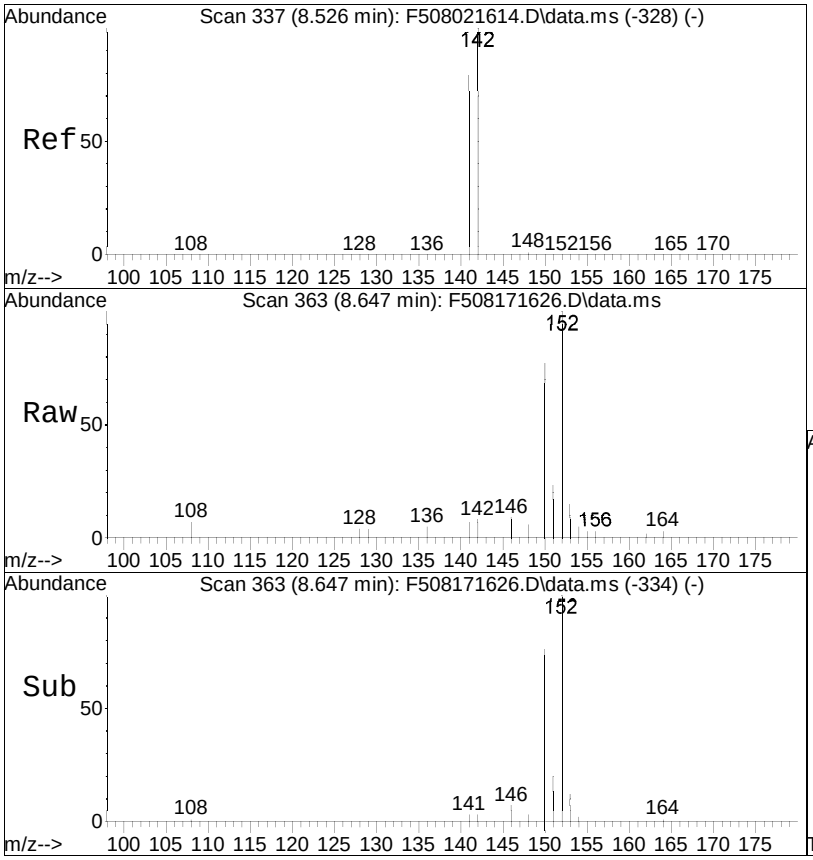


#2
Naphthalene
Concen: 4.10 ng/mL M4
RT: 7.967 min Scan# 267
Delta R.T. 0.007 min
Lab File: F508171626.D
Acq: 18 Aug 2016 3:21 am

Tgt Ion:128 Resp: 1145

Ion	Ratio	Lower	Upper
128	100		
129	18.3	8.6	13.0#

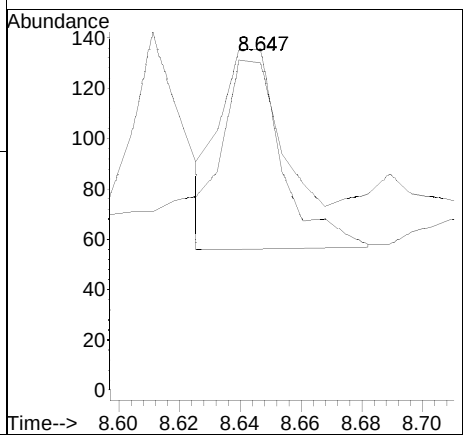


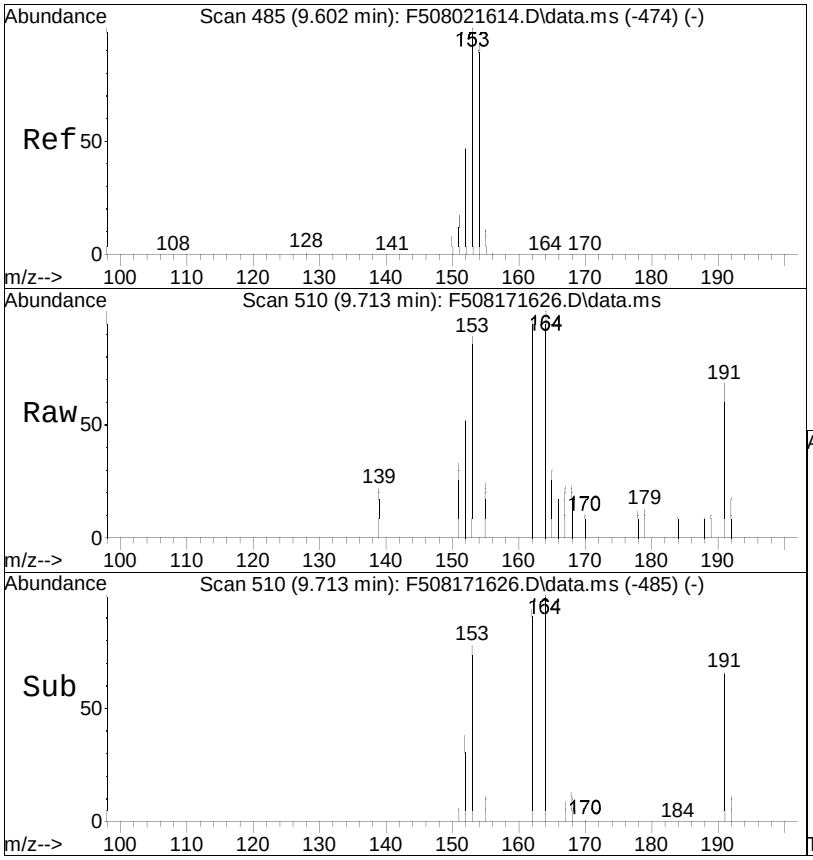


#5
2-Methylnaphthalene
Concen: 0.67 ng/mL
RT: 8.647 min Scan# 363
Delta R.T. 0.007 min
Lab File: F508171626.D
Acq: 18 Aug 2016 3:21 am

Tgt Ion:142 Resp: 112

Ion	Ratio	Lower	Upper
142	100		
141	95.6	68.5	102.7

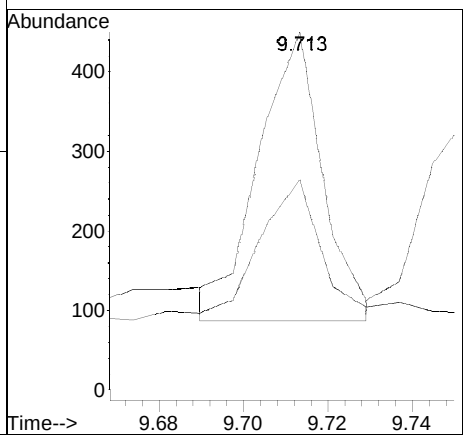


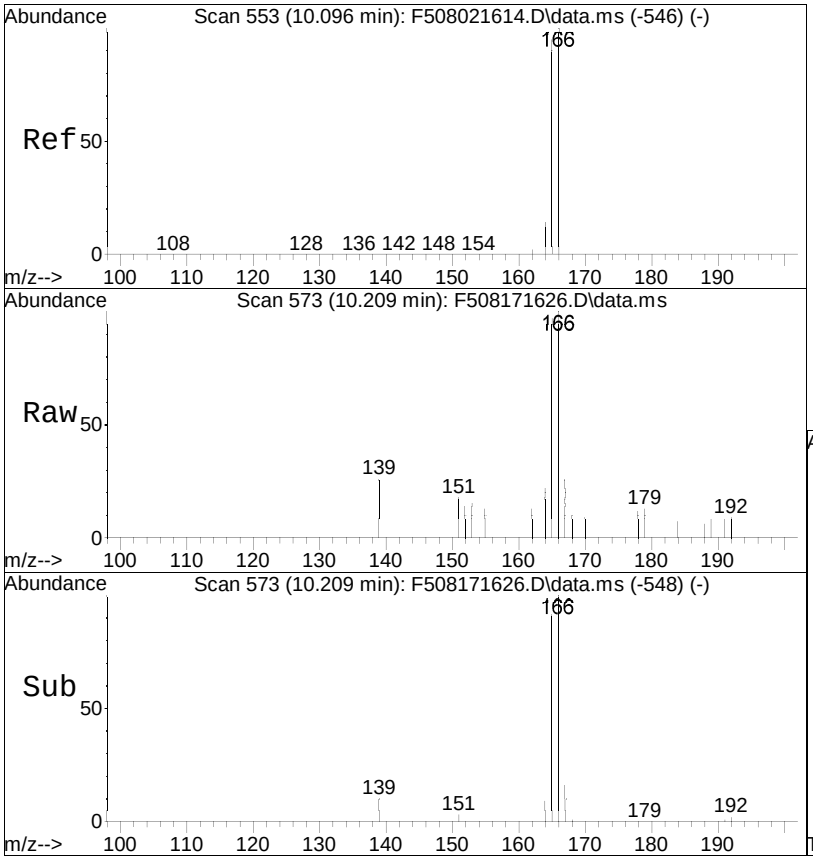


#13
Acenaphthene
Concen: 2.11 ng/mL M4
RT: 9.713 min Scan# 510
Delta R.T. 0.000 min
Lab File: F508171626.D
Acq: 18 Aug 2016 3:21 am

Tgt Ion:153 Resp: 381

Ion	Ratio	Lower	Upper
153	100		
152	58.8	38.0	57.0#

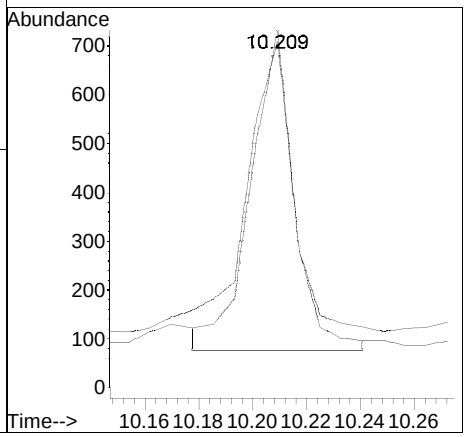


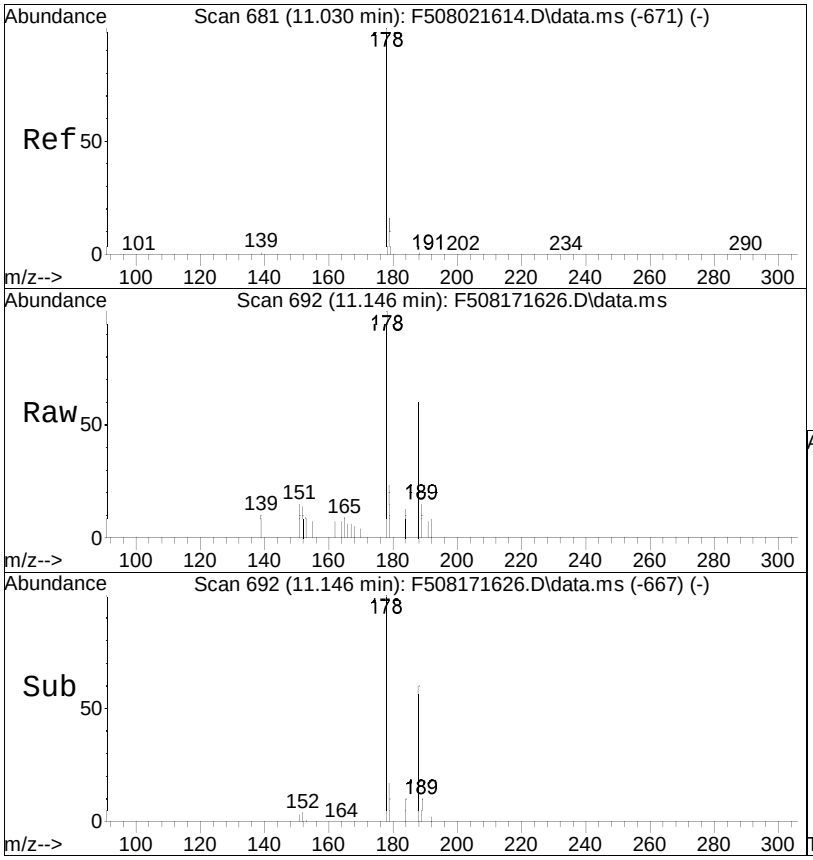


#15
Fluorene
Concen: 3.54 ng/mL M4
RT: 10.209 min Scan# 573
Delta R.T. 0.000 min
Lab File: F508171626.D
Acq: 18 Aug 2016 3:21 am

Tgt Ion:166 Resp: 724

Ion	Ratio	Lower	Upper
166	100		
165	97.0	72.8	109.2

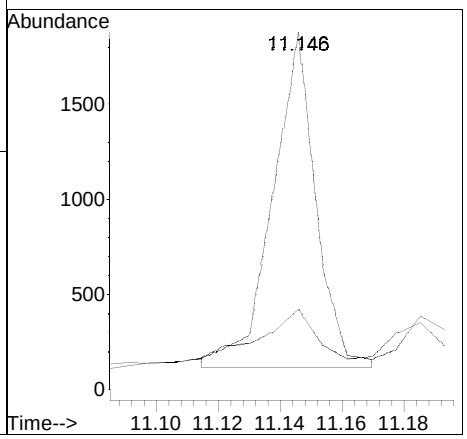


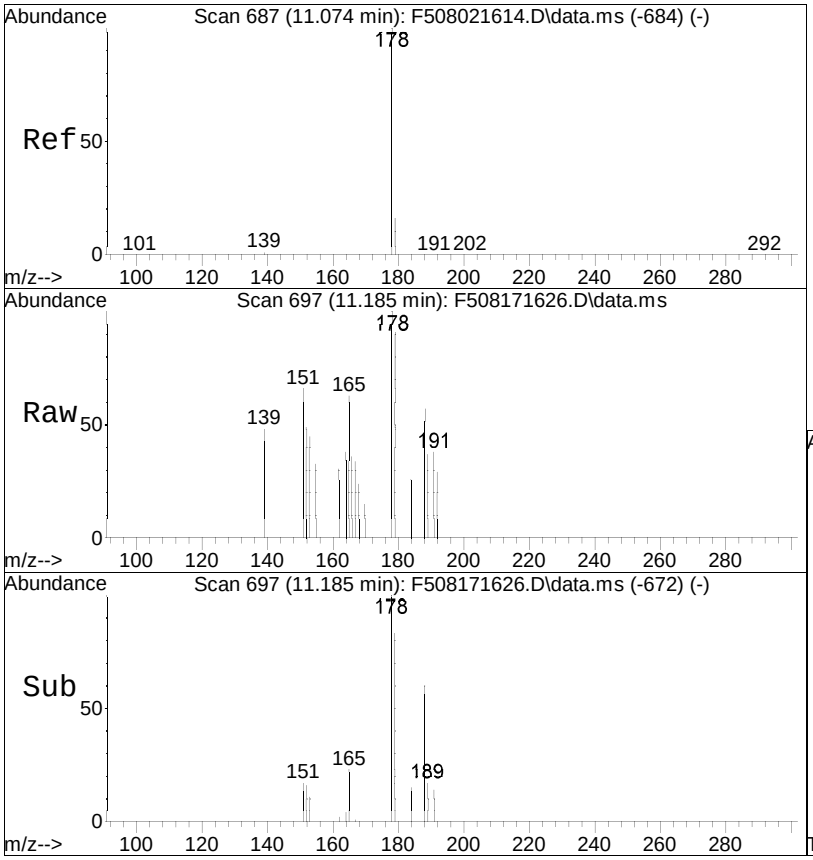


#19
Phenanthrene
Concen: 5.67 ng/mL M4
RT: 11.146 min Scan# 692
Delta R.T. 0.000 min
Lab File: F508171626.D
Acq: 18 Aug 2016 3:21 am

Tgt Ion:178 Resp: 1701

Ion	Ratio	Lower	Upper
178	100		
179	22.6	12.3	18.5#

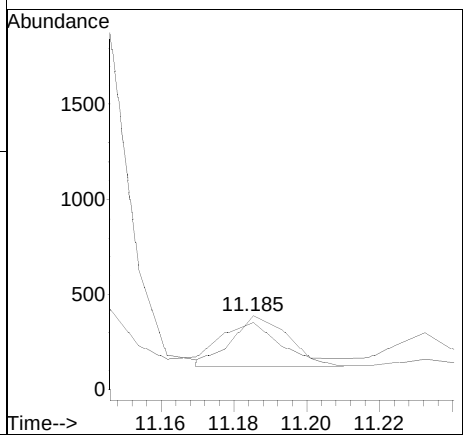


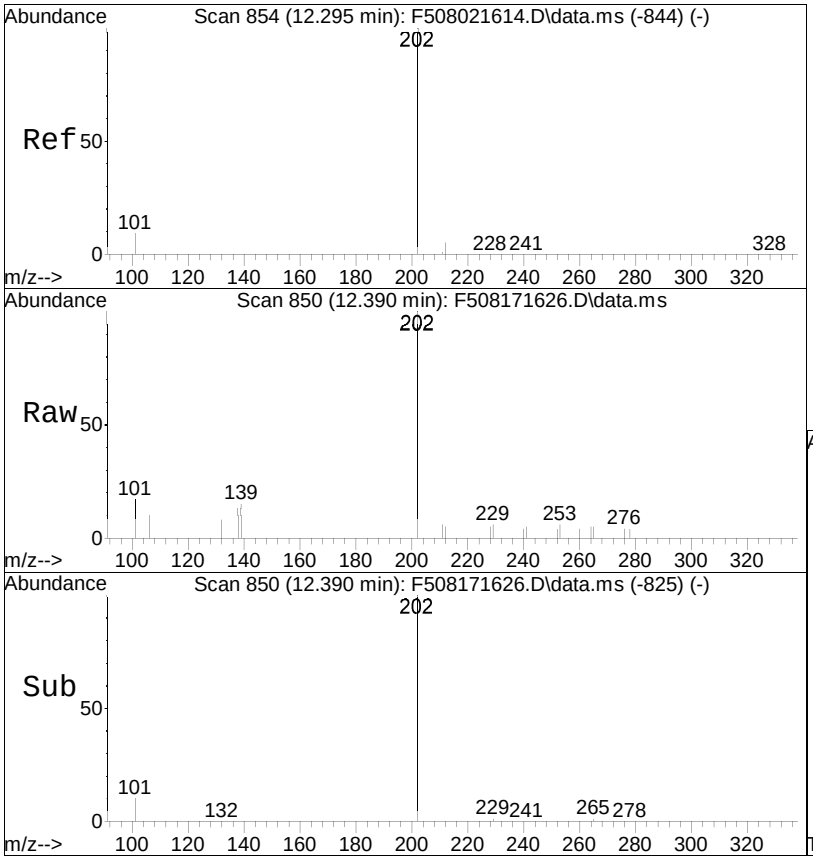


#20
Anthracene
Concen: 0.98 ng/mL
RT: 11.185 min Scan# 697
Delta R.T. 0.000 min
Lab File: F508171626.D
Acq: 18 Aug 2016 3:21 am

Tgt Ion:178 Resp: 282

Ion	Ratio	Lower	Upper
178	100		
179	91.0	12.1	18.1#

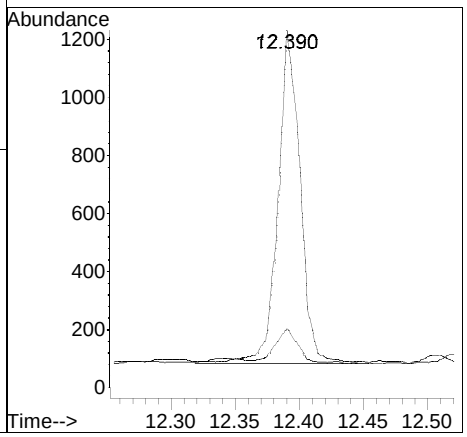


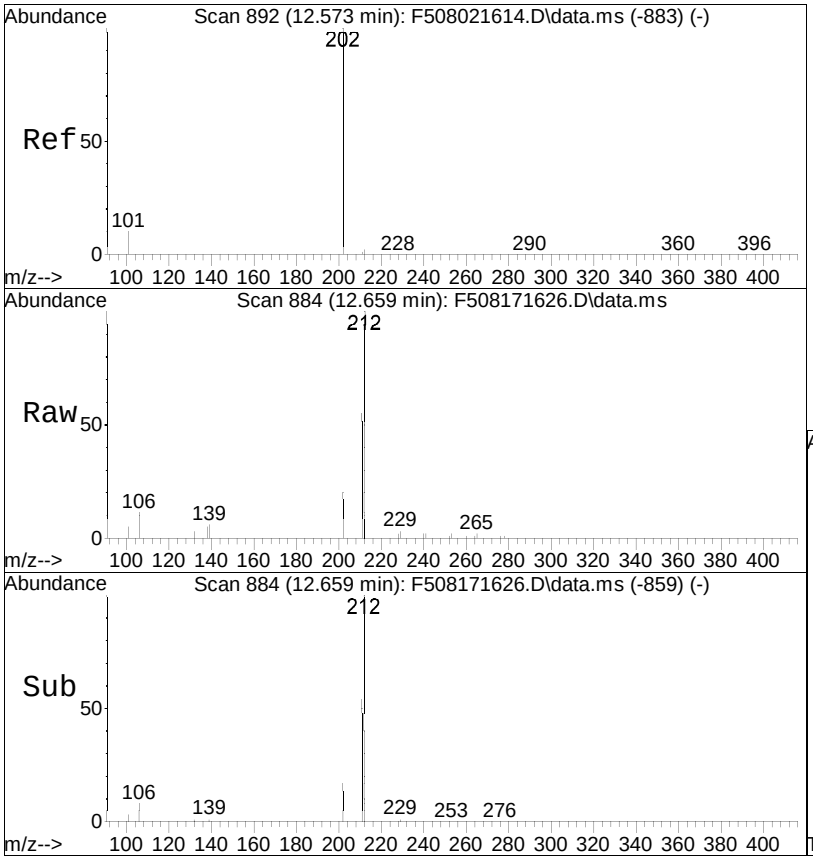


#23
Fluoranthene
Concen: 4.11 ng/mL
RT: 12.390 min Scan# 850
Delta R.T. 0.000 min
Lab File: F508171626.D
Acq: 18 Aug 2016 3:21 am

Tgt Ion:202 Resp: 1349

Ion	Ratio	Lower	Upper
202	100		
101	16.7	9.6	14.4#

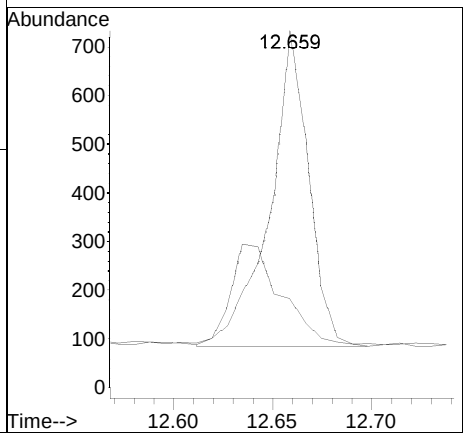




#26
Pyrene
Concen: 2.51 ng/mL
RT: 12.659 min Scan# 884
Delta R.T. 0.000 min
Lab File: F508171626.D
Acq: 18 Aug 2016 3:21 am

Tgt Ion:202 Resp: 875

Ion	Ratio	Lower	Upper
202	100		
101	25.0	11.4	17.0#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171627.D
Acq On : 18 Aug 2016 3:55 am
Operator : PAH5:DP
Sample : L1625236-08
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 18 12:42:12 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.946	136	133131	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.682	164	66108	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.122	188	132779	500.000	ng/mL	0.00
24) Chrysene-d12	14.387	240	131732	500.000	ng/mL	0.00
29) Perylene-d12	16.817	264	130314	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.611	152	58346	377.780	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 7.56%#			
25) Pyrene-d10	12.643	212	97970	423.570	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.47%#			
31) Benzo[b]fluoranthene-d12	16.131	264	94124	413.014	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.26%#			
Target Compounds						Qvalue
2) Naphthalene	7.967	128	1963	6.995	ng/mL#	89
5) 2-Methylnaphthalene	8.647	142	354	2.109	ng/mL	97
12) Acenaphthylene	9.532	152	165	0.550	ng/mL#	22
13) Acenaphthene	9.713	153	198M4	1.091	ng/mL	
15) Fluorene	10.209	166	376M4	1.828	ng/mL	
19) Phenanthrene	11.146	178	1454M4	4.716	ng/mL	
20) Anthracene	11.185	178	178	0.601	ng/mL#	1
23) Fluoranthene	12.390	202	1586	4.708	ng/mL#	87
26) Pyrene	12.659	202	1132	3.162	ng/mL#	80
27) Benz[a]anthracene	14.363	228	306M4	0.946	ng/mL	
28) Chrysene	14.426	228	325	1.065	ng/mL#	23
32) Benzo[b]fluoranthene	16.170	252	334M4	0.963	ng/mL	
33) Benzo[k]fluoranthene	16.202	252	356M4	1.230	ng/mL	
35) Benzo[a]pyrene	16.715	252	333	1.096	ng/mL#	1
37) Indeno[1,2,3-cd]pyrene	18.687	276	274M4	0.849	ng/mL	
38) Dibenz[a,h]anthracene	18.735	278	98	N.D.		
39) Benzo[g,h,i]perylene	19.200	276	270M4	0.819	ng/mL	

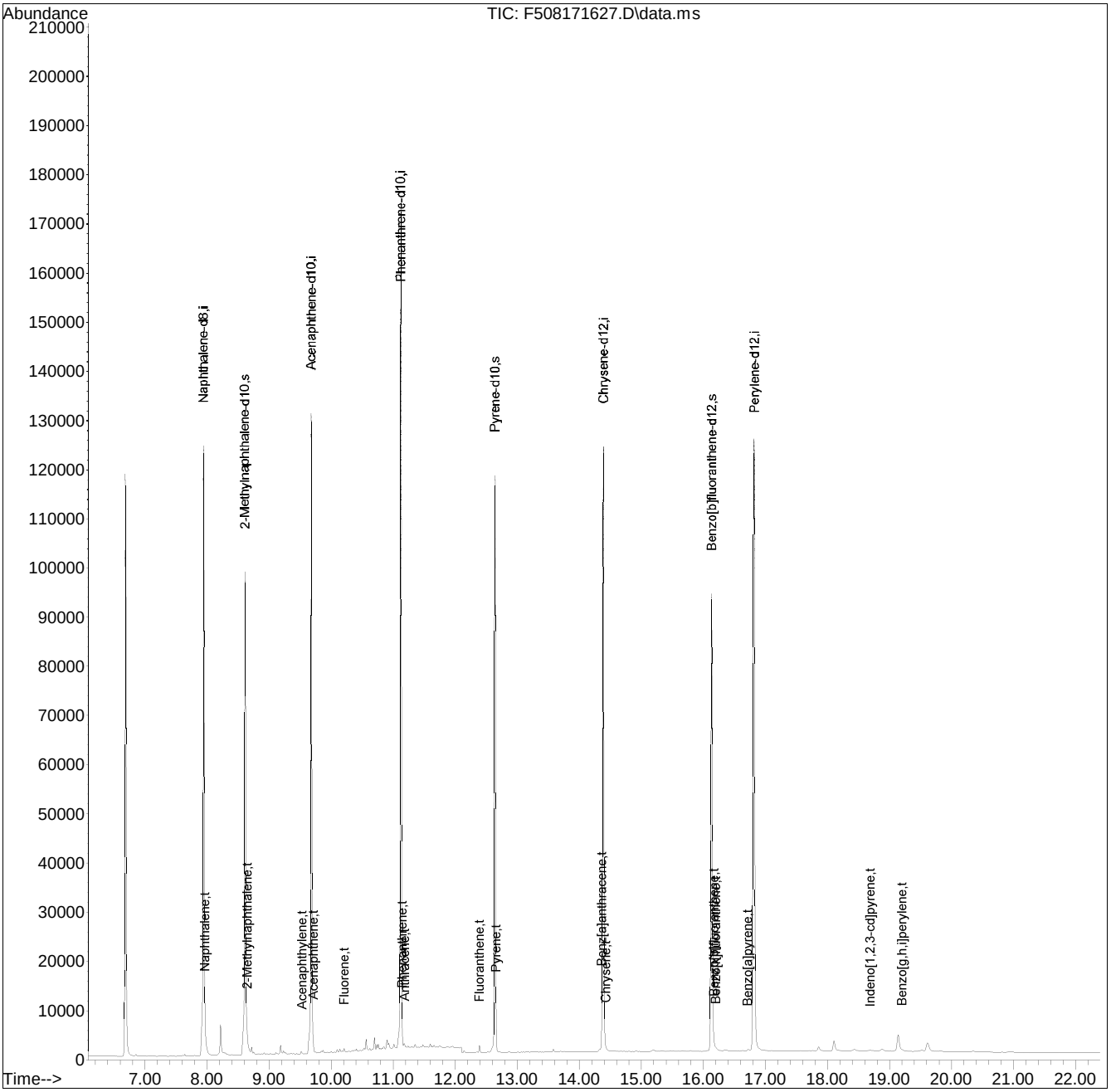
(#) = qualifier out of range (m) = manual integration (+) = signals summed

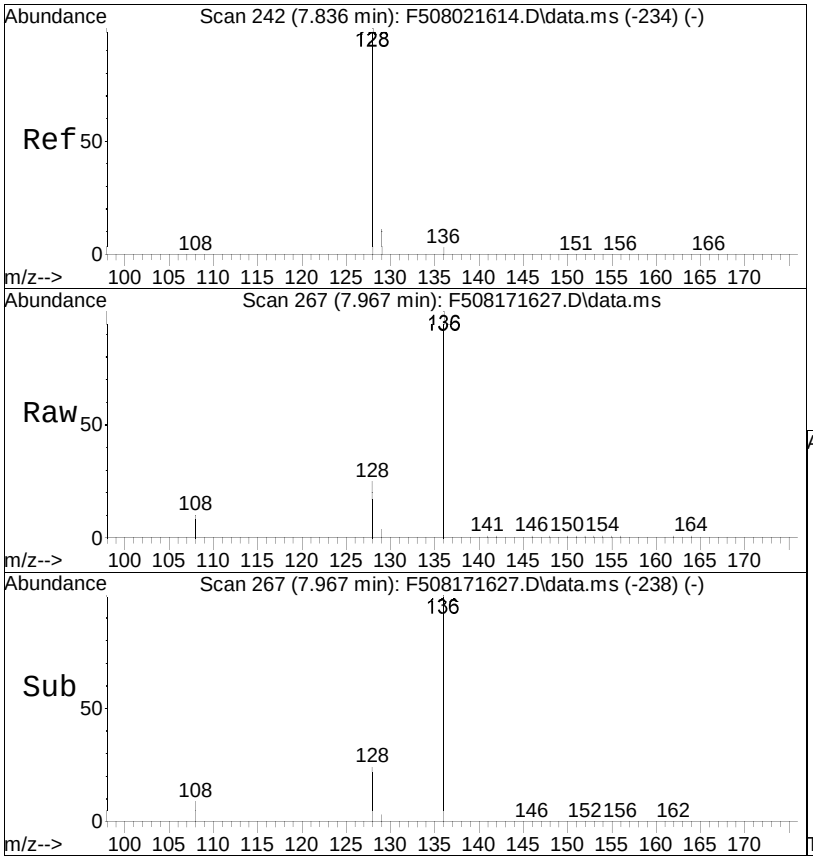
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171627.D
Acq On : 18 Aug 2016 3:55 am
Operator : PAH5:DP
Sample : L1625236-08
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 18 12:42:12 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

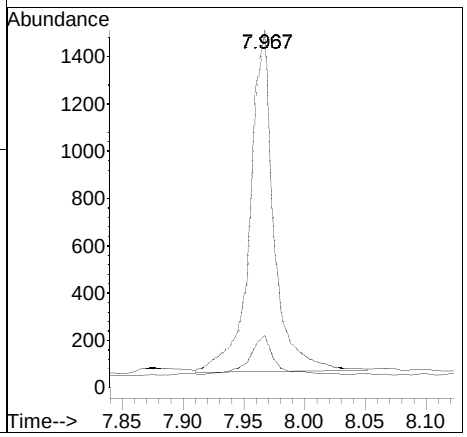


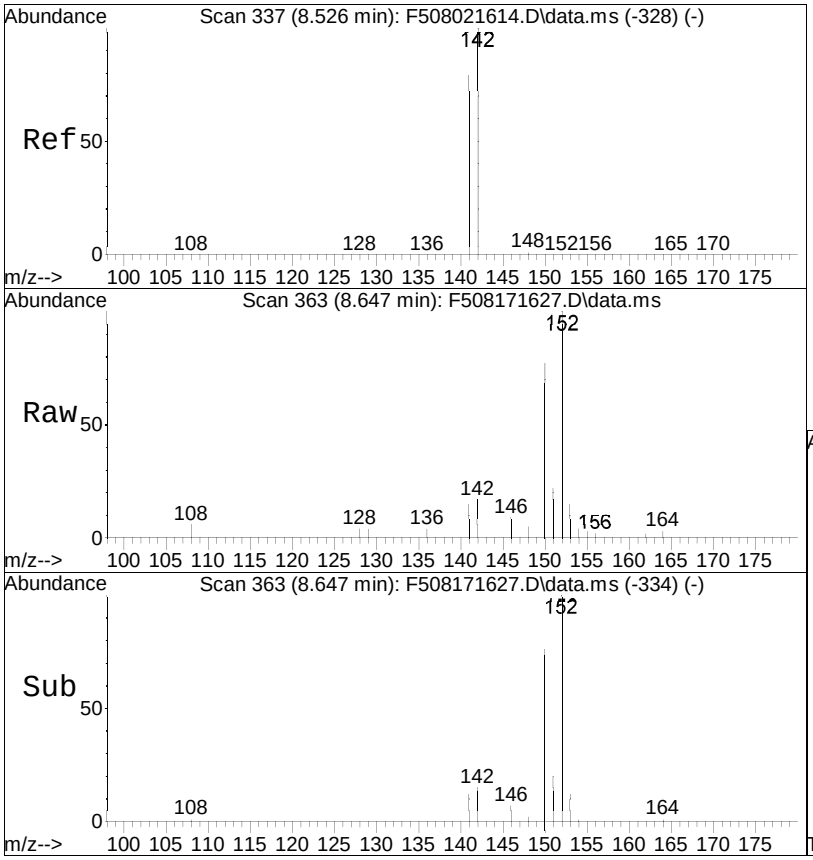


#2
Naphthalene
Concen: 7.00 ng/mL
RT: 7.967 min Scan# 267
Delta R.T. 0.007 min
Lab File: F508171627.D
Acq: 18 Aug 2016 3:55 am

Tgt Ion:128 Resp: 1963

Ion	Ratio	Lower	Upper
128	100		
129	14.8	8.6	13.0#

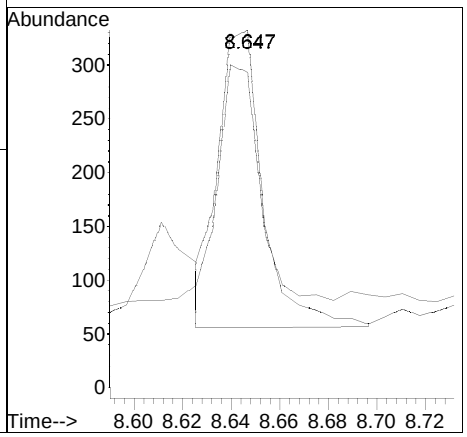


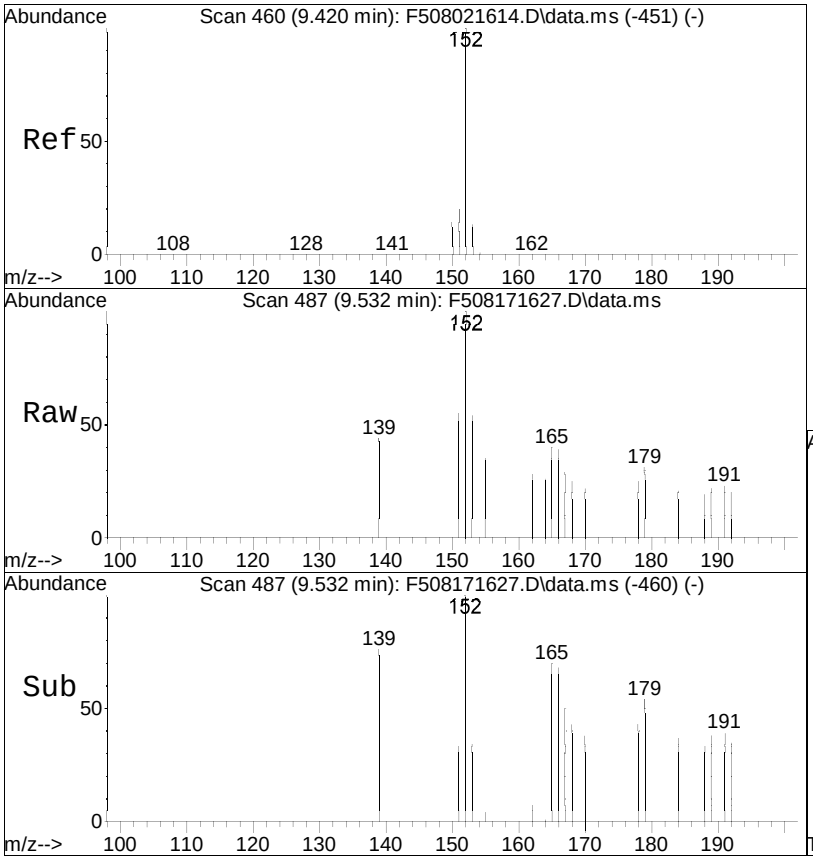


#5
2-Methylnaphthalene
Concen: 2.11 ng/mL
RT: 8.647 min Scan# 363
Delta R.T. 0.007 min
Lab File: F508171627.D
Acq: 18 Aug 2016 3:55 am

Tgt Ion:142 Resp: 354

Ion	Ratio	Lower	Upper
142	100		
141	88.3	68.5	102.7

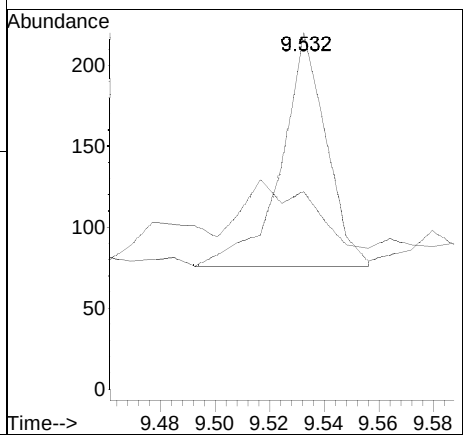


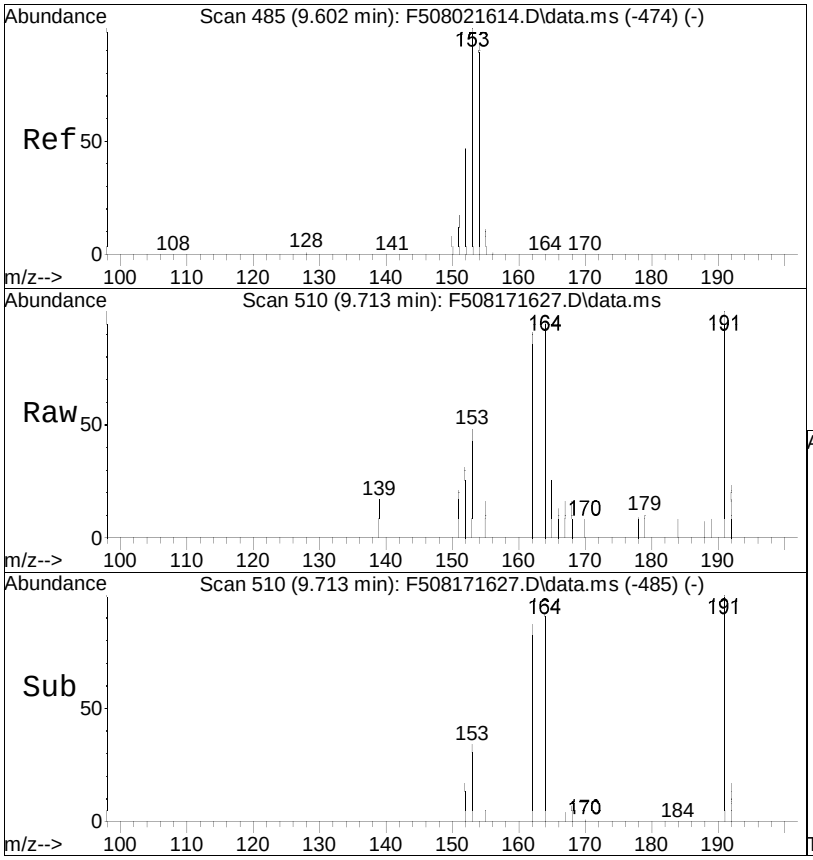


#12
Acenaphthylene
Concen: 0.55 ng/mL
RT: 9.532 min Scan# 487
Delta R.T. 0.000 min
Lab File: F508171627.D
Acq: 18 Aug 2016 3:55 am

Tgt Ion:152 Resp: 165

Ion	Ratio	Lower	Upper
152	100		
151	55.5	15.9	23.9#

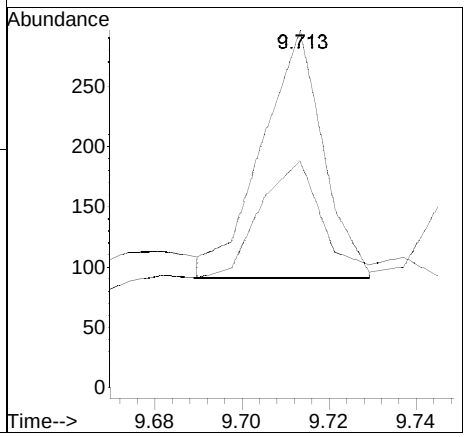


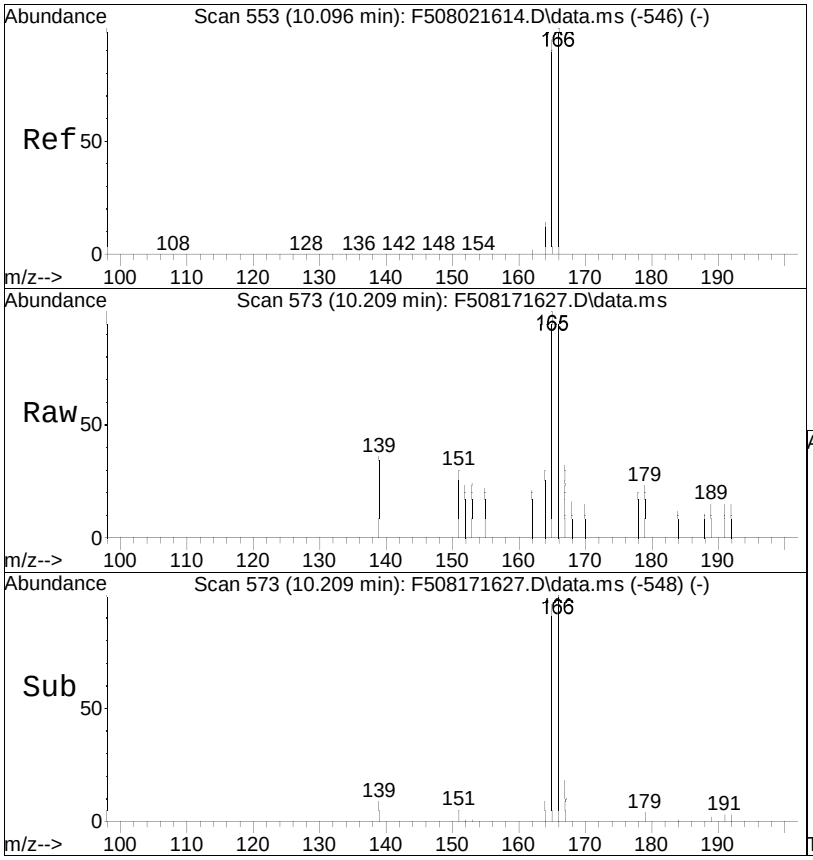


#13
Acenaphthene
Concen: 1.09 ng/mL M4
RT: 9.713 min Scan# 510
Delta R.T. 0.000 min
Lab File: F508171627.D
Acq: 18 Aug 2016 3:55 am

Tgt Ion:153 Resp: 198

Ion	Ratio	Lower	Upper
153	100		
152	63.5	38.0	57.0#

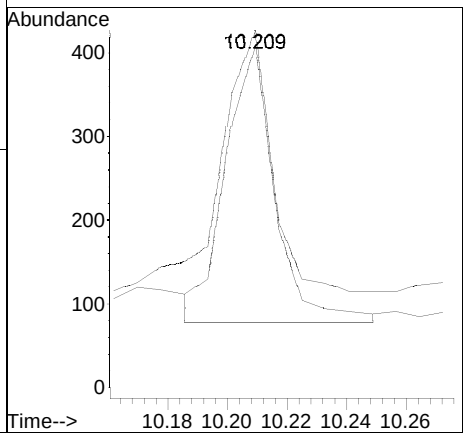


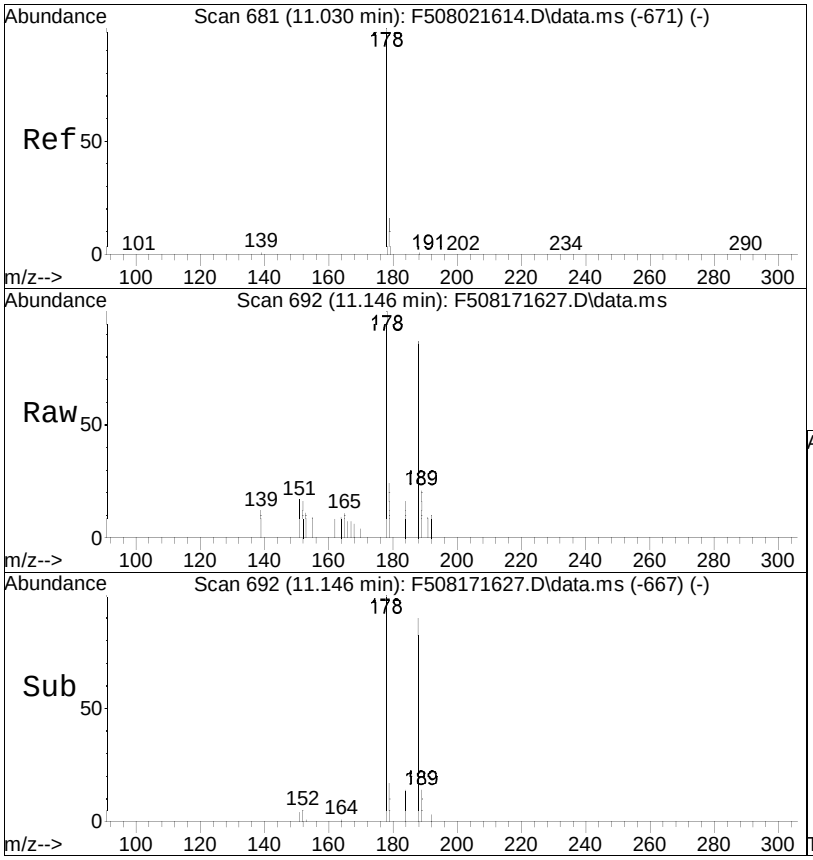


#15
Fluorene
Concen: 1.83 ng/mL M4
RT: 10.209 min Scan# 573
Delta R.T. 0.000 min
Lab File: F508171627.D
Acq: 18 Aug 2016 3:55 am

Tgt Ion:166 Resp: 376

Ion	Ratio	Lower	Upper
166	100		
165	104.2	72.8	109.2

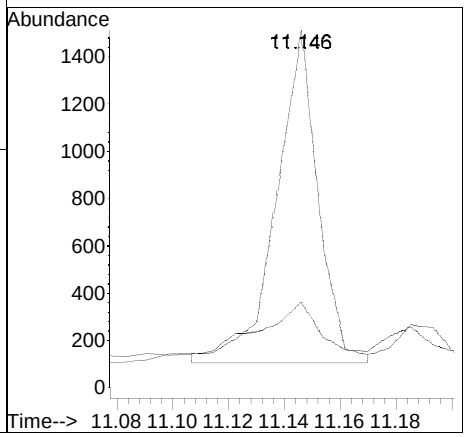


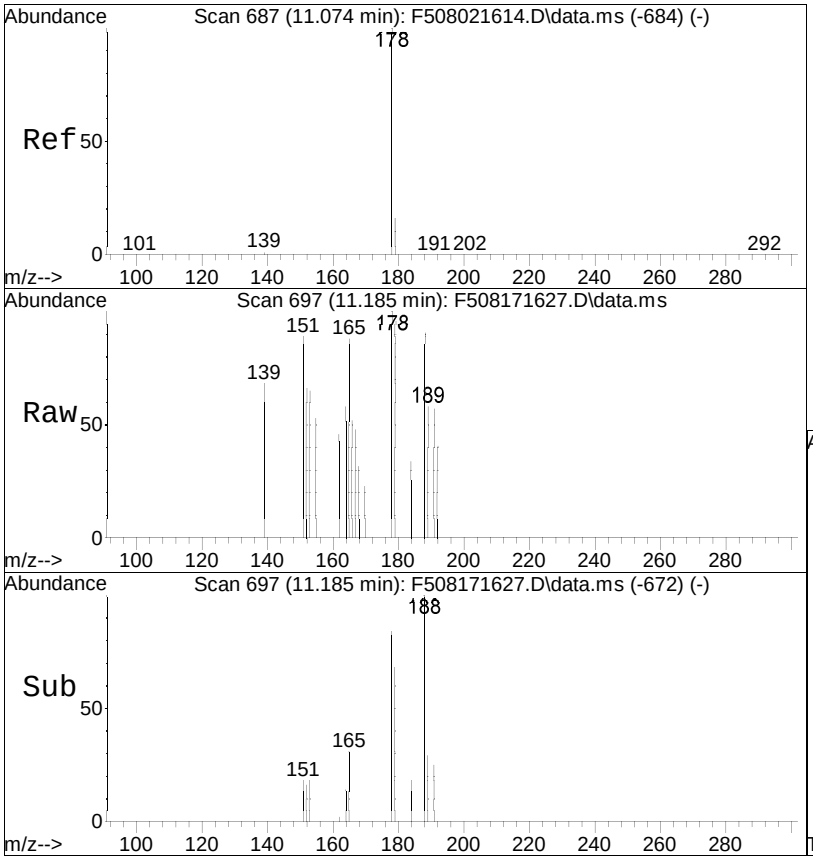


#19
Phenanthrene
Concen: 4.72 ng/mL M4
RT: 11.146 min Scan# 692
Delta R.T. 0.000 min
Lab File: F508171627.D
Acq: 18 Aug 2016 3:55 am

Tgt Ion:178 Resp: 1454

Ion	Ratio	Lower	Upper
178	100		
179	24.0	12.3	18.5#

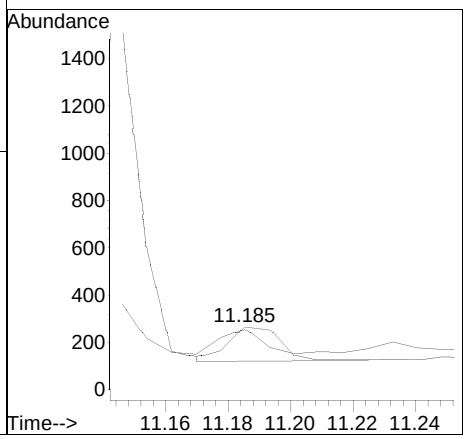


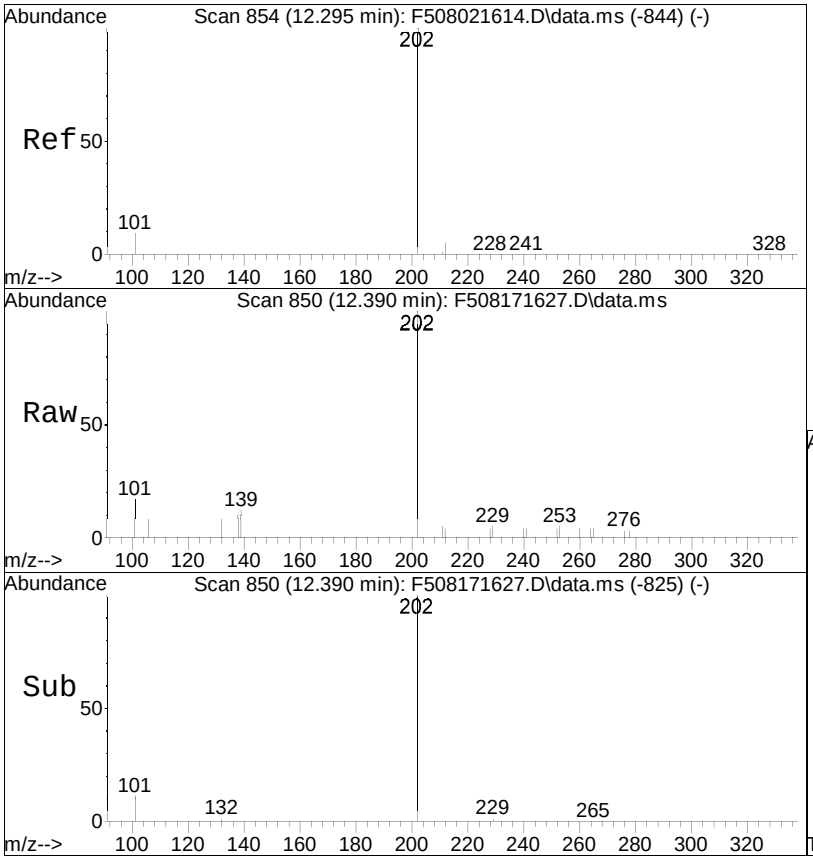


#20
Anthracene
Concen: 0.60 ng/mL
RT: 11.185 min Scan# 697
Delta R.T. 0.000 min
Lab File: F508171627.D
Acq: 18 Aug 2016 3:55 am

Tgt Ion:178 Resp: 178

Ion	Ratio	Lower	Upper
178	100		
179	95.9	12.1	18.1#

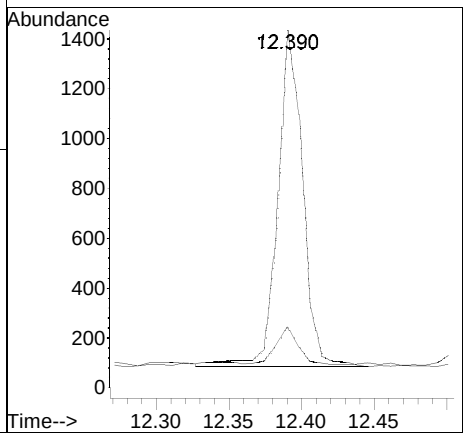


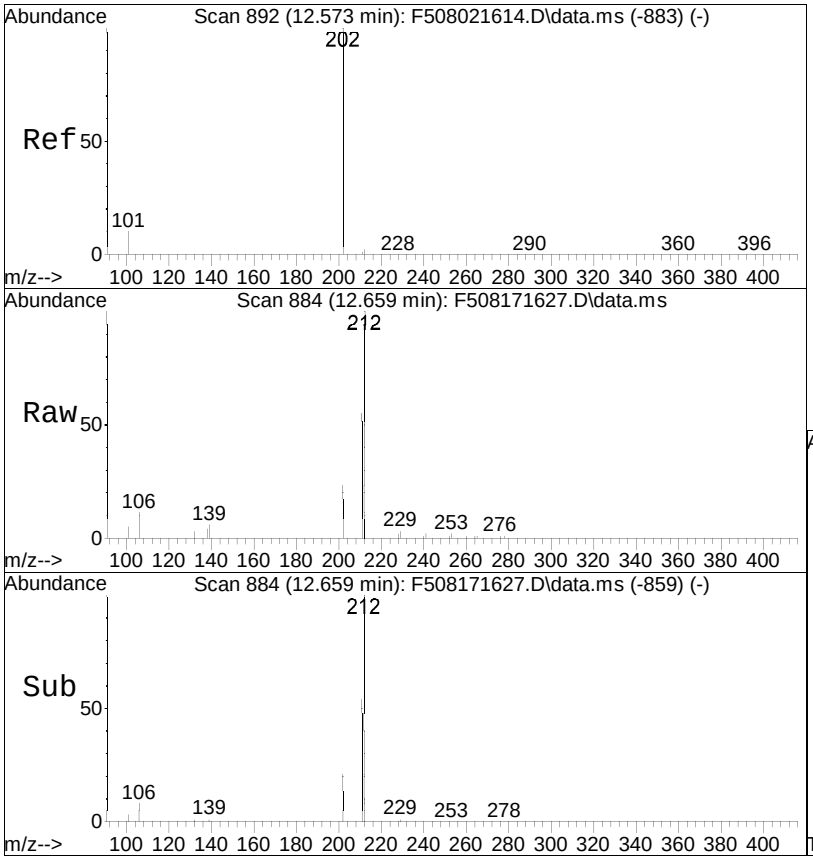


#23
Fluoranthene
Concen: 4.71 ng/mL
RT: 12.390 min Scan# 850
Delta R.T. 0.000 min
Lab File: F508171627.D
Acq: 18 Aug 2016 3:55 am

Tgt Ion:202 Resp: 1586

Ion	Ratio	Lower	Upper
202	100		
101	17.0	9.6	14.4#

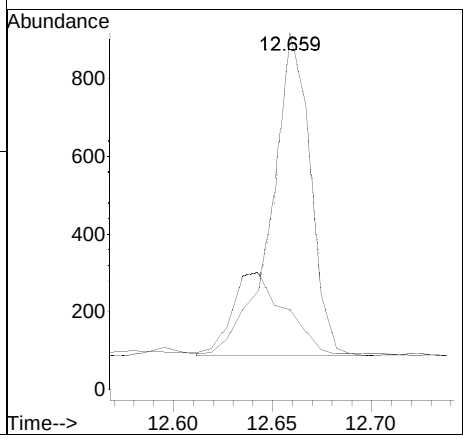


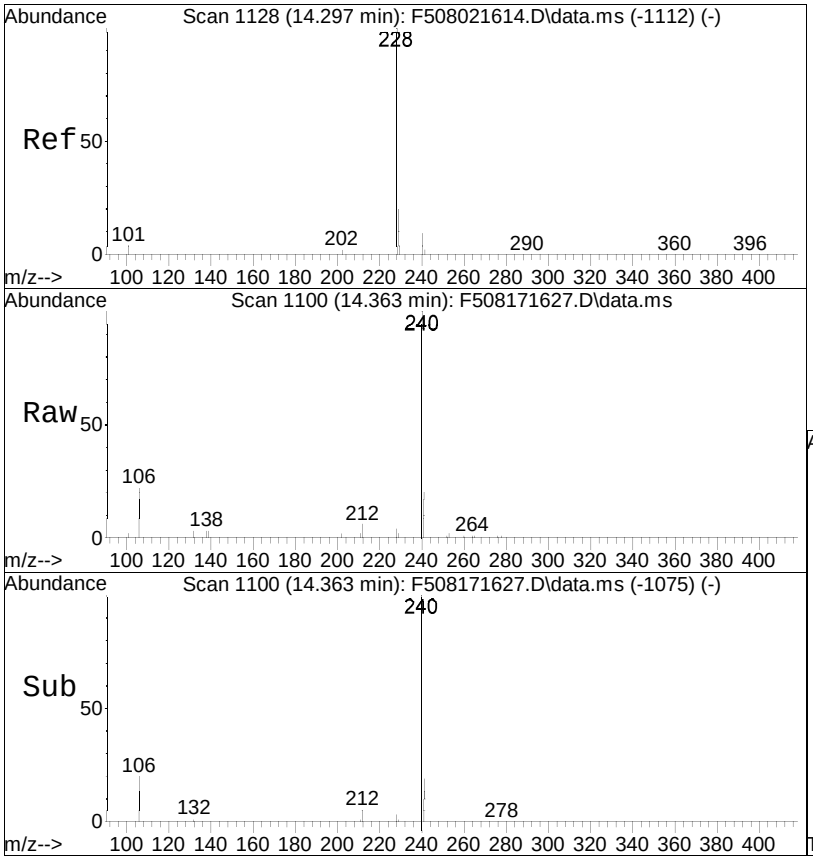


#26
Pyrene
Concen: 3.16 ng/mL
RT: 12.659 min Scan# 884
Delta R.T. 0.000 min
Lab File: F508171627.D
Acq: 18 Aug 2016 3:55 am

Tgt Ion:202 Resp: 1132

Ion	Ratio	Lower	Upper
202	100		
101	22.4	11.4	17.0#

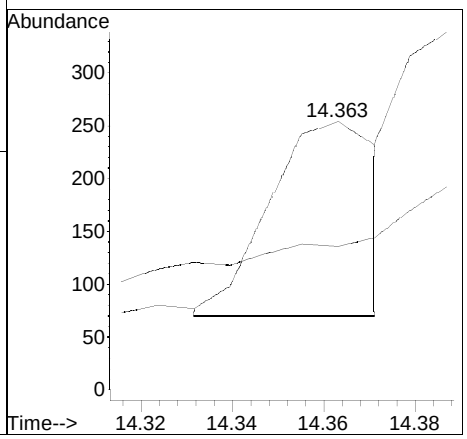


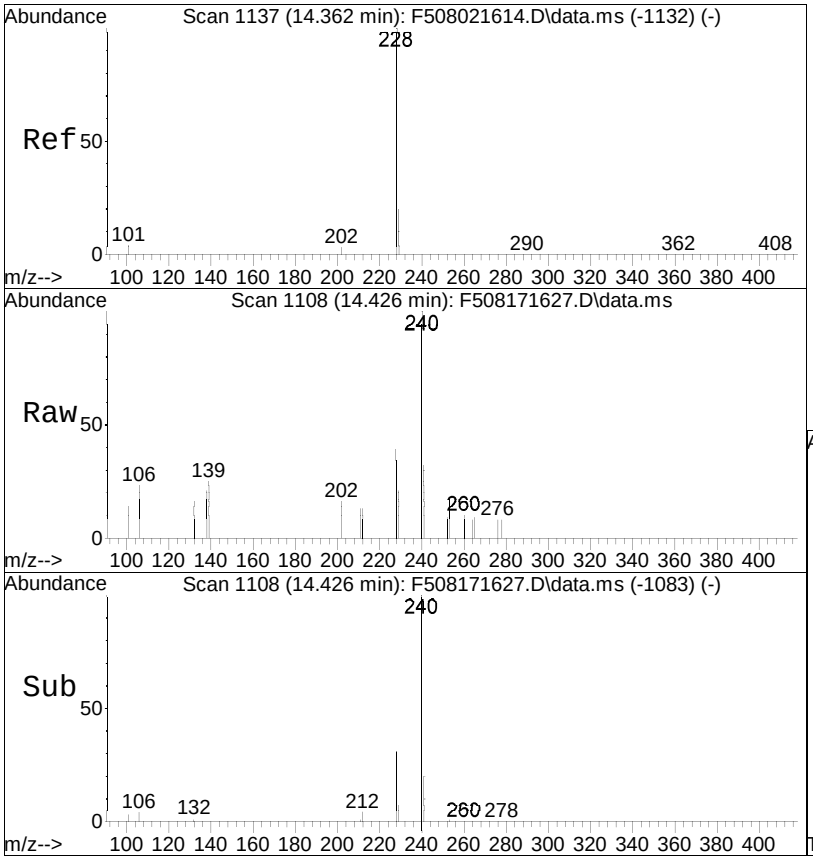


#27
Benz[a]anthracene
Concen: 0.95 ng/mL M4
RT: 14.363 min Scan# 1100
Delta R.T. 0.000 min
Lab File: F508171627.D
Acq: 18 Aug 2016 3:55 am

Tgt Ion:228 Resp: 306

Ion	Ratio	Lower	Upper
228	100		
229	53.5	15.4	23.0#

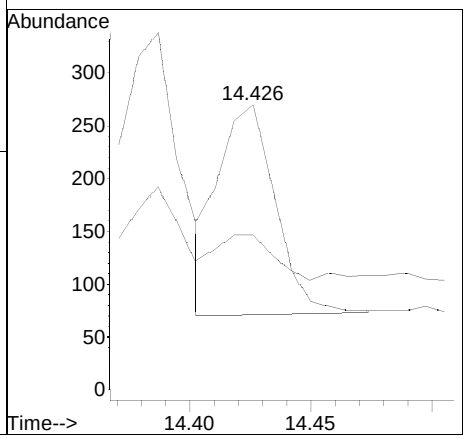


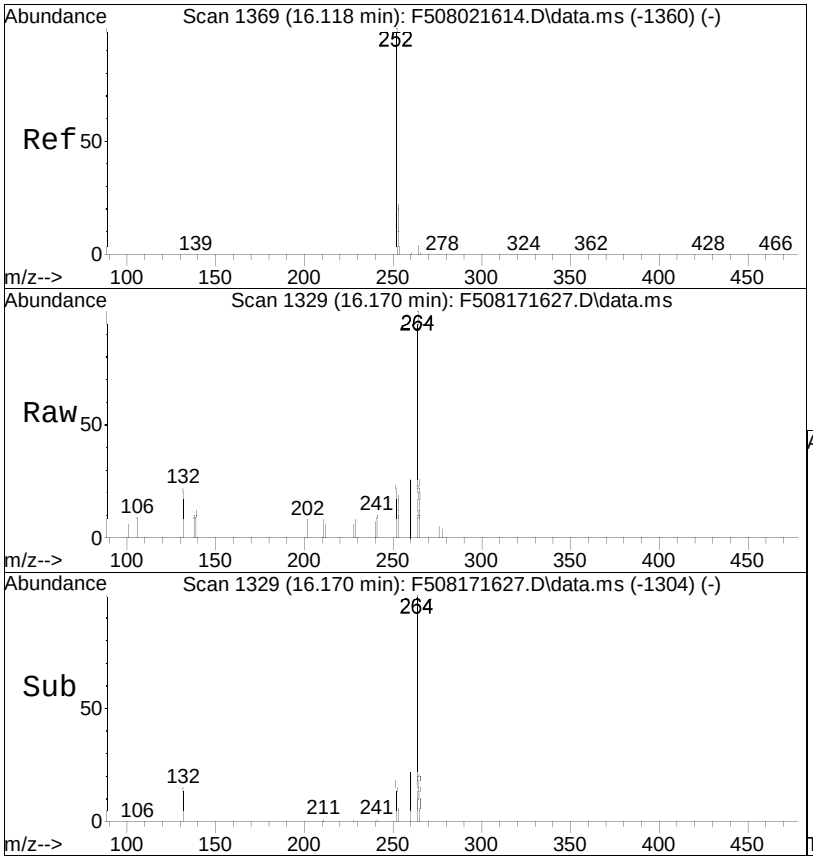


#28
Chrysene
Concen: 1.06 ng/mL
RT: 14.426 min Scan# 1108
Delta R.T. 0.000 min
Lab File: F508171627.D
Acq: 18 Aug 2016 3:55 am

Tgt Ion:228 Resp: 325

Ion	Ratio	Lower	Upper
228	100		
229	54.4	15.6	23.4#

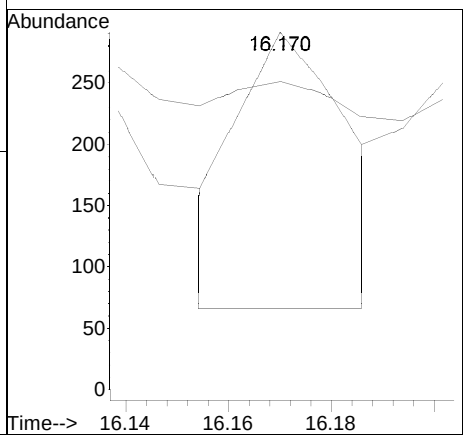


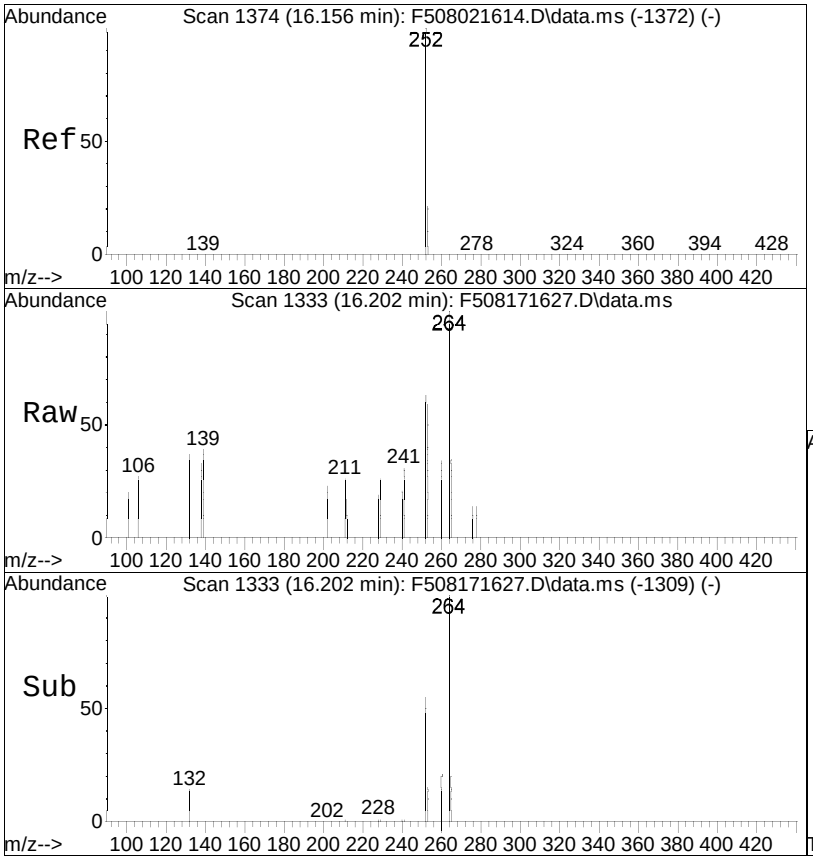


#32
Benzo[b]fluoranthene
Concen: 0.96 ng/mL M4
RT: 16.170 min Scan# 1329
Delta R.T. 0.000 min
Lab File: F508171627.D
Acq: 18 Aug 2016 3:55 am

Tgt Ion:252 Resp: 334

Ion	Ratio	Lower	Upper
252	100		
253	86.3	17.4	26.0#

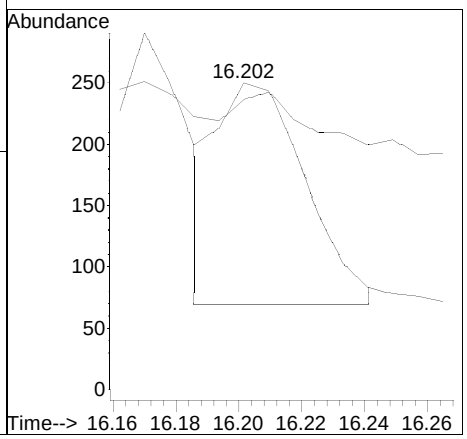


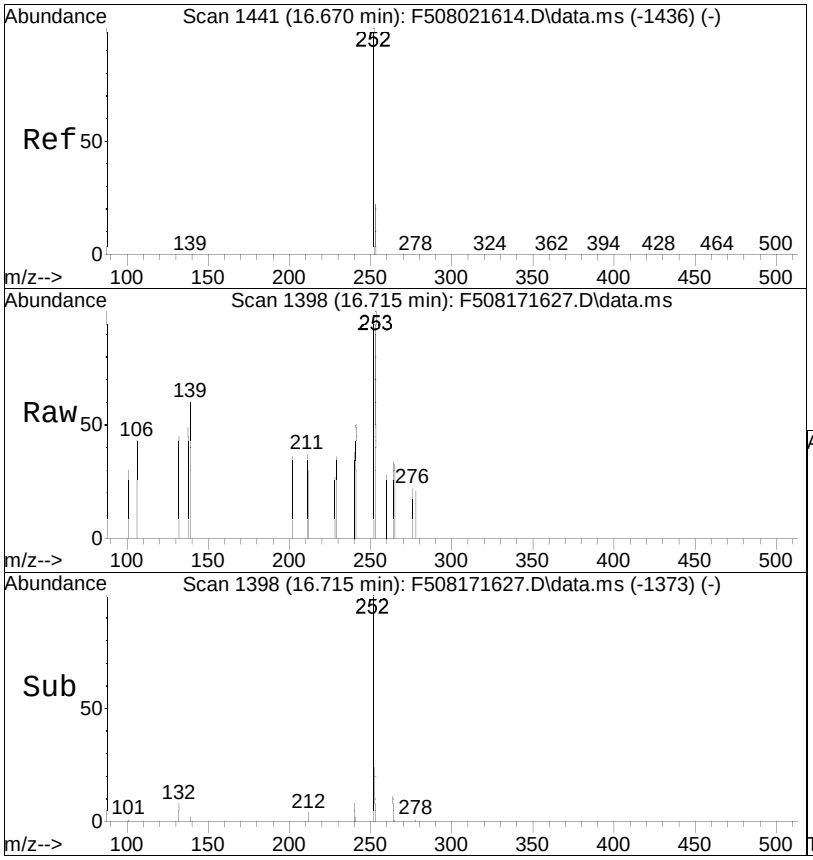


#33
Benzo[k]fluoranthene
Concen: 1.23 ng/mL M4
RT: 16.202 min Scan# 1333
Delta R.T. -0.008 min
Lab File: F508171627.D
Acq: 18 Aug 2016 3:55 am

Tgt Ion:252 Resp: 356

Ion	Ratio	Lower	Upper
252	100		
253	94.4	17.4	26.0#

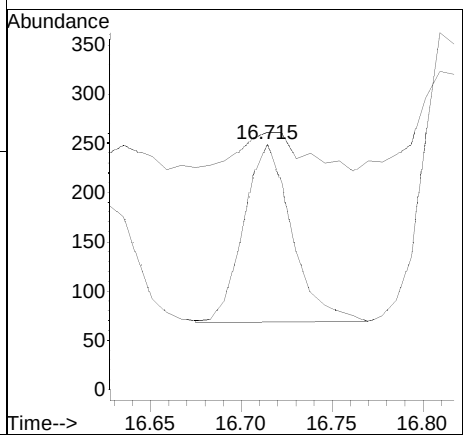


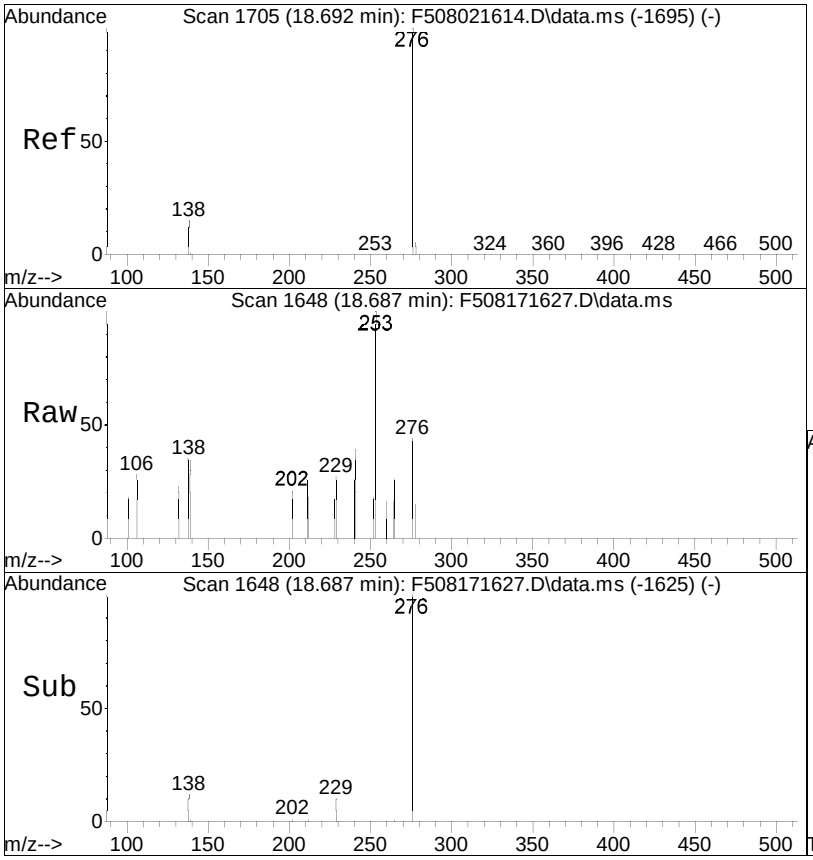


#35
Benzo[a]pyrene
Concen: 1.10 ng/mL
RT: 16.715 min Scan# 1398
Delta R.T. 0.000 min
Lab File: F508171627.D
Acq: 18 Aug 2016 3:55 am

Tgt Ion:252 Resp: 333

Ion	Ratio	Lower	Upper
252	100		
253	104.8	17.4	26.2#

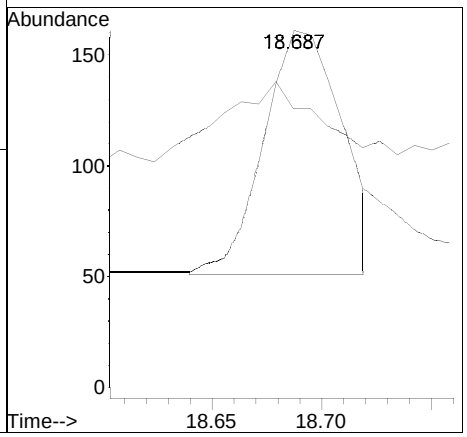


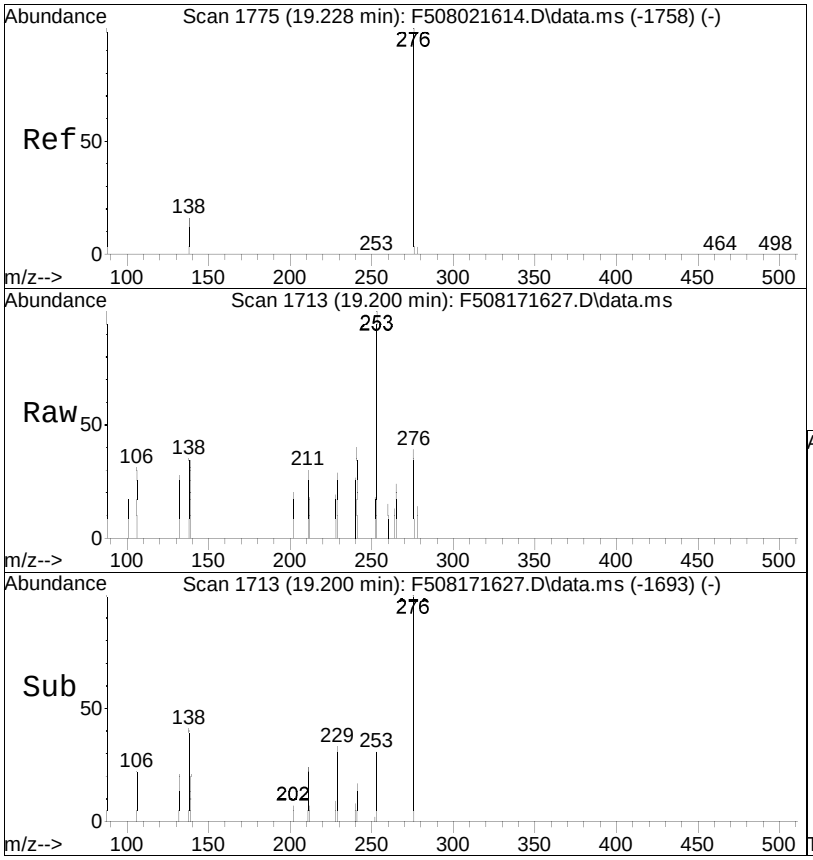


#37
Indeno[1,2,3-cd]pyrene
Concen: 0.85 ng/mL M4
RT: 18.687 min Scan# 1648
Delta R.T. -0.008 min
Lab File: F508171627.D
Acq: 18 Aug 2016 3:55 am

Tgt Ion:276 Resp: 274

Ion	Ratio	Lower	Upper
276	100		
138	78.3	21.4	32.2#

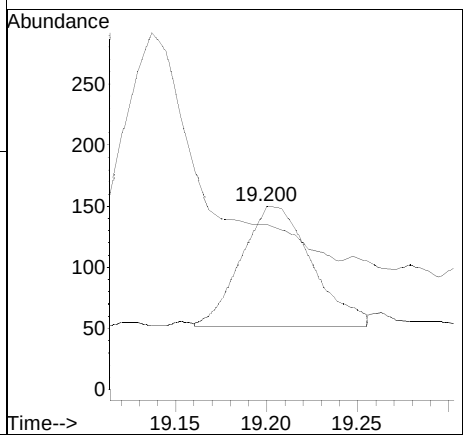




#39
Benzo[g,h,i]perylene
Concen: 0.82 ng/mL M4
RT: 19.200 min Scan# 1713
Delta R.T. -0.008 min
Lab File: F508171627.D
Acq: 18 Aug 2016 3:55 am

Tgt Ion:276 Resp: 270

Ion	Ratio	Lower	Upper
276	100		
138	90.0	33.5	50.3#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171628.D
Acq On : 18 Aug 2016 4:29 am
Operator : PAH5:DP
Sample : L1625236-09
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 18 12:43:57 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.946	136	122621	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.682	164	60881	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.122	188	121088	500.000	ng/mL	0.00
24) Chrysene-d12	14.387	240	121710	500.000	ng/mL	0.00
29) Perylene-d12	16.809	264	120032	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.611	152	53376	375.222	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 7.50%#			
25) Pyrene-d10	12.643	212	89958	420.957	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.42%#			
31) Benzo[b]fluoranthene-d12	16.130	264	87664	417.618	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.35%#			
Target Compounds						Qvalue
2) Naphthalene	7.960	128	2541	9.831	ng/mL#	93
5) 2-Methylnaphthalene	8.640	142	1503M4	9.722	ng/mL	
12) Acenaphthylene	9.532	152	1727	6.256	ng/mL#	89
13) Acenaphthene	9.713	153	1176M4	7.039	ng/mL	
15) Fluorene	10.209	166	1066M4	5.628	ng/mL	
19) Phenanthrene	11.146	178	1582	5.627	ng/mL#	80
20) Anthracene	11.185	178	339	1.256	ng/mL#	1
23) Fluoranthene	12.390	202	1247	4.059	ng/mL#	85
26) Pyrene	12.659	202	1028	3.108	ng/mL#	75
27) Benz[a]anthracene	14.363	228	294M4	0.984	ng/mL	
28) Chrysene	14.418	228	302	1.071	ng/mL#	24
32) Benzo[b]fluoranthene	16.170	252	383M4	1.199	ng/mL	
33) Benzo[k]fluoranthene	16.201	252	233M4	0.874	ng/mL	
35) Benzo[a]pyrene	16.714	252	306	1.094	ng/mL#	1
37) Indeno[1,2,3-cd]pyrene	18.687	276	209M4	0.703	ng/mL	
38) Dibenz[a,h]anthracene	18.726	278	45	N.D.		
39) Benzo[g,h,i]perylene	19.208	276	241M4	0.793	ng/mL	

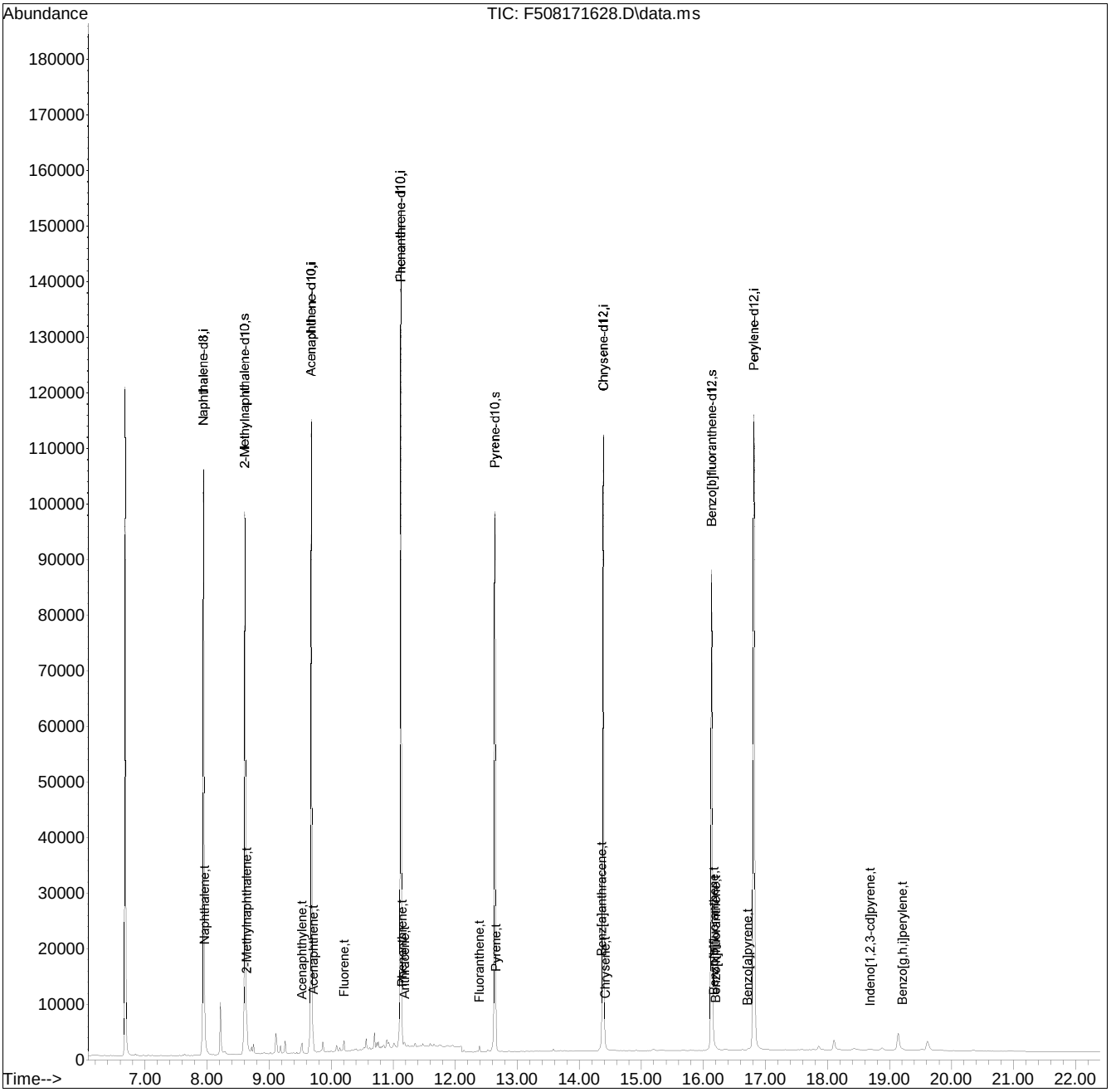
(#) = qualifier out of range (m) = manual integration (+) = signals summed

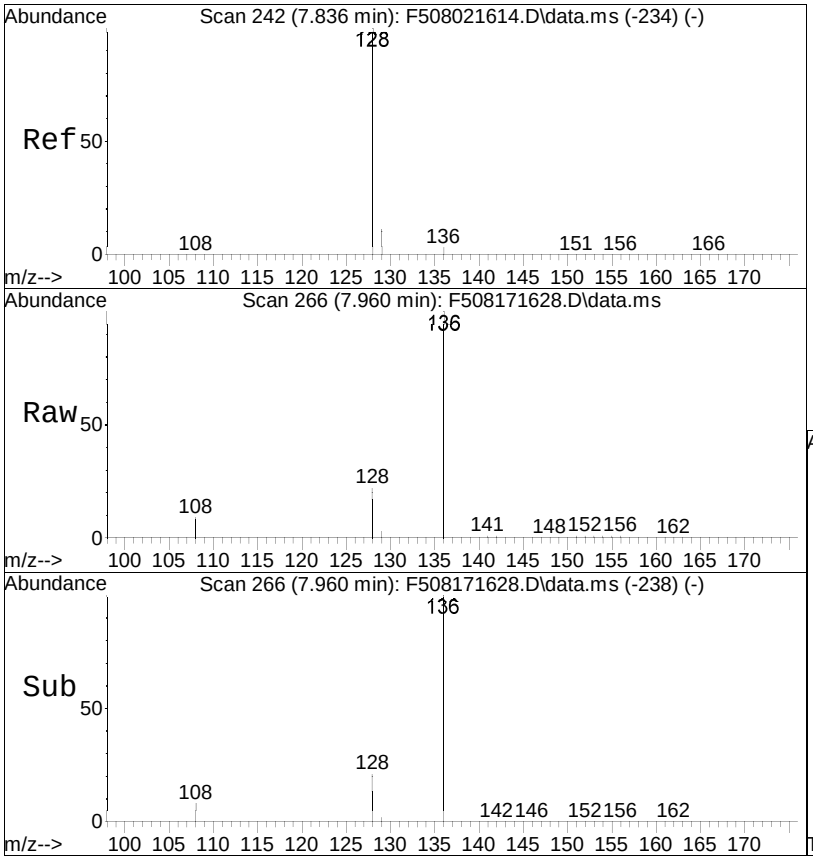
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171628.D
Acq On : 18 Aug 2016 4:29 am
Operator : PAH5:DP
Sample : L1625236-09
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 18 12:43:57 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

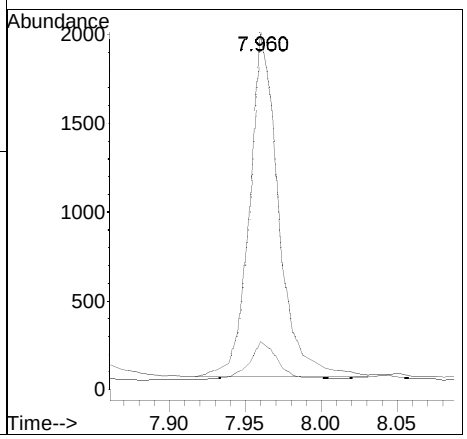


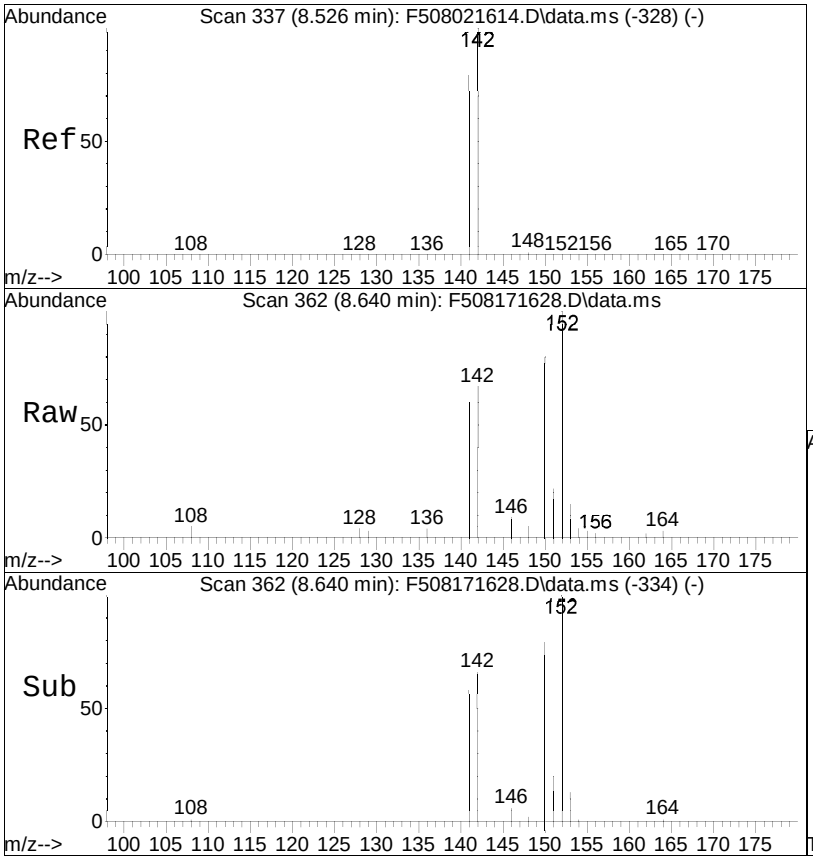


#2
Naphthalene
Concen: 9.83 ng/mL
RT: 7.960 min Scan# 266
Delta R.T. -0.000 min
Lab File: F508171628.D
Acq: 18 Aug 2016 4:29 am

Tgt Ion:128 Resp: 2541

Ion	Ratio	Lower	Upper
128	100		
129	13.4	8.6	13.0#

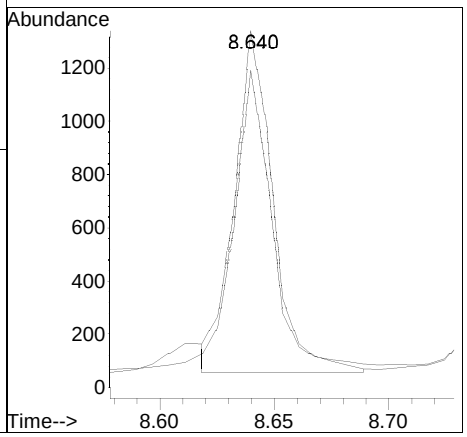


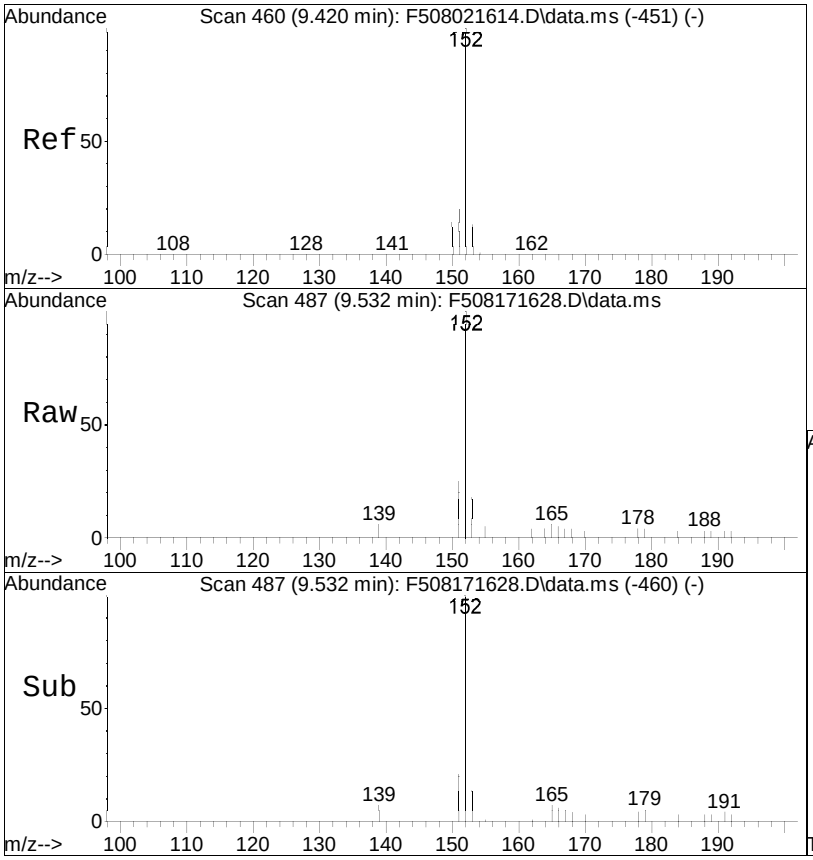


#5
2-Methylnaphthalene
Concen: 9.72 ng/mL M4
RT: 8.640 min Scan# 362
Delta R.T. -0.000 min
Lab File: F508171628.D
Acq: 18 Aug 2016 4:29 am

Tgt Ion:142 Resp: 1503

Ion	Ratio	Lower	Upper
142	100		
141	88.7	68.5	102.7

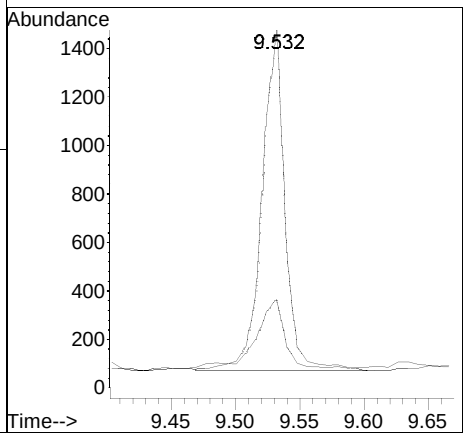


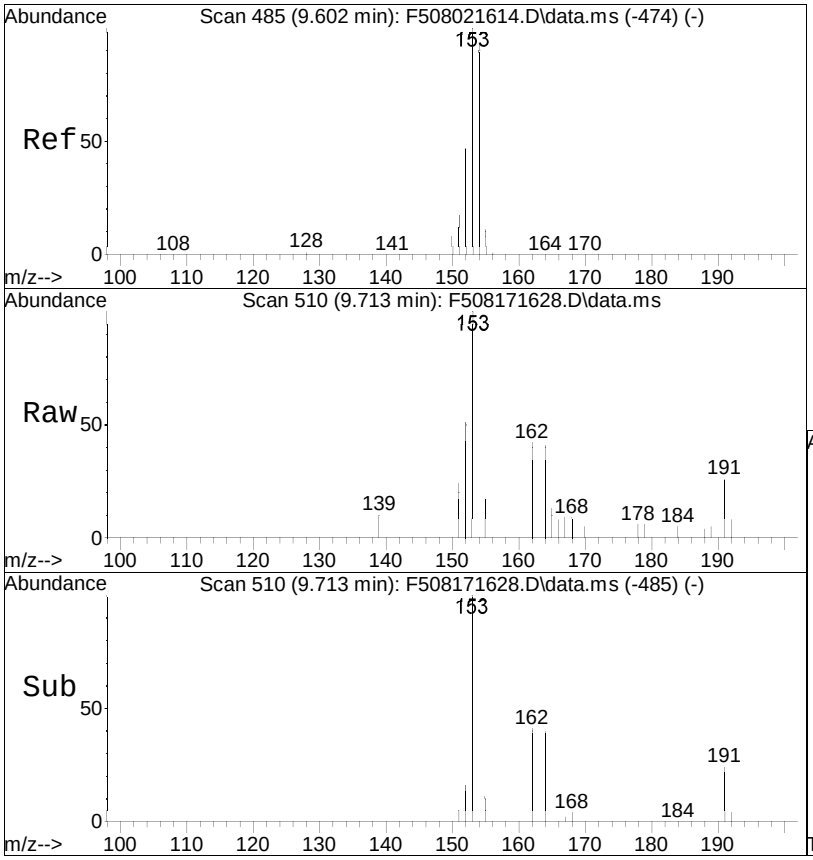


#12
Acenaphthylene
Concen: 6.26 ng/mL
RT: 9.532 min Scan# 487
Delta R.T. -0.000 min
Lab File: F508171628.D
Acq: 18 Aug 2016 4:29 am

Tgt Ion:152 Resp: 1727

Ion	Ratio	Lower	Upper
152	100		
151	24.8	15.9	23.9#

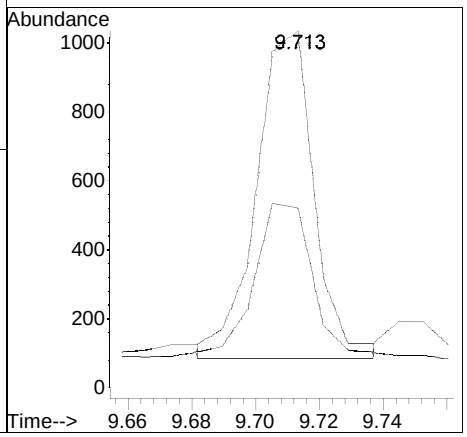


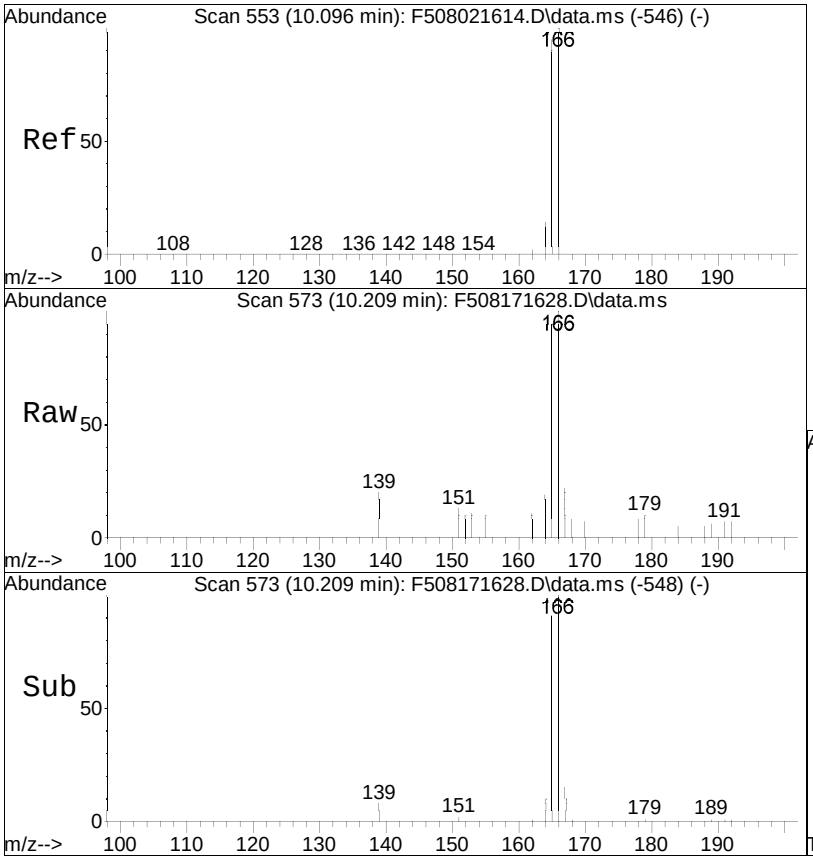


#13
Acenaphthene
Concen: 7.04 ng/mL M4
RT: 9.713 min Scan# 510
Delta R.T. -0.000 min
Lab File: F508171628.D
Acq: 18 Aug 2016 4:29 am

Tgt Ion:153 Resp: 1176

Ion	Ratio	Lower	Upper
153	100		
152	50.5	38.0	57.0

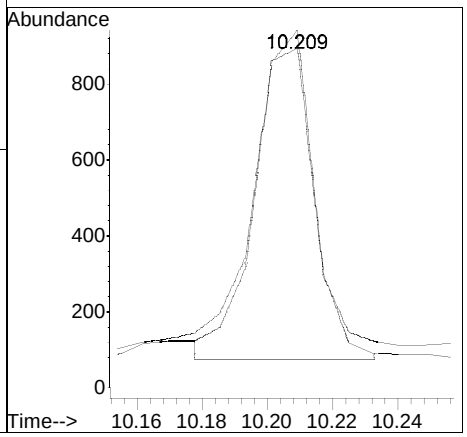


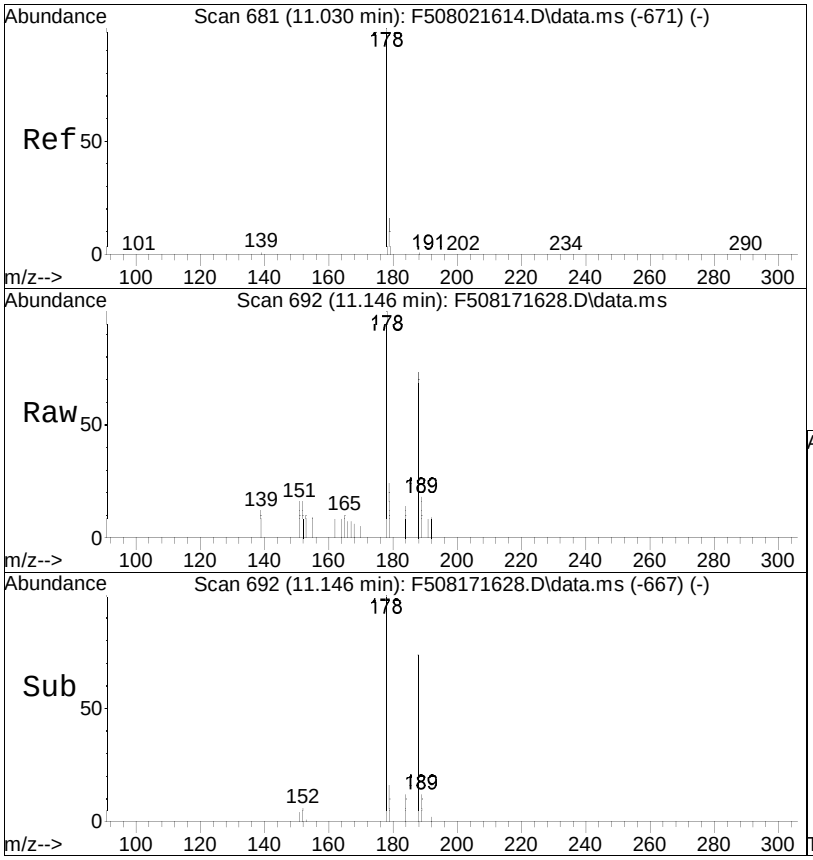


#15
Fluorene
Concen: 5.63 ng/mL M4
RT: 10.209 min Scan# 573
Delta R.T. -0.000 min
Lab File: F508171628.D
Acq: 18 Aug 2016 4:29 am

Tgt Ion:166 Resp: 1066

Ion	Ratio	Lower	Upper
166	100		
165	95.1	72.8	109.2

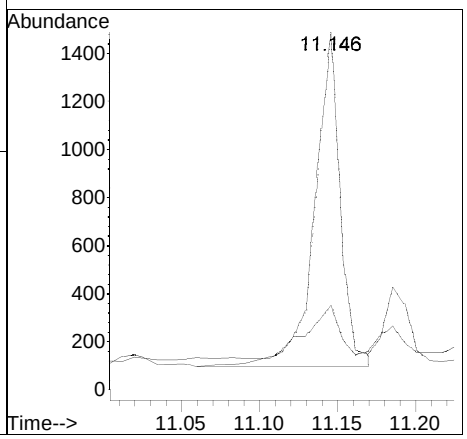


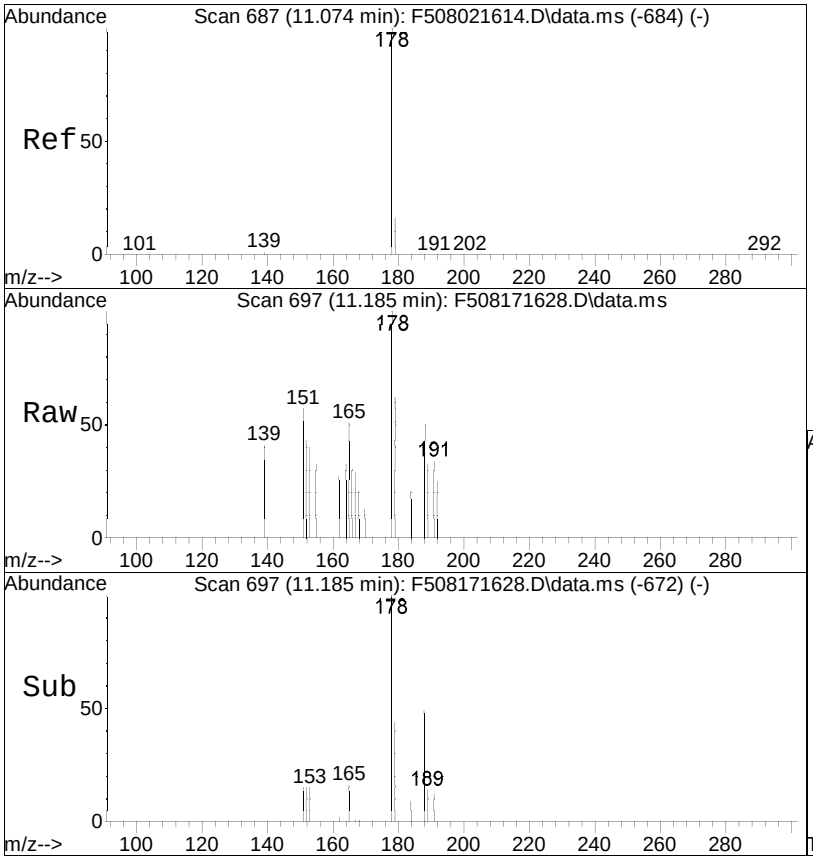


#19
Phenanthrene
Concen: 5.63 ng/mL
RT: 11.146 min Scan# 692
Delta R.T. -0.000 min
Lab File: F508171628.D
Acq: 18 Aug 2016 4:29 am

Tgt Ion:178 Resp: 1582

Ion	Ratio	Lower	Upper
178	100		
179	23.7	12.3	18.5#

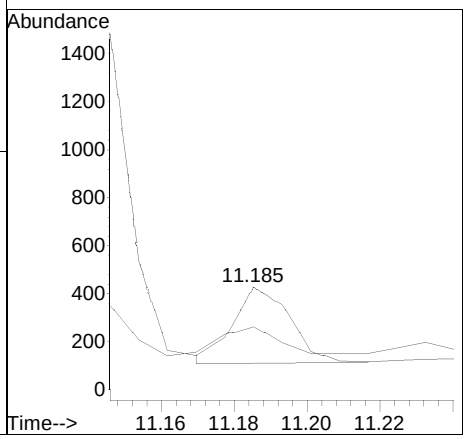


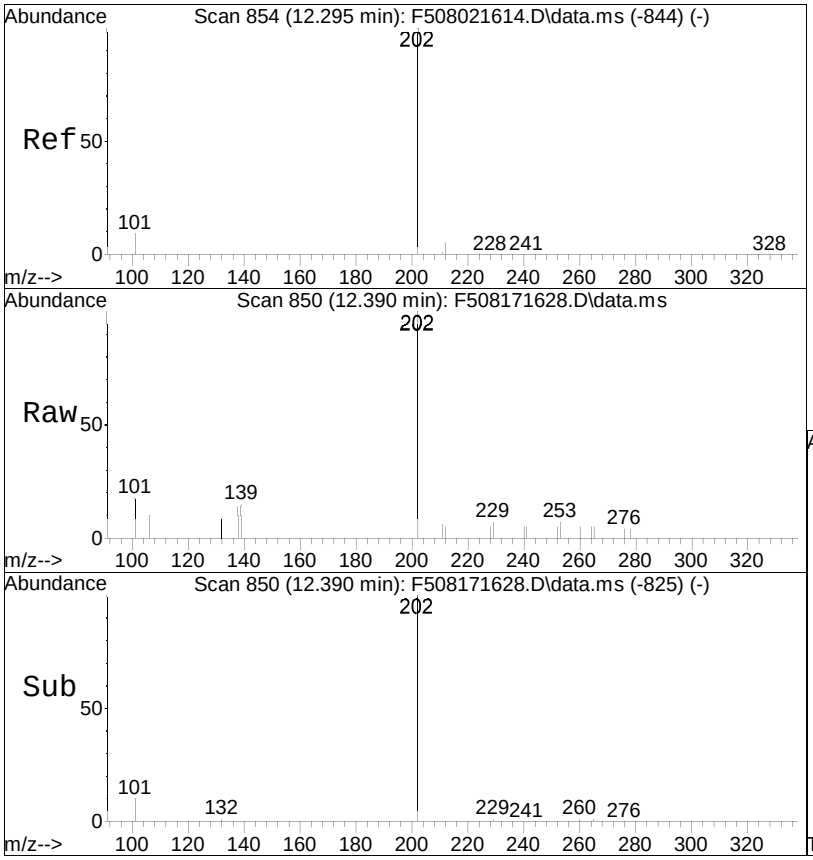


#20
Anthracene
Concen: 1.26 ng/mL
RT: 11.185 min Scan# 697
Delta R.T. -0.000 min
Lab File: F508171628.D
Acq: 18 Aug 2016 4:29 am

Tgt Ion:178 Resp: 339

Ion	Ratio	Lower	Upper
178	100		
179	61.7	12.1	18.1#

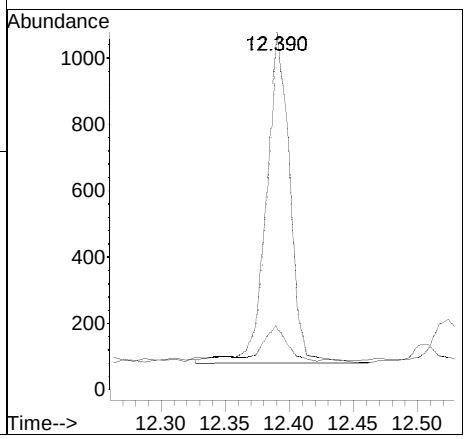


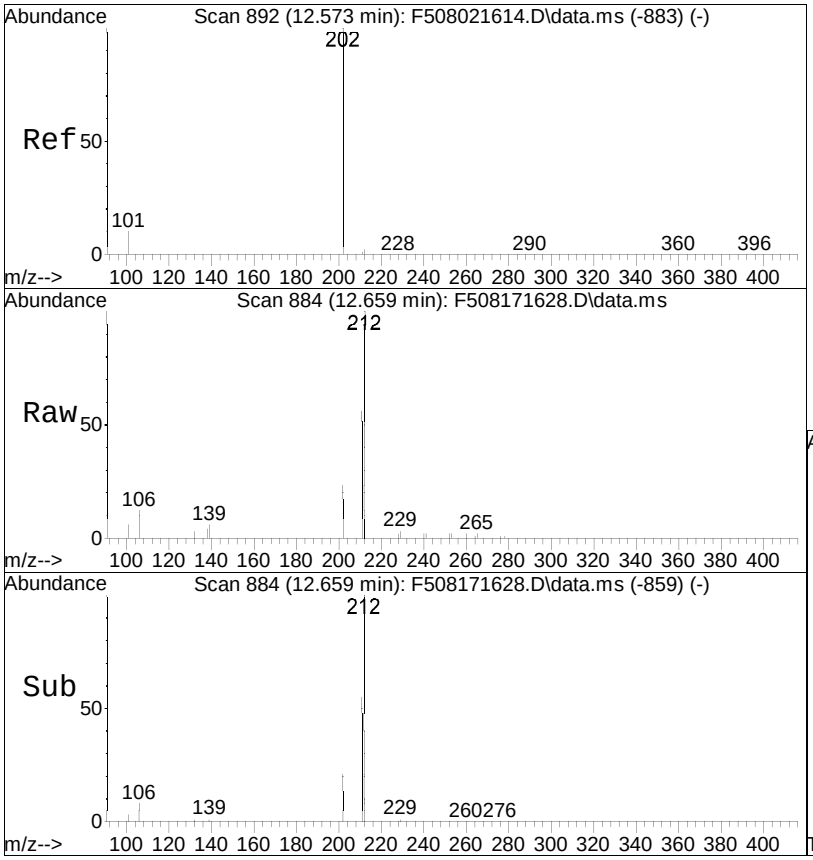


#23
Fluoranthene
Concen: 4.06 ng/mL
RT: 12.390 min Scan# 850
Delta R.T. -0.000 min
Lab File: F508171628.D
Acq: 18 Aug 2016 4:29 am

Tgt Ion:202 Resp: 1247

Ion	Ratio	Lower	Upper
202	100		
101	17.9	9.6	14.4#

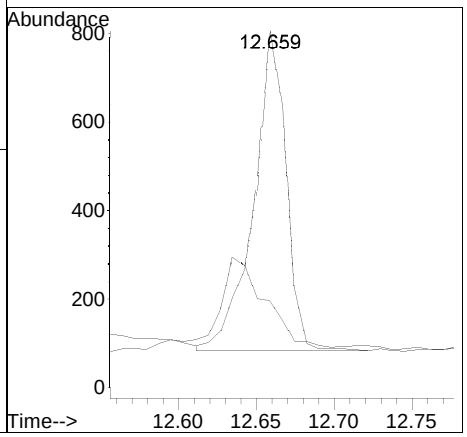


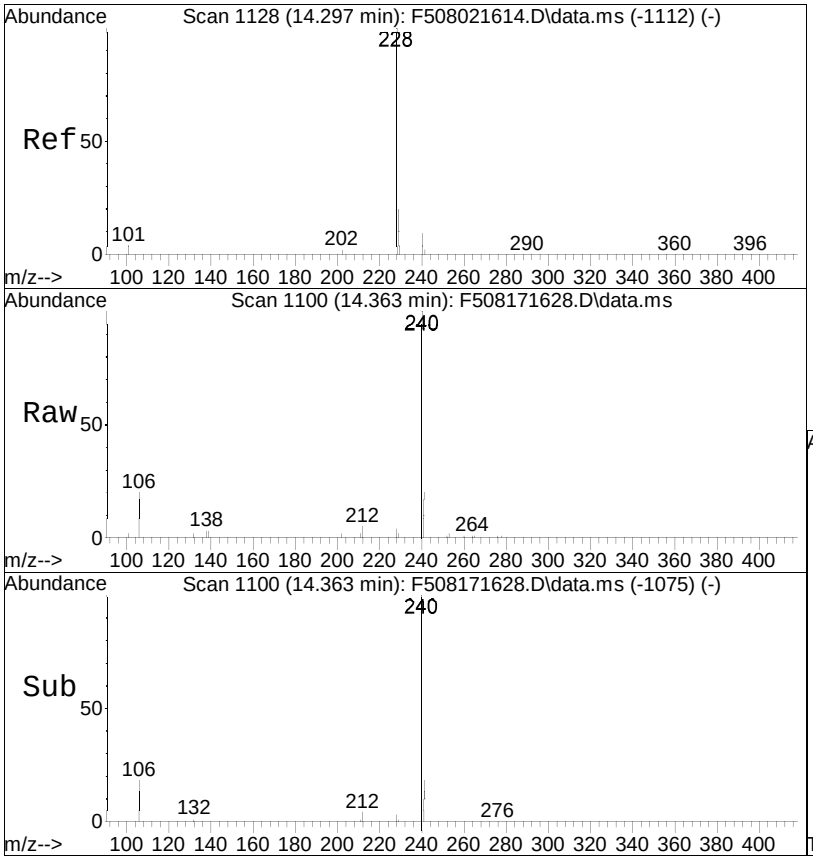


#26
Pyrene
Concen: 3.11 ng/mL
RT: 12.659 min Scan# 884
Delta R.T. -0.000 min
Lab File: F508171628.D
Acq: 18 Aug 2016 4:29 am

Tgt Ion:202 Resp: 1028

Ion	Ratio	Lower	Upper
202	100		
101	24.4	11.4	17.0#

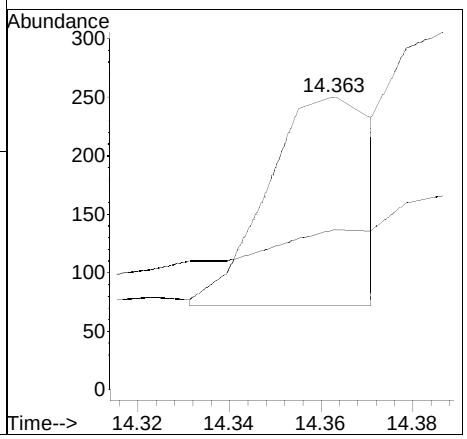


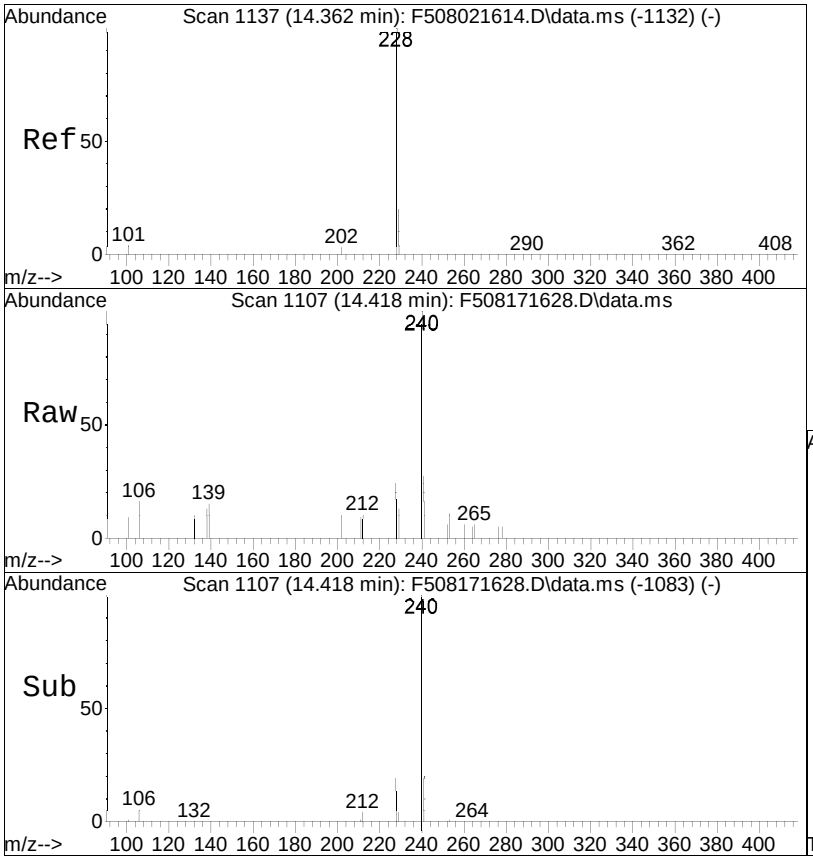


#27
Benz[a]anthracene
Concen: 0.98 ng/mL M4
RT: 14.363 min Scan# 1100
Delta R.T. -0.000 min
Lab File: F508171628.D
Acq: 18 Aug 2016 4:29 am

Tgt Ion:228 Resp: 294

Ion	Ratio	Lower	Upper
228	100		
229	54.8	15.4	23.0#

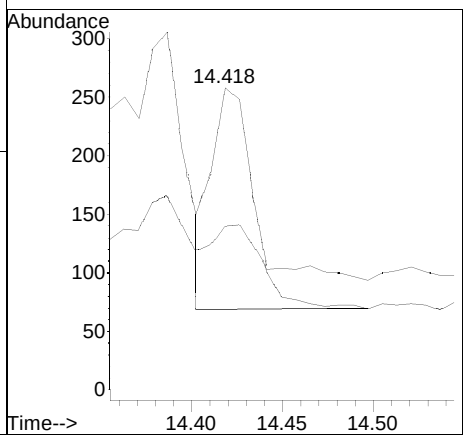


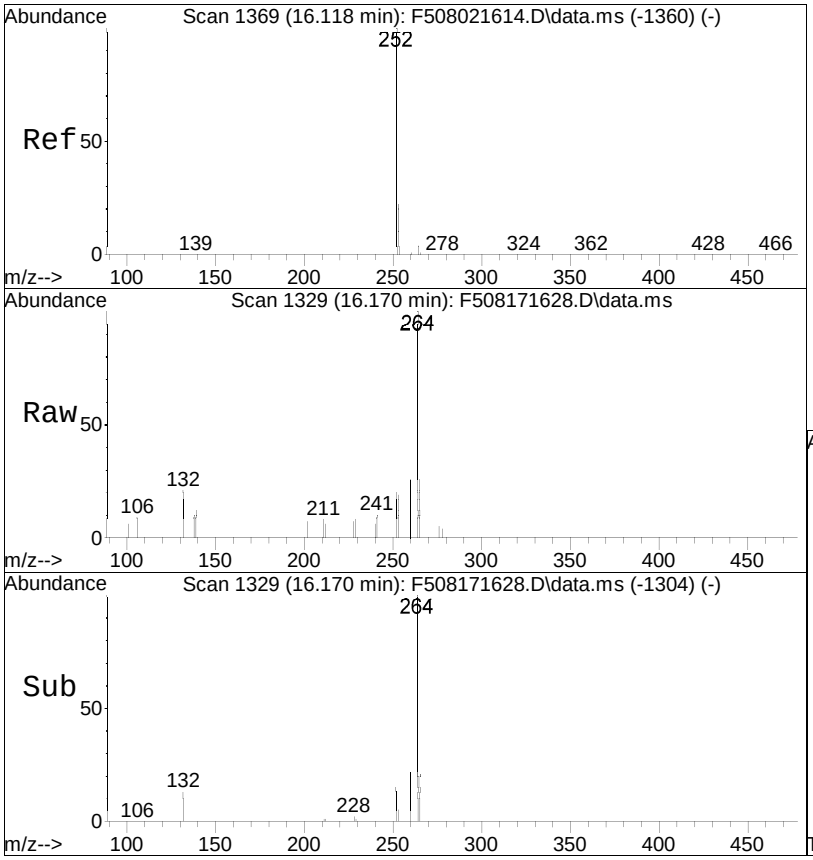


#28
Chrysene
Concen: 1.07 ng/mL
RT: 14.418 min Scan# 1107
Delta R.T. -0.008 min
Lab File: F508171628.D
Acq: 18 Aug 2016 4:29 am

Tgt Ion:228 Resp: 302

Ion	Ratio	Lower	Upper
228	100		
229	53.9	15.6	23.4#

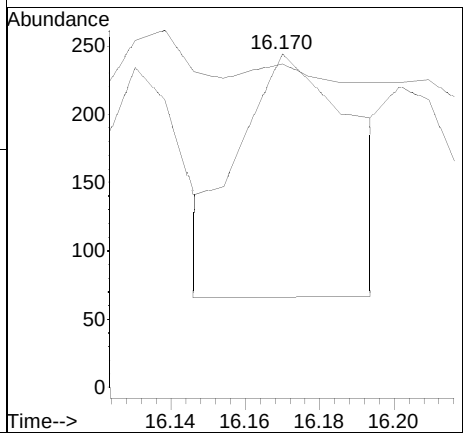


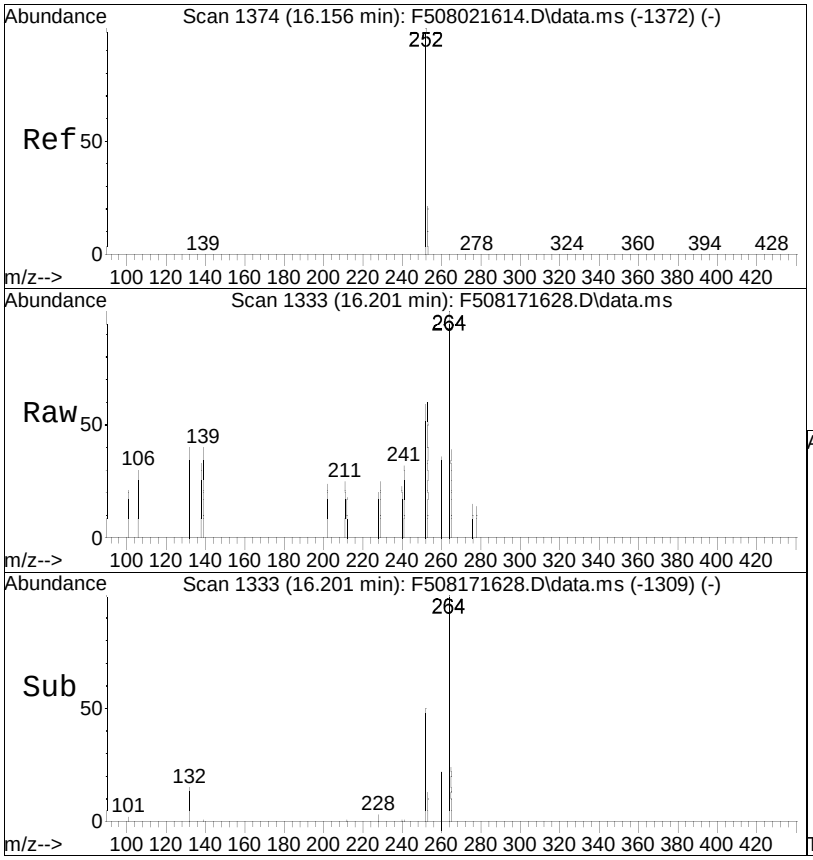


#32
Benzo[b]fluoranthene
Concen: 1.20 ng/mL M4
RT: 16.170 min Scan# 1329
Delta R.T. -0.000 min
Lab File: F508171628.D
Acq: 18 Aug 2016 4:29 am

Tgt Ion:252 Resp: 383

Ion	Ratio	Lower	Upper
252	100		
253	97.1	17.4	26.0#

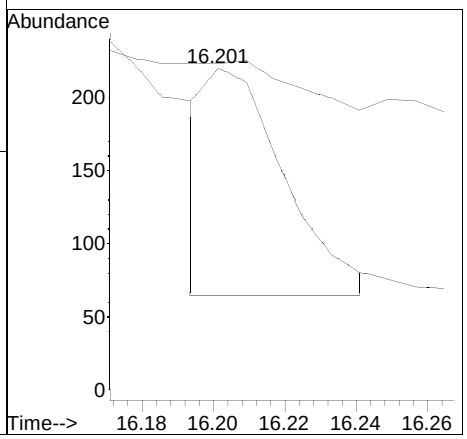


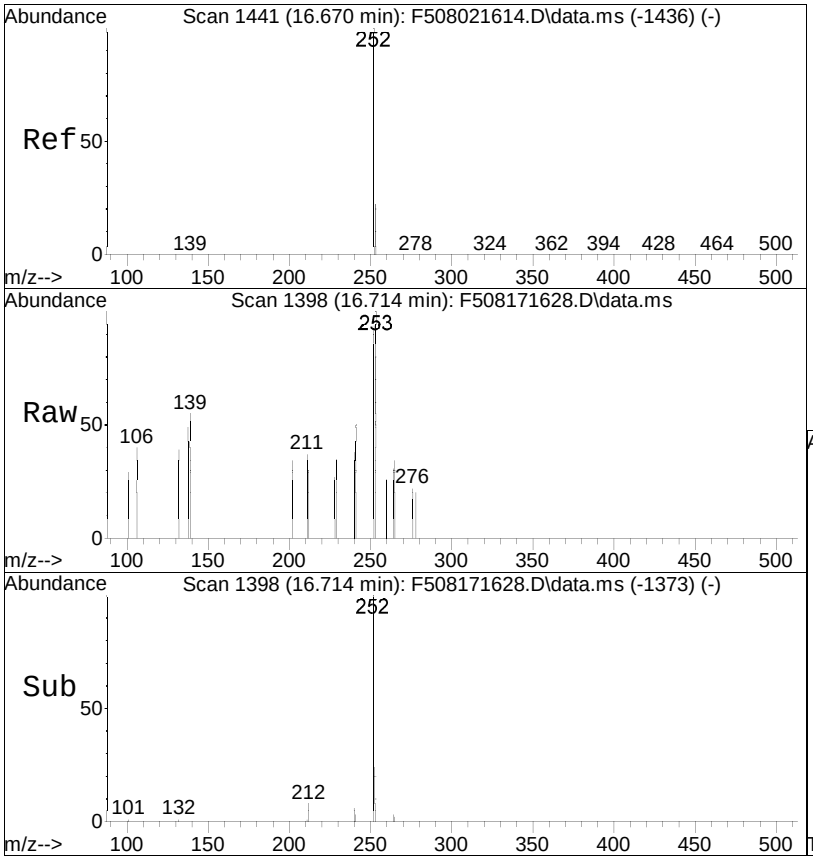


#33
Benzo[k]fluoranthene
Concen: 0.87 ng/mL M4
RT: 16.201 min Scan# 1333
Delta R.T. -0.008 min
Lab File: F508171628.D
Acq: 18 Aug 2016 4:29 am

Tgt Ion:252 Resp: 233

Ion	Ratio	Lower	Upper
252	100		
253	101.4	17.4	26.0#

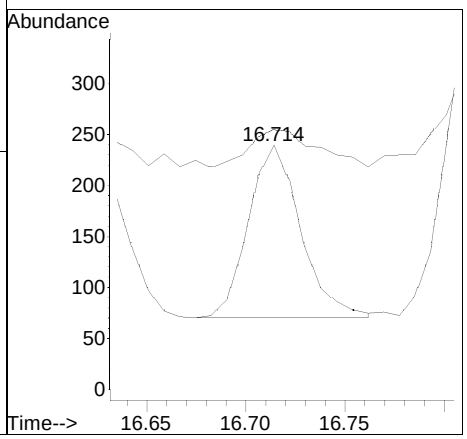


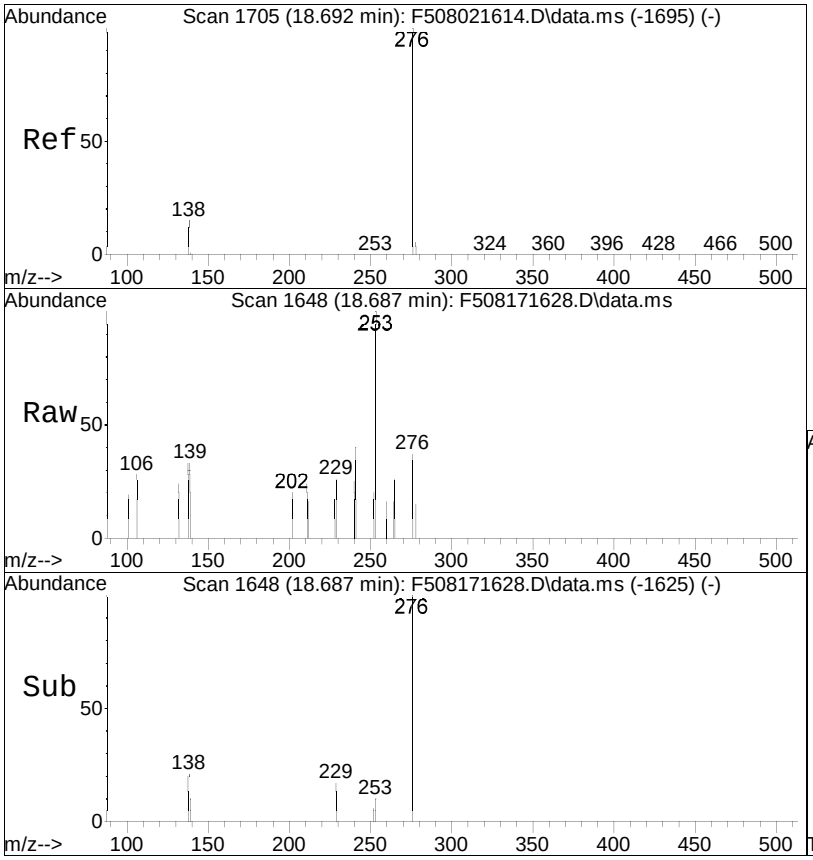


#35
Benzo[a]pyrene
Concen: 1.09 ng/mL
RT: 16.714 min Scan# 1398
Delta R.T. -0.000 min
Lab File: F508171628.D
Acq: 18 Aug 2016 4:29 am

Tgt Ion:252 Resp: 306

Ion	Ratio	Lower	Upper
252	100		
253	106.7	17.4	26.2#

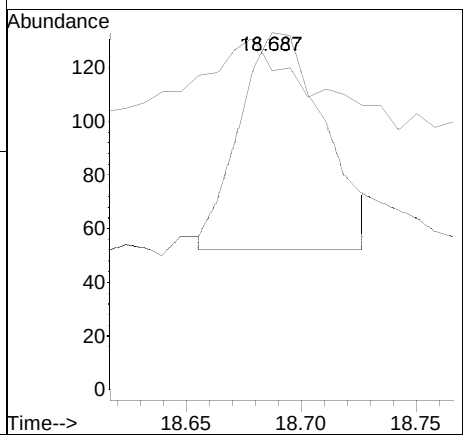


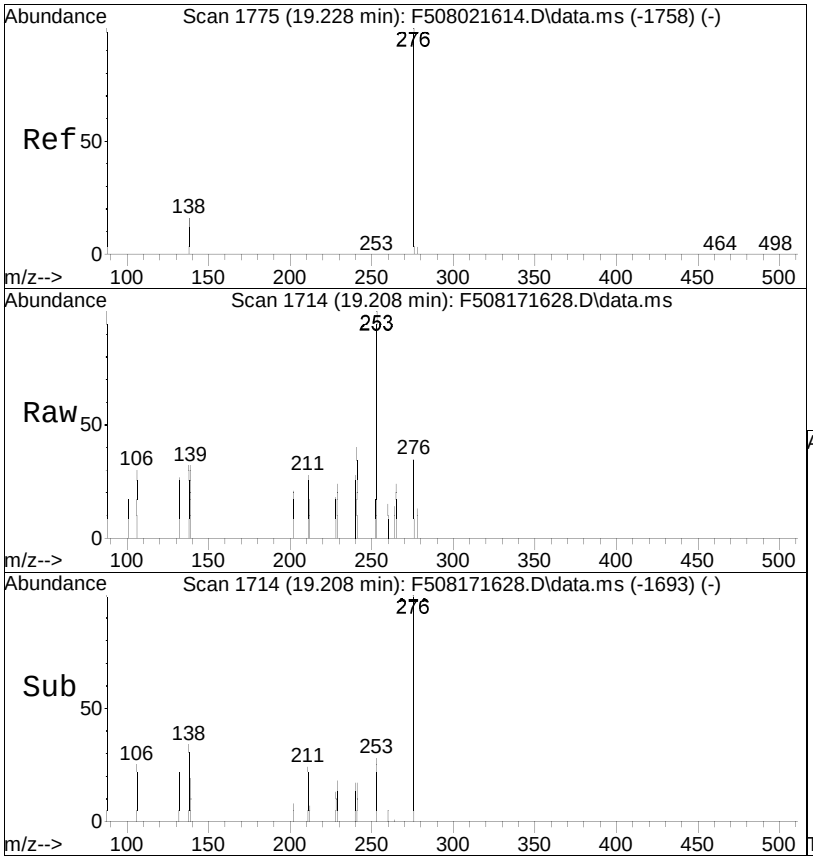


#37
Indeno[1,2,3-cd]pyrene
Concen: 0.70 ng/mL M4
RT: 18.687 min Scan# 1648
Delta R.T. -0.008 min
Lab File: F508171628.D
Acq: 18 Aug 2016 4:29 am

Tgt Ion:276 Resp: 209

Ion	Ratio	Lower	Upper
276	100		
138	89.5	21.4	32.2#

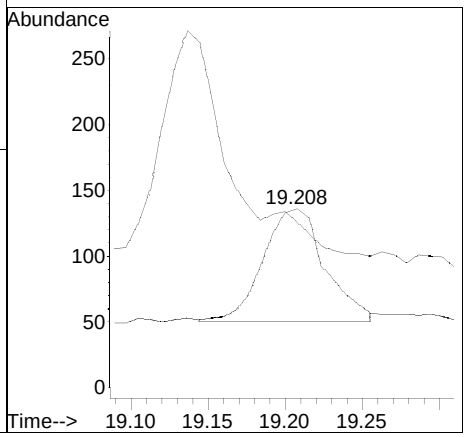




#39
Benzo[g,h,i]perylene
Concen: 0.79 ng/mL M4
RT: 19.208 min Scan# 1714
Delta R.T. -0.000 min
Lab File: F508171628.D
Acq: 18 Aug 2016 4:29 am

Tgt Ion:276 Resp: 241

Ion	Ratio	Lower	Upper
276	100		
138	92.6	33.5	50.3#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171629.D
Acq On : 18 Aug 2016 5:03 am
Operator : PAH5:DP
Sample : L1625236-10
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 18 12:54:32 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.946	136	130916	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.682	164	65071	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.122	188	133846	500.000	ng/mL	0.00
24) Chrysene-d12	14.387	240	137656	500.000	ng/mL	0.00
29) Perylene-d12	16.809	264	137646	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.611	152	54843	361.107	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 7.22%#			
25) Pyrene-d10	12.643	212	99013	409.657	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.19%#			
31) Benzo[b]fluoranthene-d12	16.131	264	97937	406.854	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.14%#			
Target Compounds						Qvalue
2) Naphthalene	7.960	128	3437M4	12.455	ng/mL	
5) 2-Methylnaphthalene	8.640	142	242M4	1.466	ng/mL	
12) Acenaphthylene	9.532	152	216	0.732	ng/mL#	27
13) Acenaphthene	9.713	153	275M4	1.540	ng/mL	
15) Fluorene	10.209	166	519M4	2.564	ng/mL	
19) Phenanthrene	11.146	178	1467	4.720	ng/mL#	75
20) Anthracene	11.185	178	237	0.794	ng/mL#	1
23) Fluoranthene	12.390	202	1215	3.578	ng/mL#	80
26) Pyrene	12.659	202	1069	2.858	ng/mL#	77
27) Benz[a]anthracene	14.355	228	264M4	0.781	ng/mL	
28) Chrysene	14.418	228	304	0.953	ng/mL#	15
32) Benzo[b]fluoranthene	16.170	252	286M4	0.781	ng/mL	
33) Benzo[k]fluoranthene	16.202	252	316M4	1.033	ng/mL	
35) Benzo[a]pyrene	16.714	252	311	0.969	ng/mL#	1
37) Indeno[1,2,3-cd]pyrene	18.687	276	230M4	0.675	ng/mL	
38) Dibenz[a,h]anthracene	0.000		0	N.D.	d	
39) Benzo[g,h,i]perylene	19.200	276	238	0.683	ng/mL#	9

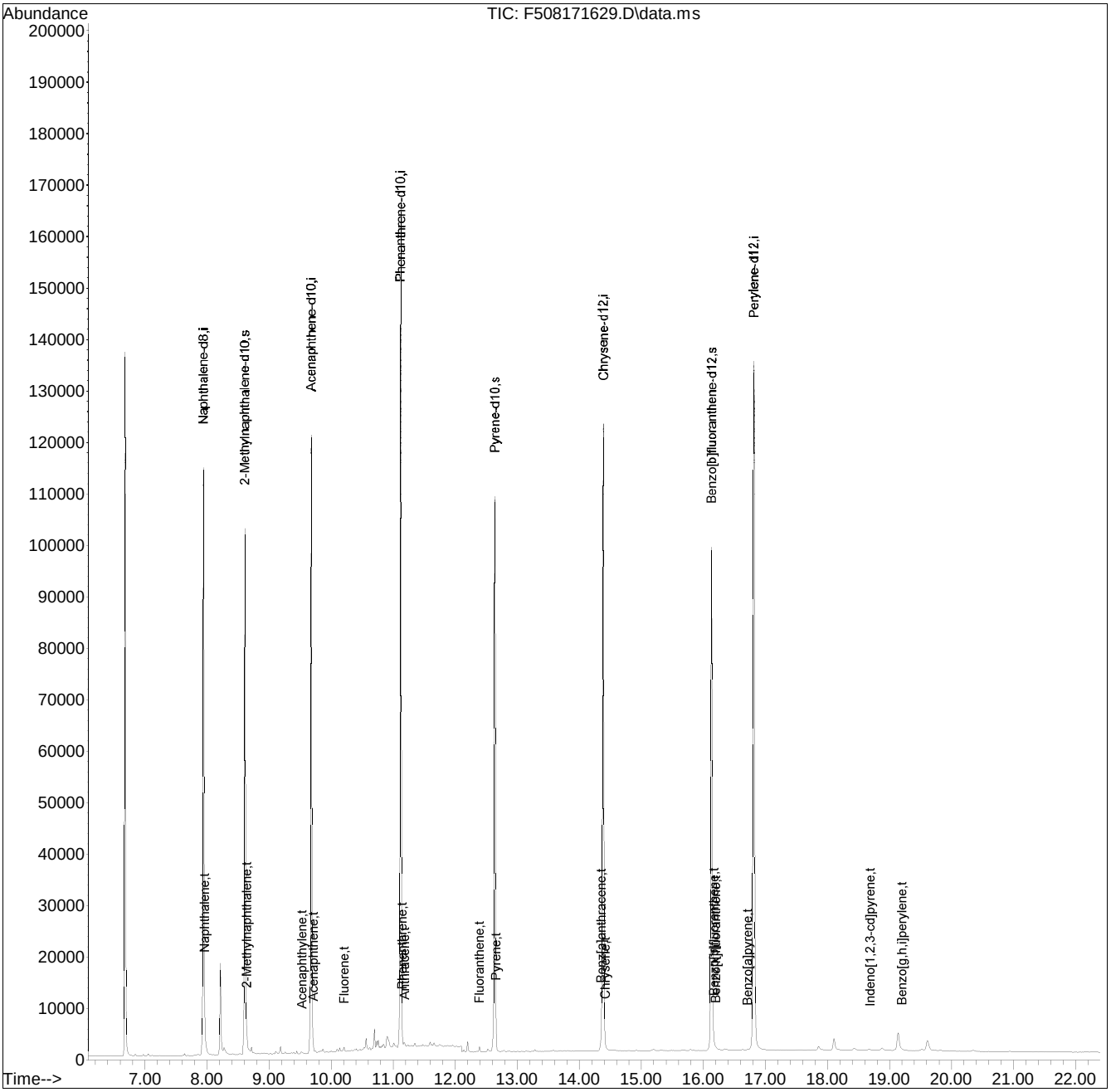
(#) = qualifier out of range (m) = manual integration (+) = signals summed

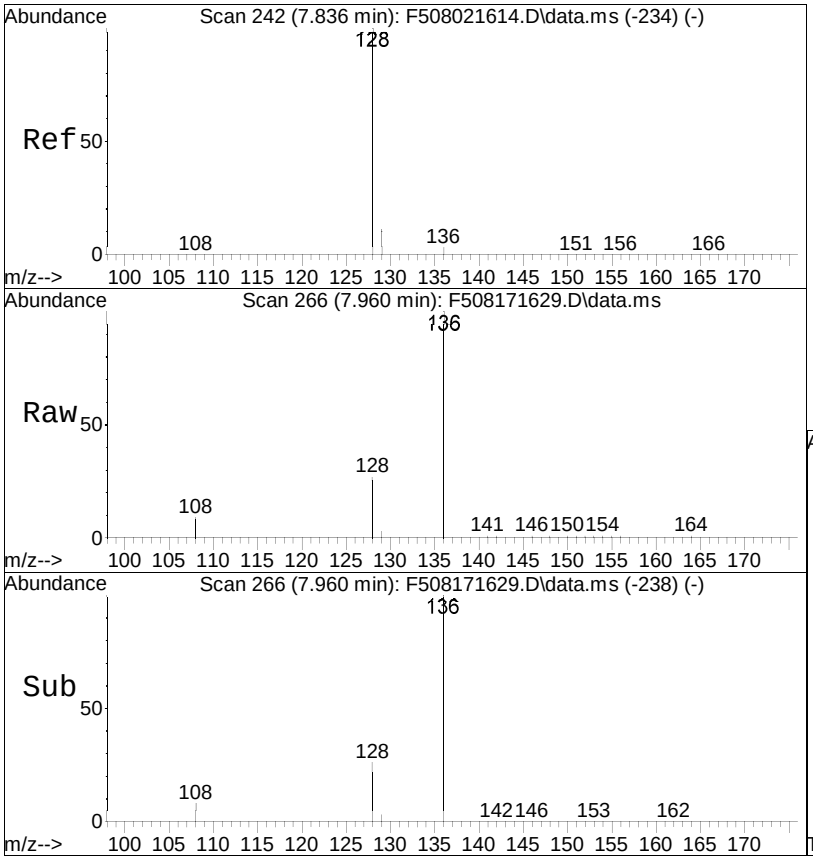
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171629.D
Acq On : 18 Aug 2016 5:03 am
Operator : PAH5:DP
Sample : L1625236-10
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 18 12:54:32 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

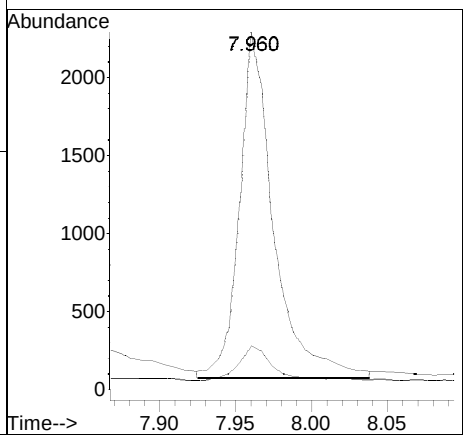


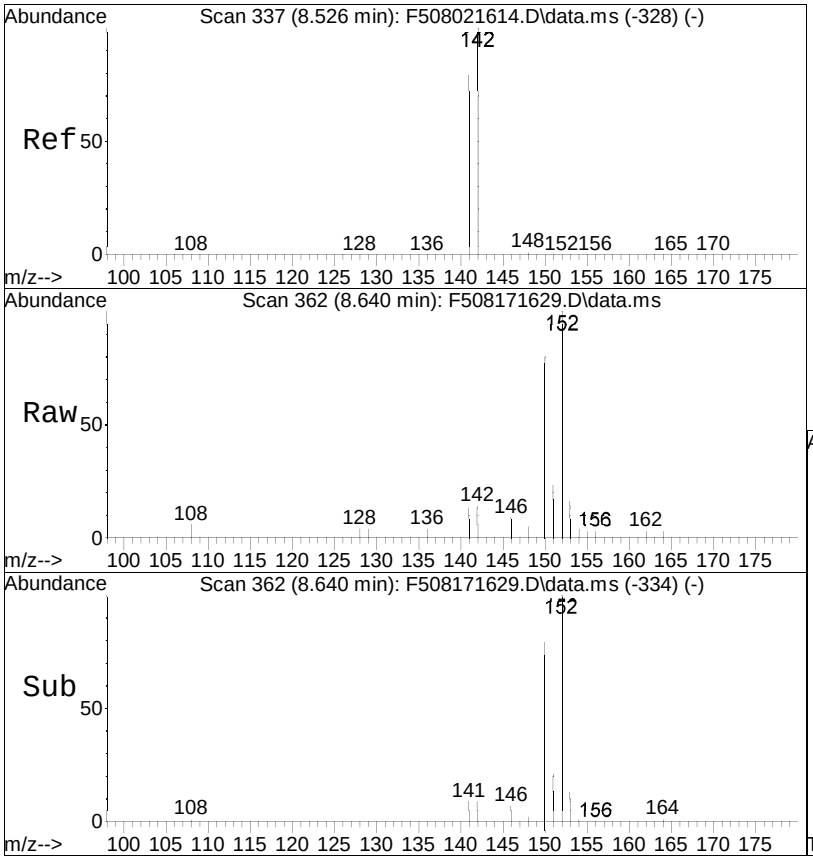


#2
Naphthalene
Concen: 12.46 ng/mL M4
RT: 7.960 min Scan# 266
Delta R.T. 0.000 min
Lab File: F508171629.D
Acq: 18 Aug 2016 5:03 am

Tgt Ion:128 Resp: 3437

Ion	Ratio	Lower	Upper
128	100		
129	12.2	8.6	13.0

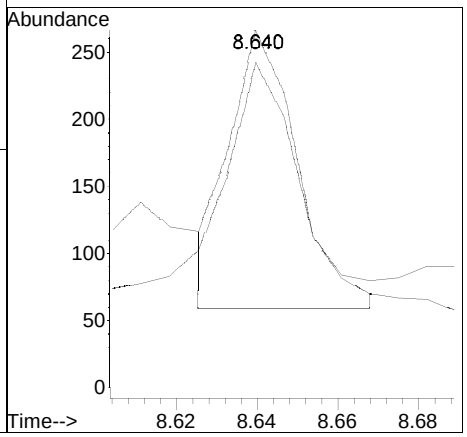


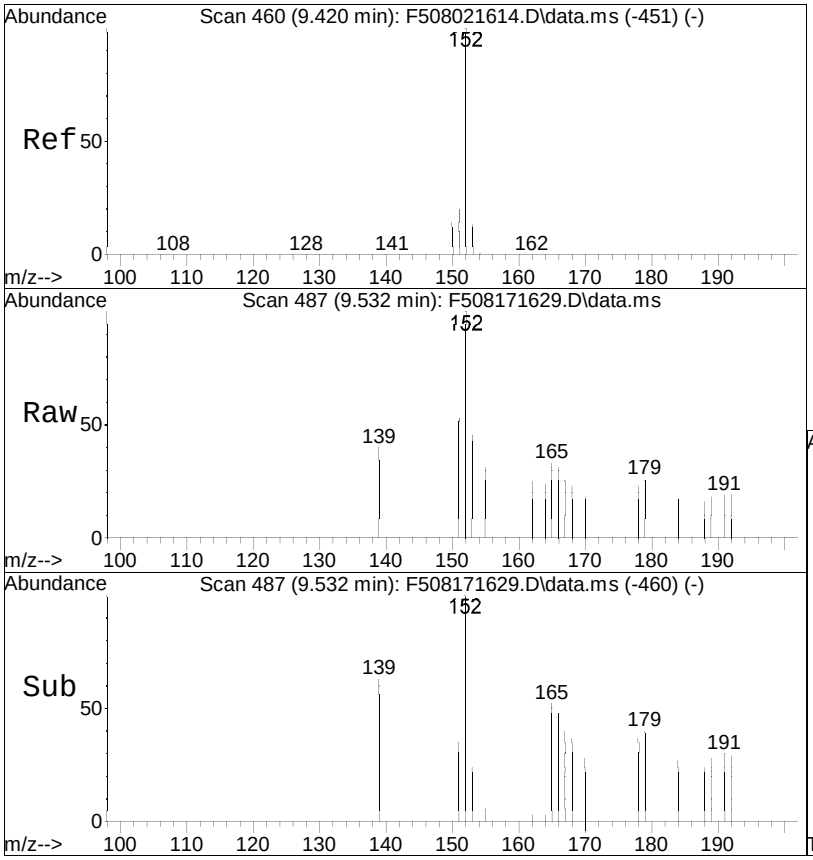


#5
2-Methylnaphthalene
Concen: 1.47 ng/mL M4
RT: 8.640 min Scan# 362
Delta R.T. 0.000 min
Lab File: F508171629.D
Acq: 18 Aug 2016 5:03 am

Tgt Ion:142 Resp: 242

Ion	Ratio	Lower	Upper
142	100		
141	91.0	68.5	102.7

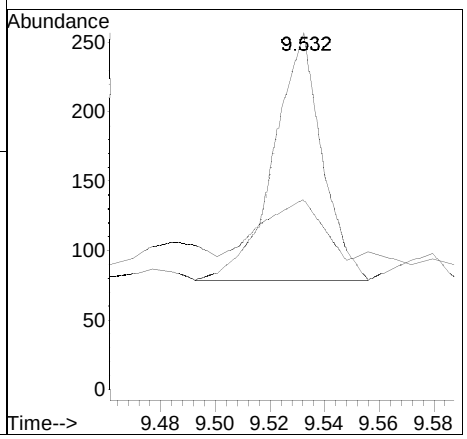


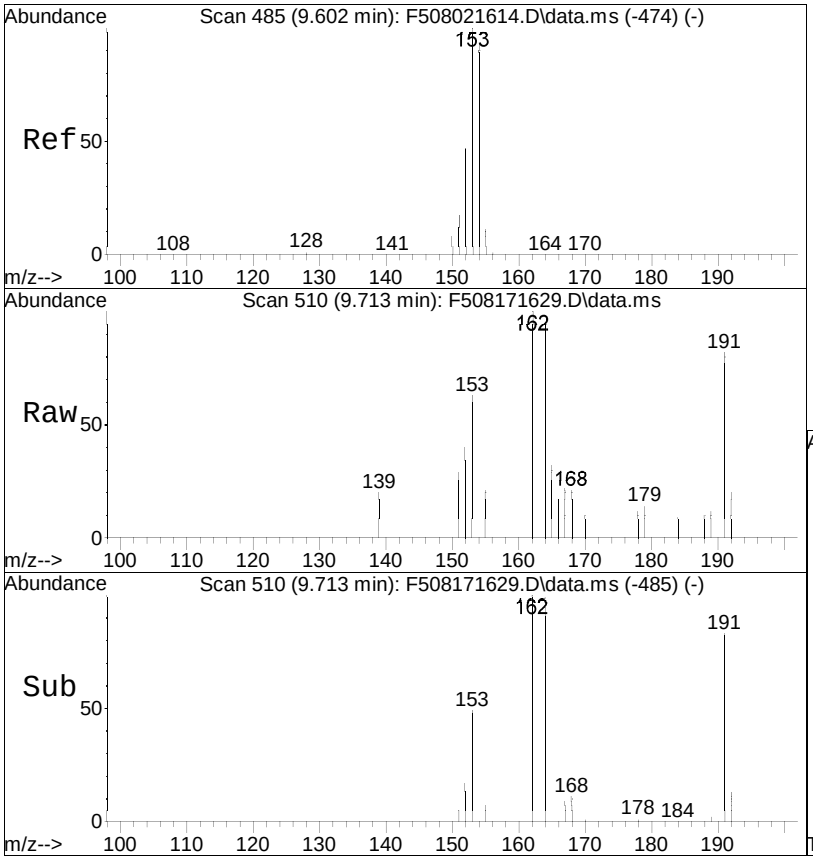


#12
Acenaphthylene
Concen: 0.73 ng/mL
RT: 9.532 min Scan# 487
Delta R.T. 0.000 min
Lab File: F508171629.D
Acq: 18 Aug 2016 5:03 am

Tgt Ion:152 Resp: 216

Ion	Ratio	Lower	Upper
152	100		
151	53.3	15.9	23.9#

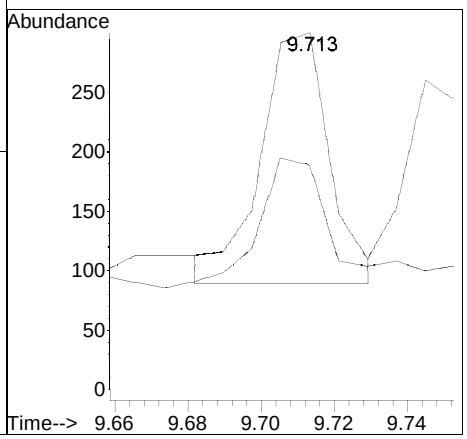


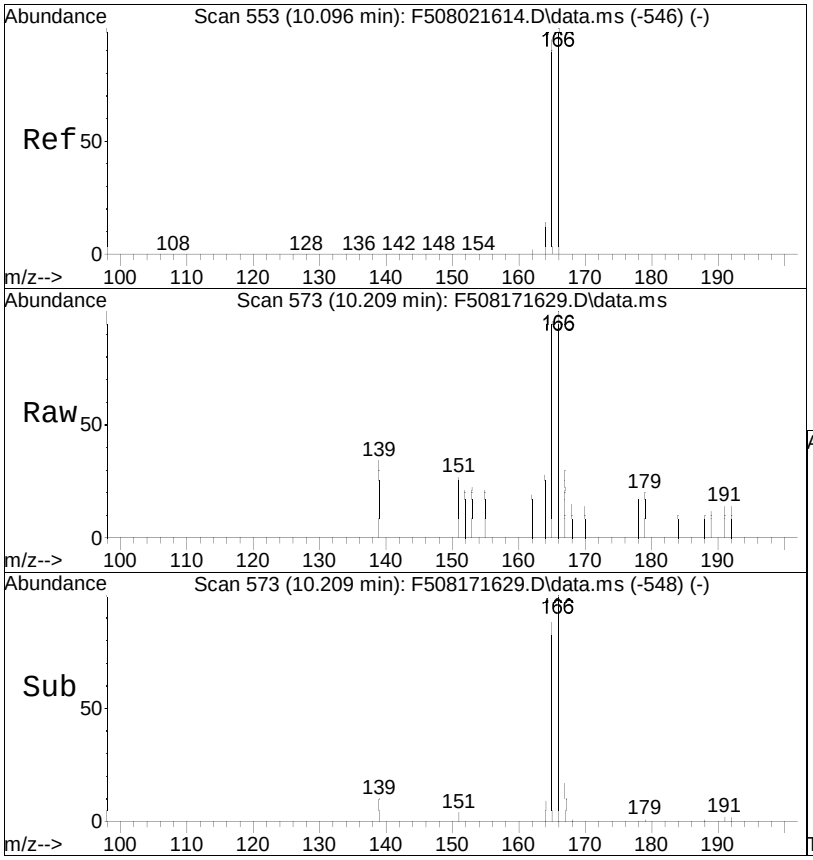


#13
Acenaphthene
Concen: 1.54 ng/mL M4
RT: 9.713 min Scan# 510
Delta R.T. 0.000 min
Lab File: F508171629.D
Acq: 18 Aug 2016 5:03 am

Tgt Ion:153 Resp: 275

Ion	Ratio	Lower	Upper
153	100		
152	63.0	38.0	57.0#

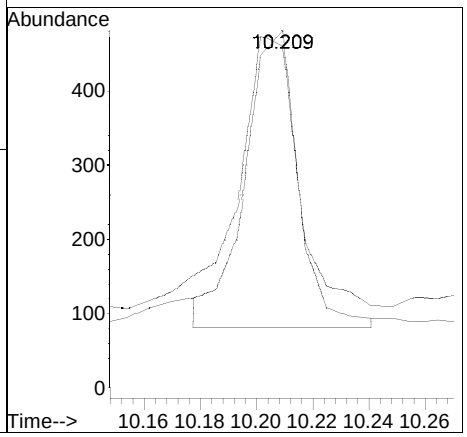


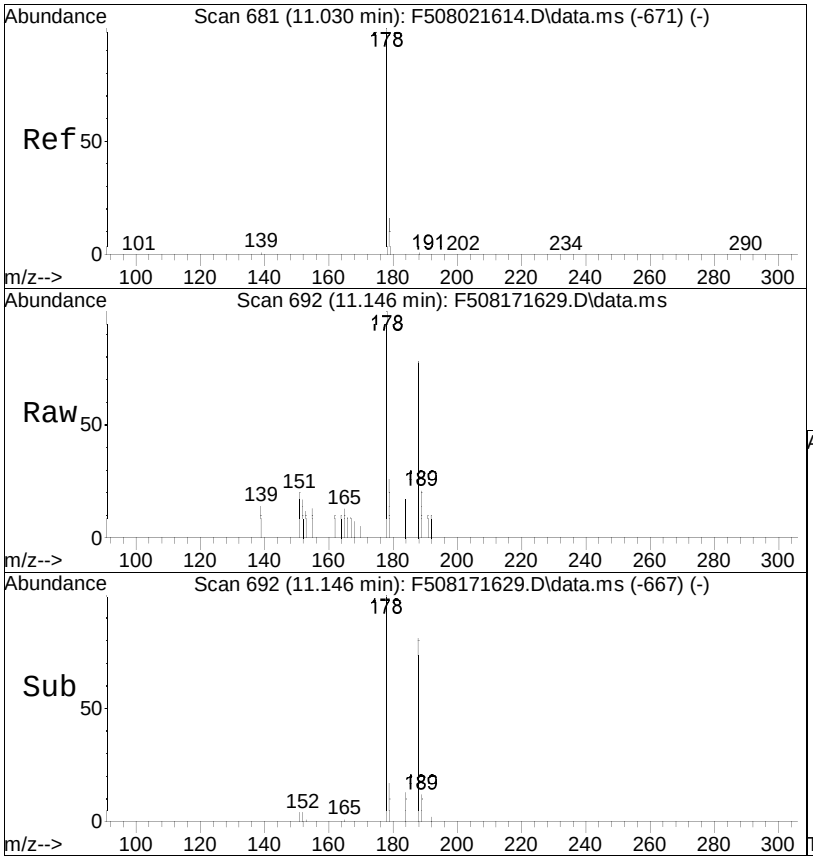


#15
Fluorene
Concen: 2.56 ng/mL M4
RT: 10.209 min Scan# 573
Delta R.T. 0.000 min
Lab File: F508171629.D
Acq: 18 Aug 2016 5:03 am

Tgt Ion:166 Resp: 519

Ion	Ratio	Lower	Upper
166	100		
165	95.8	72.8	109.2

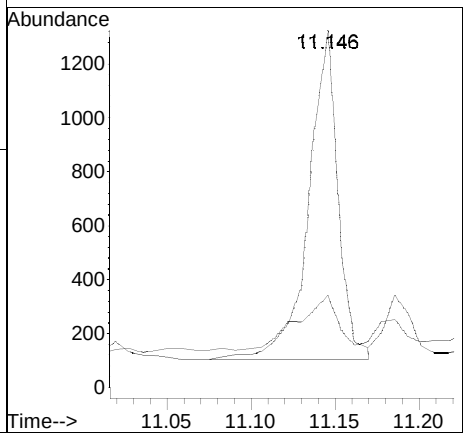


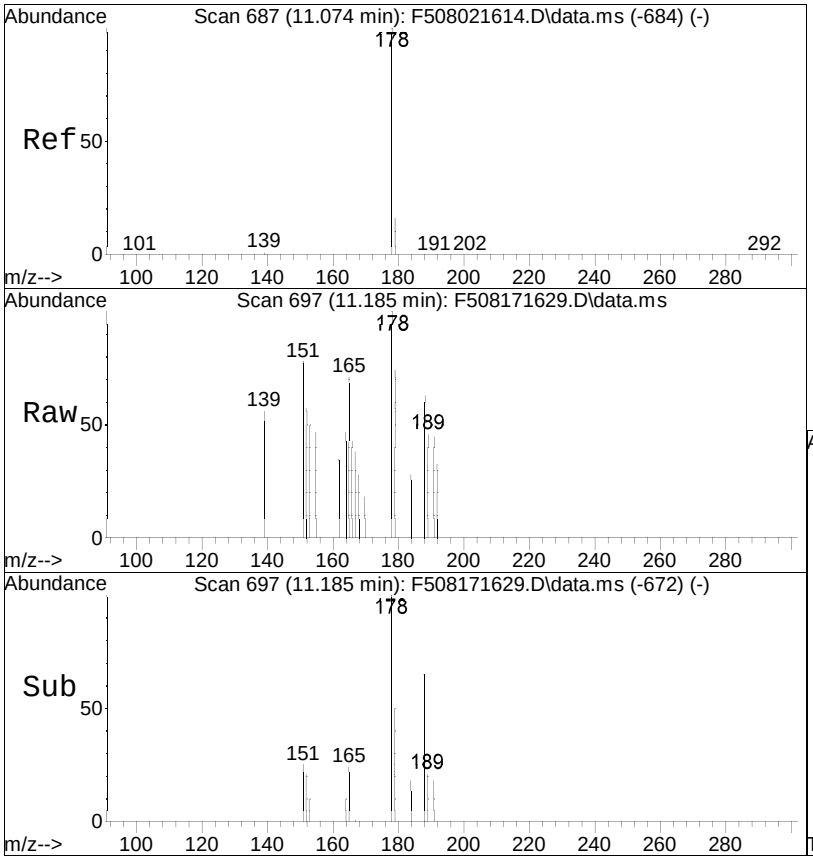


#19
Phenanthrene
Concen: 4.72 ng/mL
RT: 11.146 min Scan# 692
Delta R.T. 0.000 min
Lab File: F508171629.D
Acq: 18 Aug 2016 5:03 am

Tgt Ion:178 Resp: 1467

Ion	Ratio	Lower	Upper
178	100		
179	25.9	12.3	18.5#

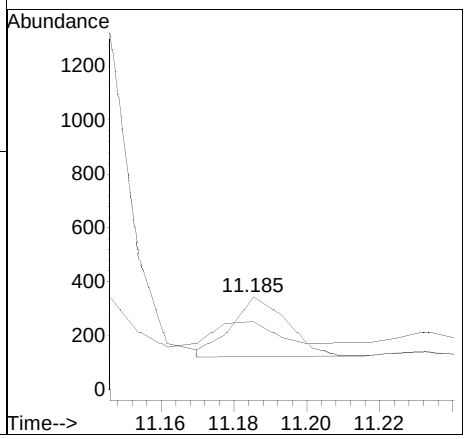


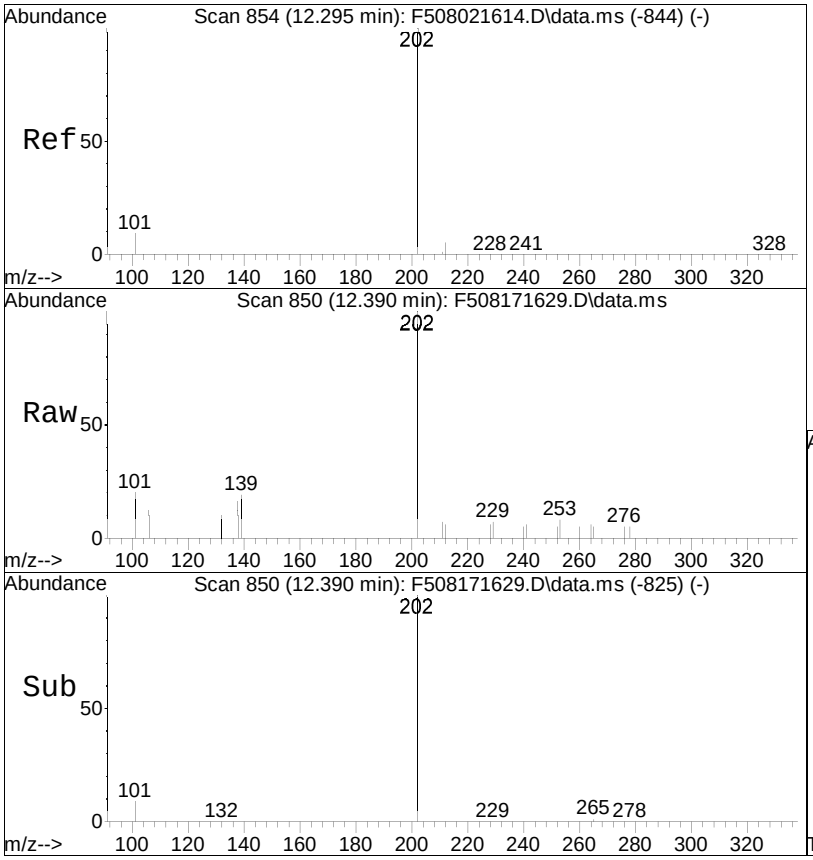


#20
Anthracene
Concen: 0.79 ng/mL
RT: 11.185 min Scan# 697
Delta R.T. 0.000 min
Lab File: F508171629.D
Acq: 18 Aug 2016 5:03 am

Tgt Ion:178 Resp: 237

Ion	Ratio	Lower	Upper
178	100		
179	73.8	12.1	18.1#

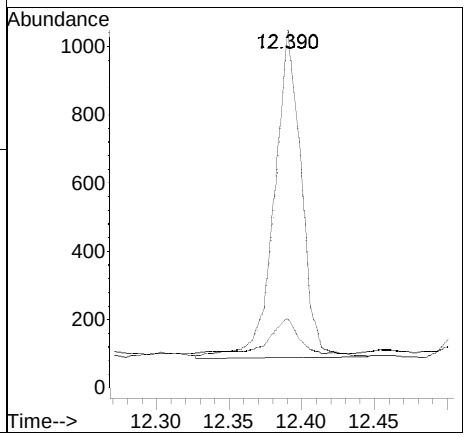


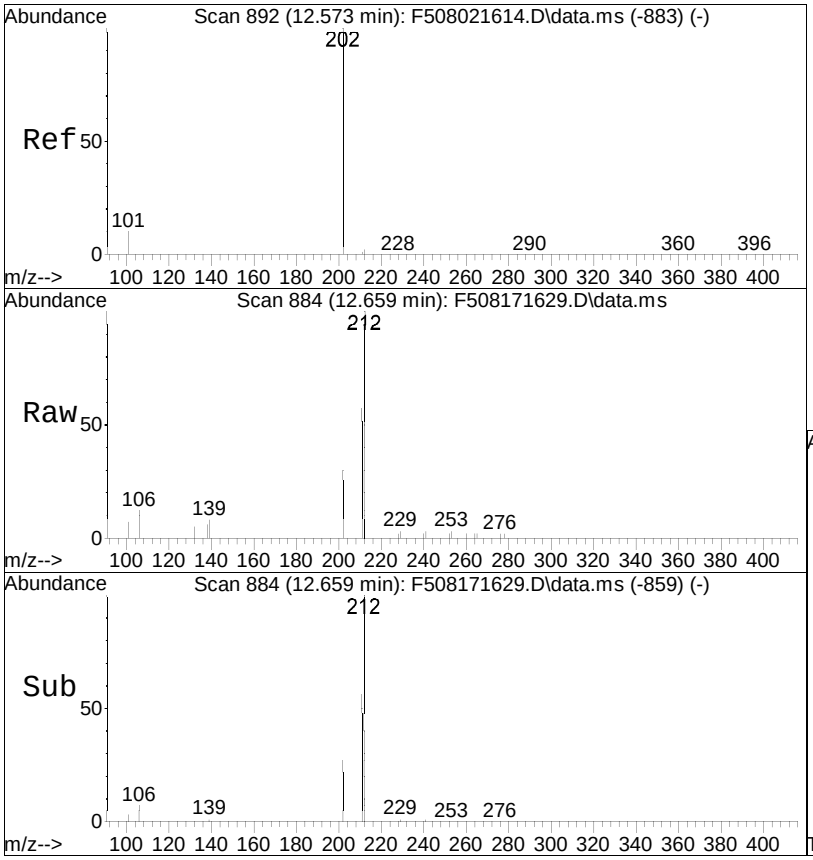


#23
Fluoranthene
Concen: 3.58 ng/mL
RT: 12.390 min Scan# 850
Delta R.T. 0.000 min
Lab File: F508171629.D
Acq: 18 Aug 2016 5:03 am

Tgt Ion:202 Resp: 1215

Ion	Ratio	Lower	Upper
202	100		
101	19.6	9.6	14.4#

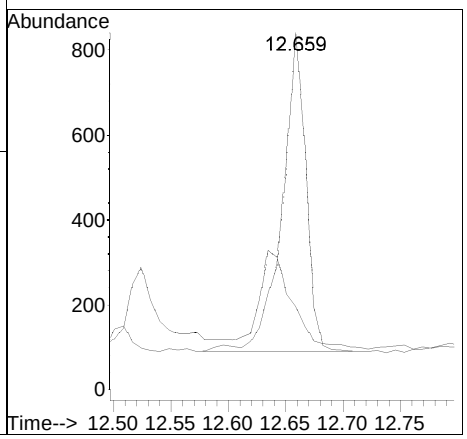


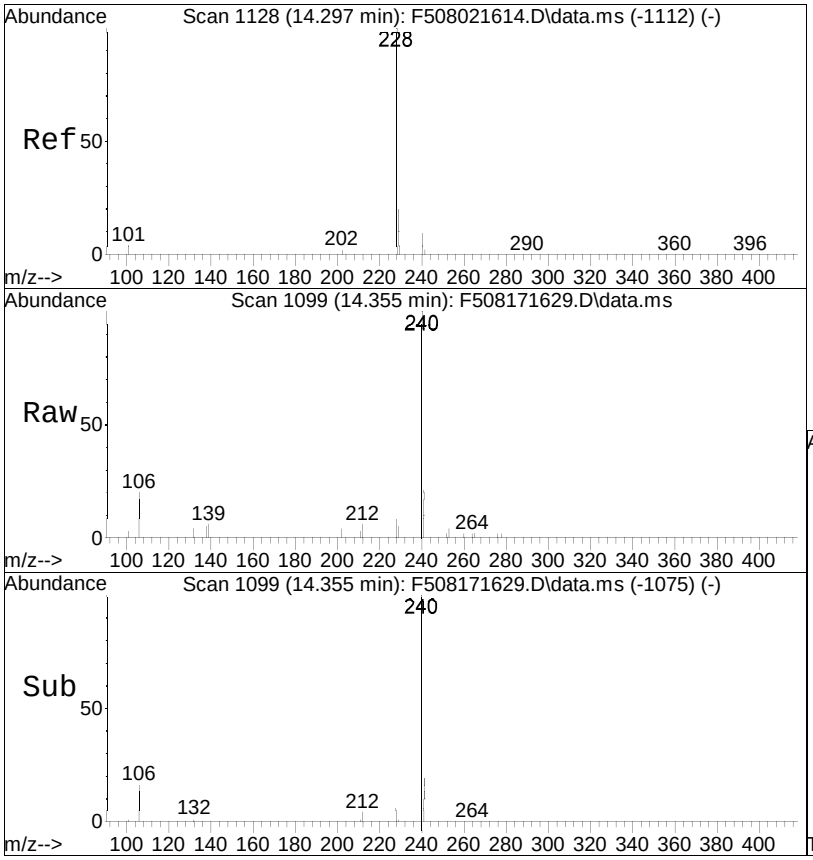


#26
Pyrene
Concen: 2.86 ng/mL
RT: 12.659 min Scan# 884
Delta R.T. 0.000 min
Lab File: F508171629.D
Acq: 18 Aug 2016 5:03 am

Tgt Ion:202 Resp: 1069

Ion	Ratio	Lower	Upper
202	100		
101	23.4	11.4	17.0#

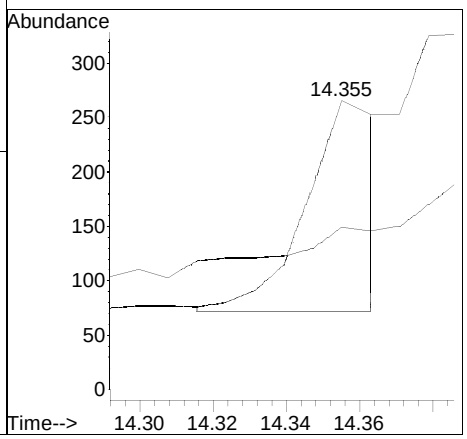


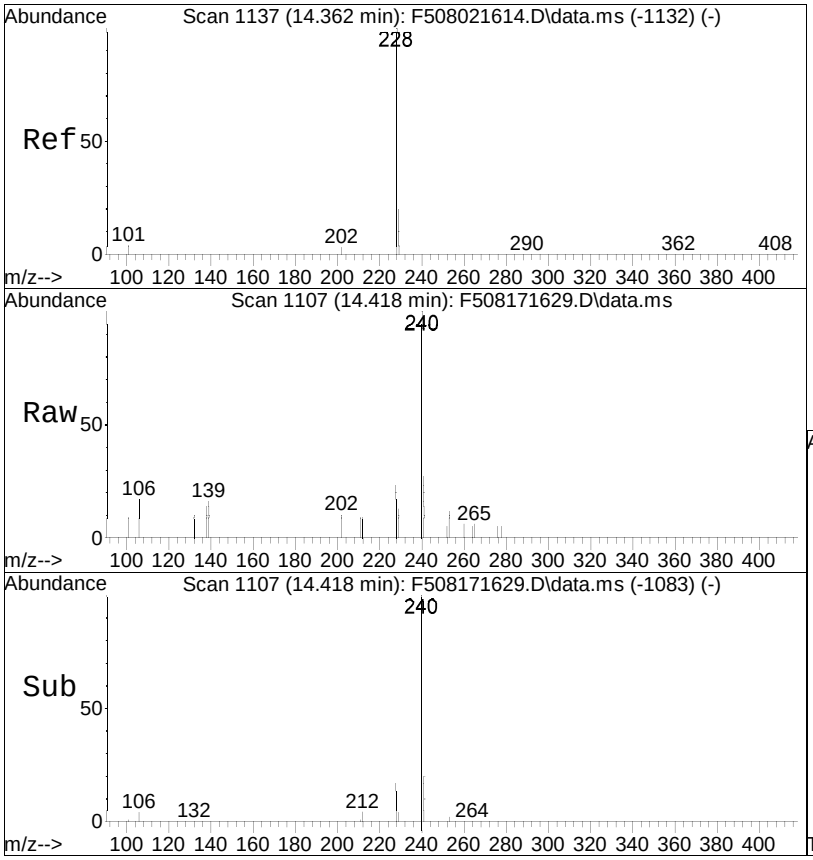


#27
Benz[a]anthracene
Concen: 0.78 ng/mL M4
RT: 14.355 min Scan# 1099
Delta R.T. -0.008 min
Lab File: F508171629.D
Acq: 18 Aug 2016 5:03 am

Tgt Ion:228 Resp: 264

Ion	Ratio	Lower	Upper
228	100		
229	56.2	15.4	23.0#

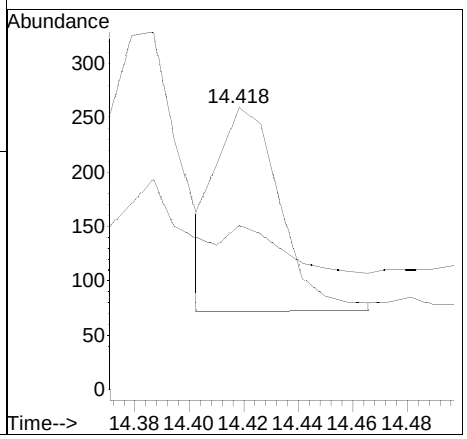


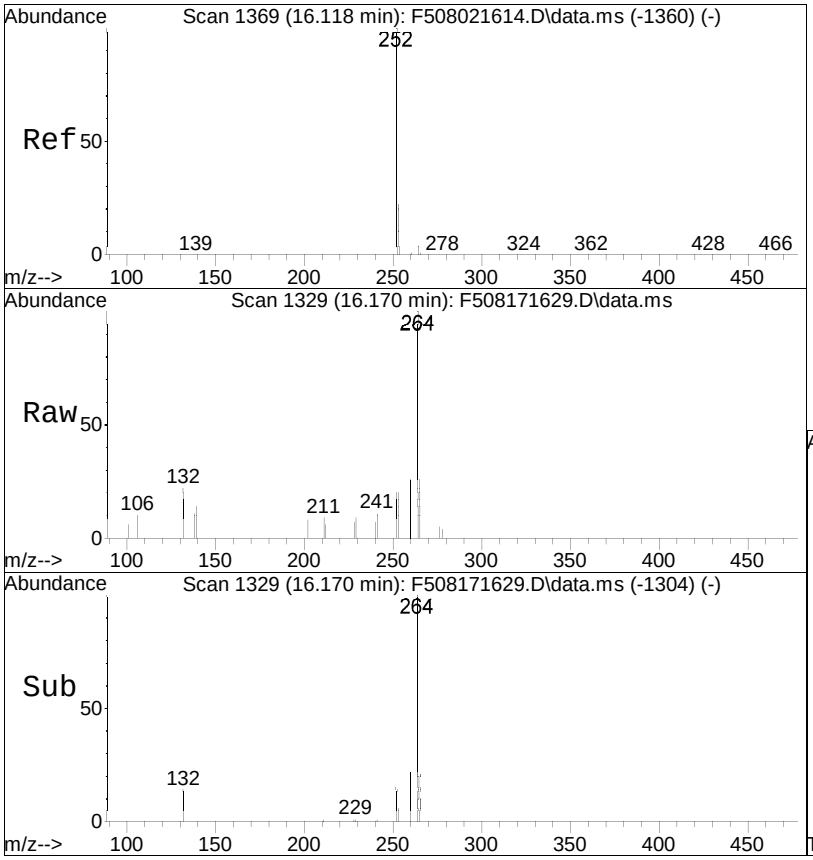


#28
Chrysene
Concen: 0.95 ng/mL
RT: 14.418 min Scan# 1107
Delta R.T. -0.008 min
Lab File: F508171629.D
Acq: 18 Aug 2016 5:03 am

Tgt Ion:228 Resp: 304

Ion	Ratio	Lower	Upper
228	100		
229	58.3	15.6	23.4#

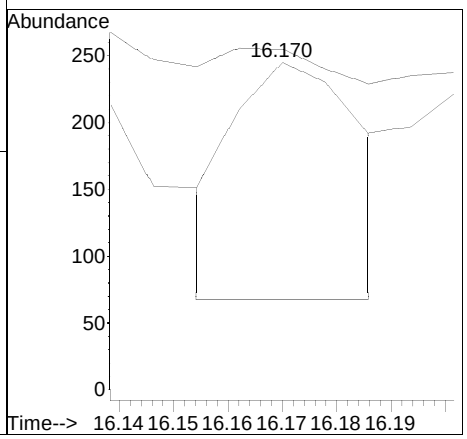


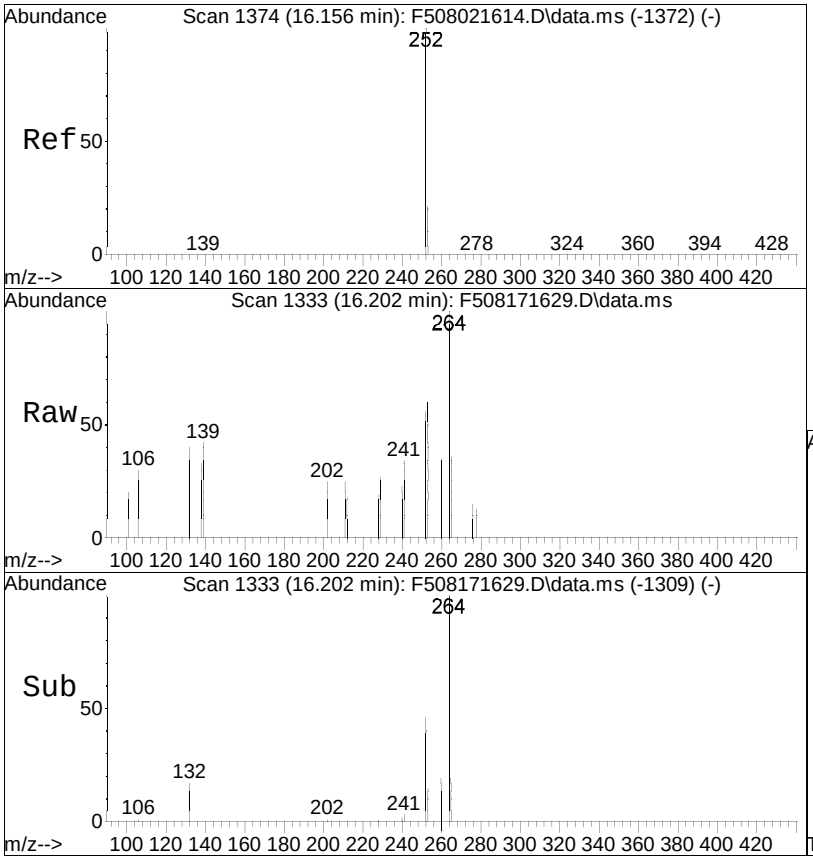


#32
Benzo[b]fluoranthene
Concen: 0.78 ng/mL M4
RT: 16.170 min Scan# 1329
Delta R.T. 0.000 min
Lab File: F508171629.D
Acq: 18 Aug 2016 5:03 am

Tgt Ion:252 Resp: 286

Ion	Ratio	Lower	Upper
252	100		
253	104.1	17.4	26.0#

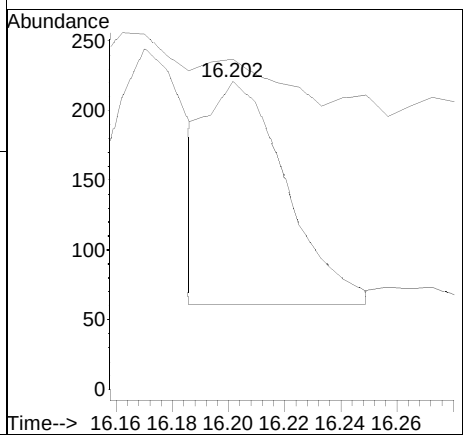


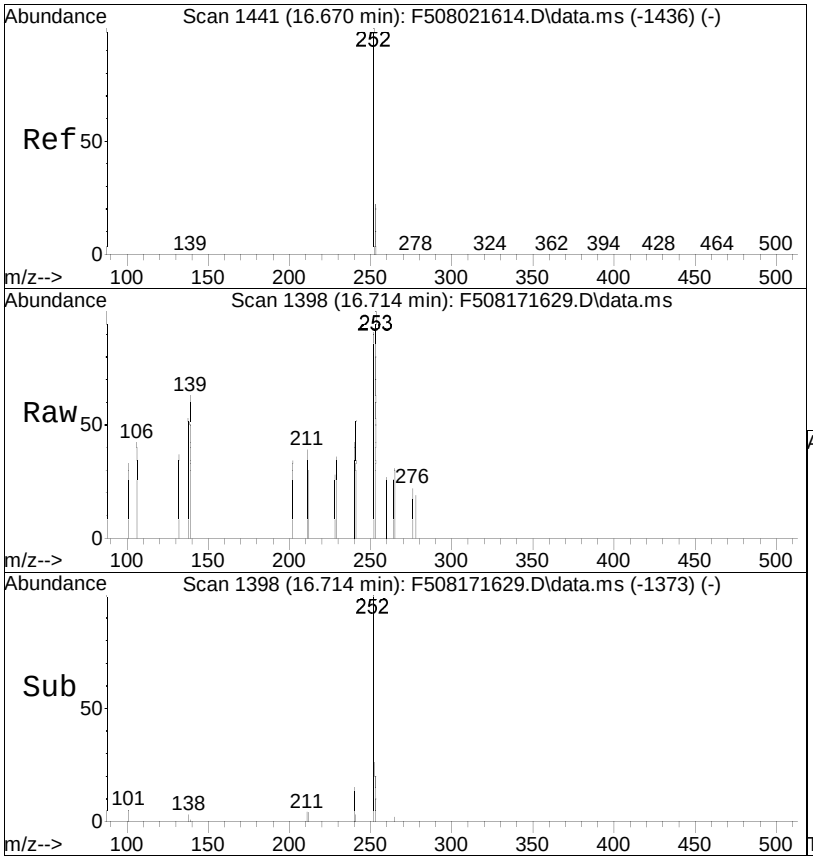


#33
Benzo[k]fluoranthene
Concen: 1.03 ng/mL M4
RT: 16.202 min Scan# 1333
Delta R.T. -0.008 min
Lab File: F508171629.D
Acq: 18 Aug 2016 5:03 am

Tgt Ion:252 Resp: 316

Ion	Ratio	Lower	Upper
252	100		
253	107.2	17.4	26.0#

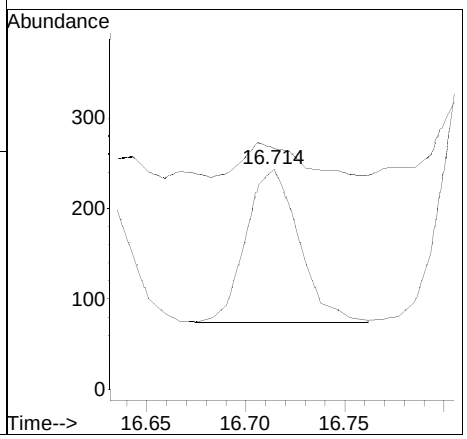


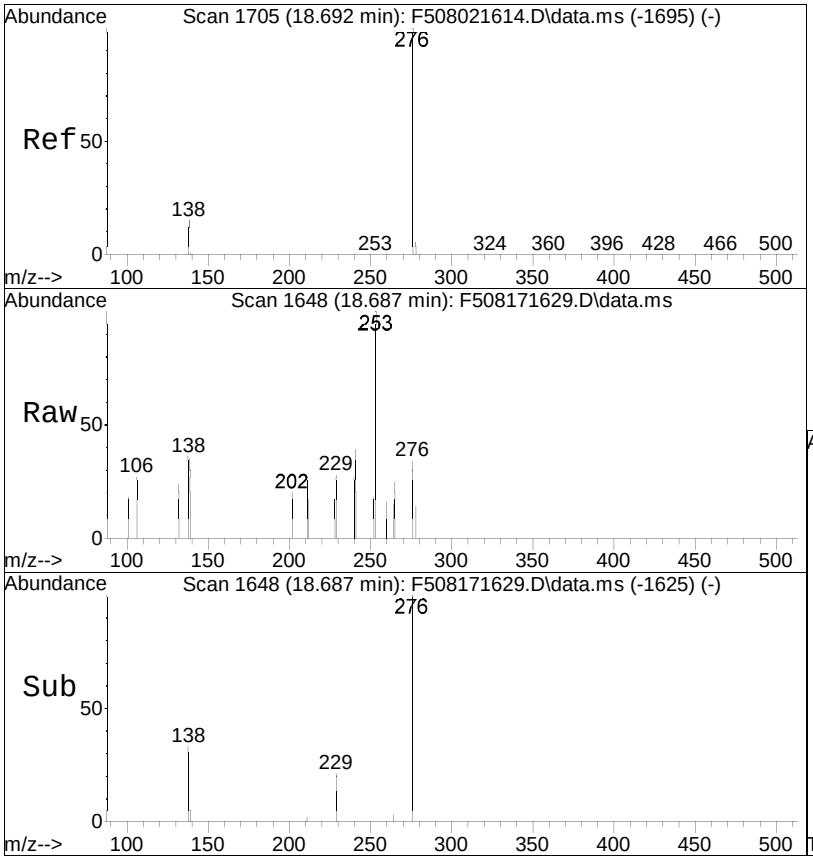


#35
Benzo[a]pyrene
Concen: 0.97 ng/mL
RT: 16.714 min Scan# 1398
Delta R.T. 0.000 min
Lab File: F508171629.D
Acq: 18 Aug 2016 5:03 am

Tgt Ion:252 Resp: 311

Ion	Ratio	Lower	Upper
252	100		
253	109.4	17.4	26.2#

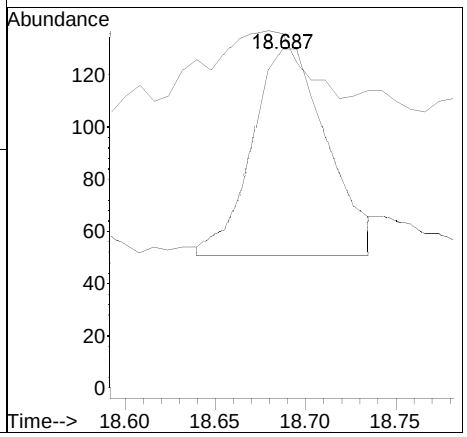


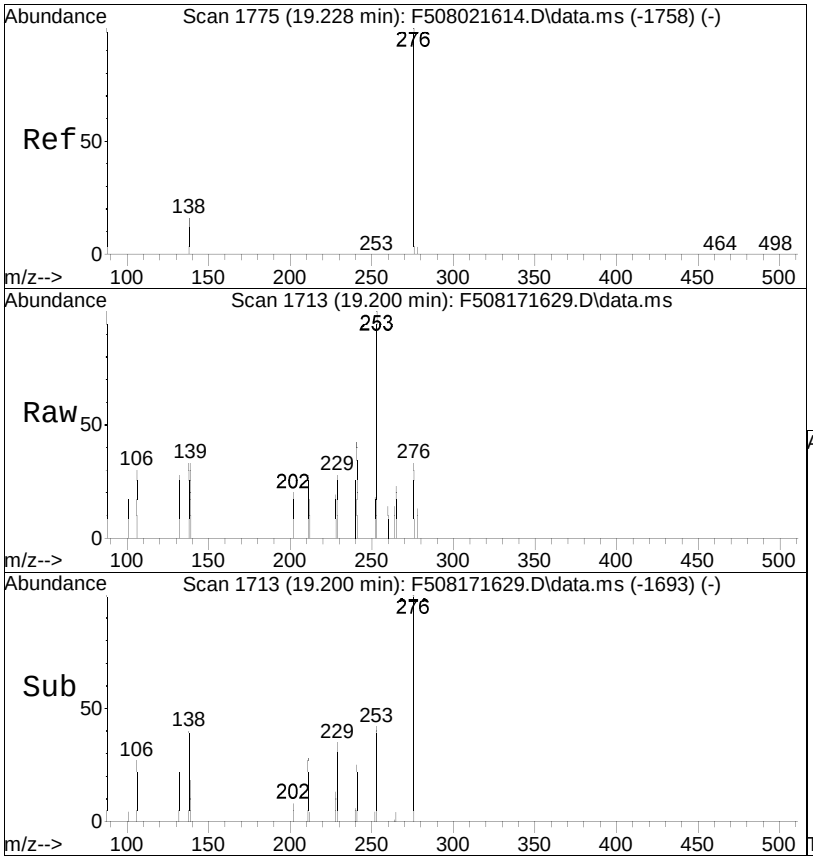


#37
Indeno[1,2,3-cd]pyrene
Concen: 0.67 ng/mL M4
RT: 18.687 min Scan# 1648
Delta R.T. -0.008 min
Lab File: F508171629.D
Acq: 18 Aug 2016 5:03 am

Tgt Ion:276 Resp: 230

Ion	Ratio	Lower	Upper
276	100		
138	104.6	21.4	32.2#

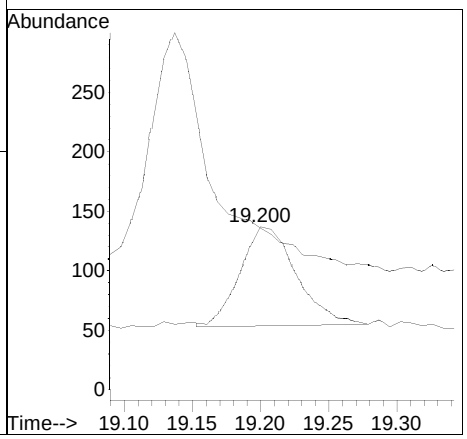




#39
Benzo[g,h,i]perylene
Concen: 0.68 ng/mL
RT: 19.200 min Scan# 1713
Delta R.T. -0.008 min
Lab File: F508171629.D
Acq: 18 Aug 2016 5:03 am

Tgt Ion:276 Resp: 238

Ion	Ratio	Lower	Upper
276	100		
138	99.3	33.5	50.3#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171630.D
Acq On : 18 Aug 2016 5:37 am
Operator : PAH5:DP
Sample : L1625236-11
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 18 12:56:47 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.939	136	126137	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.682	164	62265	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.122	188	124805	500.000	ng/mL	0.00
24) Chrysene-d12	14.387	240	128015	500.000	ng/mL	0.00
29) Perylene-d12	16.809	264	128705	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.611	152	53771	367.462	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 7.35%#			
25) Pyrene-d10	12.635	212	93977	418.104	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.36%#			
31) Benzo[b]fluoranthene-d12	16.131	264	91970	408.607	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.17%#			
Target Compounds						Qvalue
2) Naphthalene	7.960	128	848	3.189	ng/mL#	79
5) 2-Methylnaphthalene	8.640	142	217	1.365	ng/mL	97
12) Acenaphthylene	9.532	152	100	N.D.		
13) Acenaphthene	9.706	153	170M4	0.995	ng/mL	
15) Fluorene	10.201	166	400M4	2.065	ng/mL	
19) Phenanthrene	11.146	178	1349	4.655	ng/mL#	76
20) Anthracene	11.185	178	178	0.640	ng/mL#	1
23) Fluoranthene	12.390	202	1298	4.099	ng/mL#	87
26) Pyrene	12.659	202	1062	3.053	ng/mL#	79
27) Benz[a]anthracene	14.355	228	305M4	0.971	ng/mL	
28) Chrysene	14.418	228	293	0.988	ng/mL#	21
32) Benzo[b]fluoranthene	16.170	252	336M4	0.981	ng/mL	
33) Benzo[k]fluoranthene	16.202	252	276M4	0.965	ng/mL	
35) Benzo[a]pyrene	16.714	252	243	0.810	ng/mL#	1
37) Indeno[1,2,3-cd]pyrene	18.695	276	206M4	0.646	ng/mL	
38) Dibenz[a,h]anthracene	18.727	278	36	N.D.		
39) Benzo[g,h,i]perylene	19.208	276	230M4	0.706	ng/mL	

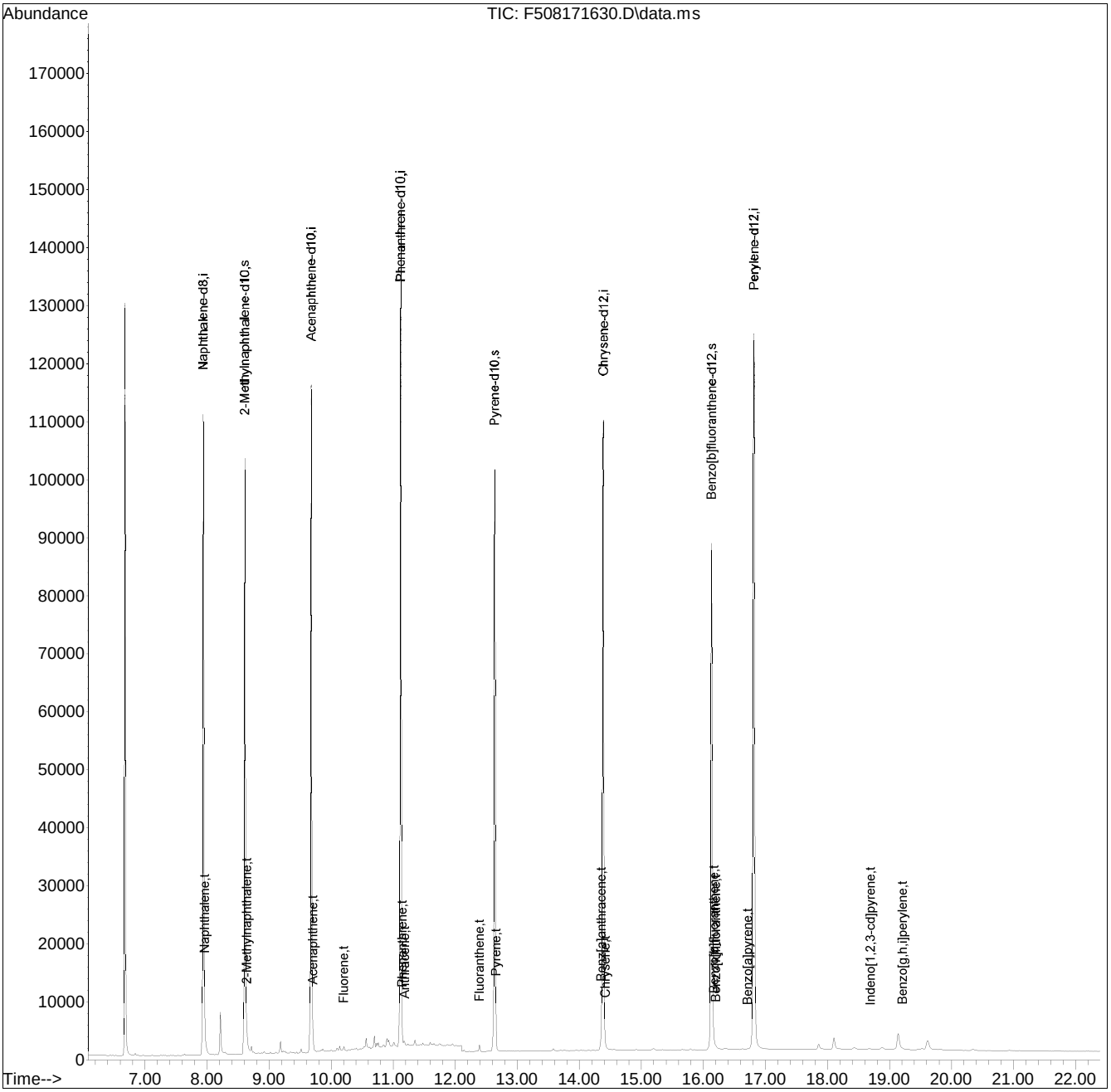
(#) = qualifier out of range (m) = manual integration (+) = signals summed

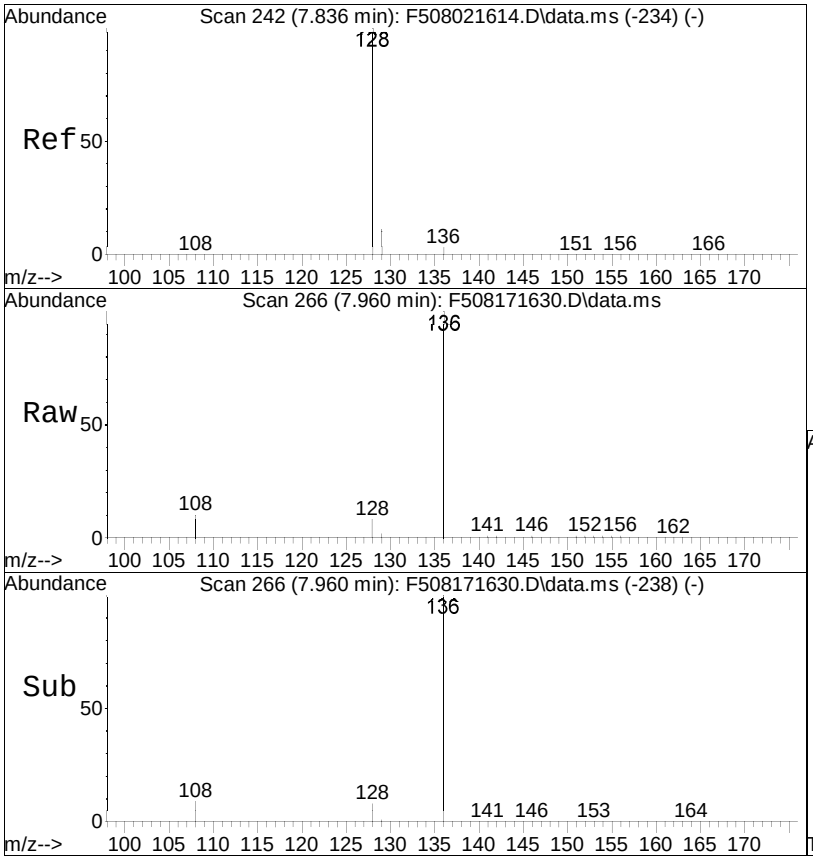
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171630.D
Acq On : 18 Aug 2016 5:37 am
Operator : PAH5:DP
Sample : L1625236-11
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 18 12:56:47 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

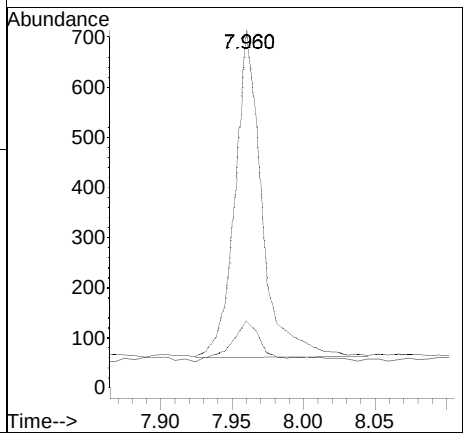


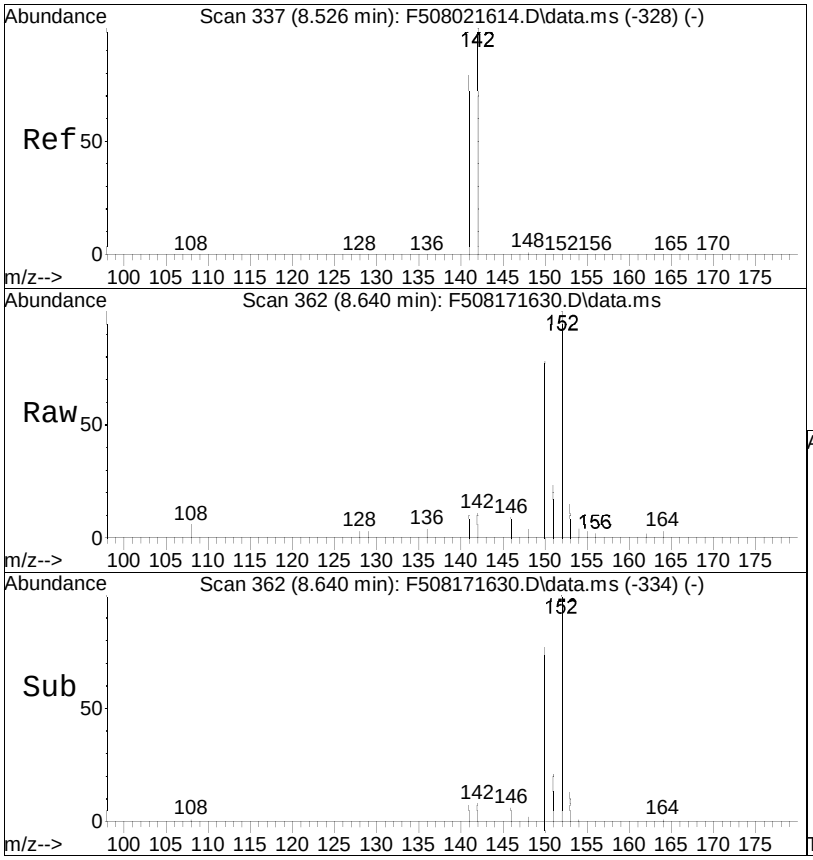


#2
Naphthalene
Concen: 3.19 ng/mL
RT: 7.960 min Scan# 266
Delta R.T. 0.000 min
Lab File: F508171630.D
Acq: 18 Aug 2016 5:37 am

Tgt Ion:128 Resp: 848

Ion	Ratio	Lower	Upper
128	100		
129	18.8	8.6	13.0#

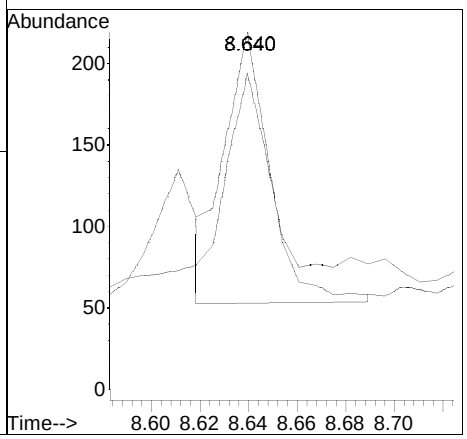


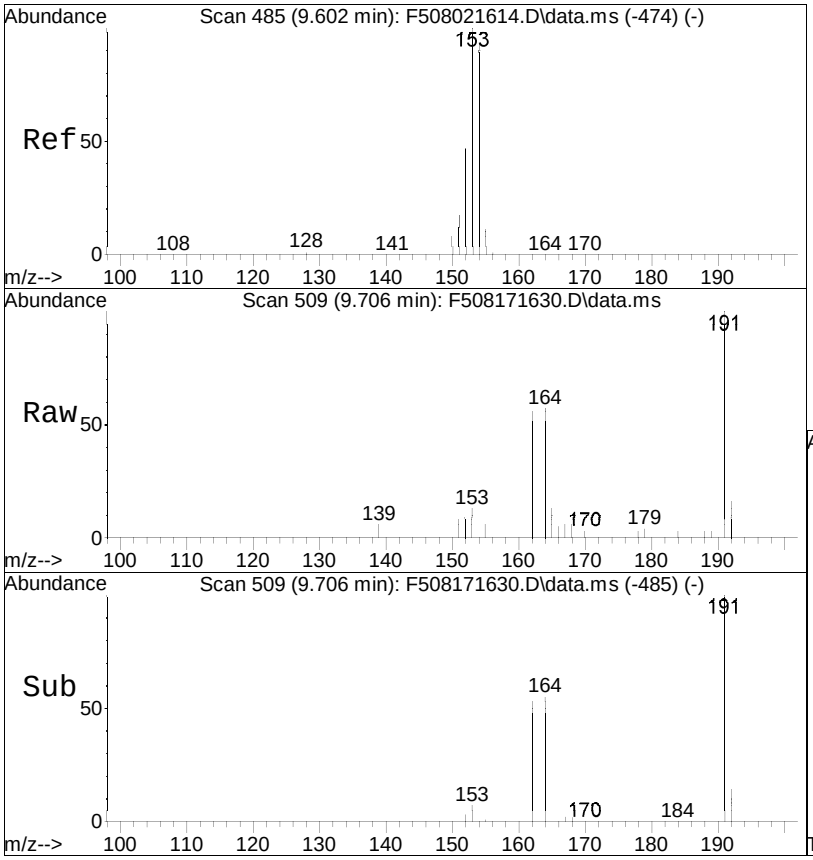


#5
2-Methylnaphthalene
Concen: 1.36 ng/mL
RT: 8.640 min Scan# 362
Delta R.T. 0.000 min
Lab File: F508171630.D
Acq: 18 Aug 2016 5:37 am

Tgt Ion:142 Resp: 217

Ion	Ratio	Lower	Upper
142	100		
141	88.6	68.5	102.7

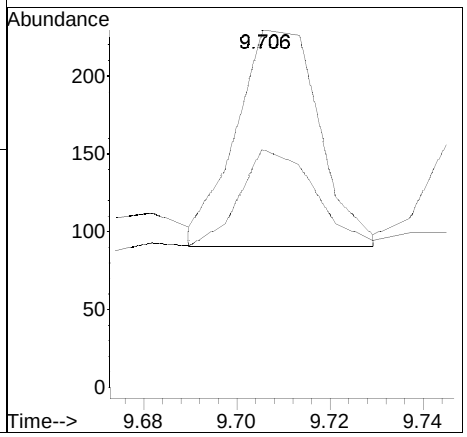


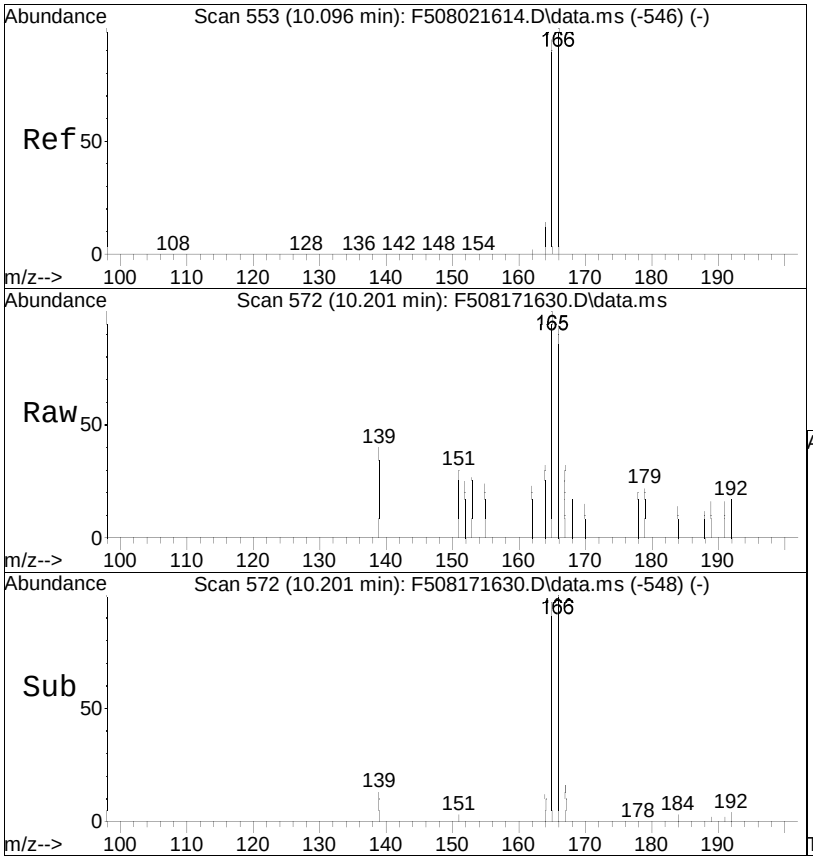


#13
Acenaphthene
Concen: 0.99 ng/mL M4
RT: 9.706 min Scan# 509
Delta R.T. -0.008 min
Lab File: F508171630.D
Acq: 18 Aug 2016 5:37 am

Tgt Ion:153 Resp: 170

Ion	Ratio	Lower	Upper
153	100		
152	66.8	38.0	57.0#

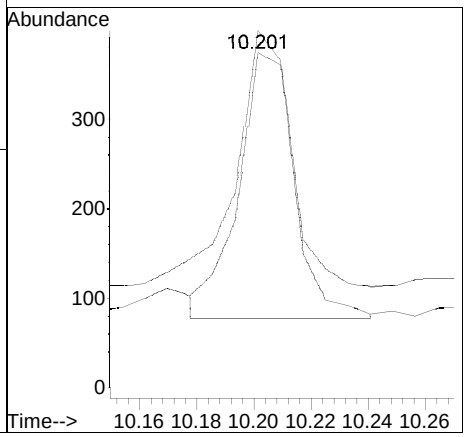


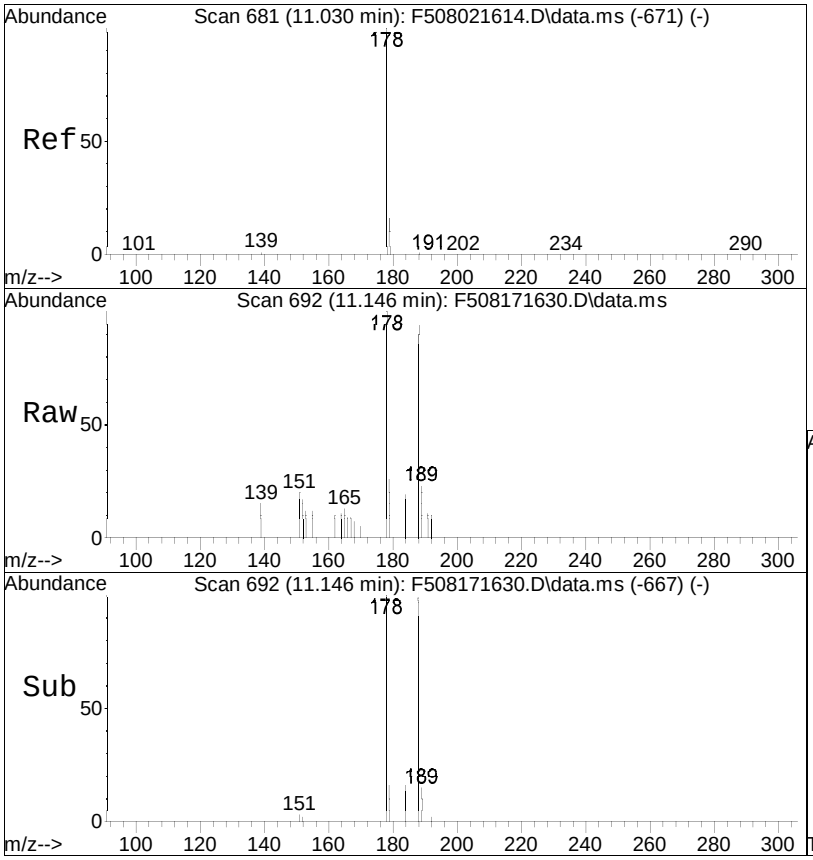


#15
Fluorene
Concen: 2.06 ng/mL M4
RT: 10.201 min Scan# 572
Delta R.T. -0.008 min
Lab File: F508171630.D
Acq: 18 Aug 2016 5:37 am

Tgt Ion:166 Resp: 400

Ion	Ratio	Lower	Upper
166	100		
165	106.4	72.8	109.2

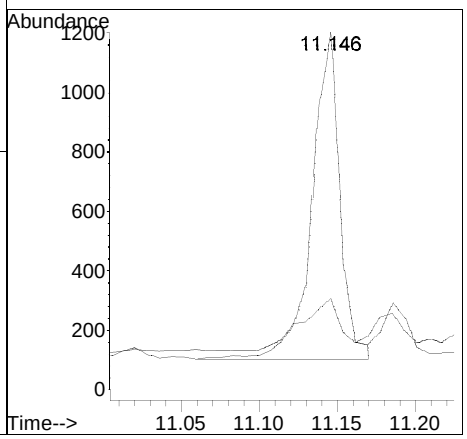


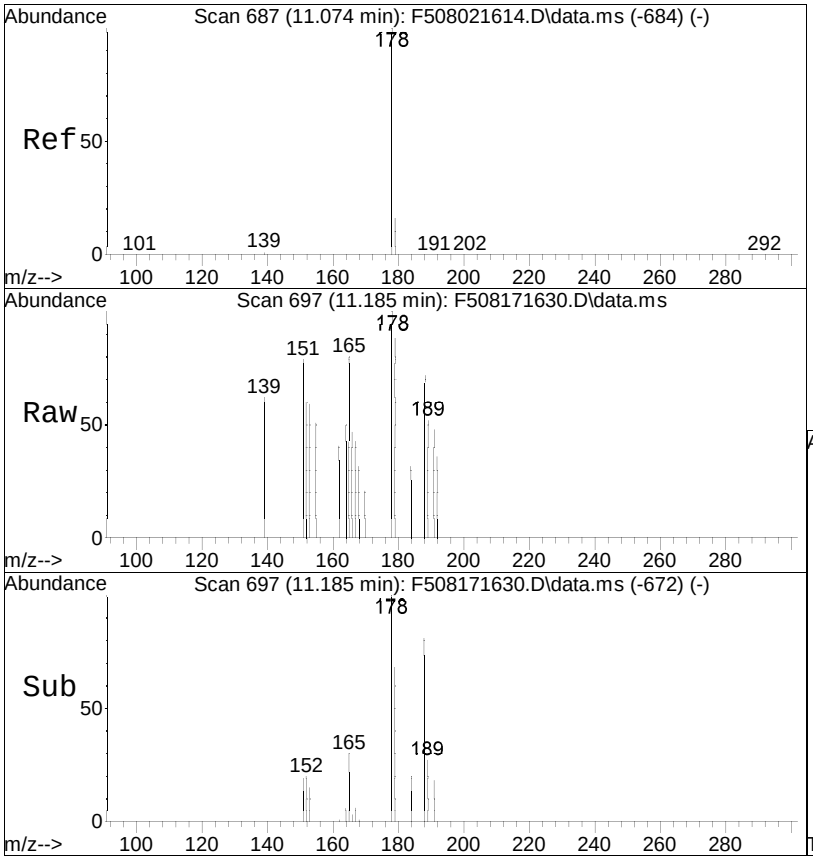


#19
Phenanthrene
Concen: 4.66 ng/mL
RT: 11.146 min Scan# 692
Delta R.T. 0.000 min
Lab File: F508171630.D
Acq: 18 Aug 2016 5:37 am

Tgt Ion:178 Resp: 1349

Ion	Ratio	Lower	Upper
178	100		
179	25.6	12.3	18.5#

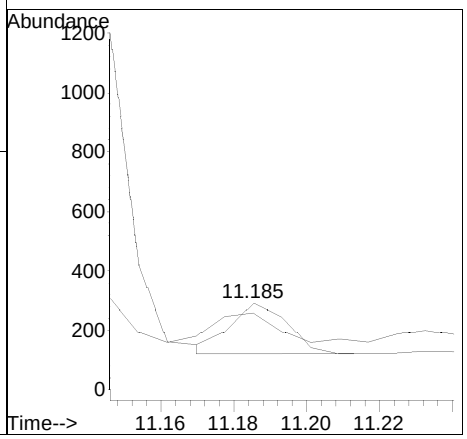


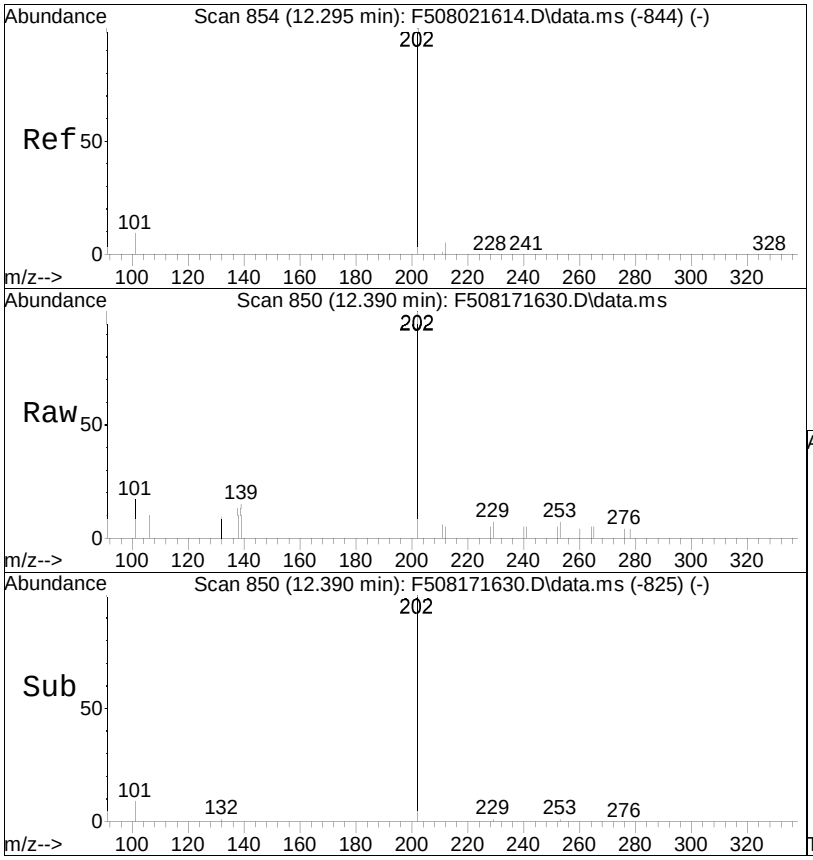


#20
Anthracene
Concen: 0.64 ng/mL
RT: 11.185 min Scan# 697
Delta R.T. 0.000 min
Lab File: F508171630.D
Acq: 18 Aug 2016 5:37 am

Tgt Ion:178 Resp: 178

Ion	Ratio	Lower	Upper
178	100		
179	88.4	12.1	18.1#

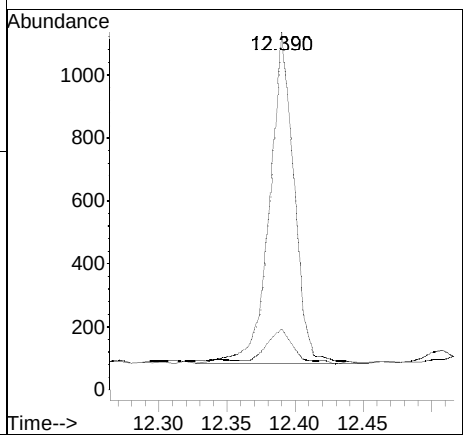


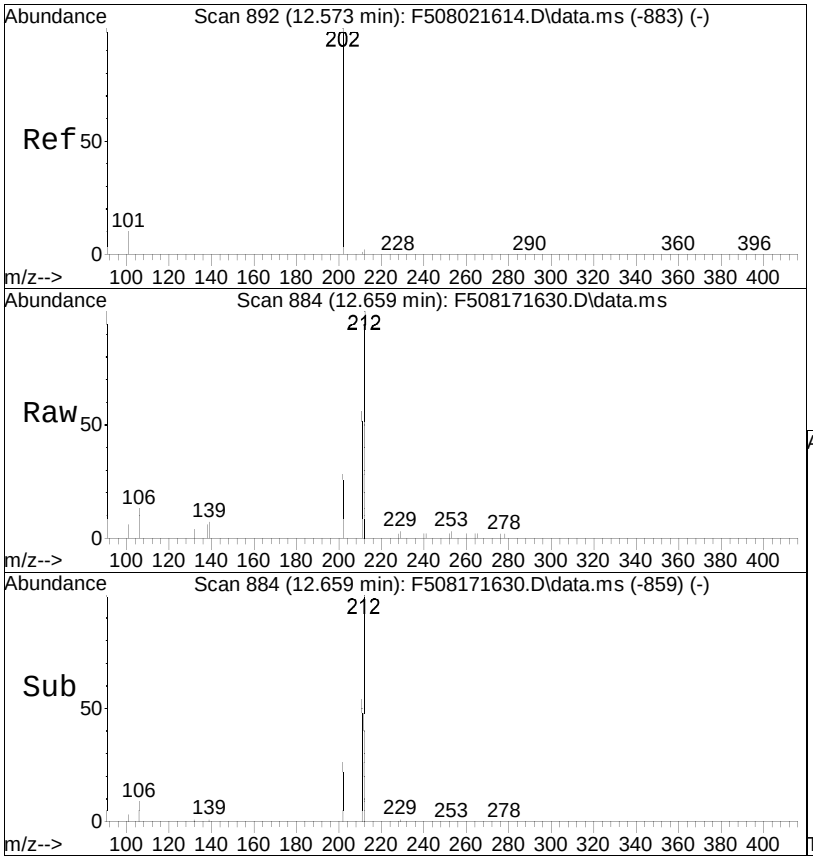


#23
Fluoranthene
Concen: 4.10 ng/mL
RT: 12.390 min Scan# 850
Delta R.T. 0.000 min
Lab File: F508171630.D
Acq: 18 Aug 2016 5:37 am

Tgt Ion:202 Resp: 1298

Ion	Ratio	Lower	Upper
202	100		
101	17.0	9.6	14.4#

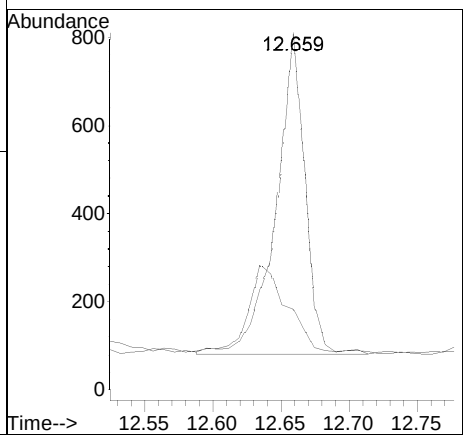


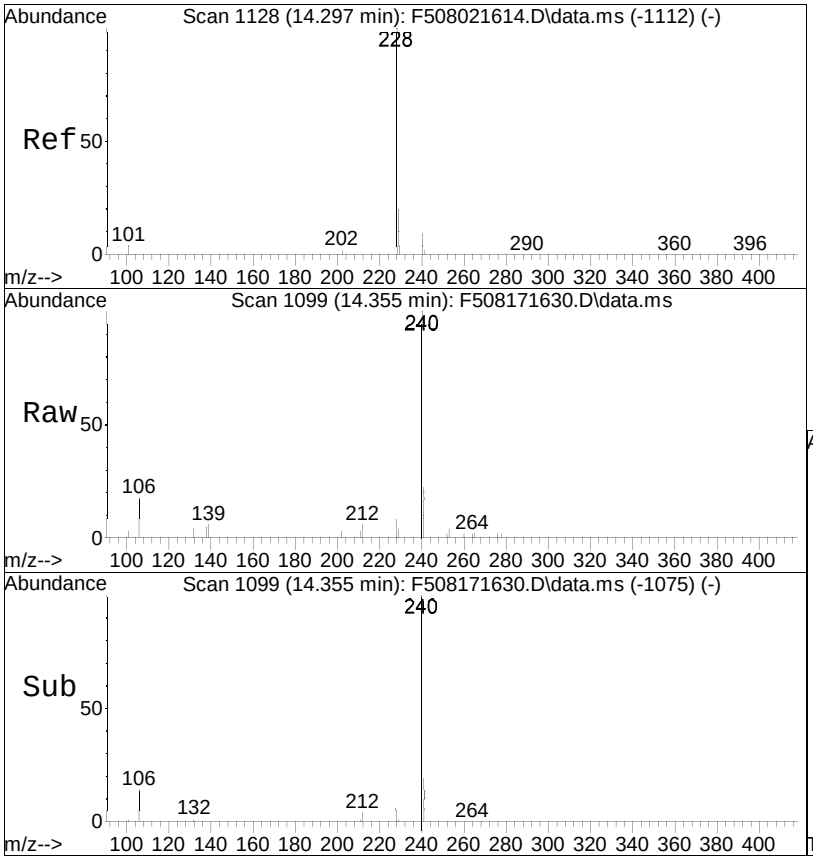


#26
Pyrene
Concen: 3.05 ng/mL
RT: 12.659 min Scan# 884
Delta R.T. 0.000 min
Lab File: F508171630.D
Acq: 18 Aug 2016 5:37 am

Tgt Ion:202 Resp: 1062

Ion	Ratio	Lower	Upper
202	100		
101	22.7	11.4	17.0#

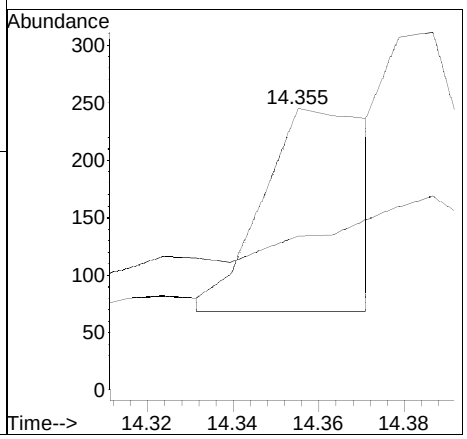


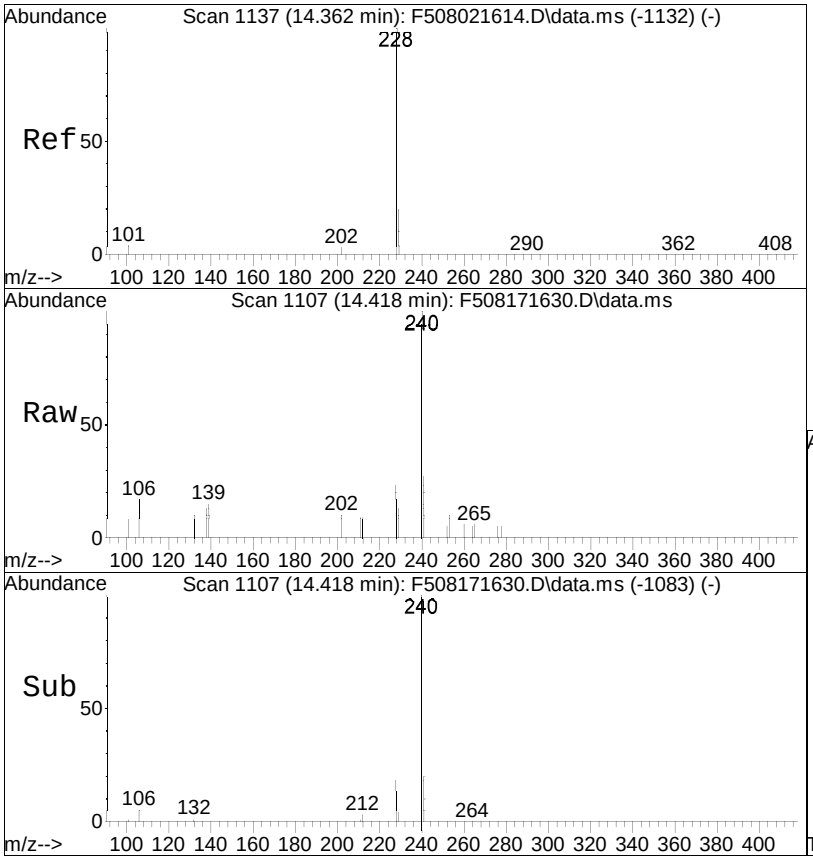


#27
Benz[a]anthracene
Concen: 0.97 ng/mL M4
RT: 14.355 min Scan# 1099
Delta R.T. -0.008 min
Lab File: F508171630.D
Acq: 18 Aug 2016 5:37 am

Tgt Ion:228 Resp: 305

Ion	Ratio	Lower	Upper
228	100		
229	54.7	15.4	23.0#

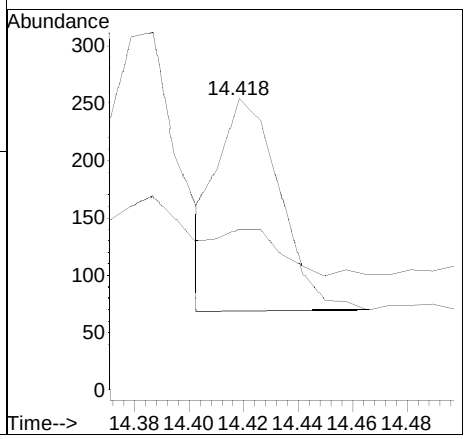


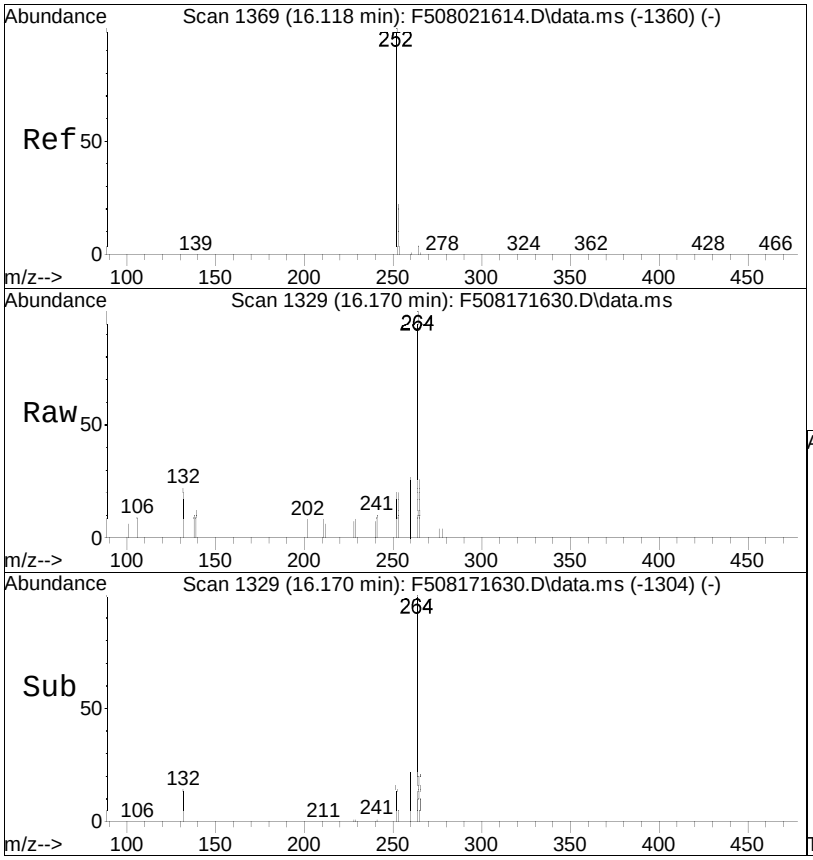


#28
Chrysene
Concen: 0.99 ng/mL
RT: 14.418 min Scan# 1107
Delta R.T. -0.008 min
Lab File: F508171630.D
Acq: 18 Aug 2016 5:37 am

Tgt Ion:228 Resp: 293

Ion	Ratio	Lower	Upper
228	100		
229	55.3	15.6	23.4#

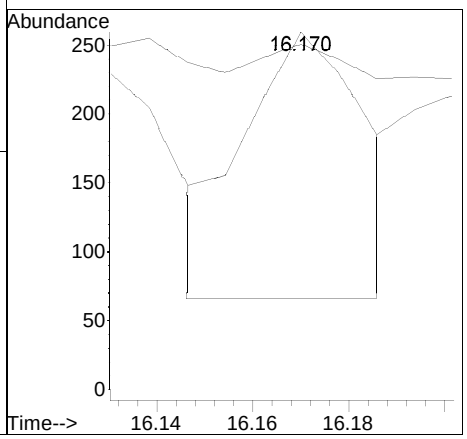


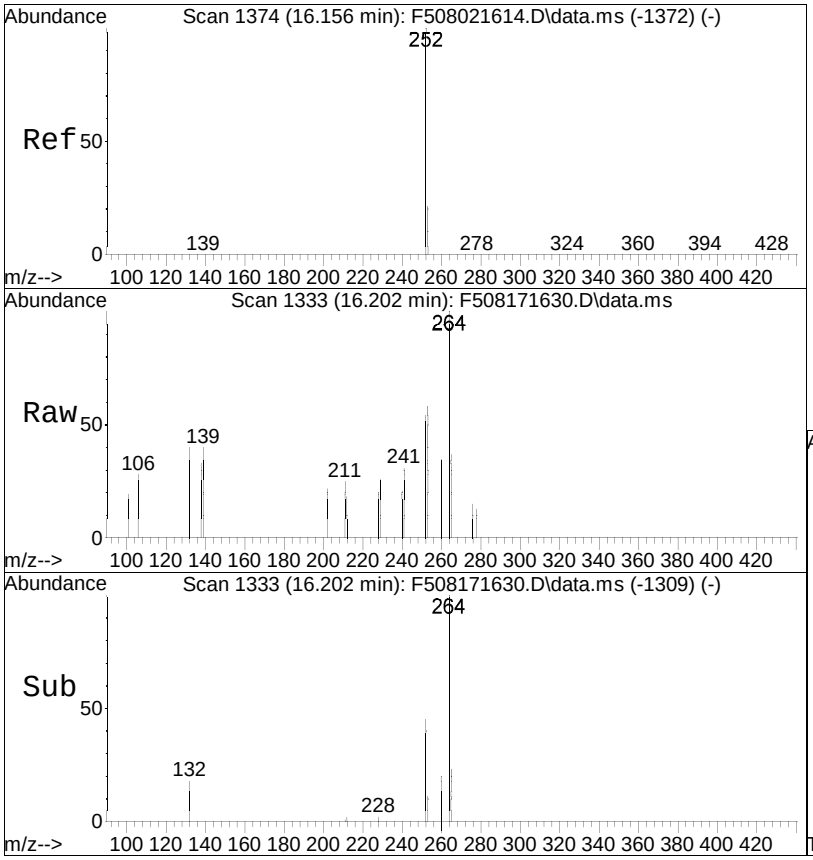


#32
Benzo[b]fluoranthene
Concen: 0.98 ng/mL M4
RT: 16.170 min Scan# 1329
Delta R.T. 0.000 min
Lab File: F508171630.D
Acq: 18 Aug 2016 5:37 am

Tgt Ion:252 Resp: 336

Ion	Ratio	Lower	Upper
252	100		
253	96.9	17.4	26.0#

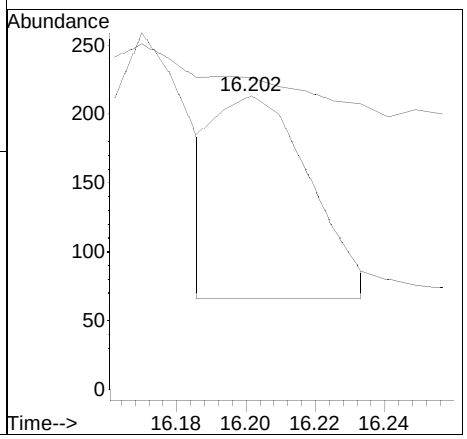


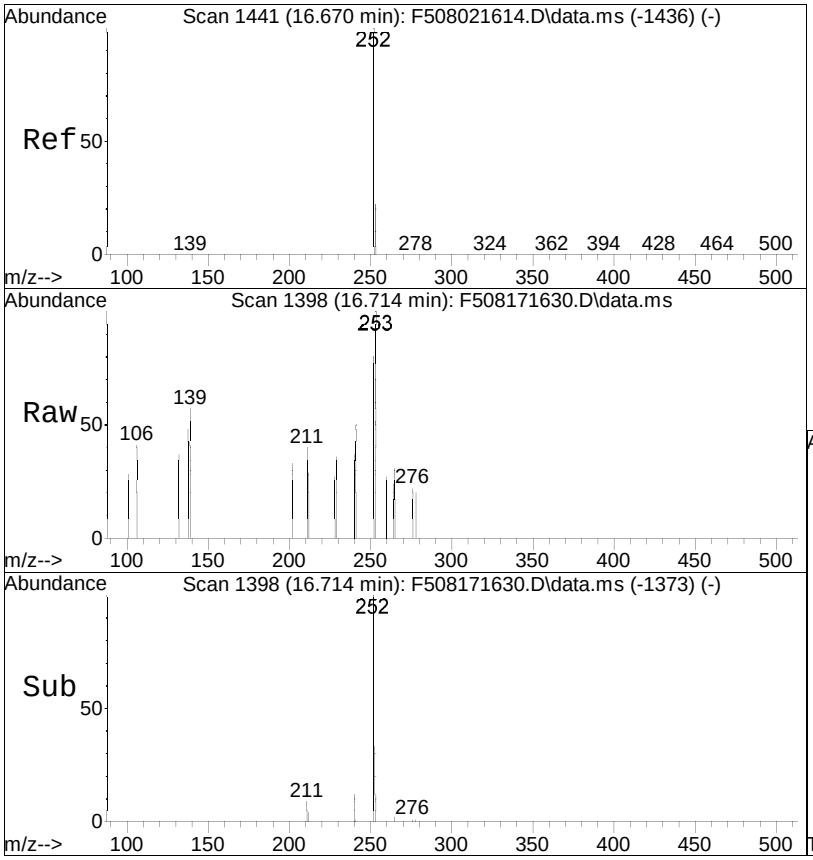


#33
Benzo[k]fluoranthene
Concen: 0.97 ng/mL M4
RT: 16.202 min Scan# 1333
Delta R.T. -0.008 min
Lab File: F508171630.D
Acq: 18 Aug 2016 5:37 am

Tgt Ion:252 Resp: 276

Ion	Ratio	Lower	Upper
252	100		
253	106.1	17.4	26.0#

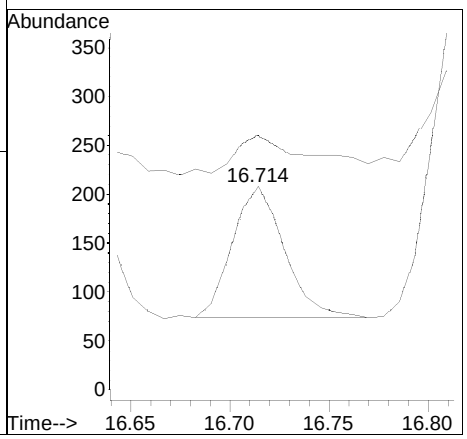


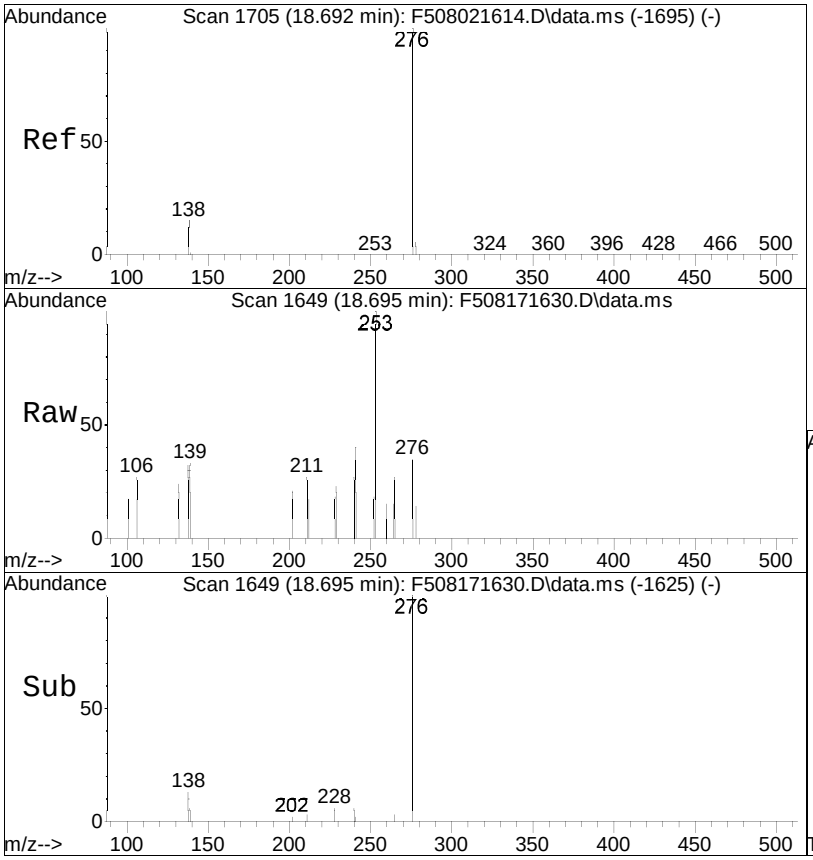


#35
Benzo[a]pyrene
Concen: 0.81 ng/mL
RT: 16.714 min Scan# 1398
Delta R.T. 0.000 min
Lab File: F508171630.D
Acq: 18 Aug 2016 5:37 am

Tgt Ion:252 Resp: 243

Ion	Ratio	Lower	Upper
252	100		
253	125.0	17.4	26.2#

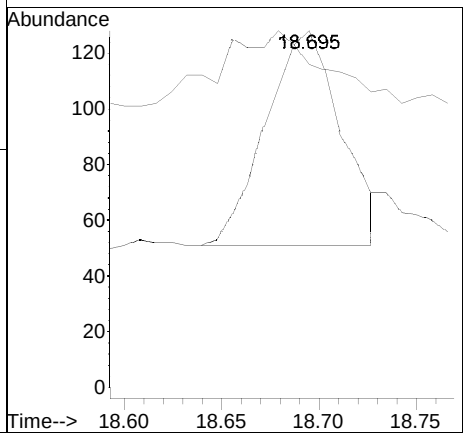


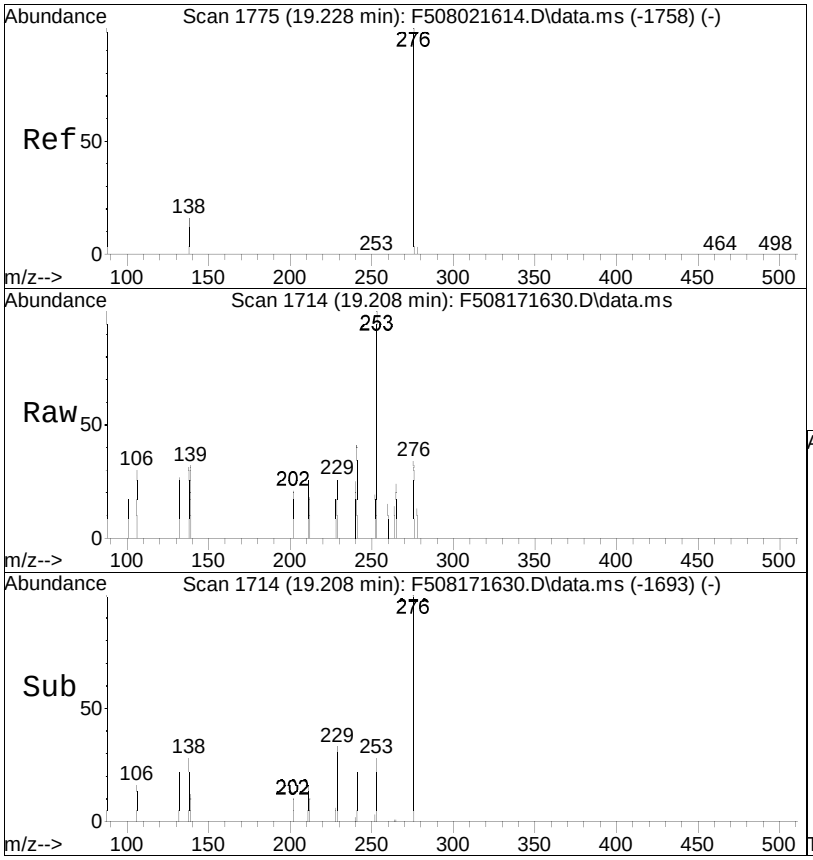


#37
Indeno[1,2,3-cd]pyrene
Concen: 0.65 ng/mL M4
RT: 18.695 min Scan# 1649
Delta R.T. 0.000 min
Lab File: F508171630.D
Acq: 18 Aug 2016 5:37 am

Tgt Ion:276 Resp: 206

Ion	Ratio	Lower	Upper
276	100		
138	90.6	21.4	32.2#

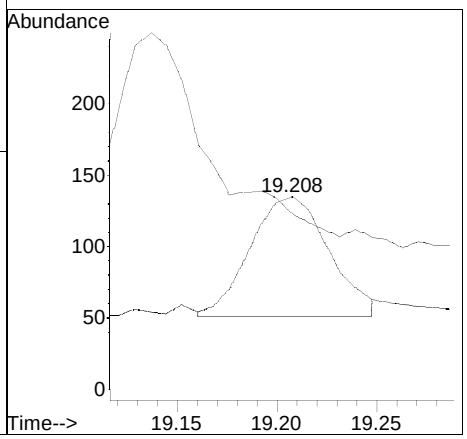




#39
Benzo[g,h,i]perylene
Concen: 0.71 ng/mL M4
RT: 19.208 min Scan# 1714
Delta R.T. 0.000 min
Lab File: F508171630.D
Acq: 18 Aug 2016 5:37 am

Tgt Ion:276 Resp: 230

Ion	Ratio	Lower	Upper
276	100		
138	91.1	33.5	50.3#



Batch Quality Control

Method Blank
Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171615.D
Acq On : 17 Aug 2016 9:03 pm
Operator : PAH5:DP
Sample : WG923129-1
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 18 12:30:01 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.946	136	131495	500.000	ng/mL	# 0.00
7) Acenaphthene-d10	9.682	164	64174	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.123	188	125386	500.000	ng/mL	0.00
24) Chrysene-d12	14.387	240	118652	500.000	ng/mL	0.00
29) Perylene-d12	16.817	264	115141	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.618	152	50607	331.748	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 6.63%#			
25) Pyrene-d10	12.643	212	84484	405.530	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.11%#			
31) Benzo[b]fluoranthene-d12	16.131	264	84991	422.083	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.44%#			
Target Compounds						Qvalue
2) Naphthalene	7.967	128	351	1.266	ng/mL#	62
5) 2-Methylnaphthalene	8.647	142	68	N.D.		
12) Acenaphthylene	0.000		0	N.D.	d	
13) Acenaphthene	9.713	153	29	N.D.		
15) Fluorene	10.209	166	49	N.D.		
19) Phenanthrene	11.146	178	461M4	1.583	ng/mL	
20) Anthracene	11.193	178	26	N.D.		
23) Fluoranthene	12.391	202	227	0.714	ng/mL#	54
26) Pyrene	12.659	202	111	N.D.		
27) Benz[a]anthracene	0.000		0	N.D.	d	
28) Chrysene	14.418	228	34	N.D.		
32) Benzo[b]fluoranthene	0.000		0	N.D.	d	
33) Benzo[k]fluoranthene	0.000		0	N.D.	d	
35) Benzo[a]pyrene	0.000		0	N.D.	d	
37) Indeno[1,2,3-cd]pyrene	18.695	276	108	N.D.		
38) Dibenz[a,h]anthracene	18.735	278	116	N.D.		
39) Benzo[g,h,i]perylene	19.208	276	72	N.D.		

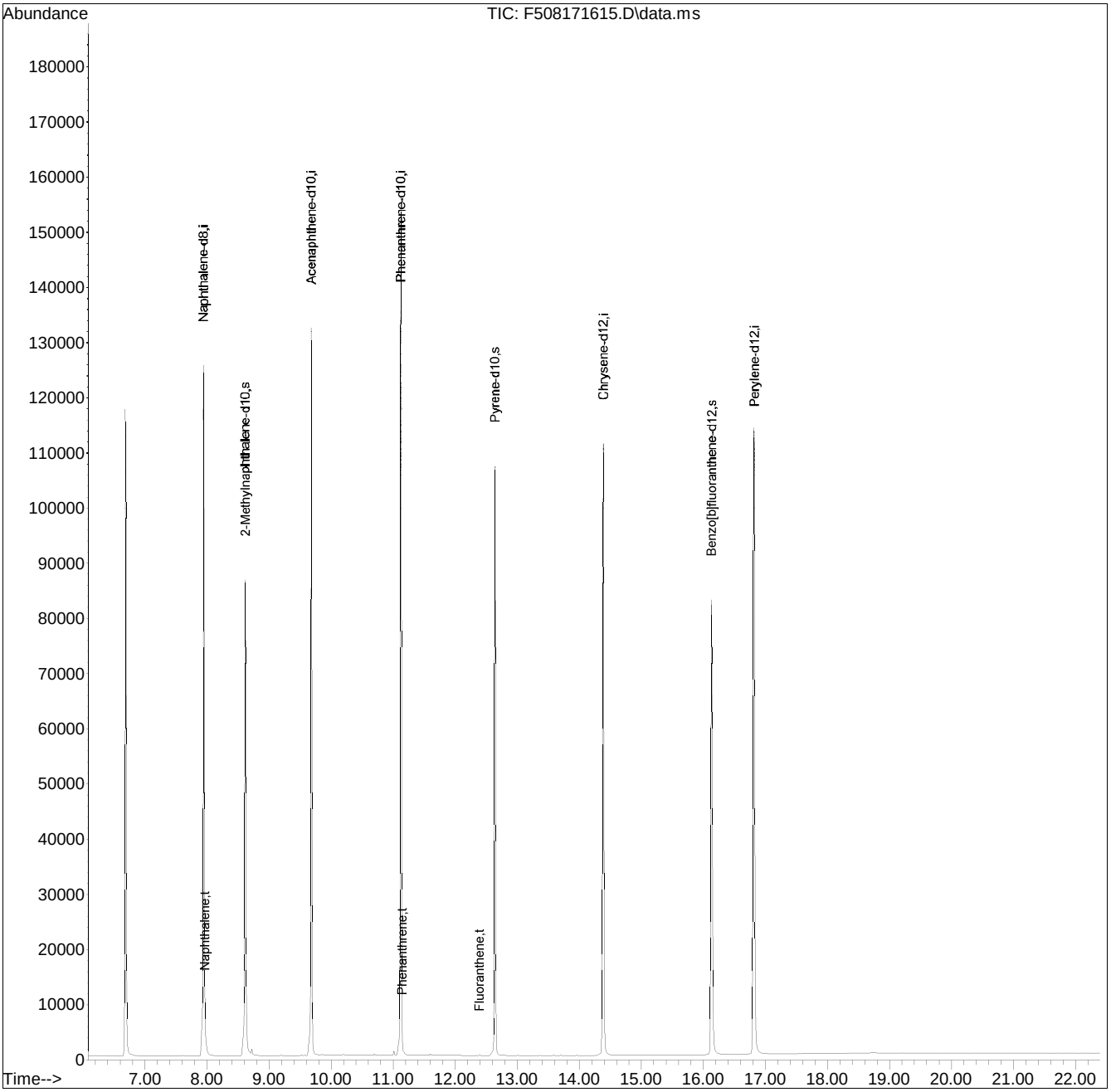
(#) = qualifier out of range (m) = manual integration (+) = signals summed

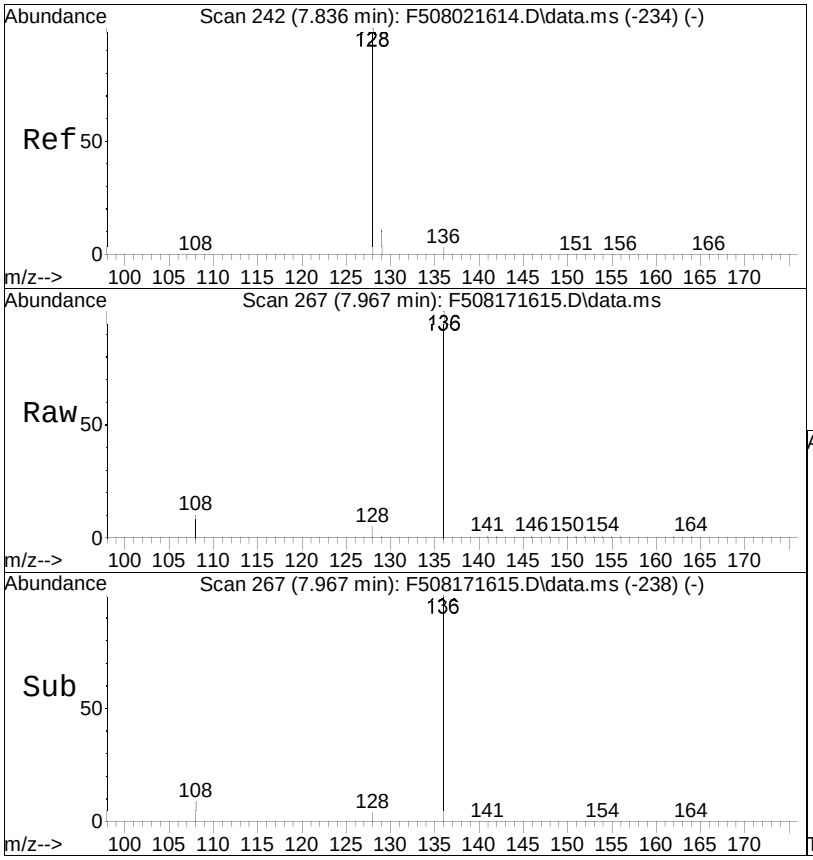
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171615.D
Acq On : 17 Aug 2016 9:03 pm
Operator : PAH5:DP
Sample : WG923129-1
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 18 12:30:01 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

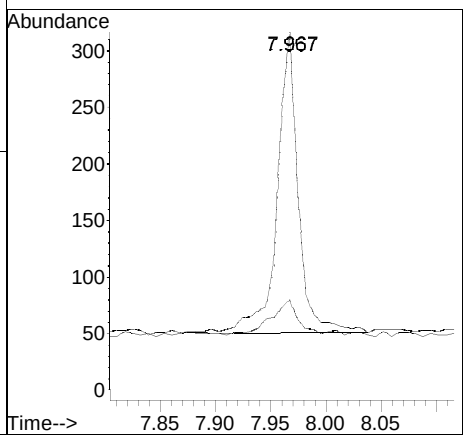


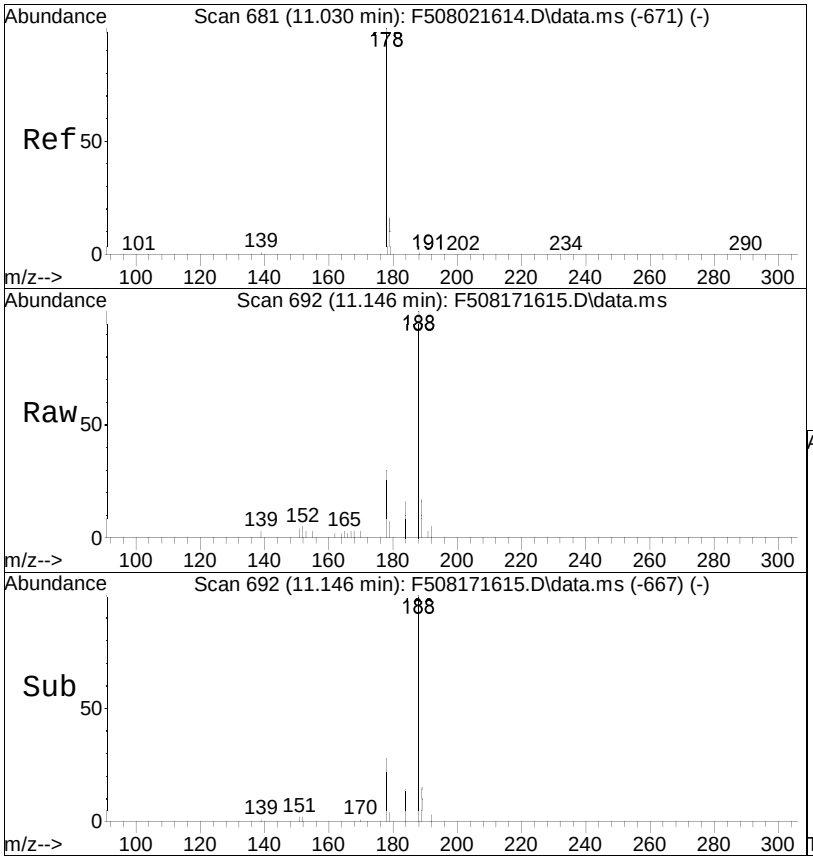


#2
Naphthalene
Concen: 1.27 ng/mL
RT: 7.967 min Scan# 267
Delta R.T. 0.007 min
Lab File: F508171615.D
Acq: 17 Aug 2016 9:03 pm

Tgt Ion:128 Resp: 351

Ion	Ratio	Lower	Upper
128	100		
129	25.3	8.6	13.0#

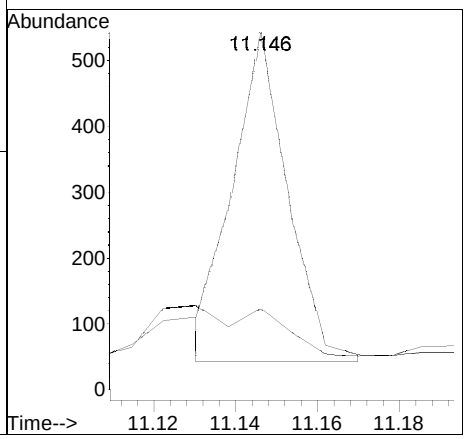


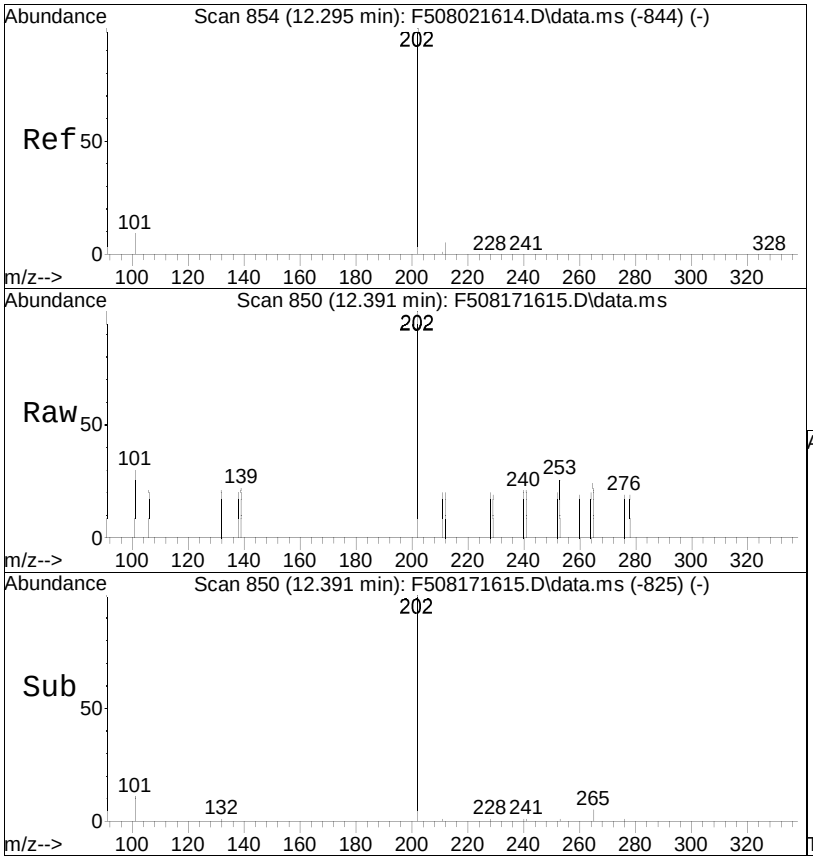


#19
Phenanthrene
Concen: 1.58 ng/mL M4
RT: 11.146 min Scan# 692
Delta R.T. 0.000 min
Lab File: F508171615.D
Acq: 17 Aug 2016 9:03 pm

Tgt Ion:178 Resp: 461

Ion	Ratio	Lower	Upper
178	100		
179	22.7	12.3	18.5#

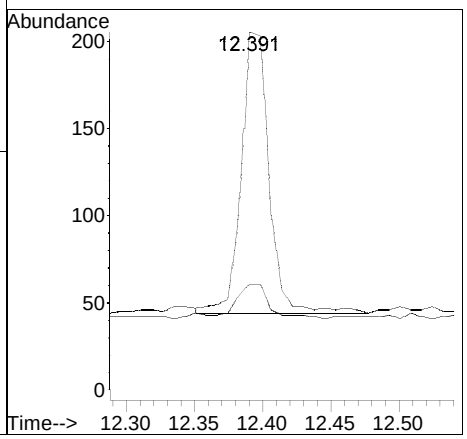




#23
Fluoranthene
Concen: 0.71 ng/mL
RT: 12.391 min Scan# 850
Delta R.T. 0.000 min
Lab File: F508171615.D
Acq: 17 Aug 2016 9:03 pm

Tgt Ion:202 Resp: 227

Ion	Ratio	Lower	Upper
202	100		
101	29.8	9.6	14.4#



LCS Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171616.D
Acq On : 17 Aug 2016 9:38 pm
Operator : PAH5:DP
Sample : WG923129-2
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 18 12:30:35 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.946	136	122989	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.682	164	61280	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.122	188	120930	500.000	ng/mL	0.00
24) Chrysene-d12	14.387	240	121547	500.000	ng/mL	0.00
29) Perylene-d12	16.817	264	118452	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.611	152	52658	369.067	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 7.38%#			
25) Pyrene-d10	12.643	212	90451	423.831	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.48%#			
31) Benzo[b]fluoranthene-d12	16.131	264	90503	436.894	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.74%#			
Target Compounds						Qvalue
2) Naphthalene	7.960	128	96043	370.480	ng/mL	100
5) 2-Methylnaphthalene	8.640	142	63758	411.180	ng/mL	99
12) Acenaphthylene	9.532	152	102154	367.658	ng/mL	99
13) Acenaphthene	9.713	153	62994	374.607	ng/mL	99
15) Fluorene	10.209	166	71924	377.235	ng/mL	99
19) Phenanthrene	11.146	178	113478	404.142	ng/mL	100
20) Anthracene	11.185	178	104346	387.121	ng/mL	99
23) Fluoranthene	12.390	202	126445	412.094	ng/mL	97
26) Pyrene	12.659	202	133658	404.630	ng/mL	98
27) Benz[a]anthracene	14.355	228	120637	404.389	ng/mL	100
28) Chrysene	14.426	228	120311	427.172	ng/mL	100
32) Benzo[b]fluoranthene	16.170	252	140454	445.533	ng/mL	100
33) Benzo[k]fluoranthene	16.209	252	124599	473.514	ng/mL	100
35) Benzo[a]pyrene	16.714	252	119011M4	431.046	ng/mL	
37) Indeno[1,2,3-cd]pyrene	18.695	276	118574M4	404.164	ng/mL	
38) Dibenz[a,h]anthracene	18.734	278	118570	408.754	ng/mL	94
39) Benzo[g,h,i]perylene	19.208	276	126505	421.942	ng/mL#	69

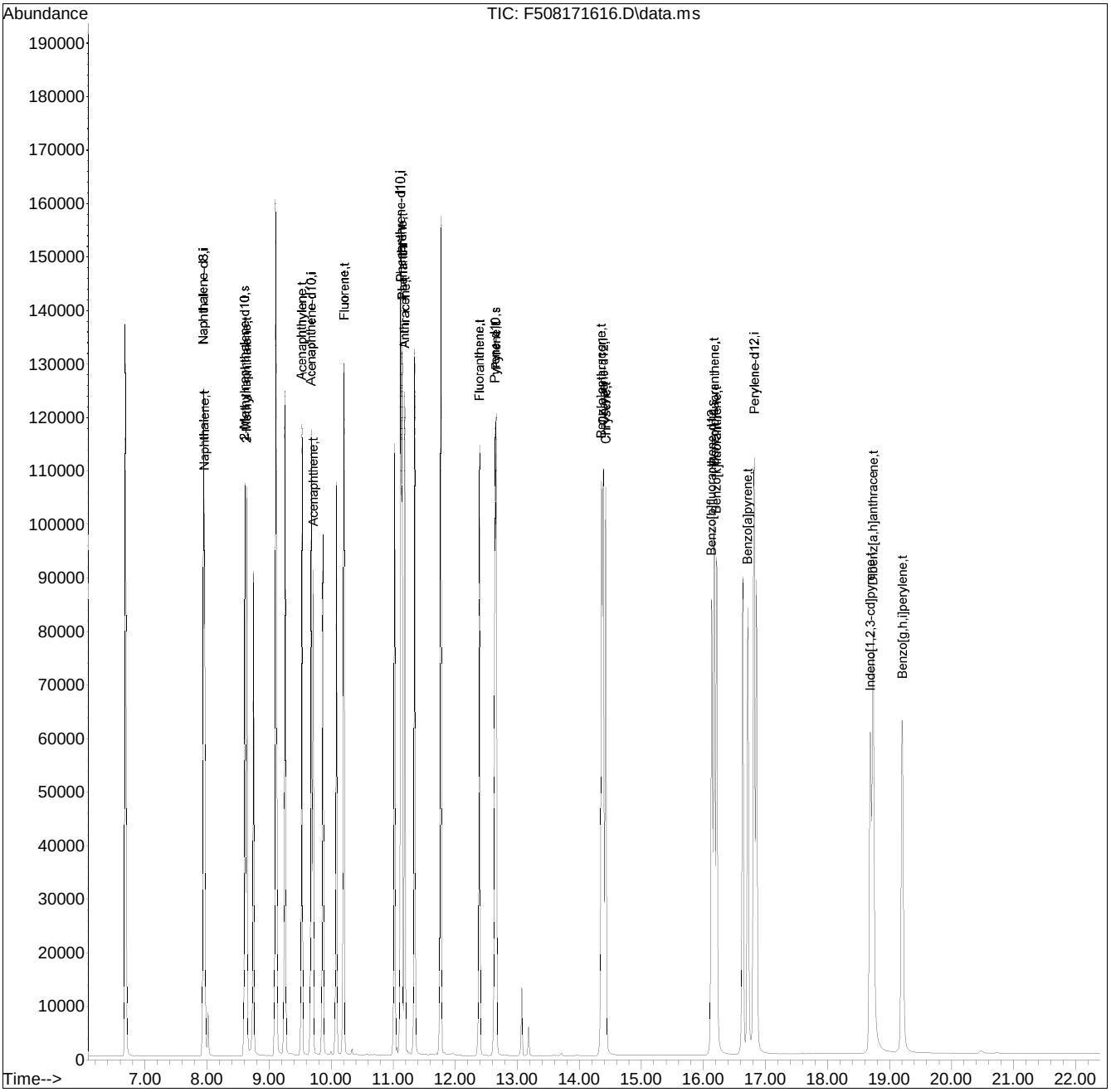
(#) = qualifier out of range (m) = manual integration (+) = signals summed

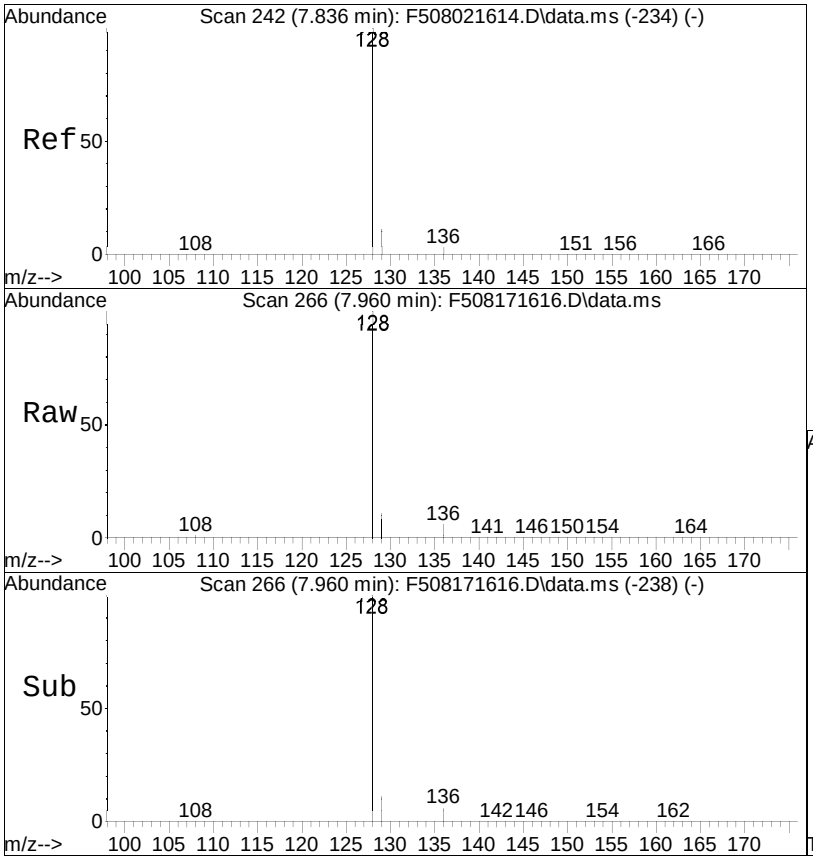
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171616.D
Acq On : 17 Aug 2016 9:38 pm
Operator : PAH5:DP
Sample : WG923129-2
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 18 12:30:35 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

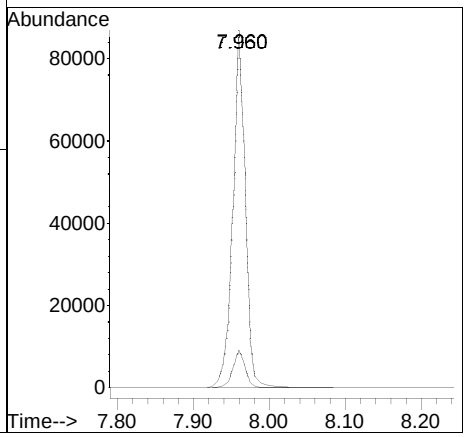


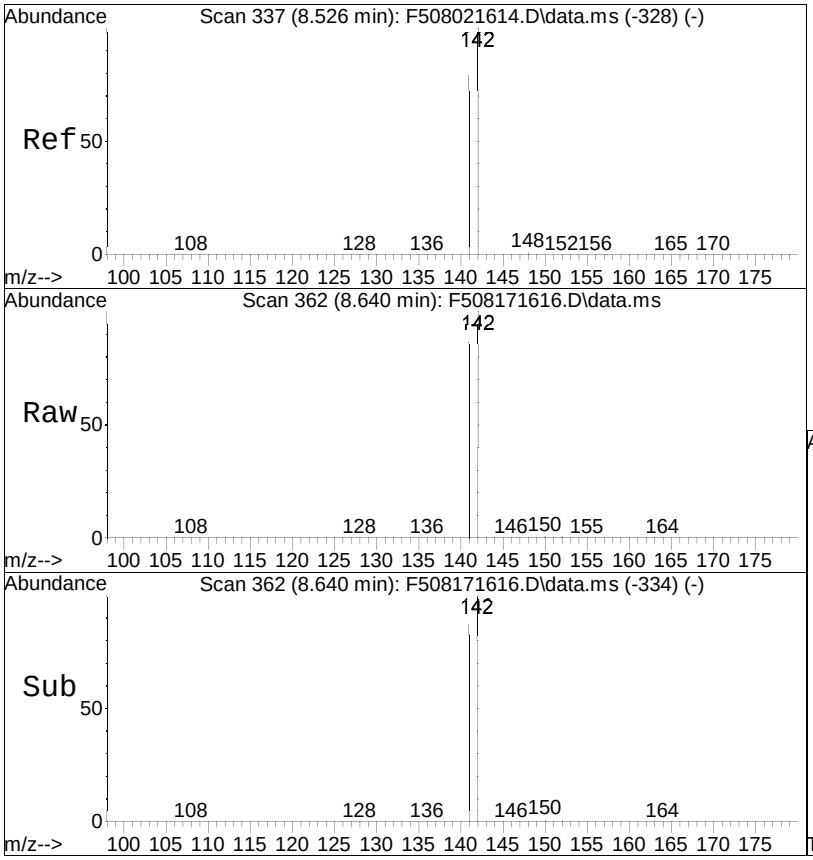


#2
Naphthalene
Concen: 370.48 ng/mL
RT: 7.960 min Scan# 266
Delta R.T. 0.000 min
Lab File: F508171616.D
Acq: 17 Aug 2016 9:38 pm

Tgt Ion:128 Resp: 96043

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0

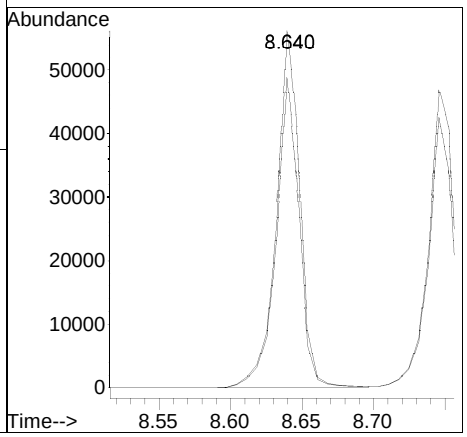


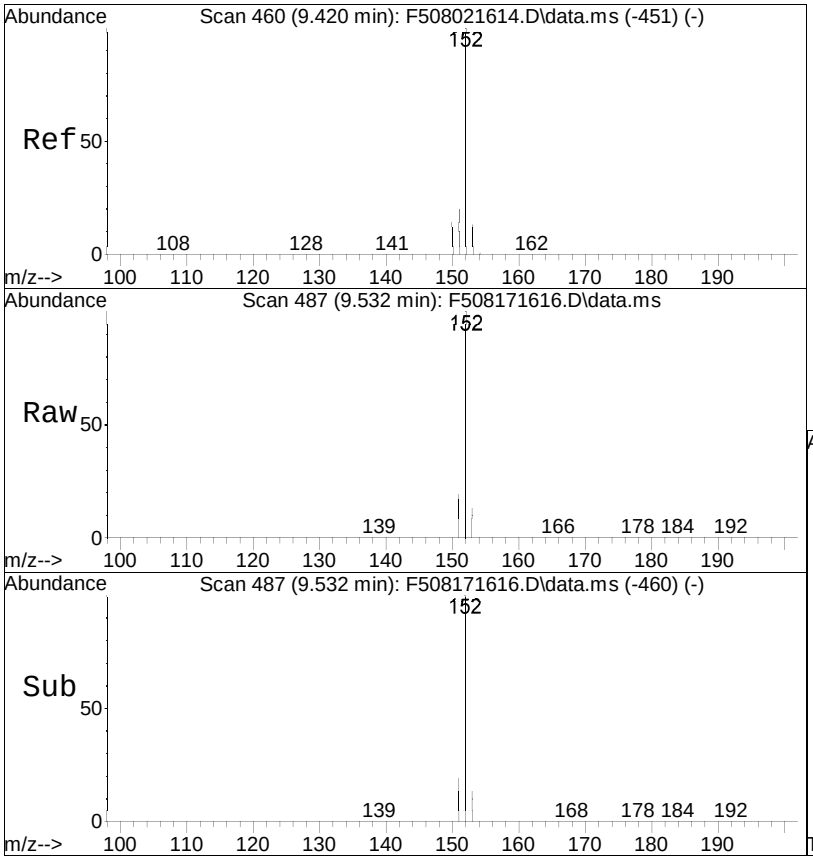


#5
2-Methylnaphthalene
Concen: 411.18 ng/mL
RT: 8.640 min Scan# 362
Delta R.T. 0.000 min
Lab File: F508171616.D
Acq: 17 Aug 2016 9:38 pm

Tgt Ion:142 Resp: 63758

Ion	Ratio	Lower	Upper
142	100		
141	86.9	68.5	102.7

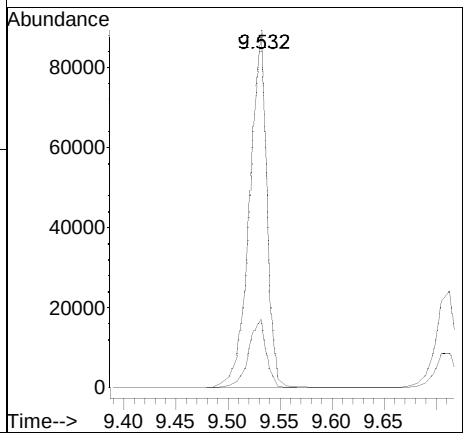


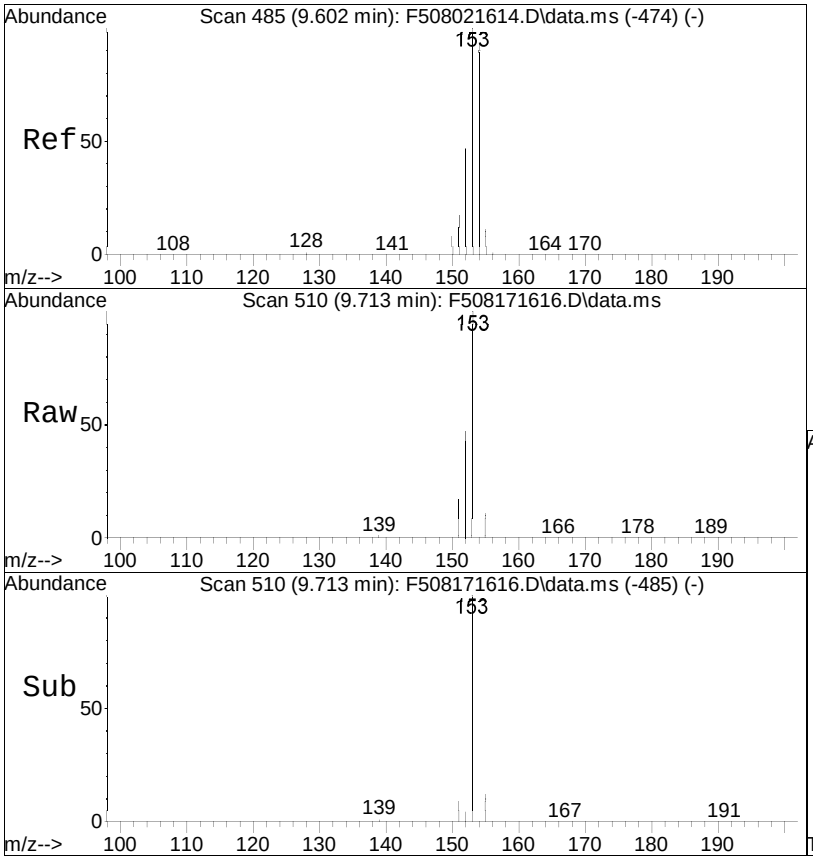


#12
Acenaphthylene
Concen: 367.66 ng/mL
RT: 9.532 min Scan# 487
Delta R.T. 0.000 min
Lab File: F508171616.D
Acq: 17 Aug 2016 9:38 pm

Tgt Ion:152 Resp: 102154

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.9	23.9

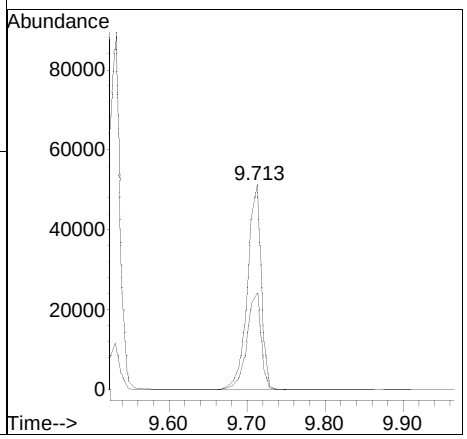


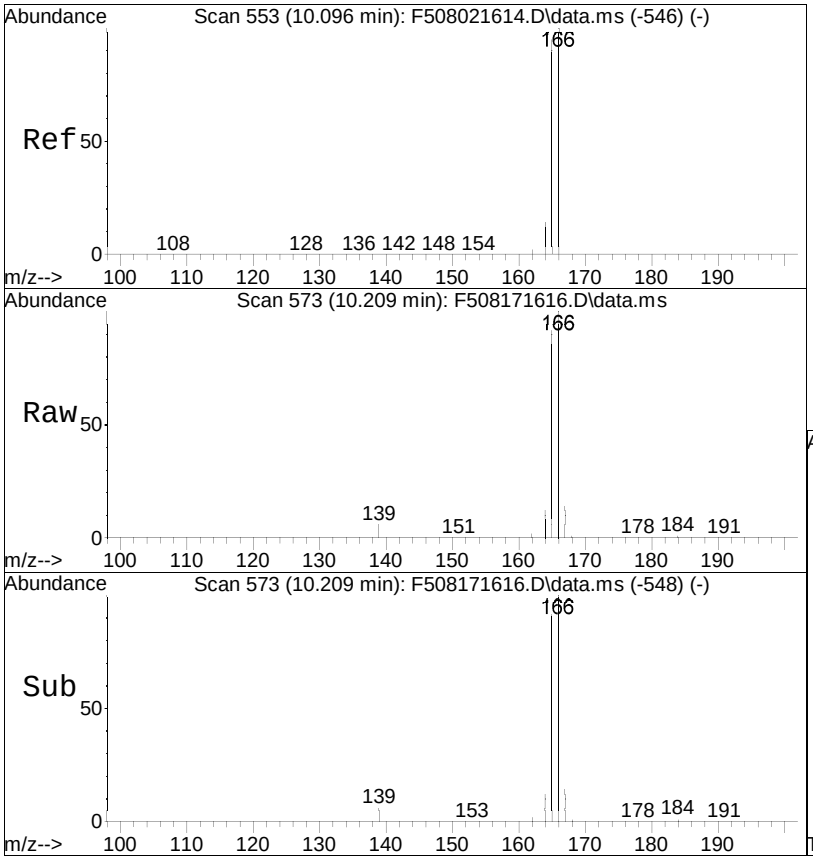


#13
Acenaphthene
Concen: 374.61 ng/mL
RT: 9.713 min Scan# 510
Delta R.T. 0.000 min
Lab File: F508171616.D
Acq: 17 Aug 2016 9:38 pm

Tgt Ion:153 Resp: 62994

Ion	Ratio	Lower	Upper
153	100		
152	47.1	38.0	57.0

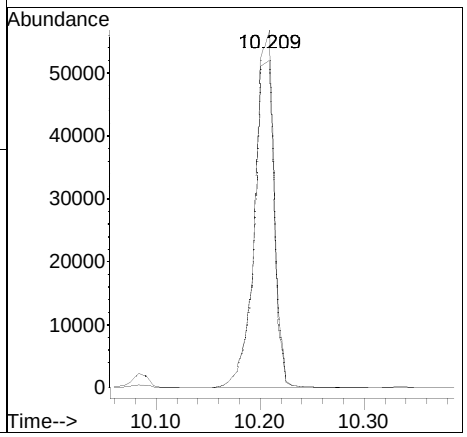


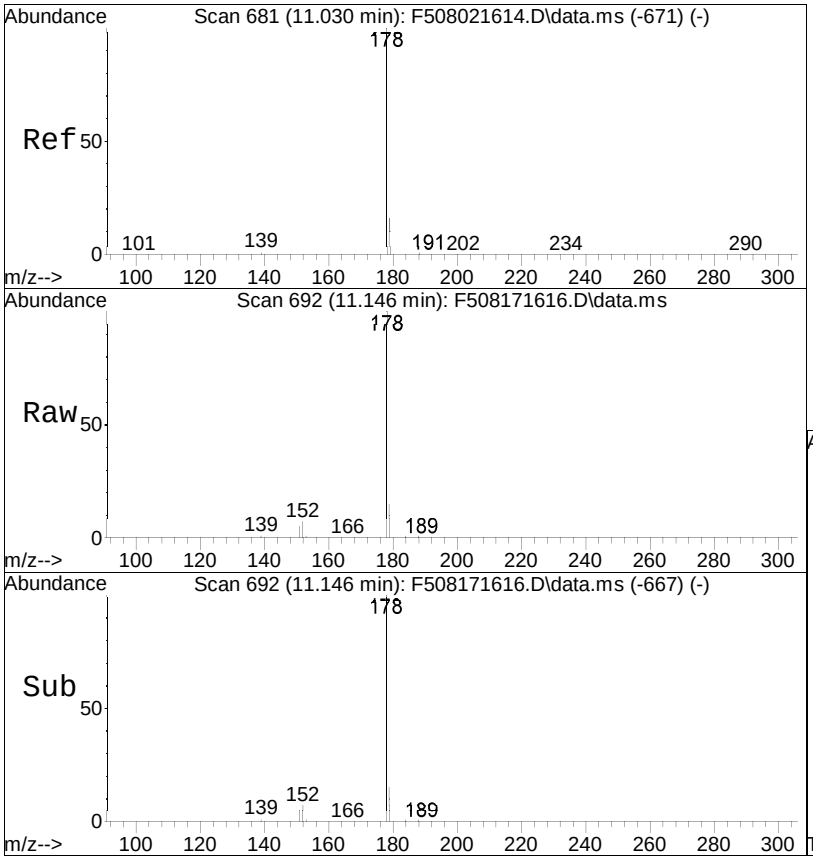


#15
Fluorene
Concen: 377.23 ng/mL
RT: 10.209 min Scan# 573
Delta R.T. 0.000 min
Lab File: F508171616.D
Acq: 17 Aug 2016 9:38 pm

Tgt Ion:166 Resp: 71924

Ion	Ratio	Lower	Upper
166	100		
165	91.6	72.8	109.2

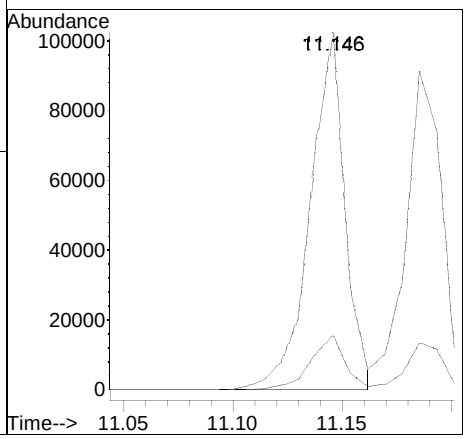


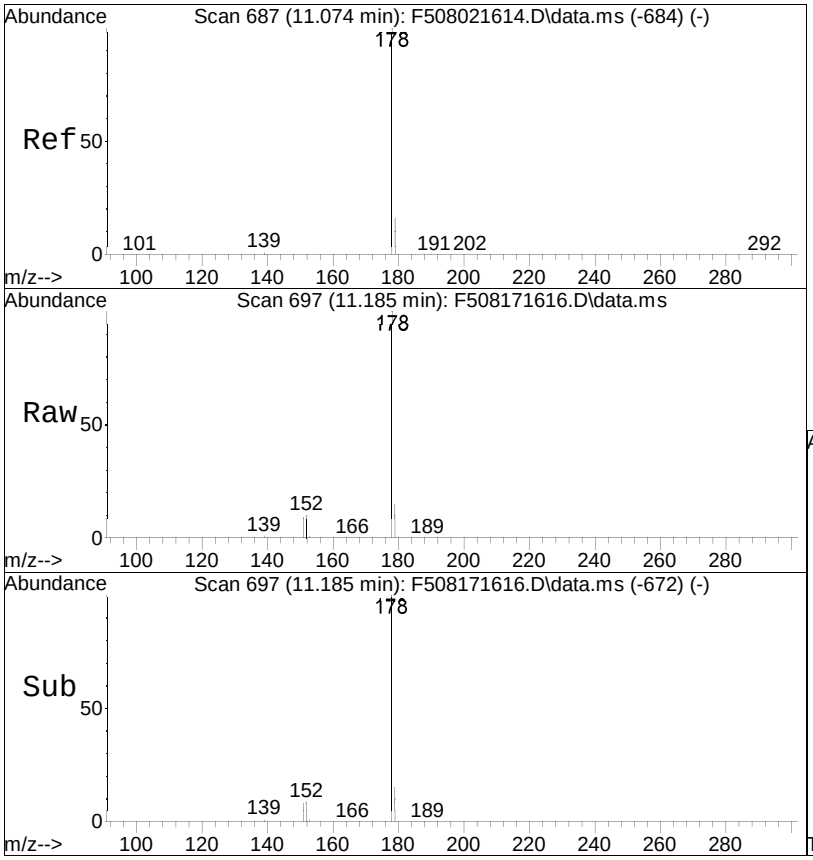


#19
Phenanthrene
Concen: 404.14 ng/mL
RT: 11.146 min Scan# 692
Delta R.T. 0.000 min
Lab File: F508171616.D
Acq: 17 Aug 2016 9:38 pm

Tgt Ion:178 Resp: 113478

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5

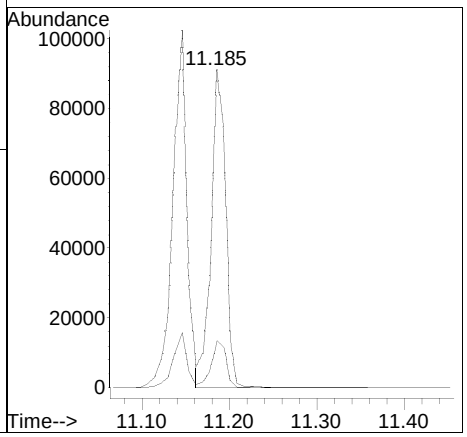


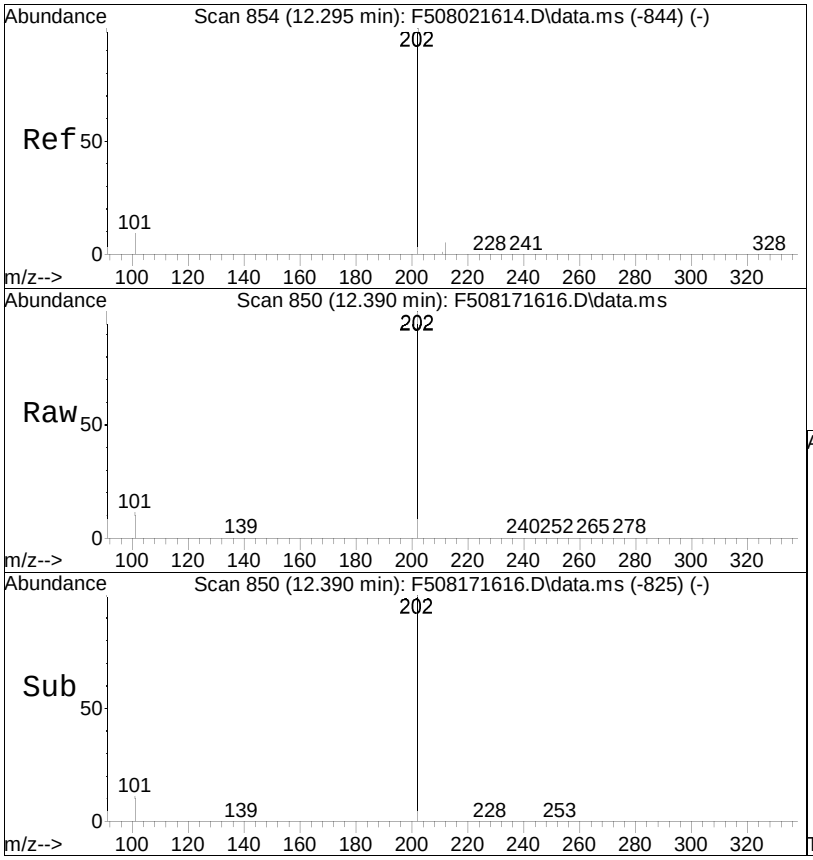


#20
Anthracene
Concen: 387.12 ng/mL
RT: 11.185 min Scan# 697
Delta R.T. 0.000 min
Lab File: F508171616.D
Acq: 17 Aug 2016 9:38 pm

Tgt Ion:178 Resp: 104346

Ion	Ratio	Lower	Upper
178	100		
179	14.8	12.1	18.1

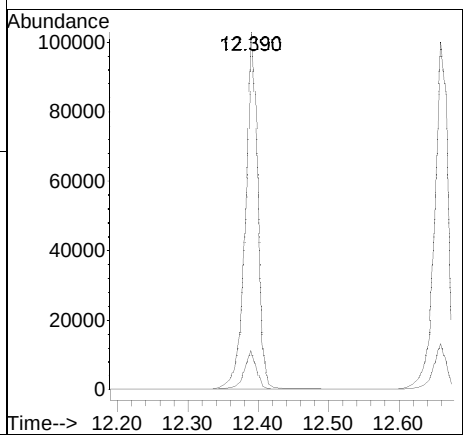


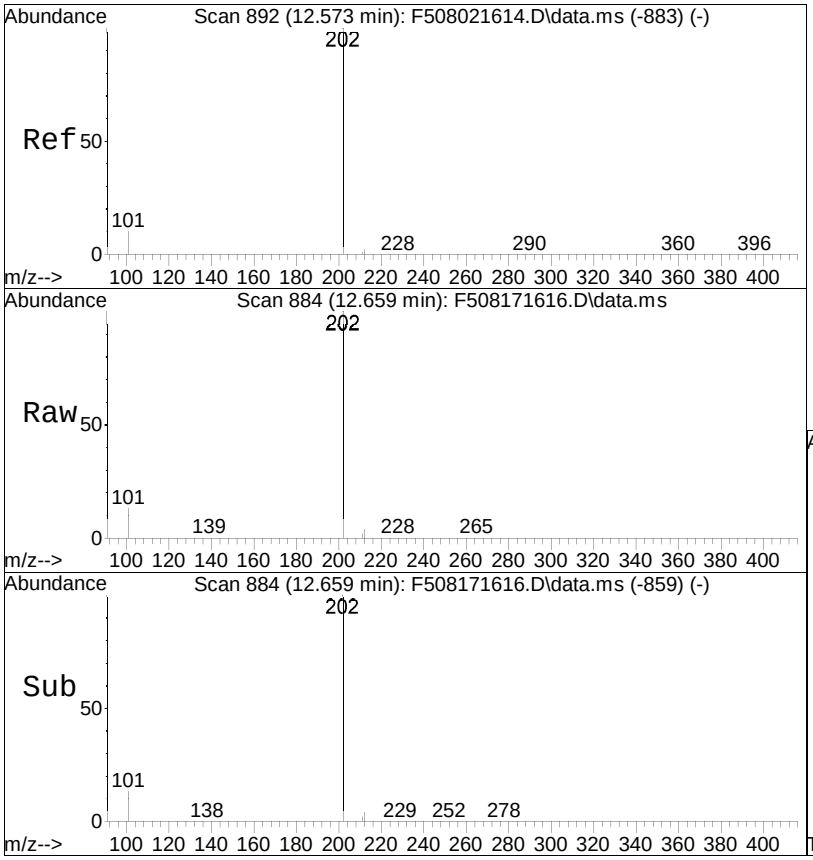


#23
Fluoranthene
Concen: 412.09 ng/mL
RT: 12.390 min Scan# 850
Delta R.T. 0.000 min
Lab File: F508171616.D
Acq: 17 Aug 2016 9:38 pm

Tgt Ion:202 Resp: 126445

Ion	Ratio	Lower	Upper
202	100		
101	11.0	9.6	14.4

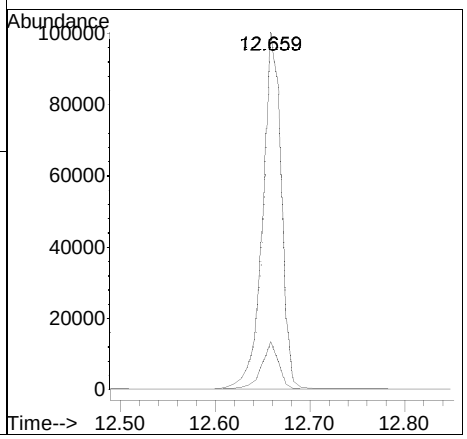


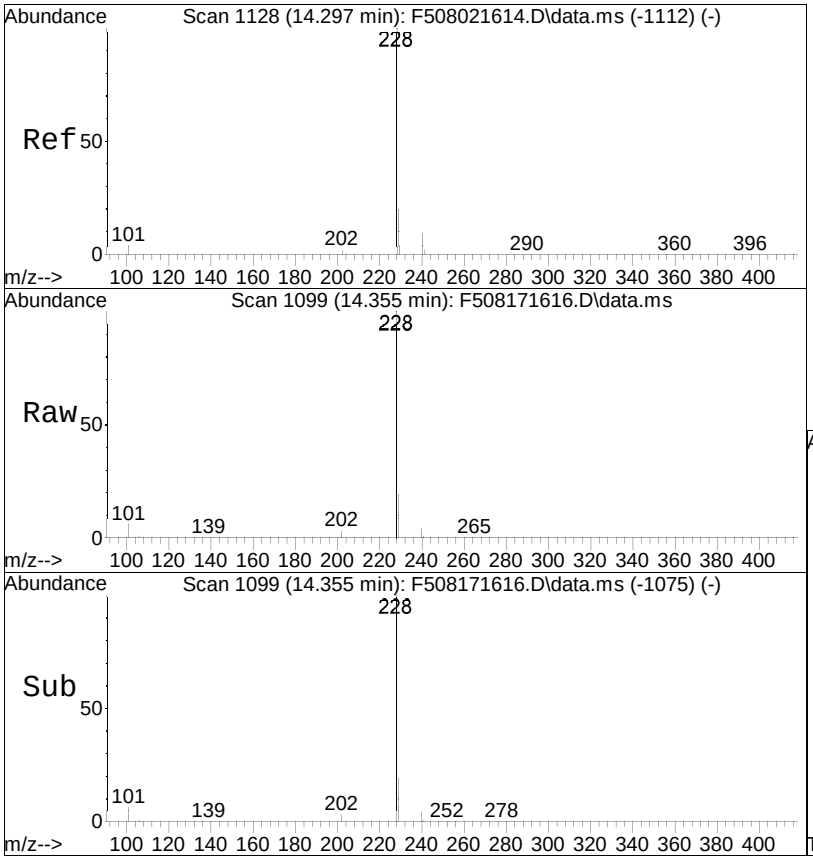


#26
Pyrene
Concen: 404.63 ng/mL
RT: 12.659 min Scan# 884
Delta R.T. 0.000 min
Lab File: F508171616.D
Acq: 17 Aug 2016 9:38 pm

Tgt Ion:202 Resp: 133658

Ion	Ratio	Lower	Upper
202	100		
101	13.4	11.4	17.0

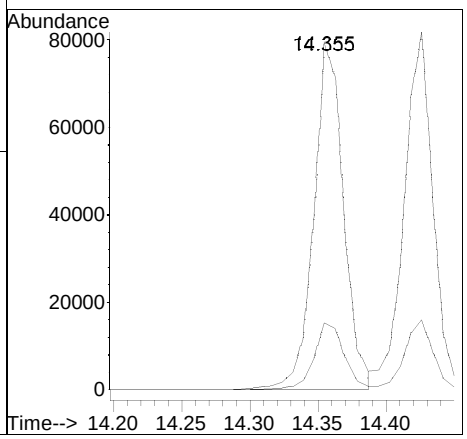


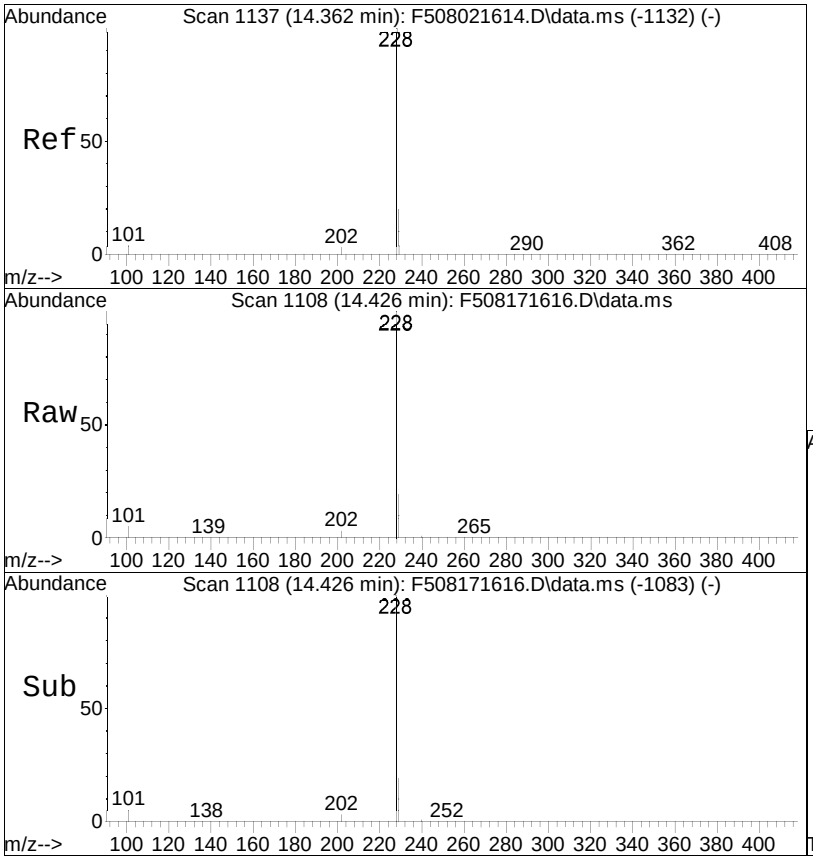


#27
Benz[a]anthracene
Concen: 404.39 ng/mL
RT: 14.355 min Scan# 1099
Delta R.T. -0.008 min
Lab File: F508171616.D
Acq: 17 Aug 2016 9:38 pm

Tgt Ion:228 Resp: 120637

Ion	Ratio	Lower	Upper
228	100		
229	19.1	15.4	23.0

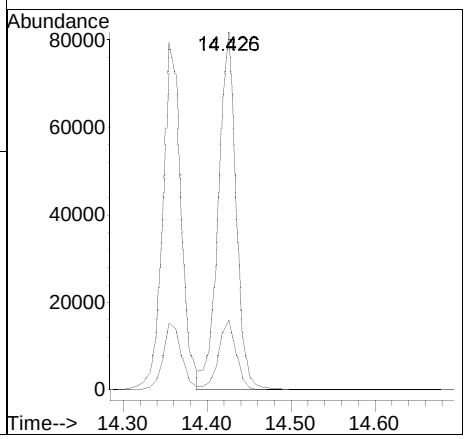


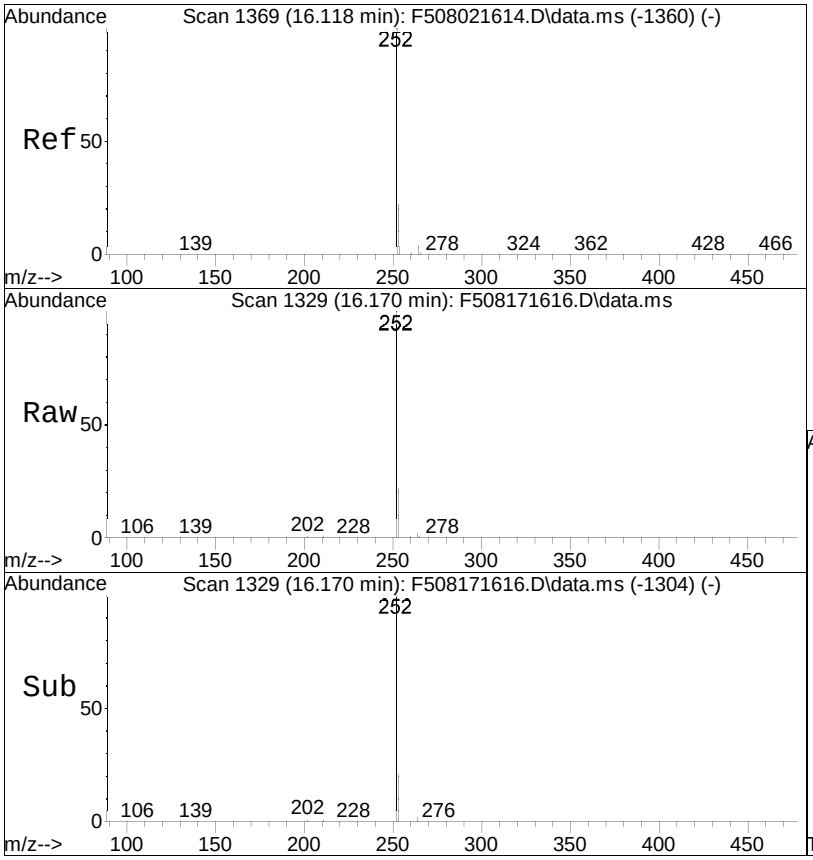


#28
Chrysene
Concen: 427.17 ng/mL
RT: 14.426 min Scan# 1108
Delta R.T. 0.000 min
Lab File: F508171616.D
Acq: 17 Aug 2016 9:38 pm

Tgt Ion:228 Resp: 120311

Ion	Ratio	Lower	Upper
228	100		
229	19.4	15.6	23.4

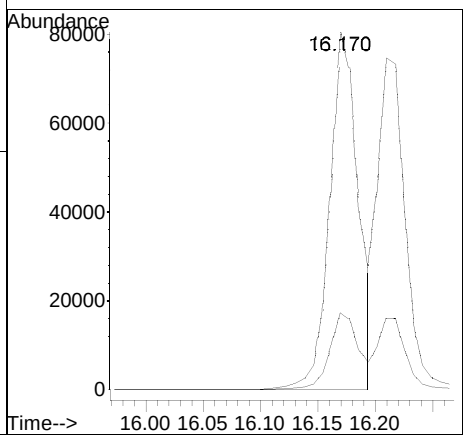


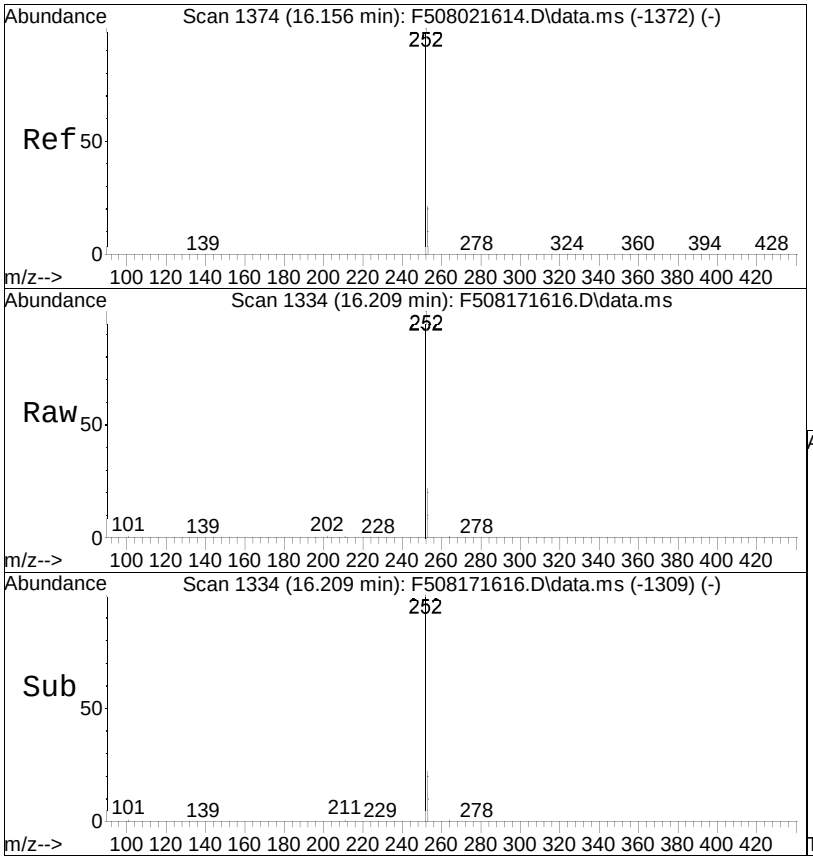


#32
Benzo[b]fluoranthene
Concen: 445.53 ng/mL
RT: 16.170 min Scan# 1329
Delta R.T. 0.000 min
Lab File: F508171616.D
Acq: 17 Aug 2016 9:38 pm

Tgt Ion:252 Resp: 140454

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0

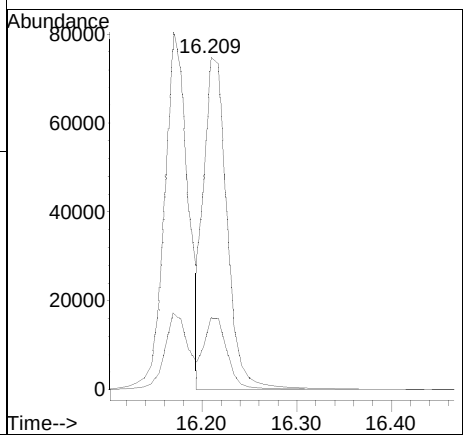


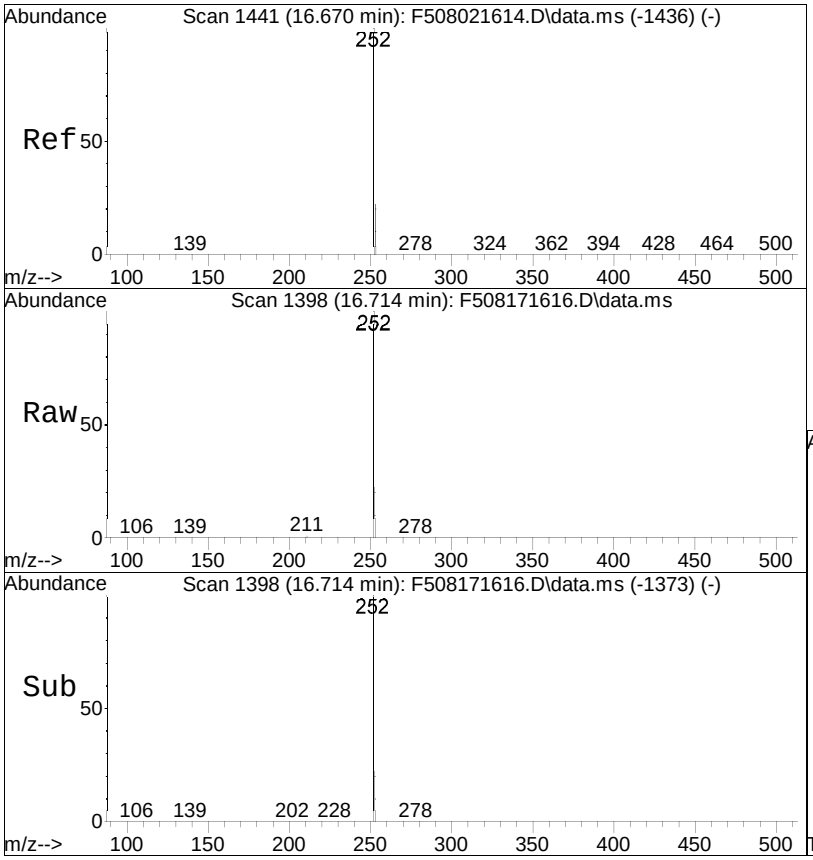


#33
Benzo[k]fluoranthene
Concen: 473.51 ng/mL
RT: 16.209 min Scan# 1334
Delta R.T. 0.000 min
Lab File: F508171616.D
Acq: 17 Aug 2016 9:38 pm

Tgt Ion:252 Resp: 124599

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0

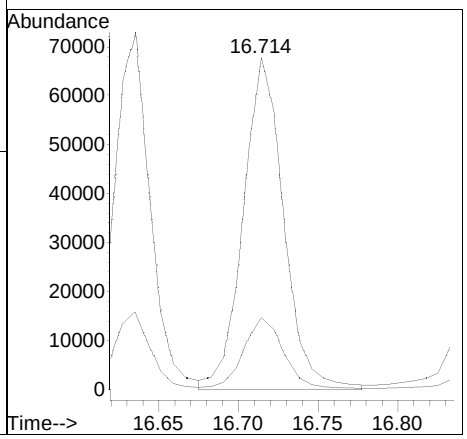


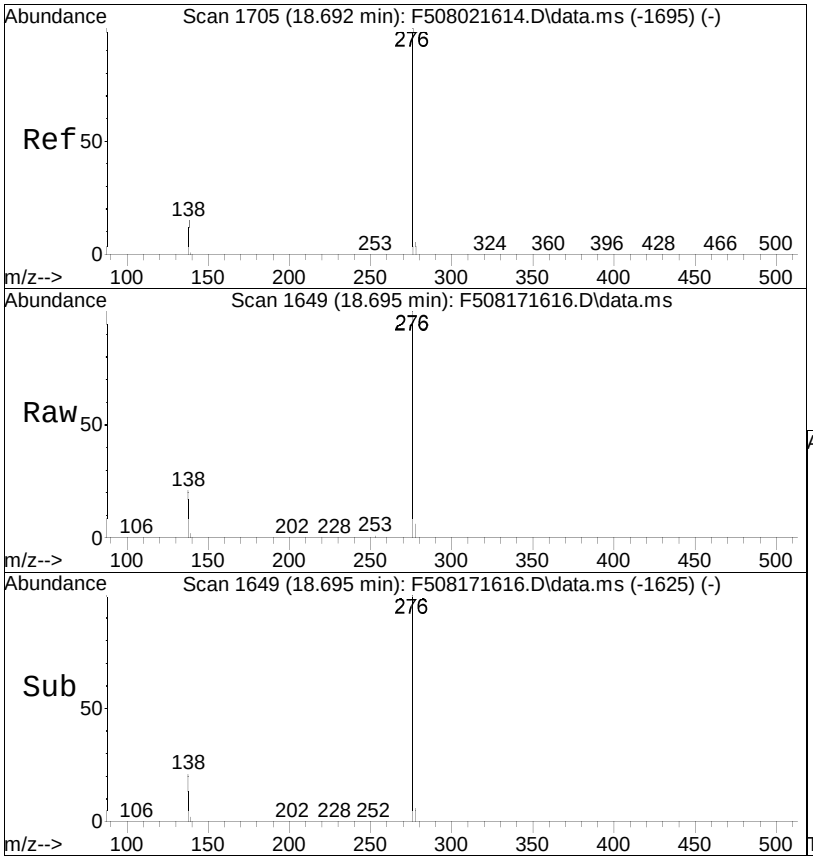


#35
Benzo[a]pyrene
Concen: 431.05 ng/mL M4
RT: 16.714 min Scan# 1398
Delta R.T. 0.000 min
Lab File: F508171616.D
Acq: 17 Aug 2016 9:38 pm

Tgt Ion:252 Resp: 119011

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2

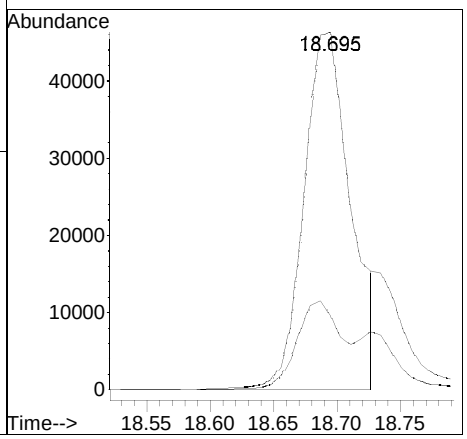


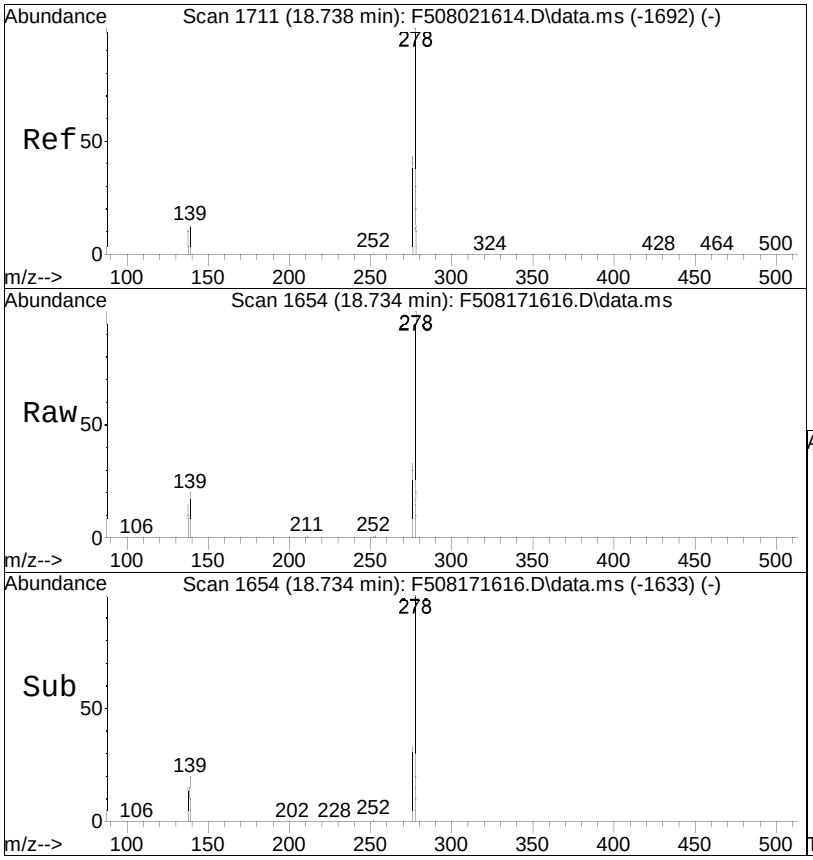


#37
Indeno[1,2,3-cd]pyrene
Concen: 404.16 ng/mL M4
RT: 18.695 min Scan# 1649
Delta R.T. 0.000 min
Lab File: F508171616.D
Acq: 17 Aug 2016 9:38 pm

Tgt Ion:276 Resp: 118574

Ion	Ratio	Lower	Upper
276	100		
138	20.7	21.4	32.2#

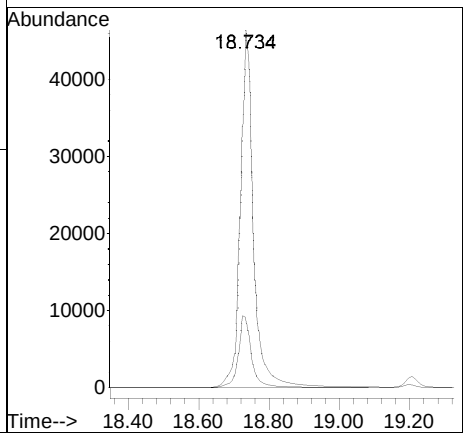


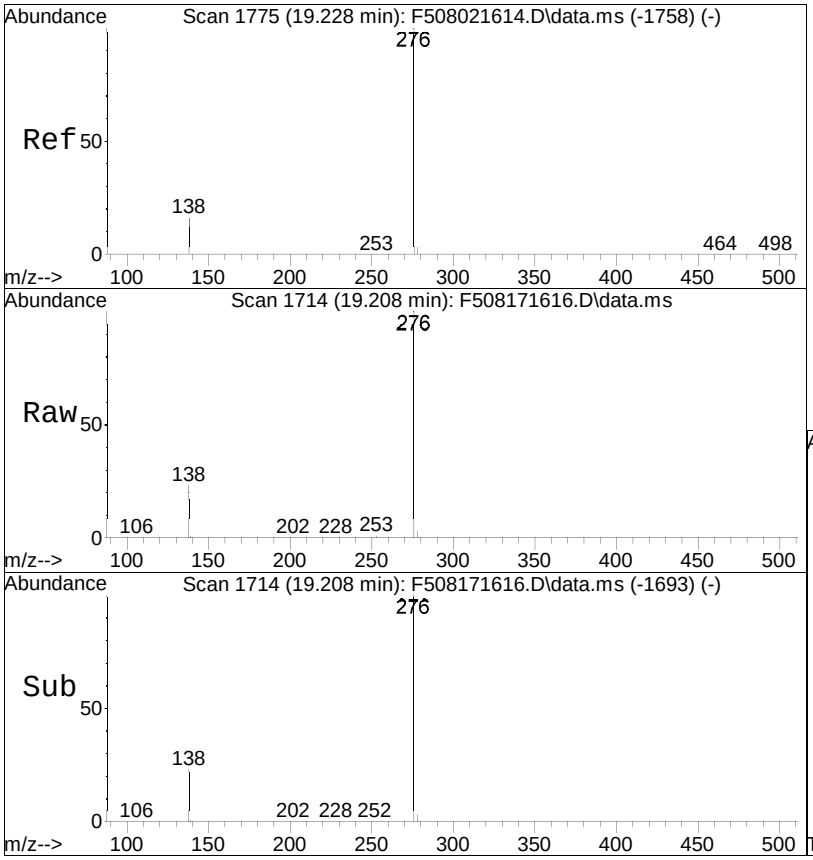


#38
Dibenz[a,h]anthracene
Concen: 408.75 ng/mL
RT: 18.734 min Scan# 1654
Delta R.T. 0.000 min
Lab File: F508171616.D
Acq: 17 Aug 2016 9:38 pm

Tgt Ion:278 Resp: 118570

Ion	Ratio	Lower	Upper
278	100		
139	19.7	18.2	27.2

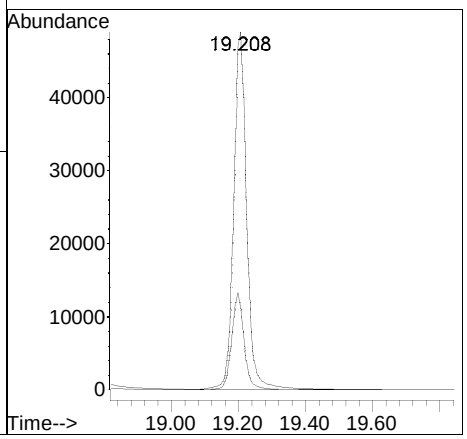




#39
Benzo[g,h,i]perylene
Concen: 421.94 ng/mL
RT: 19.208 min Scan# 1714
Delta R.T. 0.000 min
Lab File: F508171616.D
Acq: 17 Aug 2016 9:38 pm

Tgt Ion:276 Resp: 126505

Ion	Ratio	Lower	Upper
276	100		
138	22.6	33.5	50.3#



LCS Duplicate Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171617.D
Acq On : 17 Aug 2016 10:12 pm
Operator : PAH5:DP
Sample : WG923129-3
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 18 12:31:02 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.946	136	118560	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.682	164	59283	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.122	188	118559	500.000	ng/mL	0.00
24) Chrysene-d12	14.387	240	119210	500.000	ng/mL	0.00
29) Perylene-d12	16.817	264	115738	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.611	152	52471	381.495	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 7.63%#			
25) Pyrene-d10	12.643	212	93562	447.003	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.94%#			
31) Benzo[b]fluoranthene-d12	16.130	264	93530	462.094	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 9.24%#			
Target Compounds						Qvalue
2) Naphthalene	7.960	128	94141	376.709	ng/mL	100
5) 2-Methylnaphthalene	8.640	142	63287	423.389	ng/mL	100
12) Acenaphthylene	9.532	152	103908	386.568	ng/mL	99
13) Acenaphthene	9.713	153	64253	394.966	ng/mL	99
15) Fluorene	10.201	166	74036	401.393	ng/mL	92
19) Phenanthrene	11.146	178	116288	422.431	ng/mL	100
20) Anthracene	11.185	178	109594	414.722	ng/mL	100
23) Fluoranthene	12.390	202	132254	439.646	ng/mL	97
26) Pyrene	12.659	202	140144	432.583	ng/mL	96
27) Benz[a]anthracene	14.355	228	125086	427.522	ng/mL	100
28) Chrysene	14.426	228	122227	442.482	ng/mL	100
32) Benzo[b]fluoranthene	16.170	252	145821	473.404	ng/mL	100
33) Benzo[k]fluoranthene	16.209	252	127552	496.103	ng/mL	100
35) Benzo[a]pyrene	16.714	252	122655M4	454.661	ng/mL	
37) Indeno[1,2,3-cd]pyrene	18.695	276	119128M4	415.574	ng/mL	
38) Dibenz[a,h]anthracene	18.734	278	118847	419.317	ng/mL	94
39) Benzo[g,h,i]perylene	19.208	276	128433	438.417	ng/mL#	71

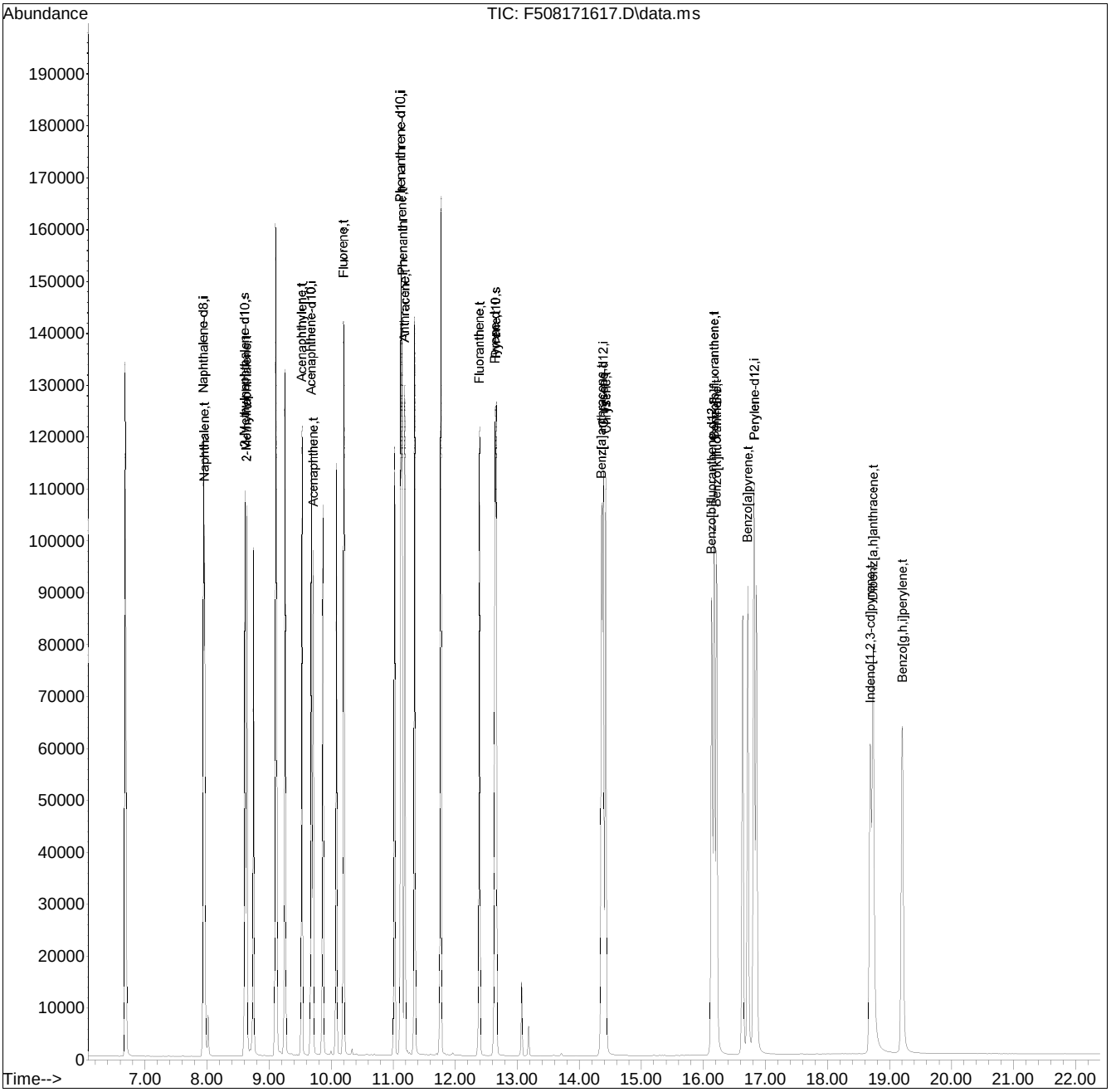
(#) = qualifier out of range (m) = manual integration (+) = signals summed

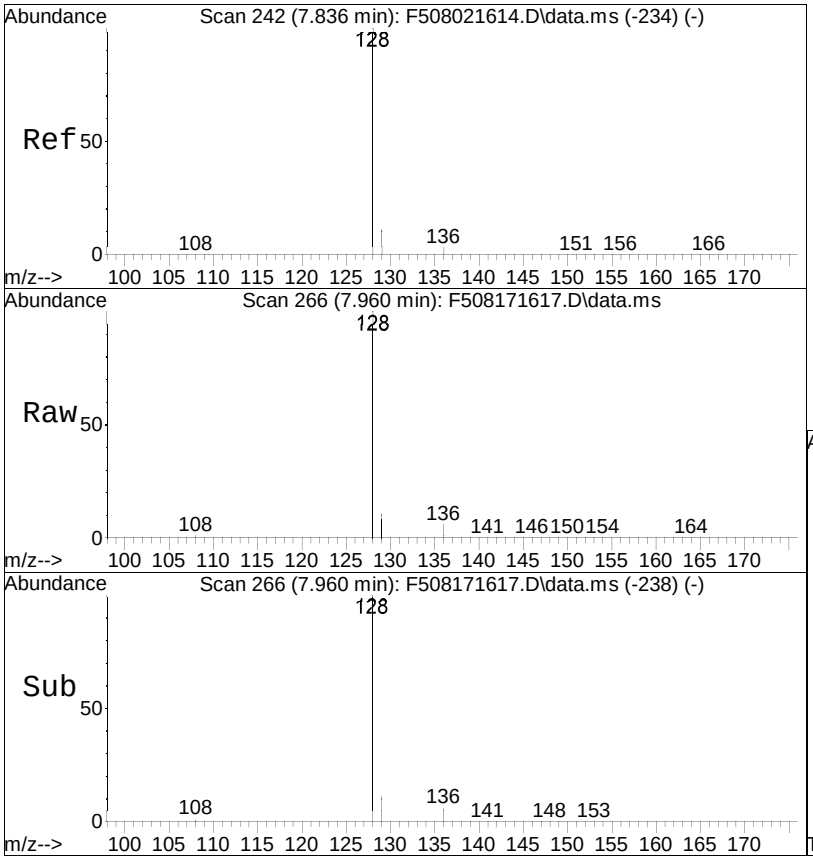
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171617.D
Acq On : 17 Aug 2016 10:12 pm
Operator : PAH5:DP
Sample : WG923129-3
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 18 12:31:02 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

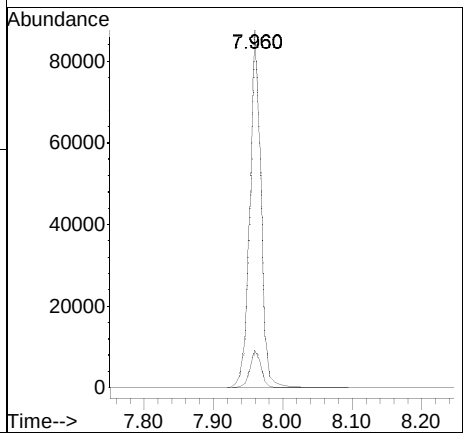


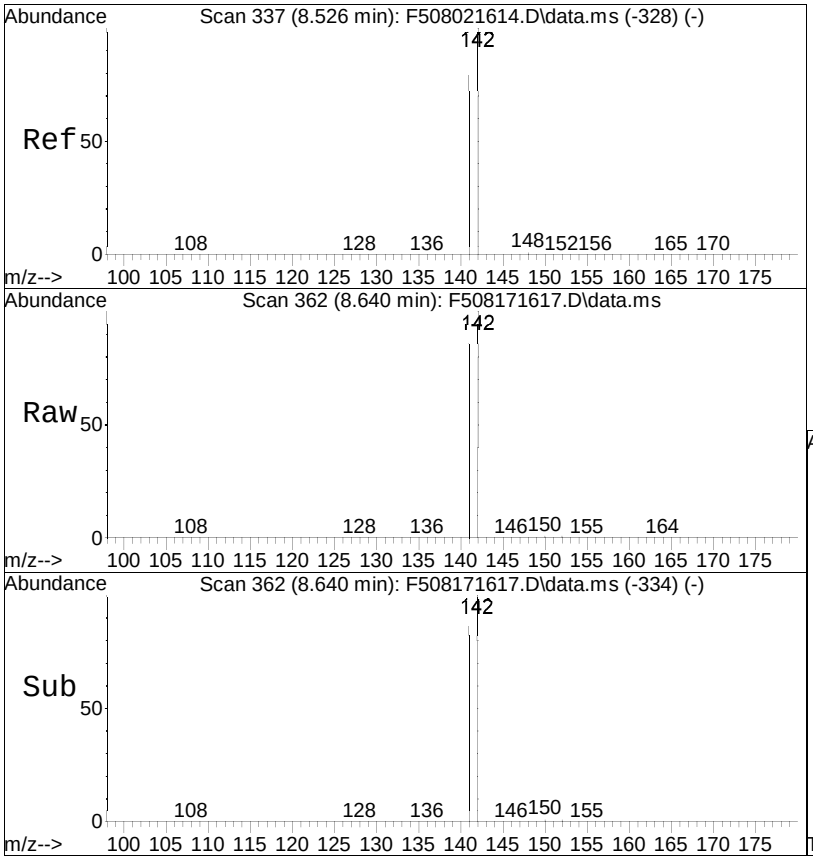


#2
Naphthalene
Concen: 376.71 ng/mL
RT: 7.960 min Scan# 266
Delta R.T. -0.000 min
Lab File: F508171617.D
Acq: 17 Aug 2016 10:12 pm

Tgt Ion:128 Resp: 94141

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0

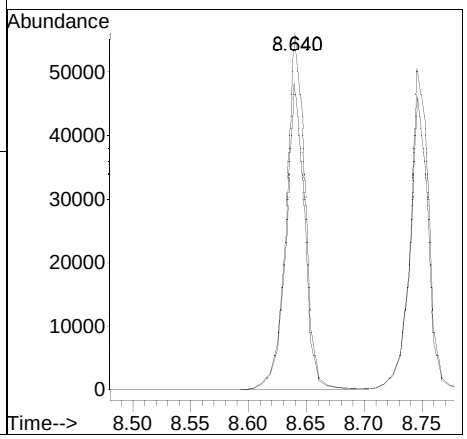


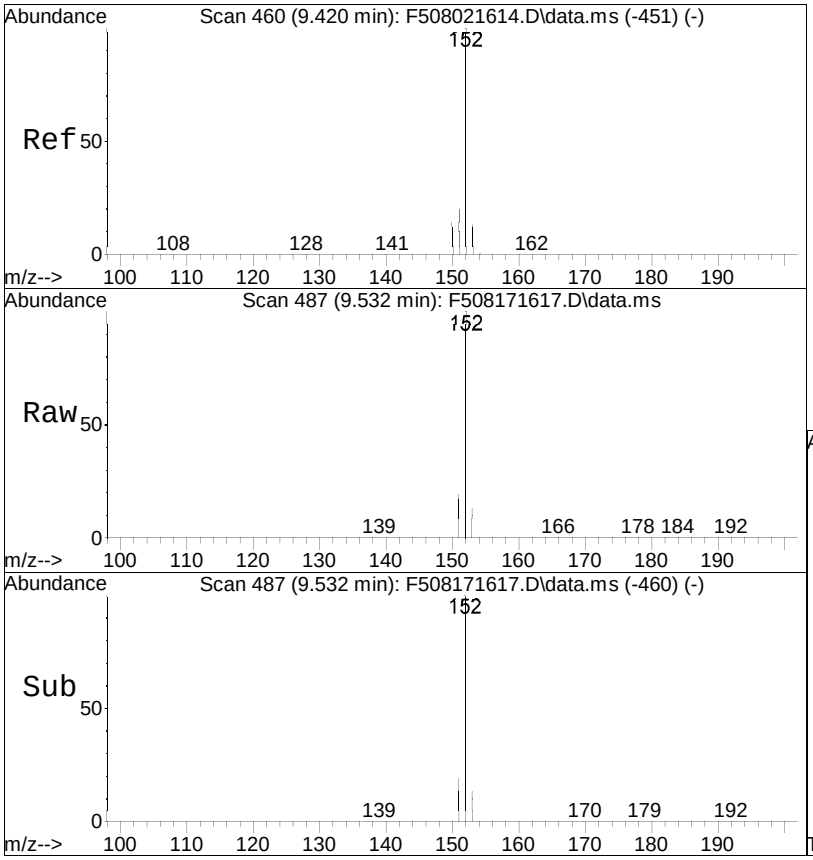


#5
2-Methylnaphthalene
Concen: 423.39 ng/mL
RT: 8.640 min Scan# 362
Delta R.T. -0.000 min
Lab File: F508171617.D
Acq: 17 Aug 2016 10:12 pm

Tgt Ion:142 Resp: 63287

Ion	Ratio	Lower	Upper
142	100		
141	86.0	68.5	102.7

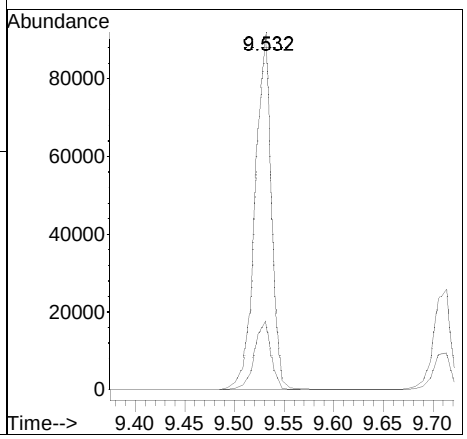


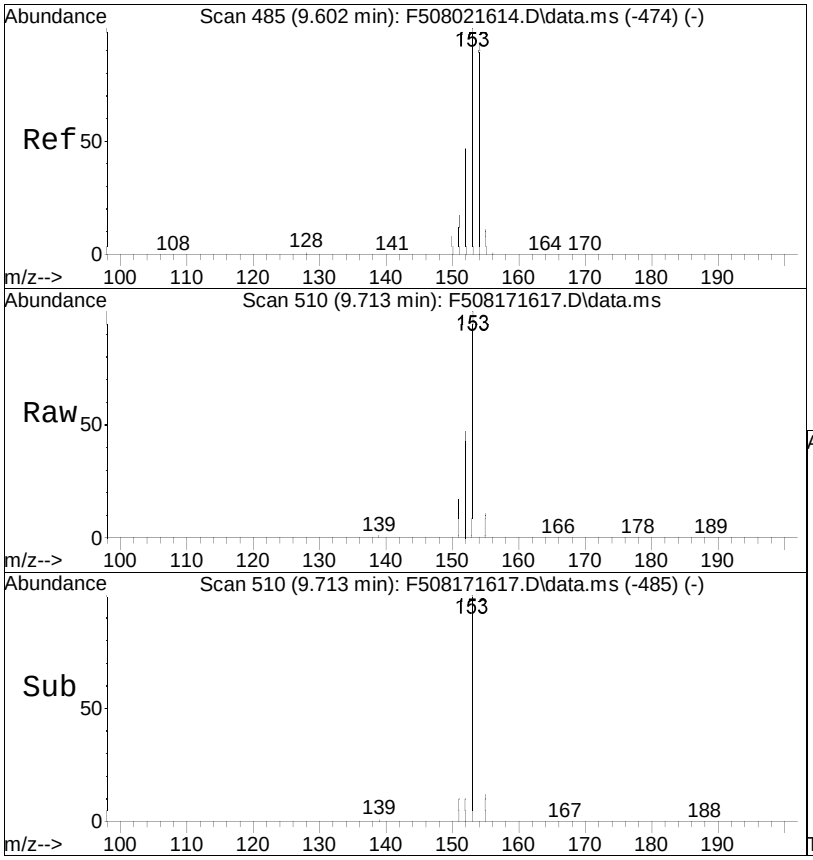


#12
Acenaphthylene
Concen: 386.57 ng/mL
RT: 9.532 min Scan# 487
Delta R.T. -0.000 min
Lab File: F508171617.D
Acq: 17 Aug 2016 10:12 pm

Tgt Ion:152 Resp: 103908

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.9	23.9

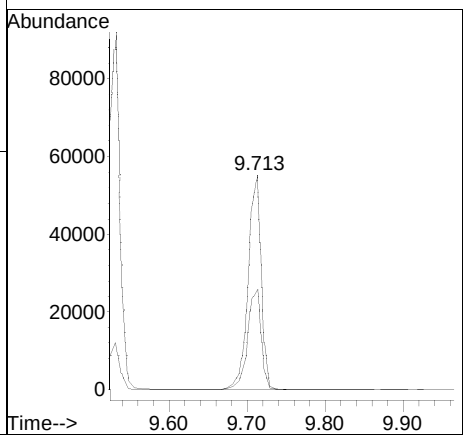


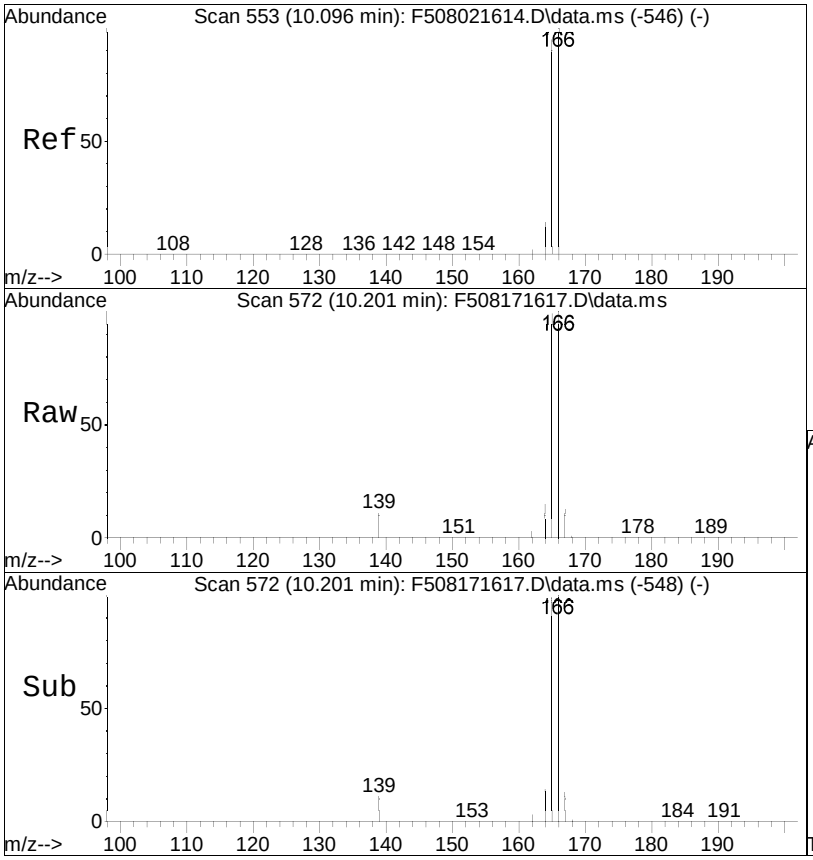


#13
Acenaphthene
Concen: 394.97 ng/mL
RT: 9.713 min Scan# 510
Delta R.T. -0.000 min
Lab File: F508171617.D
Acq: 17 Aug 2016 10:12 pm

Tgt Ion:153 Resp: 64253

Ion	Ratio	Lower	Upper
153	100		
152	46.7	38.0	57.0

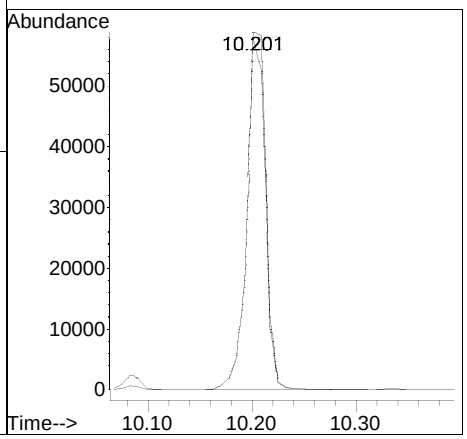


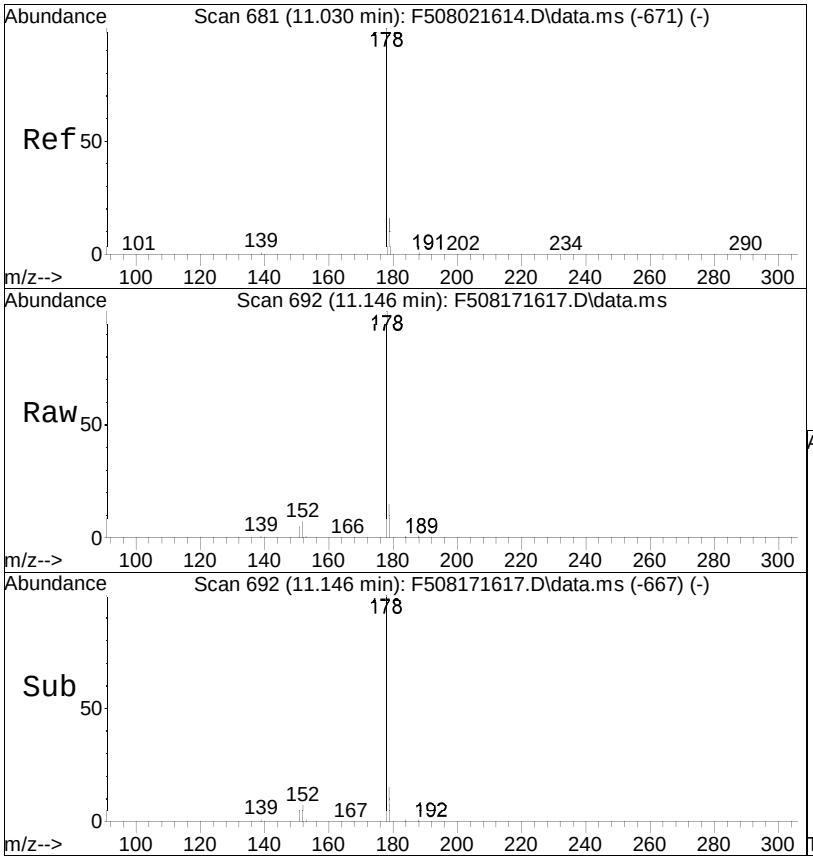


#15
Fluorene
Concen: 401.39 ng/mL
RT: 10.201 min Scan# 572
Delta R.T. -0.008 min
Lab File: F508171617.D
Acq: 17 Aug 2016 10:12 pm

Tgt Ion:166 Resp: 74036

Ion	Ratio	Lower	Upper
166	100		
165	98.6	72.8	109.2

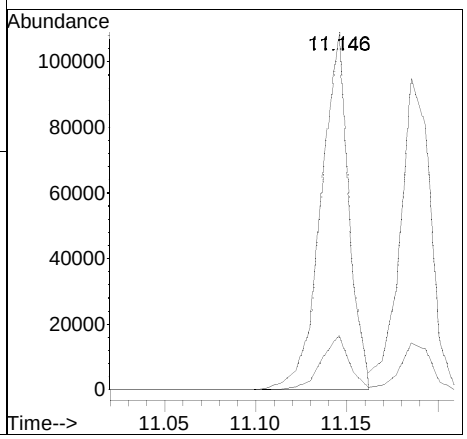


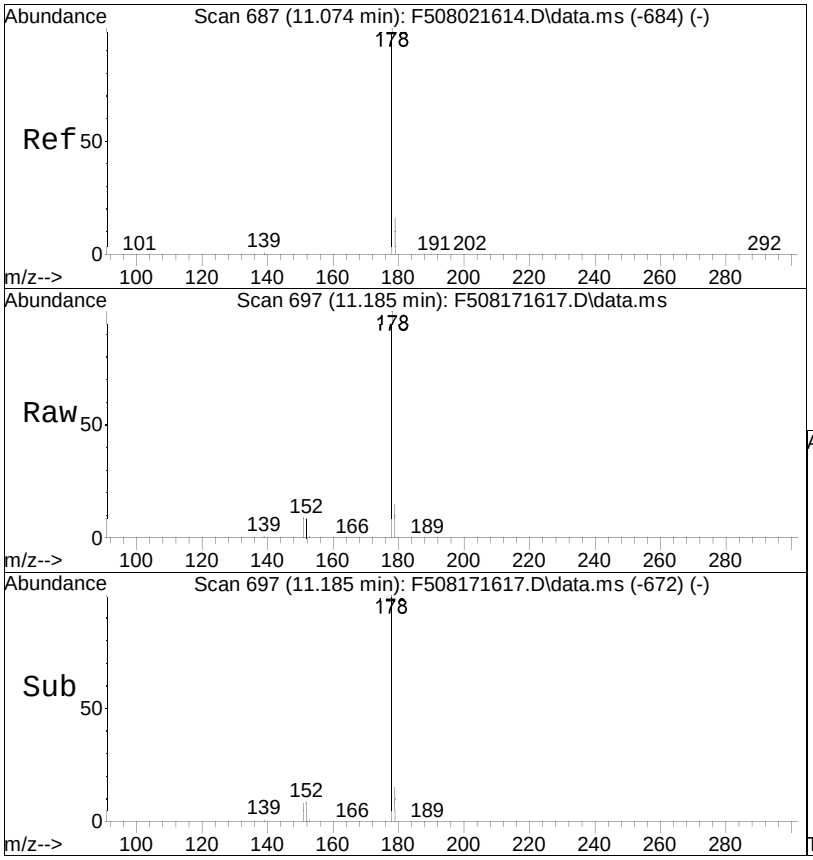


#19
Phenanthrene
Concen: 422.43 ng/mL
RT: 11.146 min Scan# 692
Delta R.T. -0.000 min
Lab File: F508171617.D
Acq: 17 Aug 2016 10:12 pm

Tgt Ion:178 Resp: 116288

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5

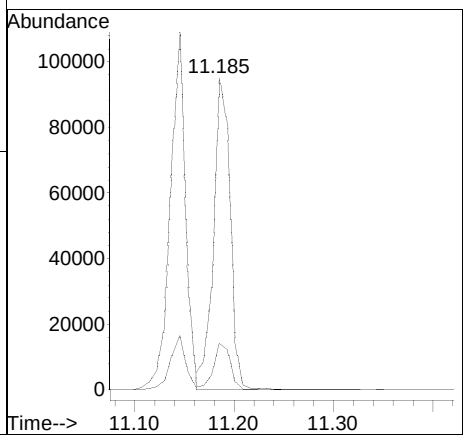


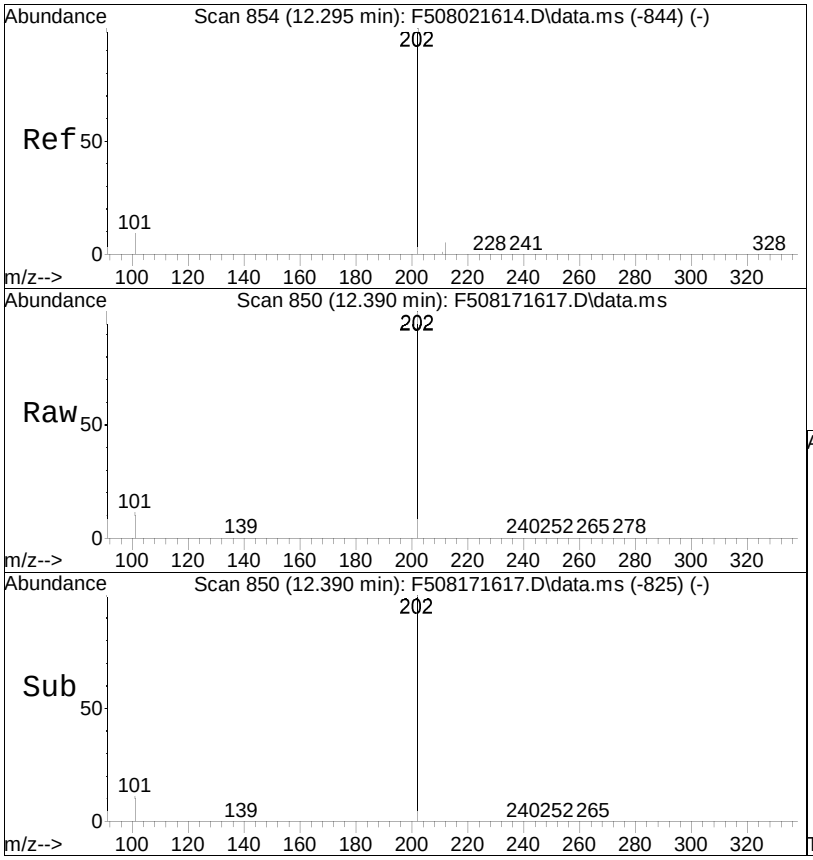


#20
Anthracene
Concen: 414.72 ng/mL
RT: 11.185 min Scan# 697
Delta R.T. -0.000 min
Lab File: F508171617.D
Acq: 17 Aug 2016 10:12 pm

Tgt Ion:178 Resp: 109594

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.1	18.1

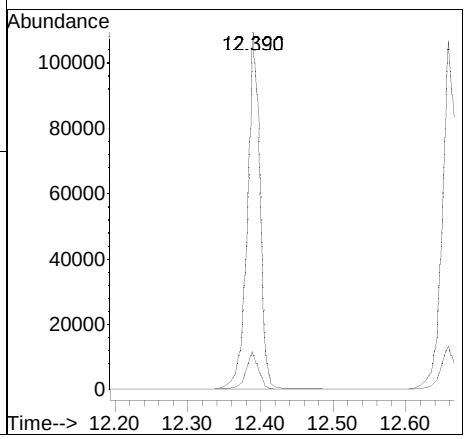


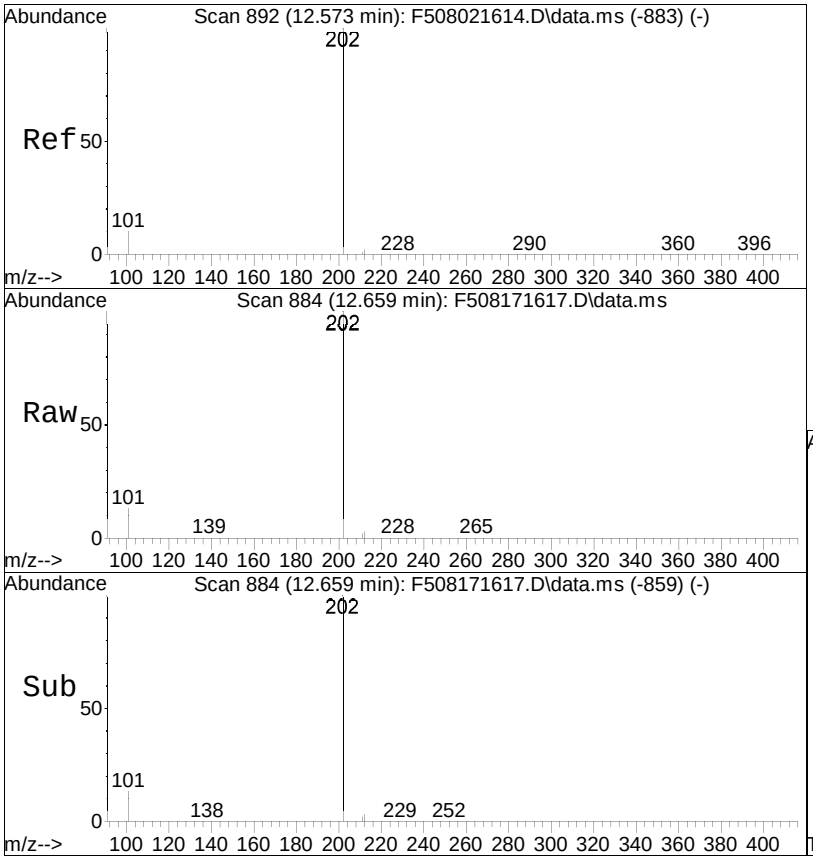


#23
Fluoranthene
Concen: 439.65 ng/mL
RT: 12.390 min Scan# 850
Delta R.T. -0.000 min
Lab File: F508171617.D
Acq: 17 Aug 2016 10:12 pm

Tgt Ion:202 Resp: 132254

Ion	Ratio	Lower	Upper
202	100		
101	10.8	9.6	14.4

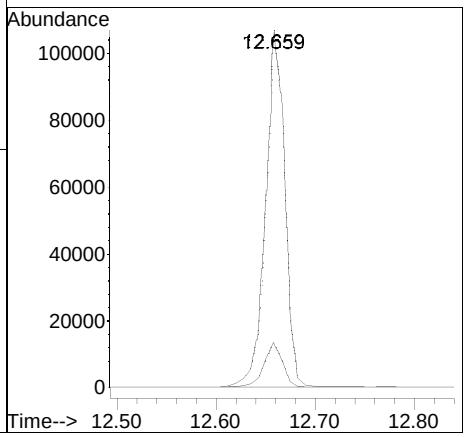


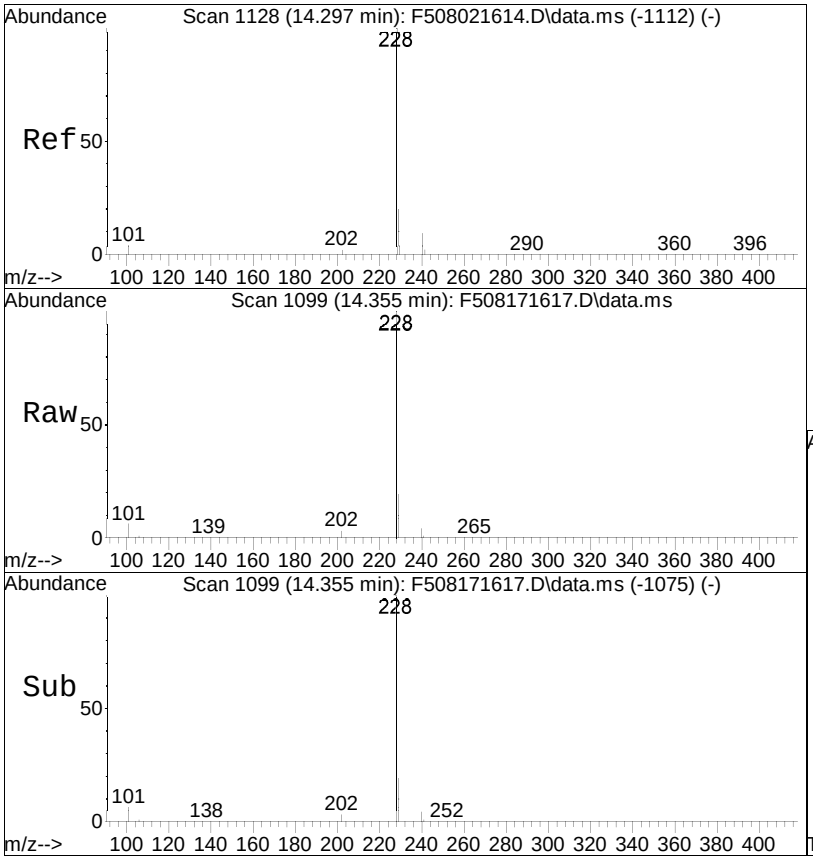


#26
Pyrene
Concen: 432.58 ng/mL
RT: 12.659 min Scan# 884
Delta R.T. -0.000 min
Lab File: F508171617.D
Acq: 17 Aug 2016 10:12 pm

Tgt Ion:202 Resp: 140144

Ion	Ratio	Lower	Upper
202	100		
101	12.7	11.4	17.0

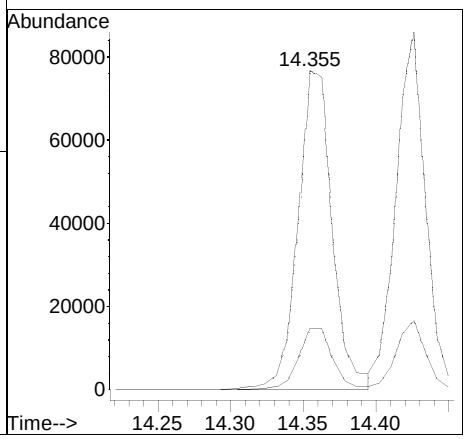


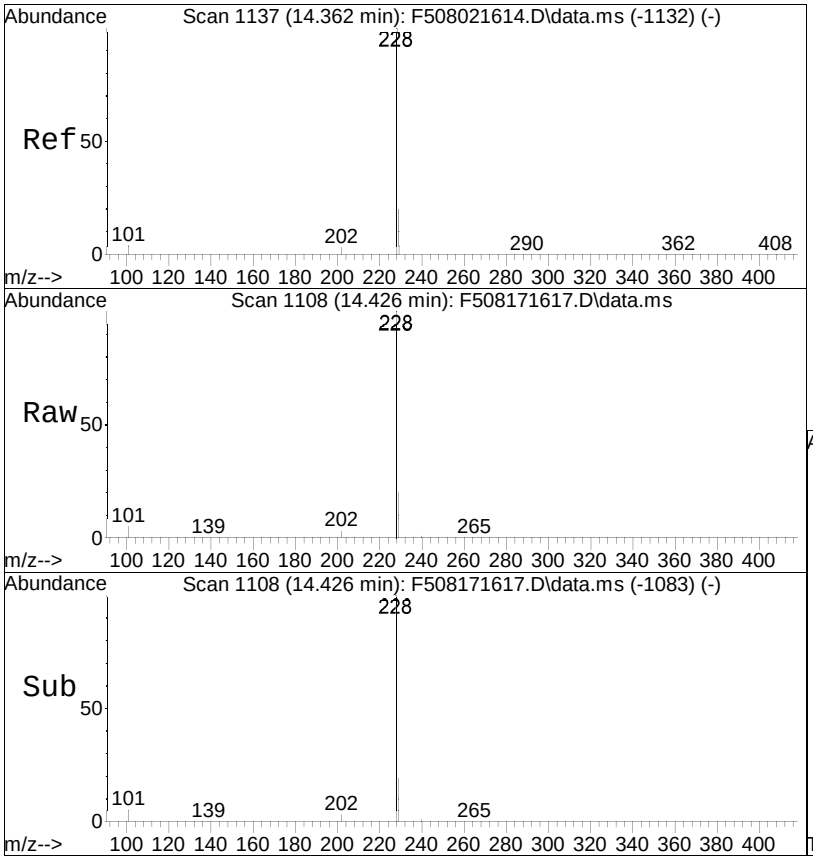


#27
Benz[a]anthracene
Concen: 427.52 ng/mL
RT: 14.355 min Scan# 1099
Delta R.T. -0.008 min
Lab File: F508171617.D
Acq: 17 Aug 2016 10:12 pm

Tgt Ion:228 Resp: 125086

Ion	Ratio	Lower	Upper
228	100		
229	19.3	15.4	23.0

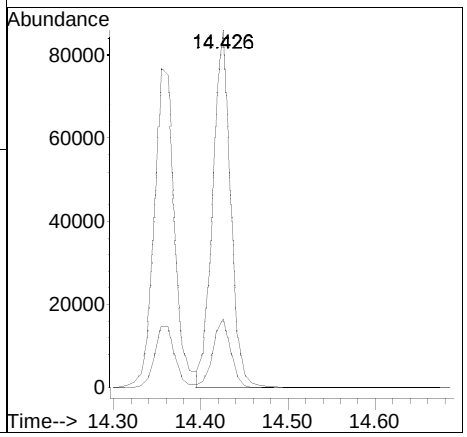


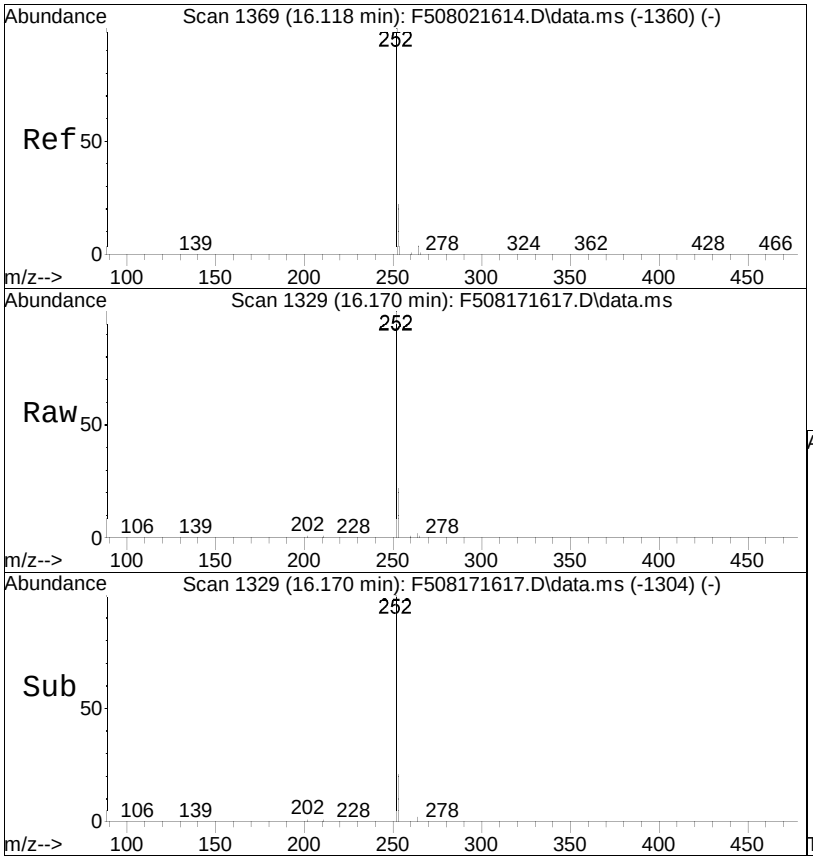


#28
Chrysene
Concen: 442.48 ng/mL
RT: 14.426 min Scan# 1108
Delta R.T. -0.000 min
Lab File: F508171617.D
Acq: 17 Aug 2016 10:12 pm

Tgt Ion:228 Resp: 122227

Ion	Ratio	Lower	Upper
228	100		
229	19.5	15.6	23.4

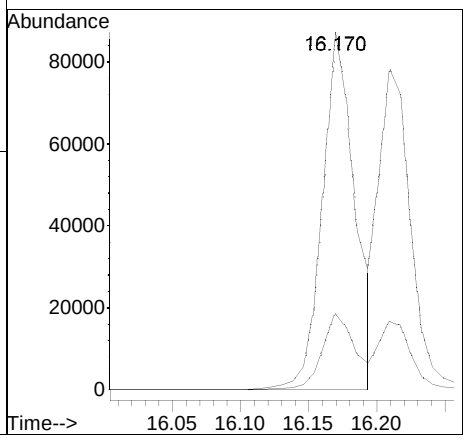


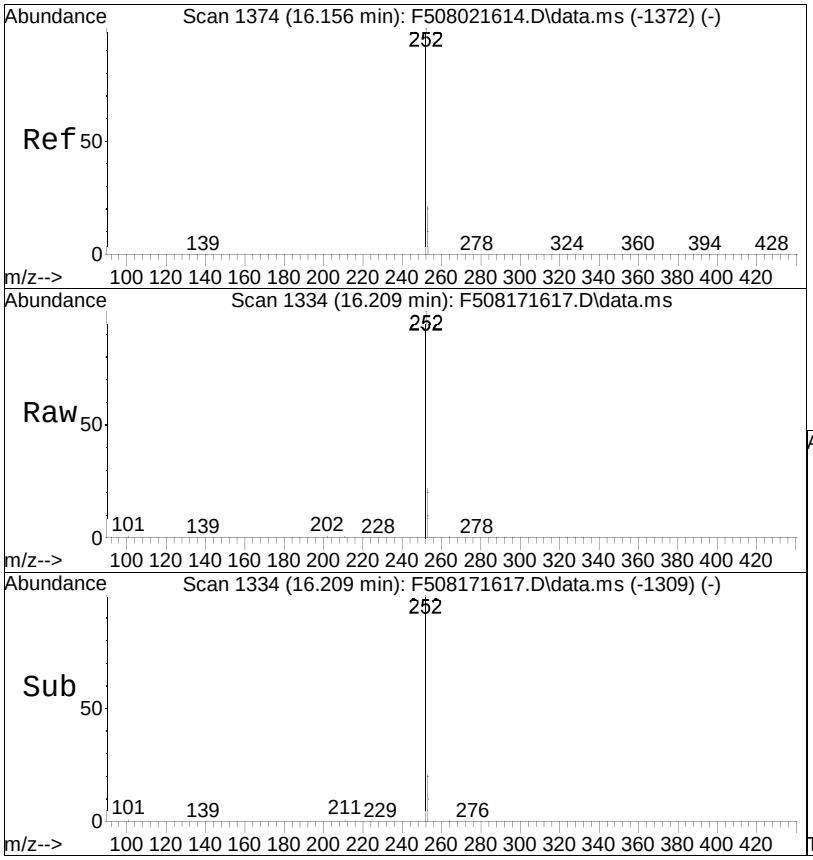


#32
Benzo[b]fluoranthene
Concen: 473.40 ng/mL
RT: 16.170 min Scan# 1329
Delta R.T. -0.000 min
Lab File: F508171617.D
Acq: 17 Aug 2016 10:12 pm

Tgt Ion:252 Resp: 145821

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.0

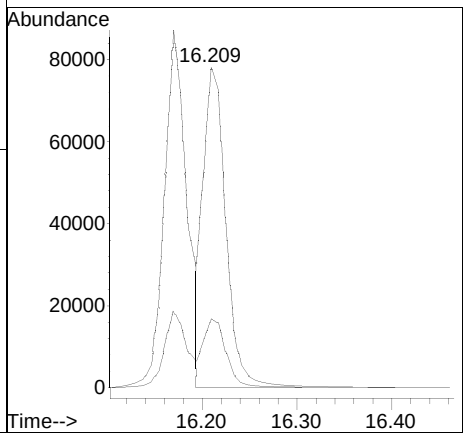


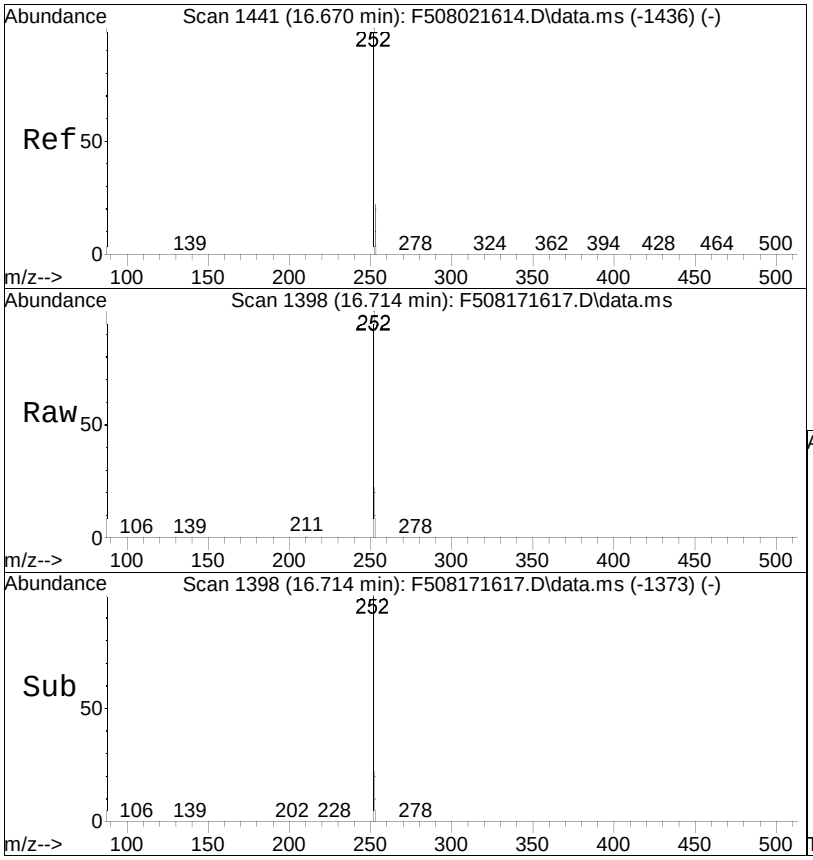


#33
Benzo[k]fluoranthene
Concen: 496.10 ng/mL
RT: 16.209 min Scan# 1334
Delta R.T. -0.000 min
Lab File: F508171617.D
Acq: 17 Aug 2016 10:12 pm

Tgt Ion:252 Resp: 127552

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.0

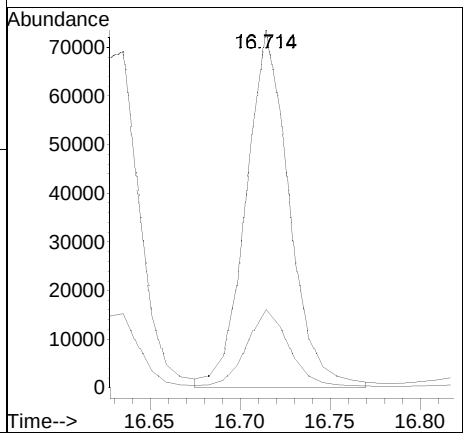


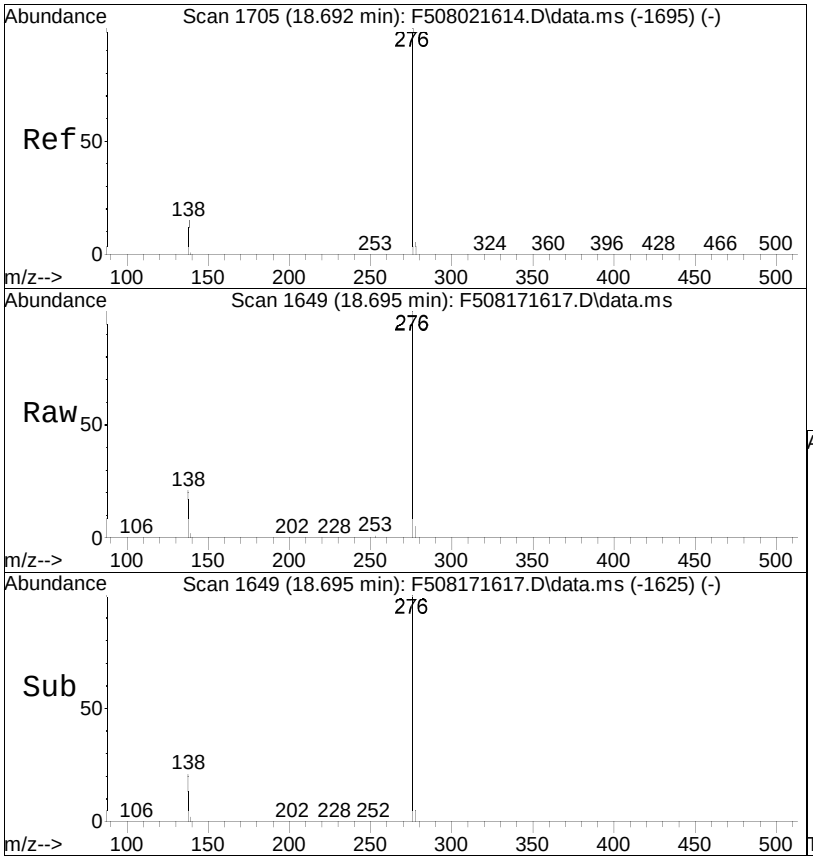


#35
Benzo[a]pyrene
Concen: 454.66 ng/mL M4
RT: 16.714 min Scan# 1398
Delta R.T. -0.000 min
Lab File: F508171617.D
Acq: 17 Aug 2016 10:12 pm

Tgt Ion:252 Resp: 122655

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2

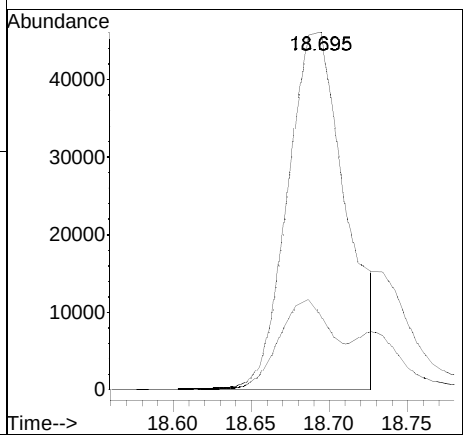


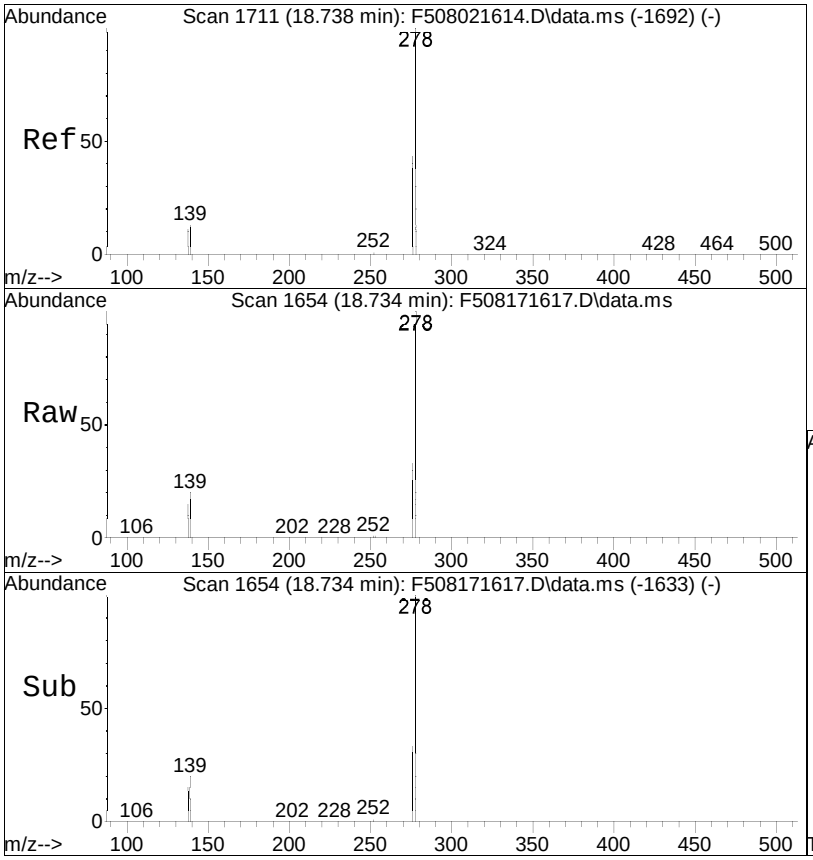


#37
Indeno[1,2,3-cd]pyrene
Concen: 415.57 ng/mL M4
RT: 18.695 min Scan# 1649
Delta R.T. -0.000 min
Lab File: F508171617.D
Acq: 17 Aug 2016 10:12 pm

Tgt Ion:276 Resp: 119128

Ion	Ratio	Lower	Upper
276	100		
138	20.8	21.4	32.2#

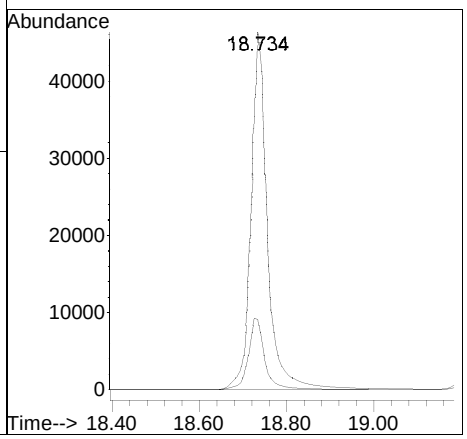


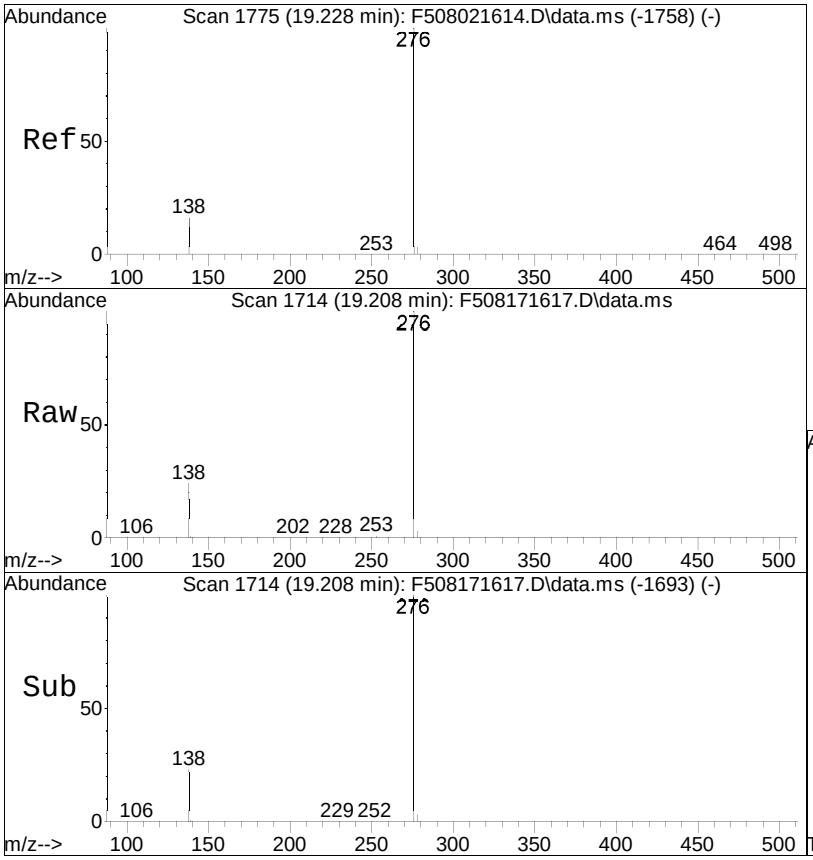


#38
Dibenz[a,h]anthracene
Concen: 419.32 ng/mL
RT: 18.734 min Scan# 1654
Delta R.T. -0.000 min
Lab File: F508171617.D
Acq: 17 Aug 2016 10:12 pm

Tgt Ion:278 Resp: 118847

Ion	Ratio	Lower	Upper
278	100		
139	19.6	18.2	27.2

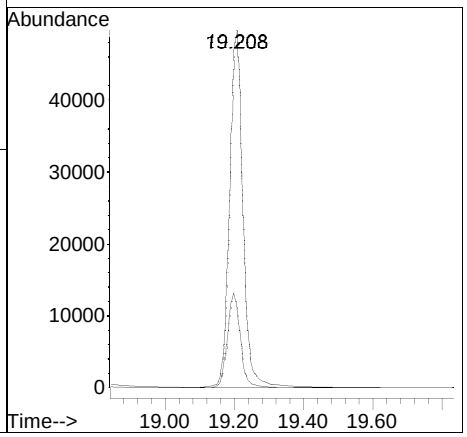




#39
Benzo[g,h,i]perylene
Concen: 438.42 ng/mL
RT: 19.208 min Scan# 1714
Delta R.T. -0.000 min
Lab File: F508171617.D
Acq: 17 Aug 2016 10:12 pm

Tgt Ion:276 Resp: 128433

Ion	Ratio	Lower	Upper
276	100		
138	23.6	33.5	50.3#



Matrix Spike / Matrix Spike Duplicate Raw Data

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171621.D
Acq On : 18 Aug 2016 12:29 am
Operator : PAH5:DP
Sample : WG923129-4
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 18 12:34:39 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.946	136	131419	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.682	164	65151	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.123	188	125785	500.000	ng/mL	0.00
24) Chrysene-d12	14.387	240	128381	500.000	ng/mL	0.00
29) Perylene-d12	16.817	264	127376	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.611	152	54348	356.478	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 7.13%#			
25) Pyrene-d10	12.643	212	95786	424.938	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.50%#			
31) Benzo[b]fluoranthene-d12	16.131	264	96617	433.732	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.67%#			
Target Compounds						Qvalue
2) Naphthalene	7.967	128	91369	329.842	ng/mL	100
5) 2-Methylnaphthalene	8.640	142	61705	372.414	ng/mL	98
12) Acenaphthylene	9.532	152	103949	351.890	ng/mL	99
13) Acenaphthene	9.713	153	63786	356.780	ng/mL	100
15) Fluorene	10.209	166	75002	370.006	ng/mL	99
19) Phenanthrene	11.146	178	121251	415.157	ng/mL	100
20) Anthracene	11.185	178	113378	404.394	ng/mL	100
23) Fluoranthene	12.391	202	140443	440.048	ng/mL	97
26) Pyrene	12.659	202	146844	420.884	ng/mL	97
27) Benz[a]anthracene	14.363	228	134167	425.802	ng/mL	99
28) Chrysene	14.426	228	125317	421.260	ng/mL	100
32) Benzo[b]fluoranthene	16.170	252	146003	430.687	ng/mL	100
33) Benzo[k]fluoranthene	16.210	252	130209	460.166	ng/mL	100
35) Benzo[a]pyrene	16.715	252	126685	426.694	ng/mL	100
37) Indeno[1,2,3-cd]pyrene	18.695	276	119032M4	377.300	ng/mL	
38) Dibenz[a,h]anthracene	18.735	278	114321	366.495	ng/mL	92
39) Benzo[g,h,i]perylene	19.208	276	127897	396.698	ng/mL#	70

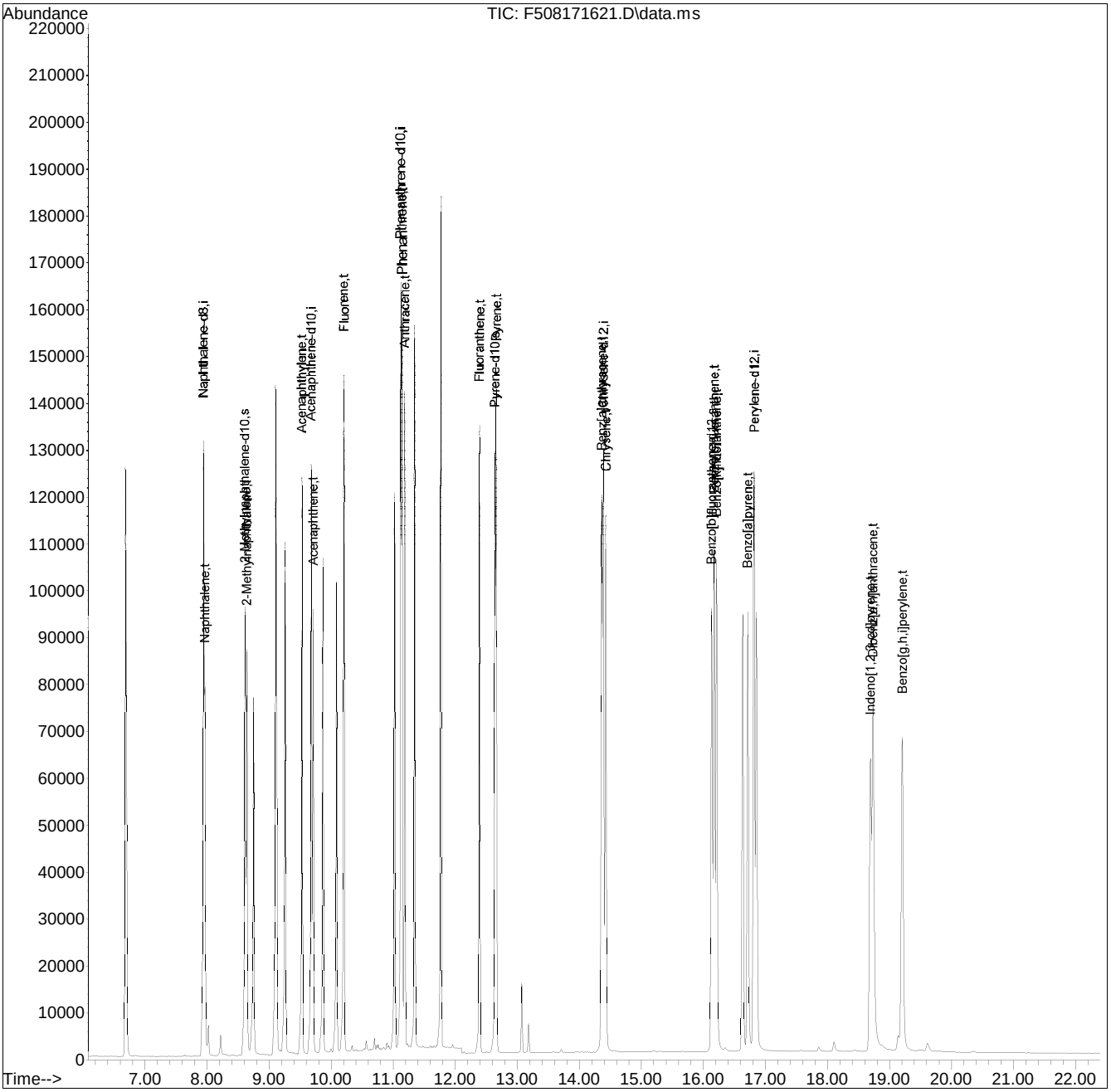
(#) = qualifier out of range (m) = manual integration (+) = signals summed

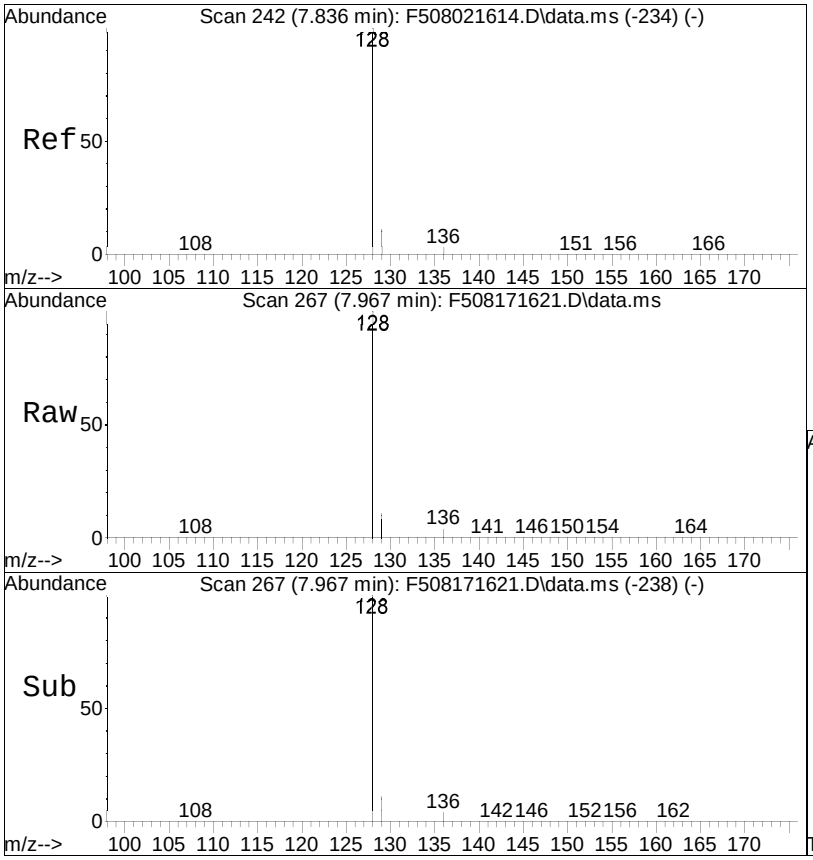
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171621.D
Acq On : 18 Aug 2016 12:29 am
Operator : PAH5:DP
Sample : WG923129-4
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 18 12:34:39 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

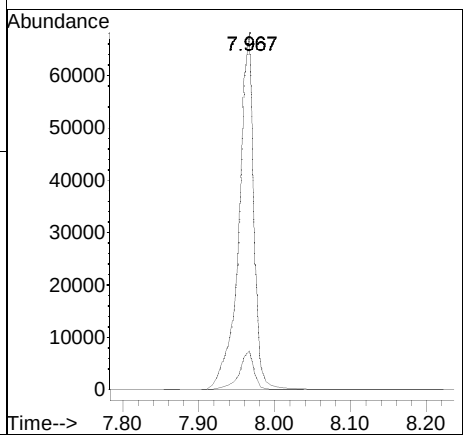


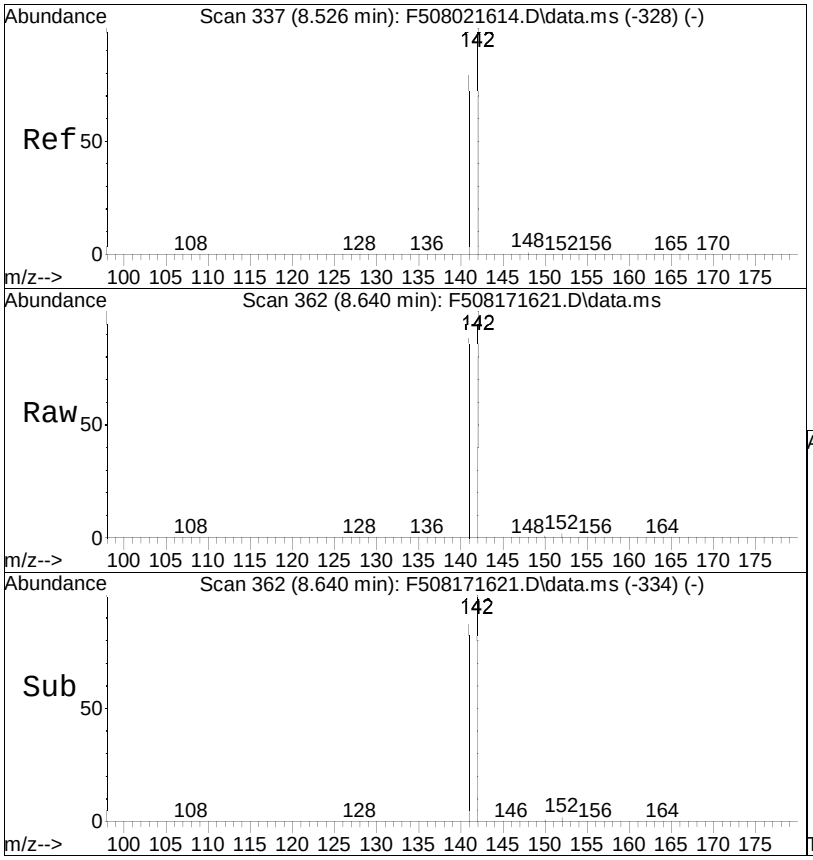


#2
Naphthalene
Concen: 329.84 ng/mL
RT: 7.967 min Scan# 267
Delta R.T. 0.007 min
Lab File: F508171621.D
Acq: 18 Aug 2016 12:29 am

Tgt Ion:128 Resp: 91369

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0

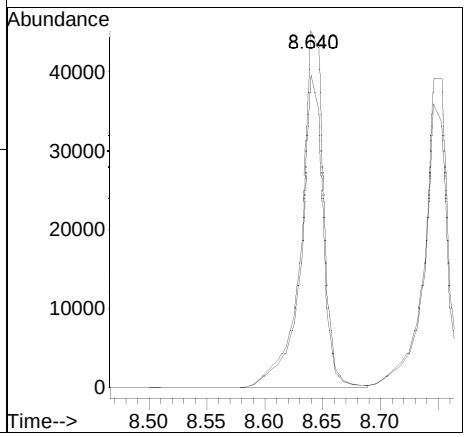


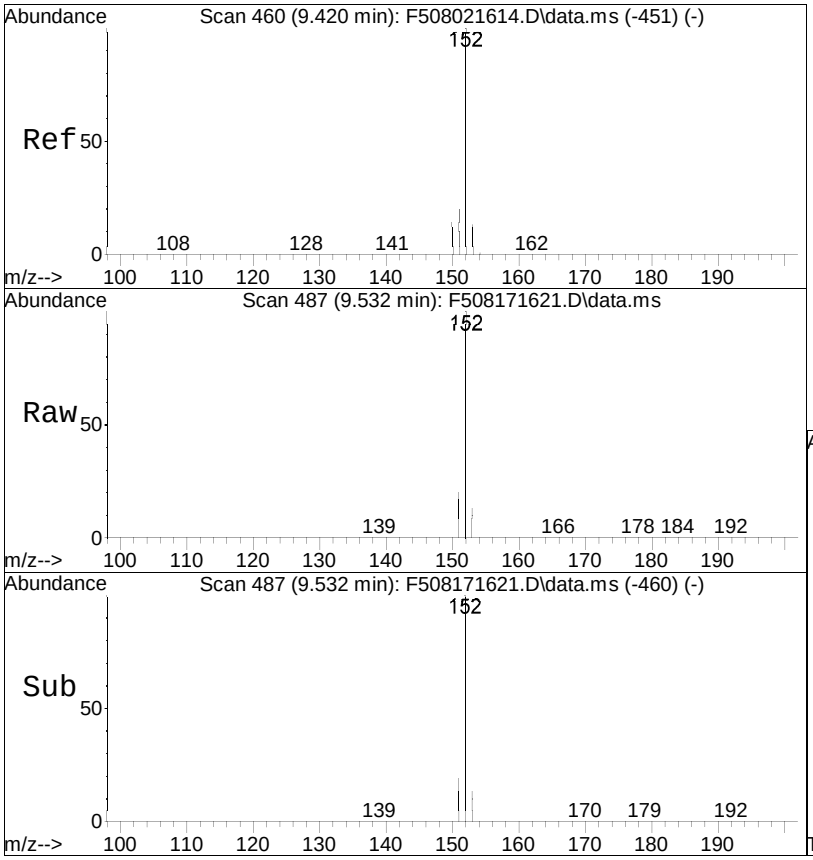


#5
2-Methylnaphthalene
Concen: 372.41 ng/mL
RT: 8.640 min Scan# 362
Delta R.T. 0.000 min
Lab File: F508171621.D
Acq: 18 Aug 2016 12:29 am

Tgt Ion:142 Resp: 61705

Ion	Ratio	Lower	Upper
142	100		
141	87.5	68.5	102.7

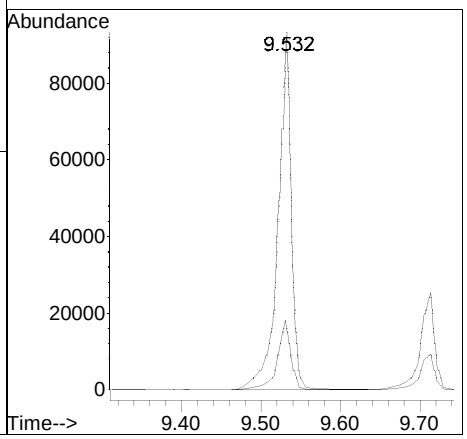


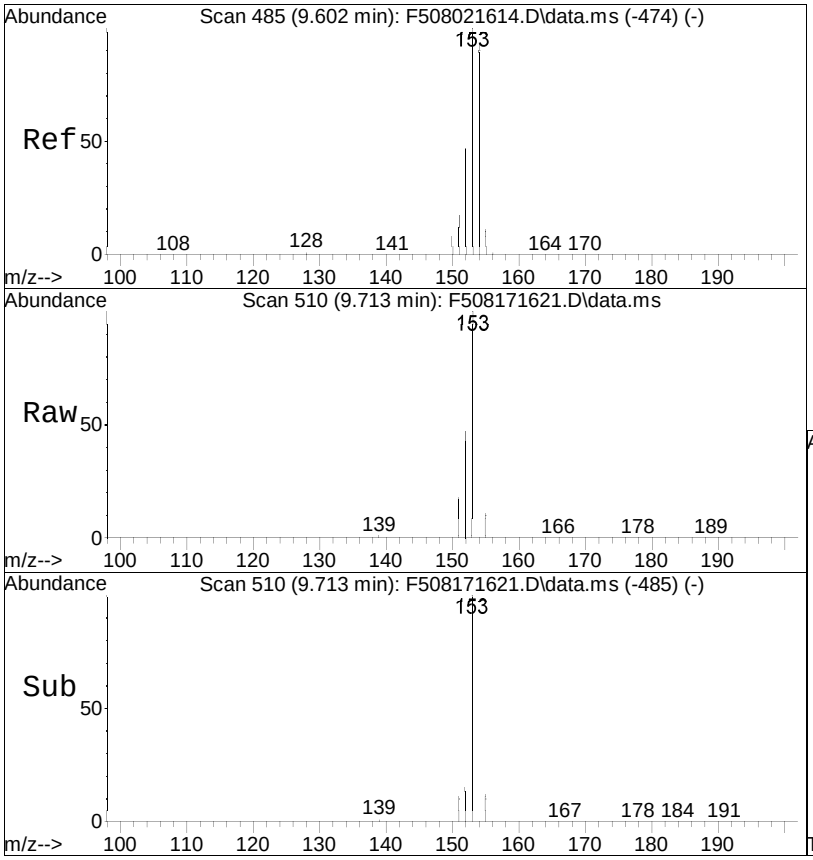


#12
Acenaphthylene
Concen: 351.89 ng/mL
RT: 9.532 min Scan# 487
Delta R.T. 0.000 min
Lab File: F508171621.D
Acq: 18 Aug 2016 12:29 am

Tgt Ion:152 Resp: 103949

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.9	23.9

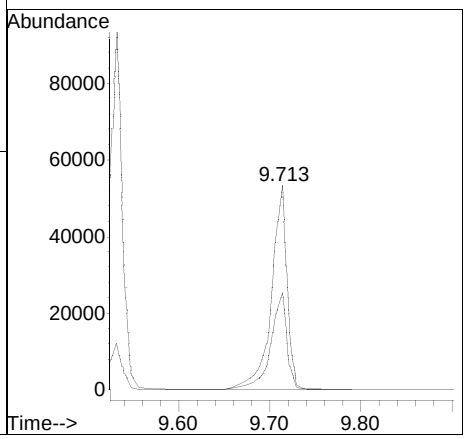


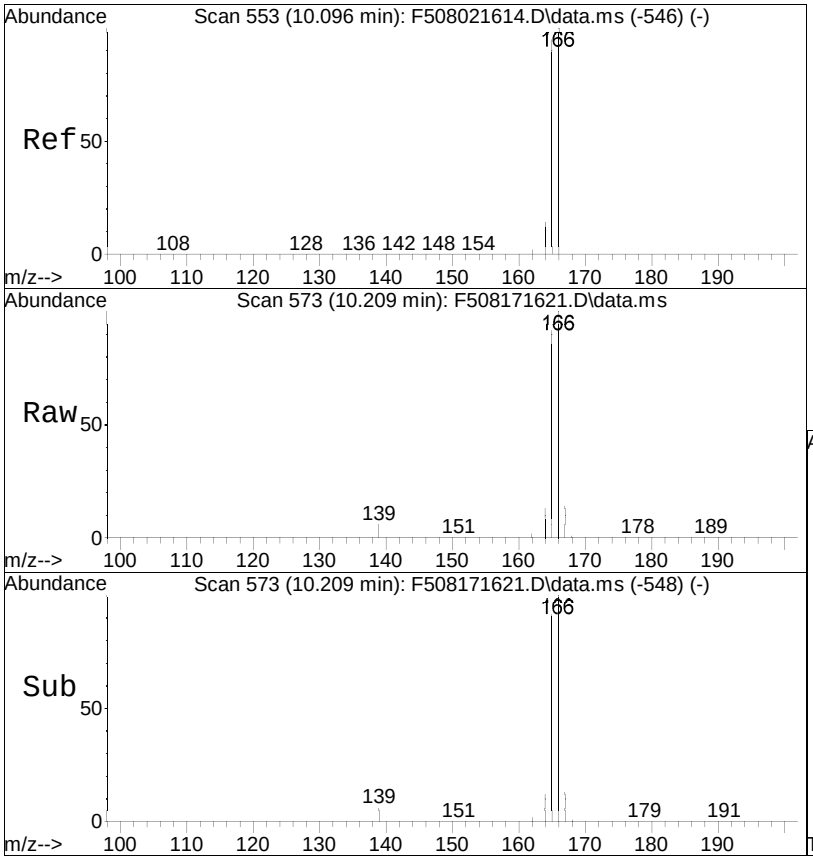


#13
Acenaphthene
Concen: 356.78 ng/mL
RT: 9.713 min Scan# 510
Delta R.T. 0.000 min
Lab File: F508171621.D
Acq: 18 Aug 2016 12:29 am

Tgt Ion:153 Resp: 63786

Ion	Ratio	Lower	Upper
153	100		
152	47.5	38.0	57.0

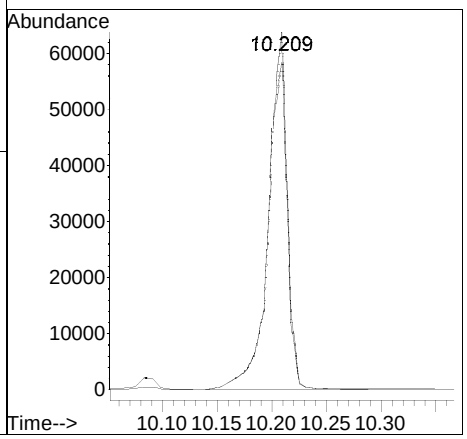


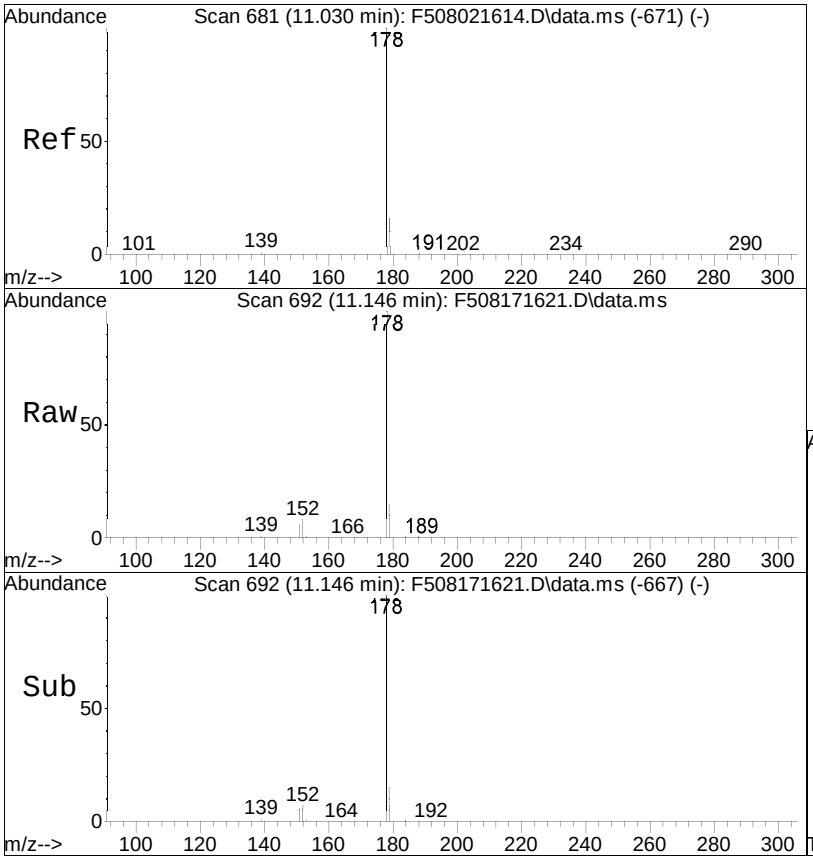


#15
Fluorene
Concen: 370.01 ng/mL
RT: 10.209 min Scan# 573
Delta R.T. 0.000 min
Lab File: F508171621.D
Acq: 18 Aug 2016 12:29 am

Tgt Ion:166 Resp: 75002

Ion	Ratio	Lower	Upper
166	100		
165	91.8	72.8	109.2

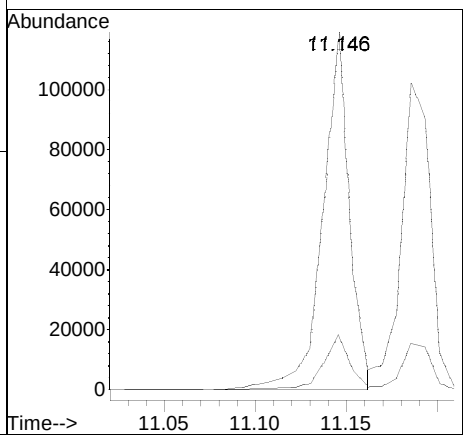


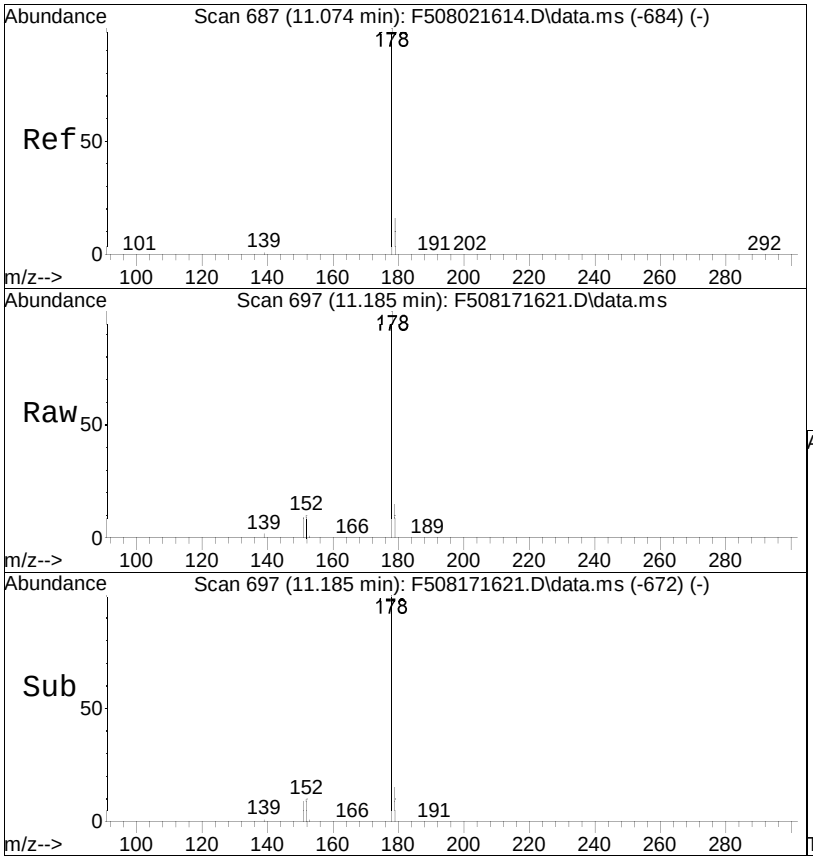


#19
Phenanthrene
Concen: 415.16 ng/mL
RT: 11.146 min Scan# 692
Delta R.T. 0.000 min
Lab File: F508171621.D
Acq: 18 Aug 2016 12:29 am

Tgt Ion:178 Resp: 121251

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5

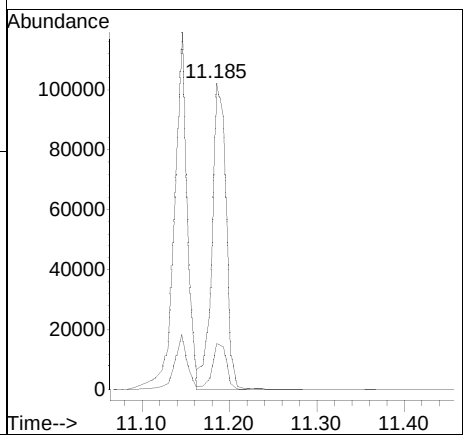


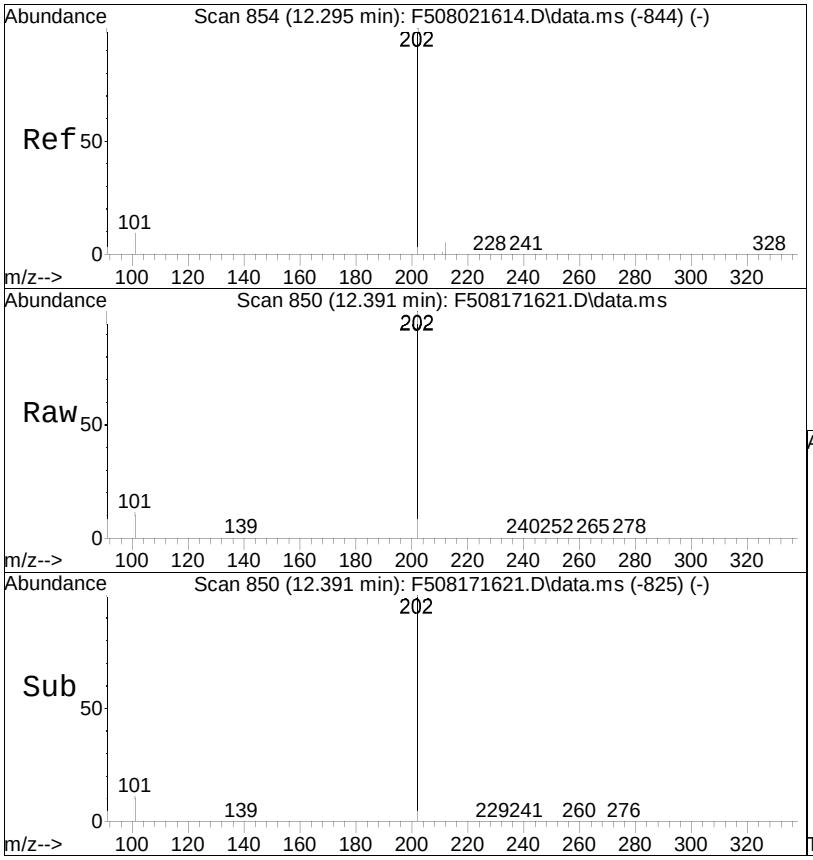


#20
Anthracene
Concen: 404.39 ng/mL
RT: 11.185 min Scan# 697
Delta R.T. 0.000 min
Lab File: F508171621.D
Acq: 18 Aug 2016 12:29 am

Tgt Ion:178 Resp: 113378

Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.1	18.1

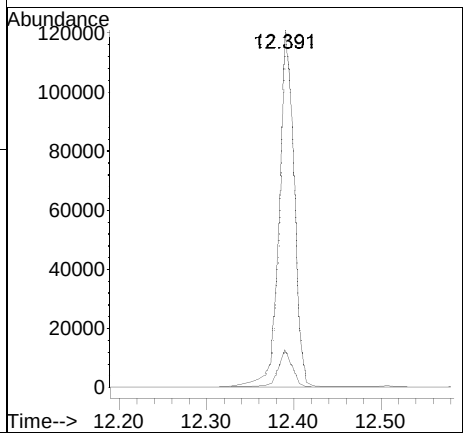


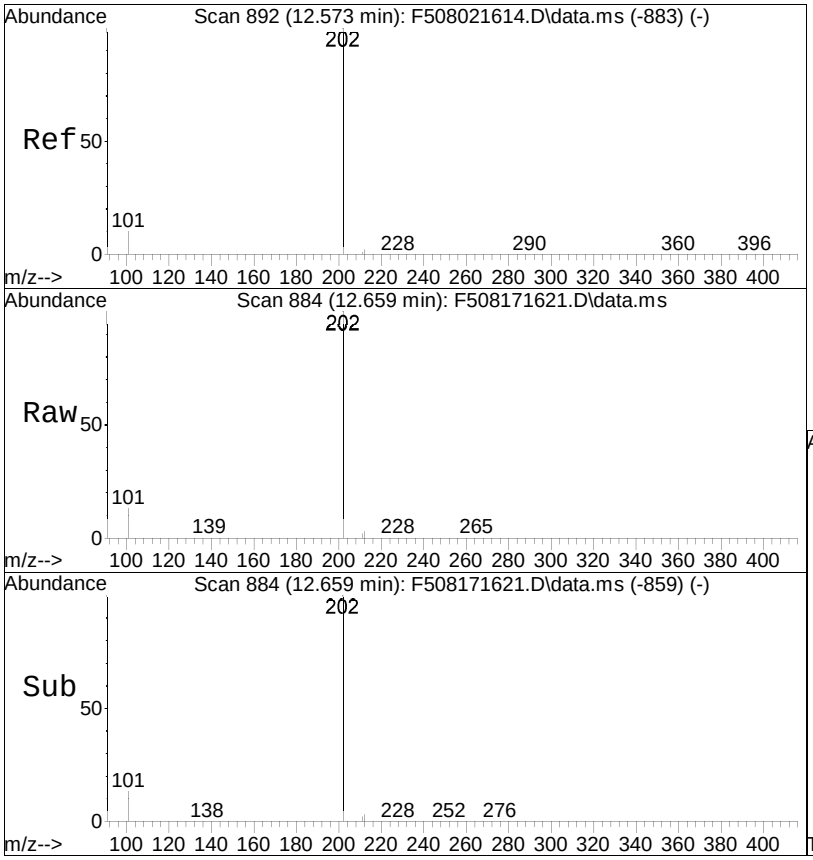


#23
Fluoranthene
Concen: 440.05 ng/mL
RT: 12.391 min Scan# 850
Delta R.T. 0.000 min
Lab File: F508171621.D
Acq: 18 Aug 2016 12:29 am

Tgt Ion:202 Resp: 140443

Ion	Ratio	Lower	Upper
202	100		
101	10.8	9.6	14.4

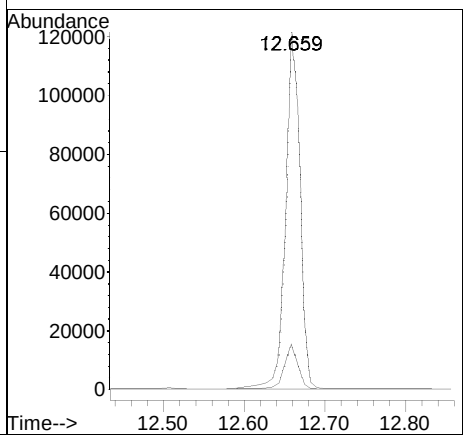


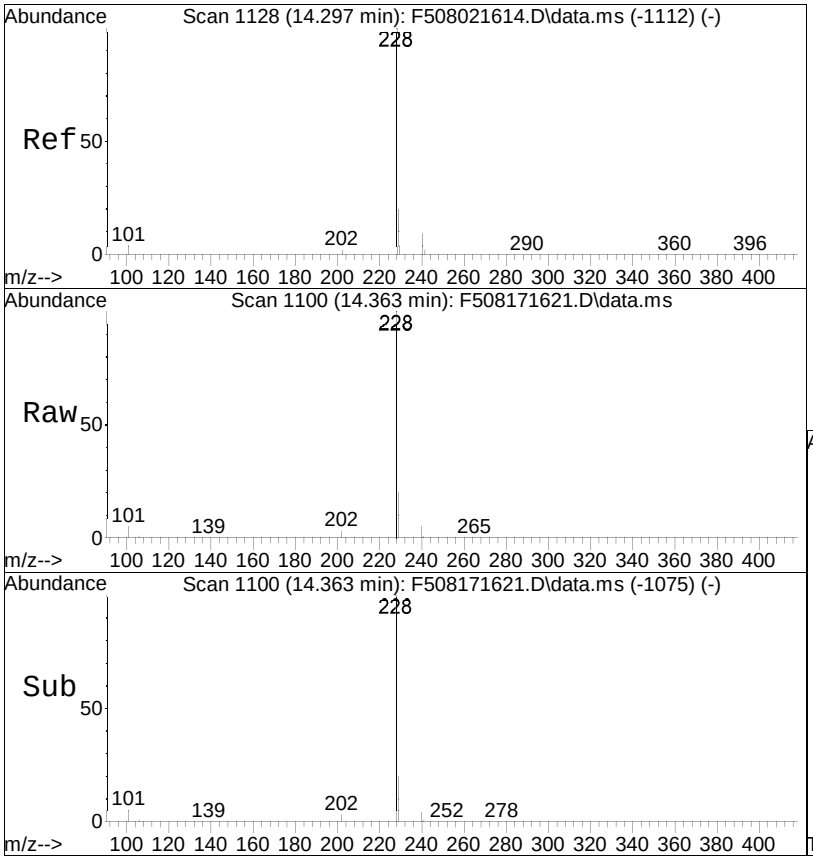


#26
Pyrene
Concen: 420.88 ng/mL
RT: 12.659 min Scan# 884
Delta R.T. 0.000 min
Lab File: F508171621.D
Acq: 18 Aug 2016 12:29 am

Tgt Ion:202 Resp: 146844

Ion	Ratio	Lower	Upper
202	100		
101	12.8	11.4	17.0

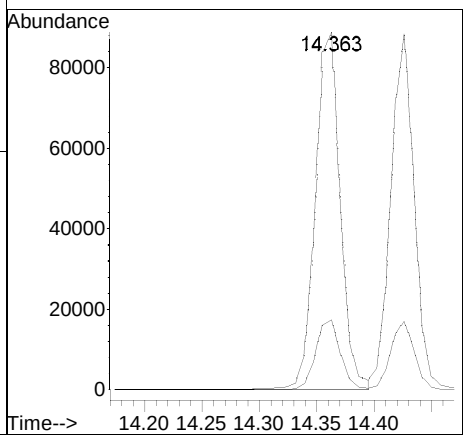


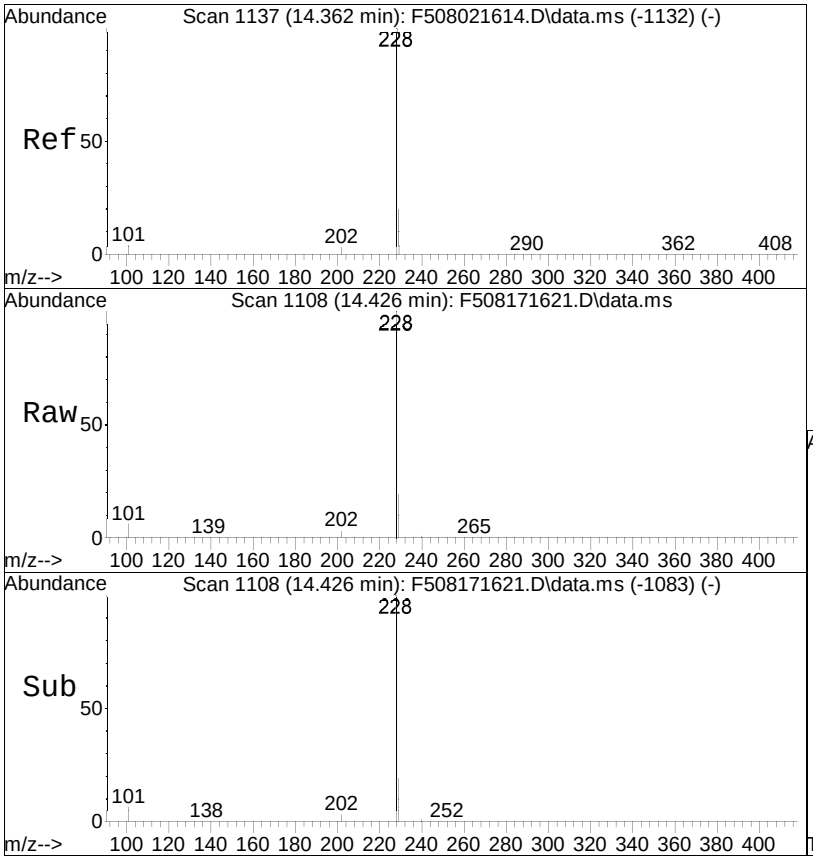


#27
Benz[a]anthracene
Concen: 425.80 ng/mL
RT: 14.363 min Scan# 1100
Delta R.T. 0.000 min
Lab File: F508171621.D
Acq: 18 Aug 2016 12:29 am

Tgt Ion:228 Resp: 134167

Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.4	23.0

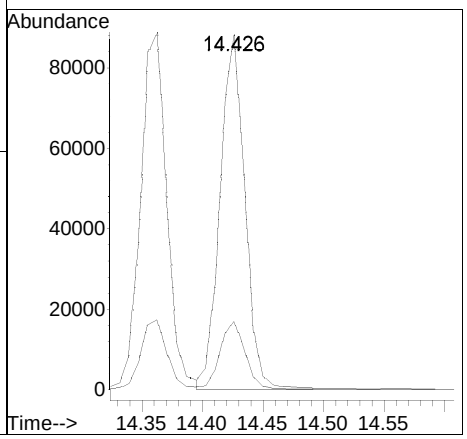


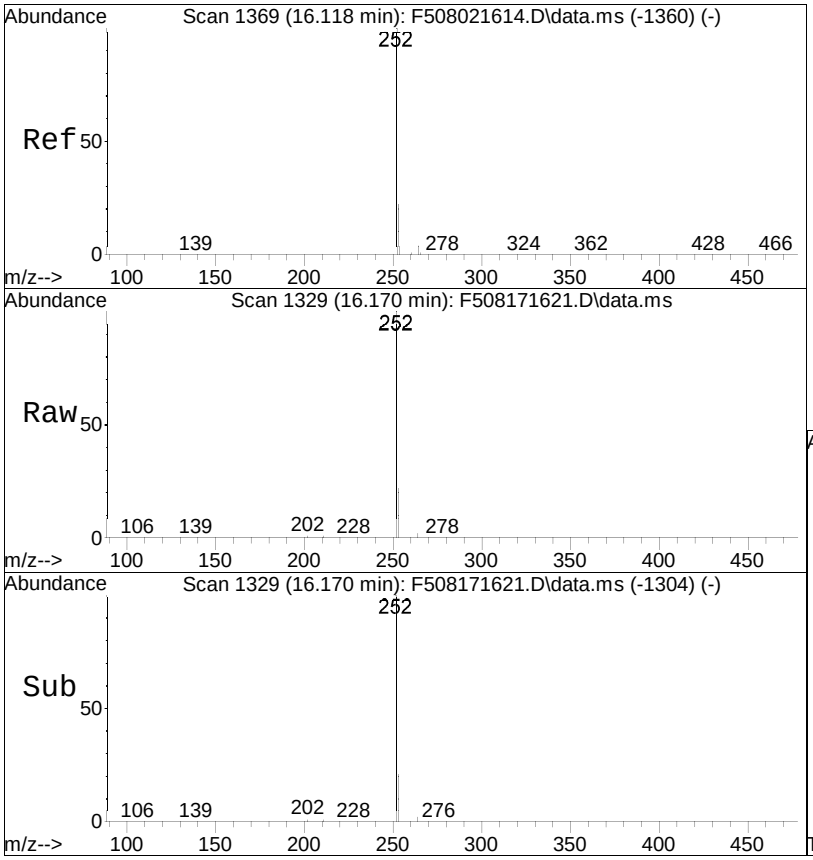


#28
Chrysene
Concen: 421.26 ng/mL
RT: 14.426 min Scan# 1108
Delta R.T. 0.000 min
Lab File: F508171621.D
Acq: 18 Aug 2016 12:29 am

Tgt Ion:228 Resp: 125317

Ion	Ratio	Lower	Upper
228	100		
229	19.4	15.6	23.4

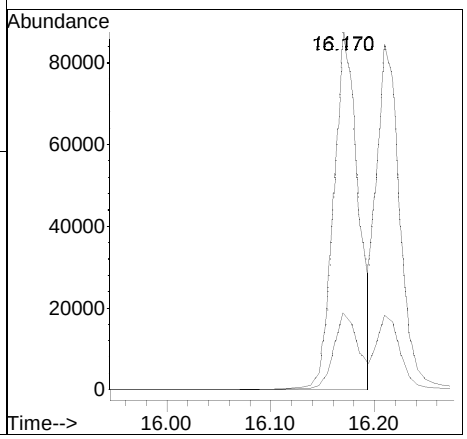


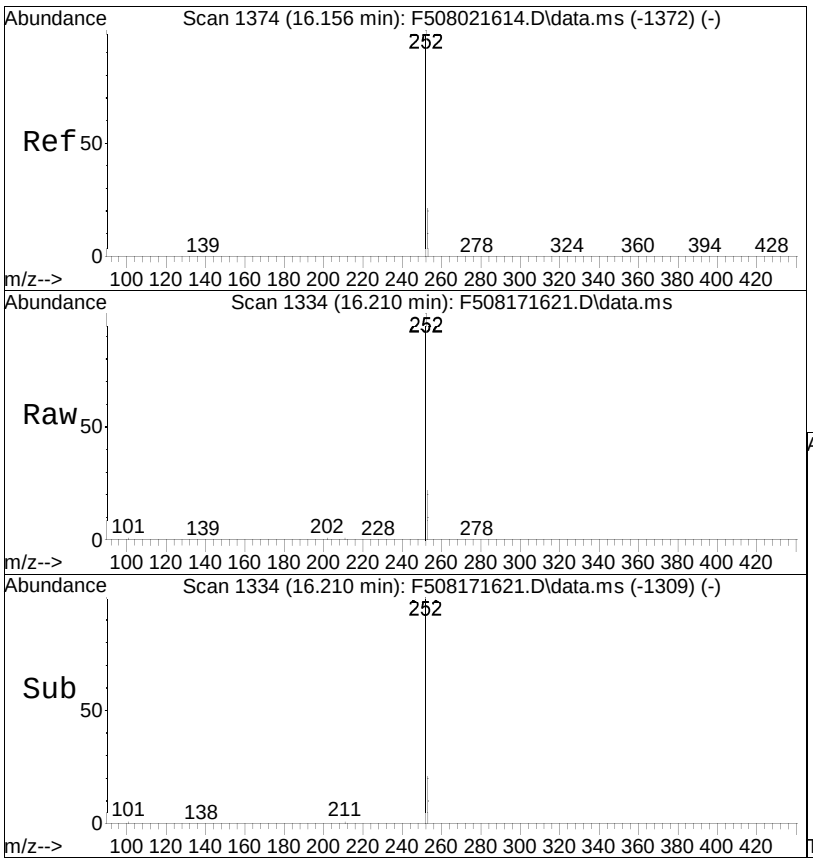


#32
Benzo[b]fluoranthene
Concen: 430.69 ng/mL
RT: 16.170 min Scan# 1329
Delta R.T. 0.000 min
Lab File: F508171621.D
Acq: 18 Aug 2016 12:29 am

Tgt Ion:252 Resp: 146003

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0

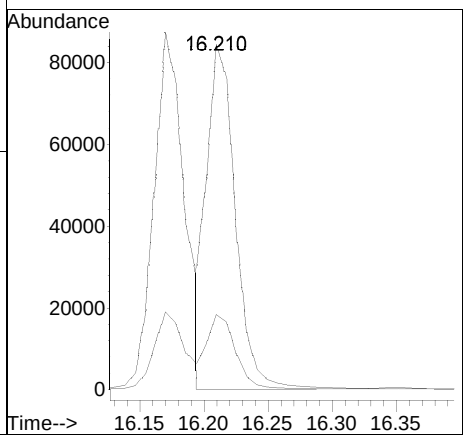


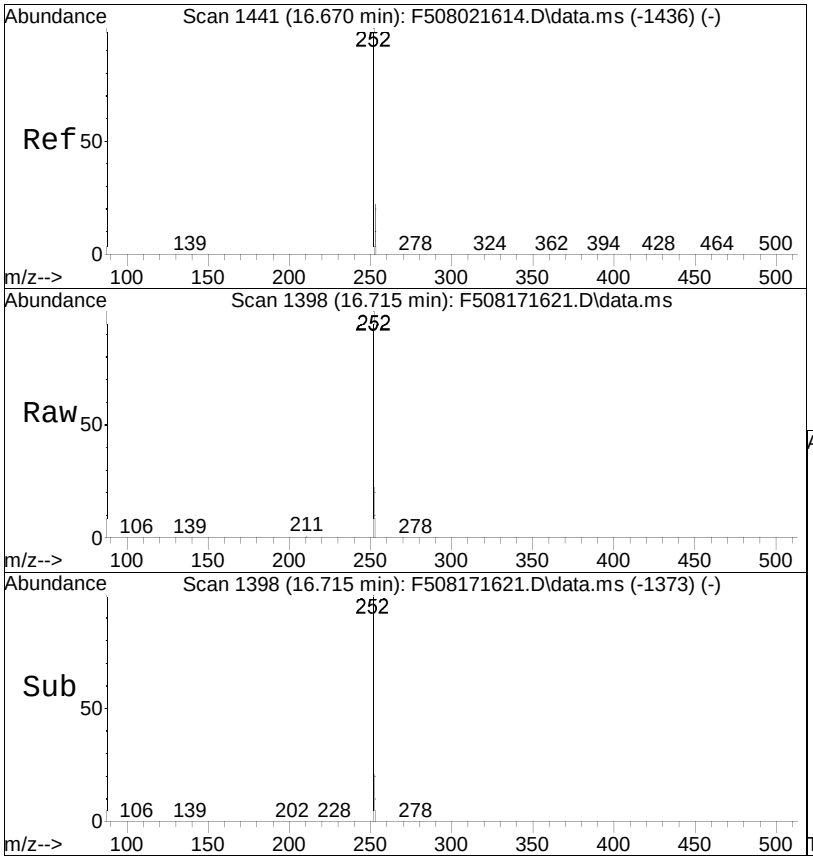


#33
Benzo[k]fluoranthene
Concen: 460.17 ng/mL
RT: 16.210 min Scan# 1334
Delta R.T. 0.000 min
Lab File: F508171621.D
Acq: 18 Aug 2016 12:29 am

Tgt Ion:252 Resp: 130209

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0

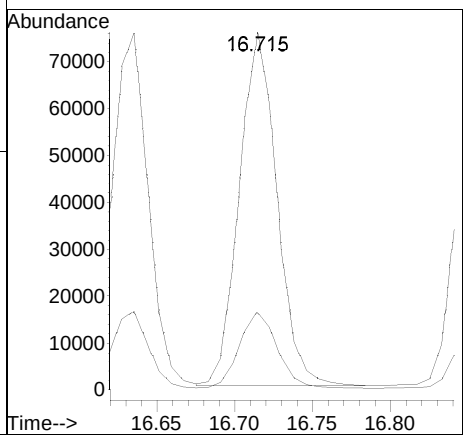


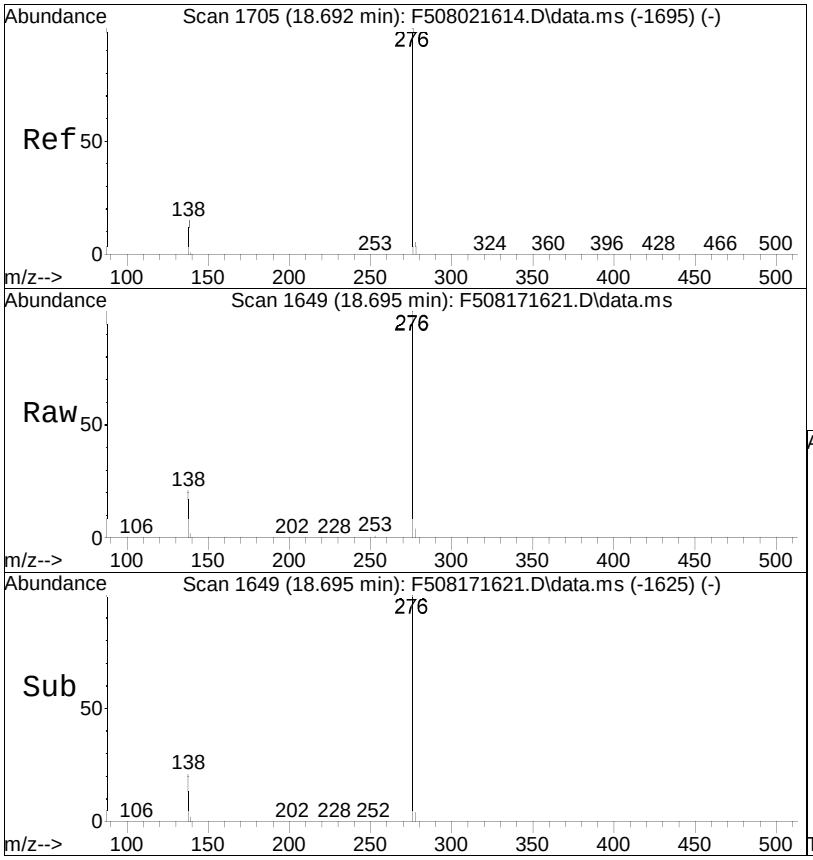


#35
Benzo[a]pyrene
Concen: 426.69 ng/mL
RT: 16.715 min Scan# 1398
Delta R.T. 0.000 min
Lab File: F508171621.D
Acq: 18 Aug 2016 12:29 am

Tgt Ion:252 Resp: 126685

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2

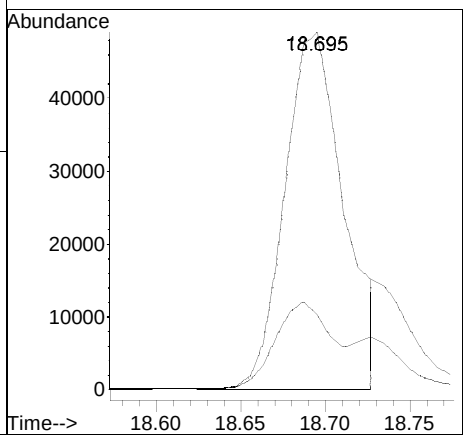


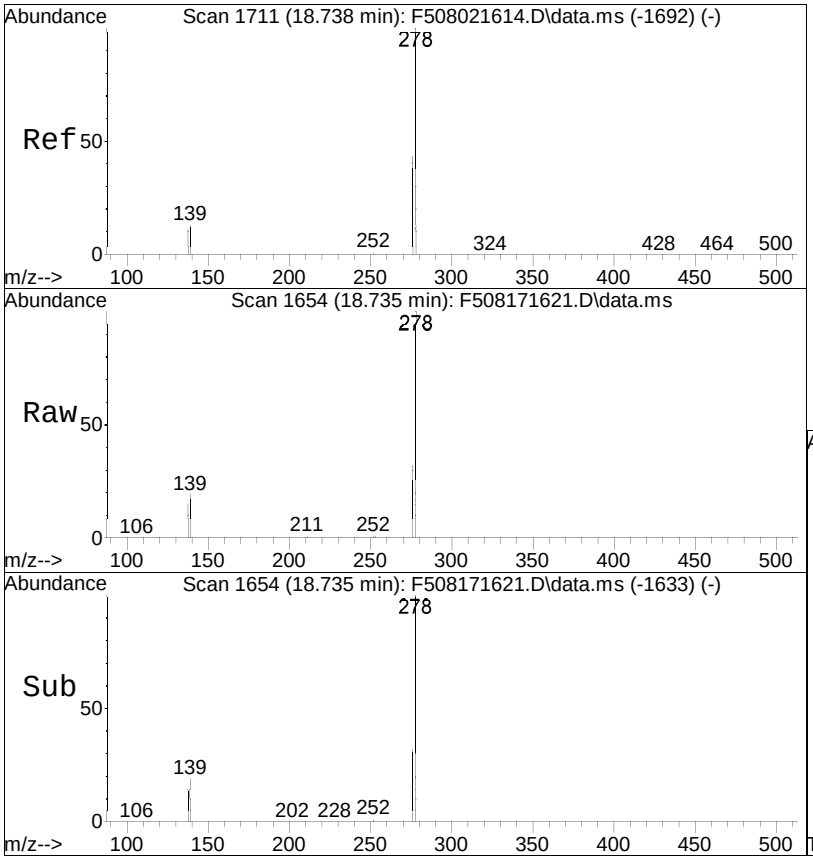


#37
Indeno[1,2,3-cd]pyrene
Concen: 377.30 ng/mL M4
RT: 18.695 min Scan# 1649
Delta R.T. 0.000 min
Lab File: F508171621.D
Acq: 18 Aug 2016 12:29 am

Tgt Ion:276 Resp: 119032

Ion	Ratio	Lower	Upper
276	100		
138	21.1	21.4	32.2#

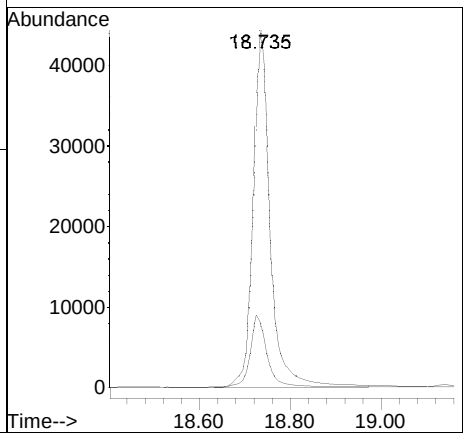


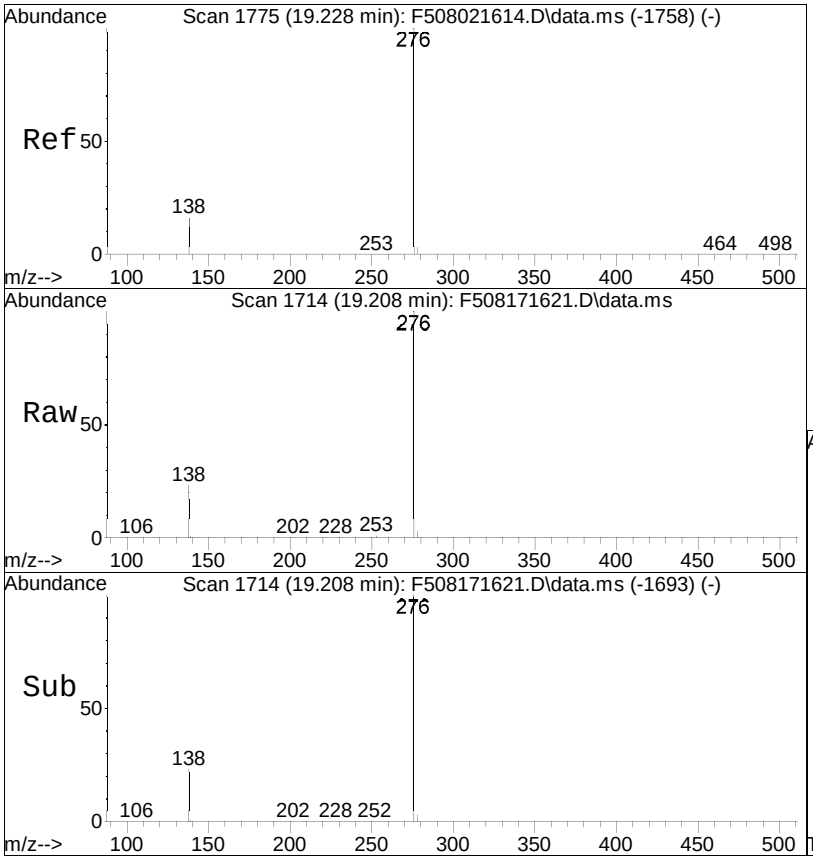


#38
Dibenz[a,h]anthracene
Concen: 366.50 ng/mL
RT: 18.735 min Scan# 1654
Delta R.T. 0.000 min
Lab File: F508171621.D
Acq: 18 Aug 2016 12:29 am

Tgt Ion:278 Resp: 114321

Ion	Ratio	Lower	Upper
278	100		
139	18.8	18.2	27.2

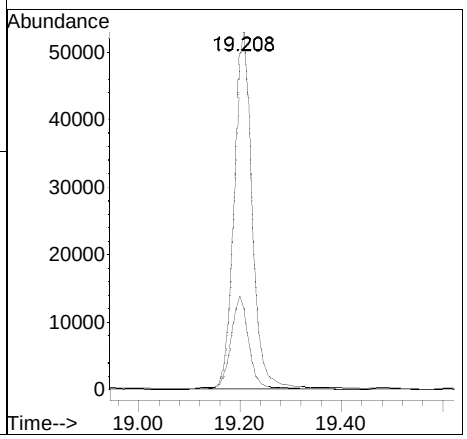




#39
Benzo[g,h,i]perylene
Concen: 396.70 ng/mL
RT: 19.208 min Scan# 1714
Delta R.T. 0.000 min
Lab File: F508171621.D
Acq: 18 Aug 2016 12:29 am

Tgt Ion:276 Resp: 127897

Ion	Ratio	Lower	Upper
276	100		
138	22.8	33.5	50.3#



Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171622.D
Acq On : 18 Aug 2016 1:04 am
Operator : PAH5:DP
Sample : WG923129-5
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 18 12:34:59 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	7.946	136	123039	500.000	ng/mL	0.00
7) Acenaphthene-d10	9.682	164	61459	500.000	ng/mL	0.00
17) Phenanthrene-d10	11.122	188	124120	500.000	ng/mL	0.00
24) Chrysene-d12	14.387	240	128511	500.000	ng/mL	0.00
29) Perylene-d12	16.809	264	128417	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	8.611	152	54795	383.889	ng/mL	0.00
Spiked Amount 5000.000	Range 30 - 150		Recovery = 7.68%#			
25) Pyrene-d10	12.643	212	96028	425.580	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.51%#			
31) Benzo[b]fluoranthene-d12	16.130	264	94573	421.114	ng/mL	0.00
Spiked Amount 5000.000	Range 50 - 150		Recovery = 8.42%#			
Target Compounds						Qvalue
2) Naphthalene	7.960	128	90119	347.487	ng/mL	100
5) 2-Methylnaphthalene	8.640	142	61237	394.761	ng/mL	99
12) Acenaphthylene	9.532	152	107607	386.156	ng/mL	99
13) Acenaphthene	9.713	153	65484	388.281	ng/mL	98
15) Fluorene	10.201	166	76944	402.389	ng/mL	94
19) Phenanthrene	11.146	178	119620	415.067	ng/mL	100
20) Anthracene	11.185	178	115851	418.758	ng/mL	100
23) Fluoranthene	12.390	202	138844	440.874	ng/mL	95
26) Pyrene	12.659	202	143741	411.574	ng/mL	96
27) Benz[a]anthracene	14.355	228	133052	421.836	ng/mL	99
28) Chrysene	14.426	228	121241	407.146	ng/mL	100
32) Benzo[b]fluoranthene	16.170	252	145178	424.782	ng/mL	100
33) Benzo[k]fluoranthene	16.209	252	124658	436.977	ng/mL	100
35) Benzo[a]pyrene	16.714	252	123225	411.676	ng/mL	100
37) Indeno[1,2,3-cd]pyrene	18.695	276	115460M4	363.011	ng/mL	
38) Dibenz[a,h]anthracene	18.734	278	110672	351.921	ng/mL	92
39) Benzo[g,h,i]perylene	19.208	276	123912	381.222	ng/mL#	69

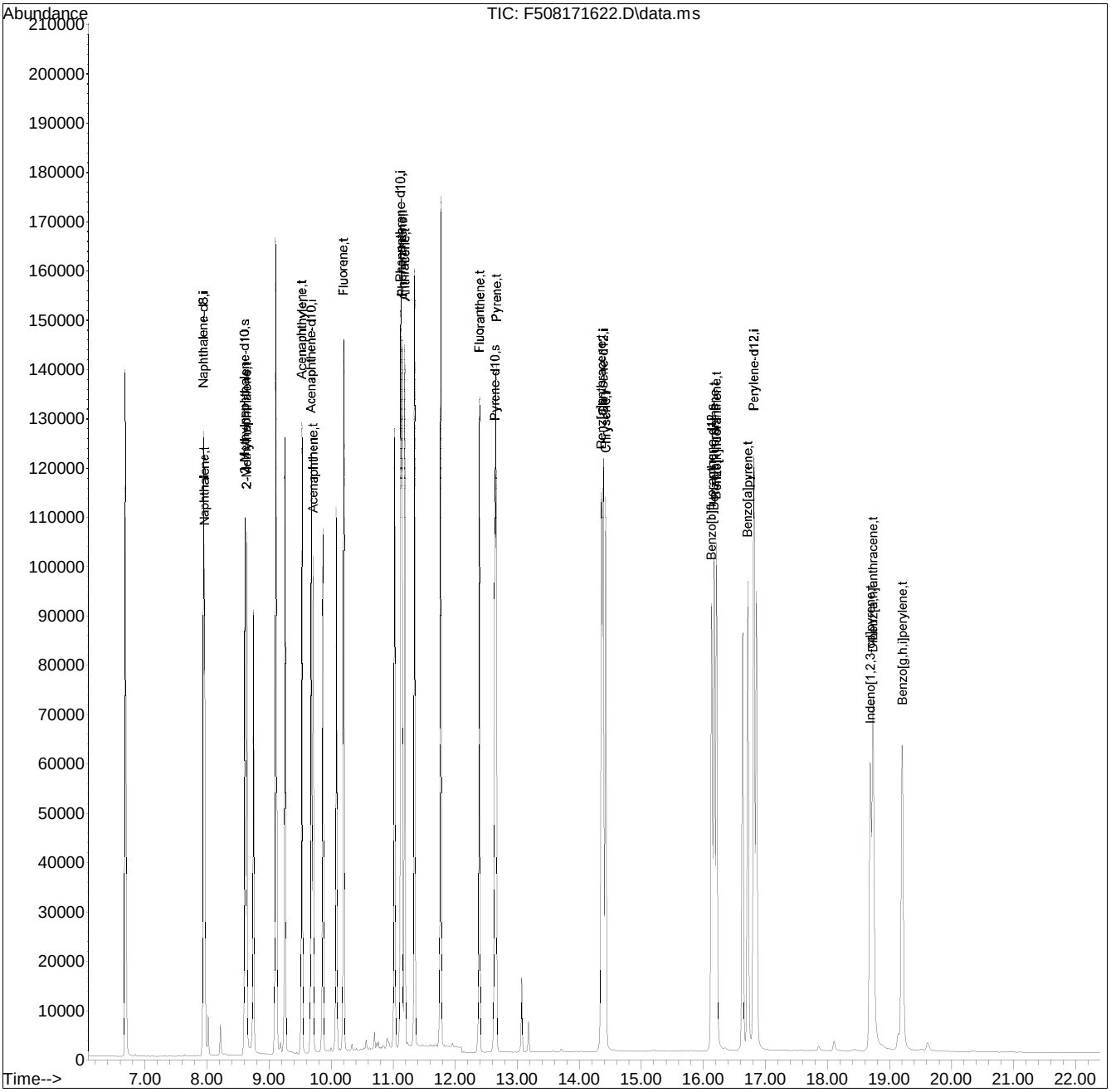
(#) = qualifier out of range (m) = manual integration (+) = signals summed

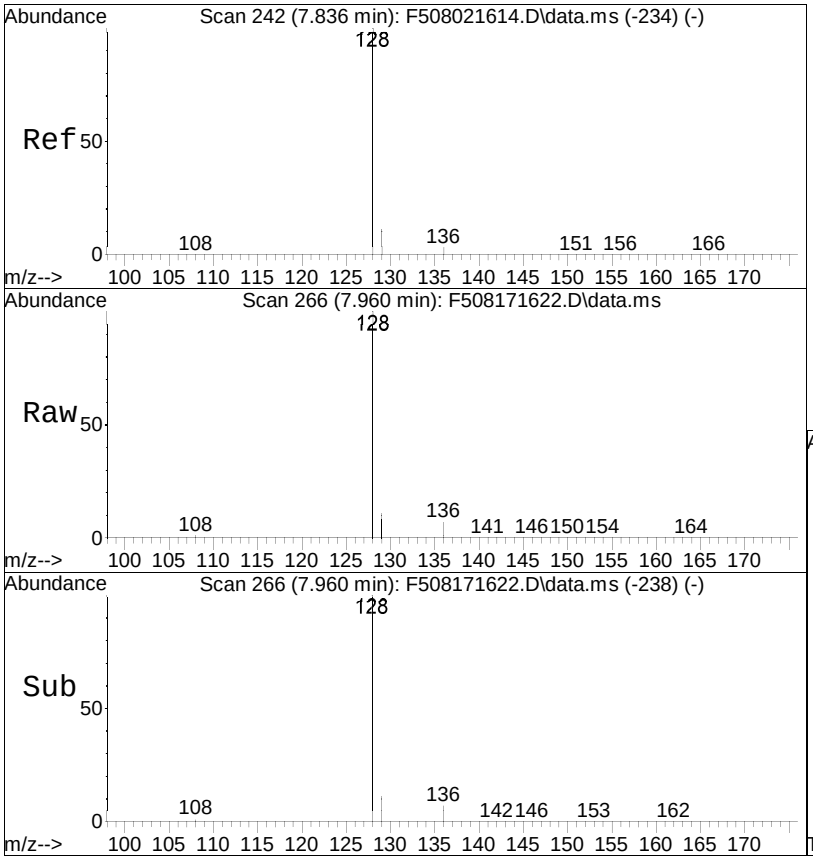
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2016\Aug\Aug17\
Data File : F508171622.D
Acq On : 18 Aug 2016 1:04 am
Operator : PAH5:DP
Sample : WG923129-5
Misc : WG923957,WG923129,ICAL12780
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 18 12:34:59 2016
Quant Method : O:\Organics\DATA\PAH5\2016\Aug\Aug17\PAH0817PAH5.M
Quant Title : PAH's by SIM
QLast Update : Thu Aug 18 12:24:23 2016
Response via : Initial Calibration

Sub List : 17PAH - 17PAH

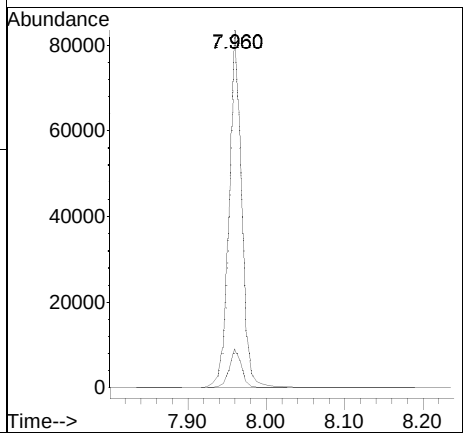


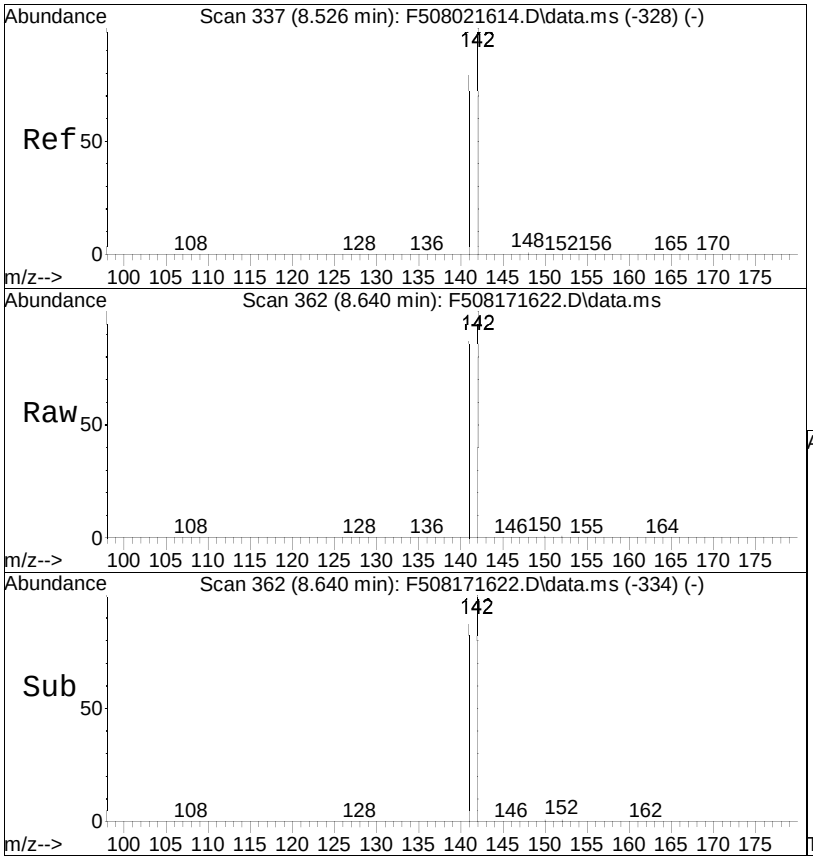


#2
Naphthalene
Concen: 347.49 ng/mL
RT: 7.960 min Scan# 266
Delta R.T. -0.000 min
Lab File: F508171622.D
Acq: 18 Aug 2016 1:04 am

Tgt Ion:128 Resp: 90119

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0

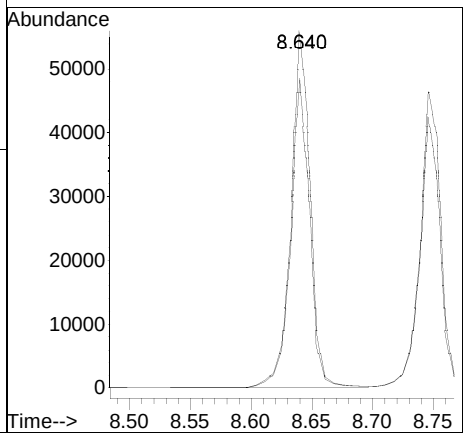


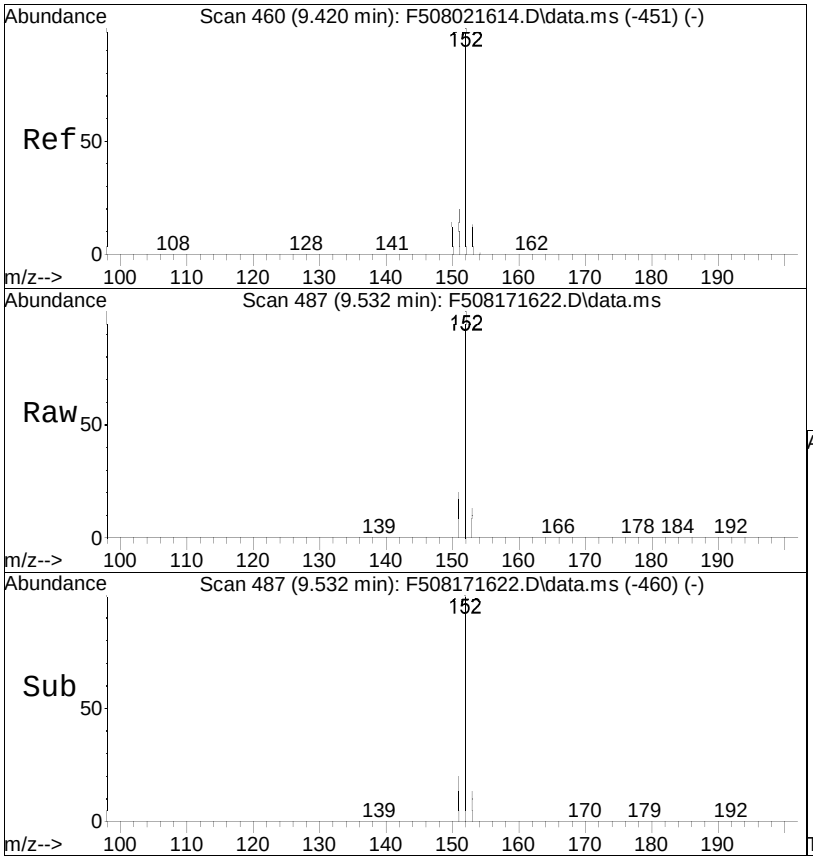


#5
2-Methylnaphthalene
Concen: 394.76 ng/mL
RT: 8.640 min Scan# 362
Delta R.T. -0.000 min
Lab File: F508171622.D
Acq: 18 Aug 2016 1:04 am

Tgt Ion:142 Resp: 61237

Ion	Ratio	Lower	Upper
142	100		
141	86.6	68.5	102.7

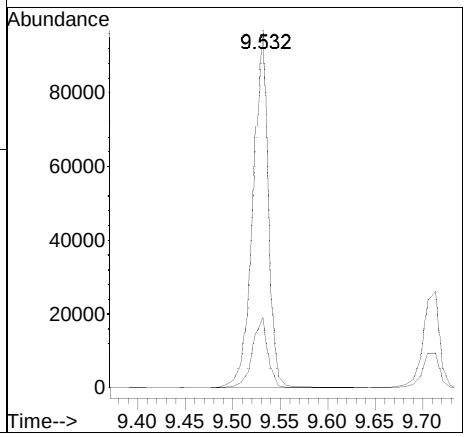


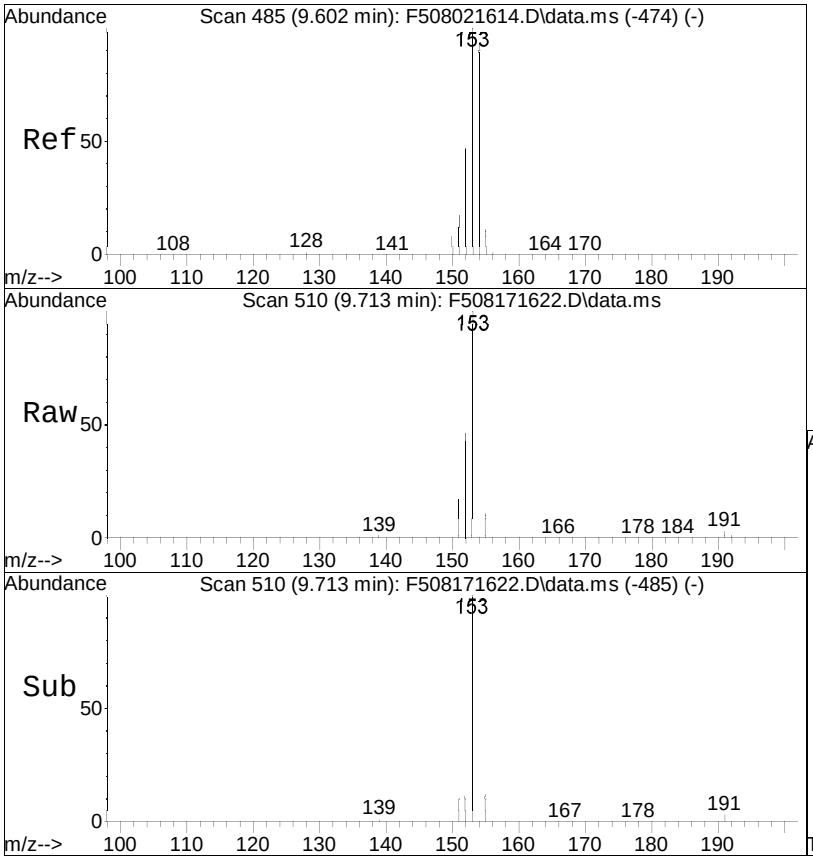


#12
Acenaphthylene
Concen: 386.16 ng/mL
RT: 9.532 min Scan# 487
Delta R.T. 0.000 min
Lab File: F508171622.D
Acq: 18 Aug 2016 1:04 am

Tgt Ion:152 Resp: 107607

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.9	23.9

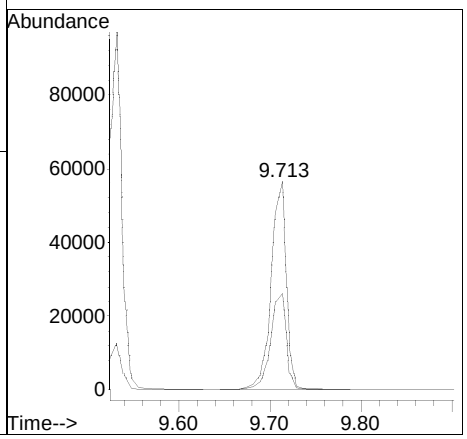


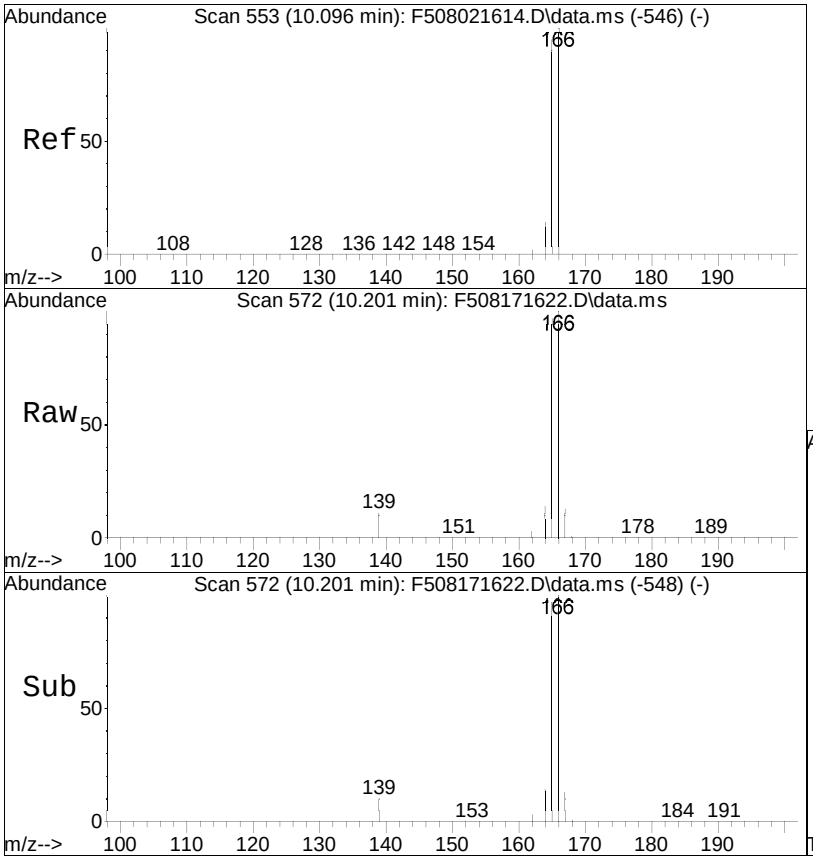


#13
Acenaphthene
Concen: 388.28 ng/mL
RT: 9.713 min Scan# 510
Delta R.T. -0.000 min
Lab File: F508171622.D
Acq: 18 Aug 2016 1:04 am

Tgt Ion:153 Resp: 65484

Ion	Ratio	Lower	Upper
153	100		
152	46.3	38.0	57.0

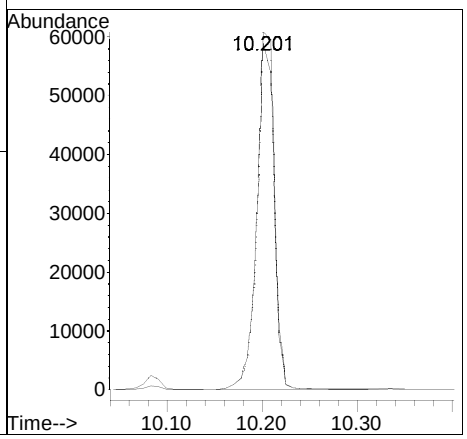


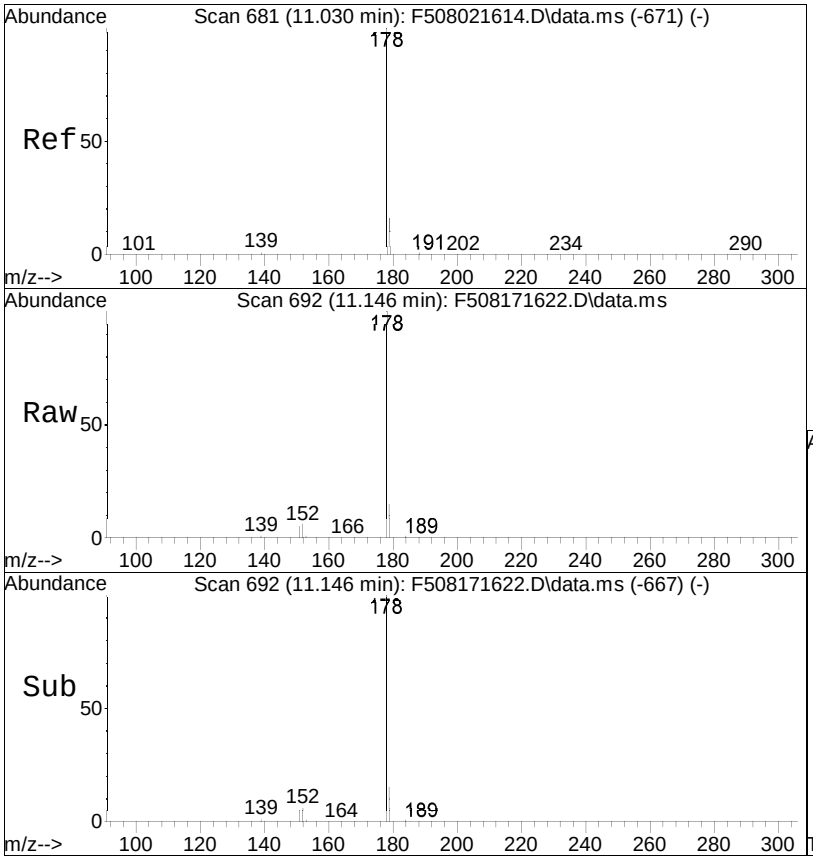


#15
Fluorene
Concen: 402.39 ng/mL
RT: 10.201 min Scan# 572
Delta R.T. -0.008 min
Lab File: F508171622.D
Acq: 18 Aug 2016 1:04 am

Tgt Ion:166 Resp: 76944

Ion	Ratio	Lower	Upper
166	100		
165	97.0	72.8	109.2

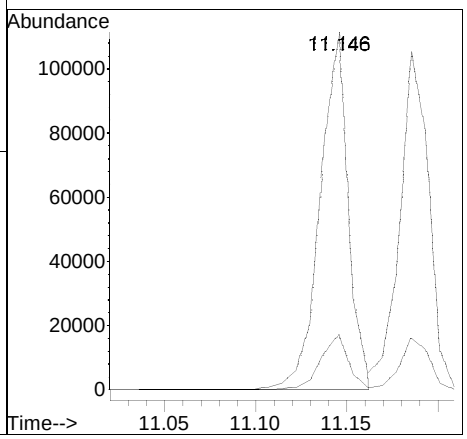


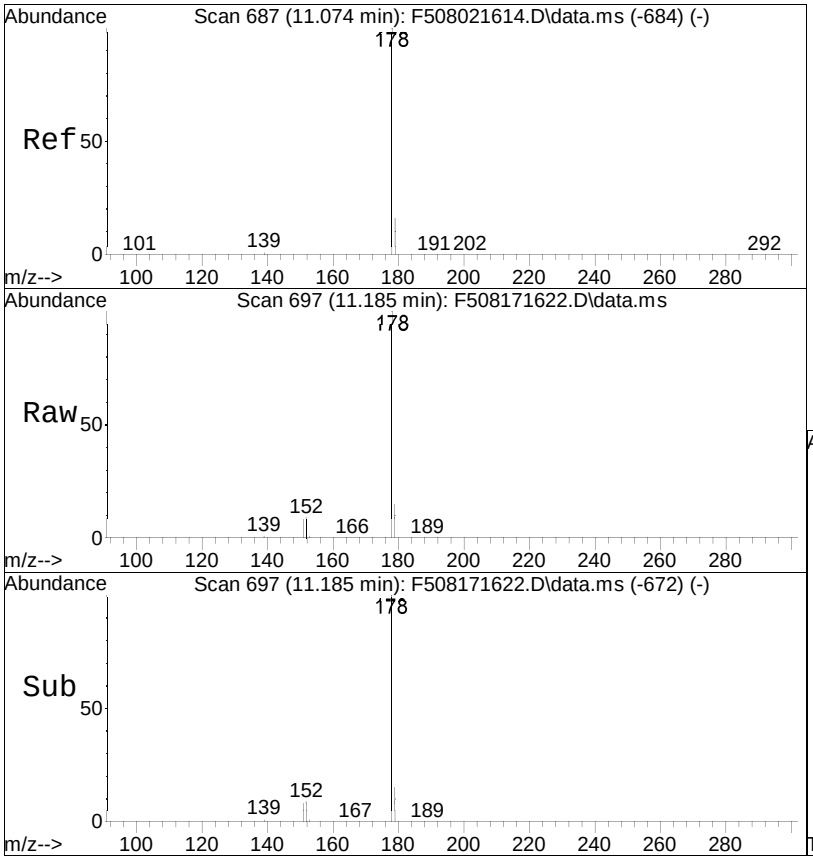


#19
Phenanthrene
Concen: 415.07 ng/mL
RT: 11.146 min Scan# 692
Delta R.T. 0.000 min
Lab File: F508171622.D
Acq: 18 Aug 2016 1:04 am

Tgt Ion:178 Resp: 119620

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5

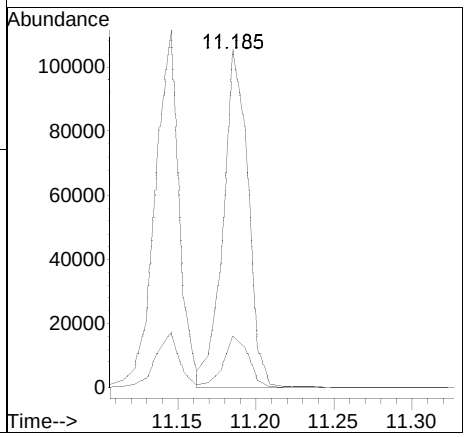


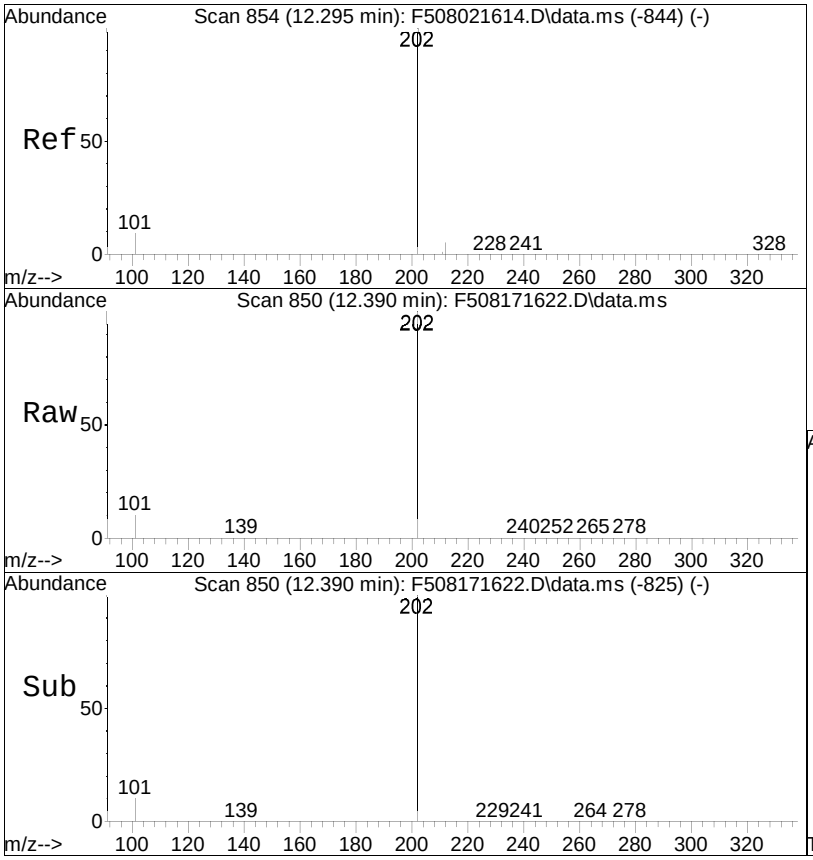


#20
Anthracene
Concen: 418.76 ng/mL
RT: 11.185 min Scan# 697
Delta R.T. -0.000 min
Lab File: F508171622.D
Acq: 18 Aug 2016 1:04 am

Tgt Ion:178 Resp: 115851

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.1	18.1

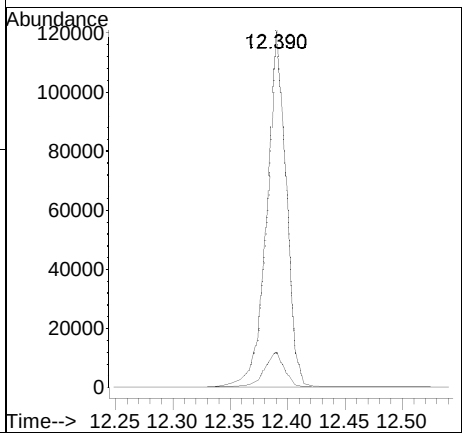


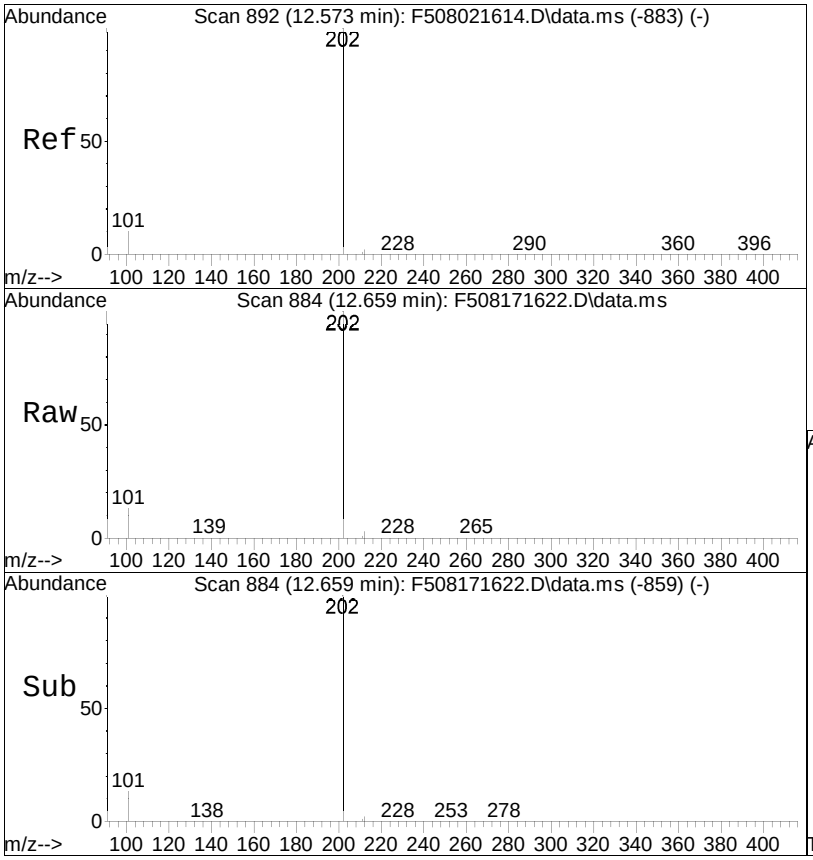


#23
Fluoranthene
Concen: 440.87 ng/mL
RT: 12.390 min Scan# 850
Delta R.T. 0.000 min
Lab File: F508171622.D
Acq: 18 Aug 2016 1:04 am

Tgt Ion:202 Resp: 138844

Ion	Ratio	Lower	Upper
202	100		
101	10.2	9.6	14.4

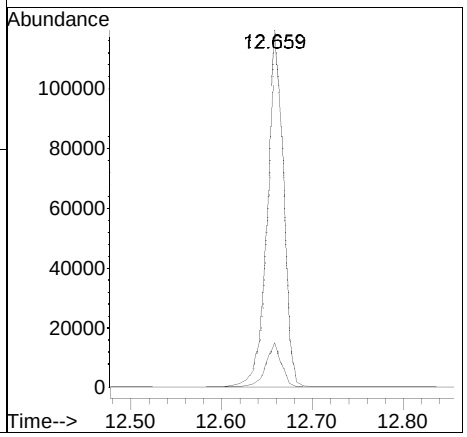


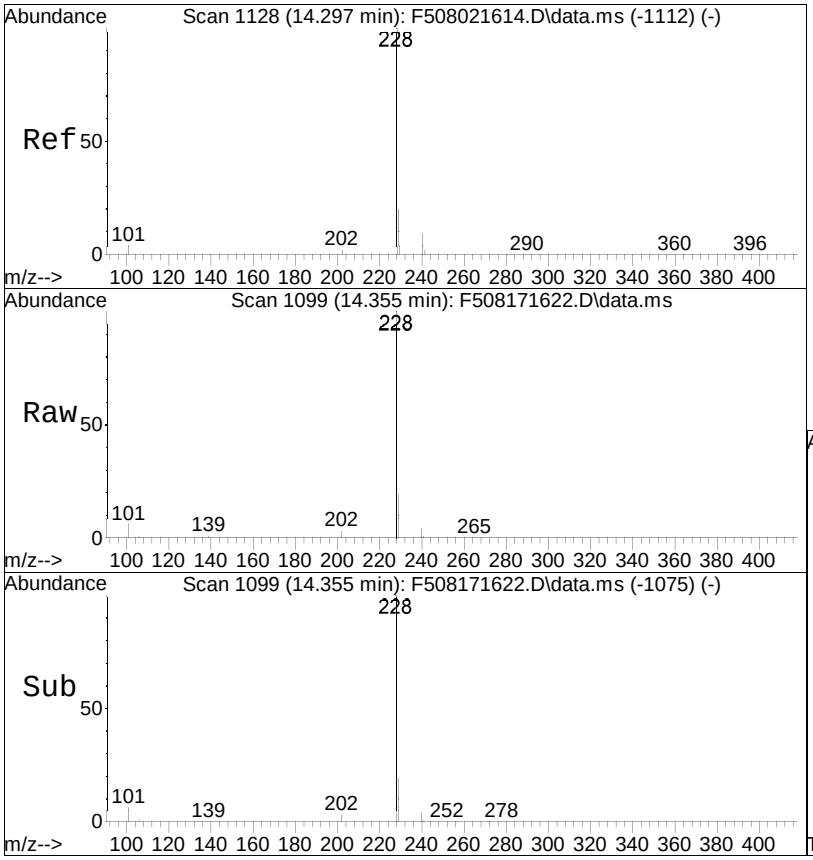


#26
Pyrene
Concen: 411.57 ng/mL
RT: 12.659 min Scan# 884
Delta R.T. -0.000 min
Lab File: F508171622.D
Acq: 18 Aug 2016 1:04 am

Tgt Ion:202 Resp: 143741

Ion	Ratio	Lower	Upper
202	100		
101	12.6	11.4	17.0

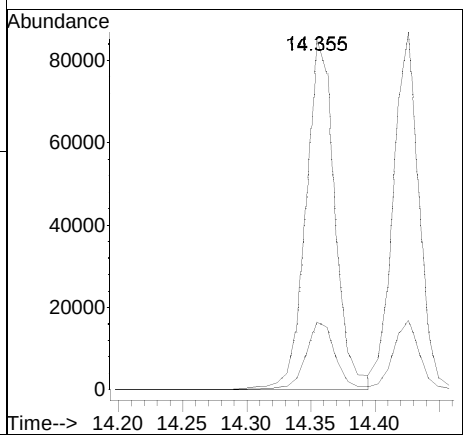


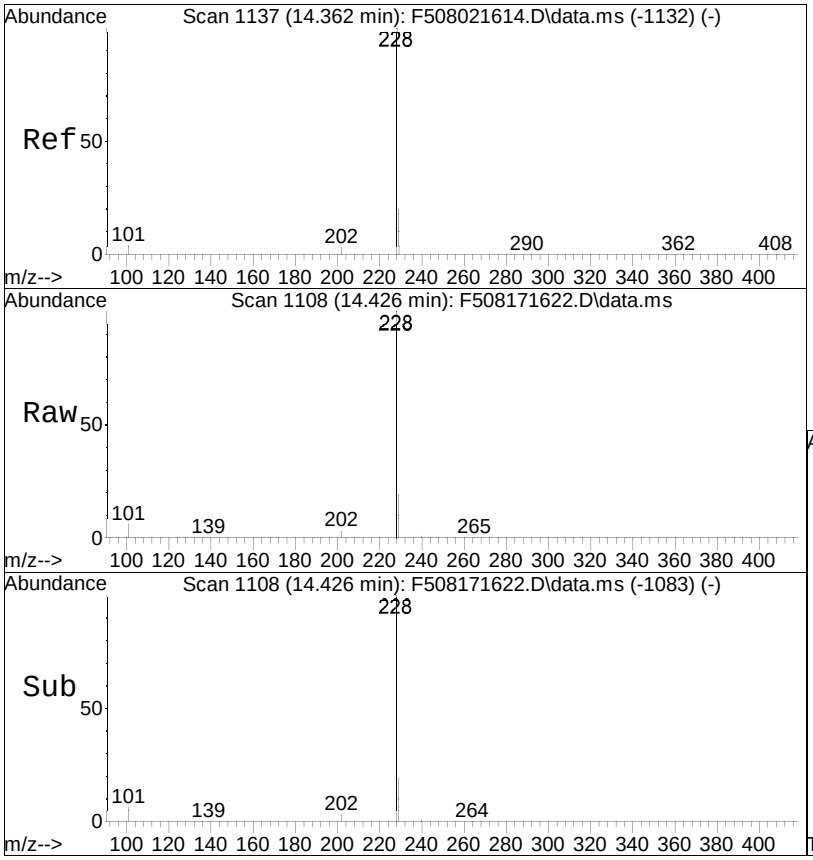


#27
Benz[a]anthracene
Concen: 421.84 ng/mL
RT: 14.355 min Scan# 1099
Delta R.T. -0.008 min
Lab File: F508171622.D
Acq: 18 Aug 2016 1:04 am

Tgt Ion:228 Resp: 133052

Ion	Ratio	Lower	Upper
228	100		
229	19.4	15.4	23.0

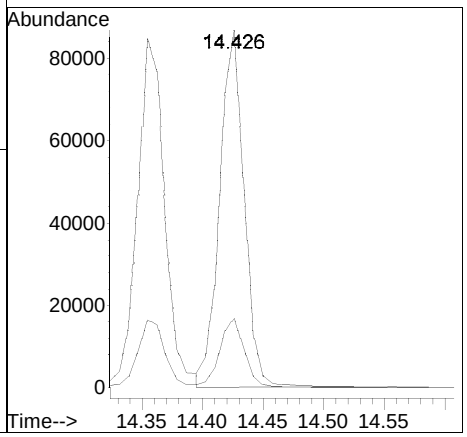


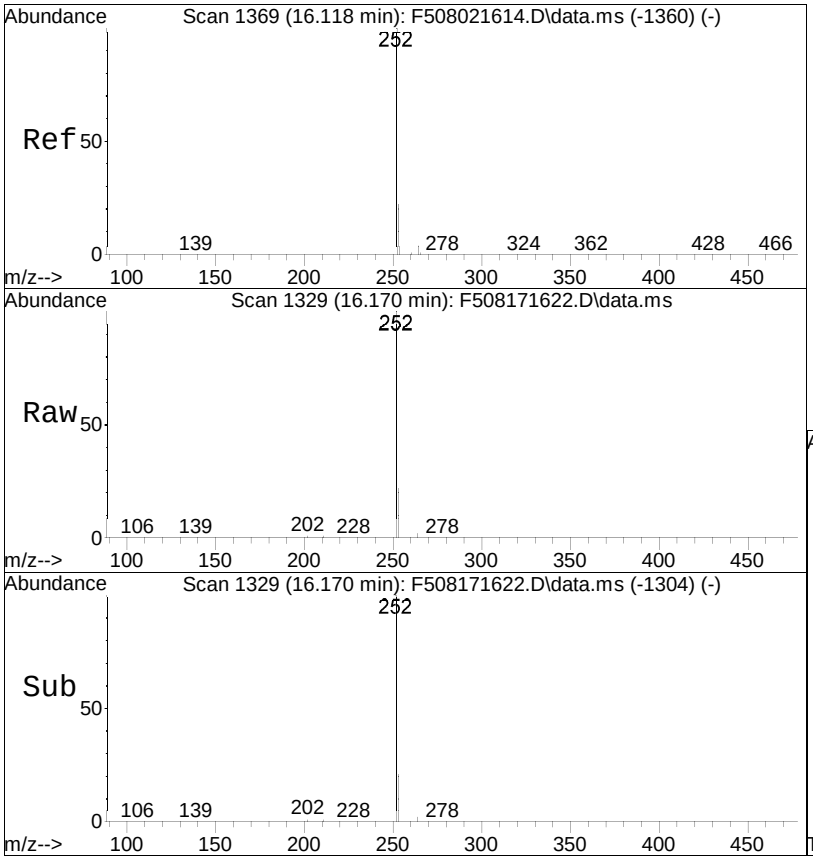


#28
Chrysene
Concen: 407.15 ng/mL
RT: 14.426 min Scan# 1108
Delta R.T. 0.000 min
Lab File: F508171622.D
Acq: 18 Aug 2016 1:04 am

Tgt Ion:228 Resp: 121241

Ion	Ratio	Lower	Upper
228	100		
229	19.5	15.6	23.4

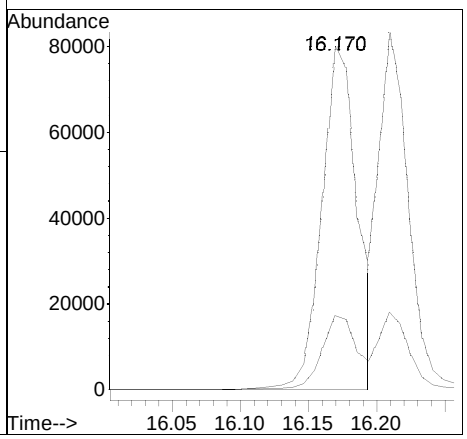


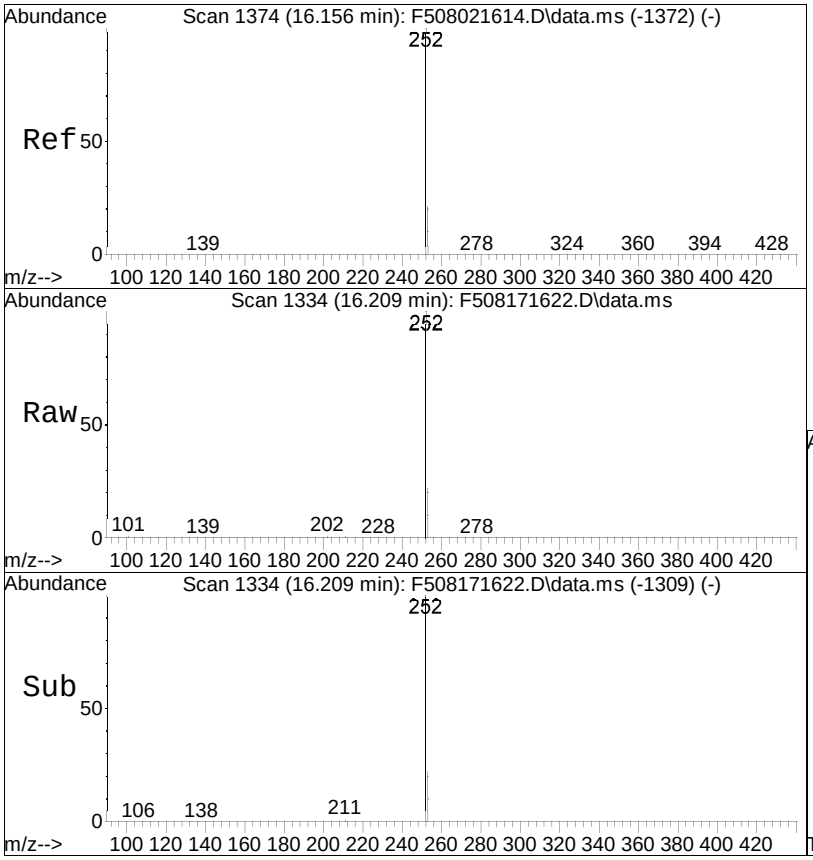


#32
Benzo[b]fluoranthene
Concen: 424.78 ng/mL
RT: 16.170 min Scan# 1329
Delta R.T. 0.000 min
Lab File: F508171622.D
Acq: 18 Aug 2016 1:04 am

Tgt Ion:252 Resp: 145178

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0

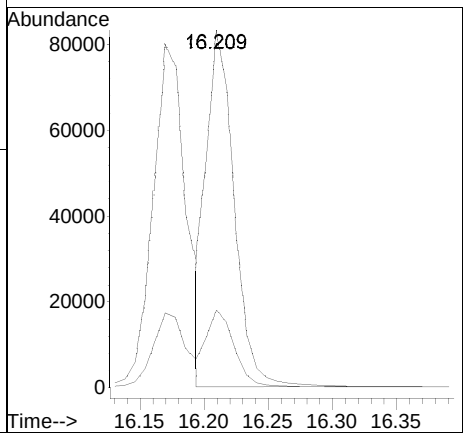


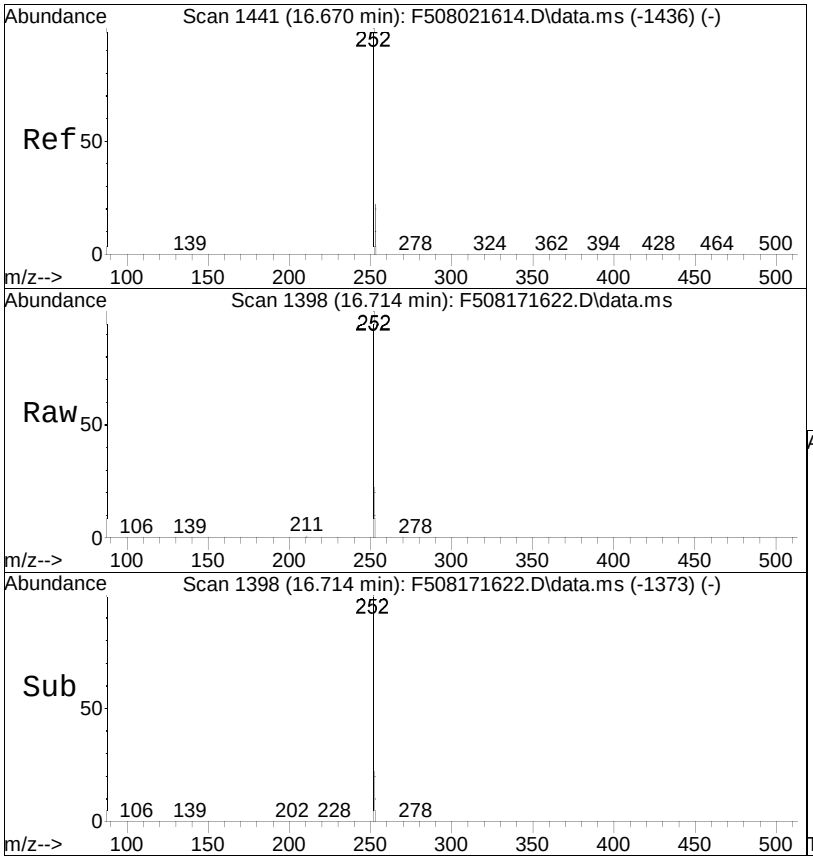


#33
Benzo[k]fluoranthene
Concen: 436.98 ng/mL
RT: 16.209 min Scan# 1334
Delta R.T. -0.000 min
Lab File: F508171622.D
Acq: 18 Aug 2016 1:04 am

Tgt Ion:252 Resp: 124658

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0

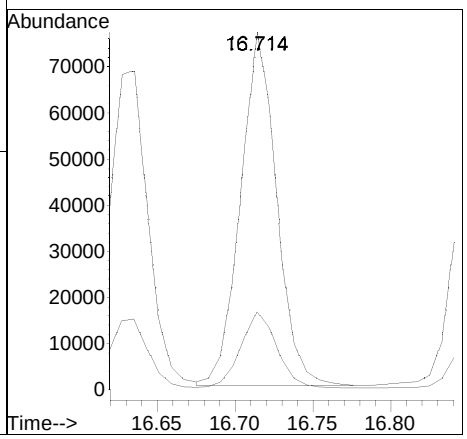


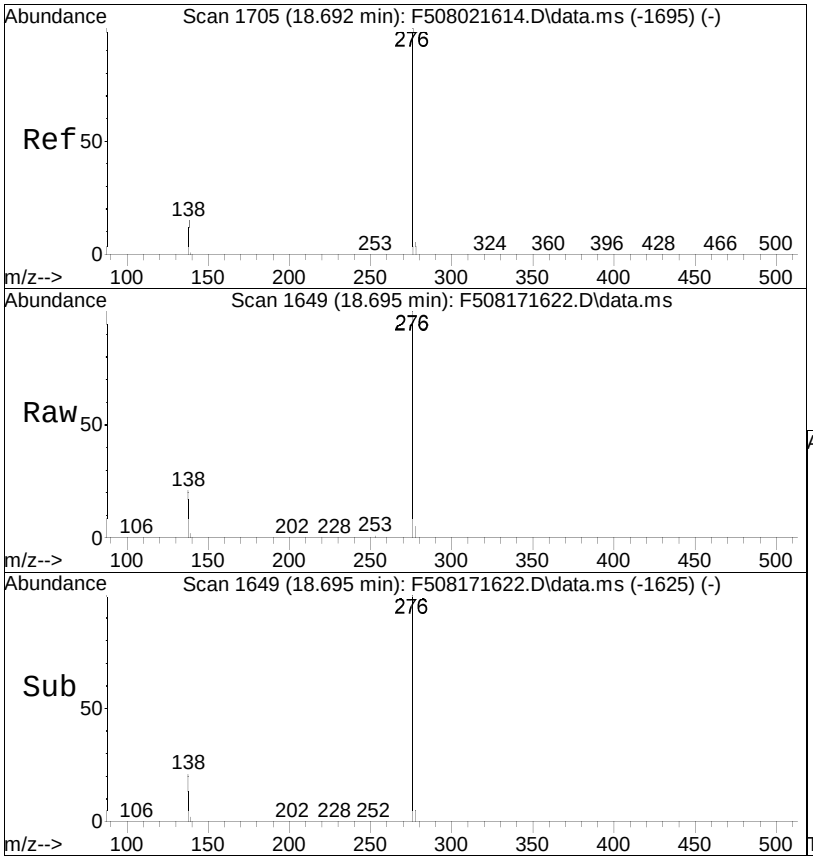


#35
Benzo[a]pyrene
Concen: 411.68 ng/mL
RT: 16.714 min Scan# 1398
Delta R.T. -0.000 min
Lab File: F508171622.D
Acq: 18 Aug 2016 1:04 am

Tgt Ion:252 Resp: 123225

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2

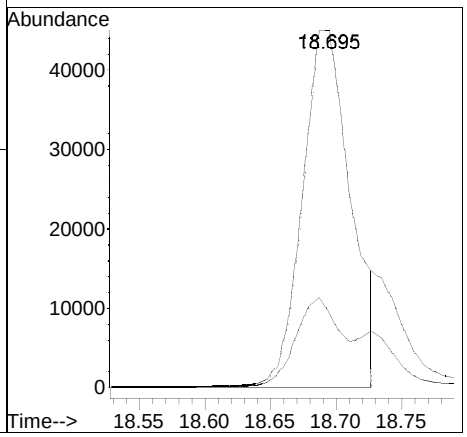


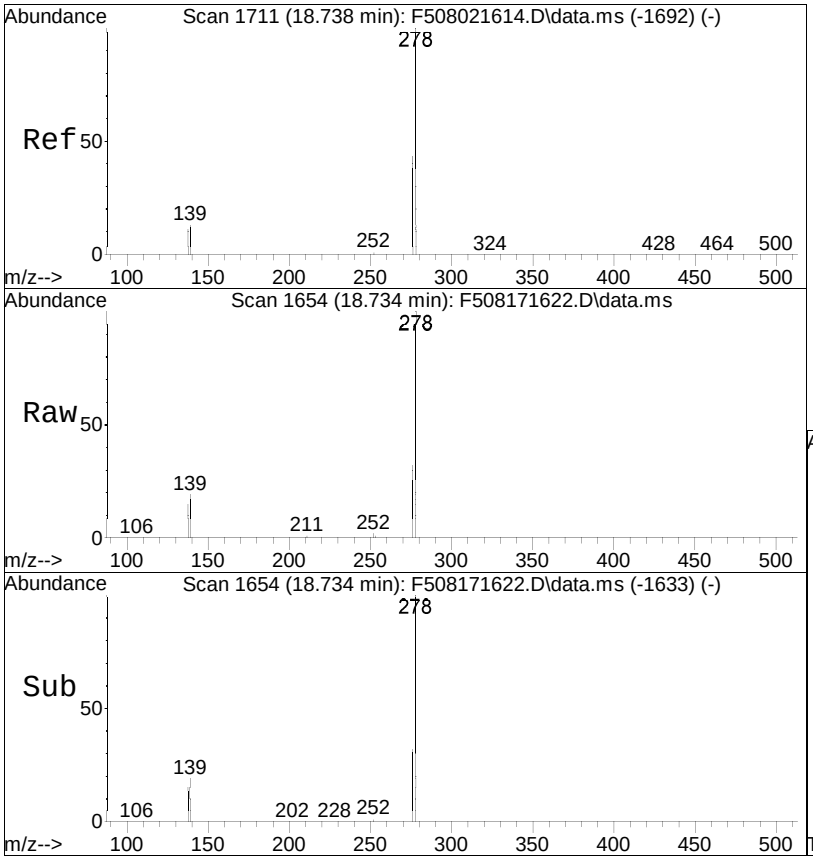


#37
Indeno[1,2,3-cd]pyrene
Concen: 363.01 ng/mL M4
RT: 18.695 min Scan# 1649
Delta R.T. -0.000 min
Lab File: F508171622.D
Acq: 18 Aug 2016 1:04 am

Tgt Ion:276 Resp: 115460

Ion	Ratio	Lower	Upper
276	100		
138	20.9	21.4	32.2#

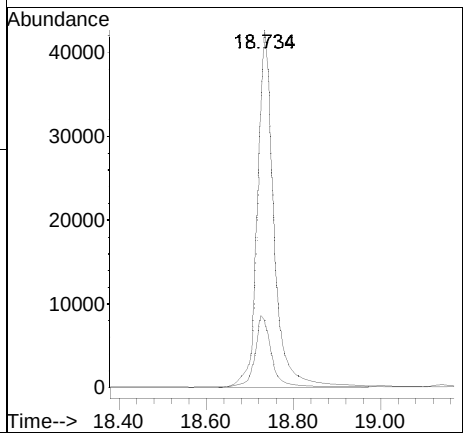


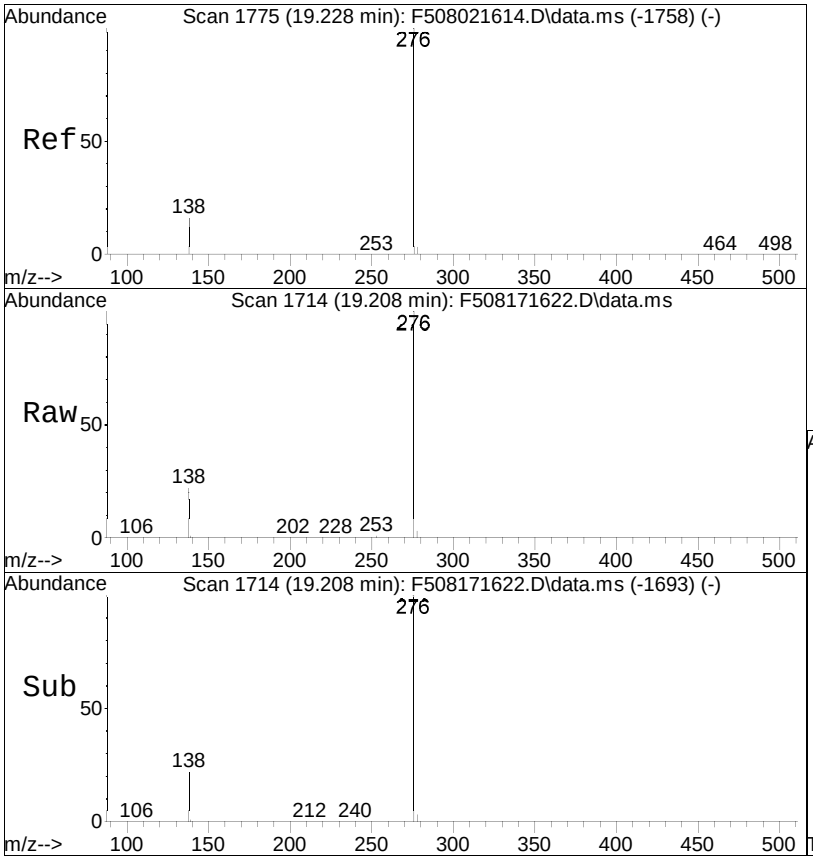


#38
Dibenz[a,h]anthracene
Concen: 351.92 ng/mL
RT: 18.734 min Scan# 1654
Delta R.T. 0.000 min
Lab File: F508171622.D
Acq: 18 Aug 2016 1:04 am

Tgt Ion:278 Resp: 110672

Ion	Ratio	Lower	Upper
278	100		
139	19.1	18.2	27.2

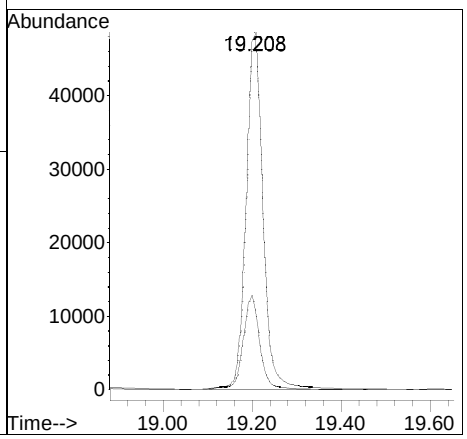




#39
Benzo[g,h,i]perylene
Concen: 381.22 ng/mL
RT: 19.208 min Scan# 1714
Delta R.T. 0.000 min
Lab File: F508171622.D
Acq: 18 Aug 2016 1:04 am

Tgt Ion:276 Resp: 123912

Ion	Ratio	Lower	Upper
276	100		
138	22.3	33.5	50.3#



Sample Preparation

ORGANIC ELN REPORT

Workgroup: WG923129

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** DP875
Surrogate Type: 8270SIM **Lot #:** MSAJ93
Spike Type: 8270SIM **Lot #:** MSAJ72
Spike Verify by: AL
Lims Spikelot: A2-SIMSPK

Additional Reagents/Stds

Glass Wool	11414001
Na2SO4	0000131774

Conc.Method: Buchi
Solvent Type: DCM
Lot #: DP875

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction: Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Concentration: Conc Date	Analyst	Final Vol ml	Conc Unit
WG923129-1 BLANK	08/16/16 11:00	Sarah Barr	1000	7	.1		08/16/16 12:15	Brian Anderson	1	BUCHI 1
WG923129-2 LCS	08/16/16 11:00	Sarah Barr	1000	7	.1	.1	08/16/16 12:15	Amanda Luiz	1	BUCHI 1
WG923129-3 LCSD	08/16/16 11:00	Sarah Barr	1000	7	.1	.1	08/16/16 12:15	Amanda Luiz	1	BUCHI 1
WG923129-4 MS	08/16/16 11:00	Sarah Barr	1000	7	.1	.1	08/16/16 12:15	Amanda Luiz	1	BUCHI 1
WG923129-5 MSD	08/16/16 11:00	Sarah Barr	1000	7	.1	.1	08/16/16 12:15	Amanda Luiz	1	BUCHI 1
L1625236-01 WATER	08/16/16 11:00	Sarah Barr	930	7	.1		08/16/16 12:15	Amanda Luiz	1	BUCHI 1

Reported: 19-AUG-16 12:05 PM

ORGANIC ELN REPORT

Workgroup: WG923129

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L1625236-02 WATER	08/16/16 11:00	Sarah Barr	1010	7	.1		08/16/16 12:15	Amanda Luiz	1	BUCHI 1
L1625236-03 WATER	08/16/16 11:00	Sarah Barr	1000	7	.1		08/16/16 12:15	Amanda Luiz	1	BUCHI 1
L1625236-04 WATER	08/16/16 11:00	Sarah Barr	1010	7	.1		08/16/16 12:15	Amanda Luiz	1	BUCHI 1
L1625236-05 WATER	08/16/16 11:00	Sarah Barr	1000	7	.1		08/16/16 12:15	Amanda Luiz	1	BUCHI 1
L1625236-06 WATER	08/16/16 11:00	Sarah Barr	930	7	.1		08/16/16 12:15	Amanda Luiz	1	BUCHI 1
L1625236-07 WATER	08/16/16 11:00	Sarah Barr	1010	7	.1		08/16/16 12:15	Amanda Luiz	1	BUCHI 1
L1625236-08 WATER	08/16/16 11:00	Sarah Barr	1010	7	.1		08/16/16 12:15	Amanda Luiz	1	BUCHI 2
L1625236-09 WATER	08/16/16 11:00	Sarah Barr	1000	7	.1		08/16/16 12:15	Amanda Luiz	1	BUCHI 2
L1625236-10 WATER	08/16/16 11:00	Sarah Barr	1000	7	.1		08/16/16 12:15	Amanda Luiz	1	BUCHI 2
L1625236-11 WATER	08/16/16 11:00	Sarah Barr	960	7	.1		08/16/16 12:15	Amanda Luiz	1	BUCHI 2

Reported: 19-AUG-16 12:05 PM

GC/MS 8260
Analysis

Initial Calibration

Response Factor Report VOA 101

Method Path : I:\VOLATILES\VOA101\2016\160809A\
Method File : V101_160809_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Aug 11 13:30:16 2016
Response Via : Initial Calibration

Calibration Files
L11 =V01160809A02.d L1 =V01160809A04.d L2 =V01160809A06.d L3 =V01160809A07.d L4 =V01160809A08.d
L6 =V01160809A09.d L8 =V01160809A10.d L10 =V01160809A11.d

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	T	Dichlorodifluo...		0.172	0.206	0.247	0.215	0.217	0.226	0.231	0.216	10.84
3)	T	Chloromethane		0.300	0.296	0.307	0.272	0.266	0.289	0.301	0.290	5.36
4)	C	Vinyl chloride	0.196	0.263	0.307	0.345	0.311	0.306	0.319	0.335	0.298	16.05
5)	T	Bromomethane		0.172	0.143	0.148	0.161	0.182	0.202	0.214	0.175	15.19
6)	T	Chloroethane		0.194	0.213	0.228	0.207	0.201	0.204	0.139	0.198	14.16
7)	T	Trichlorofluor...		0.266	0.311	0.377	0.346	0.353	0.371	0.386	0.344	12.32
8)	T	Ethyl ether		0.082	0.094	0.099	0.092	0.090	0.095	0.098	0.093	6.17
10)	C	1,1-Dichloroet...		0.166	0.185	0.213	0.194	0.195	0.210	0.228	0.199	10.30
11)	T	Carbon disulfide		0.686	0.631	0.698	0.650	0.678	0.738	0.815	0.699	8.78
12)	T	Freon-113		0.143	0.164	0.201	0.183	0.190	0.203	0.217	0.186	13.55
13)	T	Iodomethane		0.070	0.077	0.161	0.203	0.210	0.215	0.222	*L	0.9976
14)	T	Acrolein		0.002	0.012	0.016	0.016	0.016	0.017	0.017	*L	0.9997
15)	T	Methylene chlo...		0.232	0.216	0.216	0.204	0.200	0.211	0.216	0.213	4.85
17)	T	Acetone		0.077	0.032	0.029	0.026	0.025	0.025	0.024	*L	0.9995
18)	T	trans-1,2-Dich...		0.180	0.208	0.226	0.213	0.212	0.227	0.239	0.215	8.81
19)	T	Methyl acetate		0.070	0.070	0.071	0.069	0.070	0.074	0.075	0.071	3.39
20)	T	Methyl tert-bu...		0.402	0.412	0.446	0.424	0.418	0.432	0.436	0.424	3.59
21)	T	tert-Butyl alc...		0.011	0.008	0.004	0.004	0.004	0.005	0.005	*L	0.9940
22)	T	Diisopropyl ether		0.667	0.743	0.801	0.768	0.764	0.804	0.837	0.769	7.11
23)	T	1,1-Dichloroet...		0.353	0.401	0.428	0.405	0.408	0.431	0.447	0.410	7.33
24)	T	Halothane		0.114	0.131	0.150	0.141	0.144	0.151	0.157	0.141	10.33
25)	T	Acrylonitrile		0.009	0.027	0.037	0.036	0.037	0.039	0.039	*L	0.9994
26)	T	Ethyl tert-but...		0.551	0.579	0.627	0.606	0.609	0.638	0.656	0.609	5.84
27)	T	Vinyl acetate		0.269	0.309	0.399	0.391	0.399	0.416	0.417	0.371	15.69
28)	T	cis-1,2-Dichlo...		0.196	0.223	0.235	0.226	0.226	0.238	0.247	0.227	7.06
29)	T	2,2-Dichloropr...		0.279	0.328	0.353	0.326	0.310	0.324	0.332	0.322	7.01
30)	T	Bromochloromet...		0.068	0.081	0.089	0.087	0.082	0.083	0.084	0.082	8.12
31)	T	Cyclohexane		0.311	0.372	0.449	0.419	0.445	0.467	0.493	0.422	14.72
32)	C	Chloroform		0.338	0.369	0.397	0.380	0.389	0.408	0.411	0.385	6.63
33)	T	Ethyl acetate		0.107	0.102	0.115	0.109	0.112	0.114	0.112	0.110	3.99

Method Path : I:\VOLATILES\VOA101\2016\160809A\
Method File : V101_160809_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Aug 11 13:30:16 2016
Response Via : Initial Calibration

Calibration Files
L11 =V01160809A02.d L1 =V01160809A04.d L2 =V01160809A06.d L3 =V01160809A07.d L4 =V01160809A08.d
L6 =V01160809A09.d L8 =V01160809A10.d L10 =V01160809A11.d

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
34)	T	Carbon tetrach...		0.237	0.275	0.323	0.310	0.322	0.333	0.340	0.306	12.04
35)	T	Tetrahydrofuran		0.048	0.041	0.039	0.036	0.035	0.035	0.034	0.038	12.72
36)	S	Dibromofluorom...	0.256	0.251	0.253	0.254	0.250	0.255	0.264	0.264	0.256	2.18
37)	T	1,1,1-Trichlor...		0.305	0.347	0.383	0.364	0.371	0.383	0.389	0.363	8.10
39)	T	2-Butanone		0.078	0.050	0.046	0.041	0.036	0.036	0.035	*L	0.9979
40)	T	1,1-Dichloropr...		0.231	0.276	0.312	0.294	0.303	0.312	0.317	0.292	10.39
41)	T	Benzene		0.751	0.832	0.888	0.850	0.869	0.903	0.946	0.863	7.15
42)	T	tert-Amyl meth...		0.402	0.433	0.476	0.458	0.467	0.481	0.484	0.457	6.49
43)	S	1,2-Dichloroet...	0.337	0.280	0.284	0.285	0.282	0.289	0.298	0.298	0.294	6.37
44)	T	1,2-Dichloroet...		0.251	0.244	0.268	0.254	0.255	0.261	0.262	0.256	3.12
47)	T	Methyl cyclohe...		0.287	0.302	0.363	0.344	0.366	0.383	0.414	0.351	12.66
48)	T	Trichloroethene		0.185	0.215	0.234	0.226	0.235	0.250	0.265	0.230	11.05
50)	T	Dibromomethane		0.085	0.087	0.097	0.094	0.094	0.096	0.097	0.093	5.22
51)	C	1,2-Dichloropr...		0.181	0.197	0.215	0.204	0.205	0.212	0.218	0.205	6.19
53)	T	2-Chloroethyl ...		0.048	0.066	0.081	0.076	0.071	0.069	0.064	0.068	15.58
54)	T	Bromodichlorom...		0.214	0.244	0.275	0.264	0.267	0.277	0.287	0.261	9.55
57)	T	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.001	17.68
58)	T	cis-1,3-Dichlo...		0.257	0.271	0.312	0.302	0.302	0.310	0.320	0.296	7.80
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.370	1.399	1.370	1.375	1.361	1.322	1.308	1.280	1.348	2.97
61)	C	Toluene		0.683	0.715	0.804	0.754	0.783	0.804	0.820	0.766	6.69
62)	T	4-Methyl-2-pen...		0.019	0.040	0.052	0.051	0.053	0.053	0.052	*L	0.9998
63)	T	Tetrachloroethene		0.249	0.276	0.310	0.291	0.300	0.301	0.303	0.290	7.27
65)	T	trans-1,3-Dich...		0.274	0.298	0.356	0.347	0.355	0.364	0.364	0.337	10.63
67)	T	Ethyl methacry...		0.143	0.190	0.236	0.236	0.246	0.250	0.247	0.221	18.17
68)	T	1,1,2-Trichlor...		0.130	0.139	0.160	0.152	0.153	0.155	0.155	0.149	7.12
69)	T	Chlorodibromom...		0.159	0.190	0.225	0.219	0.222	0.224	0.225	0.209	12.21
70)	T	1,3-Dichloropr...		0.288	0.306	0.339	0.317	0.314	0.314	0.311	0.313	4.90
71)	T	1,2-Dibromoethane		0.135	0.157	0.171	0.162	0.164	0.162	0.160	0.159	7.08
72)	T	2-Hexanone		0.039	0.058	0.084	0.083	0.085	0.082	0.079	*L	0.9988
73)	T	Chlorobenzene		0.710	0.745	0.826	0.780	0.793	0.820	0.821	0.785	5.60

Response Factor Report VOA 101

Method Path : I:\VOLATILES\VOA101\2016\160809A\
Method File : V101_160809_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Aug 11 13:30:16 2016
Response Via : Initial Calibration

Calibration Files
L11 =V01160809A02.d L1 =V01160809A04.d L2 =V01160809A06.d L3 =V01160809A07.d L4 =V01160809A08.d
L6 =V01160809A09.d L8 =V01160809A10.d L10 =V01160809A11.d

		Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
74)	C	Ethylbenzene		1.261	1.405	1.568	1.500	1.587	1.655	1.691	1.524		9.84
75)	T	1,1,1,2-Tetrac...		0.210	0.246	0.271	0.263	0.274	0.281	0.285	0.261		10.02
76)	T	p/m Xylene		0.451	0.495	0.562	0.554	0.600	0.633	0.661	0.565		13.15
77)	T	o Xylene		0.417	0.474	0.534	0.532	0.571	0.597	0.626	0.536		13.43
78)	T	Styrene		0.644	0.734	0.885	0.901	1.009	1.039	1.013	0.889		16.95
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------										
80)	T	Bromoform		0.185	0.194	0.238	0.243	0.258	0.259	0.257	0.234		13.29
82)	T	Isopropylbenzene		2.616	2.913	3.165	2.975	3.125	3.230	3.269	3.042		7.49
83)	S	4-Bromofluorob...	1.041	1.064	1.055	1.017	0.966	0.954	0.958	0.913	0.996		5.58
84)	T	Bromobenzene		0.536	0.589	0.614	0.572	0.591	0.604	0.606	0.588		4.53
85)	T	n-Propylbenzene		3.131	3.560	3.842	3.617	3.949	4.108	3.844	3.722		8.61
86)	T	1,4-Dichlorobu...		0.618	0.706	0.745	0.692	0.728	0.743	0.731	0.709		6.28
87)	T	1,1,2,2-Tetrac...		0.314	0.352	0.384	0.352	0.358	0.356	0.353	0.352		5.81
88)	T	4-Ethyltoluene		2.429	2.787	3.061	2.856	3.105	3.217	3.264	2.960		9.88
89)	T	2-Chlorotoluene		1.963	2.160	2.311	2.068	2.221	2.336	2.318	2.197		6.45
90)	T	1,3,5-Trimethy...		2.039	2.322	2.482	2.345	2.559	2.629	2.690	2.438		9.14
91)	T	1,2,3-Trichlor...		0.293	0.328	0.339	0.310	0.321	0.321	0.321	0.319		4.57
92)	T	trans-1,4-Dich...		0.043	0.101	0.127	0.122	0.121	0.119	0.114	*L		0.9989
93)	T	4-Chlorotoluene		1.860	1.999	2.214	2.068	2.178	2.251	2.294	2.123		7.31
94)	T	tert-Butylbenzene		1.730	1.934	2.109	1.942	2.060	2.121	2.157	2.007		7.47
97)	T	1,2,4-Trimethy...		1.951	2.205	2.444	2.292	2.436	2.523	2.563	2.345		9.12
98)	T	sec-Butylbenzene		2.536	2.812	3.102	2.884	3.076	3.186	3.222	2.974		8.23
99)	T	p-Isopropyltol...		1.928	2.261	2.549	2.363	2.496	2.568	2.633	2.400		10.17
100)	T	1,3-Dichlorobe...		1.039	1.090	1.197	1.130	1.144	1.182	1.213	1.142		5.43
101)	T	1,4-Dichlorobe...		1.090	1.120	1.181	1.104	1.116	1.147	1.165	1.132		2.94
102)	T	p-Diethylbenzene		1.053	1.299	1.431	1.356	1.390	1.449	1.500	1.354		10.92
103)	T	n-Butylbenzene		1.740	2.046	2.268	2.150	2.189	2.258	2.338	2.141		9.36
104)	T	1,2-Dichlorobe...		0.880	0.907	0.984	0.912	0.915	0.916	0.946	0.923		3.57
105)	T	1,2,4,5-Tetram...		1.436	1.609	1.827	1.701	1.689	1.694	1.820	1.682		7.91
106)	T	1,2-Dibromo-3-...		0.013	0.029	0.034	0.033	0.033	0.033	0.033	*L		0.9998
107)	T	1,3,5-Trichlor...		0.496	0.545	0.585	0.540	0.524	0.522	0.522	0.533		5.17

Method Path : I:\VOLATILES\VOA101\2016\160809A\
Method File : V101_160809_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Aug 11 13:30:16 2016
Response Via : Initial Calibration

Calibration Files
L11 =V01160809A02.d L1 =V01160809A04.d L2 =V01160809A06.d L3 =V01160809A07.d L4 =V01160809A08.d
L6 =V01160809A09.d L8 =V01160809A10.d L10 =V01160809A11.d

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
108) T	Hexachlorobuta...	0.191	0.183	0.184	0.165	0.152	0.157	0.164	0.171	8.78	
109) T	1,2,4-Trichlor...	0.311	0.353	0.377	0.331	0.317	0.312	0.312	0.330	7.70	
110) T	Naphthalene	0.541	0.517	0.549	0.496	0.468	0.460	0.439	0.496	8.53	
111) T	1,2,3-Trichlor...	0.205	0.215	0.217	0.187	0.169	0.162	0.154	0.187	13.86	

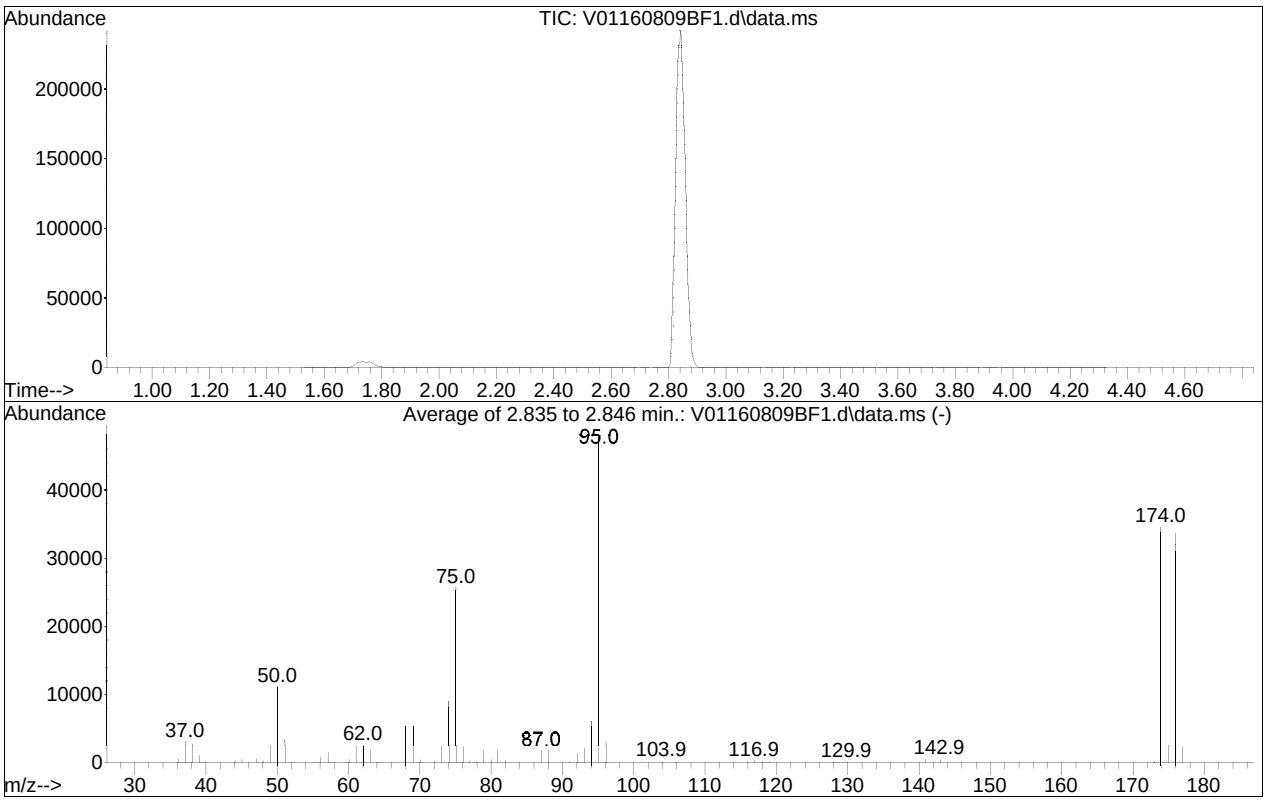
(#) = Out of Range

BFB

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809BF1.d
Acq On : 9 Aug 2016 11:59
Operator : VOA101:MS
Sample : WG921955-1
Misc : WG921955
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA101\2016\Methods\V101_160809_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Aug 11 13:30:16 2016



AutoFind: Scans 241, 242, 243; Background Corrected with Scan 232

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.7	11172	PASS
75	95	30	60	54.5	25680	PASS
95	95	100	100	100.0	47144	PASS
96	95	5	9	6.6	3111	PASS
173	174	0.00	2	0.7	258	PASS
174	95	50	100	73.4	34600	PASS
175	174	5	9	7.2	2507	PASS
176	174	95	101	97.0	33579	PASS
177	176	5	9	6.6	2217	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A02.d
Acq On : 9 Aug 2016 14:43
Operator : VOA101:MS
Sample : ISTDL11
Misc : WG921955,ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 16:03:21 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 11:40:12 2016
Response via : Initial Calibration

Sub List : 8260-VC - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.076	96	586037	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.907	117	403962	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	12.798	152	186119	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	5.220	113	150064	10.227	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.27%			
43) 1,2-Dichloroethane-d4	5.776	65	197766	12.335	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 123.35%			
60) Toluene-d8	7.904	98	553317	10.011	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.11%			
83) 4-Bromofluorobenzene	11.483	95	193842	10.110	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.10%			
Target Compounds						Qvalue
4) Vinyl chloride	1.858	62	2296M1	0.133	ug/L	

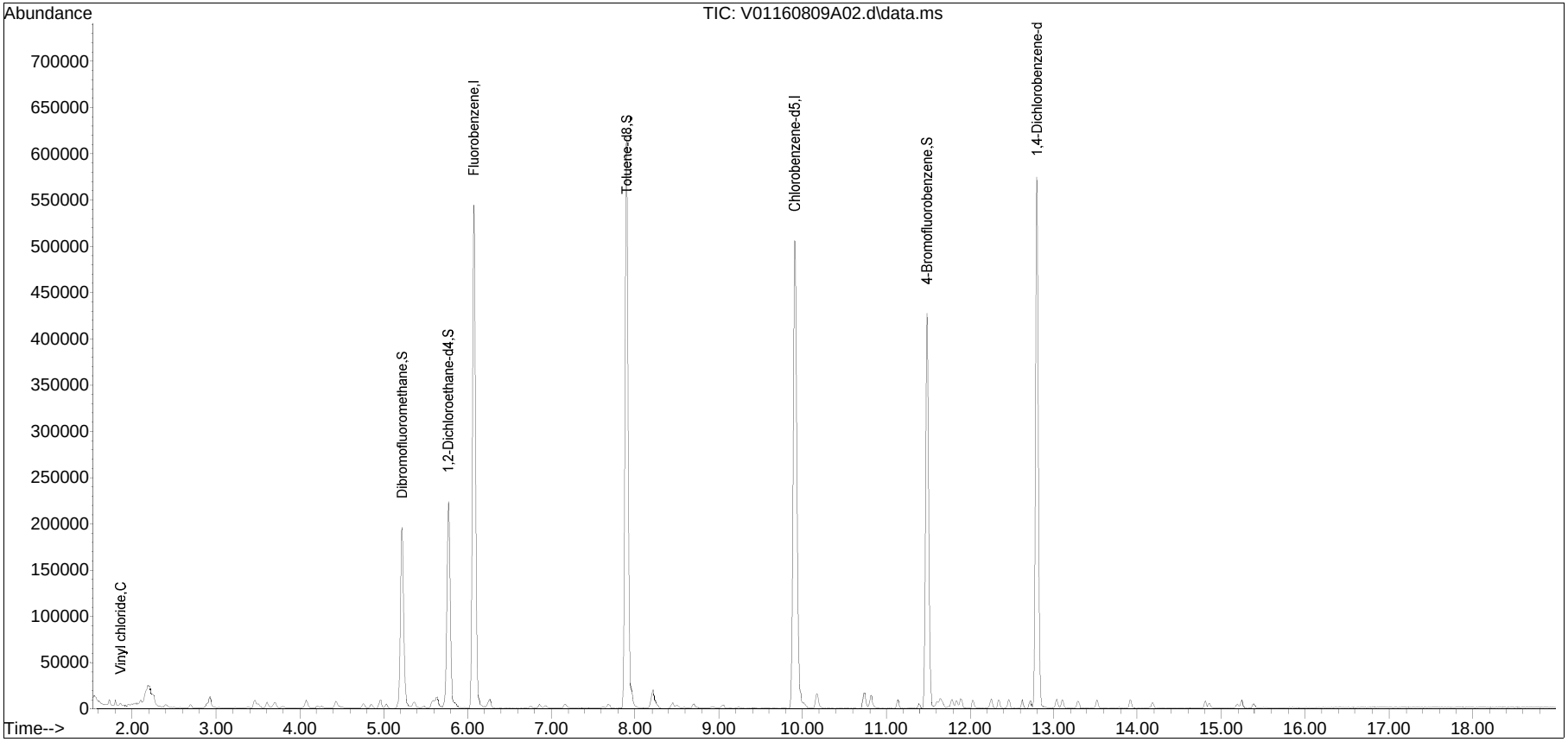
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A02.d
Acq On : 9 Aug 2016 14:43
Operator : VOA101:MS
Sample : ISTDL11
Misc : WG921955,ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 16:03:21 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 11:40:12 2016
Response via : Initial Calibration

Sub List : 8260-VC - All compounds listed

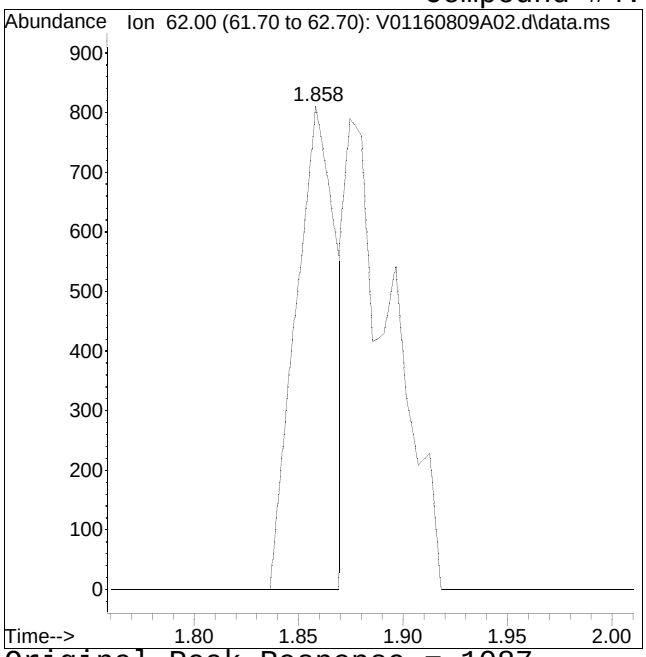


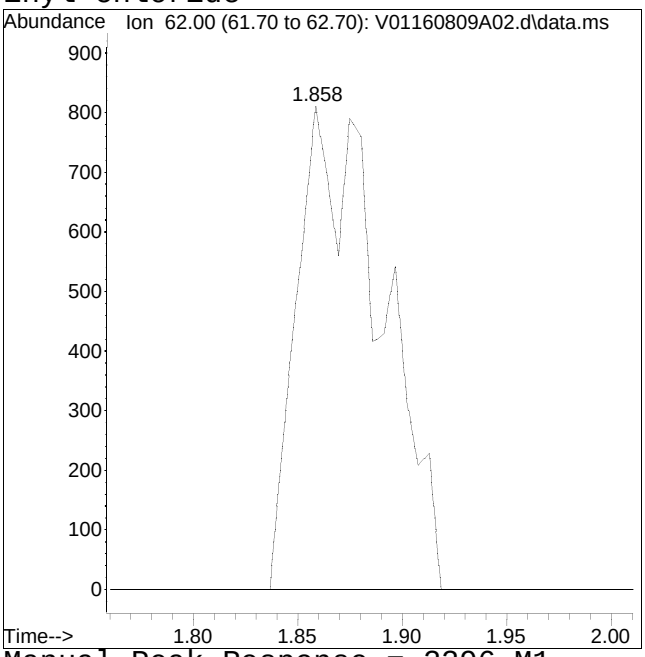
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1Q
Data File : V01160809A02.d
Date Inj'd : 8/9/2016 14:43
Sample : ISTDL11

Method : V101_160809_8260.m
Operator : VOA101:MS
Instrument : VOA 101
Quant Date : 8/9/2016 3:57 pm

Compound #4: Vinyl chloride





Original Peak Response = 1087 Manual Peak Response = 2296 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A04.d
Acq On : 9 Aug 2016 15:40
Operator : VOA101:MS
Sample : ISTDL1
Misc : WG921955,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 09 16:06:25 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 11:40:12 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.082	96	545565	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.912	117	371635	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	12.798	152	165828	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	5.219	113	136967	10.027	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.27%			
43) 1,2-Dichloroethane-d4	5.776	65	152731	10.232	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.32%			
60) Toluene-d8	7.904	98	519948	10.225	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.25%			
83) 4-Bromofluorobenzene	11.483	95	176431	10.328	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.28%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.591	85	4702	0.403	ug/L	97
3) Chloromethane	1.776	50	8181	0.561	ug/L	98
4) Vinyl chloride	1.847	62	7173	0.445	ug/L	97
5) Bromomethane	2.148	94	4699	1.012	ug/L	95
6) Chloroethane	2.262	64	5279	0.499	ug/L	93
7) Trichlorofluoromethane	2.398	101	7263	0.384	ug/L	100
8) Ethyl ether	2.699	74	2226	0.508	ug/L	92
10) 1,1-Dichloroethene	2.895	96	4525	0.427	ug/L	96
11) Carbon disulfide	2.922	76	18715	0.507	ug/L	96
12) Freon-113	2.928	101	3907	0.385	ug/L #	8
13) Iodomethane	3.026	142	1918	0.967	ug/L #	91
14) Acrolein	3.266	56	51	1.189	ug/L #	1
15) Methylene chloride	3.452	84	6318	0.570	ug/L	97
17) Acetone	3.512	43	2089	1.199	ug/L #	88
18) trans-1,2-Dichloroethene	3.604	96	4897	0.432	ug/L	94
19) Methyl acetate	3.626	43	1902	0.557	ug/L #	78
20) Methyl tert-butyl ether	3.708	73	10956	0.547	ug/L	95
21) tert-Butyl alcohol	3.784	59	1501	7.818	ug/L #	72
22) Diisopropyl ether	4.074	45	18199	0.471	ug/L	97
23) 1,1-Dichloroethane	4.215	63	9634	0.451	ug/L	99
24) Halothane	4.265	117	3112	0.413	ug/L	93
25) Acrylonitrile	4.308	53	242M1	0.731	ug/L	
26) Ethyl tert-butyl ether	4.434	59	15038	0.514	ug/L #	66
27) Vinyl acetate	4.477	43	7339M1	0.403	ug/L	
28) cis-1,2-Dichloroethene	4.761	96	5354	0.458	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A04.d
Acq On : 9 Aug 2016 15:40
Operator : VOA101:MS
Sample : ISTDL1
Misc : WG921955,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 09 16:06:25 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 11:40:12 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2,2-Dichloropropane	4.865	77	7622	0.434	ug/L		99
30) Bromochloromethane	4.963	128	1857	0.447	ug/L		82
31) Cyclohexane	4.958	56	8484	0.372	ug/L		95
32) Chloroform	5.034	83	9213	0.457	ug/L		97
33) Ethyl acetate	5.176	43	2911M1	0.490	ug/L		
34) Carbon tetrachloride	5.170	117	6473	0.391	ug/L		97
35) Tetrahydrofuran	5.192	42	1304	0.691	ug/L		92
37) 1,1,1-Trichloroethane	5.241	97	8315	0.431	ug/L		97
39) 2-Butanone	5.367	43	2125	1.087	ug/L	#	76
40) 1,1-Dichloropropene	5.378	75	6301	0.404	ug/L		98
41) Benzene	5.634	78	20493	0.449	ug/L		95
42) tert-Amyl methyl ether	5.749	73	10976	0.497	ug/L		94
44) 1,2-Dichloroethane	5.852	62	6844	0.529	ug/L		95
47) Methyl cyclohexane	6.251	83	7817	0.419	ug/L		93
48) Trichloroethene	6.273	95	5060	0.414	ug/L		93
50) Dibromomethane	6.747	93	2313	0.502	ug/L		94
51) 1,2-Dichloropropane	6.856	63	4938	0.471	ug/L		98
53) 2-Chloroethyl vinyl ether	7.620	63	1318	0.472	ug/L	#	82
54) Bromodichloromethane	6.927	83	5826	0.433	ug/L	#	96
57) 1,4-Dioxane	7.162	88	3673	127.774	ug/L		92
58) cis-1,3-Dichloropropene	7.680	75	7013	0.466	ug/L		94
61) Toluene	7.964	92	12684	0.455	ug/L		99
62) 4-Methyl-2-pentanone	8.461	58	361	0.729	ug/L	#	1
63) Tetrachloroethene	8.455	166	4624	0.436	ug/L		97
65) trans-1,3-Dichloropropene	8.504	75	5099	0.438	ug/L		97
67) Ethyl methacrylate	8.706	69	2650	0.356	ug/L		83
68) 1,1,2-Trichloroethane	8.695	83	2414	0.476	ug/L		93
69) Chlorodibromomethane	8.930	129	2949	0.405	ug/L		99
70) 1,3-Dichloropropane	9.044	76	5347	0.499	ug/L		95
71) 1,2-Dibromoethane	9.235	107	2511	0.471	ug/L		97
72) 2-Hexanone	9.595	43	723M1	0.322	ug/L		
73) Chlorobenzene	9.928	112	13188	0.472	ug/L	#	76
74) Ethylbenzene	9.977	91	23431	0.424	ug/L		96
75) 1,1,1,2-Tetrachloroethane	10.021	131	3899	0.427	ug/L	#	61
76) p/m Xylene	10.179	106	16751	0.821	ug/L		88
77) o Xylene	10.736	106	15500	0.807	ug/L		90
78) Styrene	10.807	104	23943	0.752	ug/L		95
80) Bromoform	10.834	173	1538	0.410	ug/L		89
82) Isopropylbenzene	11.134	105	21688	0.422	ug/L		99
84) Bromobenzene	11.614	156	4447	0.470	ug/L		96
85) n-Propylbenzene	11.647	91	25961	0.413	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A04.d
Acq On : 9 Aug 2016 15:40
Operator : VOA101:MS
Sample : ISTDL1
Misc : WG921955,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 09 16:06:25 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 11:40:12 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
86)	1,4-Dichlorobutane	11.674	55	5123	0.463	ug/L		97
87)	1,1,2,2-Tetrachloroethane	11.740	83	2600	0.479	ug/L	#	95
88)	4-Ethyltoluene	11.783	105	20137	0.404	ug/L		99
89)	2-Chlorotoluene	11.833	91	16277M1	0.448	ug/L		
90)	1,3,5-Trimethylbenzene	11.887	105	16908	0.417	ug/L	#	63
91)	1,2,3-Trichloropropane	11.898	75	2429	0.507	ug/L		89
92)	trans-1,4-Dichloro-2-b...	11.964	53	356	0.593	ug/L	#	70
93)	4-Chlorotoluene	12.034	91	15421	0.437	ug/L	#	100
94)	tert-Butylbenzene	12.258	119	14342	0.433	ug/L		96
97)	1,2,4-Trimethylbenzene	12.340	105	16178	0.422	ug/L		97
98)	sec-Butylbenzene	12.465	105	21024	0.427	ug/L		96
99)	p-Isopropyltoluene	12.629	119	15988	0.404	ug/L		97
100)	1,3-Dichlorobenzene	12.716	146	8616	0.474	ug/L		97
101)	1,4-Dichlorobenzene	12.815	146	9038M3	0.501	ug/L		
102)	p-Diethylbenzene	13.033	119	8730	0.394	ug/L		88
103)	n-Butylbenzene	13.104	91	14426	0.405	ug/L		97
104)	1,2-Dichlorobenzene	13.284	146	7300	0.516	ug/L		88
105)	1,2,4,5-Tetramethylben...	13.917	119	11906	0.458	ug/L		97
106)	1,2-Dibromo-3-chloropr...	14.146	155	104	0.230	ug/L	#	39
107)	1,3,5-Trichlorobenzene	14.184	180	4110	0.526	ug/L		95
108)	Hexachlorobutadiene	14.806	225	1586	0.629	ug/L		99
109)	1,2,4-Trichlorobenzene	14.855	180	2575	0.603	ug/L		93
110)	Naphthalene	15.194	128	4489	0.733	ug/L		100
111)	1,2,3-Trichlorobenzene	15.385	180	1703	0.812	ug/L		93

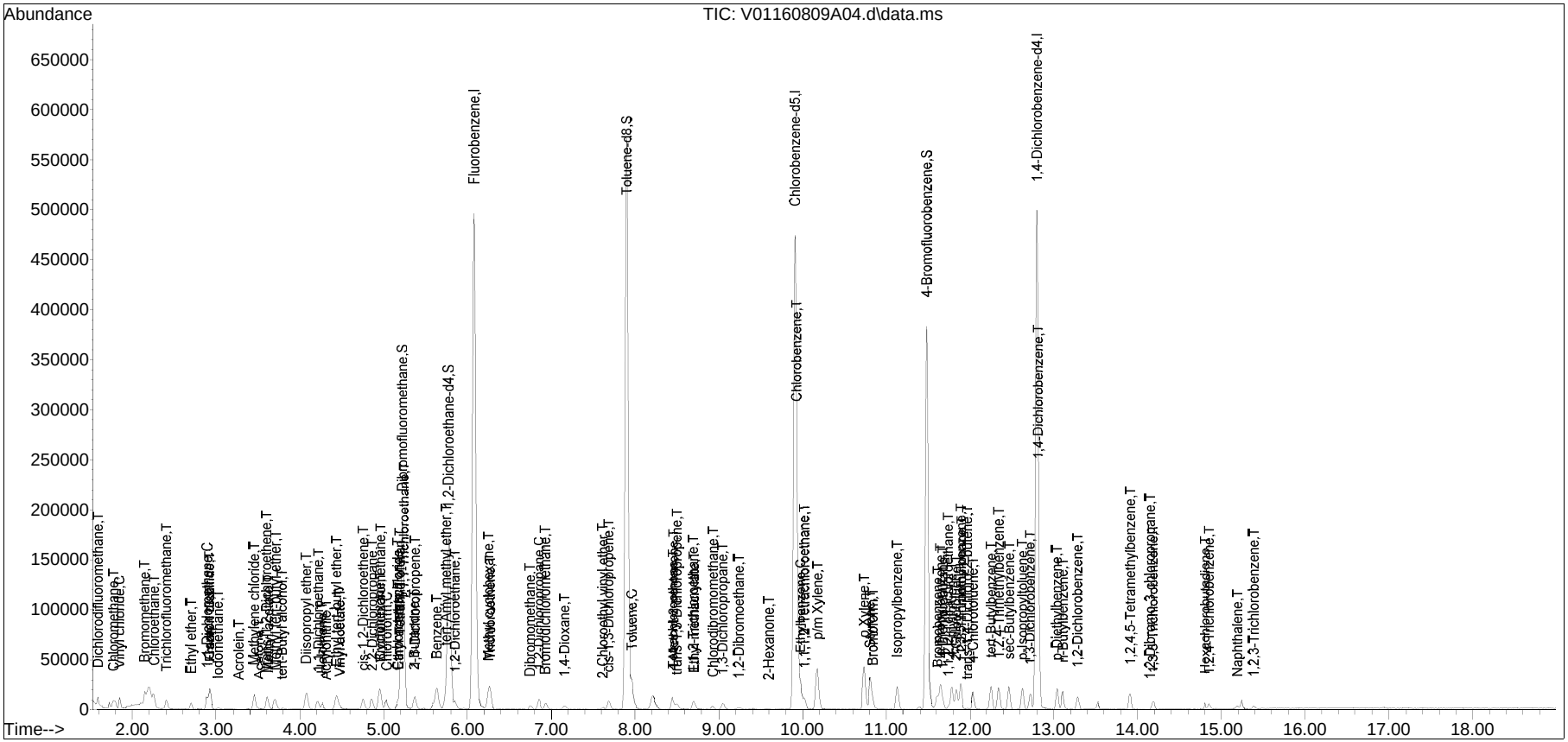
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A04.d
Acq On : 9 Aug 2016 15:40
Operator : VOA101:MS
Sample : ISTDL1
Misc : WG921955,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 09 16:06:25 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 11:40:12 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

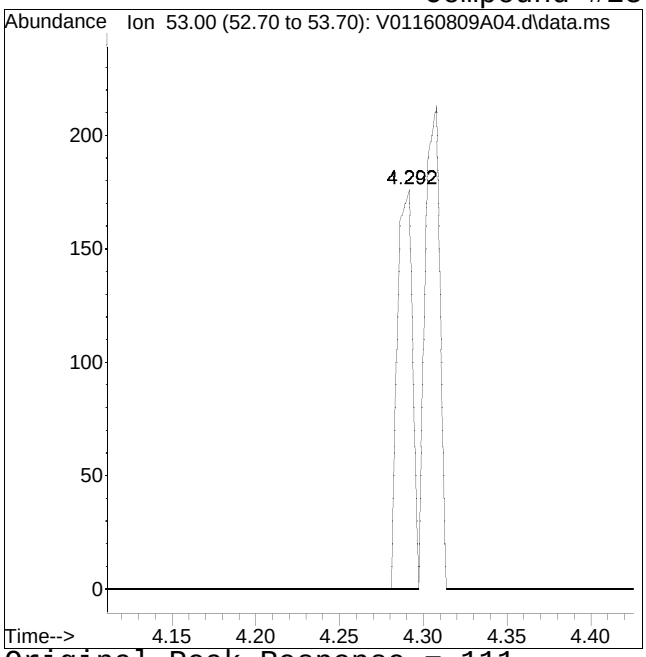


Manual Integration Report

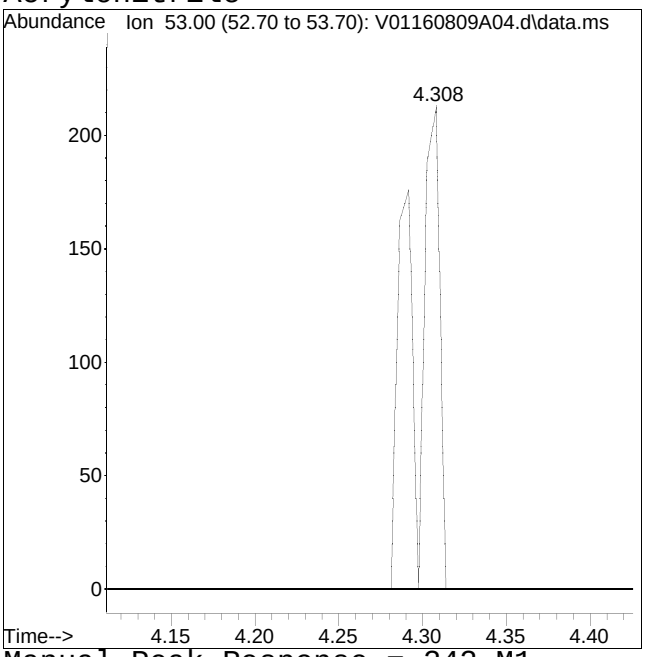
Data Path : I:\VOLATILES\VOA101\2016\1Q
Data File : V01160809A04.d
Date Inj'd : 8/9/2016 15:40
Sample : ISTDL1

Method : V101_160809_8260.m
Operator : VOA101:MS
Instrument : VOA 101
Quant Date : 8/9/2016 4:03 pm

Compound #25: Acrylonitrile



Original Peak Response = 111



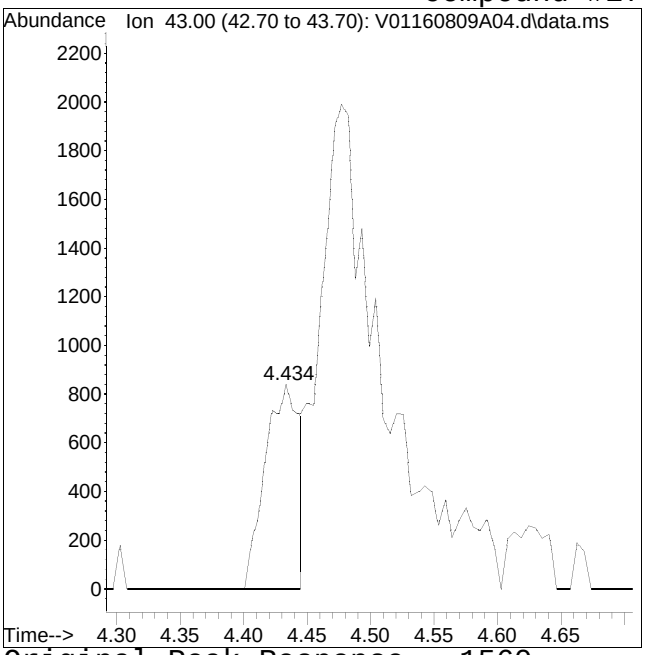
Manual Peak Response = 242 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

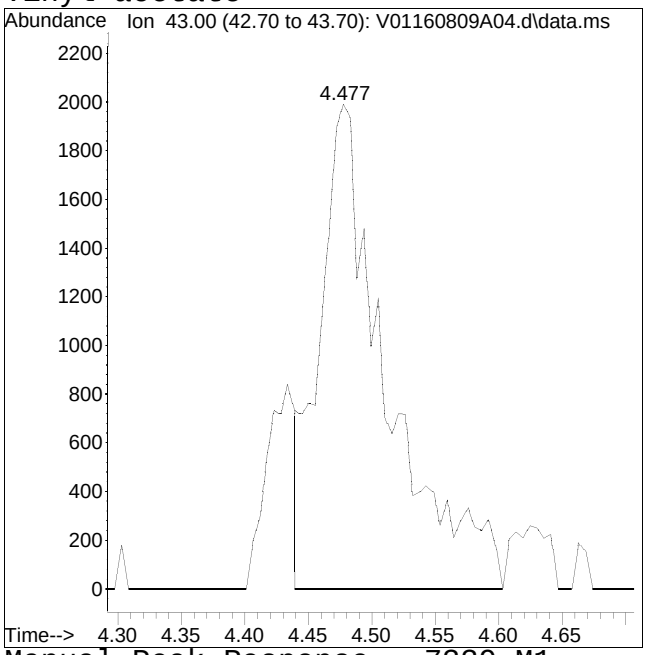
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1QMethod : V101_160809_8260.m
Data File : V01160809A04.d Operator : VOA101:MS
Date Inj'd : 8/9/2016 15:40 Instrument : VOA 101
Sample : ISTDL1 Quant Date : 8/9/2016 4:03 pm

Compound #27: Vinyl acetate



Original Peak Response = 1560



Manual Peak Response = 7339 M1

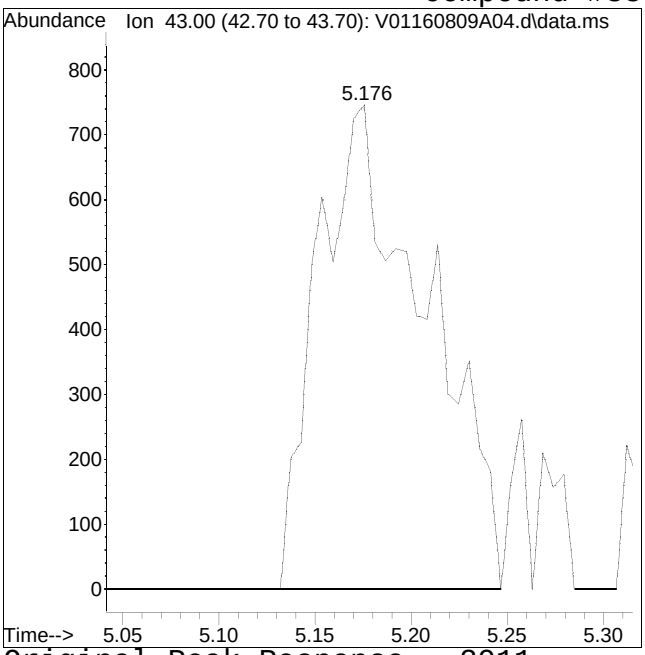
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

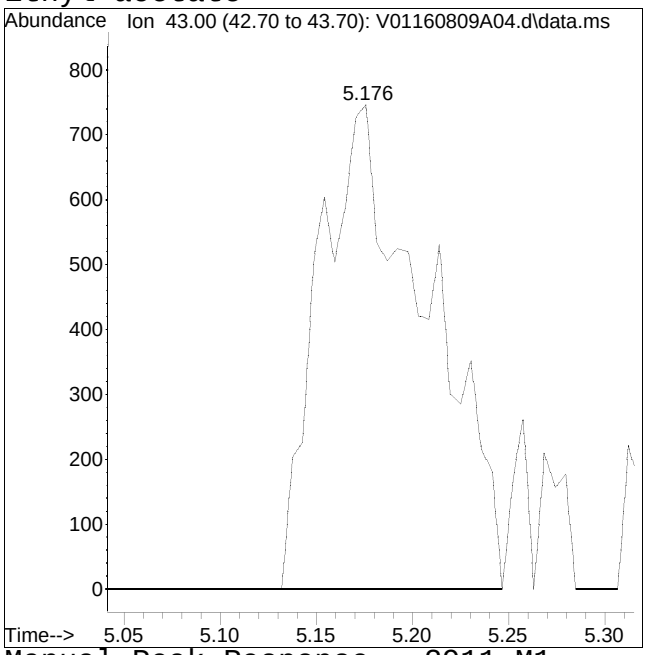
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1Q
Data File : V01160809A04.d
Date Inj'd : 8/9/2016 15:40
Sample : ISTDL1

Method : V101_160809_8260.m
Operator : VOA101:MS
Instrument : VOA 101
Quant Date : 8/9/2016 4:03 pm

Compound #33: Ethyl acetate





Original Peak Response = 2911 Manual Peak Response = 2911 M1

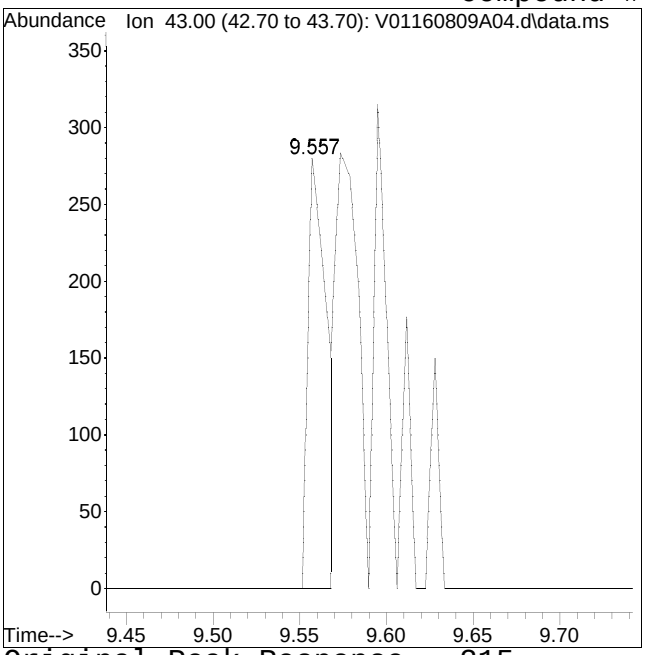
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

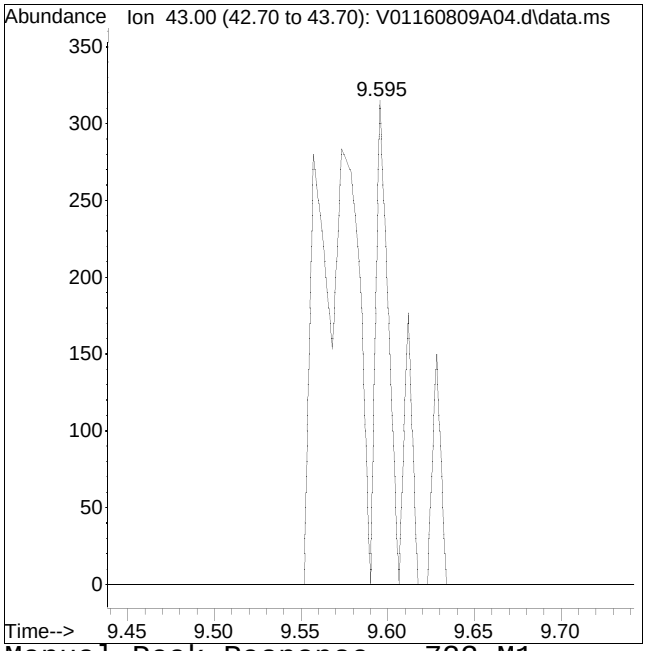
Data Path : I:\VOLATILES\VOA101\2016\1
Data File : V01160809A04.d
Date Inj'd : 8/9/2016 15:40
Sample : ISTDL1

Method : V101_160809_8260.m
Operator : VOA101:MS
Instrument : VOA 101
Quant Date : 8/9/2016 4:03 pm

Compound #72: 2-Hexanone



Original Peak Response = 215



Manual Peak Response = 723 M1

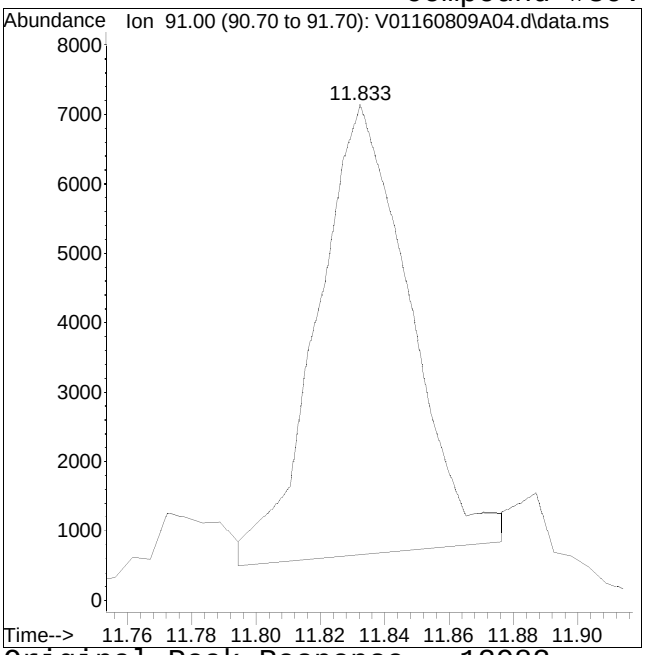
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

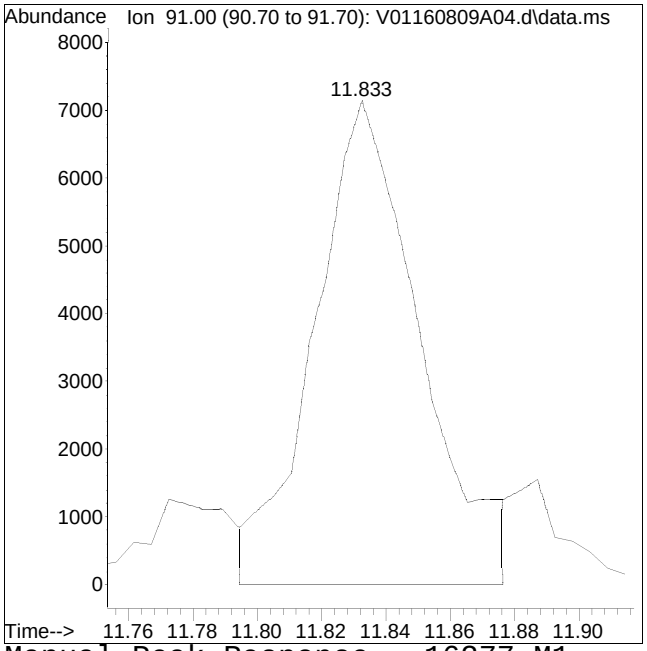
Data Path : I:\VOLATILES\VOA101\2016\1Q
Data File : V01160809A04.d
Date Inj'd : 8/9/2016 15:40
Sample : ISTDL1

Method : V101_160809_8260.m
Operator : VOA101:MS
Instrument : VOA 101
Quant Date : 8/9/2016 4:03 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 12982



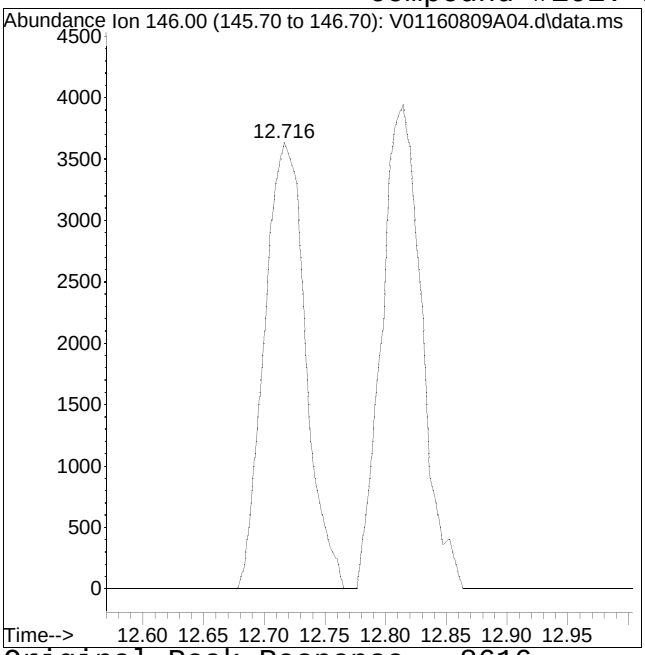
Manual Peak Response = 16277 M1

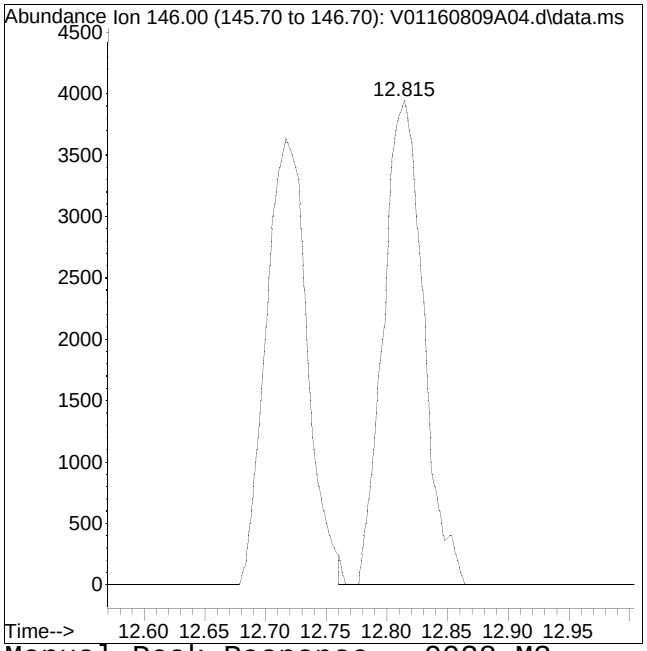
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1QMethod : V101_160809_8260.m
Data File : V01160809A04.d Operator : VOA101:MS
Date Inj'd : 8/9/2016 15:40 Instrument : VOA 101
Sample : ISTDL1 Quant Date : 8/9/2016 4:03 pm

Compound #101: 1,4-Dichlorobenzene





Original Peak Response = 8616 Manual Peak Response = 9038 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A06.d
Acq On : 9 Aug 2016 16:37
Operator : VOA101:MS
Sample : ISTDL2
Misc : WG921955,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 09 20:06:55 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 16:06:34 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.076	96	517808	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.912	117	358793	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	12.793	152	157669	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	5.219	113	131186	9.992	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.92%			
43) 1,2-Dichloroethane-d4	5.776	65	146953	9.193	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.93%			
60) Toluene-d8	7.899	98	491382	9.893	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.93%			
83) 4-Bromofluorobenzene	11.483	95	166403	10.025	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.25%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.586	85	21367	2.394	ug/L	99
3) Chloromethane	1.771	50	30661	1.974	ug/L	99
4) Vinyl chloride	1.847	62	31782	2.675	ug/L	95
5) Bromomethane	2.148	94	14847	No Calib		
6) Chloroethane	2.257	64	22007	2.196	ug/L	93
7) Trichlorofluoromethane	2.399	101	32204	2.336	ug/L	98
8) Ethyl ether	2.699	74	9766	2.311	ug/L	87
10) 1,1-Dichloroethene	2.890	96	19160	2.231	ug/L	98
11) Carbon disulfide	2.917	76	65322	1.839	ug/L	99
12) Freon-113	2.928	101	17027	2.296	ug/L #	50
13) Iodomethane	3.031	142	7958	2.186	ug/L	98
14) Acrolein	3.228	56	1196	12.354	ug/L #	81
15) Methylene chloride	3.452	84	22362	1.865	ug/L	98
17) Acetone	3.501	43	3300	0.832	ug/L #	83
18) trans-1,2-Dichloroethene	3.610	96	21552	2.318	ug/L	99
19) Methyl acetate	3.626	43	7216	1.999	ug/L	97
20) Methyl tert-butyl ether	3.703	73	42634	2.050	ug/L	96
21) tert-Butyl alcohol	3.795	59	4282	7.514	ug/L #	89
22) Diisopropyl ether	4.068	45	76954	2.228	ug/L	98
23) 1,1-Dichloroethane	4.205	63	41540	2.271	ug/L	99
24) Halothane	4.265	117	13608	2.304	ug/L	96
25) Acrylonitrile	4.270	53	2757	6.002	ug/L	93
26) Ethyl tert-butyl ether	4.434	59	59985	2.101	ug/L	92
27) Vinyl acetate	4.461	43	31994	2.297	ug/L	100
28) cis-1,2-Dichloroethene	4.750	96	23062	2.269	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A06.d
Acq On : 9 Aug 2016 16:37
Operator : VOA101:MS
Sample : ISTDL2
Misc : WG921955,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 09 20:06:55 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 16:06:34 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2,2-Dichloropropane	4.854	77	33967	2.348	ug/L		94
30) Bromochloromethane	4.958	128	8410	2.386	ug/L		99
31) Cyclohexane	4.958	56	38515	2.392	ug/L		97
32) Chloroform	5.029	83	38233	2.186	ug/L		99
33) Ethyl acetate	5.159	43	10581M1	1.915	ug/L		
34) Carbon tetrachloride	5.170	117	28520	2.321	ug/L		97
35) Tetrahydrofuran	5.192	42	4224	1.706	ug/L		100
37) 1,1,1-Trichloroethane	5.247	97	35986	2.280	ug/L		98
39) 2-Butanone	5.350	43	5131M1	1.272	ug/L		
40) 1,1-Dichloropropene	5.372	75	28619	2.393	ug/L		94
41) Benzene	5.634	78	86185	2.216	ug/L		97
42) tert-Amyl methyl ether	5.743	73	44888	2.154	ug/L		94
44) 1,2-Dichloroethane	5.852	62	25308	1.948	ug/L		97
47) Methyl cyclohexane	6.256	83	31327	2.111	ug/L		97
48) Trichloroethene	6.273	95	22220	2.313	ug/L		94
50) Dibromomethane	6.753	93	9042	2.059	ug/L		96
51) 1,2-Dichloropropane	6.856	63	20398	2.176	ug/L		96
53) 2-Chloroethyl vinyl ether	7.604	63	6785	2.712	ug/L		93
54) Bromodichloromethane	6.933	83	25268	2.285	ug/L		99
57) 1,4-Dioxane	7.162	88	17108	490.745	ug/L		96
58) cis-1,3-Dichloropropene	7.680	75	28040	2.106	ug/L		96
61) Toluene	7.964	92	51318	2.095	ug/L		95
62) 4-Methyl-2-pentanone	8.444	58	2893	4.150	ug/L	#	96
63) Tetrachloroethene	8.450	166	19796	2.217	ug/L		97
65) trans-1,3-Dichloropropene	8.493	75	21354	2.169	ug/L		95
67) Ethyl methacrylate	8.706	69	13616M1	2.661	ug/L		
68) 1,1,2-Trichloroethane	8.695	83	9988	2.143	ug/L		96
69) Chlorodibromomethane	8.919	129	13625	2.393	ug/L		97
70) 1,3-Dichloropropane	9.050	76	21926	2.124	ug/L		99
71) 1,2-Dibromoethane	9.230	107	11254	2.321	ug/L		98
72) 2-Hexanone	9.546	43	4139M1	2.965	ug/L		
73) Chlorobenzene	9.934	112	53434	2.098	ug/L		92
74) Ethylbenzene	9.972	91	100838	2.229	ug/L		97
75) 1,1,1,2-Tetrachloroethane	10.021	131	17648	2.344	ug/L		95
76) p/m Xylene	10.174	106	71094	4.396	ug/L		89
77) o Xylene	10.736	106	68030	4.546	ug/L		90
78) Styrene	10.807	104	105309	4.556	ug/L		95
80) Bromoform	10.829	173	6128	2.095	ug/L		93
82) Isopropylbenzene	11.134	105	91857	2.227	ug/L		100
84) Bromobenzene	11.614	156	18583	2.198	ug/L		99
85) n-Propylbenzene	11.647	91	112272	2.274	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A06.d
Acq On : 9 Aug 2016 16:37
Operator : VOA101:MS
Sample : ISTDL2
Misc : WG921955,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 09 20:06:55 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 16:06:34 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
86) 1,4-Dichlorobutane	11.669	55	22268	2.286	ug/L		98
87) 1,1,2,2-Tetrachloroethane	11.745	83	11113	2.248	ug/L		97
88) 4-Ethyltoluene	11.778	105	87877	2.295	ug/L		99
89) 2-Chlorotoluene	11.833	91	68108M1	2.200	ug/L		
90) 1,3,5-Trimethylbenzene	11.882	105	73217	2.277	ug/L	#	66
91) 1,2,3-Trichloropropane	11.893	75	10358M1	2.242	ug/L		
92) trans-1,4-Dichloro-2-b...	11.953	53	3174	4.689	ug/L	#	77
93) 4-Chlorotoluene	12.029	91	63024	2.149	ug/L	#	100
94) tert-Butylbenzene	12.253	119	60977	2.236	ug/L		95
97) 1,2,4-Trimethylbenzene	12.340	105	69520	2.260	ug/L		98
98) sec-Butylbenzene	12.460	105	88686	2.218	ug/L		100
99) p-Isopropyltoluene	12.624	119	71304	2.345	ug/L		98
100) 1,3-Dichlorobenzene	12.711	146	34374	2.098	ug/L		98
101) 1,4-Dichlorobenzene	12.809	146	35318	2.055	ug/L		96
102) p-Diethylbenzene	13.033	119	40949	2.467	ug/L		99
103) n-Butylbenzene	13.098	91	64525	2.352	ug/L		97
104) 1,2-Dichlorobenzene	13.289	146	28595	2.060	ug/L		98
105) 1,2,4,5-Tetramethylben...	13.911	119	50752	2.242	ug/L		96
106) 1,2-Dibromo-3-chloropr...	14.152	155	918	4.642	ug/L		90
107) 1,3,5-Trichlorobenzene	14.179	180	17173	2.197	ug/L		96
108) Hexachlorobutadiene	14.806	225	5755	1.908	ug/L		96
109) 1,2,4-Trichlorobenzene	14.850	180	11129	2.273	ug/L		98
110) Naphthalene	15.188	128	16305	1.910	ug/L		100
111) 1,2,3-Trichlorobenzene	15.385	180	6766	2.089	ug/L		95

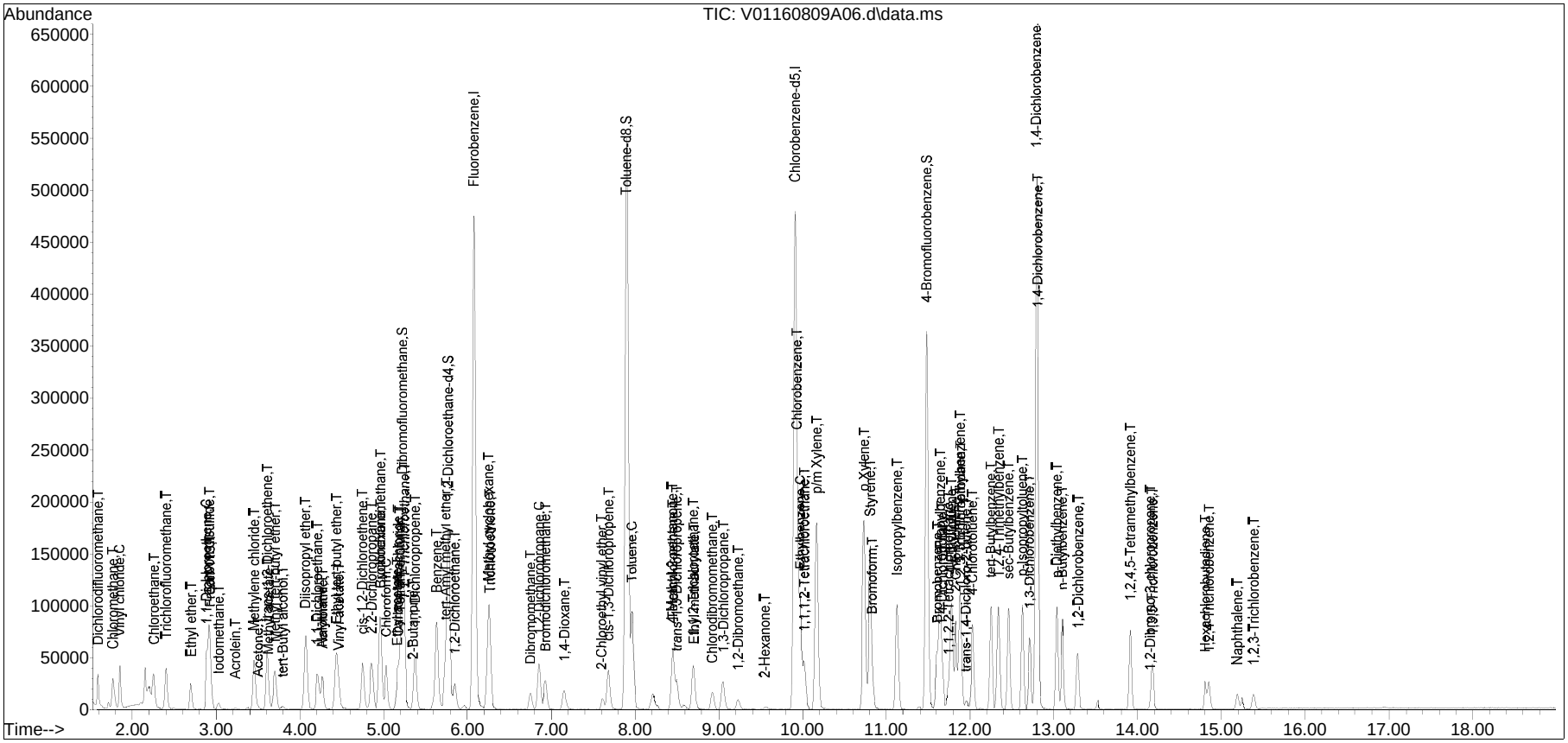
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A06.d
Acq On : 9 Aug 2016 16:37
Operator : VOA101:MS
Sample : ISTDL2
Misc : WG921955,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 09 20:06:55 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 16:06:34 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

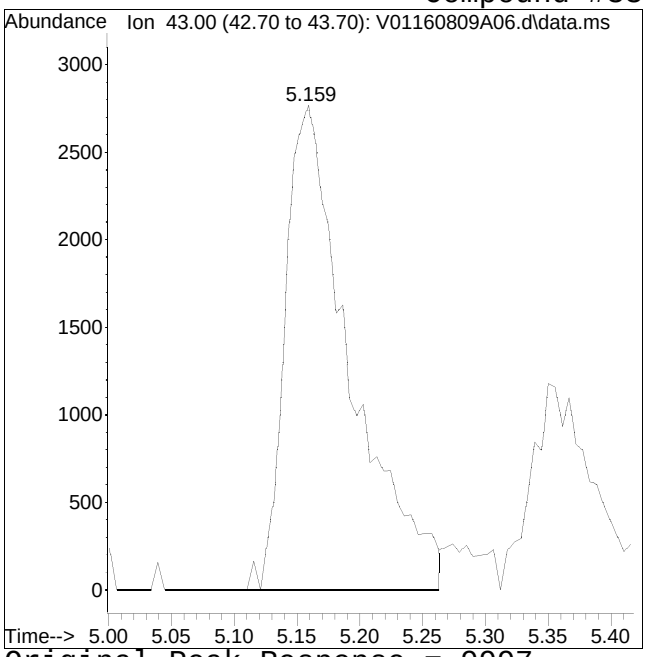


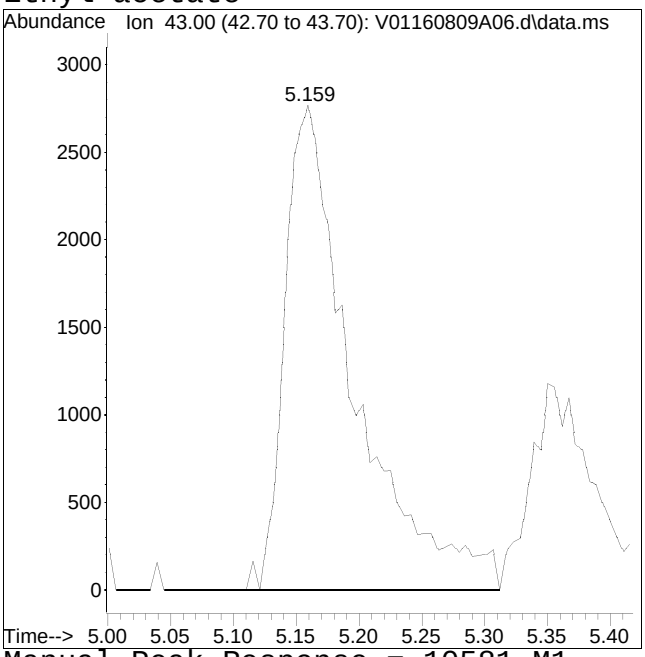
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1Q
Data File : V01160809A06.d
Date Inj'd : 8/9/2016 16:37
Sample : ISTDL2

Method : V101_160809_8260.m
Operator : VOA101:MS
Instrument : VOA 101
Quant Date : 8/9/2016 7:50 pm

Compound #33: Ethyl acetate





Original Peak Response = 9997 Manual Peak Response = 10581 M1

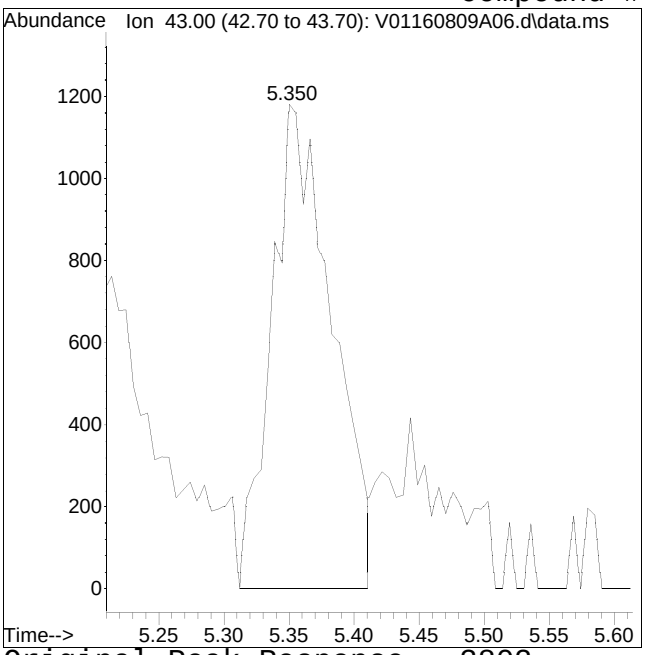
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

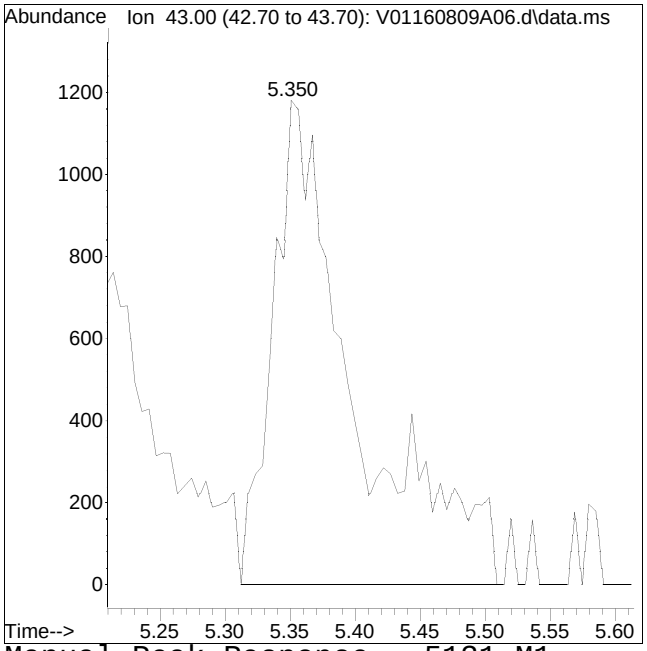
Data Path : I:\VOLATILES\VOA101\2016\1
Data File : V01160809A06.d
Date Inj'd : 8/9/2016 16:37
Sample : ISTDL2

Method : V101_160809_8260.m
Operator : VOA101:MS
Instrument : VOA 101
Quant Date : 8/9/2016 7:50 pm

Compound #39: 2-Butanone



Original Peak Response = 3802



Manual Peak Response = 5131 M1

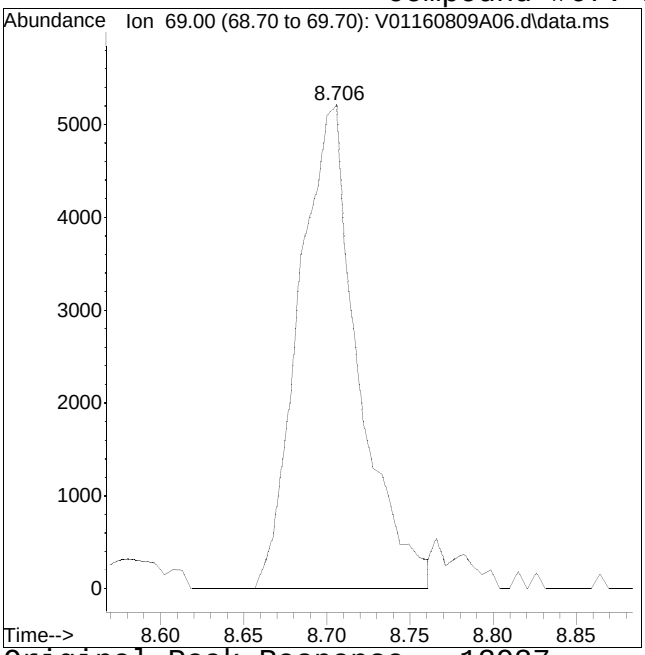
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

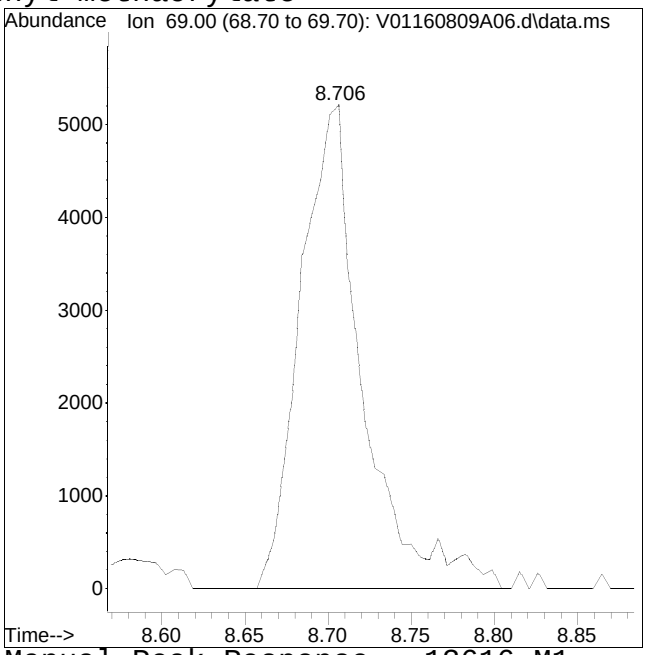
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1Q
Data File : V01160809A06.d
Date Inj'd : 8/9/2016 16:37
Sample : ISTDL2

Method : V101_160809_8260.m
Operator : VOA101:MS
Instrument : VOA 101
Quant Date : 8/9/2016 7:50 pm

Compound #67: Ethyl methacrylate





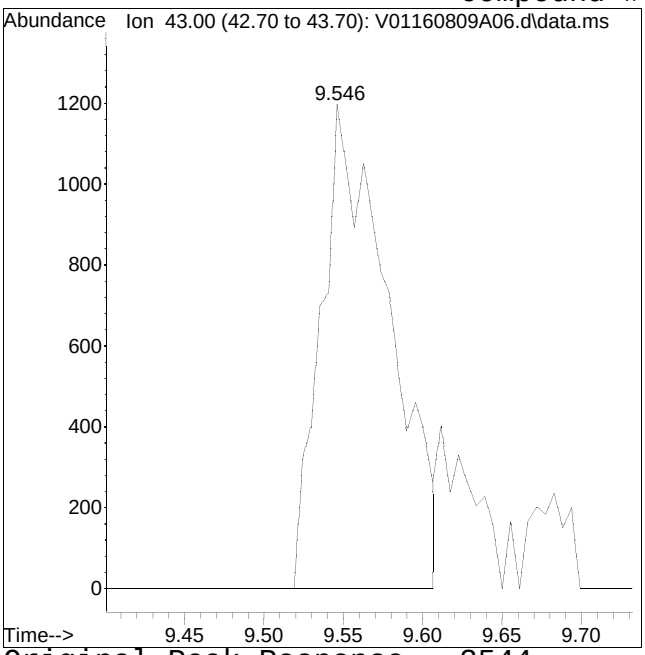
Original Peak Response = 12937 Manual Peak Response = 13616 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

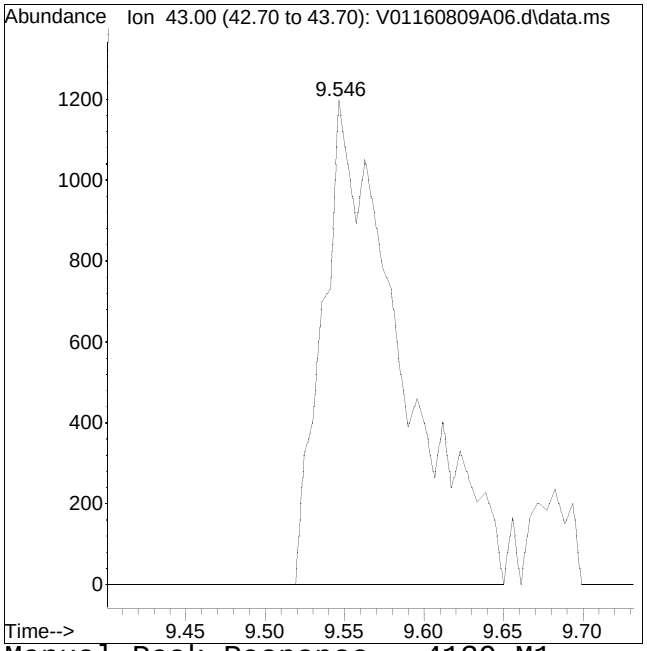
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1
Data File : V01160809A06.d
Date Inj'd : 8/9/2016 16:37
Sample : ISTDL2

Method : V101_160809_8260.m
Operator : VOA101:MS
Instrument : VOA 101
Quant Date : 8/9/2016 7:50 pm

Compound #72: 2-Hexanone





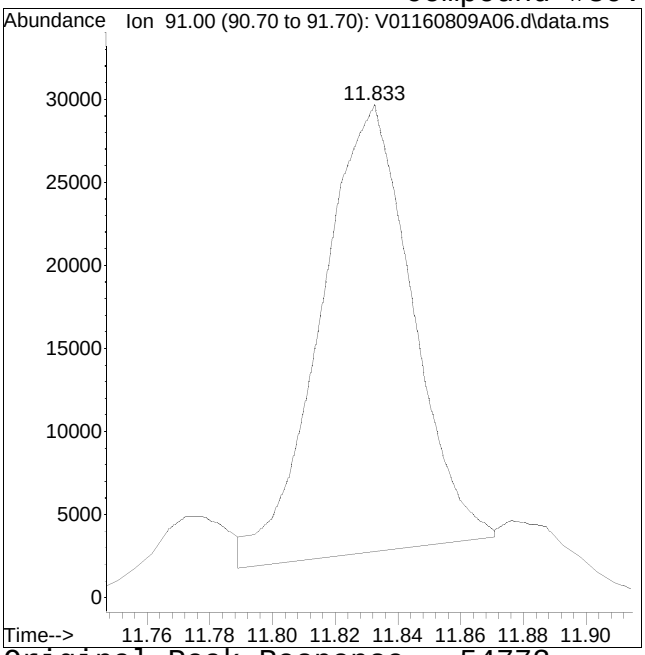
Original Peak Response = 3544 Manual Peak Response = 4139 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

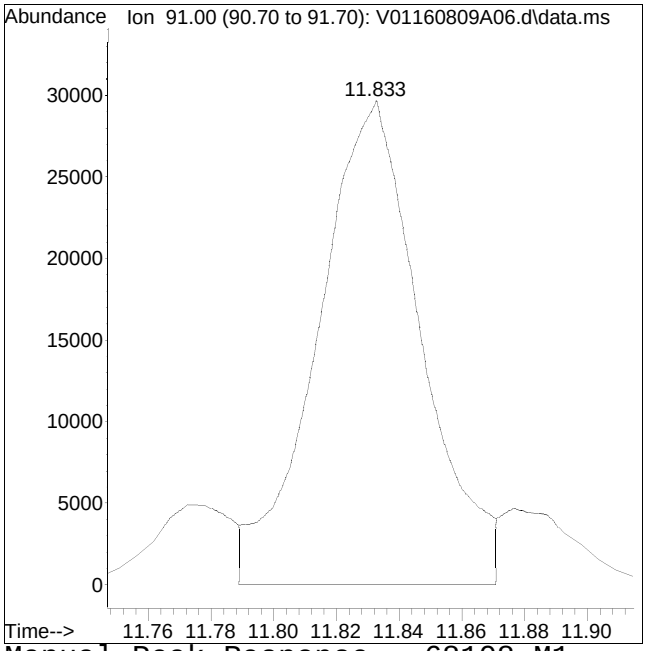
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1QMethod : V101_160809_8260.m
Data File : V01160809A06.d Operator : VOA101:MS
Date Inj'd : 8/9/2016 16:37 Instrument : VOA 101
Sample : ISTDL2 Quant Date : 8/9/2016 7:50 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 54773



Manual Peak Response = 68108 M1

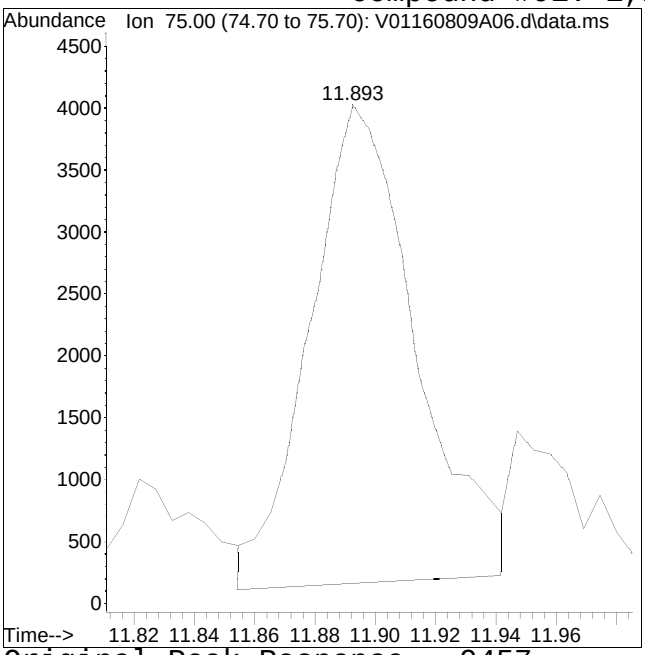
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

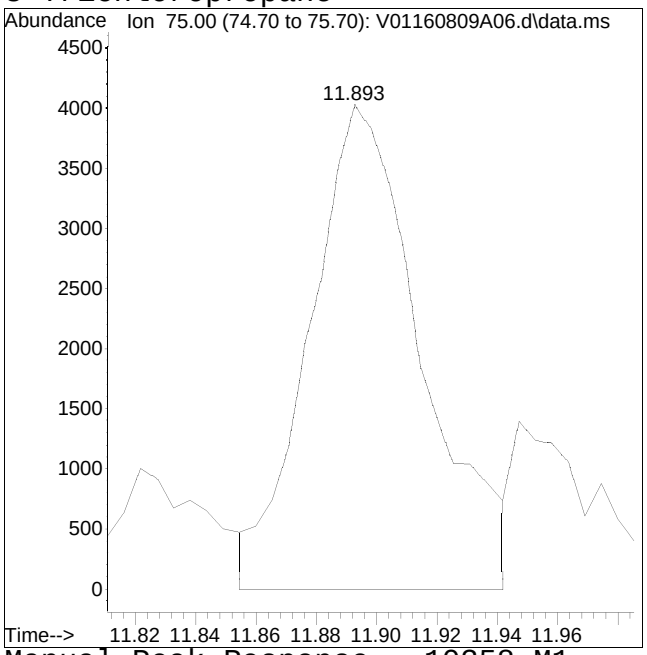
Data Path : I:\VOLATILES\VOA101\2016\1Q
Data File : V01160809A06.d
Date Inj'd : 8/9/2016 16:37
Sample : ISTDL2

Method : V101_160809_8260.m
Operator : VOA101:MS
Instrument : VOA 101
Quant Date : 8/9/2016 7:50 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 9457



Manual Peak Response = 10358 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A07.d
Acq On : 9 Aug 2016 17:06
Operator : VOA101:MS
Sample : ISTDL3
Misc : WG921955,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 09 20:06:14 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 16:06:34 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.082	96	521501	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.906	117	359292	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	12.793	152	165709	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	5.219	113	132315	10.009	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.09%			
43) 1,2-Dichloroethane-d4	5.781	65	148753	9.495	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.95%			
60) Toluene-d8	7.899	98	494093	9.969	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.69%			
83) 4-Bromofluorobenzene	11.483	95	168511	9.652	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.52%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.591	85	128963	13.060	ug/L	100
3) Chloromethane	1.771	50	160312	10.316	ug/L	99
4) Vinyl chloride	1.847	62	179939	13.518	ug/L	95
5) Bromomethane	2.148	94	77303	No Calib		
6) Chloroethane	2.257	64	119078	11.247	ug/L	99
7) Trichlorofluoromethane	2.399	101	196754	13.072	ug/L	99
8) Ethyl ether	2.699	74	51477	11.223	ug/L	89
10) 1,1-Dichloroethene	2.890	96	111325	12.167	ug/L	98
11) Carbon disulfide	2.922	76	364010	10.601	ug/L	100
12) Freon-113	2.928	101	104797	13.064	ug/L #	66
13) Iodomethane	3.031	142	83879	20.410	ug/L	98
14) Acrolein	3.217	56	8088	10.934	ug/L	99
15) Methylene chloride	3.452	84	112449	9.636	ug/L	98
17) Acetone	3.501	43	15309M1	15.551	ug/L	
18) trans-1,2-Dichloroethene	3.610	96	117986	11.673	ug/L	99
19) Methyl acetate	3.615	43	36851M1	10.138	ug/L	
20) Methyl tert-butyl ether	3.703	73	232848	10.980	ug/L	94
21) tert-Butyl alcohol	3.801	59	10788	26.876	ug/L #	93
22) Diisopropyl ether	4.074	45	417596	11.356	ug/L	99
23) 1,1-Dichloroethane	4.210	63	223014	11.339	ug/L	99
24) Halothane	4.265	117	78359	12.242	ug/L	99
25) Acrylonitrile	4.265	53	19537	11.877	ug/L	95
26) Ethyl tert-butyl ether	4.434	59	326768	11.085	ug/L	99
27) Vinyl acetate	4.456	43	207993	13.801	ug/L	98
28) cis-1,2-Dichloroethene	4.750	96	122596	11.222	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A07.d
Acq On : 9 Aug 2016 17:06
Operator : VOA101:MS
Sample : ISTDL3
Misc : WG921955,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 09 20:06:14 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 16:06:34 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 2,2-Dichloropropane	4.854	77	184004	11.618	ug/L	94
30) Bromochloromethane	4.958	128	46271	11.887	ug/L	98
31) Cyclohexane	4.958	56	234384	13.162	ug/L	100
32) Chloroform	5.029	83	206876	11.223	ug/L	98
33) Ethyl acetate	5.143	43	59818	11.365	ug/L	97
34) Carbon tetrachloride	5.170	117	168456	12.601	ug/L	99
35) Tetrahydrofuran	5.187	42	20511	10.108	ug/L	95
37) 1,1,1-Trichloroethane	5.241	97	199794	11.746	ug/L	100
39) 2-Butanone	5.345	43	23825M1	7.169	ug/L	
40) 1,1-Dichloropropene	5.372	75	162927	12.316	ug/L	98
41) Benzene	5.634	78	463094	11.216	ug/L	98
42) tert-Amyl methyl ether	5.743	73	248187	11.388	ug/L	93
44) 1,2-Dichloroethane	5.852	62	139955	10.837	ug/L	99
47) Methyl cyclohexane	6.251	83	189427	12.333	ug/L	97
48) Trichloroethene	6.267	95	122254	11.720	ug/L	95
50) Dibromomethane	6.742	93	50738	11.306	ug/L	99
51) 1,2-Dichloropropane	6.856	63	112077	11.371	ug/L	95
53) 2-Chloroethyl vinyl ether	7.609	63	42478	11.593	ug/L	90
54) Bromodichloromethane	6.933	83	143335	12.014	ug/L	100
57) 1,4-Dioxane	7.156	88	18987	485.695	ug/L	94
58) cis-1,3-Dichloropropene	7.680	75	162461	11.804	ug/L	94
61) Toluene	7.964	92	288718	11.498	ug/L	98
62) 4-Methyl-2-pentanone	8.439	58	18654	11.276	ug/L	86
63) Tetrachloroethene	8.450	166	111211	11.798	ug/L	97
65) trans-1,3-Dichloropropene	8.488	75	127838	12.441	ug/L	97
67) Ethyl methacrylate	8.690	69	84686	14.184	ug/L	94
68) 1,1,2-Trichloroethane	8.695	83	57501	11.894	ug/L	98
69) Chlorodibromomethane	8.919	129	80839	12.909	ug/L	99
70) 1,3-Dichloropropane	9.039	76	121902	11.437	ug/L	99
71) 1,2-Dibromoethane	9.230	107	61329	11.693	ug/L	100
72) 2-Hexanone	9.541	43	30342	17.486	ug/L	96
73) Chlorobenzene	9.934	112	296772	11.359	ug/L	98
74) Ethylbenzene	9.972	91	563241	11.759	ug/L	97
75) 1,1,1,2-Tetrachloroethane	10.027	131	97451	11.902	ug/L	99
76) p/m Xylene	10.168	106	404153	23.779	ug/L	91
77) o Xylene	10.736	106	383729	23.971	ug/L	89
78) Styrene	10.807	104	635932	25.688	ug/L	96
80) Bromoform	10.834	173	39358	12.506	ug/L	96
82) Isopropylbenzene	11.134	105	524396	11.448	ug/L	100
84) Bromobenzene	11.609	156	101825	10.918	ug/L	99
85) n-Propylbenzene	11.642	91	636572	11.482	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A07.d
Acq On : 9 Aug 2016 17:06
Operator : VOA101:MS
Sample : ISTDL3
Misc : WG921955,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 09 20:06:14 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 16:06:34 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
86)	1,4-Dichlorobutane	11.669	55	123405	11.249	ug/L		98
87)	1,1,2,2-Tetrachloroethane	11.740	83	63558	11.518	ug/L		98
88)	4-Ethyltoluene	11.778	105	507254	11.739	ug/L		100
89)	2-Chlorotoluene	11.827	91	382974M1	11.211	ug/L		
90)	1,3,5-Trimethylbenzene	11.882	105	411258	11.382	ug/L	#	65
91)	1,2,3-Trichloropropane	11.893	75	56215M1	10.918	ug/L		
92)	trans-1,4-Dichloro-2-b...	11.953	53	21110M1	10.946	ug/L		
93)	4-Chlorotoluene	12.029	91	366928	11.477	ug/L	#	100
94)	tert-Butylbenzene	12.253	119	349451	11.513	ug/L		96
97)	1,2,4-Trimethylbenzene	12.340	105	404969	11.761	ug/L		99
98)	sec-Butylbenzene	12.460	105	514074	11.601	ug/L		99
99)	p-Isopropyltoluene	12.624	119	422347	12.167	ug/L		98
100)	1,3-Dichlorobenzene	12.711	146	198281	11.239	ug/L		99
101)	1,4-Dichlorobenzene	12.815	146	195704	10.688	ug/L		100
102)	p-Diethylbenzene	13.033	119	237125	12.171	ug/L		97
103)	n-Butylbenzene	13.098	91	375804	11.980	ug/L		98
104)	1,2-Dichlorobenzene	13.284	146	162988	11.007	ug/L		99
105)	1,2,4,5-Tetramethylben...	13.911	119	302689	11.996	ug/L		99
106)	1,2-Dibromo-3-chloropr...	14.152	155	5565	16.124	ug/L		94
107)	1,3,5-Trichlorobenzene	14.179	180	96886	11.241	ug/L		98
108)	Hexachlorobutadiene	14.806	225	30409	9.819	ug/L		97
109)	1,2,4-Trichlorobenzene	14.850	180	62396	11.350	ug/L		100
110)	Naphthalene	15.183	128	91015	10.378	ug/L		100
111)	1,2,3-Trichlorobenzene	15.379	180	36000	10.346	ug/L		98

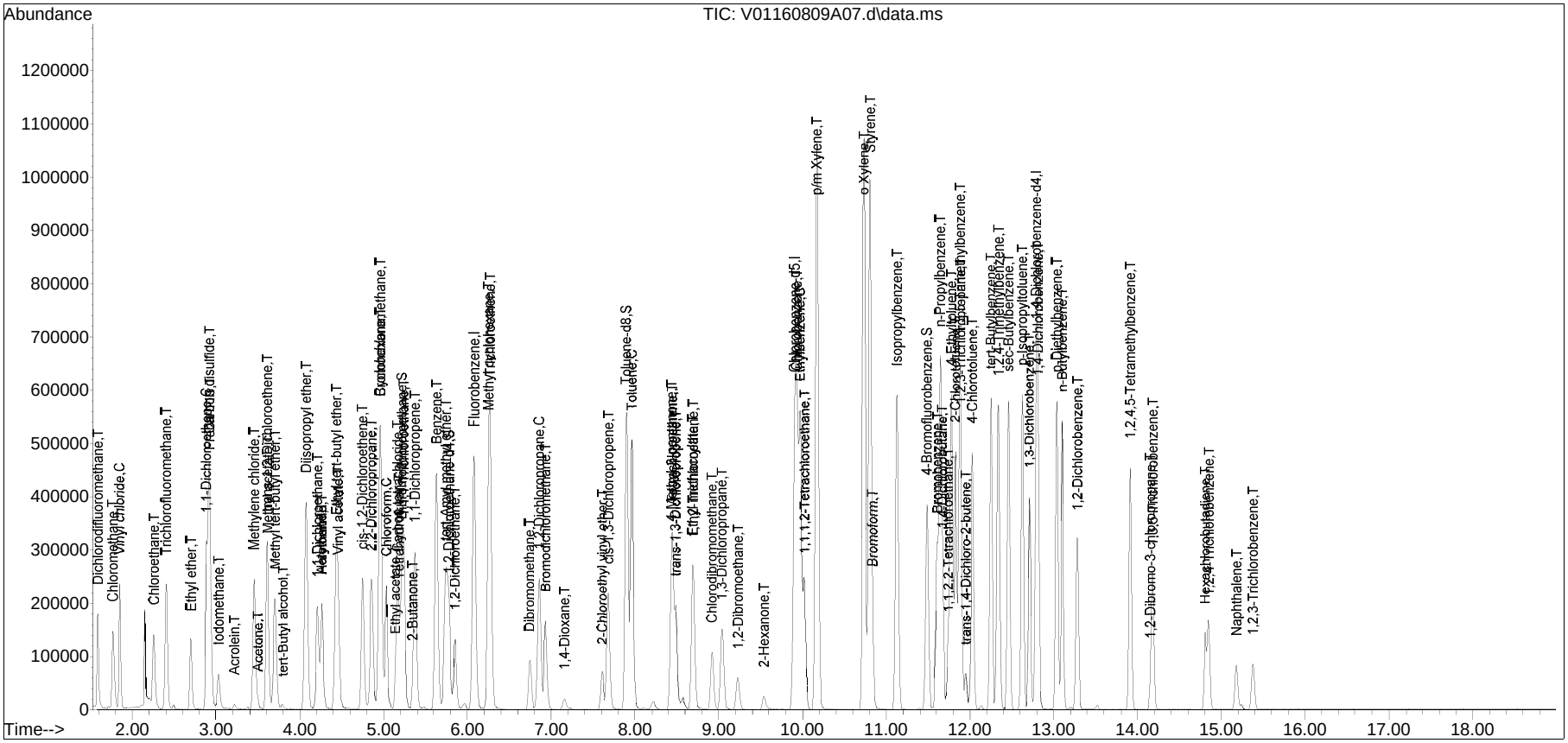
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A07.d
Acq On : 9 Aug 2016 17:06
Operator : VOA101:MS
Sample : ISTDL3
Misc : WG921955,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 09 20:06:14 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 16:06:34 2016
Response via : Initial Calibration

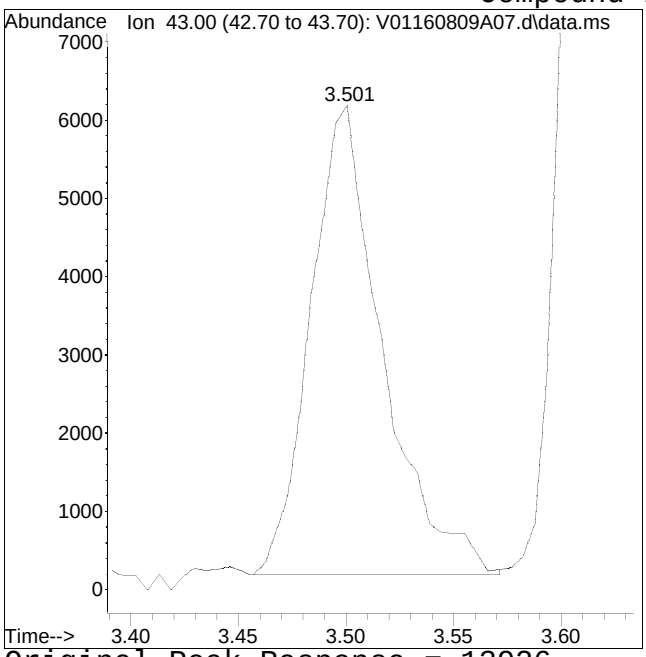
Sub List : 8260-Curve - Megamix plus Diox



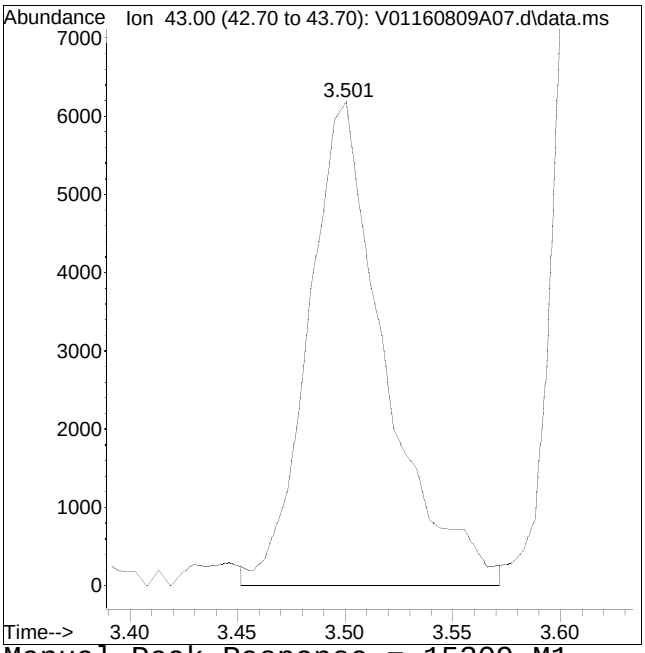
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1QMethod : V101_160809_8260.m
Data File : V01160809A07.d Operator : VOA101:MS
Date Inj'd : 8/9/2016 17:06 Instrument : VOA 101
Sample : ISTDL3 Quant Date : 8/9/2016 7:53 pm

Compound #17: Acetone



Original Peak Response = 13926



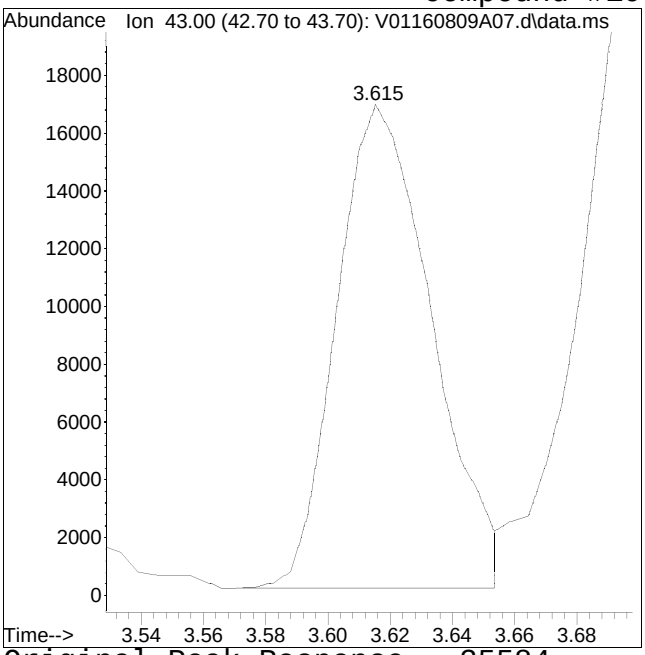
Manual Peak Response = 15309 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

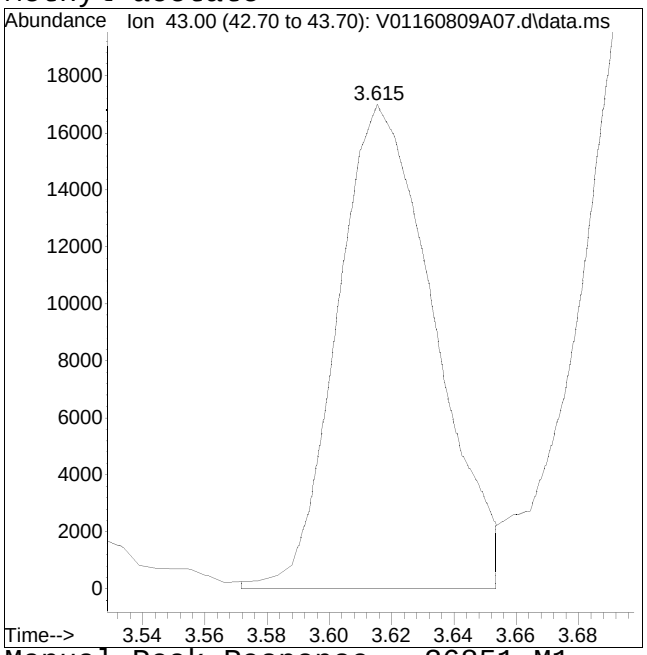
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1QMethod : V101_160809_8260.m
Data File : V01160809A07.d Operator : VOA101:MS
Date Inj'd : 8/9/2016 17:06 Instrument : VOA 101
Sample : ISTDL3 Quant Date : 8/9/2016 7:53 pm

Compound #19: Methyl acetate



Original Peak Response = 35584



Manual Peak Response = 36851 M1

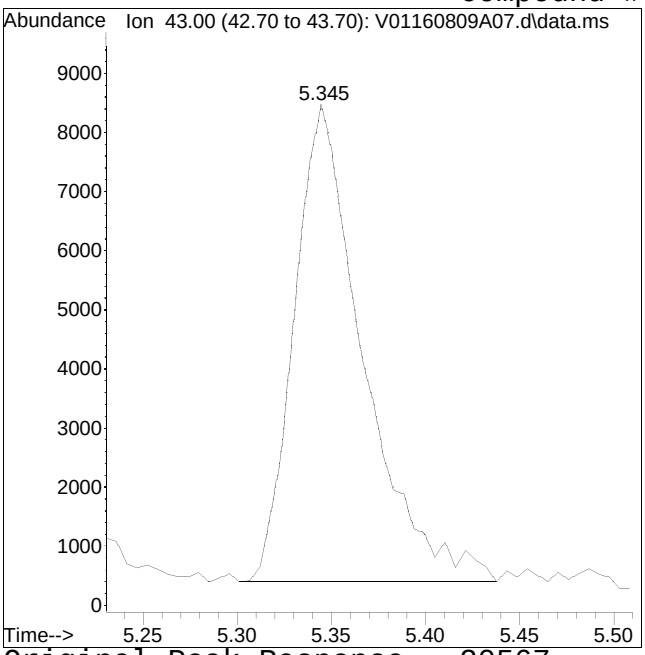
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

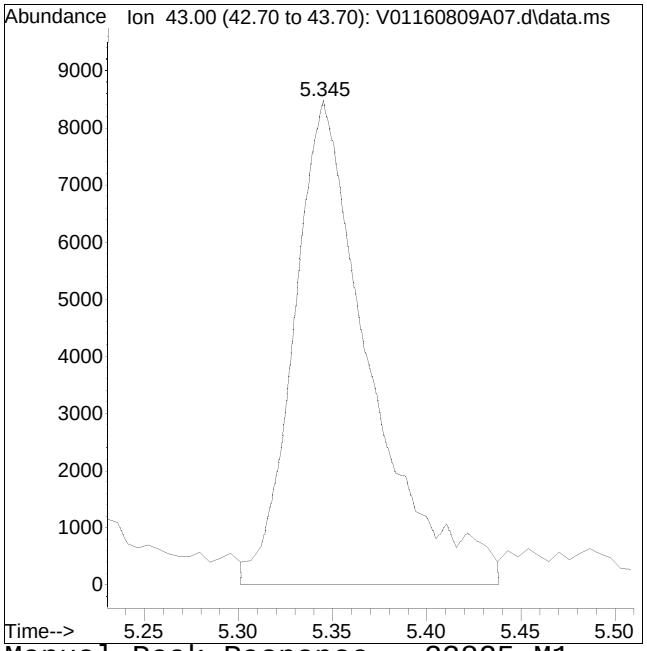
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1Q
Data File : V01160809A07.d
Date Inj'd : 8/9/2016 17:06
Sample : ISTDL3

Method : V101_160809_8260.m
Operator : VOA101:MS
Instrument : VOA 101
Quant Date : 8/9/2016 7:53 pm

Compound #39: 2-Butanone





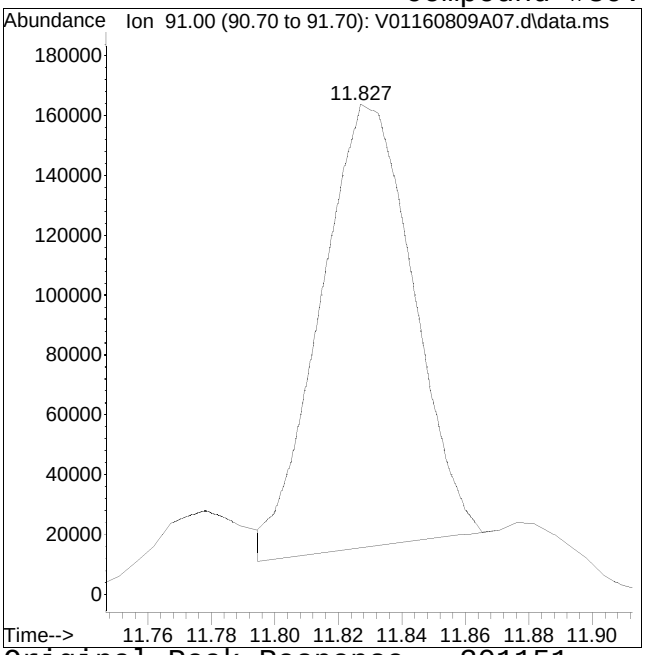
Original Peak Response = 20567 Manual Peak Response = 23825 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

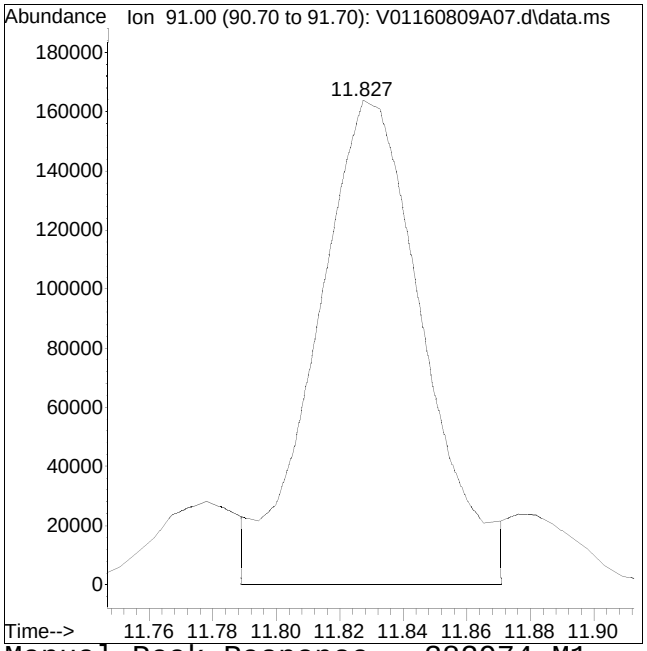
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1QMethod : V101_160809_8260.m
Data File : V01160809A07.d Operator : VOA101:MS
Date Inj'd : 8/9/2016 17:06 Instrument : VOA 101
Sample : ISTDL3 Quant Date : 8/9/2016 7:53 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 301151



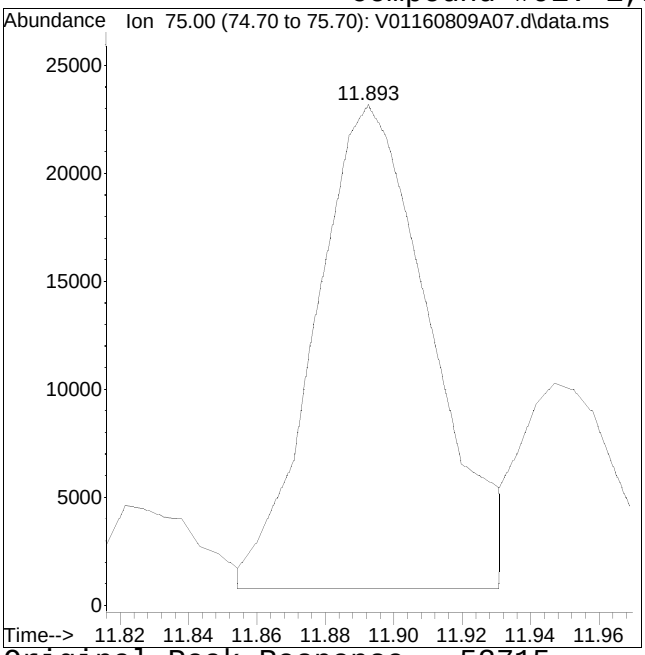
Manual Peak Response = 382974 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

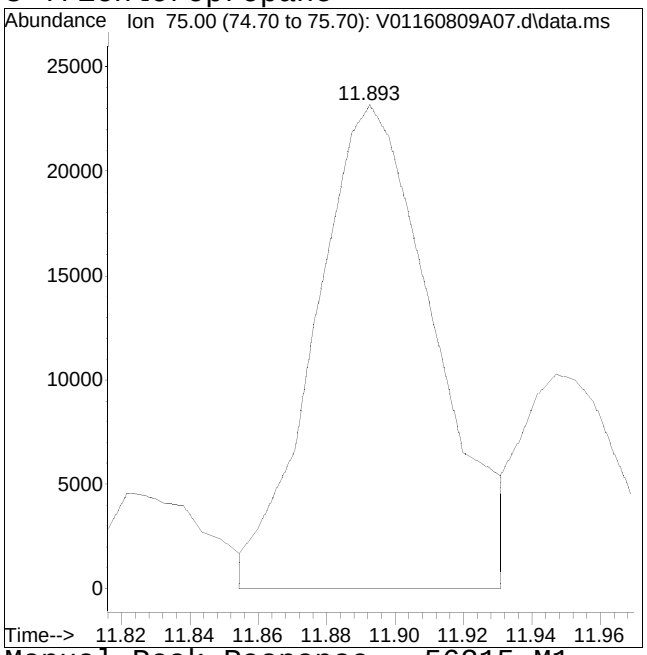
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1QMethod : V101_160809_8260.m
Data File : V01160809A07.d Operator : VOA101:MS
Date Inj'd : 8/9/2016 17:06 Instrument : VOA 101
Sample : ISTDL3 Quant Date : 8/9/2016 7:53 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 52715



Manual Peak Response = 56215 M1

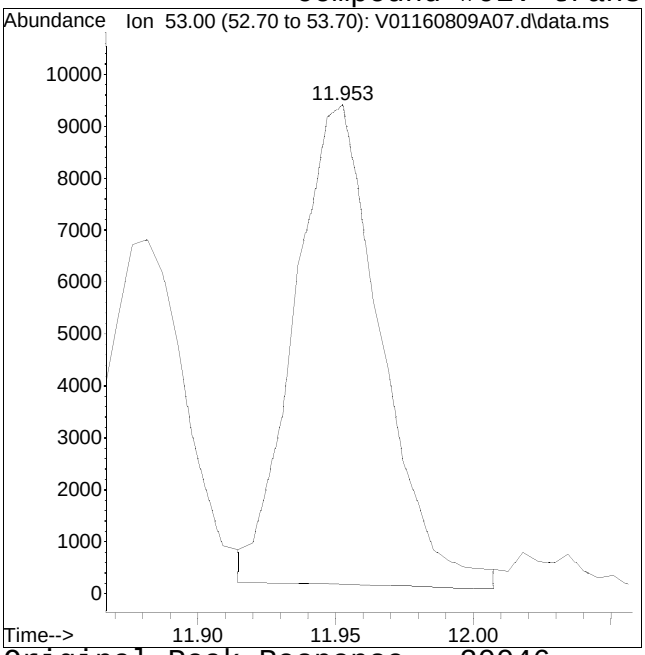
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

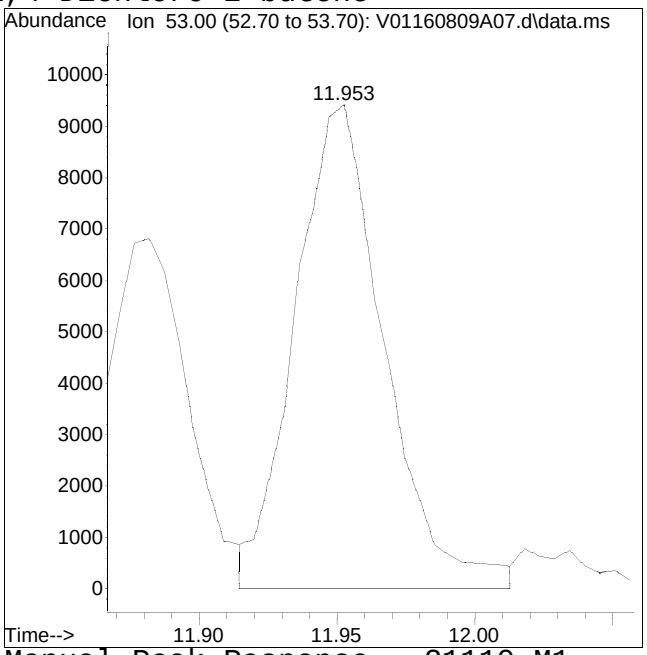
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1
Data File : V01160809A07.d
Date Inj'd : 8/9/2016 17:06
Sample : ISTDL3

Method : V101_160809_8260.m
Operator : VOA101:MS
Instrument : VOA 101
Quant Date : 8/9/2016 7:53 pm

Compound #92: trans-1,4-Dichloro-2-butene





Original Peak Response = 20046 Manual Peak Response = 21110 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A08.d
Acq On : 9 Aug 2016 17:34
Operator : VOA101:MS
Sample : ISTDL4
Misc : WG921955,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 09 19:58:06 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 16:06:34 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.082	96	552371	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.907	117	386329	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	12.793	152	187918	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	5.220	113	137942	9.849	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.49%			
43) 1,2-Dichloroethane-d4	5.776	65	155965	9.519	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.19%			
60) Toluene-d8	7.904	98	525925	9.876	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.76%			
83) 4-Bromofluorobenzene	11.483	95	181490	9.247	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.47%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.586	85	355677	30.859	ug/L	99
3) Chloromethane	1.771	50	451336	27.134	ug/L	98
4) Vinyl chloride	1.847	62	515892	33.633	ug/L	96
5) Bromomethane	2.148	94	266207	27.425	ug/L	100
6) Chloroethane	2.257	64	342700	29.340	ug/L	100
7) Trichlorofluoromethane	2.399	101	573639	32.640	ug/L	99
8) Ethyl ether	2.693	74	152669	30.194	ug/L	90
10) 1,1-Dichloroethene	2.890	96	321421	30.932	ug/L	97
11) Carbon disulfide	2.922	76	1077805	29.053	ug/L	100
12) Freon-113	2.928	101	303025	32.359	ug/L #	62
13) Iodomethane	3.032	142	336112	38.555	ug/L	97
14) Acrolein	3.217	56	26593	30.320	ug/L	99
15) Methylene chloride	3.452	84	337502	27.640	ug/L	97
17) Acetone	3.490	43	42388	28.447	ug/L	94
18) trans-1,2-Dichloroethene	3.610	96	353532	31.278	ug/L	99
19) Methyl acetate	3.610	43	114265	29.542	ug/L #	92
20) Methyl tert-butyl ether	3.703	73	703298	30.320	ug/L	94
21) tert-Butyl alcohol	3.790	59	35411	153.771	ug/L #	85
22) Diisopropyl ether	4.074	45	1273151	31.274	ug/L	99
23) 1,1-Dichloroethane	4.210	63	671095	30.838	ug/L	99
24) Halothane	4.265	117	233686	32.071	ug/L	99
25) Acrylonitrile	4.259	53	59711	28.491	ug/L	99
26) Ethyl tert-butyl ether	4.434	59	1004884	31.061	ug/L	100
27) Vinyl acetate	4.450	43	648190	36.040	ug/L	97
28) cis-1,2-Dichloroethene	4.750	96	374210	31.074	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A08.d
Acq On : 9 Aug 2016 17:34
Operator : VOA101:MS
Sample : ISTDL4
Misc : WG921955,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 09 19:58:06 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 16:06:34 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2,2-Dichloropropane	4.859	77	540580	30.575	ug/L		92
30) Bromochloromethane	4.952	128	143439	32.731	ug/L		99
31) Cyclohexane	4.952	56	694289	33.300	ug/L		100
32) Chloroform	5.029	83	628921	30.951	ug/L		98
33) Ethyl acetate	5.143	43	180809	28.749	ug/L	#	97
34) Carbon tetrachloride	5.170	117	514145	33.413	ug/L		98
35) Tetrahydrofuran	5.187	42	59139	27.443	ug/L	#	90
37) 1,1,1-Trichloroethane	5.241	97	602632	31.610	ug/L		99
39) 2-Butanone	5.345	43	67885M1	21.295	ug/L		
40) 1,1-Dichloropropene	5.372	75	486426	32.227	ug/L		97
41) Benzene	5.634	78	1407824	30.937	ug/L		98
42) tert-Amyl methyl ether	5.743	73	758738	31.415	ug/L		93
44) 1,2-Dichloroethane	5.852	62	420187	29.884	ug/L		99
47) Methyl cyclohexane	6.256	83	569812	32.498	ug/L		97
48) Trichloroethene	6.267	95	374204	32.032	ug/L		95
50) Dibromomethane	6.742	93	156184	31.487	ug/L		98
51) 1,2-Dichloropropane	6.851	63	338322	30.991	ug/L		96
53) 2-Chloroethyl vinyl ether	7.599	63	126028	27.945	ug/L		90
54) Bromodichloromethane	6.927	83	436714	32.384	ug/L		99
57) 1,4-Dioxane	7.157	88	24210	590.320	ug/L		95
58) cis-1,3-Dichloropropene	7.675	75	499969	32.350	ug/L		95
61) Toluene	7.964	92	874099	30.835	ug/L		97
62) 4-Methyl-2-pentanone	8.439	58	58850	28.989	ug/L		84
63) Tetrachloroethene	8.450	166	337130	31.381	ug/L		97
65) trans-1,3-Dichloropropene	8.493	75	401854	33.634	ug/L		94
67) Ethyl methacrylate	8.690	69	273153	37.340	ug/L		90
68) 1,1,2-Trichloroethane	8.690	83	175942	31.837	ug/L		97
69) Chlorodibromomethane	8.919	129	254220	34.418	ug/L		98
70) 1,3-Dichloropropane	9.044	76	367958	30.639	ug/L		100
71) 1,2-Dibromoethane	9.225	107	187839	31.528	ug/L		100
72) 2-Hexanone	9.536	43	95945	41.154	ug/L		93
73) Chlorobenzene	9.928	112	903807	30.778	ug/L		98
74) Ethylbenzene	9.967	91	1737905	31.875	ug/L		97
75) 1,1,1,2-Tetrachloroethane	10.021	131	304724	32.549	ug/L		98
76) p/m Xylene	10.168	106	1284604	66.127	ug/L		92
77) o Xylene	10.736	106	1232729	67.172	ug/L		90
78) Styrene	10.801	104	2089452	71.698	ug/L		96
80) Bromoform	10.834	173	137049	35.441	ug/L		100
82) Isopropylbenzene	11.134	105	1677158	30.800	ug/L		100
84) Bromobenzene	11.604	156	322196	29.559	ug/L		100
85) n-Propylbenzene	11.642	91	2039156	30.907	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A08.d
Acq On : 9 Aug 2016 17:34
Operator : VOA101:MS
Sample : ISTDL4
Misc : WG921955,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 09 19:58:06 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 16:06:34 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
86) 1,4-Dichlorobutane	11.669	55	389882	30.087	ug/L		98
87) 1,1,2,2-Tetrachloroethane	11.740	83	198316	30.165	ug/L		99
88) 4-Ethyltoluene	11.778	105	1610100	31.057	ug/L		100
89) 2-Chlorotoluene	11.827	91	1165628M1	28.922	ug/L		
90) 1,3,5-Trimethylbenzene	11.882	105	1322241	30.848	ug/L	#	65
91) 1,2,3-Trichloropropane	11.893	75	174574M1	29.011	ug/L		
92) trans-1,4-Dichloro-2-b...	11.947	53	68932M1	28.360	ug/L		
93) 4-Chlorotoluene	12.029	91	1165891	30.649	ug/L	#	100
94) tert-Butylbenzene	12.253	119	1095049	30.286	ug/L		97
97) 1,2,4-Trimethylbenzene	12.335	105	1292263	31.260	ug/L		99
98) sec-Butylbenzene	12.460	105	1626142	30.721	ug/L		99
99) p-Isopropyltoluene	12.624	119	1331936	31.557	ug/L		98
100) 1,3-Dichlorobenzene	12.711	146	636782	30.567	ug/L		100
101) 1,4-Dichlorobenzene	12.815	146	622502	29.306	ug/L		99
102) p-Diethylbenzene	13.033	119	764482	32.266	ug/L		98
103) n-Butylbenzene	13.099	91	1212051	31.962	ug/L		97
104) 1,2-Dichlorobenzene	13.284	146	513945	29.612	ug/L		100
105) 1,2,4,5-Tetramethylben...	13.912	119	959155	31.429	ug/L		99
106) 1,2-Dibromo-3-chloropr...	14.146	155	18368	38.974	ug/L		100
107) 1,3,5-Trichlorobenzene	14.179	180	304606	29.926	ug/L		98
108) Hexachlorobutadiene	14.806	225	93067	26.660	ug/L		100
109) 1,2,4-Trichlorobenzene	14.845	180	186392	28.611	ug/L		99
110) Naphthalene	15.183	128	279585	27.762	ug/L		100
111) 1,2,3-Trichlorobenzene	15.379	180	105606	26.458	ug/L		97

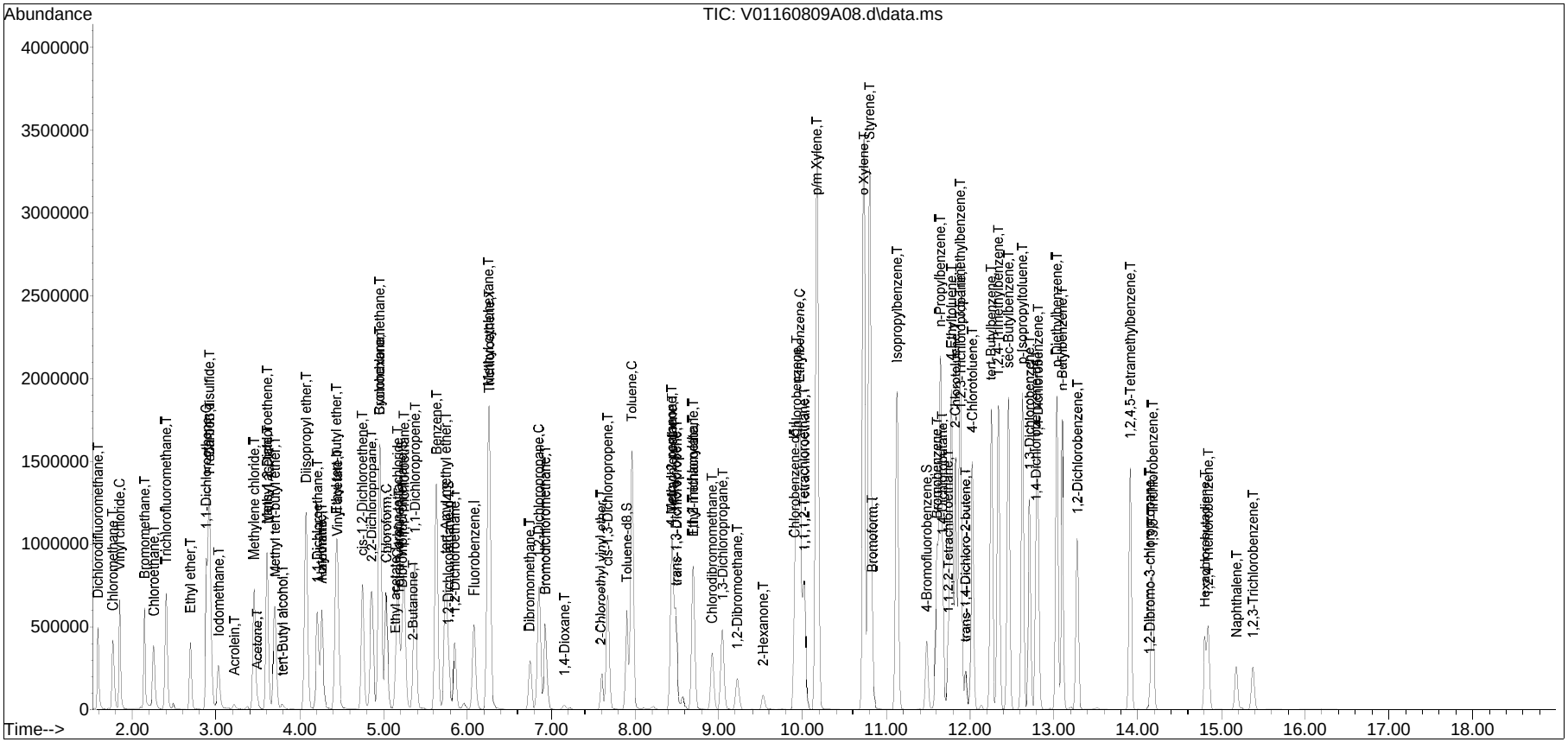
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A08.d
Acq On : 9 Aug 2016 17:34
Operator : VOA101:MS
Sample : ISTDL4
Misc : WG921955,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 09 19:58:06 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 16:06:34 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

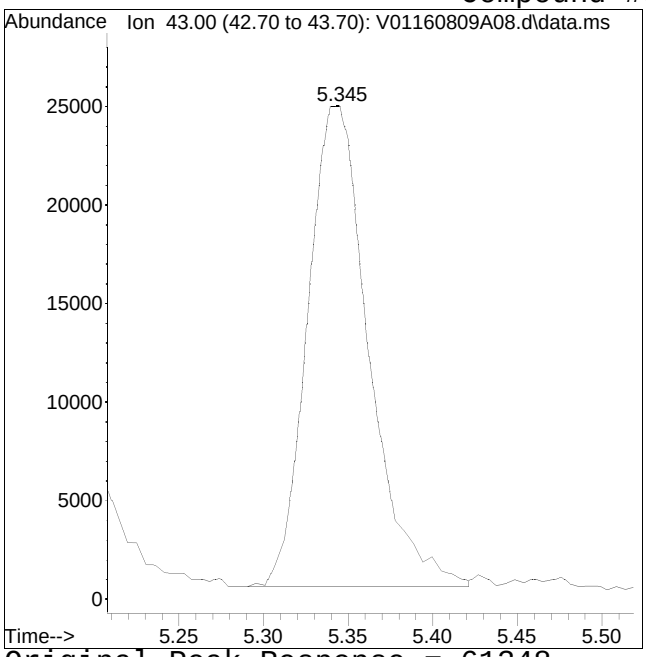


Manual Integration Report

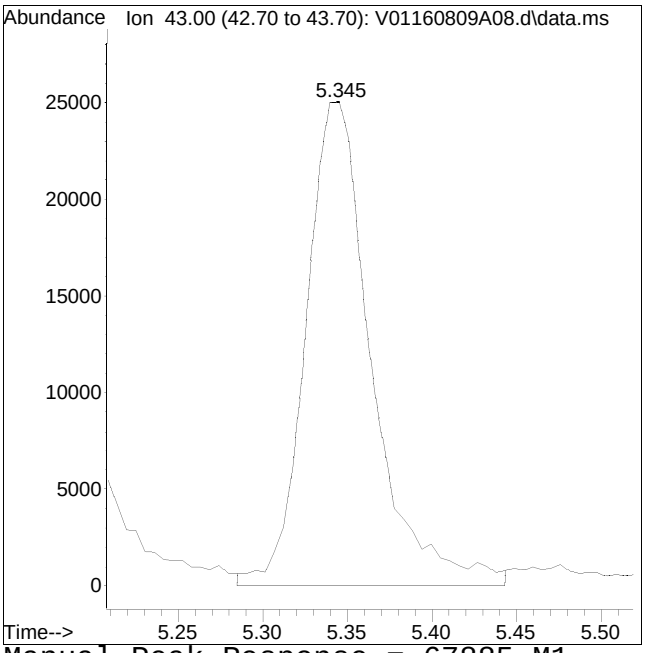
Data Path : I:\VOLATILES\VOA101\2016\1Q
Data File : V01160809A08.d
Date Inj'd : 8/9/2016 17:34
Sample : ISTDL4

Method : V101_160809_8260.m
Operator : VOA101:MS
Instrument : VOA 101
Quant Date : 8/9/2016 7:56 pm

Compound #39: 2-Butanone



Original Peak Response = 61348



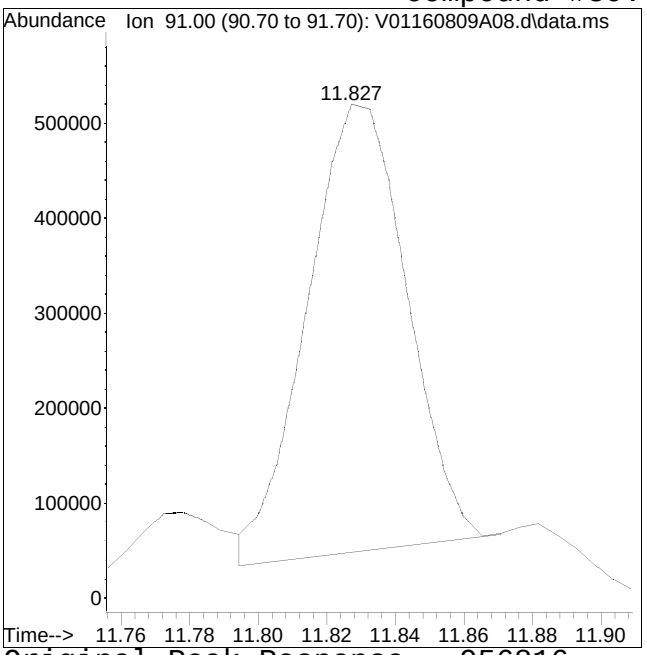
Manual Peak Response = 67885 M1

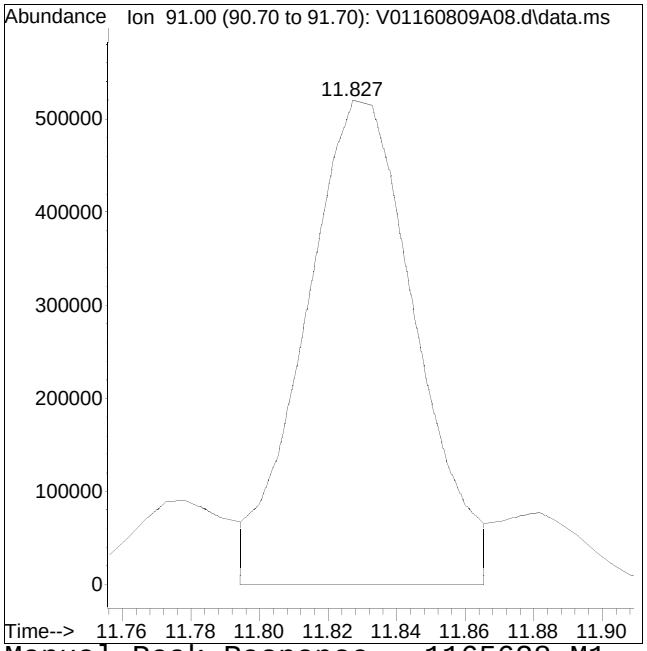
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1QMethod : V101_160809_8260.m
Data File : V01160809A08.d Operator : VOA101:MS
Date Inj'd : 8/9/2016 17:34 Instrument : VOA 101
Sample : ISTDL4 Quant Date : 8/9/2016 7:56 pm

Compound #89: 2-Chlorotoluene





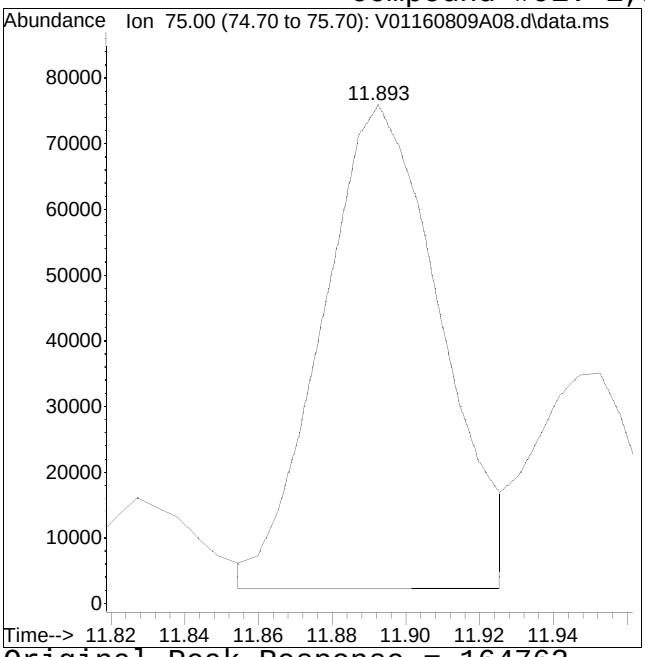
Original Peak Response = 956816 Manual Peak Response = 1165628 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

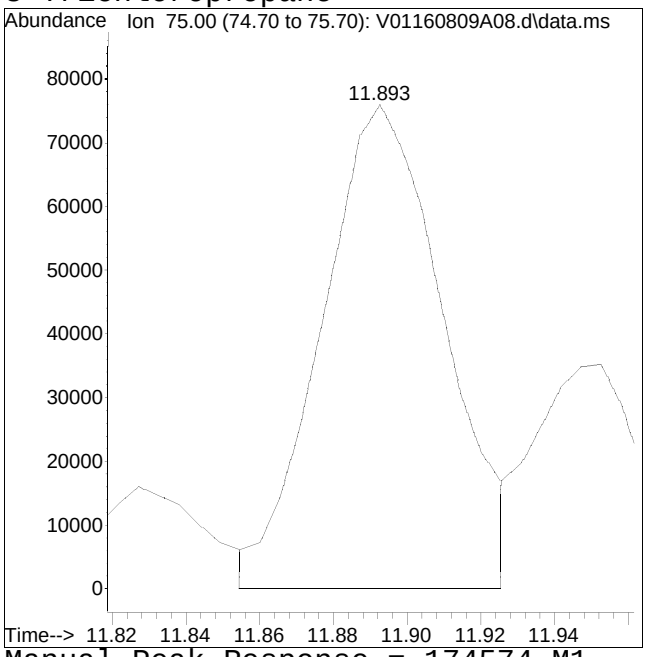
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1Q
Data File : V01160809A08.d
Date Inj'd : 8/9/2016 17:34
Sample : ISTDL4

Method : V101_160809_8260.m
Operator : VOA101:MS
Instrument : VOA 101
Quant Date : 8/9/2016 7:56 pm

Compound #91: 1,2,3-Trichloropropane



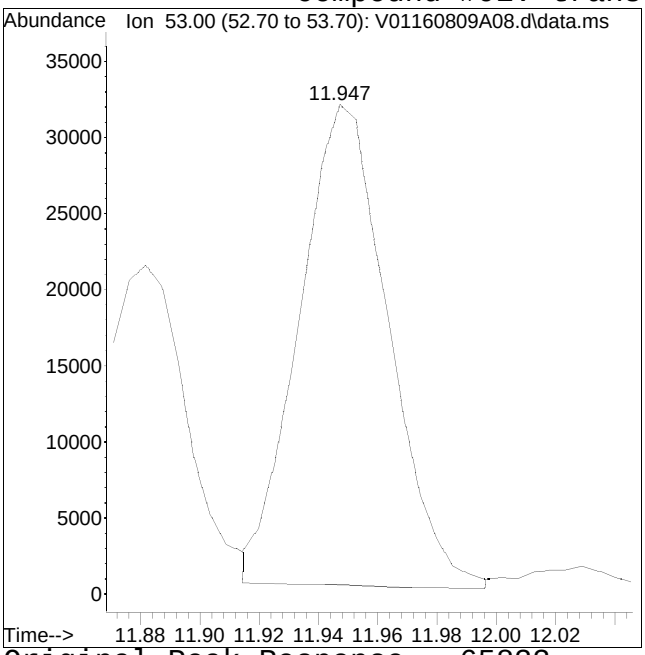


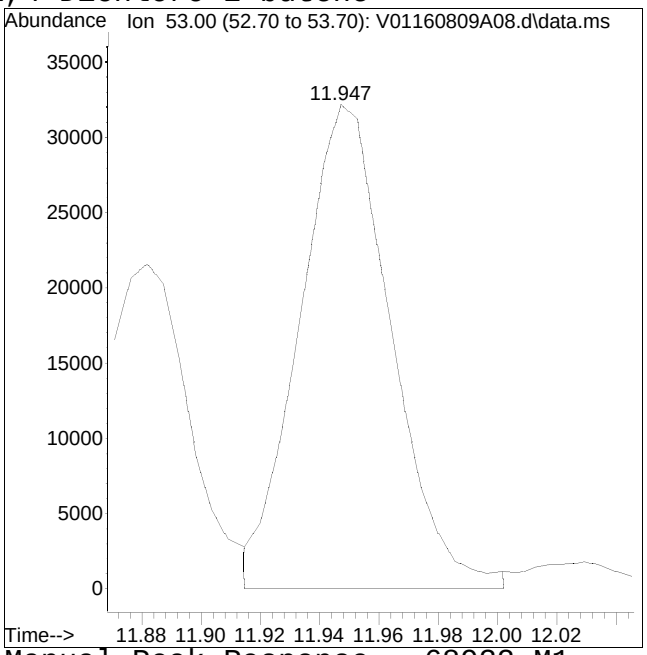
Original Peak Response = 164762 Manual Peak Response = 174574 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1QMethod : V101_160809_8260.m
Data File : V01160809A08.d Operator : VOA101:MS
Date Inj'd : 8/9/2016 17:34 Instrument : VOA 101
Sample : ISTDL4 Quant Date : 8/9/2016 7:56 pm

Compound #92: trans-1,4-Dichloro-2-butene





Original Peak Response = 65833 Manual Peak Response = 68932 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A09.d
Acq On : 9 Aug 2016 18:03
Operator : VOA101:MS
Sample : ISTDL6
Misc : WG921955,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 09 19:59:51 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 16:06:34 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.076	96	623558	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.912	117	433644	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	12.799	152	218340	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	5.220	113	159066	10.091	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.91%			
43) 1,2-Dichloroethane-d4	5.776	65	180338	9.845	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.45%			
60) Toluene-d8	7.899	98	573449	9.618	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.18%			
83) 4-Bromofluorobenzene	11.484	95	208378	9.277	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.77%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.586	85	1081086	82.498	ug/L	100
3) Chloromethane	1.771	50	1327303	72.417	ug/L	98
4) Vinyl chloride	1.842	62	1528374	86.177	ug/L	95
5) Bromomethane	2.148	94	909542	75.489	ug/L	100
6) Chloroethane	2.251	64	1003535	76.530	ug/L	99
7) Trichlorofluoromethane	2.399	101	1762345	86.917	ug/L	99
8) Ethyl ether	2.693	74	449370	78.600	ug/L	91
10) 1,1-Dichloroethene	2.890	96	974149	82.405	ug/L	96
11) Carbon disulfide	2.917	76	3381480	81.386	ug/L	100
12) Freon-113	2.928	101	950011	88.135	ug/L #	62
13) Iodomethane	3.032	142	1046434	86.542	ug/L	97
14) Acrolein	3.212	56	80575	79.941	ug/L	99
15) Methylene chloride	3.446	84	995889	73.698	ug/L	96
17) Acetone	3.490	43	122908	77.531	ug/L	91
18) trans-1,2-Dichloroethene	3.605	96	1059400	82.153	ug/L	99
19) Methyl acetate	3.610	43	350083	80.485	ug/L #	92
20) Methyl tert-butyl ether	3.697	73	2086911	79.485	ug/L	93
21) tert-Butyl alcohol	3.785	59	100022	385.409	ug/L #	87
22) Diisopropyl ether	4.068	45	3810365	82.042	ug/L	98
23) 1,1-Dichloroethane	4.210	63	2033541	82.202	ug/L	99
24) Halothane	4.259	117	716446	85.622	ug/L	100
25) Acrylonitrile	4.259	53	187005	81.451	ug/L	97
26) Ethyl tert-butyl ether	4.434	59	3036468	82.413	ug/L	99
27) Vinyl acetate	4.450	43	1989071	93.273	ug/L #	96
28) cis-1,2-Dichloroethene	4.750	96	1129321	82.335	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A09.d
Acq On : 9 Aug 2016 18:03
Operator : VOA101:MS
Sample : ISTDL6
Misc : WG921955,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 09 19:59:51 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 16:06:34 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2,2-Dichloropropane	4.854	77	1547524	77.166	ug/L		92
30) Bromochloromethane	4.952	128	408130	80.663	ug/L		98
31) Cyclohexane	4.952	56	2220443	91.816	ug/L		99
32) Chloroform	5.029	83	1940568	83.932	ug/L		98
33) Ethyl acetate	5.143	43	556218	80.837	ug/L	#	96
34) Carbon tetrachloride	5.170	117	1606222	89.911	ug/L		99
35) Tetrahydrofuran	5.187	42	173946	76.729	ug/L	#	87
37) 1,1,1-Trichloroethane	5.241	97	1852167	84.922	ug/L		100
39) 2-Butanone	5.340	43	180840	54.183	ug/L	#	67
40) 1,1-Dichloropropene	5.367	75	1509491	86.977	ug/L		97
41) Benzene	5.629	78	4335126	83.736	ug/L		98
42) tert-Amyl methyl ether	5.743	73	2328760	84.418	ug/L		92
44) 1,2-Dichloroethane	5.847	62	1271360	80.176	ug/L		99
47) Methyl cyclohexane	6.256	83	1825196	90.331	ug/L		97
48) Trichloroethene	6.267	95	1173712	87.518	ug/L		94
50) Dibromomethane	6.742	93	466924	82.366	ug/L		98
51) 1,2-Dichloropropane	6.851	63	1021950	82.247	ug/L		96
53) 2-Chloroethyl vinyl ether	7.599	63	355370	73.312	ug/L		90
54) Bromodichloromethane	6.927	83	1333693	85.901	ug/L		99
57) 1,4-Dioxane	7.157	88	32115	696.482	ug/L		95
58) cis-1,3-Dichloropropene	7.675	75	1506567	84.694	ug/L		94
61) Toluene	7.964	92	2716733	84.789	ug/L		97
62) 4-Methyl-2-pentanone	8.433	58	184392	82.444	ug/L		82
63) Tetrachloroethene	8.450	166	1042131	85.437	ug/L		97
65) trans-1,3-Dichloropropene	8.488	75	1231532	89.130	ug/L		94
67) Ethyl methacrylate	8.690	69	852625	97.851	ug/L		89
68) 1,1,2-Trichloroethane	8.690	83	530436	84.221	ug/L		98
69) Chlorodibromomethane	8.919	129	770410	89.623	ug/L		99
70) 1,3-Dichloropropane	9.045	76	1088515	80.320	ug/L		99
71) 1,2-Dibromoethane	9.225	107	569954	84.154	ug/L		98
72) 2-Hexanone	9.536	43	294940	103.122	ug/L		93
73) Chlorobenzene	9.934	112	2750312	82.901	ug/L		97
74) Ethylbenzene	9.972	91	5505627	88.578	ug/L		97
75) 1,1,1,2-Tetrachloroethane	10.021	131	949111	88.439	ug/L		99
76) p/m Xylene	10.174	106	4165593	186.278	ug/L		91
77) o Xylene	10.736	106	3963924	186.844	ug/L		89
78) Styrene	10.807	104	7000413	204.059	ug/L		97
80) Bromoform	10.834	173	450578	95.935	ug/L		100
82) Isopropylbenzene	11.134	105	5457913	85.694	ug/L		99
84) Bromobenzene	11.609	156	1033011	81.867	ug/L		99
85) n-Propylbenzene	11.647	91	6898299	89.312	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A09.d
Acq On : 9 Aug 2016 18:03
Operator : VOA101:MS
Sample : ISTDL6
Misc : WG921955,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 09 19:59:51 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 16:06:34 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
86) 1,4-Dichlorobutane	11.669	55	1270978	84.354	ug/L		98
87) 1,1,2,2-Tetrachloroethane	11.740	83	624882	81.693	ug/L		98
88) 4-Ethyltoluene	11.778	105	5424195	89.262	ug/L		99
89) 2-Chlorotoluene	11.833	91	3879340	83.595	ug/L		93
90) 1,3,5-Trimethylbenzene	11.882	105	4469723	89.119	ug/L	#	66
91) 1,2,3-Trichloropropane	11.893	75	560498	80.832	ug/L		99
92) trans-1,4-Dichloro-2-b...	11.947	53	211834	77.697	ug/L	#	86
93) 4-Chlorotoluene	12.029	91	3804307	85.611	ug/L	#	100
94) tert-Butylbenzene	12.253	119	3597633	85.433	ug/L		96
97) 1,2,4-Trimethylbenzene	12.340	105	4254404	87.654	ug/L		98
98) sec-Butylbenzene	12.460	105	5373251	86.846	ug/L		100
99) p-Isopropyltoluene	12.624	119	4360629	87.780	ug/L		98
100) 1,3-Dichlorobenzene	12.711	146	1997816	82.149	ug/L		100
101) 1,4-Dichlorobenzene	12.815	146	1948689	79.417	ug/L		99
102) p-Diethylbenzene	13.033	119	2427547	86.548	ug/L		98
103) n-Butylbenzene	13.099	91	3823340	85.379	ug/L		97
104) 1,2-Dichlorobenzene	13.279	146	1599115	79.555	ug/L		100
105) 1,2,4,5-Tetramethylben...	13.912	119	2950542	82.232	ug/L		99
106) 1,2-Dibromo-3-chloropr...	14.146	155	58047	98.630	ug/L		100
107) 1,3,5-Trichlorobenzene	14.174	180	914758	77.396	ug/L		99
108) Hexachlorobutadiene	14.806	225	265491	67.331	ug/L		99
109) 1,2,4-Trichlorobenzene	14.845	180	553220	73.943	ug/L		99
110) Naphthalene	15.183	128	816716	71.125	ug/L		100
111) 1,2,3-Trichlorobenzene	15.379	180	294426	65.418	ug/L		97

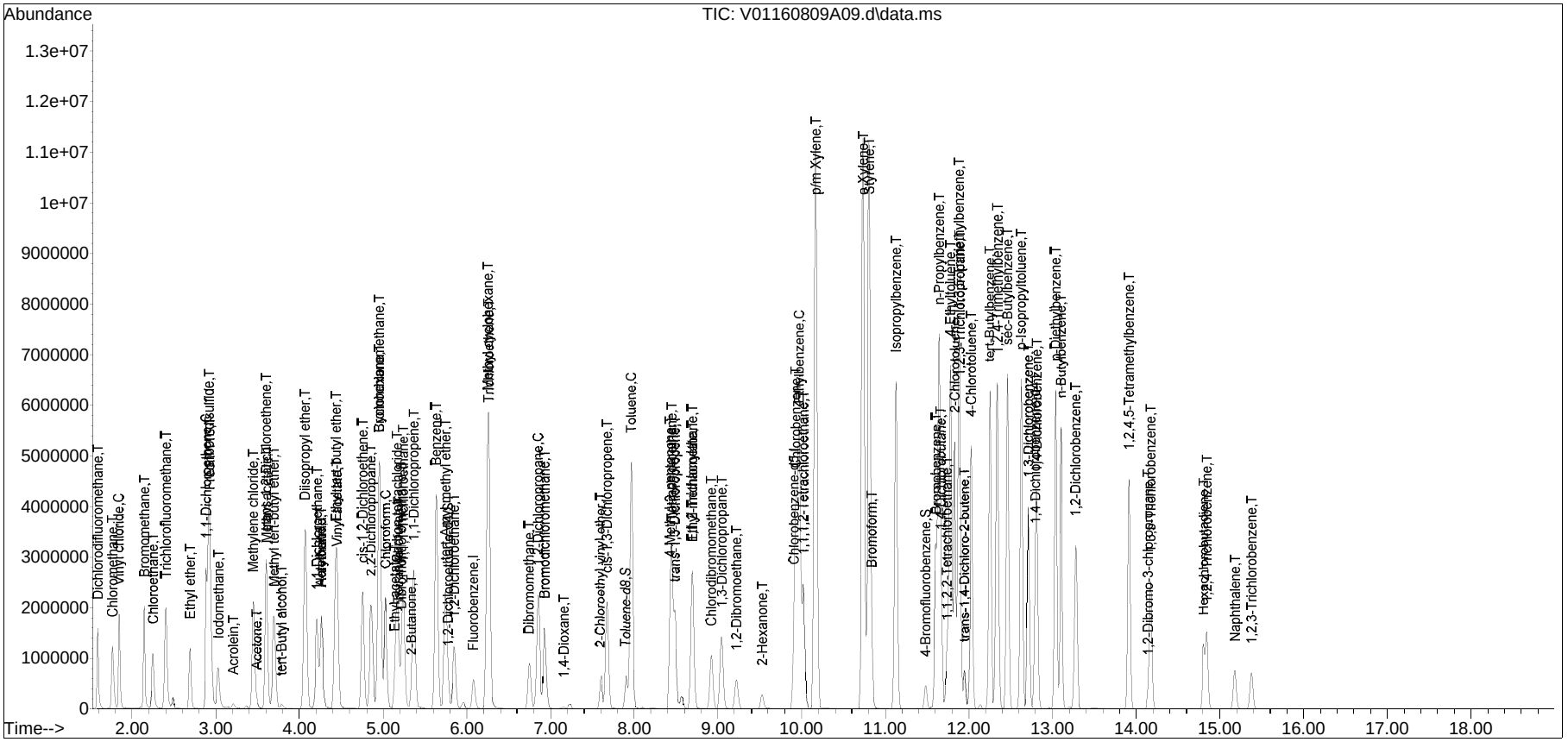
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A09.d
Acq On : 9 Aug 2016 18:03
Operator : VOA101:MS
Sample : ISTDL6
Misc : WG921955,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 09 19:59:51 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 16:06:34 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox



Manual Integration Report

Data Path	: I:\VOLATILES\VOA101\2016\1	QMethod	: V101_160809_8260.m
Data File	: V01160809A09.d	Operator	: VOA101:MS
Date Inj'd	: 8/9/2016 18:03	Instrument	: VOA 101
Sample	: ISTDL6	Quant Date	: 8/9/2016 7:58 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A10.d
Acq On : 9 Aug 2016 18:32
Operator : VOA101:MS
Sample : ISTDL8
Misc : WG921955,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 09 20:01:15 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 16:06:34 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.082	96	651250	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.912	117	462080	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	12.798	152	230608	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	5.219	113	172224	10.446	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.46%			
43) 1,2-Dichloroethane-d4	5.776	65	194316	10.183	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.83%			
60) Toluene-d8	7.899	98	604551	9.576	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.76%			
83) 4-Bromofluorobenzene	11.483	95	220903	9.425	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.25%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.585	85	1767776	128.362	ug/L	100
3) Chloromethane	1.771	50	2258952	120.287	ug/L	98
4) Vinyl chloride	1.847	62	2495312	133.004	ug/L	96
5) Bromomethane	2.148	94	1579348	120.355	ug/L	100
6) Chloroethane	2.246	64	1593842	117.397	ug/L	99
7) Trichlorofluoromethane	2.398	101	2899238	134.580	ug/L	99
8) Ethyl ether	2.693	74	740412	124.436	ug/L	91
10) 1,1-Dichloroethene	2.890	96	1644724	132.417	ug/L	98
11) Carbon disulfide	2.917	76	5769091	132.489	ug/L	100
12) Freon-113	2.928	101	1586371	138.105	ug/L #	58
13) Iodomethane	3.026	142	1683881	126.011	ug/L	97
14) Acrolein	3.212	56	130925	124.173	ug/L	99
15) Methylene chloride	3.446	84	1645770	118.479	ug/L	96
17) Acetone	3.490	43	193229	119.712	ug/L #	90
18) trans-1,2-Dichloroethene	3.604	96	1776577	131.204	ug/L	99
19) Methyl acetate	3.610	43	579285	127.362	ug/L #	92
20) Methyl tert-butyl ether	3.703	73	3374783	123.230	ug/L	93
21) tert-Butyl alcohol	3.790	59	186187	708.682	ug/L #	84
22) Diisopropyl ether	4.068	45	6286749	128.948	ug/L	98
23) 1,1-Dichloroethane	4.205	63	3366381	129.580	ug/L	98
24) Halothane	4.259	117	1183929	133.597	ug/L	99
25) Acrylonitrile	4.259	53	307208	126.321	ug/L	97
26) Ethyl tert-butyl ether	4.434	59	4986670	128.812	ug/L	99
27) Vinyl acetate	4.450	43	3249873	141.229	ug/L #	96
28) cis-1,2-Dichloroethene	4.750	96	1857509	128.914	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A10.d
Acq On : 9 Aug 2016 18:32
Operator : VOA101:MS
Sample : ISTDL8
Misc : WG921955,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 09 20:01:15 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 16:06:34 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2,2-Dichloropropane	4.854	77	2532238	121.761	ug/L		91
30) Bromochloromethane	4.952	128	650444	122.884	ug/L		99
31) Cyclohexane	4.958	56	3646944	140.247	ug/L		100
32) Chloroform	5.028	83	3189870	130.814	ug/L		98
33) Ethyl acetate	5.143	43	890554	123.028	ug/L		98
34) Carbon tetrachloride	5.170	117	2606041	136.298	ug/L		99
35) Tetrahydrofuran	5.187	42	277331	120.602	ug/L	#	88
37) 1,1,1-Trichloroethane	5.241	97	2993650	129.825	ug/L		100
39) 2-Butanone	5.339	43	282754	86.713	ug/L	#	65
40) 1,1-Dichloropropene	5.367	75	2438779	132.241	ug/L		97
41) Benzene	5.629	78	7057874	129.323	ug/L		98
42) tert-Amyl methyl ether	5.743	73	3757716	129.001	ug/L		92
44) 1,2-Dichloroethane	5.847	62	2041522	123.216	ug/L		99
47) Methyl cyclohexane	6.256	83	2991987	138.211	ug/L		97
48) Trichloroethene	6.267	95	1951447	136.752	ug/L		94
50) Dibromomethane	6.742	93	748507	125.680	ug/L		98
51) 1,2-Dichloropropane	6.851	63	1653547	126.708	ug/L		96
53) 2-Chloroethyl vinyl ether	7.604	63	537473	112.497	ug/L		91
54) Bromodichloromethane	6.933	83	2168260	131.772	ug/L		99
57) 1,4-Dioxane	7.156	88	43123	919.237	ug/L		97
58) cis-1,3-Dichloropropene	7.675	75	2420280	128.764	ug/L		94
61) Toluene	7.964	92	4456117	128.972	ug/L		97
62) 4-Methyl-2-pentanone	8.433	58	293853	120.620	ug/L		82
63) Tetrachloroethene	8.450	166	1670522	126.803	ug/L		96
65) trans-1,3-Dichloropropene	8.488	75	2017867	133.994	ug/L		94
67) Ethyl methacrylate	8.690	69	1384667	142.760	ug/L		89
68) 1,1,2-Trichloroethane	8.690	83	860749	126.918	ug/L		98
69) Chlorodibromomethane	8.919	129	1240889	132.289	ug/L		99
70) 1,3-Dichloropropane	9.044	76	1739882	120.387	ug/L		100
71) 1,2-Dibromoethane	9.224	107	897880	123.135	ug/L		99
72) 2-Hexanone	9.530	43	457110	141.791	ug/L		91
73) Chlorobenzene	9.934	112	4545841	127.665	ug/L		97
74) Ethylbenzene	9.972	91	9174370	135.611	ug/L		97
75) 1,1,1,2-Tetrachloroethane	10.021	131	1560272	133.622	ug/L		99
76) p/m Xylene	10.174	106	7018655	285.180	ug/L		91
77) o Xylene	10.736	106	6621600	283.400	ug/L		87
78) Styrene	10.807	104	11520871	298.710	ug/L		96
80) Bromoform	10.840	173	717697	139.137	ug/L		100
82) Isopropylbenzene	11.134	105	8938112	131.005	ug/L		99
84) Bromobenzene	11.609	156	1671764	124.858	ug/L		100
85) n-Propylbenzene	11.647	91	11369023	136.193	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A10.d
Acq On : 9 Aug 2016 18:32
Operator : VOA101:MS
Sample : ISTDL8
Misc : WG921955,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 09 20:01:15 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 16:06:34 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
86) 1,4-Dichlorobutane	11.669	55	2057299	127.886	ug/L		98
87) 1,1,2,2-Tetrachloroethane	11.740	83	984384	121.333	ug/L		99
88) 4-Ethyltoluene	11.778	105	8902523	135.570	ug/L		100
89) 2-Chlorotoluene	11.833	91	6465762	130.742	ug/L		92
90) 1,3,5-Trimethylbenzene	11.882	105	7275682	134.287	ug/L	#	66
91) 1,2,3-Trichloropropane	11.893	75	889515	121.205	ug/L		99
92) trans-1,4-Dichloro-2-b...	11.947	53	329791	116.665	ug/L	#	84
93) 4-Chlorotoluene	12.029	91	6228372	130.870	ug/L	#	100
94) tert-Butylbenzene	12.253	119	5868255	130.172	ug/L		96
97) 1,2,4-Trimethylbenzene	12.340	105	6981795	133.637	ug/L		98
98) sec-Butylbenzene	12.460	105	8815576	132.633	ug/L		99
99) p-Isopropyltoluene	12.629	119	7107487	132.879	ug/L		98
100) 1,3-Dichlorobenzene	12.711	146	3271544	126.687	ug/L		100
101) 1,4-Dichlorobenzene	12.815	146	3172791	122.604	ug/L		99
102) p-Diethylbenzene	13.033	119	4009790	133.174	ug/L		98
103) n-Butylbenzene	13.098	91	6248271	130.354	ug/L		97
104) 1,2-Dichlorobenzene	13.284	146	2535817	119.577	ug/L		100
105) 1,2,4,5-Tetramethylben...	13.911	119	4686473	122.978	ug/L		99
106) 1,2-Dibromo-3-chloropr...	14.146	155	92432	142.083	ug/L		100
107) 1,3,5-Trichlorobenzene	14.179	180	1445384	116.544	ug/L		99
108) Hexachlorobutadiene	14.806	225	433369	107.463	ug/L		99
109) 1,2,4-Trichlorobenzene	14.844	180	864068	111.028	ug/L		99
110) Naphthalene	15.177	128	1273074	107.352	ug/L		100
111) 1,2,3-Trichlorobenzene	15.379	180	449361	98.107	ug/L		99

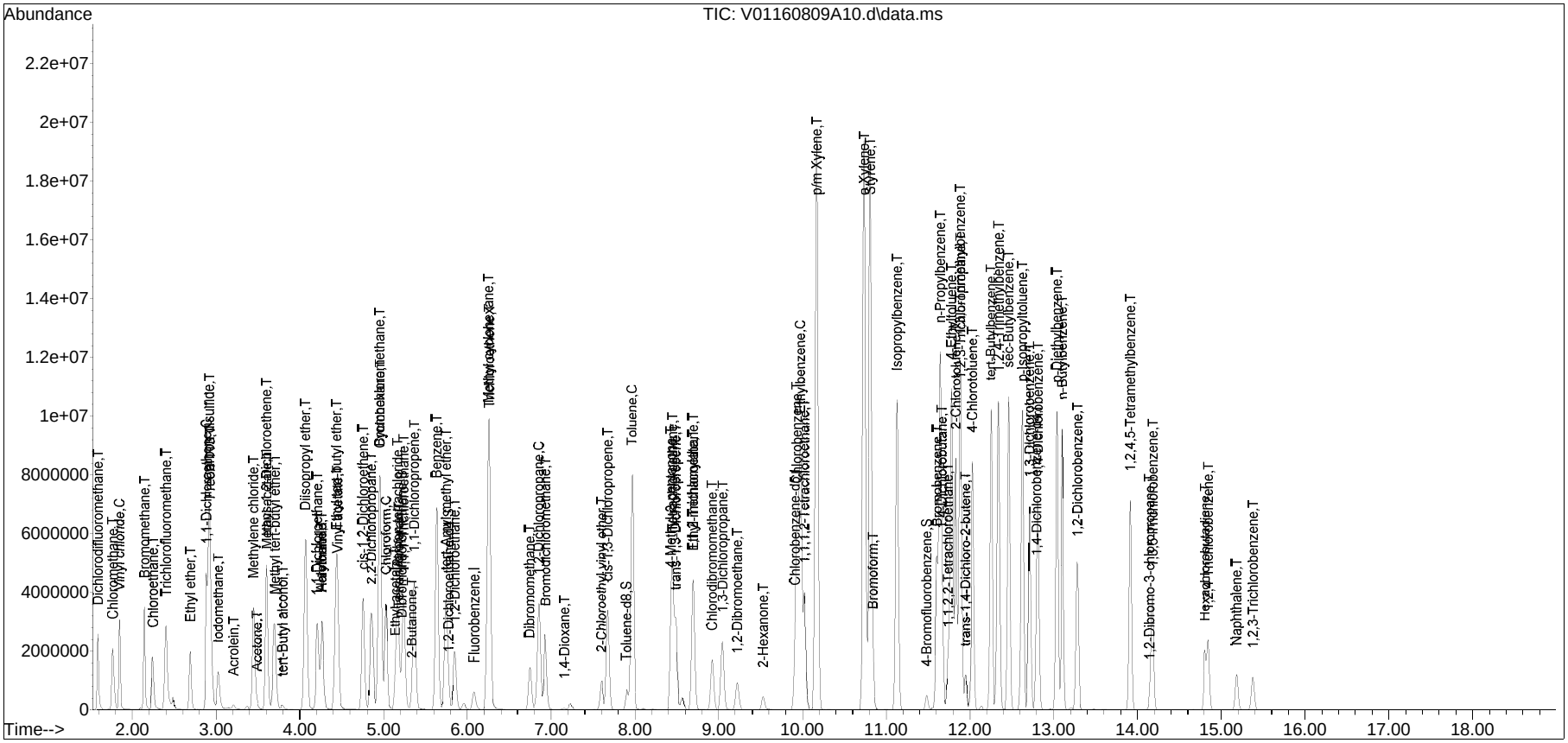
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A10.d
Acq On : 9 Aug 2016 18:32
Operator : VOA101:MS
Sample : ISTDL8
Misc : WG921955,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 09 20:01:15 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 16:06:34 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox



Manual Integration Report

Data Path	: I:\VOLATILES\VOA101\2016\1	QMethod	: V101_160809_8260.m
Data File	: V01160809A10.d	Operator	: VOA101:MS
Date Inj'd	: 8/9/2016 18:32	Instrument	: VOA 101
Sample	: ISTDL8	Quant Date	: 8/9/2016 8:00 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A11.d
Acq On : 9 Aug 2016 19:00
Operator : VOA101:MS
Sample : ISTDL10
Misc : WG921955,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 09 20:28:38 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 16:06:34 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.082	96	685406	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.912	117	501262	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	12.798	152	252082	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	5.214	113	181175	10.375	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.75%			
43) 1,2-Dichloroethane-d4	5.776	65	204273	10.145	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.45%			
60) Toluene-d8	7.904	98	641852	9.430	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.30%			
83) 4-Bromofluorobenzene	11.483	95	230215	9.060	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.585	85	3164425	215.818	ug/L	100
3) Chloromethane	1.771	50	4131465	208.950	ug/L	97
4) Vinyl chloride	1.847	62	4587088	228.773	ug/L	95
5) Bromomethane	2.142	94	2931406	183.827	ug/L	100
6) Chloroethane	2.240	64	1909916	134.153	ug/L	99
7) Trichlorofluoromethane	2.393	101	5288325	228.617	ug/L	99
8) Ethyl ether	2.693	74	1336875	212.175	ug/L	91
10) 1,1-Dichloroethene	2.890	96	3126549	235.121	ug/L	99
11) Carbon disulfide	2.917	76	11172776	239.643	ug/L	99
12) Freon-113	2.922	101	2977990	240.293	ug/L #	53
13) Iodomethane	3.026	142	3038804	210.288	ug/L	98
14) Acrolein	3.212	56	230398	203.697	ug/L	99
15) Methylene chloride	3.446	84	2961849	203.027	ug/L	96
17) Acetone	3.490	43	333340	197.105	ug/L	91
18) trans-1,2-Dichloroethene	3.604	96	3272156	226.095	ug/L	100
19) Methyl acetate	3.610	43	1030075	213.009	ug/L #	91
20) Methyl tert-butyl ether	3.697	73	5973693	206.334	ug/L	92
21) tert-Butyl alcohol	3.790	59	321800	1068.538	ug/L #	82
22) Diisopropyl ether	4.074	45	11471234	220.818	ug/L	97
23) 1,1-Dichloroethane	4.210	63	6122293	220.978	ug/L	99
24) Halothane	4.265	117	2153598	226.626	ug/L	100
25) Acrylonitrile	4.259	53	539145	204.860	ug/L	98
26) Ethyl tert-butyl ether	4.434	59	8994751	218.098	ug/L	99
27) Vinyl acetate	4.450	43	5722520	229.523	ug/L #	96
28) cis-1,2-Dichloroethene	4.750	96	3385827	220.541	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A11.d
Acq On : 9 Aug 2016 19:00
Operator : VOA101:MS
Sample : ISTDL10
Misc : WG921955,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 09 20:28:38 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 16:06:34 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2,2-Dichloropropane	4.859	77	4547174	207.245	ug/L		90
30) Bromochloromethane	4.958	128	1148724	205.383	ug/L		99
31) Cyclohexane	4.958	56	6760974	240.286	ug/L		99
32) Chloroform	5.028	83	5639988	216.513	ug/L		98
33) Ethyl acetate	5.143	43	1529601	198.203	ug/L	#	97
34) Carbon tetrachloride	5.170	117	4664122	226.650	ug/L		100
35) Tetrahydrofuran	5.181	42	466448	192.385	ug/L	#	87
37) 1,1,1-Trichloroethane	5.241	97	5338056	216.997	ug/L		99
39) 2-Butanone	5.339	43	484535	148.033	ug/L	#	63
40) 1,1-Dichloropropene	5.367	75	4346592	220.201	ug/L		97
41) Benzene	5.634	78	12973906	222.990	ug/L		97
42) tert-Amyl methyl ether	5.743	73	6633744	213.713	ug/L		92
44) 1,2-Dichloroethane	5.847	62	3593522	205.162	ug/L		99
47) Methyl cyclohexane	6.256	83	5669648	242.711	ug/L		96
48) Trichloroethene	6.267	95	3628582	236.116	ug/L		93
50) Dibromomethane	6.742	93	1325320	209.787	ug/L		98
51) 1,2-Dichloropropane	6.856	63	2994972	216.049	ug/L		97
53) 2-Chloroethyl vinyl ether	7.604	63	870490	178.750	ug/L		91
54) Bromodichloromethane	6.927	83	3937408	223.706	ug/L		99
57) 1,4-Dioxane	7.156	88	65618	1382.979	ug/L		97
58) cis-1,3-Dichloropropene	7.675	75	4380140	218.757	ug/L		93
61) Toluene	7.964	92	8224252	216.726	ug/L		97
62) 4-Methyl-2-pentanone	8.439	58	522196	196.853	ug/L		80
63) Tetrachloroethene	8.450	166	3033200	210.255	ug/L		96
65) trans-1,3-Dichloropropene	8.488	75	3648318	219.068	ug/L		92
67) Ethyl methacrylate	8.690	69	2475979	228.111	ug/L		89
68) 1,1,2-Trichloroethane	8.690	83	1550162	208.700	ug/L		98
69) Chlorodibromomethane	8.924	129	2257652	218.147	ug/L		99
70) 1,3-Dichloropropane	9.044	76	3119349	198.858	ug/L		100
71) 1,2-Dibromoethane	9.224	107	1600952	201.515	ug/L		99
72) 2-Hexanone	9.530	43	789436	219.103	ug/L		92
73) Chlorobenzene	9.934	112	8233192	210.901	ug/L		97
74) Ethylbenzene	9.977	91	16955783	226.138	ug/L		97
75) 1,1,1,2-Tetrachloroethane	10.027	131	2861035	221.673	ug/L		98
76) p/m Xylene	10.179	106	13258659	481.504	ug/L	#	1
77) o Xylene	10.741	106	12550712	480.686	ug/L	#	1
78) Styrene	10.801	104	20302337	466.239	ug/L		92
80) Bromoform	10.840	173	1297515	224.157	ug/L		99
82) Isopropylbenzene	11.134	105	16481704	217.665	ug/L		99
84) Bromobenzene	11.609	156	3057668	207.513	ug/L		99
85) n-Propylbenzene	11.642	91	19381656	207.729	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A11.d
Acq On : 9 Aug 2016 19:00
Operator : VOA101:MS
Sample : ISTDL10
Misc : WG921955,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 09 20:28:38 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 16:06:34 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
86) 1,4-Dichlorobutane	11.669	55	3682920	207.166	ug/L		99
87) 1,1,2,2-Tetrachloroethane	11.745	83	1777655	200.074	ug/L		99
88) 4-Ethyltoluene	11.783	105	16457521	224.416	ug/L		99
89) 2-Chlorotoluene	11.833	91	11685150	212.976	ug/L		92
90) 1,3,5-Trimethylbenzene	11.887	105	13562523	224.543	ug/L	#	67
91) 1,2,3-Trichloropropane	11.893	75	1618311	201.389	ug/L		99
92) trans-1,4-Dichloro-2-b...	11.947	53	576399	189.030	ug/L	#	80
93) 4-Chlorotoluene	12.034	91	11564693	218.990	ug/L	#	100
94) tert-Butylbenzene	12.258	119	10873073	217.571	ug/L		96
97) 1,2,4-Trimethylbenzene	12.340	105	12920177	222.030	ug/L		98
98) sec-Butylbenzene	12.466	105	16242888	219.707	ug/L		99
99) p-Isopropyltoluene	12.629	119	13274327	223.041	ug/L		98
100) 1,3-Dichlorobenzene	12.711	146	6114691	214.621	ug/L		100
101) 1,4-Dichlorobenzene	12.815	146	5874529	206.919	ug/L		99
102) p-Diethylbenzene	13.038	119	7560300	225.577	ug/L		98
103) n-Butylbenzene	13.104	91	11787439	221.776	ug/L		97
104) 1,2-Dichlorobenzene	13.284	146	4769738	205.879	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.911	119	9176613	219.383	ug/L		99
106) 1,2-Dibromo-3-chloropr...	14.146	155	164778	224.818	ug/L		99
107) 1,3,5-Trichlorobenzene	14.179	180	2633732	195.210	ug/L		98
108) Hexachlorobutadiene	14.812	225	828318	191.231	ug/L		99
109) 1,2,4-Trichlorobenzene	14.844	180	1573593	187.308	ug/L		99
110) Naphthalene	15.177	128	2211375	173.639	ug/L		100
111) 1,2,3-Trichlorobenzene	15.379	180	777580	160.175	ug/L		99

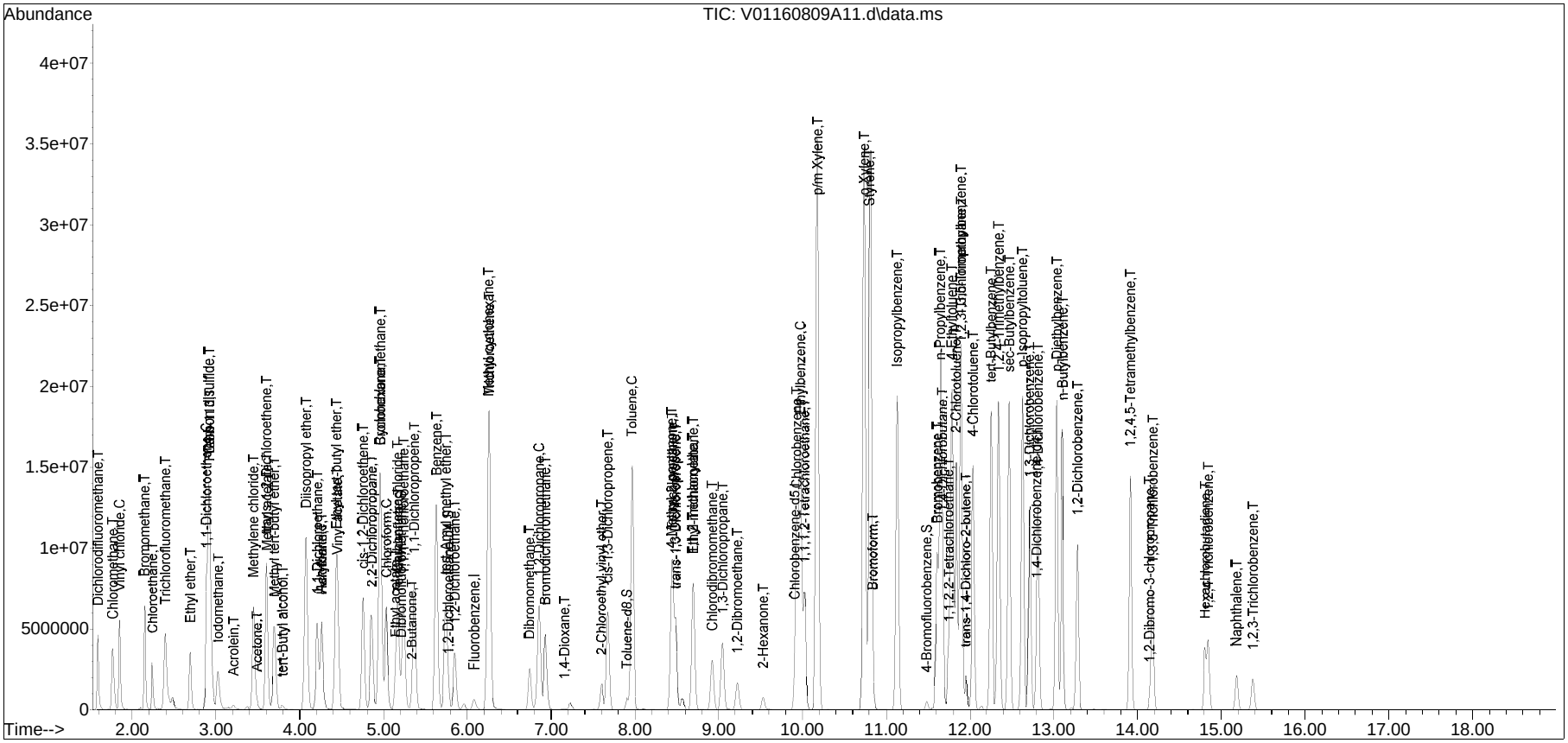
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A11.d
Acq On : 9 Aug 2016 19:00
Operator : VOA101:MS
Sample : ISTDL10
Misc : WG921955,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 09 20:28:38 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Aug 09 16:06:34 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox



Manual Integration Report

Data Path	: I:\VOLATILES\VOA101\2016\1	QMethod	: V101_160809_8260.m
Data File	: V01160809A11.d	Operator	: VOA101:MS
Date Inj'd	: 8/9/2016 19:00	Instrument	: VOA 101
Sample	: ISTDL10	Quant Date	: 8/9/2016 8:01 pm

There are no manual integrations or false positives in this file.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A17.d
Acq On : 9 Aug 2016 21:50
Operator : VOA101:MS
Sample : CSTDL3
Misc : WG921955,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 11 13:31:04 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene		1.000	1.000	0.0	110	0.00
2	T	Dichlorodifluoromethane		0.216	0.264	-22.2	117	0.00
3	T	Chloromethane		0.290	0.355	-22.4	127	0.00
4	C	Vinyl chloride		0.298	0.320	-7.4	102	0.00
5	T	Bromomethane		0.175	0.170	2.9	126	0.00
6	T	Chloroethane		0.198	0.213	-7.6	103	0.00
7	T	Trichlorofluoromethane		0.344	0.370	-7.6	108	0.00
8	T	Ethyl ether		0.093	0.090	3.2	101	0.00
10	C	1,1-Dichloroethene		0.199	0.201	-1.0	103	0.00
11	T	Carbon disulfide		0.699	0.688	1.6	108	0.00
12	T	Freon-113		0.186	0.200	-7.5	109	0.00
13	T	Iodomethane	*	10.000	7.831	21.7	107	0.00
14	T	Acrolein	*	10.000	3.549	64.5#	36	0.00
15	T	Methylene chloride		0.213	0.207	2.8	106	0.00
17	T	Acetone	*	10.000	9.754	2.5	98	0.00
18	T	trans-1,2-Dichloroethene		0.215	0.220	-2.3	107	0.00
19	T	Methyl acetate		0.071	0.074	-4.2	115	0.00
20	T	Methyl tert-butyl ether		0.424	0.405	4.5	100	0.00
21	T	tert-Butyl alcohol	*	50.000	69.975	-39.9#	177	0.00
22	T	Diisopropyl ether		0.769	0.747	2.9	103	0.00
23	T	1,1-Dichloroethane		0.410	0.413	-0.7	106	0.00
24	T	Halothane		0.141	0.153	-8.5	112	0.00
25	T	Acrylonitrile	*	10.000	8.614	13.9	93	0.00
26	T	Ethyl tert-butyl ether		0.609	0.578	5.1	101	0.00
27	T	Vinyl acetate		0.371	0.374	-0.8	103	0.00
28	T	cis-1,2-Dichloroethene		0.227	0.229	-0.9	107	0.00
29	T	2,2-Dichloropropane		0.322	0.321	0.3	100	0.00
30	T	Bromochloromethane		0.082	0.084	-2.4	104	0.00
31	T	Cyclohexane		0.422	0.439	-4.0	108	0.00
32	C	Chloroform		0.385	0.380	1.3	105	0.00
33	T	Ethyl acetate		0.110	0.098	10.9	93	0.00
34	T	Carbon tetrachloride		0.306	0.294	3.9	100	0.00
35	T	Tetrahydrofuran		0.038	0.034	10.5	94	0.00
36	S	Dibromofluoromethane		0.256	0.246	3.9	107	0.00
37	T	1,1,1-Trichloroethane		0.363	0.361	0.6	104	0.00
39	T	2-Butanone	*	10.000	8.879	11.2	83	0.00
40	T	1,1-Dichloropropene		0.292	0.320	-9.6	113	0.00
41	T	Benzene		0.863	0.854	1.0	106	0.00
42	T	tert-Amyl methyl ether		0.457	0.430	5.9	99	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A17.d
Acq On : 9 Aug 2016 21:50
Operator : VOA101:MS
Sample : CSTDL3
Misc : WG921955,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 11 13:31:04 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.294	0.266	9.5	103	0.00
44	T	1,2-Dichloroethane	0.256	0.251	2.0	103	0.00
47	T	Methyl cyclohexane	0.351	0.362	-3.1	110	0.00
48	T	Trichloroethene	0.230	0.226	1.7	106	0.00
50	T	Dibromomethane	0.093	0.089	4.3	101	0.00
51	C	1,2-Dichloropropane	0.205	0.205	0.0	105	0.00
53	T	2-Chloroethyl vinyl ether	0.068	0.082	-20.6	111	0.00
54	T	Bromodichloromethane	0.261	0.254	2.7	101	0.00
57	T	1,4-Dioxane	0.00066	0.00055	16.7	82	0.00
58	T	cis-1,3-Dichloropropene	0.296	0.291	1.7	103	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	110	0.00
60	S	Toluene-d8	1.348	1.356	-0.6	109	0.00
61	C	Toluene	0.766	0.761	0.7	105	0.00
62	T	4-Methyl-2-pentanone	* 10.000	9.118	8.8	98	0.00
63	T	Tetrachloroethene	0.290	0.301	-3.8	107	0.00
65	T	trans-1,3-Dichloropropene	0.337	0.327	3.0	101	0.00
67	T	Ethyl methacrylate	0.221	0.202	8.6	95	0.00
68	T	1,1,2-Trichloroethane	0.149	0.142	4.7	98	0.00
69	T	Chlorodibromomethane	0.209	0.207	1.0	102	0.00
70	T	1,3-Dichloropropane	0.313	0.313	0.0	102	0.00
71	T	1,2-Dibromoethane	0.159	0.155	2.5	100	0.00
72	T	2-Hexanone	* 10.000	8.854	11.5	91	0.00
73	T	Chlorobenzene	0.785	0.776	1.1	104	0.00
74	C	Ethylbenzene	1.524	1.503	1.4	106	0.00
75	T	1,1,1,2-Tetrachloroethane	0.261	0.253	3.1	103	0.00
76	T	p/m Xylene	0.565	0.540	4.4	106	0.00
77	T	o Xylene	0.536	0.509	5.0	105	0.00
78	T	Styrene	0.889	0.819	7.9	102	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
80	T	Bromoform	0.234	0.226	3.4	101	0.00
82	T	Isopropylbenzene	3.042	3.010	1.1	101	0.00
83	S	4-Bromofluorobenzene	0.996	1.034	-3.8	108	0.00
84	T	Bromobenzene	0.588	0.613	-4.3	106	0.00
85	T	n-Propylbenzene	3.722	3.732	-0.3	103	0.00
86	T	1,4-Dichlorobutane	0.709	0.682	3.8	97	0.00
87	T	1,1,2,2-Tetrachloroethane	0.352	0.369	-4.8	102	0.00
88	T	4-Ethyltoluene	2.960	3.153	-6.5	109	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A17.d
Acq On : 9 Aug 2016 21:50
Operator : VOA101:MS
Sample : CSTDL3
Misc : WG921955,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 11 13:31:04 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
89	T	2-Chlorotoluene	2.197	1.784	18.8	82	0.00
90	T	1,3,5-Trimethylbenzene	2.438	2.436	0.1	104	0.00
91	T	1,2,3-Trichloropropane	0.319	0.301	5.6	94	0.00
92	T	trans-1,4-Dichloro-2-butene *	10.000	9.345	6.5	89	0.00
93	T	4-Chlorotoluene	2.123	2.178	-2.6	104	0.00
94	T	tert-Butylbenzene	2.007	2.057	-2.5	103	0.00
97	T	1,2,4-Trimethylbenzene	2.345	2.405	-2.6	104	0.00
98	T	sec-Butylbenzene	2.974	2.974	0.0	102	0.00
99	T	p-Isopropyltoluene	2.400	2.444	-1.8	102	0.00
100	T	1,3-Dichlorobenzene	1.142	1.161	-1.7	103	0.00
101	T	1,4-Dichlorobenzene	1.132	1.125	0.6	101	0.00
102	T	p-Diethylbenzene	1.354	1.376	-1.6	102	0.00
103	T	n-Butylbenzene	2.141	2.200	-2.8	103	0.00
104	T	1,2-Dichlorobenzene	0.923	0.938	-1.6	101	0.00
105	T	1,2,4,5-Tetramethylbenzene	1.682	1.728	-2.7	100	0.00
106	T	1,2-Dibromo-3-chloropropane *	10.000	10.494	-4.9	107	-0.01
107	T	1,3,5-Trichlorobenzene	0.533	0.528	0.9	96	0.00
108	T	Hexachlorobutadiene	0.171	0.188	-9.9	109	0.00
109	T	1,2,4-Trichlorobenzene	0.330	0.342	-3.6	96	0.00
110	T	Naphthalene	0.496	0.519	-4.6	100	0.00
111	T	1,2,3-Trichlorobenzene	0.187	0.194	-3.7	95	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A17.d
Acq On : 9 Aug 2016 21:50
Operator : VOA101:MS
Sample : CSTDL3
Misc : WG921955,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 11 13:31:04 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.082	96	573397	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.912	117	396918	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	12.793	152	175652	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	5.220	113	141026	9.608	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.08%			
43) 1,2-Dichloroethane-d4	5.776	65	152596	9.043	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.43%			
60) Toluene-d8	7.899	98	538125	10.056	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.56%			
83) 4-Bromofluorobenzene	11.484	95	181675	10.383	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.83%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.586	85	151528	12.215	ug/L	100
3) Chloromethane	1.771	50	203399	12.218	ug/L	97
4) Vinyl chloride	1.848	62	183290	10.734	ug/L	96
5) Bromomethane	2.148	94	97646	9.749	ug/L	99
6) Chloroethane	2.262	64	122184	10.765	ug/L	99
7) Trichlorofluoromethane	2.399	101	212397	10.756	ug/L	100
8) Ethyl ether	2.699	74	51735	9.730	ug/L	92
10) 1,1-Dichloroethene	2.890	96	115168	10.099	ug/L	98
11) Carbon disulfide	2.917	76	394322	9.832	ug/L	100
12) Freon-113	2.928	101	114576	10.742	ug/L #	67
13) Iodomethane	3.032	142	89502	7.831	ug/L	98
14) Acrolein	3.217	56	2919	3.549	ug/L	98
15) Methylene chloride	3.452	84	118639	9.700	ug/L	96
17) Acetone	3.495	43	15069	9.754	ug/L	93
18) trans-1,2-Dichloroethene	3.610	96	126046	10.220	ug/L	99
19) Methyl acetate	3.615	43	42509	10.411	ug/L #	93
20) Methyl tert-butyl ether	3.703	73	232287	9.547	ug/L	94
21) tert-Butyl alcohol	3.790	59	19147	69.975	ug/L #	84
22) Diisopropyl ether	4.074	45	428572	9.717	ug/L	99
23) 1,1-Dichloroethane	4.210	63	236871	10.069	ug/L	98
24) Halothane	4.265	117	87509	10.802	ug/L	99
25) Acrylonitrile	4.265	53	18202	8.614	ug/L	95
26) Ethyl tert-butyl ether	4.434	59	331261	9.479	ug/L	100
27) Vinyl acetate	4.456	43	214324	10.063	ug/L #	96
28) cis-1,2-Dichloroethene	4.750	96	131228	10.070	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A17.d
Acq On : 9 Aug 2016 21:50
Operator : VOA101:MS
Sample : CSTDL3
Misc : WG921955,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 11 13:31:04 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2,2-Dichloropropane	4.859	77	184121	9.979	ug/L		92
30) Bromochloromethane	4.952	128	48330	10.289	ug/L		98
31) Cyclohexane	4.958	56	251993	10.406	ug/L		100
32) Chloroform	5.029	83	217648	9.871	ug/L		98
33) Ethyl acetate	5.149	43	55920	8.869	ug/L	#	93
34) Carbon tetrachloride	5.171	117	168699	9.616	ug/L		99
35) Tetrahydrofuran	5.187	42	19369	8.823	ug/L		92
37) 1,1,1-Trichloroethane	5.241	97	206992	9.937	ug/L		100
39) 2-Butanone	5.345	43	19852	8.879	ug/L	#	60
40) 1,1-Dichloropropene	5.372	75	183443	10.951	ug/L		98
41) Benzene	5.629	78	489811	9.901	ug/L		98
42) tert-Amyl methyl ether	5.743	73	246559	9.403	ug/L		93
44) 1,2-Dichloroethane	5.853	62	143674	9.769	ug/L		99
47) Methyl cyclohexane	6.251	83	207515	10.304	ug/L		98
48) Trichloroethene	6.267	95	129576	9.825	ug/L		94
50) Dibromomethane	6.742	93	51131	9.607	ug/L		99
51) 1,2-Dichloropropane	6.851	63	117696	10.034	ug/L		97
53) 2-Chloroethyl vinyl ether	7.604	63	47034	12.092	ug/L		90
54) Bromodichloromethane	6.933	83	145470	9.715	ug/L		100
57) 1,4-Dioxane	7.157	88	15658	412.664	ug/L		96
58) cis-1,3-Dichloropropene	7.675	75	167099	9.844	ug/L		95
61) Toluene	7.964	92	301956	9.930	ug/L		97
62) 4-Methyl-2-pentanone	8.439	58	18334	9.118	ug/L		85
63) Tetrachloroethene	8.444	166	119512	10.386	ug/L		99
65) trans-1,3-Dichloropropene	8.493	75	129665	9.701	ug/L		95
67) Ethyl methacrylate	8.690	69	80276	9.156	ug/L		95
68) 1,1,2-Trichloroethane	8.690	83	56467	9.541	ug/L		98
69) Chlorodibromomethane	8.925	129	82059	9.885	ug/L		99
70) 1,3-Dichloropropane	9.045	76	124332	10.018	ug/L		100
71) 1,2-Dibromoethane	9.225	107	61624	9.785	ug/L		100
72) 2-Hexanone	9.541	43	27739	8.854	ug/L		93
73) Chlorobenzene	9.934	112	308080	9.889	ug/L		97
74) Ethylbenzene	9.972	91	596511	9.863	ug/L		97
75) 1,1,1,2-Tetrachloroethane	10.021	131	100359	9.670	ug/L		97
76) p/m Xylene	10.169	106	428378	19.091	ug/L		92
77) o Xylene	10.736	106	403771	18.983	ug/L		90
78) Styrene	10.807	104	650534	18.431	ug/L		97
80) Bromoform	10.834	173	39762	9.691	ug/L		100
82) Isopropylbenzene	11.129	105	528709	9.896	ug/L		100
84) Bromobenzene	11.609	156	107699	10.434	ug/L		98
85) n-Propylbenzene	11.642	91	655532	10.028	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A17.d
Acq On : 9 Aug 2016 21:50
Operator : VOA101:MS
Sample : CSTDL3
Misc : WG921955,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 11 13:31:04 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
86)	1,4-Dichlorobutane	11.669	55	119761	9.619	ug/L		99
87)	1,1,2,2-Tetrachloroethane	11.740	83	64814	10.468	ug/L		99
88)	4-Ethyltoluene	11.778	105	553874	10.653	ug/L		99
89)	2-Chlorotoluene	11.827	91	313379	8.122	ug/L		95
90)	1,3,5-Trimethylbenzene	11.882	105	427885	9.991	ug/L	#	65
91)	1,2,3-Trichloropropane	11.893	75	52880	9.435	ug/L		97
92)	trans-1,4-Dichloro-2-b...	11.947	53	18860	9.345	ug/L	#	92
93)	4-Chlorotoluene	12.029	91	382613	10.259	ug/L	#	100
94)	tert-Butylbenzene	12.253	119	361341	10.248	ug/L		97
97)	1,2,4-Trimethylbenzene	12.335	105	422500	10.258	ug/L		99
98)	sec-Butylbenzene	12.460	105	522402	10.000	ug/L		99
99)	p-Isopropyltoluene	12.624	119	429376	10.186	ug/L		97
100)	1,3-Dichlorobenzene	12.711	146	204001	10.170	ug/L		99
101)	1,4-Dichlorobenzene	12.815	146	197636	9.941	ug/L		99
102)	p-Diethylbenzene	13.033	119	241755	10.166	ug/L		98
103)	n-Butylbenzene	13.099	91	386462	10.275	ug/L		97
104)	1,2-Dichlorobenzene	13.284	146	164693	10.159	ug/L		100
105)	1,2,4,5-Tetramethylben...	13.912	119	303492	10.270	ug/L		99
106)	1,2-Dibromo-3-chloropr...	14.141	155	5939	10.494	ug/L		98
107)	1,3,5-Trichlorobenzene	14.179	180	92799	9.905	ug/L		98
108)	Hexachlorobutadiene	14.806	225	33000	11.003	ug/L		99
109)	1,2,4-Trichlorobenzene	14.850	180	60071	10.356	ug/L		99
110)	Naphthalene	15.183	128	91113	10.464	ug/L		100
111)	1,2,3-Trichlorobenzene	15.379	180	34132	10.386	ug/L		99

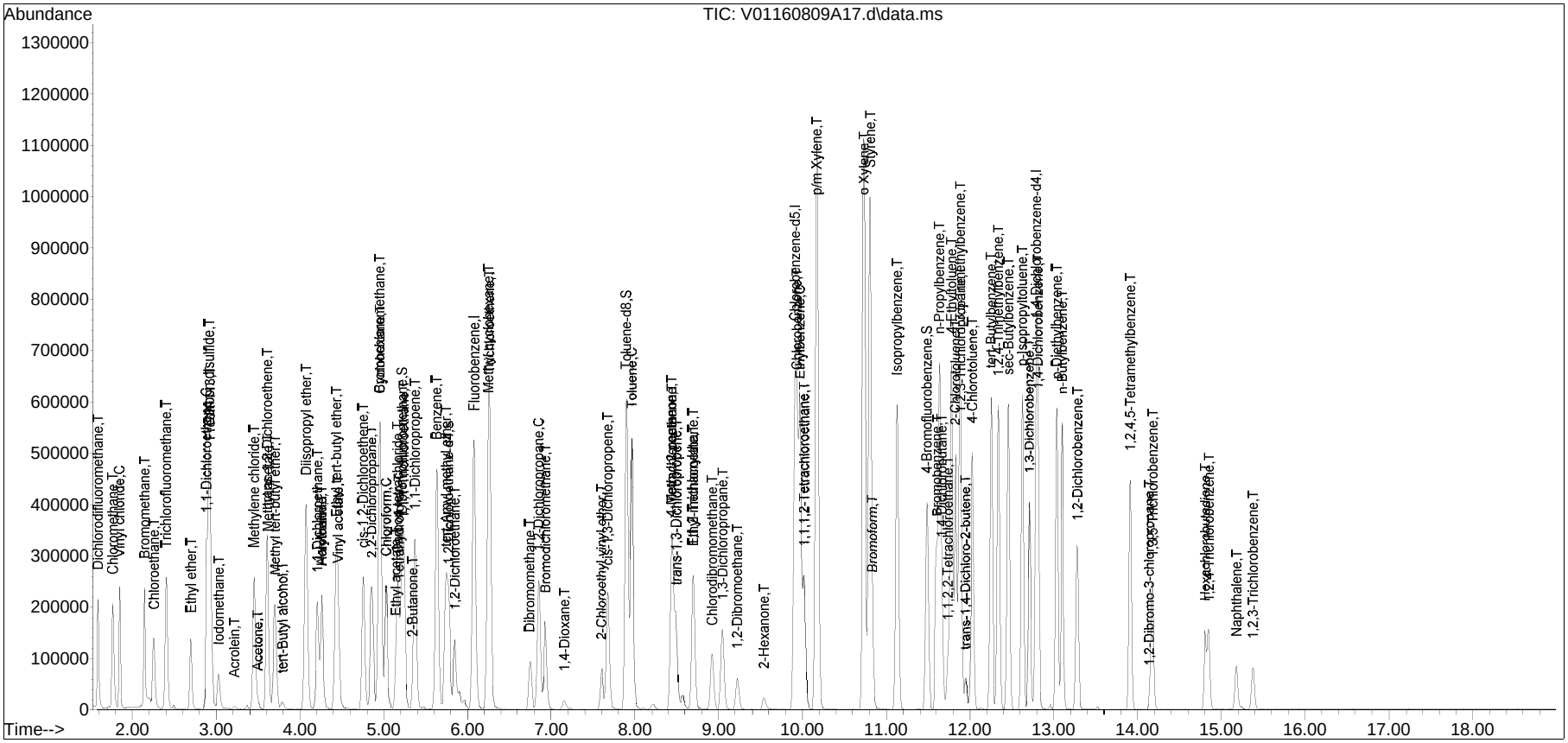
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160809A\
Data File : V01160809A17.d
Acq On : 9 Aug 2016 21:50
Operator : VOA101:MS
Sample : CSTDL3
Misc : WG921955,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 11 13:31:04 2016
Quant Method : I:\VOLATILES\VOA101\2016\160809A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox



Manual Integration Report

Data Path	: I:\VOLATILES\VOA101\2016\1	QMethod	: V101_160809_8260.m
Data File	: V01160809A17.d	Operator	: VOA101:MS
Date Inj'd	: 8/9/2016 21:50	Instrument	: VOA 101
Sample	: CSTDL3	Quant Date	: 8/11/2016 1:31 pm

There are no manual integrations or false positives in this file.

Work Group

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 19 2016, 01:28 pm

Work Group: WG923932 for Department: 31 GC/MS - Volatiles

Created: 18-AUG-16 Due: Operator: PD

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1625236-01	EB 20160811	S	8260	WATER	DONE	U	0825	0819	2E	Vial-B
L1625236-02	SW1A-20160810	S	8260	WATER	DONE	U	0824	0819	2E	Vial-B
L1625236-03	SW1B-20160810	S	8260	WATER	DONE	U	0824	0819	2E	Vial-B
L1625236-04	SW1C-20160810	S	8260	WATER	DONE	U	0824	0819	2E	Vial-B
L1625236-05	SW2A-20160810	S	8260	WATER	DONE	U	0824	0819	2E	Vial-B
L1625236-06	SW2B-20160810	S	8260	WATER	DONE	U	0824	0819	2E	Vial-B
L1625236-07	SW2C-20160810	S	8260	WATER	DONE	U	0824	0819	2E	Vial-B
L1625236-08	SW3A-20160810	S	8260	WATER	DONE	U	0824	0819	2E	Vial-B
L1625236-09	SW3B-20160810	S	8260	WATER	DONE	U	0824	0819	2E	Vial-B
L1625236-10	SW3C-20160810	S	8260	WATER	DONE	U	0824	0819	2E	Vial-B
L1625236-11	DUP-20160810	S	8260	WATER	DONE	U	0824	0819	2E	Vial-B
L1625236-12	TRIP BLANK-20160811	S	8260	WATER	DONE	U	0825	0819	2E	Vial-B
WG923932-1	MS BFB Tune Standard	S	8260	WATER	DONE	U				
WG923932-2	Continuing Calibrati	S	8260	WATER	DONE	U				
WG923932-3	Laboratory Control S	S	8260	WATER	DONE	U				
WG923932-4	LCS Duplicate	S	8260	WATER	DONE	U				
WG923932-5	Laboratory Method Bl	S	8260	WATER	DONE	U				
WG923932-6	Matrix Spike	S	8260	WATER	DONE	U				
WG923932-7	Matrix Spike Duplica	S	8260	WATER	DONE	U				

Comments:

WG923932-4	WG923932-3
WG923932-6	L1625236-03
WG923932-7	L1625236-03

Sequence Logs

Method

Inst: Voa101 BFB: V5793 GC: 8260

Initials: PK IS/SS: V5791 Autosampler: 8260 liquid IS2

Date: **08/08/16** ICAL: V5796, V5808, V5794 Concentrator: 8260water

Run: **A** ICV: V5780, V5753, V5783, V5797, V5754, V5794 QC:_____ Seq:_____

Vial	Data File	Sample	obs
1	V01160808ABF1	BFB TUNE	
1	V01160808A01	BLK	
2	V01160808A02	BLK	
3	V01160808A03	ISTDL11	
4	V01160808A04	ISTDL1	
5	V01160808A05	ISTDL1	
6	V01160808A06	ISTDL2	
7	V01160808A07	ISTDL2	
8	V01160808A08	ISTDL3	
9	V01160808A09	ISTDL4	
10	V01160808A10	ISTDL6	
11	V01160808A11	ISTDL8	
12	V01160808A12	ISTDL10	
13	V01160808A13	BLK	
14	V01160808A14	BLK	
15	V01160808A15	BLK	
16	V01160808A16	BLK	
17	V01160808A17	BLK	
18	V01160808A18	CSTDL3	
19	V01160808A19	CSTDL3	
20	V01160808A20	BLK	

Inst: Voa101 BFB: V5793 Method GC: 8260
Initials: PD IS/SS: V5791 Autosampler: 8260 liquid IS2
Date: **08/18/16** ICAL: V5796, V5808, V5794 Concentrator: 8260water
Run: **A** ICV: V5780, V5753, V5783, V5797, V5754, V5794 QC:_____ Seq:_____

Vial	Data File	Sample		obs
1	V01160818BF1	BFB TUNE 07:58		
1	V01160818A01	8260 CCAL		
2	V01160818A02	8260 CCAL LCS		
3	V01160818A03	8260 CCAL LCSD		
4	V01160818A04	BLK		
5	V01160818A05	METHOD BLK		
6	V01160818A06	I1625236-01,31,10,10,,a	8260CURVE	pH<2
7	V01160818A07	I1625236-12,31,10,10,,a	8260CURVE	pH<2
8	V01160818A08	I1625236-02,31,10,10,,a	8260CURVE	pH<2
9	V01160818A09	I1625236-03,31,10,10,,a	8260CURVE	pH<2
10	V01160818A10	I1625236-04,31,10,10,,a	8260CURVE	pH<2
11	V01160818A11	I1625236-05,31,10,10,,a	8260CURVE	pH<2
12	V01160818A12	I1625236-06,31,10,10,,a	8260CURVE	pH<2
13	V01160818A13	I1625236-07,31,10,10,,a	8260CURVE	pH<2
14	V01160818A14	I1625236-08,31,10,10,,a	8260CURVE	pH<2
15	V01160818A15	I1625236-09,31,10,10,,a	8260CURVE	pH<2
16	V01160818A16	I1625236-10,31,10,10,,a	8260CURVE	pH<2
17	V01160818A17	I1625236-11,31,10,10,,a	8260CURVE	pH<2
18	V01160818A18	I1625236-03MS,31,10,10,,a1	8260CURVE	pH<2
19	V01160818A19	I1625236-03MSD,31,10,10,,a2	8260CURVE	pH<2

Analytical Event

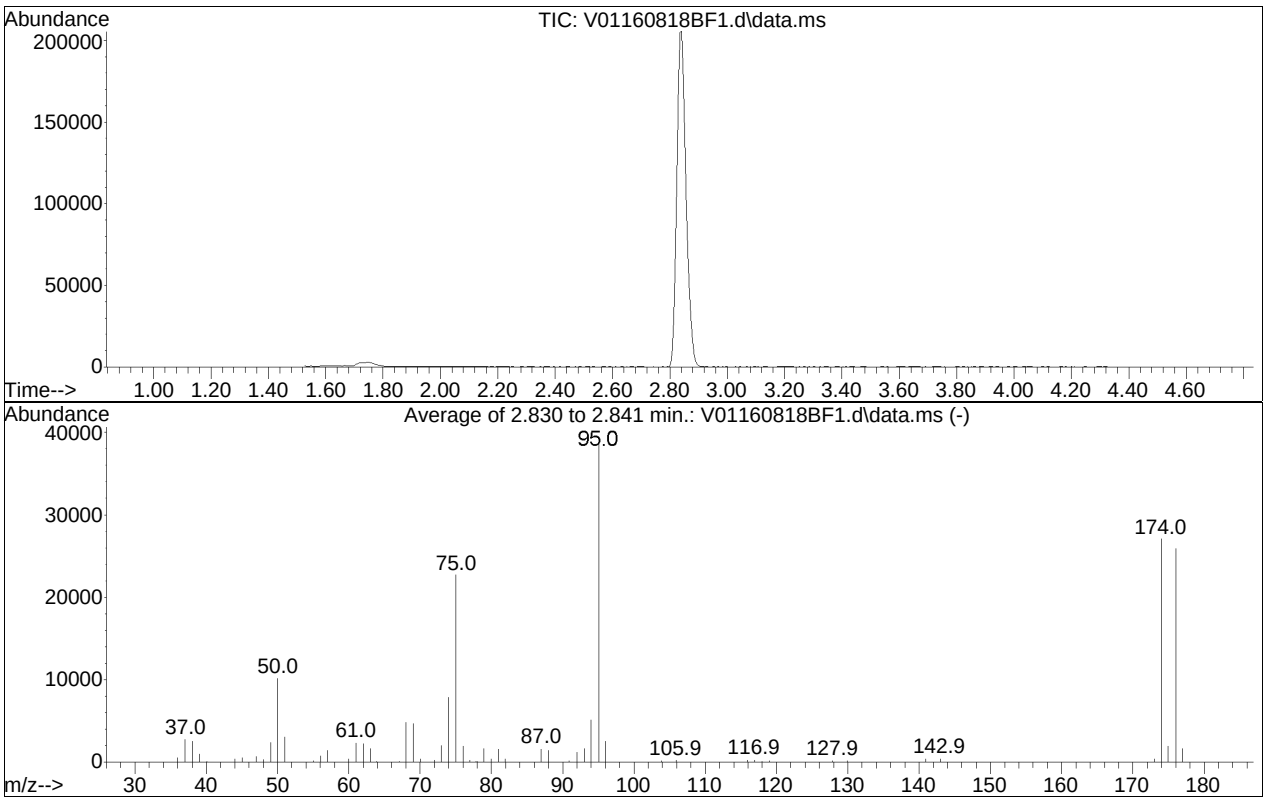
Continuing Calibration
BFB Tune

BFB

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818BF1.d
Acq On : 18 Aug 2016 7:58 am
Operator : VOA101:PD
Sample : WG923932-1
Misc : WG923932
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Aug 11 13:30:16 2016



AutoFind: Scans 240, 241, 242; Background Corrected with Scan 232

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	26.2	10151	PASS
75	95	30	60	58.8	22787	PASS
95	95	100	100	100.0	38757	PASS
96	95	5	9	6.7	2578	PASS
173	174	0.00	2	1.4	378	PASS
174	95	50	100	69.9	27093	PASS
175	174	5	9	7.2	1941	PASS
176	174	95	101	95.7	25941	PASS
177	176	5	9	6.4	1669	PASS

Continuing Calibration

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A02.d
Acq On : 18 Aug 2016 8:40 am
Operator : VOA101:PD
Sample : WG923932-2
Misc : WG923932,ICAL12752
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 09:05:47 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene		1.000	1.000	0.0	118	0.00
2	T	Dichlorodifluoromethane		0.216	0.169	21.8#	81	0.02
3	T	Chloromethane		0.290	0.259	10.7	99	0.02
4	C	Vinyl chloride		0.298	0.289	3.0	99	0.02
5	T	Bromomethane		0.175	0.154	12.0	122	0.02
6	T	Chloroethane		0.198	0.181	8.6	93	0.02
7	T	Trichlorofluoromethane		0.344	0.329	4.4	103	0.02
8	T	Ethyl ether		0.093	0.073	21.5#	87	0.02
10	C	1,1-Dichloroethene		0.199	0.186	6.5	103	0.02
11	T	Carbon disulfide		0.699	0.641	8.3	108	0.02
12	T	Freon-113		0.186	0.176	5.4	103	0.02
13	T	Iodomethane	*	10.000	6.804	32.0#	98	0.02
14	T	Acrolein	*	10.000	8.077	19.2	96	0.01
15	T	Methylene chloride		0.213	0.199	6.6	109	0.02
17	T	Acetone	*	10.000	9.024	9.8	98	0.02
18	T	trans-1,2-Dichloroethene		0.215	0.211	1.9	110	0.01
19	T	Methyl acetate		0.071	0.055	22.5#	92	0.01
20	T	Methyl tert-butyl ether		0.424	0.319	24.8#	84	0.01
21	T	tert-Butyl alcohol	*	50.000	59.244	-18.5	163	0.00
22	T	Diisopropyl ether		0.769	0.675	12.2	99	0.01
23	T	1,1-Dichloroethane		0.410	0.407	0.7	112	0.01
24	T	Halothane		0.141	0.134	5.0	105	0.01
25	T	Acrylonitrile	*	10.000	8.066	19.3	93	0.01
26	T	Ethyl tert-butyl ether		0.609	0.476	21.8#	90	0.01
27	T	Vinyl acetate		0.371	0.306	17.5	91	0.01
28	T	cis-1,2-Dichloroethene		0.227	0.218	4.0	109	0.01
29	T	2,2-Dichloropropane		0.322	0.349	-8.4	117	0.00
30	T	Bromochloromethane		0.082	0.073	11.0	97	0.01
31	T	Cyclohexane		0.422	0.399	5.5	105	0.01
32	C	Chloroform		0.385	0.368	4.4	109	0.01
33	T	Ethyl acetate		0.110	0.083	24.5#	86	0.01
34	T	Carbon tetrachloride		0.306	0.286	6.5	104	0.00
35	T	Tetrahydrofuran		0.038	0.030	21.1#	89	0.00
36	S	Dibromofluoromethane		0.256	0.236	7.8	110	0.00
37	T	1,1,1-Trichloroethane		0.363	0.351	3.3	108	0.00
39	T	2-Butanone	*	10.000	9.061	9.4	91	0.00
40	T	1,1-Dichloropropene		0.292	0.281	3.8	106	0.00
41	T	Benzene		0.863	0.834	3.4	111	0.00
42	T	tert-Amyl methyl ether		0.457	0.338	26.0#	84	0.00

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A02.d
Acq On : 18 Aug 2016 8:40 am
Operator : VOA101:PD
Sample : WG923932-2
Misc : WG923932,ICAL12752
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 09:05:47 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.294	0.250	15.0	103	0.01
44	T	1,2-Dichloroethane	0.256	0.223	12.9	98	0.00
47	T	Methyl cyclohexane	0.351	0.311	11.4	101	0.00
48	T	Trichloroethene	0.230	0.214	7.0	108	0.00
50	T	Dibromomethane	0.093	0.076	18.3	92	0.00
51	C	1,2-Dichloropropane	0.205	0.192	6.3	105	0.01
53	T	2-Chloroethyl vinyl ether	0.068	0.052	23.5#	75	0.00
54	T	Bromodichloromethane	0.261	0.232	11.1	99	0.00
57	T	1,4-Dioxane	0.00066	0.00051	22.7#	83	0.00
58	T	cis-1,3-Dichloropropene	0.296	0.263	11.1	99	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	116	0.00
60	S	Toluene-d8	1.348	1.391	-3.2	117	0.00
61	C	Toluene	0.766	0.749	2.2	108	0.00
62	T	4-Methyl-2-pentanone	* 10.000	6.729	32.7#	75	0.00
63	T	Tetrachloroethene	0.290	0.270	6.9	101	0.00
65	T	trans-1,3-Dichloropropene	0.337	0.291	13.6	95	0.00
67	T	Ethyl methacrylate	0.221	0.171	22.6#	84	0.00
68	T	1,1,2-Trichloroethane	0.149	0.123	17.4	89	0.00
69	T	Chlorodibromomethane	0.209	0.175	16.3	90	0.00
70	T	1,3-Dichloropropane	0.313	0.268	14.4	92	0.00
71	T	1,2-Dibromoethane	0.159	0.131	17.6	89	0.00
72	T	2-Hexanone	* 10.000	7.902	21.0#	85	0.00
73	T	Chlorobenzene	0.785	0.734	6.5	103	0.00
74	C	Ethylbenzene	1.524	1.471	3.5	109	0.00
75	T	1,1,1,2-Tetrachloroethane	0.261	0.228	12.6	97	0.00
76	T	p/m Xylene	0.565	0.522	7.6	108	0.00
77	T	o Xylene	0.536	0.482	10.1	104	0.00
78	T	Styrene	0.889	0.763	14.2	100	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
80	T	Bromoform	0.234	0.194	17.1	85	0.00
82	T	Isopropylbenzene	3.042	3.135	-3.1	103	0.00
83	S	4-Bromofluorobenzene	0.996	1.105	-10.9	113	0.00
84	T	Bromobenzene	0.588	0.569	3.2	97	0.00
85	T	n-Propylbenzene	3.722	3.842	-3.2	104	0.00
86	T	1,4-Dichlorobutane	0.709	0.640	9.7	90	0.00
87	T	1,1,2,2-Tetrachloroethane	0.352	0.296	15.9	80	0.00
88	T	4-Ethyltoluene	2.960	3.059	-3.3	104	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A02.d
Acq On : 18 Aug 2016 8:40 am
Operator : VOA101:PD
Sample : WG923932-2
Misc : WG923932,ICAL12752
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 09:05:47 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
89	T	2-Chlorotoluene	2.197	2.287	-4.1	103	0.00
90	T	1,3,5-Trimethylbenzene	2.438	2.431	0.3	102	0.00
91	T	1,2,3-Trichloropropane	0.319	0.276	13.5	85	0.00
92	T	trans-1,4-Dichloro-2-butene *	10.000	8.315	16.9	78	0.00
93	T	4-Chlorotoluene	2.123	2.179	-2.6	103	0.00
94	T	tert-Butylbenzene	2.007	2.012	-0.2	99	0.00
97	T	1,2,4-Trimethylbenzene	2.345	2.348	-0.1	100	0.00
98	T	sec-Butylbenzene	2.974	2.971	0.1	100	0.00
99	T	p-Isopropyltoluene	2.400	2.407	-0.3	98	0.00
100	T	1,3-Dichlorobenzene	1.142	1.089	4.6	95	0.00
101	T	1,4-Dichlorobenzene	1.132	1.064	6.0	94	0.00
102	T	p-Diethylbenzene	1.354	1.337	1.3	97	0.00
103	T	n-Butylbenzene	2.141	2.182	-1.9	100	0.00
104	T	1,2-Dichlorobenzene	0.923	0.827	10.4	88	0.00
105	T	1,2,4,5-Tetramethylbenzene	1.682	1.542	8.3	88	0.00
106	T	1,2-Dibromo-3-chloropropane *	10.000	7.477	25.2#	74	0.00
107	T	1,3,5-Trichlorobenzene	0.533	0.479	10.1	85	0.00
108	T	Hexachlorobutadiene	0.171	0.188	-9.9	107	0.00
109	T	1,2,4-Trichlorobenzene	0.330	0.236	28.5#	65	0.00
110	T	Naphthalene	0.496	0.261	47.4#	50#	0.00
111	T	1,2,3-Trichlorobenzene	0.187	0.093	50.3#	45#	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A02.d
Acq On : 18 Aug 2016 8:40 am
Operator : VOA101:PD
Sample : WG923932-2
Misc : WG923932,ICAL12752
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 09:05:47 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.087	96	614919	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.906	117	416180	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	12.793	152	172755	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	5.225	113	145084	9.217	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.17%			
43) 1,2-Dichloroethane-d4	5.787	65	153954	8.507	ug/L	0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.07%			
60) Toluene-d8	7.904	98	578856	10.316	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.16%			
83) 4-Bromofluorobenzene	11.483	95	190928	11.095	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.95%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.607	85	103847	7.806	ug/L	99
3) Chloromethane	1.793	50	159219	8.919	ug/L	97
4) Vinyl chloride	1.869	62	177862	9.713	ug/L	96
5) Bromomethane	2.169	94	94632	8.810	ug/L	99
6) Chloroethane	2.284	64	111233	9.138	ug/L	100
7) Trichlorofluoromethane	2.420	101	202305	9.553	ug/L	100
8) Ethyl ether	2.709	74	44985	7.889	ug/L	95
10) 1,1-Dichloroethene	2.906	96	114604	9.371	ug/L	92
11) Carbon disulfide	2.939	76	394211	9.165	ug/L	100
12) Freon-113	2.950	101	107926	9.435	ug/L #	57
13) Iodomethane	3.048	142	82301	6.804	ug/L	96
14) Acrolein	3.233	56	7775M1	8.077	ug/L	
15) Methylene chloride	3.468	84	122274	9.322	ug/L	99
17) Acetone	3.512	43	15065	9.024	ug/L	96
18) trans-1,2-Dichloroethene	3.621	96	129851	9.818	ug/L	98
19) Methyl acetate	3.626	43	33901M1	7.742	ug/L	
20) Methyl tert-butyl ether	3.708	73	196032	7.513	ug/L	96
21) tert-Butyl alcohol	3.801	59	17554	59.244	ug/L #	91
22) Diisopropyl ether	4.079	45	415307	8.780	ug/L	99
23) 1,1-Dichloroethane	4.221	63	250199	9.917	ug/L	99
24) Halothane	4.270	117	82407	9.485	ug/L	100
25) Acrylonitrile	4.275	53	18208	8.066	ug/L	93
26) Ethyl tert-butyl ether	4.445	59	292742	7.811	ug/L	99
27) Vinyl acetate	4.466	43	188465	8.252	ug/L	98
28) cis-1,2-Dichloroethene	4.761	96	133924	9.583	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A02.d
Acq On : 18 Aug 2016 8:40 am
Operator : VOA101:PD
Sample : WG923932-2
Misc : WG923932,ICAL12752
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 09:05:47 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2,2-Dichloropropane	4.865	77	214594	10.845	ug/L		95
30) Bromochloromethane	4.963	128	44745	8.883	ug/L		92
31) Cyclohexane	4.963	56	245439	9.451	ug/L		96
32) Chloroform	5.039	83	226222	9.567	ug/L		99
33) Ethyl acetate	5.159	43	51222	7.575	ug/L	#	96
34) Carbon tetrachloride	5.176	117	175879	9.348	ug/L		99
35) Tetrahydrofuran	5.198	42	18262	7.757	ug/L		97
37) 1,1,1-Trichloroethane	5.247	97	215798	9.661	ug/L		99
39) 2-Butanone	5.356	43	21695M1	9.061	ug/L		
40) 1,1-Dichloropropene	5.378	75	172649	9.610	ug/L		97
41) Benzene	5.640	78	512800	9.665	ug/L		99
42) tert-Amyl methyl ether	5.749	73	207648	7.384	ug/L		94
44) 1,2-Dichloroethane	5.858	62	137273	8.703	ug/L		97
47) Methyl cyclohexane	6.256	83	191097	8.848	ug/L		99
48) Trichloroethene	6.273	95	131735	9.314	ug/L		93
50) Dibromomethane	6.747	93	46926	8.222	ug/L		97
51) 1,2-Dichloropropane	6.862	63	118040	9.384	ug/L		98
53) 2-Chloroethyl vinyl ether	7.609	63	31837	7.632	ug/L		92
54) Bromodichloromethane	6.933	83	142437	8.870	ug/L		99
57) 1,4-Dioxane	7.156	88	15807M1	388.461	ug/L		
58) cis-1,3-Dichloropropene	7.680	75	161422	8.867	ug/L		96
61) Toluene	7.964	92	311547	9.772	ug/L		97
62) 4-Methyl-2-pentanone	8.433	58	13991	6.729	ug/L		96
63) Tetrachloroethene	8.450	166	112260	9.304	ug/L		93
65) trans-1,3-Dichloropropene	8.493	75	121065	8.638	ug/L		96
67) Ethyl methacrylate	8.690	69	71168	7.742	ug/L		94
68) 1,1,2-Trichloroethane	8.695	83	51328	8.272	ug/L		95
69) Chlorodibromomethane	8.919	129	72924	8.378	ug/L		98
70) 1,3-Dichloropropane	9.044	76	111626	8.578	ug/L		100
71) 1,2-Dibromoethane	9.224	107	54575	8.265	ug/L		100
72) 2-Hexanone	9.546	43	25856M1	7.902	ug/L		
73) Chlorobenzene	9.928	112	305295	9.346	ug/L		94
74) Ethylbenzene	9.972	91	612237	9.654	ug/L		96
75) 1,1,1,2-Tetrachloroethane	10.021	131	94852	8.717	ug/L		99
76) p/m Xylene	10.168	106	434673	18.475	ug/L		91
77) o Xylene	10.730	106	400823	17.972	ug/L		88
78) Styrene	10.801	104	634913	17.156	ug/L		95
80) Bromoform	10.834	173	33591	8.324	ug/L		100
82) Isopropylbenzene	11.129	105	541519	10.305	ug/L		99
84) Bromobenzene	11.603	156	98338	9.686	ug/L		99
85) n-Propylbenzene	11.642	91	663811	10.325	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A02.d
Acq On : 18 Aug 2016 8:40 am
Operator : VOA101:PD
Sample : WG923932-2
Misc : WG923932,ICAL12752
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 09:05:47 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
86)	1,4-Dichlorobutane	11.669	55	110506	9.024	ug/L		98
87)	1,1,2,2-Tetrachloroethane	11.734	83	51068	8.386	ug/L		99
88)	4-Ethyltoluene	11.773	105	528488	10.335	ug/L		99
89)	2-Chlorotoluene	11.827	91	395123M1	10.412	ug/L		
90)	1,3,5-Trimethylbenzene	11.882	105	419882	9.969	ug/L	#	66
91)	1,2,3-Trichloropropane	11.893	75	47728M1	8.658	ug/L		
92)	trans-1,4-Dichloro-2-b...	11.947	53	16450M1	8.315	ug/L		
93)	4-Chlorotoluene	12.024	91	376380	10.261	ug/L	#	100
94)	tert-Butylbenzene	12.247	119	347610	10.024	ug/L		96
97)	1,2,4-Trimethylbenzene	12.335	105	405544	10.012	ug/L		98
98)	sec-Butylbenzene	12.460	105	513302	9.991	ug/L		100
99)	p-Isopropyltoluene	12.624	119	415851	10.031	ug/L		97
100)	1,3-Dichlorobenzene	12.711	146	188132	9.536	ug/L		99
101)	1,4-Dichlorobenzene	12.809	146	183792	9.400	ug/L		99
102)	p-Diethylbenzene	13.033	119	230987	9.876	ug/L		98
103)	n-Butylbenzene	13.093	91	376987	10.191	ug/L		97
104)	1,2-Dichlorobenzene	13.284	146	142904	8.963	ug/L		99
105)	1,2,4,5-Tetramethylben...	13.911	119	266386	9.166	ug/L		98
106)	1,2-Dibromo-3-chloropr...	14.146	155	4116	7.477	ug/L		98
107)	1,3,5-Trichlorobenzene	14.179	180	82696	8.975	ug/L		96
108)	Hexachlorobutadiene	14.806	225	32469	11.007	ug/L		99
109)	1,2,4-Trichlorobenzene	14.850	180	40733	7.140	ug/L		97
110)	Naphthalene	15.183	128	45100	5.267	ug/L		100
111)	1,2,3-Trichlorobenzene	15.374	180	16089	4.978	ug/L		99

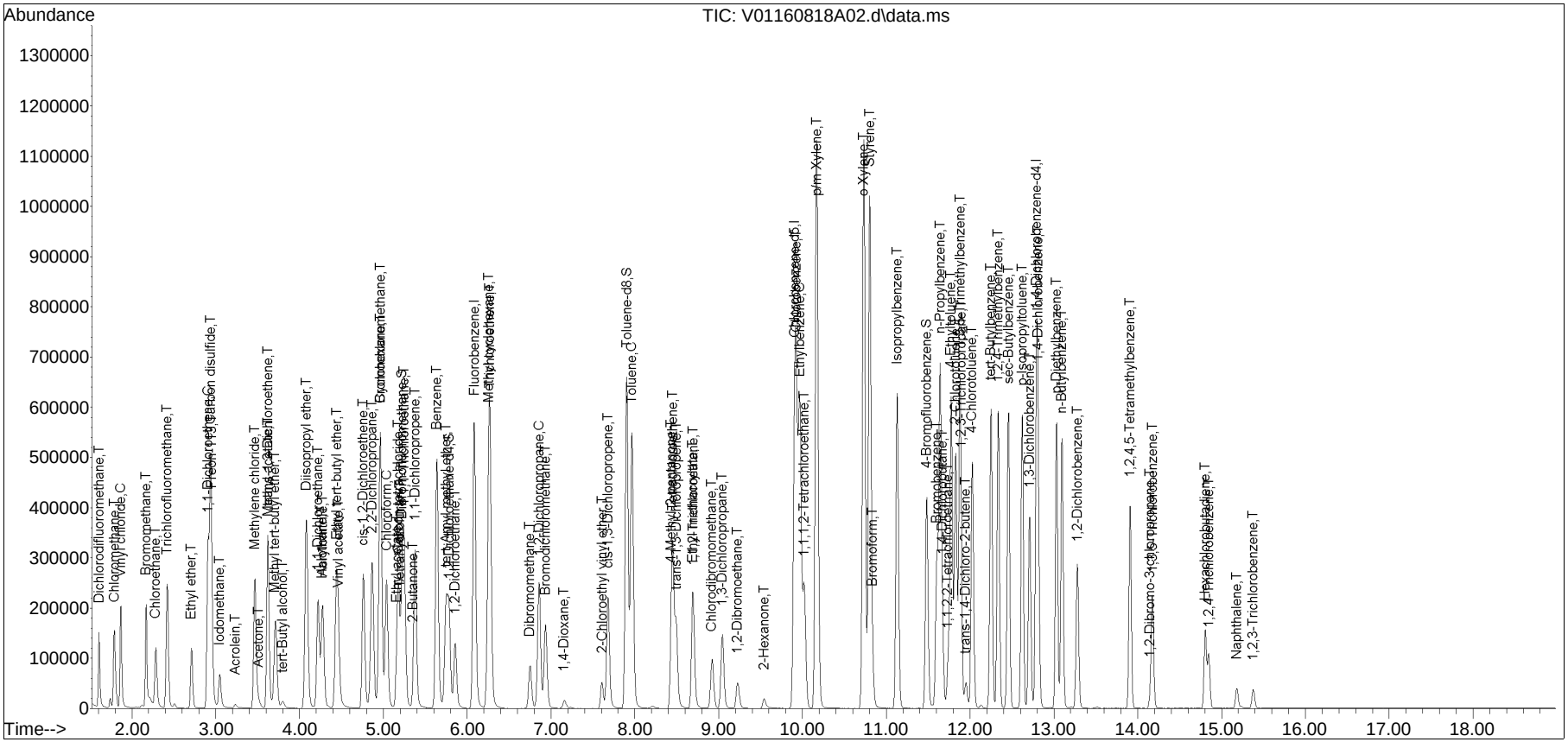
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A02.d
Acq On : 18 Aug 2016 8:40 am
Operator : VOA101:PD
Sample : WG923932-2
Misc : WG923932,ICAL12752
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 09:05:47 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

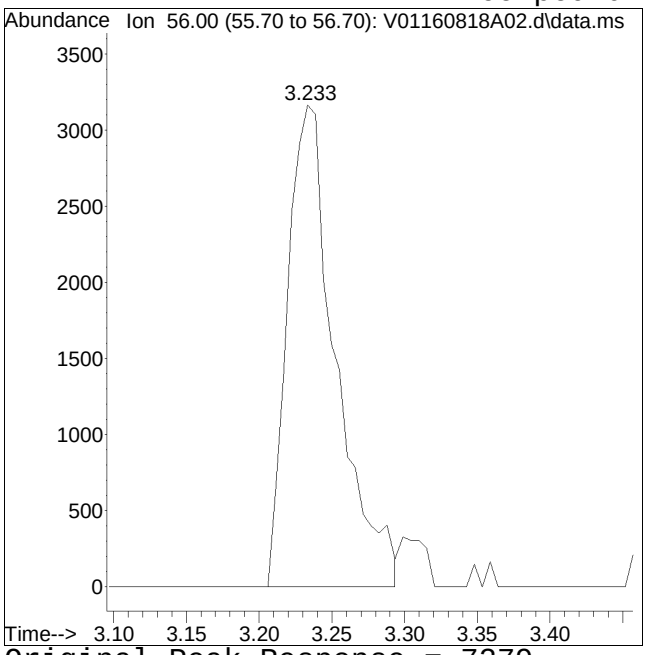
Sub List : 8260-Curve - Megamix plus Diox

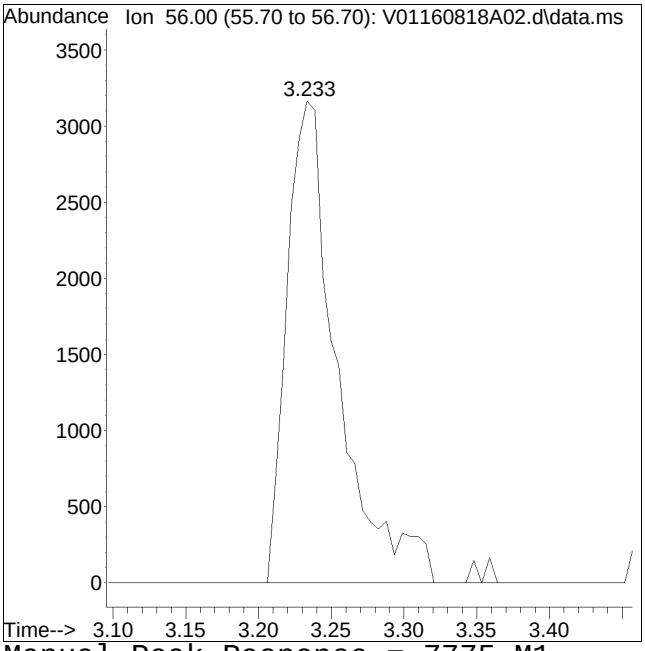


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1QMethod : V101_160809_8260.m
Data File : V01160818A02.d Operator : VOA101:PD
Date Inj'd : 8/18/2016 8:40 am Instrument : VOA 101
Sample : WG923932-2 Quant Date : 8/18/2016 9:03 am

Compound #14: Acrolein





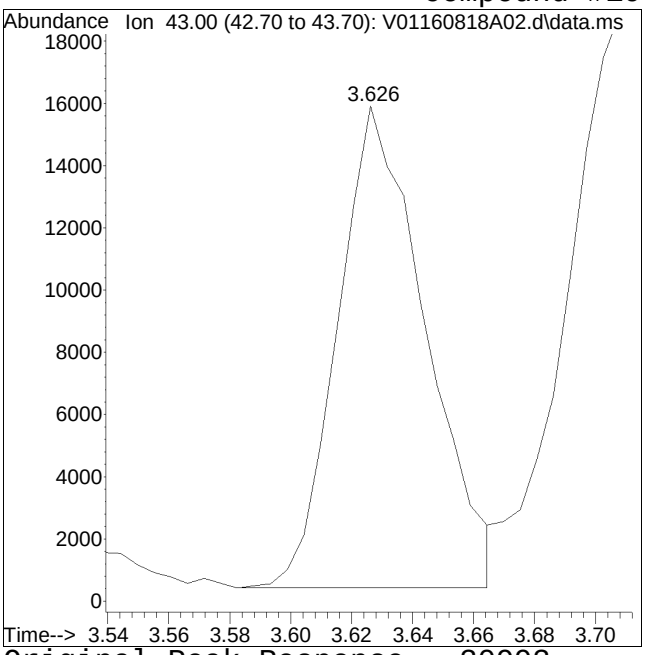
Original Peak Response = 7279 Manual Peak Response = 7775 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

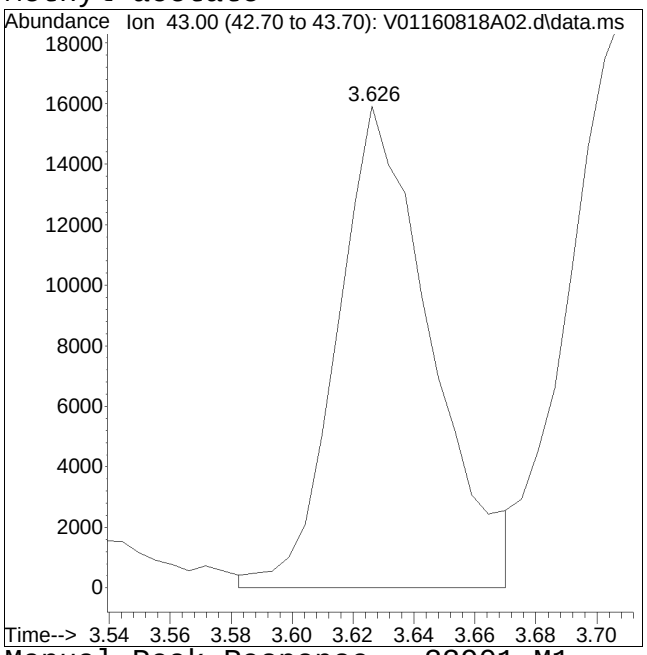
Data Path : I:\VOLATILES\VOA101\2016\1Q
Data File : V01160818A02.d
Date Inj'd : 8/18/2016 8:40 am
Sample : WG923932-2

Method : V101_160809_8260.m
Operator : VOA101:PD
Instrument : VOA 101
Quant Date : 8/18/2016 9:03 am

Compound #19: Methyl acetate



Original Peak Response = 30993



Manual Peak Response = 33901 M1

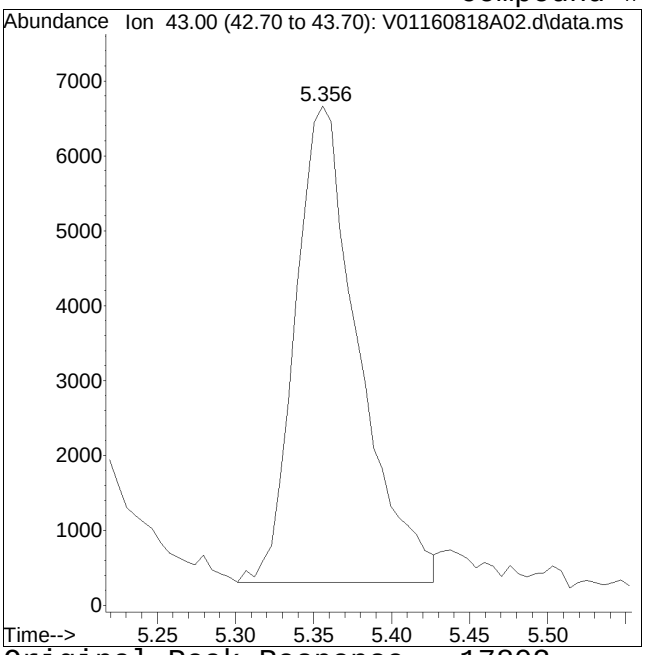
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

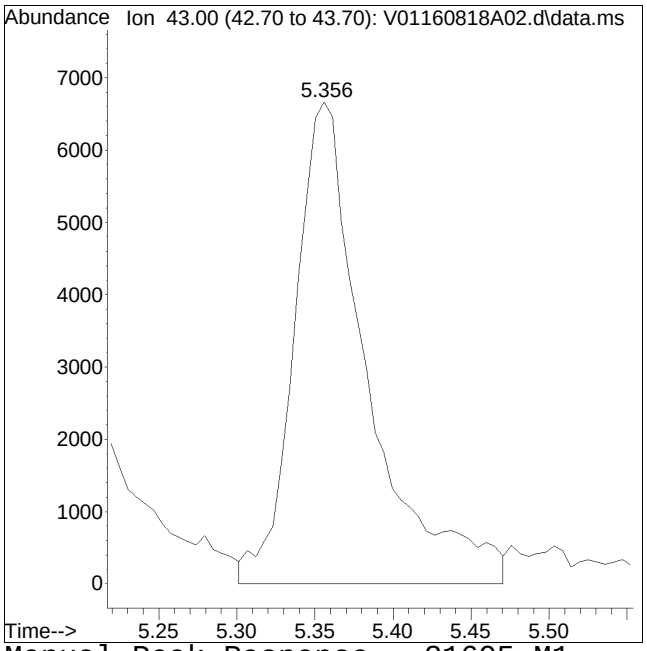
Data Path : I:\VOLATILES\VOA101\2016\1Q
Data File : V01160818A02.d
Date Inj'd : 8/18/2016 8:40 am
Sample : WG923932-2

Method : V101_160809_8260.m
Operator : VOA101:PD
Instrument : VOA 101
Quant Date : 8/18/2016 9:03 am

Compound #39: 2-Butanone



Original Peak Response = 17802



Manual Peak Response = 21695 M1

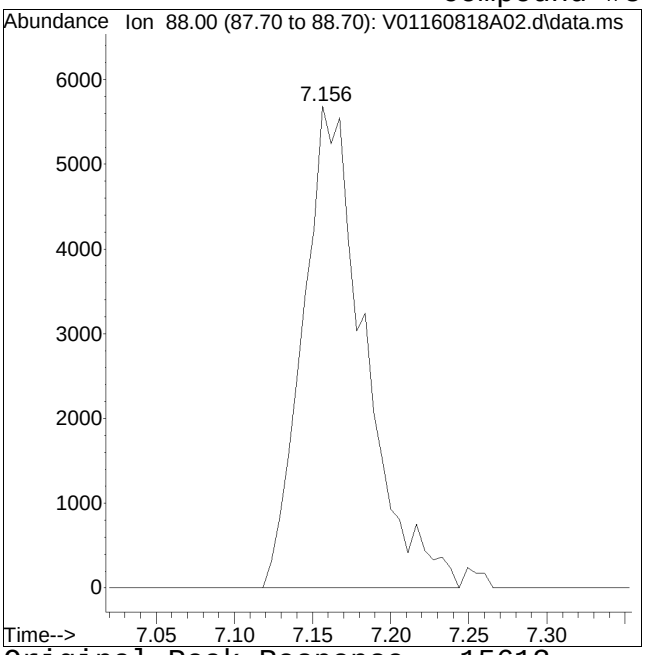
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

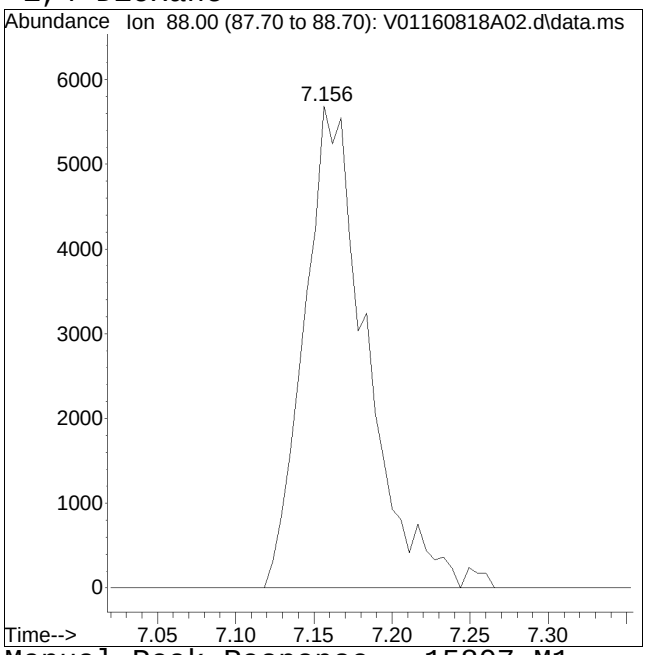
Data Path : I:\VOLATILES\VOA101\2016\1Q
Data File : V01160818A02.d
Date Inj'd : 8/18/2016 8:40 am
Sample : WG923932-2

Method : V101_160809_8260.m
Operator : VOA101:PD
Instrument : VOA 101
Quant Date : 8/18/2016 9:03 am

Compound #57: 1,4-Dioxane



Original Peak Response = 15613



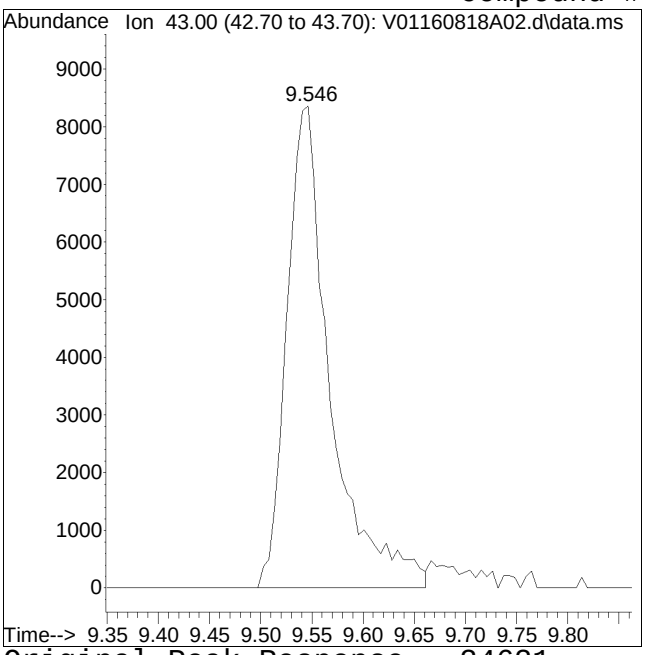
Manual Peak Response = 15807 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

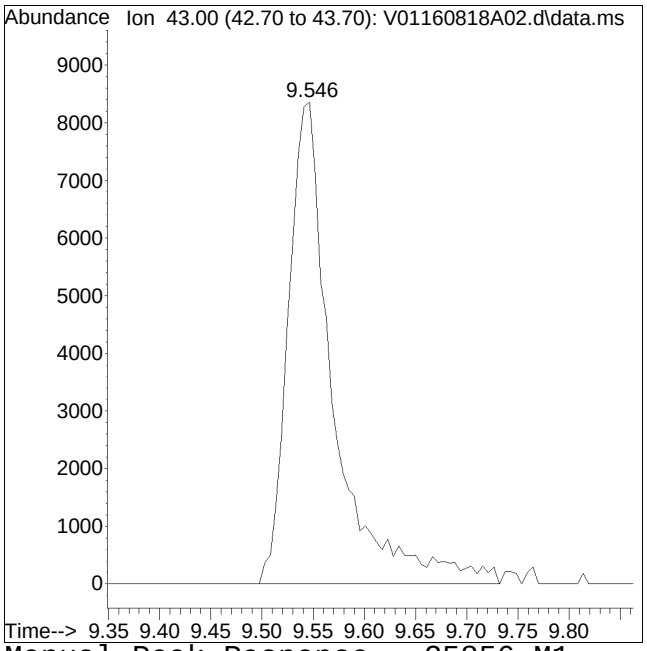
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1QMethod : V101_160809_8260.m
Data File : V01160818A02.d Operator : VOA101:PD
Date Inj'd : 8/18/2016 8:40 am Instrument : VOA 101
Sample : WG923932-2 Quant Date : 8/18/2016 9:03 am

Compound #72: 2-Hexanone



Original Peak Response = 24621



Manual Peak Response = 25856 M1

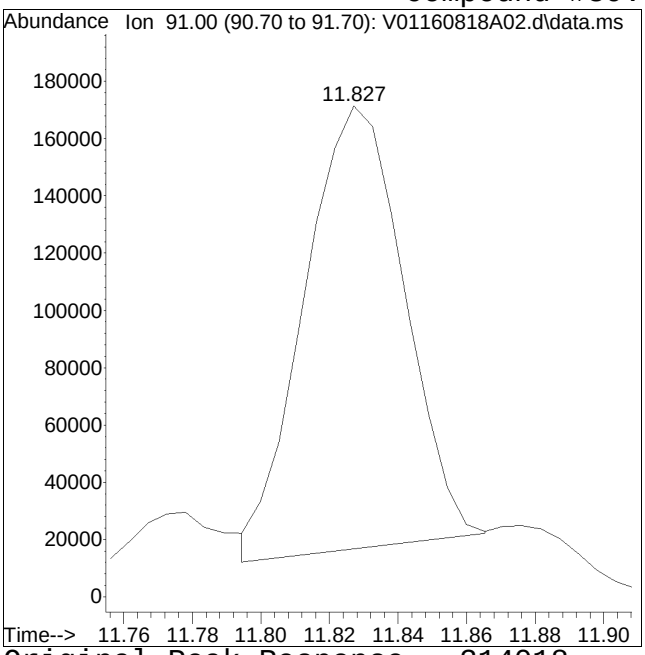
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

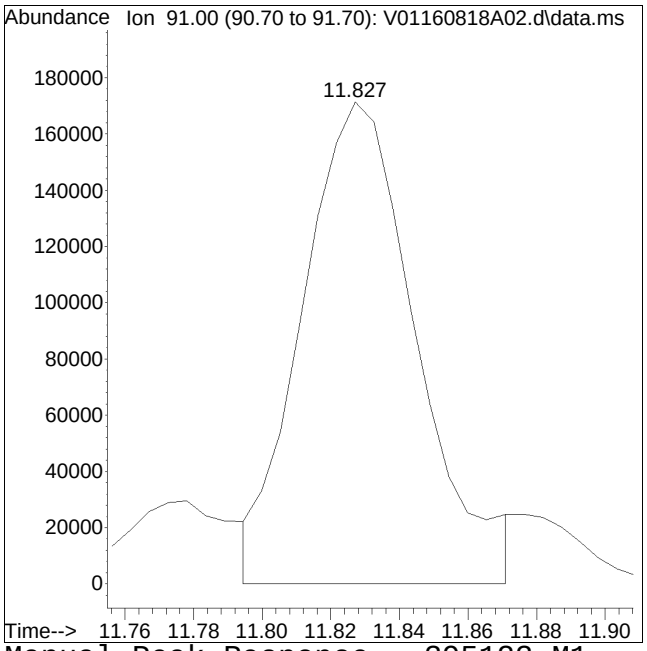
Data Path : I:\VOLATILES\VOA101\2016\1Q
Data File : V01160818A02.d
Date Inj'd : 8/18/2016 8:40 am
Sample : WG923932-2

Method : V101_160809_8260.m
Operator : VOA101:PD
Instrument : VOA 101
Quant Date : 8/18/2016 9:03 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 314018



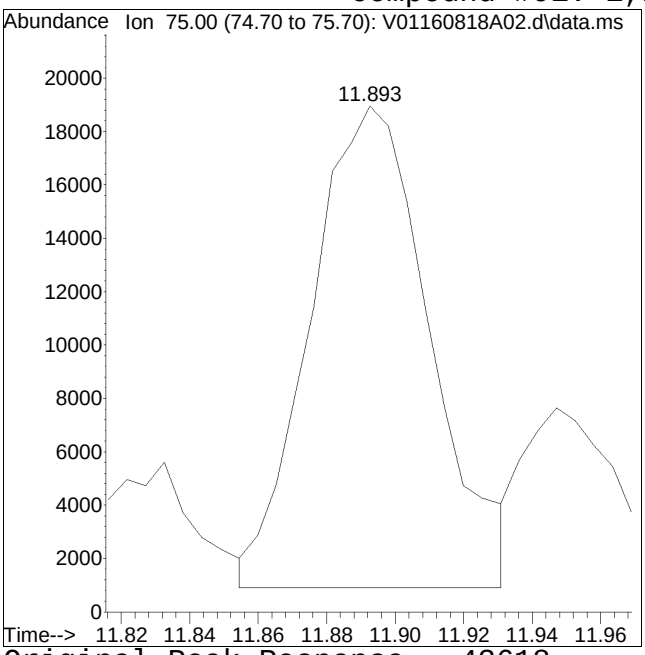
Manual Peak Response = 395123 M1

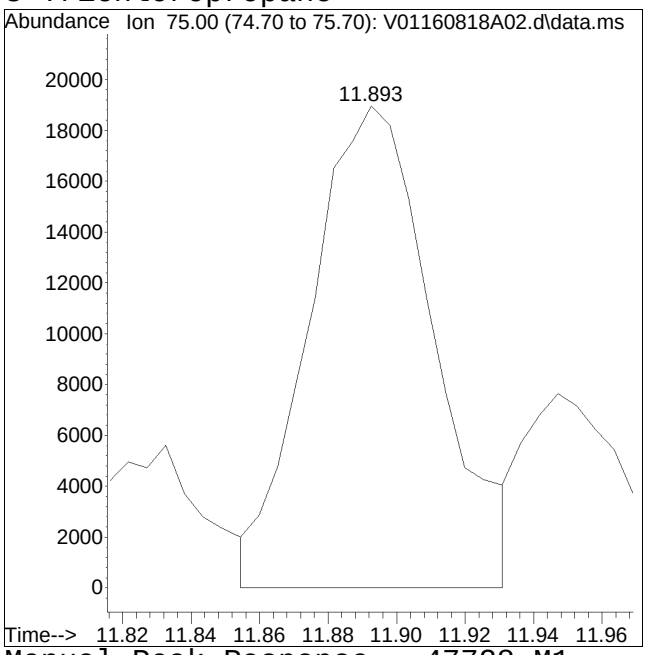
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1QMethod : V101_160809_8260.m
Data File : V01160818A02.d Operator : VOA101:PD
Date Inj'd : 8/18/2016 8:40 am Instrument : VOA 101
Sample : WG923932-2 Quant Date : 8/18/2016 9:03 am

Compound #91: 1,2,3-Trichloropropane





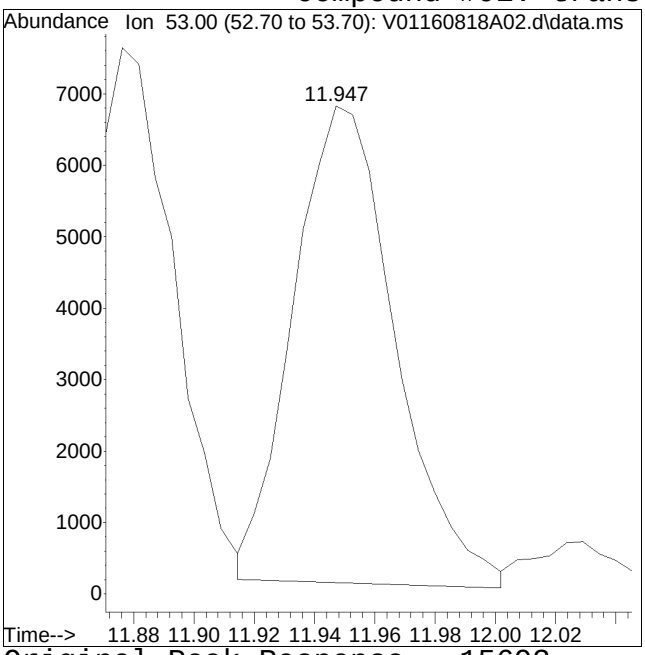
Original Peak Response = 43618 Manual Peak Response = 47728 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

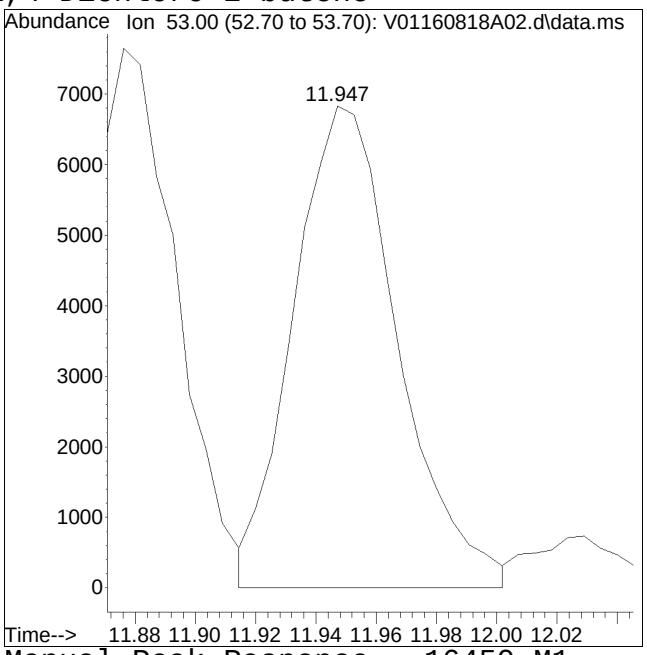
Data Path : I:\VOLATILES\VOA101\2016\1Q
Data File : V01160818A02.d
Date Inj'd : 8/18/2016 8:40 am
Sample : WG923932-2

Method : V101_160809_8260.m
Operator : VOA101:PD
Instrument : VOA 101
Quant Date : 8/18/2016 9:03 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 15693



Manual Peak Response = 16450 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A06.d
Acq On : 18 Aug 2016 10:32 am
Operator : VOA101:PD
Sample : l1625236-01,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 11:11:01 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.076	96	454035	10.000	ug/L	0.00
Standard Area 1 = 614919			Recovery = 73.84%			
59) Chlorobenzene-d5	9.912	117	309692	10.000	ug/L	0.00
Standard Area 1 = 416180			Recovery = 74.41%			
79) 1,4-Dichlorobenzene-d4	12.793	152	127693	10.000	ug/L	0.00
Standard Area 1 = 172755			Recovery = 73.92%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.214	113	110199	9.482	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.82%			
43) 1,2-Dichloroethane-d4	5.776	65	119538	8.946	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.46%			
60) Toluene-d8	7.899	98	432945	10.369	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.69%			
83) 4-Bromofluorobenzene	11.484	95	141559	11.129	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.29%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.771	50	791	N.D.		
4) Vinyl chloride	1.853	62	56	N.D.		
5) Bromomethane	2.159	94	310	N.D.		
6) Chloroethane	2.240	64	50	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.922	76	2061	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.452	84	757	0.078	ug/L	96
17) Acetone	3.501	43	6688M1	5.017	ug/L	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.708	43	151	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	5.029	83	54	N.D.		

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A06.d
Acq On : 18 Aug 2016 10:32 am
Operator : VOA101:PD
Sample : l1625236-01,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 11:11:01 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D.		
41) Benzene	5.640	78	515	N.D.		
44) 1,2-Dichloroethane	5.847	62	55	N.D.		
47) Methyl cyclohexane	0.000		0	N.D.		
48) Trichloroethene	6.196	95	107	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.964	92	2353	0.099	ug/L	100
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	9.928	112	176	N.D.		
74) Ethylbenzene	9.972	91	599	N.D.		
76) p/m Xylene	10.174	106	76	N.D.		
77) o Xylene	10.752	106	53	N.D.		
78) Styrene	10.867	104	57	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	11.145	105	204	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	12.722	146	535	N.D.		
101) 1,4-Dichlorobenzene	12.815	146	551	N.D.		
104) 1,2-Dichlorobenzene	13.290	146	54	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	14.883	180	180	N.D.		
111) 1,2,3-Trichlorobenzene	15.390	180	110	N.D.		

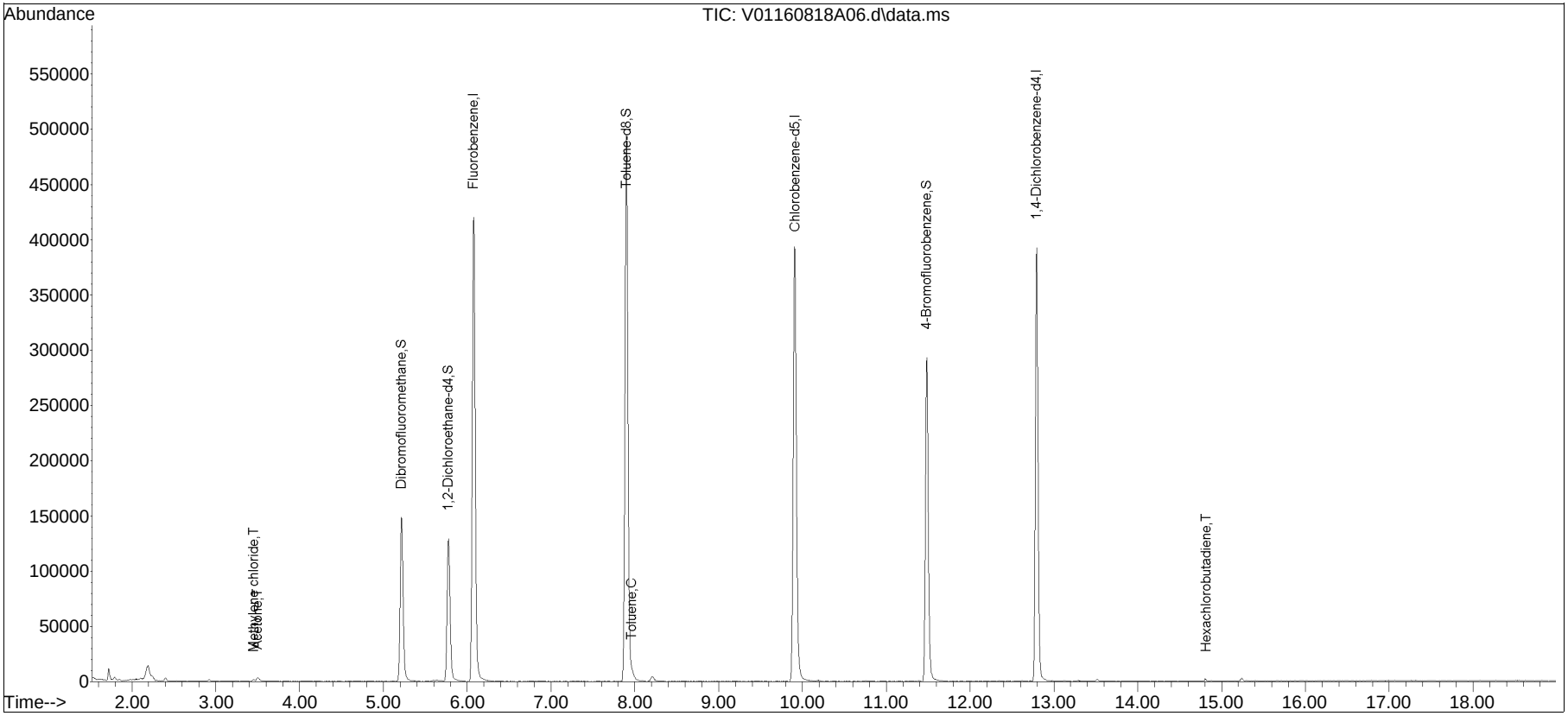
(#) = qualifier out of range (m) = manual integration (+) = signals summed

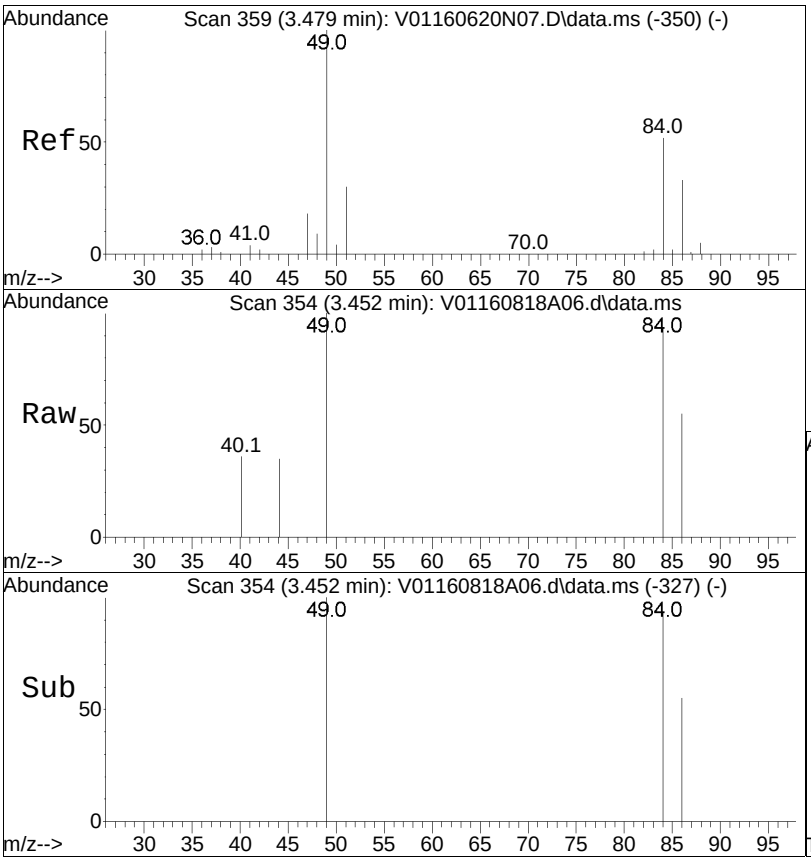
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A06.d
Acq On : 18 Aug 2016 10:32 am
Operator : VOA101:PD
Sample : l1625236-01,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 11:11:01 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox60818A\V01160818A02.d•

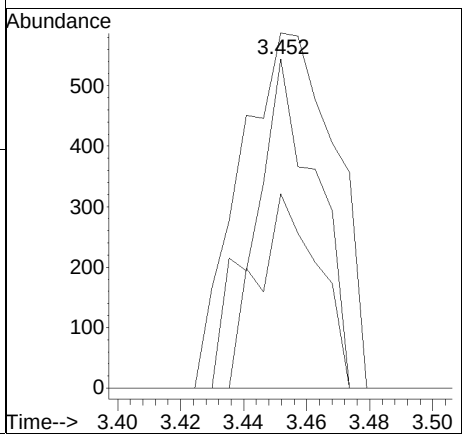


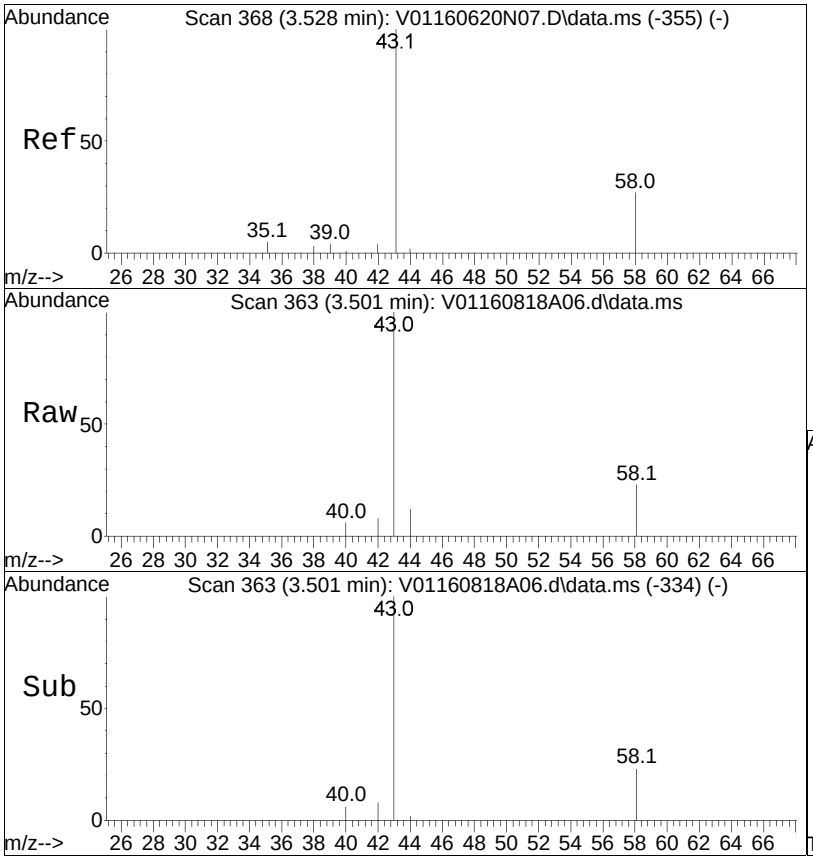


#15
Methylene chloride
Concen: 0.08 ug/L
RT: 3.452 min Scan# 354
Delta R.T. -0.000 min
Lab File: V01160818A06.d
Acq: 18 Aug 2016 10:32 am

Tgt Ion: 84 Resp: 757

Ion	Ratio	Lower	Upper
84	100		
86	56.9	41.3	85.9
49	162.1	103.5	215.1

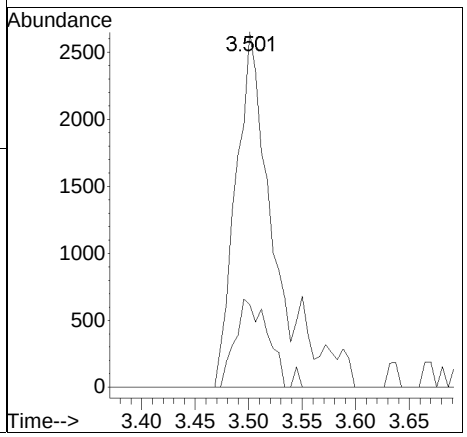


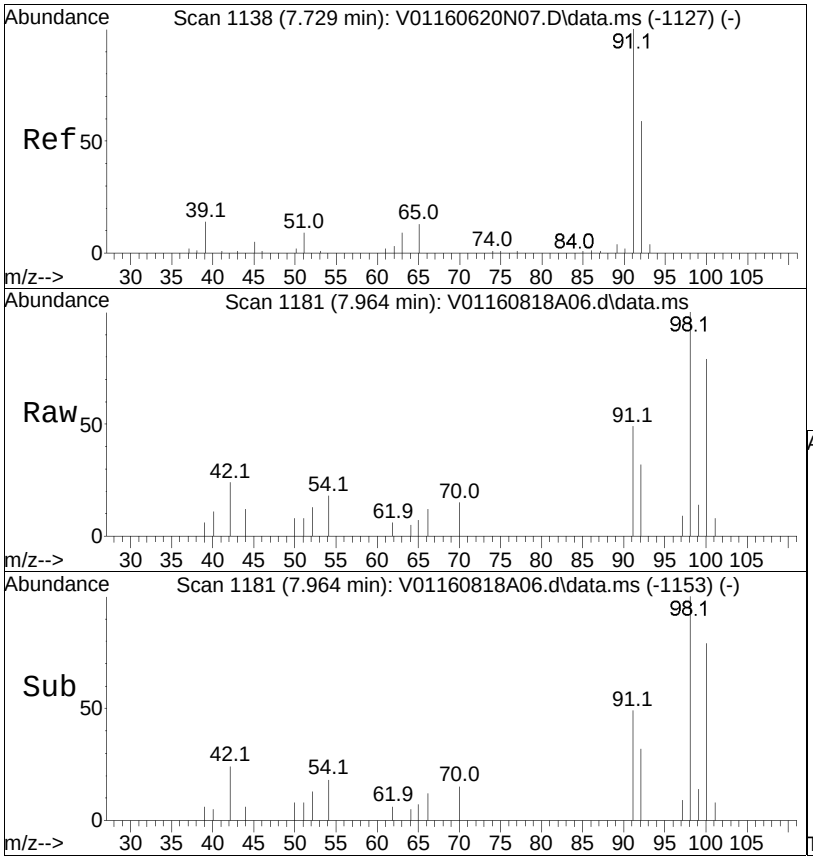


#17
Acetone
Concen: 5.02 ug/L M1
RT: 3.501 min Scan# 363
Delta R.T. 0.006 min
Lab File: V01160818A06.d
Acq: 18 Aug 2016 10:32 am

Tgt Ion: 43 Resp: 6688

Ion	Ratio	Lower	Upper
43	100		
58	20.5	18.5	27.7

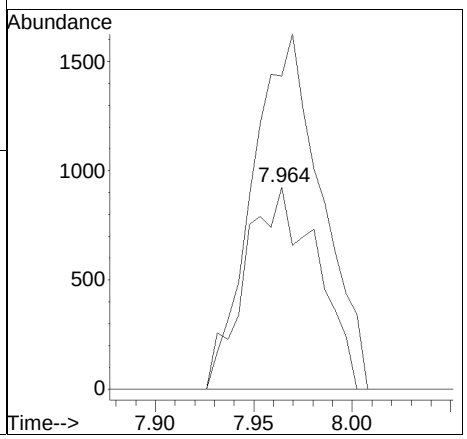




#61
Toluene
Concen: 0.10 ug/L
RT: 7.964 min Scan# 1181
Delta R.T. 0.000 min
Lab File: V01160818A06.d
Acq: 18 Aug 2016 10:32 am

Tgt Ion: 92 Resp: 2353

Ion	Ratio	Lower	Upper
92	100		
91	168.8	135.4	203.0

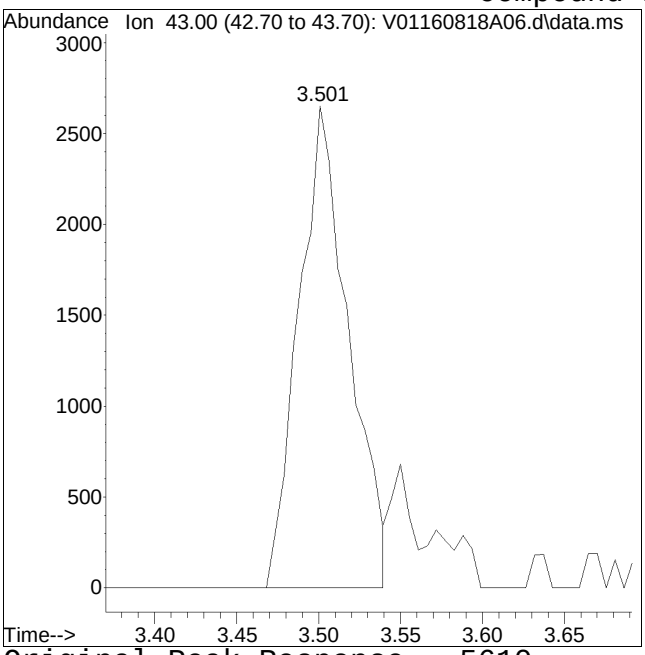


Manual Integration Report

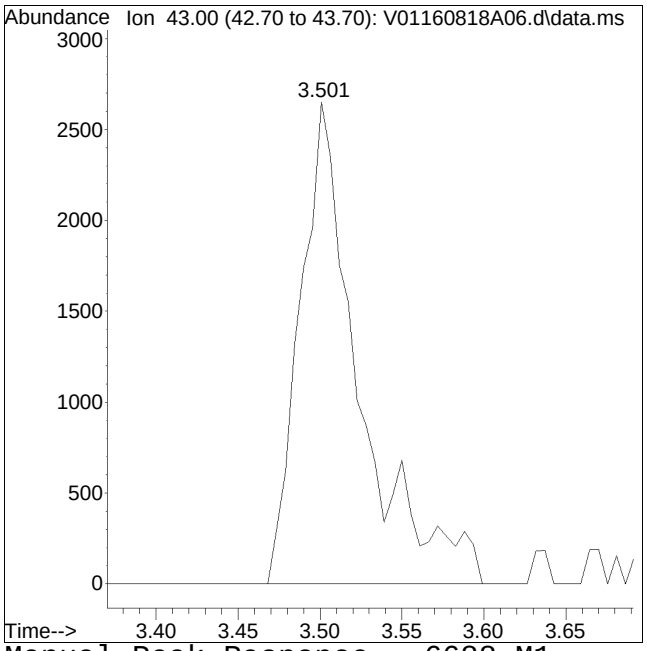
Data Path : I:\VOLATILES\VOA101\2016\1Q
Data File : V01160818A06.d
Date Inj'd : 8/18/2016 10:32 am
Sample : l1625236-01,31,10,10,,a

Method : V101_160809_8260.m
Operator : VOA101:PD
Instrument : VOA 101
Quant Date : 8/18/2016 11:10 am

Compound #17: Acetone



Original Peak Response = 5610



Manual Peak Response = 6688 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A07.d
Acq On : 18 Aug 2016 11:00 am
Operator : VOA101:PD
Sample : l1625236-12,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 11:23:32 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.076	96	456457	10.000	ug/L	0.00
Standard Area 1 = 614919			Recovery = 74.23%			
59) Chlorobenzene-d5	9.906	117	311604	10.000	ug/L	0.00
Standard Area 1 = 416180			Recovery = 74.87%			
79) 1,4-Dichlorobenzene-d4	12.793	152	128985	10.000	ug/L	0.00
Standard Area 1 = 172755			Recovery = 74.66%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.219	113	110302	9.440	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.40%			
43) 1,2-Dichloroethane-d4	5.776	65	122199	9.096	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.96%			
60) Toluene-d8	7.899	98	434604	10.345	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.45%			
83) 4-Bromofluorobenzene	11.483	95	141573	11.019	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.19%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.771	50	2555	0.193	ug/L	96
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.153	94	252	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.928	76	1765	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.463	84	563	N.D.		
17) Acetone	3.506	43	3737M1	2.334	ug/L	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.599	43	105	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A07.d
Acq On : 18 Aug 2016 11:00 am
Operator : VOA101:PD
Sample : l1625236-12,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 11:23:32 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	0.000		0		N.D.	
41) Benzene	5.645	78	191		N.D.	
44) 1,2-Dichloroethane	5.841	62	69		N.D.	
47) Methyl cyclohexane	0.000		0		N.D.	
48) Trichloroethene	6.196	95	206		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	7.959	92	775		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	
73) Chlorobenzene	9.923	112	52		N.D.	
74) Ethylbenzene	9.977	91	104		N.D.	
76) p/m Xylene	0.000		0		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	0.000		0		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	11.134	105	170		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
100) 1,3-Dichlorobenzene	12.727	146	132		N.D.	
101) 1,4-Dichlorobenzene	12.815	146	524		N.D.	
104) 1,2-Dichlorobenzene	0.000		0		N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
109) 1,2,4-Trichlorobenzene	14.877	180	83		N.D.	
111) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

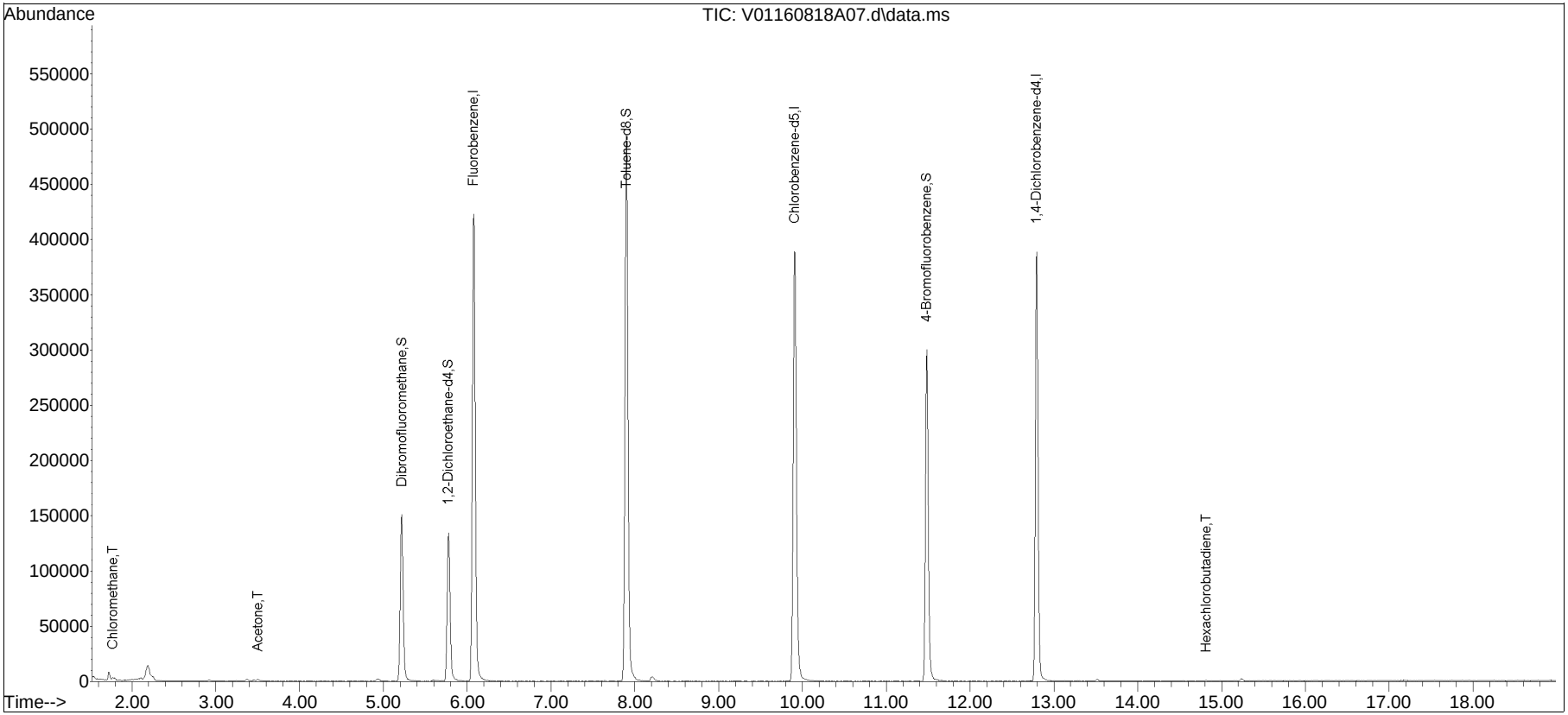
(#) = qualifier out of range (m) = manual integration (+) = signals summed

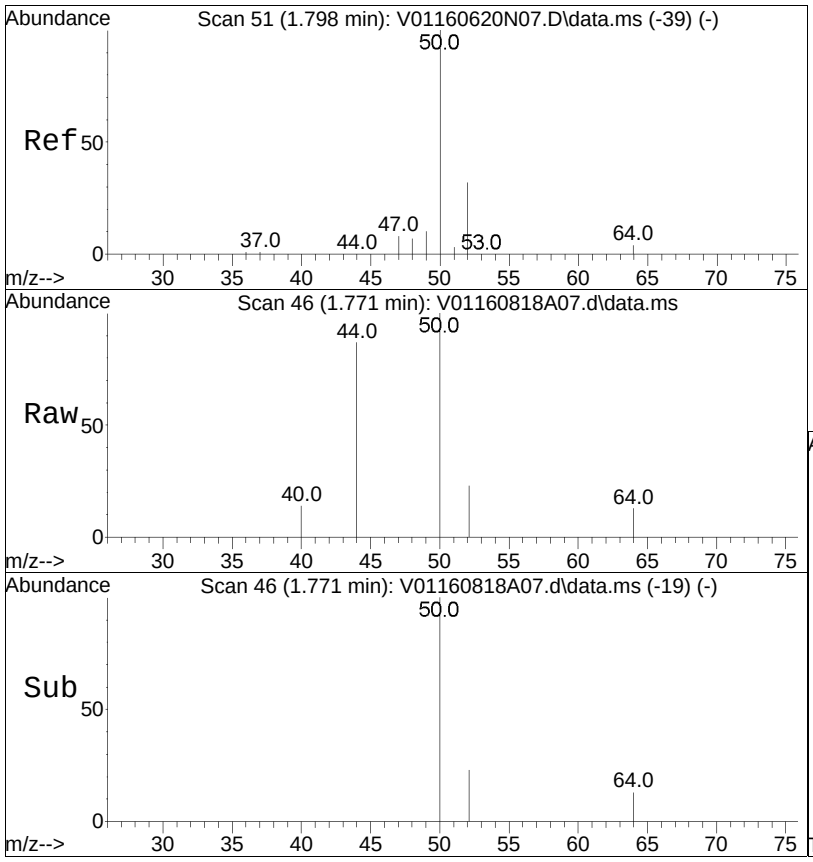
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A07.d
Acq On : 18 Aug 2016 11:00 am
Operator : VOA101:PD
Sample : l1625236-12,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 11:23:32 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox60818A\V01160818A02.d•

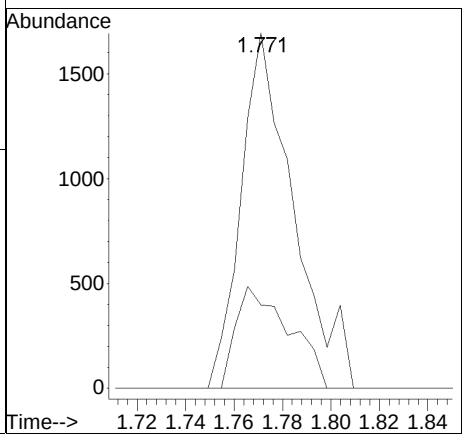


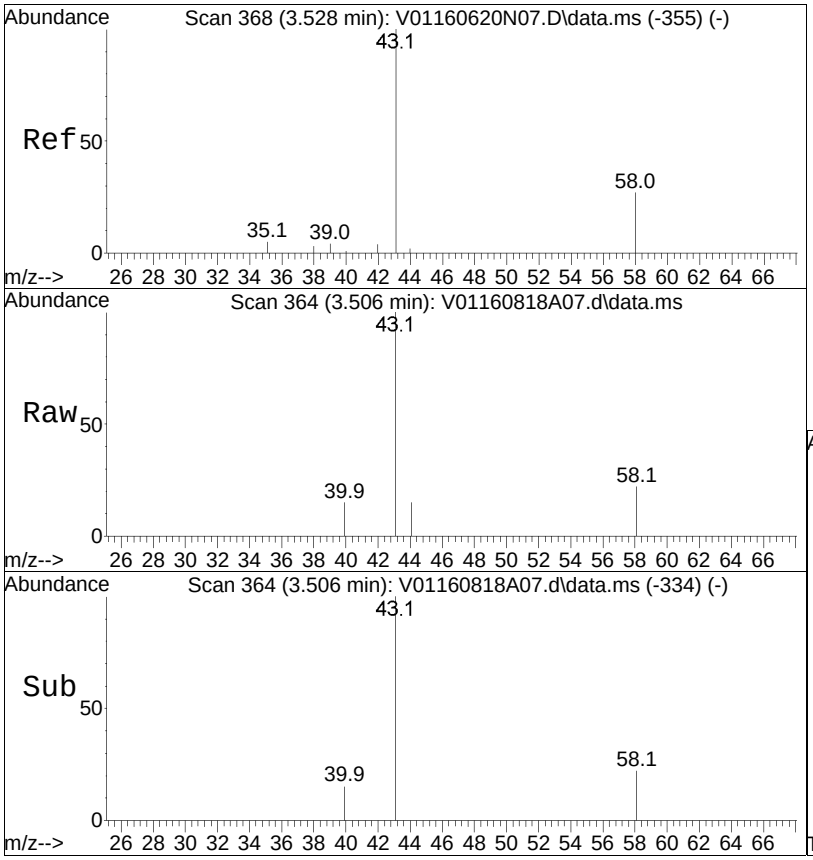


#3
Chloromethane
Concen: 0.19 ug/L
RT: 1.771 min Scan# 46
Delta R.T. 0.000 min
Lab File: V01160818A07.d
Acq: 18 Aug 2016 11:00 am

Tgt Ion: 50 Resp: 2555

Ion	Ratio	Lower	Upper
50	100		
52	29.2	11.1	51.1

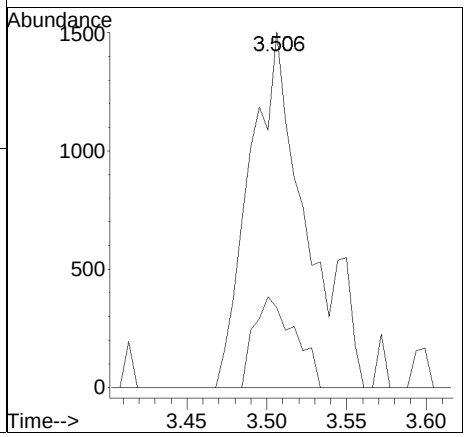




#17
Acetone
Concen: 2.33 ug/L M1
RT: 3.506 min Scan# 364
Delta R.T. 0.011 min
Lab File: V01160818A07.d
Acq: 18 Aug 2016 11:00 am

Tgt Ion: 43 Resp: 3737

Ion	Ratio	Lower	Upper
43	100		
58	18.2	18.5	27.7#

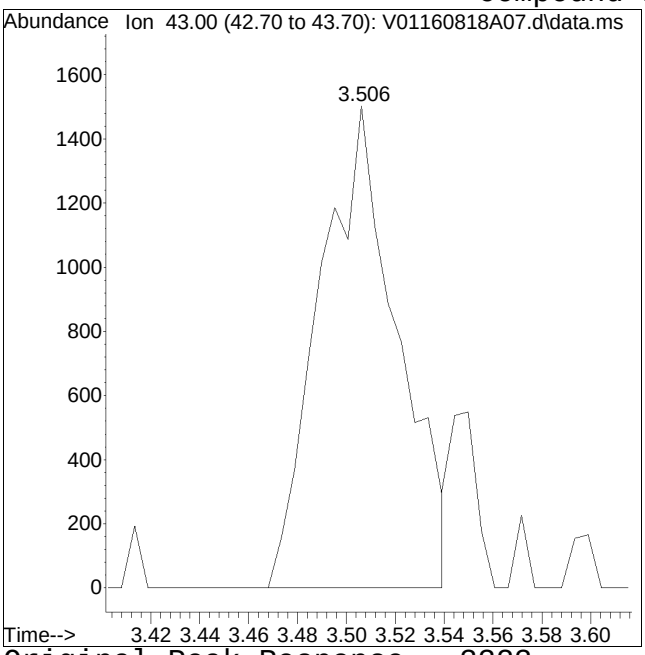


Manual Integration Report

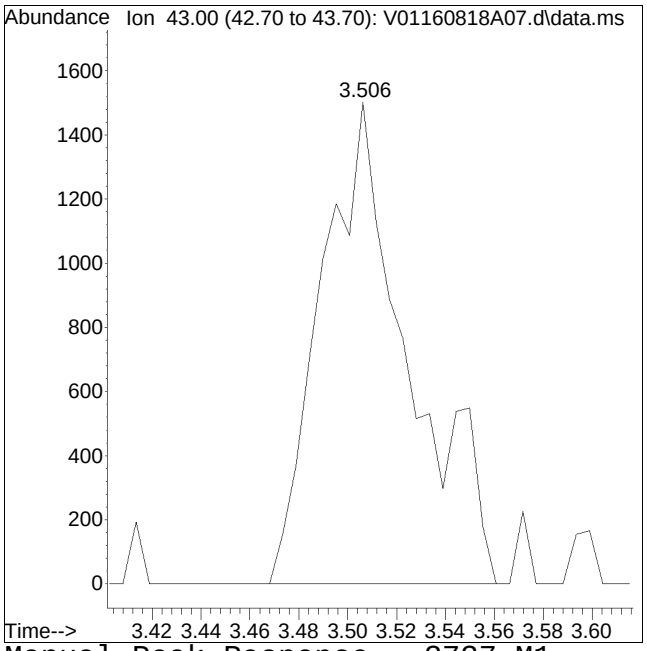
Data Path : I:\VOLATILES\VOA101\2016\1Q
Data File : V01160818A07.d
Date Inj'd : 8/18/2016 11:00 am
Sample : l1625236-12,31,10,10,,a

Method : V101_160809_8260.m
Operator : VOA101:PD
Instrument : VOA 101
Quant Date : 8/18/2016 11:23 am

Compound #17: Acetone



Original Peak Response = 3323



Manual Peak Response = 3737 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A08.d
Acq On : 18 Aug 2016 11:28 am
Operator : VOA101:PD
Sample : l1625236-02,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 11:49:16 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.076	96	450572	10.000	ug/L	0.00
Standard Area 1 = 614919			Recovery = 73.27%			
59) Chlorobenzene-d5	9.912	117	307052	10.000	ug/L	0.00
Standard Area 1 = 416180			Recovery = 73.78%			
79) 1,4-Dichlorobenzene-d4	12.793	152	127162	10.000	ug/L	0.00
Standard Area 1 = 172755			Recovery = 73.61%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.220	113	109487	9.493	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.93%			
43) 1,2-Dichloroethane-d4	5.776	65	118736	8.954	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.54%			
60) Toluene-d8	7.899	98	430668	10.403	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.03%			
83) 4-Bromofluorobenzene	11.483	95	138614	10.943	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.43%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.771	50	261	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.153	94	453	N.D.		
6) Chloroethane	2.191	64	65	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.922	76	1693	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.446	84	186	N.D.		
17) Acetone	3.506	43	2694	1.428	ug/L #	70
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D. d		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	5.034	83	1488	0.086	ug/L #	78

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A08.d
Acq On : 18 Aug 2016 11:28 am
Operator : VOA101:PD
Sample : l1625236-02,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 11:49:16 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	5.269	43	53	Below Cal #		35
41) Benzene	5.629	78	1156	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
47) Methyl cyclohexane	0.000		0	N.D.		
48) Trichloroethene	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.970	92	2442	0.104	ug/L	87
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	9.945	112	56	N.D.		
74) Ethylbenzene	9.983	91	649	N.D.		
76) p/m Xylene	10.174	106	572	N.D.		
77) o Xylene	10.769	106	50	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	11.140	105	237	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	12.727	146	207	N.D.		
101) 1,4-Dichlorobenzene	12.815	146	390	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

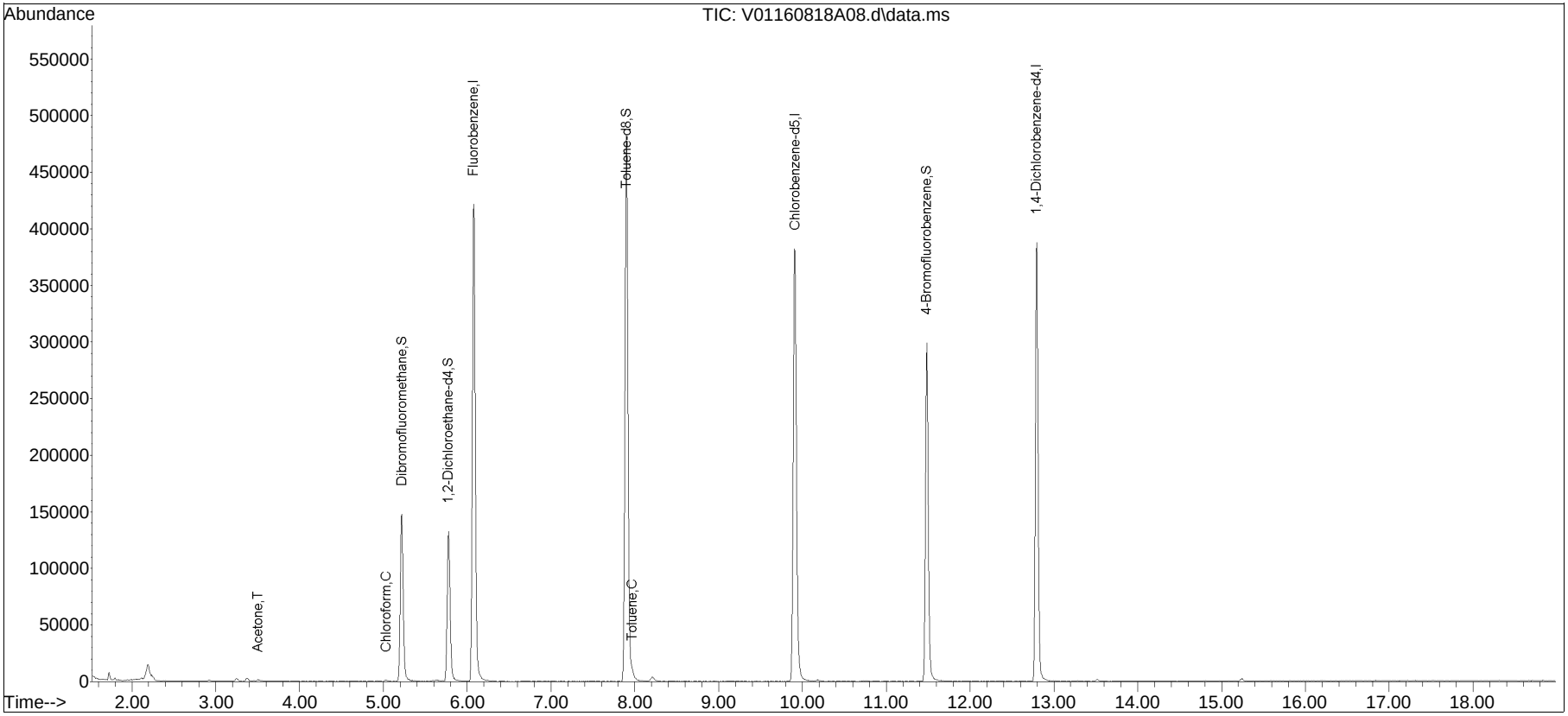
(#) = qualifier out of range (m) = manual integration (+) = signals summed

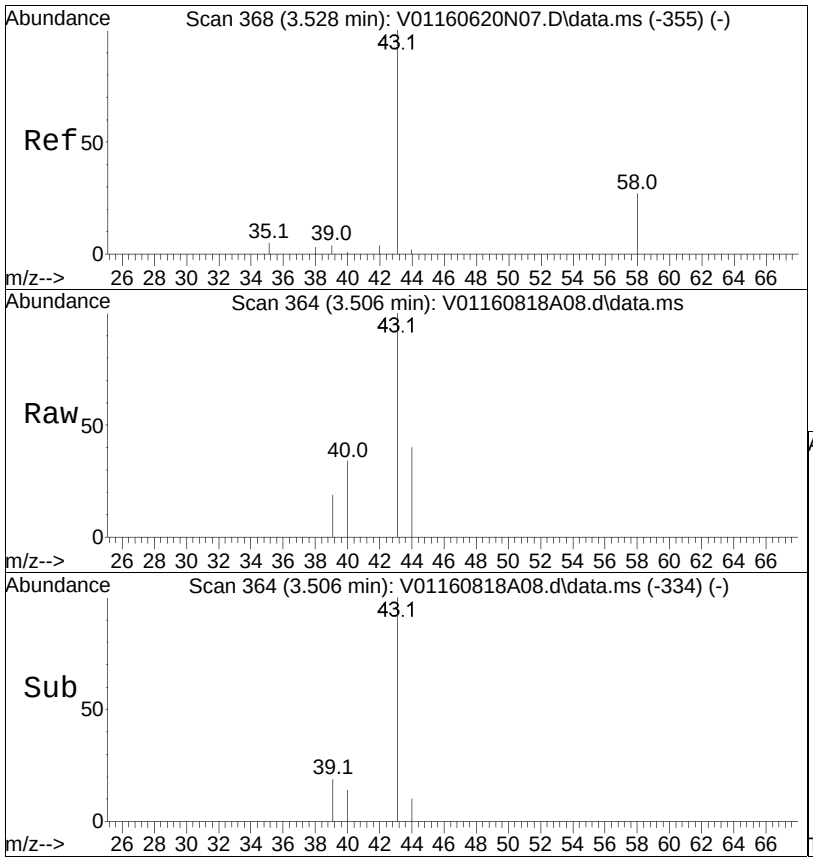
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A08.d
Acq On : 18 Aug 2016 11:28 am
Operator : VOA101:PD
Sample : l1625236-02,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 11:49:16 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox60818A\V01160818A02.d•

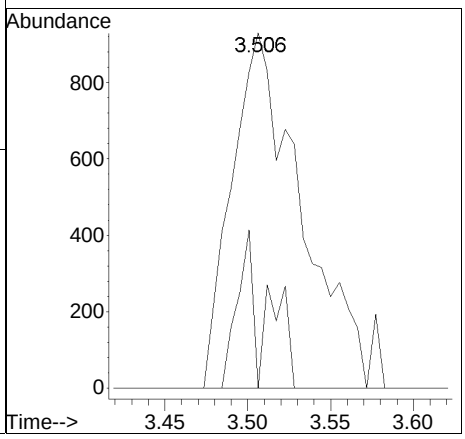


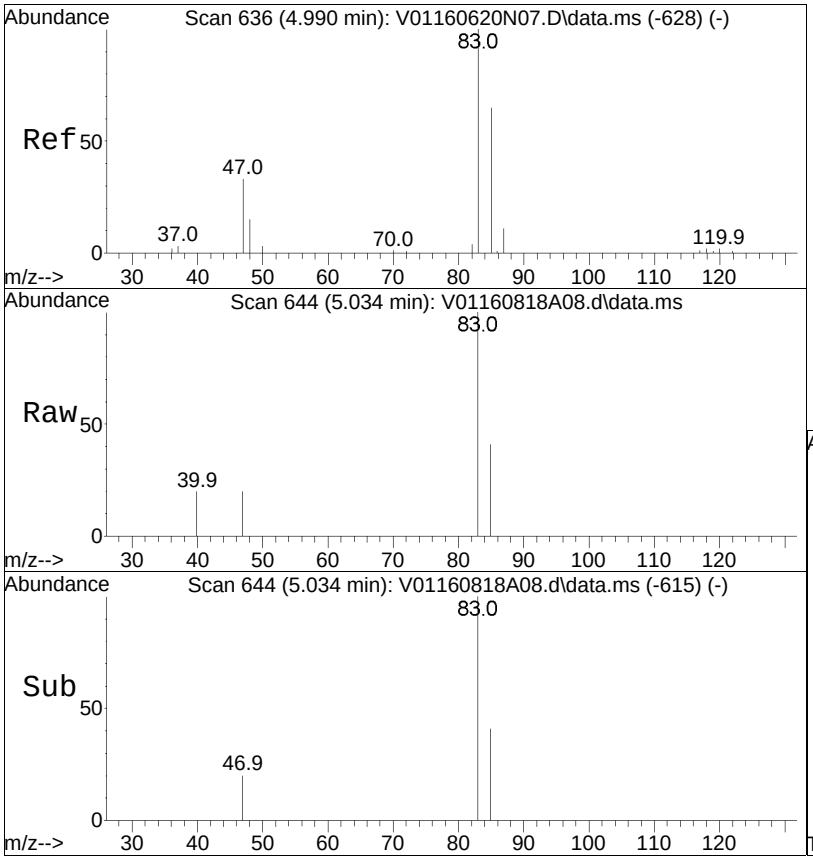


#17
Acetone
Concen: 1.43 ug/L
RT: 3.506 min Scan# 364
Delta R.T. 0.011 min
Lab File: V01160818A08.d
Acq: 18 Aug 2016 11:28 am

Tgt Ion: 43 Resp: 2694

Ion	Ratio	Lower	Upper
43	100		
58	8.7	18.5	27.7#

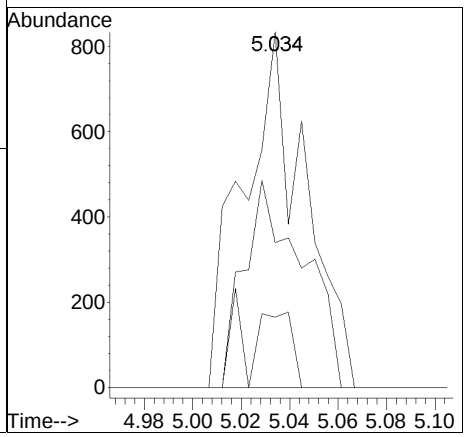


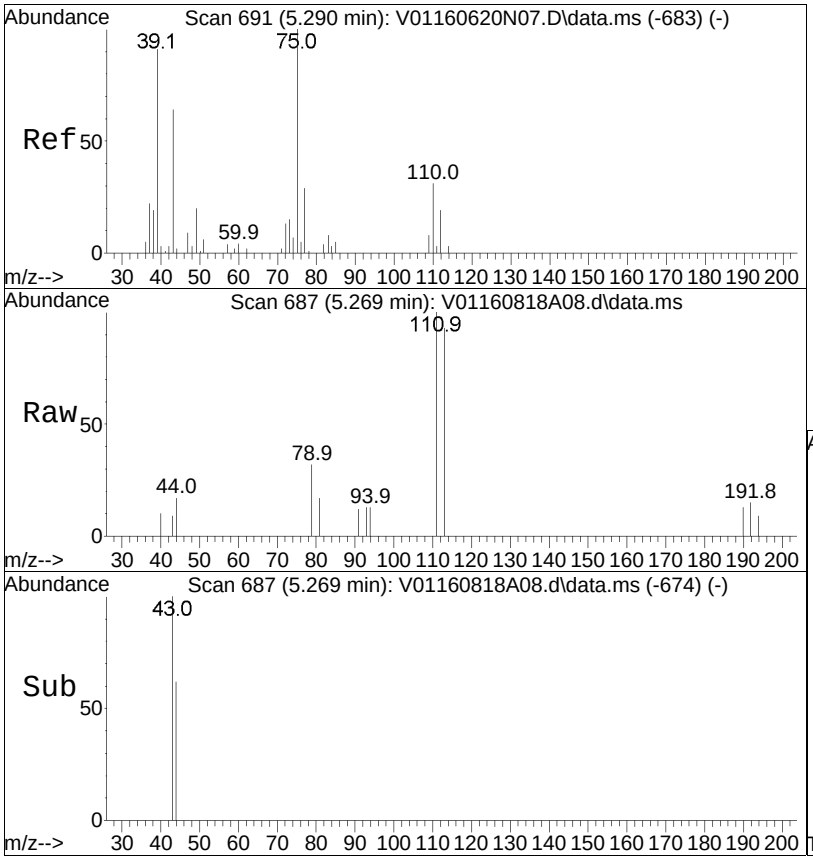


#32
Chloroform
Concen: 0.09 ug/L
RT: 5.034 min Scan# 644
Delta R.T. 0.006 min
Lab File: V01160818A08.d
Acq: 18 Aug 2016 11:28 am

Tgt Ion: 83 Resp: 1488

Ion	Ratio	Lower	Upper
83	100		
85	55.5	42.3	87.9
47	11.4	20.5	42.7#
48	0.0	9.8	20.4#

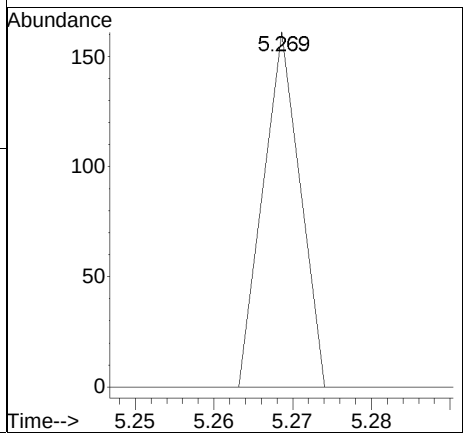


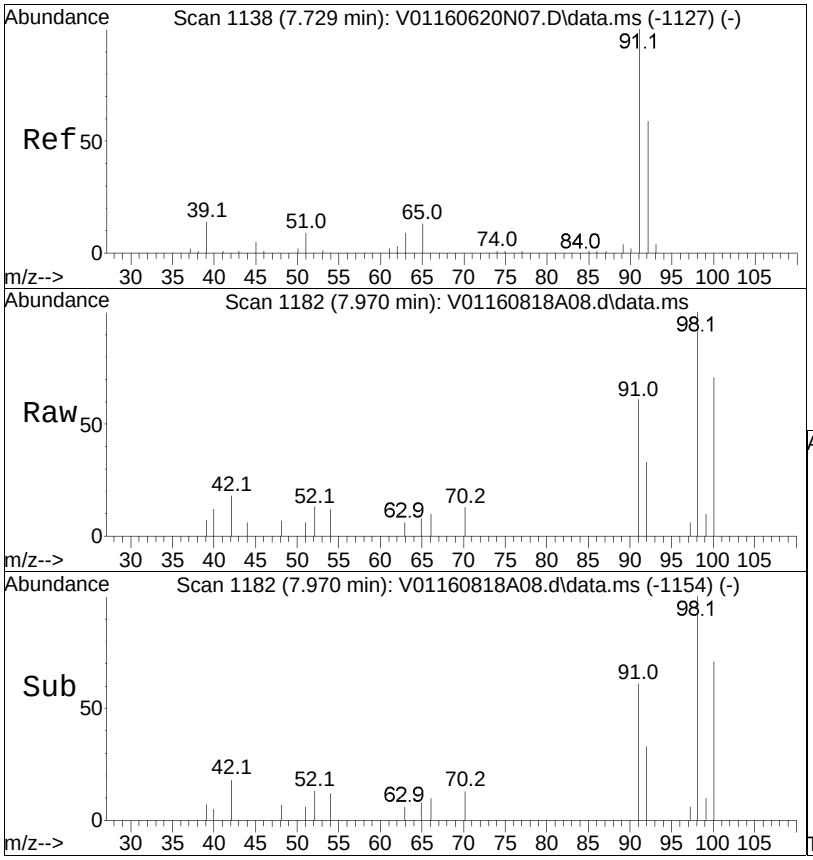


#39
2-Butanone
Concen: Below Cal
RT: 5.269 min Scan# 687
Delta R.T. -0.081 min
Lab File: V01160818A08.d
Acq: 18 Aug 2016 11:28 am

Tgt Ion: 43 Resp: 53

Ion	Ratio	Lower	Upper
43	100		
72	0.0	32.0	48.0#

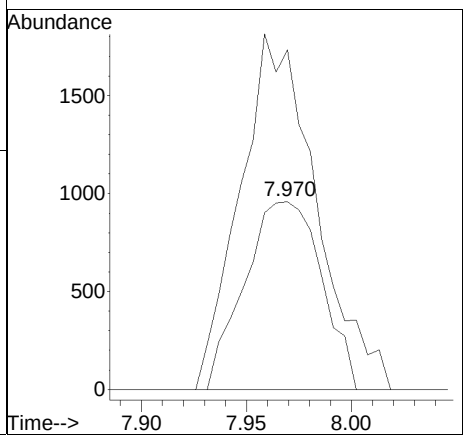




#61
Toluene
Concen: 0.10 ug/L
RT: 7.970 min Scan# 1182
Delta R.T. 0.005 min
Lab File: V01160818A08.d
Acq: 18 Aug 2016 11:28 am

Tgt Ion: 92 Resp: 2442

Ion	Ratio	Lower	Upper
92	100		
91	187.0	135.4	203.0



Manual Integration Report

Data Path	: I:\VOLATILES\VOA101\2016\1	QMethod	: V101_160809_8260.m
Data File	: V01160818A08.d	Operator	: VOA101:PD
Date Inj'd	: 8/18/2016 11:28 am	Instrument	: VOA 101
Sample	: l1625236-02,31,10,10,,a	Quant Date	: 8/18/2016 11:48 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A09.d
Acq On : 18 Aug 2016 11:56 am
Operator : VOA101:PD
Sample : l1625236-03,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 18 12:30:10 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.082	96	443589	10.000	ug/L	0.00
Standard Area 1 = 614919			Recovery = 72.14%			
59) Chlorobenzene-d5	9.907	117	303115	10.000	ug/L	0.00
Standard Area 1 = 416180			Recovery = 72.83%			
79) 1,4-Dichlorobenzene-d4	12.793	152	125237	10.000	ug/L	0.00
Standard Area 1 = 172755			Recovery = 72.49%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.220	113	105747	9.313	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.13%			
43) 1,2-Dichloroethane-d4	5.776	65	117907	9.032	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.32%			
60) Toluene-d8	7.899	98	425502	10.412	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.12%			
83) 4-Bromofluorobenzene	11.483	95	136805	10.966	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.66%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0		N.D.	
3) Chloromethane	1.766	50	339		N.D.	
4) Vinyl chloride	0.000		0		N.D.	
5) Bromomethane	2.164	94	336		N.D.	
6) Chloroethane	0.000		0		N.D.	
7) Trichlorofluoromethane	0.000		0		N.D.	
10) 1,1-Dichloroethene	0.000		0		N.D.	
11) Carbon disulfide	2.922	76	1442		N.D.	
12) Freon-113	0.000		0		N.D.	
15) Methylene chloride	3.457	84	112		N.D.	
17) Acetone	3.506	43	2194M1	1.005	ug/L	
18) trans-1,2-Dichloroethene	0.000		0		N.D.	
19) Methyl acetate	0.000		0		N.D. d	
20) Methyl tert-butyl ether	0.000		0		N.D.	
23) 1,1-Dichloroethane	0.000		0		N.D.	
27) Vinyl acetate	0.000		0		N.D.	
28) cis-1,2-Dichloroethene	0.000		0		N.D.	
30) Bromochloromethane	0.000		0		N.D.	
31) Cyclohexane	0.000		0		N.D.	
32) Chloroform	5.029	83	1390	0.081	ug/L #	86

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A09.d
Acq On : 18 Aug 2016 11:56 am
Operator : VOA101:PD
Sample : l1625236-03,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 18 12:30:10 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D.		
41) Benzene	5.640	78	699	N.D.		
44) 1,2-Dichloroethane	5.852	62	129	N.D.		
47) Methyl cyclohexane	0.000		0	N.D.		
48) Trichloroethene	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.975	92	3162	0.136	ug/L	90
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	9.934	112	143	N.D.		
74) Ethylbenzene	9.972	91	423	N.D.		
76) p/m Xylene	10.190	106	579	N.D.		
77) o Xylene	10.752	106	135	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	12.722	146	195	N.D.		
101) 1,4-Dichlorobenzene	12.804	146	254	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

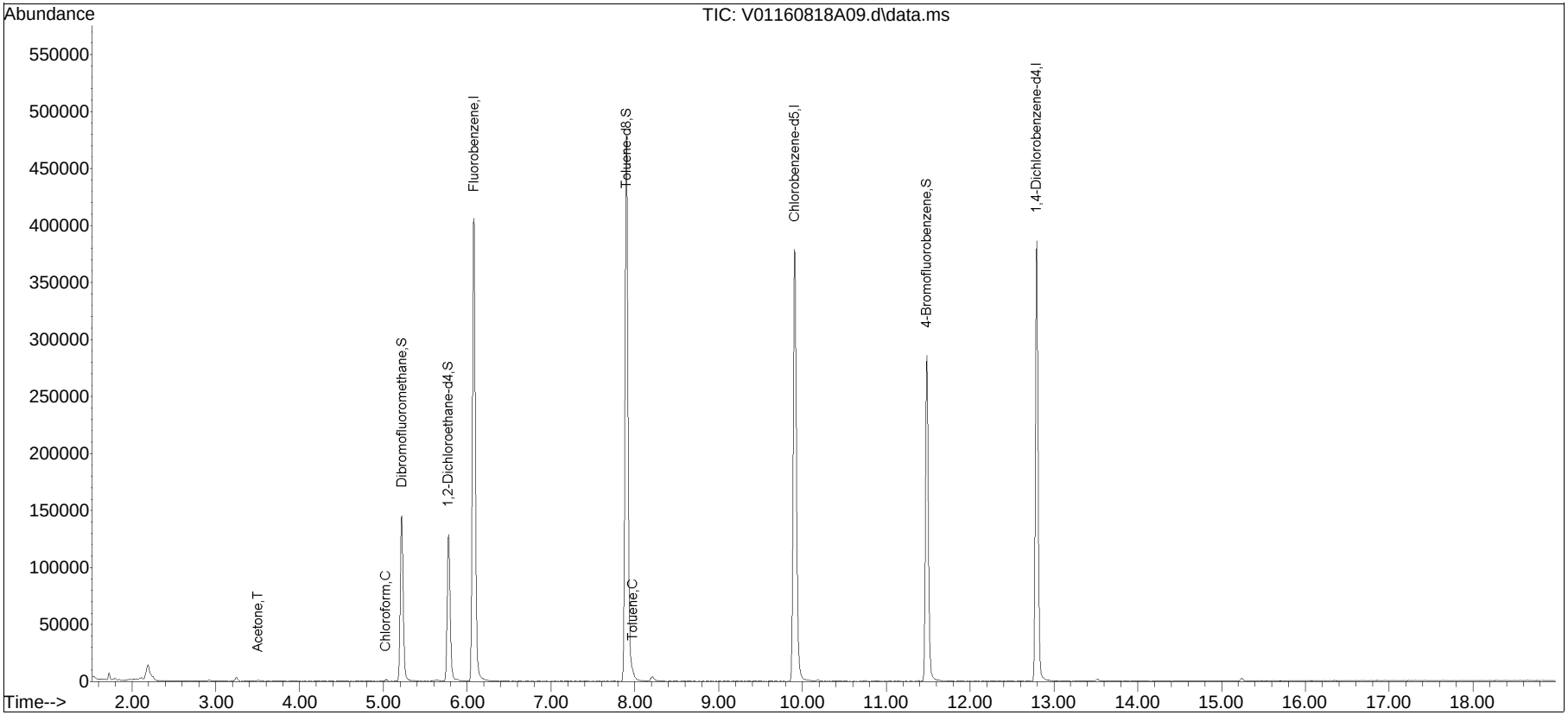
(#) = qualifier out of range (m) = manual integration (+) = signals summed

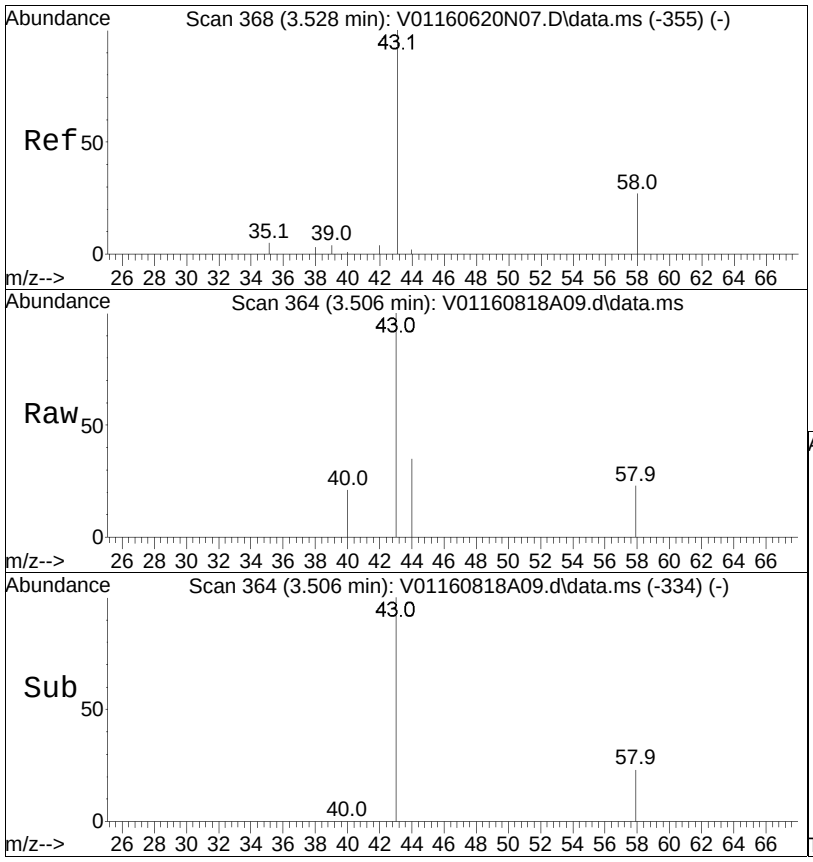
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A09.d
Acq On : 18 Aug 2016 11:56 am
Operator : VOA101:PD
Sample : l1625236-03,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 18 12:30:10 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox60818A\V01160818A02.d•

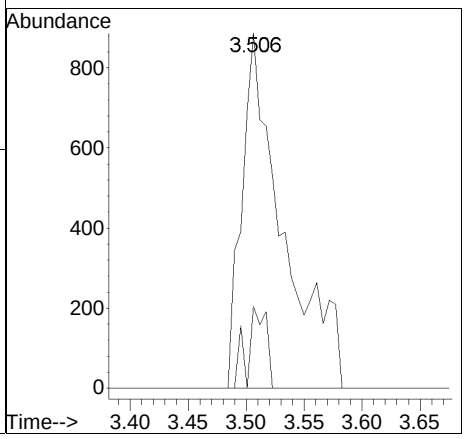


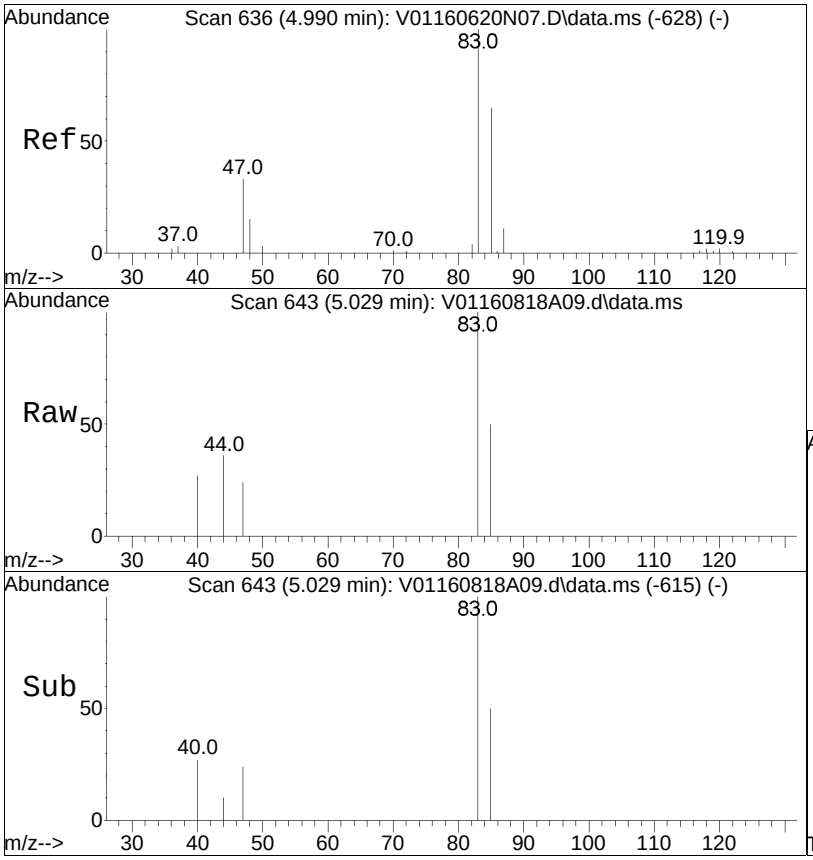


#17
Acetone
Concen: 1.00 ug/L M1
RT: 3.506 min Scan# 364
Delta R.T. 0.011 min
Lab File: V01160818A09.d
Acq: 18 Aug 2016 11:56 am

Tgt Ion: 43 Resp: 2194

Ion	Ratio	Lower	Upper
43	100		
58	10.6	18.5	27.7#

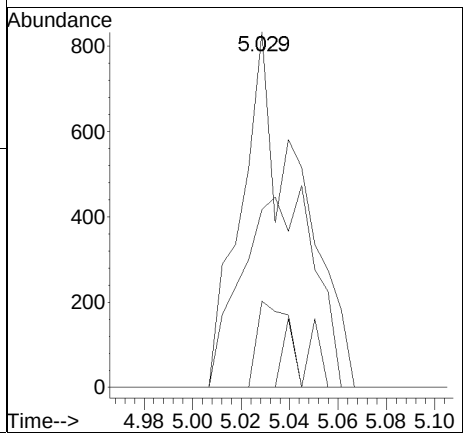


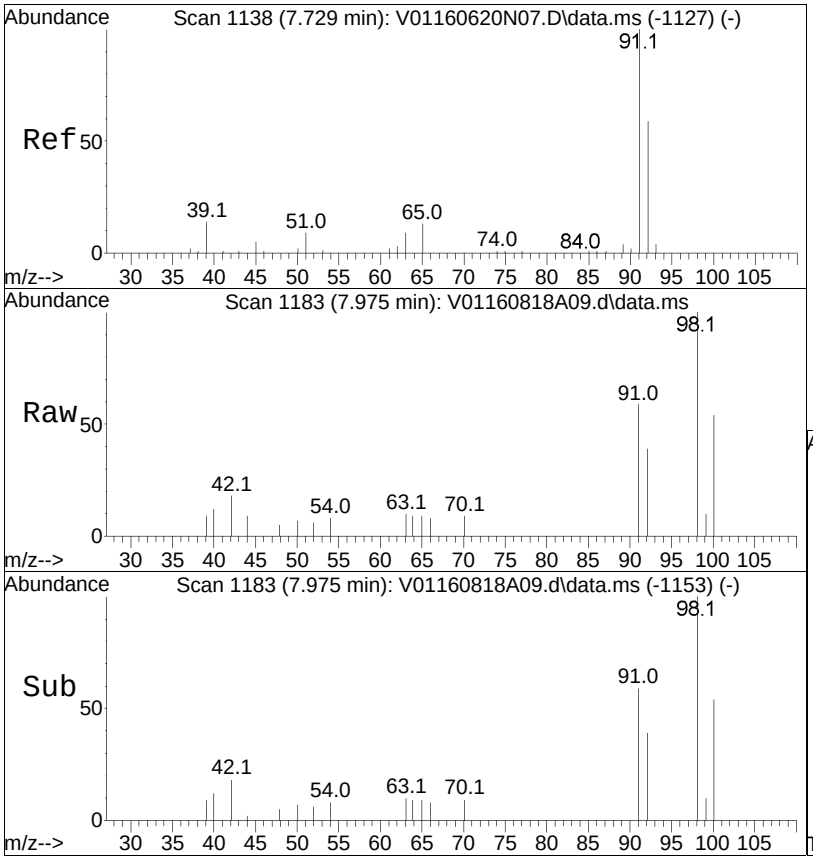


#32
Chloroform
Concen: 0.08 ug/L
RT: 5.029 min Scan# 643
Delta R.T. 0.001 min
Lab File: V01160818A09.d
Acq: 18 Aug 2016 11:56 am

Tgt Ion: 83 Resp: 1390

Ion	Ratio	Lower	Upper
83	100		
85	68.5	42.3	87.9
47	16.8	20.5	42.7#
48	3.8	9.8	20.4#

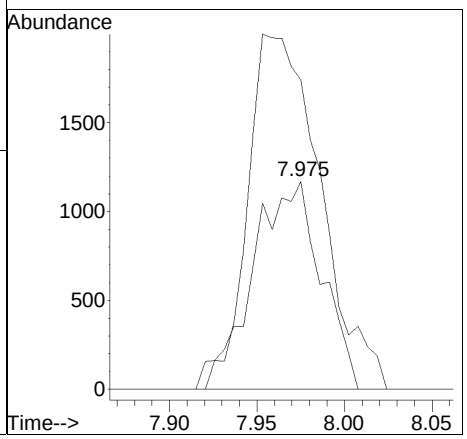




#61
Toluene
Concen: 0.14 ug/L
RT: 7.975 min Scan# 1183
Delta R.T. 0.011 min
Lab File: V01160818A09.d
Acq: 18 Aug 2016 11:56 am

Tgt Ion: 92 Resp: 3162

Ion	Ratio	Lower	Upper
92	100		
91	182.8	135.4	203.0

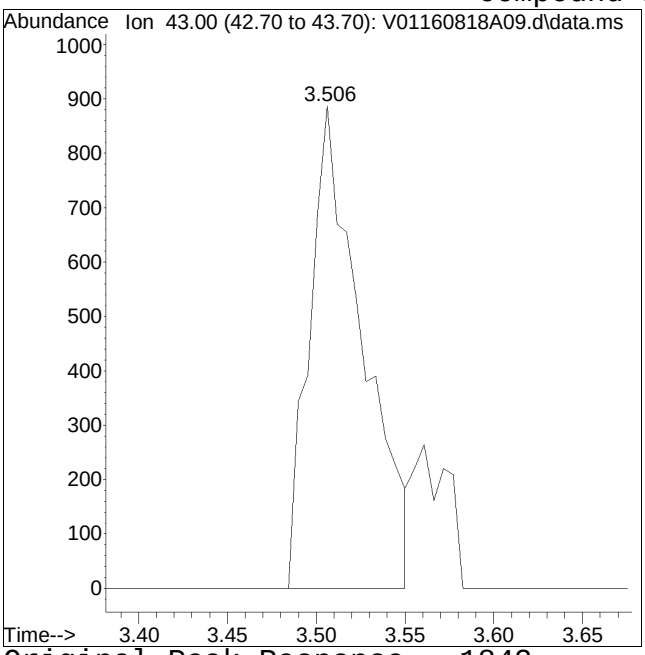


Manual Integration Report

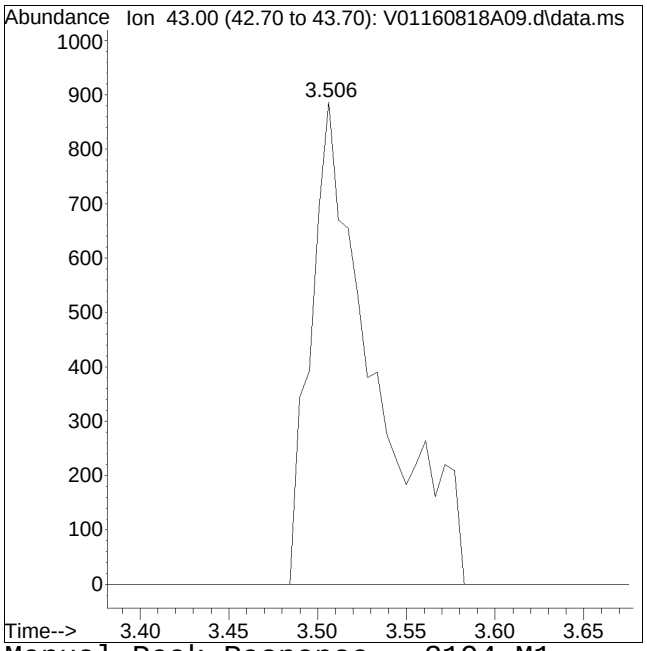
Data Path : I:\VOLATILES\VOA101\2016\1Q
Data File : V01160818A09.d
Date Inj'd : 8/18/2016 11:56 am
Sample : l1625236-03,31,10,10,,a

Method : V101_160809_8260.m
Operator : VOA101:PD
Instrument : VOA 101
Quant Date : 8/18/2016 12:29 pm

Compound #17: Acetone



Original Peak Response = 1842



Manual Peak Response = 2194 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A10.d
Acq On : 18 Aug 2016 12:25 pm
Operator : VOA101:PD
Sample : l1625236-04,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 18 12:55:19 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.076	96	432303	10.000	ug/L	0.00
Standard Area 1 = 614919			Recovery = 70.30%			
59) Chlorobenzene-d5	9.906	117	295942	10.000	ug/L	0.00
Standard Area 1 = 416180			Recovery = 71.11%			
79) 1,4-Dichlorobenzene-d4	12.793	152	122697	10.000	ug/L	0.00
Standard Area 1 = 172755			Recovery = 71.02%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.219	113	105729	9.555	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.55%			
43) 1,2-Dichloroethane-d4	5.776	65	115655	9.090	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.90%			
60) Toluene-d8	7.899	98	410807	10.296	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.96%			
83) 4-Bromofluorobenzene	11.483	95	134477	11.003	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.03%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.771	50	768	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.148	94	56	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.922	76	1343	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.452	84	116	N.D.		
17) Acetone	3.501	43	2923M1	1.749	ug/L	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D. d		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	5.034	83	1467	0.088	ug/L #	83

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A10.d
Acq On : 18 Aug 2016 12:25 pm
Operator : VOA101:PD
Sample : l1625236-04,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 18 12:55:19 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D.		
41) Benzene	5.645	78	1289	N.D.		
44) 1,2-Dichloroethane	5.847	62	51	N.D.		
47) Methyl cyclohexane	0.000		0	N.D.		
48) Trichloroethene	6.196	95	206	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.959	92	3483	0.154	ug/L	90
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	9.934	112	50	N.D.		
74) Ethylbenzene	9.983	91	762	N.D.		
76) p/m Xylene	10.190	106	570	N.D.		
77) o Xylene	10.741	106	81	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	11.140	105	106	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	12.722	146	211	N.D.		
101) 1,4-Dichlorobenzene	12.815	146	404	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

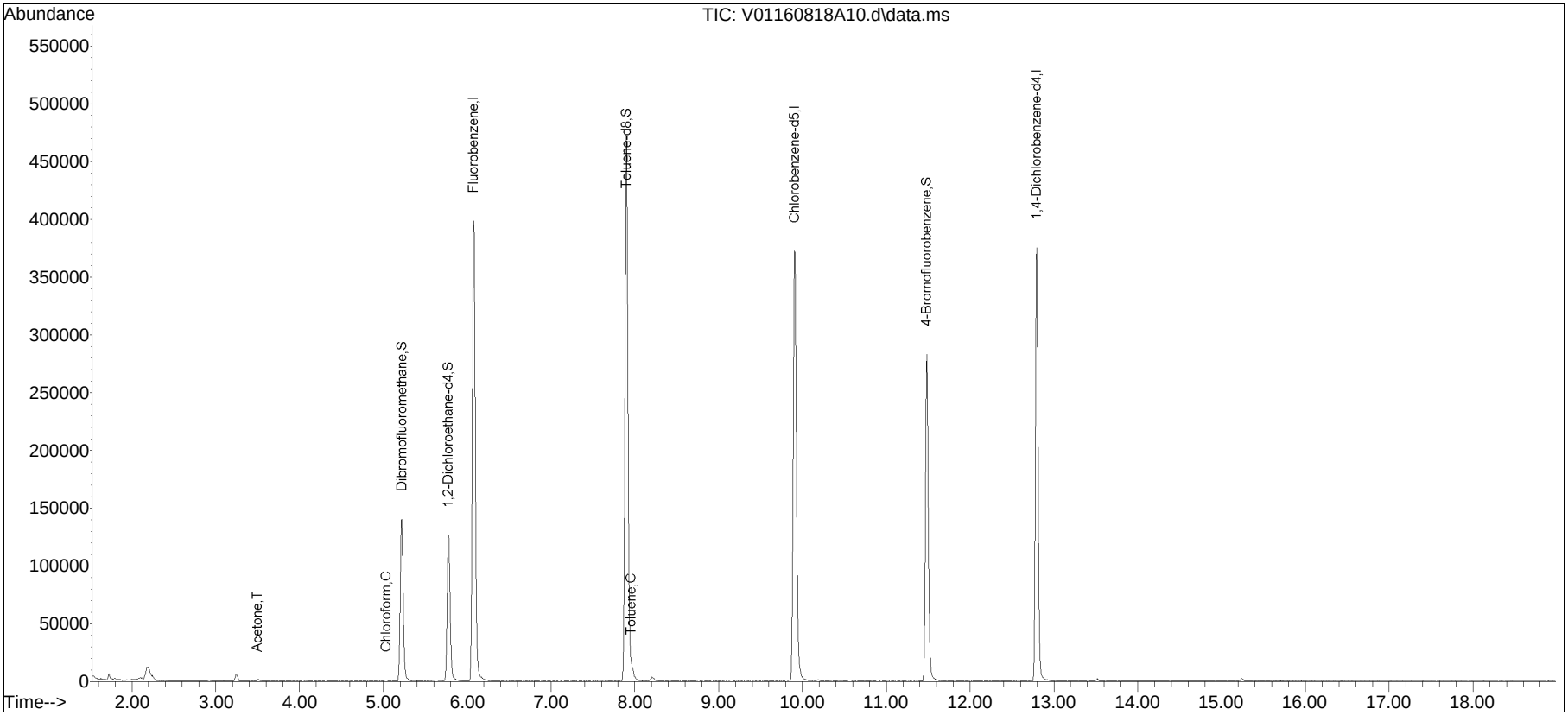
(#) = qualifier out of range (m) = manual integration (+) = signals summed

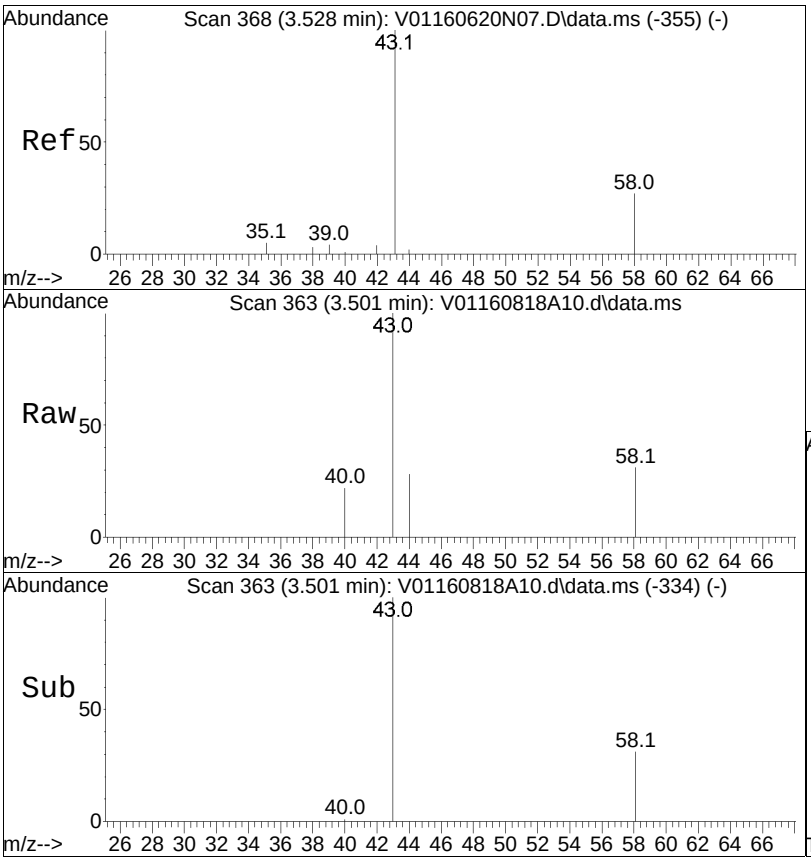
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A10.d
Acq On : 18 Aug 2016 12:25 pm
Operator : VOA101:PD
Sample : l1625236-04,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 18 12:55:19 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox60818A\V01160818A02.d•

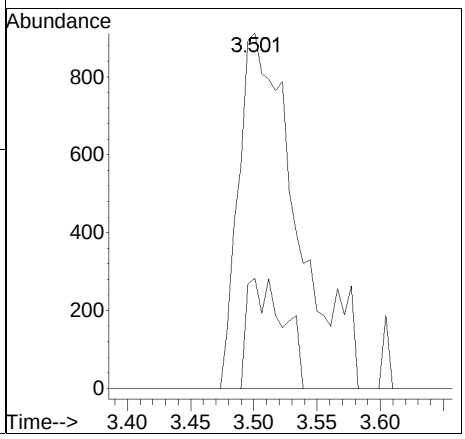


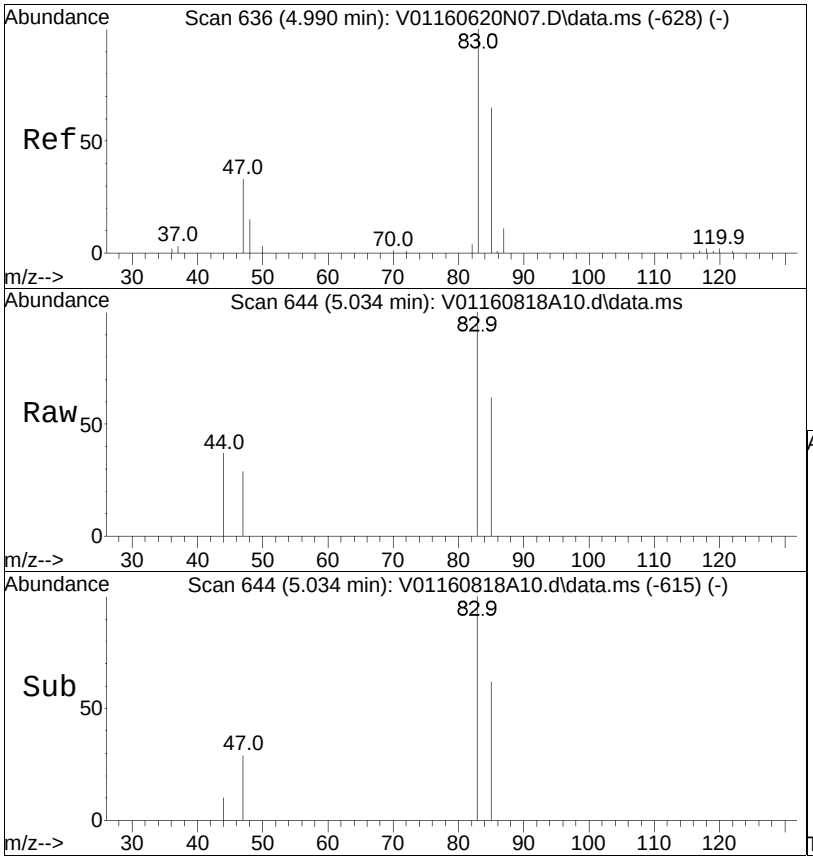


#17
Acetone
Concen: 1.75 ug/L M1
RT: 3.501 min Scan# 363
Delta R.T. 0.006 min
Lab File: V01160818A10.d
Acq: 18 Aug 2016 12:25 pm

Tgt Ion: 43 Resp: 2923

Ion	Ratio	Lower	Upper
43	100		
58	19.4	18.5	27.7

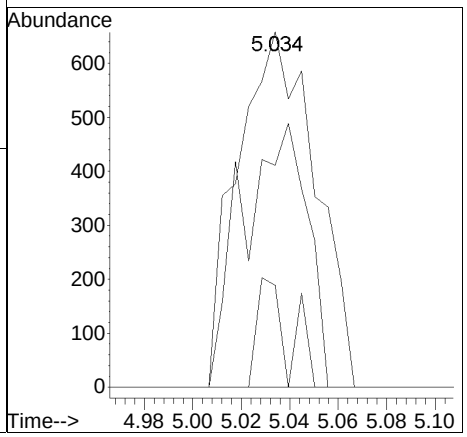


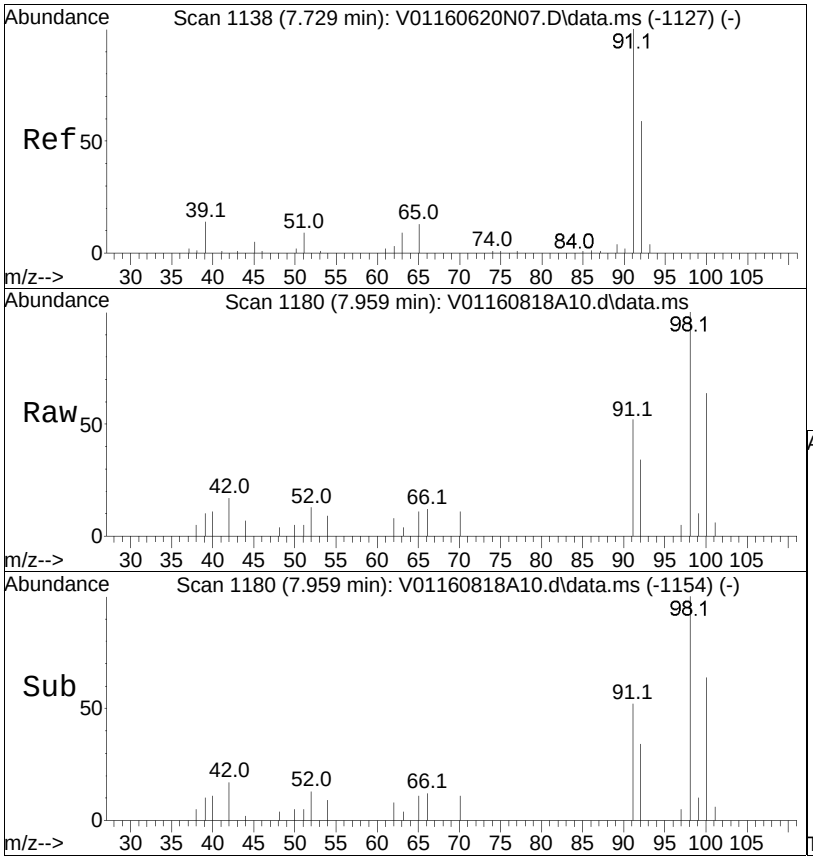


#32
Chloroform
Concen: 0.09 ug/L
RT: 5.034 min Scan# 644
Delta R.T. 0.006 min
Lab File: V01160818A10.d
Acq: 18 Aug 2016 12:25 pm

Tgt Ion: 83 Resp: 1467

Ion	Ratio	Lower	Upper
83	100		
85	61.8	42.3	87.9
47	12.6	20.5	42.7#
48	0.0	9.8	20.4#

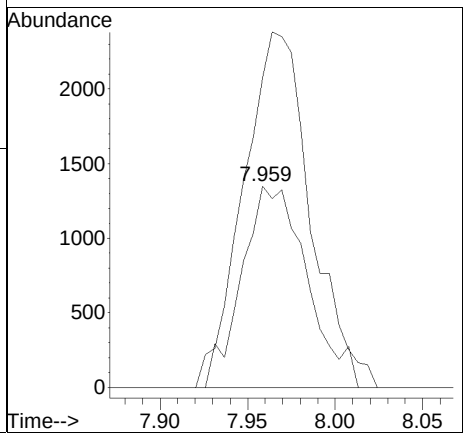




#61
Toluene
Concen: 0.15 ug/L
RT: 7.959 min Scan# 1180
Delta R.T. -0.005 min
Lab File: V01160818A10.d
Acq: 18 Aug 2016 12:25 pm

Tgt Ion: 92 Resp: 3483

Ion	Ratio	Lower	Upper
92	100		
91	182.8	135.4	203.0

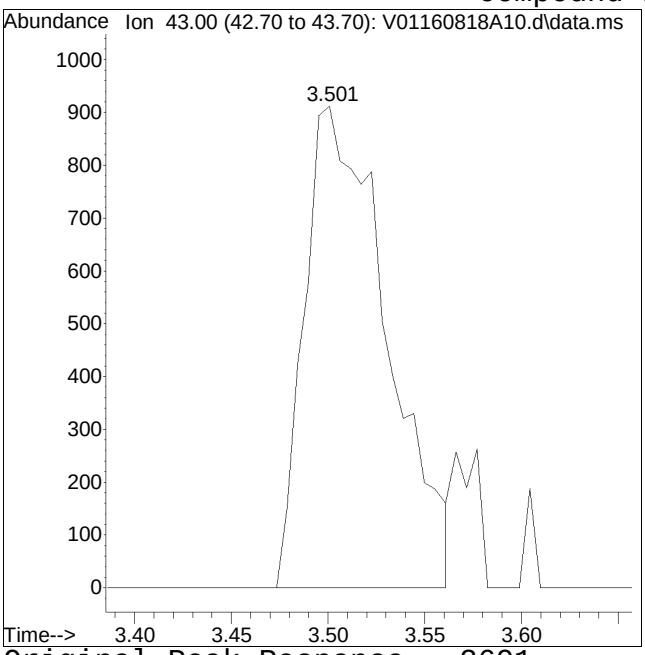


Manual Integration Report

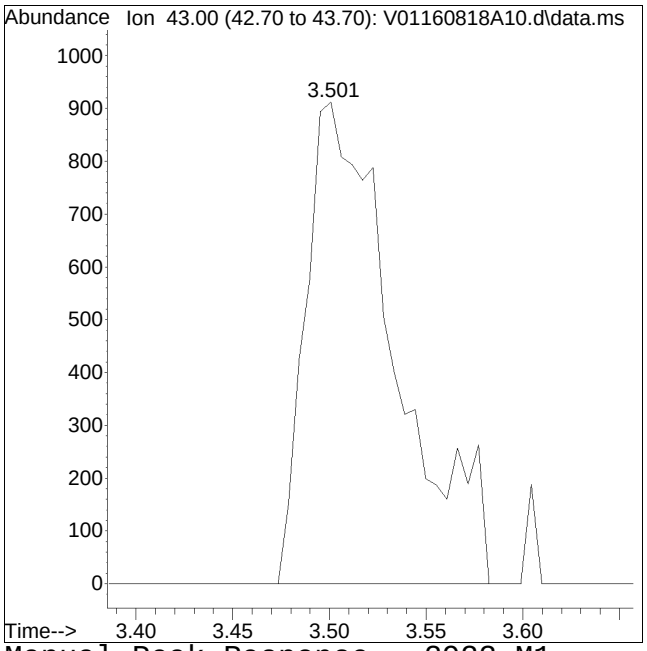
Data Path : I:\VOLATILES\VOA101\2016\1Q
Data File : V01160818A10.d
Date Inj'd : 8/18/2016 12:25 pm
Sample : l1625236-04,31,10,10,,a

Method : V101_160809_8260.m
Operator : VOA101:PD
Instrument : VOA 101
Quant Date : 8/18/2016 12:55 pm

Compound #17: Acetone



Original Peak Response = 2691



Manual Peak Response = 2923 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A11.d
Acq On : 18 Aug 2016 12:53 pm
Operator : VOA101:PD
Sample : l1625236-05,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 18 13:17:04 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.076	96	441945	10.000	ug/L	0.00
Standard Area 1 = 614919			Recovery = 71.87%			
59) Chlorobenzene-d5	9.906	117	301897	10.000	ug/L	0.00
Standard Area 1 = 416180			Recovery = 72.54%			
79) 1,4-Dichlorobenzene-d4	12.793	152	125232	10.000	ug/L	0.00
Standard Area 1 = 172755			Recovery = 72.49%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.219	113	106380	9.404	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.04%			
43) 1,2-Dichloroethane-d4	5.776	65	117381	9.025	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.25%			
60) Toluene-d8	7.899	98	420230	10.324	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.24%			
83) 4-Bromofluorobenzene	11.483	95	135577	10.868	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.68%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.766	50	76	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.148	94	121	N.D.		
6) Chloroethane	2.191	64	50	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.922	76	2958	0.096	ug/L #	90
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.506	43	1602	0.463	ug/L #	60
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.577	43	49	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	4.963	56	50	N.D.		
32) Chloroform	5.028	83	1372	0.081	ug/L #	61

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A11.d
Acq On : 18 Aug 2016 12:53 pm
Operator : VOA101:PD
Sample : l1625236-05,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 18 13:17:04 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D.		
41) Benzene	5.634	78	1707	N.D.		
44) 1,2-Dichloroethane	5.847	62	49	N.D.		
47) Methyl cyclohexane	0.000		0	N.D.		
48) Trichloroethene	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.959	92	3167	0.137	ug/L	94
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	9.977	91	699	N.D.		
76) p/m Xylene	10.174	106	949	N.D.		
77) o Xylene	10.741	106	453	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	12.722	146	59	N.D.		
101) 1,4-Dichlorobenzene	12.809	146	333	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

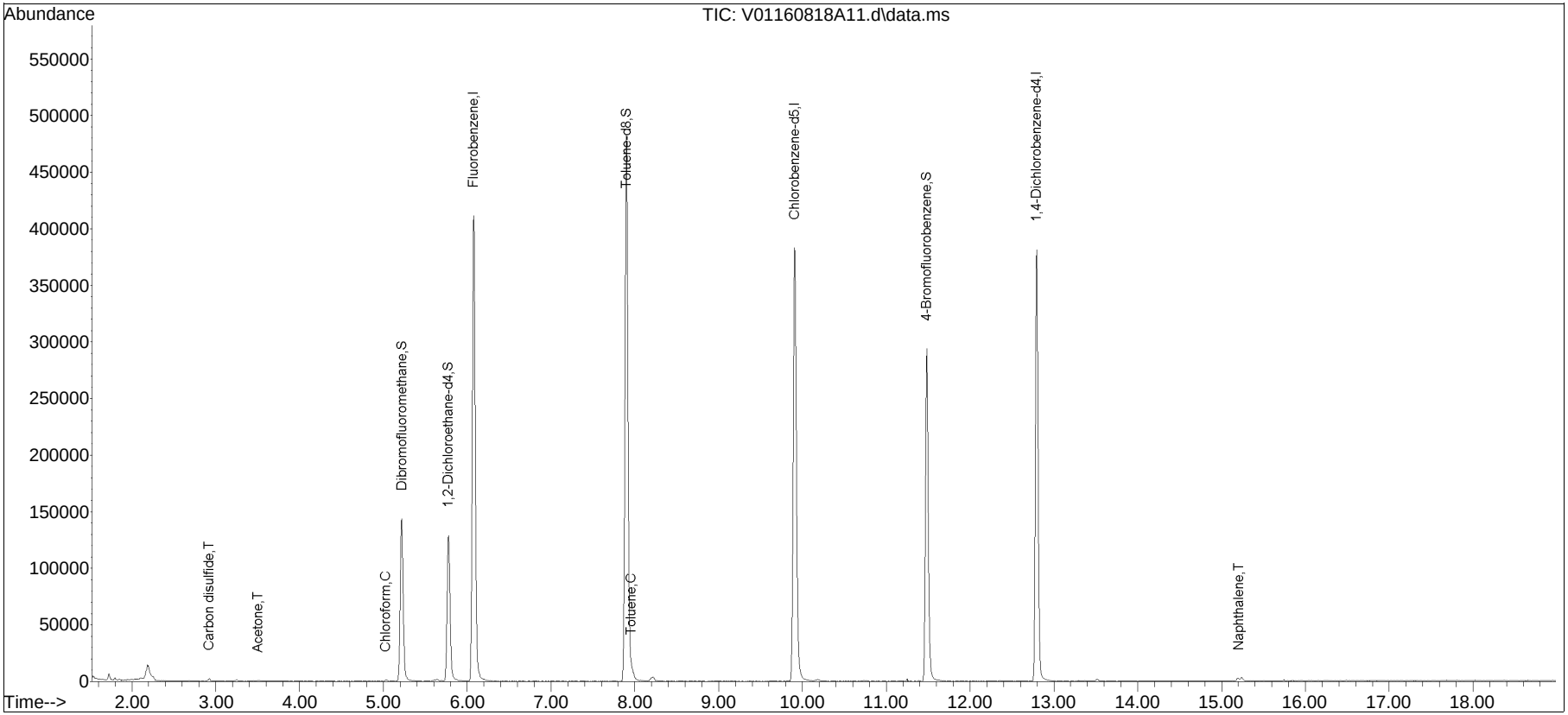
(#) = qualifier out of range (m) = manual integration (+) = signals summed

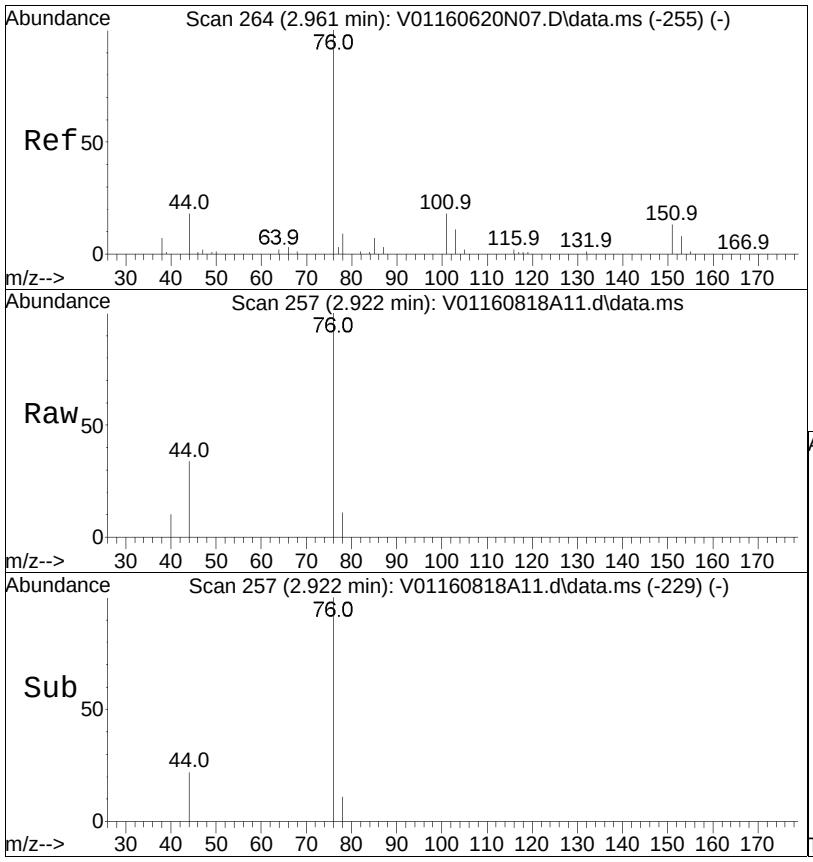
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A11.d
Acq On : 18 Aug 2016 12:53 pm
Operator : VOA101:PD
Sample : l1625236-05,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 18 13:17:04 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox60818A\V01160818A02.d•

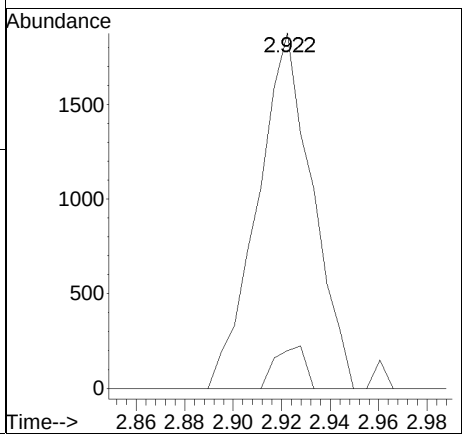


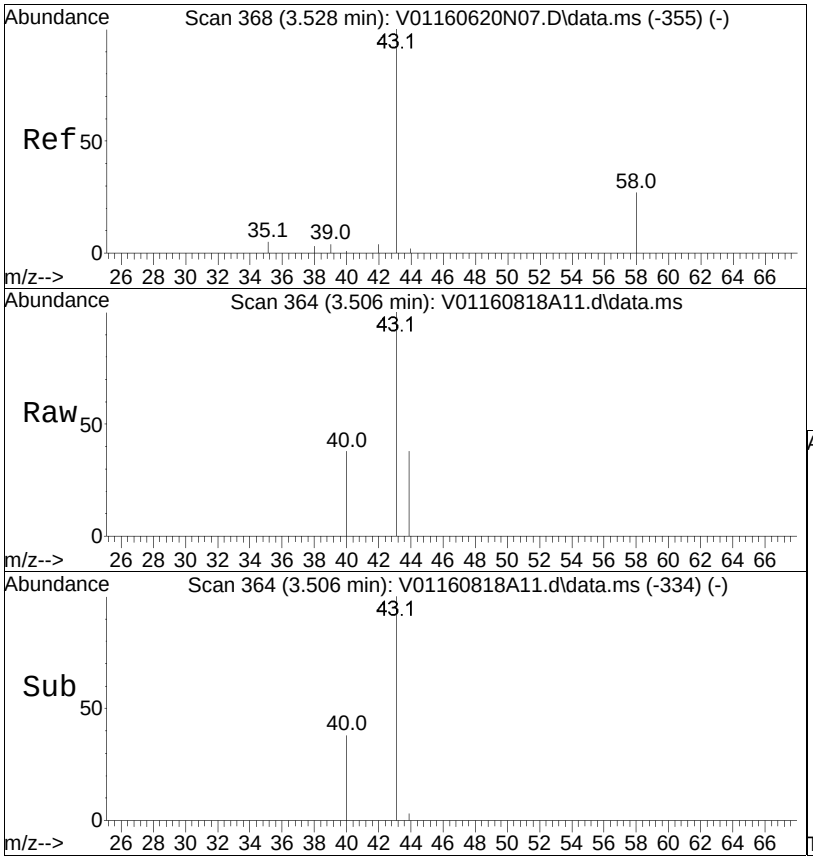


#11
Carbon disulfide
Concen: 0.10 ug/L
RT: 2.922 min Scan# 257
Delta R.T. 0.005 min
Lab File: V01160818A11.d
Acq: 18 Aug 2016 12:53 pm

Tgt Ion: 76 Resp: 2958

Ion	Ratio	Lower	Upper
76	100		
78	6.5	6.5	13.5#

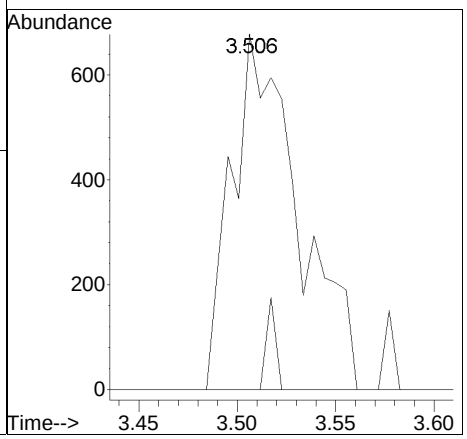


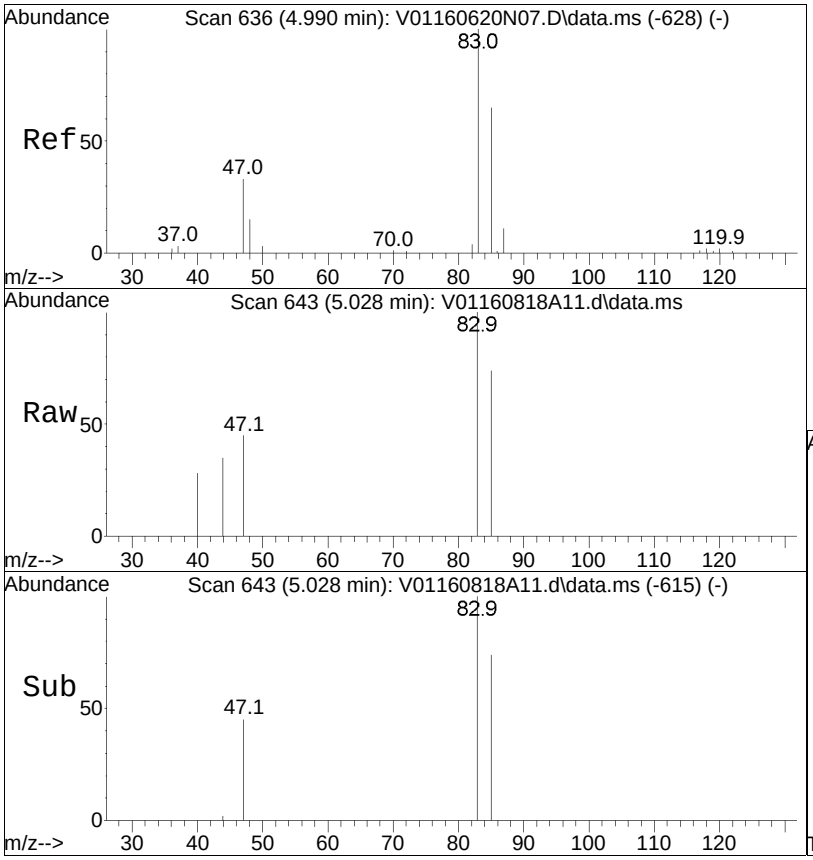


#17
Acetone
Concen: 0.46 ug/L
RT: 3.506 min Scan# 364
Delta R.T. 0.011 min
Lab File: V01160818A11.d
Acq: 18 Aug 2016 12:53 pm

Tgt Ion: 43 Resp: 1602

Ion	Ratio	Lower	Upper
43	100		
58	3.6	18.5	27.7#

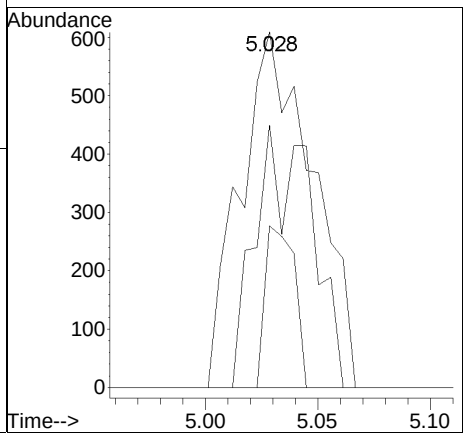


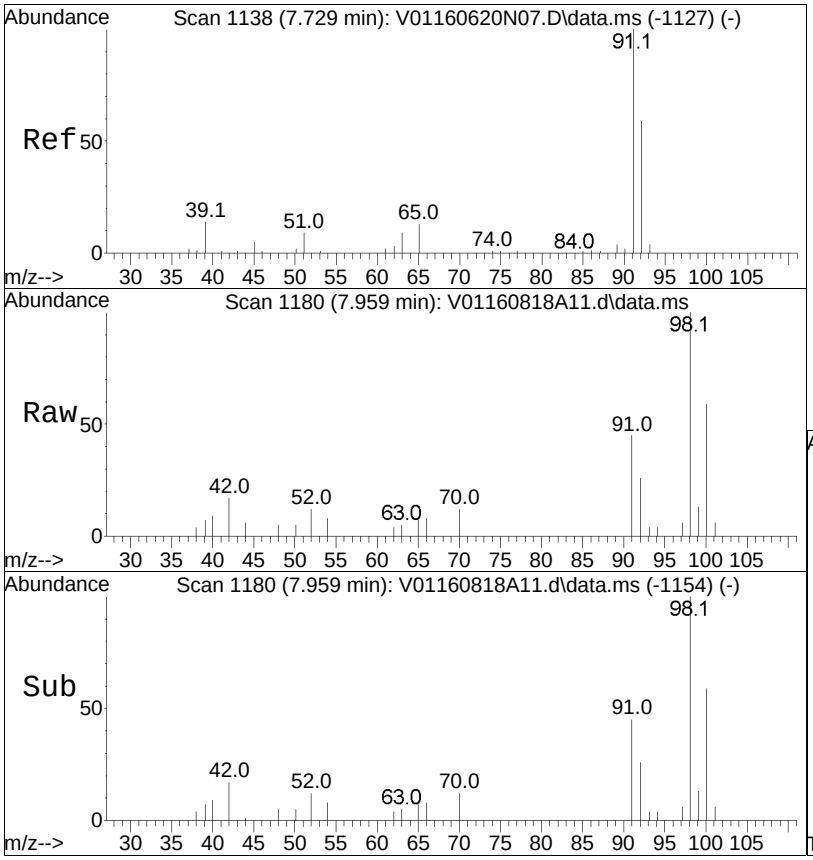


#32
Chloroform
Concen: 0.08 ug/L
RT: 5.028 min Scan# 643
Delta R.T. 0.000 min
Lab File: V01160818A11.d
Acq: 18 Aug 2016 12:53 pm

Tgt Ion: 83 Resp: 1372

Ion	Ratio	Lower	Upper
83	100		
85	28.4	42.3	87.9#
47	18.3	20.5	42.7#
48	0.0	9.8	20.4#

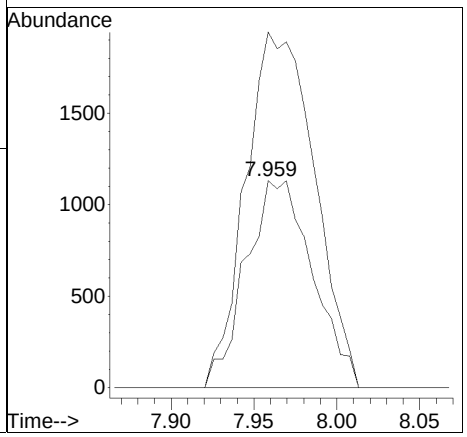




#61
Toluene
Concen: 0.14 ug/L
RT: 7.959 min Scan# 1180
Delta R.T. -0.005 min
Lab File: V01160818A11.d
Acq: 18 Aug 2016 12:53 pm

Tgt Ion: 92 Resp: 3167

Ion	Ratio	Lower	Upper
92	100		
91	177.4	135.4	203.0



Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A12.d
Acq On : 18 Aug 2016 1:21 pm
Operator : VOA101:PD
Sample : l1625236-06,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 18 13:45:37 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.076	96	429746	10.000	ug/L	0.00
Standard Area 1 = 614919			Recovery = 69.89%			
59) Chlorobenzene-d5	9.907	117	293596	10.000	ug/L	0.00
Standard Area 1 = 416180			Recovery = 70.55%			
79) 1,4-Dichlorobenzene-d4	12.793	152	121864	10.000	ug/L	0.00
Standard Area 1 = 172755			Recovery = 70.54%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.220	113	103885	9.444	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.44%			
43) 1,2-Dichloroethane-d4	5.776	65	116286	9.194	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.94%			
60) Toluene-d8	7.899	98	410536	10.371	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.71%			
83) 4-Bromofluorobenzene	11.484	95	133338	10.984	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.84%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.766	50	373	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.148	94	120	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.922	76	1876	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.452	84	164	N.D.		
17) Acetone	3.512	43	1020	Below Cal #		63
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D. d		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	5.040	83	1040	N.D.		

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A12.d
Acq On : 18 Aug 2016 1:21 pm
Operator : VOA101:PD
Sample : l1625236-06,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 18 13:45:37 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D.		
41) Benzene	5.651	78	1005	N.D.		
44) 1,2-Dichloroethane	5.869	62	55	N.D.		
47) Methyl cyclohexane	0.000		0	N.D.		
48) Trichloroethene	6.185	95	110	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.964	92	3750	0.167	ug/L	90
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	9.918	112	52	N.D.		
74) Ethylbenzene	9.978	91	669	N.D.		
76) p/m Xylene	10.169	106	192	N.D.		
77) o Xylene	10.736	106	102	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	12.733	146	51	N.D.		
101) 1,4-Dichlorobenzene	12.804	146	63	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

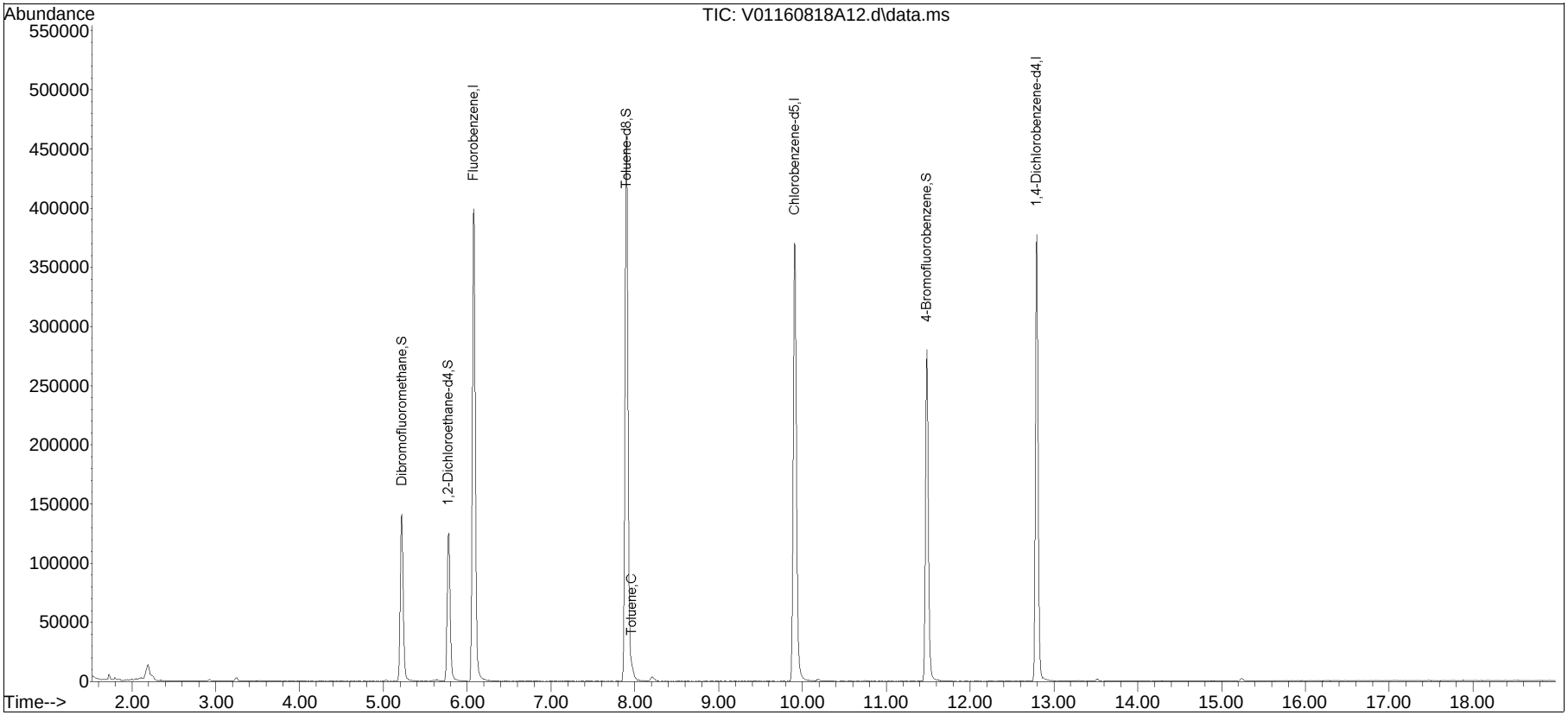
(#) = qualifier out of range (m) = manual integration (+) = signals summed

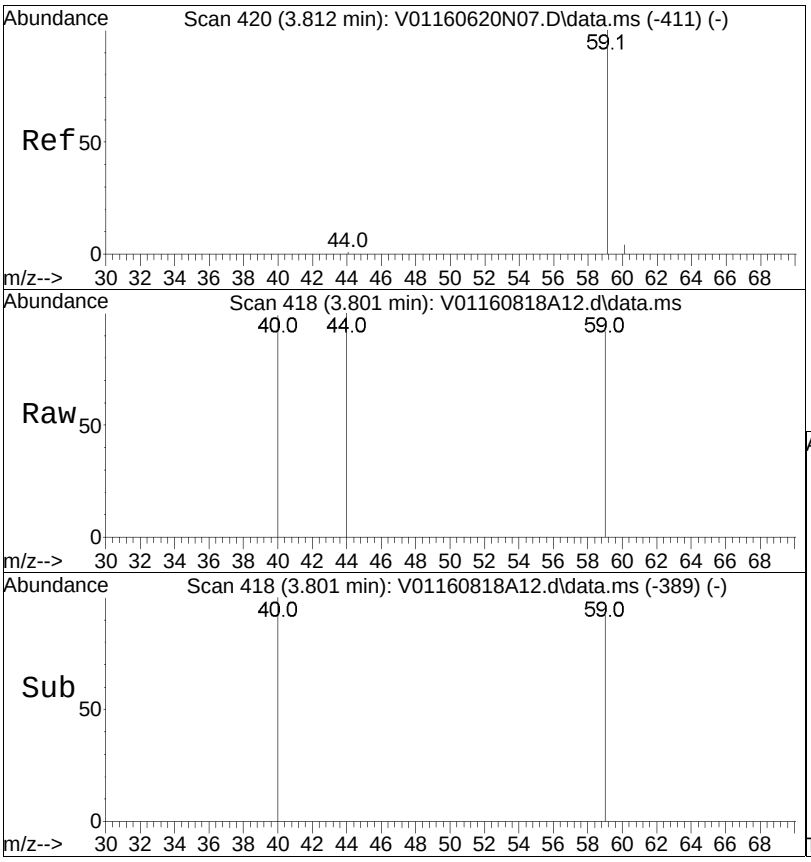
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A12.d
Acq On : 18 Aug 2016 1:21 pm
Operator : VOA101:PD
Sample : l1625236-06,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 18 13:45:37 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox60818A\V01160818A02.d•

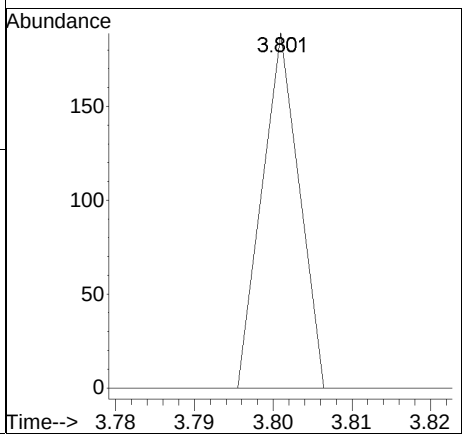




#21
tert-Butyl alcohol
Concen: Below Cal
RT: 3.801 min Scan# 418
Delta R.T. 0.006 min
Lab File: V01160818A12.d
Acq: 18 Aug 2016 1:21 pm

Tgt Ion: 59 Resp: 62

Ion	Ratio	Lower	Upper
59	100		
41	0.0	21.5	44.7#
43	0.0	0.0	0.0



Manual Integration Report

Data Path	: I:\VOLATILES\VOA101\2016\1	QMethod	: V101_160809_8260.m
Data File	: V01160818A12.d	Operator	: VOA101:PD
Date Inj'd	: 8/18/2016 1:21 pm	Instrument	: VOA 101
Sample	: l1625236-06,31,10,10,,a	Quant Date	: 8/18/2016 1:45 pm

There are no manual integrations or false positives in this file.

Manual Integration Report

Data Path	: I:\VOLATILES\VOA101\2016\1	QMethod	: V101_160809_8260.m
Data File	: V01160818A12.d	Operator	: VOA101:PD
Date Inj'd	: 8/18/2016 1:21 pm	Instrument	: VOA 101
Sample	: l1625236-06,31,10,10,,a	Quant Date	: 8/18/2016 1:45 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A13.d
Acq On : 18 Aug 2016 1:49 pm
Operator : VOA101:PD
Sample : l1625236-07,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 18 14:10:09 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.082	96	428034	10.000	ug/L	0.00
Standard Area 1 = 614919			Recovery = 69.61%			
59) Chlorobenzene-d5	9.907	117	293295	10.000	ug/L	0.00
Standard Area 1 = 416180			Recovery = 70.47%			
79) 1,4-Dichlorobenzene-d4	12.799	152	123343	10.000	ug/L	0.00
Standard Area 1 = 172755			Recovery = 71.40%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.214	113	103066	9.407	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.07%			
43) 1,2-Dichloroethane-d4	5.776	65	117353	9.316	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.16%			
60) Toluene-d8	7.899	98	409018	10.343	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.43%			
83) 4-Bromofluorobenzene	11.484	95	135727	11.047	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.47%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.771	50	330	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.159	94	301	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.917	76	1467	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.463	84	182	N.D.		
17) Acetone	3.512	43	1816	0.716	ug/L #	58
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.615	43	63	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	5.040	83	1028	N.D.		

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A13.d
Acq On : 18 Aug 2016 1:49 pm
Operator : VOA101:PD
Sample : l1625236-07,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 18 14:10:09 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D.		
41) Benzene	5.634	78	1025	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
47) Methyl cyclohexane	0.000		0	N.D.		
48) Trichloroethene	6.185	95	121	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.970	92	2926	0.130	ug/L	99
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	9.956	91	202	N.D.		
76) p/m Xylene	10.185	106	380	N.D.		
77) o Xylene	10.752	106	117	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	12.809	146	171	N.D.		
101) 1,4-Dichlorobenzene	12.809	146	171	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

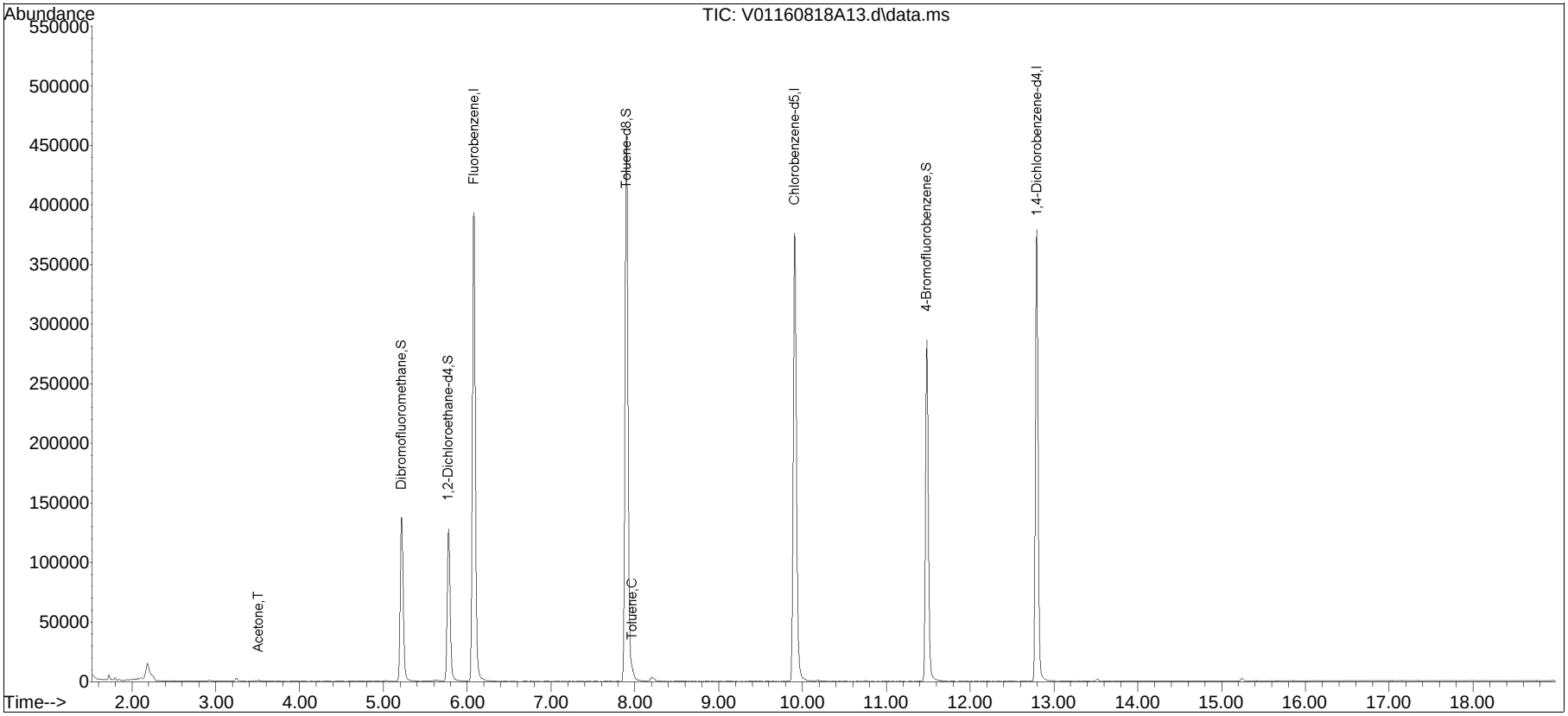
(#) = qualifier out of range (m) = manual integration (+) = signals summed

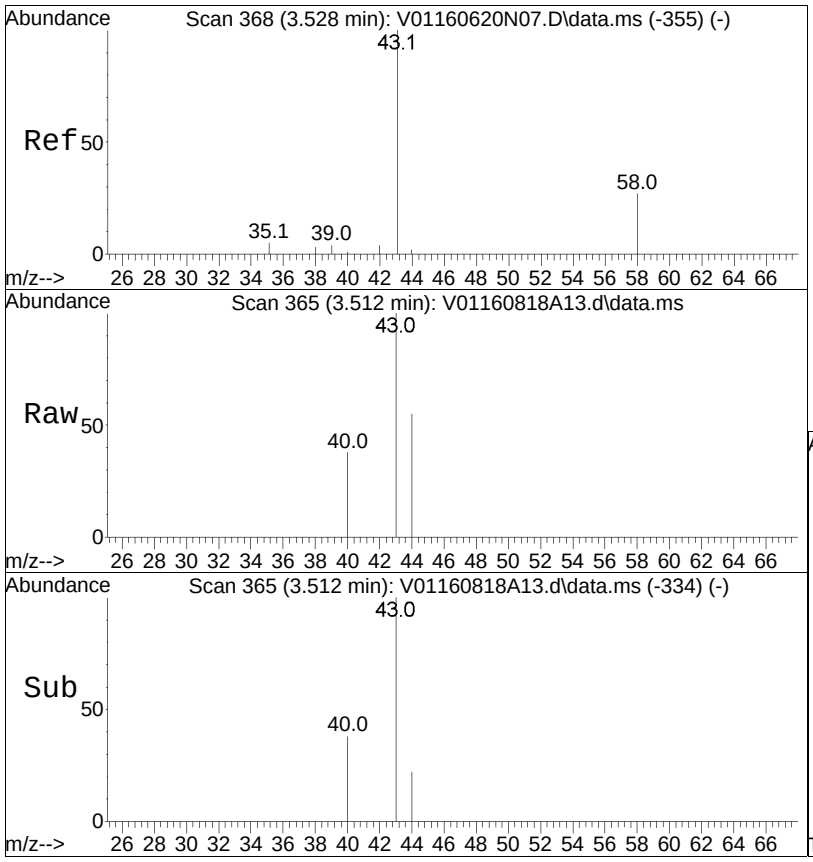
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A13.d
Acq On : 18 Aug 2016 1:49 pm
Operator : VOA101:PD
Sample : l1625236-07,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 18 14:10:09 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox60818A\V01160818A02.d•

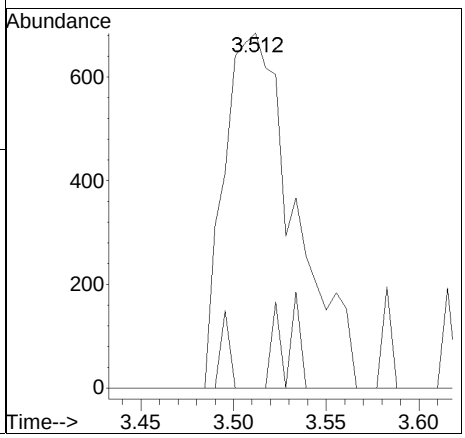


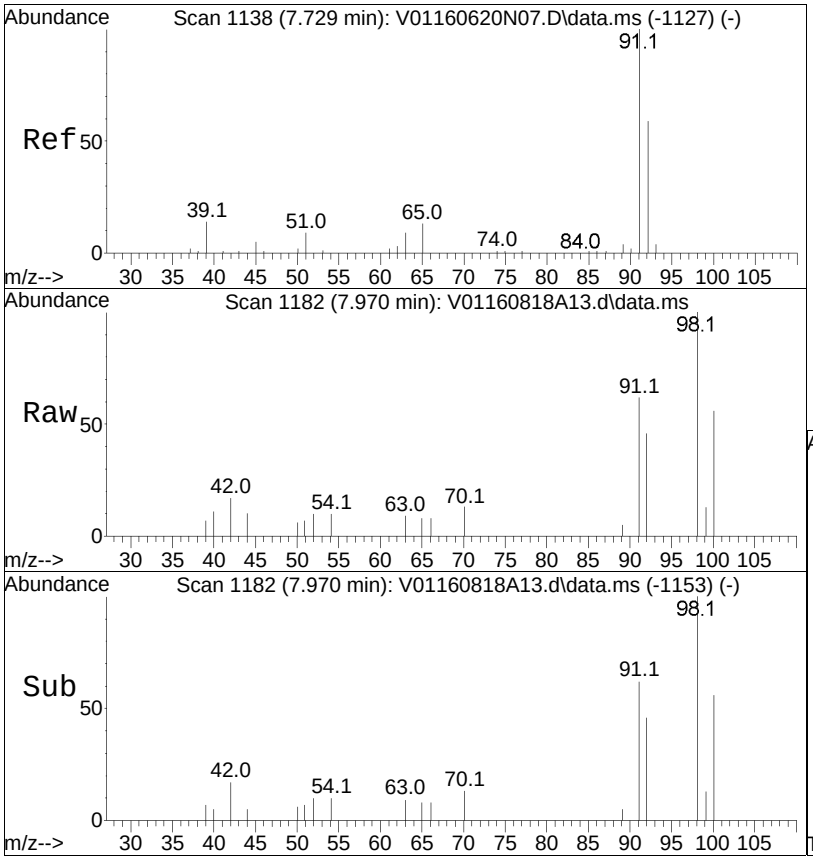


#17
Acetone
Concen: 0.72 ug/L
RT: 3.512 min Scan# 365
Delta R.T. 0.017 min
Lab File: V01160818A13.d
Acq: 18 Aug 2016 1:49 pm

Tgt Ion: 43 Resp: 1816

Ion	Ratio	Lower	Upper
43	100		
58	2.7	18.5	27.7#

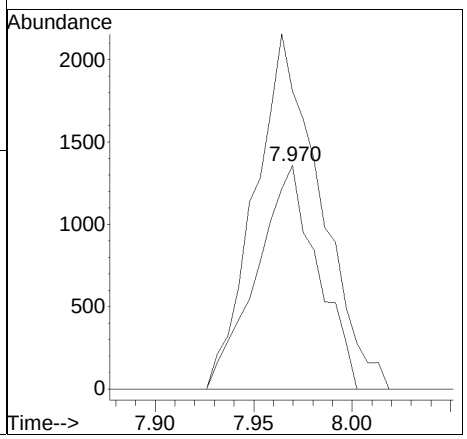




#61
Toluene
Concen: 0.13 ug/L
RT: 7.970 min Scan# 1182
Delta R.T. 0.006 min
Lab File: V01160818A13.d
Acq: 18 Aug 2016 1:49 pm

Tgt Ion: 92 Resp: 2926

Ion	Ratio	Lower	Upper
92	100		
91	170.5	135.4	203.0



Manual Integration Report

Data Path	: I:\VOLATILES\VOA101\2016\1	QMethod	: V101_160809_8260.m
Data File	: V01160818A13.d	Operator	: VOA101:PD
Date Inj'd	: 8/18/2016 1:49 pm	Instrument	: VOA 101
Sample	: l1625236-07,31,10,10,,a	Quant Date	: 8/18/2016 2:10 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A14.d
Acq On : 18 Aug 2016 2:17 pm
Operator : VOA101:PD
Sample : l1625236-08,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 18 14:38:18 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.082	96	425398	10.000	ug/L	0.00
Standard Area 1 = 614919			Recovery = 69.18%			
59) Chlorobenzene-d5	9.912	117	293827	10.000	ug/L	0.00
Standard Area 1 = 416180			Recovery = 70.60%			
79) 1,4-Dichlorobenzene-d4	12.793	152	121848	10.000	ug/L	0.00
Standard Area 1 = 172755			Recovery = 70.53%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.219	113	103748	9.528	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.28%			
43) 1,2-Dichloroethane-d4	5.781	65	116889	9.336	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.36%			
60) Toluene-d8	7.899	98	407658	10.290	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.90%			
83) 4-Bromofluorobenzene	11.483	95	134531	11.084	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.84%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.771	50	160	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.158	94	142	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.917	76	1094	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.501	43	420	Below Cal #		77
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.572	43	114	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	5.039	83	1121	N.D.		

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A14.d
Acq On : 18 Aug 2016 2:17 pm
Operator : VOA101:PD
Sample : l1625236-08,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 18 14:38:18 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D.		
41) Benzene	5.640	78	766	N.D.		
44) 1,2-Dichloroethane	5.836	62	105	N.D.		
47) Methyl cyclohexane	0.000		0	N.D.		
48) Trichloroethene	6.169	95	402	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.969	92	1607	0.071	ug/L	76
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	9.983	91	299	N.D.		
76) p/m Xylene	10.190	106	398	N.D.		
77) o Xylene	10.747	106	49	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	12.717	146	51	N.D.		
101) 1,4-Dichlorobenzene	12.815	146	251	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

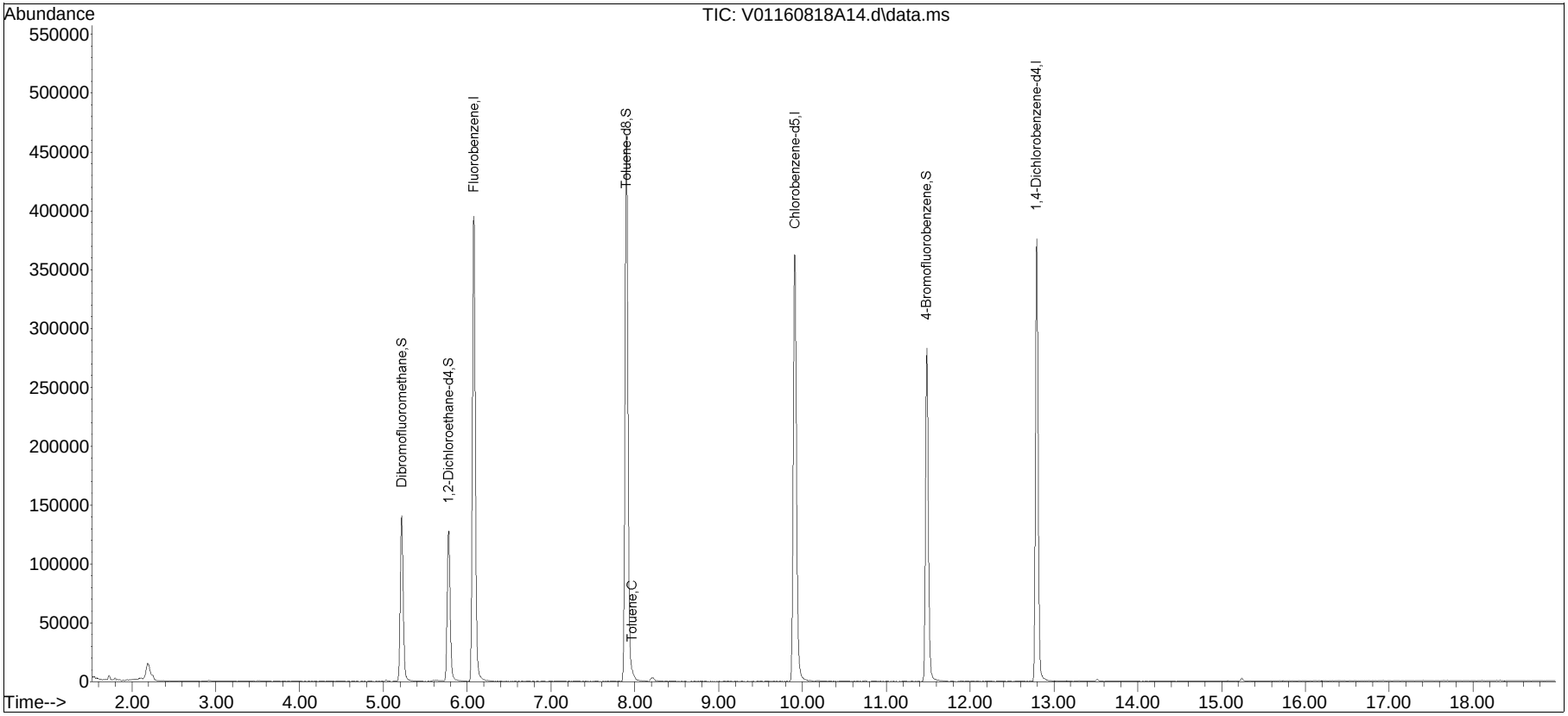
(#) = qualifier out of range (m) = manual integration (+) = signals summed

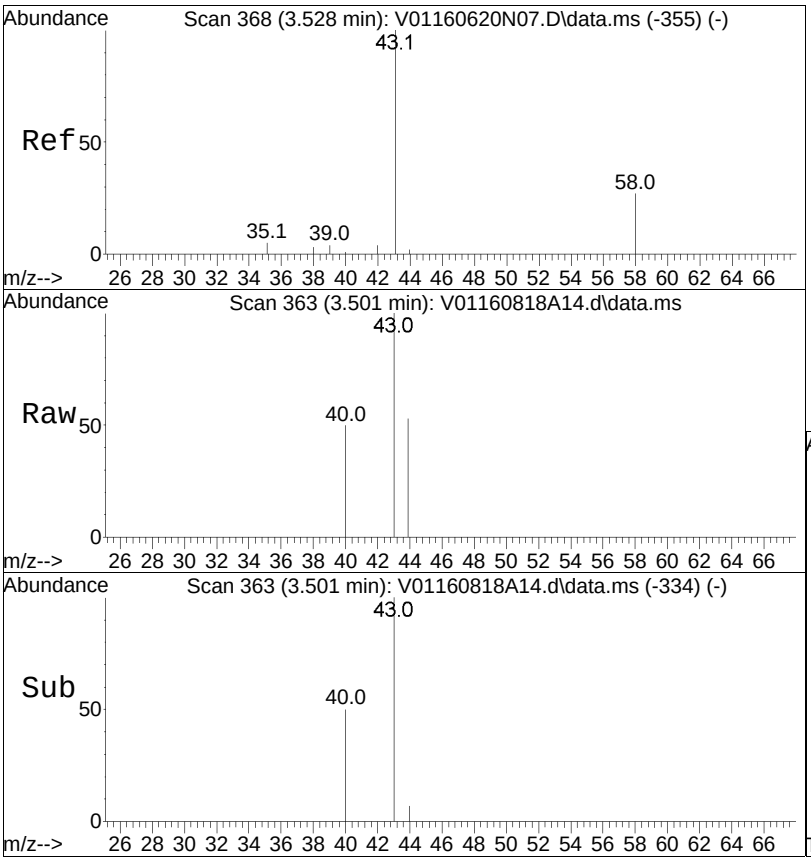
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A14.d
Acq On : 18 Aug 2016 2:17 pm
Operator : VOA101:PD
Sample : l1625236-08,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 18 14:38:18 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox60818A\V01160818A02.d•

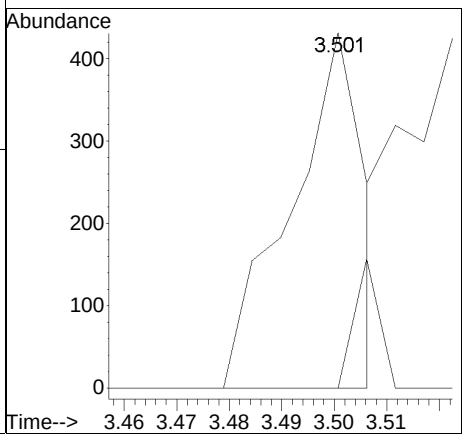


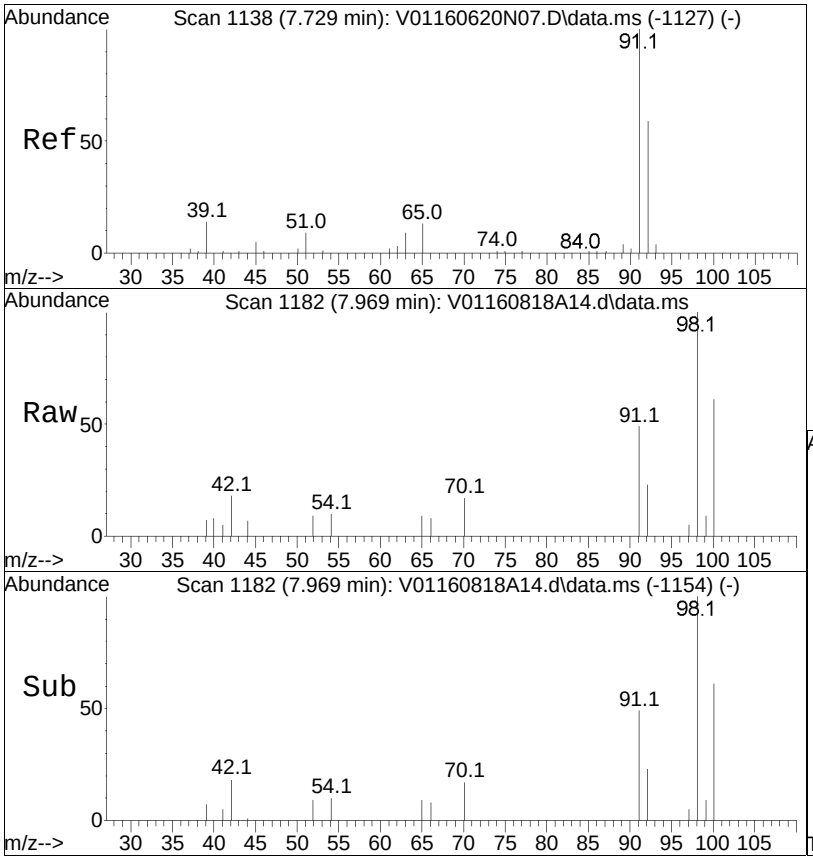


#17
Acetone
Concen: Below Cal
RT: 3.501 min Scan# 363
Delta R.T. 0.006 min
Lab File: V01160818A14.d
Acq: 18 Aug 2016 2:17 pm

Tgt Ion: 43 Resp: 420

Ion	Ratio	Lower	Upper
43	100		
58	12.1	18.5	27.7#

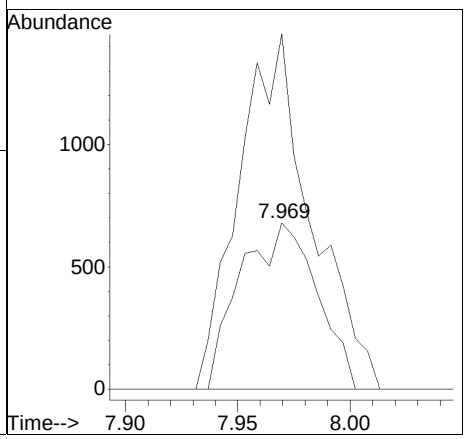




#61
Toluene
Concen: 0.07 ug/L
RT: 7.969 min Scan# 1182
Delta R.T. 0.005 min
Lab File: V01160818A14.d
Acq: 18 Aug 2016 2:17 pm

Tgt Ion: 92 Resp: 1607

Ion	Ratio	Lower	Upper
92	100		
91	202.1	135.4	203.0



Manual Integration Report

Data Path	: I:\VOLATILES\VOA101\2016\1	QMethod	: V101_160809_8260.m
Data File	: V01160818A14.d	Operator	: VOA101:PD
Date Inj'd	: 8/18/2016 2:17 pm	Instrument	: VOA 101
Sample	: l1625236-08,31,10,10,,a	Quant Date	: 8/18/2016 2:38 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A15.d
Acq On : 18 Aug 2016 2:45 pm
Operator : VOA101:PD
Sample : l1625236-09,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 18 15:05:50 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.076	96	411468	10.000	ug/L	0.00
Standard Area 1 = 614919			Recovery = 66.91%			
59) Chlorobenzene-d5	9.906	117	284915	10.000	ug/L	0.00
Standard Area 1 = 416180			Recovery = 68.46%			
79) 1,4-Dichlorobenzene-d4	12.793	152	120241	10.000	ug/L	0.00
Standard Area 1 = 172755			Recovery = 69.60%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.219	113	102386	9.721	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.21%			
43) 1,2-Dichloroethane-d4	5.781	65	115970	9.577	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.77%			
60) Toluene-d8	7.899	98	397115	10.338	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.38%			
83) 4-Bromofluorobenzene	11.483	95	131565	10.984	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.84%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.771	50	544	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.153	94	217	N.D.		
6) Chloroethane	2.197	64	57	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.922	76	1223	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.457	84	76	N.D.		
17) Acetone	3.523	43	1649M1	0.620	ug/L	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D. d		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	5.039	83	1288	0.081	ug/L #	82

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A15.d
Acq On : 18 Aug 2016 2:45 pm
Operator : VOA101:PD
Sample : l1625236-09,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 18 15:05:50 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D.		
41) Benzene	5.640	78	566	N.D.		
44) 1,2-Dichloroethane	5.847	62	52	N.D.		
47) Methyl cyclohexane	0.000		0	N.D.		
48) Trichloroethene	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.959	92	1970	0.090	ug/L	96
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	9.972	91	175	N.D.		
76) p/m Xylene	10.179	106	314	N.D.		
77) o Xylene	10.747	106	57	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	12.809	146	76	N.D.		
101) 1,4-Dichlorobenzene	12.809	146	76	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

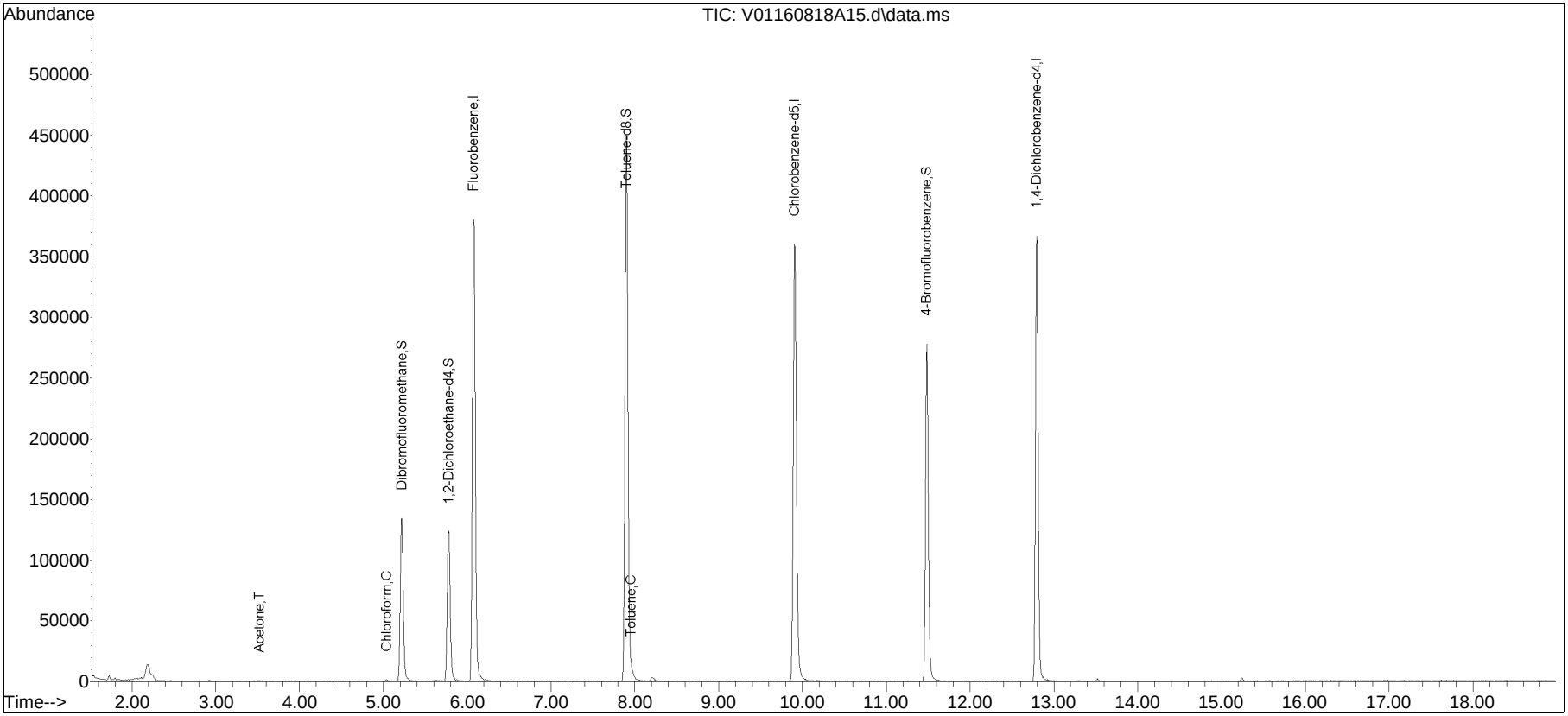
(#) = qualifier out of range (m) = manual integration (+) = signals summed

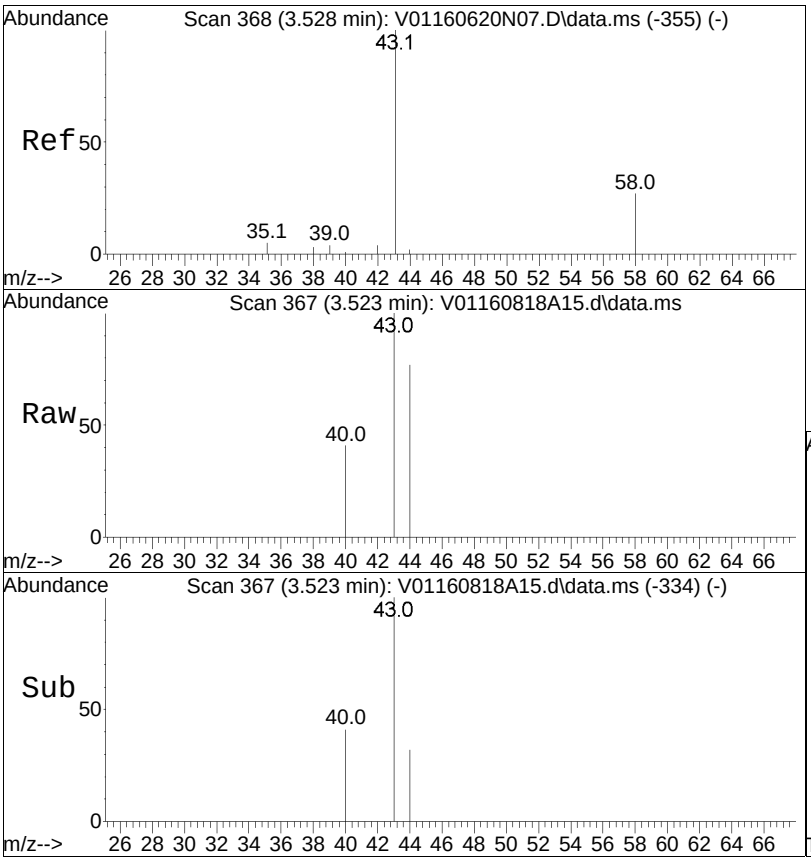
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A15.d
Acq On : 18 Aug 2016 2:45 pm
Operator : VOA101:PD
Sample : l1625236-09,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 18 15:05:50 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox60818A\V01160818A02.d•

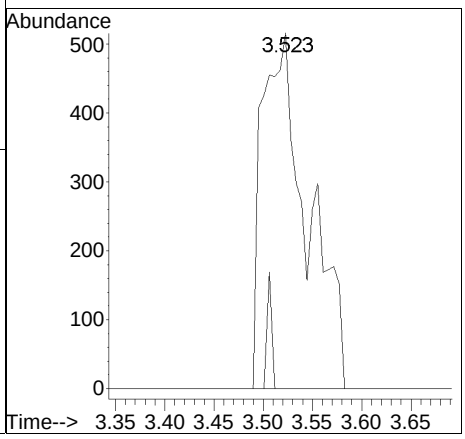


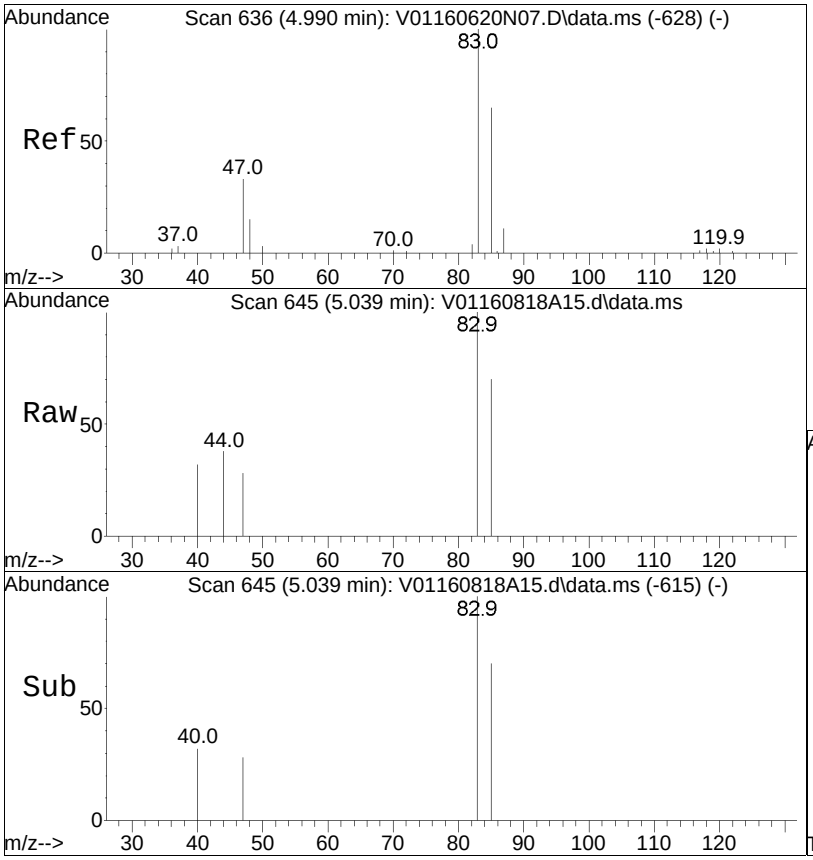


#17
Acetone
Concen: 0.62 ug/L M1
RT: 3.523 min Scan# 367
Delta R.T. 0.028 min
Lab File: V01160818A15.d
Acq: 18 Aug 2016 2:45 pm

Tgt Ion: 43 Resp: 1649

Ion	Ratio	Lower	Upper
43	100		
58	3.3	18.5	27.7#

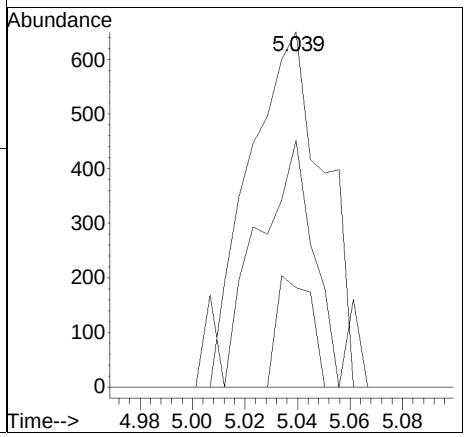


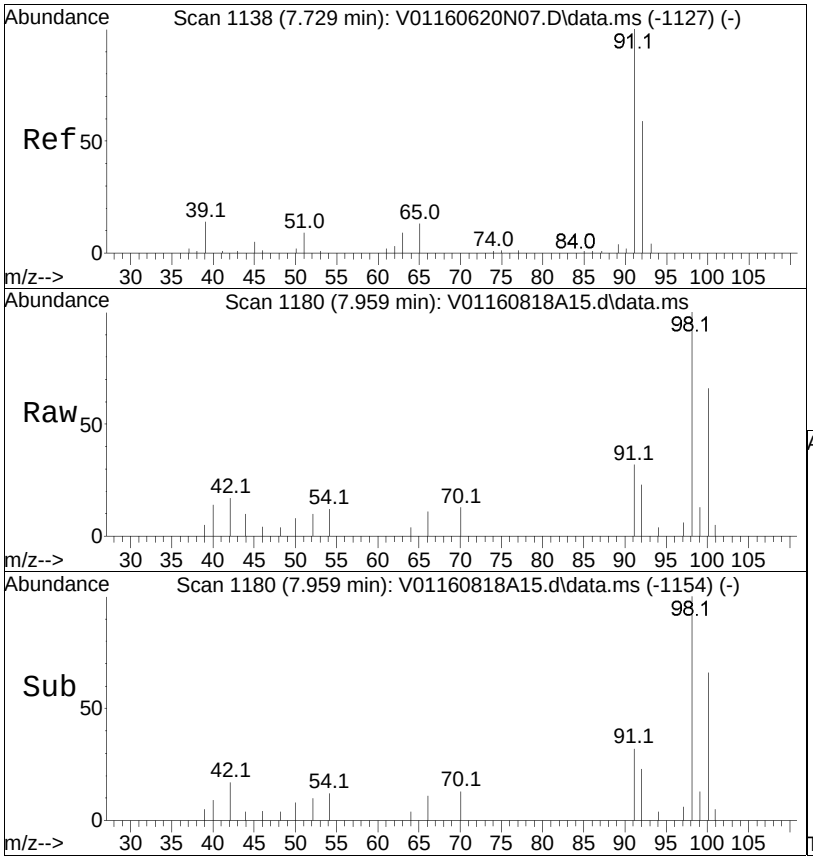


#32
Chloroform
Concen: 0.08 ug/L
RT: 5.039 min Scan# 645
Delta R.T. 0.011 min
Lab File: V01160818A15.d
Acq: 18 Aug 2016 2:45 pm

Tgt Ion: 83 Resp: 1288

Ion	Ratio	Lower	Upper
83	100		
85	59.4	42.3	87.9
47	14.2	20.5	42.7#
48	0.0	9.8	20.4#

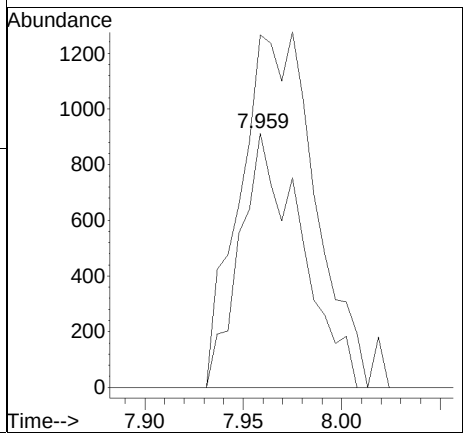




#61
Toluene
Concen: 0.09 ug/L
RT: 7.959 min Scan# 1180
Delta R.T. -0.005 min
Lab File: V01160818A15.d
Acq: 18 Aug 2016 2:45 pm

Tgt Ion: 92 Resp: 1970

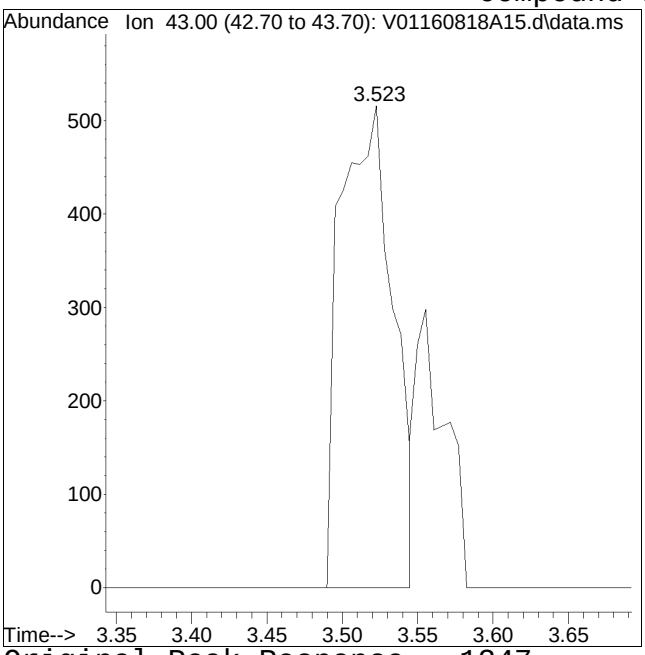
Ion	Ratio	Lower	Upper
92	100		
91	174.8	135.4	203.0

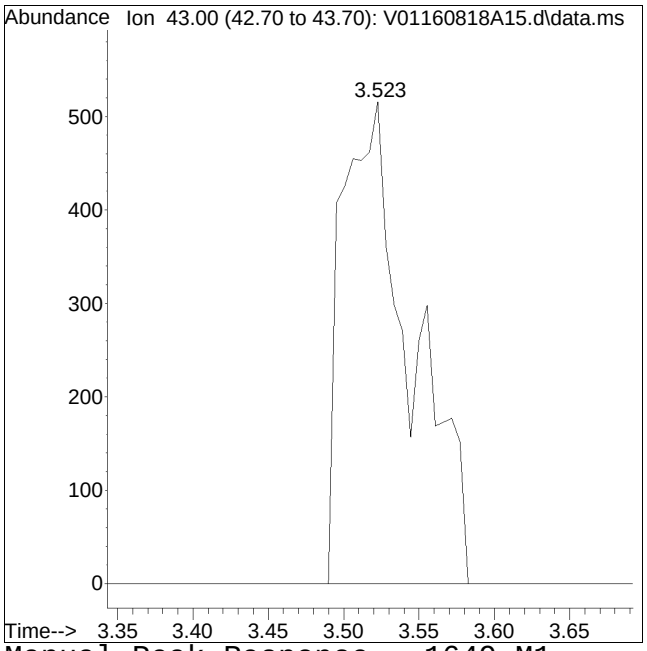


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1QMethod : V101_160809_8260.m
Data File : V01160818A15.d Operator : VOA101:PD
Date Inj'd : 8/18/2016 2:45 pm Instrument : VOA 101
Sample : l1625236-09,31,10,10,,a Quant Date : 8/18/2016 3:05 pm

Compound #17: Acetone





Original Peak Response = 1247 Manual Peak Response = 1649 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A16.d
Acq On : 18 Aug 2016 3:14 pm
Operator : VOA101:PD
Sample : l1625236-10,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 18 15:37:37 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.082	96	412843	10.000	ug/L	0.00
Standard Area 1 = 614919			Recovery = 67.14%			
59) Chlorobenzene-d5	9.907	117	281688	10.000	ug/L	0.00
Standard Area 1 = 416180			Recovery = 67.68%			
79) 1,4-Dichlorobenzene-d4	12.793	152	117752	10.000	ug/L	0.00
Standard Area 1 = 172755			Recovery = 68.16%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.219	113	100895	9.547	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.47%			
43) 1,2-Dichloroethane-d4	5.776	65	112032	9.221	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.21%			
60) Toluene-d8	7.899	98	394603	10.390	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.90%			
83) 4-Bromofluorobenzene	11.483	95	130851	11.156	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.56%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.771	50	579	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.158	94	179	N.D.		
6) Chloroethane	2.186	64	167	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.922	76	1292	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.512	43	1258	0.226	ug/L #	81
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.583	43	50	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	5.034	83	1252	0.079	ug/L #	77

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A16.d
Acq On : 18 Aug 2016 3:14 pm
Operator : VOA101:PD
Sample : l1625236-10,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 18 15:37:37 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D.		
41) Benzene	5.661	78	687	N.D.		
44) 1,2-Dichloroethane	5.847	62	107	N.D.		
47) Methyl cyclohexane	0.000		0	N.D.		
48) Trichloroethene	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.964	92	1900	0.088	ug/L #	75
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	9.972	91	459	N.D.		
76) p/m Xylene	10.185	106	496	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	12.722	146	104	N.D.		
101) 1,4-Dichlorobenzene	12.815	146	161	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

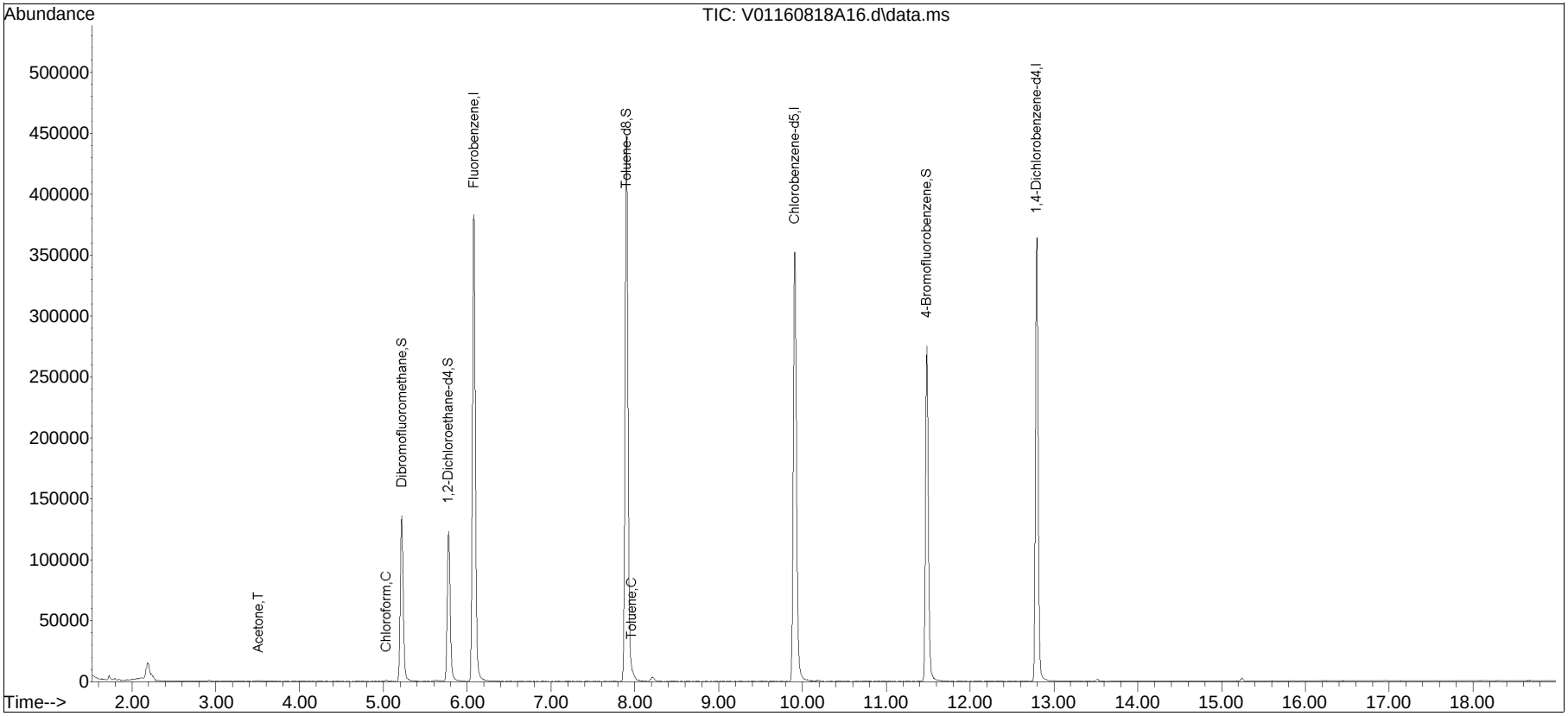
(#) = qualifier out of range (m) = manual integration (+) = signals summed

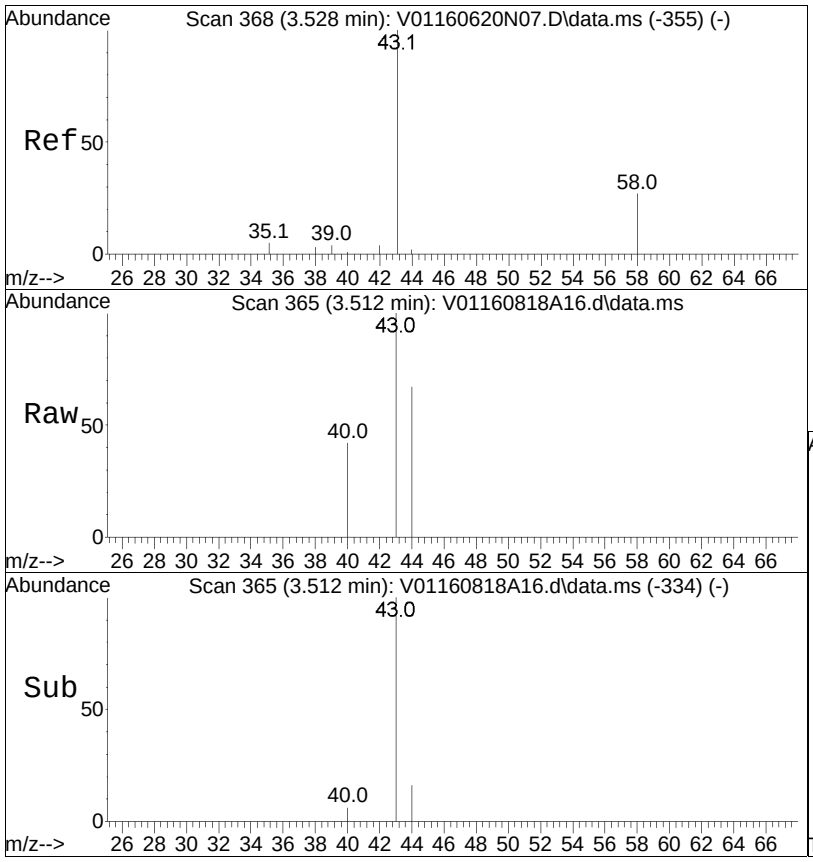
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A16.d
Acq On : 18 Aug 2016 3:14 pm
Operator : VOA101:PD
Sample : l1625236-10,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 18 15:37:37 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox60818A\V01160818A02.d•

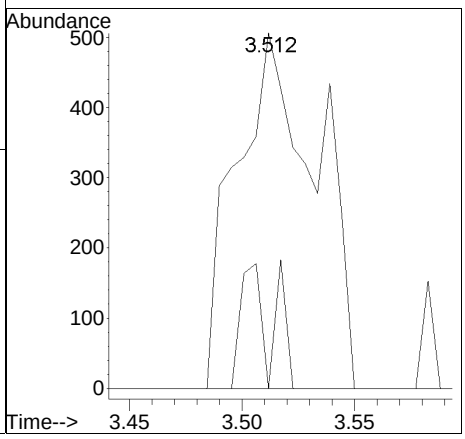


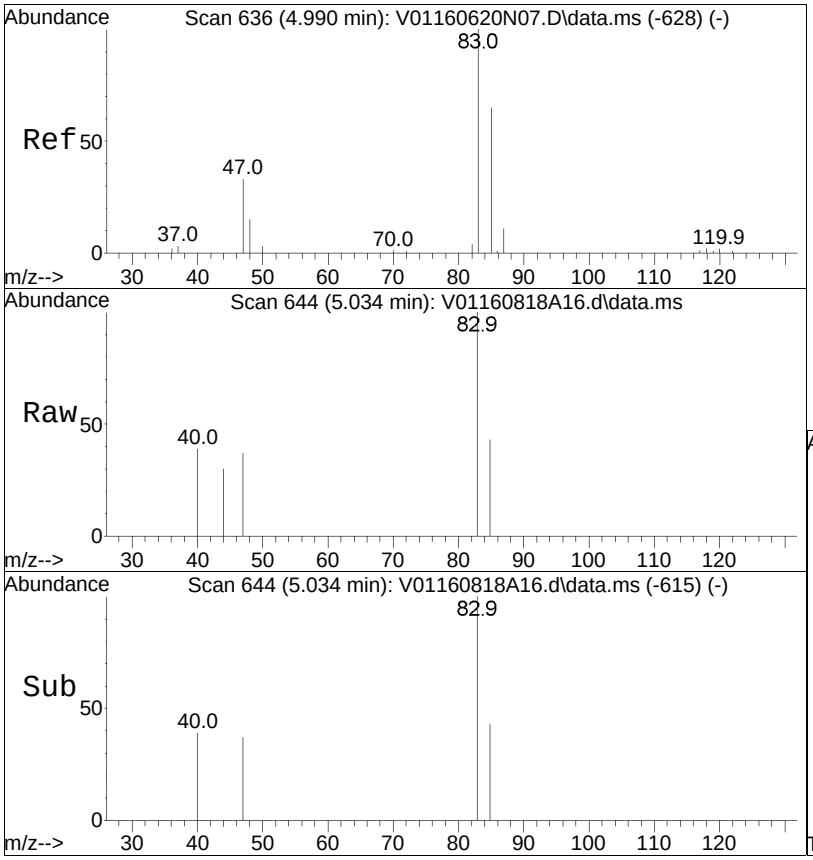


#17
Acetone
Concen: 0.23 ug/L
RT: 3.512 min Scan# 365
Delta R.T. 0.017 min
Lab File: V01160818A16.d
Acq: 18 Aug 2016 3:14 pm

Tgt Ion: 43 Resp: 1258

Ion	Ratio	Lower	Upper
43	100		
58	13.7	18.5	27.7#

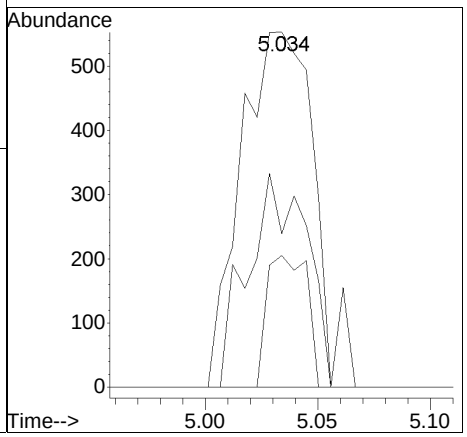


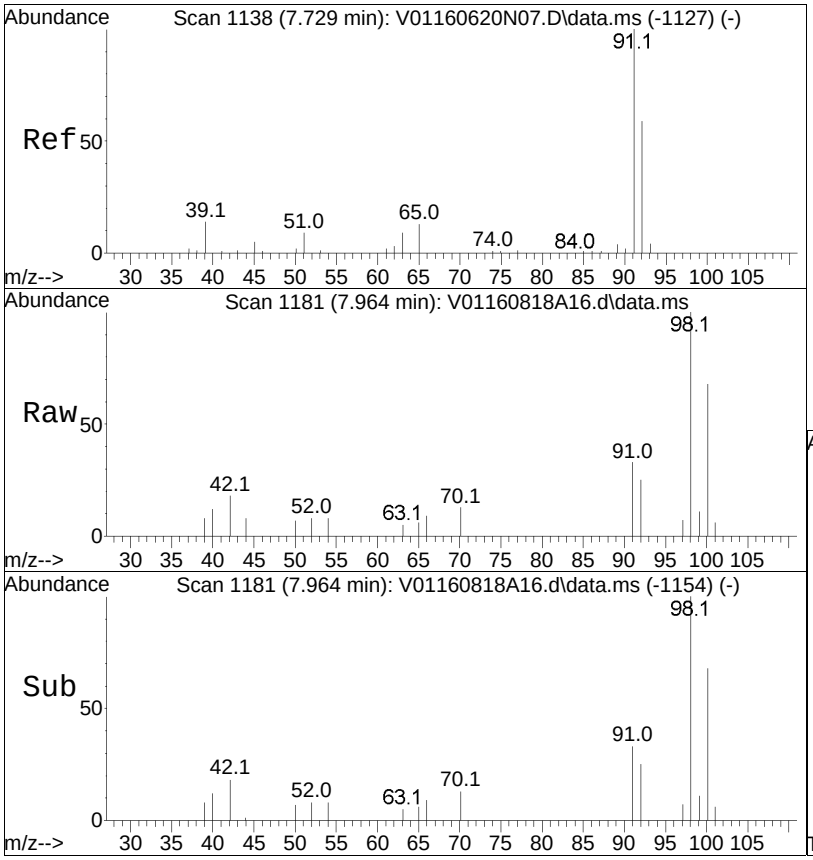


#32
Chloroform
Concen: 0.08 ug/L
RT: 5.034 min Scan# 644
Delta R.T. 0.006 min
Lab File: V01160818A16.d
Acq: 18 Aug 2016 3:14 pm

Tgt Ion: 83 Resp: 1252

Ion	Ratio	Lower	Upper
83	100		
85	47.9	42.3	87.9
47	20.2	20.5	42.7#
48	0.0	9.8	20.4#

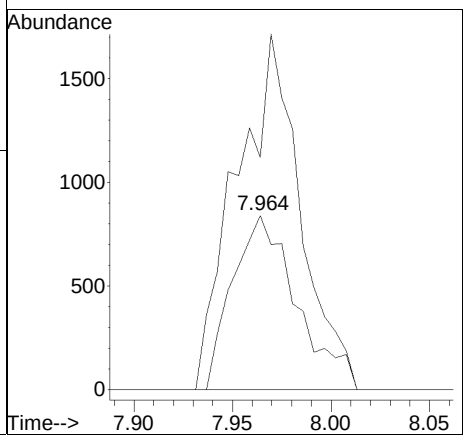




#61
Toluene
Concen: 0.09 ug/L
RT: 7.964 min Scan# 1181
Delta R.T. 0.000 min
Lab File: V01160818A16.d
Acq: 18 Aug 2016 3:14 pm

Tgt Ion: 92 Resp: 1900

Ion	Ratio	Lower	Upper
92	100		
91	203.1	135.4	203.0#



Manual Integration Report

Data Path	: I:\VOLATILES\VOA101\2016\1	QMethod	: V101_160809_8260.m
Data File	: V01160818A16.d	Operator	: VOA101:PD
Date Inj'd	: 8/18/2016 3:14 pm	Instrument	: VOA 101
Sample	: l1625236-10,31,10,10,,a	Quant Date	: 8/18/2016 3:37 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A17.d
Acq On : 18 Aug 2016 3:42 pm
Operator : VOA101:PD
Sample : l1625236-11,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 18 16:01:51 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.076	96	413666	10.000	ug/L	0.00
Standard Area 1 = 614919			Recovery = 67.27%			
59) Chlorobenzene-d5	9.906	117	281993	10.000	ug/L	0.00
Standard Area 1 = 416180			Recovery = 67.76%			
79) 1,4-Dichlorobenzene-d4	12.798	152	118878	10.000	ug/L	0.00
Standard Area 1 = 172755			Recovery = 68.81%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.219	113	101375	9.574	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.74%			
43) 1,2-Dichloroethane-d4	5.781	65	114553	9.409	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.09%			
60) Toluene-d8	7.899	98	398719	10.487	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.87%			
83) 4-Bromofluorobenzene	11.483	95	131084	11.070	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.771	50	362	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.142	94	53	N.D.		
6) Chloroethane	2.186	64	53	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.922	76	1100	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.457	84	261	N.D.		
17) Acetone	3.501	43	2444	1.399	ug/L #	65
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.572	43	148	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	5.034	83	1224	0.077	ug/L #	73

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A17.d
Acq On : 18 Aug 2016 3:42 pm
Operator : VOA101:PD
Sample : l1625236-11,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 18 16:01:51 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D.		
41) Benzene	5.645	78	999	N.D.		
44) 1,2-Dichloroethane	5.852	62	154	N.D.		
47) Methyl cyclohexane	0.000		0	N.D.		
48) Trichloroethene	6.185	95	109	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.964	92	3371	0.156	ug/L	96
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	9.966	91	116	N.D.		
76) p/m Xylene	10.196	106	612	N.D.		
77) o Xylene	10.752	106	58	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	11.151	105	108	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	12.809	146	385	N.D.		
101) 1,4-Dichlorobenzene	12.809	146	385	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

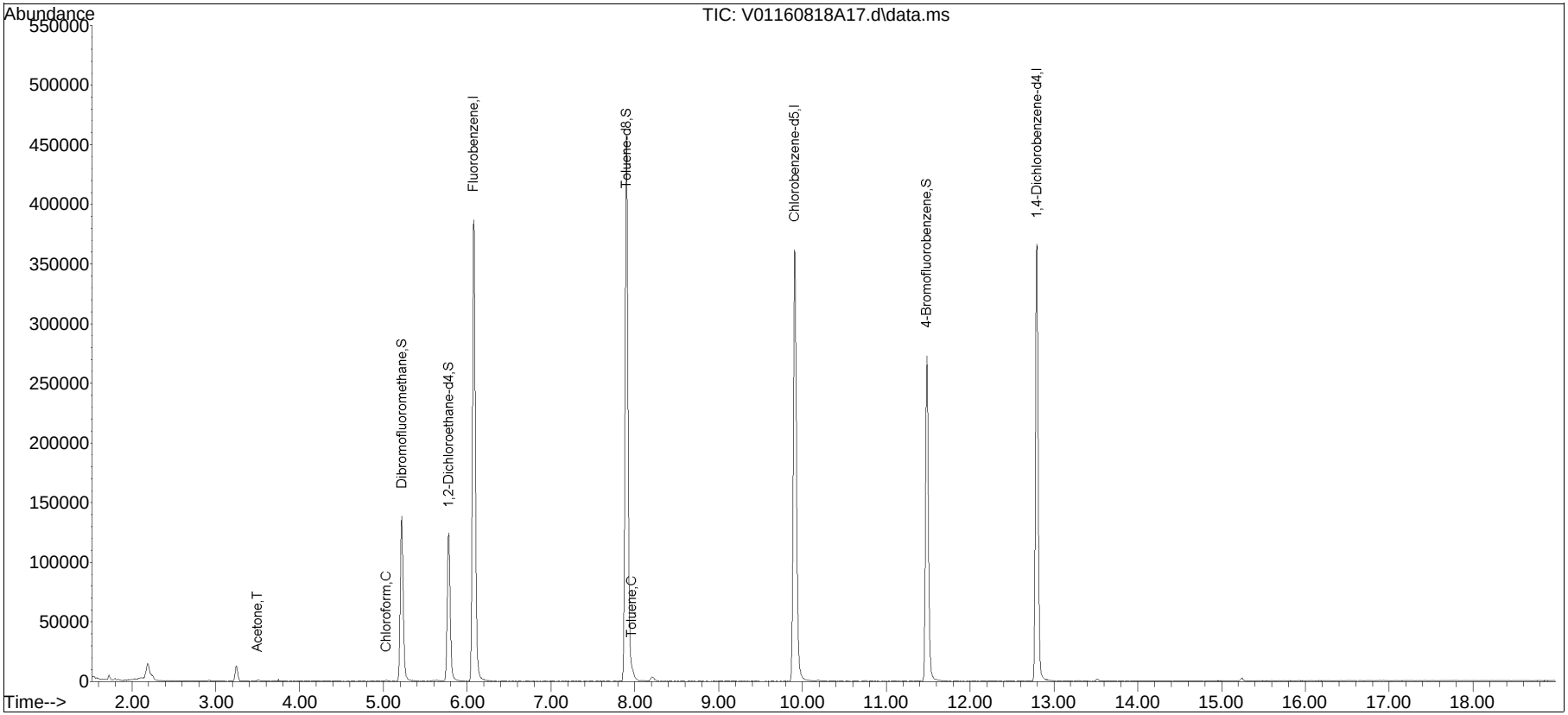
(#) = qualifier out of range (m) = manual integration (+) = signals summed

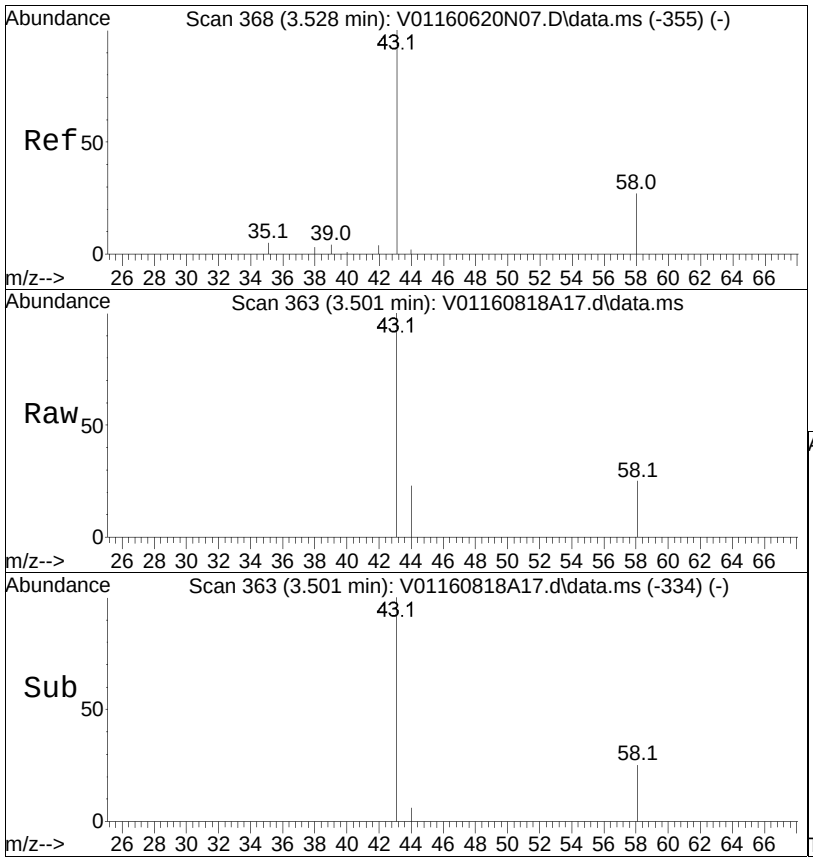
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A17.d
Acq On : 18 Aug 2016 3:42 pm
Operator : VOA101:PD
Sample : l1625236-11,31,10,10,,a
Misc : WG923932,ICAL12752
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 18 16:01:51 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox60818A\V01160818A02.d•

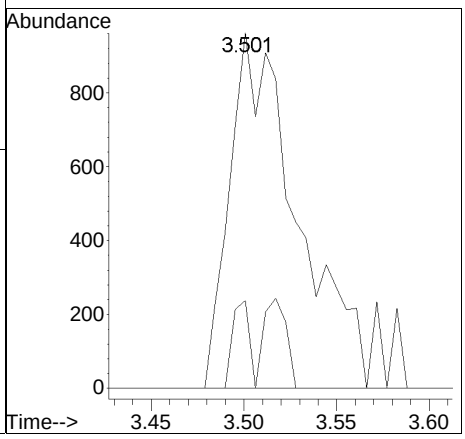


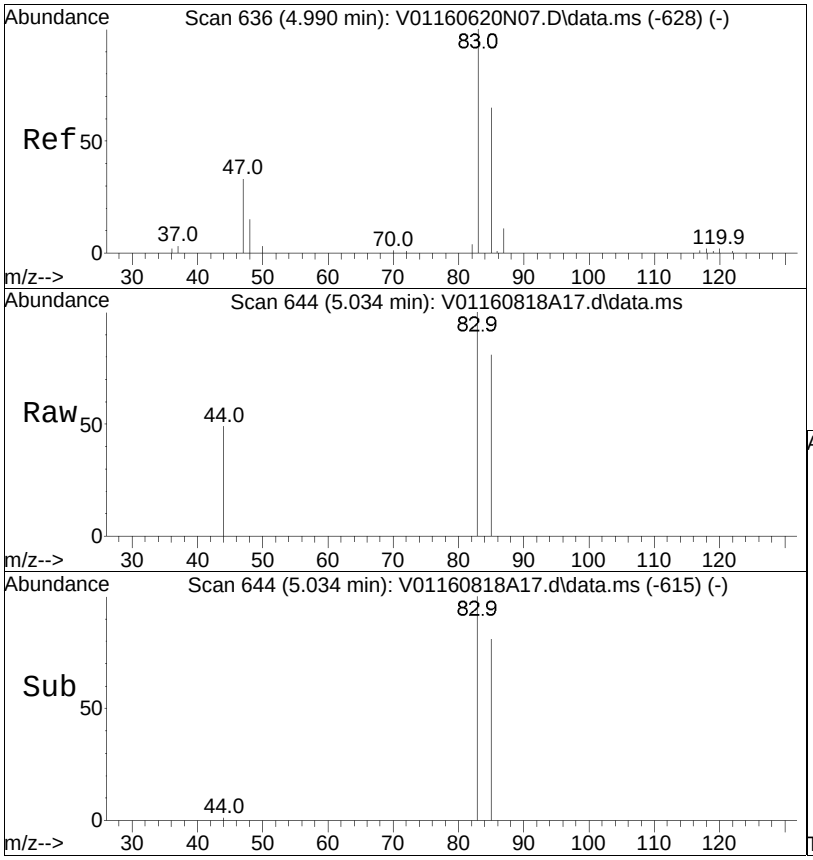


#17
Acetone
Concen: 1.40 ug/L
RT: 3.501 min Scan# 363
Delta R.T. 0.006 min
Lab File: V01160818A17.d
Acq: 18 Aug 2016 3:42 pm

Tgt Ion: 43 Resp: 2444

Ion	Ratio	Lower	Upper
43	100		
58	6.1	18.5	27.7#

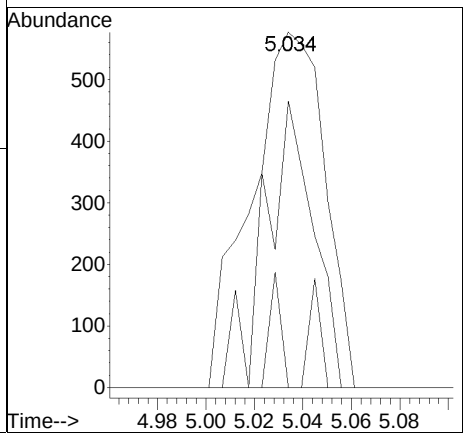


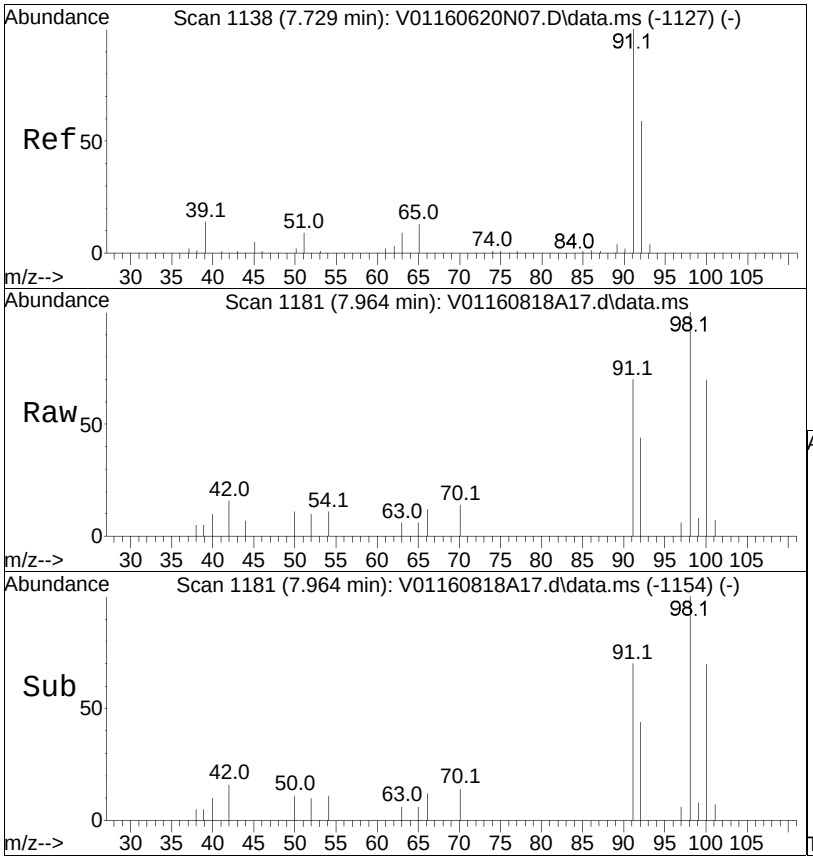


#32
Chloroform
Concen: 0.08 ug/L
RT: 5.034 min Scan# 644
Delta R.T. 0.006 min
Lab File: V01160818A17.d
Acq: 18 Aug 2016 3:42 pm

Tgt Ion: 83 Resp: 1224

Ion	Ratio	Lower	Upper
83	100		
85	52.9	42.3	87.9
47	5.0	20.5	42.7#
48	0.0	9.8	20.4#

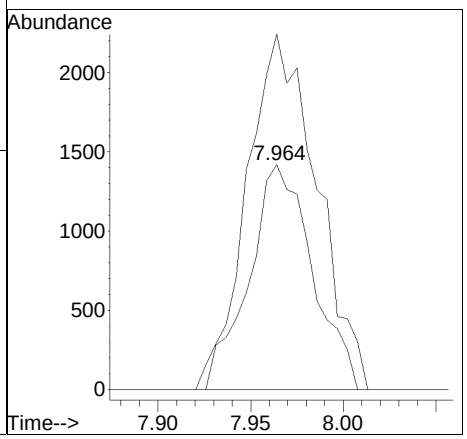




#61
Toluene
Concen: 0.16 ug/L
RT: 7.964 min Scan# 1181
Delta R.T. 0.000 min
Lab File: V01160818A17.d
Acq: 18 Aug 2016 3:42 pm

Tgt Ion: 92 Resp: 3371

Ion	Ratio	Lower	Upper
92	100		
91	174.2	135.4	203.0



Manual Integration Report

Data Path	: I:\VOLATILES\VOA101\2016\1	QMethod	: V101_160809_8260.m
Data File	: V01160818A17.d	Operator	: VOA101:PD
Date Inj'd	: 8/18/2016 3:42 pm	Instrument	: VOA 101
Sample	: l1625236-11,31,10,10,,a	Quant Date	: 8/18/2016 4:01 pm

There are no manual integrations or false positives in this file.

Method Blank
Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A05.d
Acq On : 18 Aug 2016 10:04 am
Operator : VOA101:PD
Sample : WG923932-5,31,10,10
Misc : WG923932,ICAL12752
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 18 10:25:19 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.076	96	462823	10.000	ug/L	0.00
Standard Area 1 = 614919			Recovery = 75.27%			
59) Chlorobenzene-d5	9.912	117	314306	10.000	ug/L	0.00
Standard Area 1 = 416180			Recovery = 75.52%			
79) 1,4-Dichlorobenzene-d4	12.793	152	128577	10.000	ug/L	0.00
Standard Area 1 = 172755			Recovery = 74.43%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.220	113	112248	9.475	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.75%			
43) 1,2-Dichloroethane-d4	5.776	65	120290	8.831	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.31%			
60) Toluene-d8	7.899	98	441119	10.410	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.10%			
83) 4-Bromofluorobenzene	11.484	95	141728	11.066	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.66%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.771	50	725	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.153	94	527	N.D.		
6) Chloroethane	2.257	64	56	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.928	76	2372	0.073	ug/L #	73
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.446	84	602	N.D.		
17) Acetone	3.523	43	233	Below Cal #		52
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.670	43	55	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A05.d
Acq On : 18 Aug 2016 10:04 am
Operator : VOA101:PD
Sample : WG923932-5,31,10,10
Misc : WG923932,ICAL12752
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 18 10:25:19 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	5.280	43	50	Below Cal	#	35
41) Benzene	5.645	78	62	N.D.		
44) 1,2-Dichloroethane	5.853	62	233	N.D.		
47) Methyl cyclohexane	0.000		0	N.D.		
48) Trichloroethene	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	0.000		0	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	9.939	112	172	N.D.		
74) Ethylbenzene	9.972	91	136	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	10.752	106	75	N.D.		
78) Styrene	10.851	104	57	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	11.145	105	393	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	12.722	146	440	N.D.		
101) 1,4-Dichlorobenzene	12.809	146	763	N.D.		
104) 1,2-Dichlorobenzene	13.295	146	58	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	14.877	180	720	0.170	ug/L	# 45
111) 1,2,3-Trichlorobenzene	15.390	180	432	0.180	ug/L	# 50

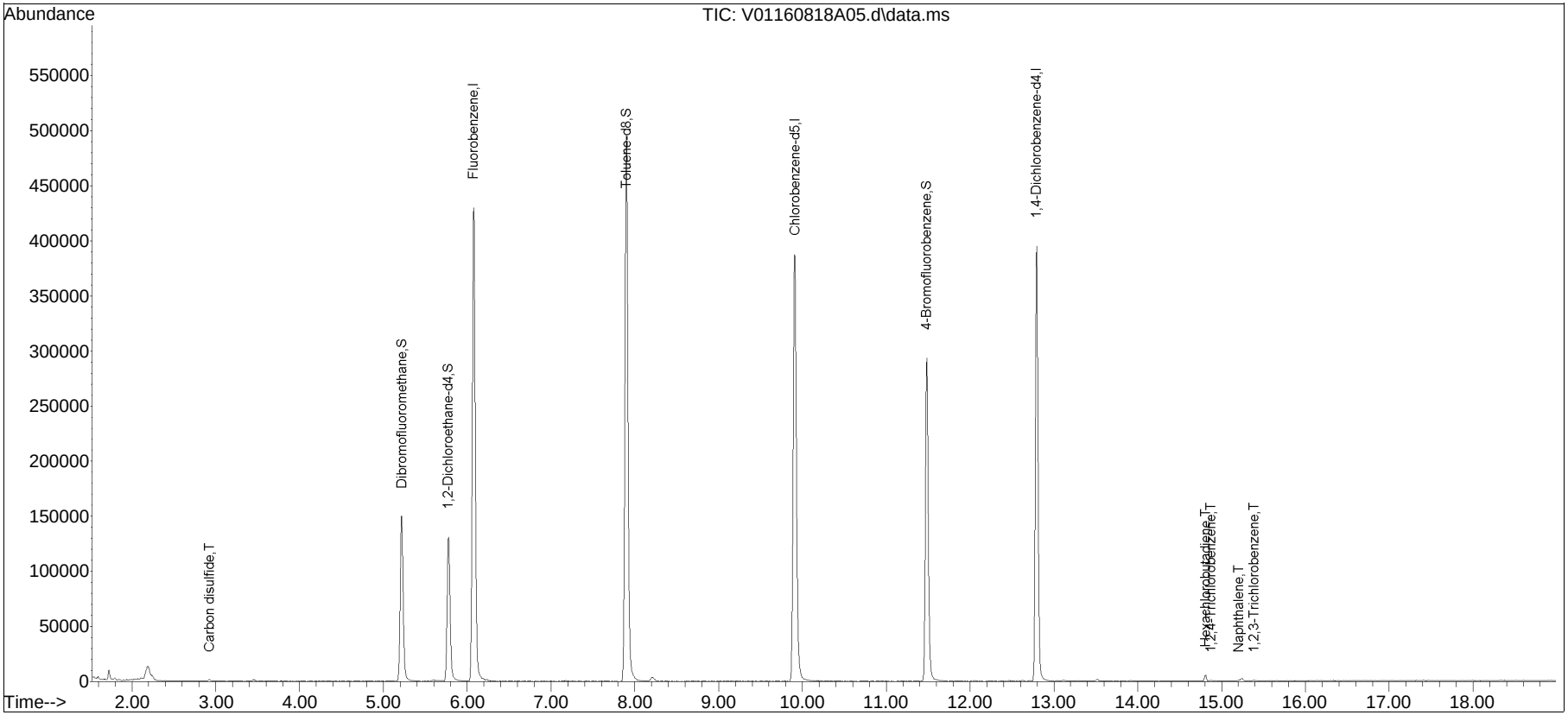
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

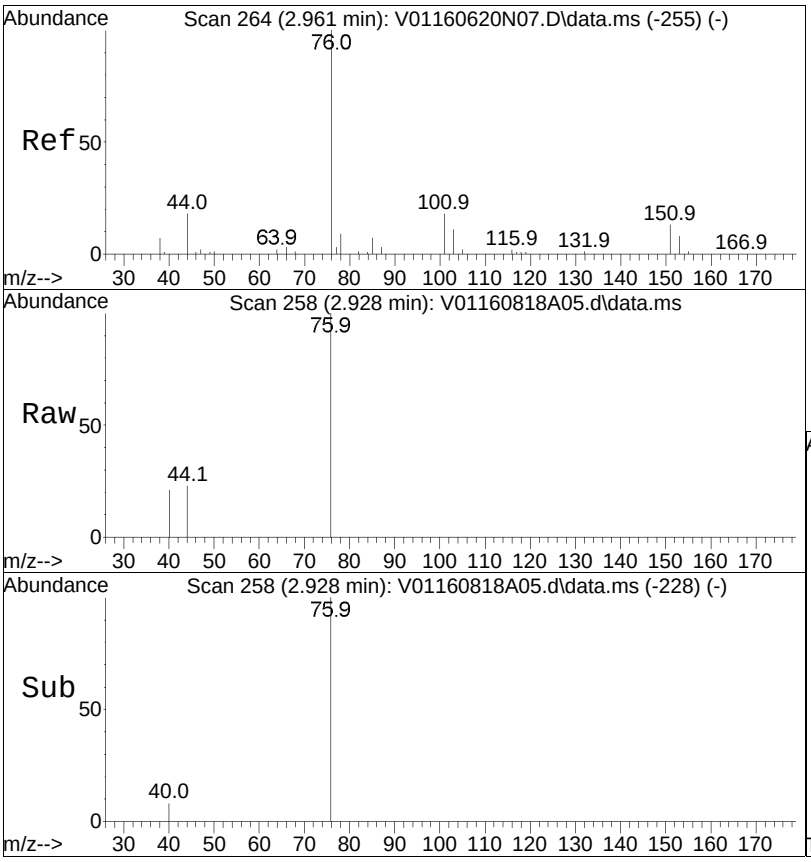
Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A05.d
Acq On : 18 Aug 2016 10:04 am
Operator : VOA101:PD
Sample : WG923932-5,31,10,10
Misc : WG923932,ICAL12752
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 18 10:25:19 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox60818A\V01160818A02.d•



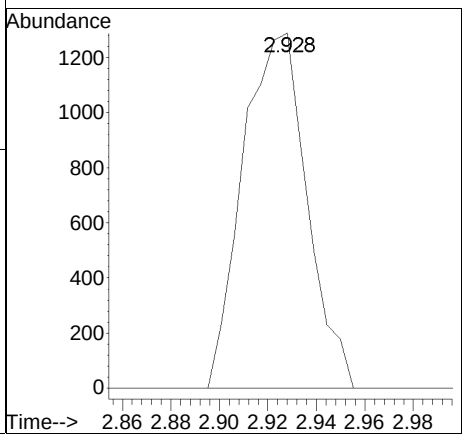
V101_160809_8260.m Thu Aug 18 13:21:07 2016 Page 3 : 4

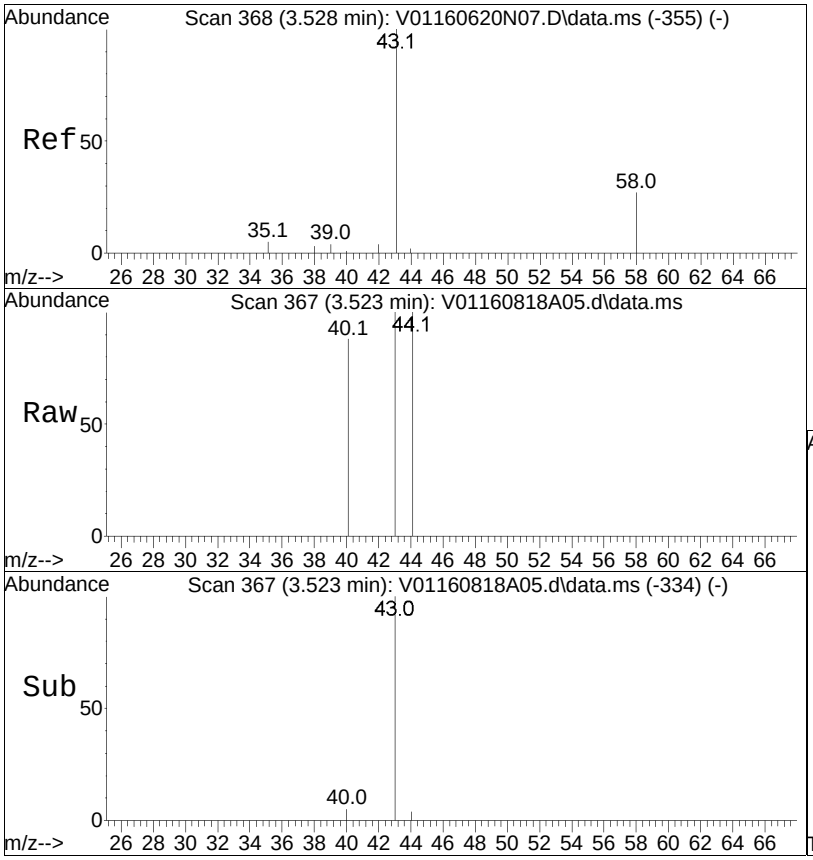


#11
Carbon disulfide
Concen: 0.07 ug/L
RT: 2.928 min Scan# 258
Delta R.T. 0.011 min
Lab File: V01160818A05.d
Acq: 18 Aug 2016 10:04 am

Tgt Ion: 76 Resp: 2372

Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.5	13.5#

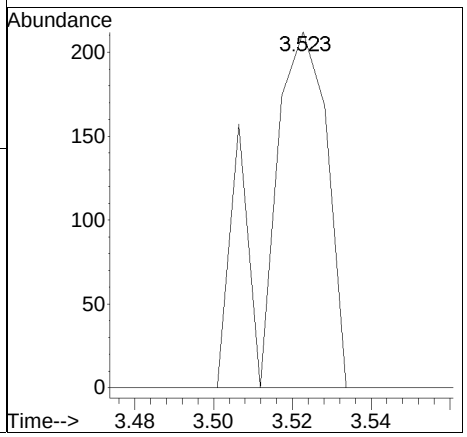


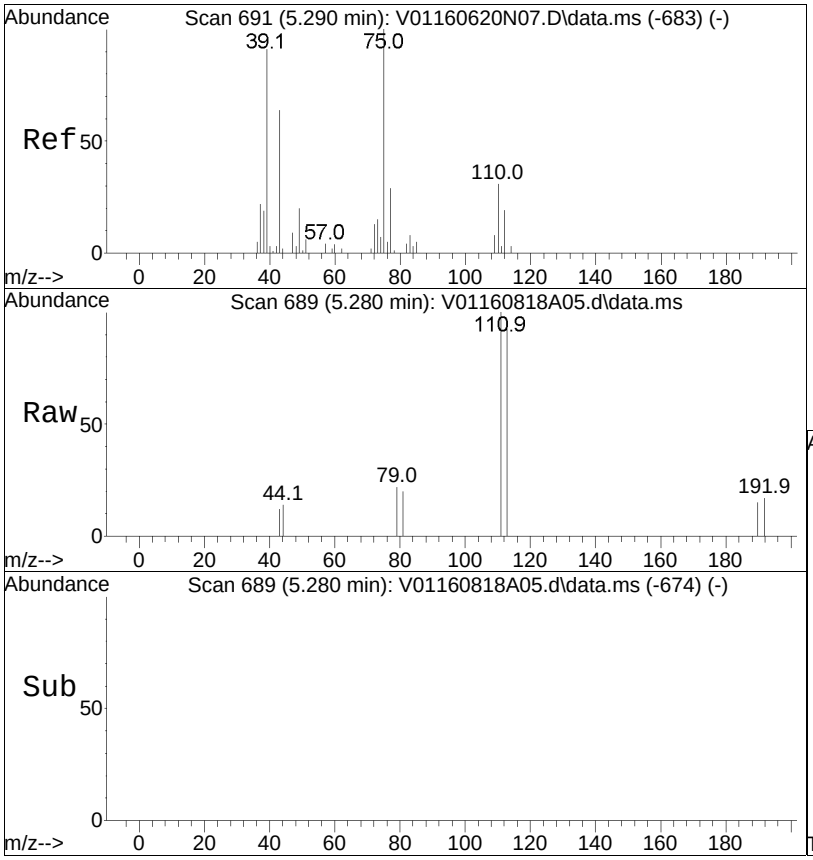


#17
Acetone
Concen: Below Cal
RT: 3.523 min Scan# 367
Delta R.T. 0.028 min
Lab File: V01160818A05.d
Acq: 18 Aug 2016 10:04 am

Tgt Ion: 43 Resp: 233

Ion	Ratio	Lower	Upper
43	100		
58	0.0	18.5	27.7#

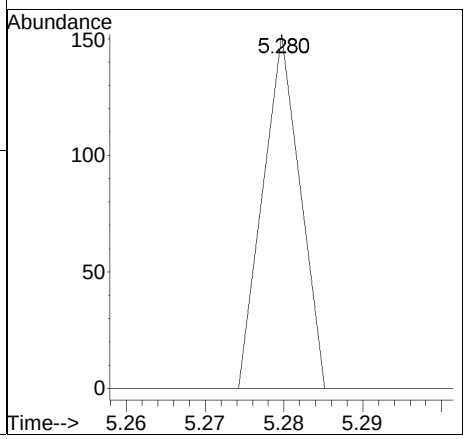


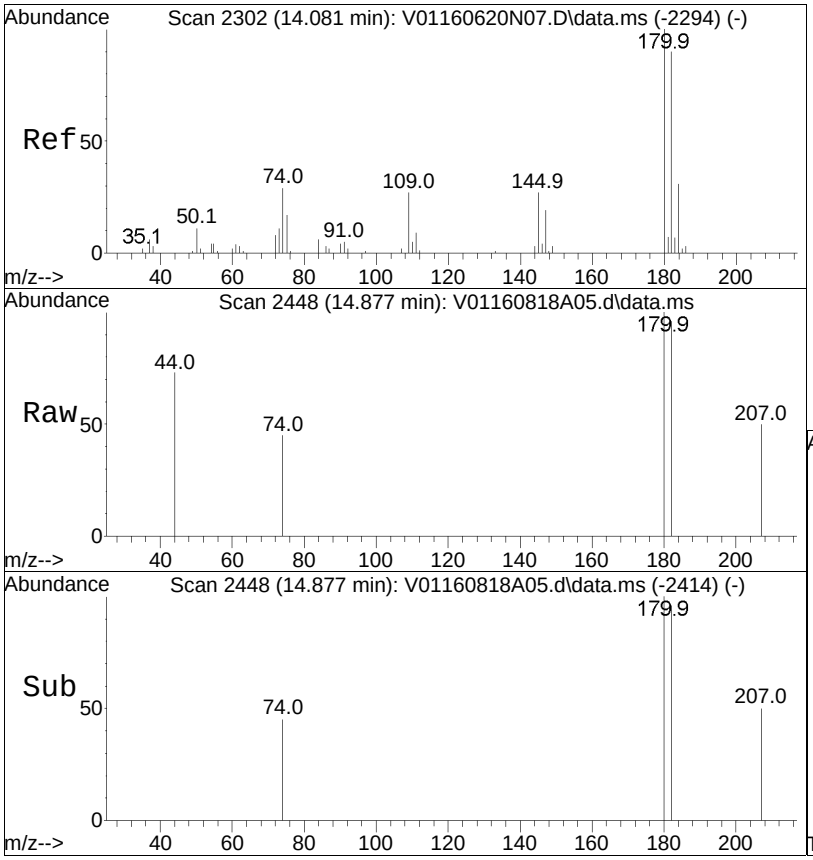


#39
2-Butanone
Concen: Below Cal
RT: 5.280 min Scan# 689
Delta R.T. -0.070 min
Lab File: V01160818A05.d
Acq: 18 Aug 2016 10:04 am

Tgt Ion: 43 Resp: 50

Ion	Ratio	Lower	Upper
43	100		
72	0.0	32.0	48.0#

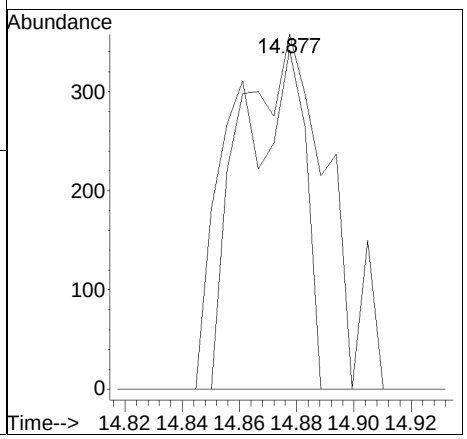


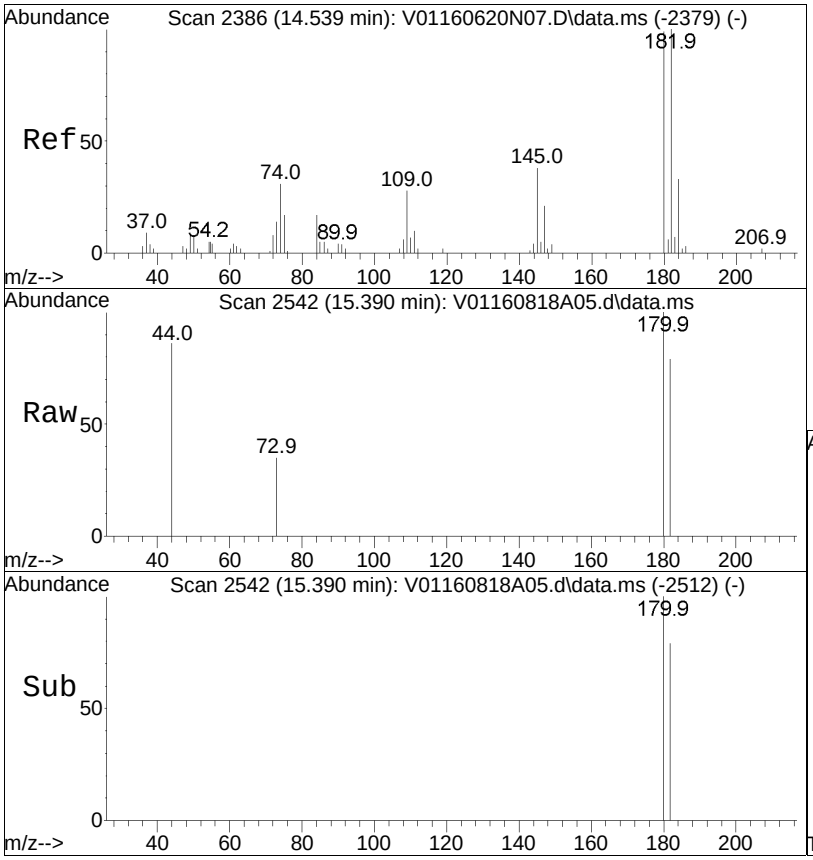


#109
1,2,4-Trichlorobenzene
Concen: 0.17 ug/L
RT: 14.877 min Scan# 2448
Delta R.T. 0.033 min
Lab File: V01160818A05.d
Acq: 18 Aug 2016 10:04 am

Tgt Ion:180 Resp: 720

Ion	Ratio	Lower	Upper
180	100		
182	44.7	76.1	114.1#
145	0.0	29.0	43.6#

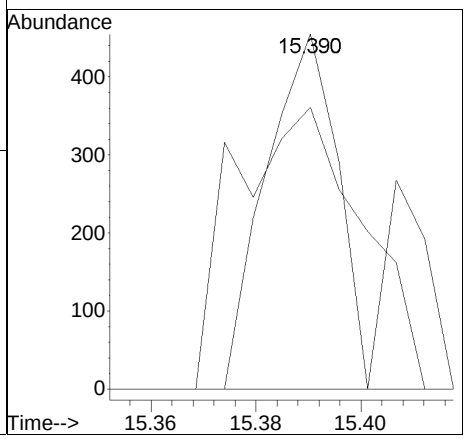




#111
1,2,3-Trichlorobenzene
Concen: 0.18 ug/L
RT: 15.390 min Scan# 2542
Delta R.T. 0.011 min
Lab File: V01160818A05.d
Acq: 18 Aug 2016 10:04 am

Tgt Ion:180 Resp: 432

Ion	Ratio	Lower	Upper
180	100		
182	141.2	76.6	115.0#
145	0.0	27.4	41.0#



Manual Integration Report

Data Path	: I:\VOLATILES\VOA101\2016\1	QMethod	: V101_160809_8260.m
Data File	: V01160818A05.d	Operator	: VOA101:PD
Date Inj'd	: 8/18/2016 10:04 am	Instrument	: VOA 101
Sample	: WG923932-5,31,10,10	Quant Date	: 8/18/2016 10:24 am

There are no manual integrations or false positives in this file.

Batch Quality Control

LCS Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A02.d
Acq On : 18 Aug 2016 8:40 am
Operator : VOA101:PD
Sample : WG923932-3,31,10,10
Misc : WG923932,ICAL12752
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 09:05:47 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.087	96	614919	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.906	117	416180	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	12.793	152	172755	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	5.225	113	145084	9.217	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.17%			
43) 1,2-Dichloroethane-d4	5.787	65	153954	8.507	ug/L	0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.07%			
60) Toluene-d8	7.904	98	578856	10.316	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.16%			
83) 4-Bromofluorobenzene	11.483	95	190928	11.095	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.95%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.607	85	103847	7.806	ug/L	99
3) Chloromethane	1.793	50	159219	8.919	ug/L	97
4) Vinyl chloride	1.869	62	177862	9.713	ug/L	96
5) Bromomethane	2.169	94	94632	8.810	ug/L	99
6) Chloroethane	2.284	64	111233	9.138	ug/L	100
7) Trichlorofluoromethane	2.420	101	202305	9.553	ug/L	100
8) Ethyl ether	2.709	74	44985	7.889	ug/L	95
10) 1,1-Dichloroethene	2.906	96	114604	9.371	ug/L	92
11) Carbon disulfide	2.939	76	394211	9.165	ug/L	100
12) Freon-113	2.950	101	107926	9.435	ug/L #	57
13) Iodomethane	3.048	142	82301	6.804	ug/L	96
14) Acrolein	3.233	56	7775M1	8.077	ug/L	
15) Methylene chloride	3.468	84	122274	9.322	ug/L	99
17) Acetone	3.512	43	15065	9.024	ug/L	96
18) trans-1,2-Dichloroethene	3.621	96	129851	9.818	ug/L	98
19) Methyl acetate	3.626	43	33901M1	7.742	ug/L	
20) Methyl tert-butyl ether	3.708	73	196032	7.513	ug/L	96
21) tert-Butyl alcohol	3.801	59	17554	59.244	ug/L #	91
22) Diisopropyl ether	4.079	45	415307	8.780	ug/L	99
23) 1,1-Dichloroethane	4.221	63	250199	9.917	ug/L	99
24) Halothane	4.270	117	82407	9.485	ug/L	100
25) Acrylonitrile	4.275	53	18208	8.066	ug/L	93
26) Ethyl tert-butyl ether	4.445	59	292742	7.811	ug/L	99
27) Vinyl acetate	4.466	43	188465	8.252	ug/L	98
28) cis-1,2-Dichloroethene	4.761	96	133924	9.583	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A02.d
Acq On : 18 Aug 2016 8:40 am
Operator : VOA101:PD
Sample : WG923932-3,31,10,10
Misc : WG923932,ICAL12752
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 09:05:47 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2,2-Dichloropropane	4.865	77	214594	10.845	ug/L		95
30) Bromochloromethane	4.963	128	44745	8.883	ug/L		92
31) Cyclohexane	4.963	56	245439	9.451	ug/L		96
32) Chloroform	5.039	83	226222	9.567	ug/L		99
33) Ethyl acetate	5.159	43	51222	7.575	ug/L	#	96
34) Carbon tetrachloride	5.176	117	175879	9.348	ug/L		99
35) Tetrahydrofuran	5.198	42	18262	7.757	ug/L		97
37) 1,1,1-Trichloroethane	5.247	97	215798	9.661	ug/L		99
39) 2-Butanone	5.356	43	21695M1	9.061	ug/L		
40) 1,1-Dichloropropene	5.378	75	172649	9.610	ug/L		97
41) Benzene	5.640	78	512800	9.665	ug/L		99
42) tert-Amyl methyl ether	5.749	73	207648	7.384	ug/L		94
44) 1,2-Dichloroethane	5.858	62	137273	8.703	ug/L		97
47) Methyl cyclohexane	6.256	83	191097	8.848	ug/L		99
48) Trichloroethene	6.273	95	131735	9.314	ug/L		93
50) Dibromomethane	6.747	93	46926	8.222	ug/L		97
51) 1,2-Dichloropropane	6.862	63	118040	9.384	ug/L		98
53) 2-Chloroethyl vinyl ether	7.609	63	31837	7.632	ug/L		92
54) Bromodichloromethane	6.933	83	142437	8.870	ug/L		99
57) 1,4-Dioxane	7.156	88	15807M1	388.461	ug/L		
58) cis-1,3-Dichloropropene	7.680	75	161422	8.867	ug/L		96
61) Toluene	7.964	92	311547	9.772	ug/L		97
62) 4-Methyl-2-pentanone	8.433	58	13991	6.729	ug/L		96
63) Tetrachloroethene	8.450	166	112260	9.304	ug/L		93
65) trans-1,3-Dichloropropene	8.493	75	121065	8.638	ug/L		96
67) Ethyl methacrylate	8.690	69	71168	7.742	ug/L		94
68) 1,1,2-Trichloroethane	8.695	83	51328	8.272	ug/L		95
69) Chlorodibromomethane	8.919	129	72924	8.378	ug/L		98
70) 1,3-Dichloropropane	9.044	76	111626	8.578	ug/L		100
71) 1,2-Dibromoethane	9.224	107	54575	8.265	ug/L		100
72) 2-Hexanone	9.546	43	25856M1	7.902	ug/L		
73) Chlorobenzene	9.928	112	305295	9.346	ug/L		94
74) Ethylbenzene	9.972	91	612237	9.654	ug/L		96
75) 1,1,1,2-Tetrachloroethane	10.021	131	94852	8.717	ug/L		99
76) p/m Xylene	10.168	106	434673	18.475	ug/L		91
77) o Xylene	10.730	106	400823	17.972	ug/L		88
78) Styrene	10.801	104	634913	17.156	ug/L		95
80) Bromoform	10.834	173	33591	8.324	ug/L		100
82) Isopropylbenzene	11.129	105	541519	10.305	ug/L		99
84) Bromobenzene	11.603	156	98338	9.686	ug/L		99
85) n-Propylbenzene	11.642	91	663811	10.325	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A02.d
Acq On : 18 Aug 2016 8:40 am
Operator : VOA101:PD
Sample : WG923932-3,31,10,10
Misc : WG923932,ICAL12752
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 09:05:47 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
86)	1,4-Dichlorobutane	11.669	55	110506	9.024	ug/L		98
87)	1,1,2,2-Tetrachloroethane	11.734	83	51068	8.386	ug/L		99
88)	4-Ethyltoluene	11.773	105	528488	10.335	ug/L		99
89)	2-Chlorotoluene	11.827	91	395123M1	10.412	ug/L		
90)	1,3,5-Trimethylbenzene	11.882	105	419882	9.969	ug/L	#	66
91)	1,2,3-Trichloropropane	11.893	75	47728M1	8.658	ug/L		
92)	trans-1,4-Dichloro-2-b...	11.947	53	16450M1	8.315	ug/L		
93)	4-Chlorotoluene	12.024	91	376380	10.261	ug/L	#	100
94)	tert-Butylbenzene	12.247	119	347610	10.024	ug/L		96
97)	1,2,4-Trimethylbenzene	12.335	105	405544	10.012	ug/L		98
98)	sec-Butylbenzene	12.460	105	513302	9.991	ug/L		100
99)	p-Isopropyltoluene	12.624	119	415851	10.031	ug/L		97
100)	1,3-Dichlorobenzene	12.711	146	188132	9.536	ug/L		99
101)	1,4-Dichlorobenzene	12.809	146	183792	9.400	ug/L		99
102)	p-Diethylbenzene	13.033	119	230987	9.876	ug/L		98
103)	n-Butylbenzene	13.093	91	376987	10.191	ug/L		97
104)	1,2-Dichlorobenzene	13.284	146	142904	8.963	ug/L		99
105)	1,2,4,5-Tetramethylben...	13.911	119	266386	9.166	ug/L		98
106)	1,2-Dibromo-3-chloropr...	14.146	155	4116	7.477	ug/L		98
107)	1,3,5-Trichlorobenzene	14.179	180	82696	8.975	ug/L		96
108)	Hexachlorobutadiene	14.806	225	32469	11.007	ug/L		99
109)	1,2,4-Trichlorobenzene	14.850	180	40733	7.140	ug/L		97
110)	Naphthalene	15.183	128	45100	5.267	ug/L		100
111)	1,2,3-Trichlorobenzene	15.374	180	16089	4.978	ug/L		99

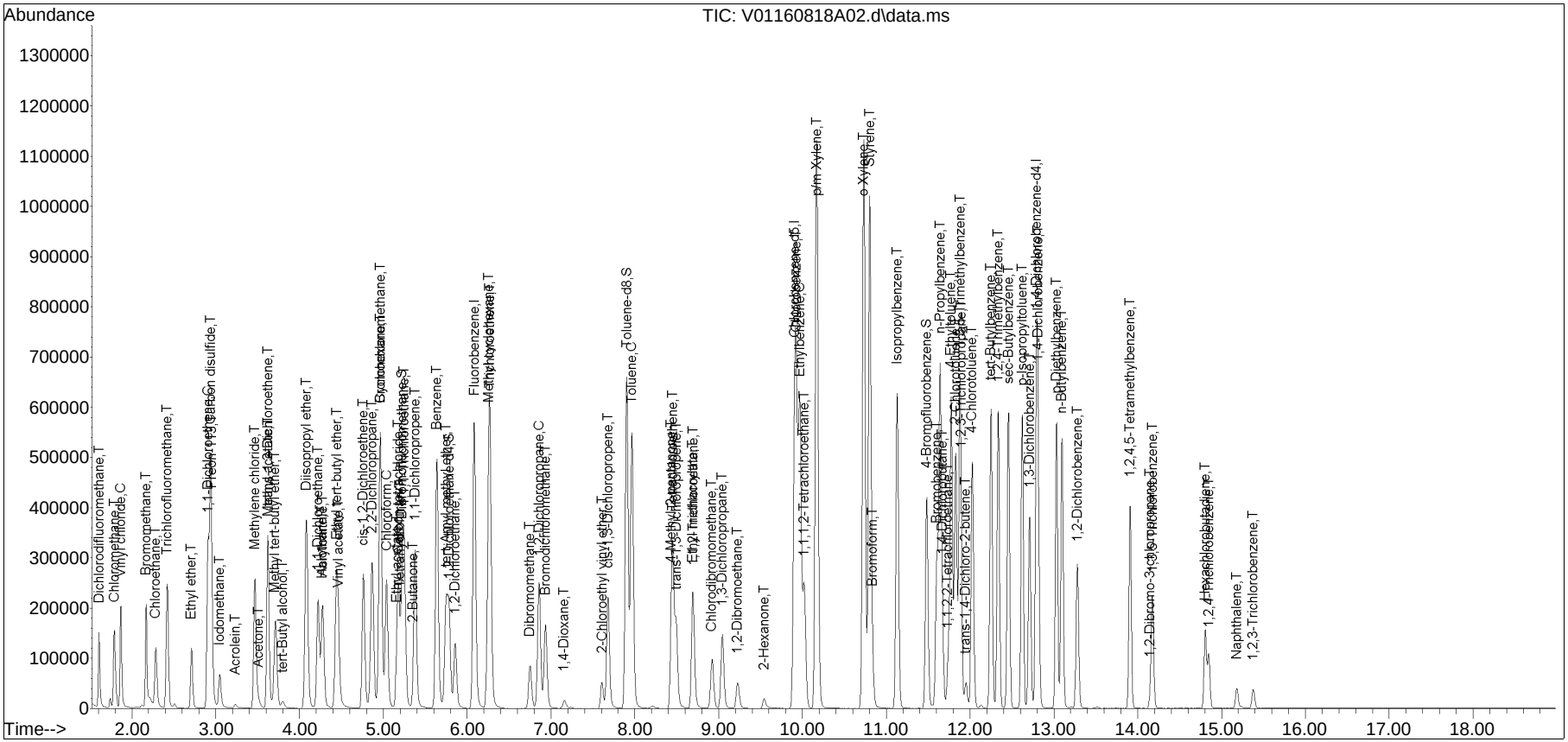
(#) = qualifier out of range (m) = manual integration (+) = signals summed

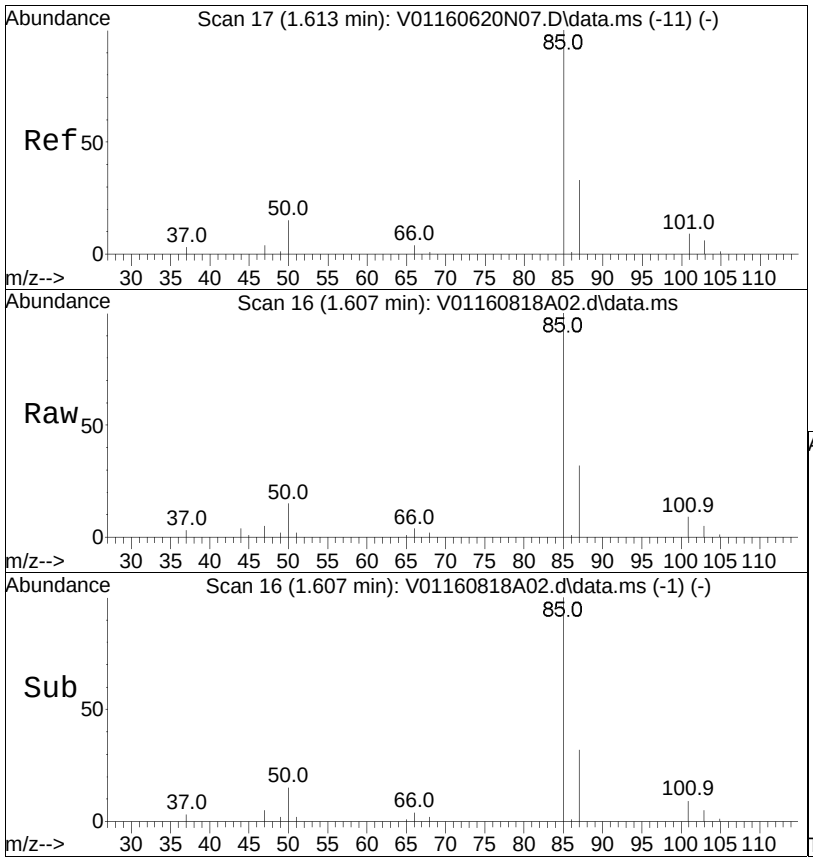
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A02.d
Acq On : 18 Aug 2016 8:40 am
Operator : VOA101:PD
Sample : WG923932-3,31,10,10
Misc : WG923932,ICAL12752
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 09:05:47 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

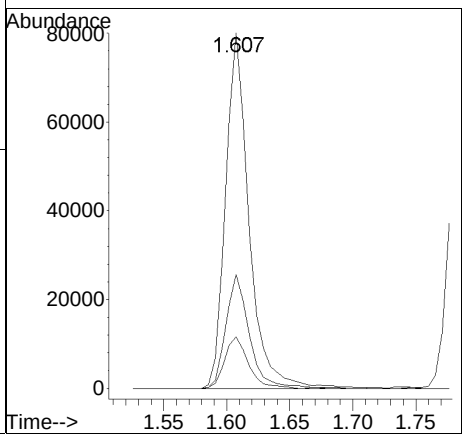


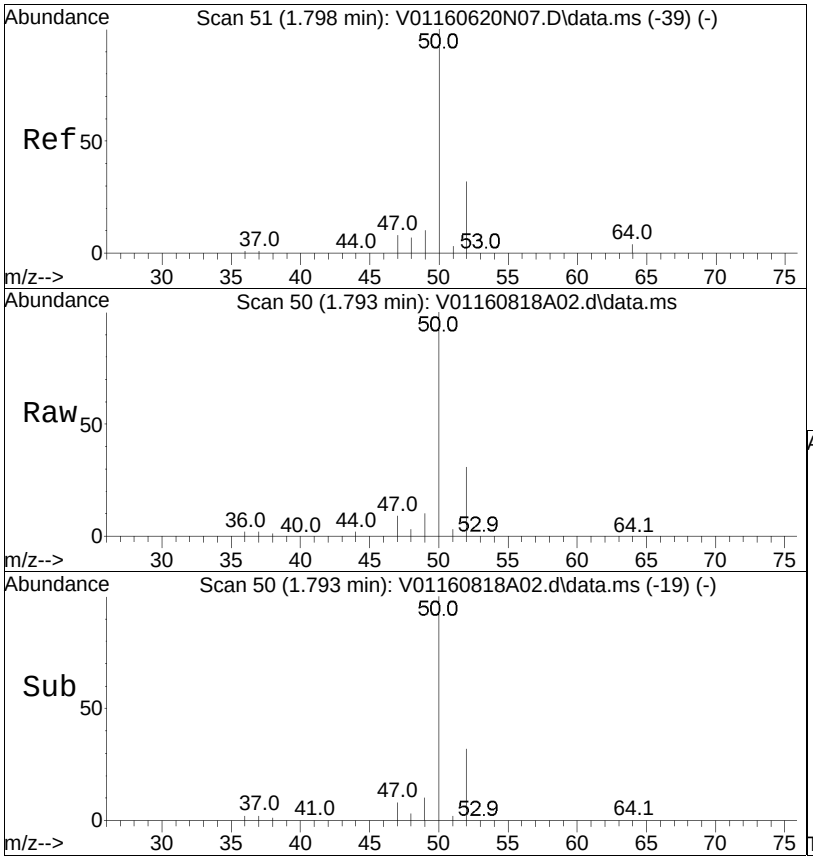


#2
Dichlorodifluoromethane
Concen: 7.81 ug/L
RT: 1.607 min Scan# 16
Delta R.T. 0.022 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 85 Resp: 103847

Ion	Ratio	Lower	Upper
85	100		
87	32.0	20.8	43.2
50	14.6	9.0	18.8

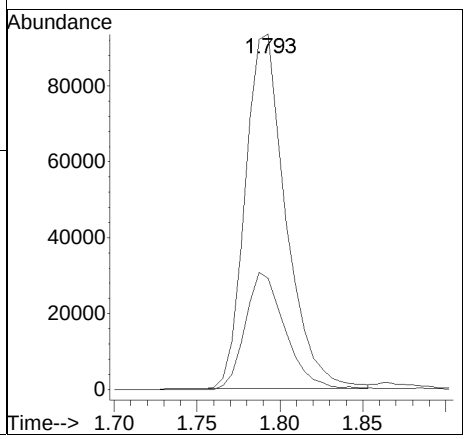


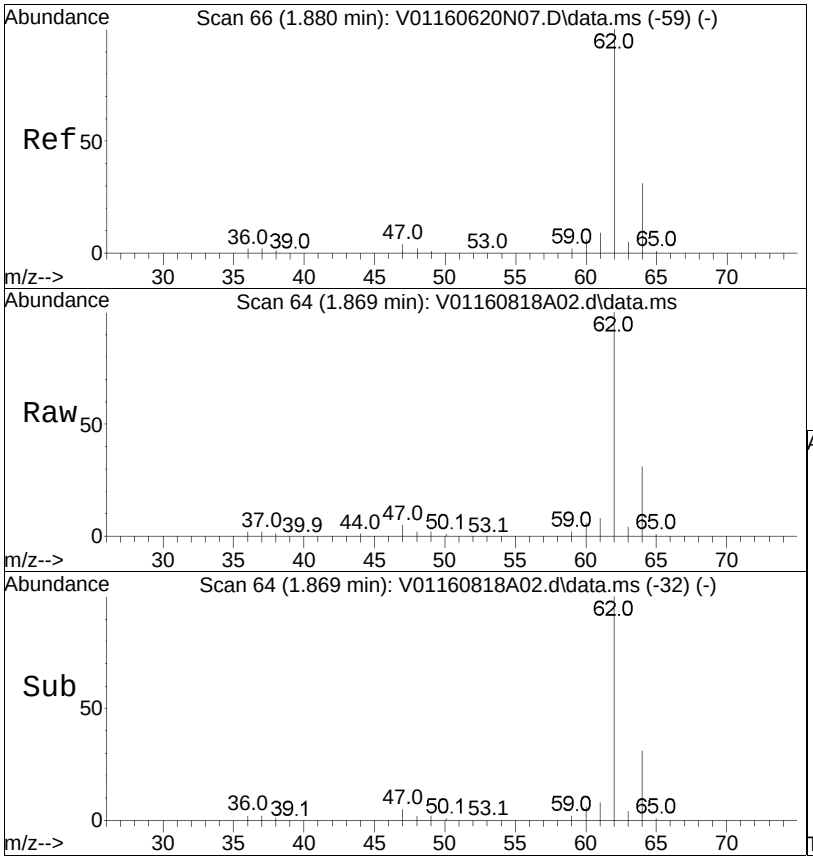


#3
Chloromethane
Concen: 8.92 ug/L
RT: 1.793 min Scan# 50
Delta R.T. 0.022 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 50 Resp: 159219

Ion	Ratio	Lower	Upper
50	100		
52	32.7	11.1	51.1

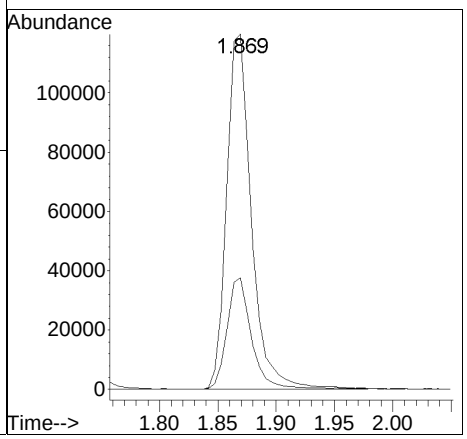


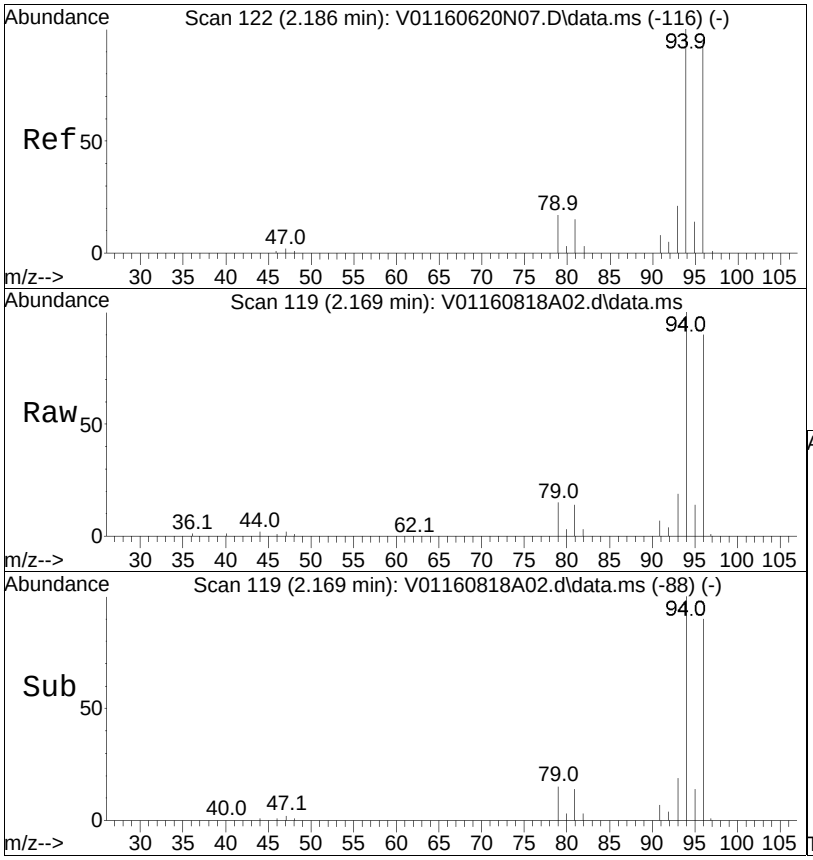


#4
Vinyl chloride
Concen: 9.71 ug/L
RT: 1.869 min Scan# 64
Delta R.T. 0.022 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 62 Resp: 177862

Ion	Ratio	Lower	Upper
62	100		
64	30.9	13.0	53.0

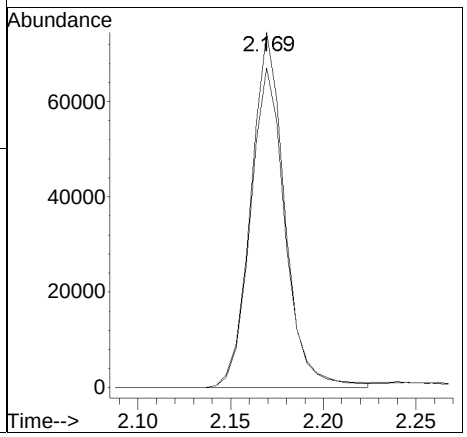


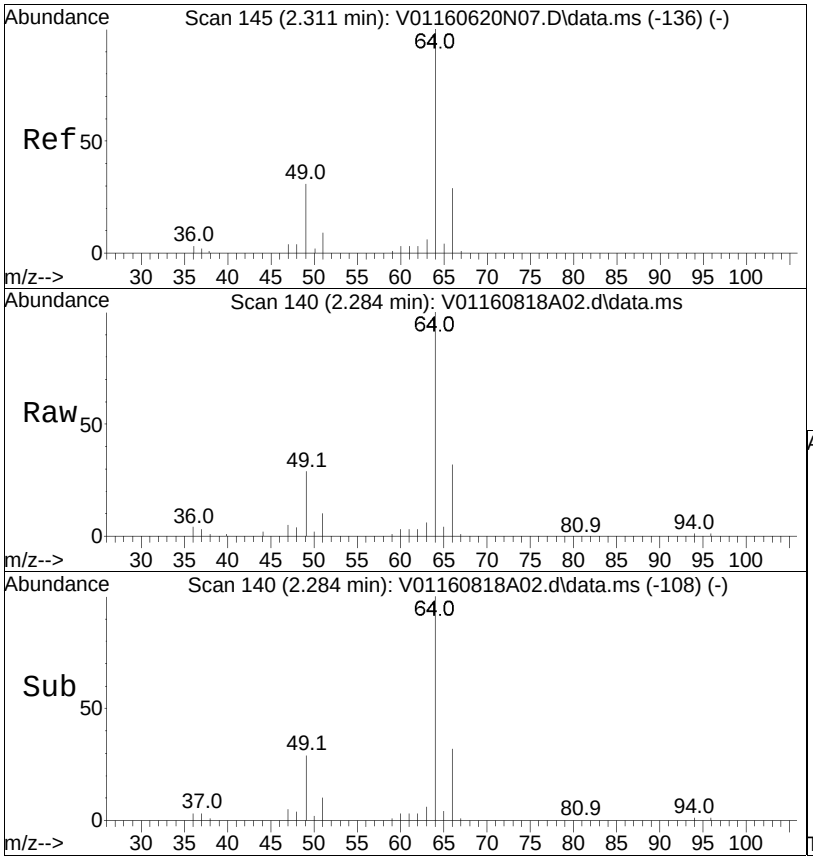


#5
Bromomethane
Concen: 8.81 ug/L
RT: 2.169 min Scan# 119
Delta R.T. 0.021 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 94 Resp: 94632

Ion	Ratio	Lower	Upper
94	100		
96	92.2	73.1	113.1

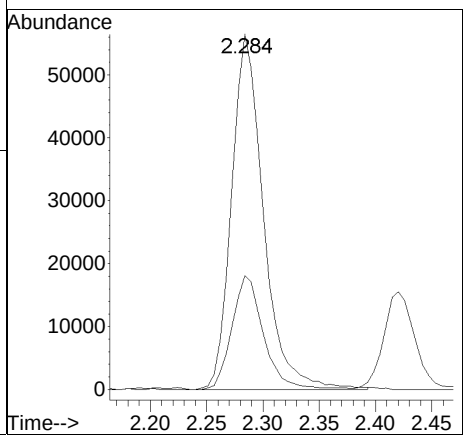


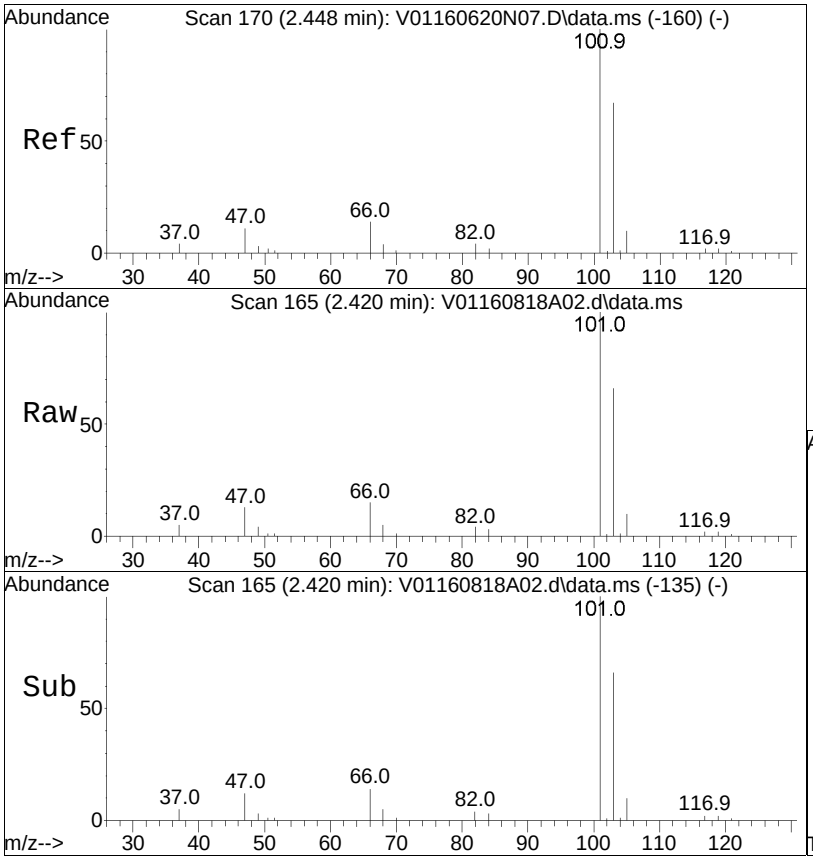


#6
Chloroethane
Concen: 9.14 ug/L
RT: 2.284 min Scan# 140
Delta R.T. 0.022 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 64 Resp: 111233

Ion	Ratio	Lower	Upper
64	100		
66	31.5	11.4	51.4

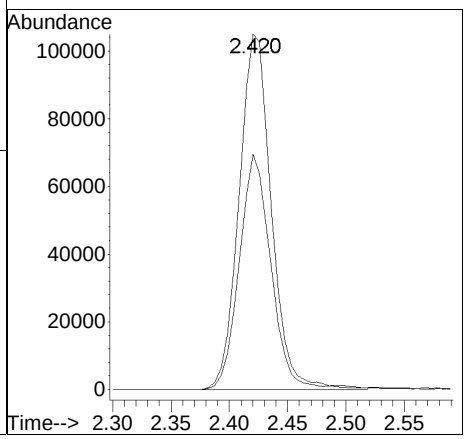


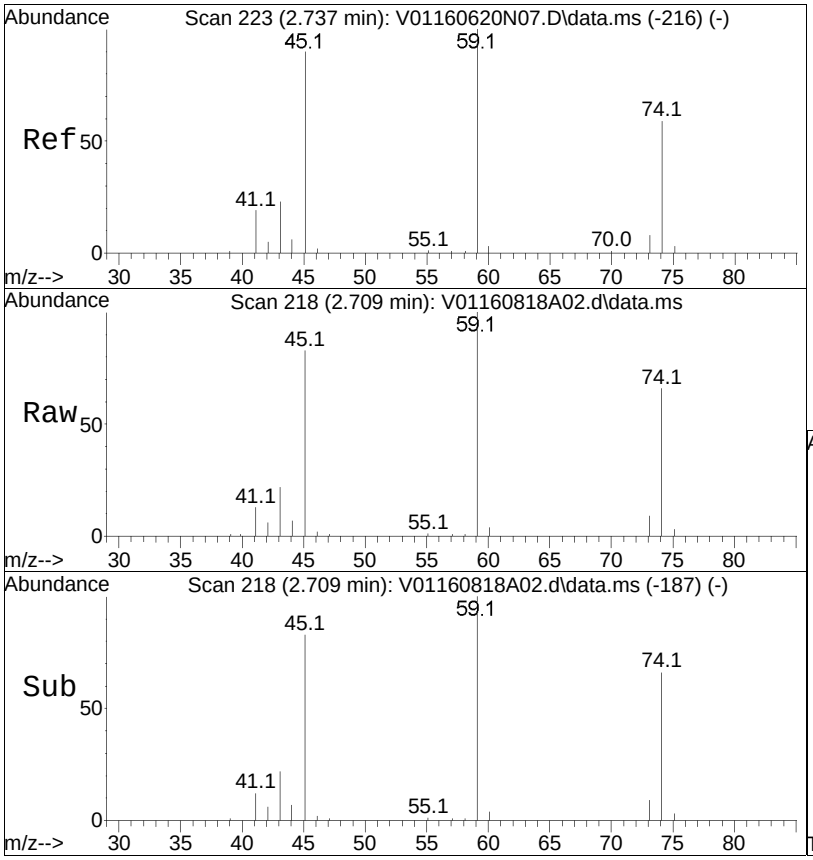


#7
Trichlorofluoromethane
Concen: 9.55 ug/L
RT: 2.420 min Scan# 165
Delta R.T. 0.016 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:101 Resp: 202305

Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.8	77.6

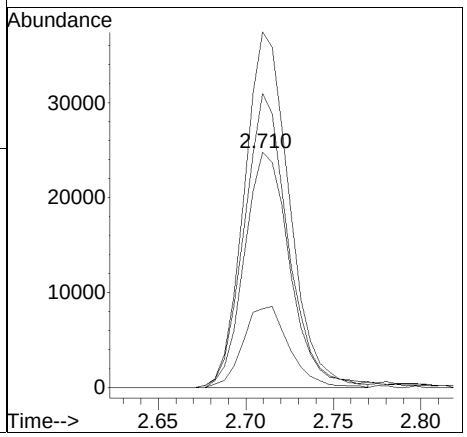


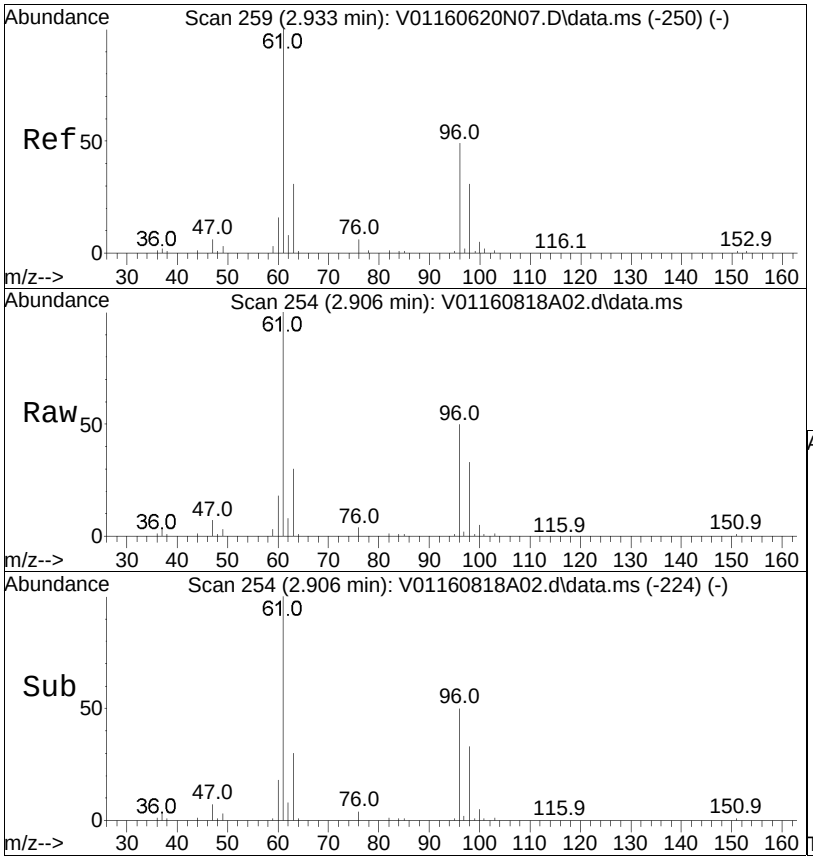


#8
Ethyl ether
Concen: 7.89 ug/L
RT: 2.709 min Scan# 218
Delta R.T. 0.016 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 74 Resp: 44985

Ion	Ratio	Lower	Upper
74	100		
59	151.8	100.4	208.6
45	120.1	84.4	175.4
43	34.8	24.2	50.2

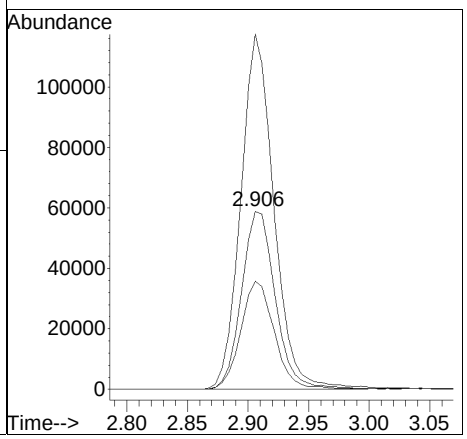


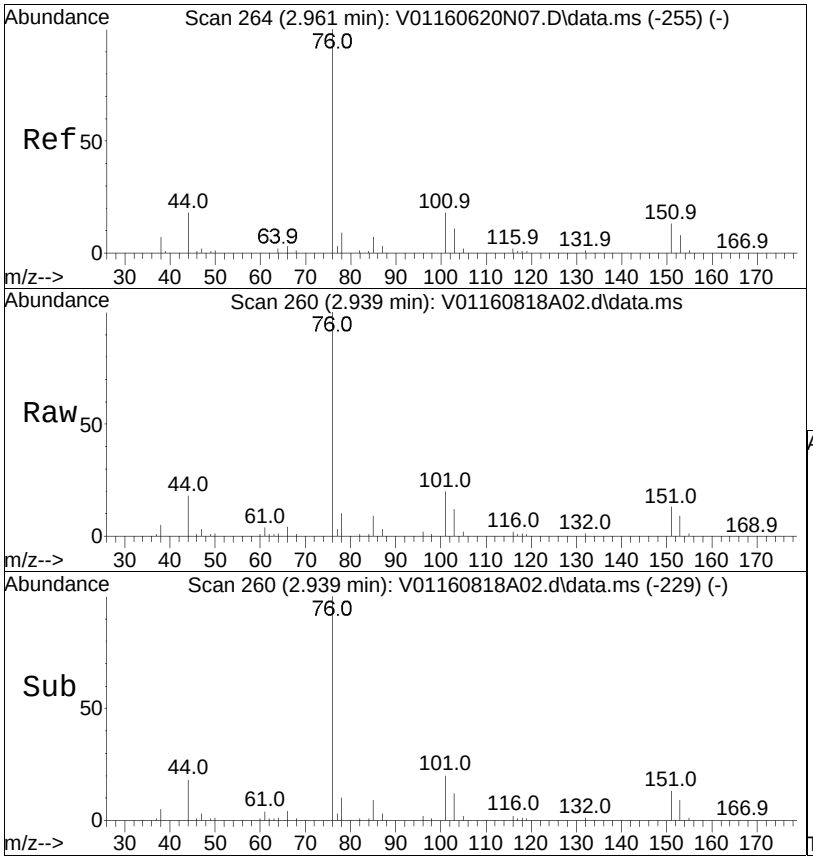


#10
1,1-Dichloroethene
Concen: 9.37 ug/L
RT: 2.906 min Scan# 254
Delta R.T. 0.016 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 96 Resp: 114604

Ion	Ratio	Lower	Upper
96	100		
61	195.4	145.4	218.2
63	60.5	45.7	68.5

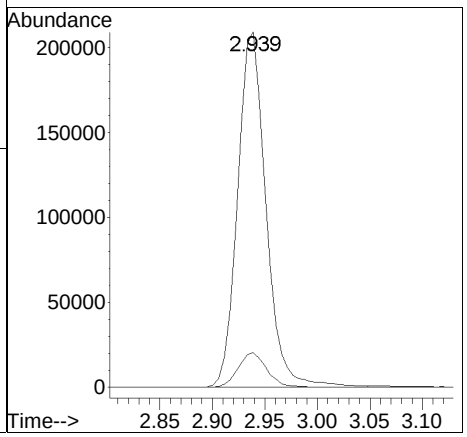


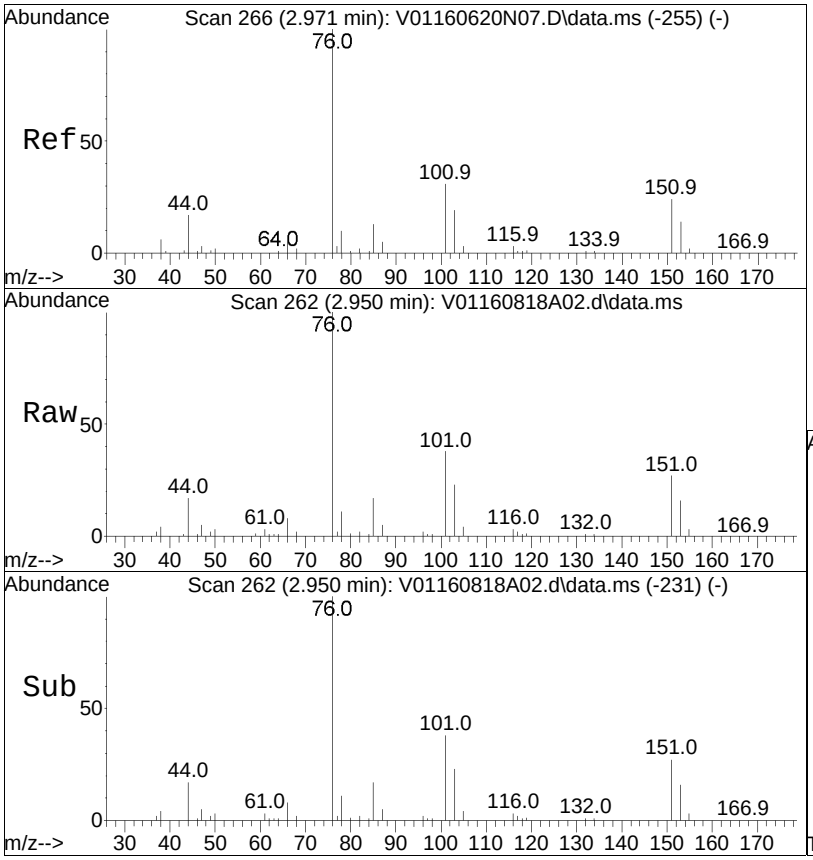


#11
Carbon disulfide
Concen: 9.17 ug/L
RT: 2.939 min Scan# 260
Delta R.T. 0.022 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 76 Resp: 394211

Ion	Ratio	Lower	Upper
76	100		
78	10.0	6.5	13.5

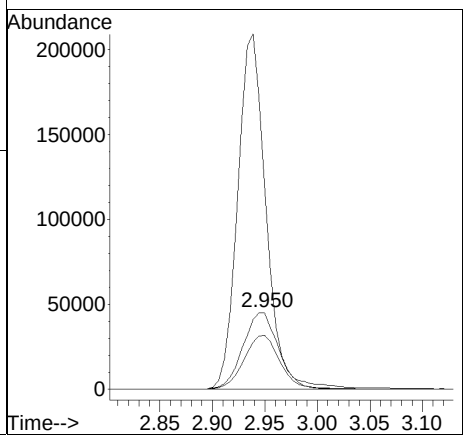


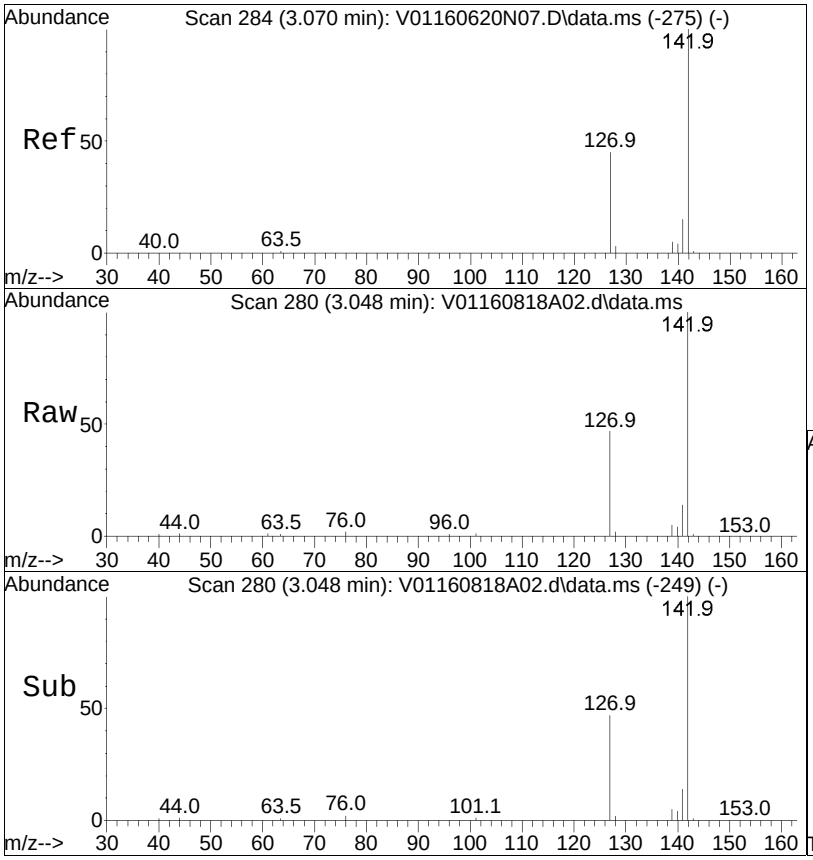


#12
Freon-113
Concen: 9.44 ug/L
RT: 2.950 min Scan# 262
Delta R.T. 0.022 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:101 Resp: 107926

Ion	Ratio	Lower	Upper
101	100		
151	70.6	58.7	88.1
76	365.8	214.3	321.5#

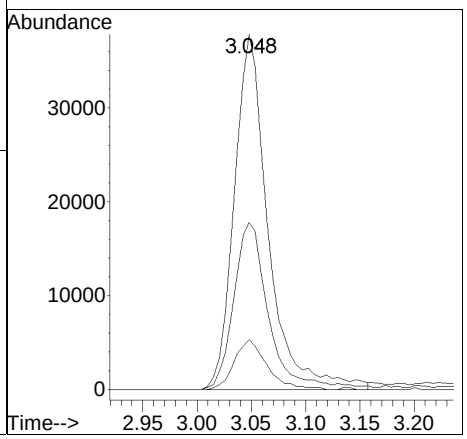


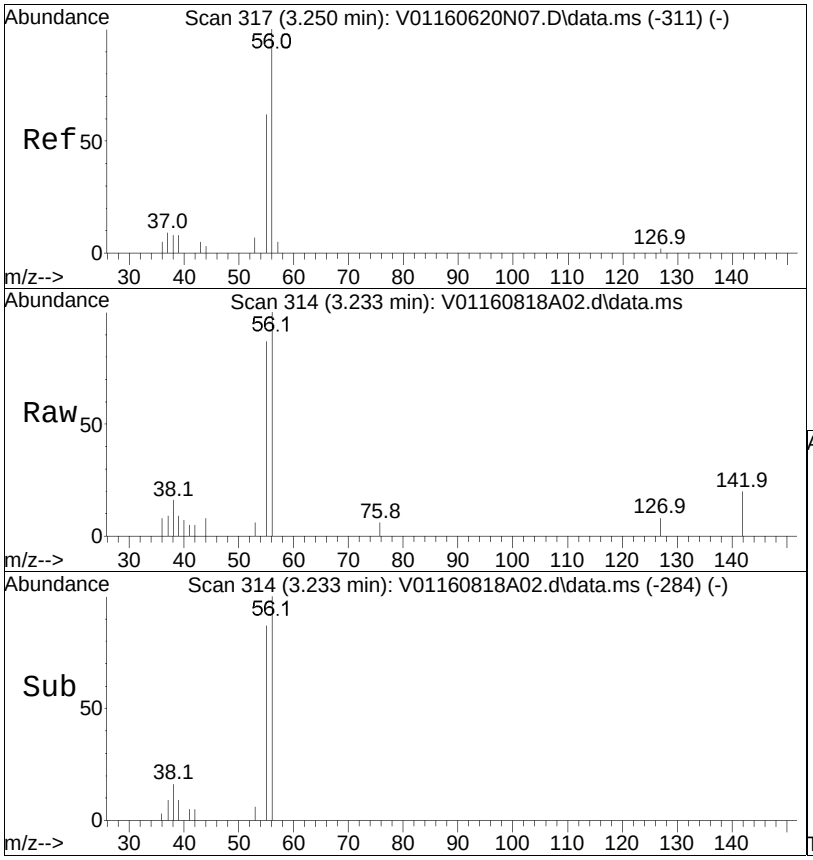


#13
Iodomethane
Concen: 6.80 ug/L
RT: 3.048 min Scan# 280
Delta R.T. 0.017 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:142 Resp: 82301

Ion	Ratio	Lower	Upper
142	100		
127	48.2	29.1	60.5
141	13.4	8.6	18.0

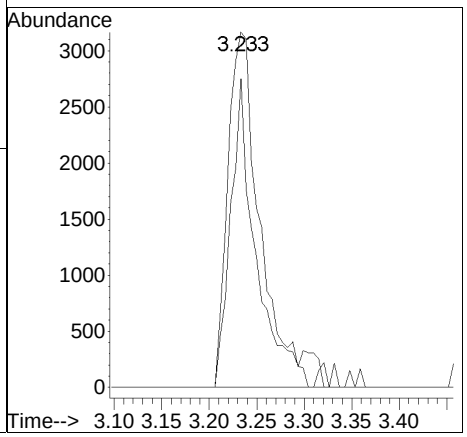


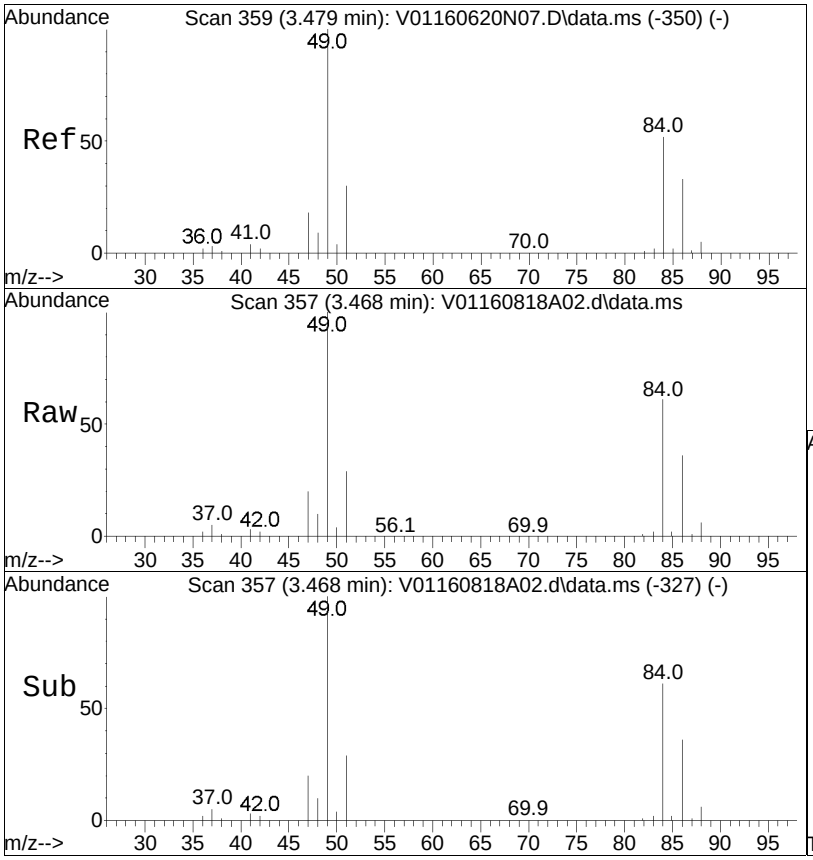


#14
Acrolein
Concen: 8.08 ug/L M1
RT: 3.233 min Scan# 314
Delta R.T. 0.011 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 56 Resp: 7775

Ion	Ratio	Lower	Upper
56	100		
55	65.9	57.8	86.6

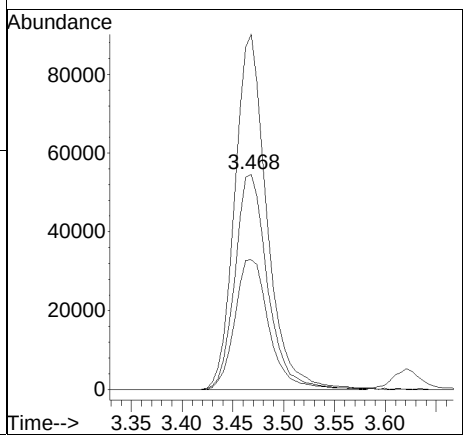


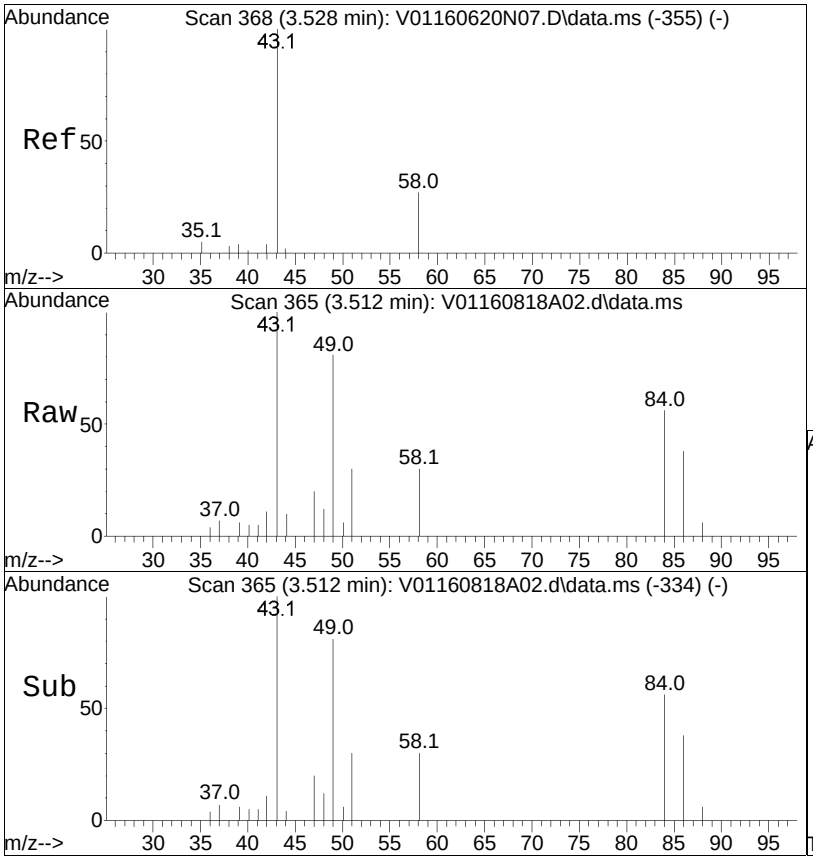


#15
Methylene chloride
Concen: 9.32 ug/L
RT: 3.468 min Scan# 357
Delta R.T. 0.016 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 84 Resp: 122274

Ion	Ratio	Lower	Upper
84	100		
86	63.2	41.3	85.9
49	161.5	103.5	215.1

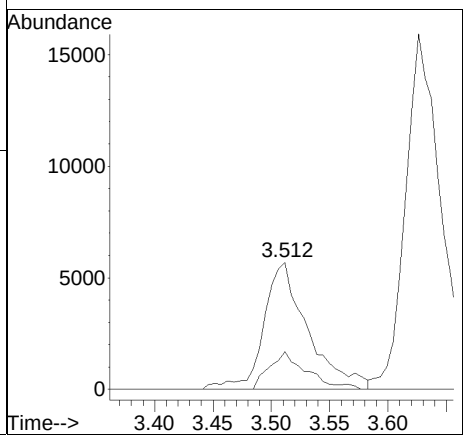


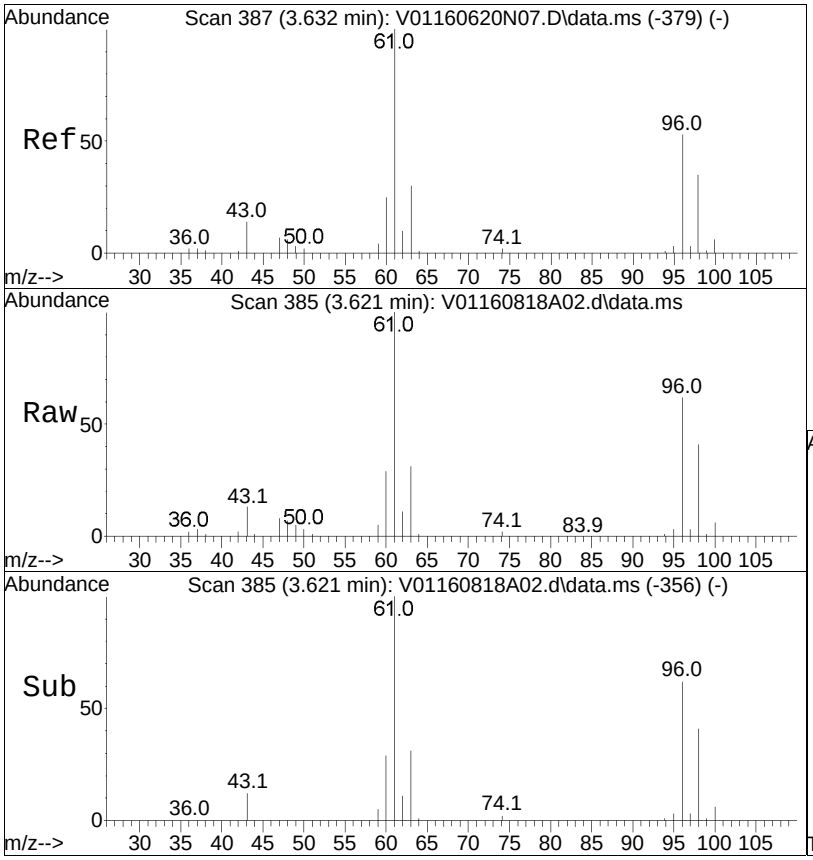


#17
Acetone
Concen: 9.02 ug/L
RT: 3.512 min Scan# 365
Delta R.T. 0.017 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 43 Resp: 15065

Ion	Ratio	Lower	Upper
43	100		
58	25.2	18.5	27.7

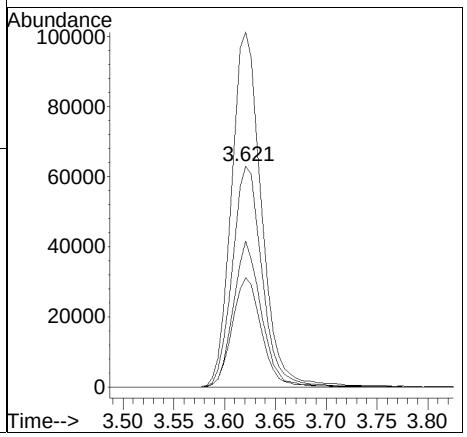


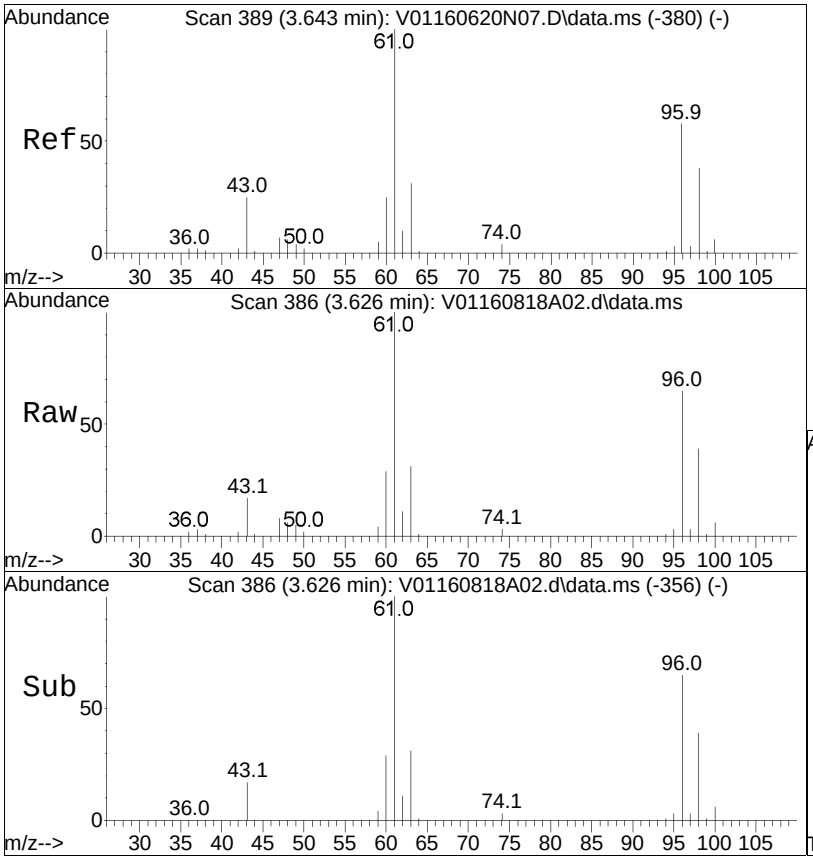


#18
trans-1,2-Dichloroethene
Concen: 9.82 ug/L
RT: 3.621 min Scan# 385
Delta R.T. 0.011 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 96 Resp: 129851

Ion	Ratio	Lower	Upper
96	100		
61	160.7	101.5	210.9
98	62.6	41.2	85.6
63	48.9	32.1	66.7

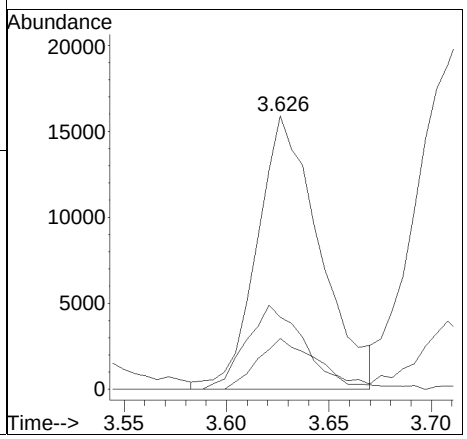


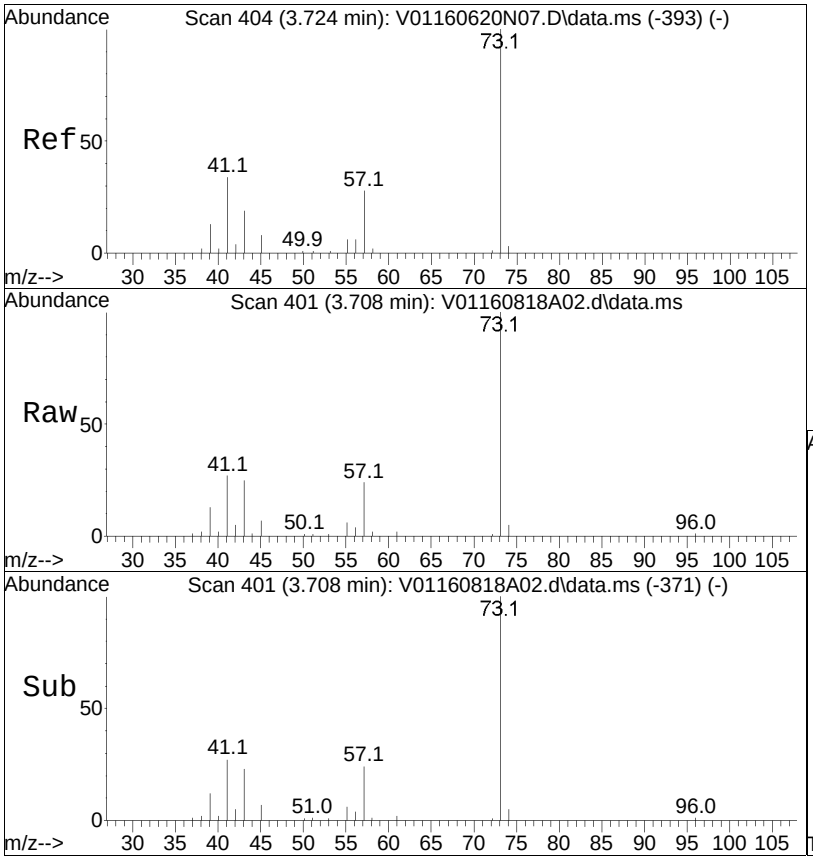


#19
Methyl acetate
Concen: 7.74 ug/L M1
RT: 3.626 min Scan# 386
Delta R.T. 0.011 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 43 Resp: 33901

Ion	Ratio	Lower	Upper
43	100		
74	18.0	13.6	20.4
59	29.6	15.8	23.8#

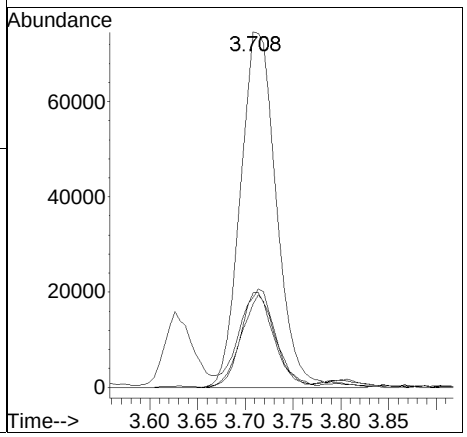


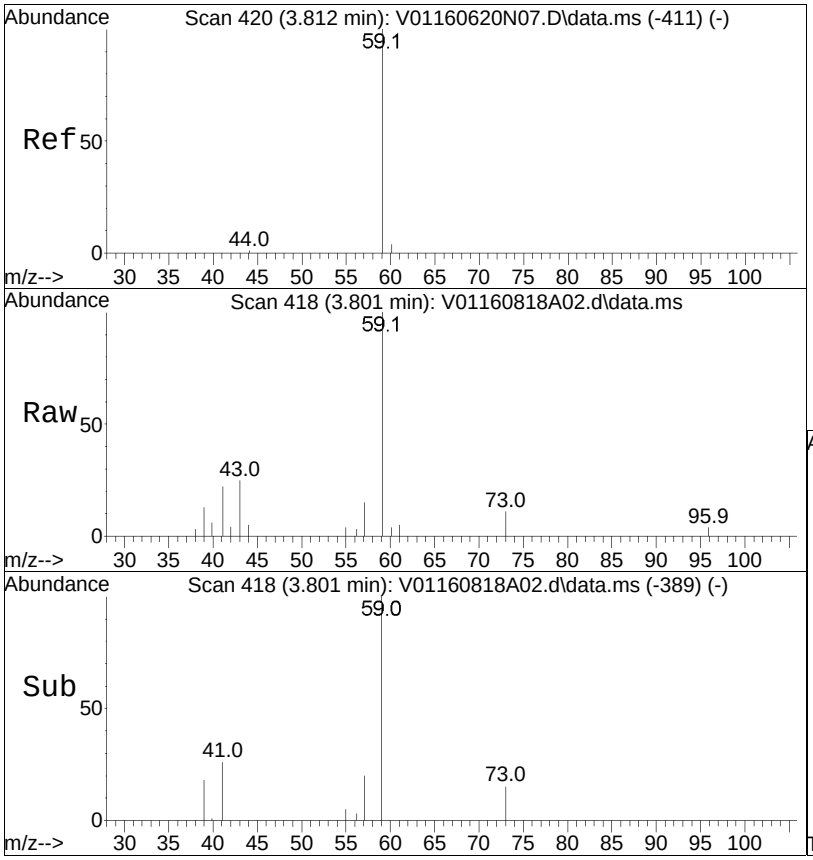


#20
Methyl tert-butyl ether
Concen: 7.51 ug/L
RT: 3.708 min Scan# 401
Delta R.T. 0.011 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 73 Resp: 196032

Ion	Ratio	Lower	Upper
73	100		
57	23.8	16.0	33.2
43	26.8	18.5	38.3
41	25.8	19.2	40.0

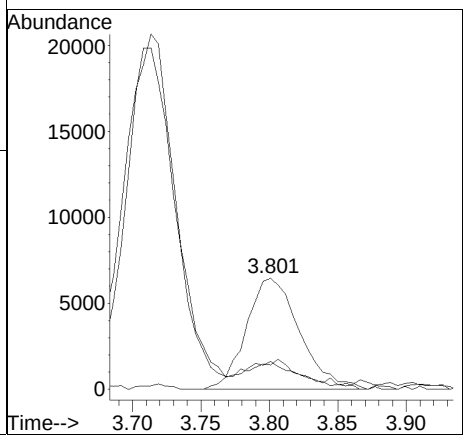


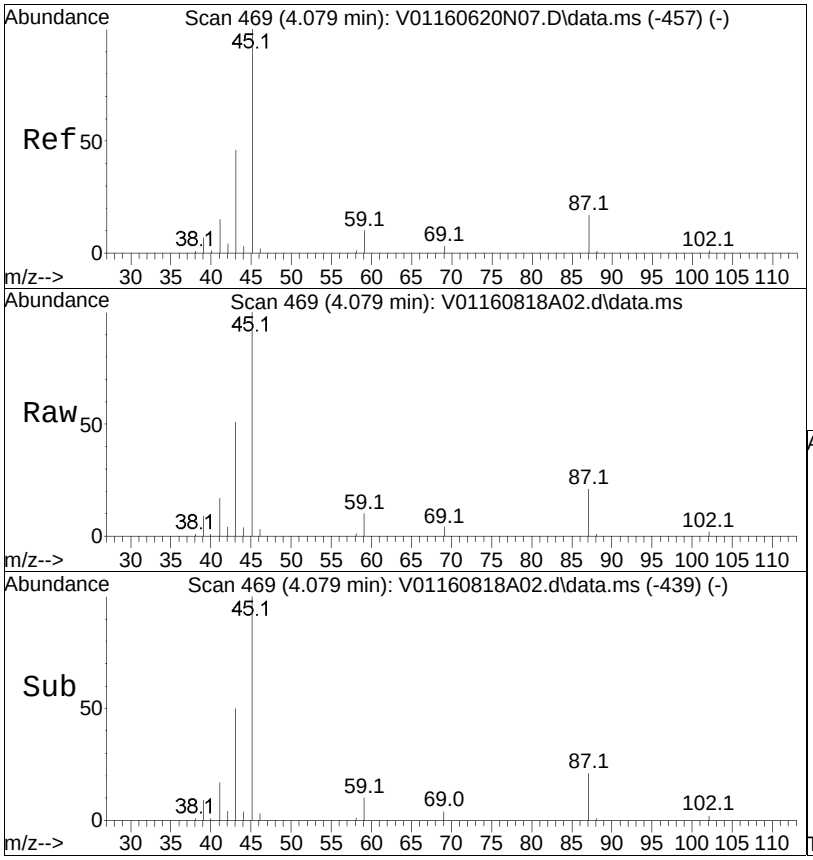


#21
tert-Butyl alcohol
Concen: 59.24 ug/L
RT: 3.801 min Scan# 418
Delta R.T. 0.006 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 59 Resp: 17554

Ion	Ratio	Lower	Upper
59	100		
41	27.8	21.5	44.7
43	17.4	0.0	0.0#

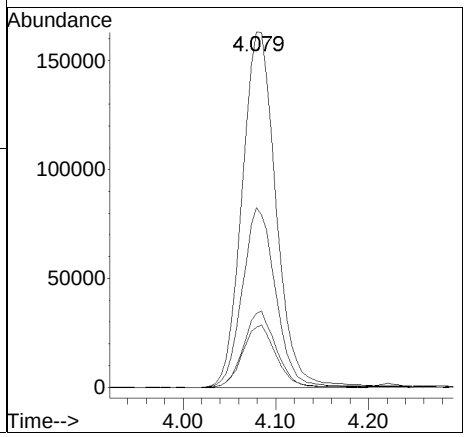


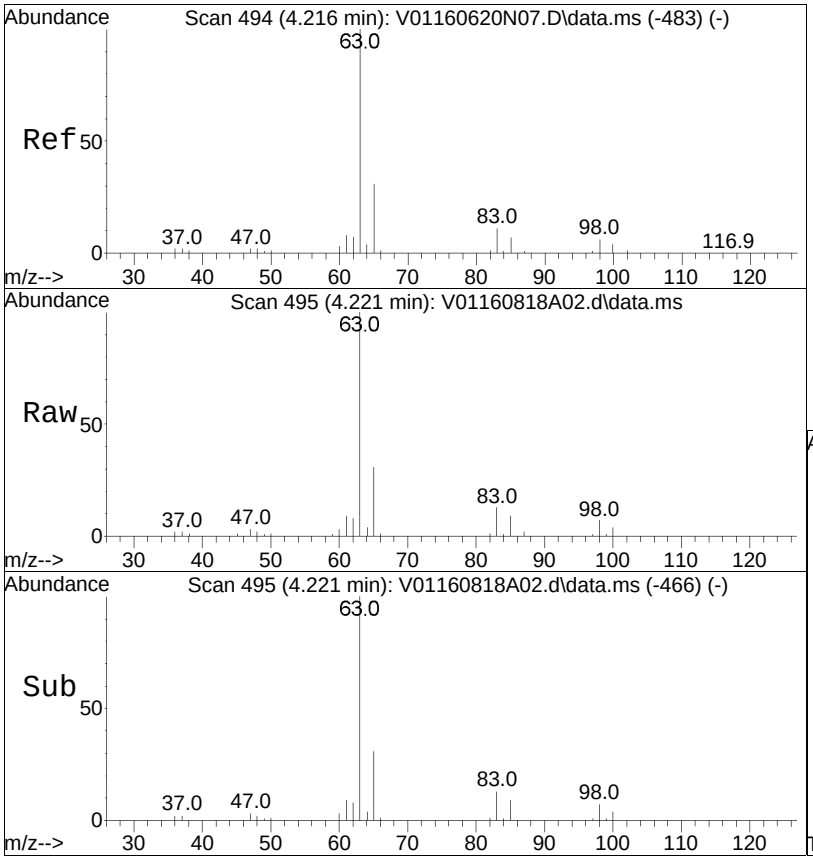


#22
Diisopropyl ether
Concen: 8.78 ug/L
RT: 4.079 min Scan# 469
Delta R.T. 0.011 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 45 Resp: 415307

Ion	Ratio	Lower	Upper
45	100		
43	49.8	32.0	66.6
87	20.4	13.2	27.4
41	17.3	11.4	23.6

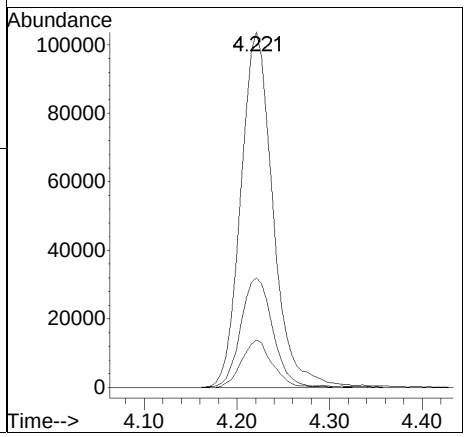


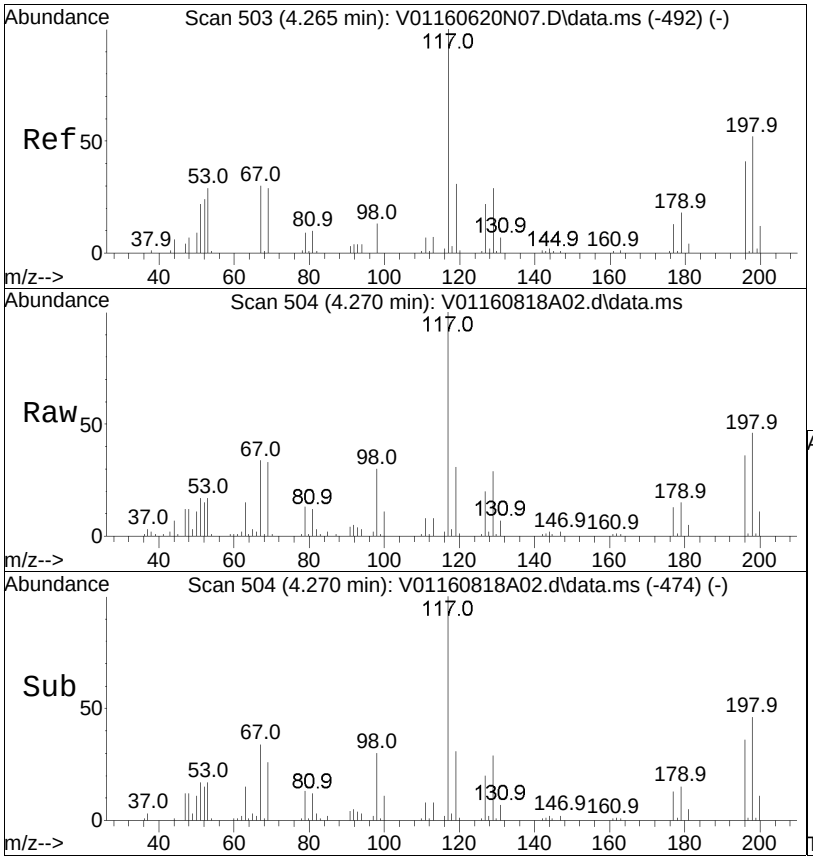


#23
1,1-Dichloroethane
Concen: 9.92 ug/L
RT: 4.221 min Scan# 495
Delta R.T. 0.011 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 63 Resp: 250199

Ion	Ratio	Lower	Upper
63	100		
65	30.6	10.2	50.2
83	12.7	0.0	32.3

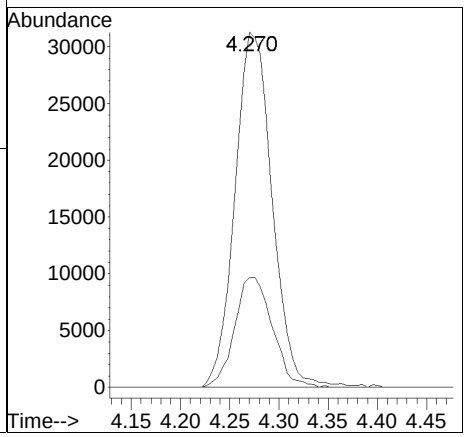


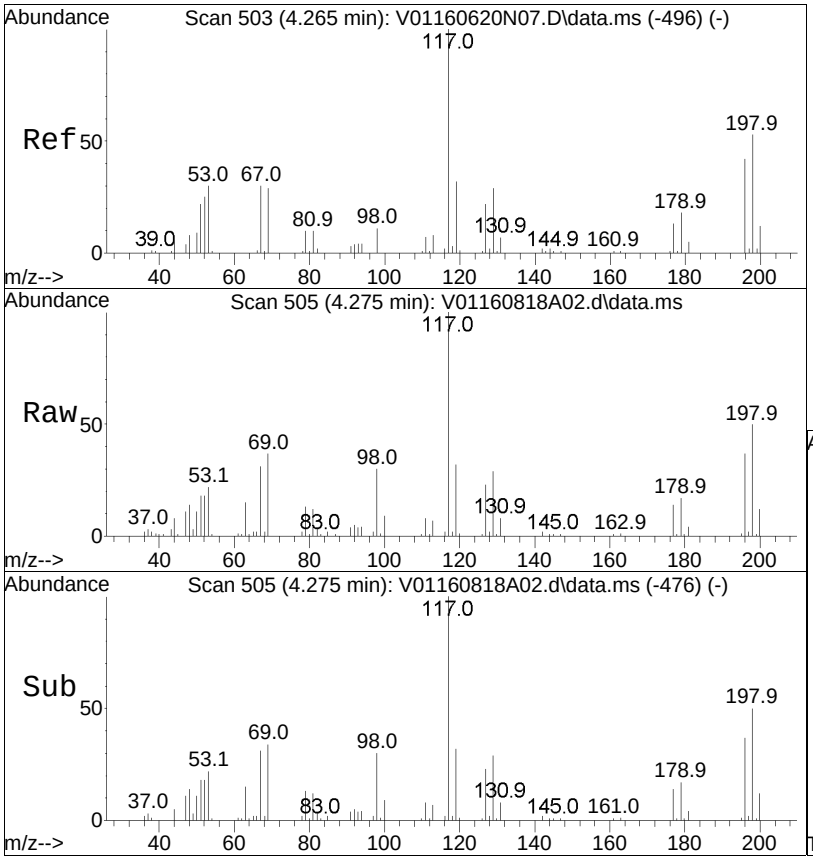


#24
Halothane
Concen: 9.49 ug/L
RT: 4.270 min Scan# 504
Delta R.T. 0.011 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:117 Resp: 82407

Ion	Ratio	Lower	Upper
117	100		
119	31.5	20.6	42.8

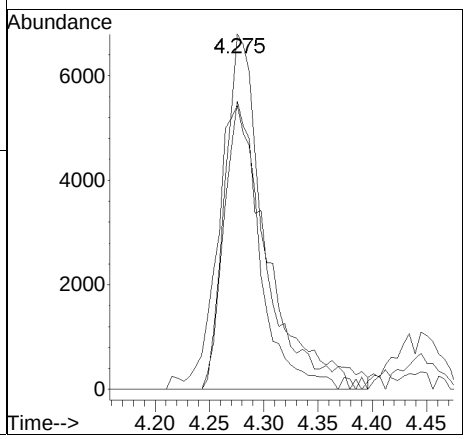


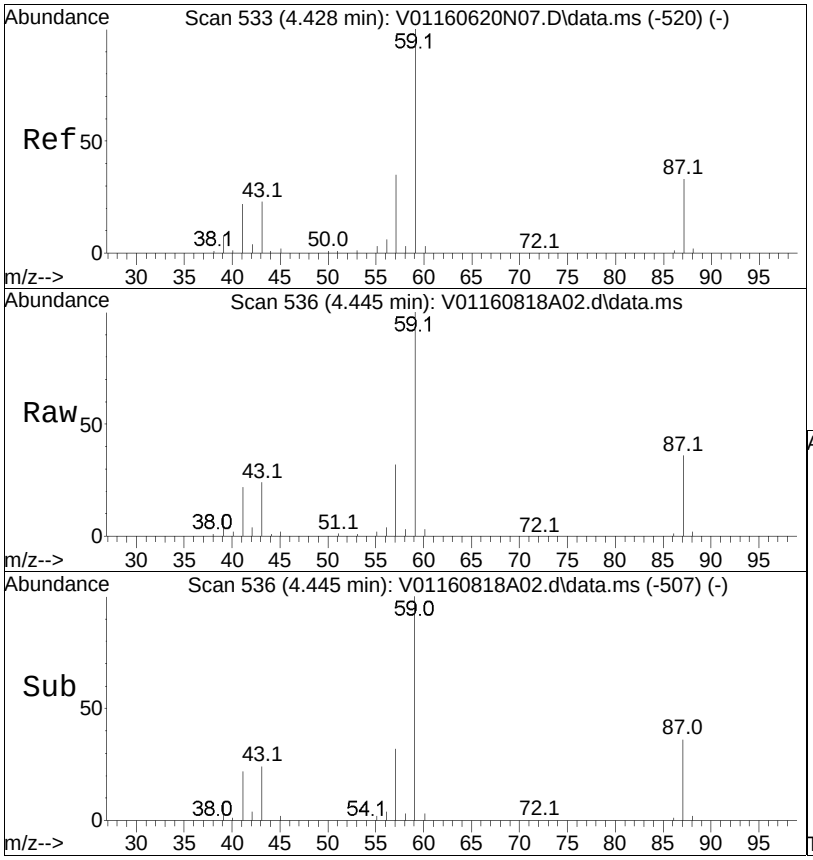


#25
Acrylonitrile
Concen: 8.07 ug/L
RT: 4.275 min Scan# 505
Delta R.T. 0.010 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 53 Resp: 18208

Ion	Ratio	Lower	Upper
53	100		
52	79.0	67.3	100.9
51	82.7	60.4	90.6

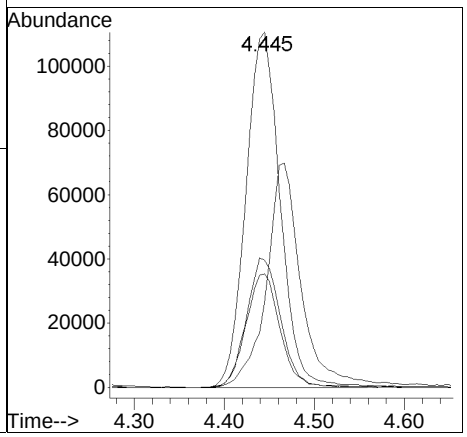


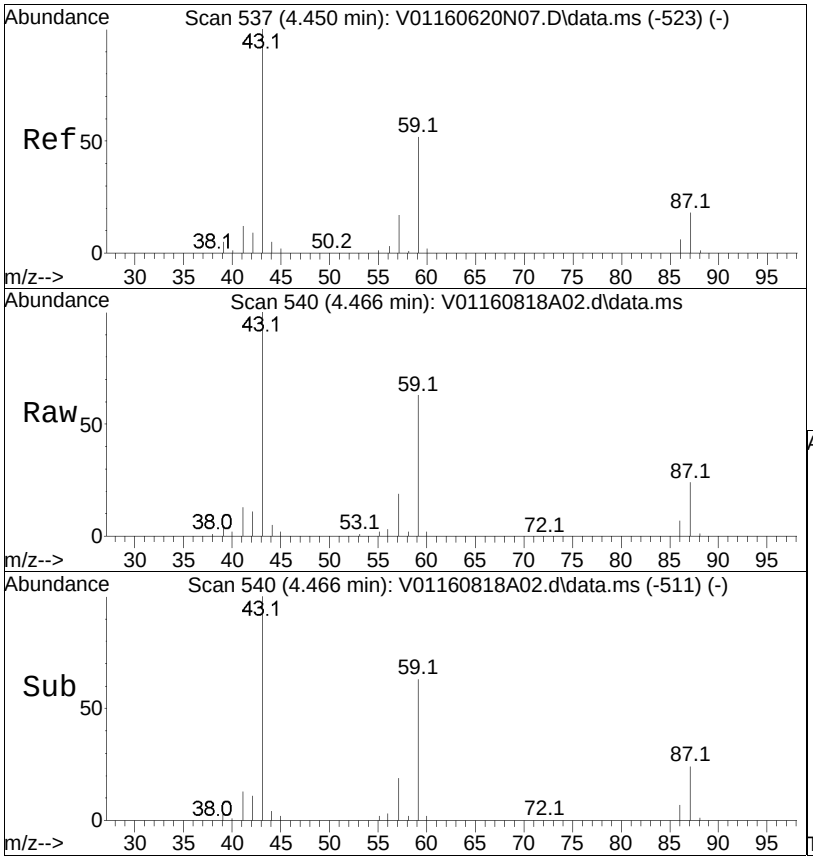


#26
Ethyl tert-butyl ether
Concen: 7.81 ug/L
RT: 4.445 min Scan# 536
Delta R.T. 0.011 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 59 Resp: 292742

Ion	Ratio	Lower	Upper
59	100		
87	36.3	24.4	50.8
57	31.8	20.7	43.1
43	63.7	41.5	86.3

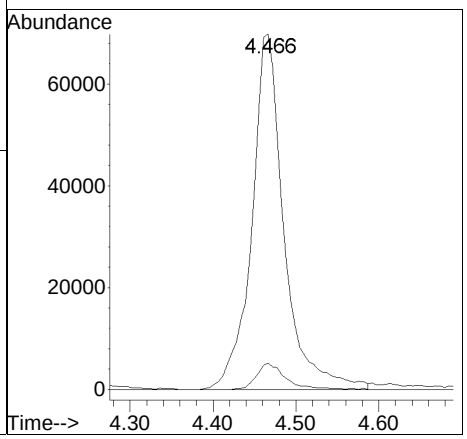


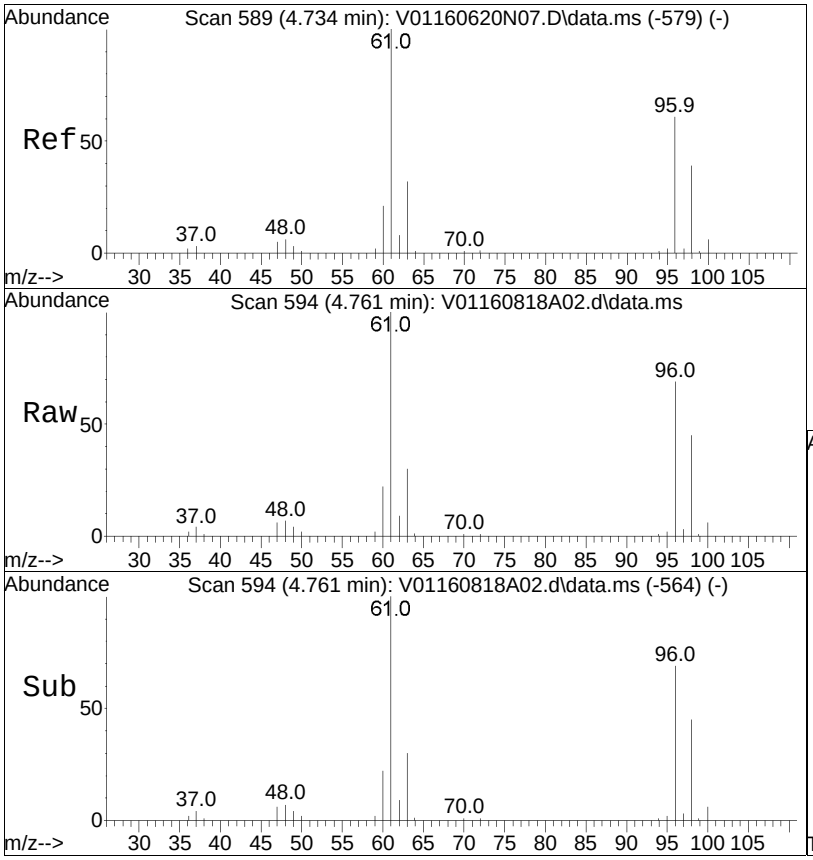


#27
Vinyl acetate
Concen: 8.25 ug/L
RT: 4.466 min Scan# 540
Delta R.T. 0.010 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 43 Resp: 188465

Ion	Ratio	Lower	Upper
43	100		
86	6.6	4.7	7.1

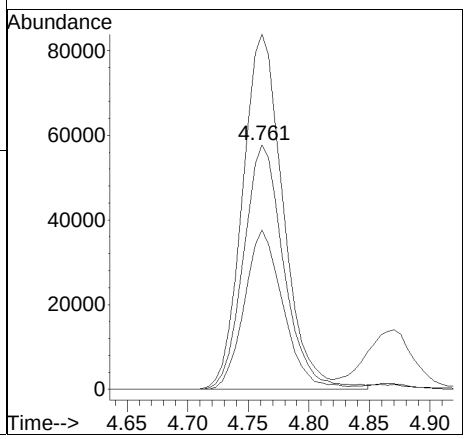


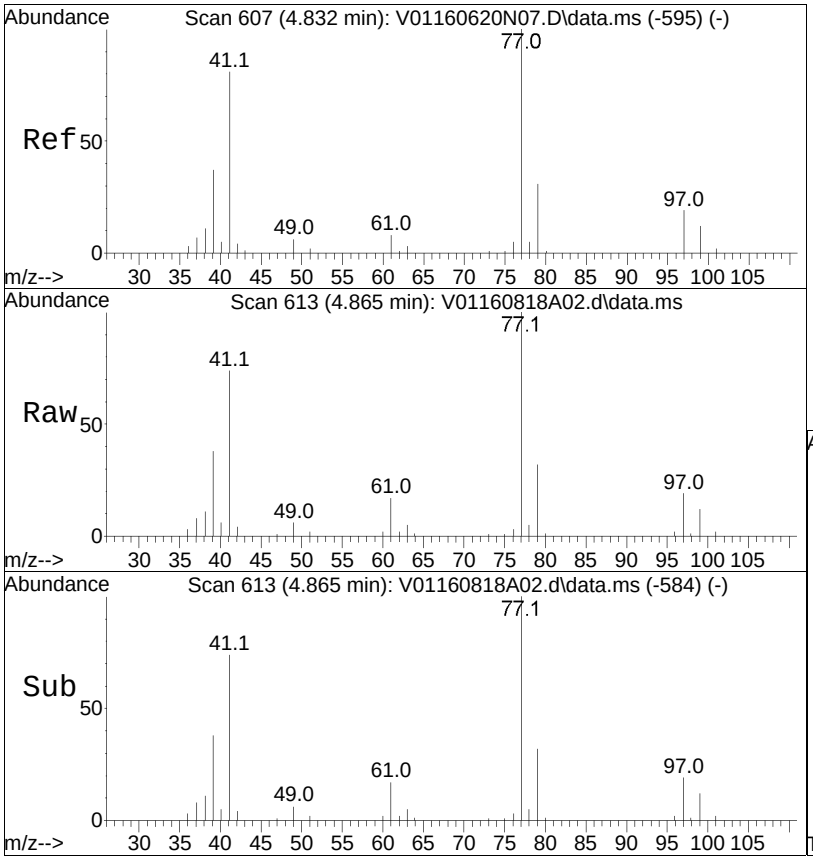


#28
cis-1,2-Dichloroethene
Concen: 9.58 ug/L
RT: 4.761 min Scan# 594
Delta R.T. 0.011 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 96 Resp: 133924

Ion	Ratio	Lower	Upper
96	100		
61	145.1	112.2	168.2
98	62.7	51.0	76.4

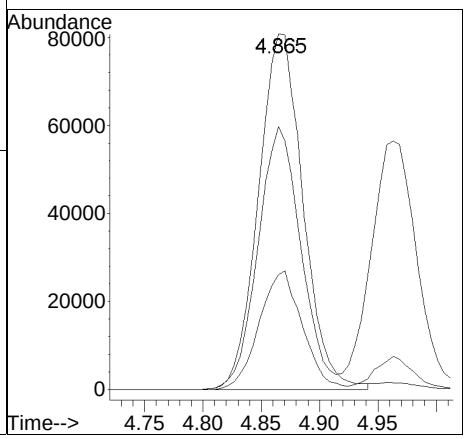


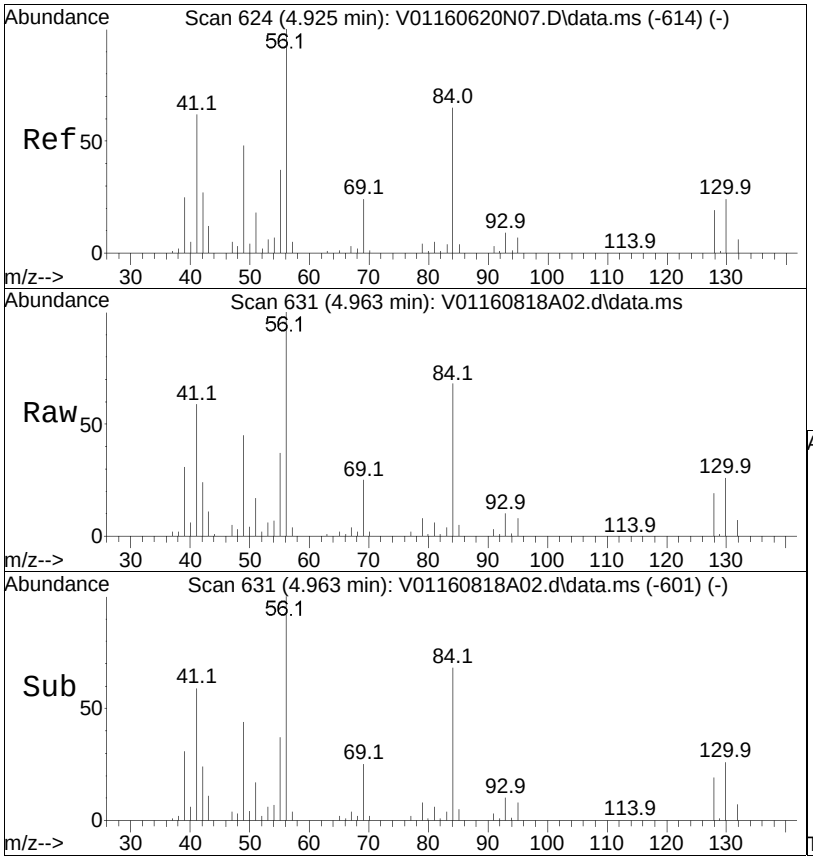


#29
2,2-Dichloropropane
Concen: 10.85 ug/L
RT: 4.865 min Scan# 613
Delta R.T. 0.006 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 77 Resp: 214594

Ion	Ratio	Lower	Upper
77	100		
41	71.2	50.4	104.6
79	32.2	21.0	43.6

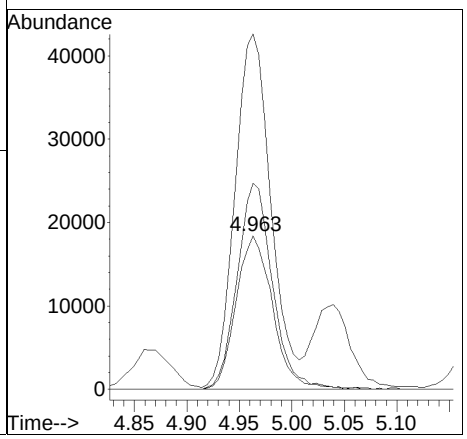


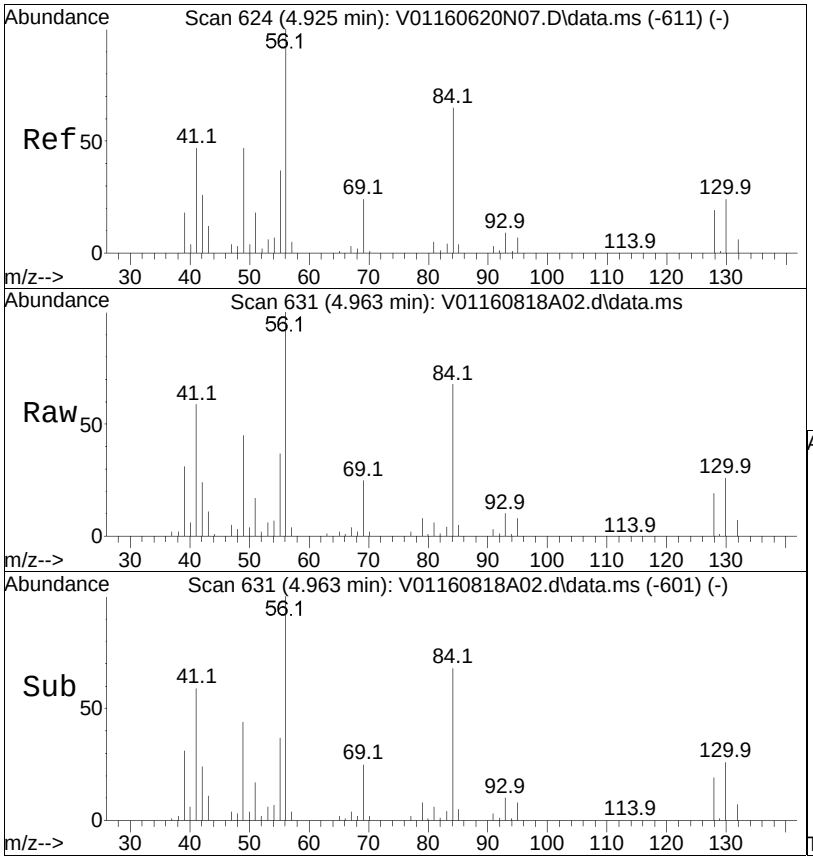


#30
Bromochloromethane
Concen: 8.88 ug/L
RT: 4.963 min Scan# 631
Delta R.T. 0.011 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:128 Resp: 44745

Ion	Ratio	Lower	Upper
128	100		
49	223.5	164.2	246.4
130	129.2	104.2	156.2

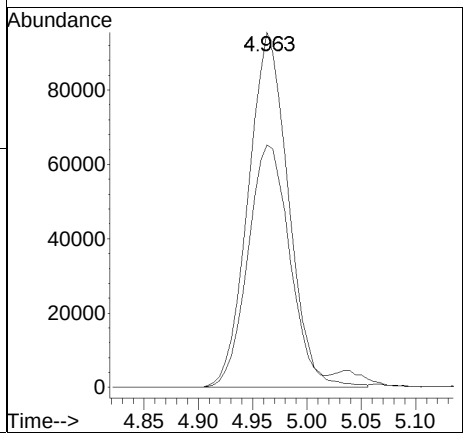


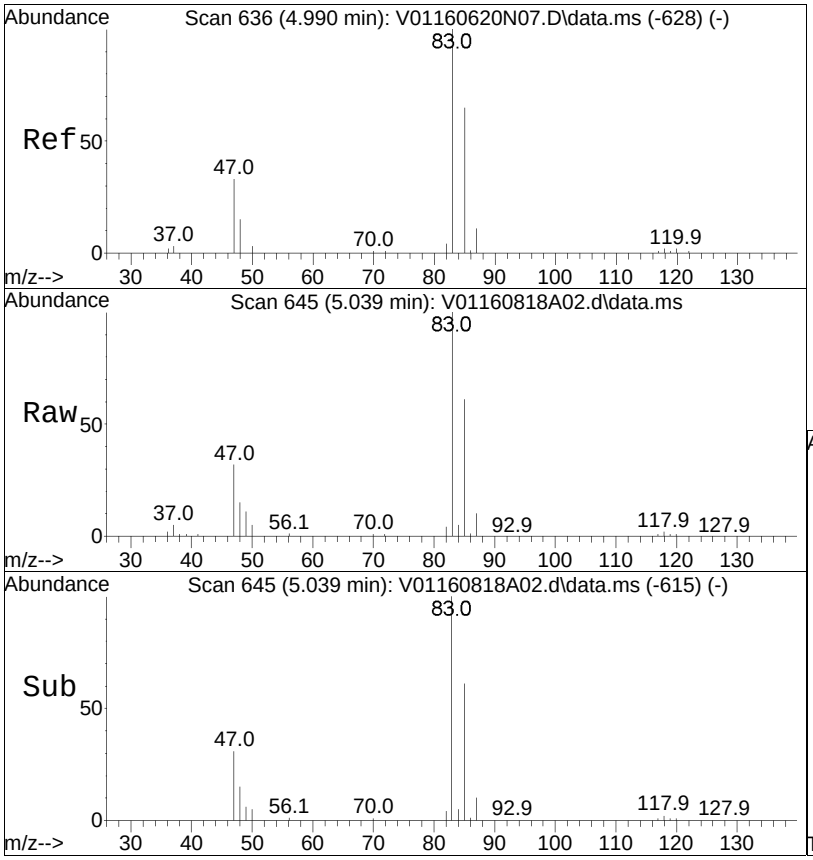


#31
Cyclohexane
Concen: 9.45 ug/L
RT: 4.963 min Scan# 631
Delta R.T. 0.011 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 56 Resp: 245439

Ion	Ratio	Lower	Upper
56	100		
84	71.2	48.8	101.3

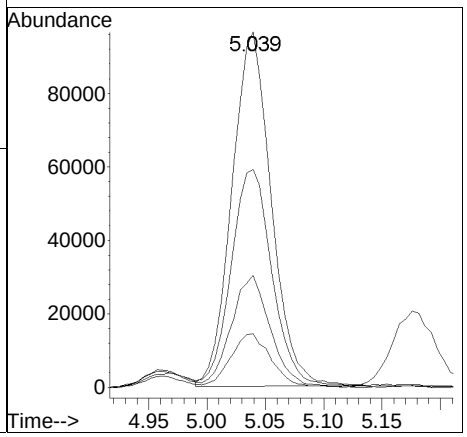


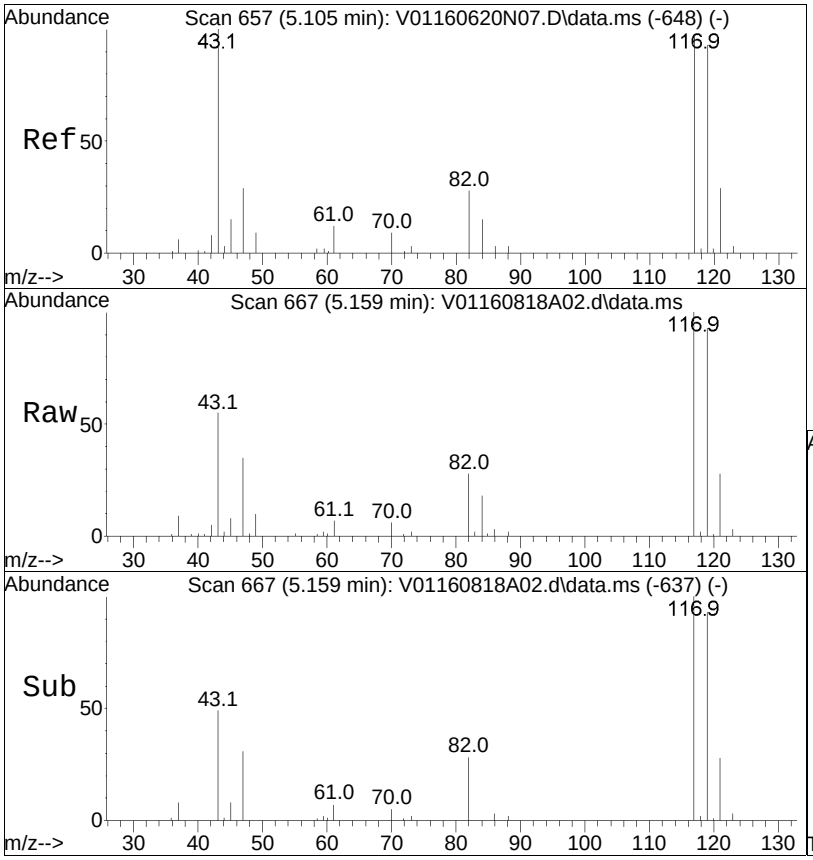


#32
Chloroform
Concen: 9.57 ug/L
RT: 5.039 min Scan# 645
Delta R.T. 0.011 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 83 Resp: 226222

Ion	Ratio	Lower	Upper
83	100		
85	64.1	42.3	87.9
47	30.9	20.5	42.7
48	15.7	9.8	20.4

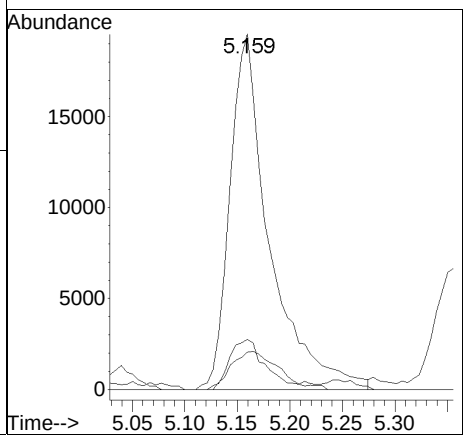


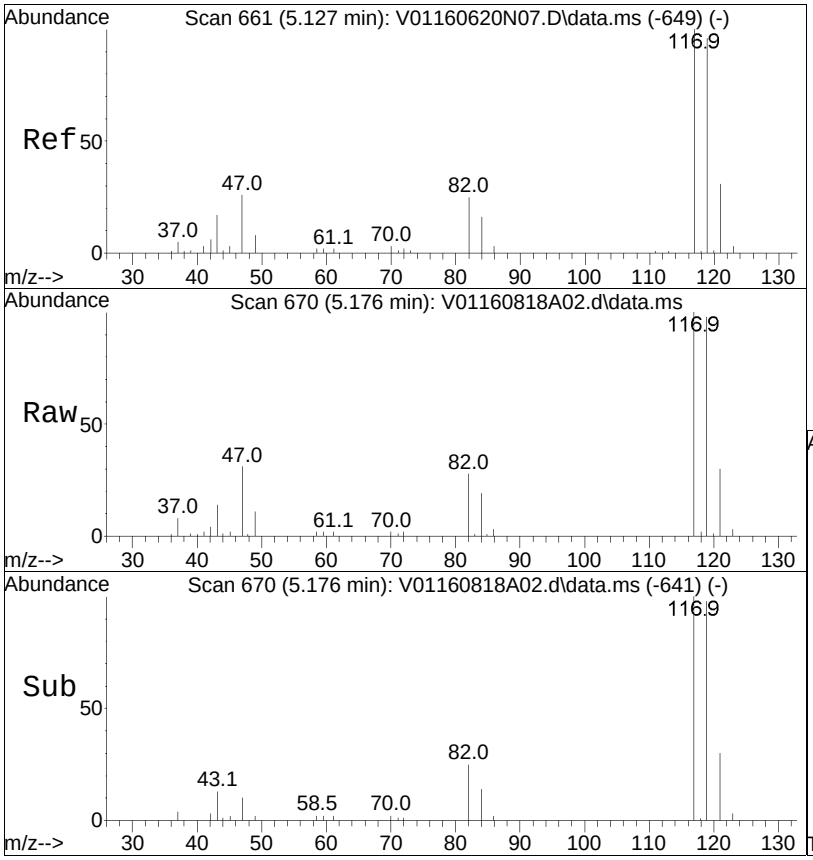


#33
Ethyl acetate
Concen: 7.58 ug/L
RT: 5.159 min Scan# 667
Delta R.T. 0.010 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 43 Resp: 51222

Ion	Ratio	Lower	Upper
43	100		
45	13.3	10.1	15.1
70	12.8	8.1	12.1#

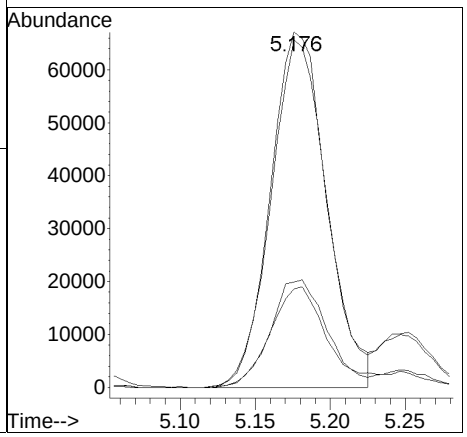


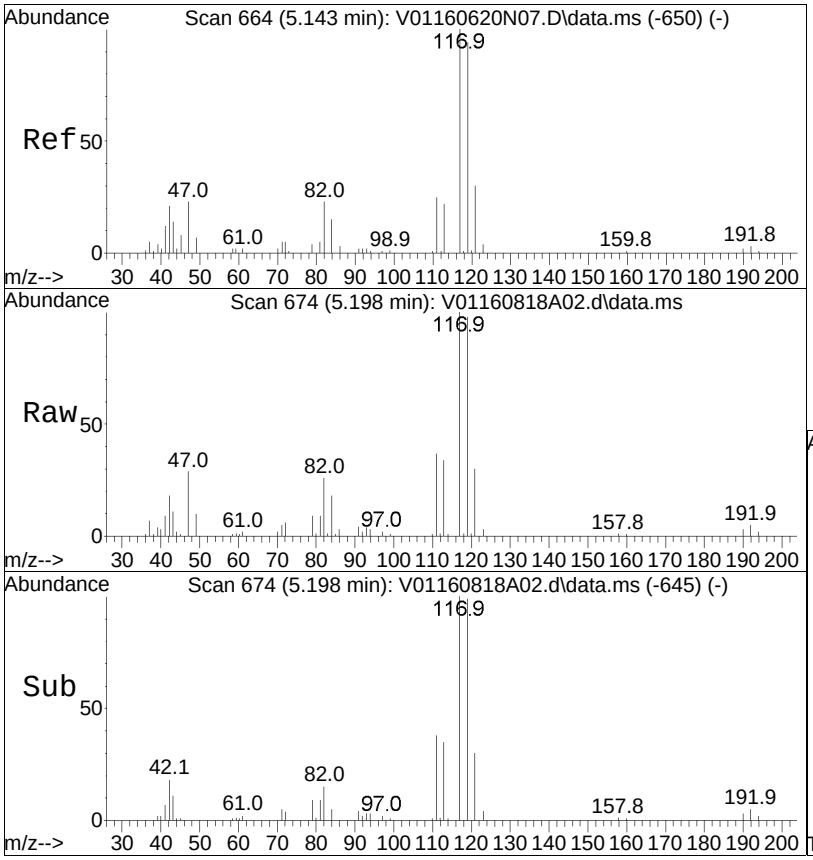


#34
Carbon tetrachloride
Concen: 9.35 ug/L
RT: 5.176 min Scan# 670
Delta R.T. 0.006 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:117 Resp: 175879

Ion	Ratio	Lower	Upper
117	100		
119	96.3	62.7	130.3
121	30.4	20.0	41.6
82	28.7	16.7	34.7

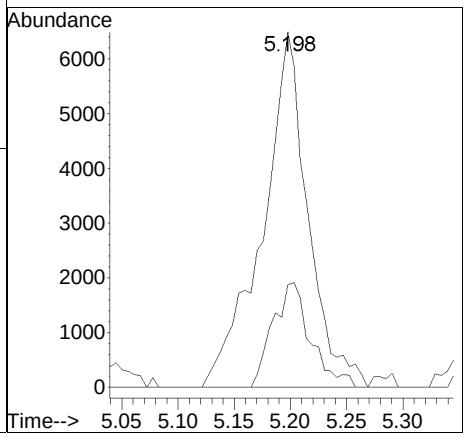


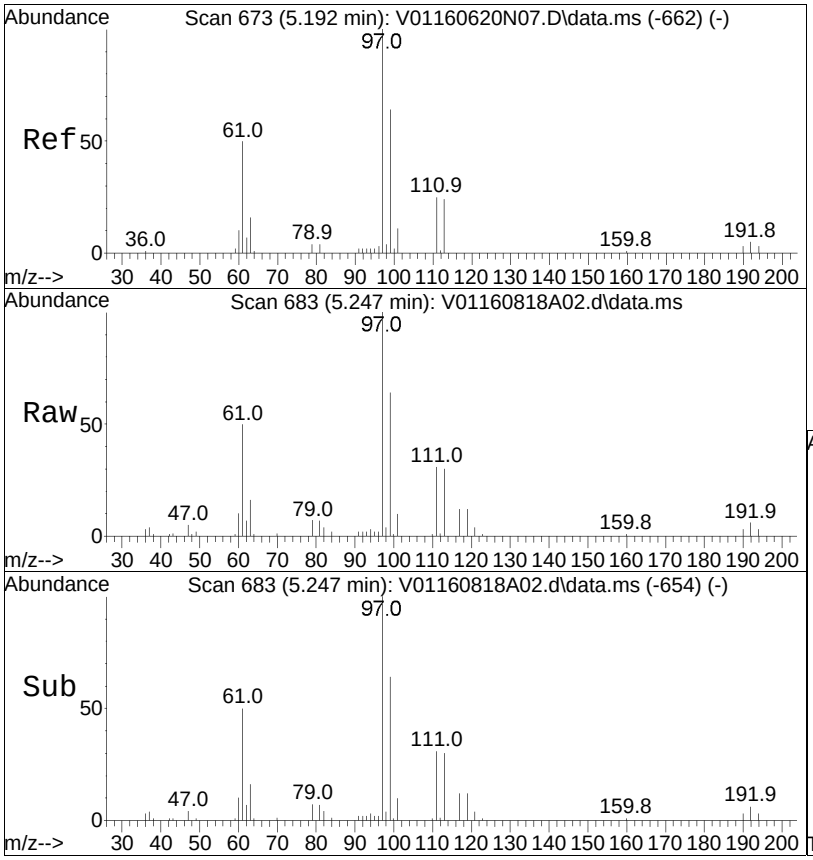


#35
Tetrahydrofuran
Concen: 7.76 ug/L
RT: 5.198 min Scan# 674
Delta R.T. 0.006 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 42 Resp: 18262

Ion	Ratio	Lower	Upper
42	100		
71	24.6	18.5	27.7

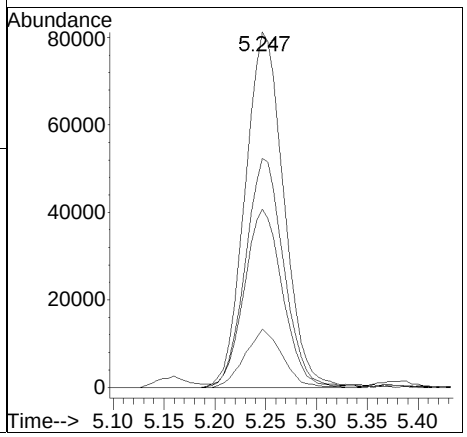


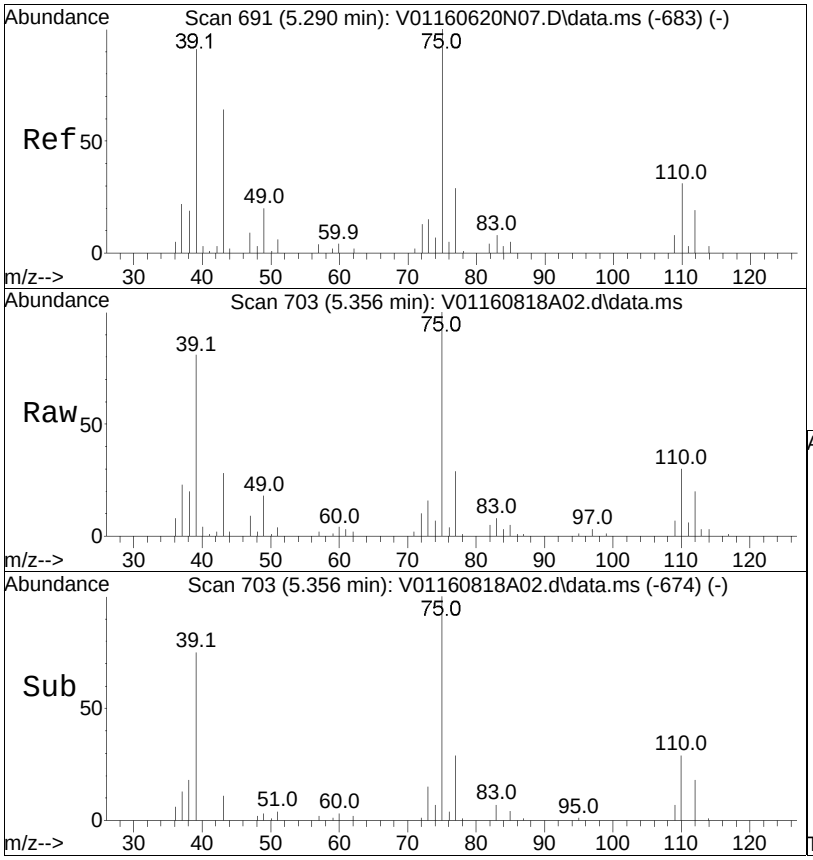


#37
1,1,1-Trichloroethane
Concen: 9.66 ug/L
RT: 5.247 min Scan# 683
Delta R.T. 0.006 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 97 Resp: 215798

Ion	Ratio	Lower	Upper
97	100		
99	63.7	41.7	86.7
61	48.9	30.9	64.3
63	15.8	9.8	20.3

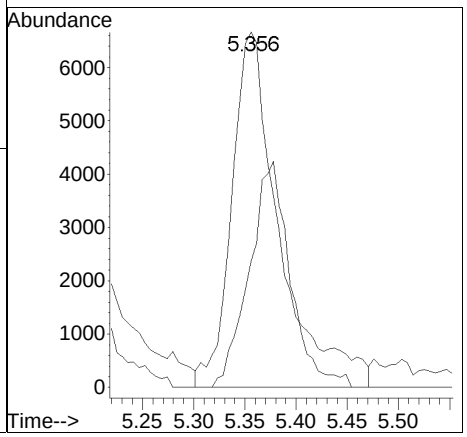


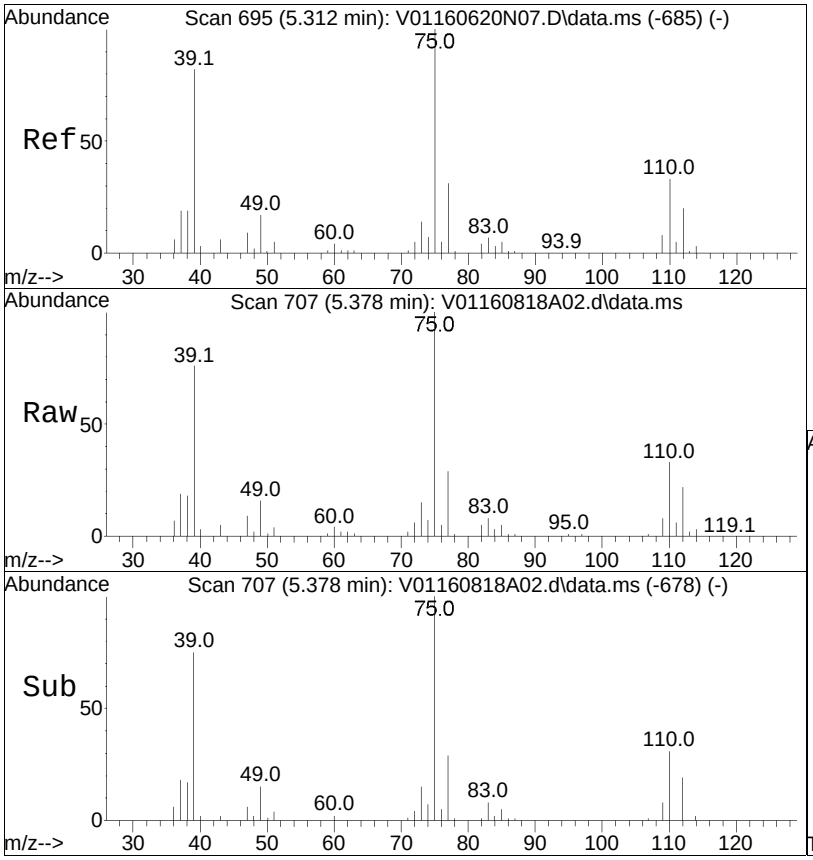


#39
2-Butanone
Concen: 9.06 ug/L M1
RT: 5.356 min Scan# 703
Delta R.T. 0.006 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 43 Resp: 21695

Ion	Ratio	Lower	Upper
43	100		
72	54.4	32.0	48.0#

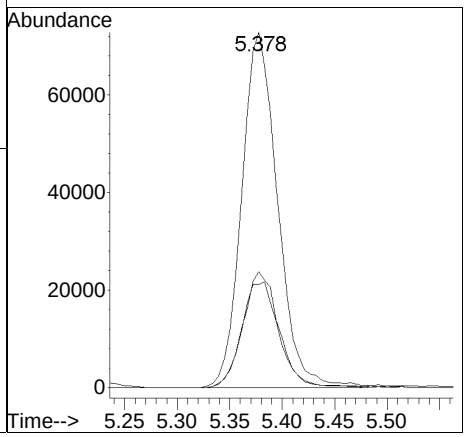


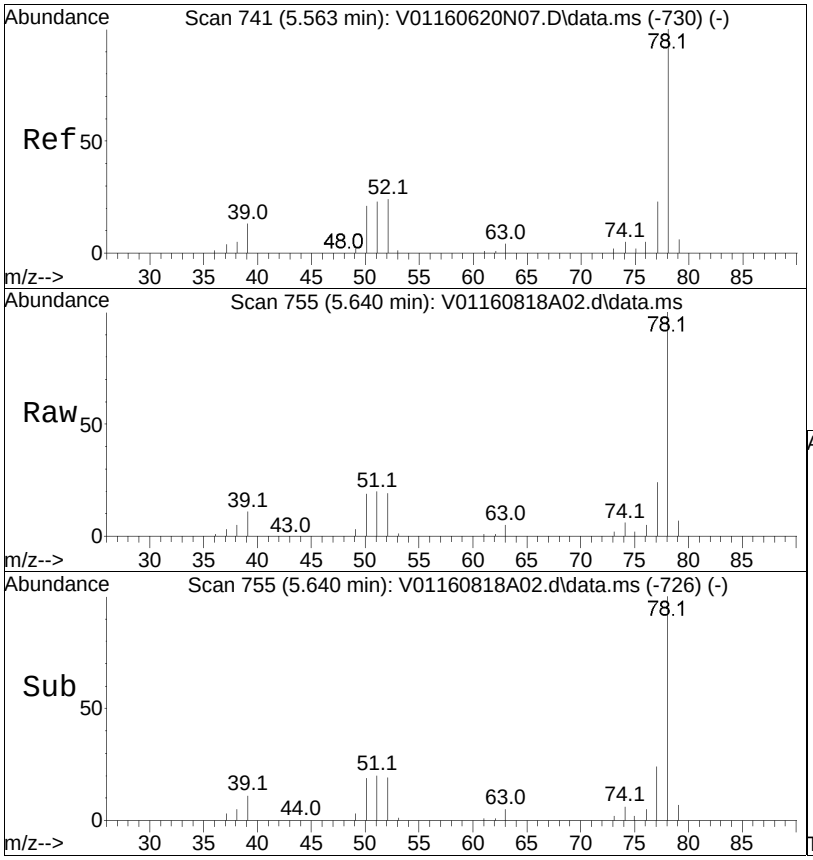


#40
1,1-Dichloropropene
Concen: 9.61 ug/L
RT: 5.378 min Scan# 707
Delta R.T. 0.006 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 75 Resp: 172649

Ion	Ratio	Lower	Upper
75	100		
110	32.7	23.0	47.8
77	31.0	20.2	42.0

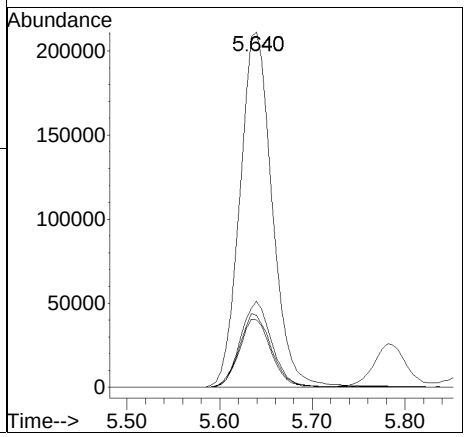


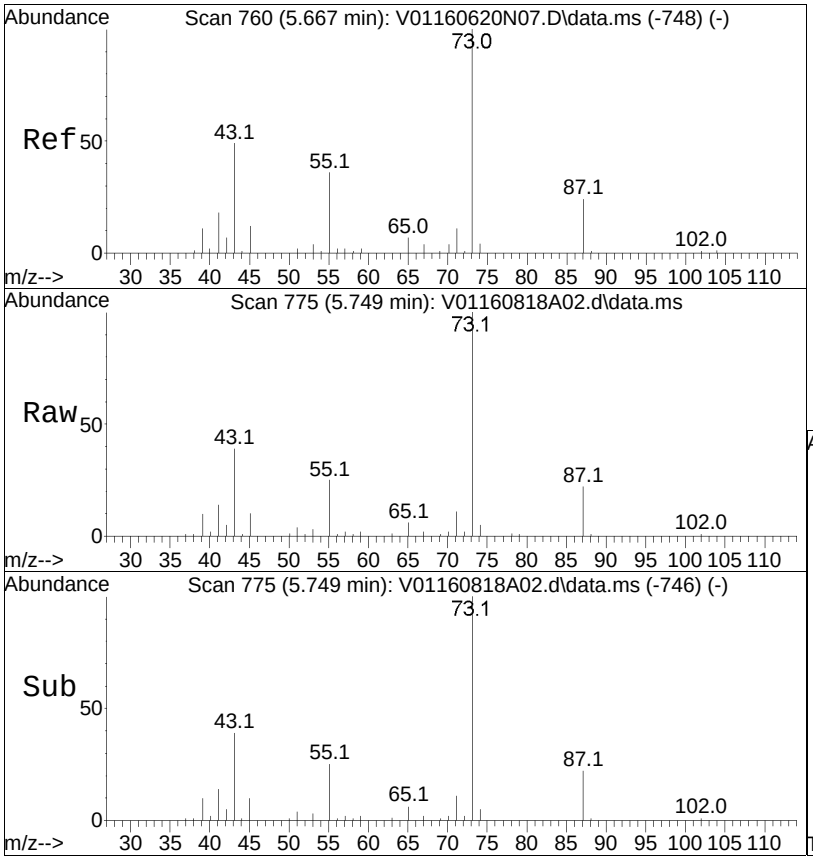


#41
Benzene
Concen: 9.67 ug/L
RT: 5.640 min Scan# 755
Delta R.T. 0.006 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 78 Resp: 512800

Ion	Ratio	Lower	Upper
78	100		
77	23.6	15.3	31.7
51	20.5	13.7	28.4
52	19.0	12.9	26.7

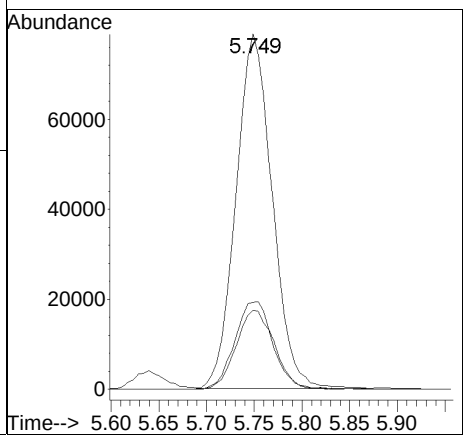


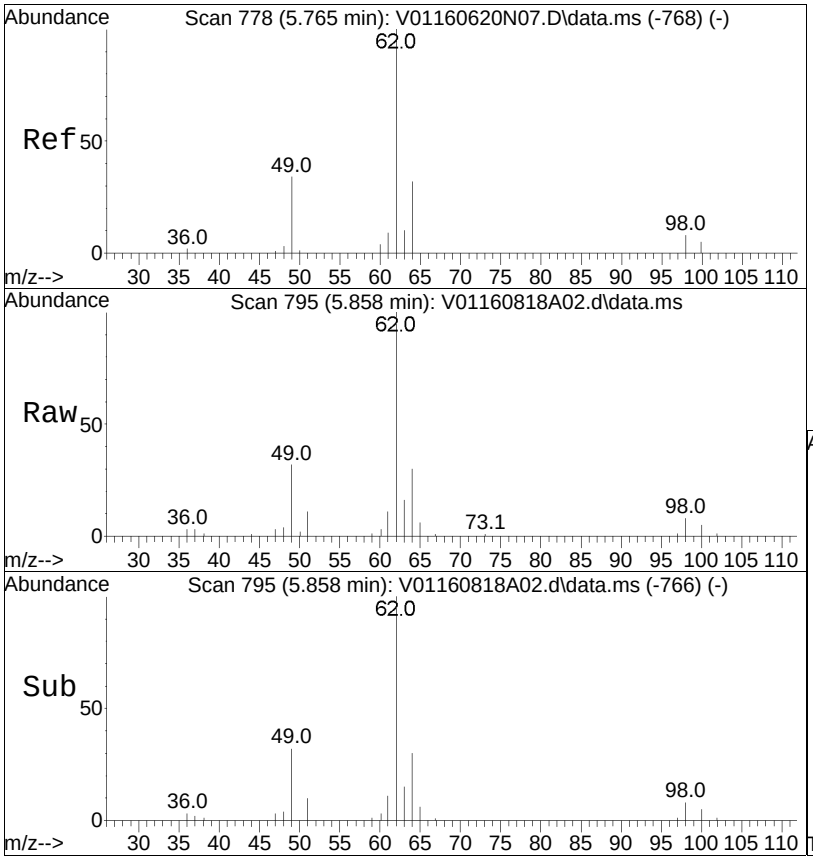


#42
tert-Amyl methyl ether
Concen: 7.38 ug/L
RT: 5.749 min Scan# 775
Delta R.T. 0.006 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 73 Resp: 207648

Ion	Ratio	Lower	Upper
73	100		
55	26.6	20.3	42.3
87	23.2	15.9	32.9

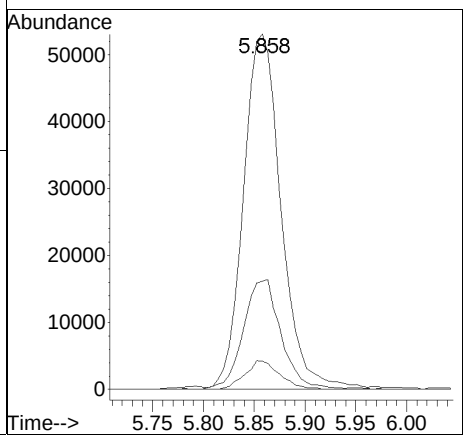


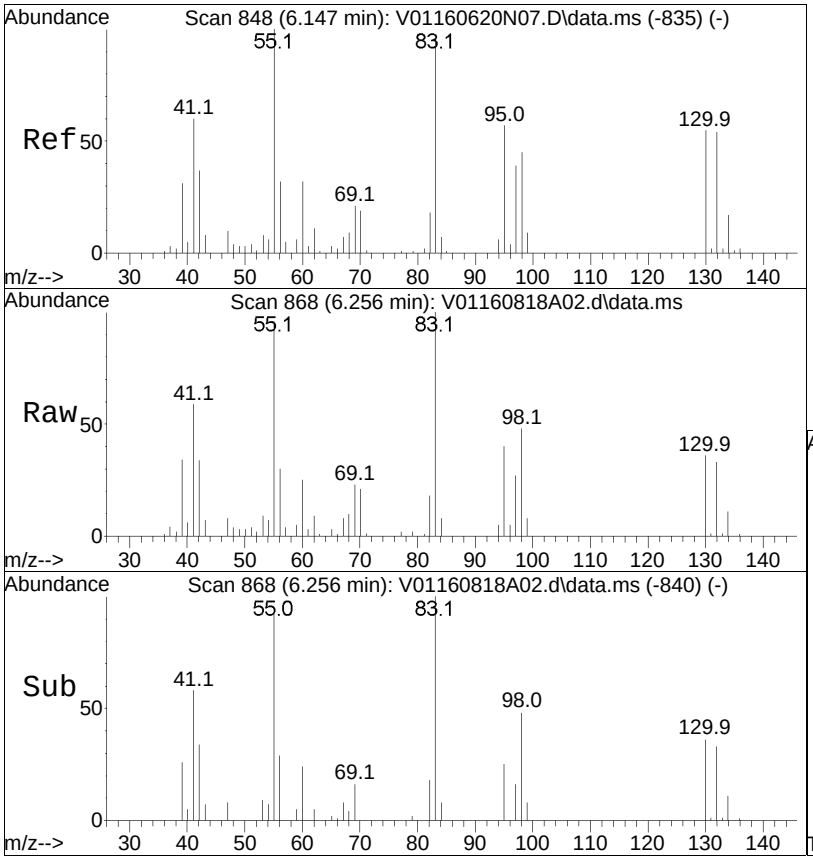


#44
1,2-Dichloroethane
Concen: 8.70 ug/L
RT: 5.858 min Scan# 795
Delta R.T. 0.006 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 62 Resp: 137273

Ion	Ratio	Lower	Upper
62	100		
64	30.1	12.2	52.2
98	7.5	0.0	28.3

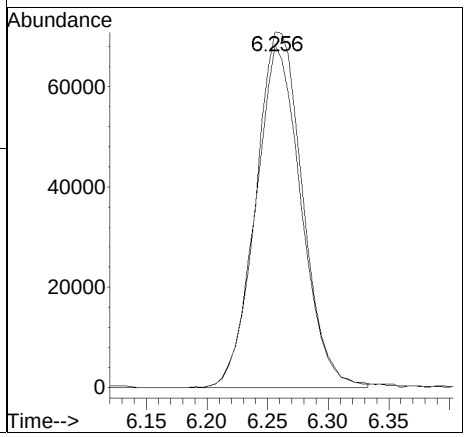


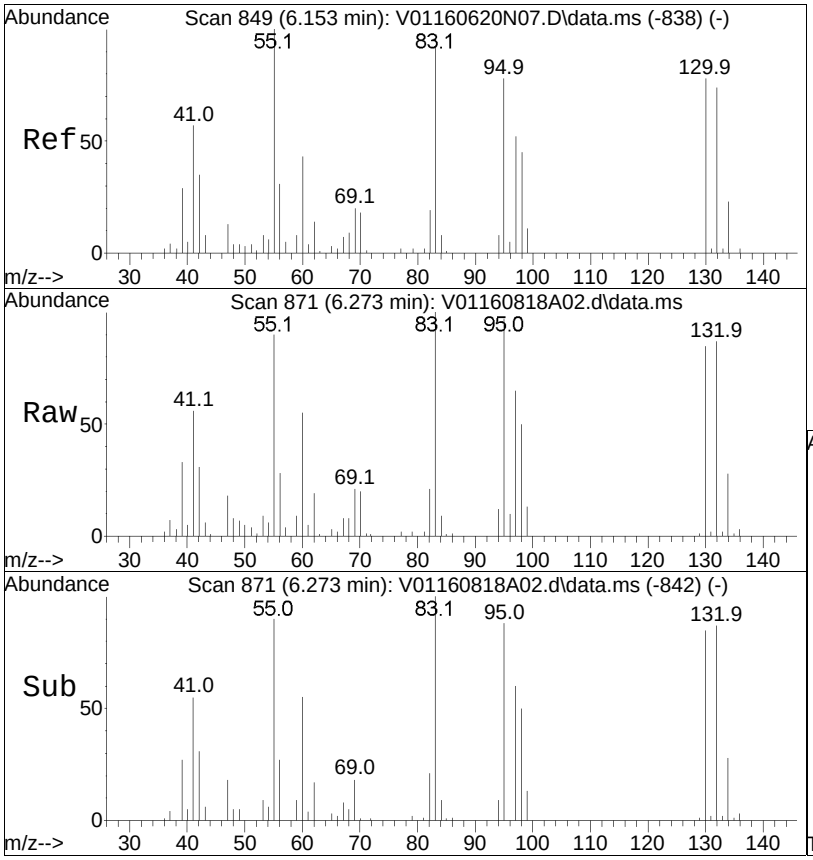


#47
Methyl cyclohexane
Concen: 8.85 ug/L
RT: 6.256 min Scan# 868
Delta R.T. 0.005 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 83 Resp: 191097

Ion	Ratio	Lower	Upper
83	100		
55	93.5	74.0	111.0

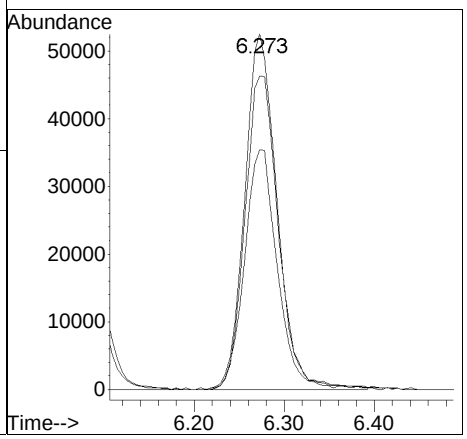


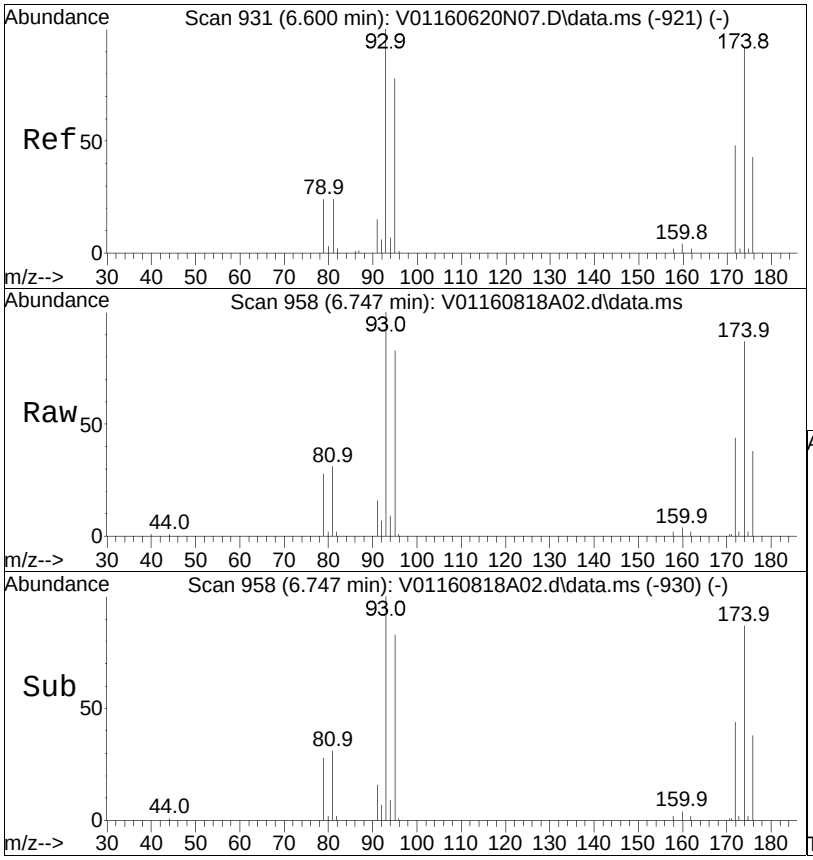


#48
Trichloroethene
Concen: 9.31 ug/L
RT: 6.273 min Scan# 871
Delta R.T. 0.006 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 95 Resp: 131735

Ion	Ratio	Lower	Upper
95	100		
97	67.9	55.2	82.8
130	90.6	81.2	121.8

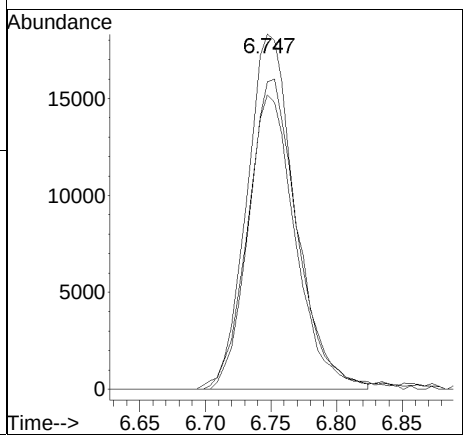


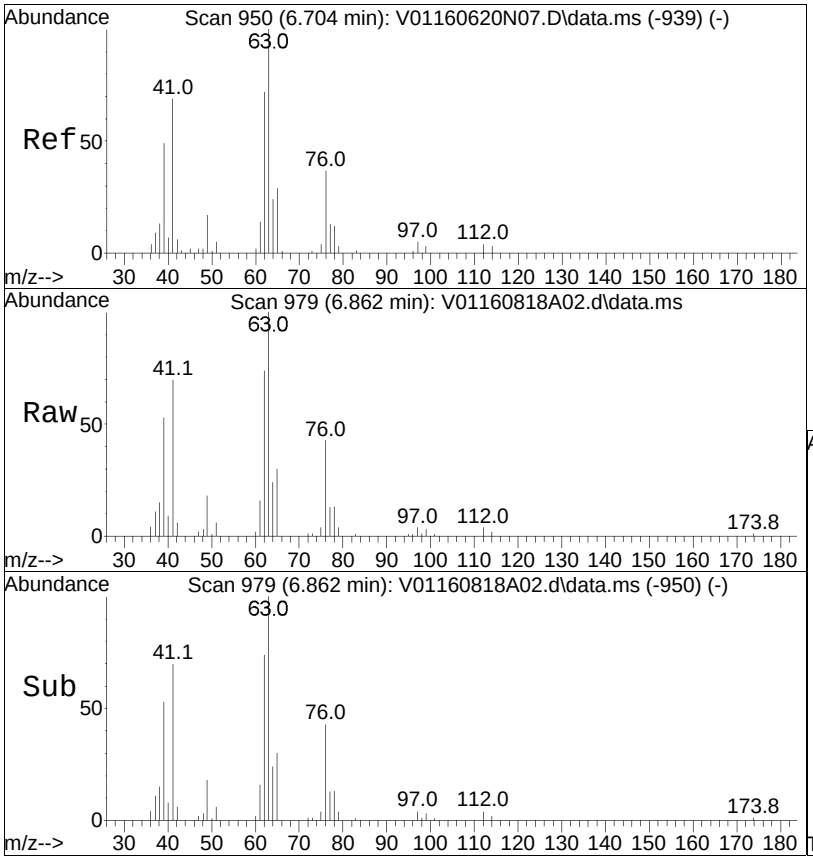


#50
Dibromomethane
Concen: 8.22 ug/L
RT: 6.747 min Scan# 958
Delta R.T. 0.005 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 93 Resp: 46926

Ion	Ratio	Lower	Upper
93	100		
95	84.4	67.0	100.6
174	88.6	75.4	113.0

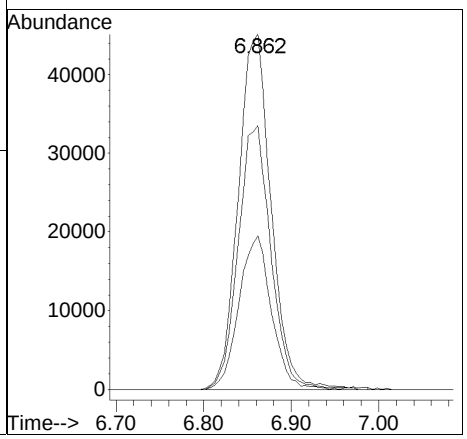


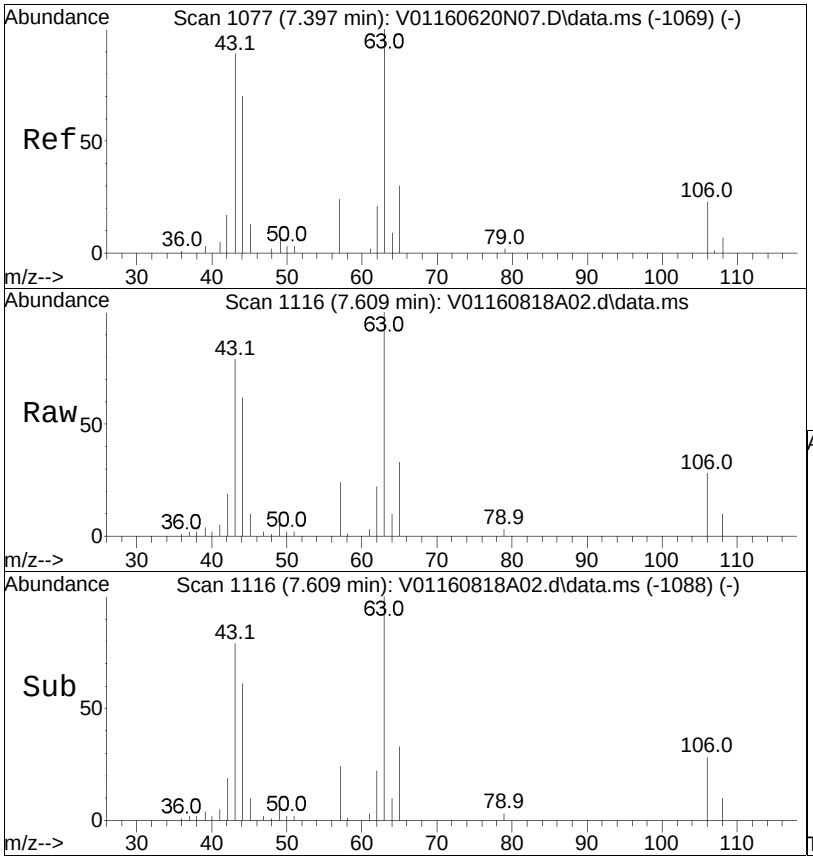


#51
1,2-Dichloropropane
Concen: 9.38 ug/L
RT: 6.862 min Scan# 979
Delta R.T. 0.011 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 63 Resp: 118040

Ion	Ratio	Lower	Upper
63	100		
62	73.4	56.9	85.3
76	42.6	33.3	49.9

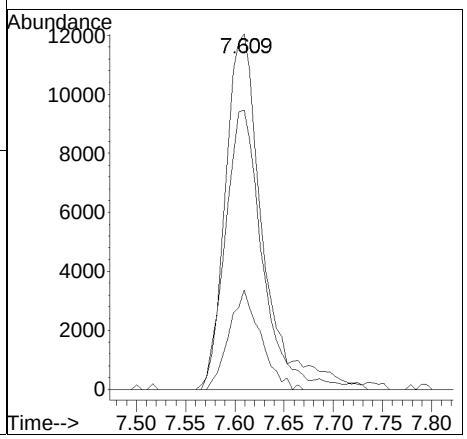


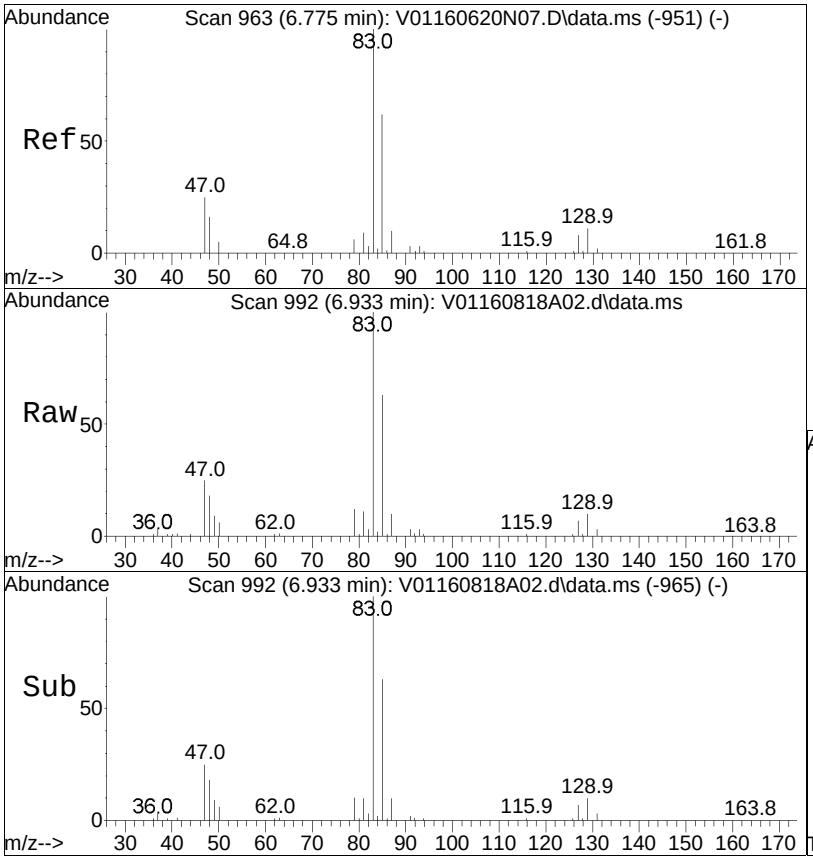


#53
2-Chloroethyl vinyl ether
Concen: 7.63 ug/L
RT: 7.609 min Scan# 1116
Delta R.T. 0.005 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 63 Resp: 31837

Ion	Ratio	Lower	Upper
63	100		
43	78.0	69.0	103.4
106	23.7	20.2	30.2

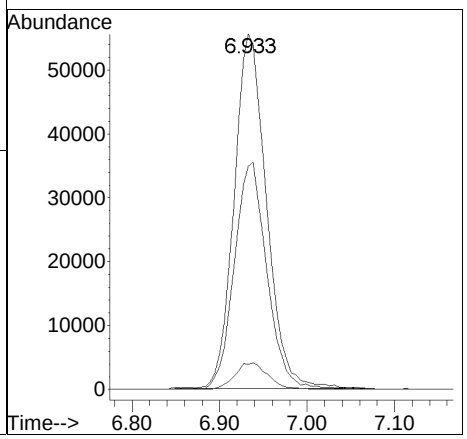


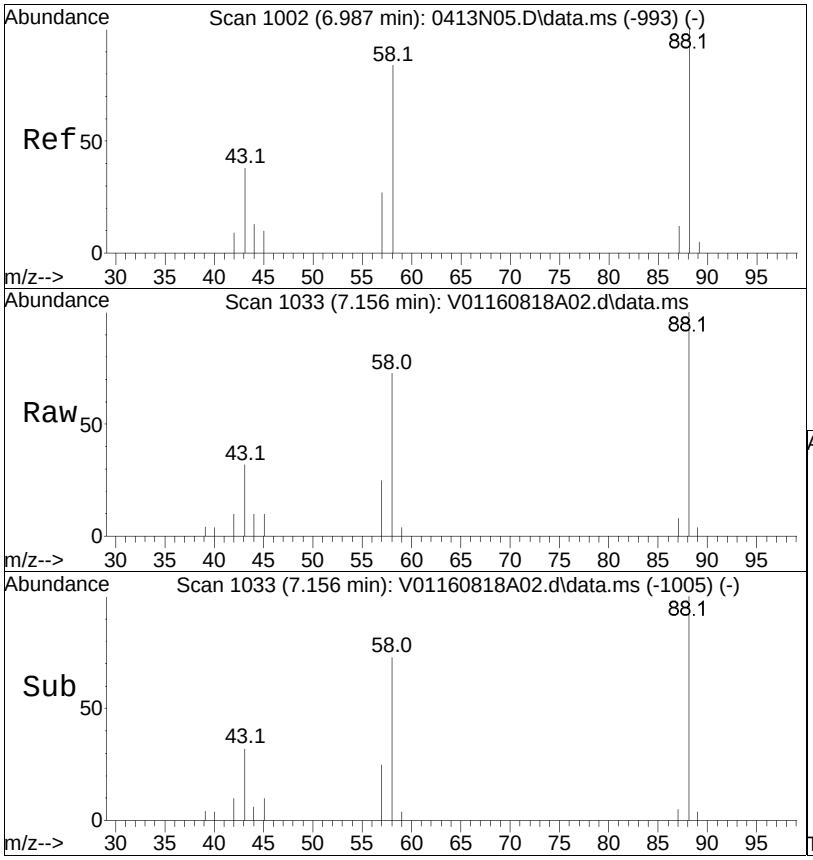


#54
Bromodichloromethane
Concen: 8.87 ug/L
RT: 6.933 min Scan# 992
Delta R.T. -0.000 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 83 Resp: 142437

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.4	77.0
127	7.7	6.7	10.1

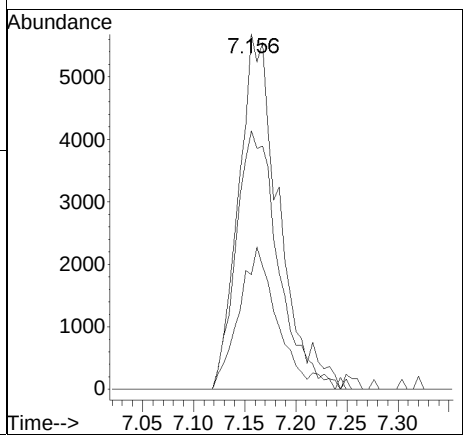


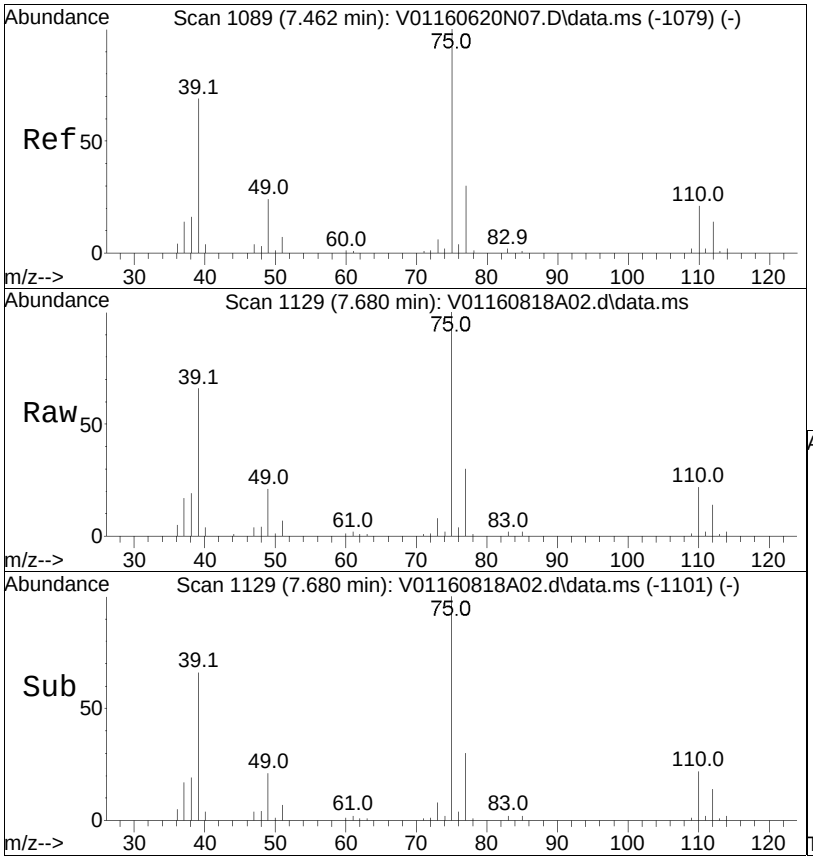


#57
1,4-Dioxane
Concen: 388.46 ug/L M1
RT: 7.156 min Scan# 1033
Delta R.T. 0.005 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 88 Resp: 15807

Ion	Ratio	Lower	Upper
88	100		
58	75.9	63.6	95.4
43	36.6	30.8	46.2

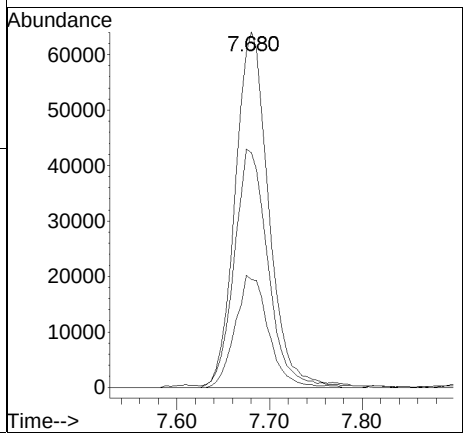


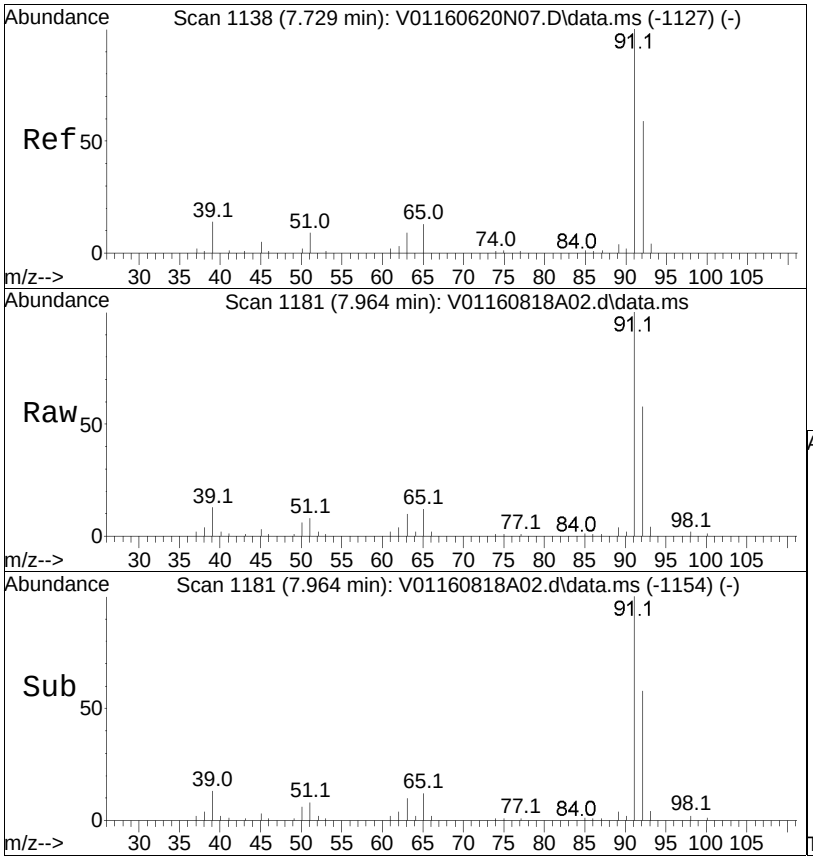


#58
cis-1,3-Dichloropropene
Concen: 8.87 ug/L
RT: 7.680 min Scan# 1129
Delta R.T. 0.005 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 75 Resp: 161422

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.4
39	66.0	56.1	84.1

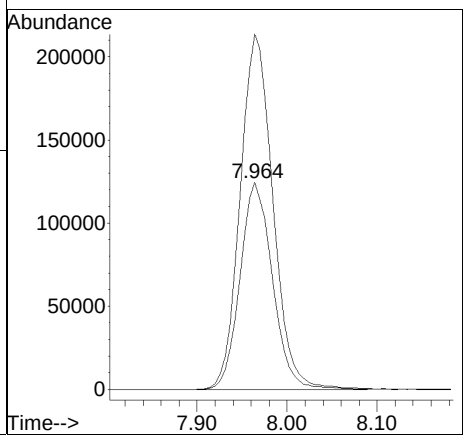


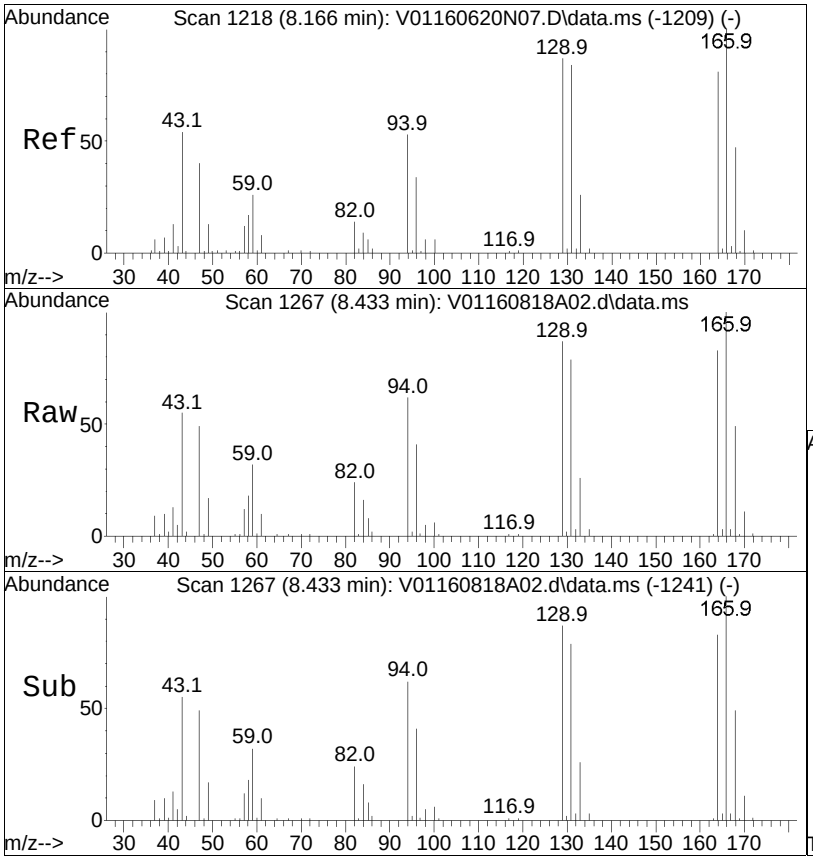


#61
Toluene
Concen: 9.77 ug/L
RT: 7.964 min Scan# 1181
Delta R.T. 0.000 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 92 Resp: 311547

Ion	Ratio	Lower	Upper
92	100		
91	173.3	135.4	203.0

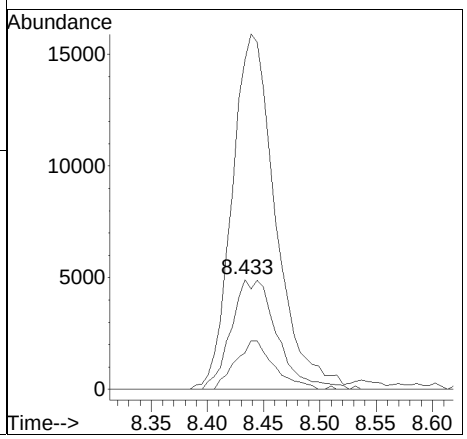


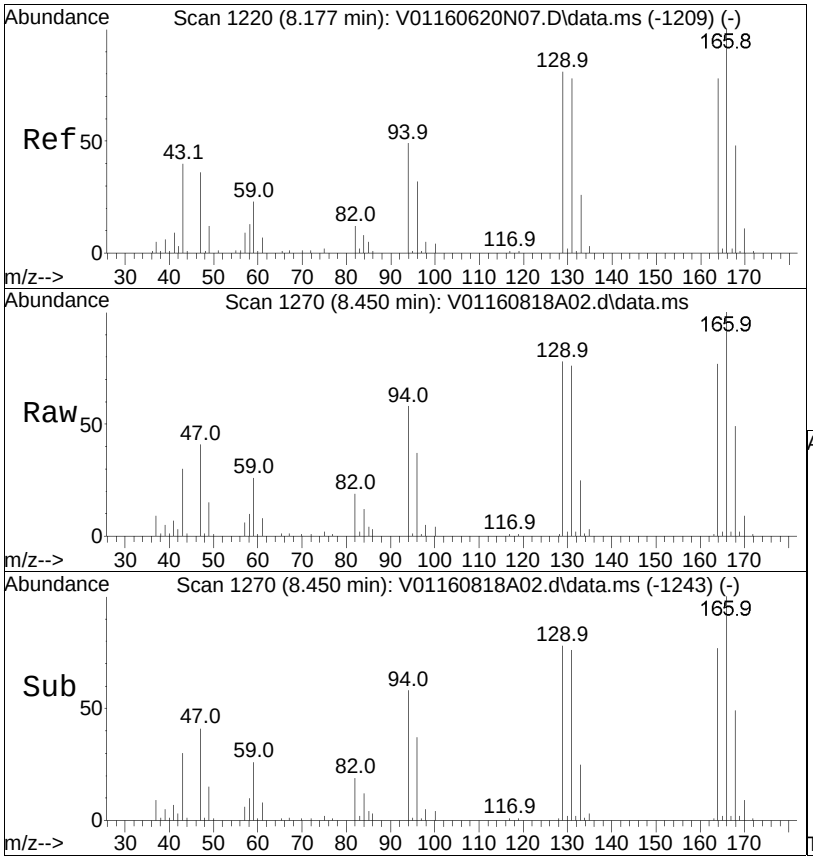


#62
4-Methyl-2-pentanone
Concen: 6.73 ug/L
RT: 8.433 min Scan# 1267
Delta R.T. -0.006 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 58 Resp: 13991

Ion	Ratio	Lower	Upper
58	100		
100	37.4	28.1	42.1
43	306.6	251.4	377.2

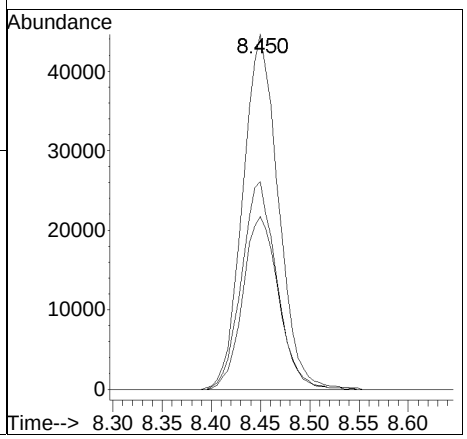


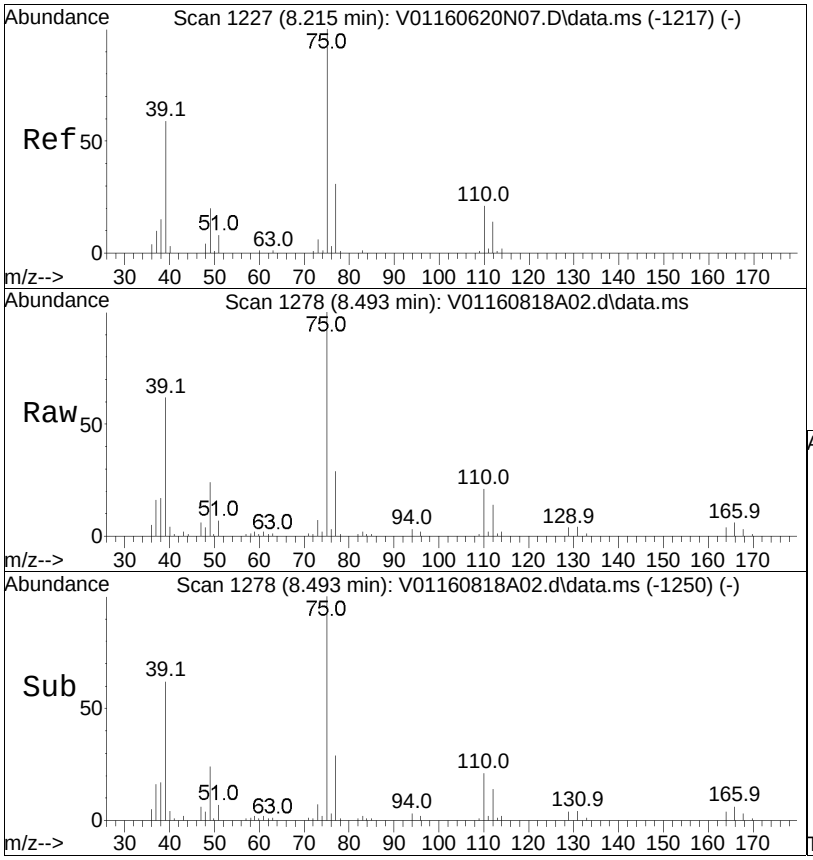


#63
Tetrachloroethene
Concen: 9.30 ug/L
RT: 8.450 min Scan# 1270
Delta R.T. -0.000 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:166 Resp: 112260

Ion	Ratio	Lower	Upper
166	100		
168	49.5	27.9	67.9
94	57.7	30.3	70.3

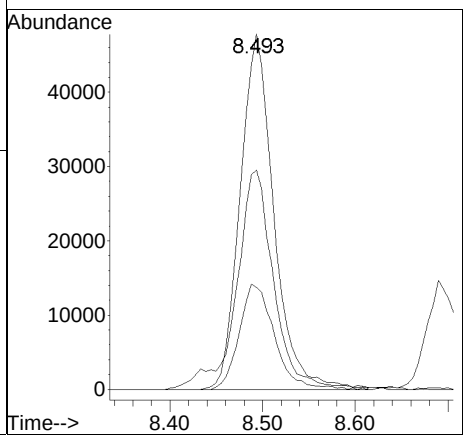


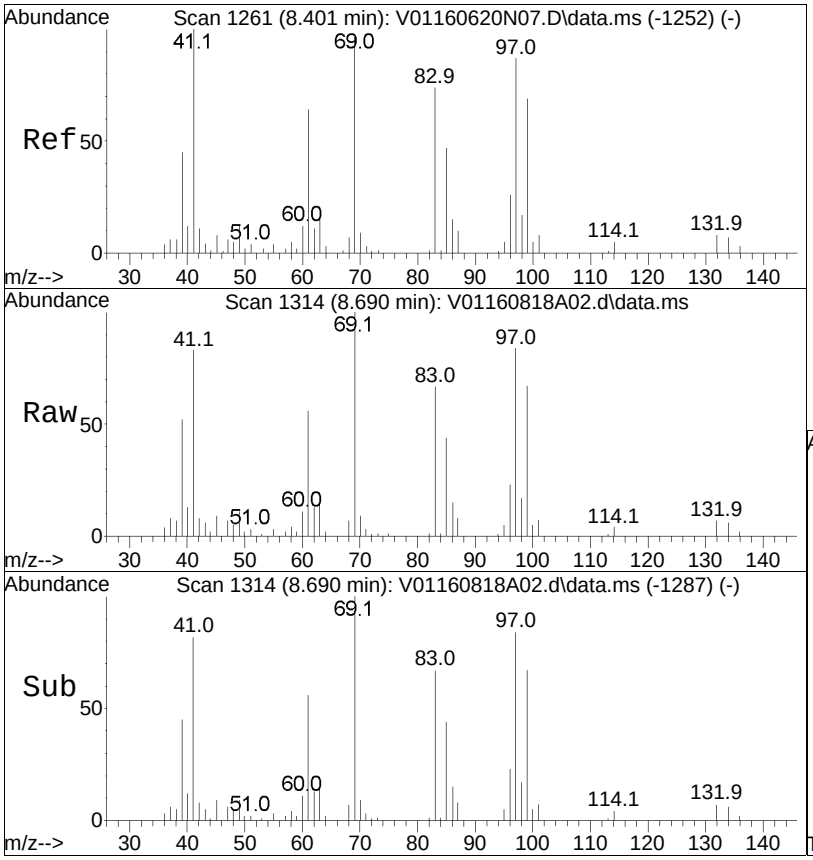


#65
trans-1,3-Dichloropropene
Concen: 8.64 ug/L
RT: 8.493 min Scan# 1278
Delta R.T. 0.005 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 75 Resp: 121065

Ion	Ratio	Lower	Upper
75	100		
77	30.9	11.2	51.2
39	68.0	52.3	92.3

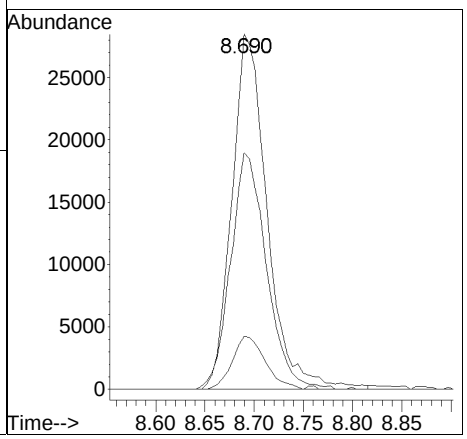


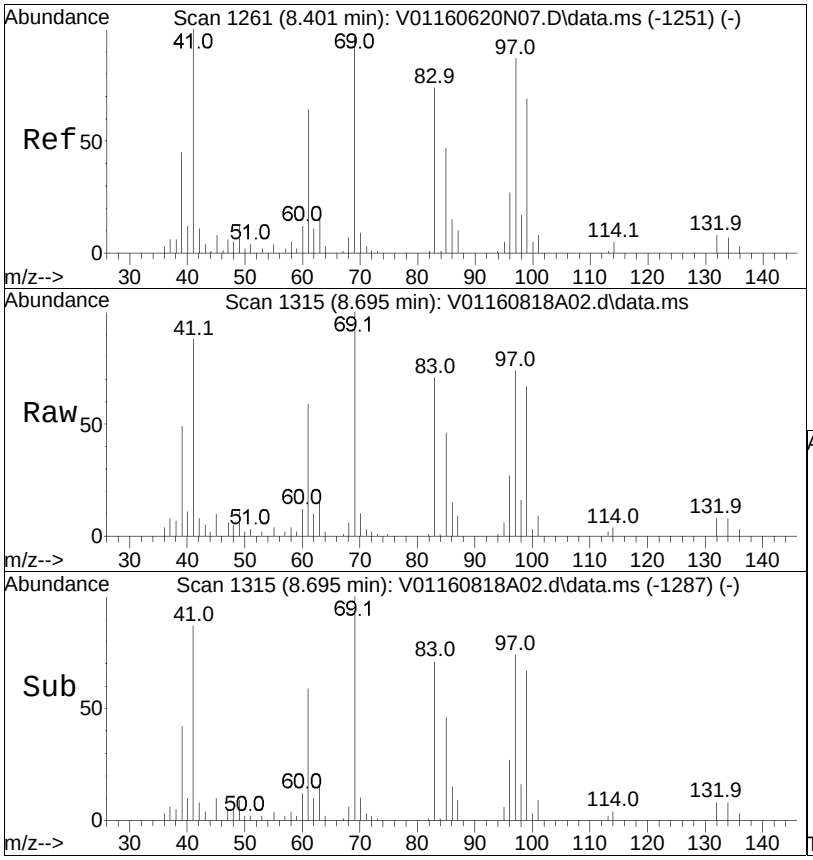


#67
Ethyl methacrylate
Concen: 7.74 ug/L
RT: 8.690 min Scan# 1314
Delta R.T. -0.005 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 69 Resp: 71168

Ion	Ratio	Lower	Upper
69	100		
99	67.6	53.0	93.0
86	14.0	0.0	35.7

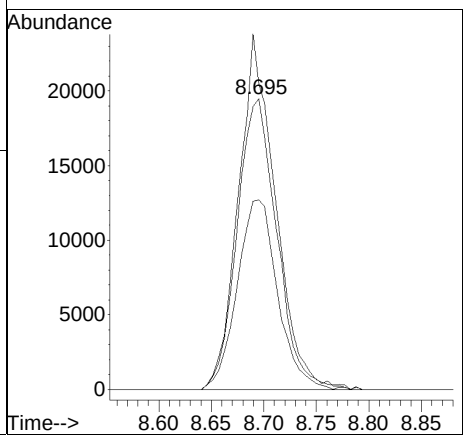


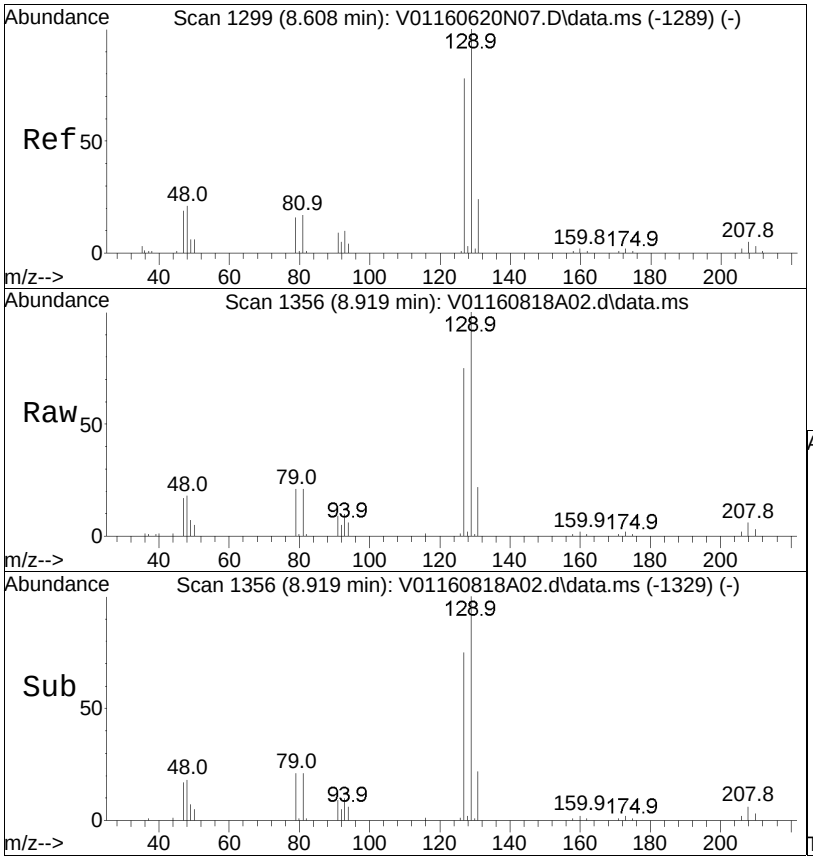


#68
1,1,2-Trichloroethane
Concen: 8.27 ug/L
RT: 8.695 min Scan# 1315
Delta R.T. 0.000 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 83 Resp: 51328

Ion	Ratio	Lower	Upper
83	100		
97	113.6	100.7	140.7
85	66.1	47.4	87.4

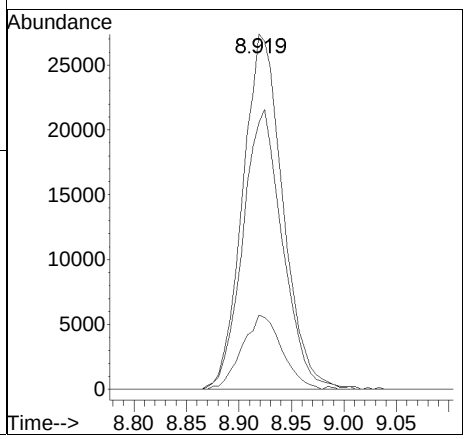


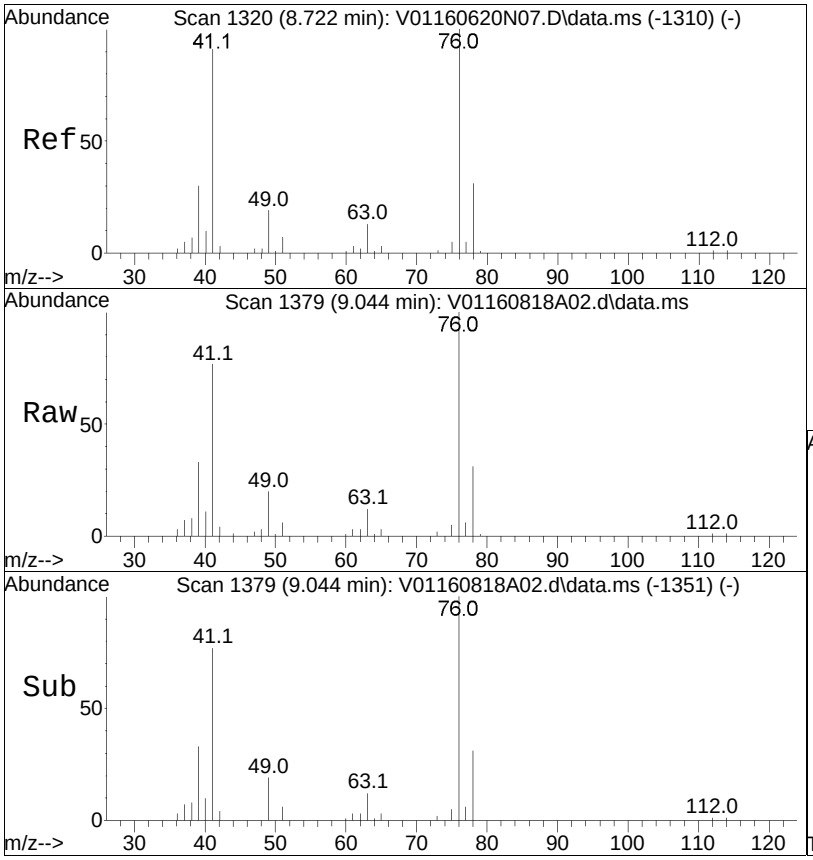


#69
Chlorodibromomethane
Concen: 8.38 ug/L
RT: 8.919 min Scan# 1356
Delta R.T. -0.005 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:129 Resp: 72924

Ion	Ratio	Lower	Upper
129	100		
81	20.8	0.0	37.2
127	78.1	57.7	97.7

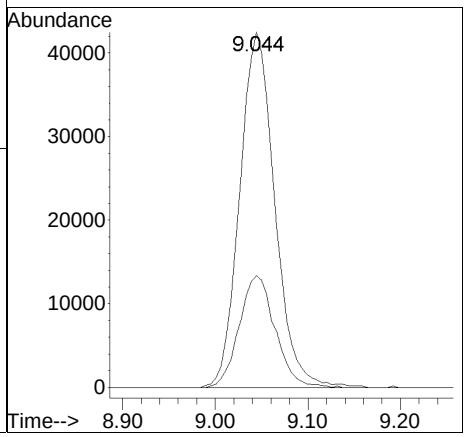


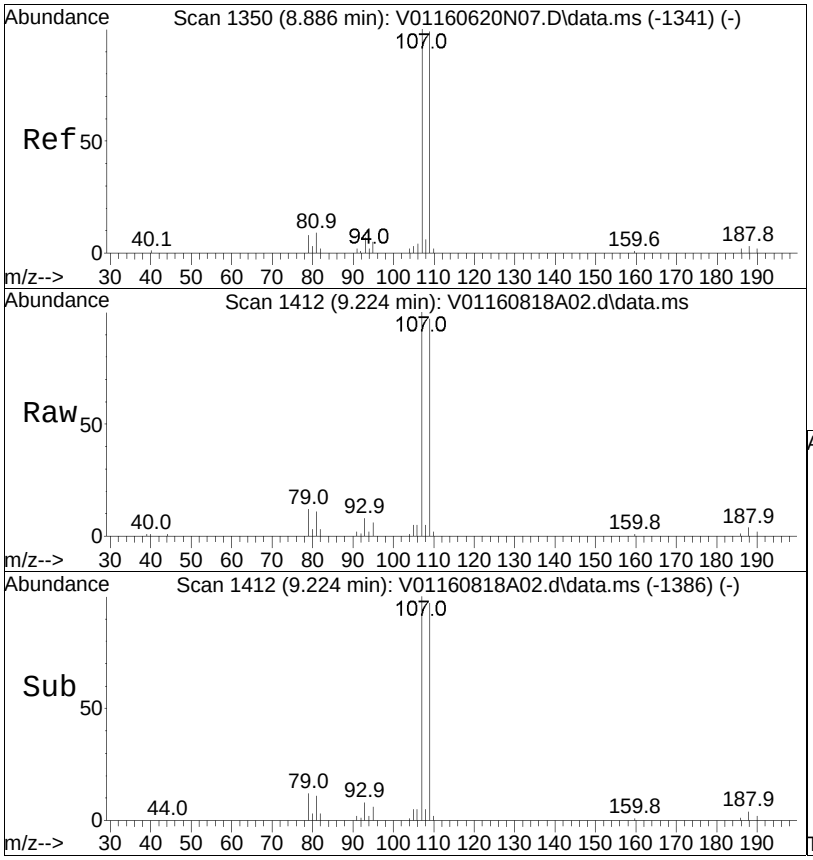


#70
1,3-Dichloropropane
Concen: 8.58 ug/L
RT: 9.044 min Scan# 1379
Delta R.T. 0.000 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 76 Resp: 111626

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.9	38.9

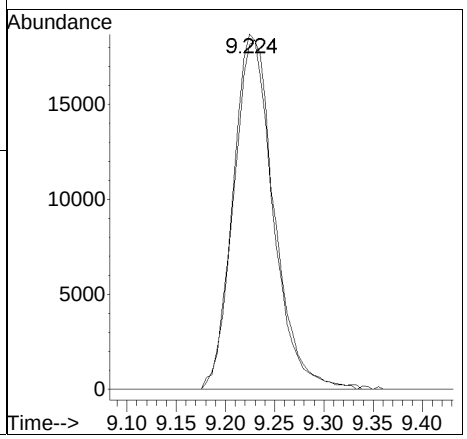


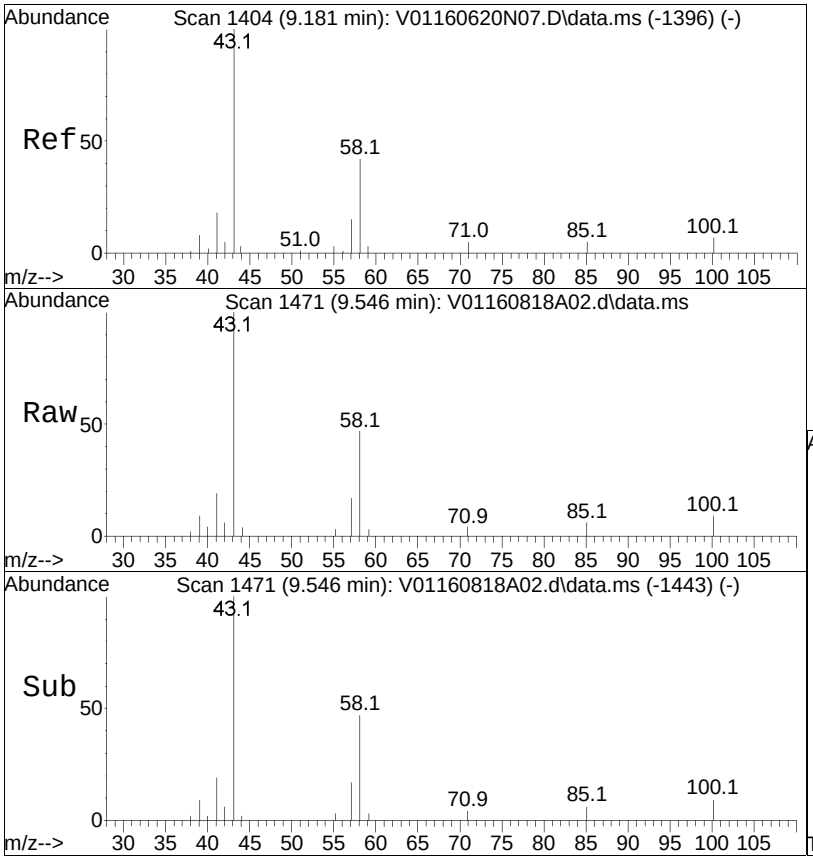


#71
1,2-Dibromoethane
Concen: 8.26 ug/L
RT: 9.224 min Scan# 1412
Delta R.T. -0.006 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:107 Resp: 54575

Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.8	113.6

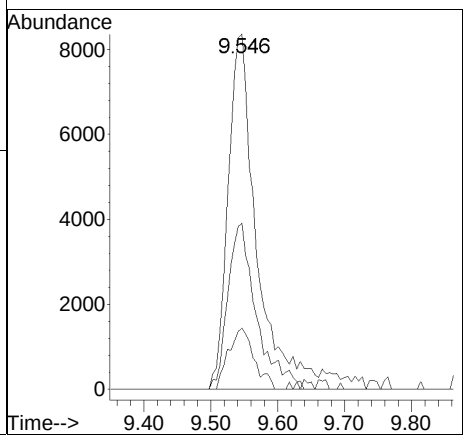


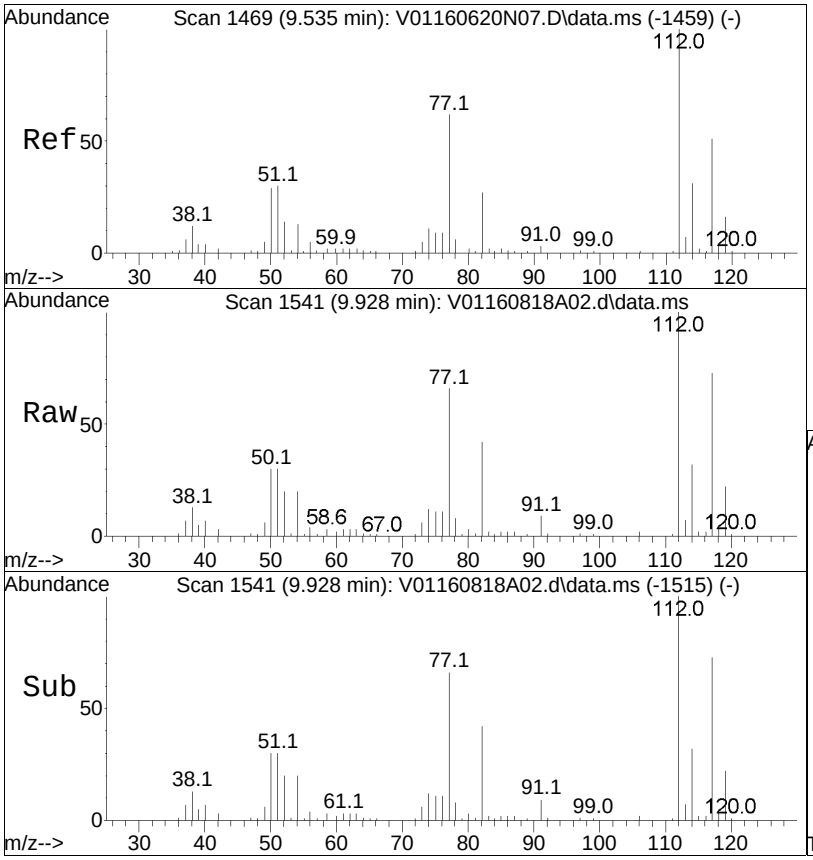


#72
2-Hexanone
Concen: 7.90 ug/L M1
RT: 9.546 min Scan# 1471
Delta R.T. 0.000 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 43 Resp: 25856

Ion	Ratio	Lower	Upper
43	100		
58	44.6	35.1	52.7
57	14.9	11.9	17.9

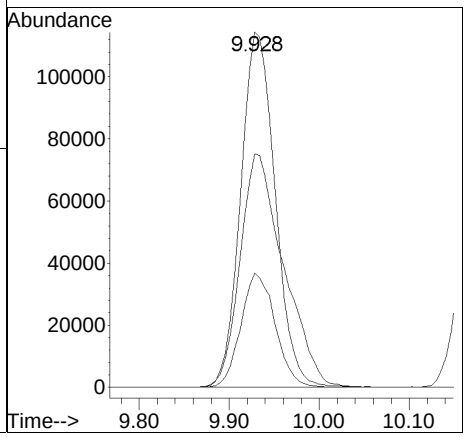


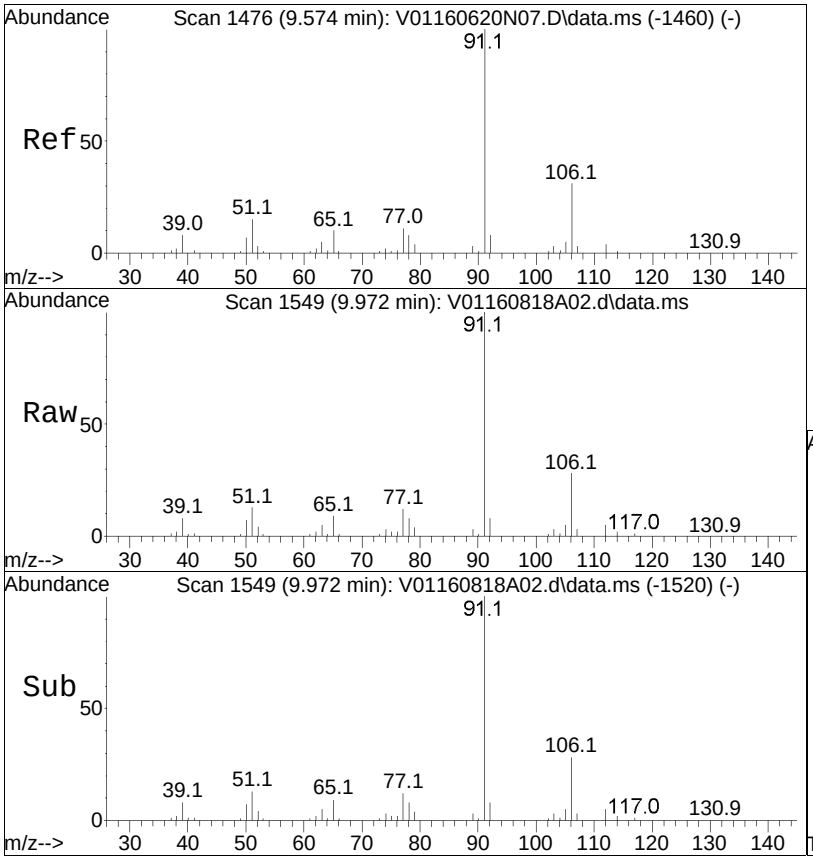


#73
Chlorobenzene
Concen: 9.35 ug/L
RT: 9.928 min Scan# 1541
Delta R.T. -0.006 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:112 Resp: 305295

Ion	Ratio	Lower	Upper
112	100		
77	82.9	60.7	91.1
114	31.9	25.9	38.9

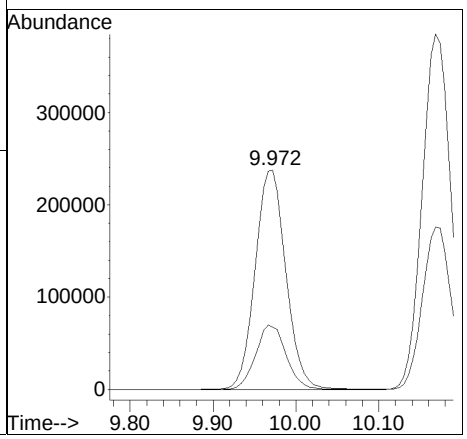


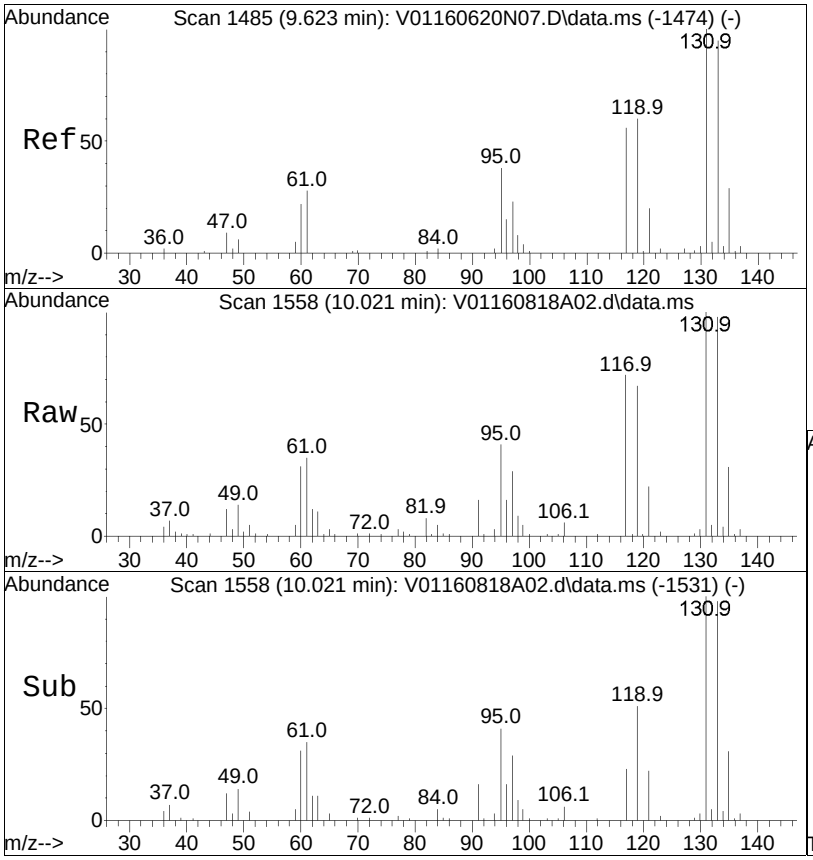


#74
Ethylbenzene
Concen: 9.65 ug/L
RT: 9.972 min Scan# 1549
Delta R.T. 0.006 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 91 Resp: 612237

Ion	Ratio	Lower	Upper
91	100		
106	29.0	24.8	37.2

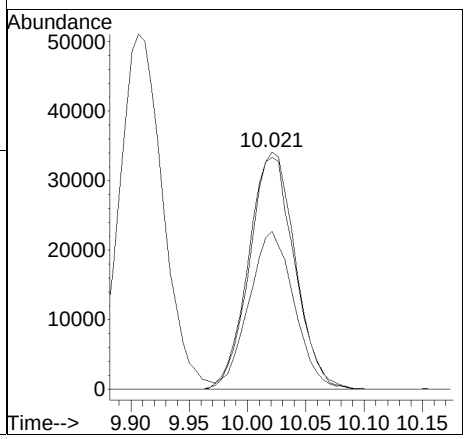


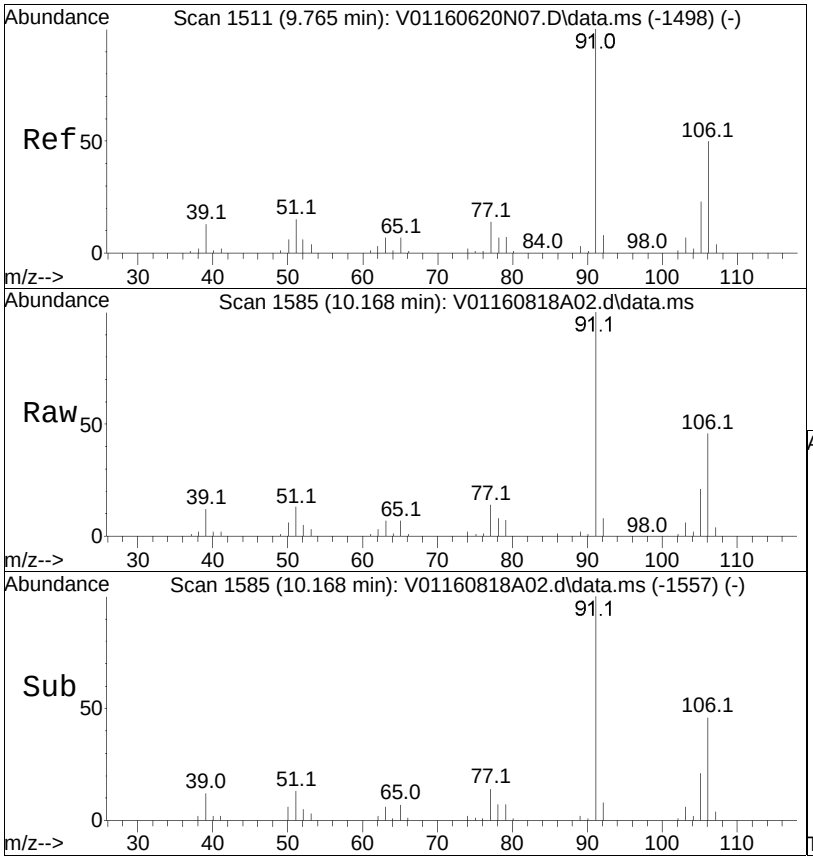


#75
1,1,1,2-Tetrachloroethane
Concen: 8.72 ug/L
RT: 10.021 min Scan# 1558
Delta R.T. 0.000 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:131 Resp: 94852

Ion	Ratio	Lower	Upper
131	100		
133	95.3	74.2	114.2
119	64.6	45.3	85.3

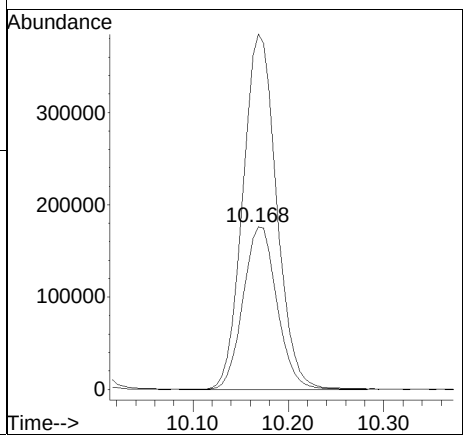


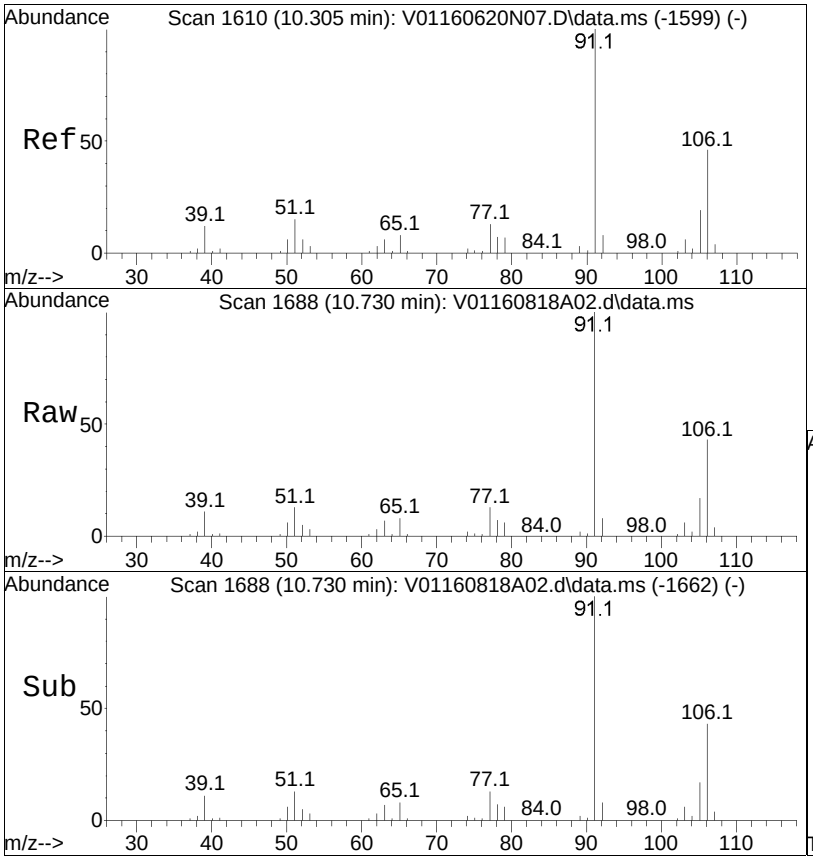


#76
p/m Xylene
Concen: 18.48 ug/L
RT: 10.168 min Scan# 1585
Delta R.T. 0.000 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:106 Resp: 434673

Ion	Ratio	Lower	Upper
106	100		
91	216.7	162.6	243.8

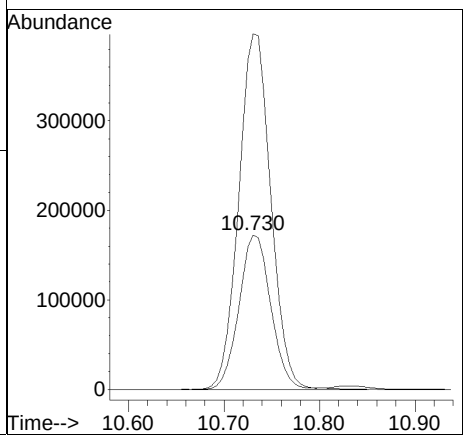


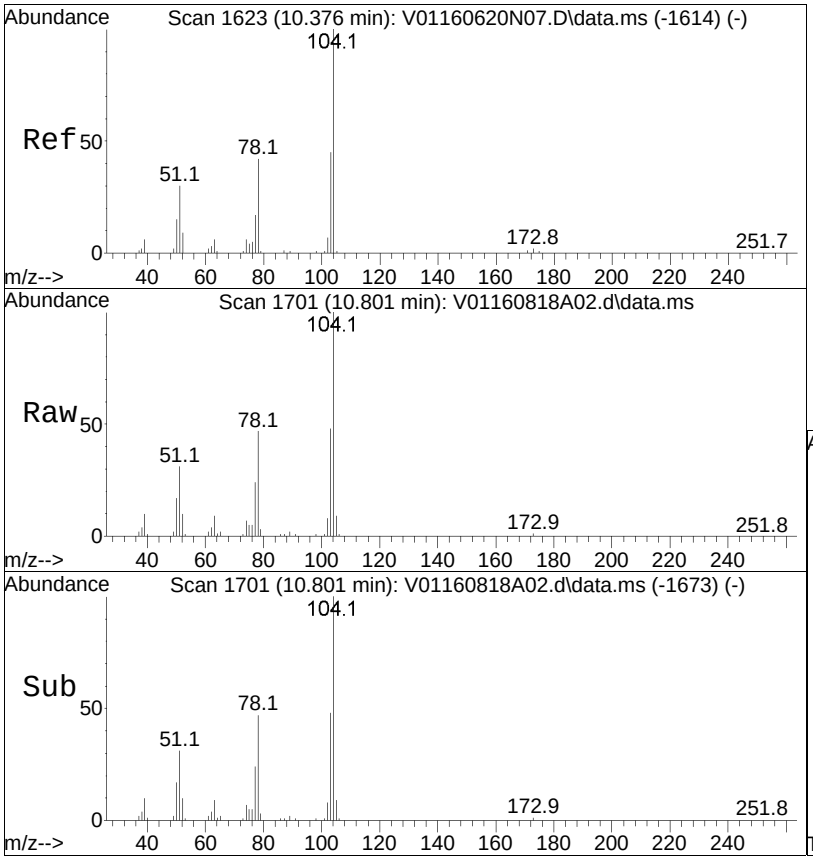


#77
o Xylene
Concen: 17.97 ug/L
RT: 10.730 min Scan# 1688
Delta R.T. -0.006 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:106 Resp: 400823

Ion	Ratio	Lower	Upper
106	100		
91	230.7	169.8	254.6

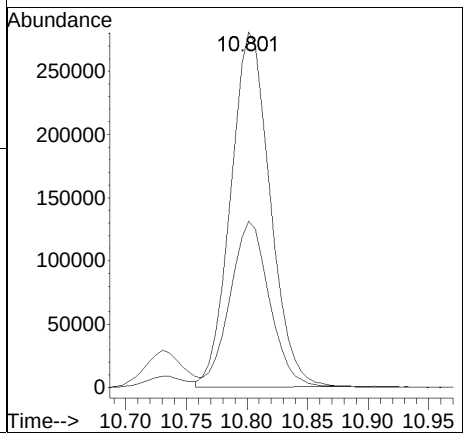


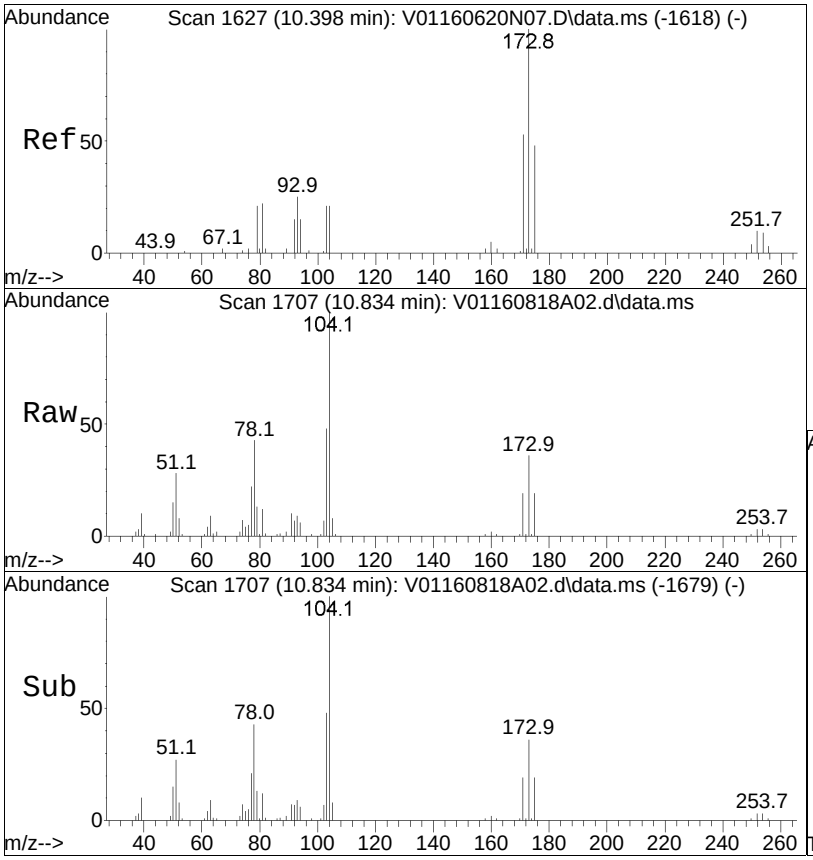


#78
Styrene
Concen: 17.16 ug/L
RT: 10.801 min Scan# 1701
Delta R.T. 0.000 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:104 Resp: 634913

Ion	Ratio	Lower	Upper
104	100		
78	46.7	34.8	52.2

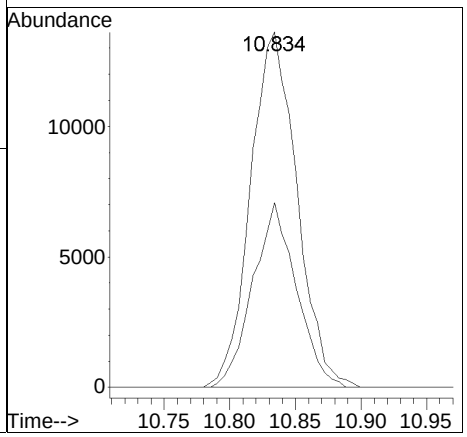


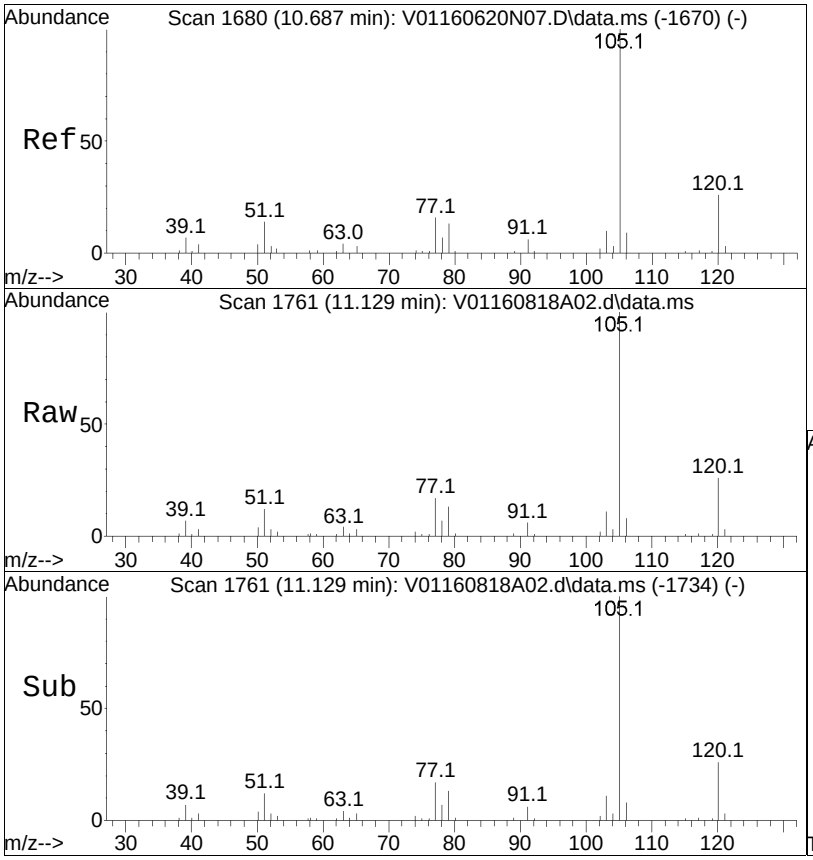


#80
Bromoform
Concen: 8.32 ug/L
RT: 10.834 min Scan# 1707
Delta R.T. 0.005 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:173 Resp: 33591

Ion	Ratio	Lower	Upper
173	100		
175	48.6	28.6	68.6

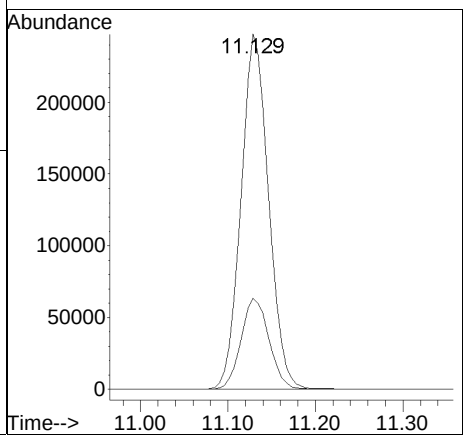


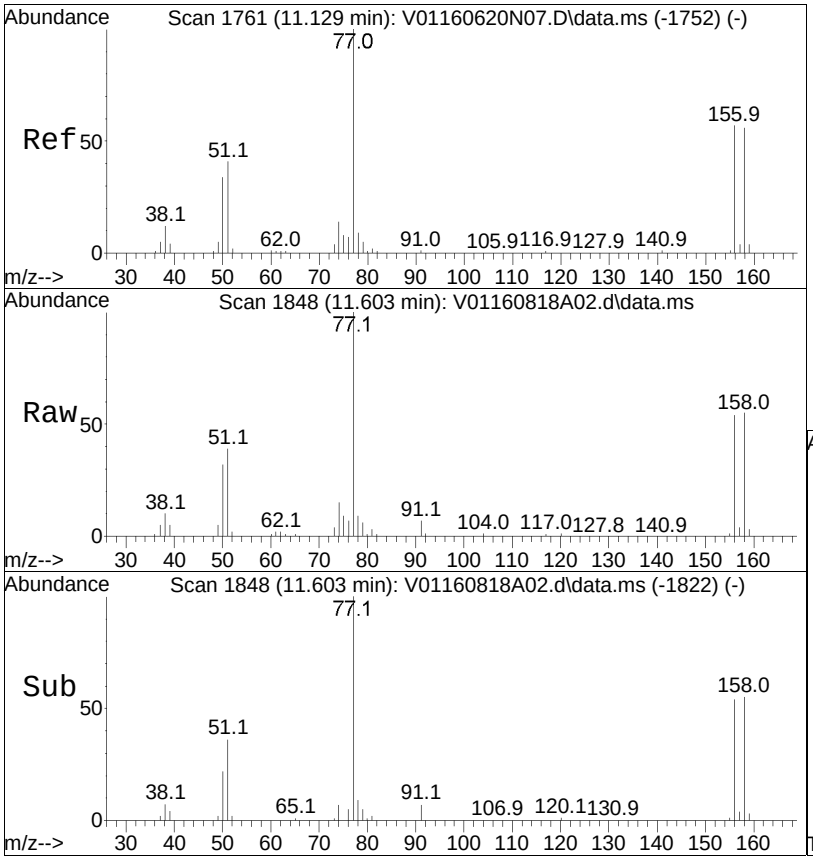


#82
Isopropylbenzene
Concen: 10.31 ug/L
RT: 11.129 min Scan# 1761
Delta R.T. -0.005 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:105 Resp: 541519

Ion	Ratio	Lower	Upper
105	100		
120	26.1	6.4	46.4

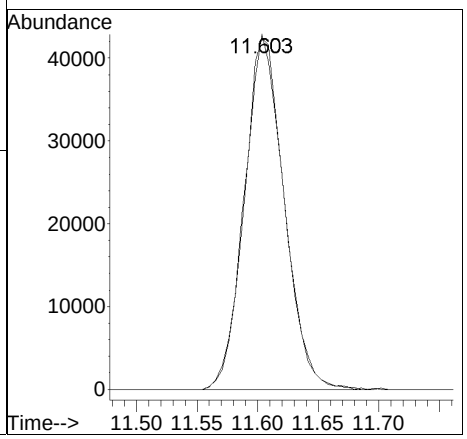


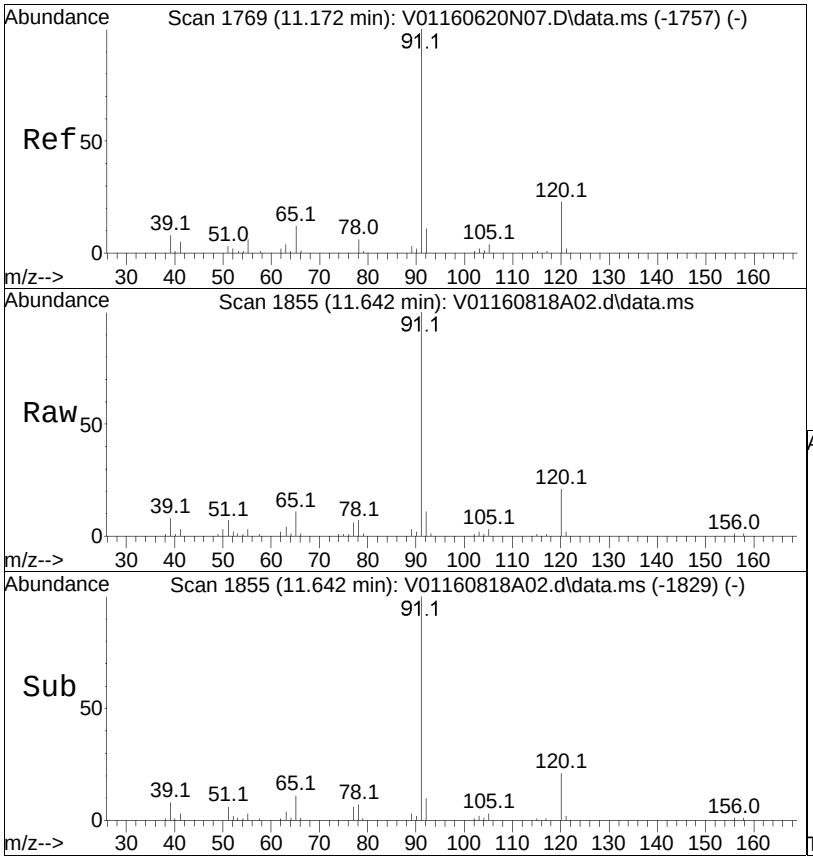


#84
Bromobenzene
Concen: 9.69 ug/L
RT: 11.603 min Scan# 1848
Delta R.T. -0.006 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:156 Resp: 98338

Ion	Ratio	Lower	Upper
156	100		
158	97.9	77.4	116.2

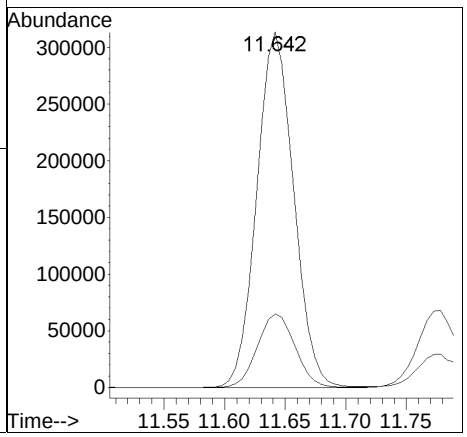


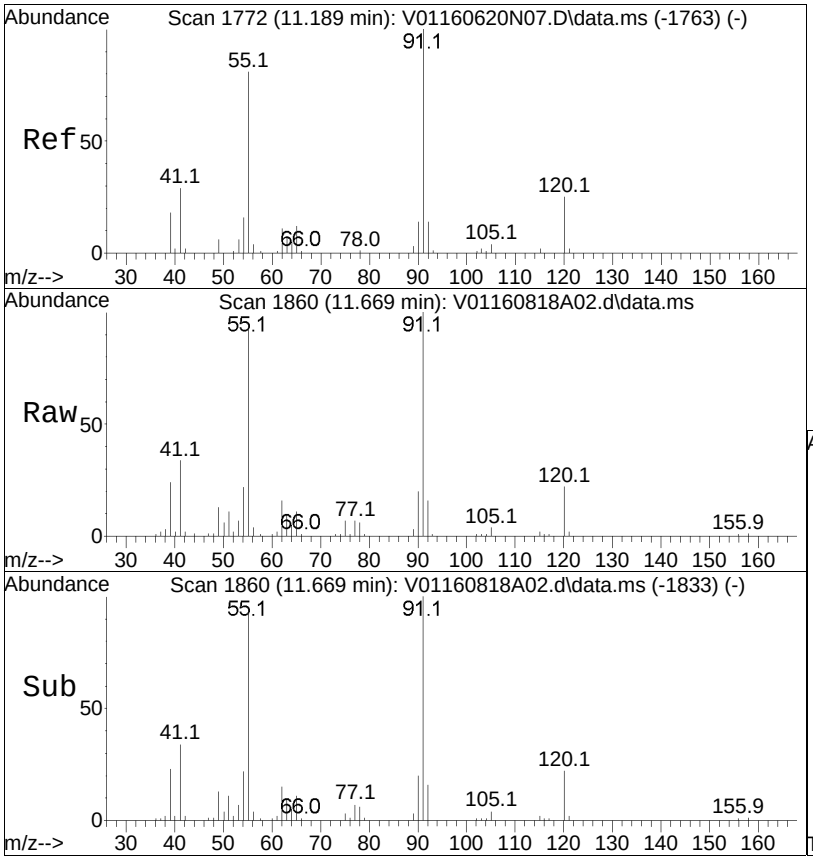


#85
n-Propylbenzene
Concen: 10.32 ug/L
RT: 11.642 min Scan# 1855
Delta R.T. -0.005 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 91 Resp: 663811

Ion	Ratio	Lower	Upper
91	100		
120	21.1	18.6	28.0

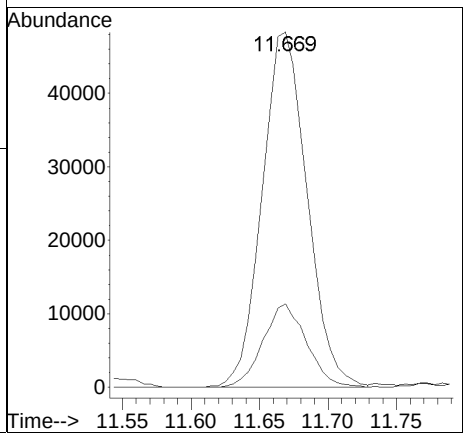


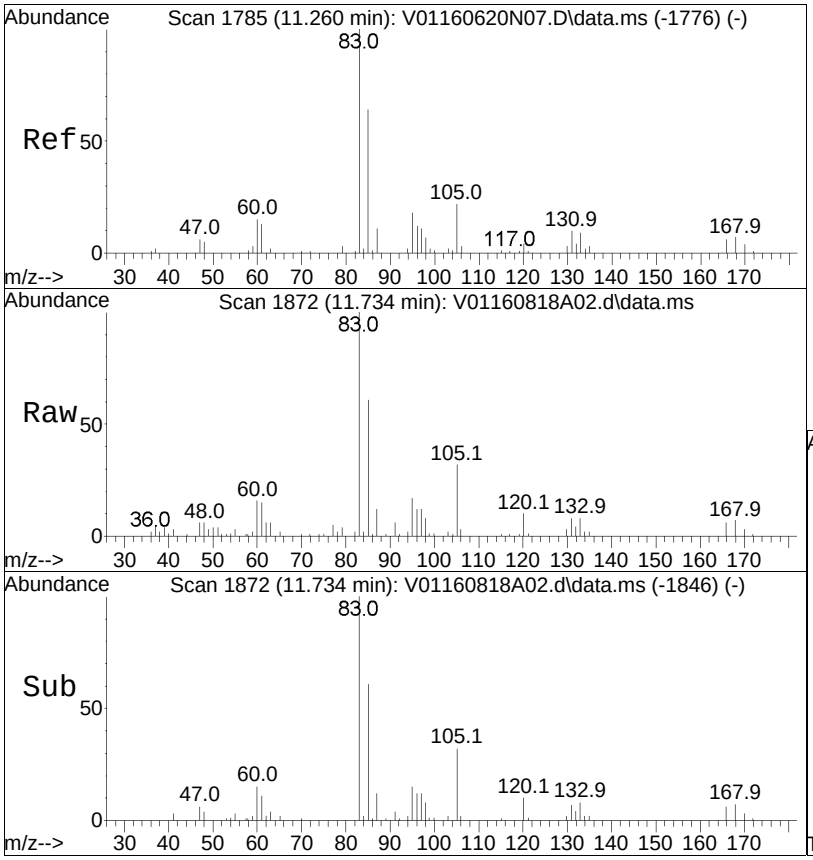


#86
1,4-Dichlorobutane
Concen: 9.02 ug/L
RT: 11.669 min Scan# 1860
Delta R.T. -0.000 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 55 Resp: 110506

Ion	Ratio	Lower	Upper
55	100		
54	22.8	17.6	26.4

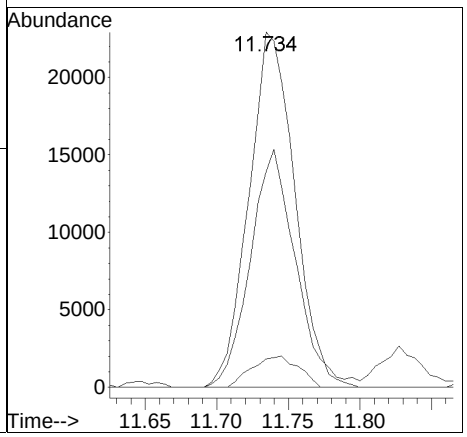


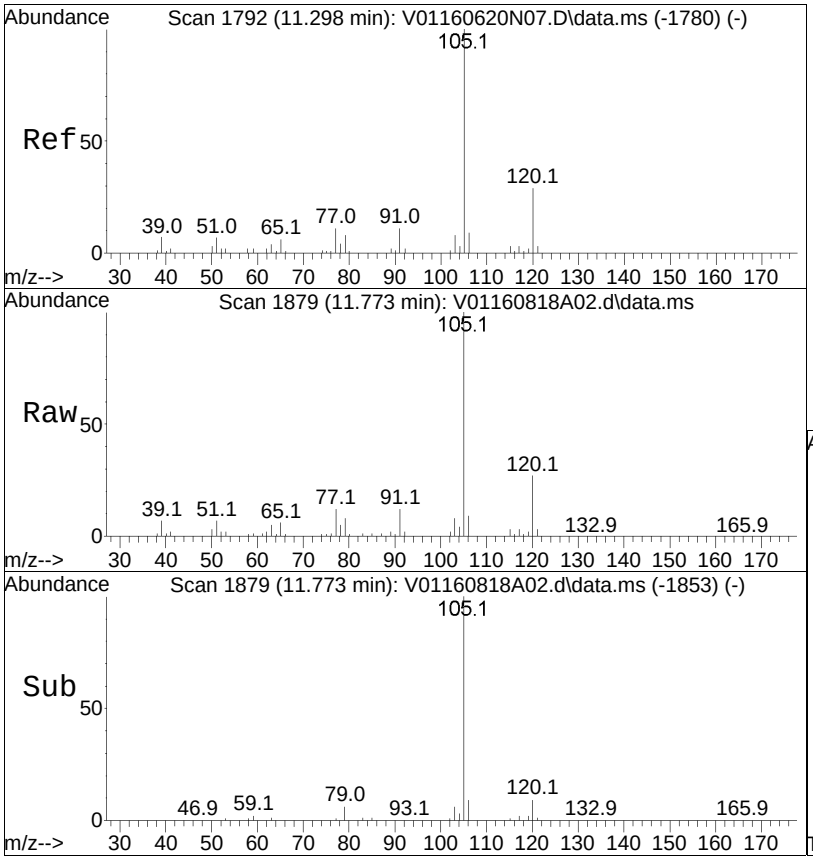


#87
1,1,2,2-Tetrachloroethane
Concen: 8.39 ug/L
RT: 11.734 min Scan# 1872
Delta R.T. -0.006 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 83 Resp: 51068

Ion	Ratio	Lower	Upper
83	100		
131	9.0	0.0	30.2
85	66.0	45.4	85.4

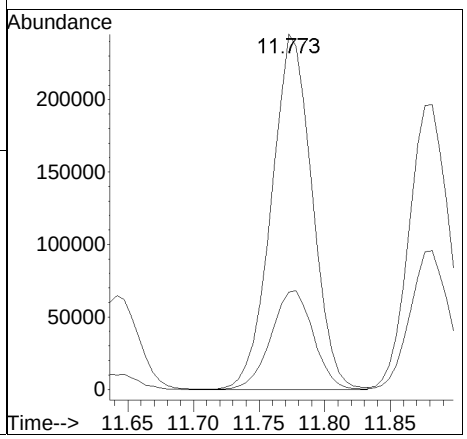


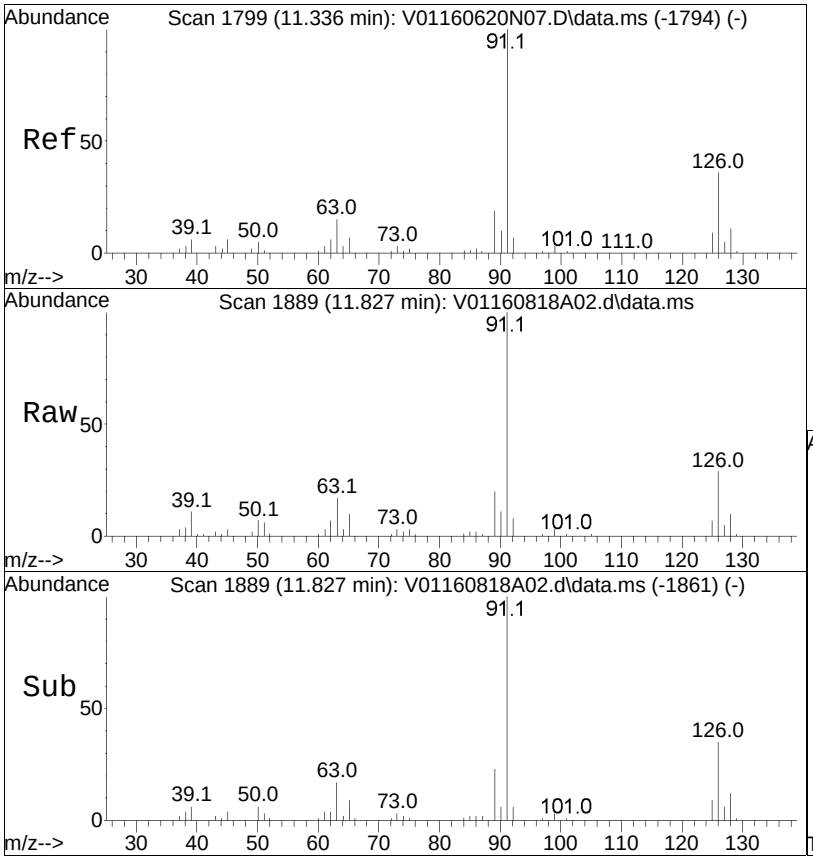


#88
4-Ethyltoluene
Concen: 10.34 ug/L
RT: 11.773 min Scan# 1879
Delta R.T. -0.005 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:105 Resp: 528488

Ion	Ratio	Lower	Upper
105	100		
120	28.6	19.0	39.6

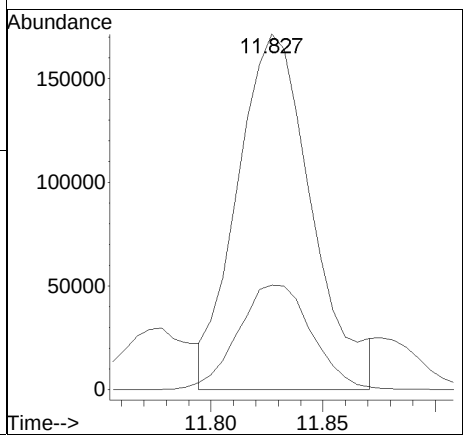


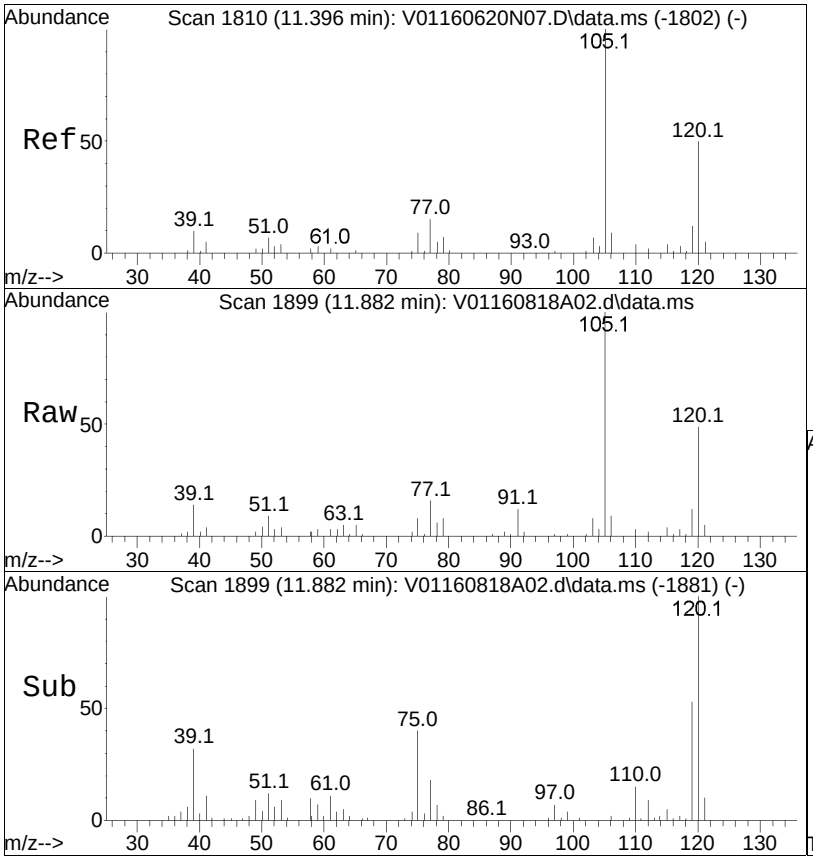


#89
2-Chlorotoluene
Concen: 10.41 ug/L M1
RT: 11.827 min Scan# 1889
Delta R.T. 0.000 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 91 Resp: 395123

Ion	Ratio	Lower	Upper
91	100		
126	29.1	27.2	40.8

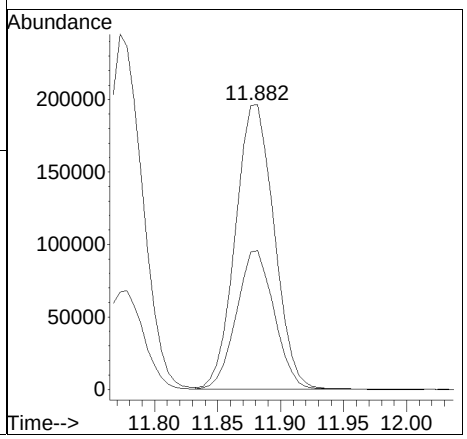


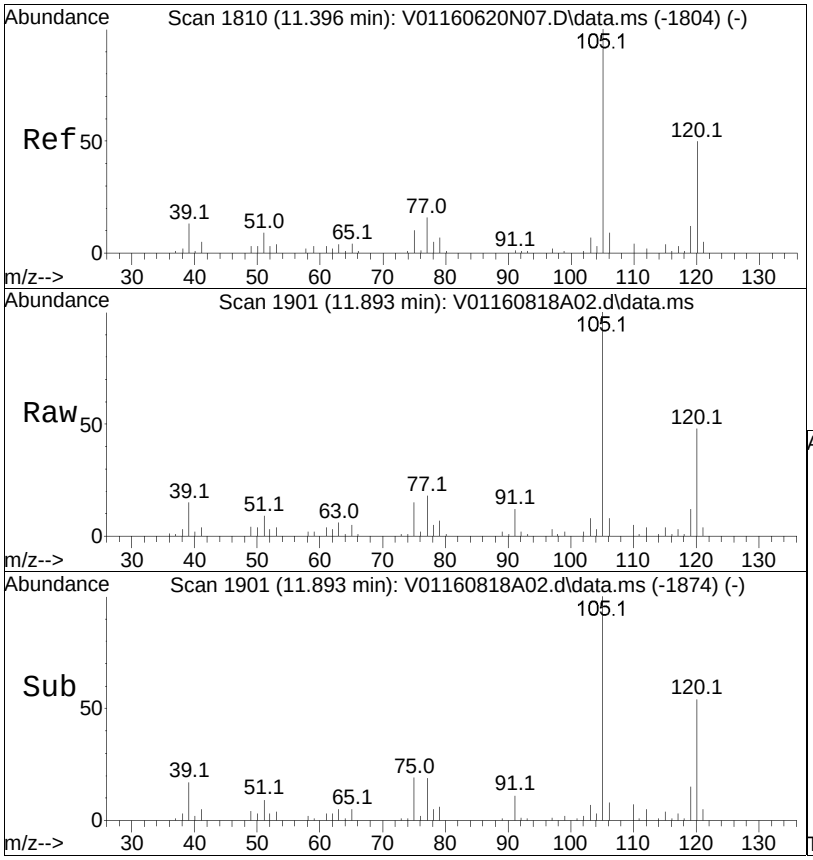


#90
1,3,5-Trimethylbenzene
Concen: 9.97 ug/L
RT: 11.882 min Scan# 1899
Delta R.T. -0.000 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:105 Resp: 419882

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.4	35.2#

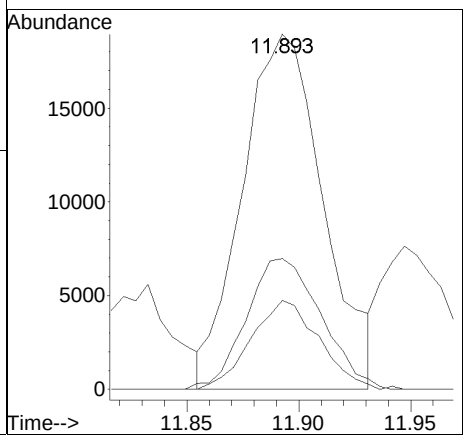


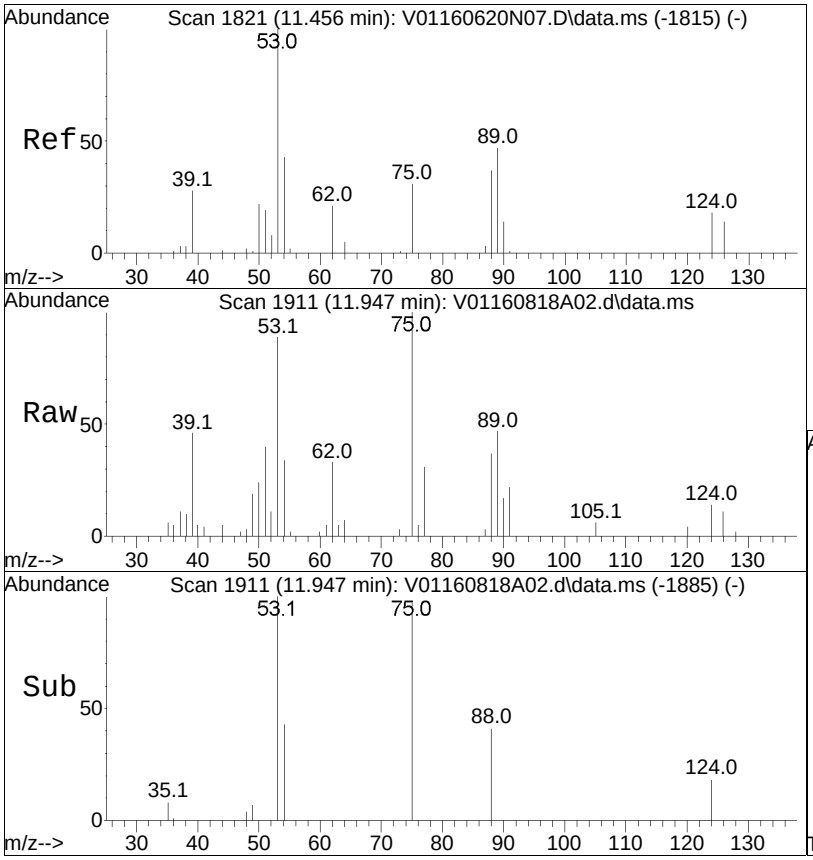


#91
1,2,3-Trichloropropane
Concen: 8.66 ug/L M1
RT: 11.893 min Scan# 1901
Delta R.T. -0.000 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 75 Resp: 47728

Ion	Ratio	Lower	Upper
75	100		
110	34.0	23.1	48.1
112	21.1	15.4	32.0

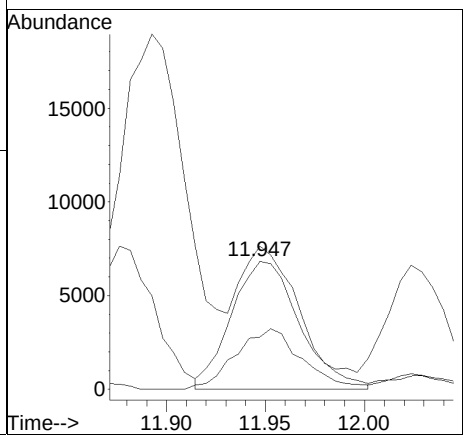


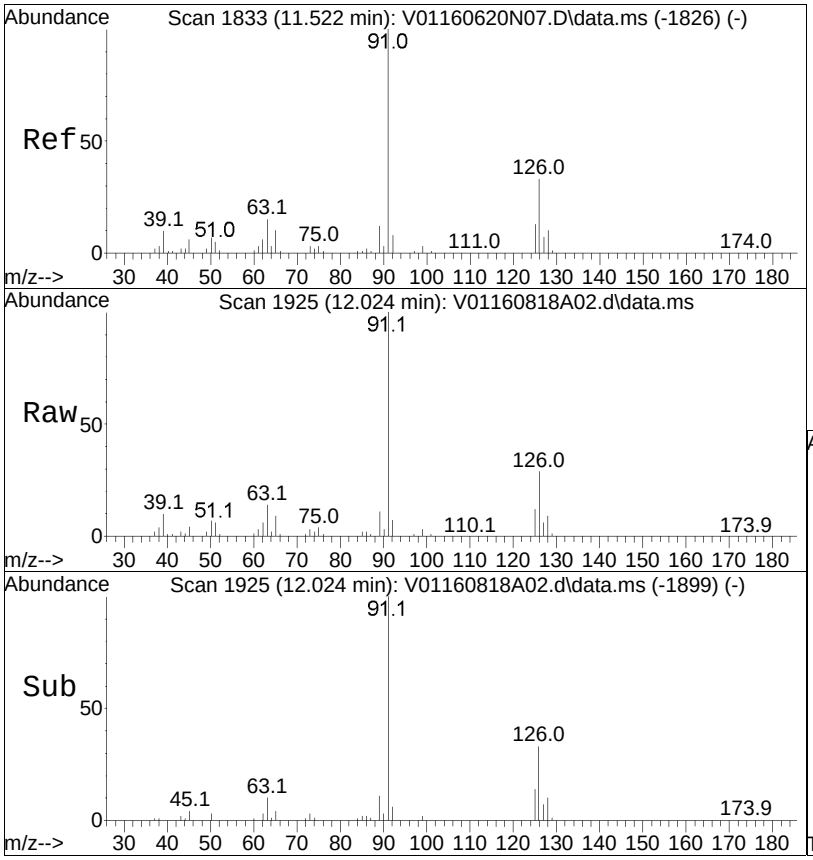


#92
trans-1,4-Dichloro-2-butene
Concen: 8.32 ug/L M1
RT: 11.947 min Scan# 1911
Delta R.T. -0.006 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 53 Resp: 16450

Ion	Ratio	Lower	Upper
53	100		
88	46.1	30.2	45.4#
75	79.1	74.6	111.8

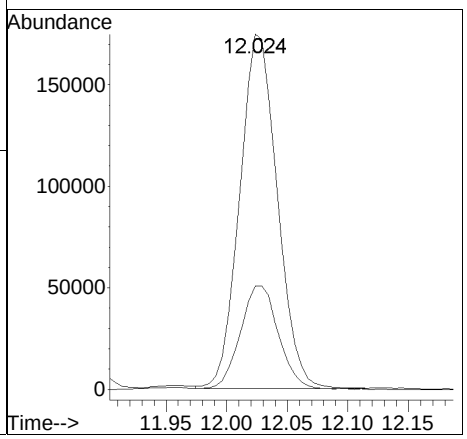


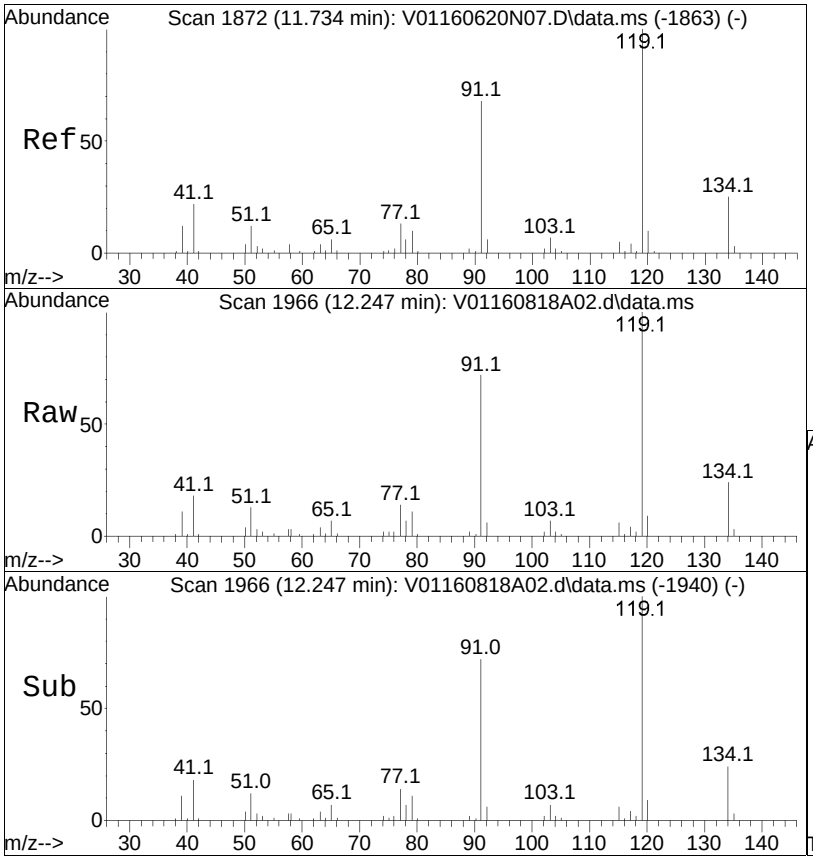


#93
4-Chlorotoluene
Concen: 10.26 ug/L
RT: 12.024 min Scan# 1925
Delta R.T. -0.005 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 91 Resp: 376380

Ion	Ratio	Lower	Upper
91	100		
126	29.9	0.0	0.0#

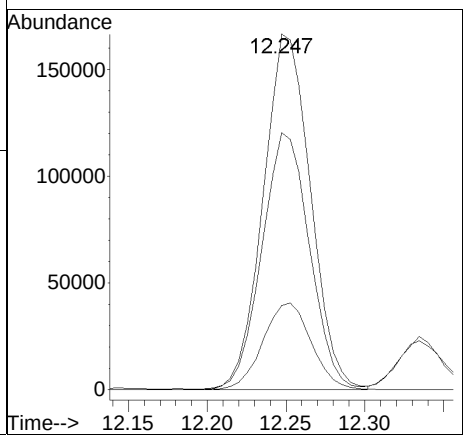


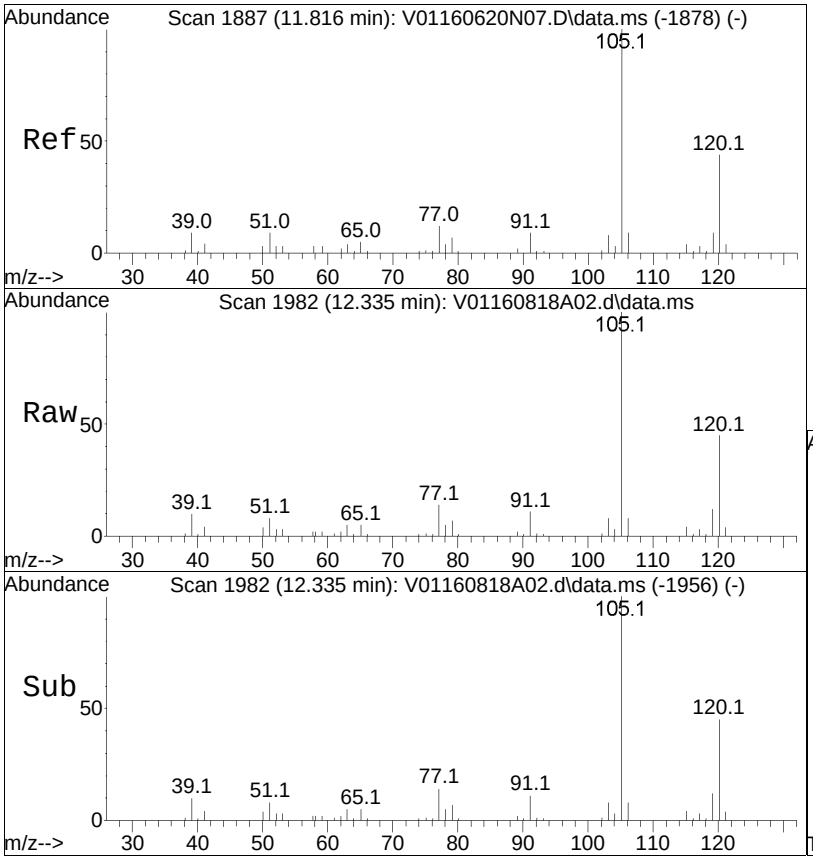


#94
tert-Butylbenzene
Concen: 10.02 ug/L
RT: 12.247 min Scan# 1966
Delta R.T. -0.006 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:119 Resp: 347610

Ion	Ratio	Lower	Upper
119	100		
91	72.5	54.2	81.2
134	24.7	19.7	29.5

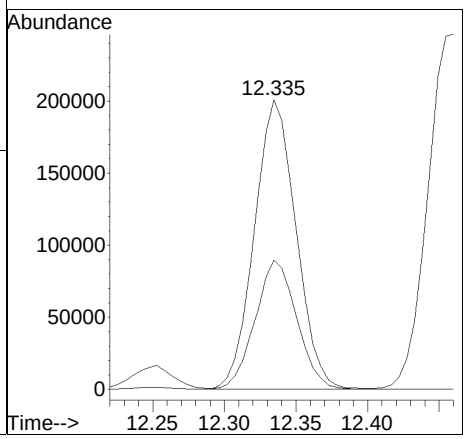


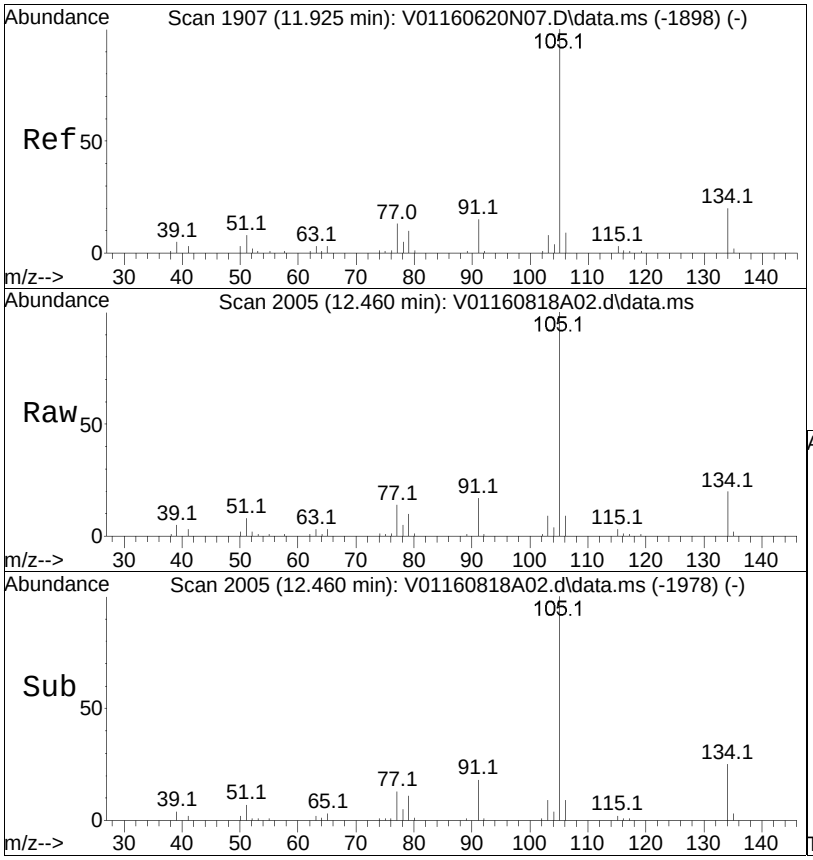


#97
1,2,4-Trimethylbenzene
Concen: 10.01 ug/L
RT: 12.335 min Scan# 1982
Delta R.T. -0.005 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:105 Resp: 405544

Ion	Ratio	Lower	Upper
105	100		
120	44.5	36.5	54.7

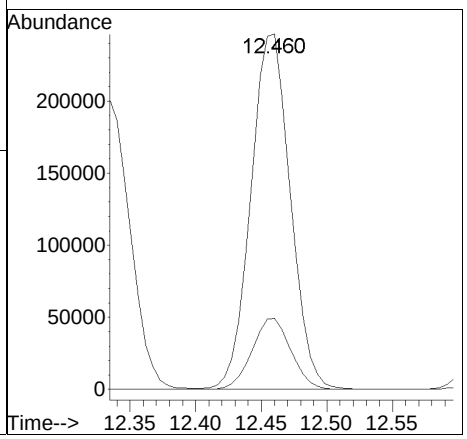


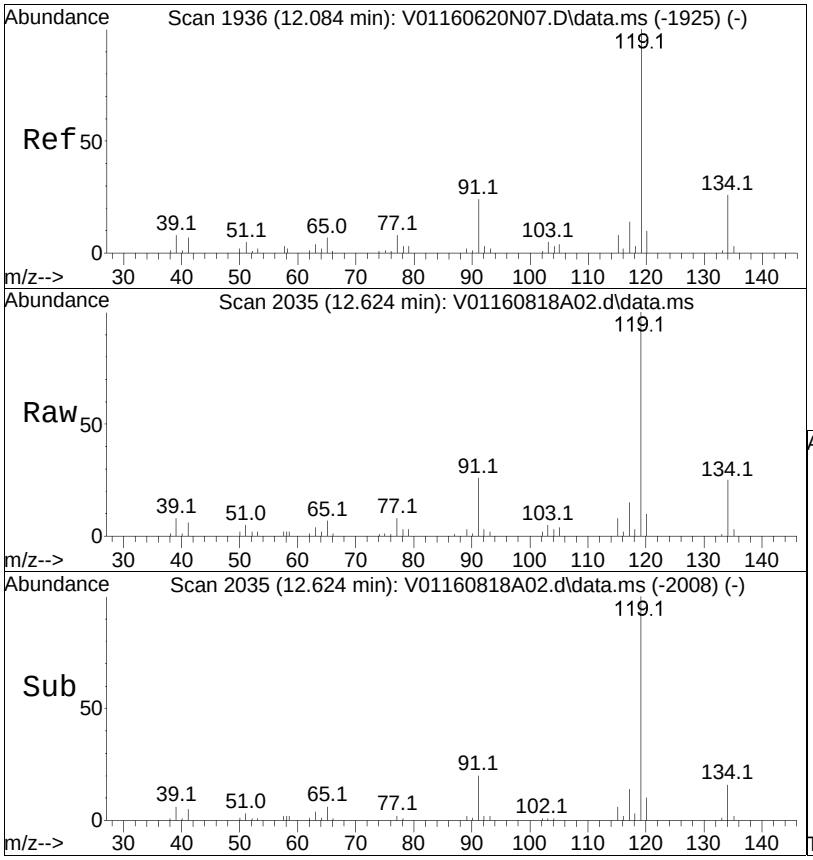


#98
sec-Butylbenzene
Concen: 9.99 ug/L
RT: 12.460 min Scan# 2005
Delta R.T. 0.000 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:105 Resp: 513302

Ion	Ratio	Lower	Upper
105	100		
134	19.8	12.9	26.9

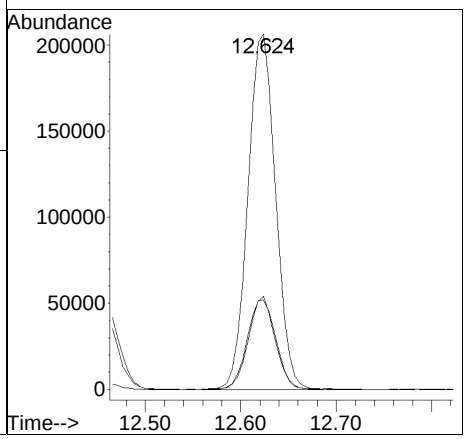


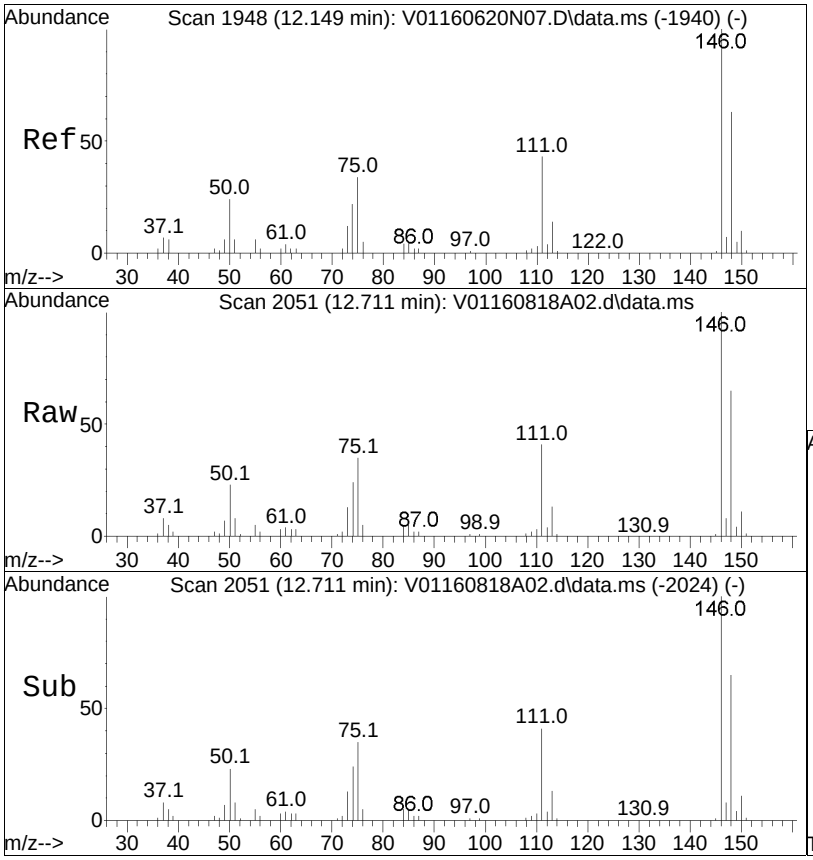


#99
p-Isopropyltoluene
Concen: 10.03 ug/L
RT: 12.624 min Scan# 2035
Delta R.T. -0.000 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:119 Resp: 415851

Ion	Ratio	Lower	Upper
119	100		
134	25.4	16.6	34.6
91	25.8	15.1	31.5

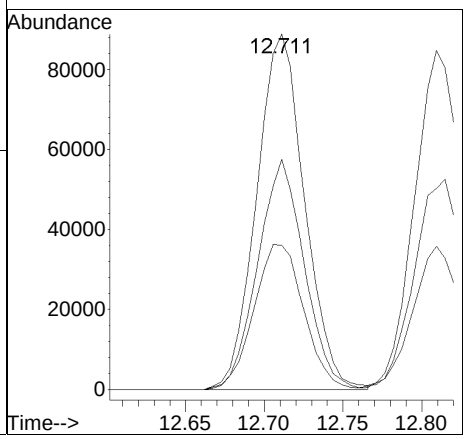


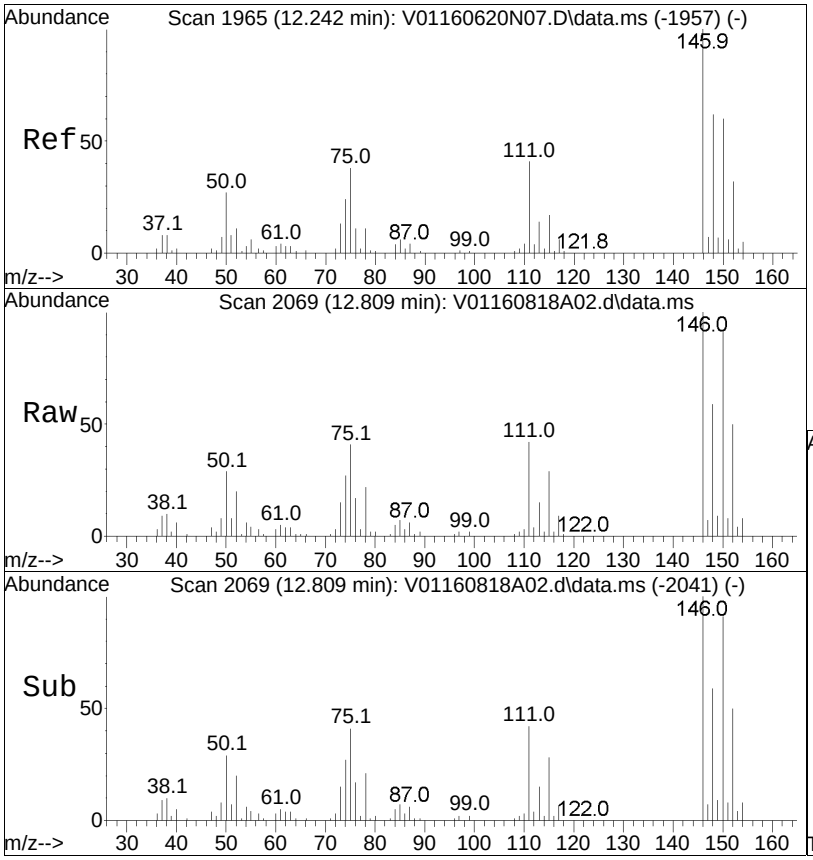


#100
1,3-Dichlorobenzene
Concen: 9.54 ug/L
RT: 12.711 min Scan# 2051
Delta R.T. 0.000 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:146 Resp: 188132

Ion	Ratio	Lower	Upper
146	100		
111	42.4	28.0	58.1
148	62.7	41.2	85.6

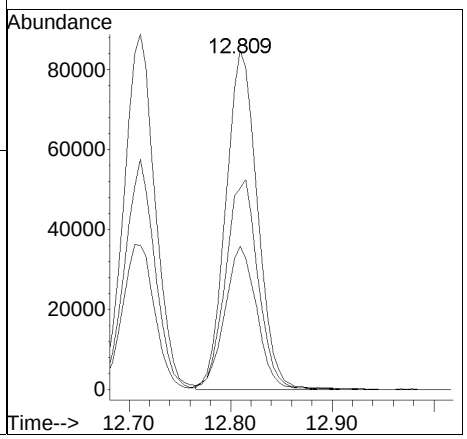


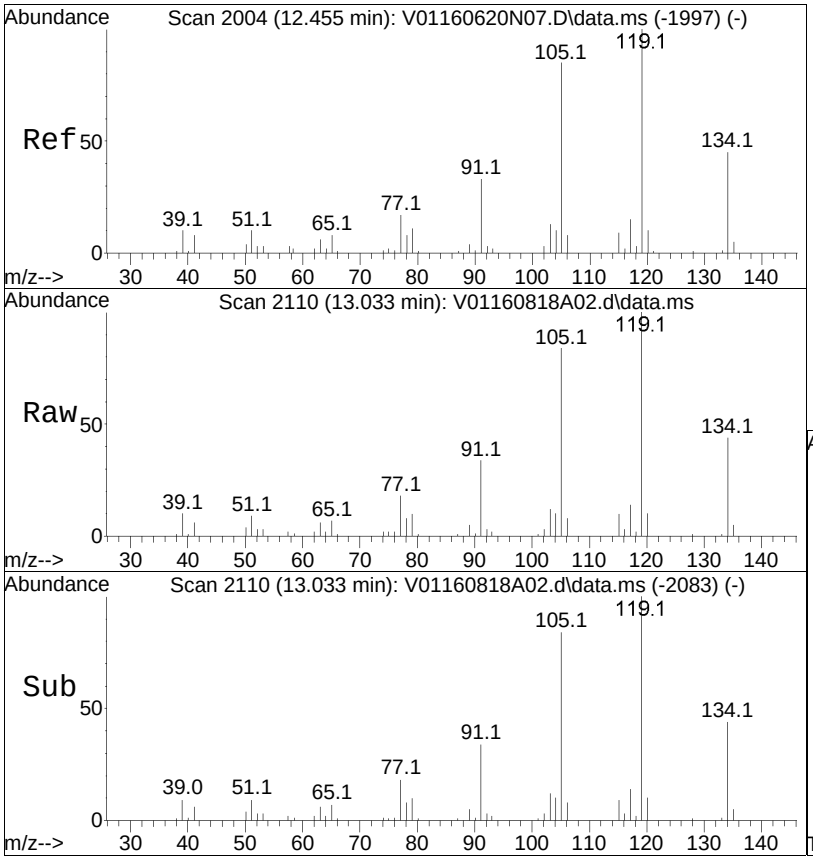


#101
1,4-Dichlorobenzene
Concen: 9.40 ug/L
RT: 12.809 min Scan# 2069
Delta R.T. 0.000 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:146 Resp: 183792

Ion	Ratio	Lower	Upper
146	100		
111	42.5	34.1	51.1
148	62.5	50.8	76.2

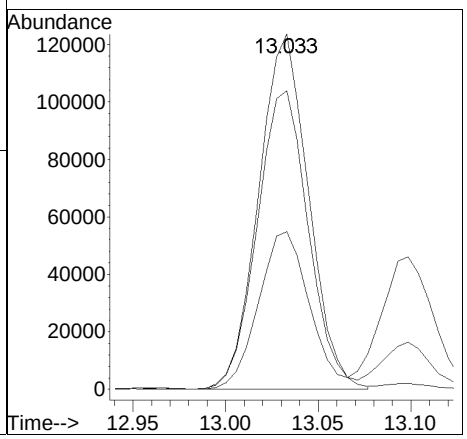


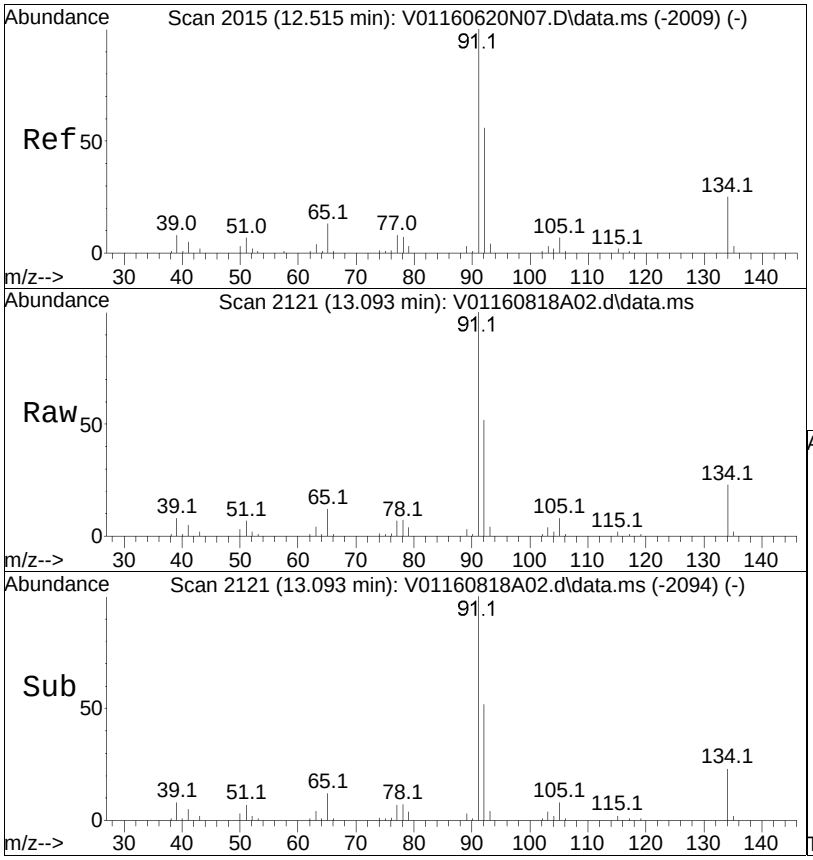


#102
p-Diethylbenzene
Concen: 9.88 ug/L
RT: 13.033 min Scan# 2110
Delta R.T. -0.000 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:119 Resp: 230987

Ion	Ratio	Lower	Upper
119	100		
105	86.6	55.0	114.2
134	45.4	29.2	60.6

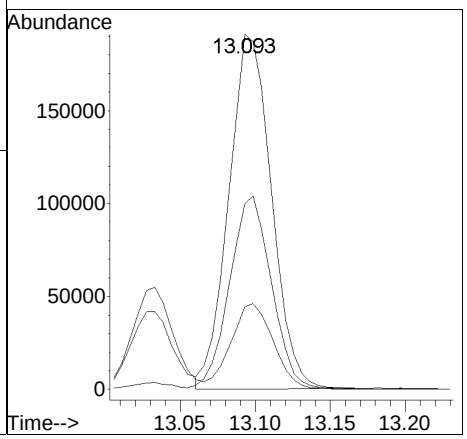


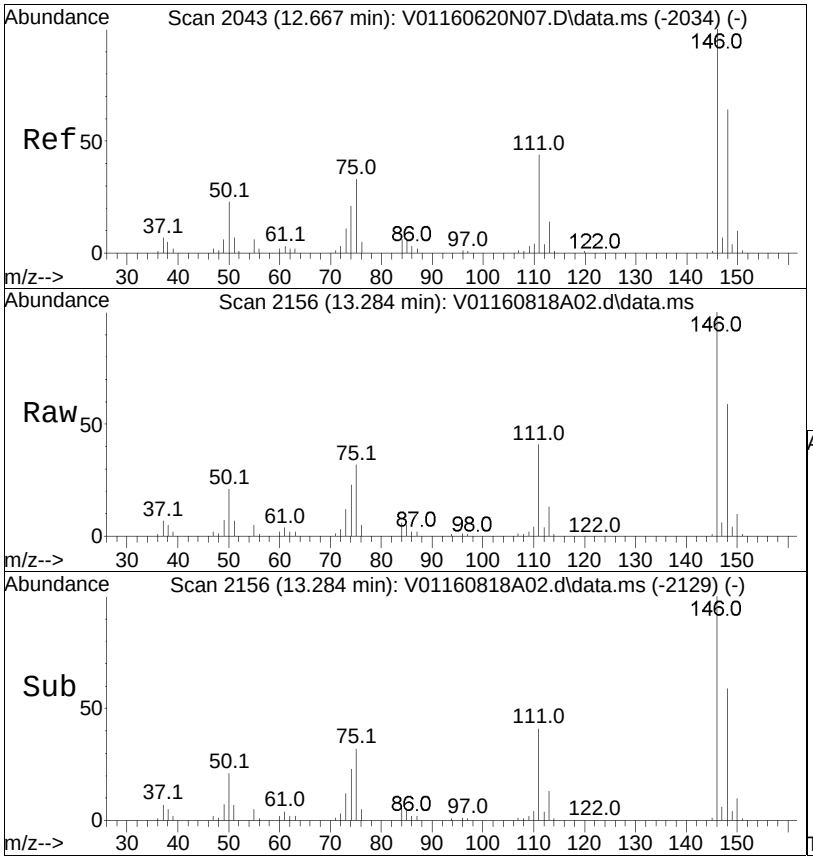


#103
n-Butylbenzene
Concen: 10.19 ug/L
RT: 13.093 min Scan# 2121
Delta R.T. -0.005 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion: 91 Resp: 376987

Ion	Ratio	Lower	Upper
91	100		
92	53.8	44.4	66.6
134	23.8	21.2	31.8

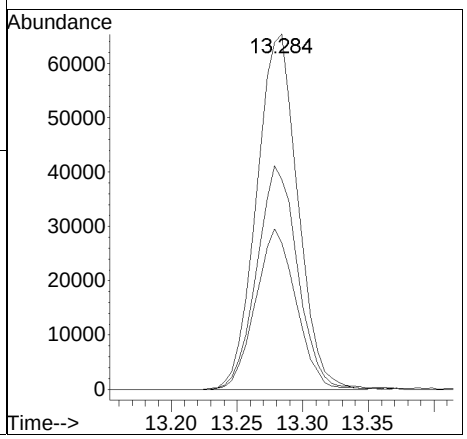


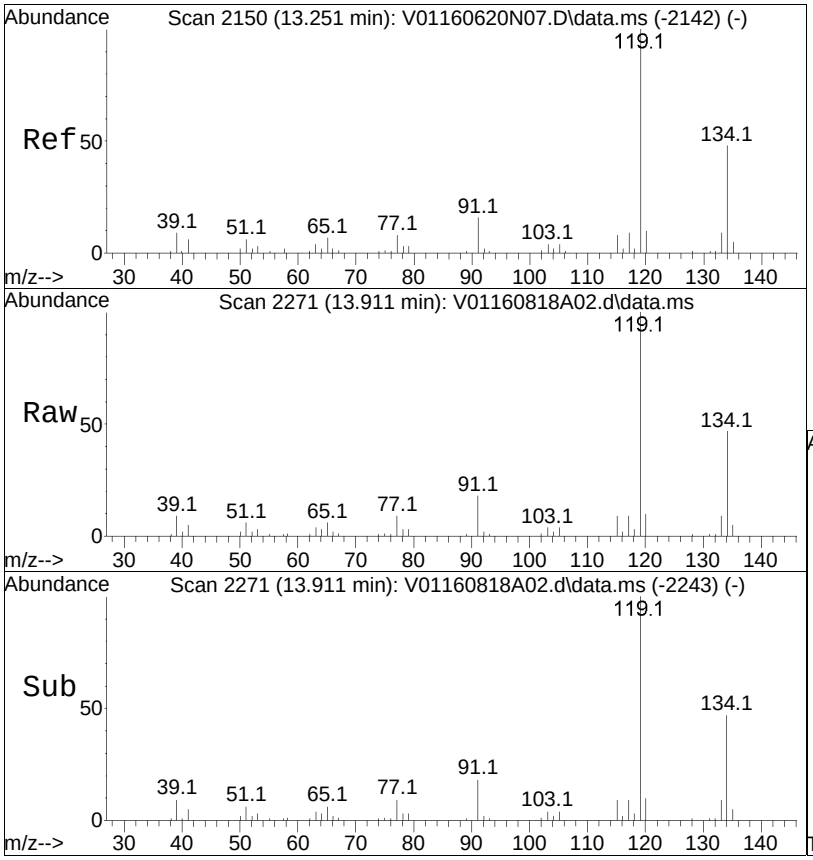


#104
1,2-Dichlorobenzene
Concen: 8.96 ug/L
RT: 13.284 min Scan# 2156
Delta R.T. -0.000 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:146 Resp: 142904

Ion	Ratio	Lower	Upper
146	100		
111	44.5	28.7	59.5
148	62.3	41.1	85.5

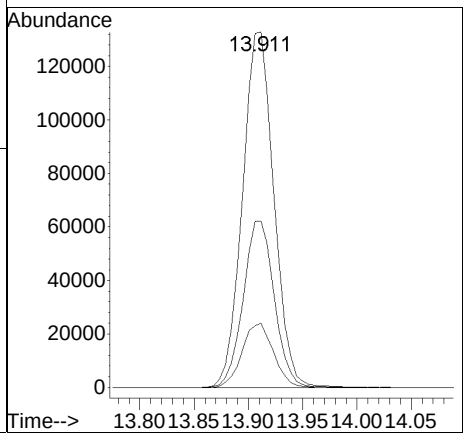


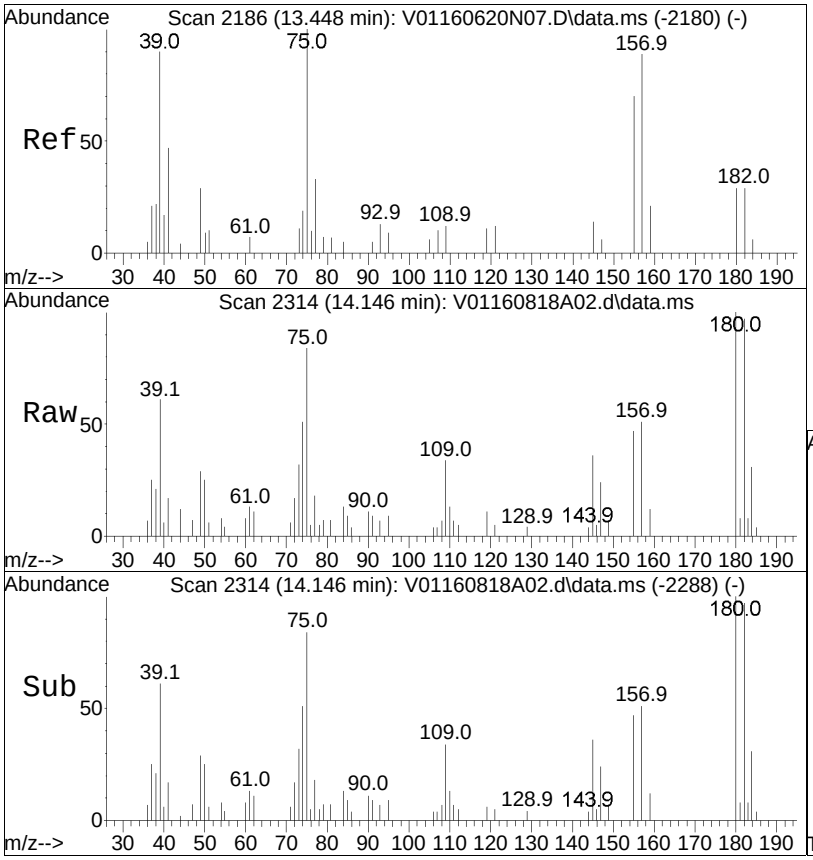


#105
1,2,4,5-Tetramethylbenzene
Concen: 9.17 ug/L
RT: 13.911 min Scan# 2271
Delta R.T. 0.000 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:119 Resp: 266386

Ion	Ratio	Lower	Upper
119	100		
134	46.4	29.9	62.1
91	18.0	10.4	21.6

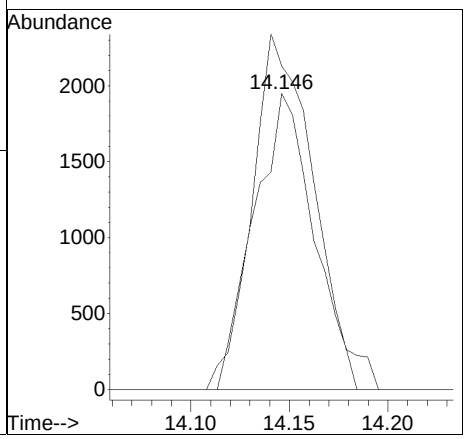


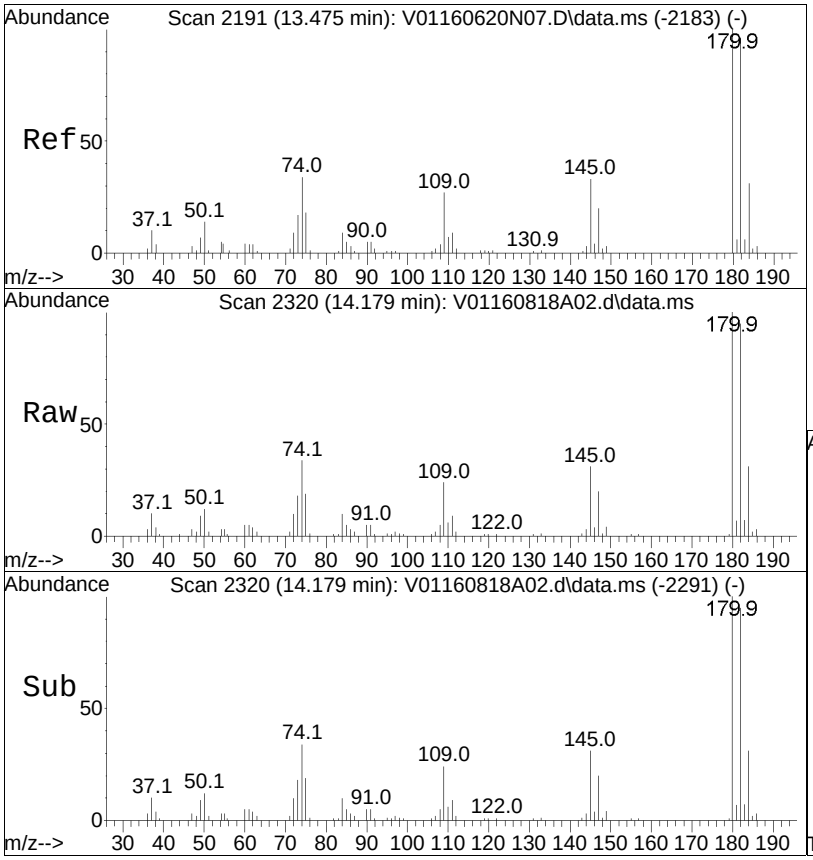


#106
1,2-Dibromo-3-chloropropane
Concen: 7.48 ug/L
RT: 14.146 min Scan# 2314
Delta R.T. -0.006 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:155 Resp: 4116

Ion	Ratio	Lower	Upper
155	100		
157	124.3	101.8	152.6

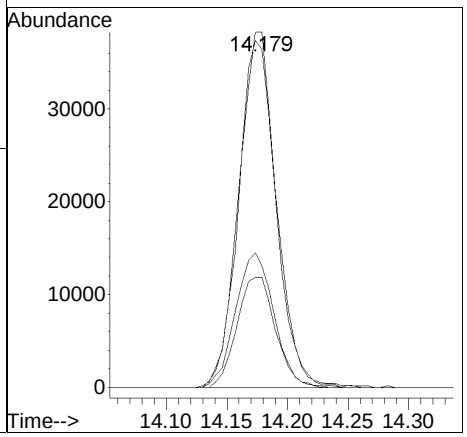


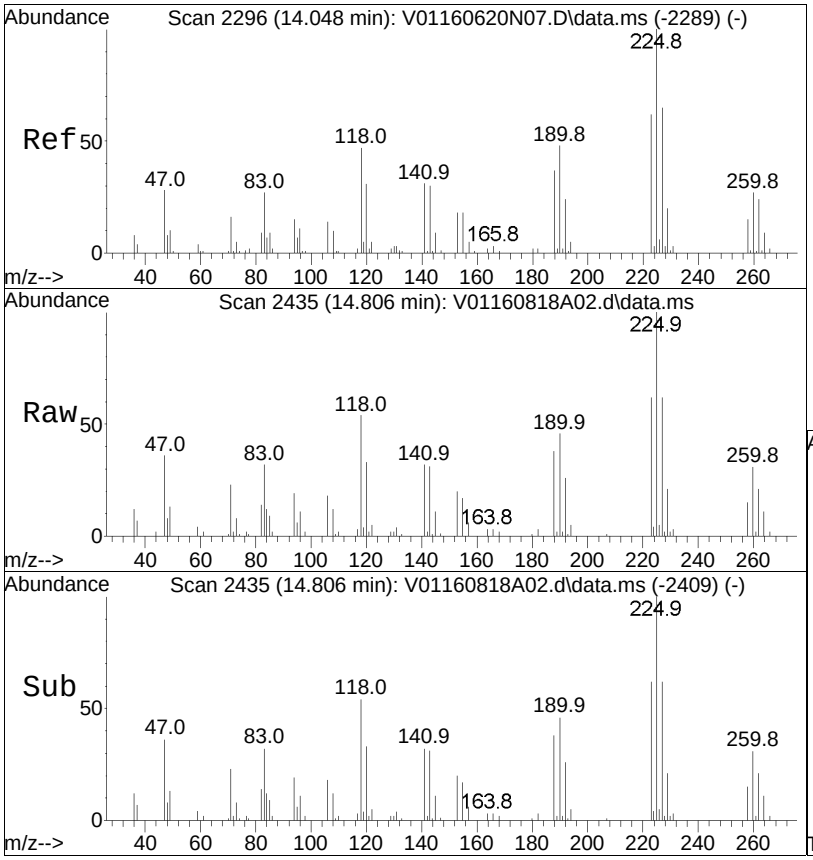


#107
1,3,5-Trichlorobenzene
Concen: 8.97 ug/L
RT: 14.179 min Scan# 2320
Delta R.T. 0.006 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:180 Resp: 82696

Ion	Ratio	Lower	Upper
180	100		
182	97.1	61.7	128.1
145	31.8	20.2	41.9
74	38.5	21.3	44.1

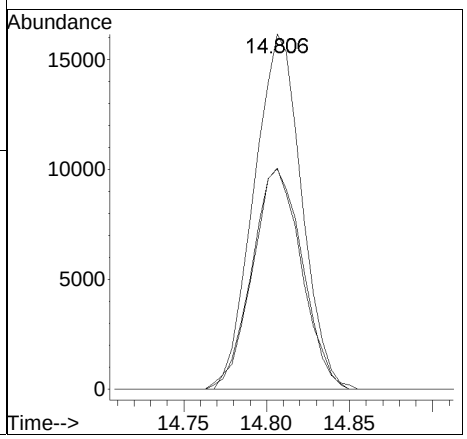


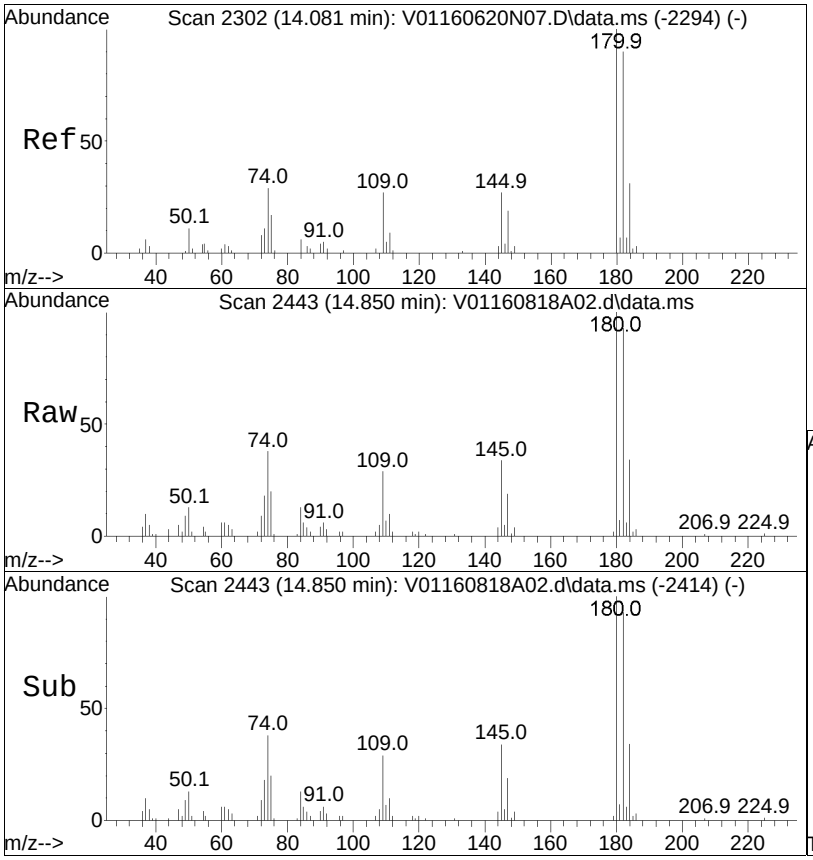


#108
Hexachlorobutadiene
Concen: 11.01 ug/L
RT: 14.806 min Scan# 2435
Delta R.T. -0.006 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:225 Resp: 32469

Ion	Ratio	Lower	Upper
225	100		
223	64.5	51.0	76.4
227	64.5	51.8	77.8

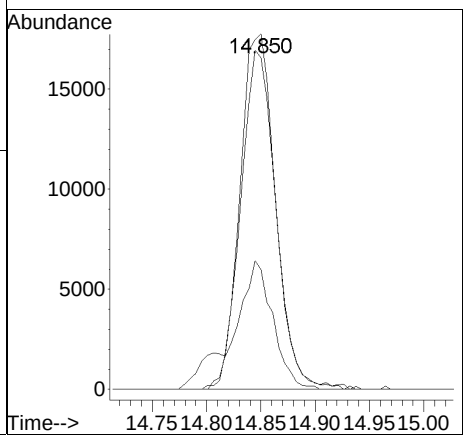


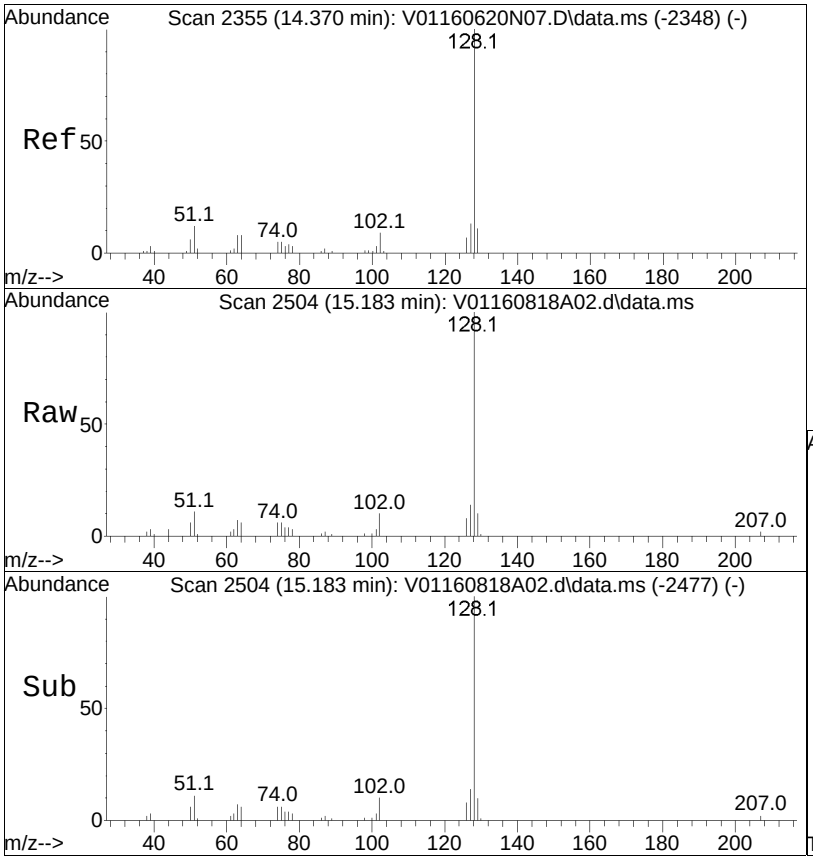


#109
1,2,4-Trichlorobenzene
Concen: 7.14 ug/L
RT: 14.850 min Scan# 2443
Delta R.T. 0.006 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:180 Resp: 40733

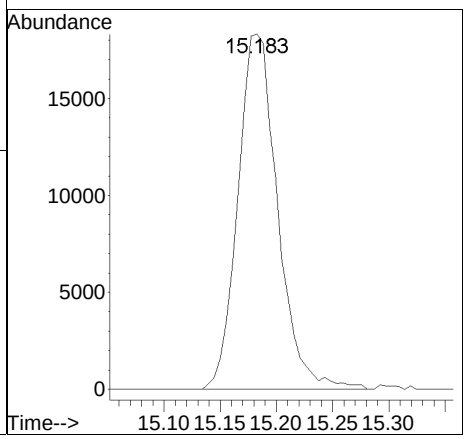
Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.1	114.1
145	40.8	29.0	43.6

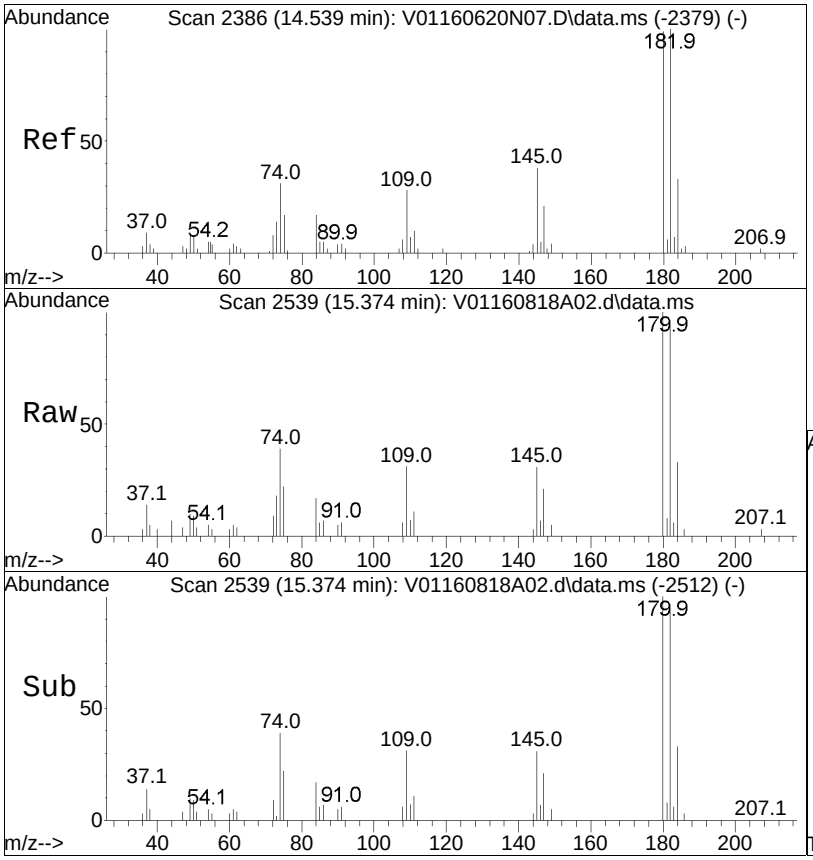




#110
Naphthalene
Concen: 5.27 ug/L
RT: 15.183 min Scan# 2504
Delta R.T. -0.000 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:128 Resp: 45100

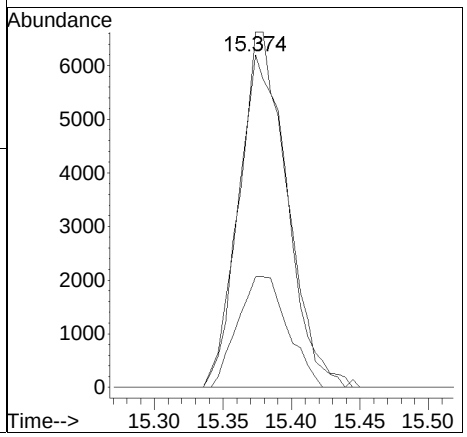




#111
1,2,3-Trichlorobenzene
Concen: 4.98 ug/L
RT: 15.374 min Scan# 2539
Delta R.T. -0.005 min
Lab File: V01160818A02.d
Acq: 18 Aug 2016 8:40 am

Tgt Ion:180 Resp: 16089

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
145	32.5	27.4	41.0

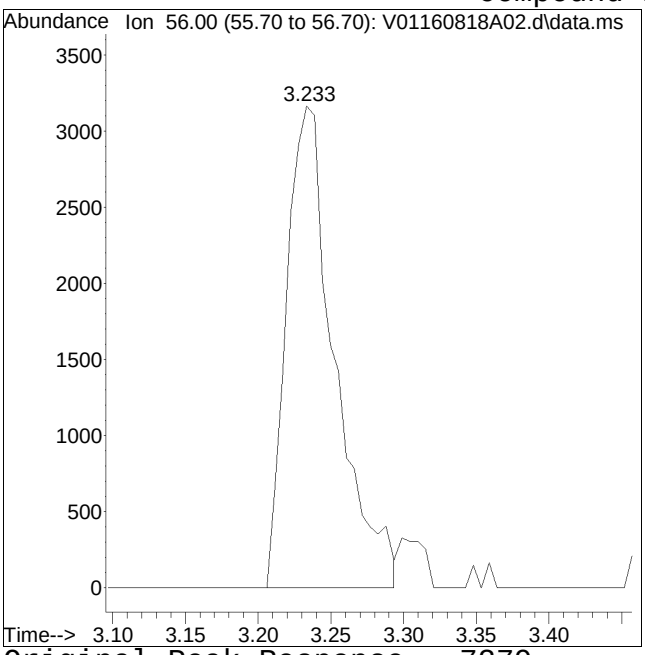


Manual Integration Report

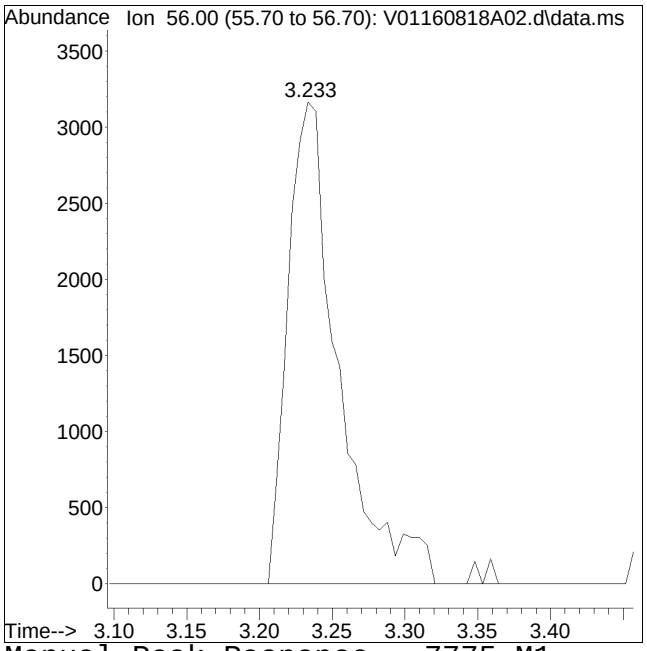
Data Path : I:\VOLATILES\VOA101\2016\1Q
Data File : V01160818A02.d
Date Inj'd : 8/18/2016 8:40 am
Sample : WG923932-3,31,10,10

Method : V101_160809_8260.m
Operator : VOA101:PD
Instrument : VOA 101
Quant Date : 8/18/2016 9:03 am

Compound #14: Acrolein



Original Peak Response = 7279



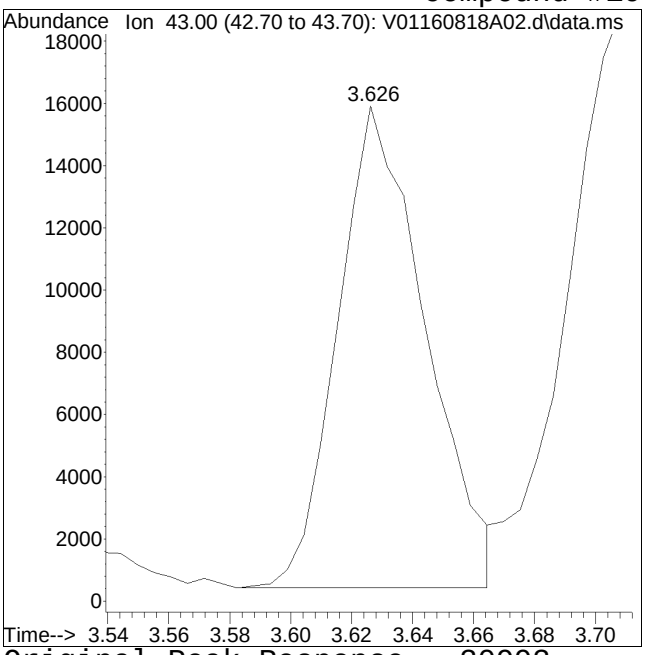
Manual Peak Response = 7775 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

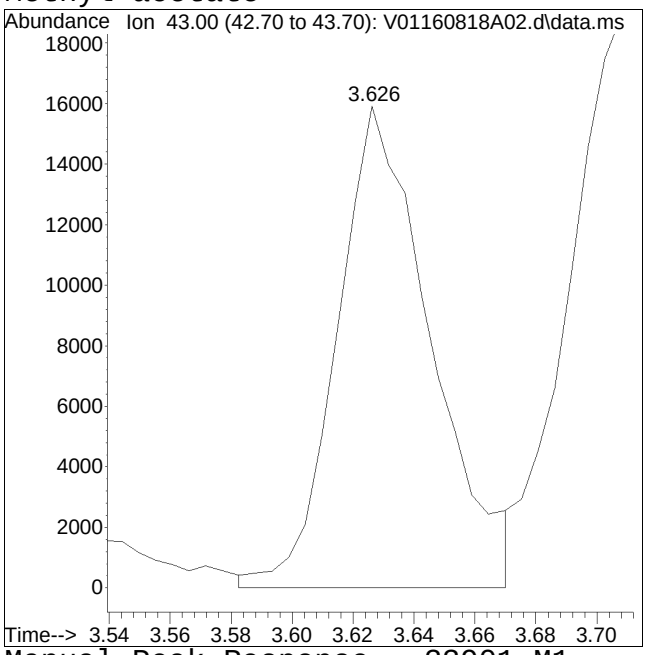
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1QMethod : V101_160809_8260.m
Data File : V01160818A02.d Operator : VOA101:PD
Date Inj'd : 8/18/2016 8:40 am Instrument : VOA 101
Sample : WG923932-3,31,10,10 Quant Date : 8/18/2016 9:03 am

Compound #19: Methyl acetate



Original Peak Response = 30993



Manual Peak Response = 33901 M1

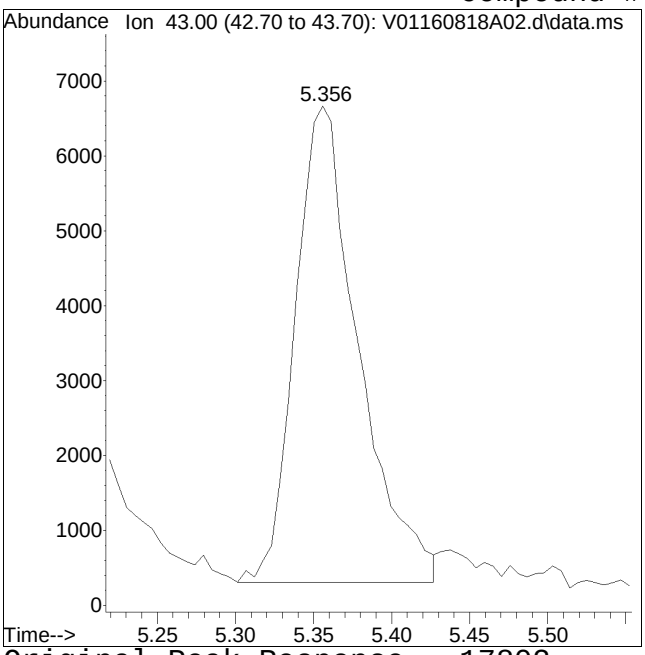
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

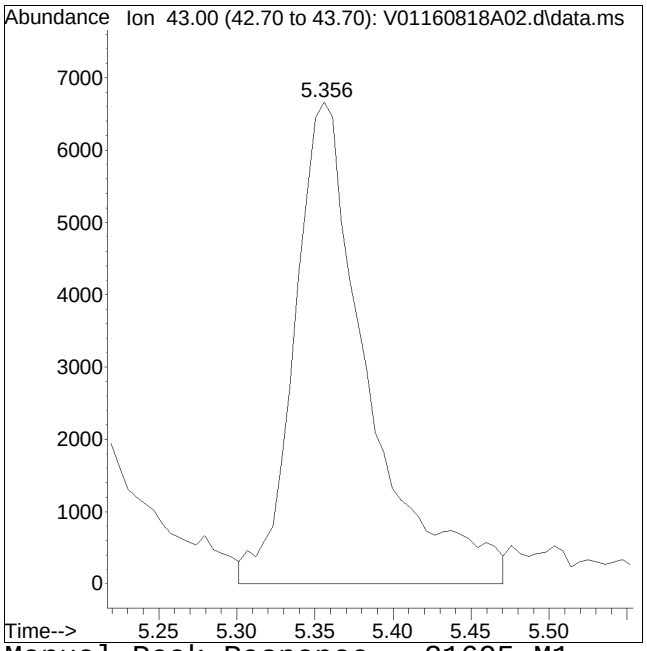
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1Q
Data File : V01160818A02.d
Date Inj'd : 8/18/2016 8:40 am
Sample : WG923932-3,31,10,10

Method : V101_160809_8260.m
Operator : VOA101:PD
Instrument : VOA 101
Quant Date : 8/18/2016 9:03 am

Compound #39: 2-Butanone





Original Peak Response = 17802 Manual Peak Response = 21695 M1

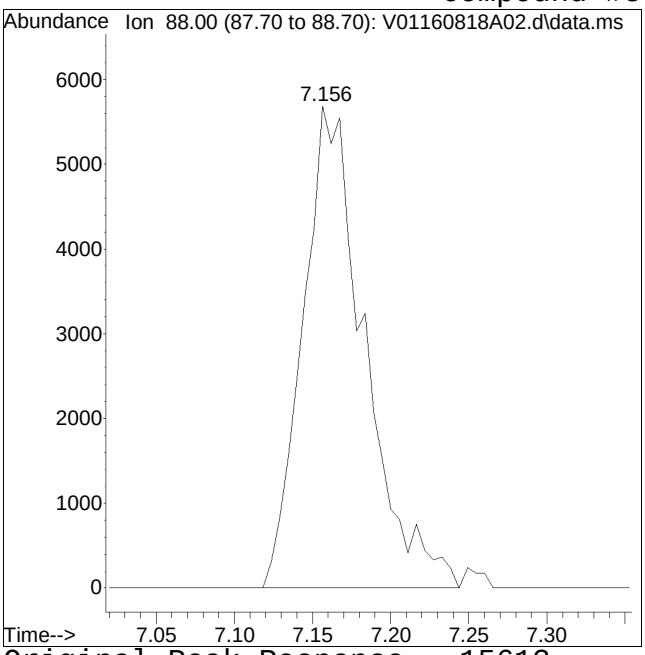
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

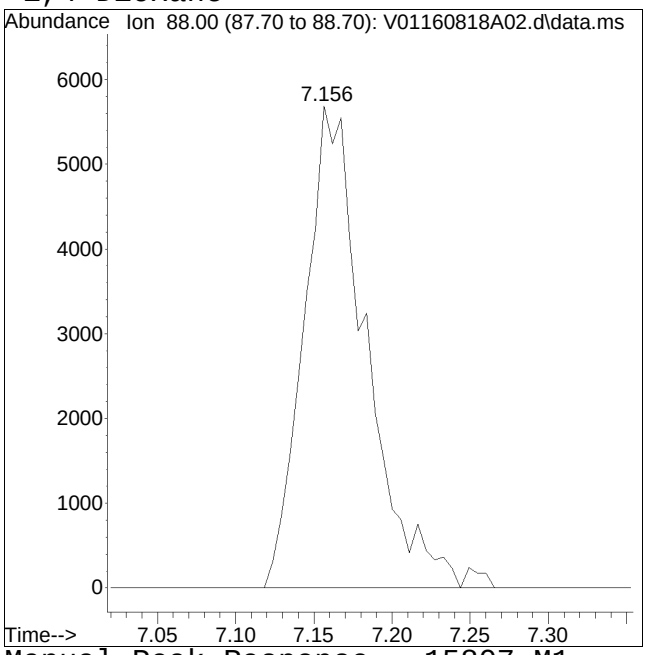
Data Path : I:\VOLATILES\VOA101\2016\1Q
Data File : V01160818A02.d
Date Inj'd : 8/18/2016 8:40 am
Sample : WG923932-3,31,10,10

Method : V101_160809_8260.m
Operator : VOA101:PD
Instrument : VOA 101
Quant Date : 8/18/2016 9:03 am

Compound #57: 1,4-Dioxane



Original Peak Response = 15613



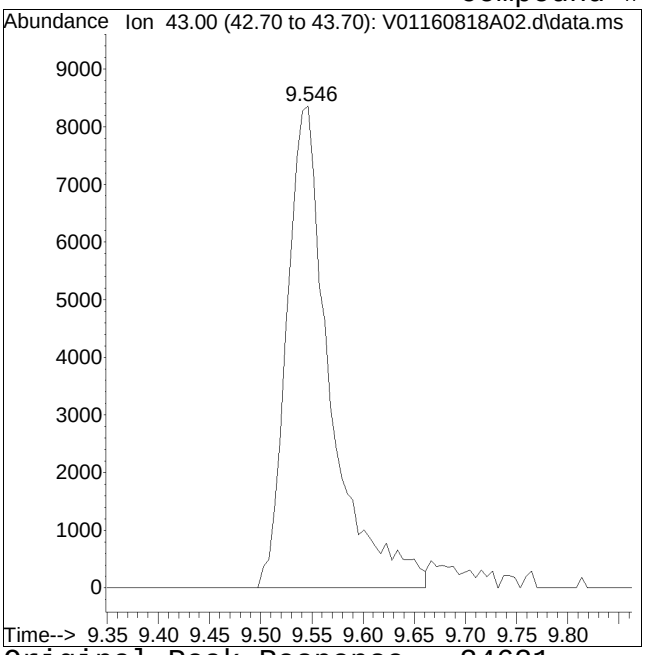
Manual Peak Response = 15807 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

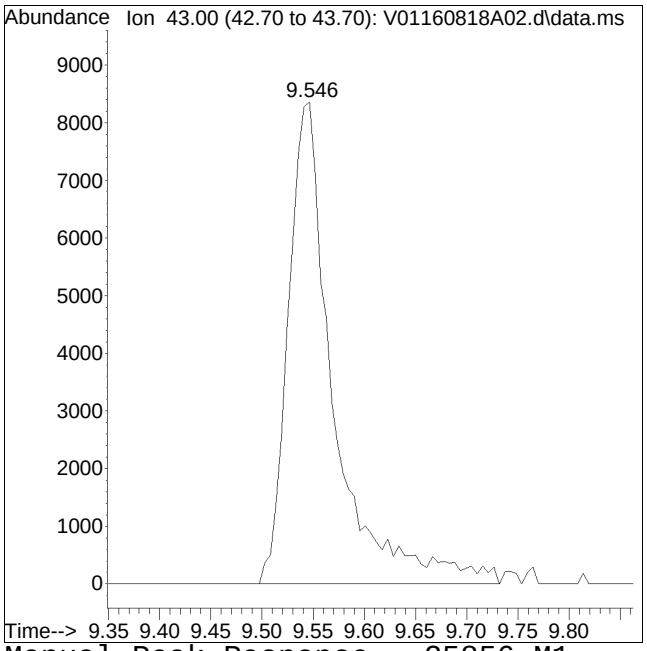
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1QMethod : V101_160809_8260.m
Data File : V01160818A02.d Operator : VOA101:PD
Date Inj'd : 8/18/2016 8:40 am Instrument : VOA 101
Sample : WG923932-3,31,10,10 Quant Date : 8/18/2016 9:03 am

Compound #72: 2-Hexanone



Original Peak Response = 24621



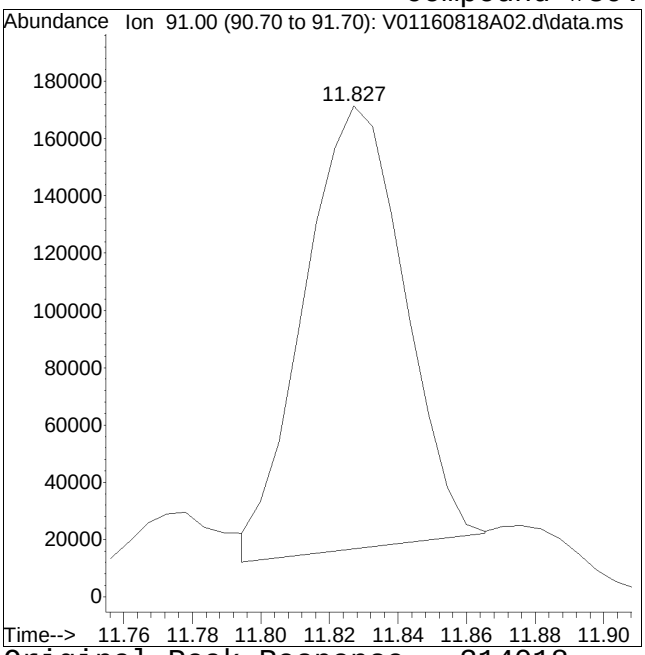
Manual Peak Response = 25856 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

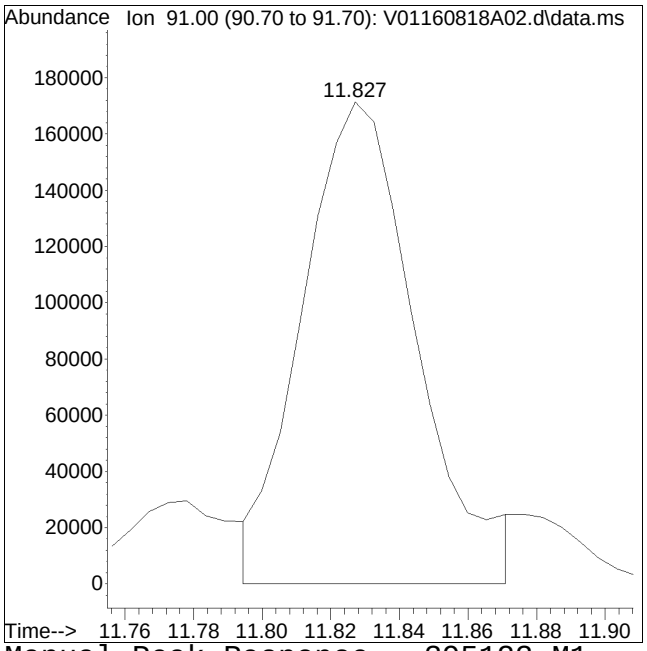
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1QMethod : V101_160809_8260.m
Data File : V01160818A02.d Operator : VOA101:PD
Date Inj'd : 8/18/2016 8:40 am Instrument : VOA 101
Sample : WG923932-3,31,10,10 Quant Date : 8/18/2016 9:03 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 314018



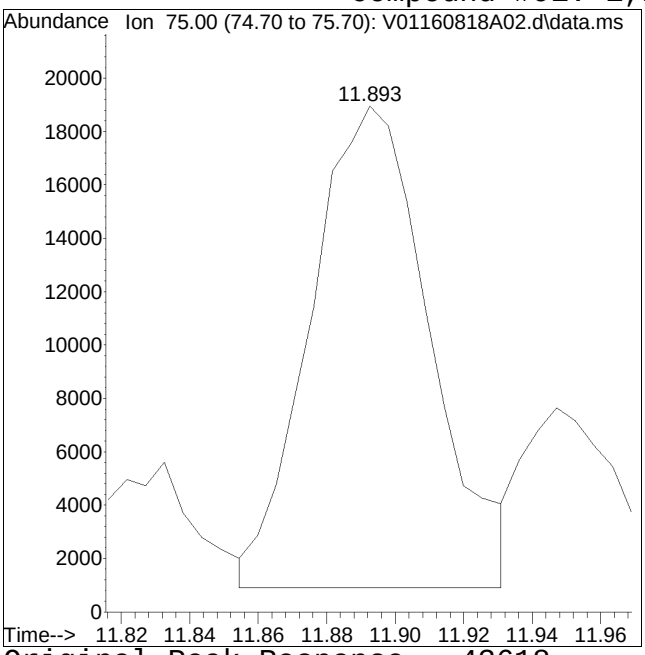
Manual Peak Response = 395123 M1

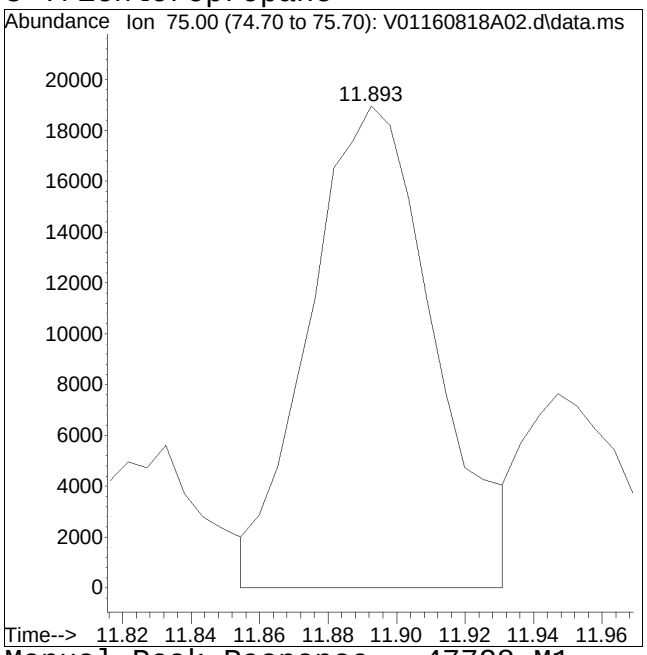
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1QMethod : V101_160809_8260.m
Data File : V01160818A02.d Operator : VOA101:PD
Date Inj'd : 8/18/2016 8:40 am Instrument : VOA 101
Sample : WG923932-3,31,10,10 Quant Date : 8/18/2016 9:03 am

Compound #91: 1,2,3-Trichloropropane





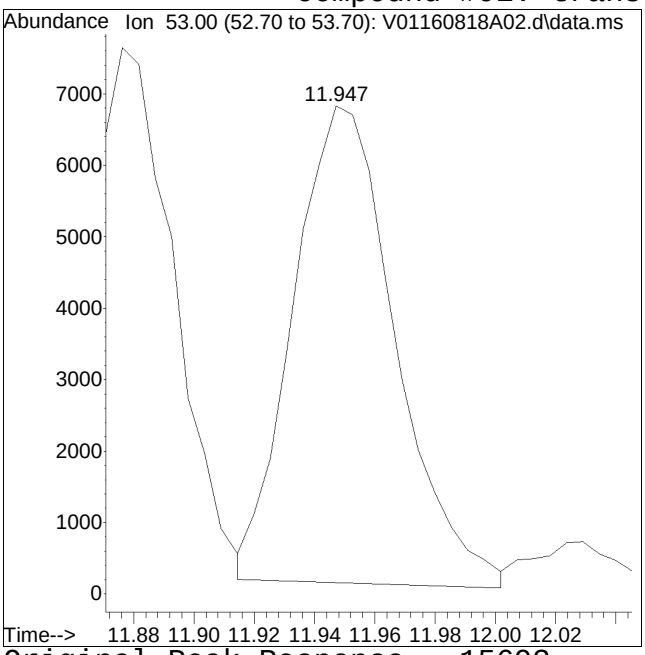
Original Peak Response = 43618 Manual Peak Response = 47728 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

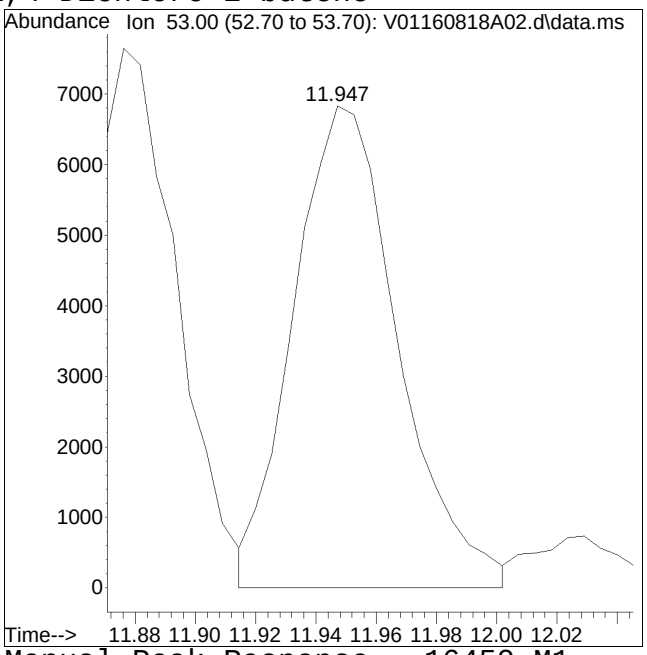
Data Path : I:\VOLATILES\VOA101\2016\1Q
Data File : V01160818A02.d
Date Inj'd : 8/18/2016 8:40 am
Sample : WG923932-3,31,10,10

Method : V101_160809_8260.m
Operator : VOA101:PD
Instrument : VOA 101
Quant Date : 8/18/2016 9:03 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 15693



Manual Peak Response = 16450 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

LCS Duplicate Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A03.d
Acq On : 18 Aug 2016 9:08 am
Operator : VOA101:PD
Sample : WG923932-4,31,10,10
Misc : WG923932,ICAL12752
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 18 09:40:17 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.082	96	492093	10.000	ug/L	0.00
Standard Area 1 = 614919			Recovery = 80.03%			
59) Chlorobenzene-d5	9.907	117	333317	10.000	ug/L	0.00
Standard Area 1 = 416180			Recovery = 80.09%			
79) 1,4-Dichlorobenzene-d4	12.793	152	136291	10.000	ug/L	0.00
Standard Area 1 = 172755			Recovery = 78.89%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.214	113	117130	9.299	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.99%			
43) 1,2-Dichloroethane-d4	5.776	65	126481	8.733	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.33%			
60) Toluene-d8	7.899	98	466930	10.390	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.90%			
83) 4-Bromofluorobenzene	11.478	95	148376	10.929	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.29%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.591	85	80707	7.581	ug/L	99
3) Chloromethane	1.771	50	126953	8.886	ug/L	99
4) Vinyl chloride	1.848	62	140553	9.591	ug/L	95
5) Bromomethane	2.153	94	73724	8.577	ug/L	99
6) Chloroethane	2.268	64	85674	8.795	ug/L	99
7) Trichlorofluoromethane	2.404	101	160409	9.465	ug/L	99
8) Ethyl ether	2.699	74	35927	7.873	ug/L	91
10) 1,1-Dichloroethene	2.890	96	90921	9.290	ug/L	93
11) Carbon disulfide	2.922	76	309103	8.980	ug/L	100
12) Freon-113	2.928	101	82876	9.054	ug/L #	54
13) Iodomethane	3.032	142	66591	6.872	ug/L	96
14) Acrolein	3.212	56	5862M1	7.638	ug/L	
15) Methylene chloride	3.452	84	95830	9.130	ug/L	100
17) Acetone	3.501	43	11666M1	8.699	ug/L	
18) trans-1,2-Dichloroethene	3.610	96	100829	9.526	ug/L	97
19) Methyl acetate	3.615	43	25416	7.253	ug/L #	86
20) Methyl tert-butyl ether	3.703	73	155116	7.429	ug/L	95
21) tert-Butyl alcohol	3.785	59	13887	58.521	ug/L #	83
22) Diisopropyl ether	4.068	45	329799	8.713	ug/L	99
23) 1,1-Dichloroethane	4.210	63	197788	9.797	ug/L	99
24) Halothane	4.259	117	63408	9.120	ug/L	100

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A03.d
Acq On : 18 Aug 2016 9:08 am
Operator : VOA101:PD
Sample : WG923932-4,31,10,10
Misc : WG923932,ICAL12752
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 18 09:40:17 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	4.270	53	13798	7.662	ug/L	93
26) Ethyl tert-butyl ether	4.434	59	230896	7.698	ug/L	98
27) Vinyl acetate	4.456	43	144902	7.928	ug/L	98
28) cis-1,2-Dichloroethene	4.750	96	106276	9.502	ug/L	97
29) 2,2-Dichloropropane	4.859	77	169566	10.709	ug/L	95
30) Bromochloromethane	4.952	128	35932	8.914	ug/L	92
31) Cyclohexane	4.952	56	191622	9.220	ug/L	98
32) Chloroform	5.029	83	178703	9.444	ug/L	99
33) Ethyl acetate	5.154	43	39821	7.359	ug/L	97
34) Carbon tetrachloride	5.170	117	137617	9.140	ug/L	99
35) Tetrahydrofuran	5.187	42	14159	7.516	ug/L	97
37) 1,1,1-Trichloroethane	5.241	97	171486	9.593	ug/L	99
39) 2-Butanone	5.351	43	16344M1	8.488	ug/L	
40) 1,1-Dichloropropene	5.372	75	137129	9.538	ug/L	96
41) Benzene	5.634	78	403353	9.500	ug/L	99
42) tert-Amyl methyl ether	5.743	73	163874	7.282	ug/L	94
44) 1,2-Dichloroethane	5.847	62	108287	8.579	ug/L	98
47) Methyl cyclohexane	6.251	83	149503	8.650	ug/L	100
48) Trichloroethene	6.267	95	104155	9.203	ug/L	94
50) Dibromomethane	6.742	93	37118	8.127	ug/L	95
51) 1,2-Dichloropropane	6.856	63	92463	9.185	ug/L	97
53) 2-Chloroethyl vinyl ether	7.604	63	24996	7.488	ug/L	93
54) Bromodichloromethane	6.927	83	114613	8.919	ug/L	98
57) 1,4-Dioxane	7.157	88	11900	365.440	ug/L	99
58) cis-1,3-Dichloropropene	7.680	75	127058	8.722	ug/L	96
61) Toluene	7.964	92	247286	9.684	ug/L	97
62) 4-Methyl-2-pentanone	8.439	58	11283	6.773	ug/L	97
63) Tetrachloroethene	8.444	166	90571	9.373	ug/L	95
65) trans-1,3-Dichloropropene	8.488	75	93388	8.320	ug/L	96
67) Ethyl methacrylate	8.690	69	53765	7.303	ug/L	97
68) 1,1,2-Trichloroethane	8.690	83	40017	8.052	ug/L	97
69) Chlorodibromomethane	8.924	129	55709	7.992	ug/L	98
70) 1,3-Dichloropropane	9.044	76	87580	8.403	ug/L	100
71) 1,2-Dibromoethane	9.230	107	42199	7.979	ug/L	98
72) 2-Hexanone	9.536	43	18546M1	7.106	ug/L	
73) Chlorobenzene	9.934	112	242047	9.252	ug/L	95
74) Ethylbenzene	9.967	91	479762	9.446	ug/L	97
75) 1,1,1,2-Tetrachloroethane	10.016	131	74408	8.538	ug/L	97
76) p/m Xylene	10.169	106	341015	18.098	ug/L	91
77) o Xylene	10.731	106	311393	17.433	ug/L	89

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A03.d
Acq On : 18 Aug 2016 9:08 am
Operator : VOA101:PD
Sample : WG923932-4,31,10,10
Misc : WG923932,ICAL12752
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 18 09:40:17 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.801	104	494346	16.678	ug/L		97
80) Bromoform	10.829	173	24546	7.710	ug/L		99
82) Isopropylbenzene	11.129	105	419524	10.120	ug/L		99
84) Bromobenzene	11.604	156	75877	9.474	ug/L		99
85) n-Propylbenzene	11.642	91	521253	10.276	ug/L		96
86) 1,4-Dichlorobutane	11.669	55	84611	8.758	ug/L		98
87) 1,1,2,2-Tetrachloroethane	11.735	83	40350	8.399	ug/L		99
88) 4-Ethyltoluene	11.778	105	411189	10.193	ug/L		99
89) 2-Chlorotoluene	11.827	91	307729M1	10.279	ug/L		
90) 1,3,5-Trimethylbenzene	11.882	105	329501	9.916	ug/L	#	66
91) 1,2,3-Trichloropropane	11.893	75	37051M1	8.520	ug/L		
92) trans-1,4-Dichloro-2-b...	11.953	53	12646M1	8.109	ug/L		
93) 4-Chlorotoluene	12.024	91	291759	10.082	ug/L	#	100
94) tert-Butylbenzene	12.247	119	272257	9.951	ug/L		96
97) 1,2,4-Trimethylbenzene	12.335	105	314685	9.847	ug/L		98
98) sec-Butylbenzene	12.455	105	397184	9.799	ug/L		100
99) p-Isopropyltoluene	12.624	119	317482	9.707	ug/L		97
100) 1,3-Dichlorobenzene	12.711	146	146935	9.440	ug/L		99
101) 1,4-Dichlorobenzene	12.809	146	140404	9.102	ug/L		98
102) p-Diethylbenzene	13.033	119	177327	9.610	ug/L		97
103) n-Butylbenzene	13.099	91	289692	9.927	ug/L		97
104) 1,2-Dichlorobenzene	13.279	146	111956	8.901	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.912	119	213261	9.301	ug/L		99
106) 1,2-Dibromo-3-chloropr...	14.152	155	2997	6.923	ug/L		99
107) 1,3,5-Trichlorobenzene	14.179	180	66569	9.157	ug/L		97
108) Hexachlorobutadiene	14.806	225	26583	11.423	ug/L		98
109) 1,2,4-Trichlorobenzene	14.850	180	34851	7.743	ug/L		97
110) Naphthalene	15.183	128	44987	6.659	ug/L		100
111) 1,2,3-Trichlorobenzene	15.379	180	17324	6.794	ug/L		99

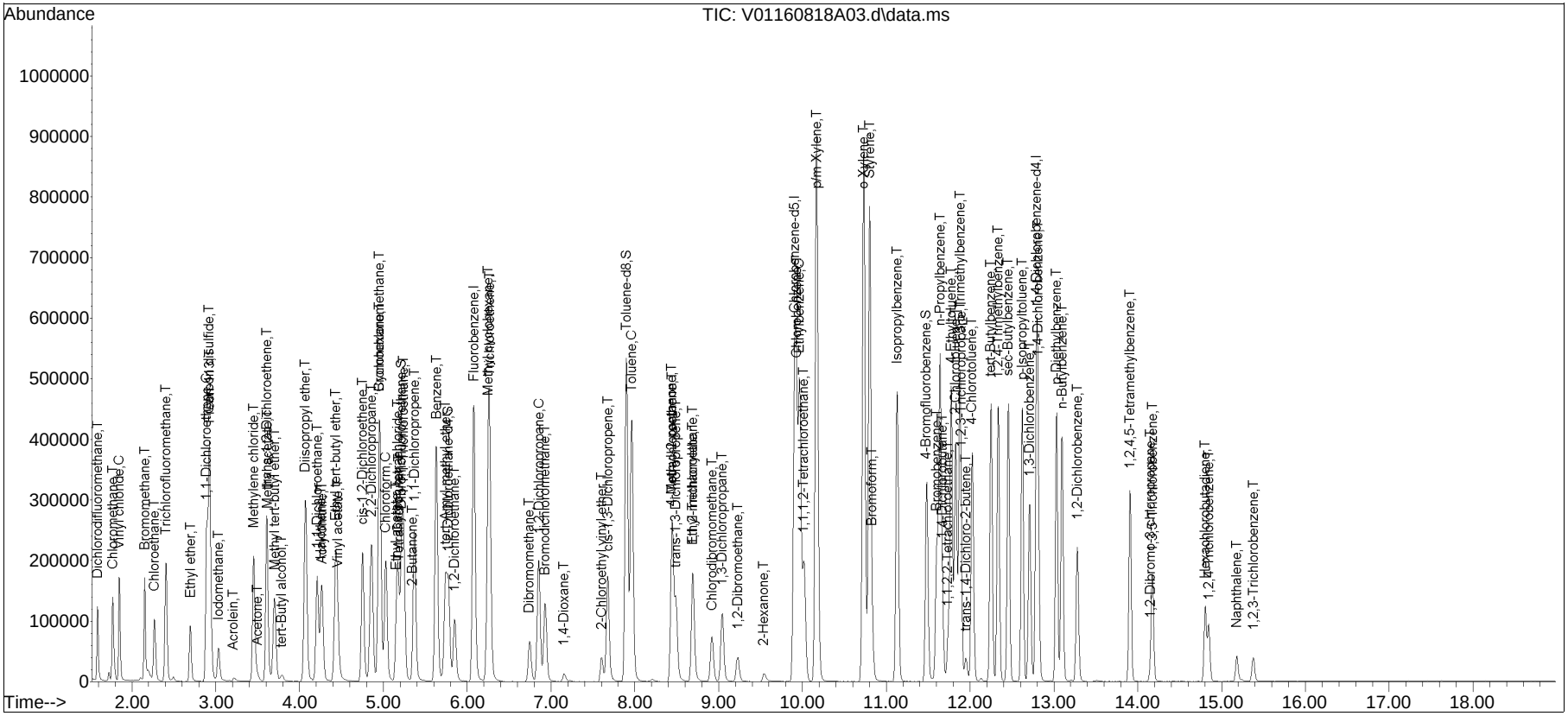
(#) = qualifier out of range (m) = manual integration (+) = signals summed

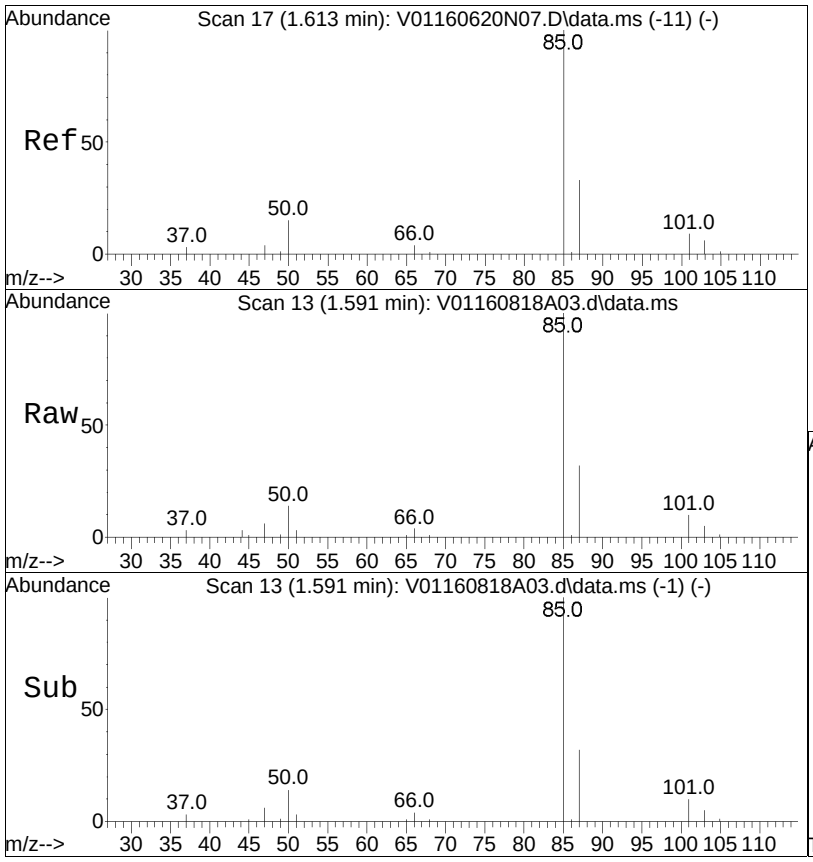
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A03.d
Acq On : 18 Aug 2016 9:08 am
Operator : VOA101:PD
Sample : WG923932-4,31,10,10
Misc : WG923932,ICAL12752
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 18 09:40:17 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox60818A\V01160818A02.d•

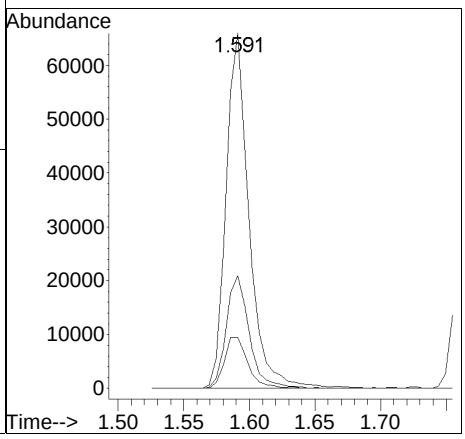


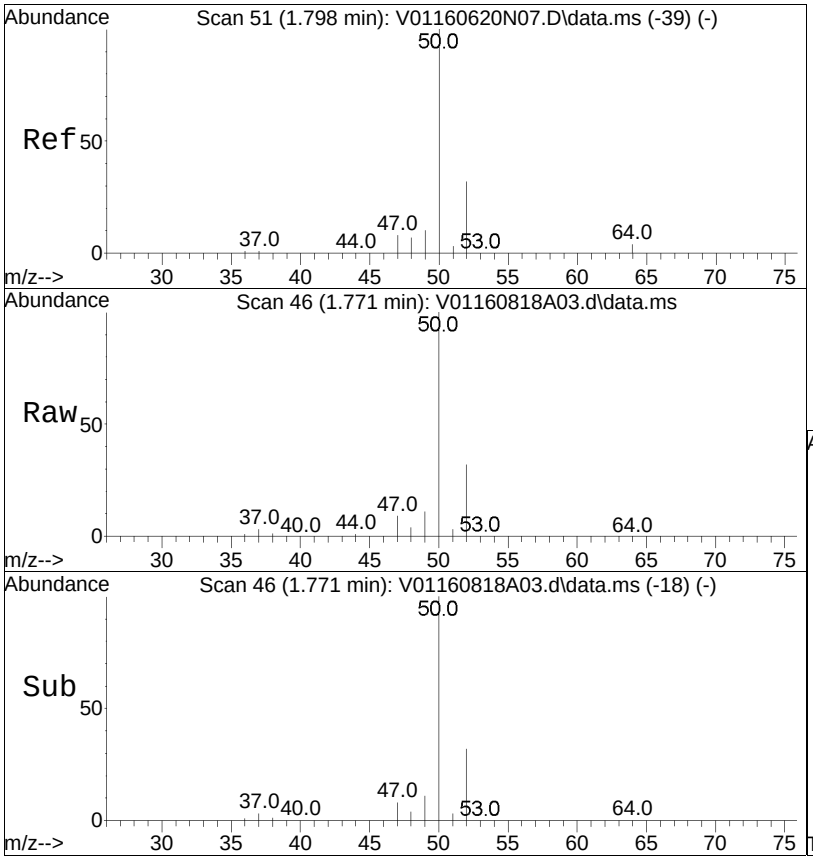


#2
Dichlorodifluoromethane
Concen: 7.58 ug/L
RT: 1.591 min Scan# 13
Delta R.T. 0.006 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 85 Resp: 80707

Ion	Ratio	Lower	Upper
85	100		
87	31.7	20.8	43.2
50	14.8	9.0	18.8

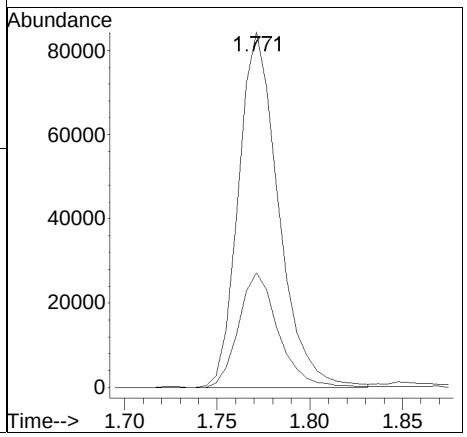


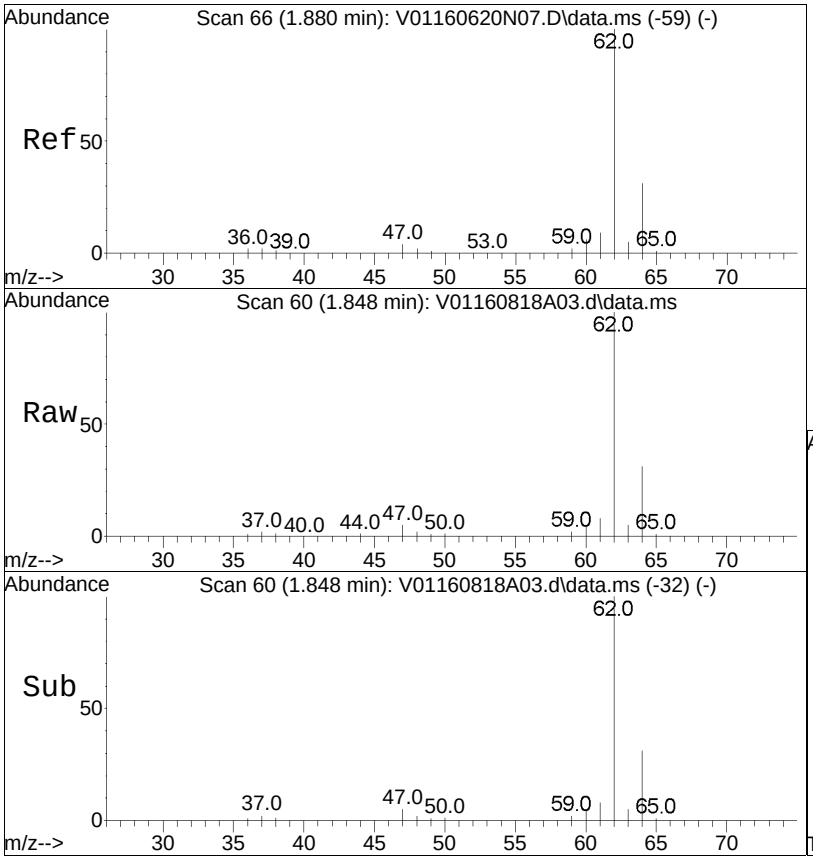


#3
Chloromethane
Concen: 8.89 ug/L
RT: 1.771 min Scan# 46
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 50 Resp: 126953

Ion	Ratio	Lower	Upper
50	100		
52	31.9	11.1	51.1

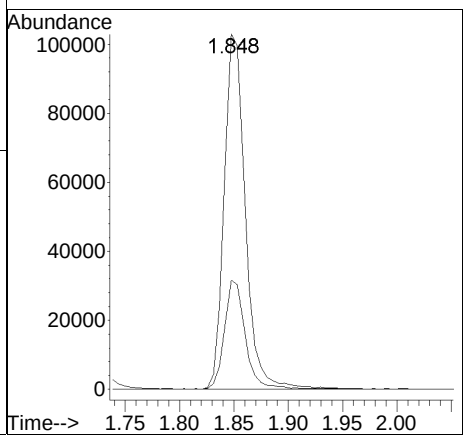


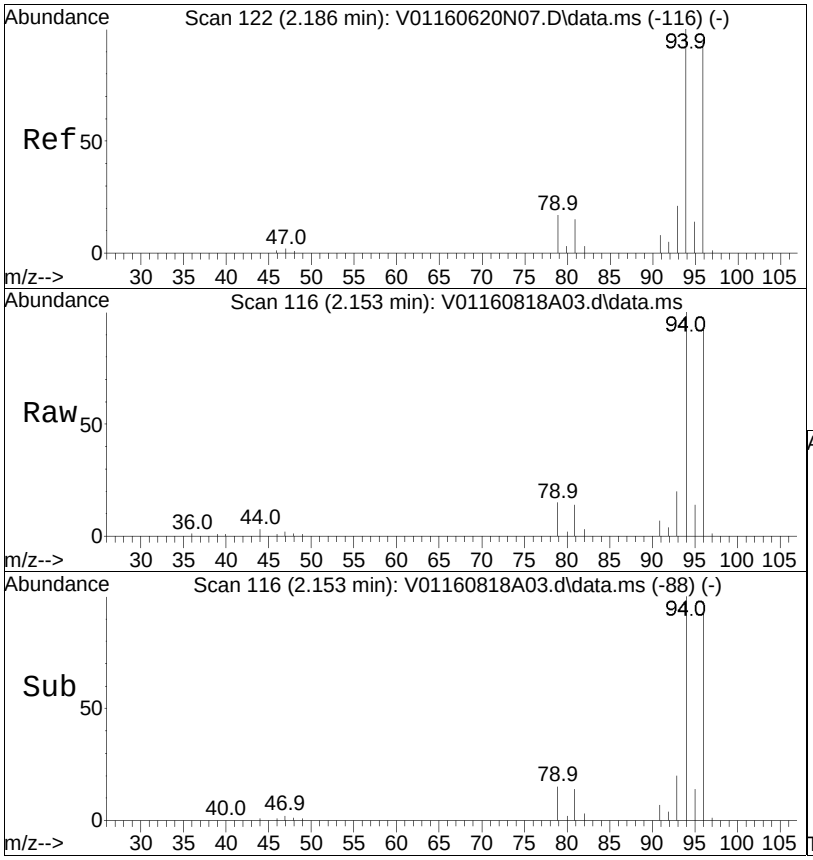


#4
Vinyl chloride
Concen: 9.59 ug/L
RT: 1.848 min Scan# 60
Delta R.T. 0.001 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 62 Resp: 140553

Ion	Ratio	Lower	Upper
62	100		
64	30.2	13.0	53.0

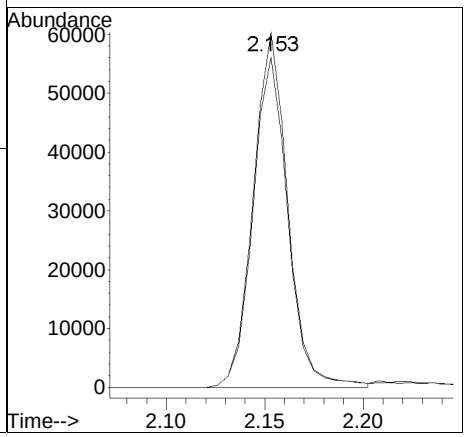


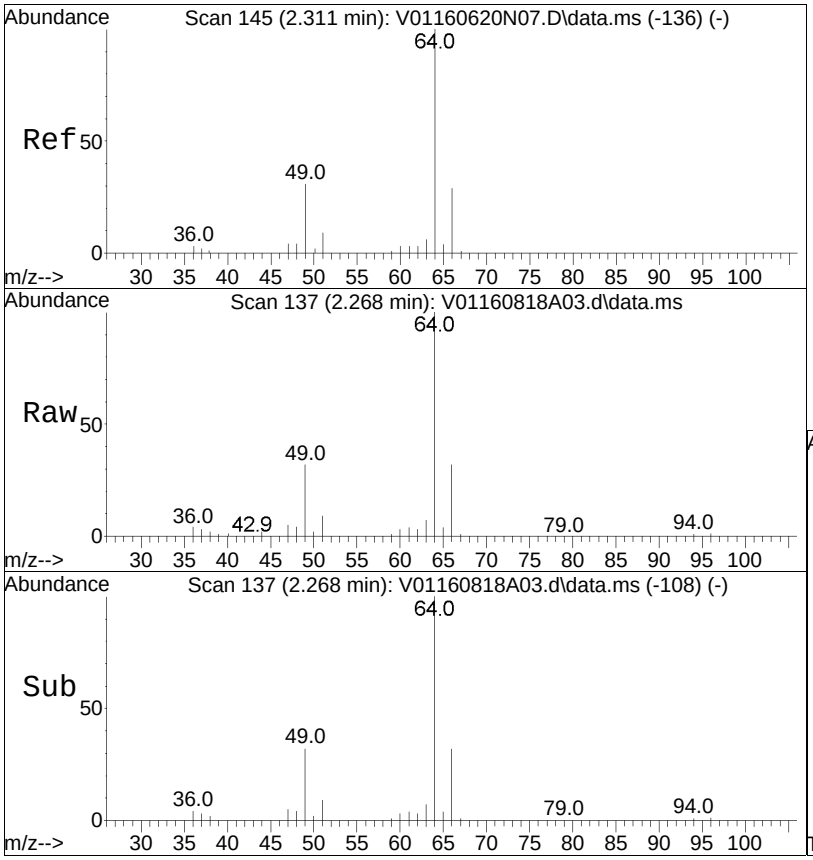


#5
Bromomethane
Concen: 8.58 ug/L
RT: 2.153 min Scan# 116
Delta R.T. 0.005 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 94 Resp: 73724

Ion	Ratio	Lower	Upper
94	100		
96	94.2	73.1	113.1

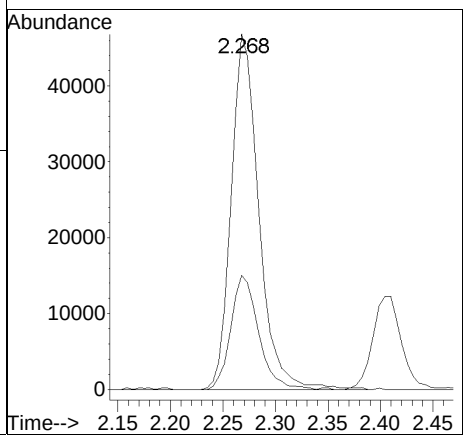


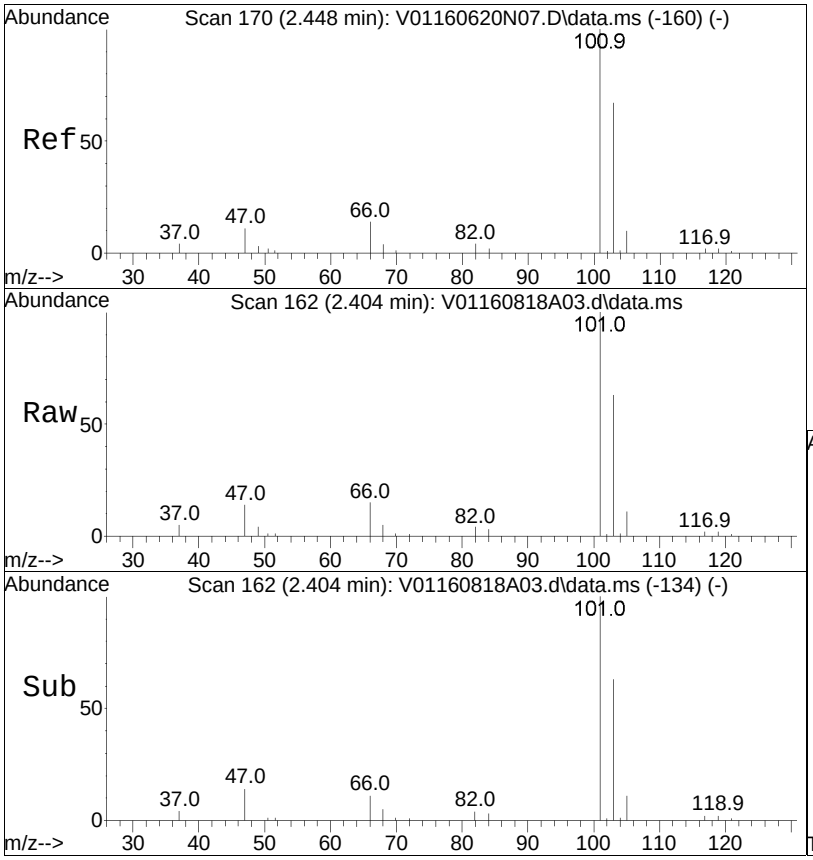


#6
Chloroethane
Concen: 8.80 ug/L
RT: 2.268 min Scan# 137
Delta R.T. 0.006 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 64 Resp: 85674

Ion	Ratio	Lower	Upper
64	100		
66	32.1	11.4	51.4

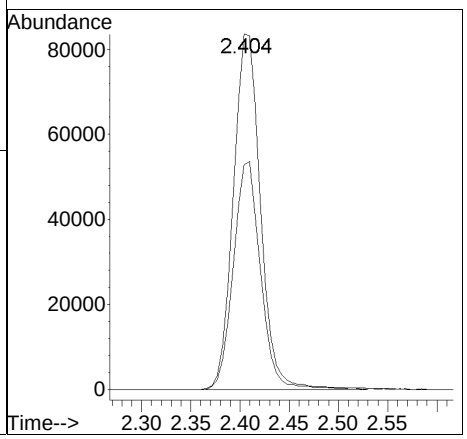


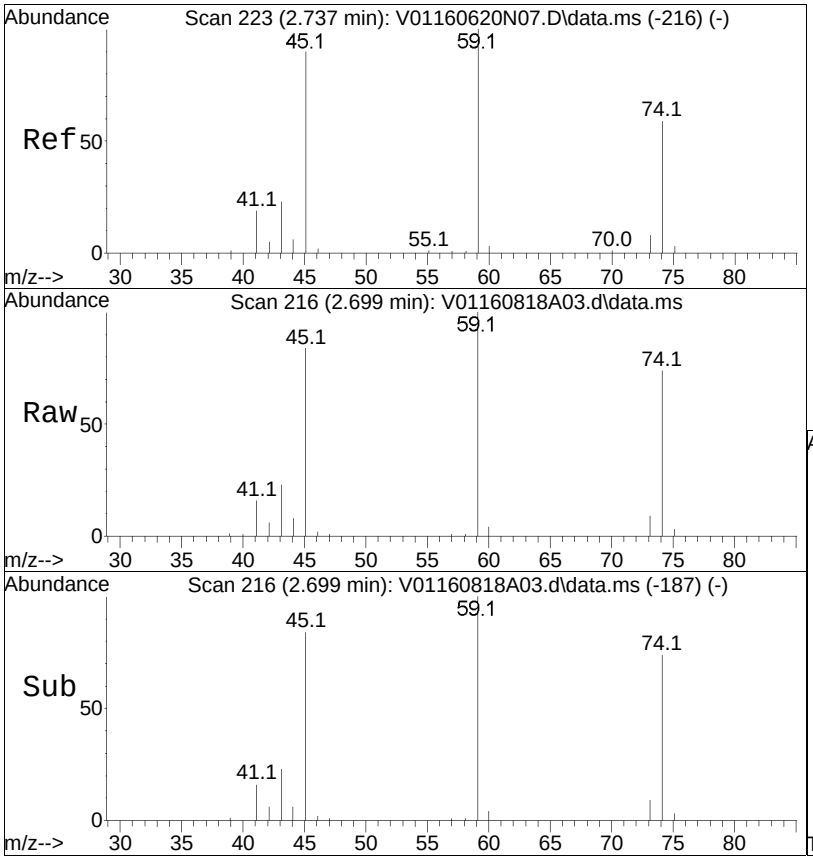


#7
Trichlorofluoromethane
Concen: 9.47 ug/L
RT: 2.404 min Scan# 162
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:101 Resp: 160409

Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.8	77.6

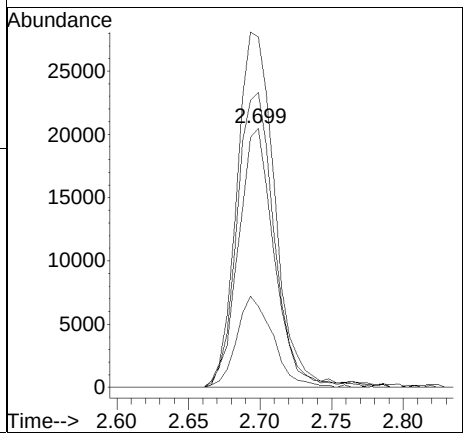


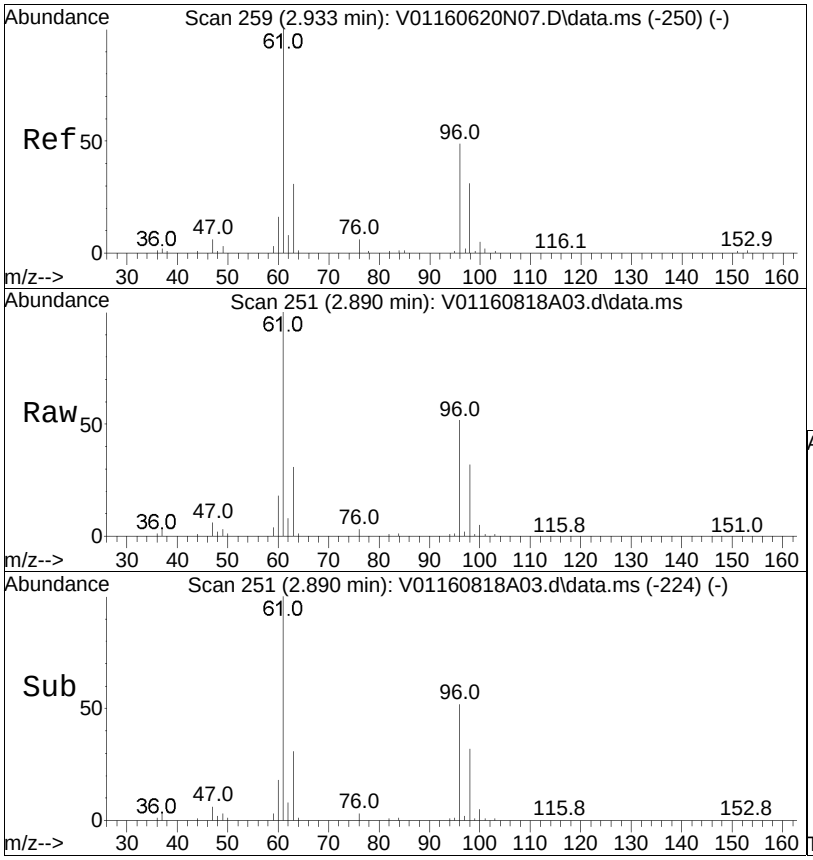


#8
Ethyl ether
Concen: 7.87 ug/L
RT: 2.699 min Scan# 216
Delta R.T. 0.006 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 74 Resp: 35927

Ion	Ratio	Lower	Upper
74	100		
59	144.1	100.4	208.6
45	117.5	84.4	175.4
43	35.5	24.2	50.2

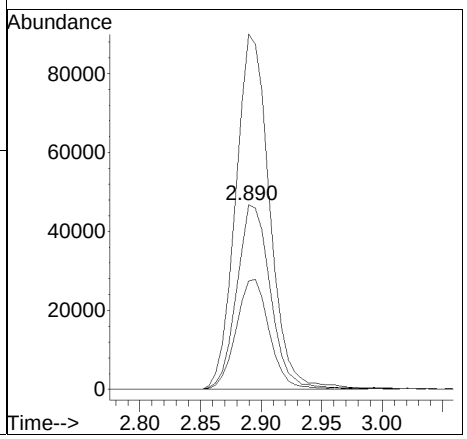


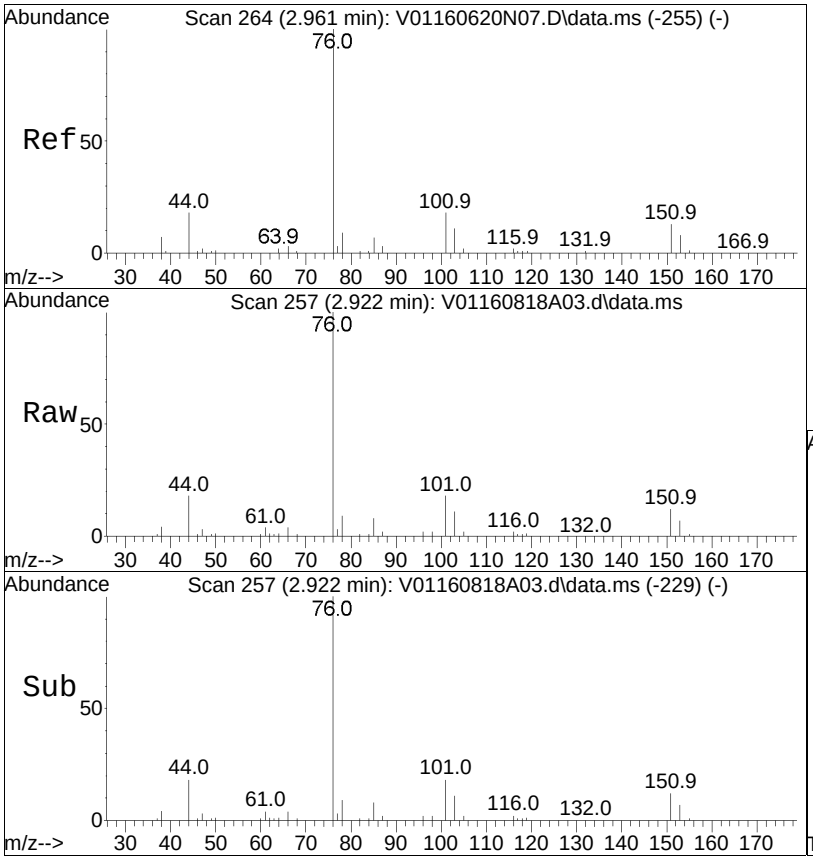


#10
1,1-Dichloroethene
Concen: 9.29 ug/L
RT: 2.890 min Scan# 251
Delta R.T. -0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 96 Resp: 90921

Ion	Ratio	Lower	Upper
96	100		
61	193.7	145.4	218.2
63	58.6	45.7	68.5

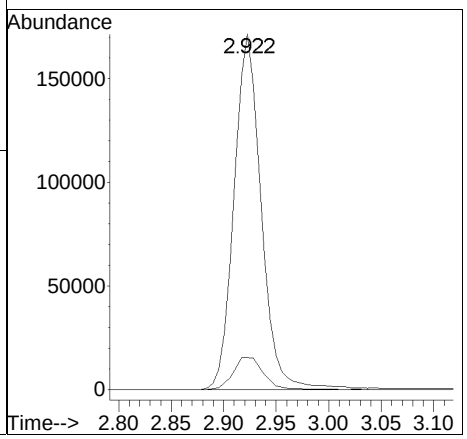


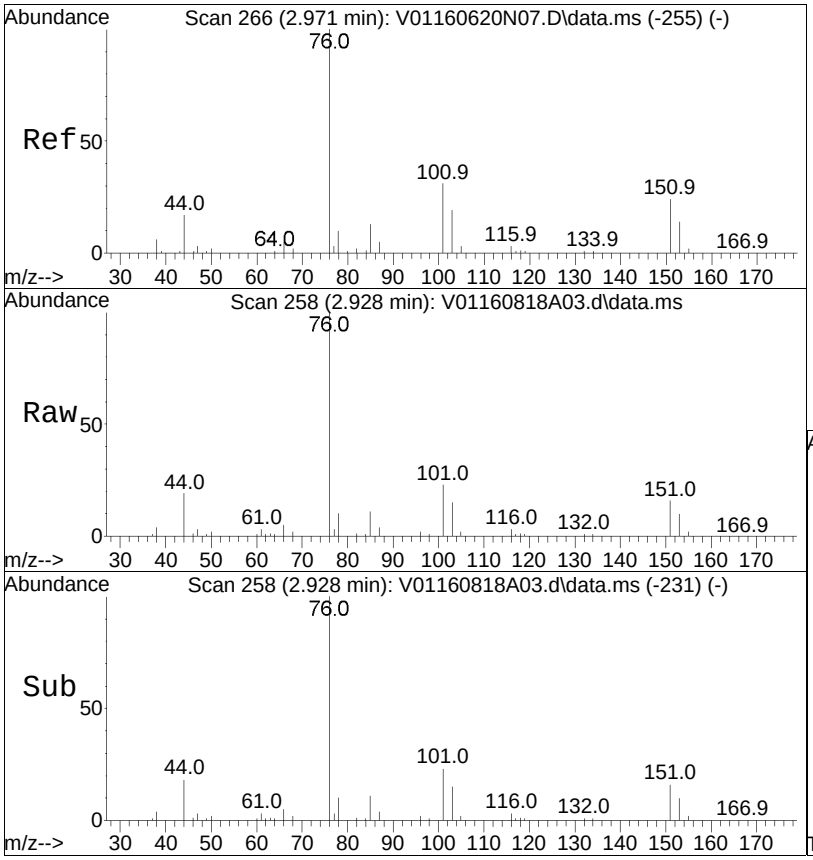


#11
Carbon disulfide
Concen: 8.98 ug/L
RT: 2.922 min Scan# 257
Delta R.T. 0.005 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 76 Resp: 309103

Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.5	13.5

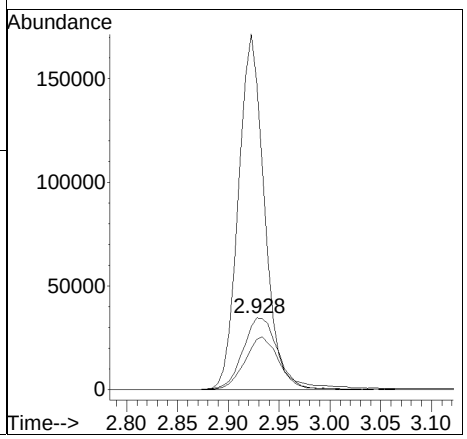


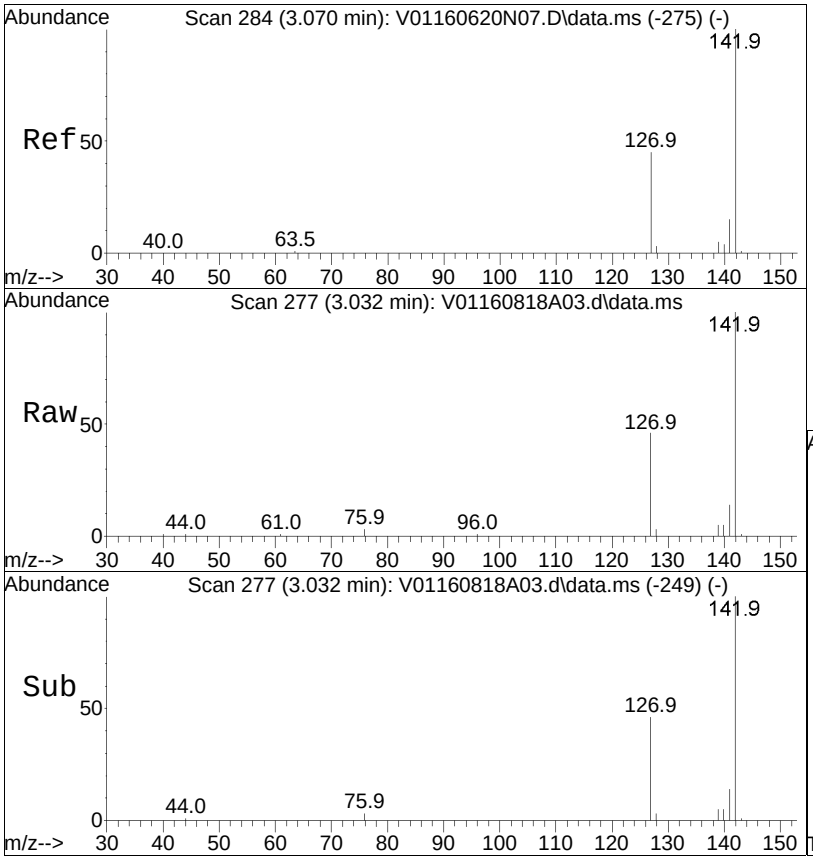


#12
Freon-113
Concen: 9.05 ug/L
RT: 2.928 min Scan# 258
Delta R.T. -0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:101 Resp: 82876

Ion	Ratio	Lower	Upper
101	100		
151	71.6	58.7	88.1
76	373.7	214.3	321.5#

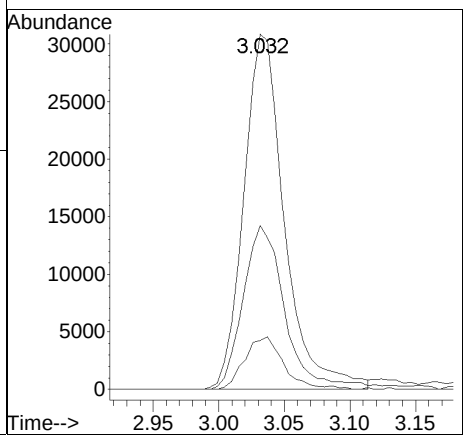


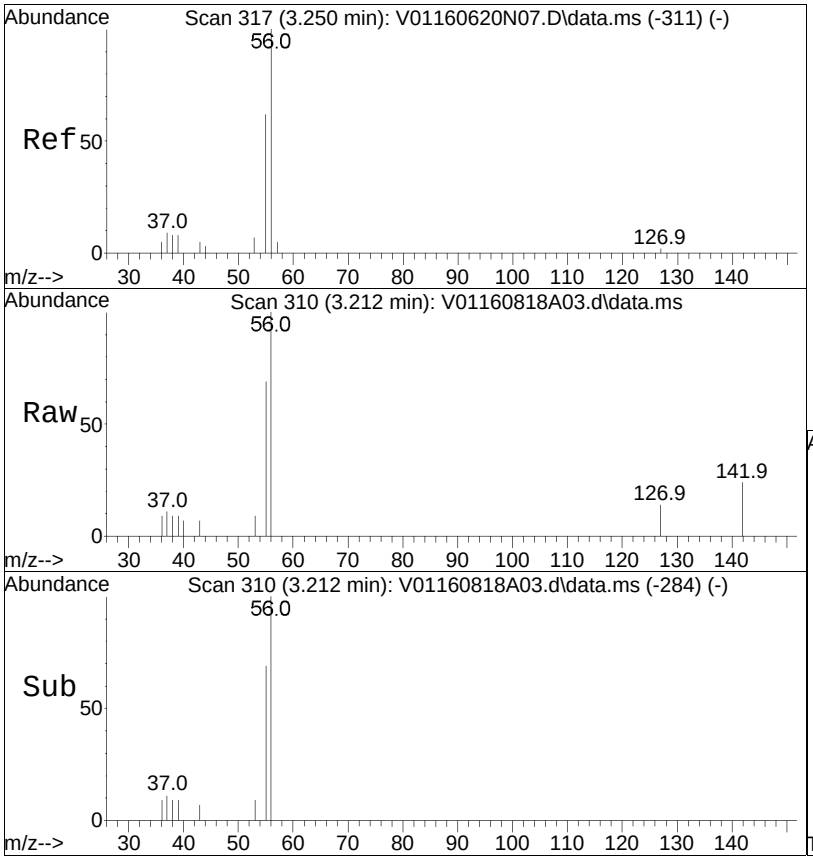


#13
Iodomethane
Concen: 6.87 ug/L
RT: 3.032 min Scan# 277
Delta R.T. 0.001 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:142 Resp: 66591

Ion	Ratio	Lower	Upper
142	100		
127	48.0	29.1	60.5
141	14.3	8.6	18.0

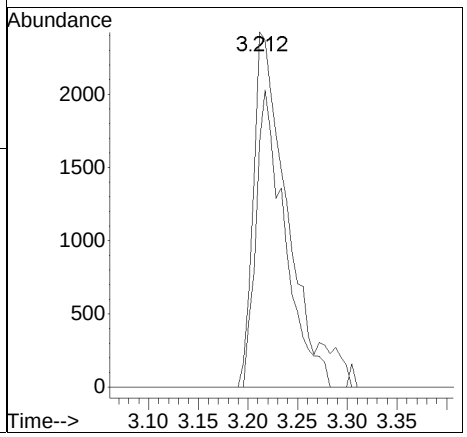


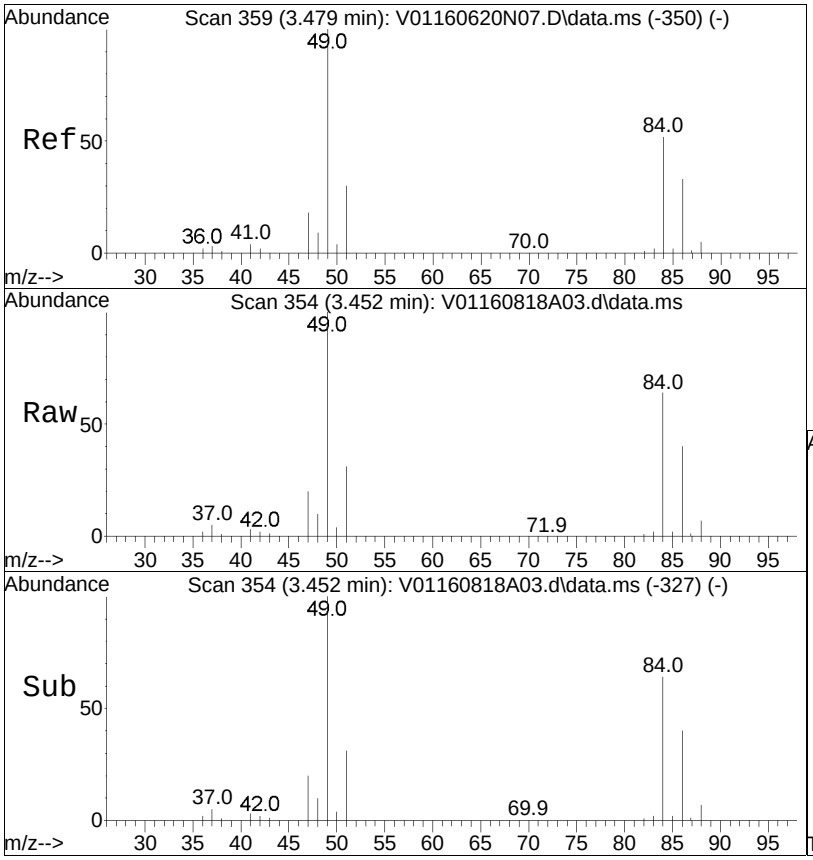


#14
Acrolein
Concen: 7.64 ug/L M1
RT: 3.212 min Scan# 310
Delta R.T. -0.010 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 56 Resp: 5862

Ion	Ratio	Lower	Upper
56	100		
55	70.5	57.8	86.6

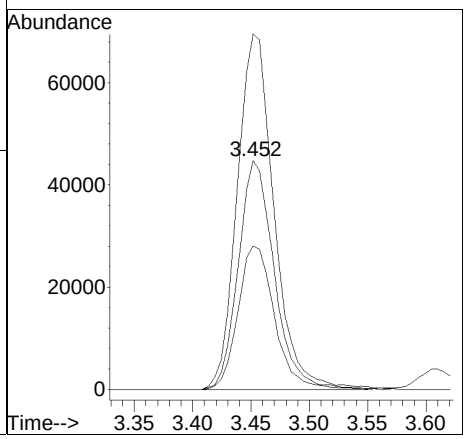


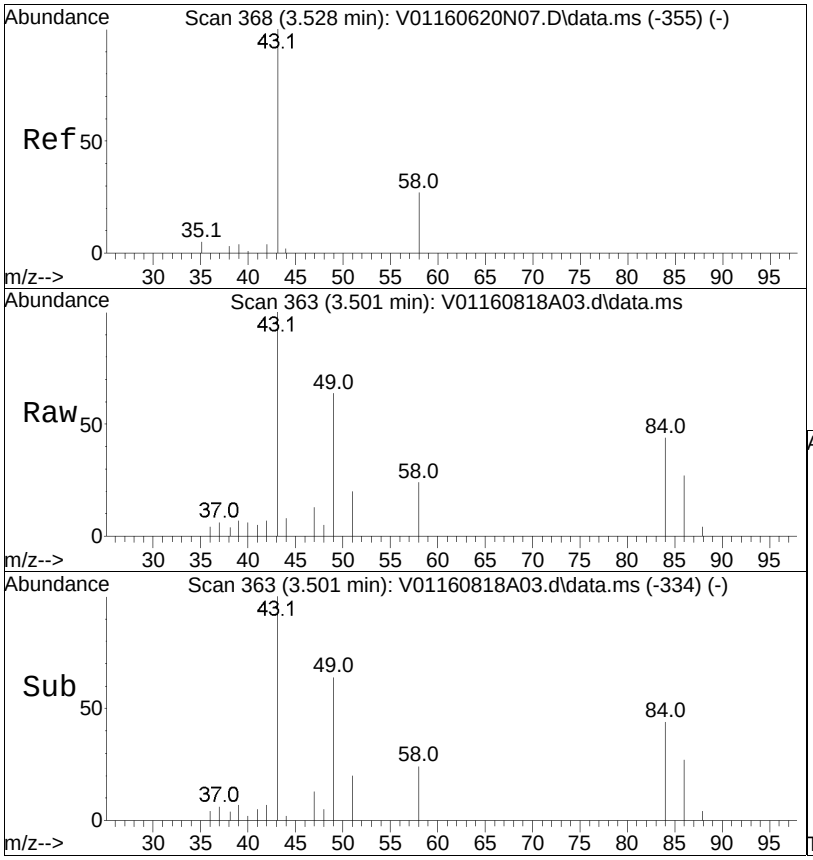


#15
Methylene chloride
Concen: 9.13 ug/L
RT: 3.452 min Scan# 354
Delta R.T. -0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 84 Resp: 95830

Ion	Ratio	Lower	Upper
84	100		
86	63.9	41.3	85.9
49	159.4	103.5	215.1

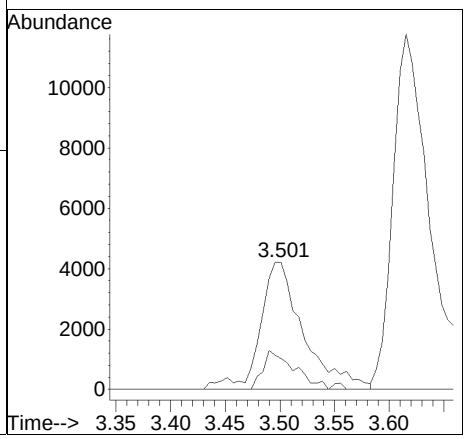


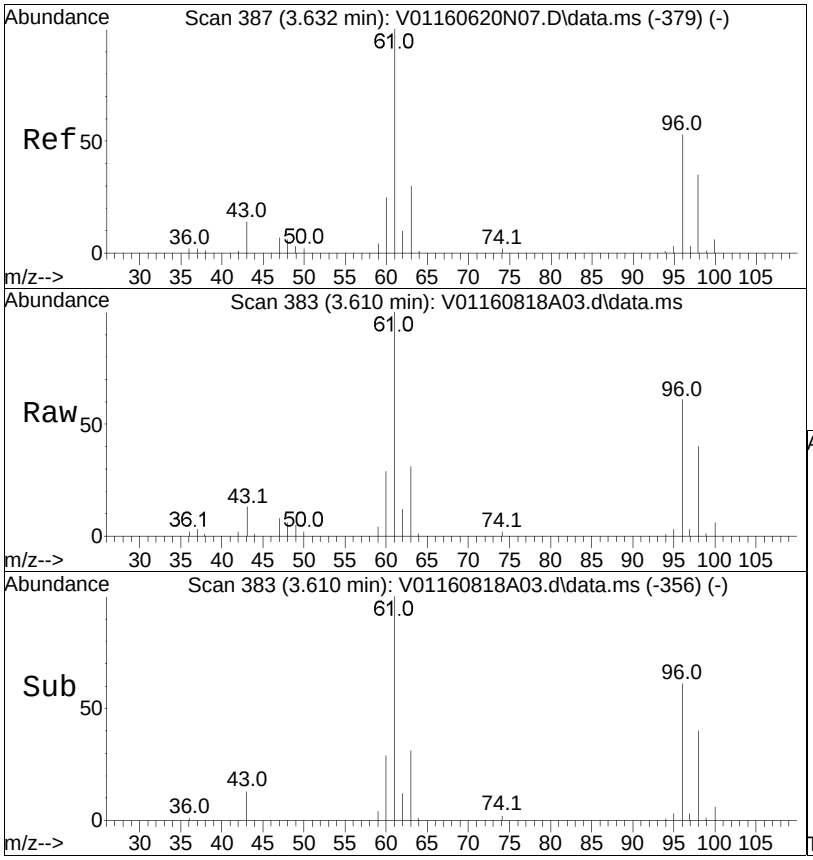


#17
Acetone
Concen: 8.70 ug/L M1
RT: 3.501 min Scan# 363
Delta R.T. 0.006 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 43 Resp: 11666

Ion	Ratio	Lower	Upper
43	100		
58	22.2	18.5	27.7

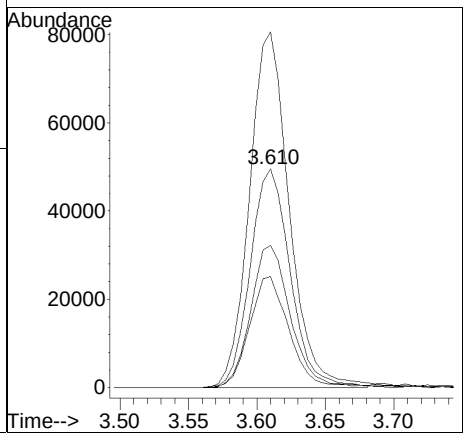


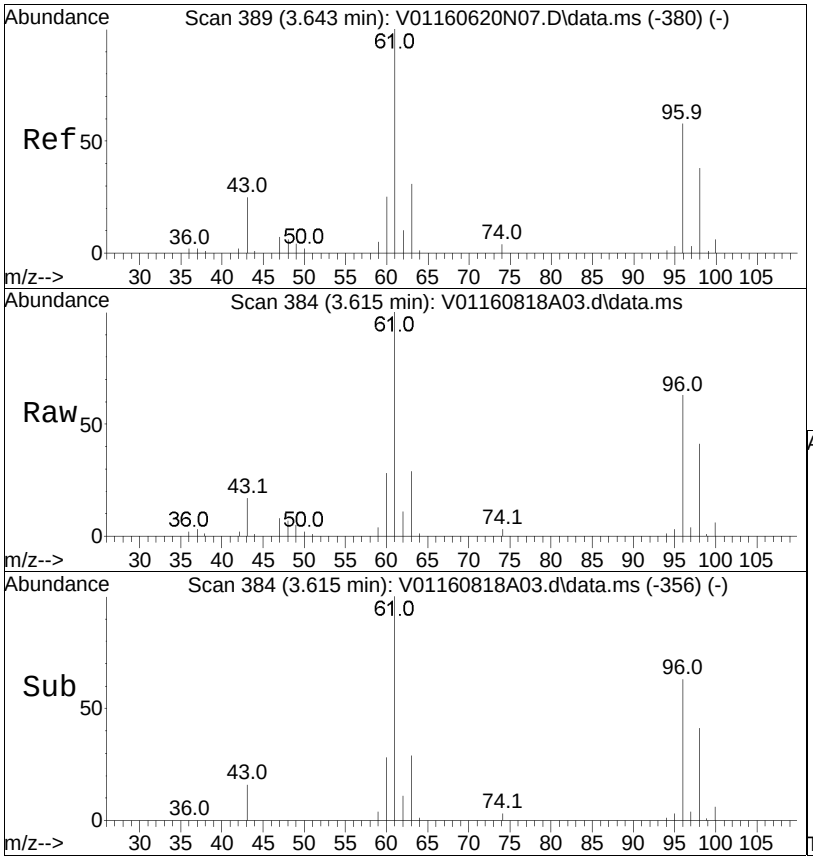


#18
trans-1,2-Dichloroethene
Concen: 9.53 ug/L
RT: 3.610 min Scan# 383
Delta R.T. -0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 96 Resp: 100829

Ion	Ratio	Lower	Upper
96	100		
61	162.0	101.5	210.9
98	64.9	41.2	85.6
63	50.0	32.1	66.7

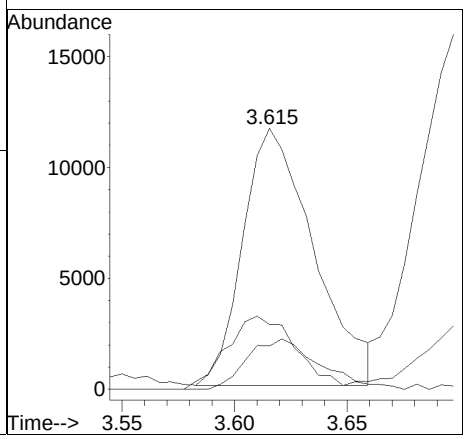


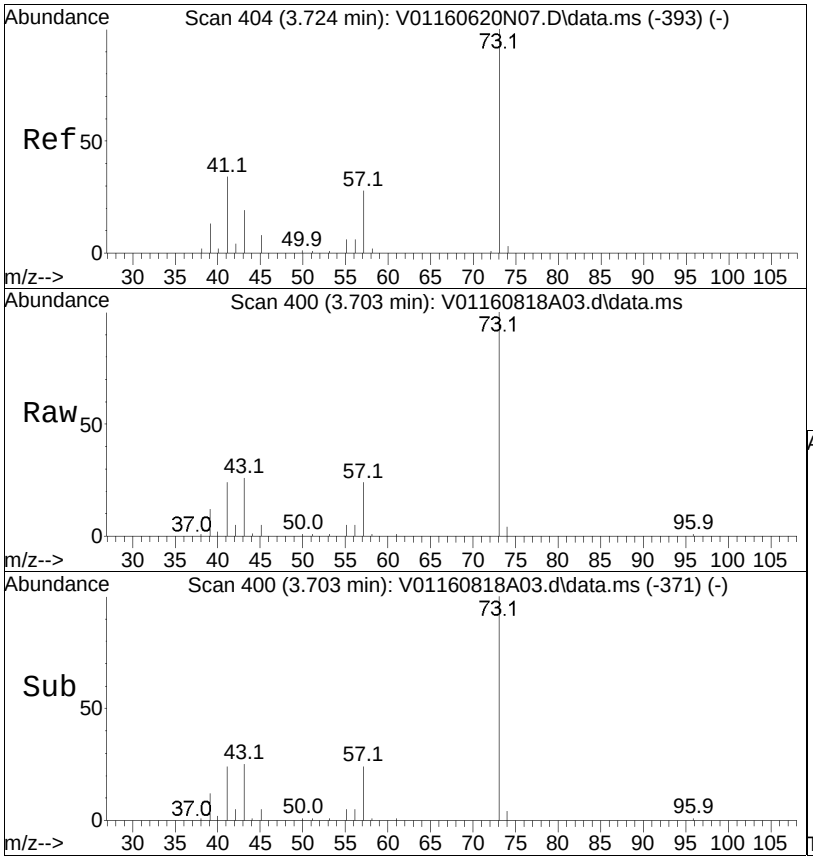


#19
Methyl acetate
Concen: 7.25 ug/L
RT: 3.615 min Scan# 384
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 43 Resp: 25416

Ion	Ratio	Lower	Upper
43	100		
74	19.7	13.6	20.4
59	29.2	15.8	23.8#

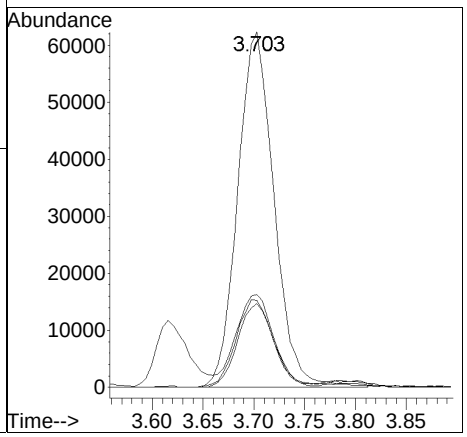


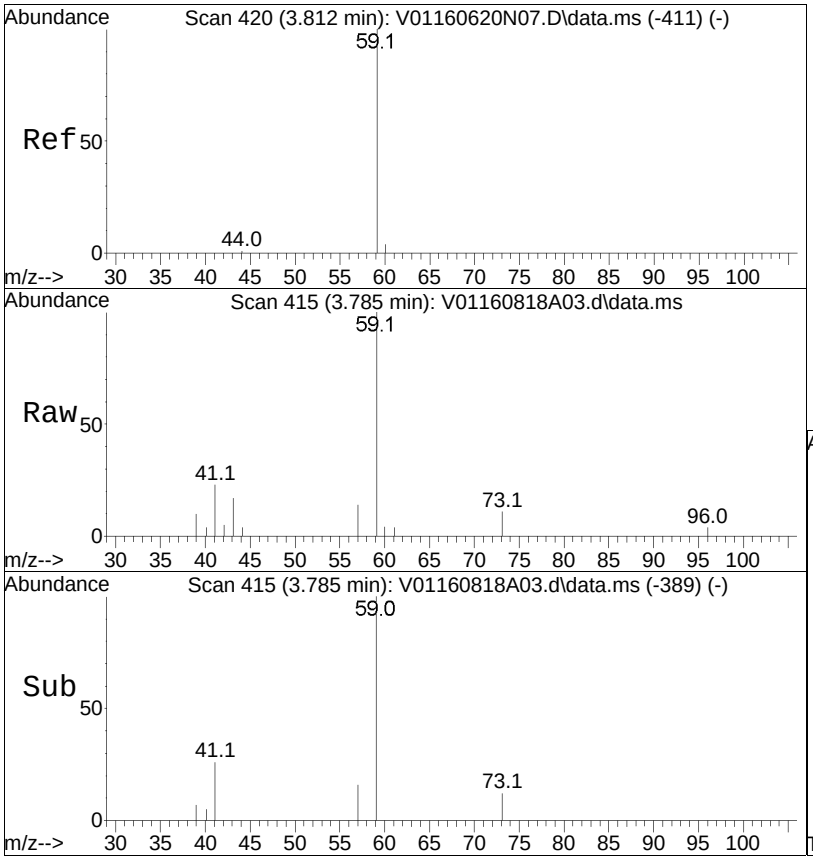


#20
Methyl tert-butyl ether
Concen: 7.43 ug/L
RT: 3.703 min Scan# 400
Delta R.T. 0.006 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 73 Resp: 155116

Ion	Ratio	Lower	Upper
73	100		
57	23.5	16.0	33.2
43	26.7	18.5	38.3
41	25.4	19.2	40.0

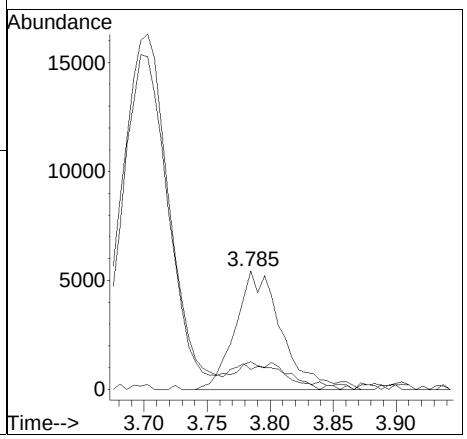


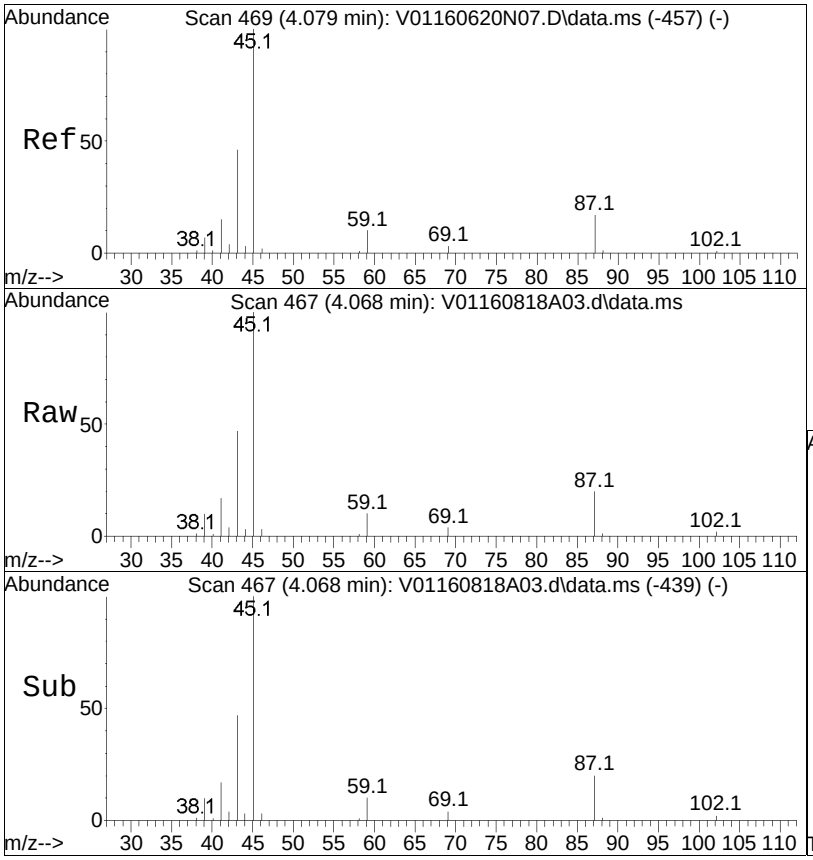


#21
tert-Butyl alcohol
Concen: 58.52 ug/L
RT: 3.785 min Scan# 415
Delta R.T. -0.010 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 59 Resp: 13887

Ion	Ratio	Lower	Upper
59	100		
41	23.6	21.5	44.7
43	26.2	0.0	0.0#

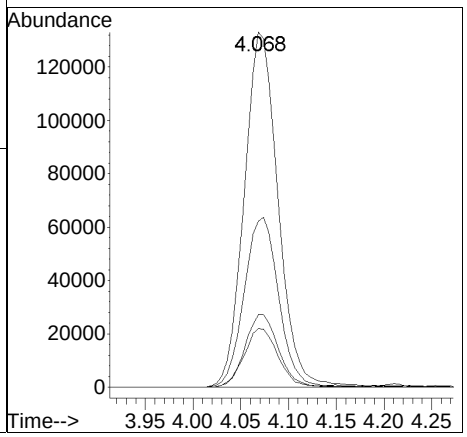


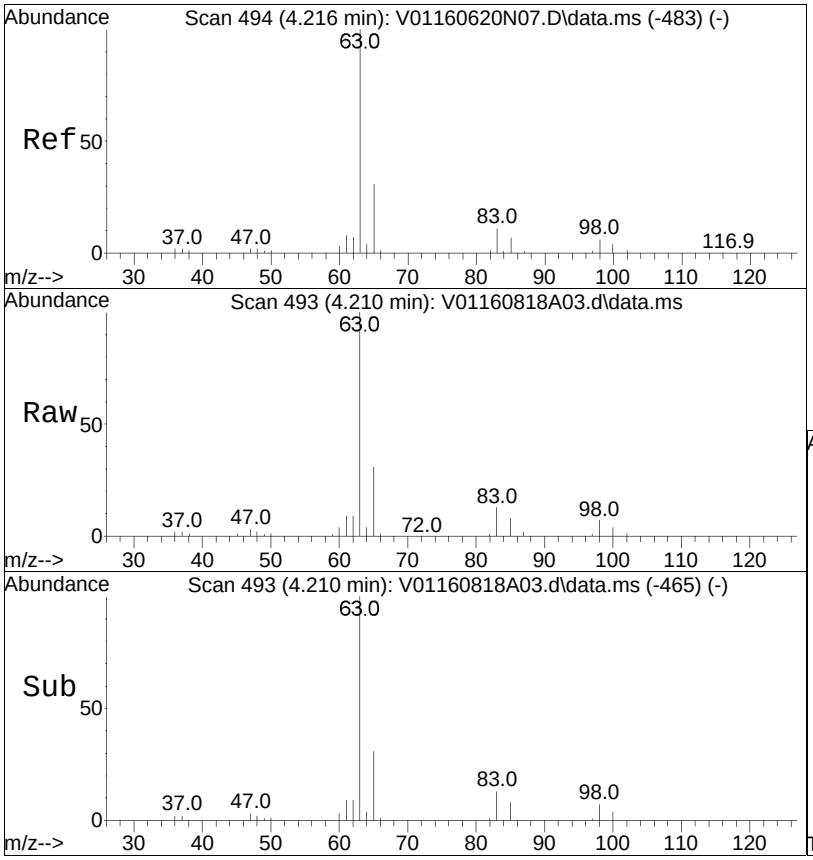


#22
Diisopropyl ether
Concen: 8.71 ug/L
RT: 4.068 min Scan# 467
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 45 Resp: 329799

Ion	Ratio	Lower	Upper
45	100		
43	49.1	32.0	66.6
87	20.4	13.2	27.4
41	16.8	11.4	23.6

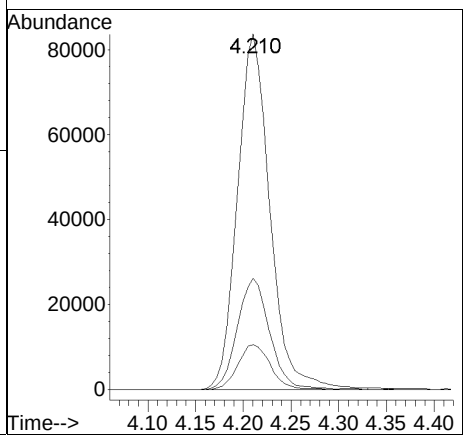


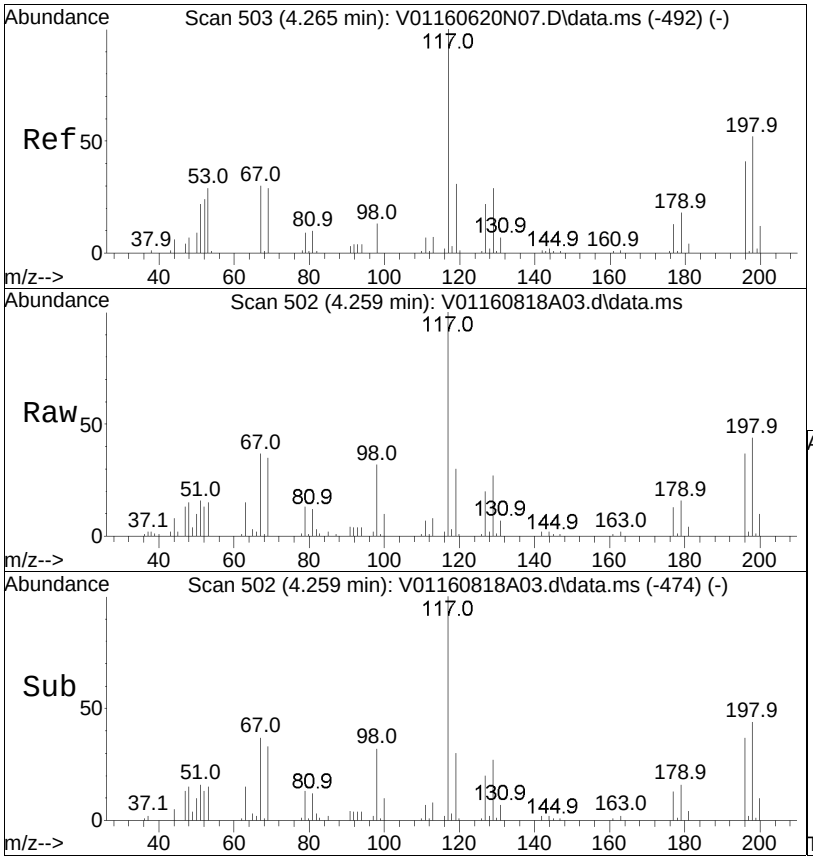


#23
1,1-Dichloroethane
Concen: 9.80 ug/L
RT: 4.210 min Scan# 493
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 63 Resp: 197788

Ion	Ratio	Lower	Upper
63	100		
65	31.0	10.2	50.2
83	12.6	0.0	32.3

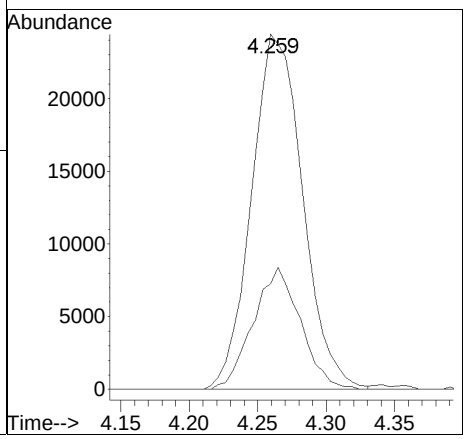


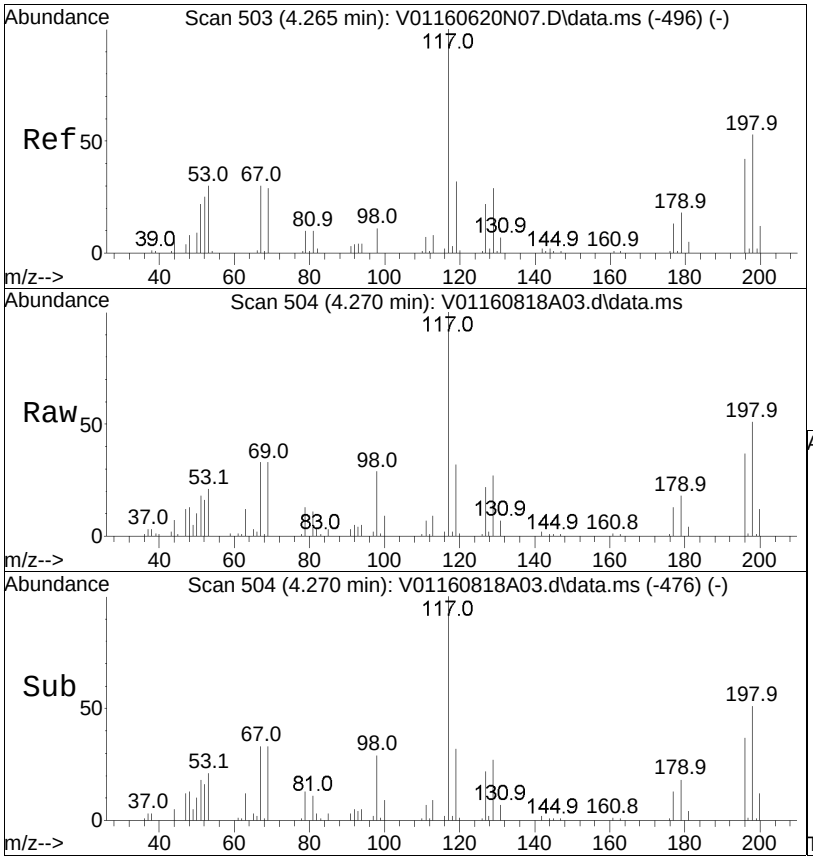


#24
Halothane
Concen: 9.12 ug/L
RT: 4.259 min Scan# 502
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:117 Resp: 63408

Ion	Ratio	Lower	Upper
117	100		
119	31.7	20.6	42.8

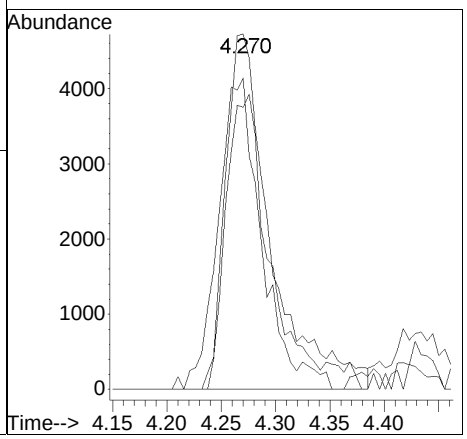


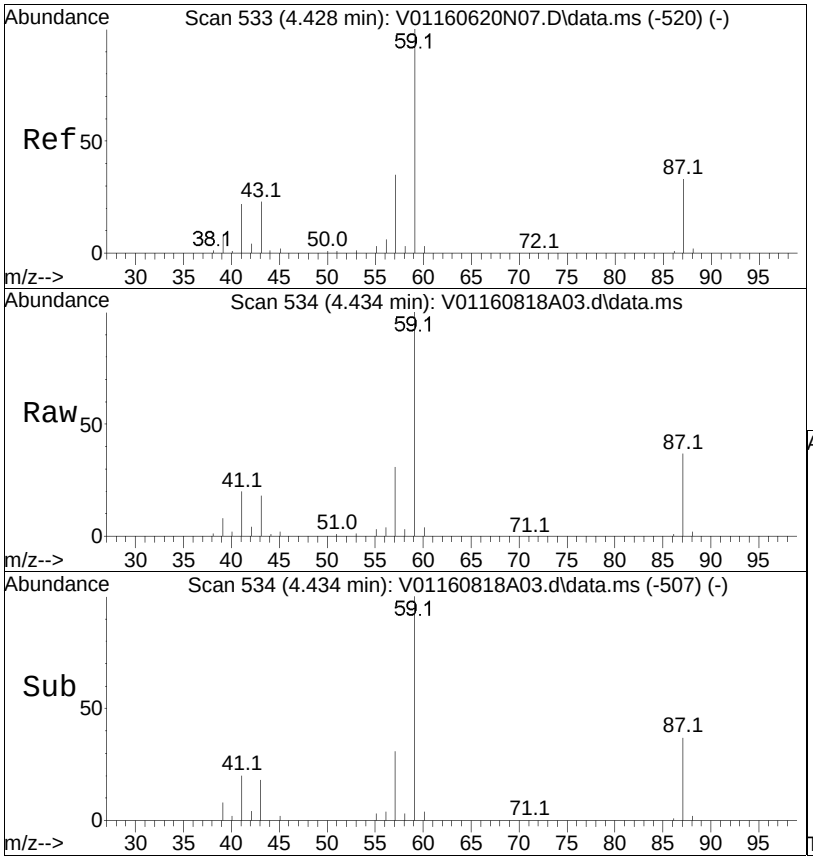


#25
Acrylonitrile
Concen: 7.66 ug/L
RT: 4.270 min Scan# 504
Delta R.T. 0.005 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 53 Resp: 13798

Ion	Ratio	Lower	Upper
53	100		
52	77.0	67.3	100.9
51	80.7	60.4	90.6

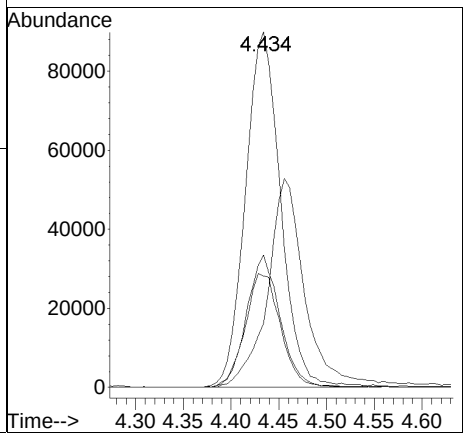


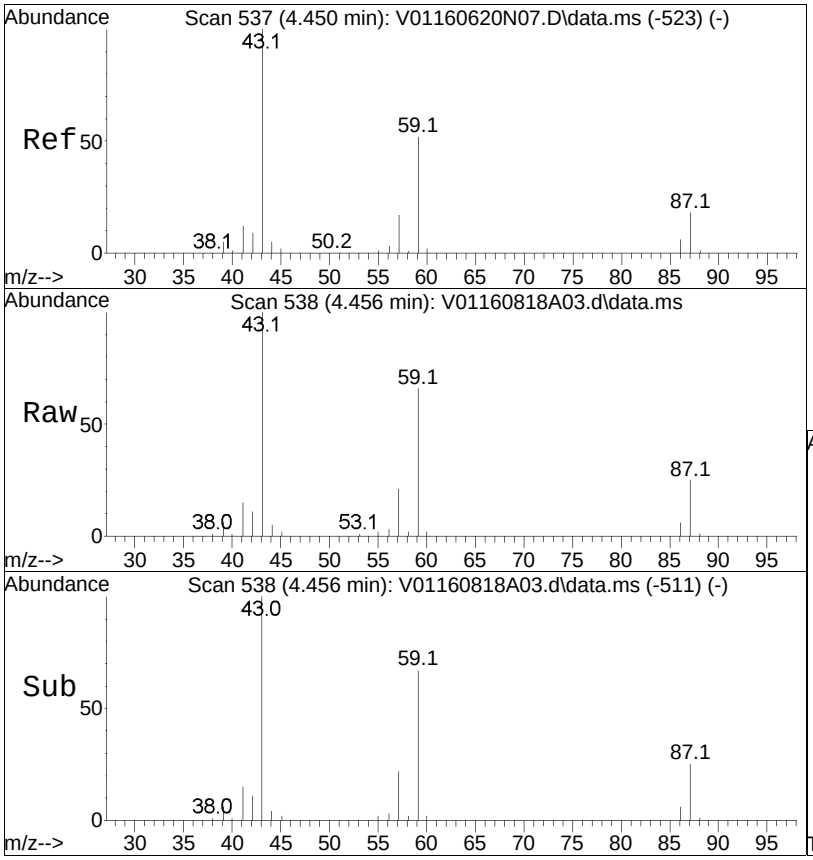


#26
Ethyl tert-butyl ether
Concen: 7.70 ug/L
RT: 4.434 min Scan# 534
Delta R.T. -0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 59 Resp: 230896

Ion	Ratio	Lower	Upper
59	100		
87	35.7	24.4	50.8
57	32.1	20.7	43.1
43	61.9	41.5	86.3

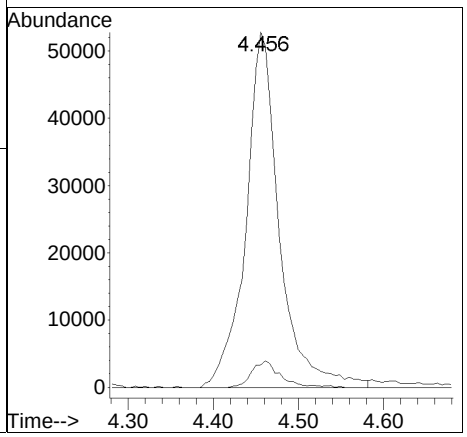


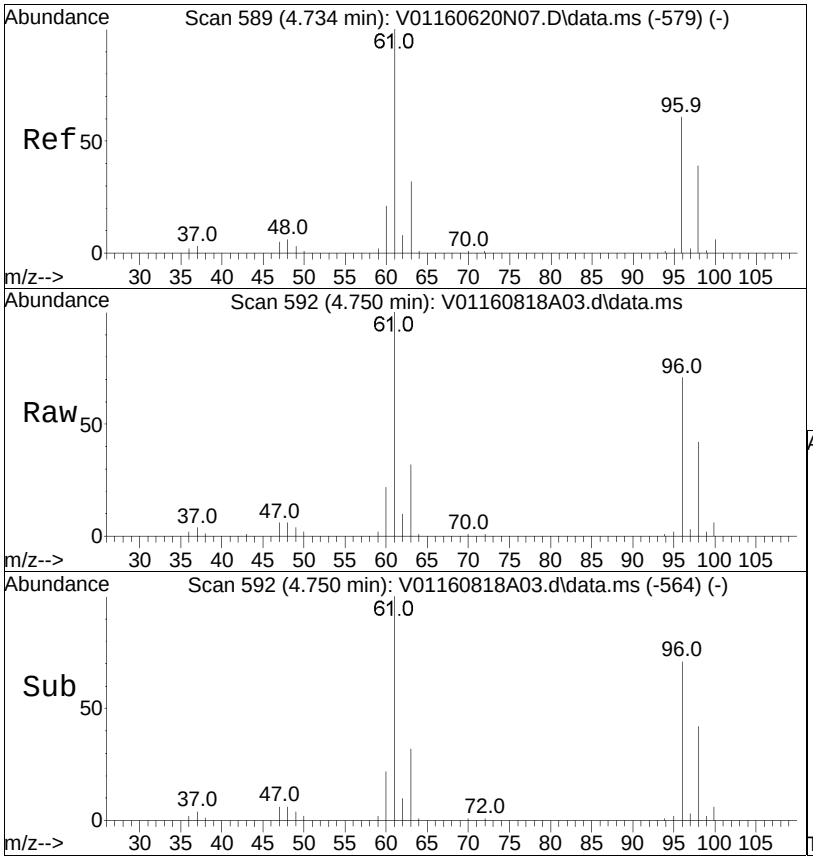


#27
Vinyl acetate
Concen: 7.93 ug/L
RT: 4.456 min Scan# 538
Delta R.T. -0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 43 Resp: 144902

Ion	Ratio	Lower	Upper
43	100		
86	6.4	4.7	7.1

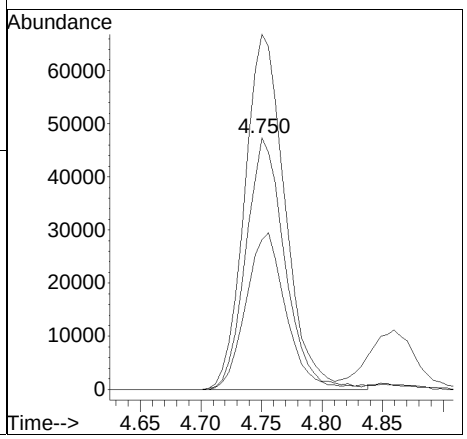


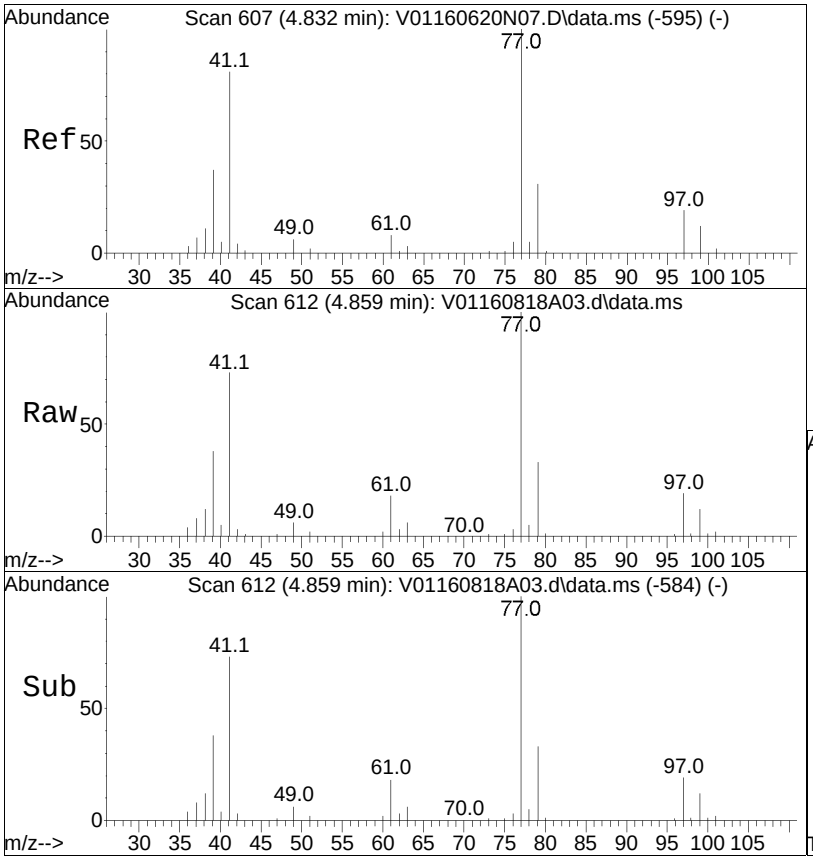


#28
cis-1,2-Dichloroethene
Concen: 9.50 ug/L
RT: 4.750 min Scan# 592
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 96 Resp: 106276

Ion	Ratio	Lower	Upper
96	100		
61	145.0	112.2	168.2
98	63.7	51.0	76.4

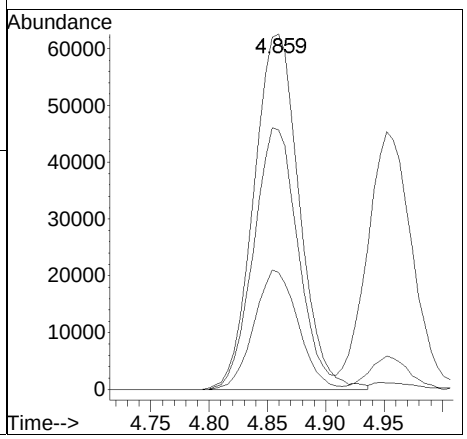


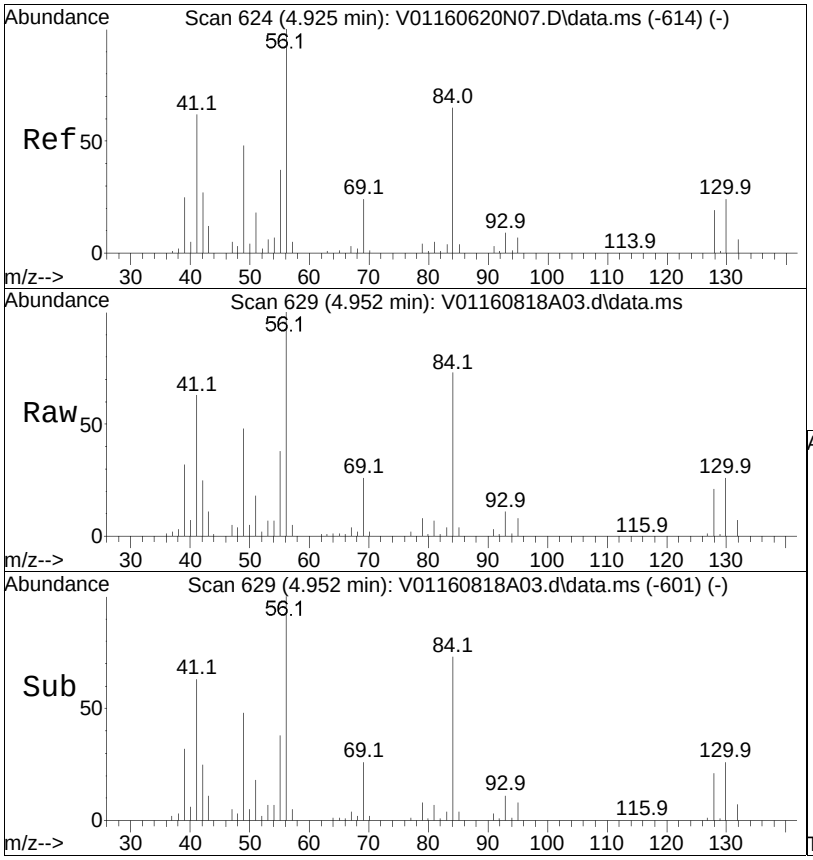


#29
2,2-Dichloropropane
Concen: 10.71 ug/L
RT: 4.859 min Scan# 612
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 77 Resp: 169566

Ion	Ratio	Lower	Upper
77	100		
41	71.9	50.4	104.6
79	32.5	21.0	43.6

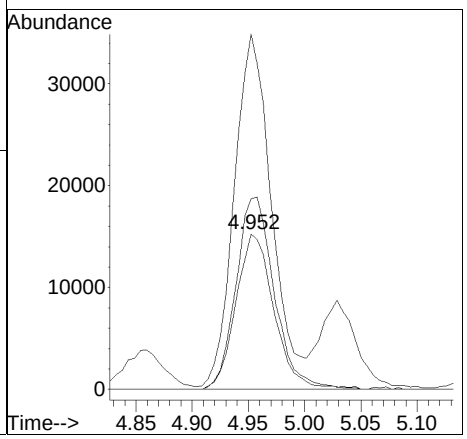


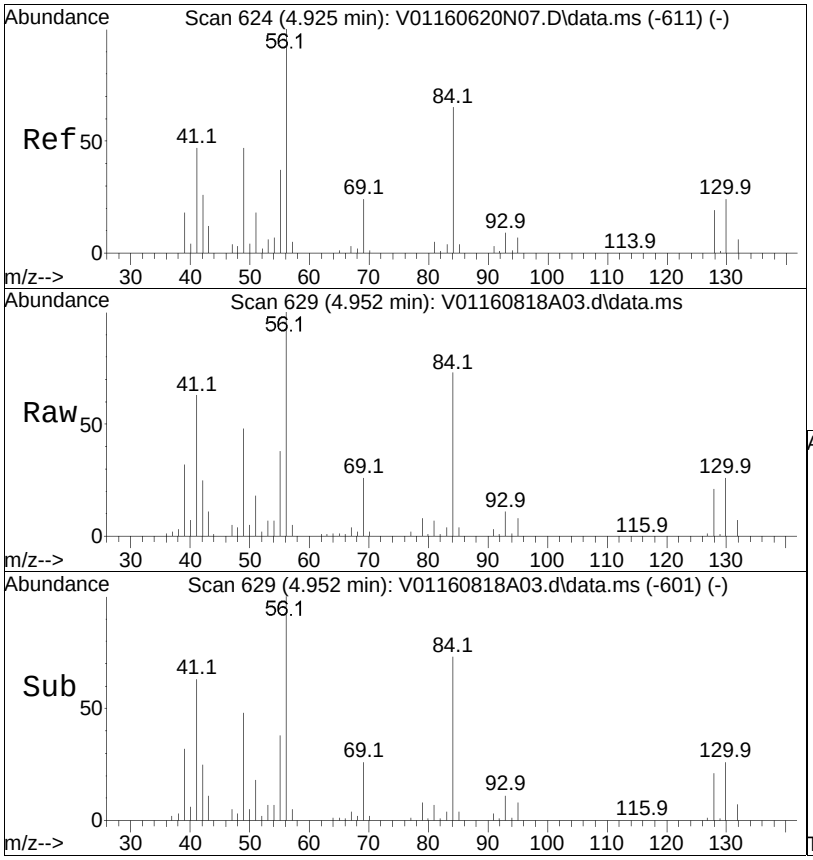


#30
Bromochloromethane
Concen: 8.91 ug/L
RT: 4.952 min Scan# 629
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:128 Resp: 35932

Ion	Ratio	Lower	Upper
128	100		
49	220.7	164.2	246.4
130	124.7	104.2	156.2

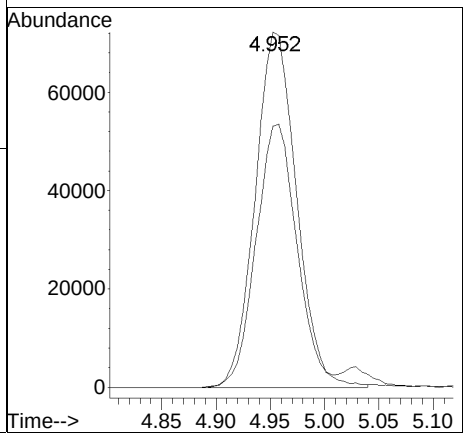


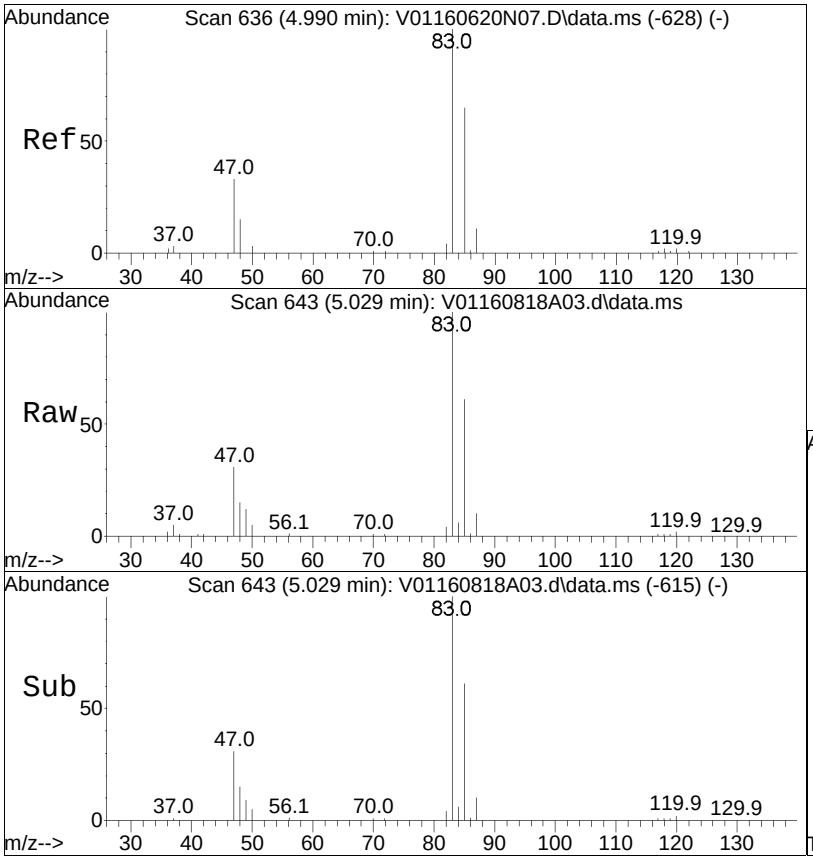


#31
Cyclohexane
Concen: 9.22 ug/L
RT: 4.952 min Scan# 629
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 56 Resp: 191622

Ion	Ratio	Lower	Upper
56	100		
84	73.3	48.8	101.3

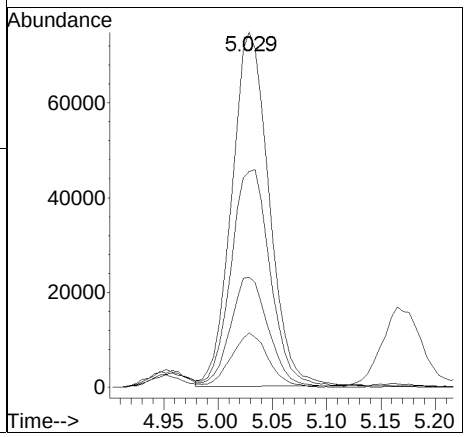


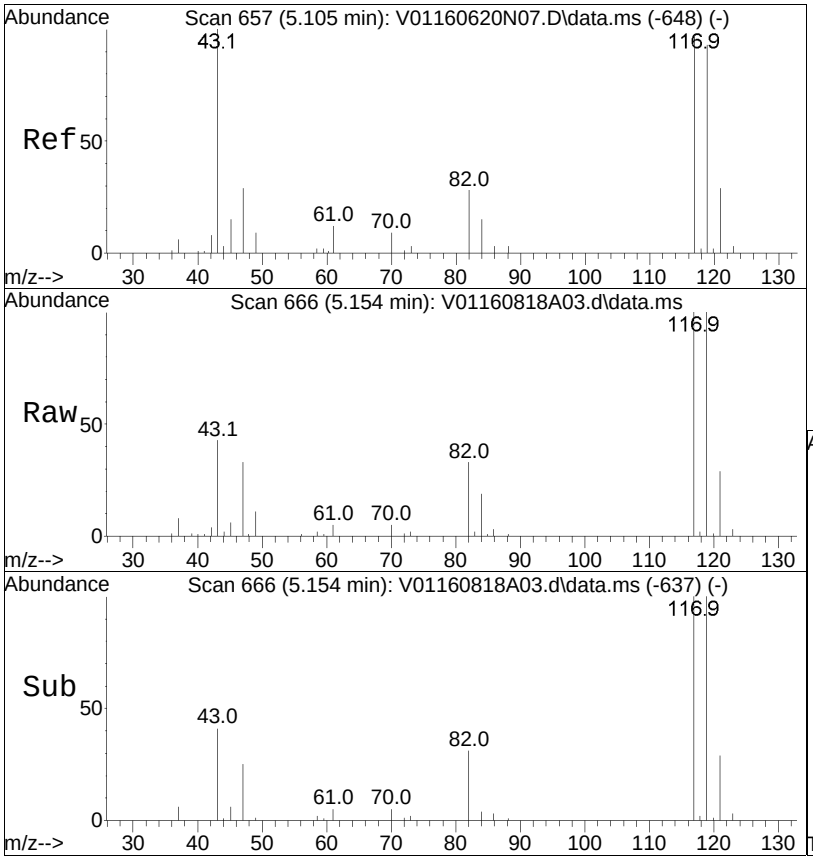


#32
Chloroform
Concen: 9.44 ug/L
RT: 5.029 min Scan# 643
Delta R.T. 0.001 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 83 Resp: 178703

Ion	Ratio	Lower	Upper
83	100		
85	64.7	42.3	87.9
47	31.3	20.5	42.7
48	15.4	9.8	20.4

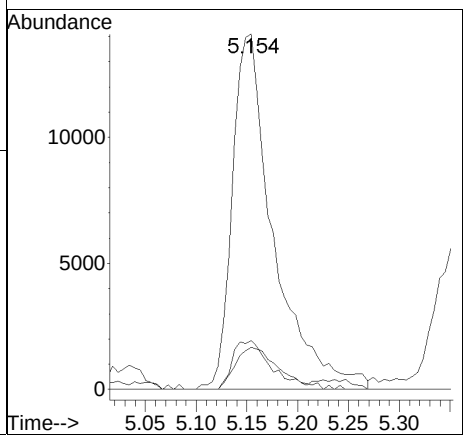


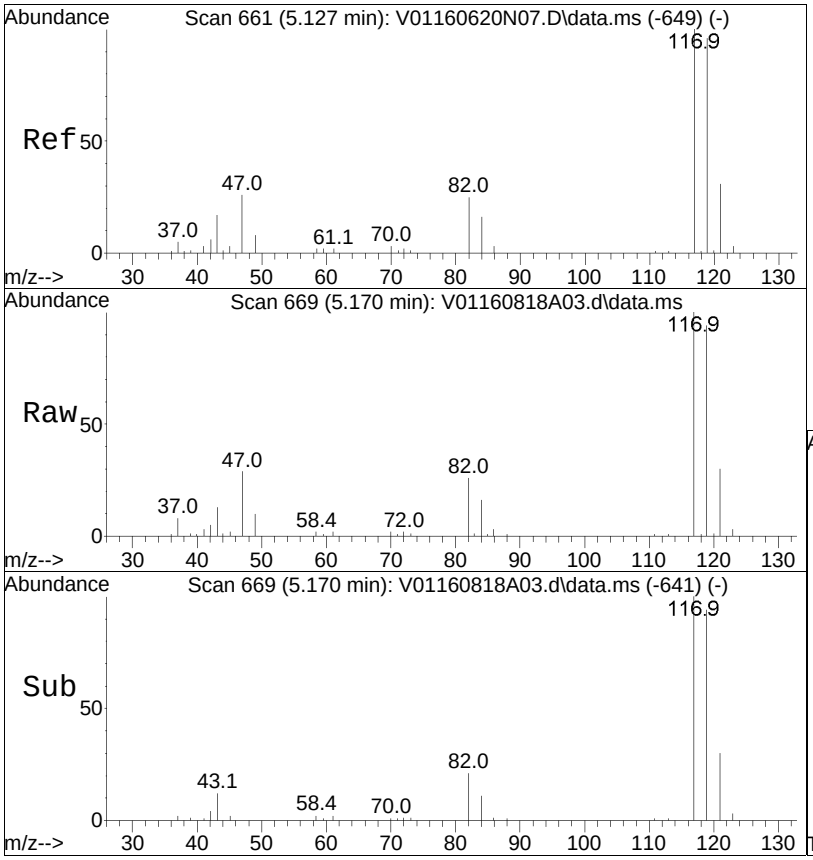


#33
Ethyl acetate
Concen: 7.36 ug/L
RT: 5.154 min Scan# 666
Delta R.T. 0.005 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 43 Resp: 39821

Ion	Ratio	Lower	Upper
43	100		
45	13.3	10.1	15.1
70	12.0	8.1	12.1

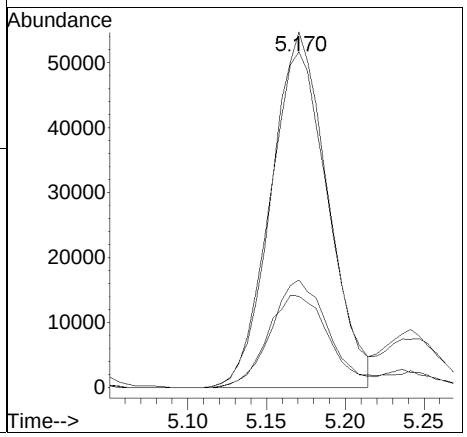


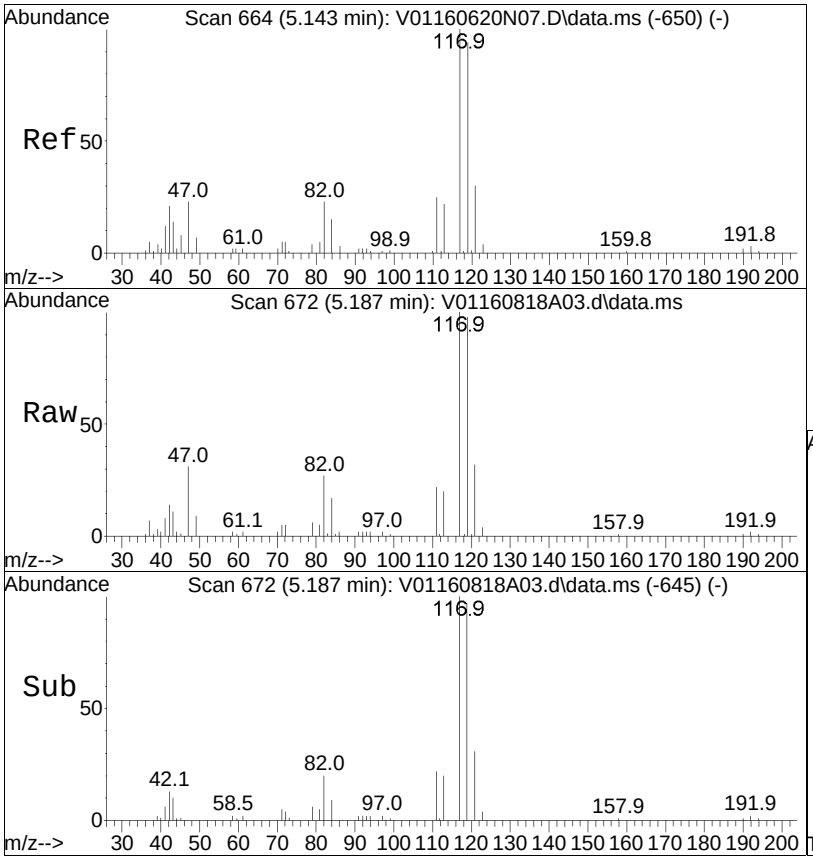


#34
Carbon tetrachloride
Concen: 9.14 ug/L
RT: 5.170 min Scan# 669
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:117 Resp: 137617

Ion	Ratio	Lower	Upper
117	100		
119	96.0	62.7	130.3
121	30.5	20.0	41.6
82	28.3	16.7	34.7

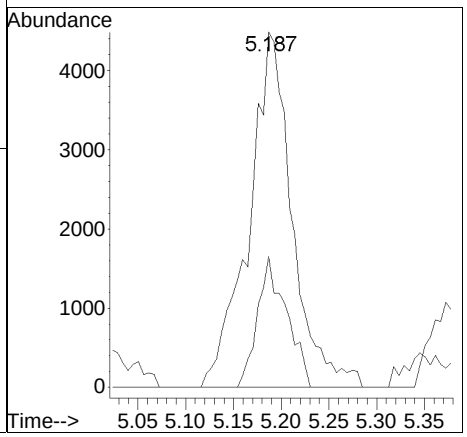


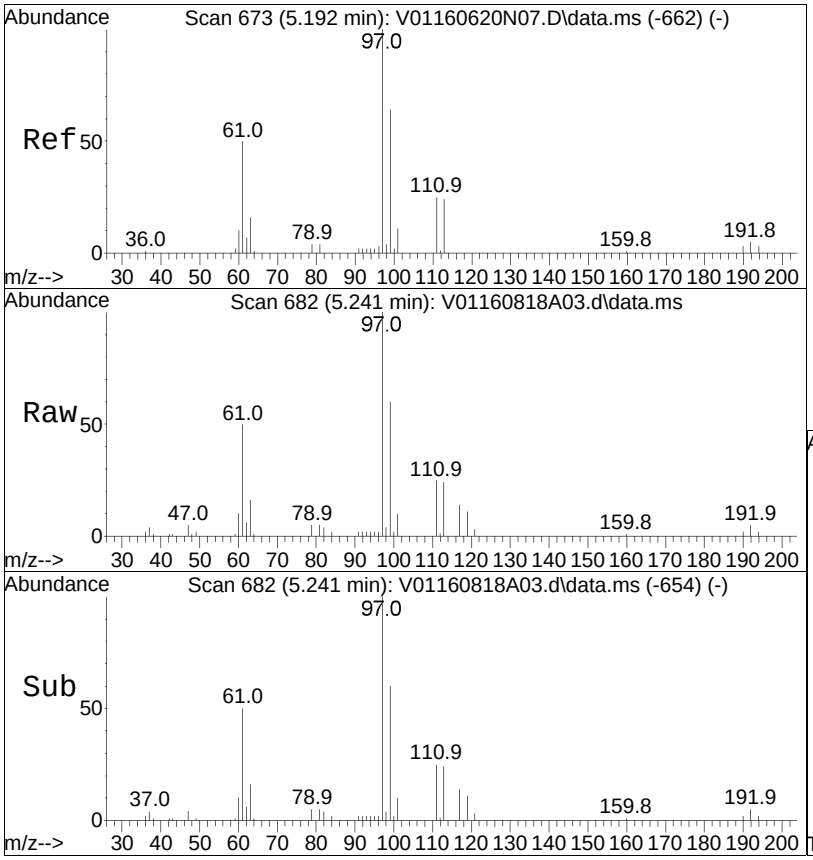


#35
Tetrahydrofuran
Concen: 7.52 ug/L
RT: 5.187 min Scan# 672
Delta R.T. -0.005 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 42 Resp: 14159

Ion	Ratio	Lower	Upper
42	100		
71	24.7	18.5	27.7

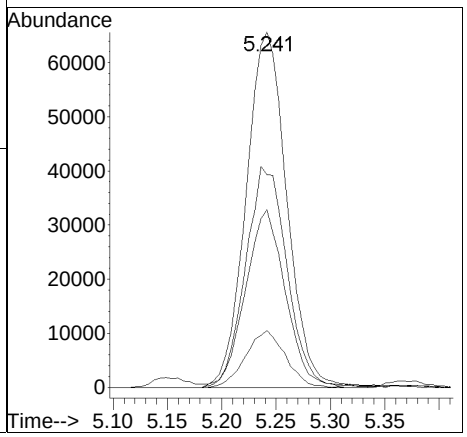


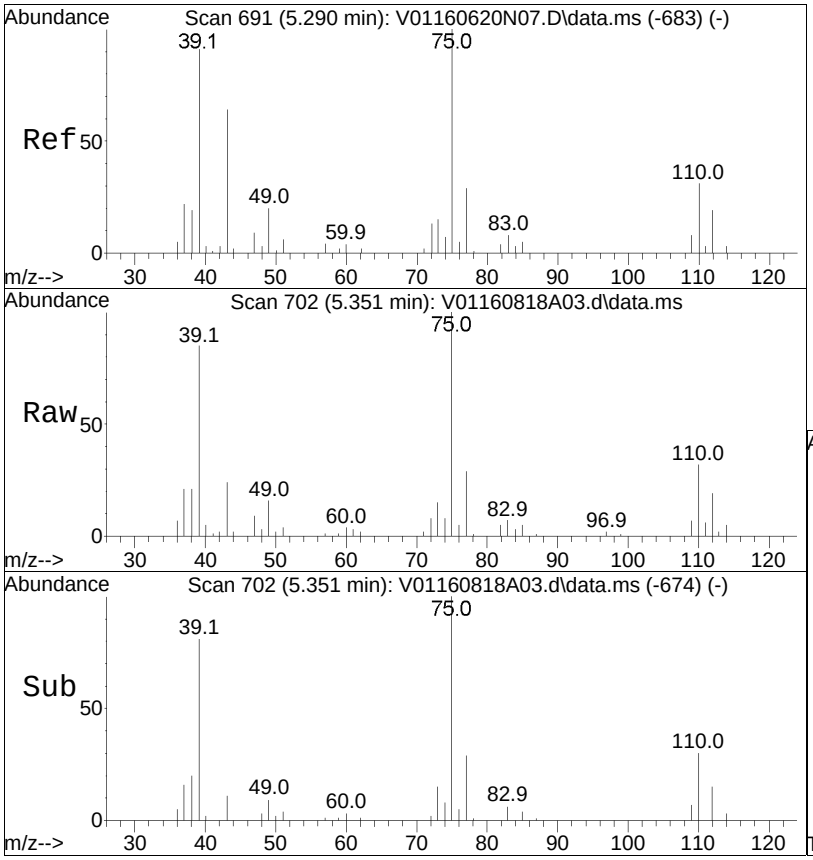


#37
1,1,1-Trichloroethane
Concen: 9.59 ug/L
RT: 5.241 min Scan# 682
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 97 Resp: 171486

Ion	Ratio	Lower	Upper
97	100		
99	63.2	41.7	86.7
61	48.4	30.9	64.3
63	15.6	9.8	20.3

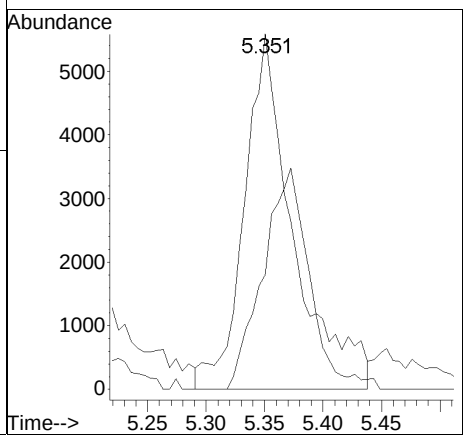


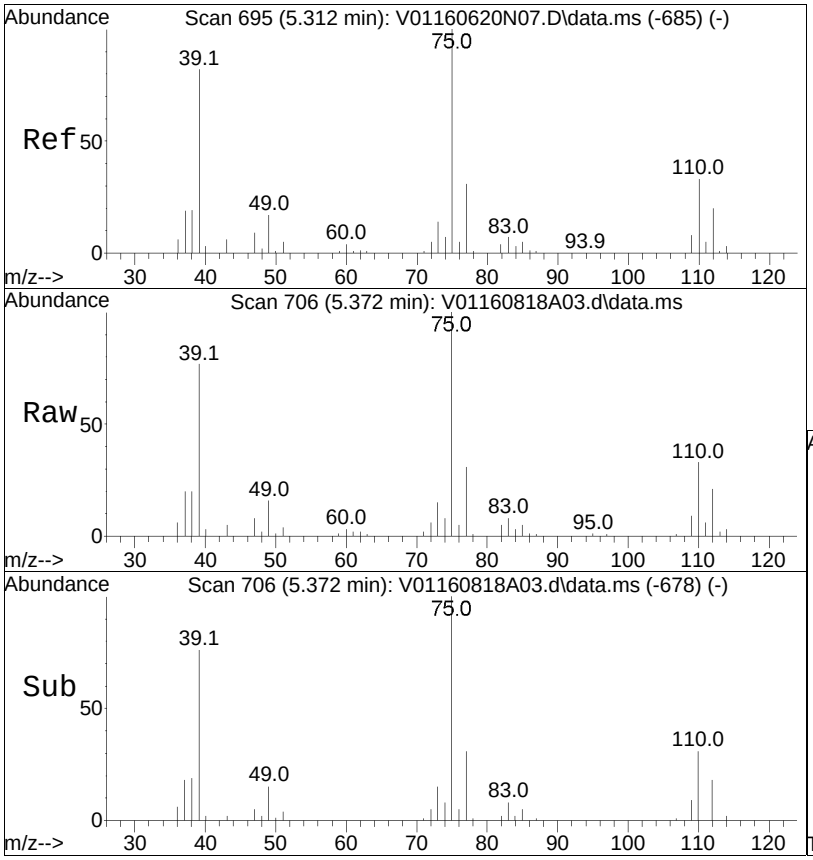


#39
2-Butanone
Concen: 8.49 ug/L M1
RT: 5.351 min Scan# 702
Delta R.T. 0.001 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 43 Resp: 16344

Ion	Ratio	Lower	Upper
43	100		
72	58.9	32.0	48.0#

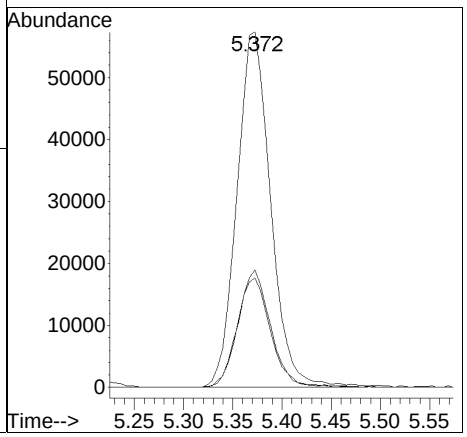


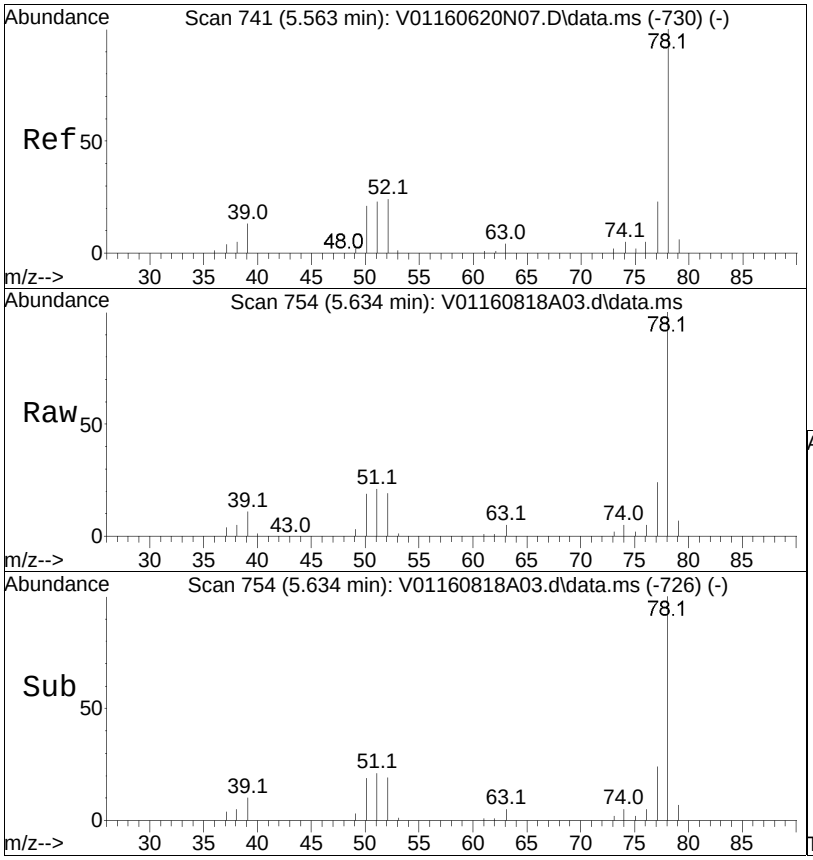


#40
1,1-Dichloropropene
Concen: 9.54 ug/L
RT: 5.372 min Scan# 706
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 75 Resp: 137129

Ion	Ratio	Lower	Upper
75	100		
110	31.7	23.0	47.8
77	30.6	20.2	42.0

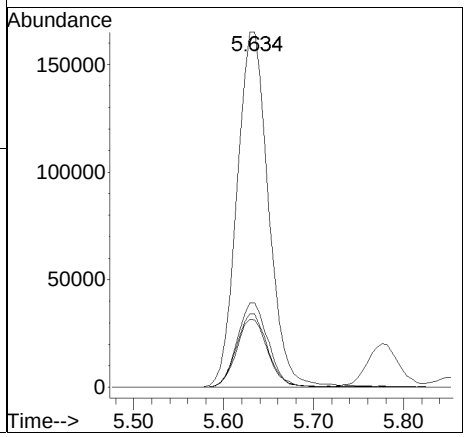


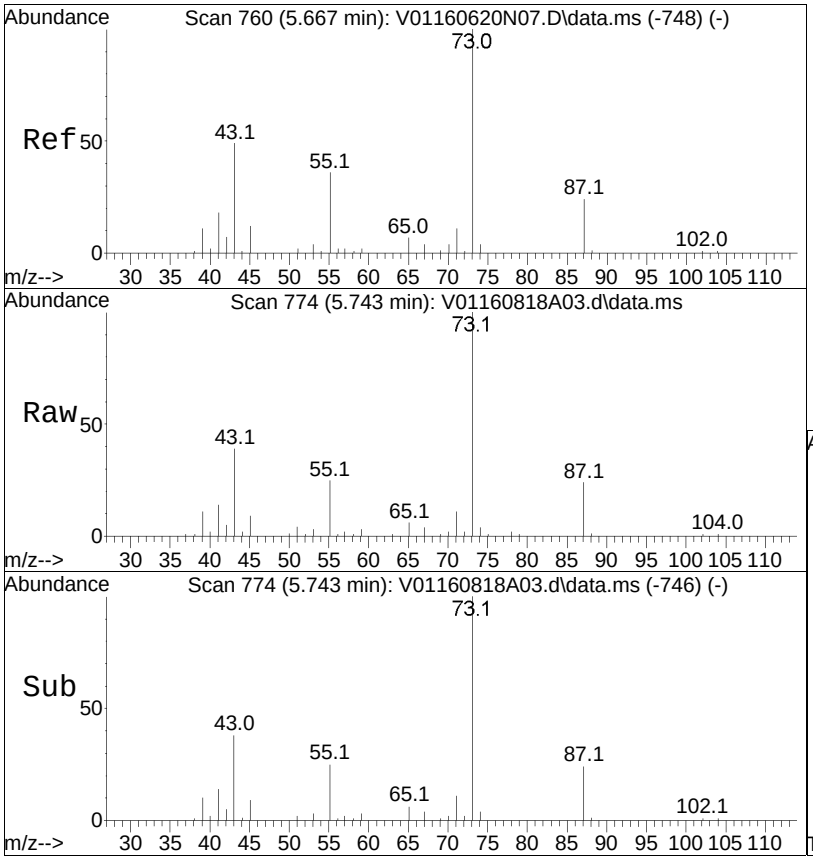


#41
Benzene
Concen: 9.50 ug/L
RT: 5.634 min Scan# 754
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 78 Resp: 403353

Ion	Ratio	Lower	Upper
78	100		
77	23.6	15.3	31.7
51	20.5	13.7	28.4
52	19.1	12.9	26.7

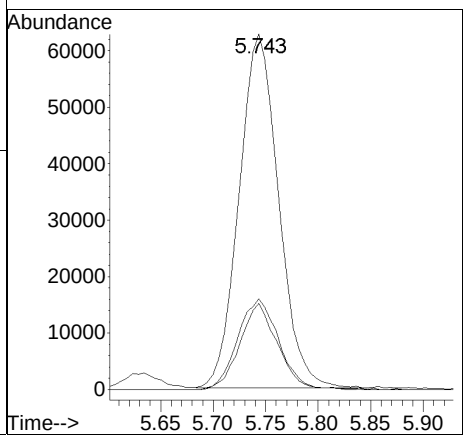


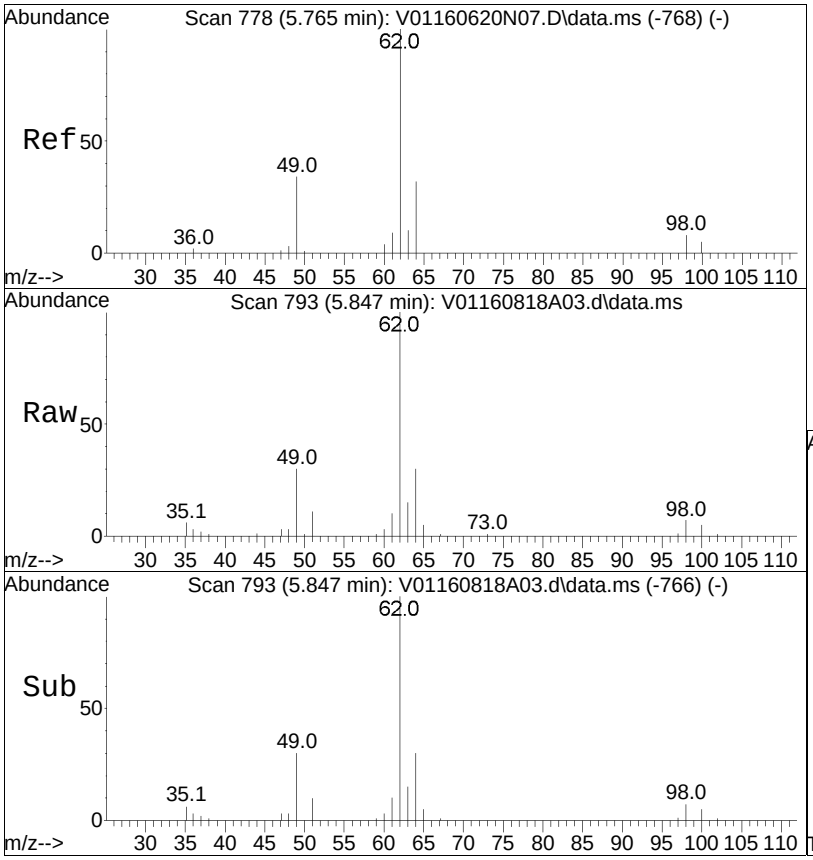


#42
tert-Amyl methyl ether
Concen: 7.28 ug/L
RT: 5.743 min Scan# 774
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 73 Resp: 163874

Ion	Ratio	Lower	Upper
73	100		
55	26.5	20.3	42.3
87	23.1	15.9	32.9

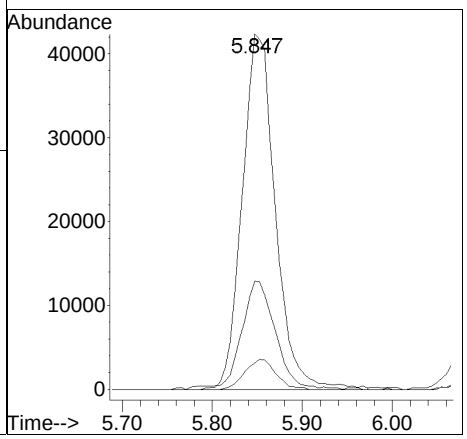


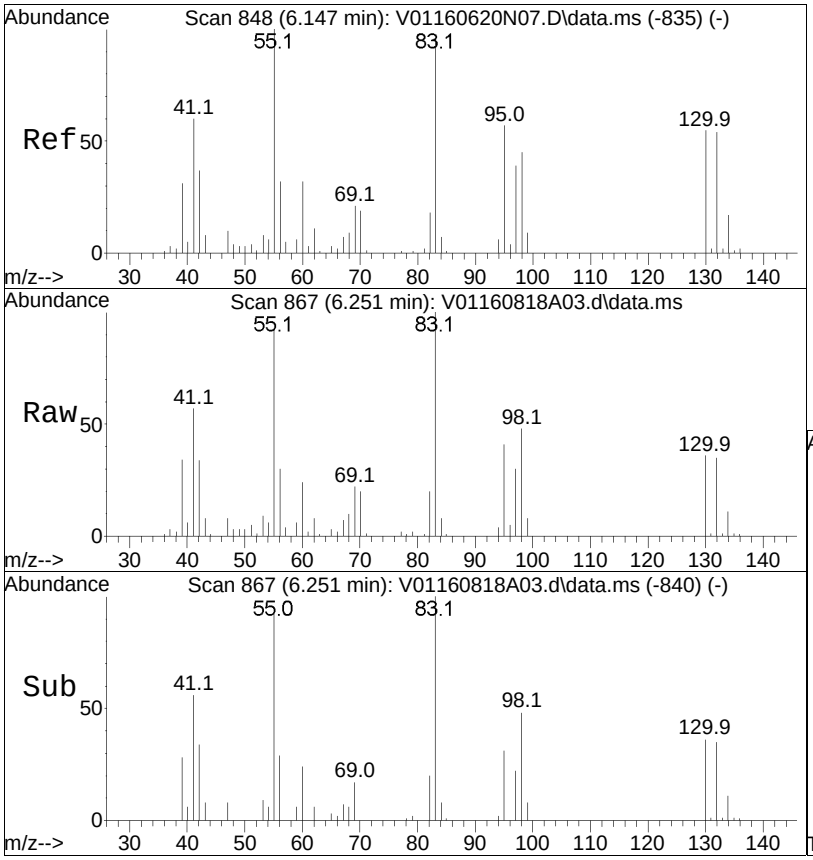


#44
1,2-Dichloroethane
Concen: 8.58 ug/L
RT: 5.847 min Scan# 793
Delta R.T. -0.005 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 62 Resp: 108287

Ion	Ratio	Lower	Upper
62	100		
64	30.8	12.2	52.2
98	7.9	0.0	28.3

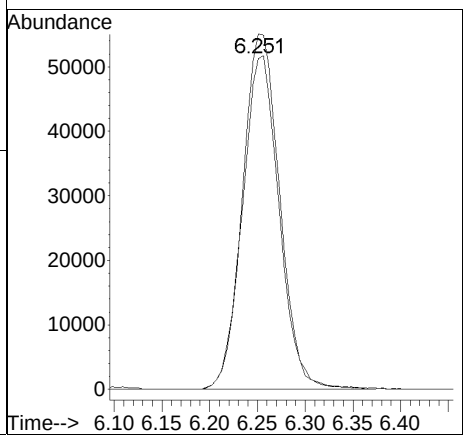


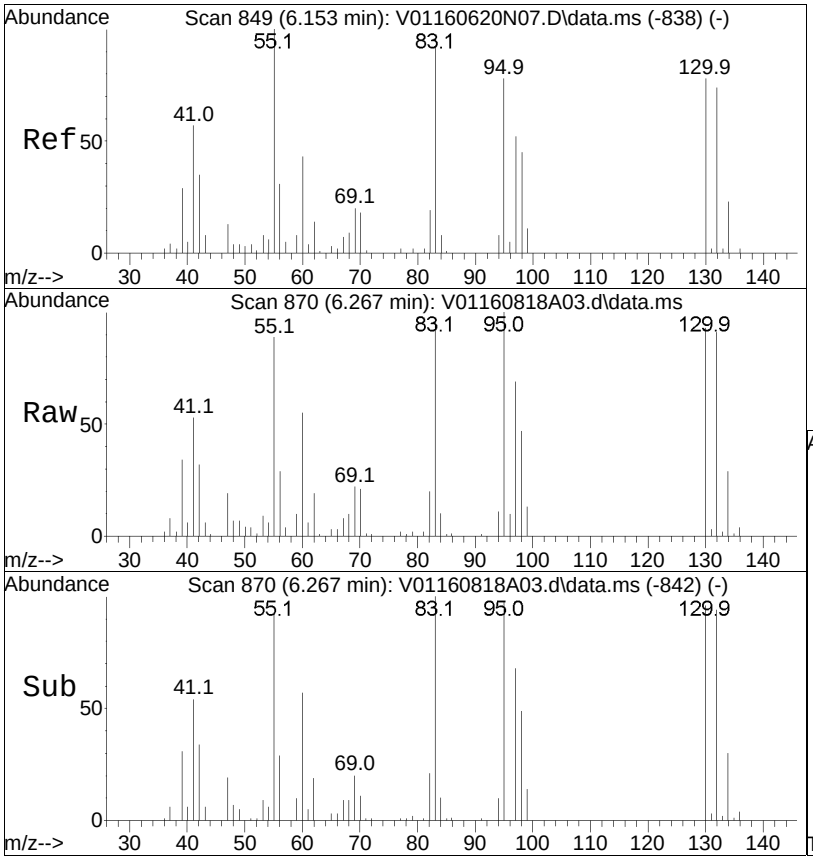


#47
Methyl cyclohexane
Concen: 8.65 ug/L
RT: 6.251 min Scan# 867
Delta R.T. -0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 83 Resp: 149503

Ion	Ratio	Lower	Upper
83	100		
55	92.9	74.0	111.0

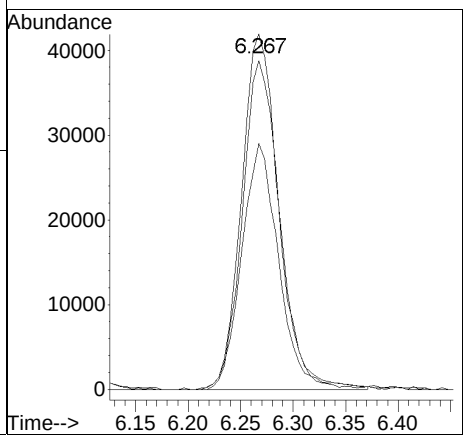


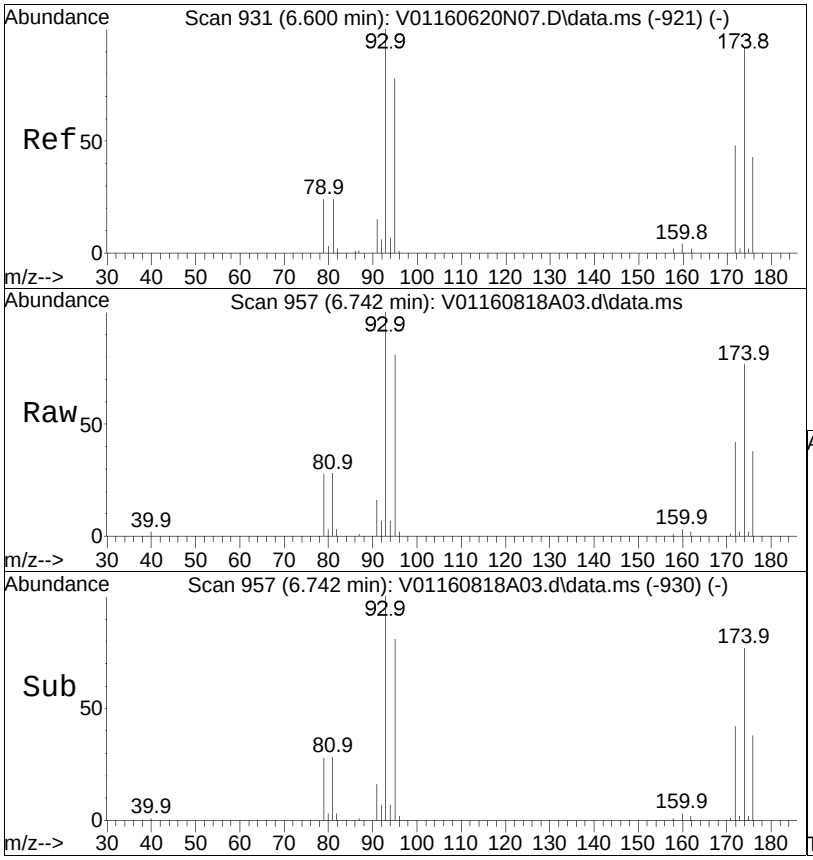


#48
Trichloroethene
Concen: 9.20 ug/L
RT: 6.267 min Scan# 870
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 95 Resp: 104155

Ion	Ratio	Lower	Upper
95	100		
97	68.5	55.2	82.8
130	92.0	81.2	121.8

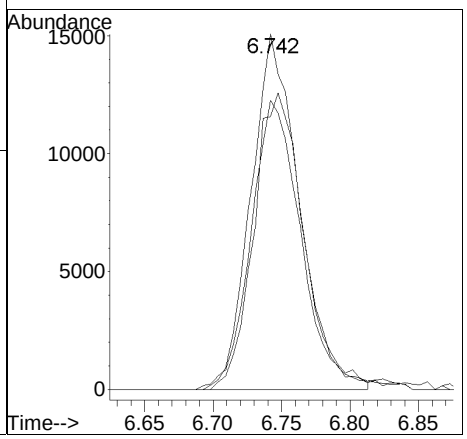


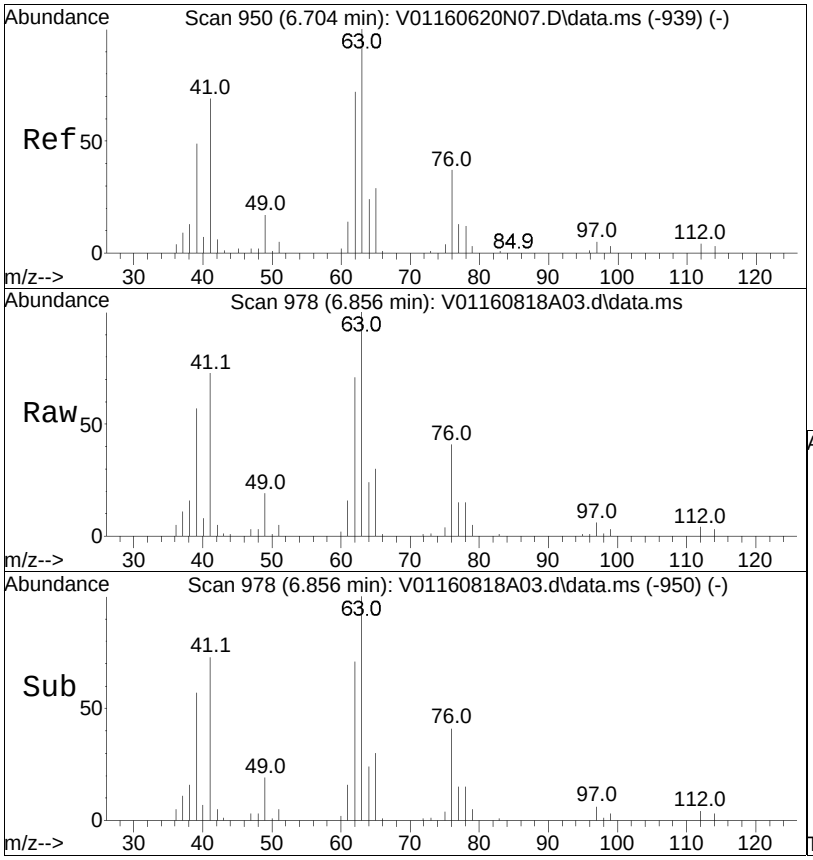


#50
Dibromomethane
Concen: 8.13 ug/L
RT: 6.742 min Scan# 957
Delta R.T. -0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 93 Resp: 37118

Ion	Ratio	Lower	Upper
93	100		
95	84.7	67.0	100.6
174	86.7	75.4	113.0

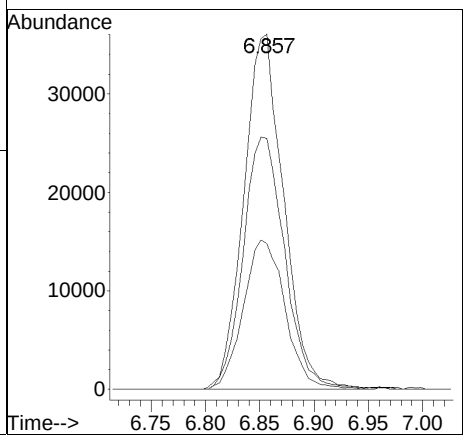


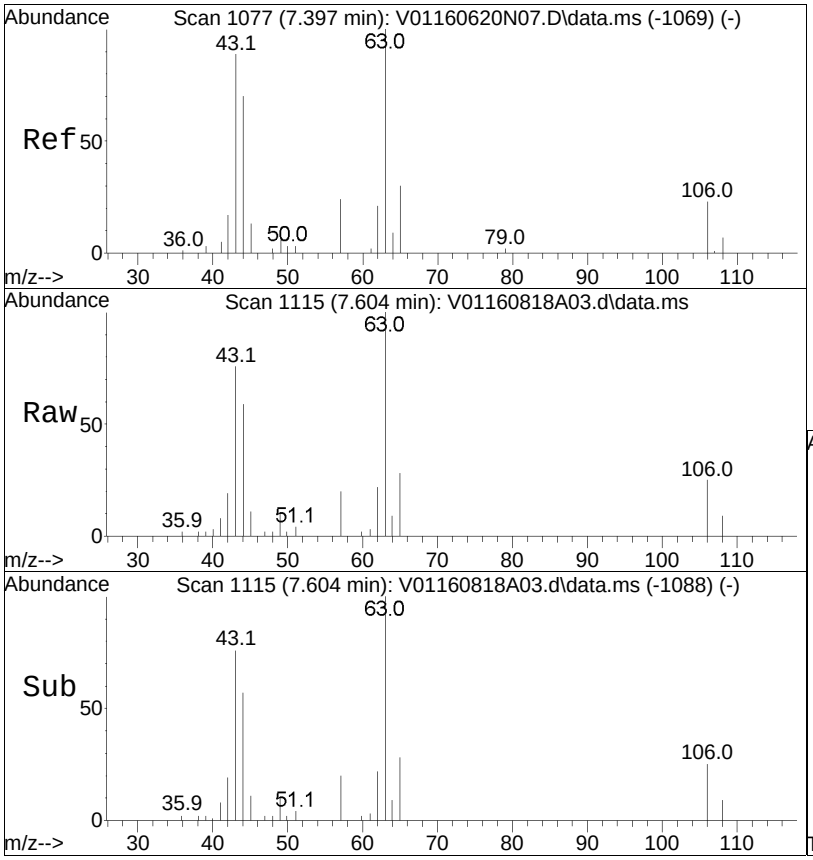


#51
1,2-Dichloropropane
Concen: 9.18 ug/L
RT: 6.856 min Scan# 978
Delta R.T. 0.005 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 63 Resp: 92463

Ion	Ratio	Lower	Upper
63	100		
62	73.6	56.9	85.3
76	44.0	33.3	49.9

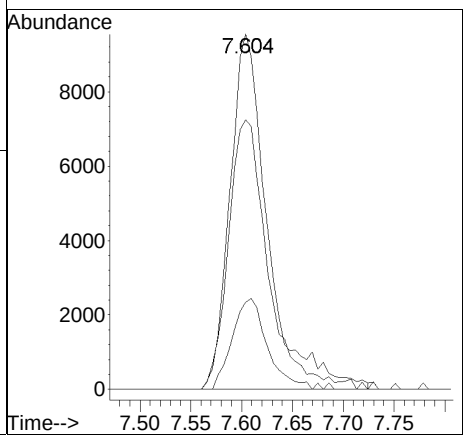


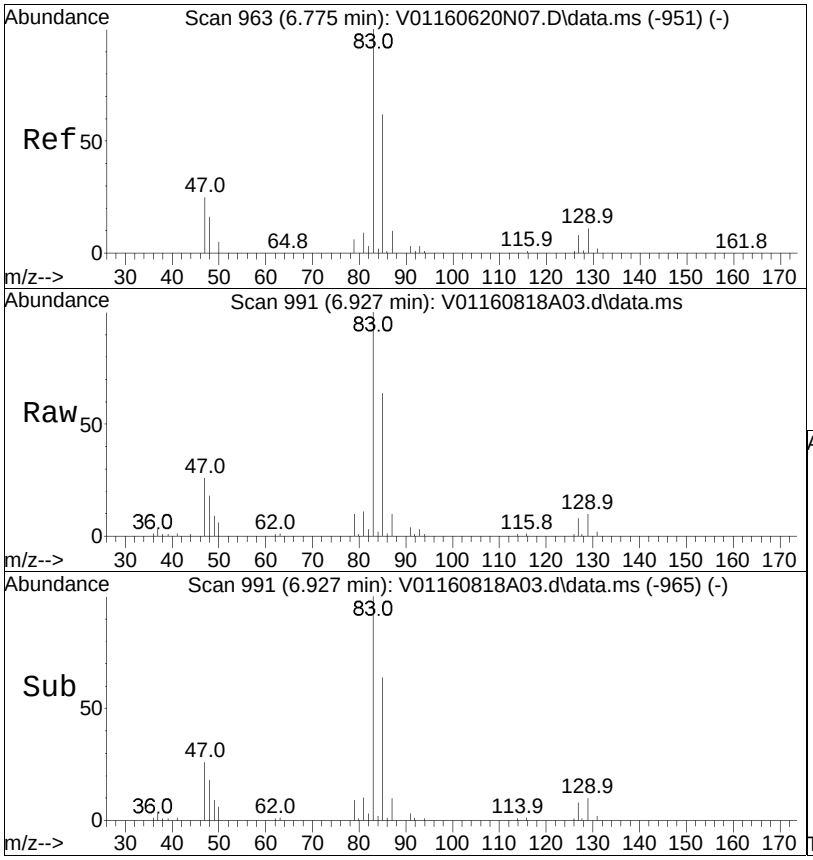


#53
2-Chloroethyl vinyl ether
Concen: 7.49 ug/L
RT: 7.604 min Scan# 1115
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 63 Resp: 24996

Ion	Ratio	Lower	Upper
63	100		
43	78.3	69.0	103.4
106	23.6	20.2	30.2

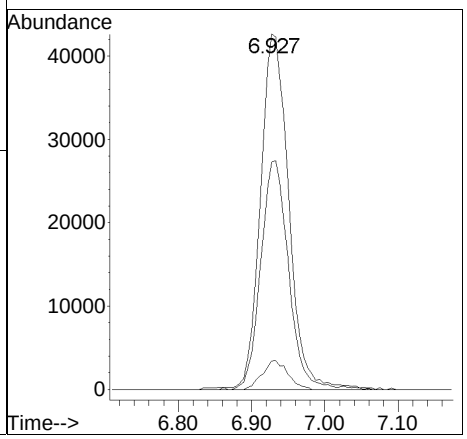


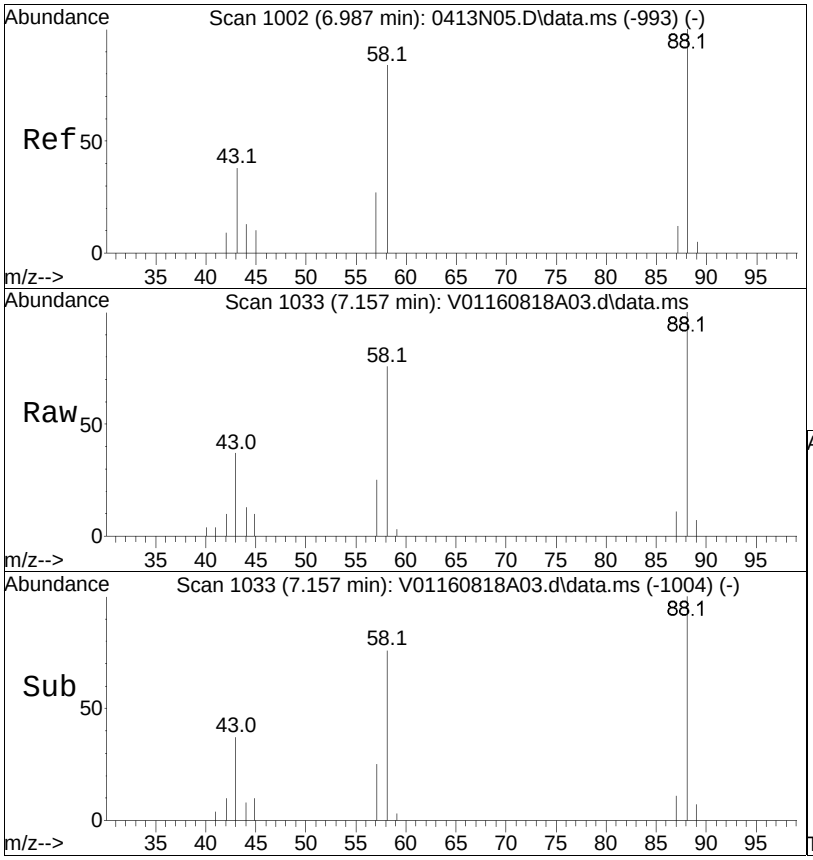


#54
Bromodichloromethane
Concen: 8.92 ug/L
RT: 6.927 min Scan# 991
Delta R.T. -0.006 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 83 Resp: 114613

Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.4	77.0
127	7.3	6.7	10.1

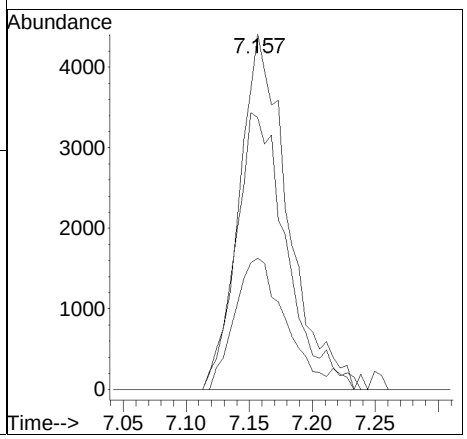


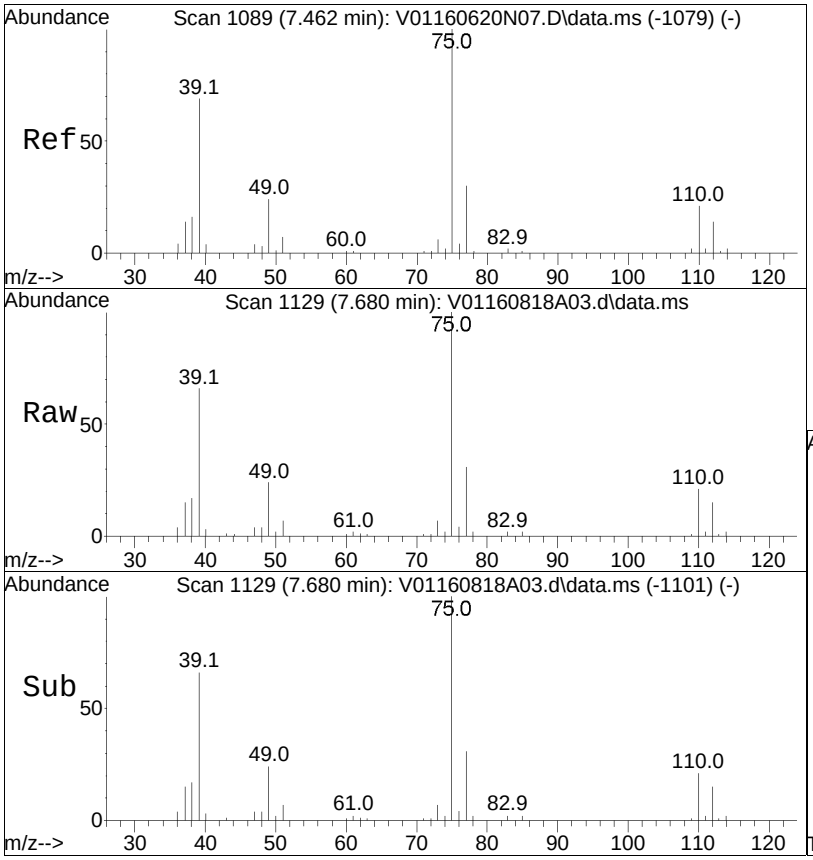


#57
1,4-Dioxane
Concen: 365.44 ug/L
RT: 7.157 min Scan# 1033
Delta R.T. 0.006 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 88 Resp: 11900

Ion	Ratio	Lower	Upper
88	100		
58	80.7	63.6	95.4
43	38.2	30.8	46.2

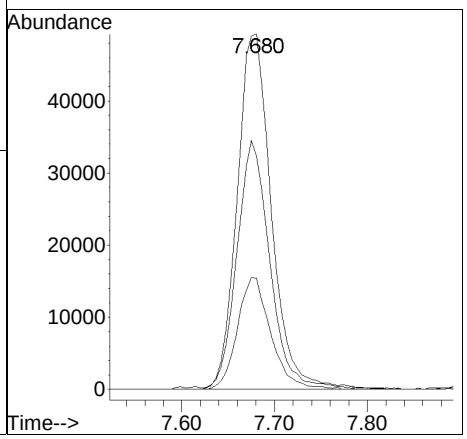


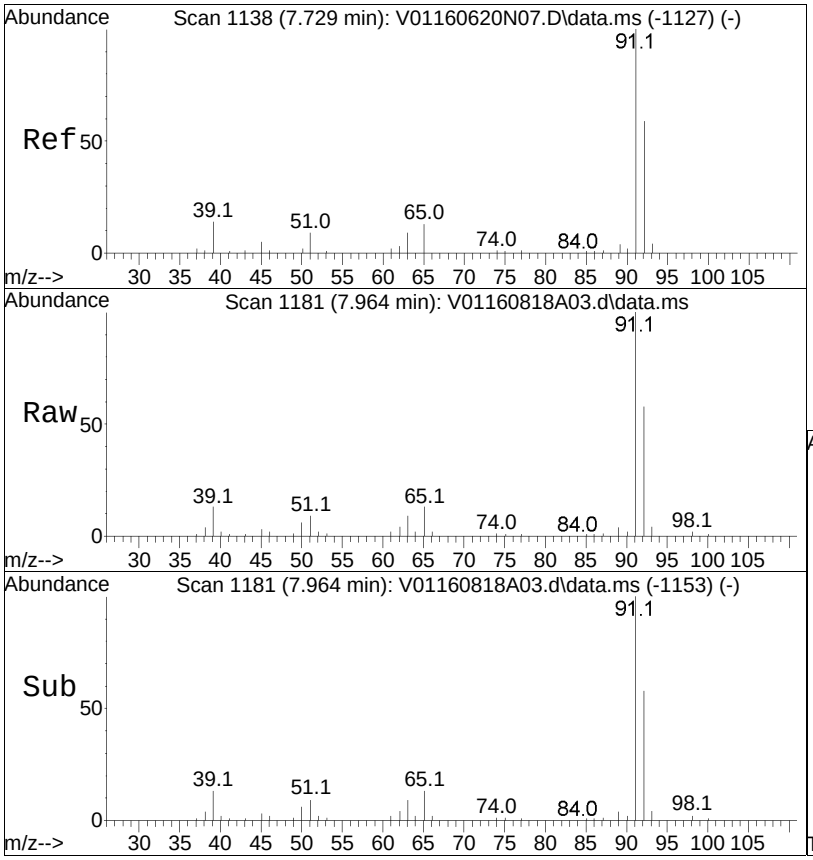


#58
cis-1,3-Dichloropropene
Concen: 8.72 ug/L
RT: 7.680 min Scan# 1129
Delta R.T. 0.005 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 75 Resp: 127058

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.0	37.4
39	66.1	56.1	84.1

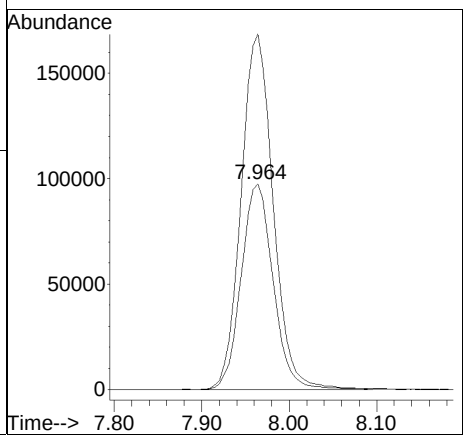


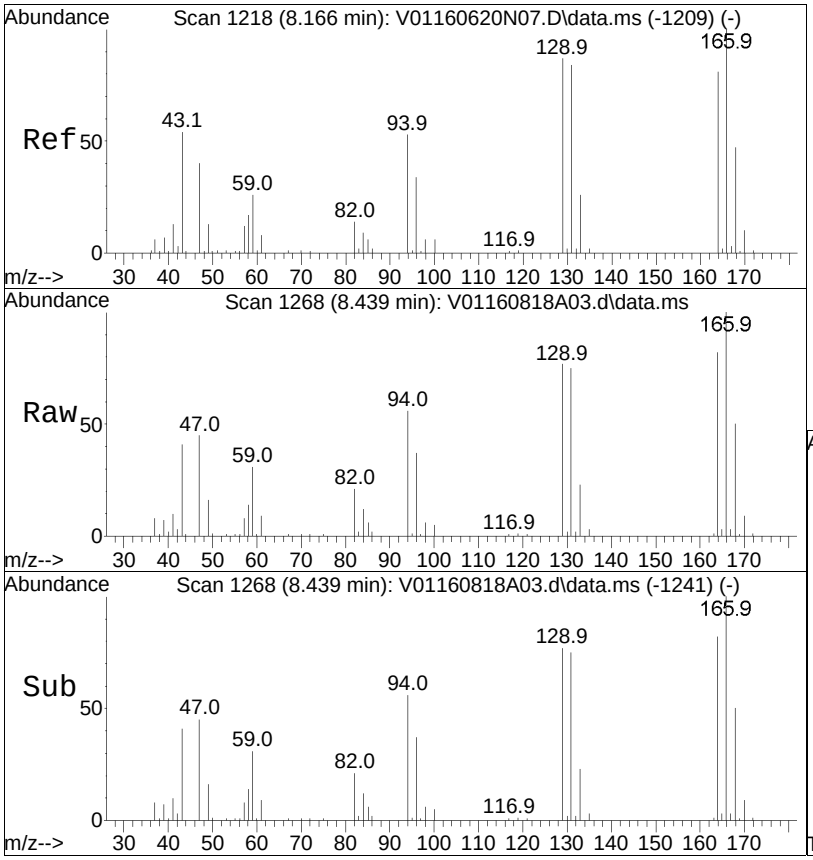


#61
Toluene
Concen: 9.68 ug/L
RT: 7.964 min Scan# 1181
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 92 Resp: 247286

Ion	Ratio	Lower	Upper
92	100		
91	173.3	135.4	203.0

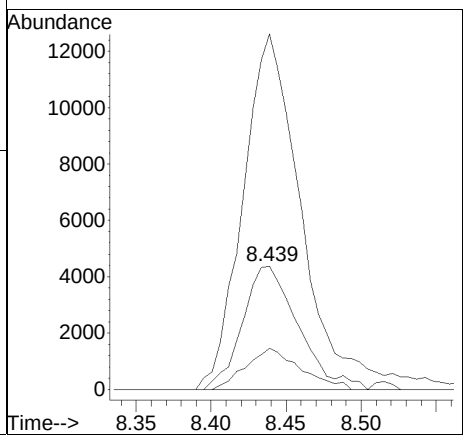


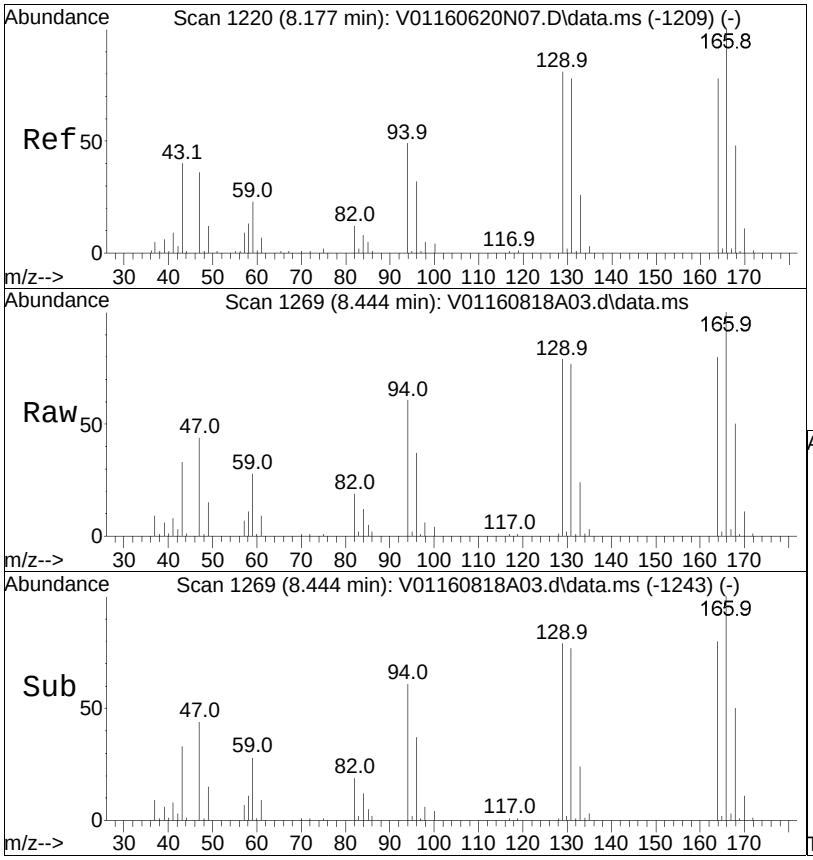


#62
4-Methyl-2-pentanone
Concen: 6.77 ug/L
RT: 8.439 min Scan# 1268
Delta R.T. -0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 58 Resp: 11283

Ion	Ratio	Lower	Upper
58	100		
100	32.8	28.1	42.1
43	308.4	251.4	377.2

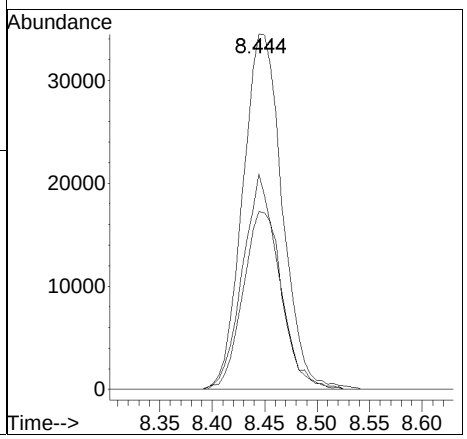


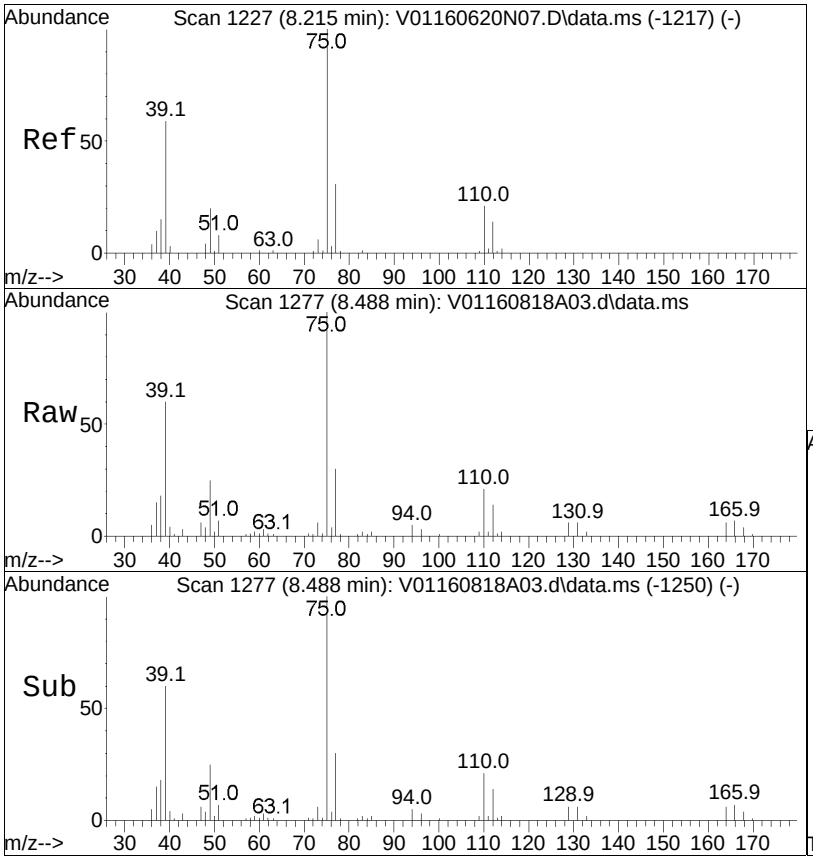


#63
Tetrachloroethene
Concen: 9.37 ug/L
RT: 8.444 min Scan# 1269
Delta R.T. -0.006 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:166 Resp: 90571

Ion	Ratio	Lower	Upper
166	100		
168	49.3	27.9	67.9
94	55.8	30.3	70.3

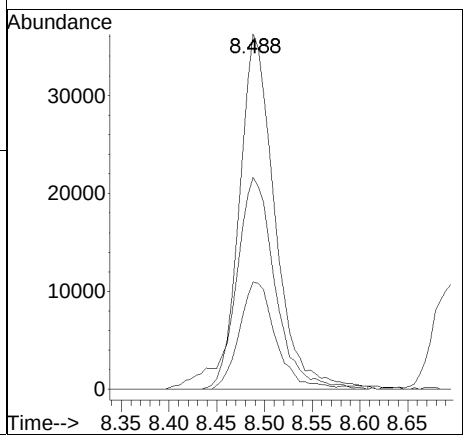


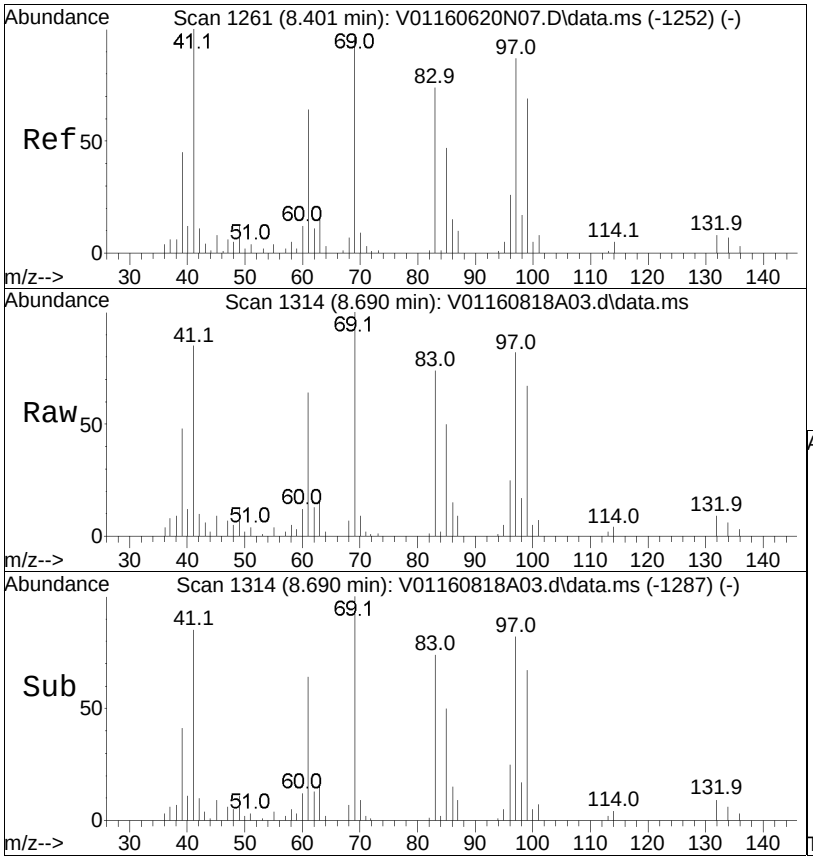


#65
trans-1,3-Dichloropropene
Concen: 8.32 ug/L
RT: 8.488 min Scan# 1277
Delta R.T. -0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 75 Resp: 93388

Ion	Ratio	Lower	Upper
75	100		
77	31.2	11.2	51.2
39	68.1	52.3	92.3

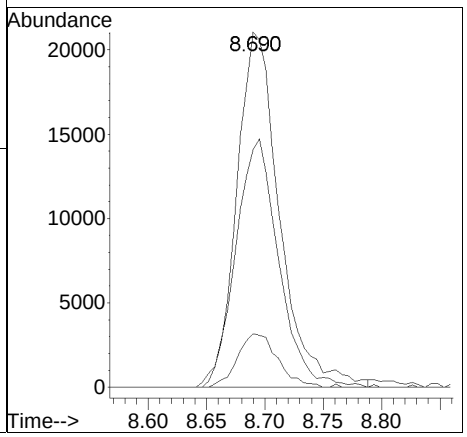


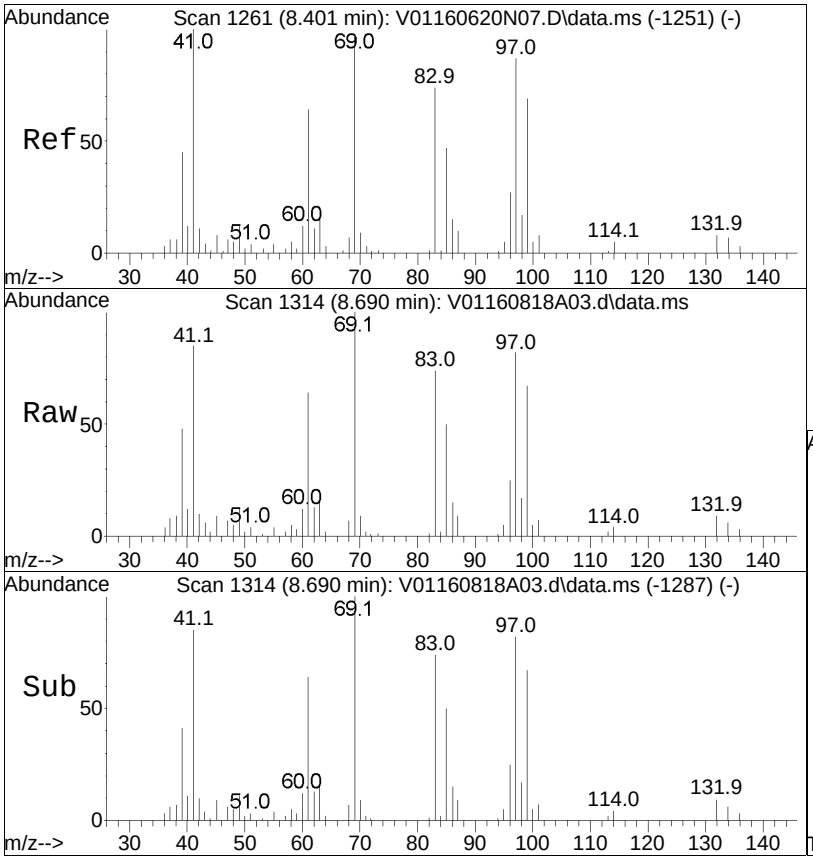


#67
Ethyl methacrylate
Concen: 7.30 ug/L
RT: 8.690 min Scan# 1314
Delta R.T. -0.005 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 69 Resp: 53765

Ion	Ratio	Lower	Upper
69	100		
99	70.5	53.0	93.0
86	14.2	0.0	35.7

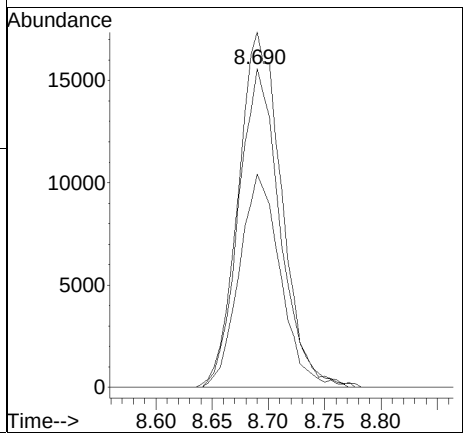


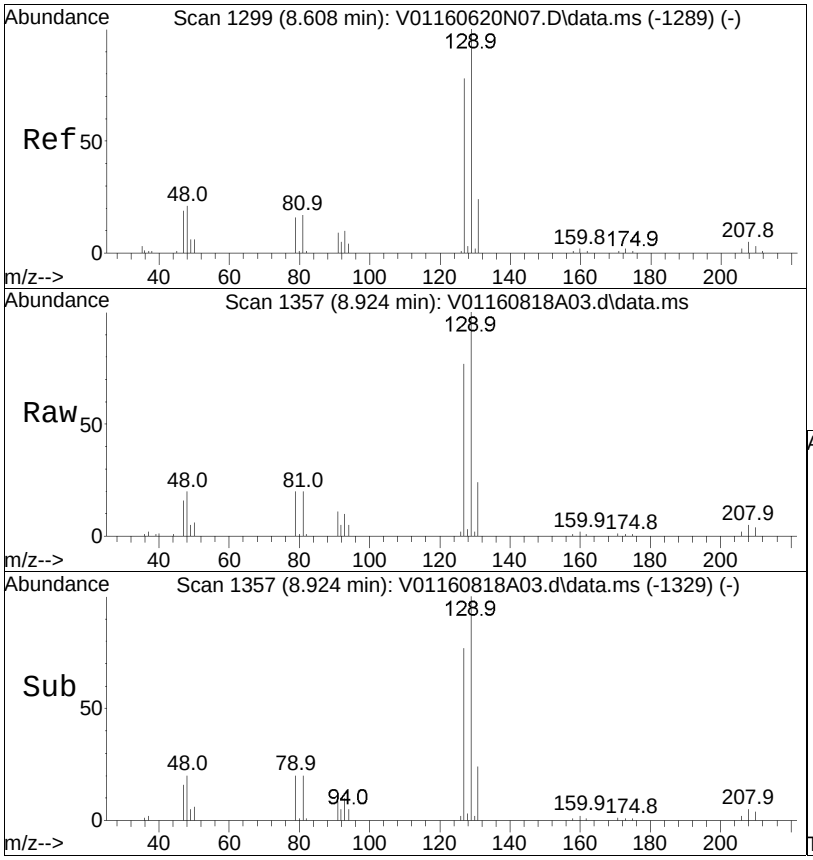


#68
1,1,2-Trichloroethane
Concen: 8.05 ug/L
RT: 8.690 min Scan# 1314
Delta R.T. -0.005 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 83 Resp: 40017

Ion	Ratio	Lower	Upper
83	100		
97	116.0	100.7	140.7
85	66.5	47.4	87.4

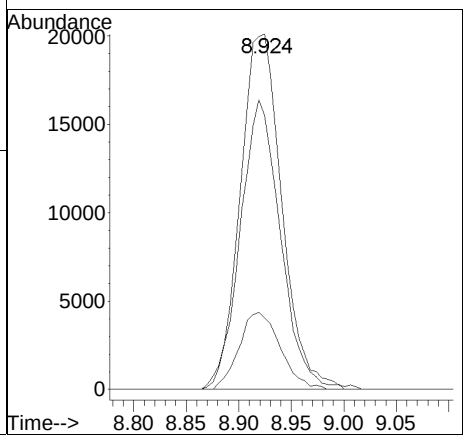


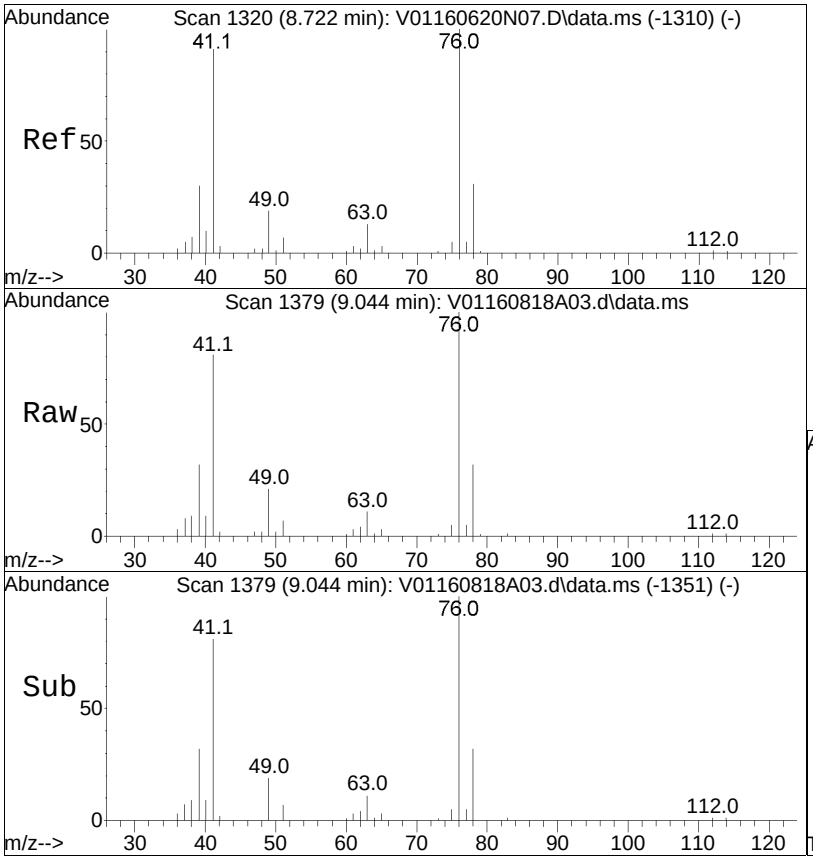


#69
Chlorodibromomethane
Concen: 7.99 ug/L
RT: 8.924 min Scan# 1357
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:129 Resp: 55709

Ion	Ratio	Lower	Upper
129	100		
81	21.4	0.0	37.2
127	77.9	57.7	97.7

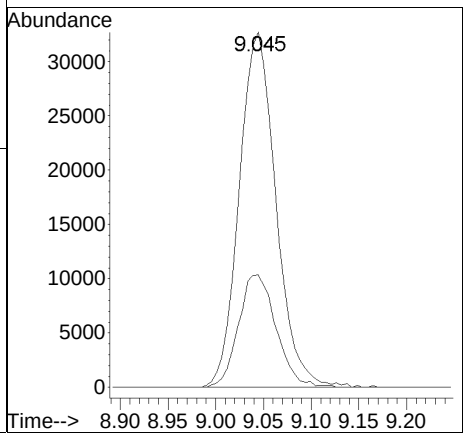


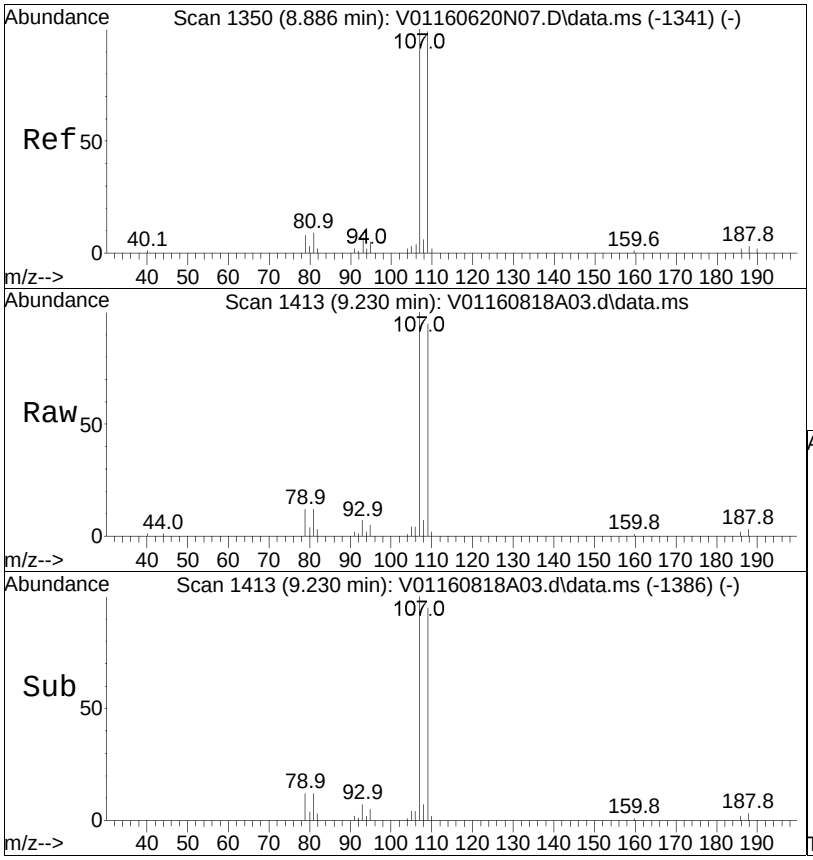


#70
1,3-Dichloropropane
Concen: 8.40 ug/L
RT: 9.044 min Scan# 1379
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 76 Resp: 87580

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.9	38.9

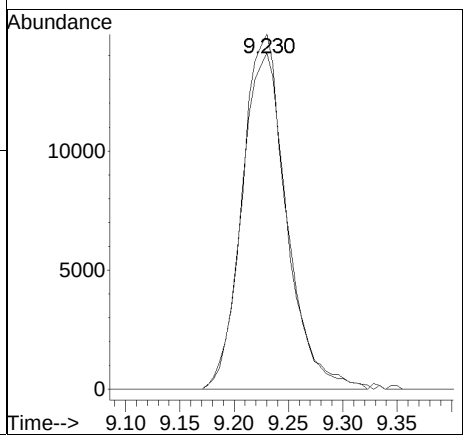


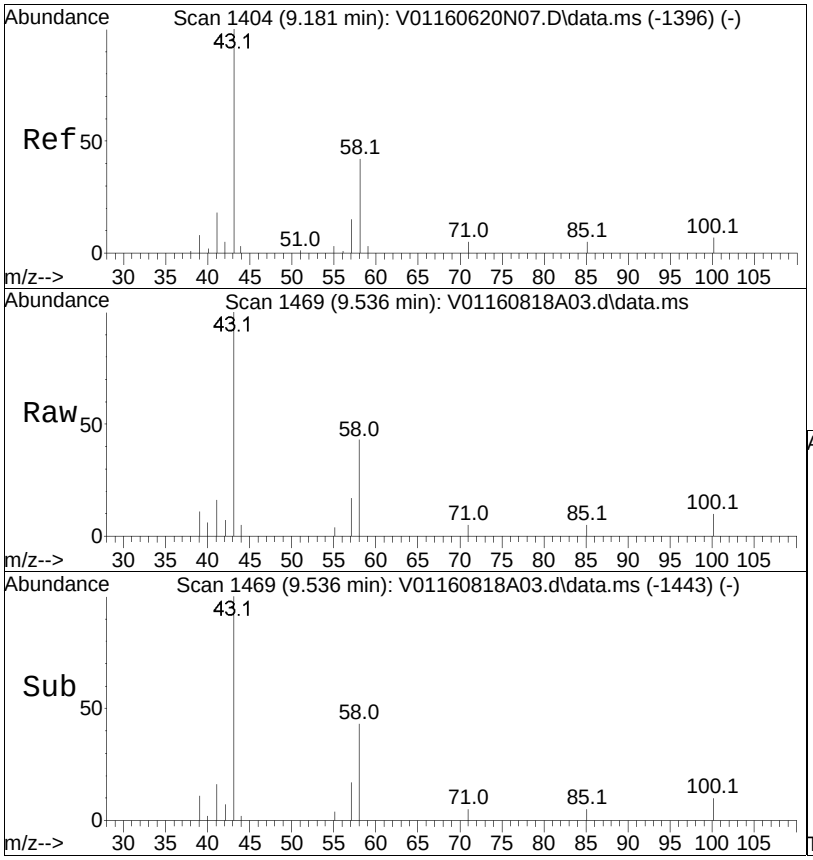


#71
1,2-Dibromoethane
Concen: 7.98 ug/L
RT: 9.230 min Scan# 1413
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:107 Resp: 42199

Ion	Ratio	Lower	Upper
107	100		
109	96.9	75.8	113.6

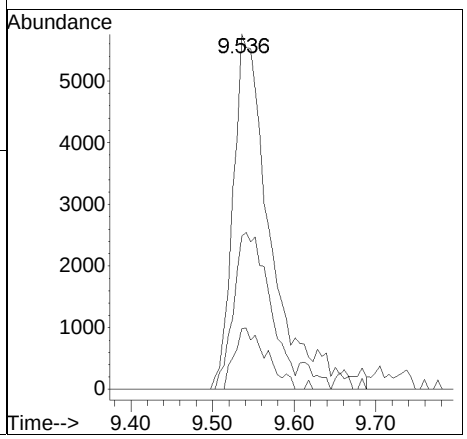


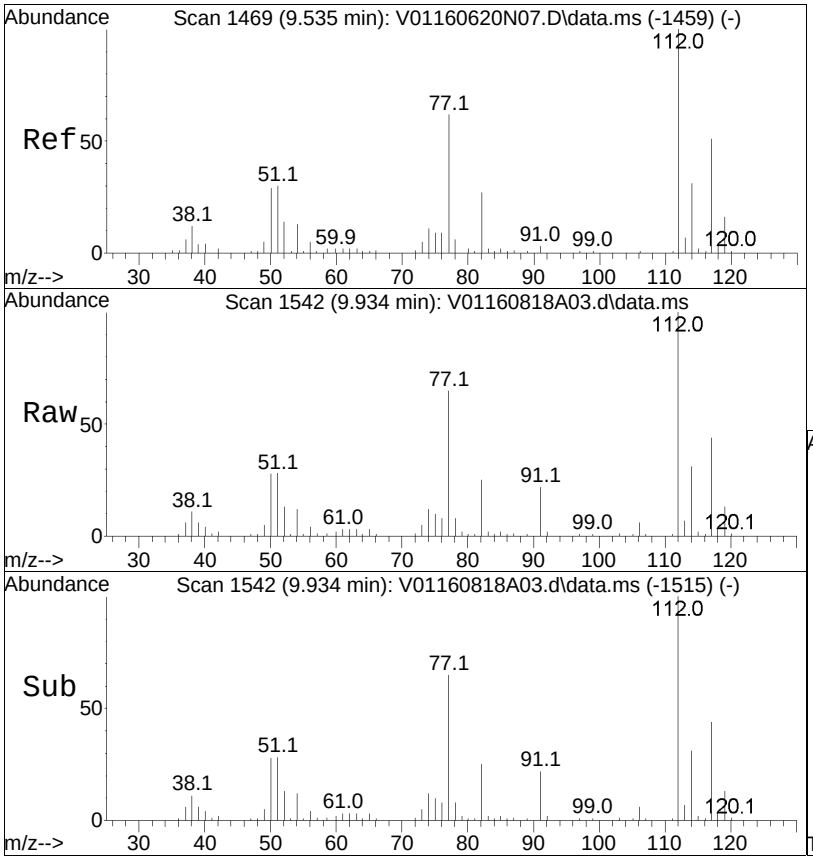


#72
2-Hexanone
Concen: 7.11 ug/L M1
RT: 9.536 min Scan# 1469
Delta R.T. -0.010 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 43 Resp: 18546

Ion	Ratio	Lower	Upper
43	100		
58	42.5	35.1	52.7
57	14.7	11.9	17.9

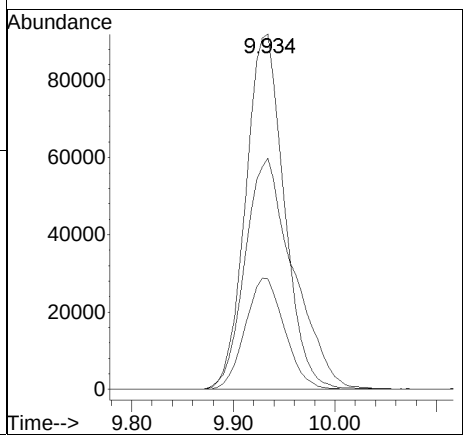


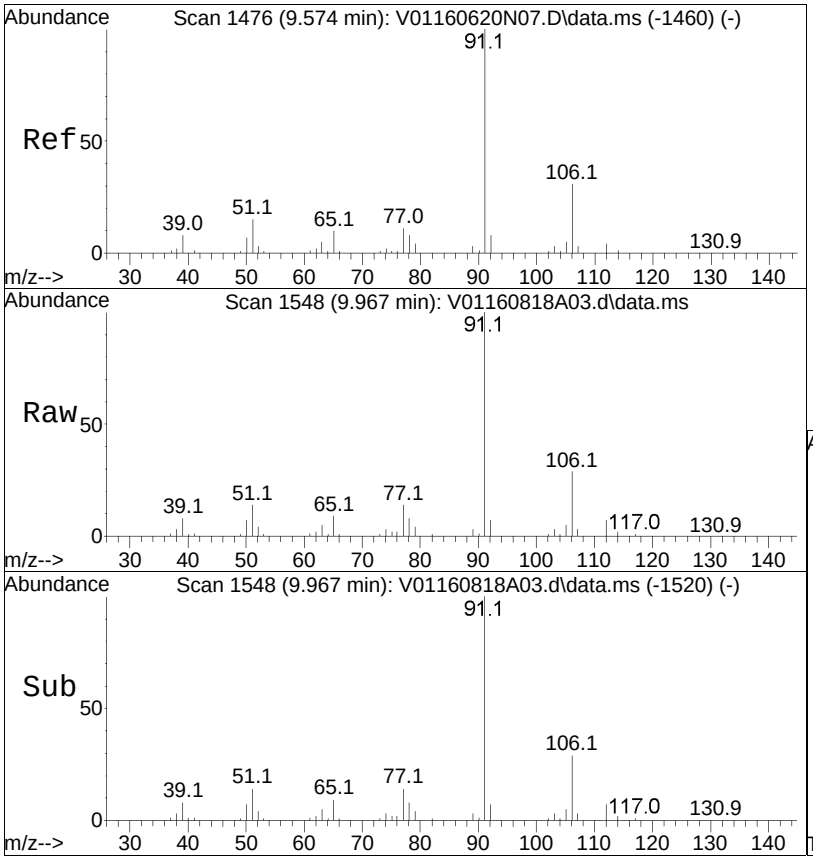


#73
Chlorobenzene
Concen: 9.25 ug/L
RT: 9.934 min Scan# 1542
Delta R.T. -0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:112 Resp: 242047

Ion	Ratio	Lower	Upper
112	100		
77	82.1	60.7	91.1
114	32.0	25.9	38.9

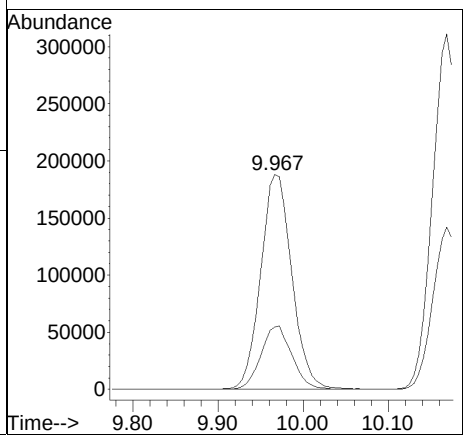


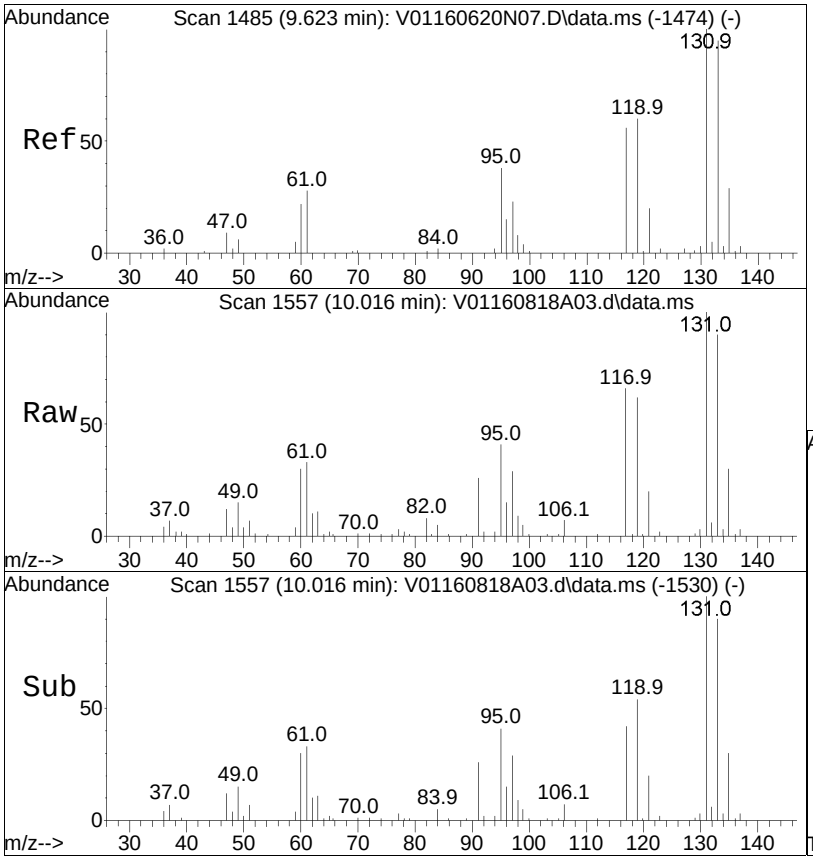


#74
Ethylbenzene
Concen: 9.45 ug/L
RT: 9.967 min Scan# 1548
Delta R.T. 0.001 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 91 Resp: 479762

Ion	Ratio	Lower	Upper
91	100		
106	29.2	24.8	37.2

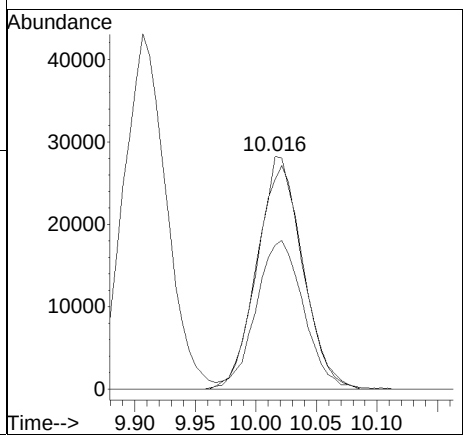


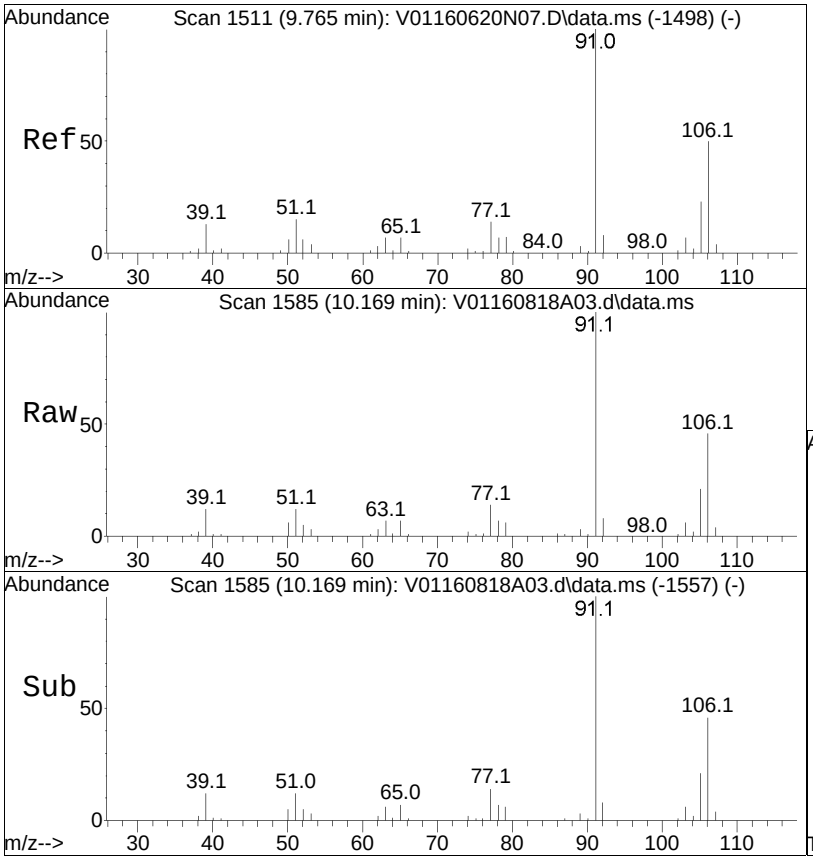


#75
1,1,1,2-Tetrachloroethane
Concen: 8.54 ug/L
RT: 10.016 min Scan# 1557
Delta R.T. -0.005 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:131 Resp: 74408

Ion	Ratio	Lower	Upper
131	100		
133	97.4	74.2	114.2
119	66.4	45.3	85.3

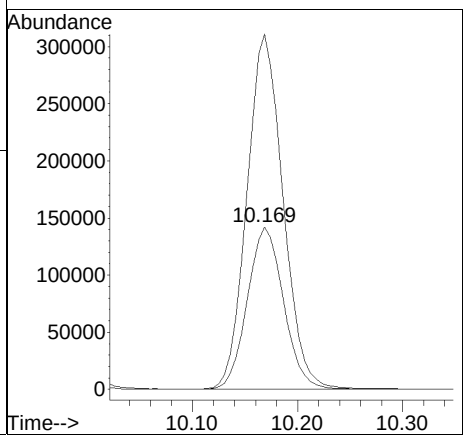


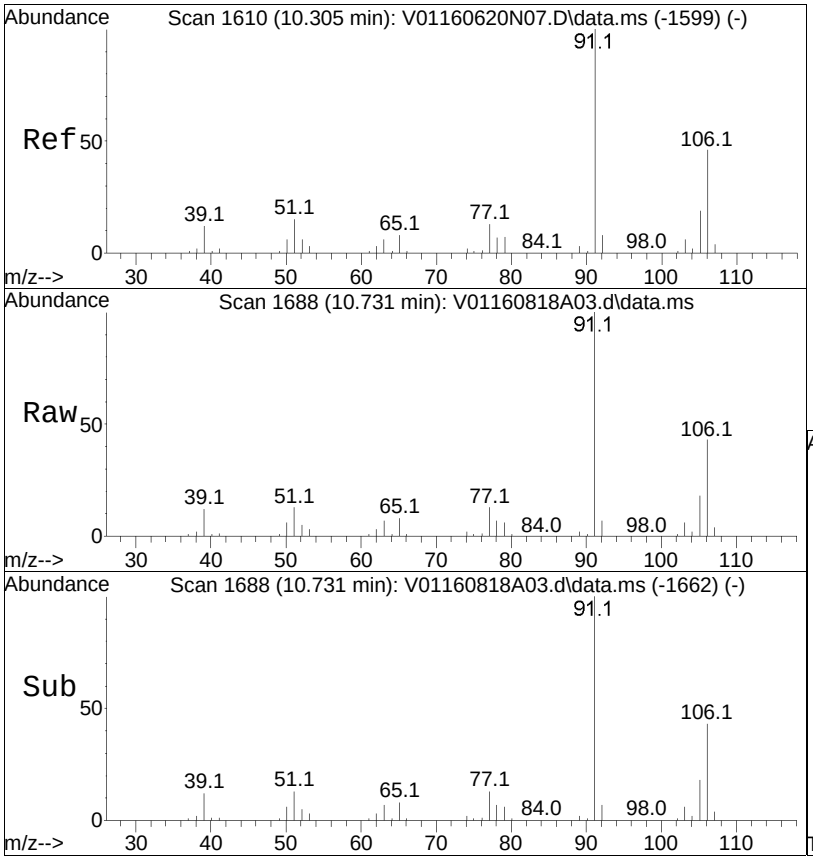


#76
p/m Xylene
Concen: 18.10 ug/L
RT: 10.169 min Scan# 1585
Delta R.T. 0.001 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:106 Resp: 341015

Ion	Ratio	Lower	Upper
106	100		
91	217.3	162.6	243.8

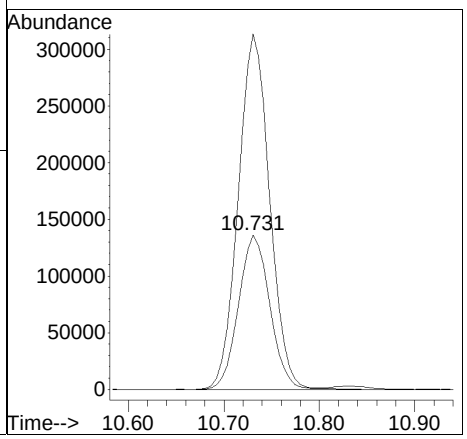


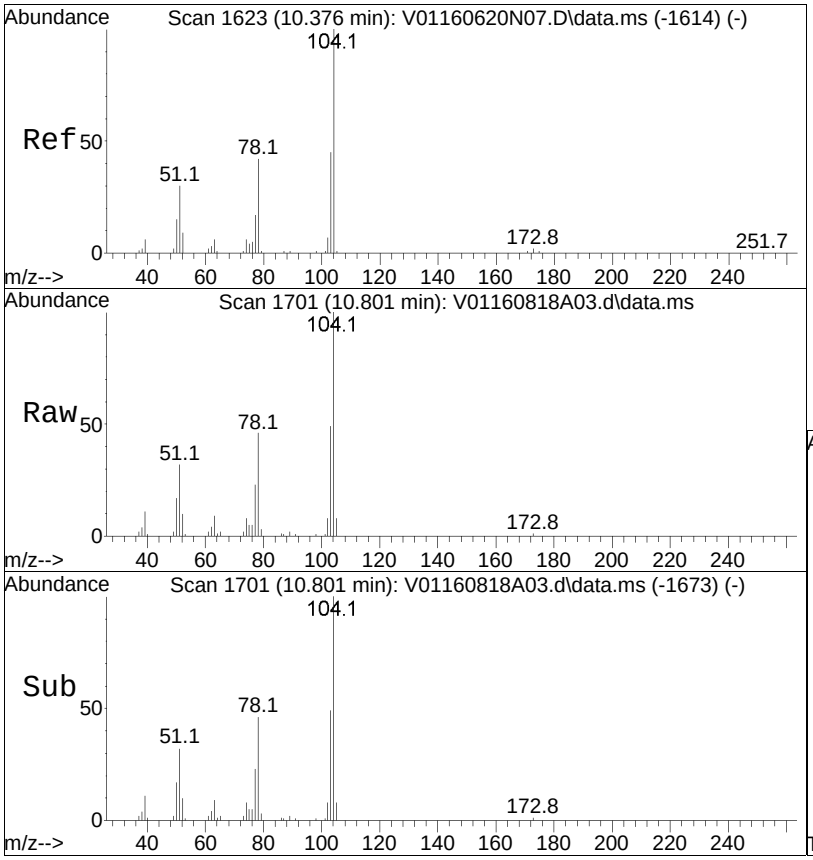


#77
o Xylene
Concen: 17.43 ug/L
RT: 10.731 min Scan# 1688
Delta R.T. -0.005 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:106 Resp: 311393

Ion	Ratio	Lower	Upper
106	100		
91	229.2	169.8	254.6

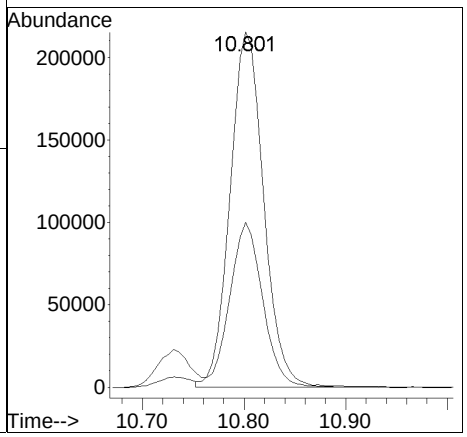


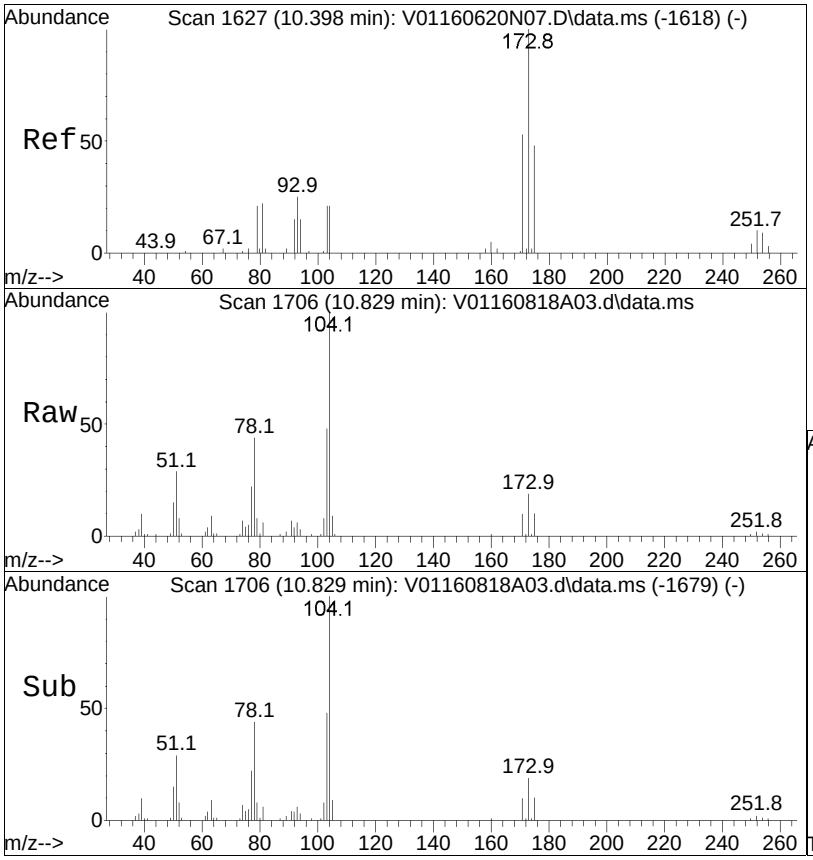


#78
Styrene
Concen: 16.68 ug/L
RT: 10.801 min Scan# 1701
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:104 Resp: 494346

Ion	Ratio	Lower	Upper
104	100		
78	45.2	34.8	52.2

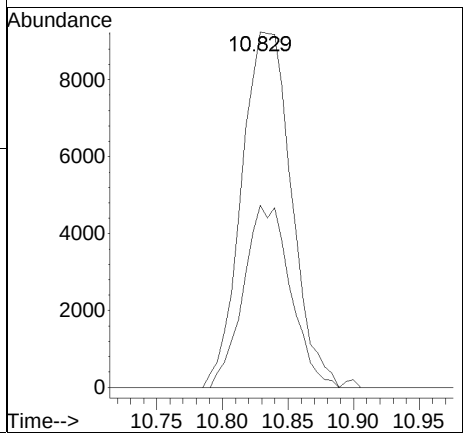


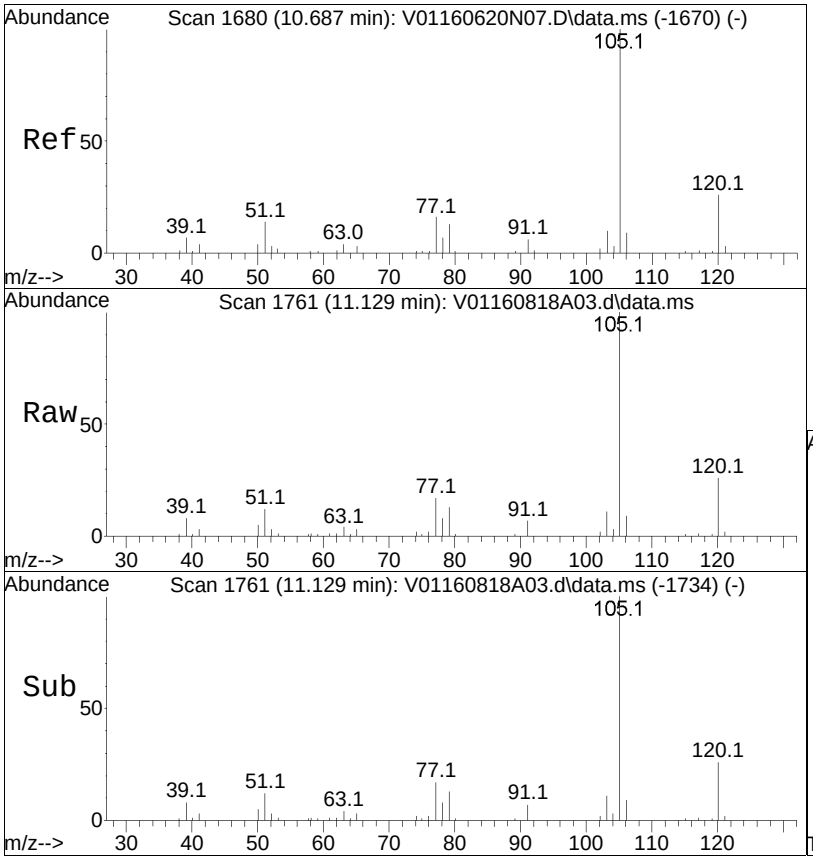


#80
Bromoform
Concen: 7.71 ug/L
RT: 10.829 min Scan# 1706
Delta R.T. -0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:173 Resp: 24546

Ion	Ratio	Lower	Upper
173	100		
175	48.2	28.6	68.6

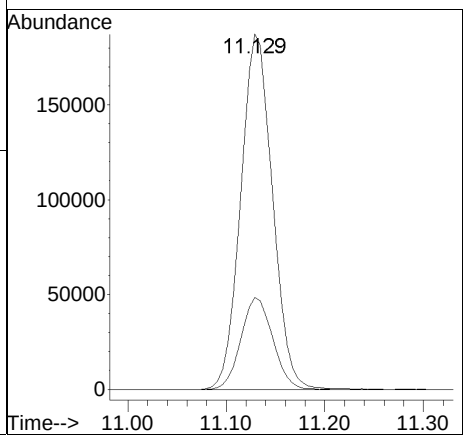


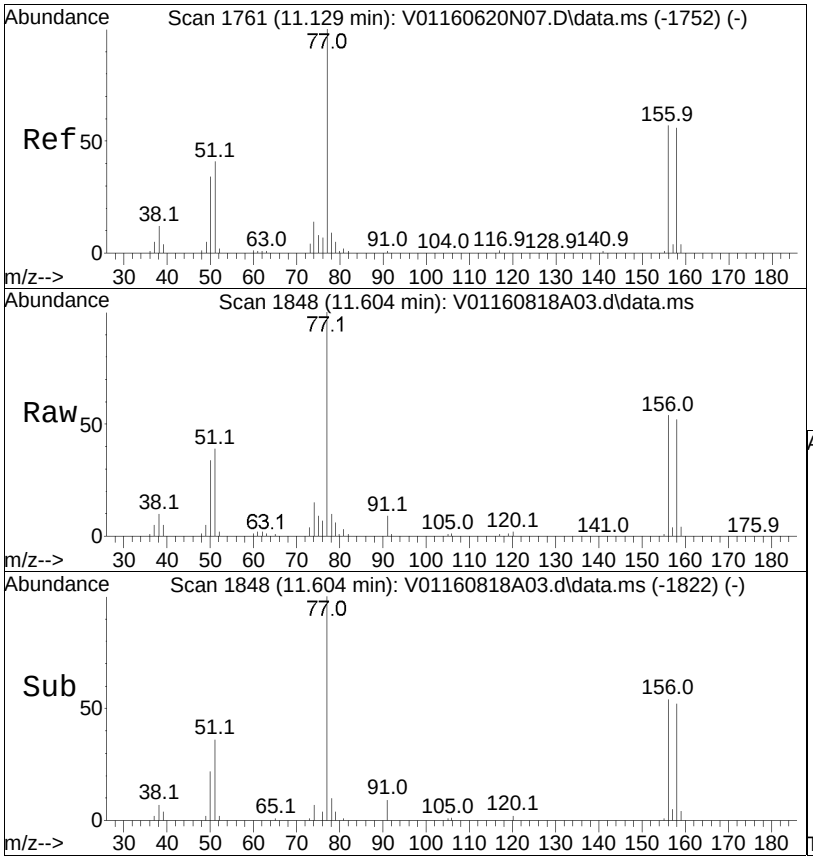


#82
Isopropylbenzene
Concen: 10.12 ug/L
RT: 11.129 min Scan# 1761
Delta R.T. -0.005 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:105 Resp: 419524

Ion	Ratio	Lower	Upper
105	100		
120	25.9	6.4	46.4

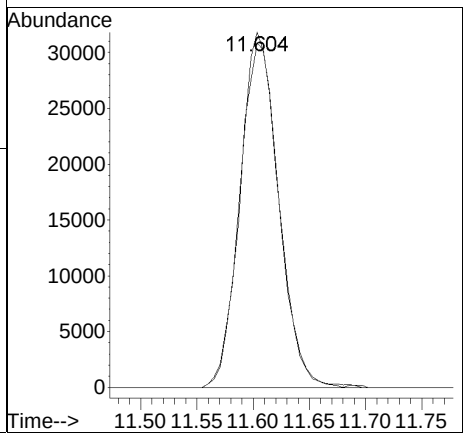


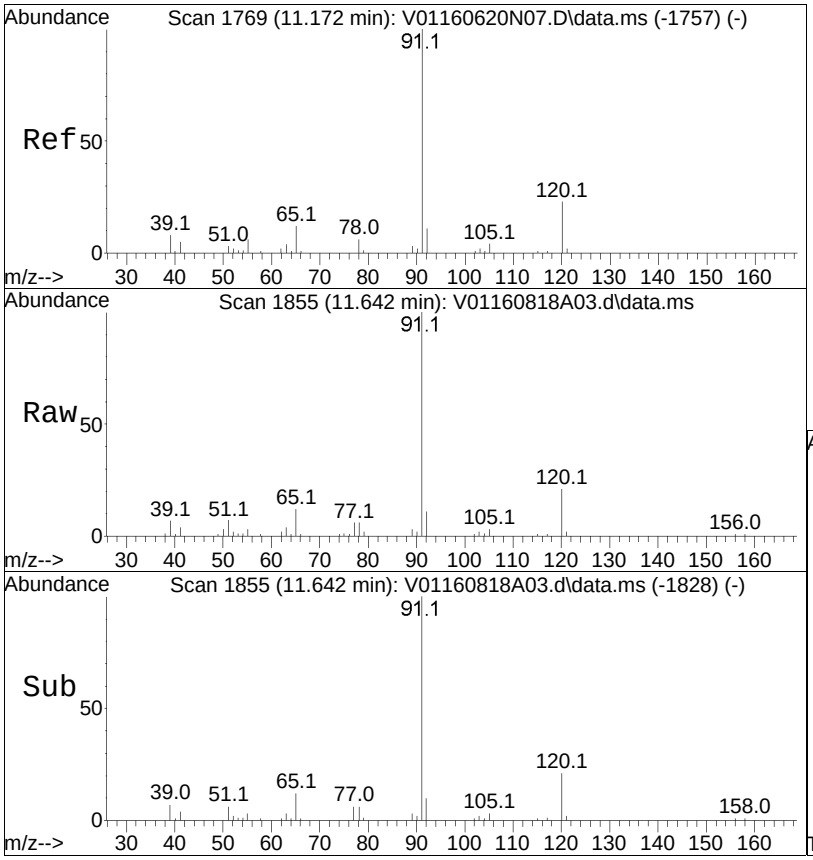


#84
Bromobenzene
Concen: 9.47 ug/L
RT: 11.604 min Scan# 1848
Delta R.T. -0.005 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:156 Resp: 75877

Ion	Ratio	Lower	Upper
156	100		
158	97.7	77.4	116.2

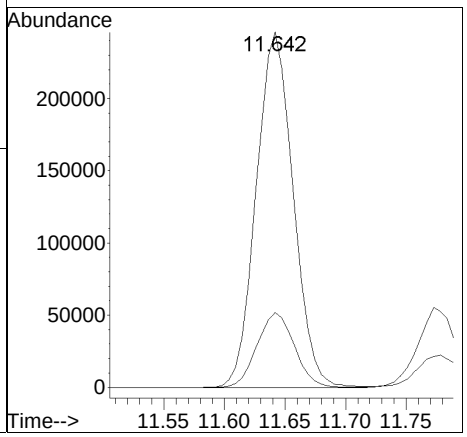


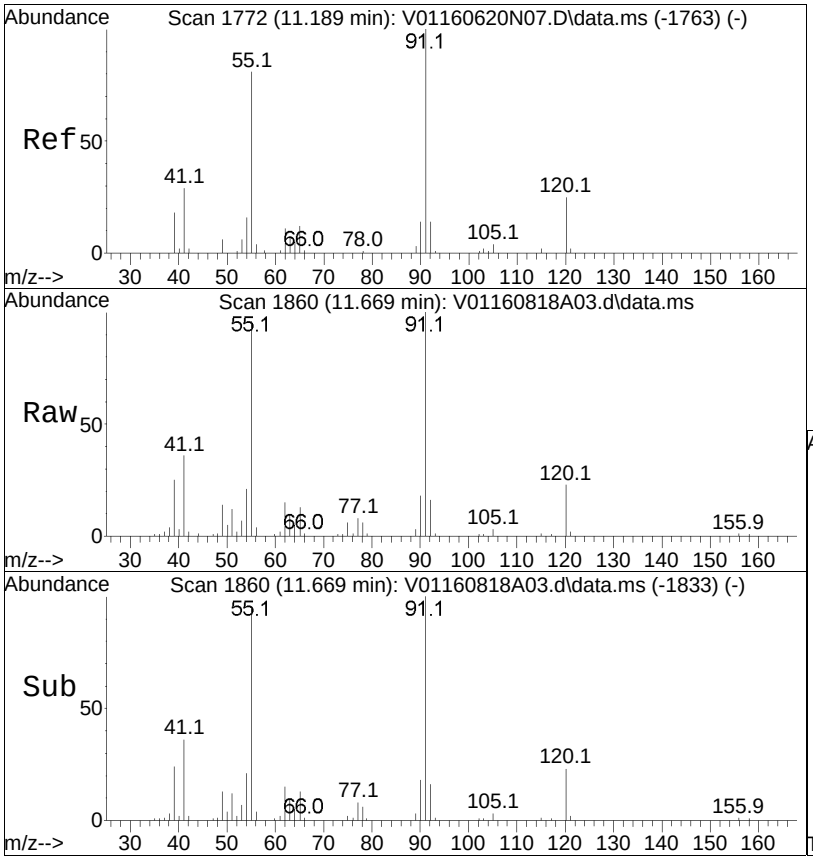


#85
n-Propylbenzene
Concen: 10.28 ug/L
RT: 11.642 min Scan# 1855
Delta R.T. -0.005 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 91 Resp: 521253

Ion	Ratio	Lower	Upper
91	100		
120	21.2	18.6	28.0

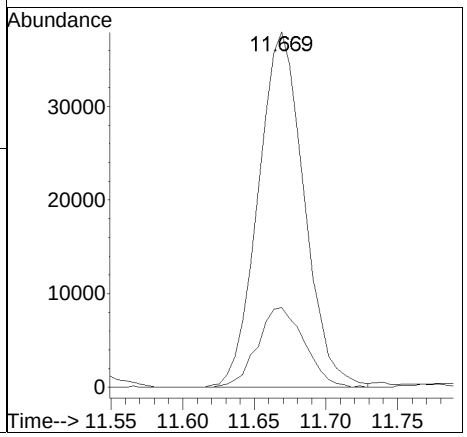


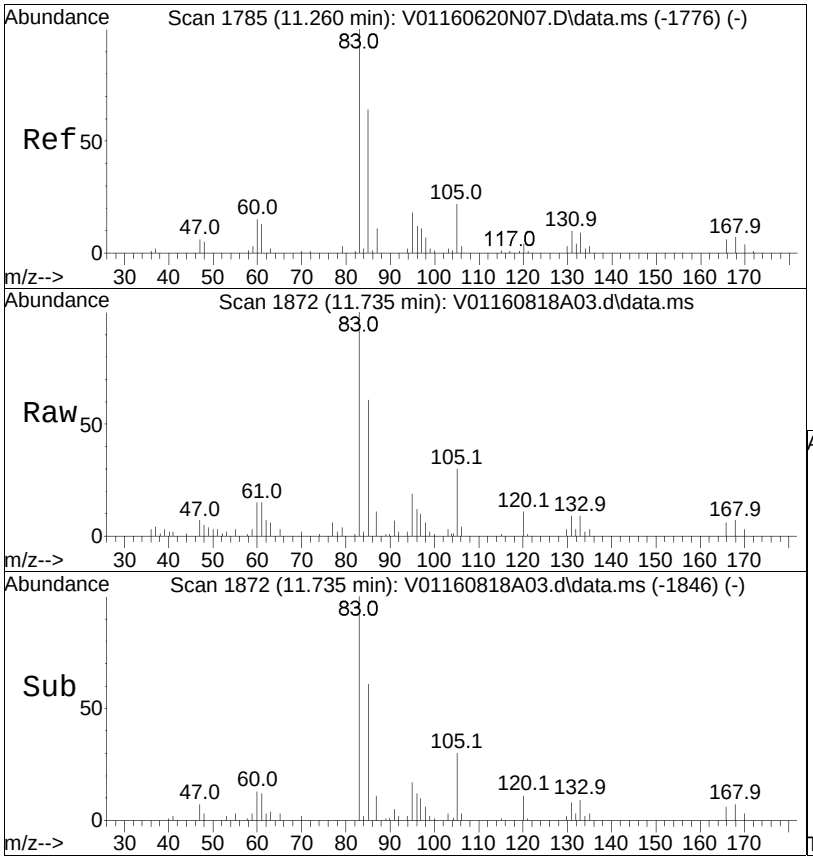


#86
1,4-Dichlorobutane
Concen: 8.76 ug/L
RT: 11.669 min Scan# 1860
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 55 Resp: 84611

Ion	Ratio	Lower	Upper
55	100		
54	23.1	17.6	26.4

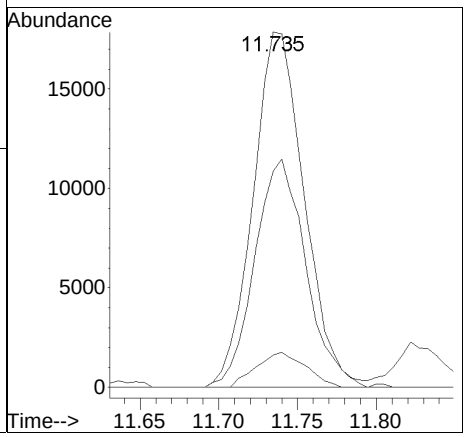


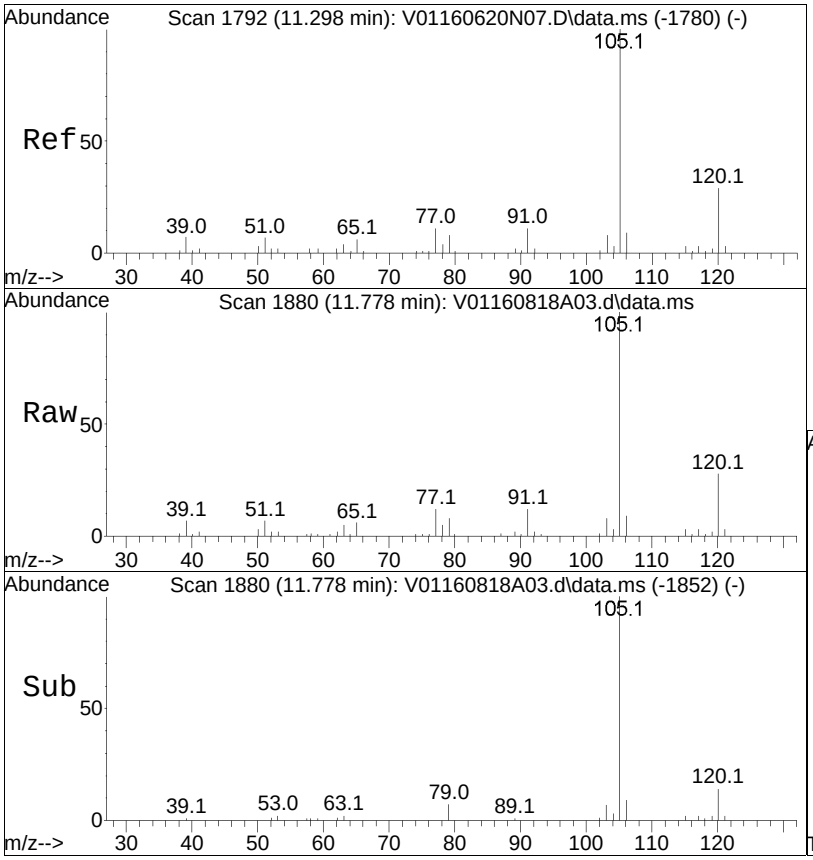


#87
1,1,2,2-Tetrachloroethane
Concen: 8.40 ug/L
RT: 11.735 min Scan# 1872
Delta R.T. -0.005 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 83 Resp: 40350

Ion	Ratio	Lower	Upper
83	100		
131	9.6	0.0	30.2
85	64.6	45.4	85.4

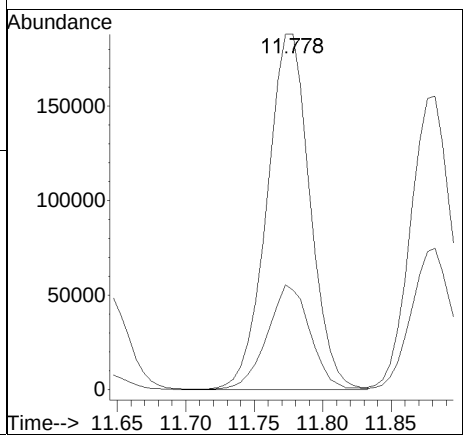


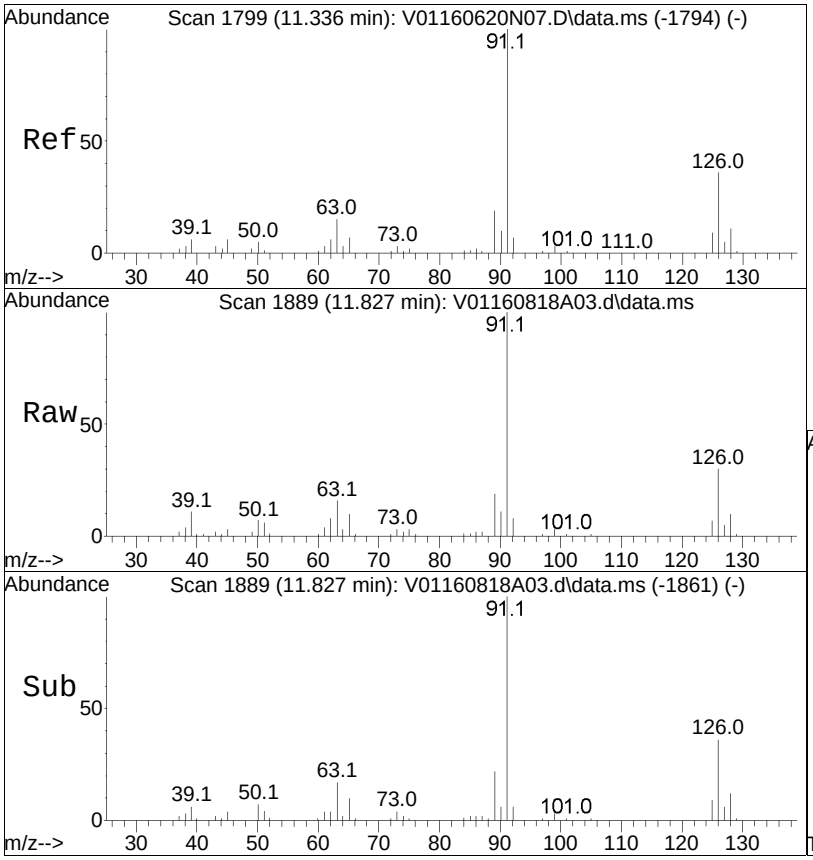


#88
4-Ethyltoluene
Concen: 10.19 ug/L
RT: 11.778 min Scan# 1880
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:105 Resp: 411189

Ion	Ratio	Lower	Upper
105	100		
120	28.9	19.0	39.6

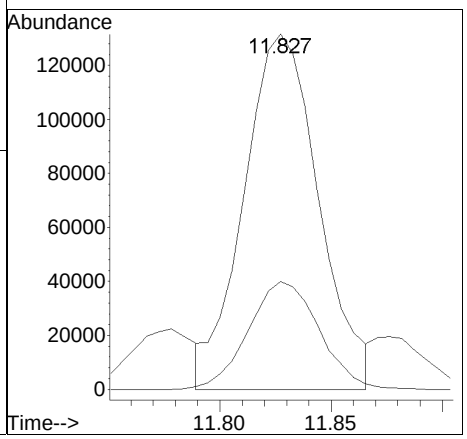


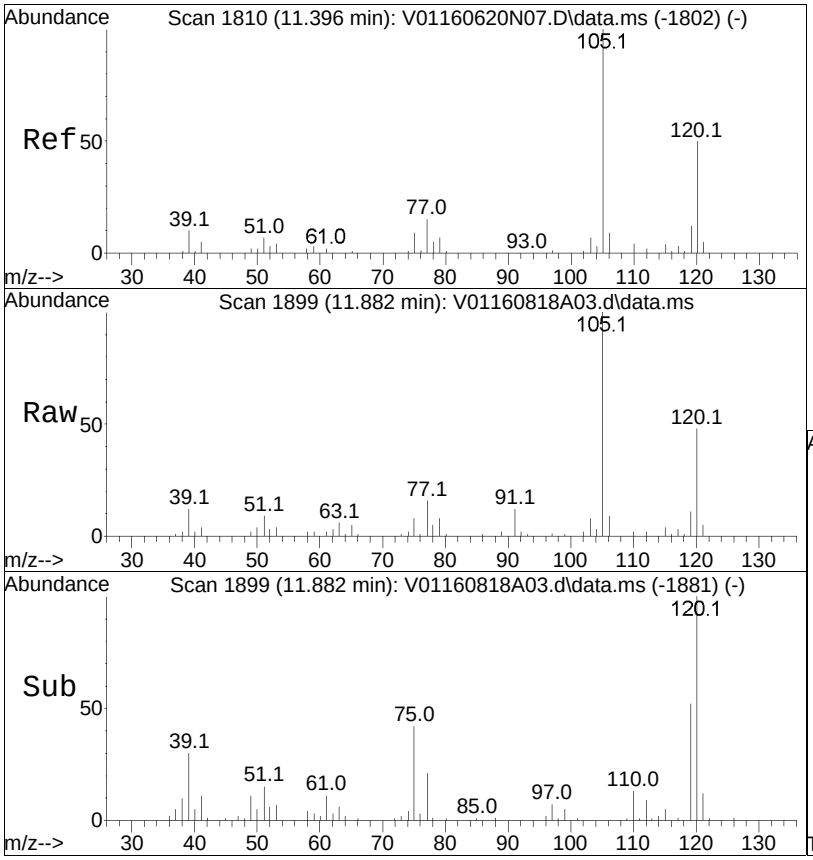


#89
2-Chlorotoluene
Concen: 10.28 ug/L M1
RT: 11.827 min Scan# 1889
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 91 Resp: 307729

Ion	Ratio	Lower	Upper
91	100		
126	28.8	27.2	40.8

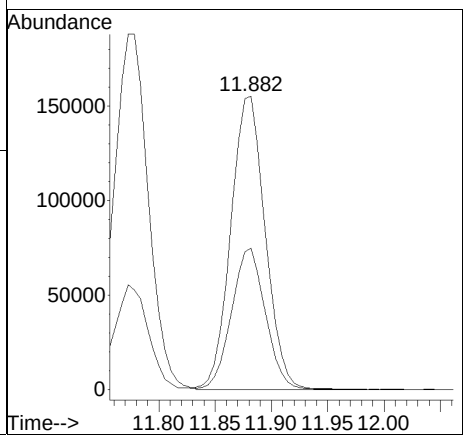


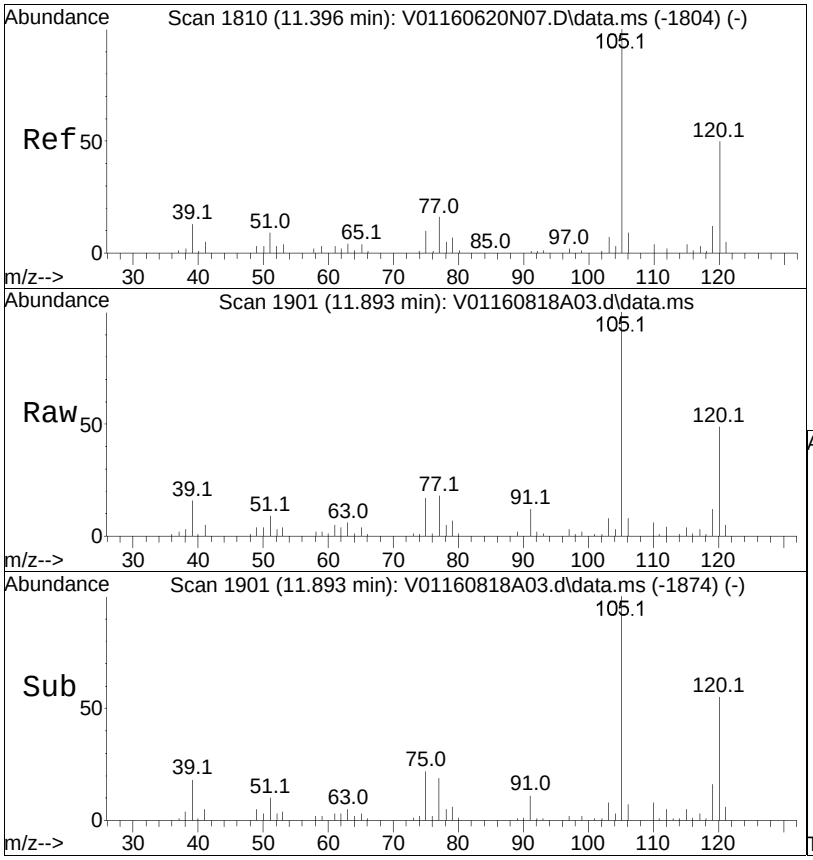


#90
1,3,5-Trimethylbenzene
Concen: 9.92 ug/L
RT: 11.882 min Scan# 1899
Delta R.T. -0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:105 Resp: 329501

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.4	35.2#

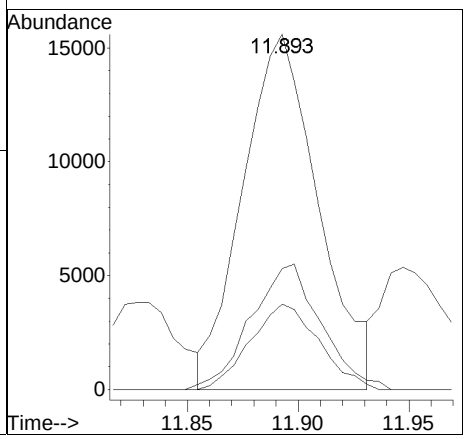


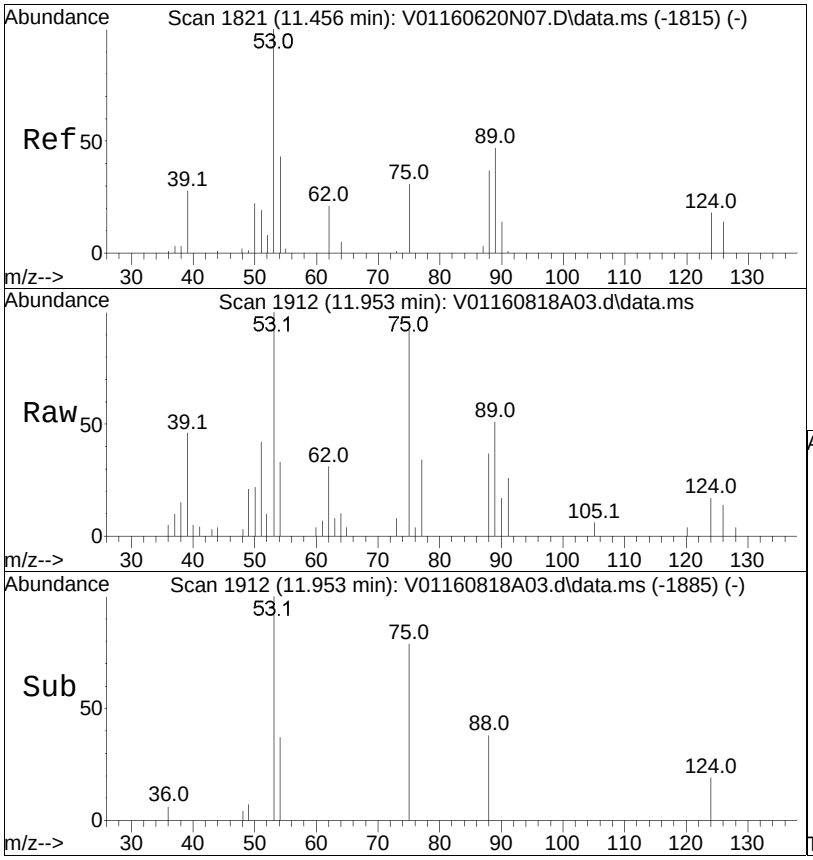


#91
1,2,3-Trichloropropane
Concen: 8.52 ug/L M1
RT: 11.893 min Scan# 1901
Delta R.T. -0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 75 Resp: 37051

Ion	Ratio	Lower	Upper
75	100		
110	32.5	23.1	48.1
112	21.8	15.4	32.0

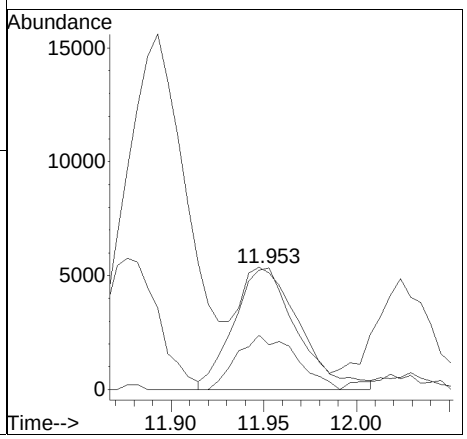


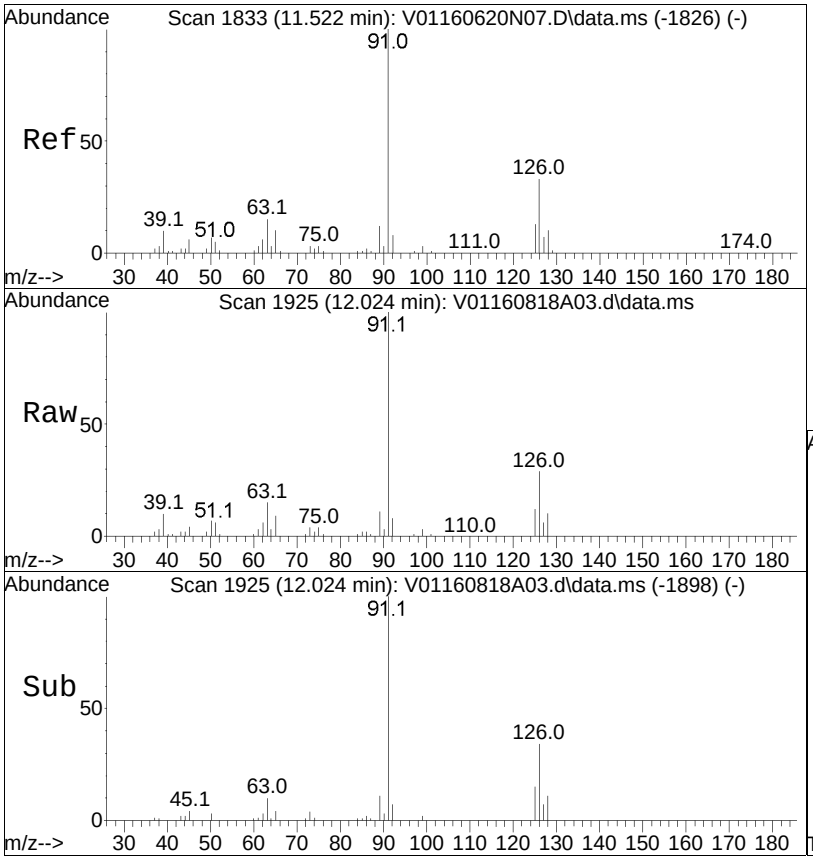


#92
trans-1,4-Dichloro-2-butene
Concen: 8.11 ug/L M1
RT: 11.953 min Scan# 1912
Delta R.T. -0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 53 Resp: 12646

Ion	Ratio	Lower	Upper
53	100		
88	41.6	30.2	45.4
75	72.2	74.6	111.8#

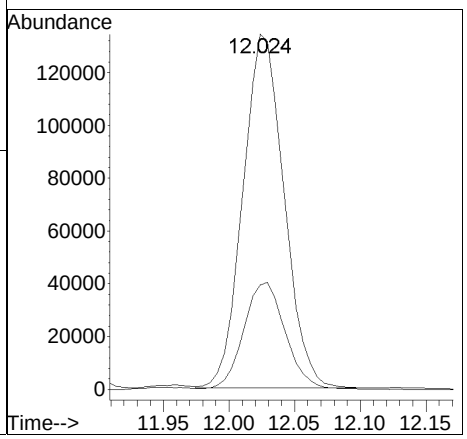


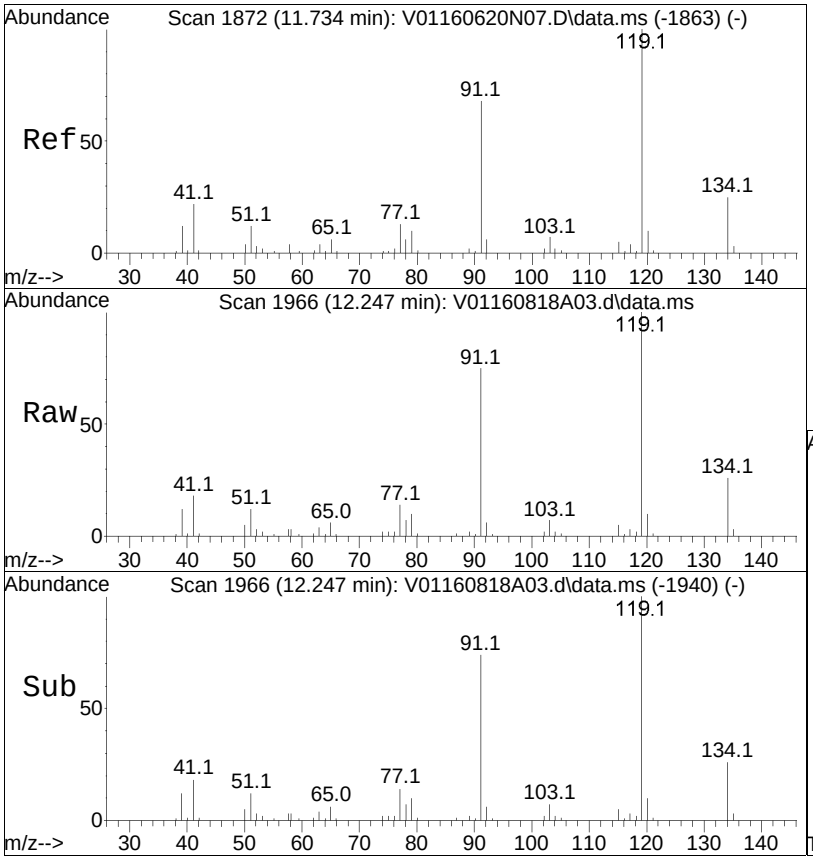


#93
4-Chlorotoluene
Concen: 10.08 ug/L
RT: 12.024 min Scan# 1925
Delta R.T. -0.005 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 91 Resp: 291759

Ion	Ratio	Lower	Upper
91	100		
126	30.8	0.0	0.0#

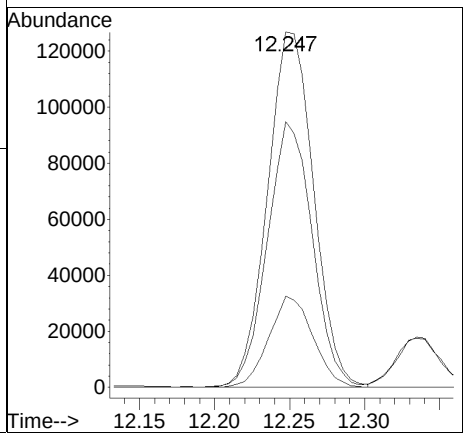


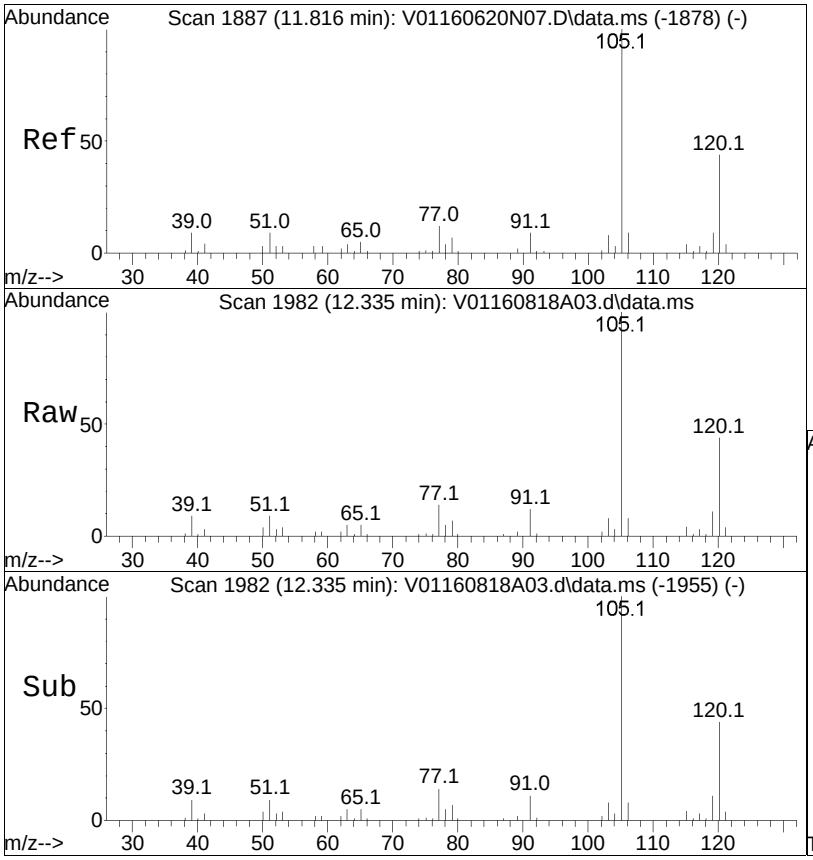


#94
tert-Butylbenzene
Concen: 9.95 ug/L
RT: 12.247 min Scan# 1966
Delta R.T. -0.006 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:119 Resp: 272257

Ion	Ratio	Lower	Upper
119	100		
91	72.6	54.2	81.2
134	24.5	19.7	29.5

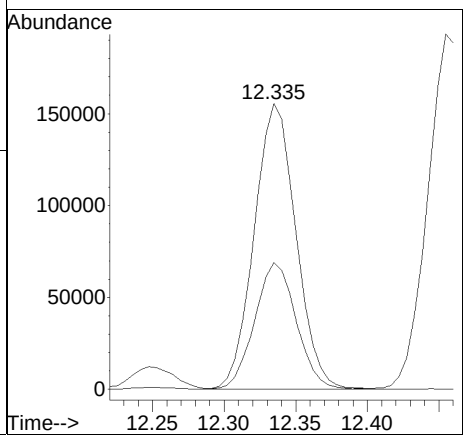


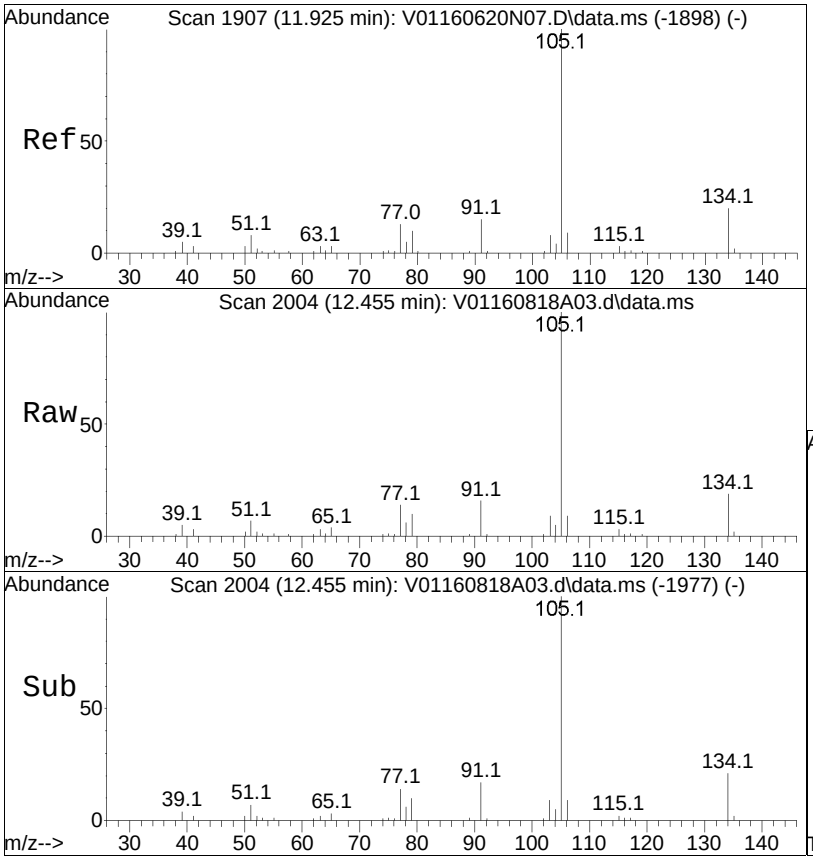


#97
1,2,4-Trimethylbenzene
Concen: 9.85 ug/L
RT: 12.335 min Scan# 1982
Delta R.T. -0.005 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:105 Resp: 314685

Ion	Ratio	Lower	Upper
105	100		
120	44.3	36.5	54.7

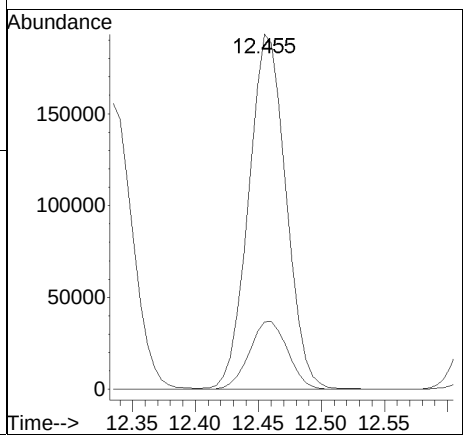


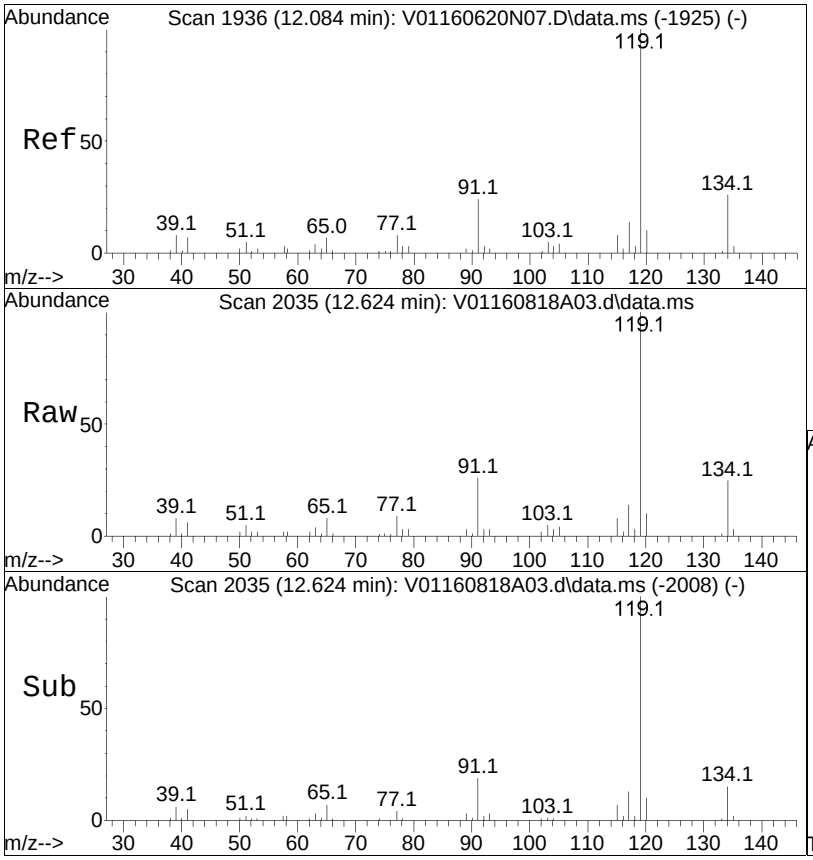


#98
sec-Butylbenzene
Concen: 9.80 ug/L
RT: 12.455 min Scan# 2004
Delta R.T. -0.005 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:105 Resp: 397184

Ion	Ratio	Lower	Upper
105	100		
134	19.7	12.9	26.9

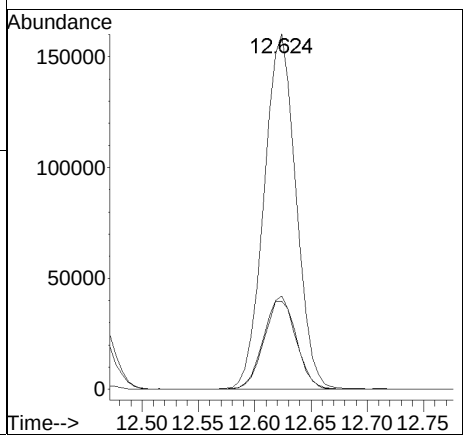


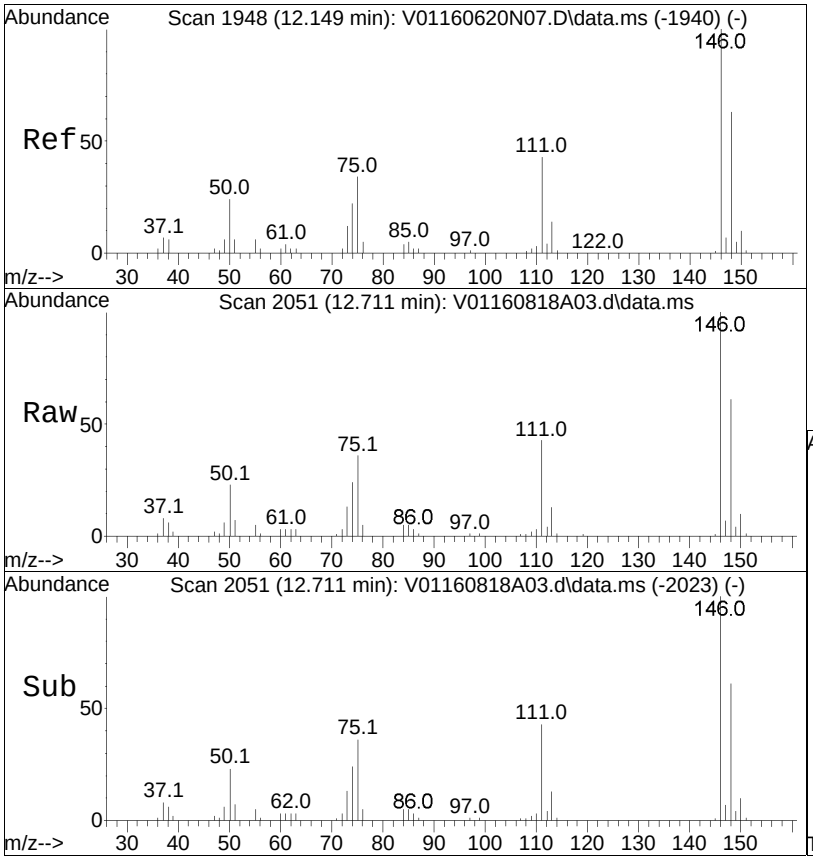


#99
p-Isopropyltoluene
Concen: 9.71 ug/L
RT: 12.624 min Scan# 2035
Delta R.T. -0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:119 Resp: 317482

Ion	Ratio	Lower	Upper
119	100		
134	25.8	16.6	34.6
91	26.4	15.1	31.5

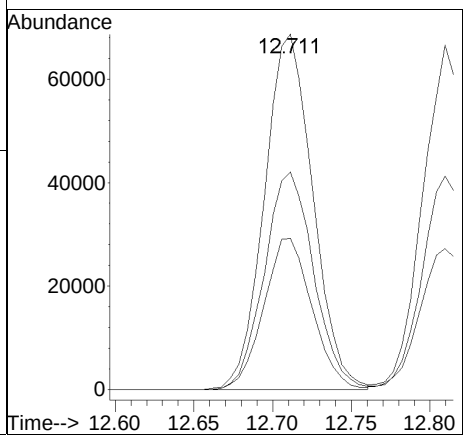


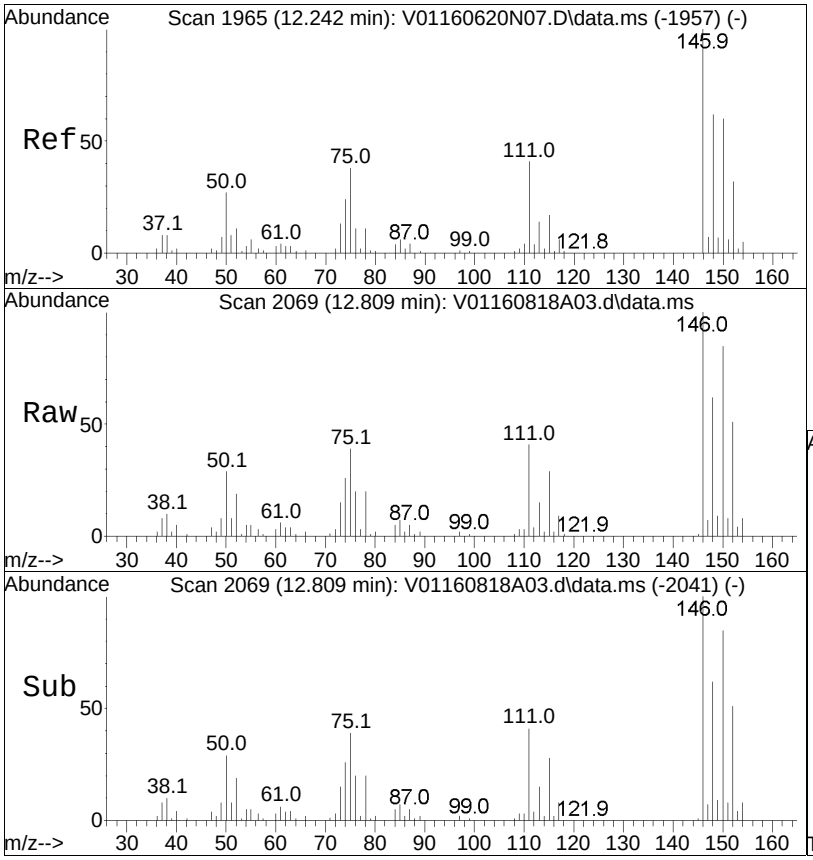


#100
1,3-Dichlorobenzene
Concen: 9.44 ug/L
RT: 12.711 min Scan# 2051
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:146 Resp: 146935

Ion	Ratio	Lower	Upper
146	100		
111	42.4	28.0	58.1
148	62.4	41.2	85.6

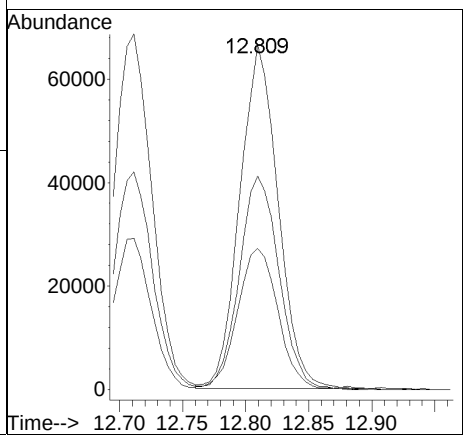


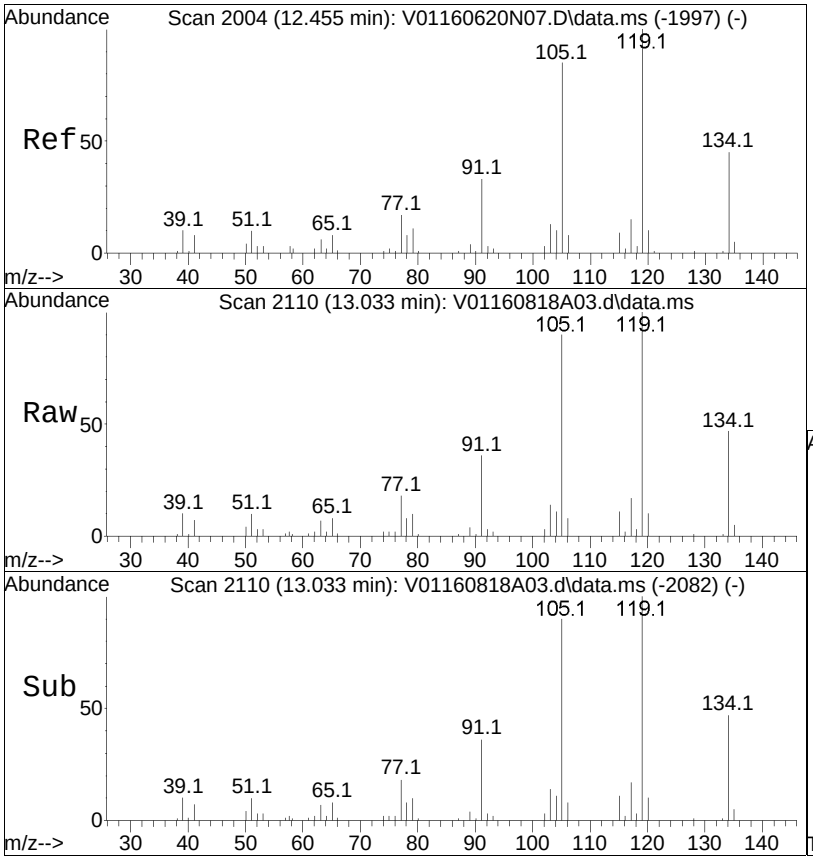


#101
1,4-Dichlorobenzene
Concen: 9.10 ug/L
RT: 12.809 min Scan# 2069
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:146 Resp: 140404

Ion	Ratio	Lower	Upper
146	100		
111	43.7	34.1	51.1
148	64.9	50.8	76.2

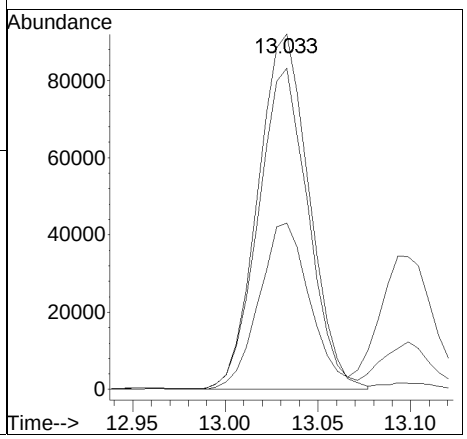


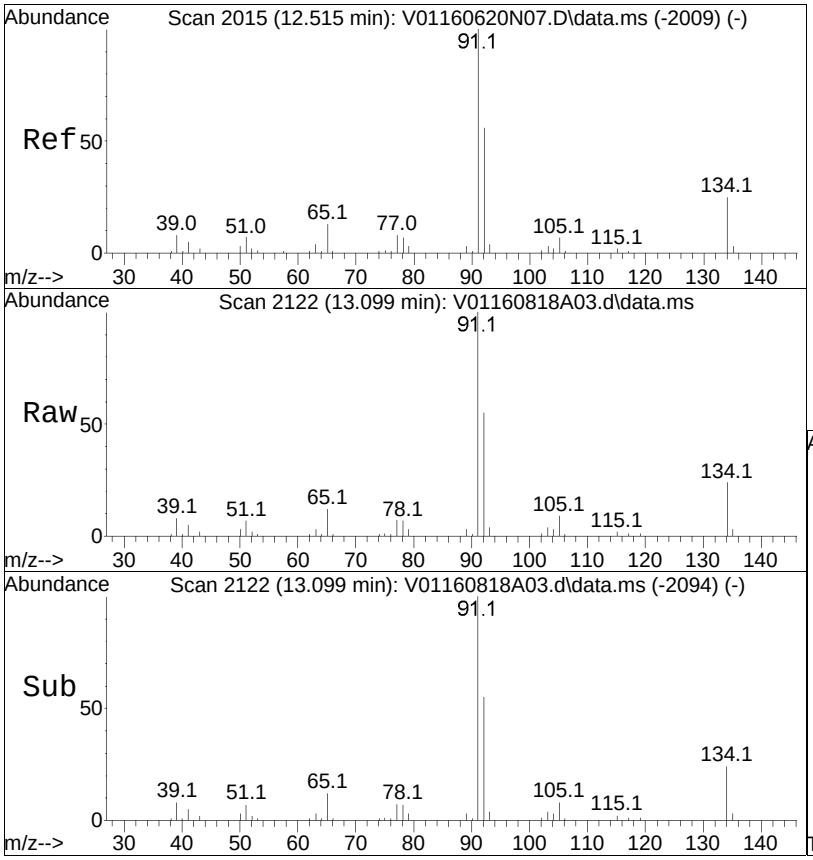


#102
p-Diethylbenzene
Concen: 9.61 ug/L
RT: 13.033 min Scan# 2110
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:119 Resp: 177327

Ion	Ratio	Lower	Upper
119	100		
105	87.6	55.0	114.2
134	46.3	29.2	60.6

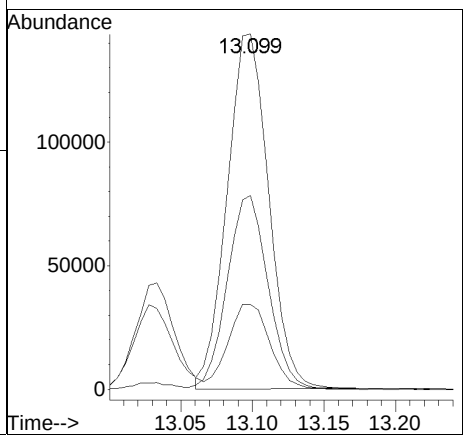


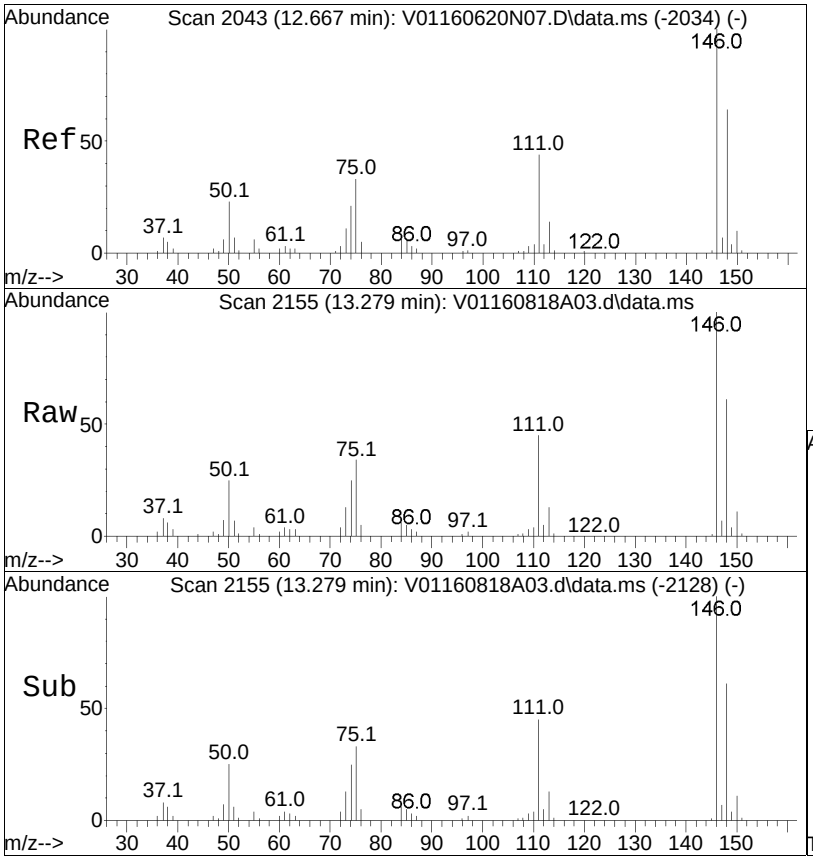


#103
n-Butylbenzene
Concen: 9.93 ug/L
RT: 13.099 min Scan# 2122
Delta R.T. 0.001 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion: 91 Resp: 289692

Ion	Ratio	Lower	Upper
91	100		
92	54.0	44.4	66.6
134	24.3	21.2	31.8

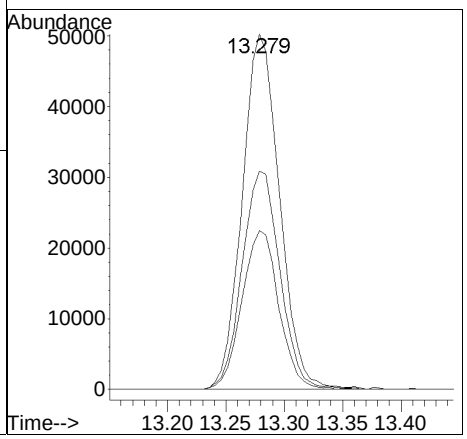


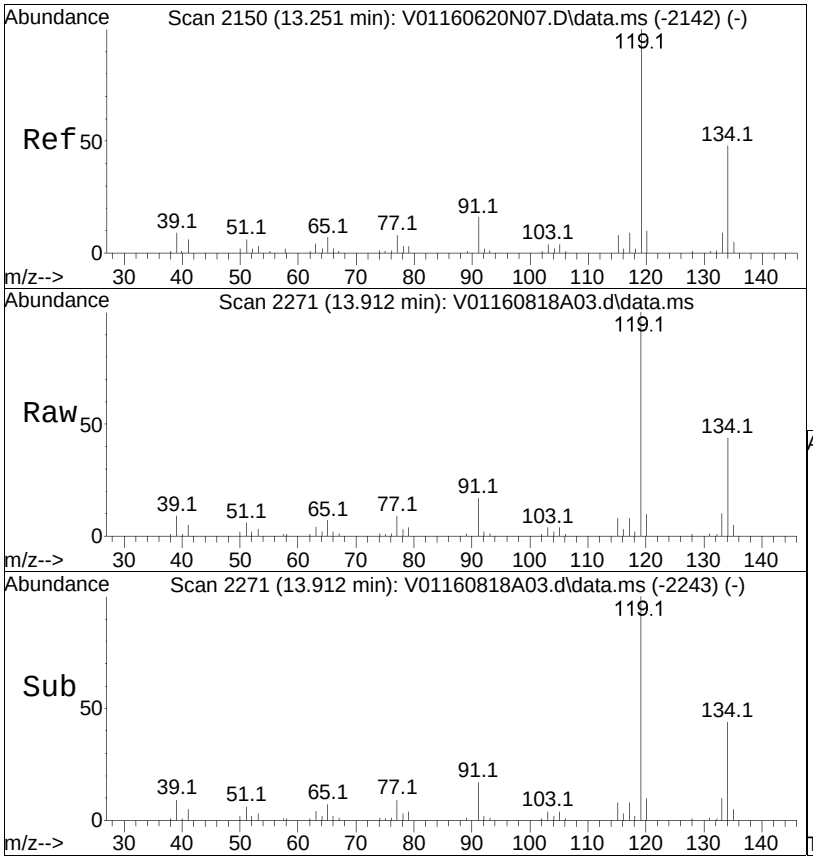


#104
1,2-Dichlorobenzene
Concen: 8.90 ug/L
RT: 13.279 min Scan# 2155
Delta R.T. -0.005 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:146 Resp: 111956

Ion	Ratio	Lower	Upper
146	100		
111	44.2	28.7	59.5
148	62.4	41.1	85.5

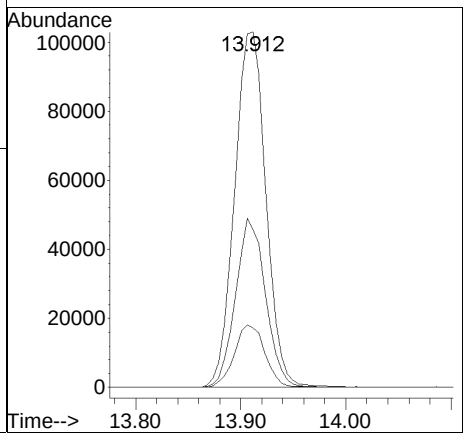


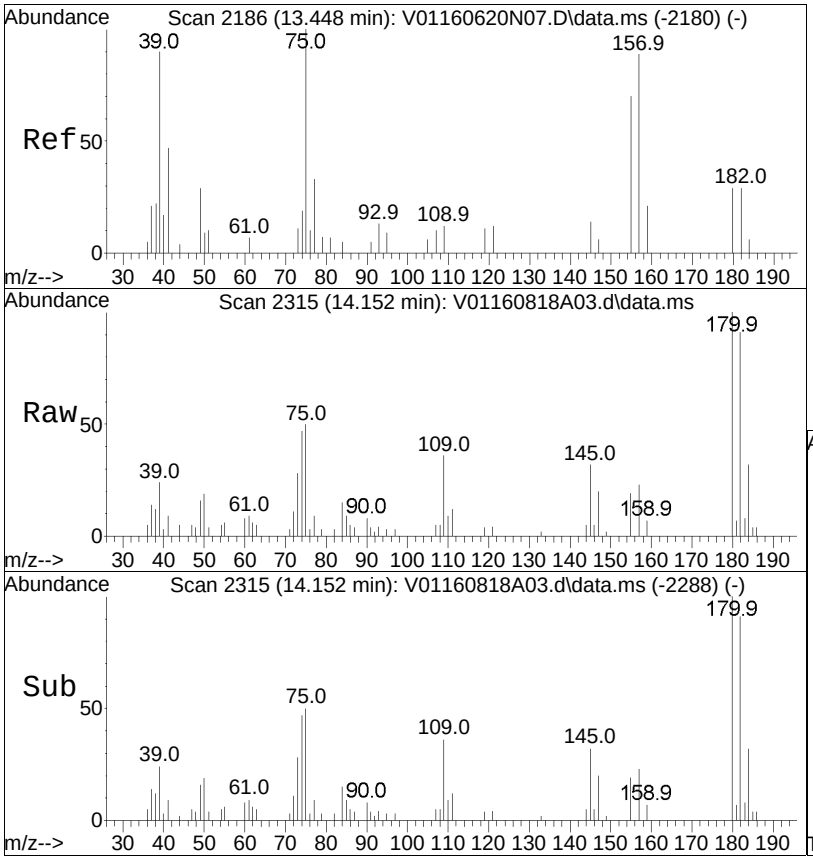


#105
1,2,4,5-Tetramethylbenzene
Concen: 9.30 ug/L
RT: 13.912 min Scan# 2271
Delta R.T. 0.001 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:119 Resp: 213261

Ion	Ratio	Lower	Upper
119	100		
134	45.6	29.9	62.1
91	17.2	10.4	21.6

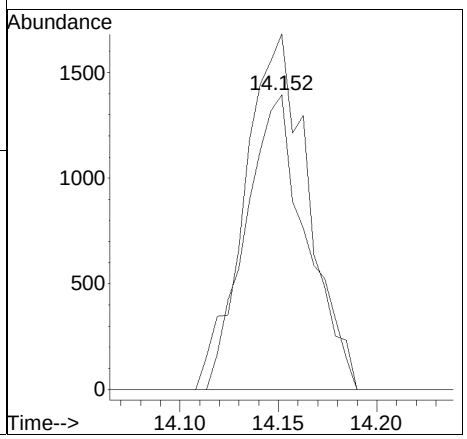


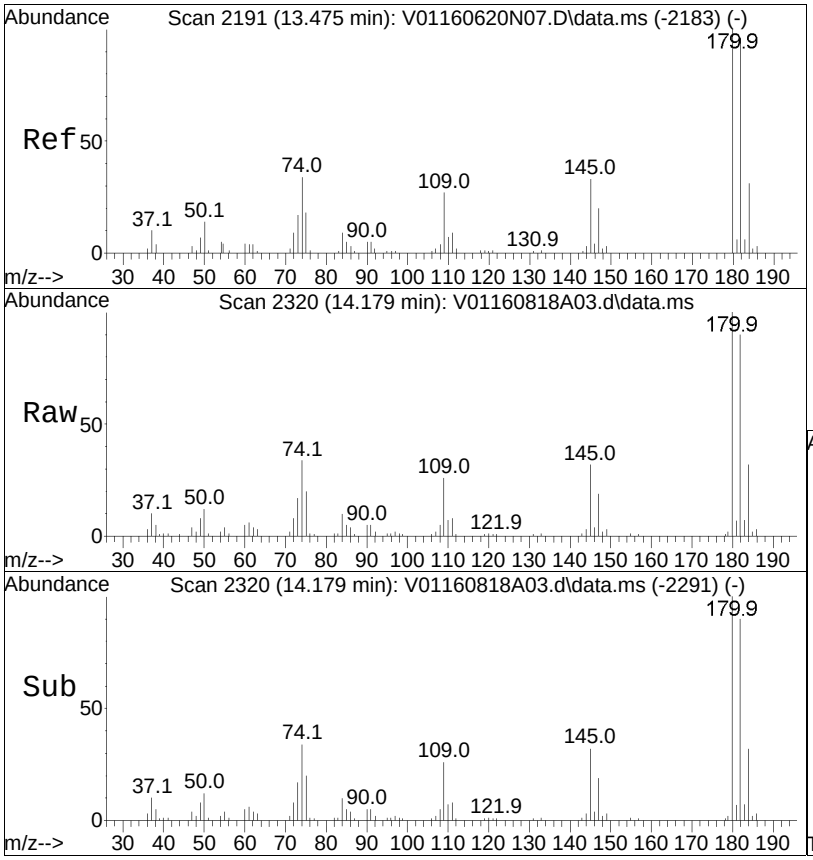


#106
1,2-Dibromo-3-chloropropane
Concen: 6.92 ug/L
RT: 14.152 min Scan# 2315
Delta R.T. -0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:155 Resp: 2997

Ion	Ratio	Lower	Upper
155	100		
157	125.6	101.8	152.6

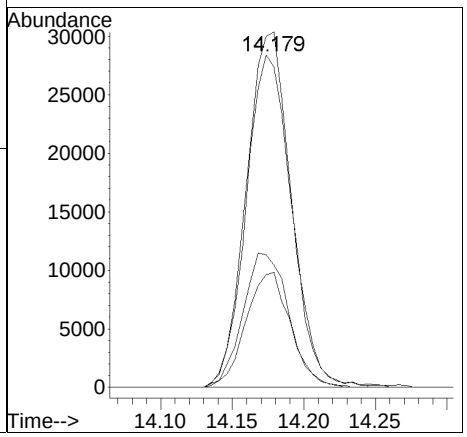


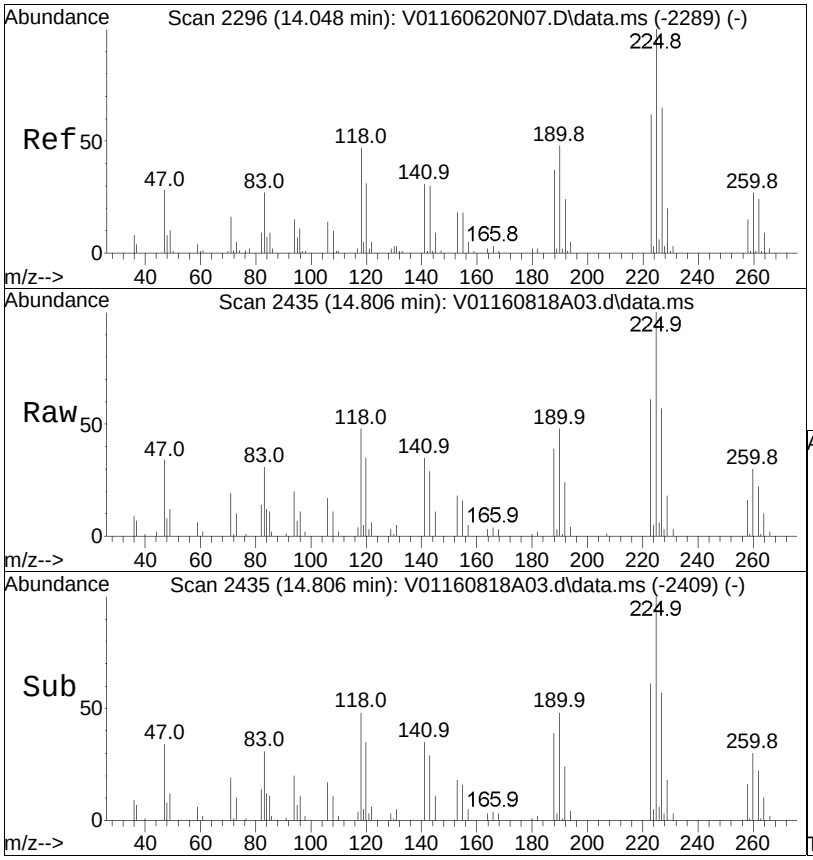


#107
1,3,5-Trichlorobenzene
Concen: 9.16 ug/L
RT: 14.179 min Scan# 2320
Delta R.T. 0.006 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:180 Resp: 66569

Ion	Ratio	Lower	Upper
180	100		
182	94.1	61.7	128.1
145	32.0	20.2	41.9
74	38.3	21.3	44.1

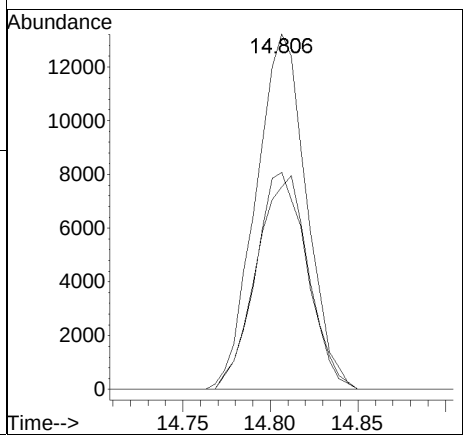


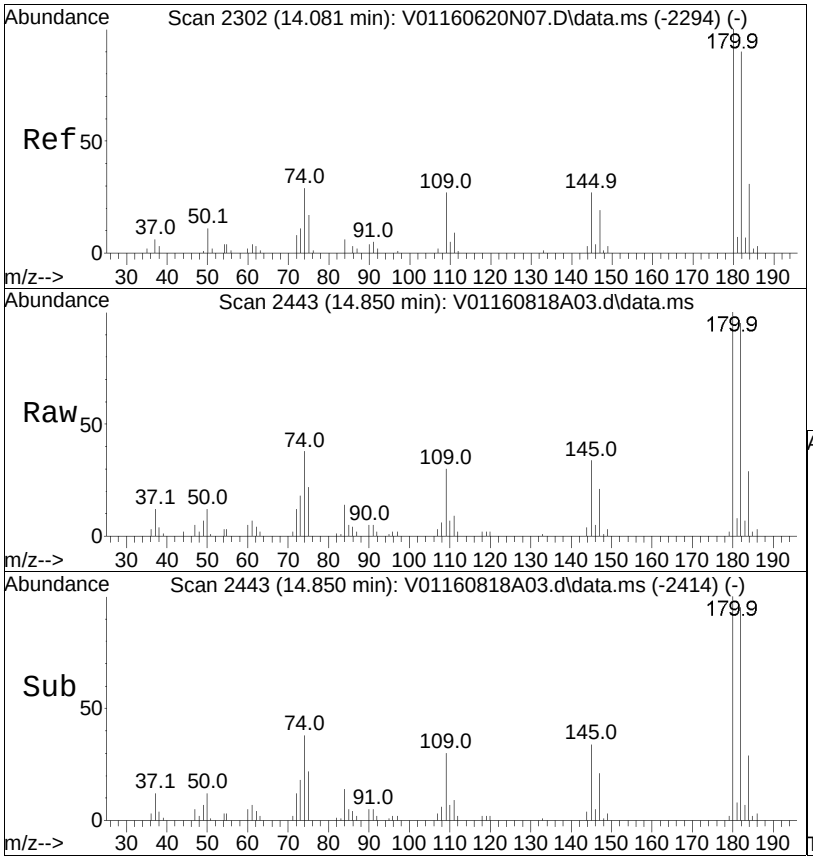


#108
Hexachlorobutadiene
Concen: 11.42 ug/L
RT: 14.806 min Scan# 2435
Delta R.T. -0.006 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:225 Resp: 26583

Ion	Ratio	Lower	Upper
225	100		
223	62.1	51.0	76.4
227	62.7	51.8	77.8

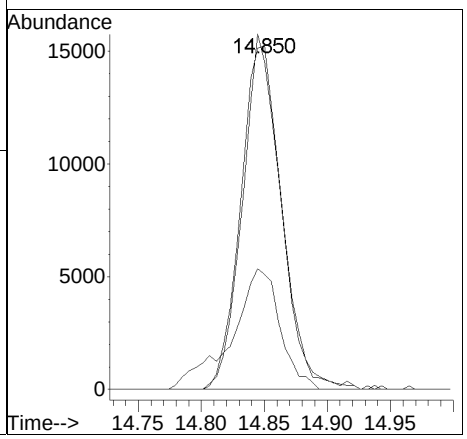


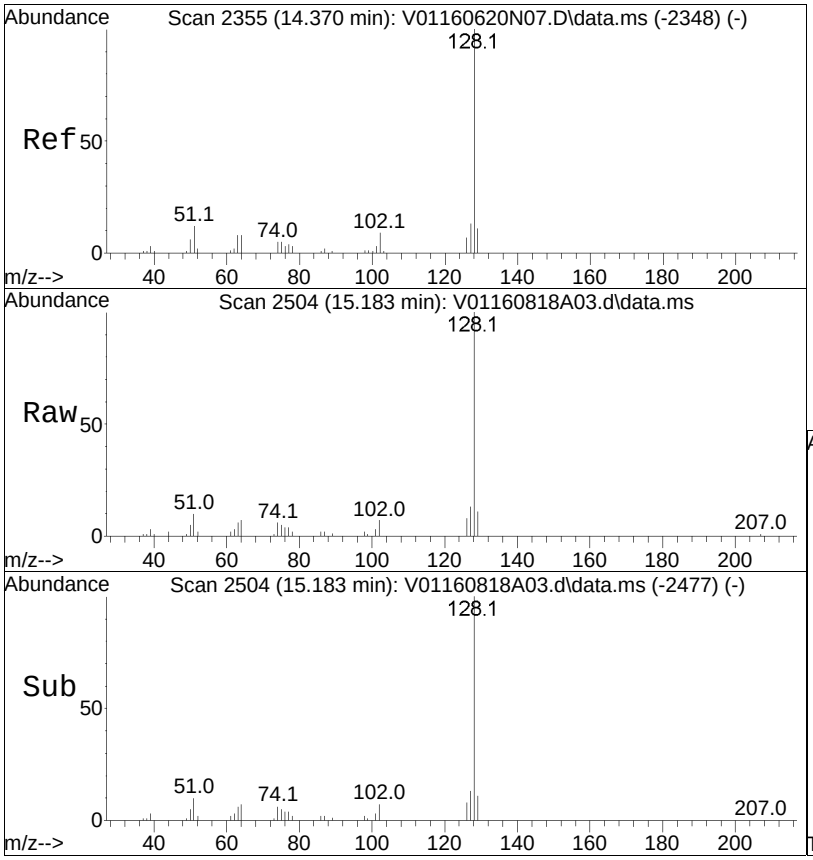


#109
1,2,4-Trichlorobenzene
Concen: 7.74 ug/L
RT: 14.850 min Scan# 2443
Delta R.T. 0.006 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:180 Resp: 34851

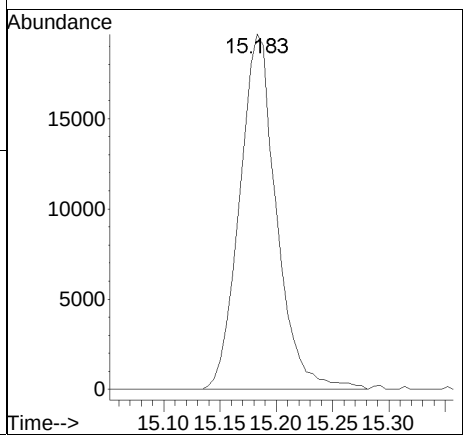
Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.1	114.1
145	41.2	29.0	43.6

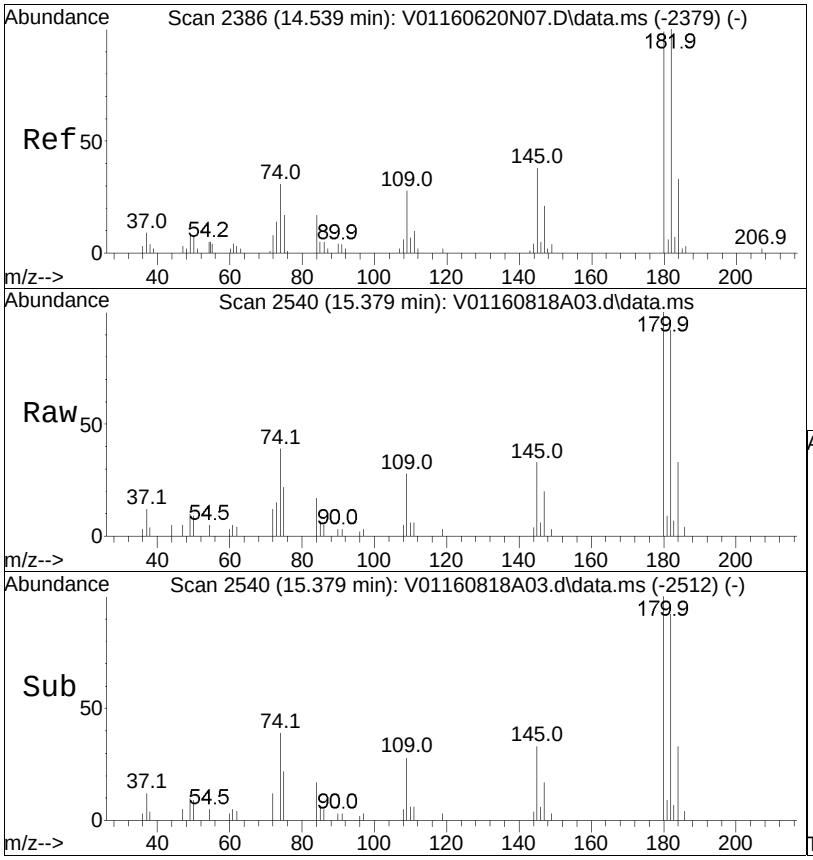




#110
Naphthalene
Concen: 6.66 ug/L
RT: 15.183 min Scan# 2504
Delta R.T. -0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:128 Resp: 44987

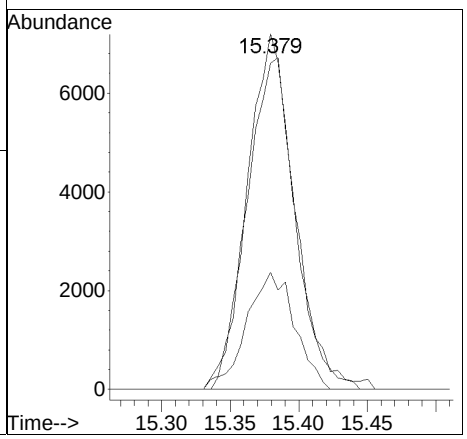




#111
1,2,3-Trichlorobenzene
Concen: 6.79 ug/L
RT: 15.379 min Scan# 2540
Delta R.T. 0.000 min
Lab File: V01160818A03.d
Acq: 18 Aug 2016 9:08 am

Tgt Ion:180 Resp: 17324

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.6	115.0
145	33.1	27.4	41.0

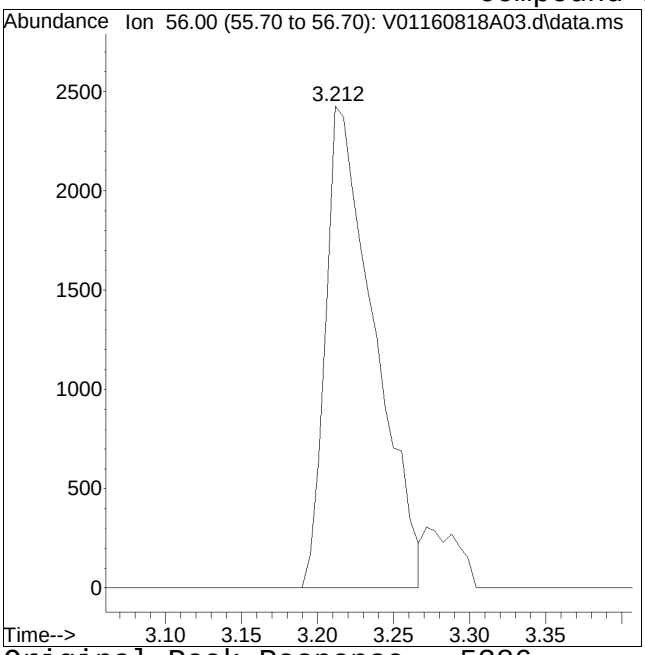


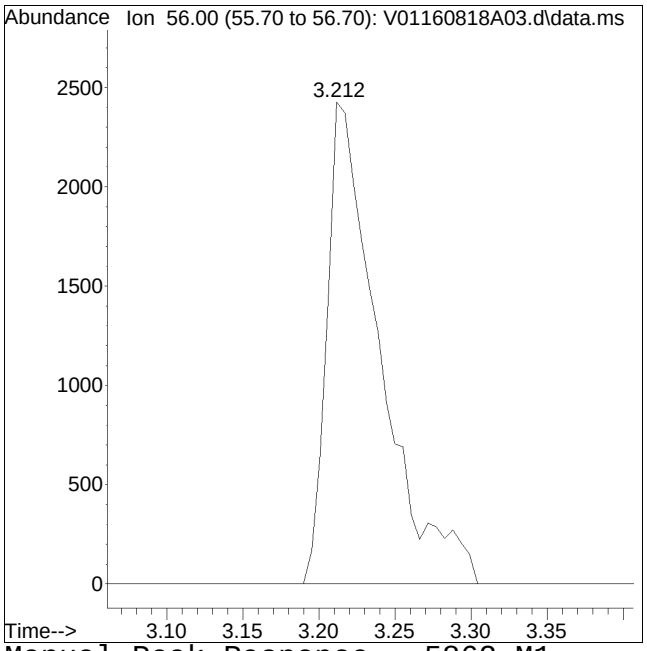
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1Q
Data File : V01160818A03.d
Date Inj'd : 8/18/2016 9:08 am
Sample : WG923932-4,31,10,10

Method : V101_160809_8260.m
Operator : VOA101:PD
Instrument : VOA 101
Quant Date : 8/18/2016 9:37 am

Compound #14: Acrolein





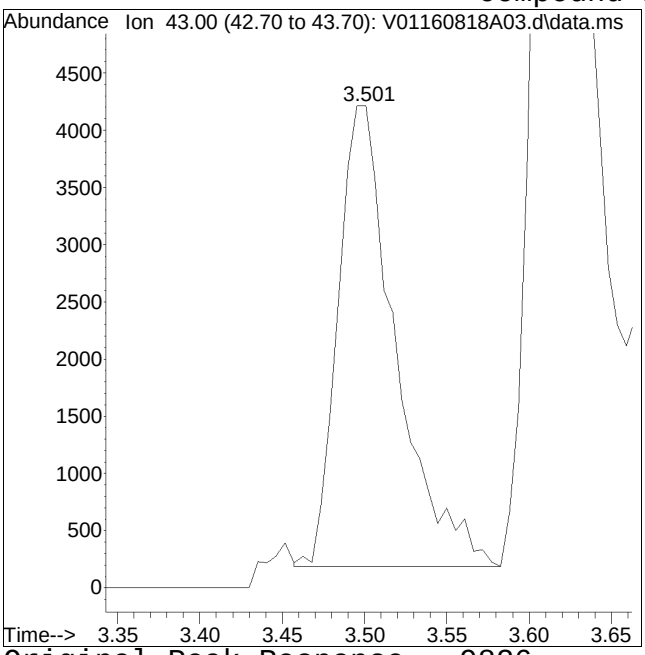
Original Peak Response = 5386 Manual Peak Response = 5862 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

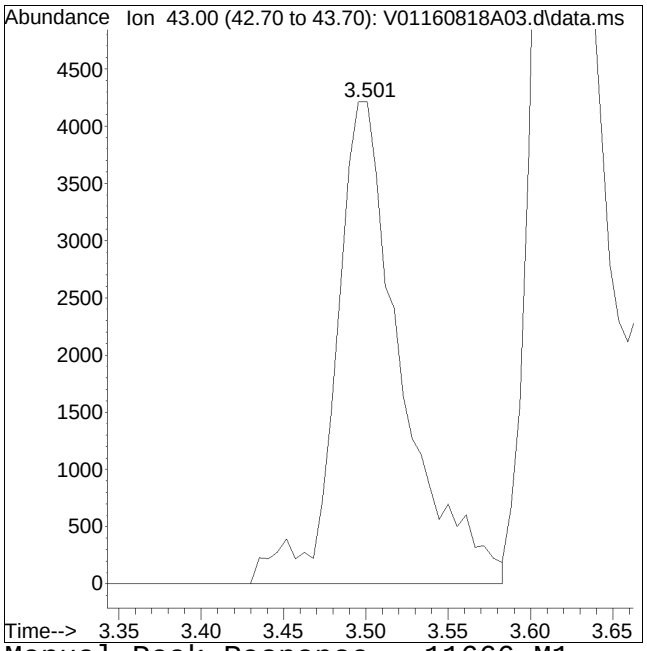
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1QMethod : V101_160809_8260.m
Data File : V01160818A03.d Operator : VOA101:PD
Date Inj'd : 8/18/2016 9:08 am Instrument : VOA 101
Sample : WG923932-4,31,10,10 Quant Date : 8/18/2016 9:37 am

Compound #17: Acetone



Original Peak Response = 9826



Manual Peak Response = 11666 M1

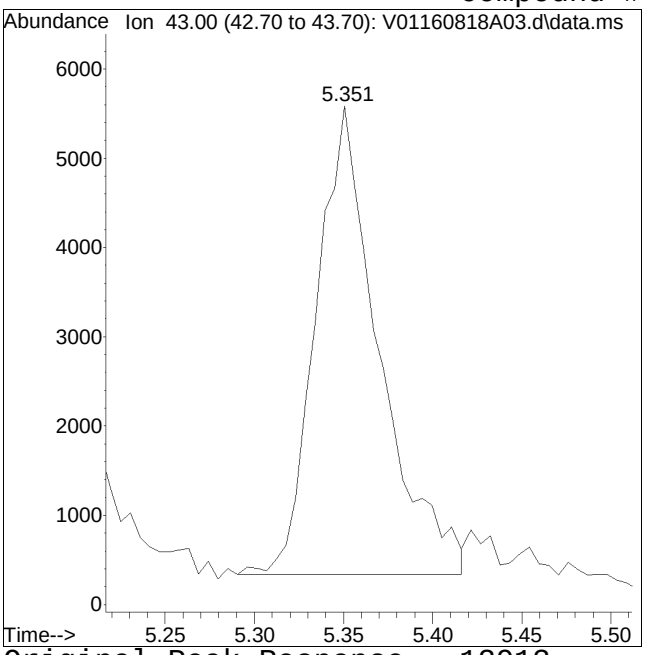
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

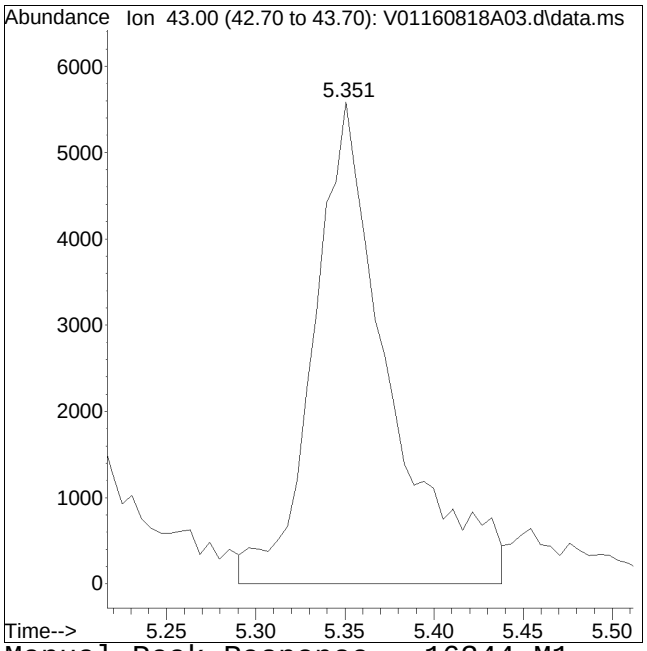
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1Q
Data File : V01160818A03.d
Date Inj'd : 8/18/2016 9:08 am
Sample : WG923932-4,31,10,10

Method : V101_160809_8260.m
Operator : VOA101:PD
Instrument : VOA 101
Quant Date : 8/18/2016 9:37 am

Compound #39: 2-Butanone





Original Peak Response = 12913 Manual Peak Response = 16344 M1

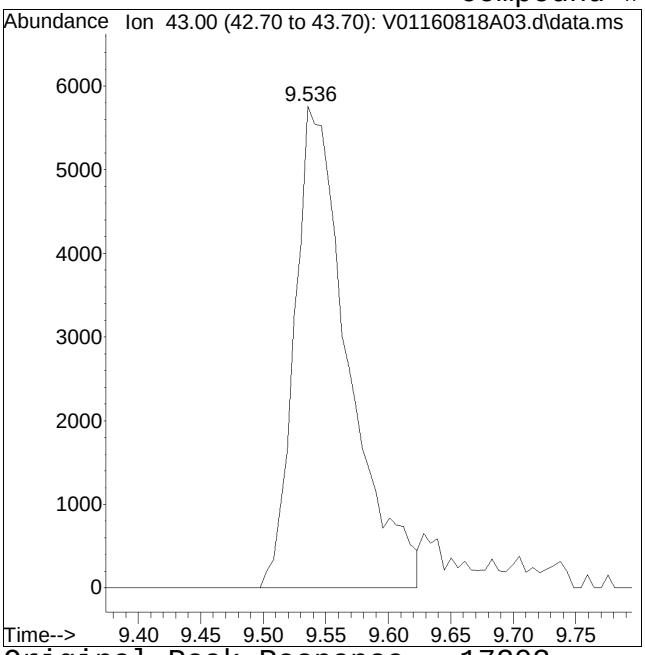
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

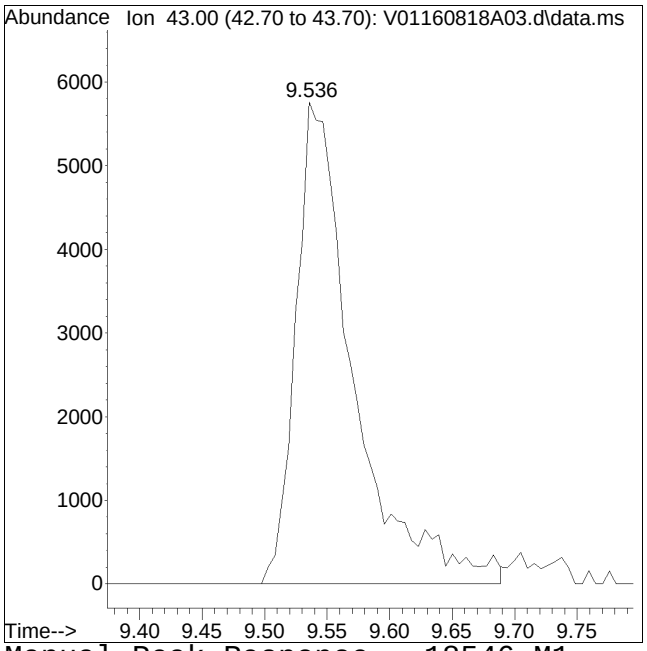
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1Q
Data File : V01160818A03.d
Date Inj'd : 8/18/2016 9:08 am
Sample : WG923932-4,31,10,10

Method : V101_160809_8260.m
Operator : VOA101:PD
Instrument : VOA 101
Quant Date : 8/18/2016 9:37 am

Compound #72: 2-Hexanone





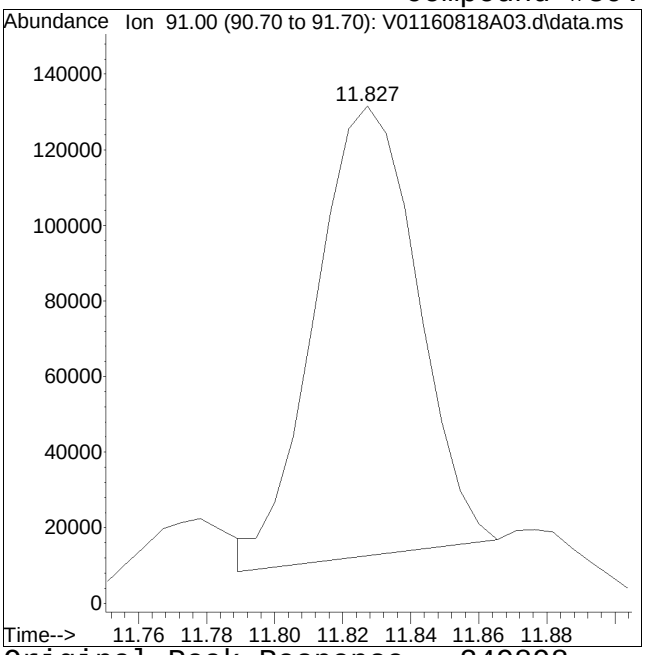
Original Peak Response = 17203 Manual Peak Response = 18546 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

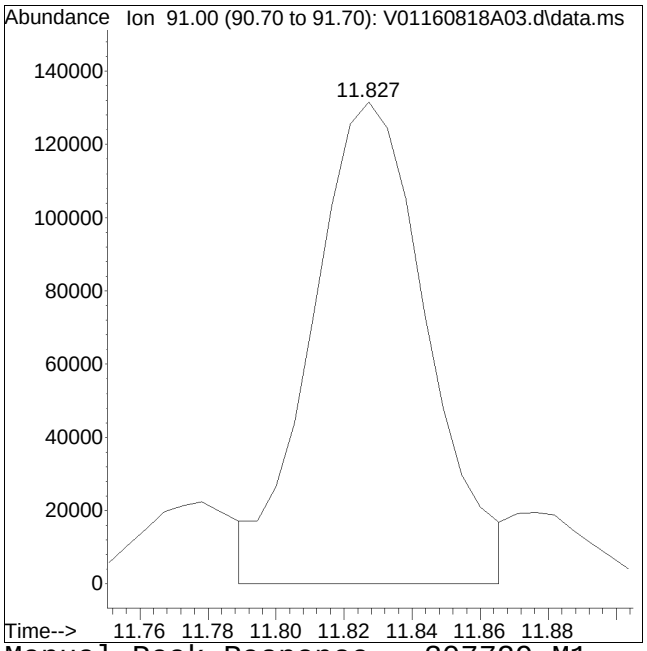
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1QMethod : V101_160809_8260.m
Data File : V01160818A03.d Operator : VOA101:PD
Date Inj'd : 8/18/2016 9:08 am Instrument : VOA 101
Sample : WG923932-4,31,10,10 Quant Date : 8/18/2016 9:37 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 249898



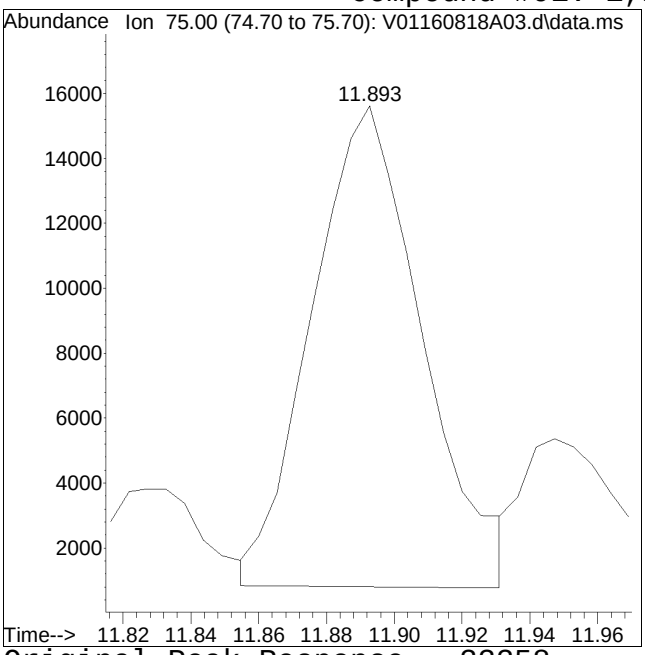
Manual Peak Response = 307729 M1

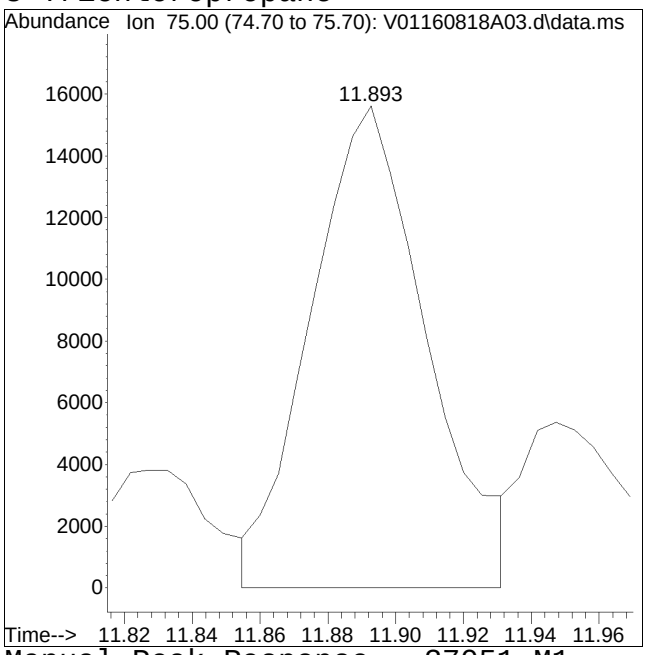
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2016\1QMethod : V101_160809_8260.m
Data File : V01160818A03.d Operator : VOA101:PD
Date Inj'd : 8/18/2016 9:08 am Instrument : VOA 101
Sample : WG923932-4,31,10,10 Quant Date : 8/18/2016 9:37 am

Compound #91: 1,2,3-Trichloropropane





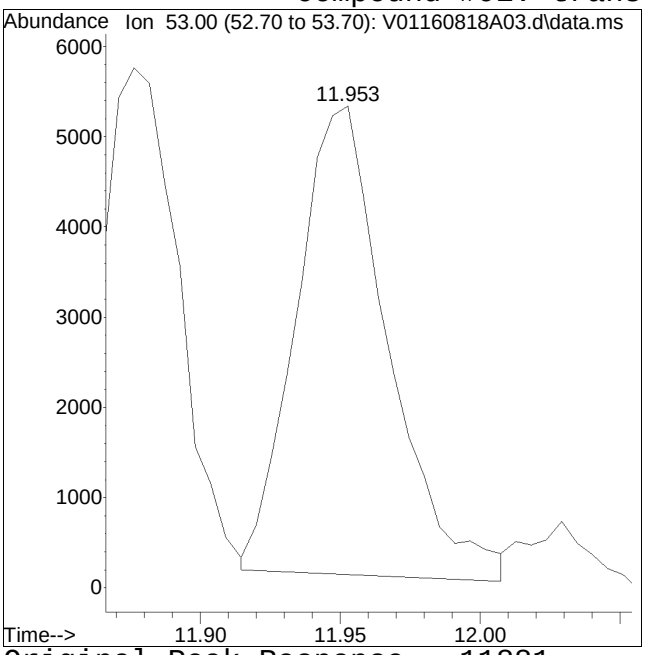
Original Peak Response = 33358 Manual Peak Response = 37051 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

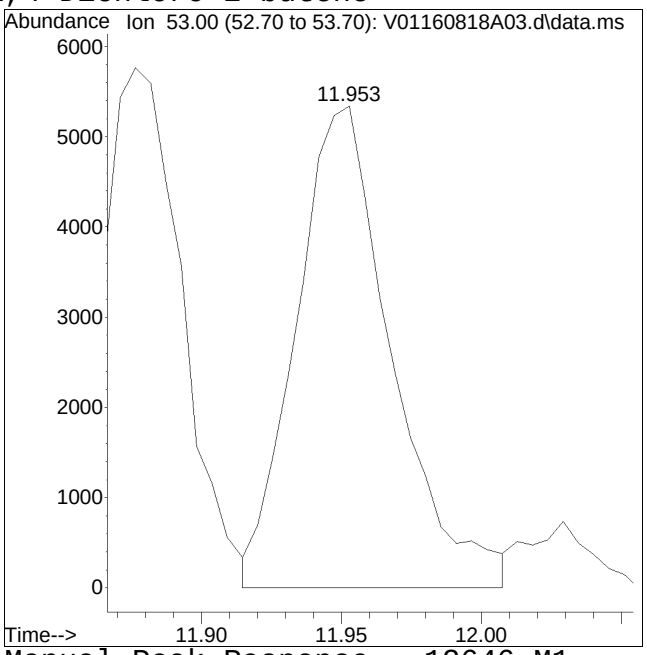
Data Path : I:\VOLATILES\VOA101\2016\1Q
Data File : V01160818A03.d
Date Inj'd : 8/18/2016 9:08 am
Sample : WG923932-4,31,10,10

Method : V101_160809_8260.m
Operator : VOA101:PD
Instrument : VOA 101
Quant Date : 8/18/2016 9:37 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 11881



Manual Peak Response = 12646 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Matrix Spike / Matrix Spike Duplicate Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A18.d
Acq On : 18 Aug 2016 16:10
Operator : VOA101:PK
Sample : WG923932-6,31,10,10,,a1
Misc : WG923932,ICAL12752
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 18 20:48:36 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.081	96	415975	10.000	ug/L	0.00
Standard Area 1 = 614919			Recovery = 67.65%			
59) Chlorobenzene-d5	9.906	117	287780	10.000	ug/L	0.00
Standard Area 1 = 416180			Recovery = 69.15%			
79) 1,4-Dichlorobenzene-d4	12.793	152	127131	10.000	ug/L	0.00
Standard Area 1 = 172755			Recovery = 73.59%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.219	113	103238	9.696	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.96%			
43) 1,2-Dichloroethane-d4	5.776	65	116026	9.478	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.78%			
60) Toluene-d8	7.898	98	395536	10.194	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.94%			
83) 4-Bromofluorobenzene	11.483	95	136229	10.757	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.57%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.591	85	79189	8.800	ug/L	99
3) Chloromethane	1.771	50	120072	9.942	ug/L	99
4) Vinyl chloride	1.847	62	144555	11.669	ug/L	96
5) Bromomethane	2.147	94	58116	7.998	ug/L	99
6) Chloroethane	2.262	64	94969	11.534	ug/L	100
7) Trichlorofluoromethane	2.404	101	160131	11.178	ug/L	100
8) Ethyl ether	2.699	74	37858	9.815	ug/L	95
10) 1,1-Dichloroethene	2.889	96	88505	10.698	ug/L	90
11) Carbon disulfide	2.922	76	289830	9.961	ug/L	100
12) Freon-113	2.933	101	78454	10.139	ug/L #	55
13) Iodomethane	3.031	142	65460	7.890	ug/L	97
14) Acrolein	3.217	56	6270	9.532	ug/L #	77
15) Methylene chloride	3.451	84	89602	10.098	ug/L	98
17) Acetone	3.495	43	13028	11.821	ug/L	91
18) trans-1,2-Dichloroethene	3.610	96	95770	10.704	ug/L	97
19) Methyl acetate	3.615	43	27382	9.244	ug/L #	88
20) Methyl tert-butyl ether	3.702	73	175034	9.917	ug/L	96
21) tert-Butyl alcohol	3.795	59	11538	57.451	ug/L #	93
22) Diisopropyl ether	4.068	45	341588	10.676	ug/L	99
23) 1,1-Dichloroethane	4.210	63	187711	10.999	ug/L	98
24) Halothane	4.264	117	62273	10.596	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A18.d
Acq On : 18 Aug 2016 16:10
Operator : VOA101:PK
Sample : WG923932-6,31,10,10,,a1
Misc : WG923932,ICAL12752
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 18 20:48:36 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.264	53	15097	9.783	ug/L		95
26) Ethyl tert-butyl ether	4.434	59	251109	9.904	ug/L		98
27) Vinyl acetate	4.455	43	155765	10.082	ug/L		99
28) cis-1,2-Dichloroethene	4.750	96	100379	10.617	ug/L		96
29) 2,2-Dichloropropane	4.859	77	154557	11.547	ug/L		95
30) Bromochloromethane	4.957	128	36090	10.591	ug/L		93
31) Cyclohexane	4.957	56	190981	10.871	ug/L		96
32) Chloroform	5.028	83	173586	10.852	ug/L		98
33) Ethyl acetate	5.148	43	44761	9.786	ug/L		97
34) Carbon tetrachloride	5.170	117	140014	11.001	ug/L		98
35) Tetrahydrofuran	5.192	42	16077	10.095	ug/L		92
37) 1,1,1-Trichloroethane	5.241	97	170048	11.253	ug/L		98
39) 2-Butanone	5.345	43	16214	10.087	ug/L	#	70
40) 1,1-Dichloropropene	5.367	75	136289	11.215	ug/L		97
41) Benzene	5.634	78	381872	10.640	ug/L		99
42) tert-Amyl methyl ether	5.743	73	183630	9.653	ug/L		94
44) 1,2-Dichloroethane	5.852	62	111398	10.441	ug/L		97
47) Methyl cyclohexane	6.251	83	143950	9.853	ug/L		100
48) Trichloroethene	6.267	95	100584	10.513	ug/L		94
50) Dibromomethane	6.742	93	38988	10.098	ug/L		95
51) 1,2-Dichloropropane	6.851	63	91831	10.791	ug/L		95
53) 2-Chloroethyl vinyl ether	0.000		0	N.D.	d		
54) Bromodichloromethane	6.933	83	114270	10.519	ug/L		97
57) 1,4-Dioxane	7.162	88	4717	171.362	ug/L		94
58) cis-1,3-Dichloropropene	7.680	75	126337	10.259	ug/L		96
61) Toluene	7.964	92	238477	10.817	ug/L		96
62) 4-Methyl-2-pentanone	8.439	58	13589	9.314	ug/L		95
63) Tetrachloroethene	8.444	166	88687	10.630	ug/L		95
65) trans-1,3-Dichloropropene	8.493	75	98813	10.196	ug/L		97
67) Ethyl methacrylate	8.695	69	63802	10.037	ug/L		91
68) 1,1,2-Trichloroethane	8.695	83	44225	10.307	ug/L		96
69) Chlorodibromomethane	8.924	129	58269	9.681	ug/L		96
70) 1,3-Dichloropropane	9.044	76	94675	10.521	ug/L		100
71) 1,2-Dibromoethane	9.219	107	45616	9.990	ug/L		100
72) 2-Hexanone	9.535	43	22843	10.018	ug/L		99
73) Chlorobenzene	9.934	112	232185	10.280	ug/L		95
74) Ethylbenzene	9.972	91	460035	10.491	ug/L		96
75) 1,1,1,2-Tetrachloroethane	10.021	131	74393	9.887	ug/L		99
76) p/m Xylene	10.168	106	327590	20.136	ug/L		91
77) o Xylene	10.730	106	306044	19.845	ug/L		88

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A18.d
Acq On : 18 Aug 2016 16:10
Operator : VOA101:PK
Sample : WG923932-6,31,10,10,,a1
Misc : WG923932,ICAL12752
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 18 20:48:36 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	10.801	104	492242	19.235	ug/L		95
80)	Bromoform	10.834	173	27745	9.343	ug/L		98
82)	Isopropylbenzene	11.134	105	425473	11.003	ug/L		99
84)	Bromobenzene	11.603	156	77511	10.375	ug/L		100
85)	n-Propylbenzene	11.642	91	513724	10.858	ug/L		95
86)	1,4-Dichlorobutane	11.669	55	96329	10.689	ug/L		98
87)	1,1,2,2-Tetrachloroethane	11.740	83	47665	10.637	ug/L		100
88)	4-Ethyltoluene	11.778	105	404372	10.746	ug/L		100
89)	2-Chlorotoluene	11.827	91	242525	8.684	ug/L		95
90)	1,3,5-Trimethylbenzene	11.882	105	322584	10.407	ug/L	#	64
91)	1,2,3-Trichloropropane	11.892	75	36954	9.109	ug/L		95
92)	trans-1,4-Dichloro-2-b...	11.947	53	12632	8.666	ug/L		94
93)	4-Chlorotoluene	12.029	91	288749	10.697	ug/L	#	100
94)	tert-Butylbenzene	12.253	119	272378	10.673	ug/L		94
97)	1,2,4-Trimethylbenzene	12.334	105	316743	10.626	ug/L		97
98)	sec-Butylbenzene	12.454	105	400438	10.591	ug/L		100
99)	p-Isopropyltoluene	12.624	119	317948	10.421	ug/L		97
100)	1,3-Dichlorobenzene	12.711	146	148412	10.222	ug/L		100
101)	1,4-Dichlorobenzene	12.809	146	147441	10.247	ug/L		100
102)	p-Diethylbenzene	13.033	119	178387	10.364	ug/L		98
103)	n-Butylbenzene	13.098	91	284112	10.437	ug/L		97
104)	1,2-Dichlorobenzene	13.284	146	119969	10.225	ug/L		99
105)	1,2,4,5-Tetramethylben...	13.911	119	221212	10.343	ug/L		98
106)	1,2-Dibromo-3-chloropr...	14.157	155	4159	10.163	ug/L		90
107)	1,3,5-Trichlorobenzene	14.173	180	70156	10.346	ug/L		97
108)	Hexachlorobutadiene	14.806	225	21153	9.744	ug/L		97
109)	1,2,4-Trichlorobenzene	14.844	180	44333	10.559	ug/L		97
110)	Naphthalene	15.183	128	63334	10.050	ug/L		100
111)	1,2,3-Trichlorobenzene	15.379	180	24285	10.210	ug/L		98

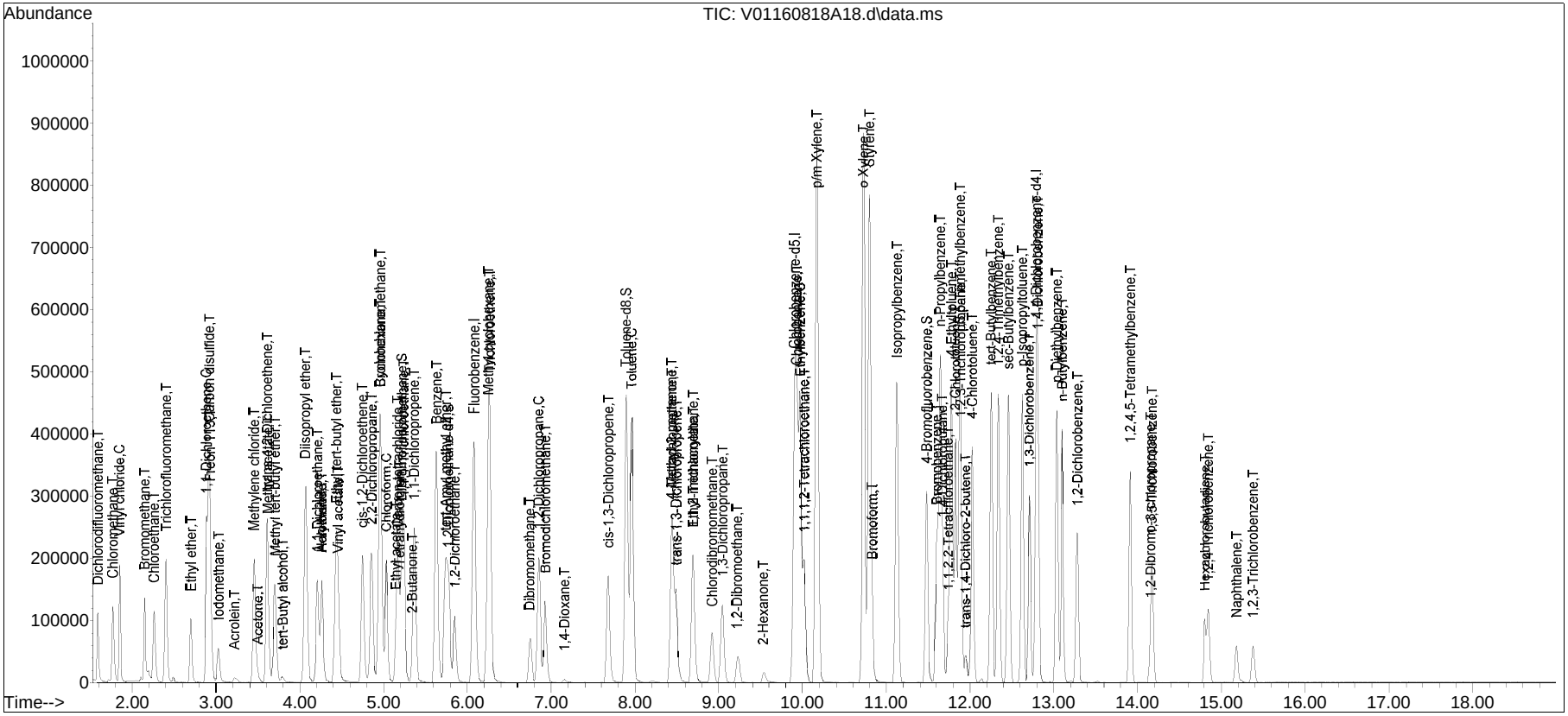
(#) = qualifier out of range (m) = manual integration (+) = signals summed

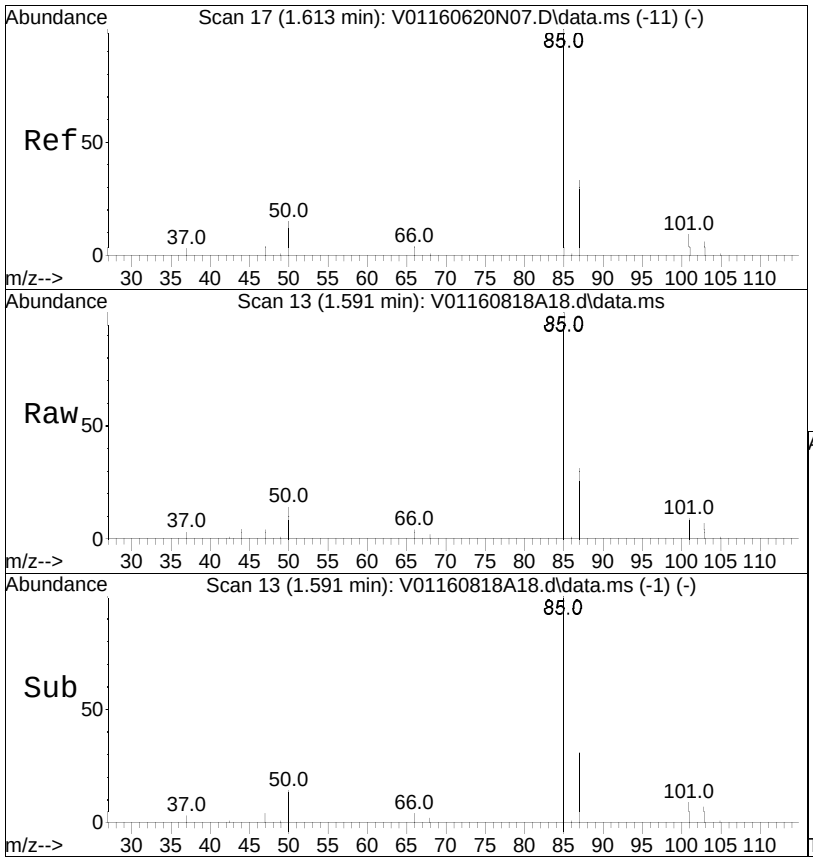
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A18.d
Acq On : 18 Aug 2016 16:10
Operator : VOA101:PK
Sample : WG923932-6,31,10,10,,a1
Misc : WG923932,ICAL12752
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 18 20:48:36 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox60818A\V01160818A02.d•

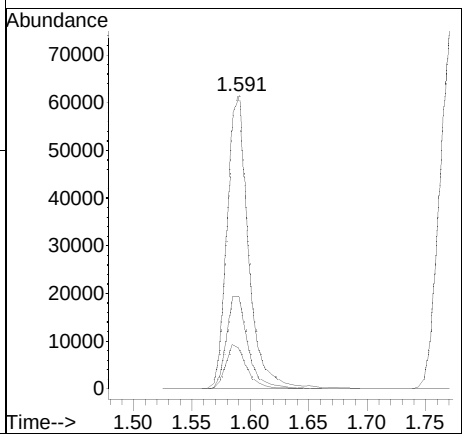


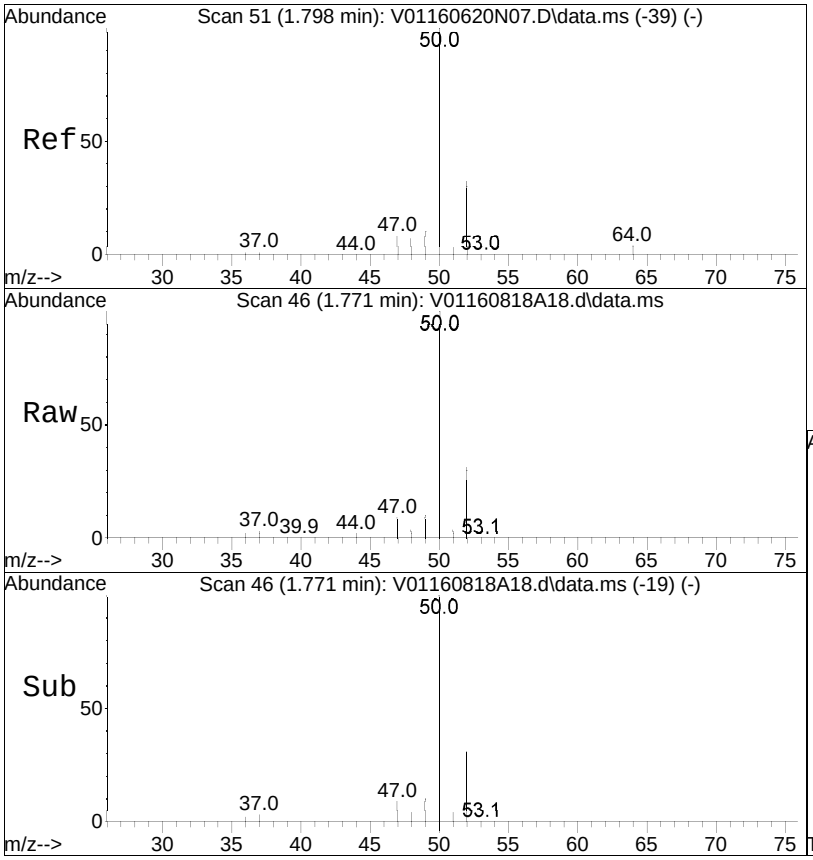


#2
Dichlorodifluoromethane
Concen: 8.80 ug/L
RT: 1.591 min Scan# 13
Delta R.T. 0.006 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 85 Resp: 79189

Ion	Ratio	Lower	Upper
85	100		
87	31.6	20.8	43.2
50	14.8	9.0	18.8

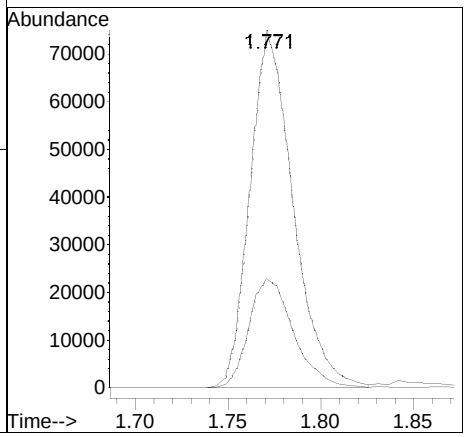


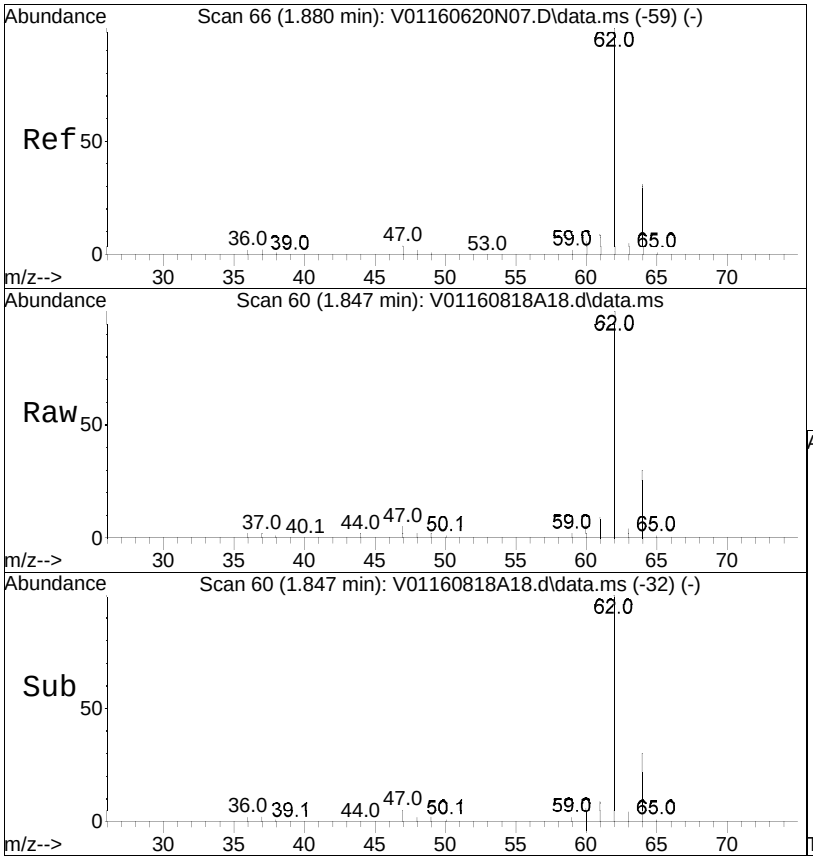


#3
Chloromethane
Concen: 9.94 ug/L
RT: 1.771 min Scan# 46
Delta R.T. -0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 50 Resp: 120072

Ion	Ratio	Lower	Upper
50	100		
52	31.8	11.1	51.1

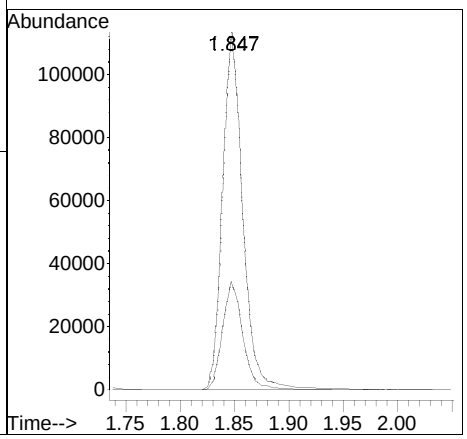


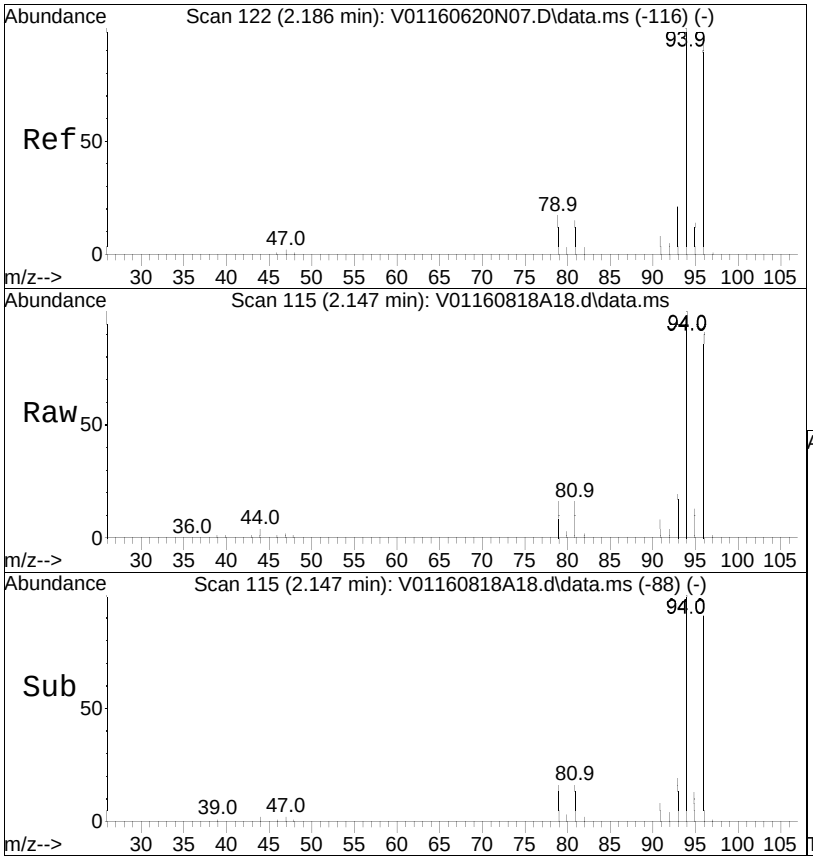


#4
Vinyl chloride
Concen: 11.67 ug/L
RT: 1.847 min Scan# 60
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 62 Resp: 144555

Ion	Ratio	Lower	Upper
62	100		
64	30.7	13.0	53.0

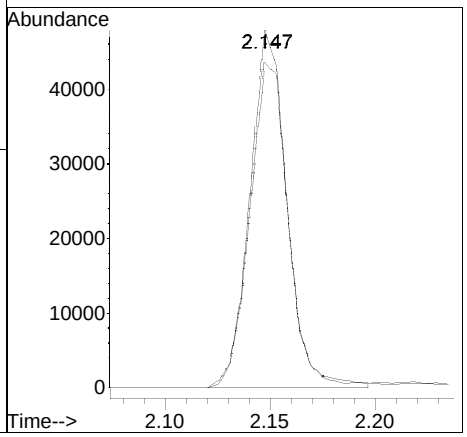


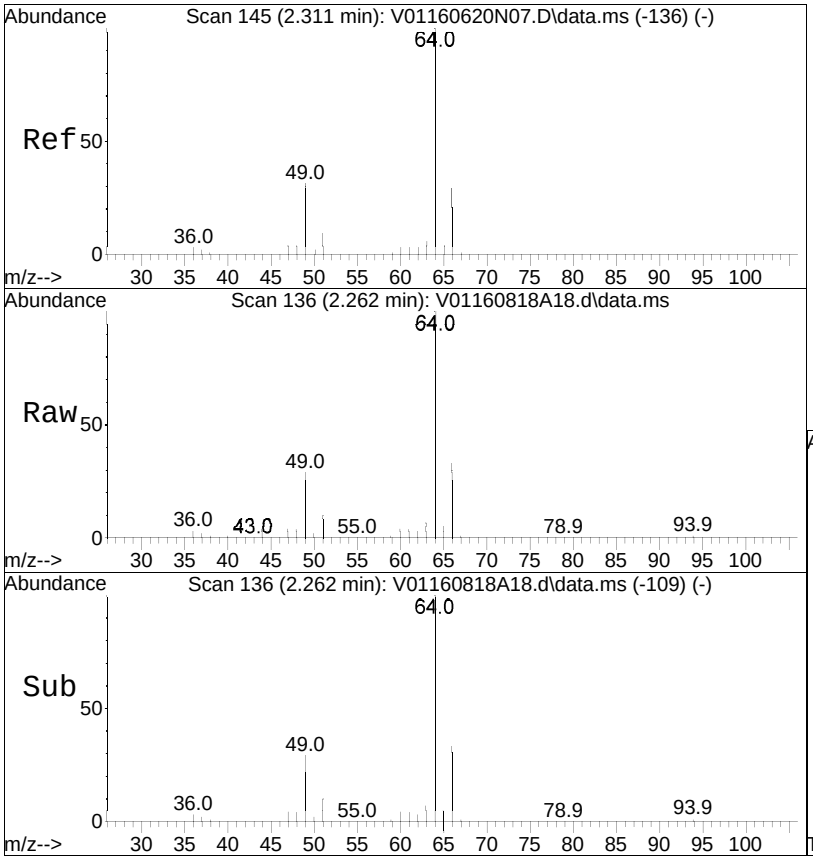


#5
Bromomethane
Concen: 8.00 ug/L
RT: 2.147 min Scan# 115
Delta R.T. -0.001 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 94 Resp: 58116

Ion	Ratio	Lower	Upper
94	100		
96	94.2	73.1	113.1

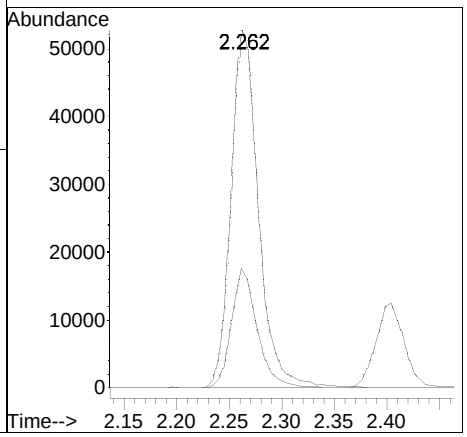


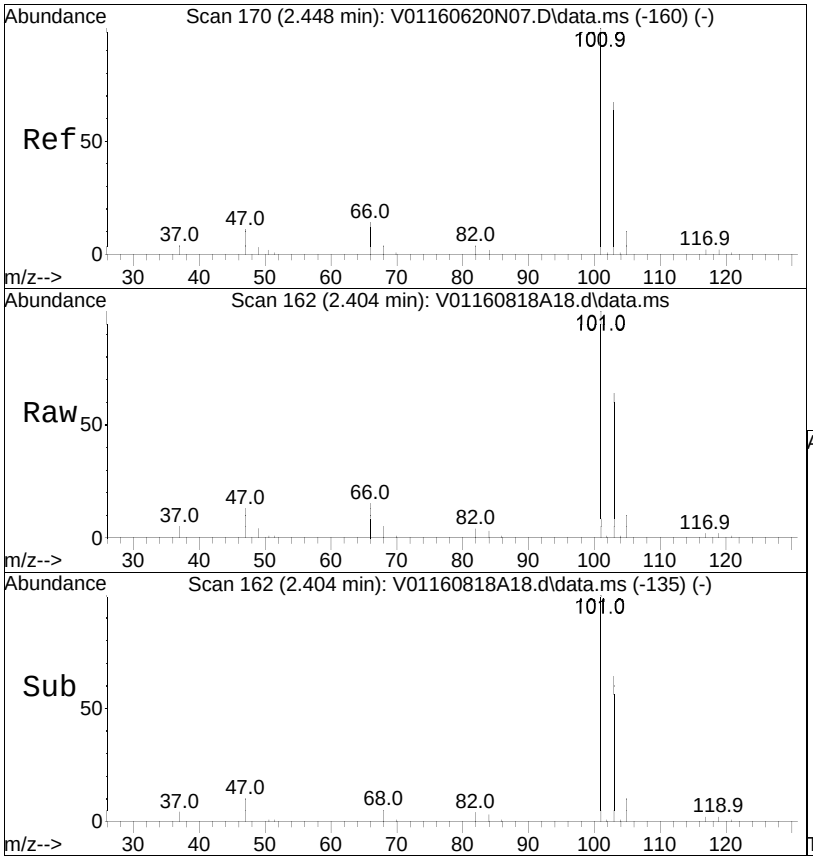


#6
Chloroethane
Concen: 11.53 ug/L
RT: 2.262 min Scan# 136
Delta R.T. -0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 64 Resp: 94969

Ion	Ratio	Lower	Upper
64	100		
66	31.6	11.4	51.4

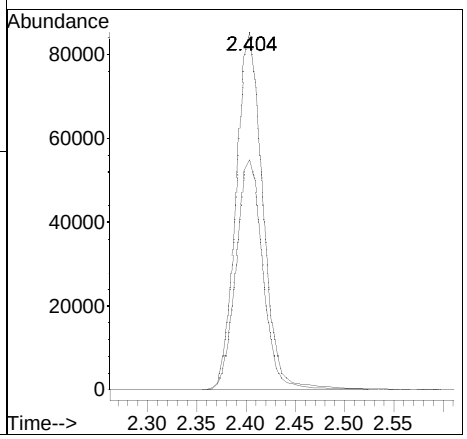


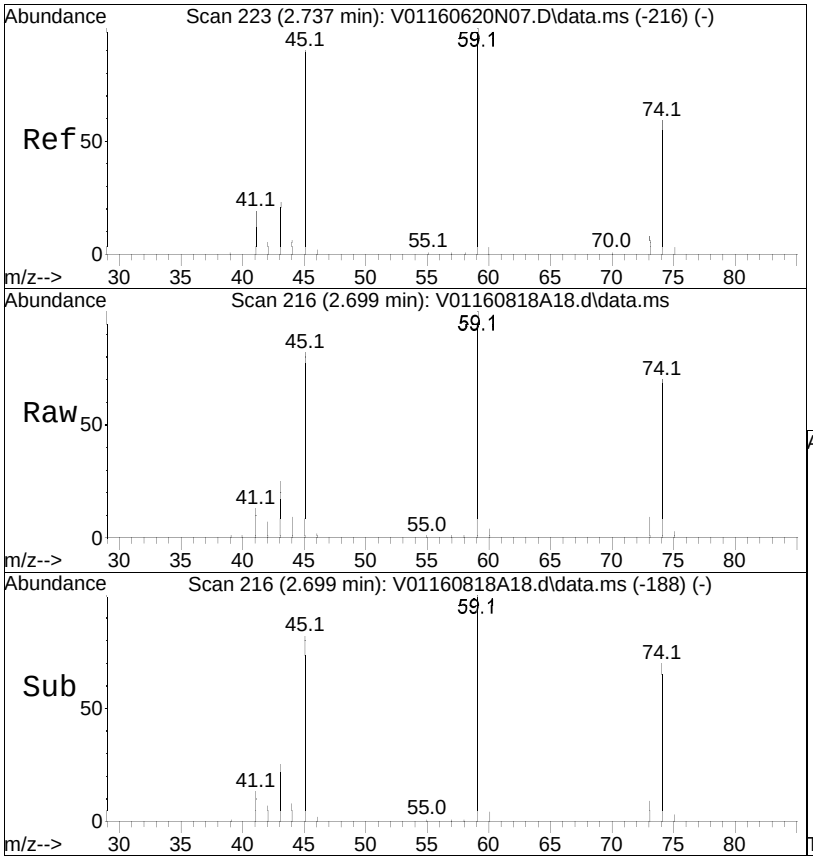


#7
Trichlorofluoromethane
Concen: 11.18 ug/L
RT: 2.404 min Scan# 162
Delta R.T. -0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:101 Resp: 160131

Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.8	77.6

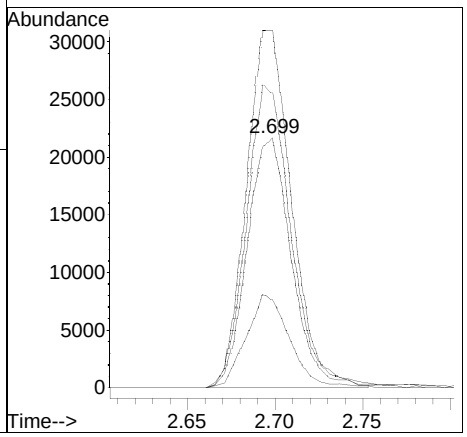


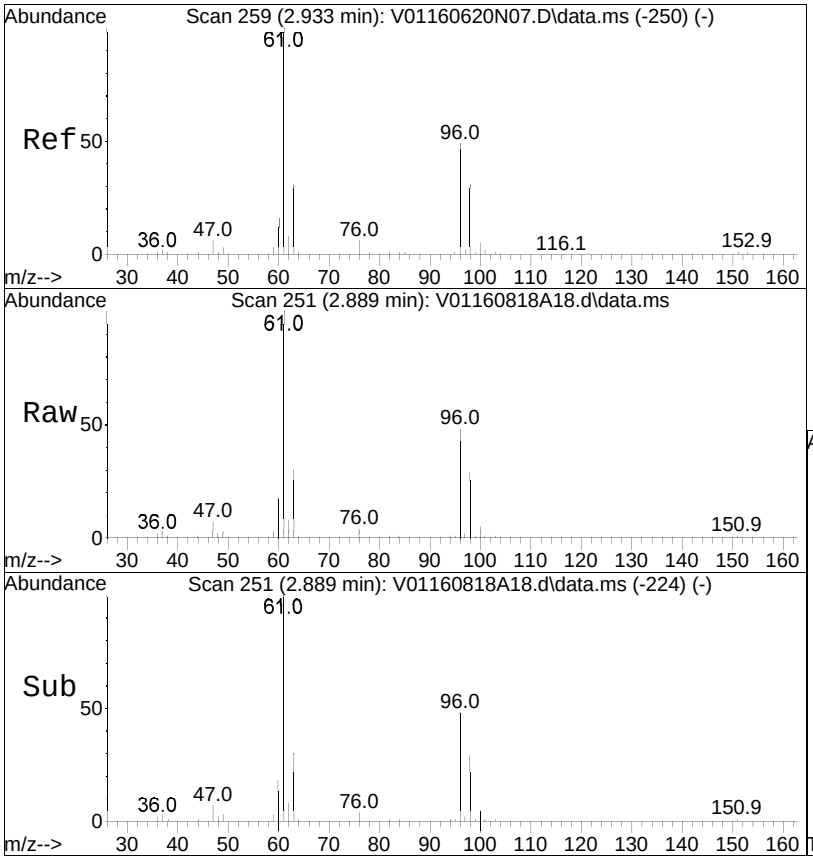


#8
Ethyl ether
Concen: 9.81 ug/L
RT: 2.699 min Scan# 216
Delta R.T. 0.006 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 74 Resp: 37858

Ion	Ratio	Lower	Upper
74	100		
59	147.8	100.4	208.6
45	122.0	84.4	175.4
43	36.9	24.2	50.2

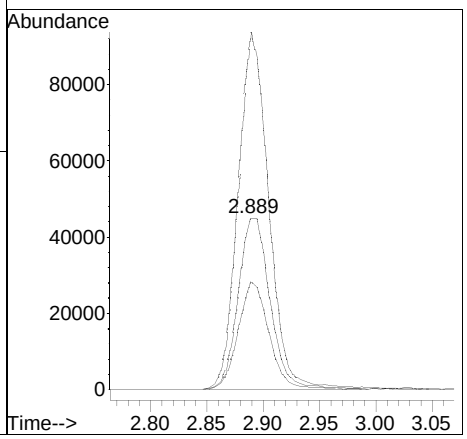


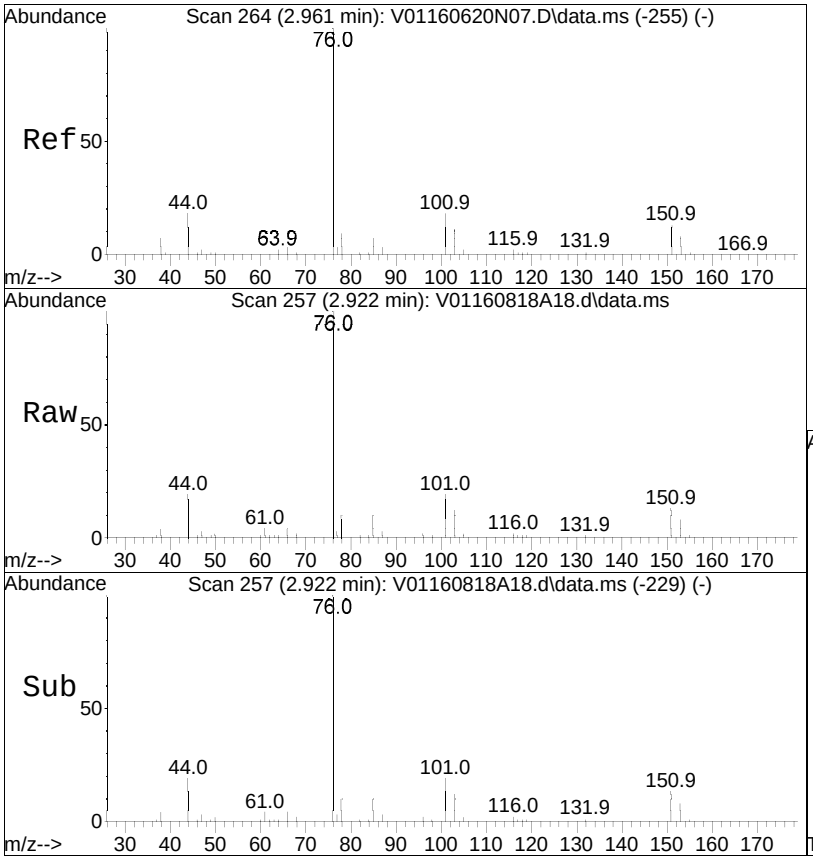


#10
1,1-Dichloroethene
Concen: 10.70 ug/L
RT: 2.889 min Scan# 251
Delta R.T. -0.001 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 96 Resp: 88505

Ion	Ratio	Lower	Upper
96	100		
61	198.9	145.4	218.2
63	60.5	45.7	68.5

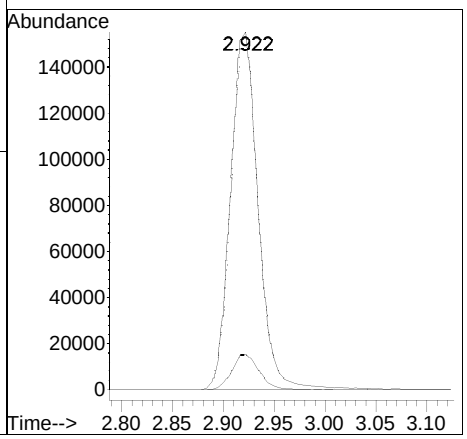


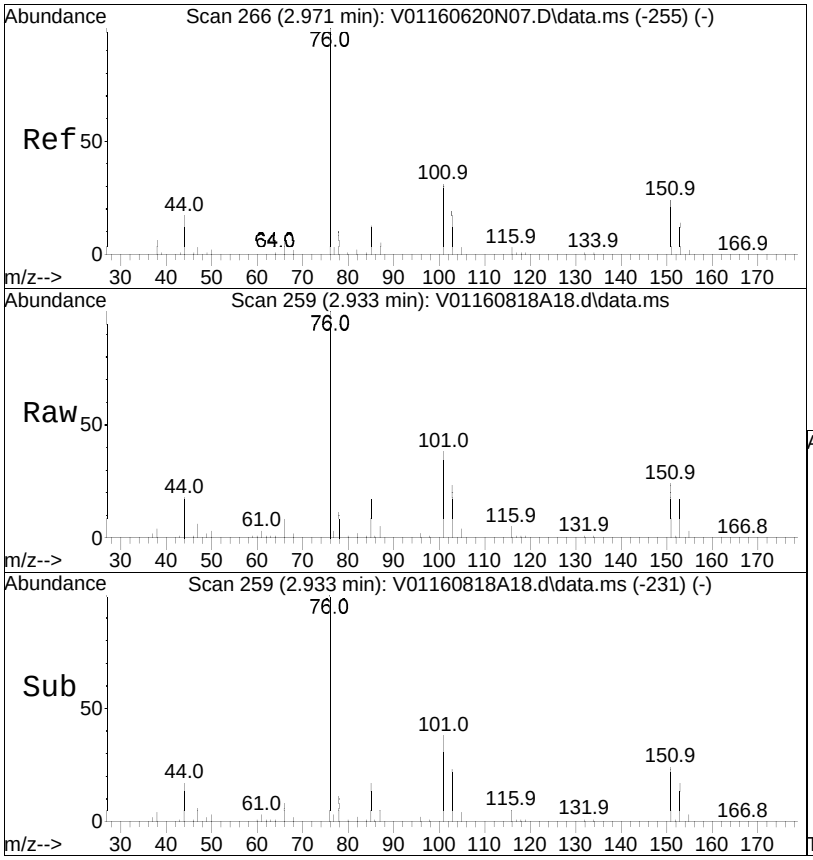


#11
Carbon disulfide
Concen: 9.96 ug/L
RT: 2.922 min Scan# 257
Delta R.T. 0.005 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 76 Resp: 289830

Ion	Ratio	Lower	Upper
76	100		
78	10.0	6.5	13.5

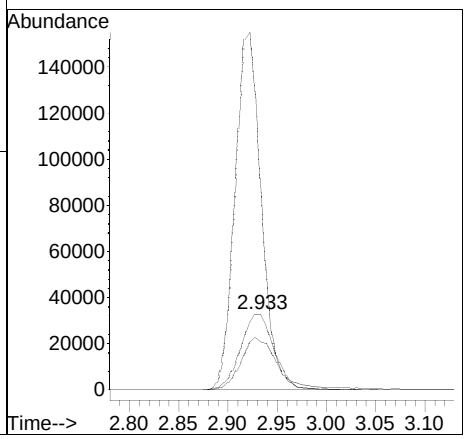


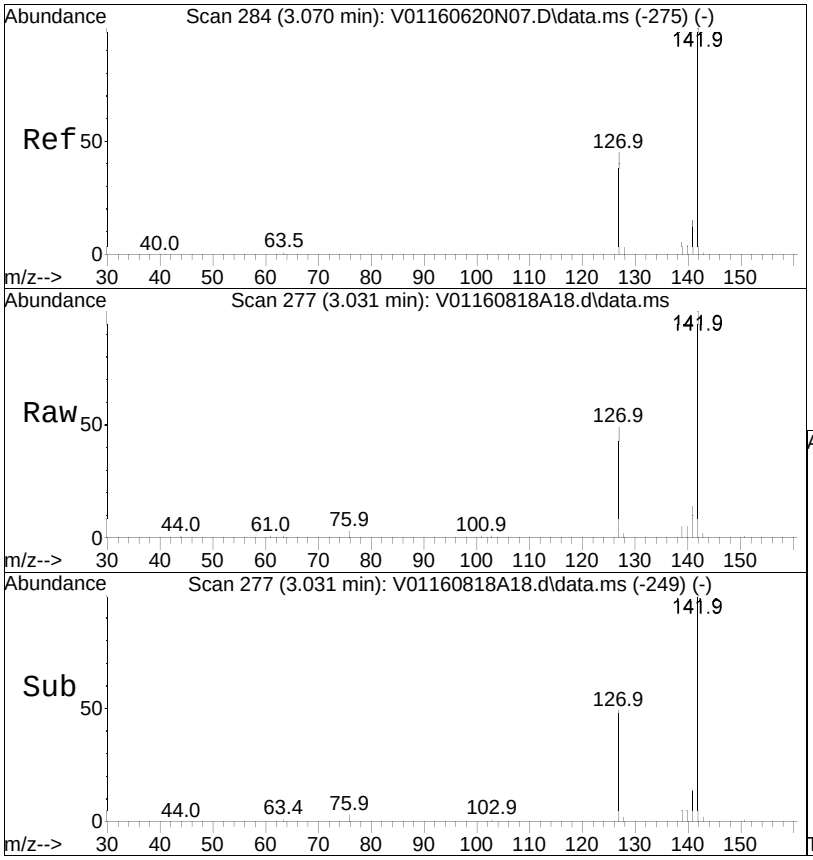


#12
Freon-113
Concen: 10.14 ug/L
RT: 2.933 min Scan# 259
Delta R.T. 0.005 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:101 Resp: 78454

Ion	Ratio	Lower	Upper
101	100		
151	70.4	58.7	88.1
76	370.0	214.3	321.5#

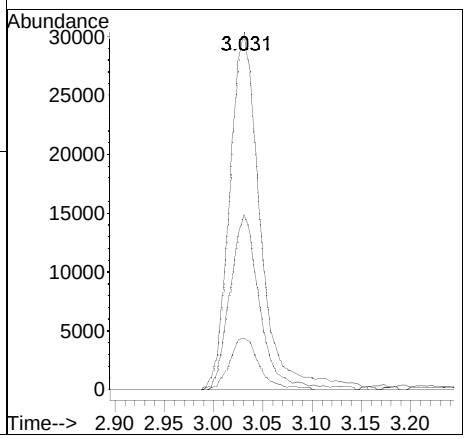


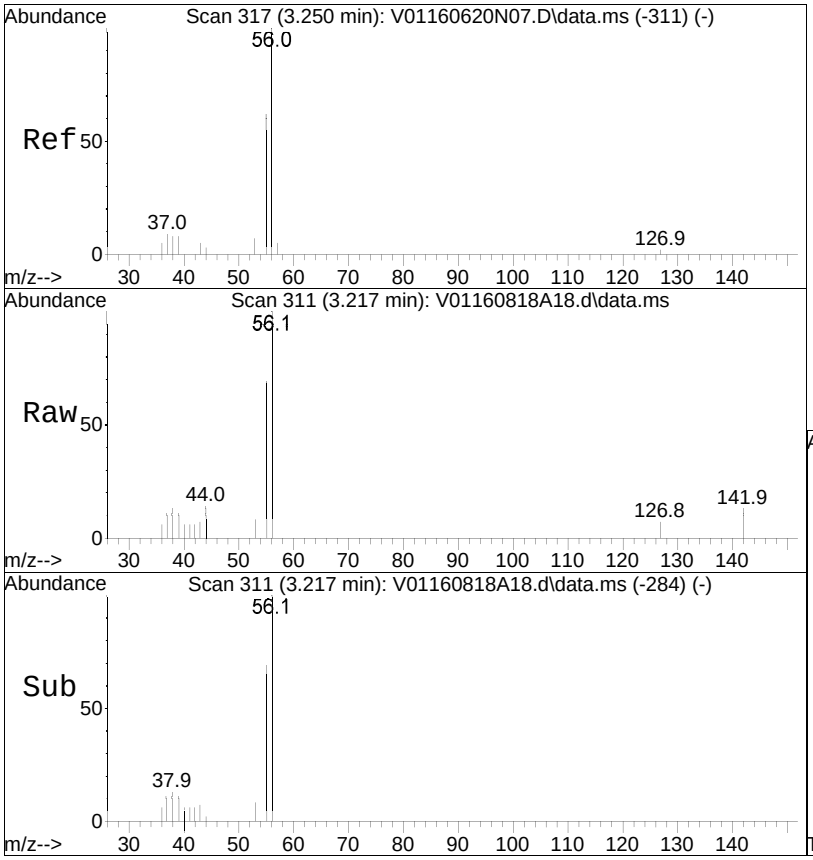


#13
Iodomethane
Concen: 7.89 ug/L
RT: 3.031 min Scan# 277
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:142 Resp: 65460

Ion	Ratio	Lower	Upper
142	100		
127	47.3	29.1	60.5
141	14.1	8.6	18.0

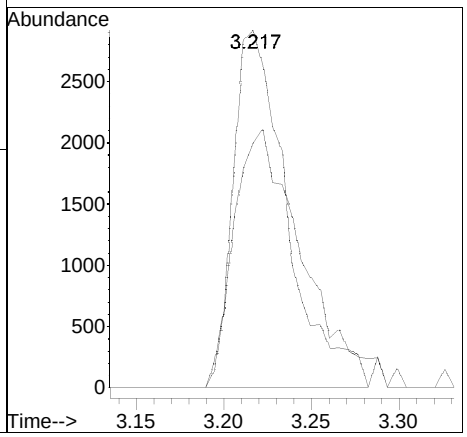


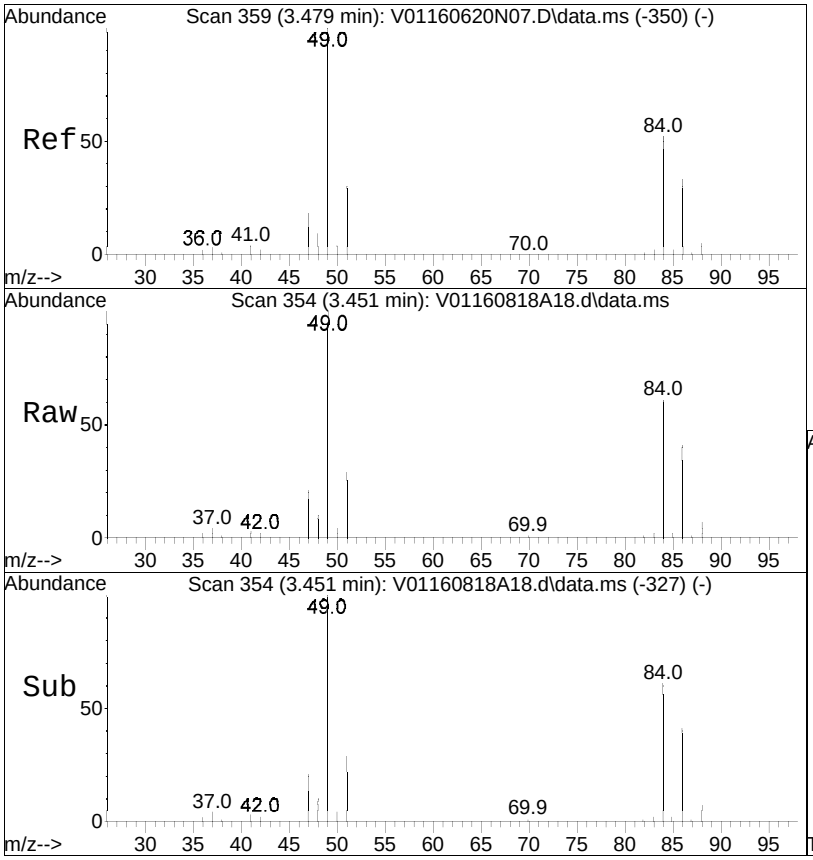


#14
Acrolein
Concen: 9.53 ug/L
RT: 3.217 min Scan# 311
Delta R.T. -0.005 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 56 Resp: 6270

Ion	Ratio	Lower	Upper
56	100		
55	91.1	57.8	86.6#

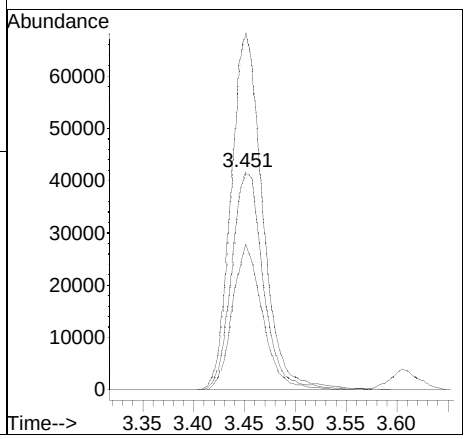


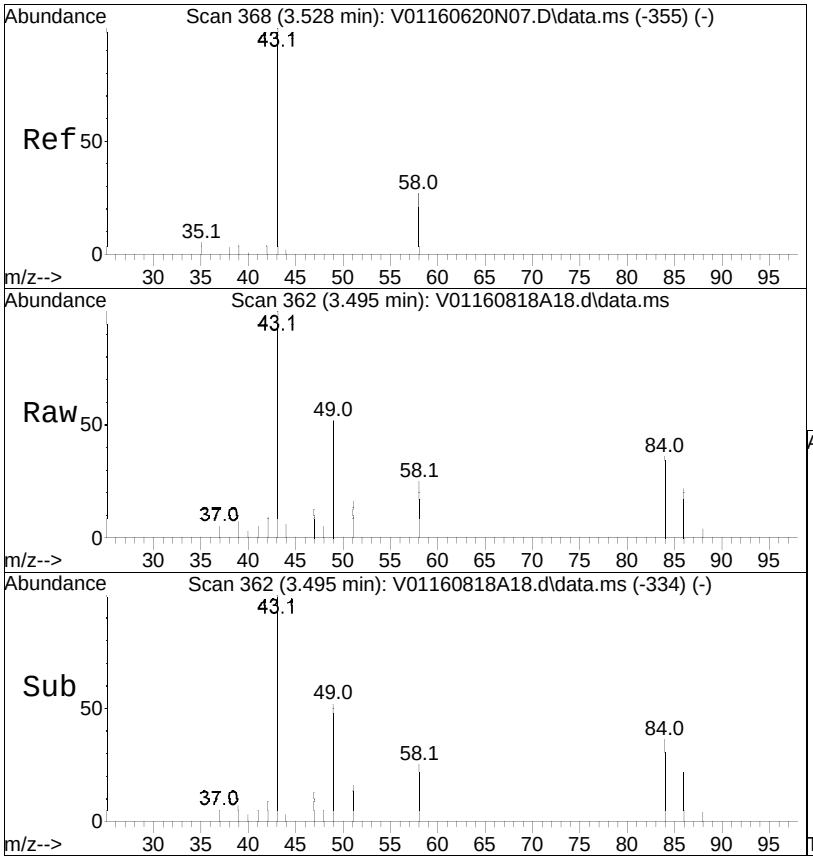


#15
Methylene chloride
Concen: 10.10 ug/L
RT: 3.451 min Scan# 354
Delta R.T. -0.001 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 84 Resp: 89602

Ion	Ratio	Lower	Upper
84	100		
86	63.8	41.3	85.9
49	163.3	103.5	215.1

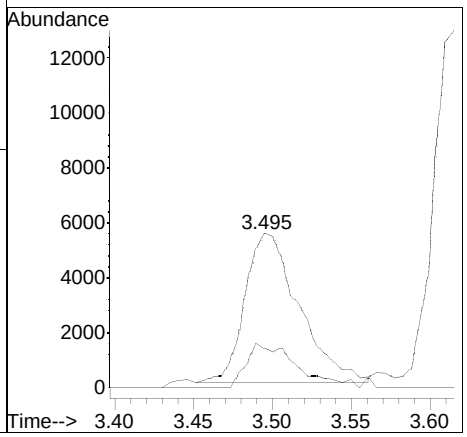


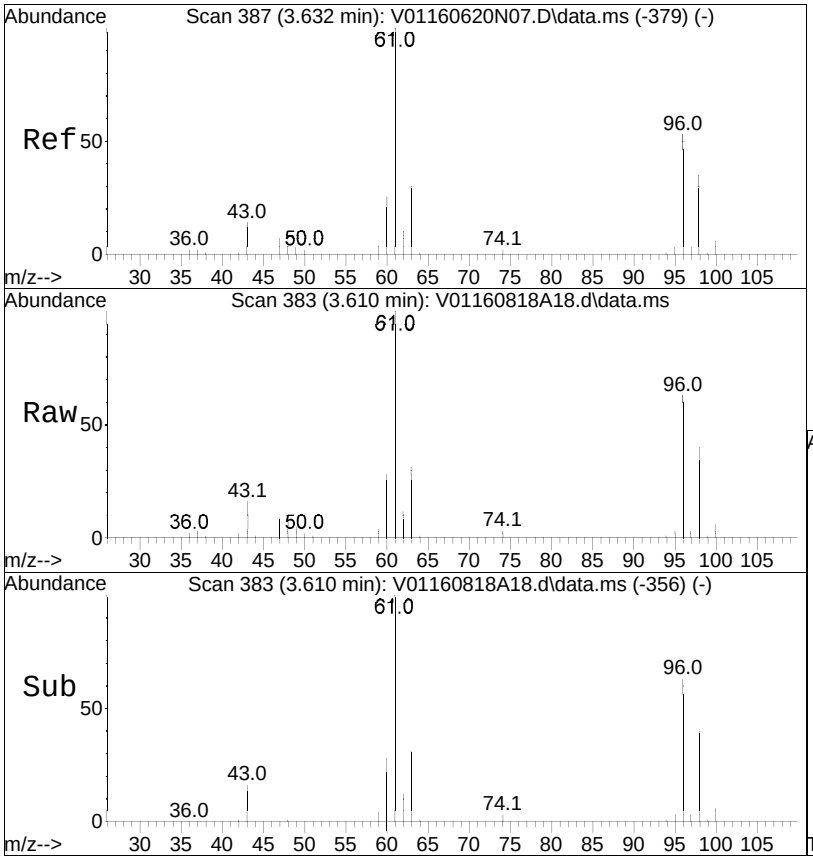


#17
Acetone
Concen: 11.82 ug/L
RT: 3.495 min Scan# 362
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 43 Resp: 13028

Ion	Ratio	Lower	Upper
43	100		
58	27.3	18.5	27.7

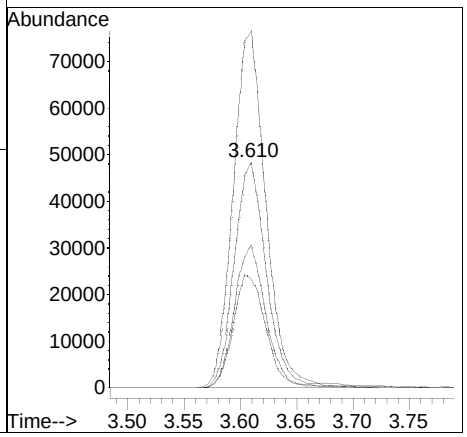


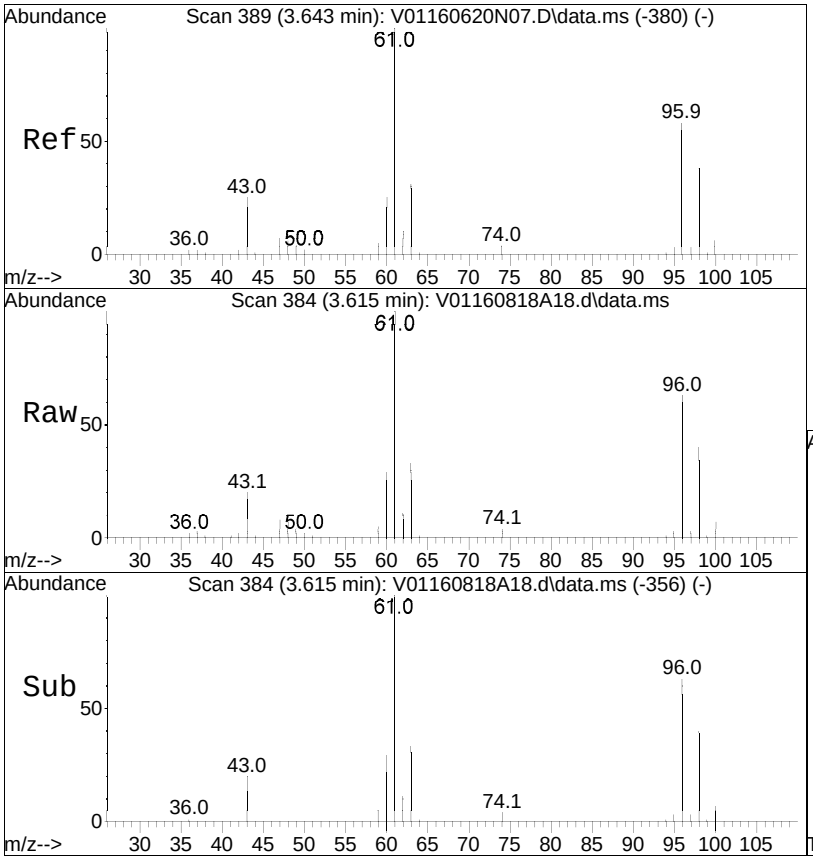


#18
trans-1,2-Dichloroethene
Concen: 10.70 ug/L
RT: 3.610 min Scan# 383
Delta R.T. -0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 96 Resp: 95770

Ion	Ratio	Lower	Upper
96	100		
61	161.7	101.5	210.9
98	62.4	41.2	85.6
63	51.1	32.1	66.7

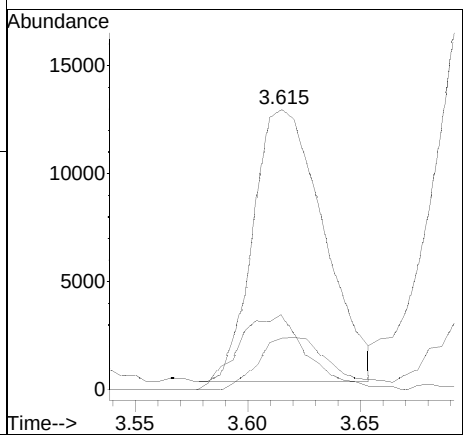


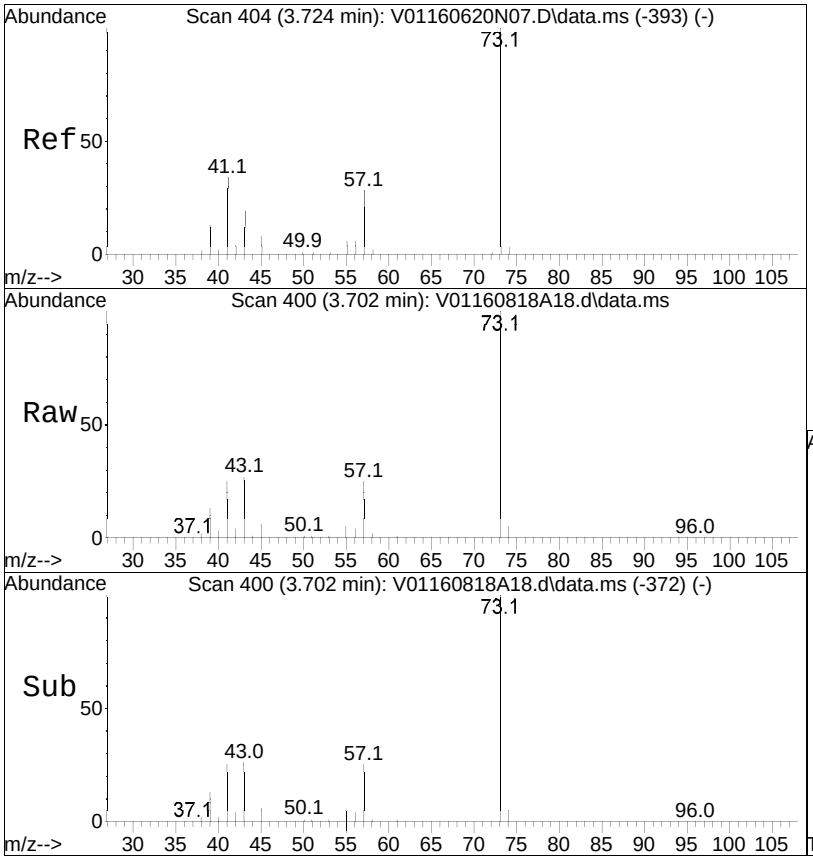


#19
Methyl acetate
Concen: 9.24 ug/L
RT: 3.615 min Scan# 384
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 43 Resp: 27382

Ion	Ratio	Lower	Upper
43	100		
74	20.3	13.6	20.4
59	27.2	15.8	23.8#

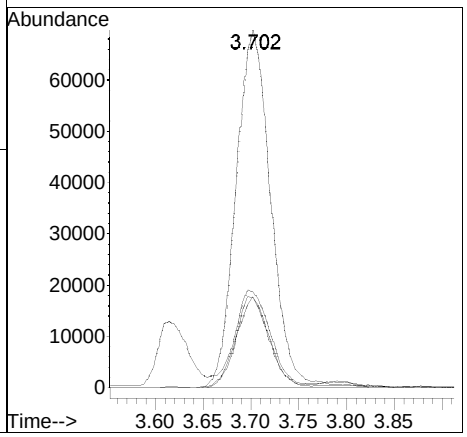


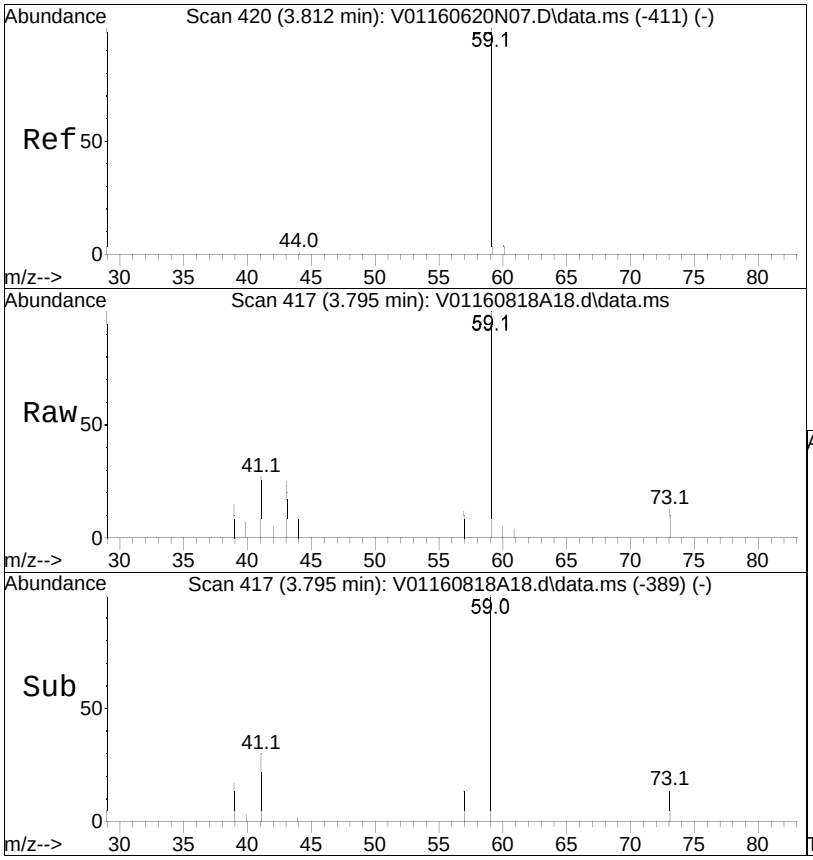


#20
Methyl tert-butyl ether
Concen: 9.92 ug/L
RT: 3.702 min Scan# 400
Delta R.T. 0.005 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 73 Resp: 175034

Ion	Ratio	Lower	Upper
73	100		
57	24.0	16.0	33.2
43	26.9	18.5	38.3
41	25.2	19.2	40.0

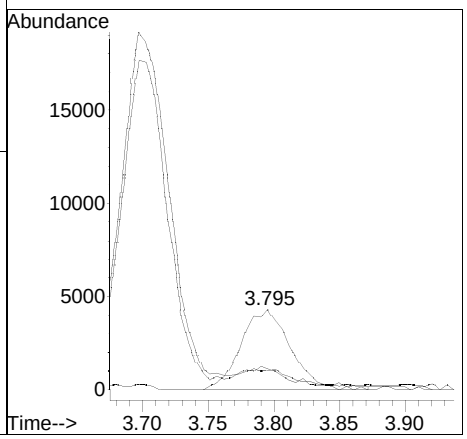


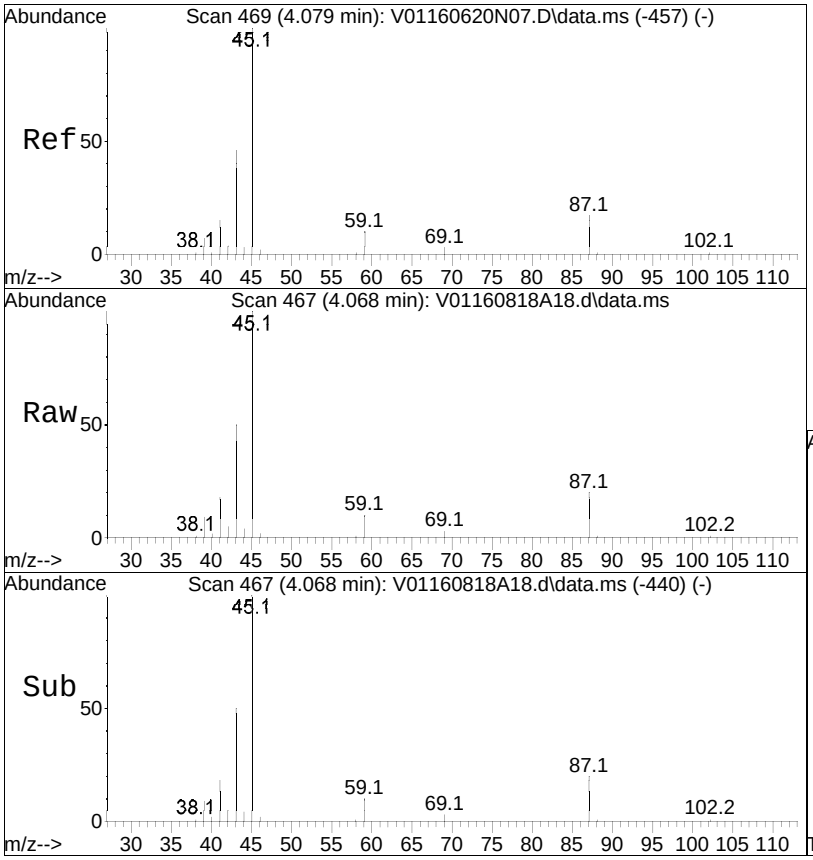


#21
tert-Butyl alcohol
Concen: 57.45 ug/L
RT: 3.795 min Scan# 417
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 59 Resp: 11538

Ion	Ratio	Lower	Upper
59	100		
41	29.4	21.5	44.7
43	21.0	0.0	0.0#

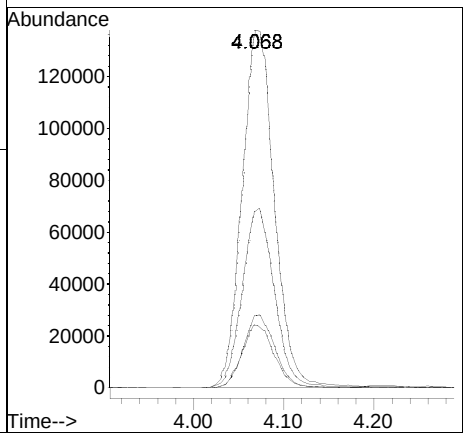


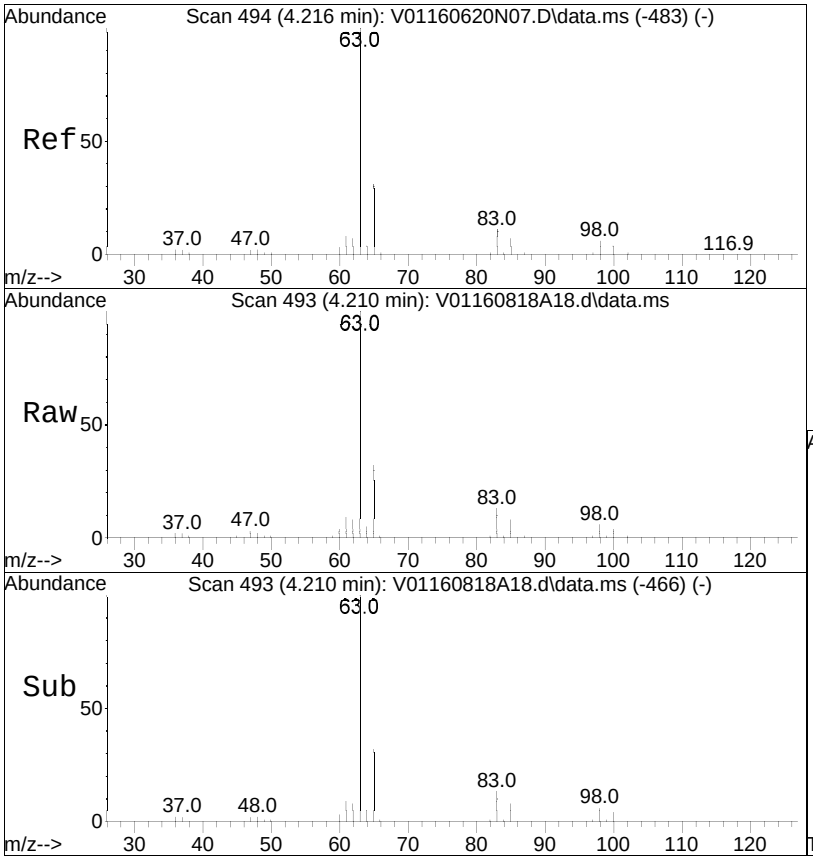


#22
Diisopropyl ether
Concen: 10.68 ug/L
RT: 4.068 min Scan# 467
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 45 Resp: 341588

Ion	Ratio	Lower	Upper
45	100		
43	50.1	32.0	66.6
87	20.2	13.2	27.4
41	17.7	11.4	23.6

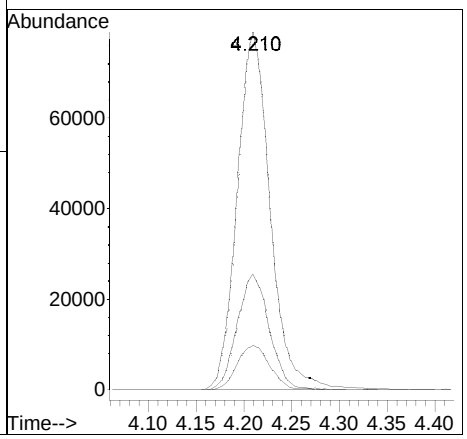


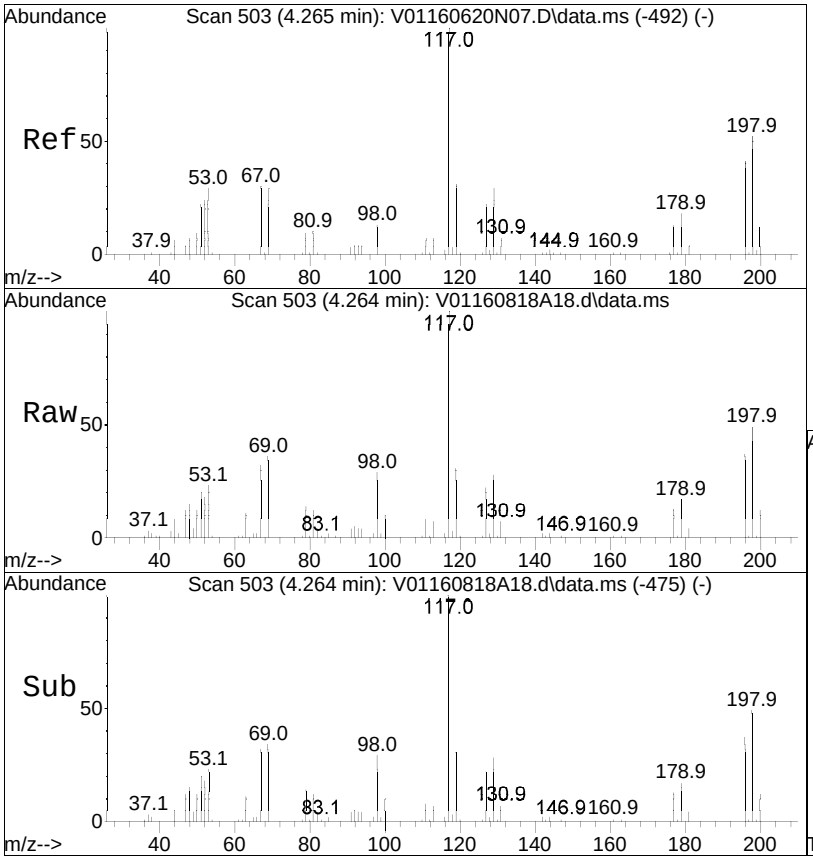


#23
1,1-Dichloroethane
Concen: 11.00 ug/L
RT: 4.210 min Scan# 493
Delta R.T. -0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 63 Resp: 187711

Ion	Ratio	Lower	Upper
63	100		
65	31.5	10.2	50.2
83	12.5	0.0	32.3

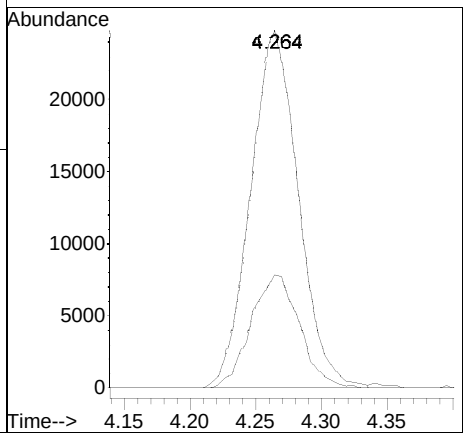


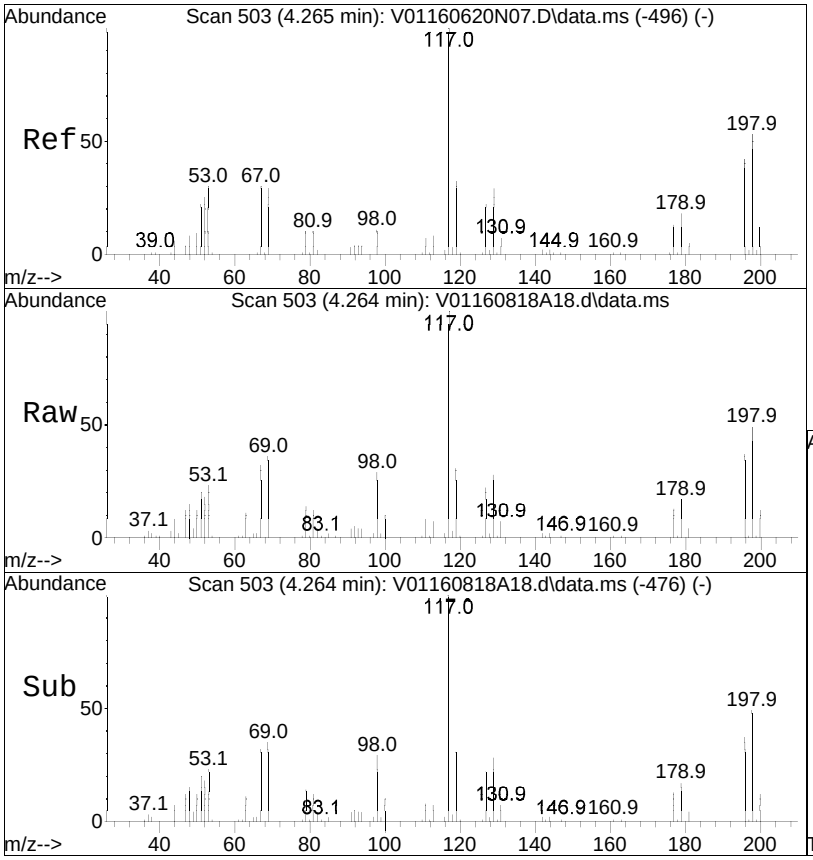


#24
Halothane
Concen: 10.60 ug/L
RT: 4.264 min Scan# 503
Delta R.T. 0.005 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:117 Resp: 62273

Ion	Ratio	Lower	Upper
117	100		
119	32.2	20.6	42.8

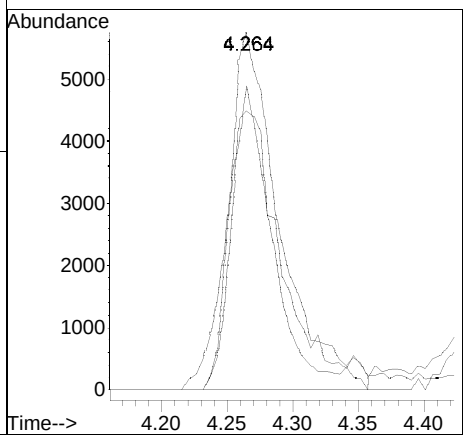


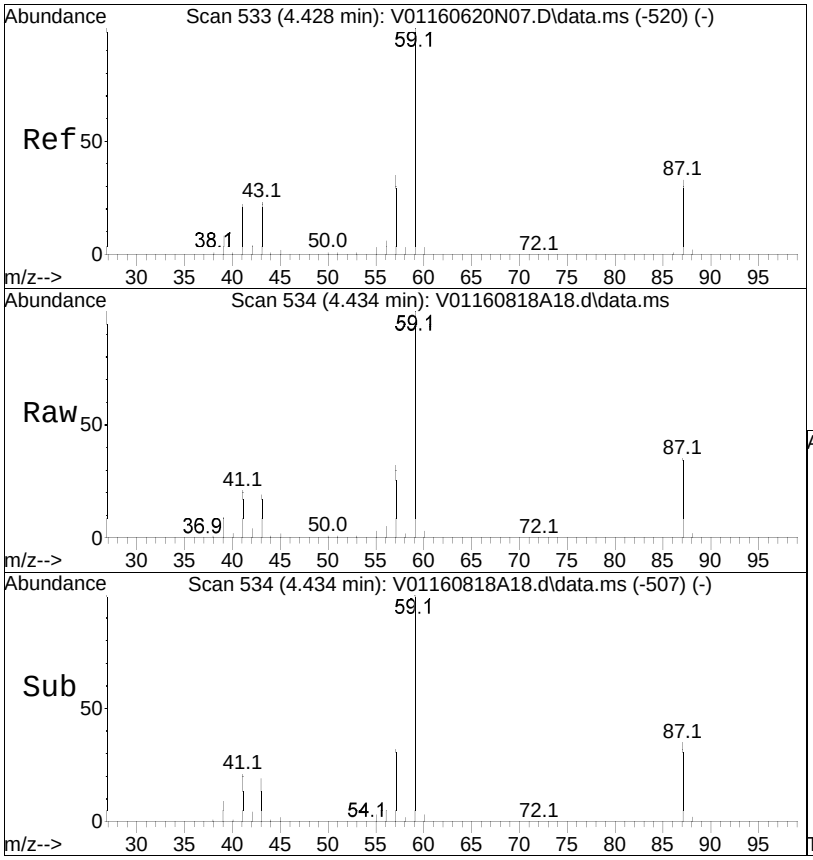


#25
Acrylonitrile
Concen: 9.78 ug/L
RT: 4.264 min Scan# 503
Delta R.T. -0.001 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 53 Resp: 15097

Ion	Ratio	Lower	Upper
53	100		
52	78.8	67.3	100.9
51	79.4	60.4	90.6

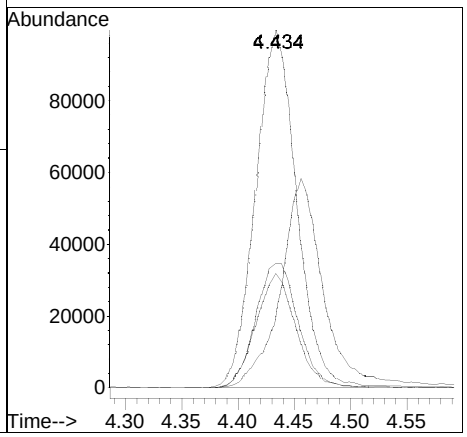


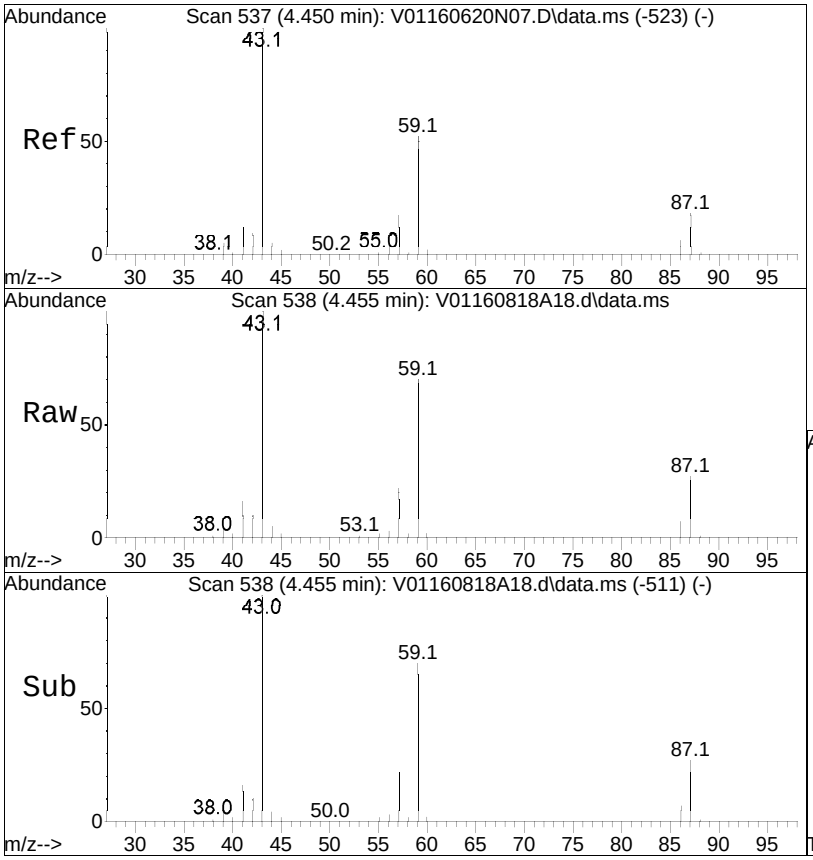


#26
Ethyl tert-butyl ether
Concen: 9.90 ug/L
RT: 4.434 min Scan# 534
Delta R.T. -0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 59 Resp: 251109

Ion	Ratio	Lower	Upper
59	100		
87	36.3	24.4	50.8
57	31.6	20.7	43.1
43	61.6	41.5	86.3

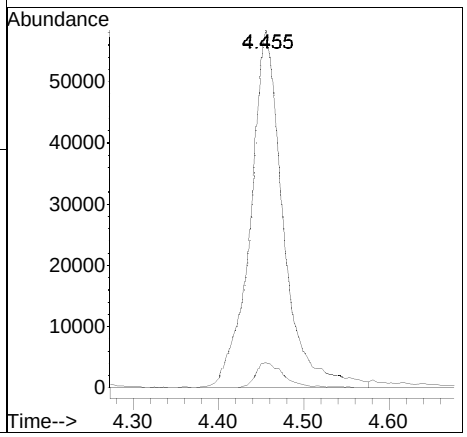


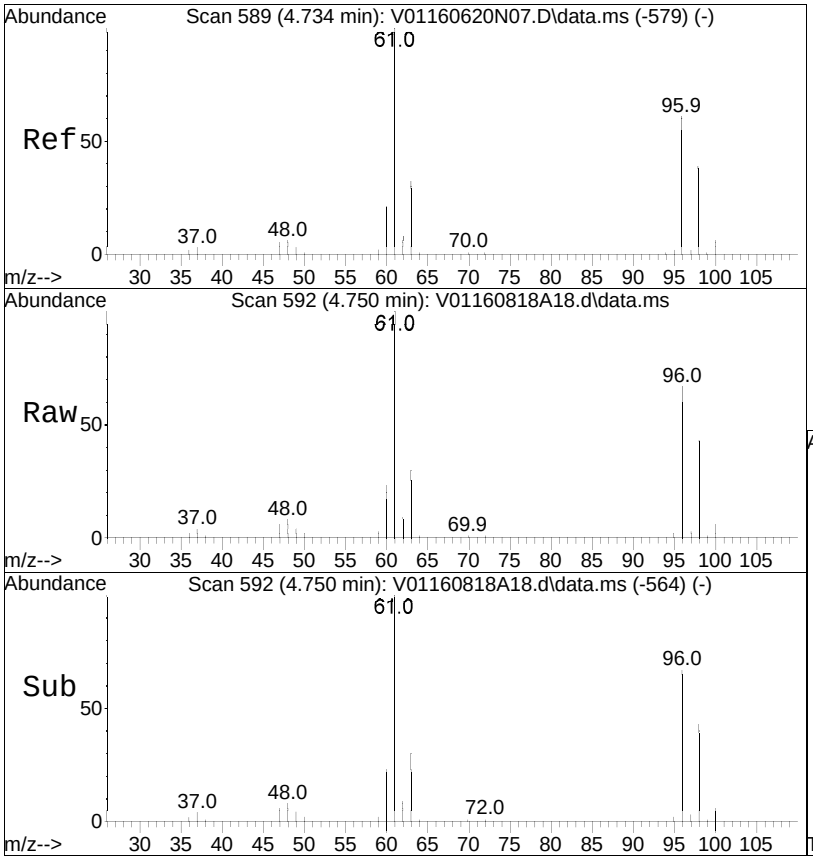


#27
Vinyl acetate
Concen: 10.08 ug/L
RT: 4.455 min Scan# 538
Delta R.T. -0.001 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 43 Resp: 155765

Ion	Ratio	Lower	Upper
43	100		
86	6.2	4.7	7.1

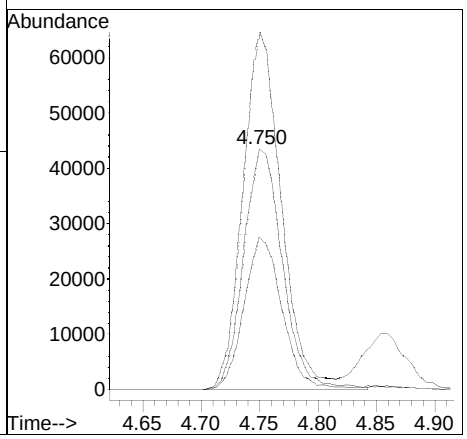


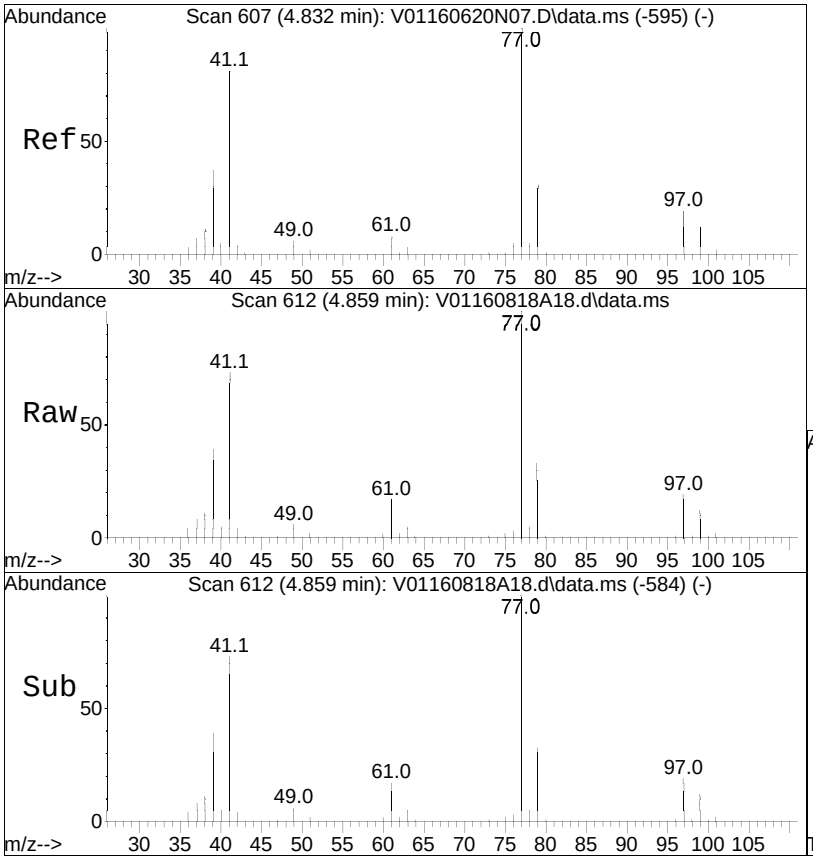


#28
cis-1,2-Dichloroethene
Concen: 10.62 ug/L
RT: 4.750 min Scan# 592
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 96 Resp: 100379

Ion	Ratio	Lower	Upper
96	100		
61	145.7	112.2	168.2
98	62.4	51.0	76.4

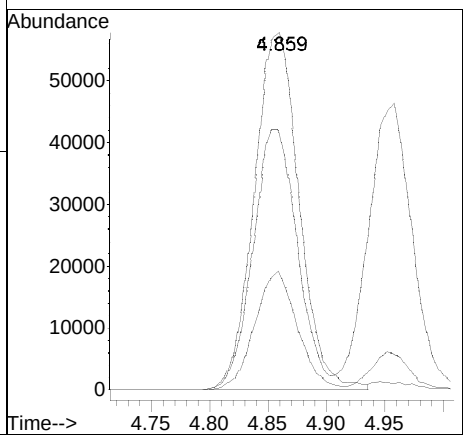


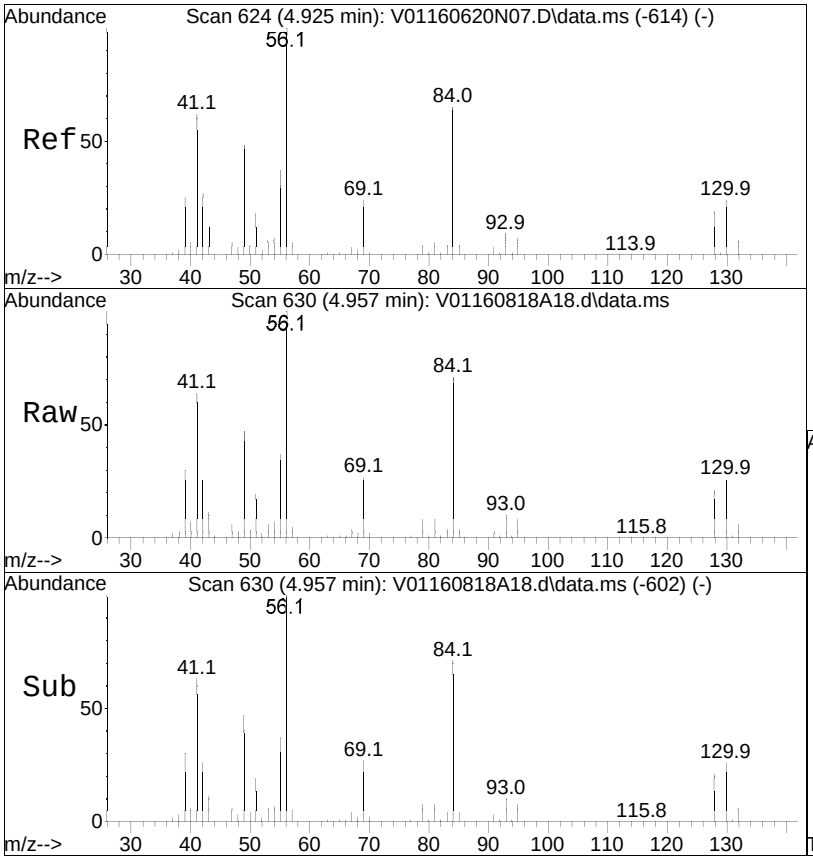


#29
2,2-Dichloropropane
Concen: 11.55 ug/L
RT: 4.859 min Scan# 612
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 77 Resp: 154557

Ion	Ratio	Lower	Upper
77	100		
41	72.0	50.4	104.6
79	31.5	21.0	43.6

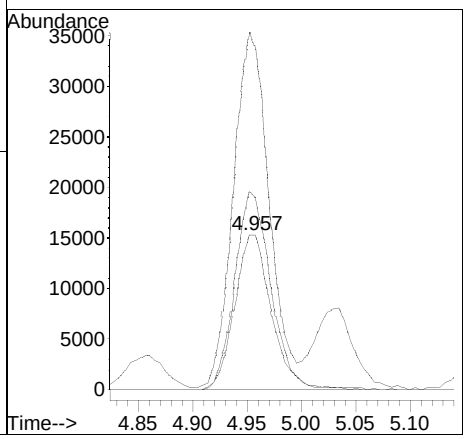


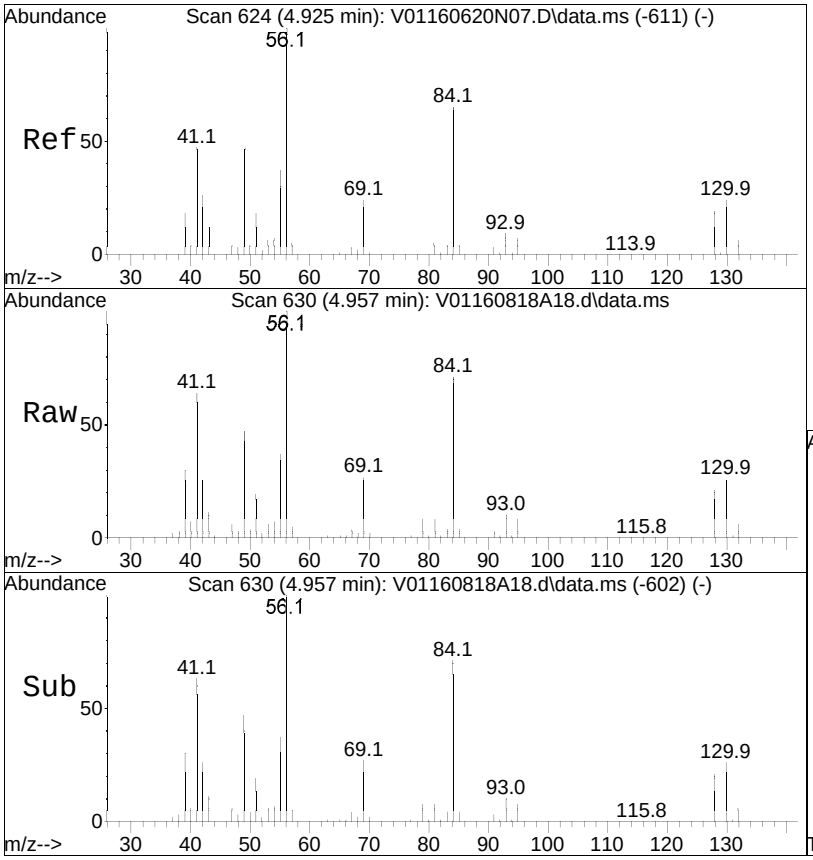


#30
Bromochloromethane
Concen: 10.59 ug/L
RT: 4.957 min Scan# 630
Delta R.T. 0.005 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:128 Resp: 36090

Ion	Ratio	Lower	Upper
128	100		
49	220.3	164.2	246.4
130	125.6	104.2	156.2

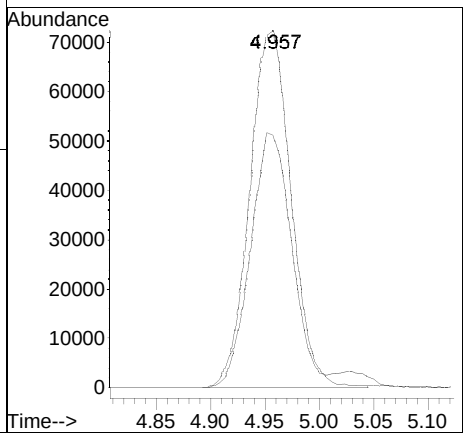


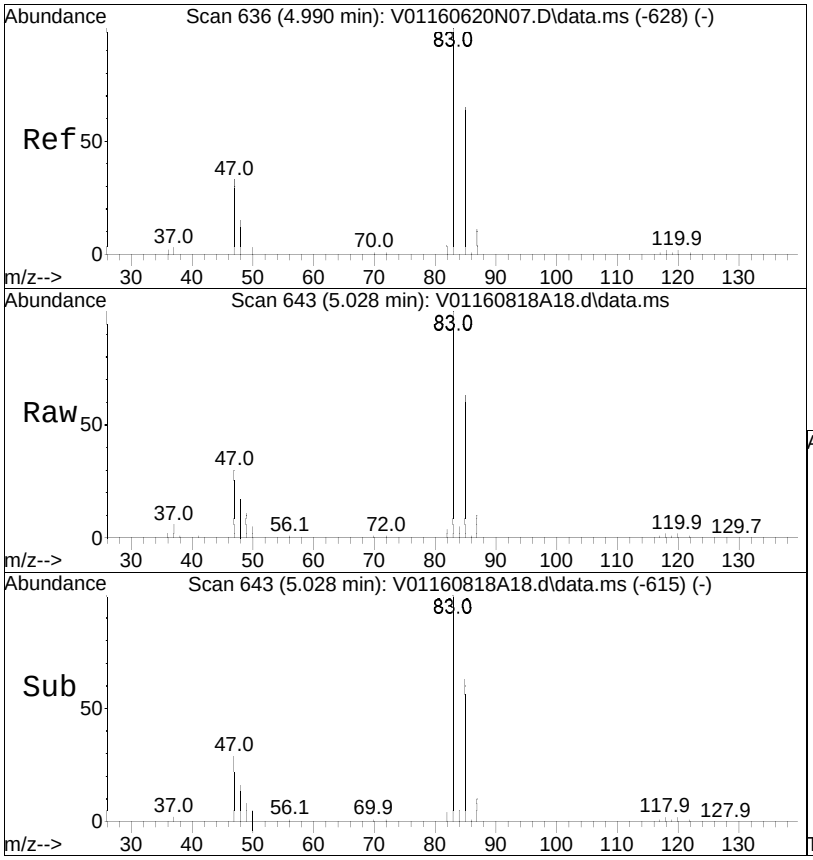


#31
Cyclohexane
Concen: 10.87 ug/L
RT: 4.957 min Scan# 630
Delta R.T. 0.005 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 56 Resp: 190981

Ion	Ratio	Lower	Upper
56	100		
84	71.2	48.8	101.3

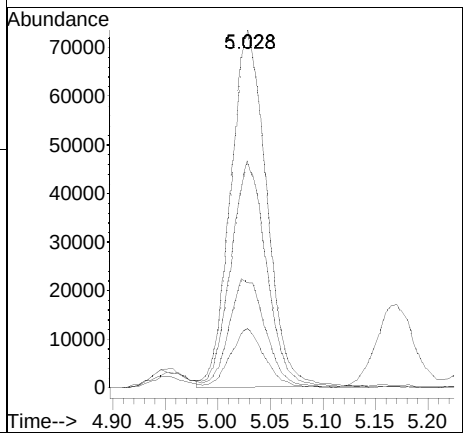


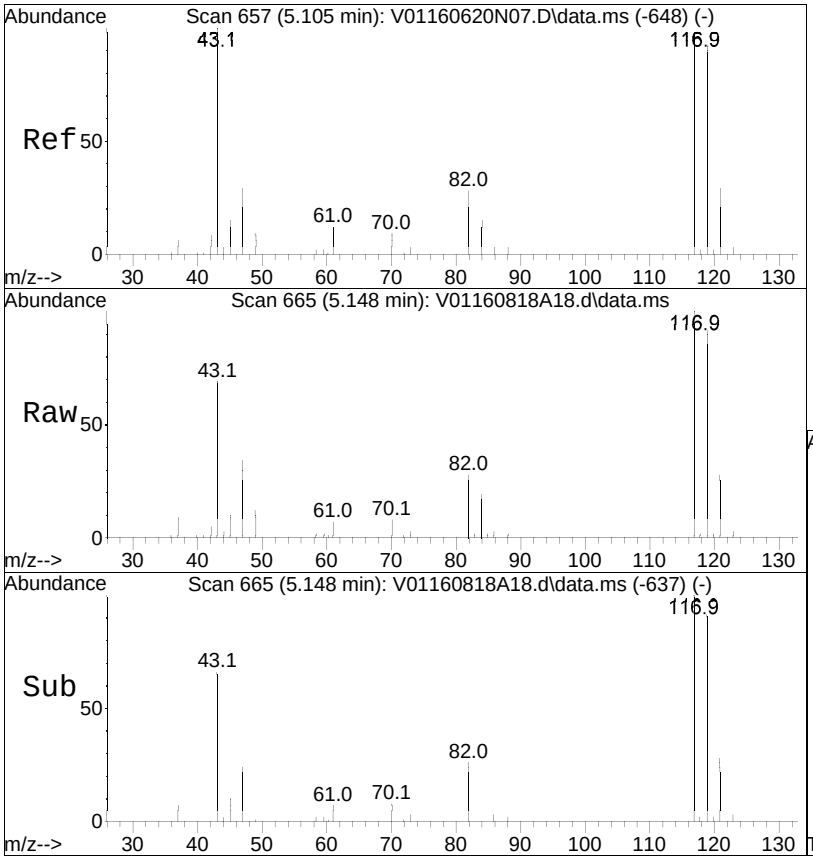


#32
Chloroform
Concen: 10.85 ug/L
RT: 5.028 min Scan# 643
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 83 Resp: 173586

Ion	Ratio	Lower	Upper
83	100		
85	63.2	42.3	87.9
47	31.6	20.5	42.7
48	16.2	9.8	20.4

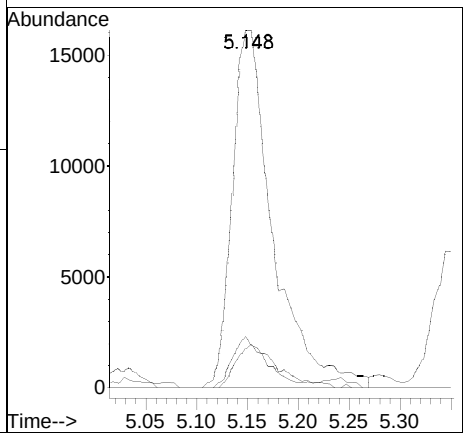


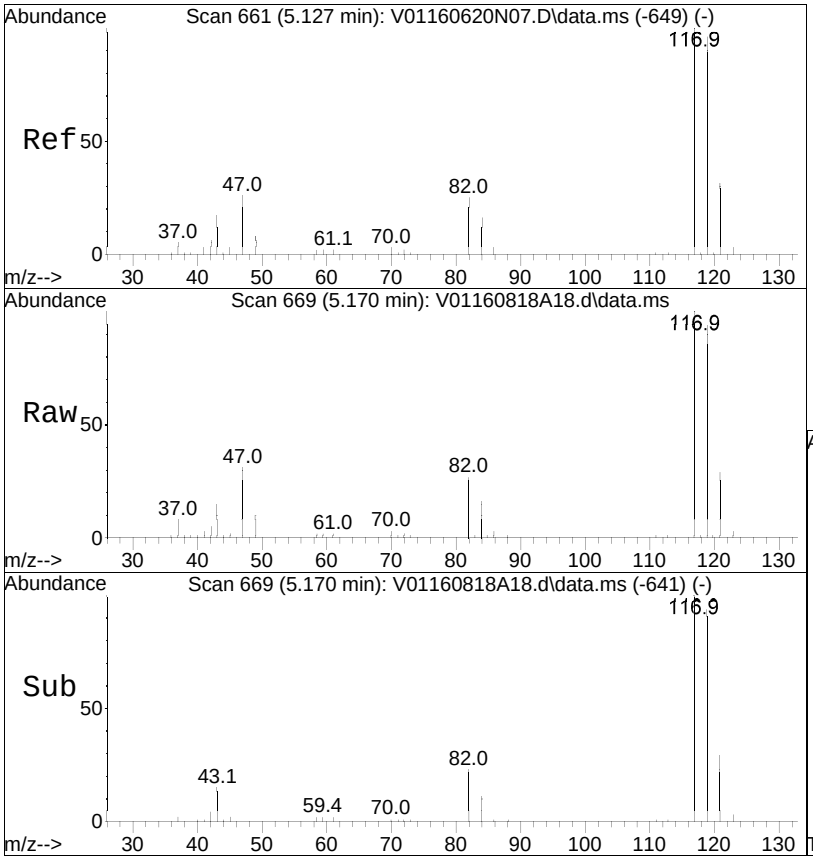


#33
Ethyl acetate
Concen: 9.79 ug/L
RT: 5.148 min Scan# 665
Delta R.T. -0.001 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 43 Resp: 44761

Ion	Ratio	Lower	Upper
43	100		
45	12.1	10.1	15.1
70	12.0	8.1	12.1

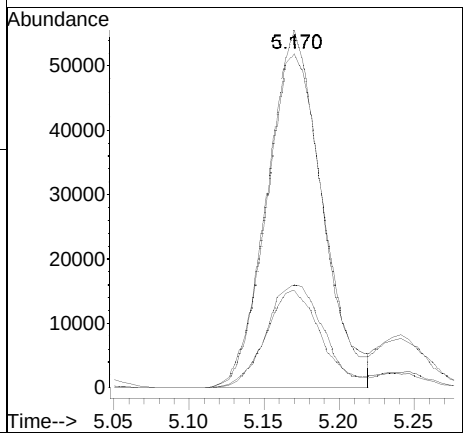


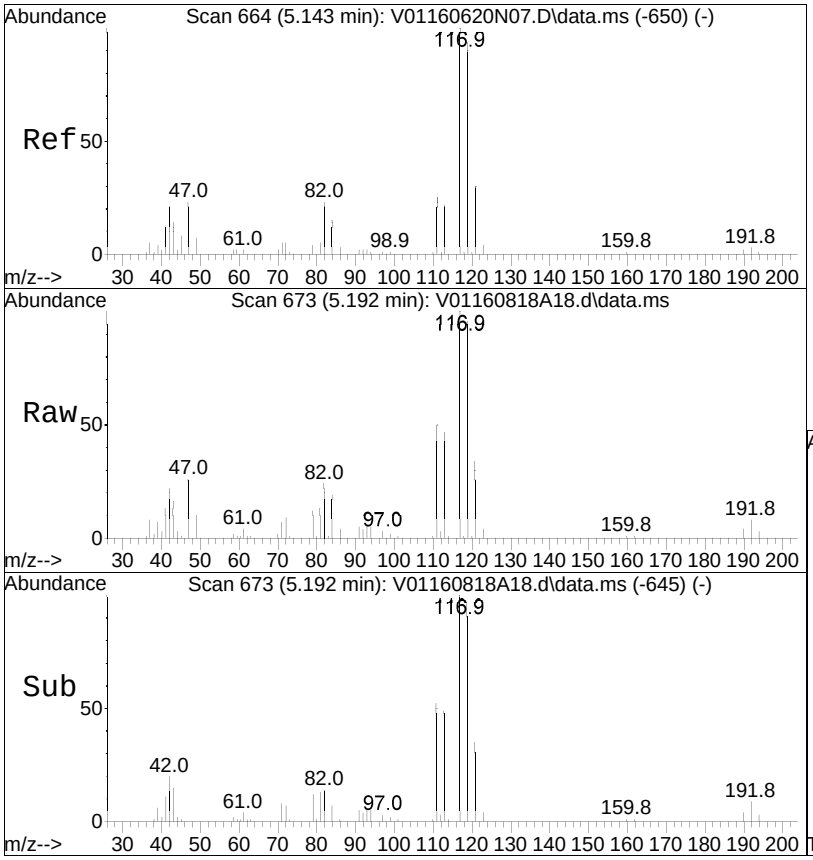


#34
Carbon tetrachloride
Concen: 11.00 ug/L
RT: 5.170 min Scan# 669
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:117 Resp: 140014

Ion	Ratio	Lower	Upper
117	100		
119	95.0	62.7	130.3
121	30.5	20.0	41.6
82	27.6	16.7	34.7

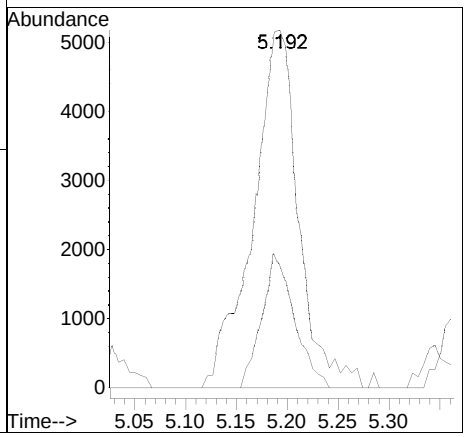


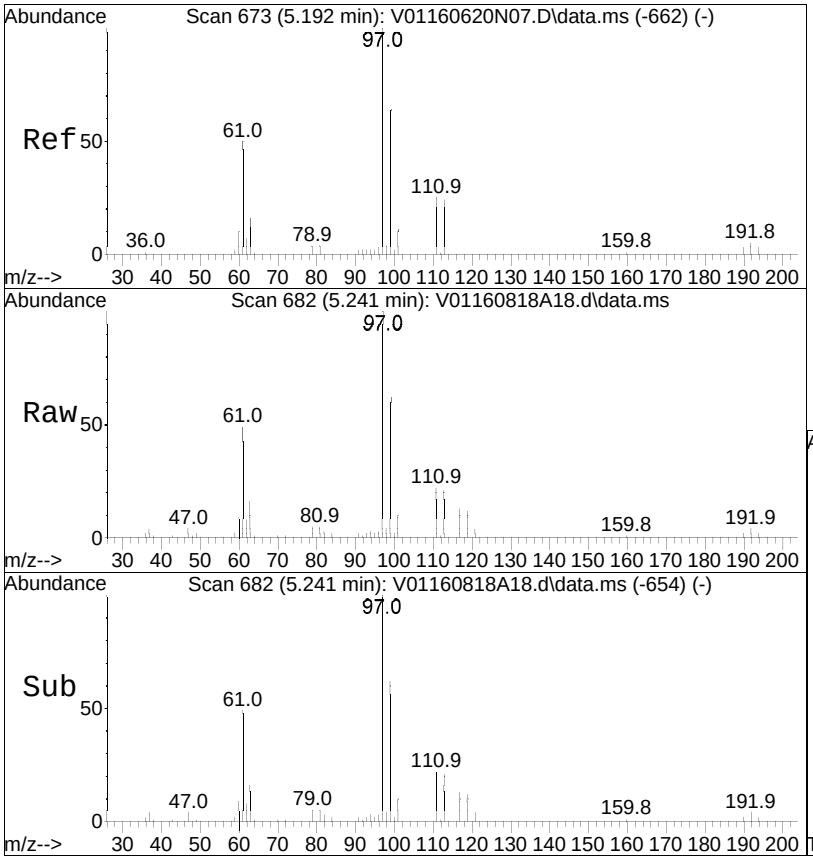


#35
Tetrahydrofuran
Concen: 10.10 ug/L
RT: 5.192 min Scan# 673
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 42 Resp: 16077

Ion	Ratio	Lower	Upper
42	100		
71	26.8	18.5	27.7

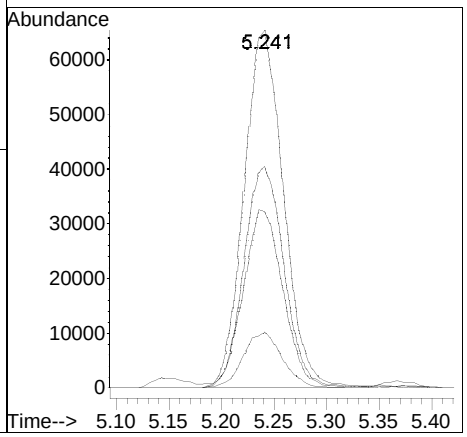


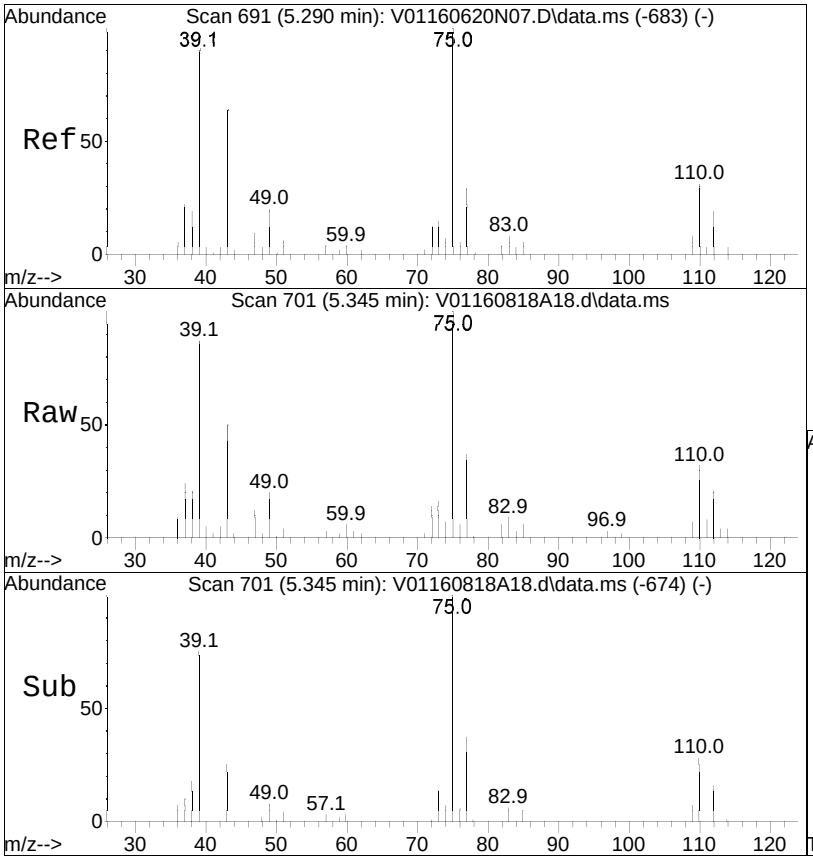


#37
1,1,1-Trichloroethane
Concen: 11.25 ug/L
RT: 5.241 min Scan# 682
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 97 Resp: 170048

Ion	Ratio	Lower	Upper
97	100		
99	63.0	41.7	86.7
61	49.6	30.9	64.3
63	15.6	9.8	20.3

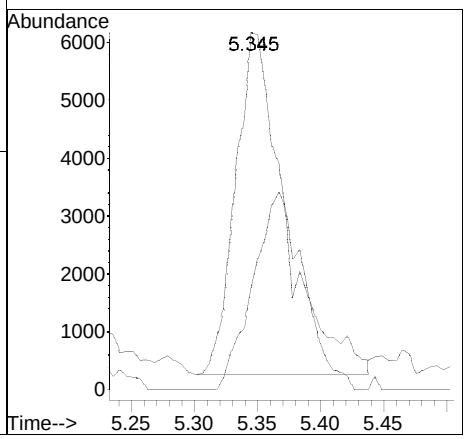


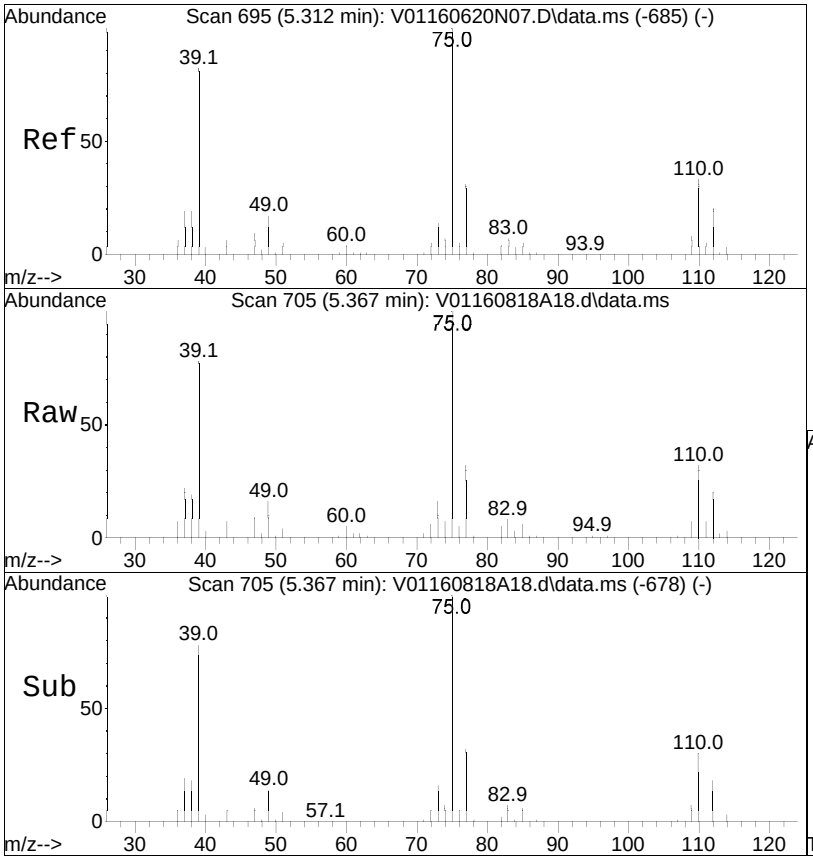


#39
2-Butanone
Concen: 10.09 ug/L
RT: 5.345 min Scan# 701
Delta R.T. -0.005 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 43 Resp: 16214

Ion	Ratio	Lower	Upper
43	100		
72	58.8	32.0	48.0#

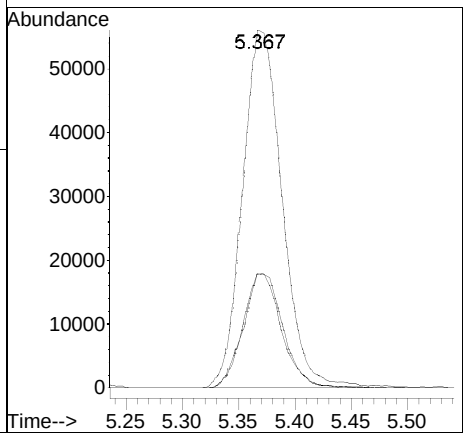


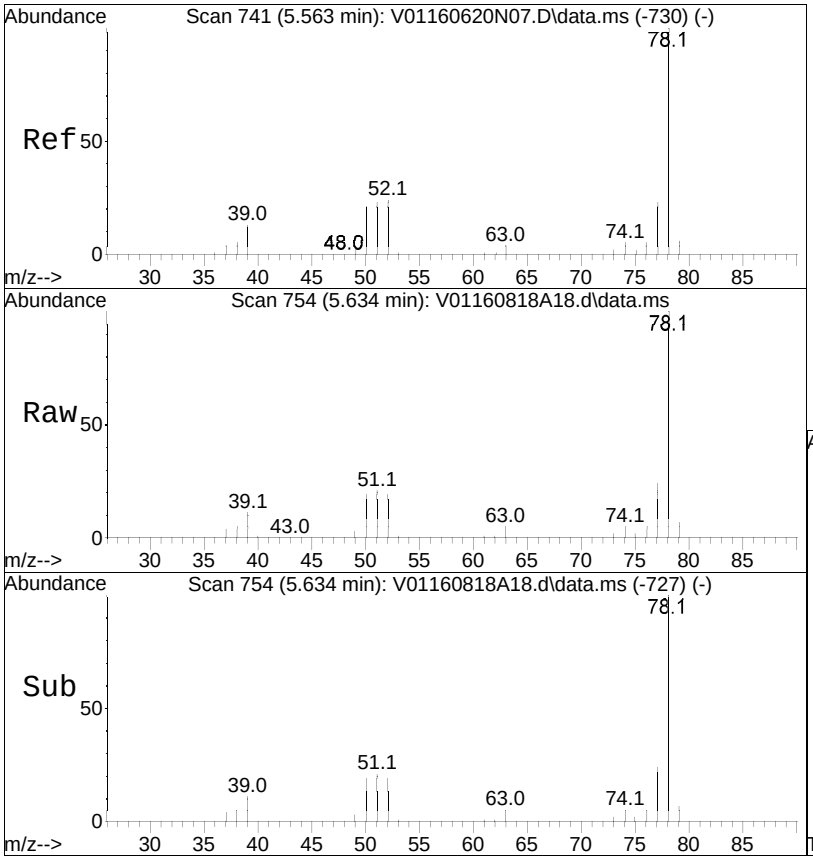


#40
1,1-Dichloropropene
Concen: 11.21 ug/L
RT: 5.367 min Scan# 705
Delta R.T. -0.005 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 75 Resp: 136289

Ion	Ratio	Lower	Upper
75	100		
110	32.4	23.0	47.8
77	30.9	20.2	42.0

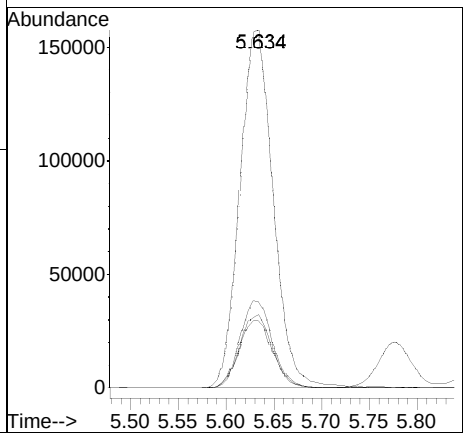


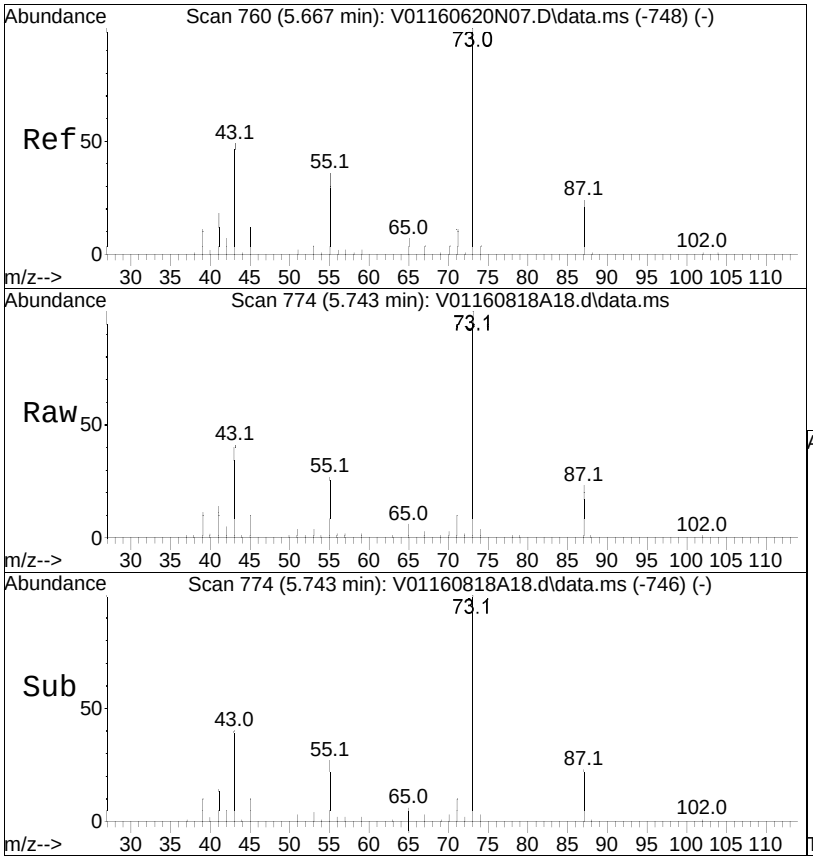


#41
Benzene
Concen: 10.64 ug/L
RT: 5.634 min Scan# 754
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 78 Resp: 381872

Ion	Ratio	Lower	Upper
78	100		
77	24.0	15.3	31.7
51	20.4	13.7	28.4
52	19.0	12.9	26.7

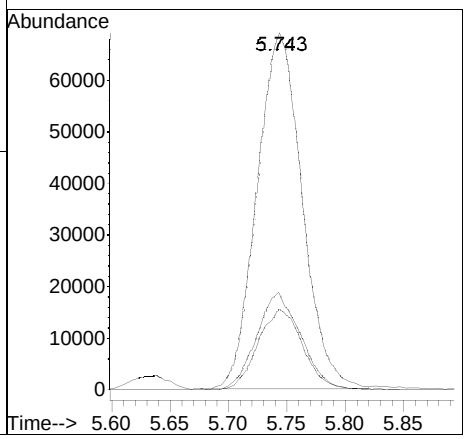


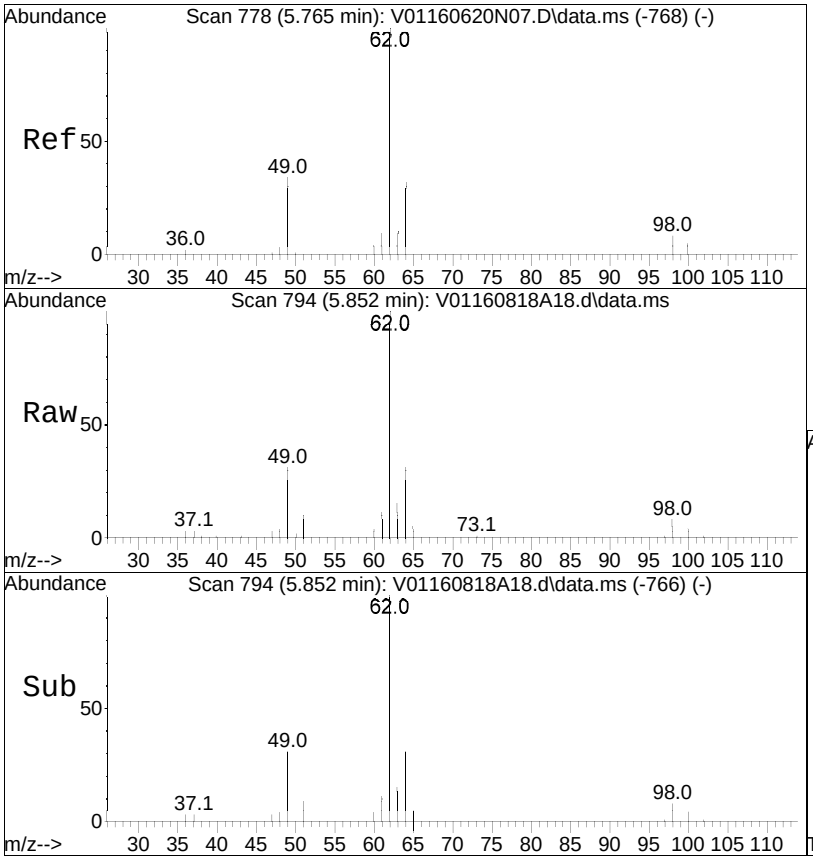


#42
tert-Amyl methyl ether
Concen: 9.65 ug/L
RT: 5.743 min Scan# 774
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 73 Resp: 183630

Ion	Ratio	Lower	Upper
73	100		
55	27.0	20.3	42.3
87	22.6	15.9	32.9

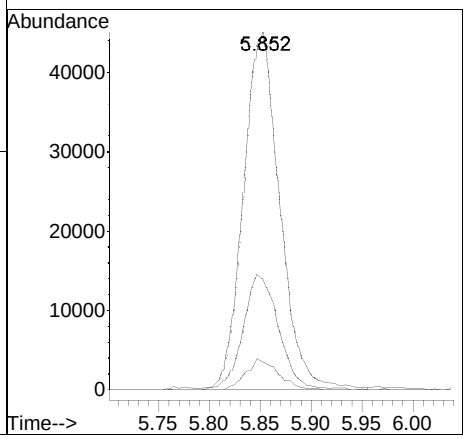


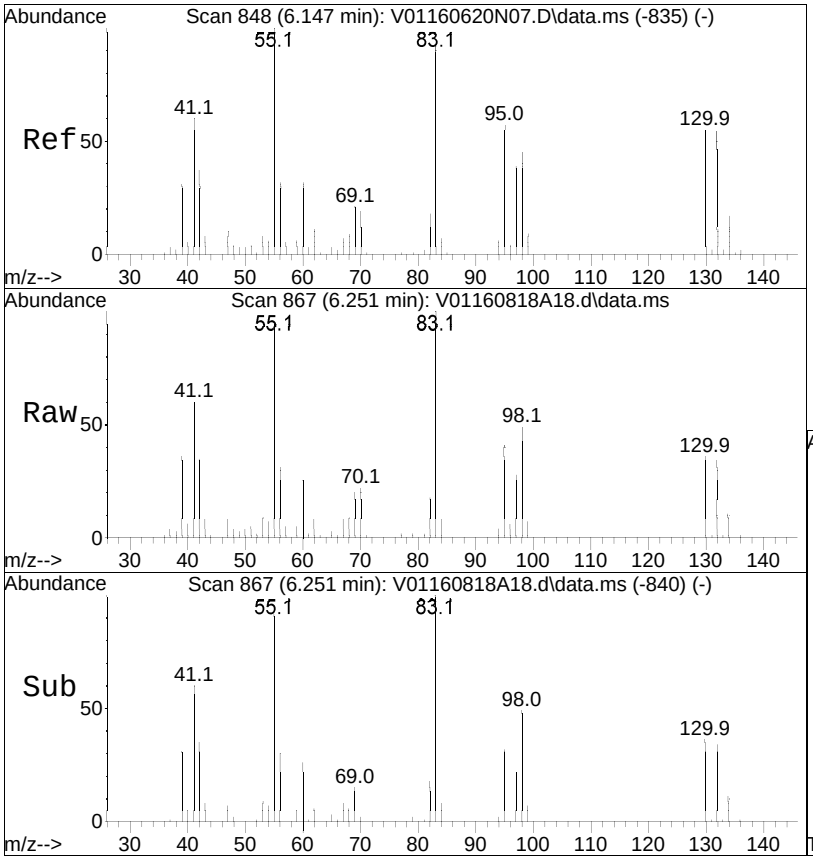


#44
1,2-Dichloroethane
Concen: 10.44 ug/L
RT: 5.852 min Scan# 794
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 62 Resp: 111398

Ion	Ratio	Lower	Upper
62	100		
64	30.6	12.2	52.2
98	7.8	0.0	28.3

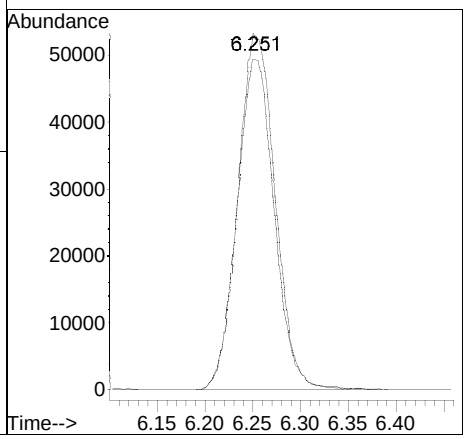


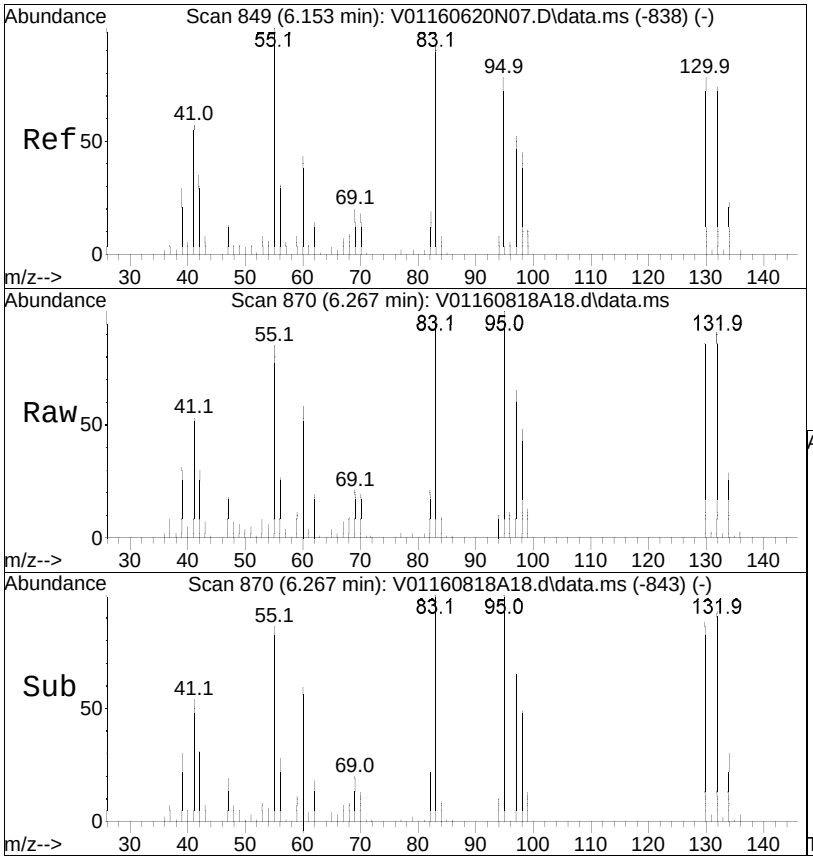


#47
Methyl cyclohexane
Concen: 9.85 ug/L
RT: 6.251 min Scan# 867
Delta R.T. -0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 83 Resp: 143950

Ion	Ratio	Lower	Upper
83	100		
55	92.3	74.0	111.0

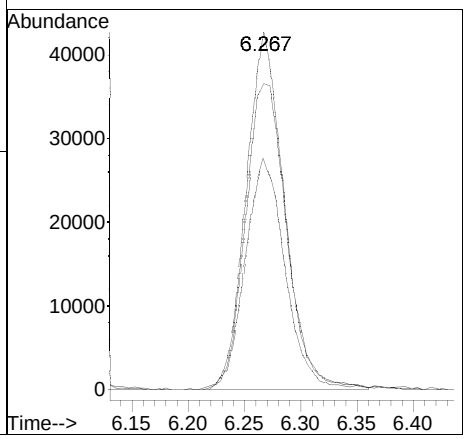


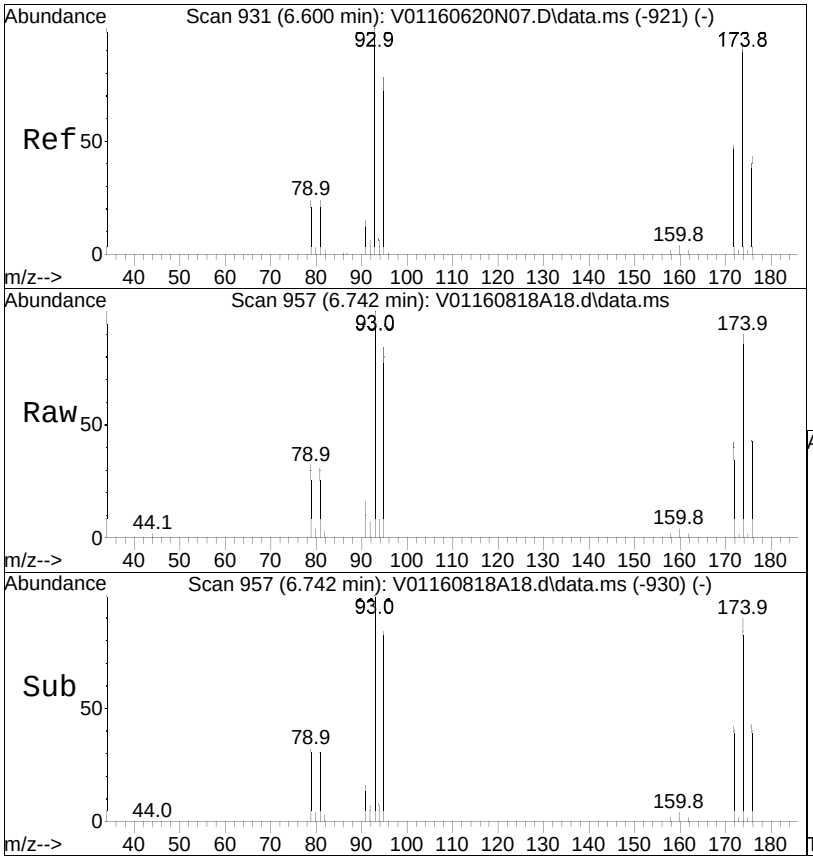


#48
Trichloroethene
Concen: 10.51 ug/L
RT: 6.267 min Scan# 870
Delta R.T. -0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 95 Resp: 100584

Ion	Ratio	Lower	Upper
95	100		
97	67.8	55.2	82.8
130	92.2	81.2	121.8

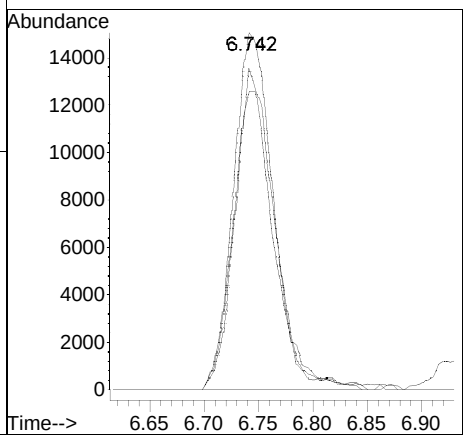


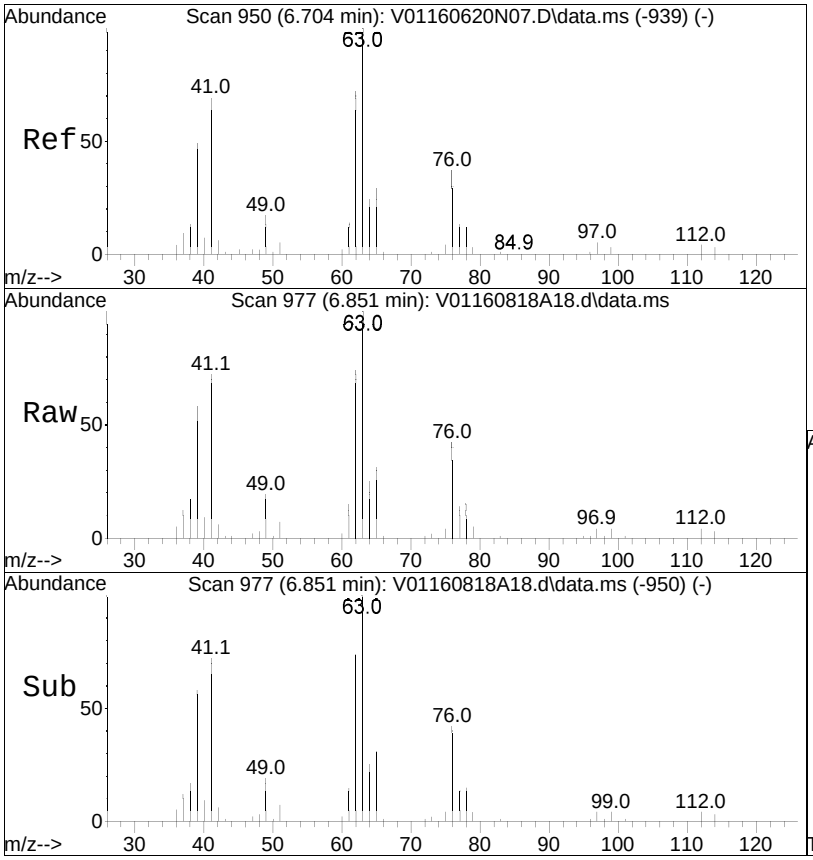


#50
Dibromomethane
Concen: 10.10 ug/L
RT: 6.742 min Scan# 957
Delta R.T. -0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 93 Resp: 38988

Ion	Ratio	Lower	Upper
93	100		
95	81.7	67.0	100.6
174	86.9	75.4	113.0

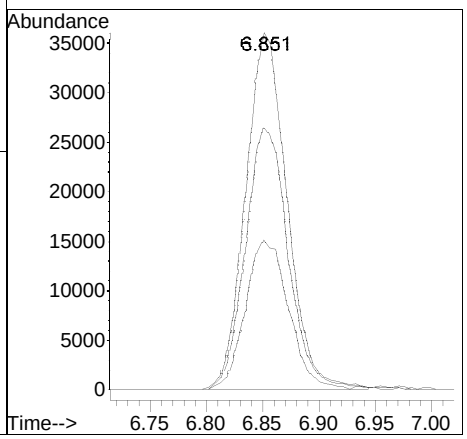


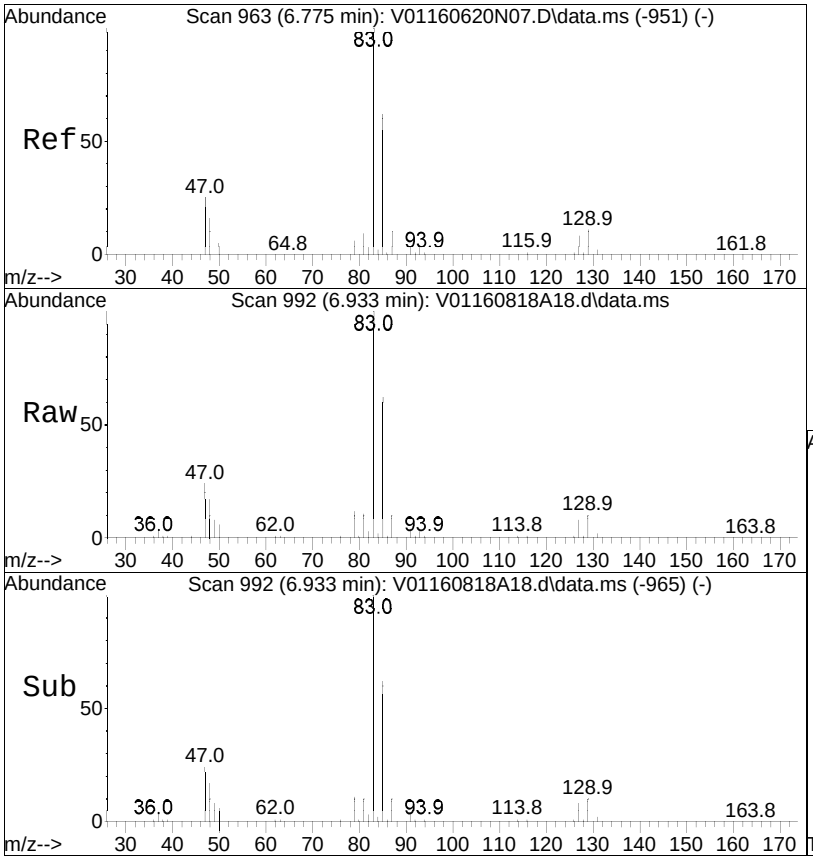


#51
1,2-Dichloropropane
Concen: 10.79 ug/L
RT: 6.851 min Scan# 977
Delta R.T. -0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 63 Resp: 91831

Ion	Ratio	Lower	Upper
63	100		
62	75.9	56.9	85.3
76	43.6	33.3	49.9

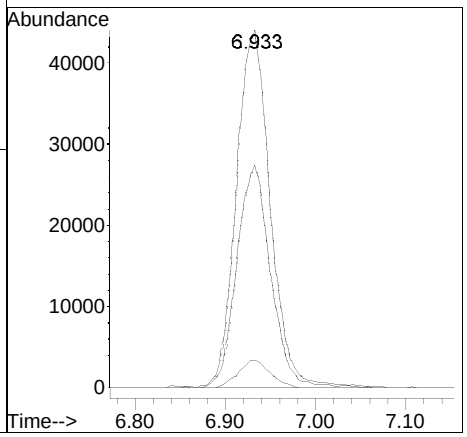


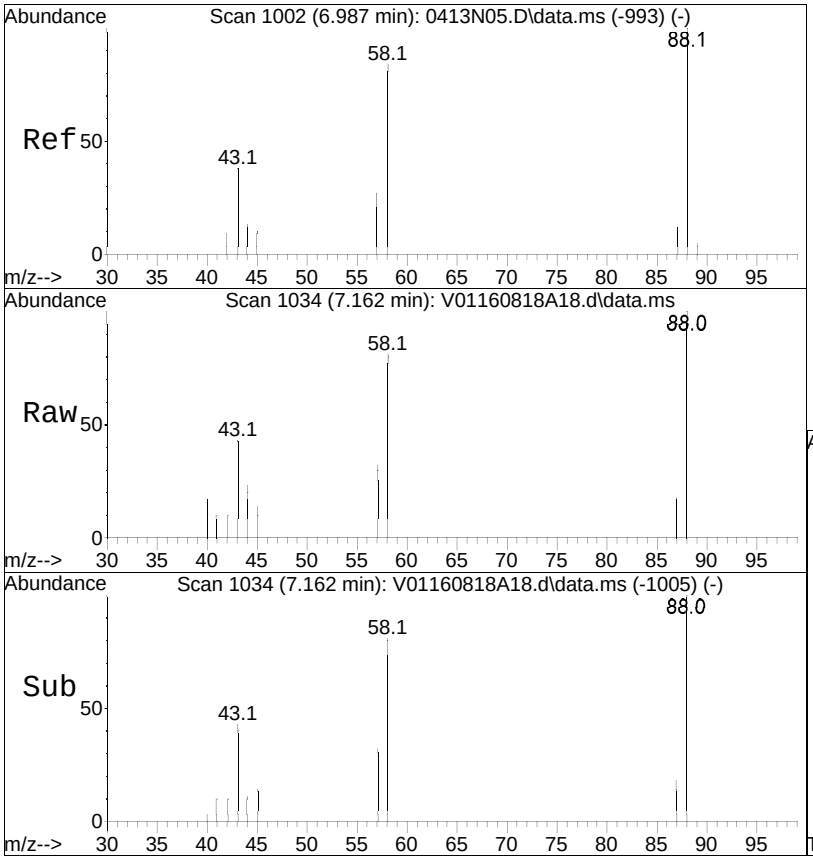


#54
Bromodichloromethane
Concen: 10.52 ug/L
RT: 6.933 min Scan# 992
Delta R.T. -0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 83 Resp: 114270

Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.4	77.0
127	7.3	6.7	10.1

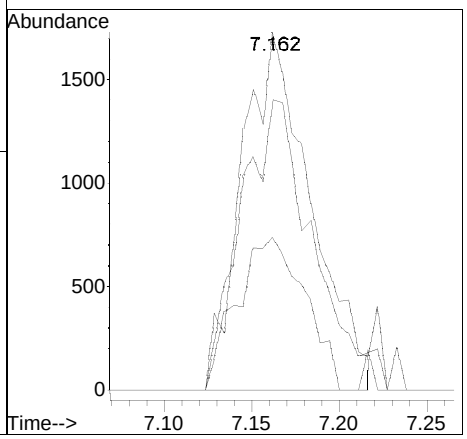


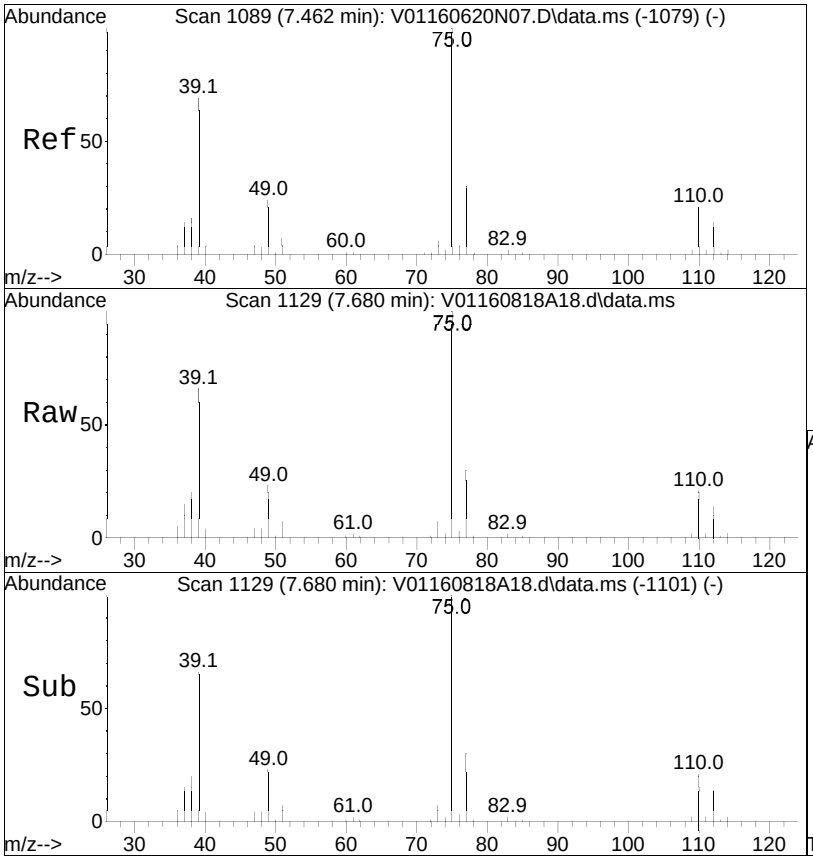


#57
1,4-Dioxane
Concen: 171.36 ug/L
RT: 7.162 min Scan# 1034
Delta R.T. 0.011 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 88 Resp: 4717

Ion	Ratio	Lower	Upper
88	100		
58	84.5	63.6	95.4
43	42.2	30.8	46.2

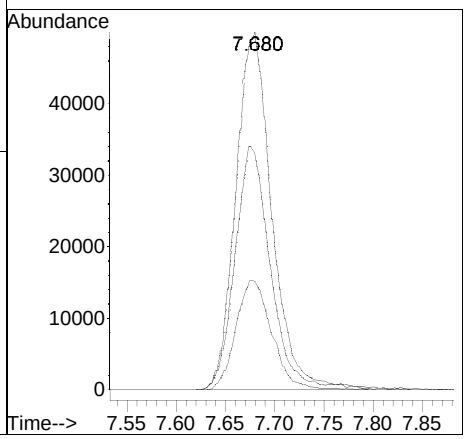


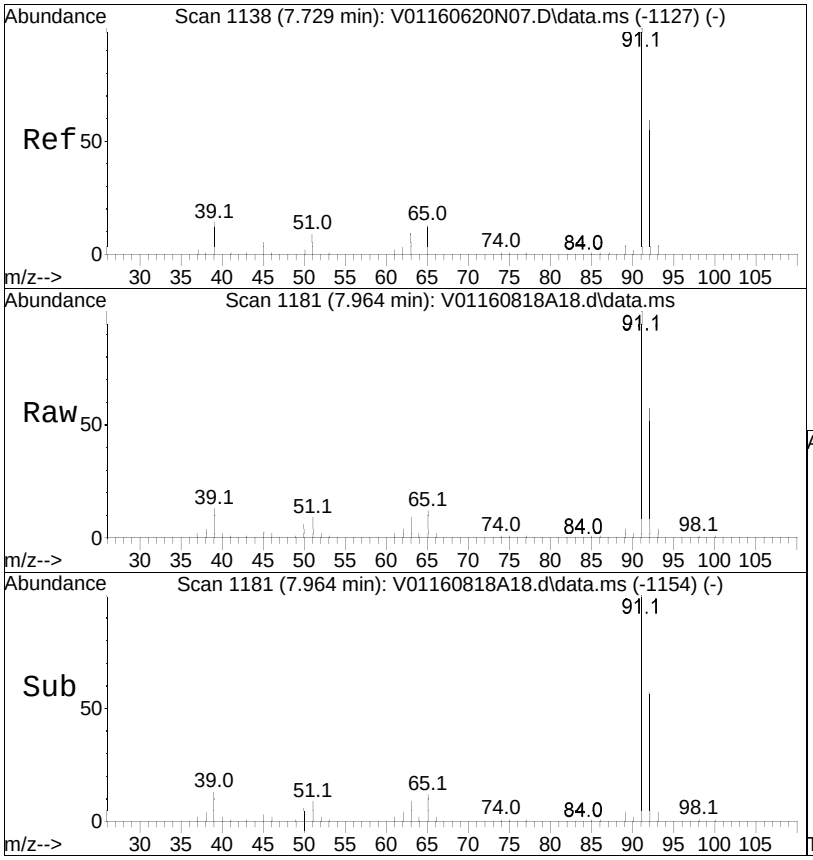


#58
cis-1,3-Dichloropropene
Concen: 10.26 ug/L
RT: 7.680 min Scan# 1129
Delta R.T. 0.005 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 75 Resp: 126337

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.0	37.4
39	66.2	56.1	84.1

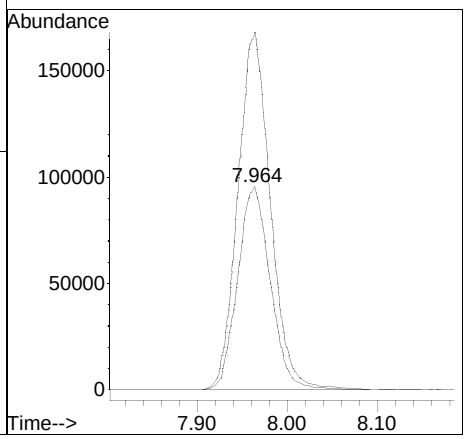


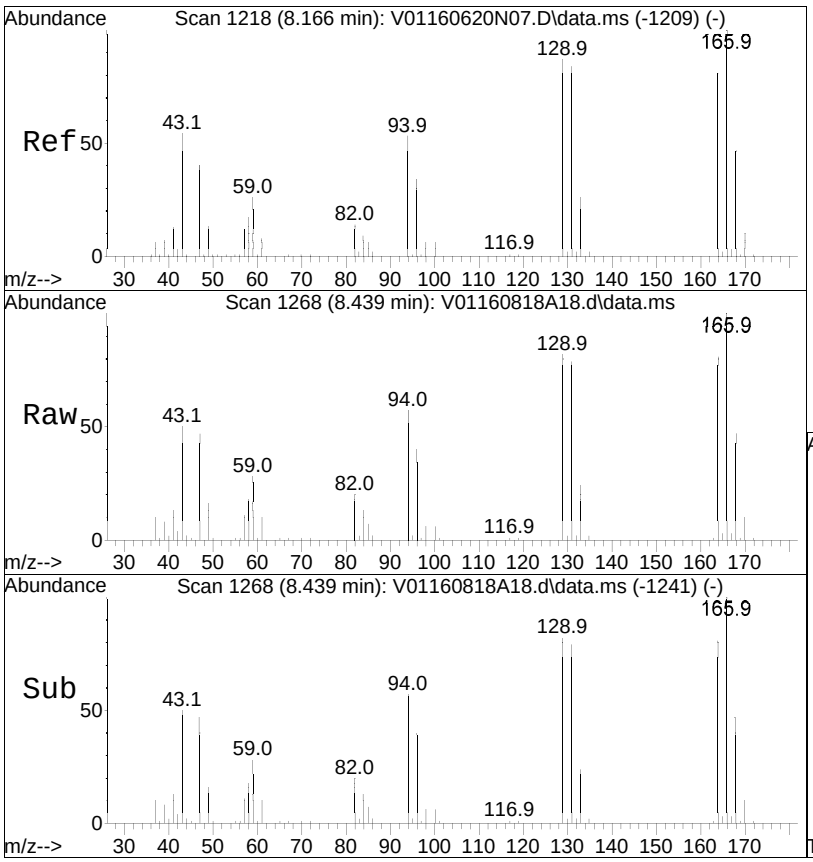


#61
Toluene
Concen: 10.82 ug/L
RT: 7.964 min Scan# 1181
Delta R.T. -0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 92 Resp: 238477

Ion	Ratio	Lower	Upper
92	100		
91	174.5	135.4	203.0

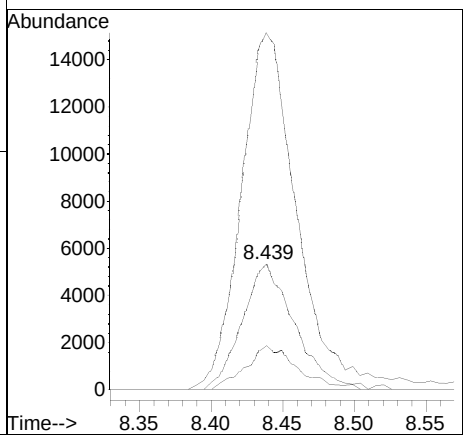


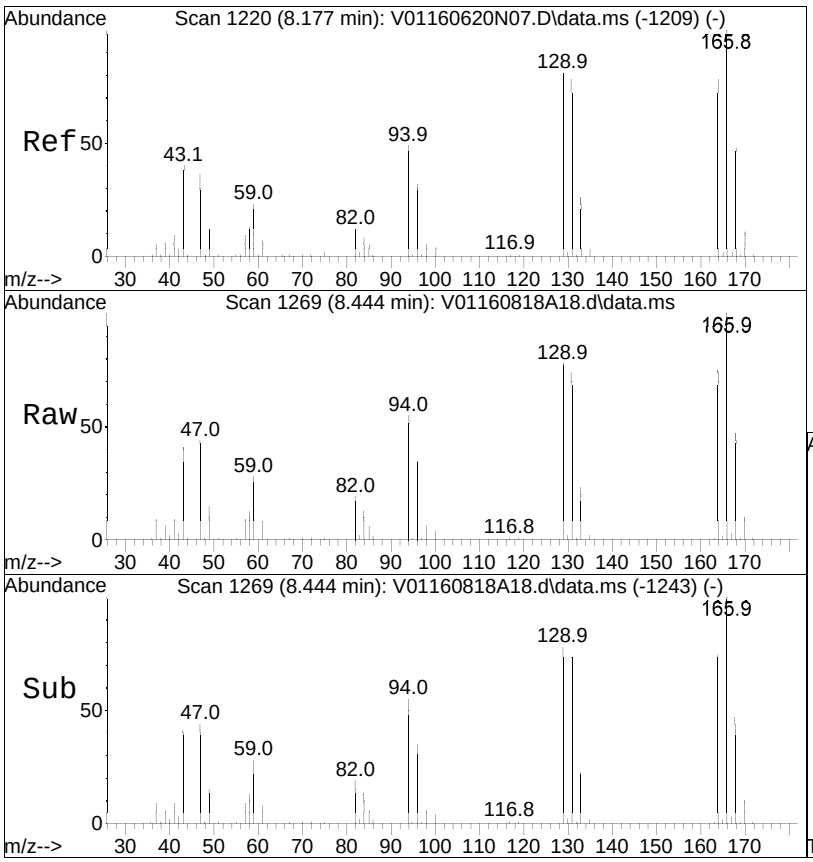


#62
4-Methyl-2-pentanone
Concen: 9.31 ug/L
RT: 8.439 min Scan# 1268
Delta R.T. -0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 58 Resp: 13589

Ion	Ratio	Lower	Upper
58	100		
100	34.6	28.1	42.1
43	302.6	251.4	377.2

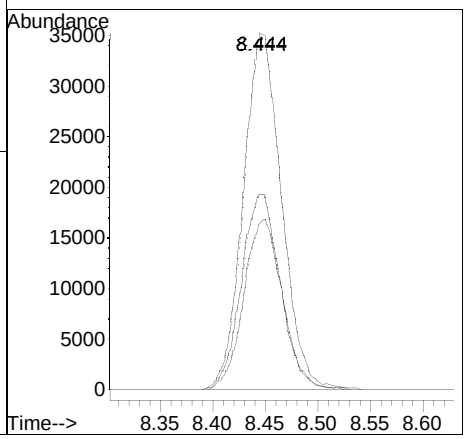


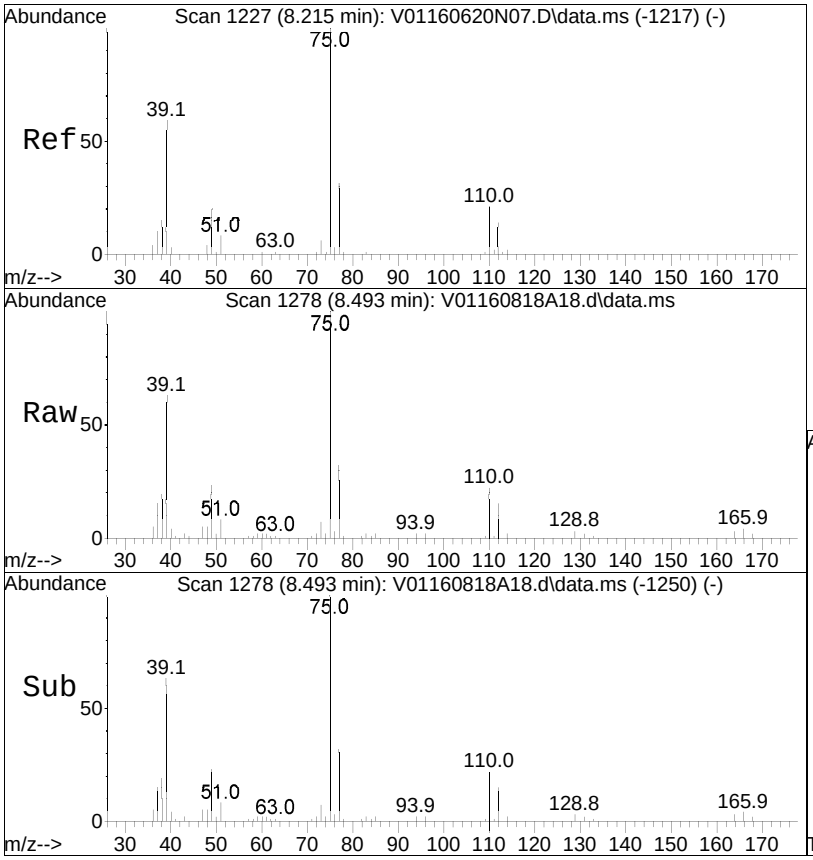


#63
Tetrachloroethene
Concen: 10.63 ug/L
RT: 8.444 min Scan# 1269
Delta R.T. -0.006 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:166 Resp: 88687

Ion	Ratio	Lower	Upper
166	100		
168	48.5	27.9	67.9
94	56.1	30.3	70.3

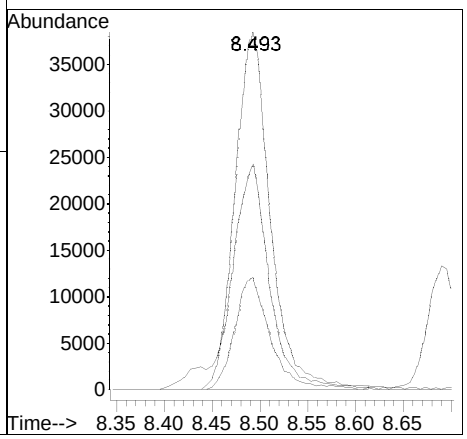


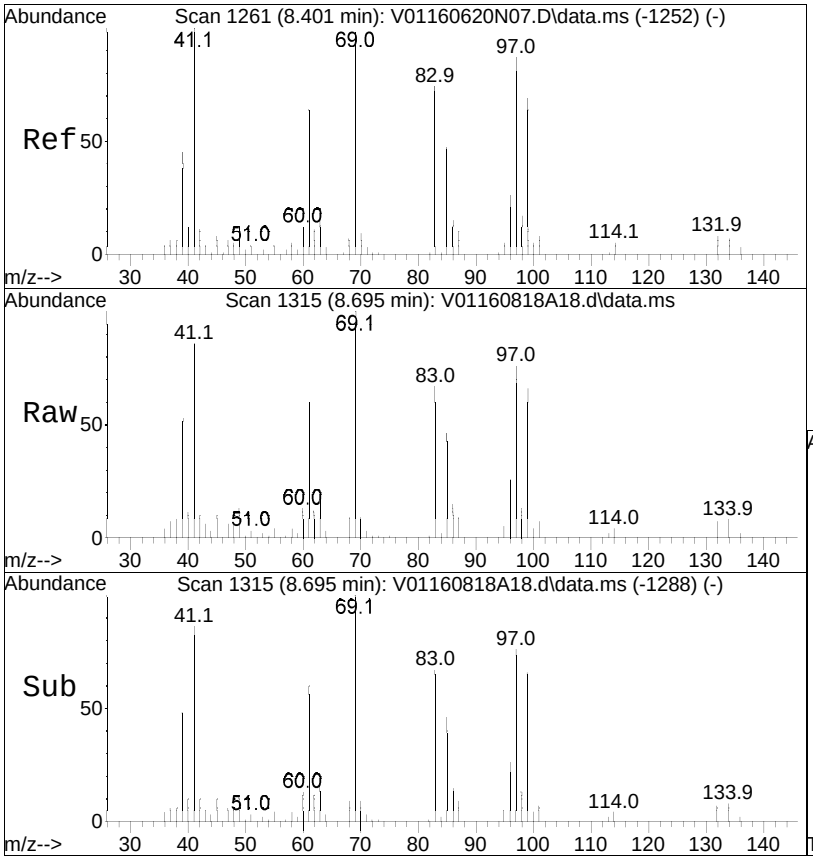


#65
trans-1,3-Dichloropropene
Concen: 10.20 ug/L
RT: 8.493 min Scan# 1278
Delta R.T. 0.005 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 75 Resp: 98813

Ion	Ratio	Lower	Upper
75	100		
77	31.5	11.2	51.2
39	69.4	52.3	92.3

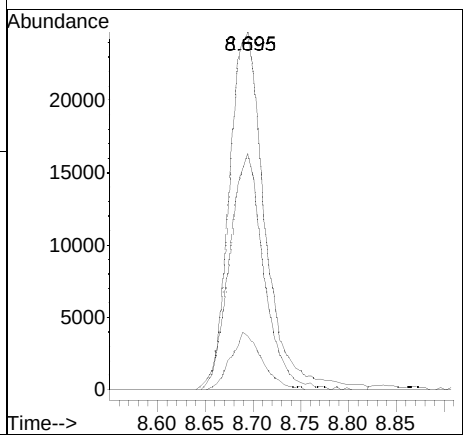


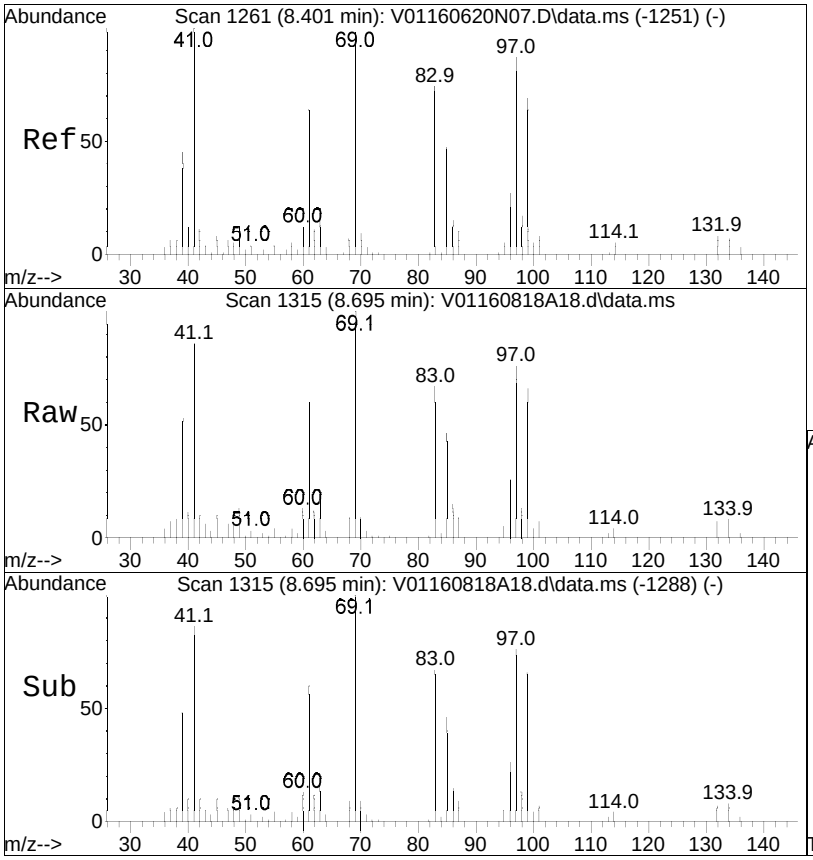


#67
Ethyl methacrylate
Concen: 10.04 ug/L
RT: 8.695 min Scan# 1315
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 69 Resp: 63802

Ion	Ratio	Lower	Upper
69	100		
99	64.1	53.0	93.0
86	14.3	0.0	35.7

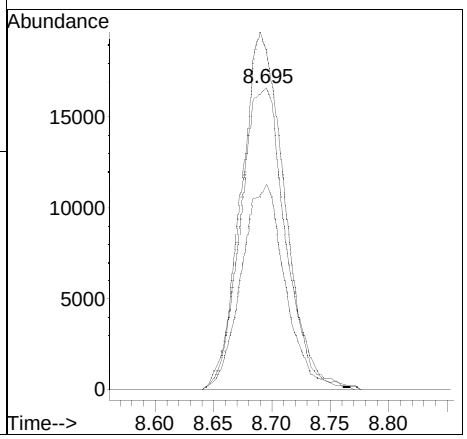


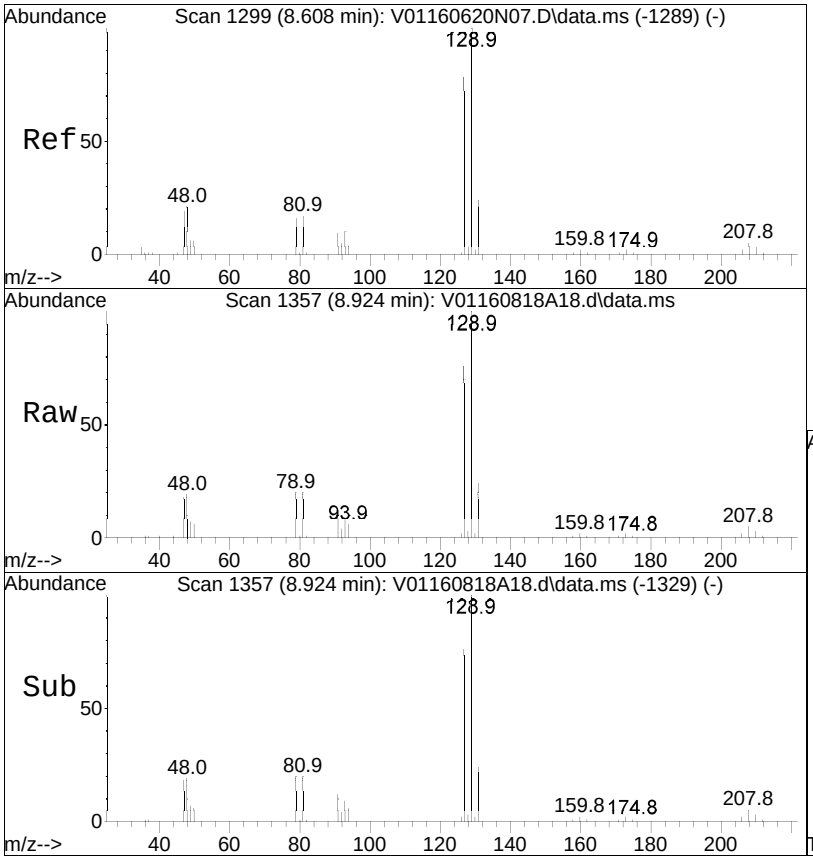


#68
1,1,2-Trichloroethane
Concen: 10.31 ug/L
RT: 8.695 min Scan# 1315
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 83 Resp: 44225

Ion	Ratio	Lower	Upper
83	100		
97	114.8	100.7	140.7
85	66.9	47.4	87.4

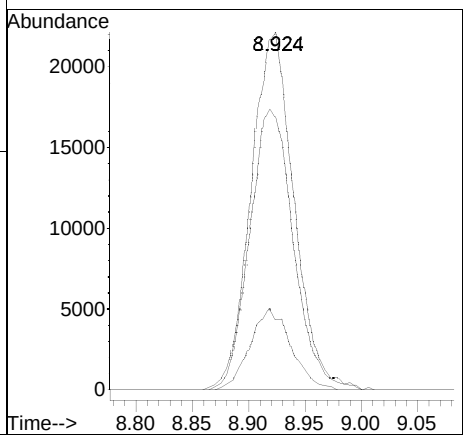


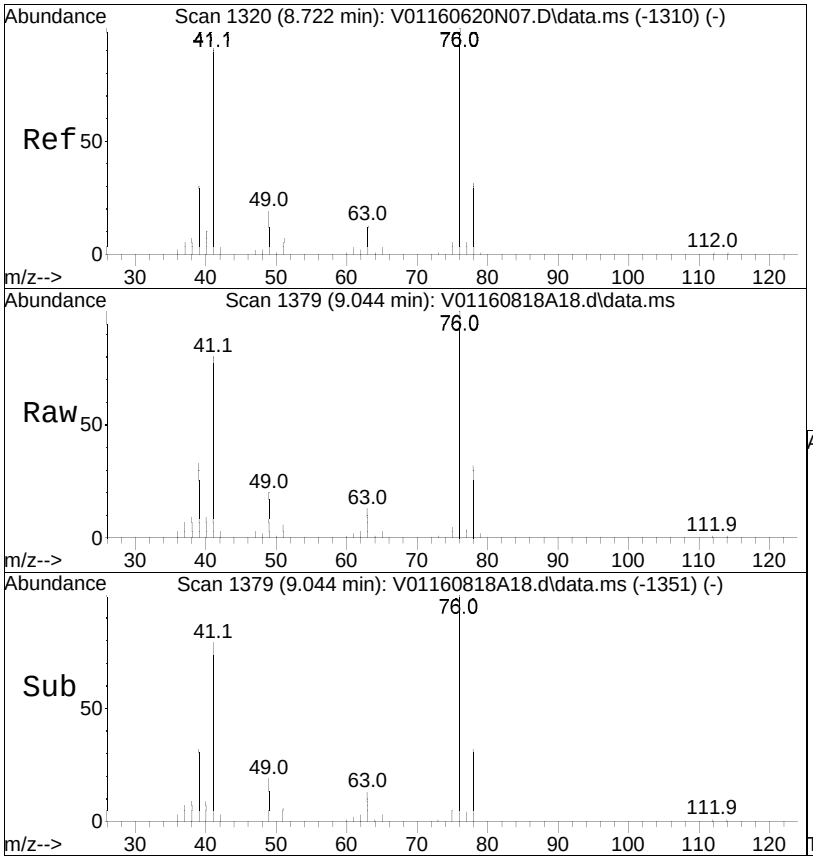


#69
Chlorodibromomethane
Concen: 9.68 ug/L
RT: 8.924 min Scan# 1357
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:129 Resp: 58269

Ion	Ratio	Lower	Upper
129	100		
81	21.8	0.0	37.2
127	80.0	57.7	97.7

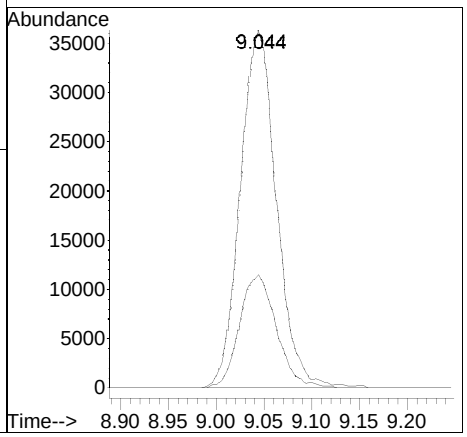


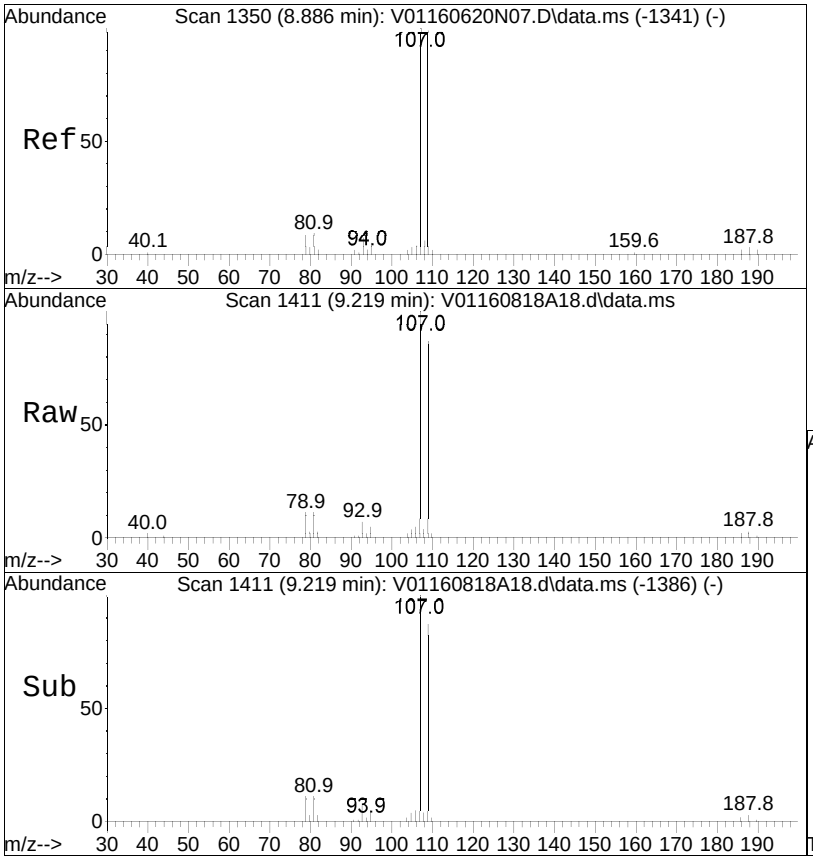


#70
1,3-Dichloropropane
Concen: 10.52 ug/L
RT: 9.044 min Scan# 1379
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 76 Resp: 94675

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9

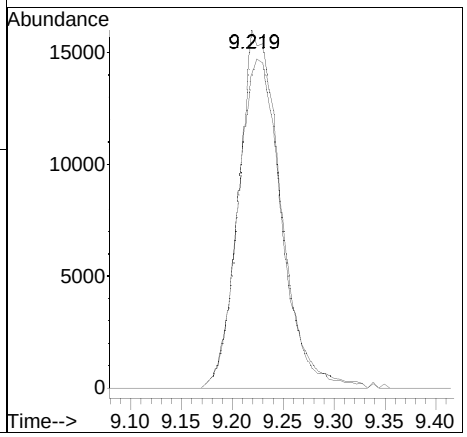


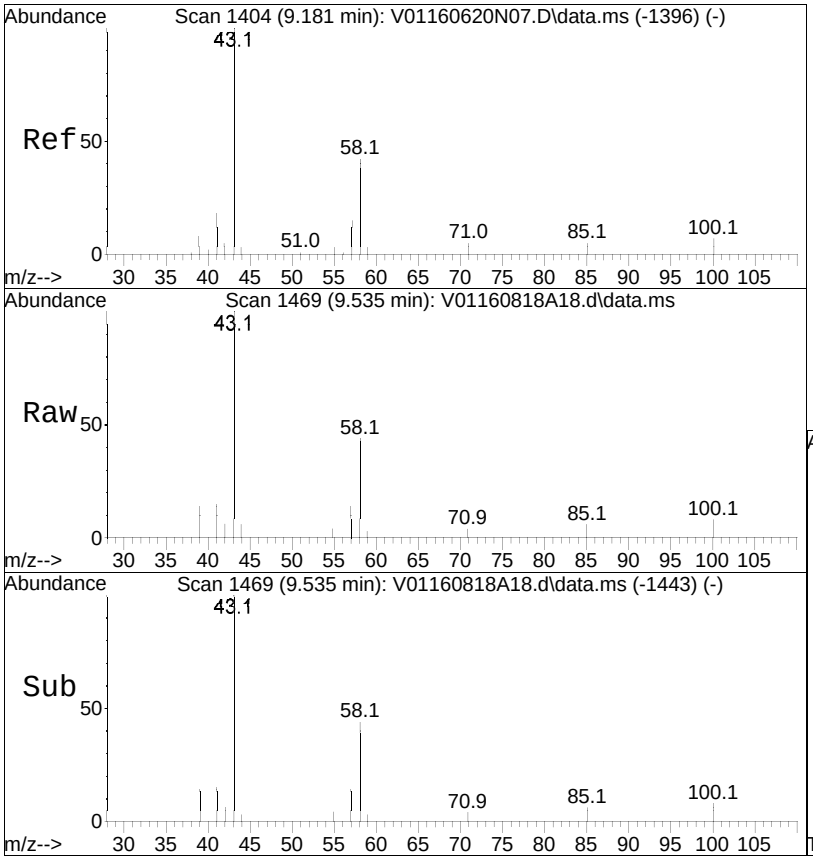


#71
1,2-Dibromoethane
Concen: 9.99 ug/L
RT: 9.219 min Scan# 1411
Delta R.T. -0.011 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:107 Resp: 45616

Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.8	113.6

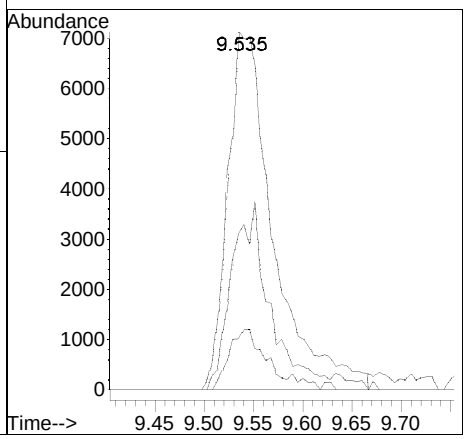


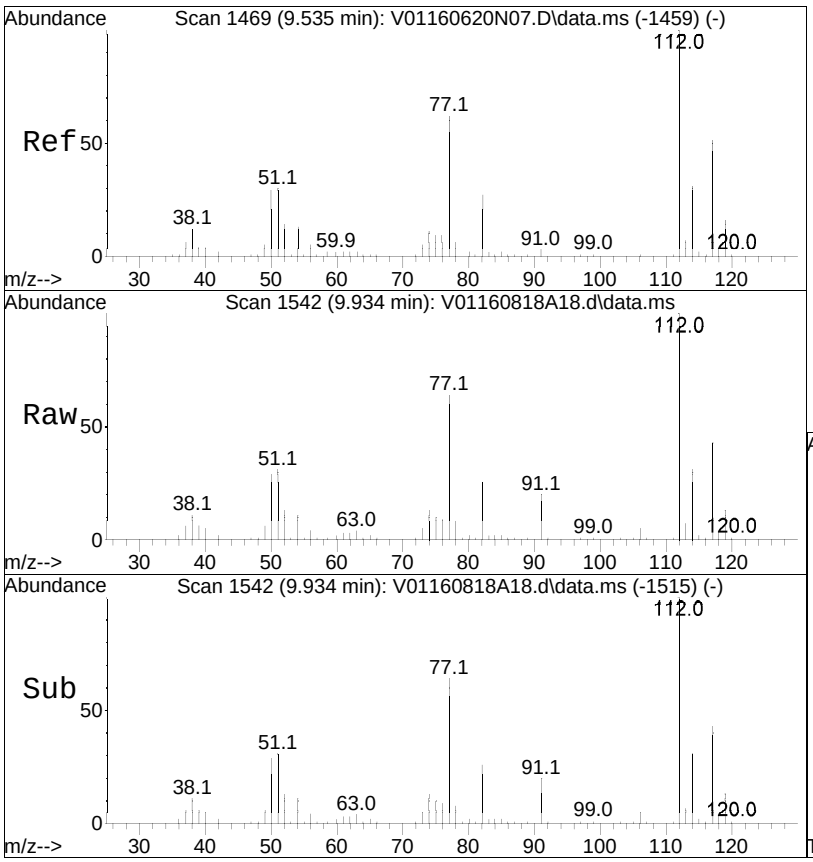


#72
2-Hexanone
Concen: 10.02 ug/L
RT: 9.535 min Scan# 1469
Delta R.T. -0.011 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 43 Resp: 22843

Ion	Ratio	Lower	Upper
43	100		
58	43.9	35.1	52.7
57	13.2	11.9	17.9

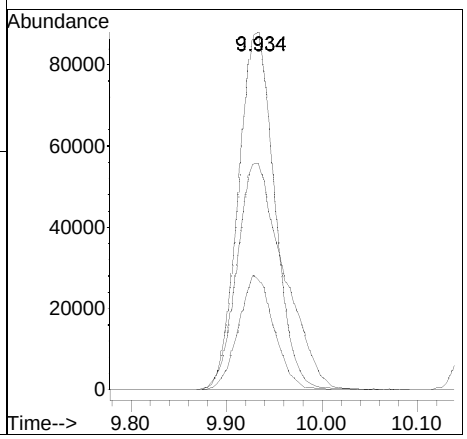


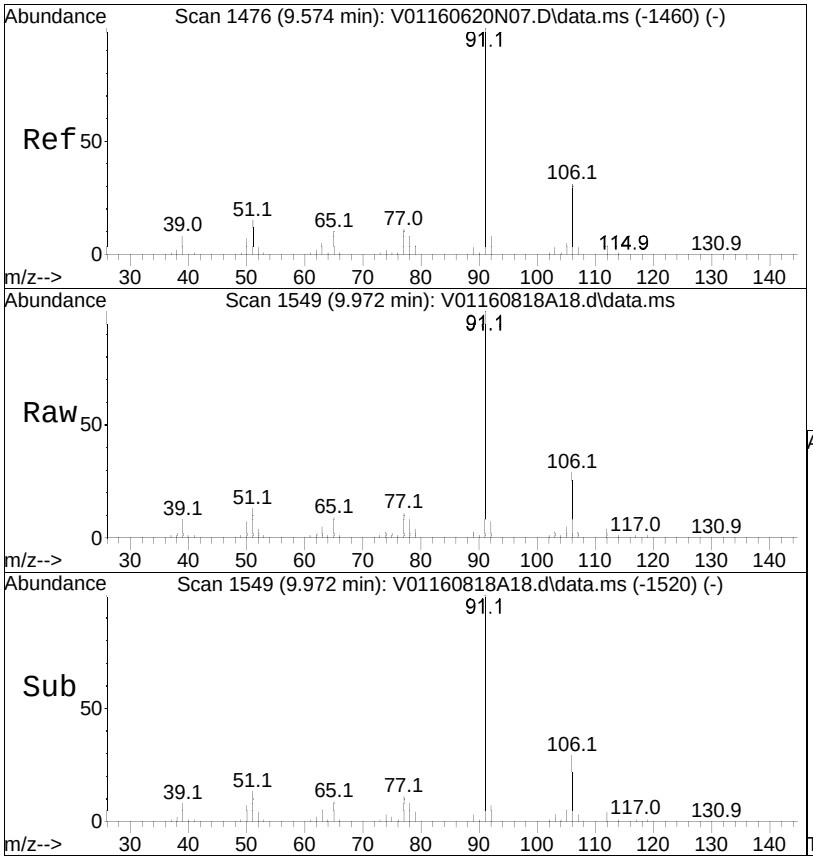


#73
Chlorobenzene
Concen: 10.28 ug/L
RT: 9.934 min Scan# 1542
Delta R.T. -0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:112 Resp: 232185

Ion	Ratio	Lower	Upper
112	100		
77	81.9	60.7	91.1
114	31.5	25.9	38.9

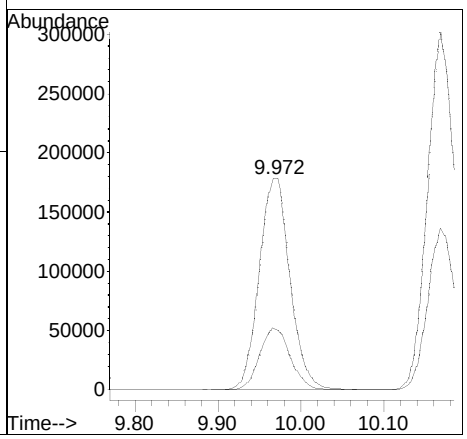


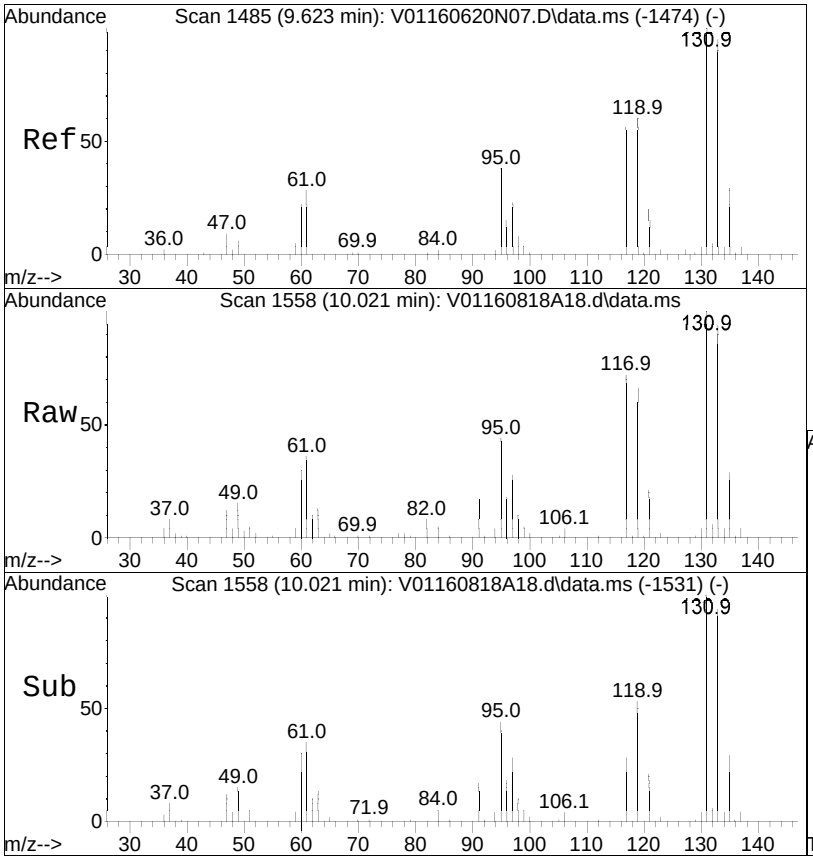


#74
Ethylbenzene
Concen: 10.49 ug/L
RT: 9.972 min Scan# 1549
Delta R.T. 0.006 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 91 Resp: 460035

Ion	Ratio	Lower	Upper
91	100		
106	29.0	24.8	37.2

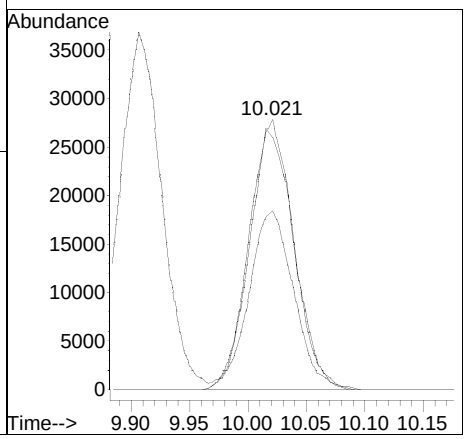


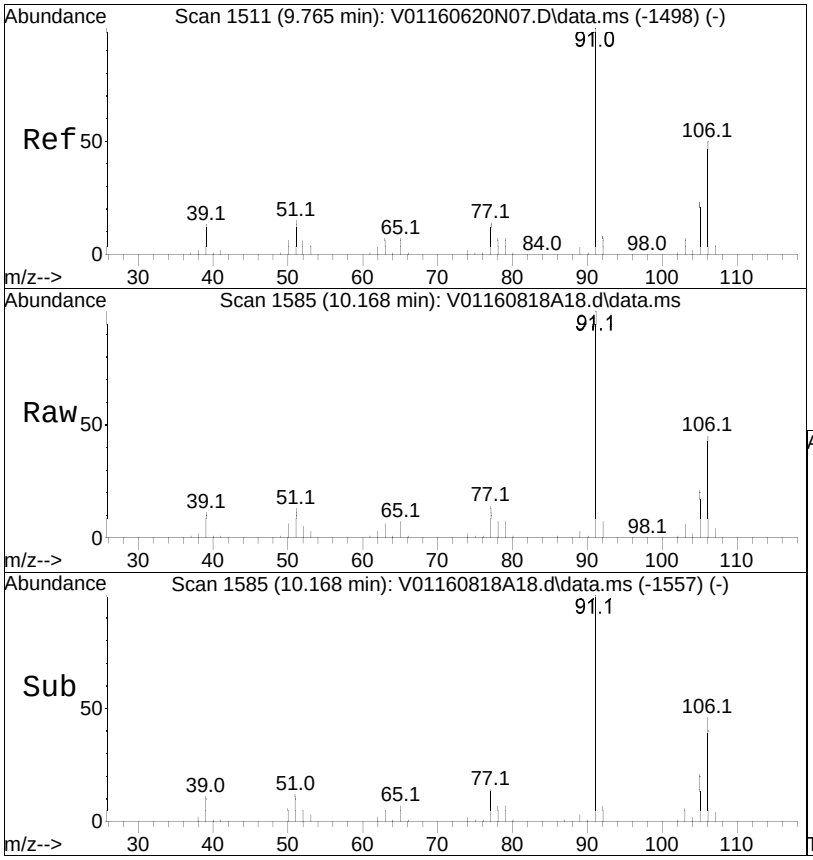


#75
1,1,1,2-Tetrachloroethane
Concen: 9.89 ug/L
RT: 10.021 min Scan# 1558
Delta R.T. -0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:131 Resp: 74393

Ion	Ratio	Lower	Upper
131	100		
133	95.9	74.2	114.2
119	66.2	45.3	85.3

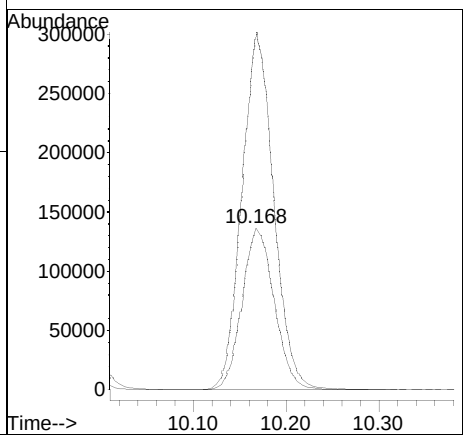


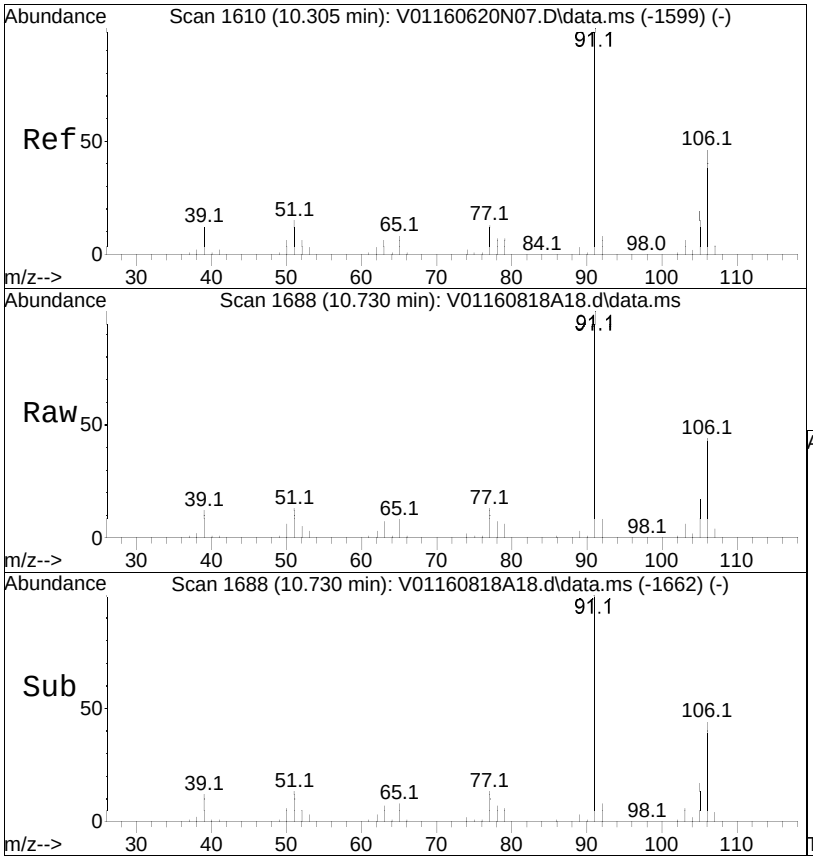


#76
p/m Xylene
Concen: 20.14 ug/L
RT: 10.168 min Scan# 1585
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:106 Resp: 327590

Ion	Ratio	Lower	Upper
106	100		
91	216.6	162.6	243.8

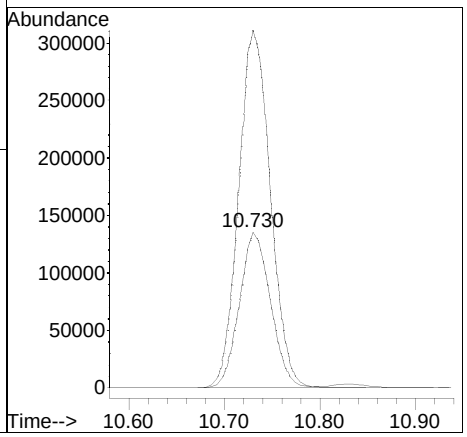


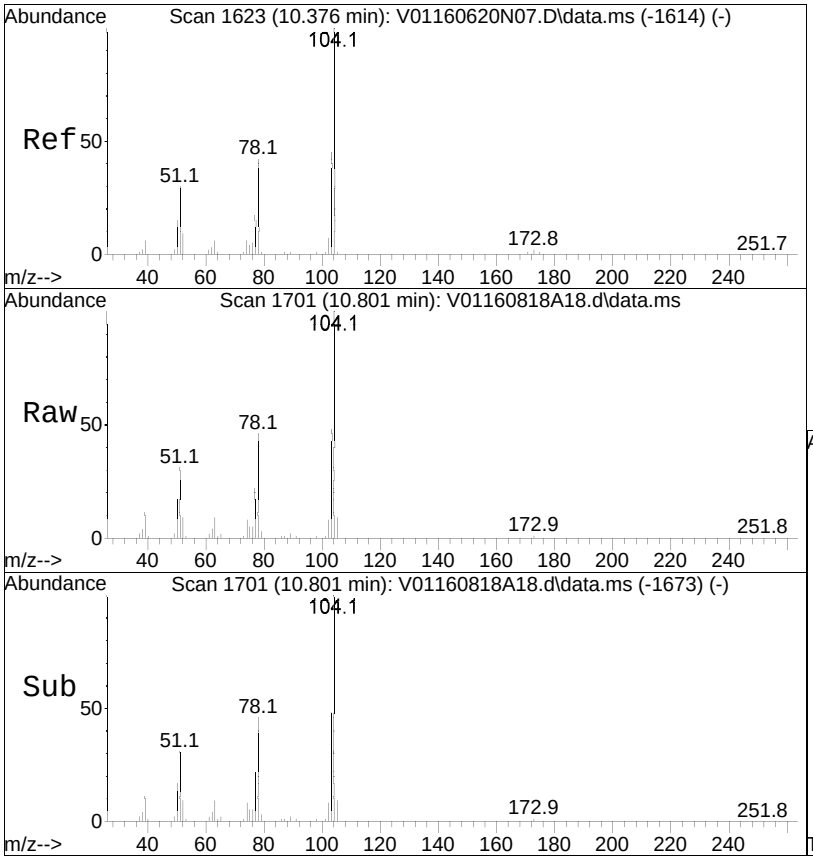


#77
o Xylene
Concen: 19.84 ug/L
RT: 10.730 min Scan# 1688
Delta R.T. -0.006 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:106 Resp: 306044

Ion	Ratio	Lower	Upper
106	100		
91	231.5	169.8	254.6

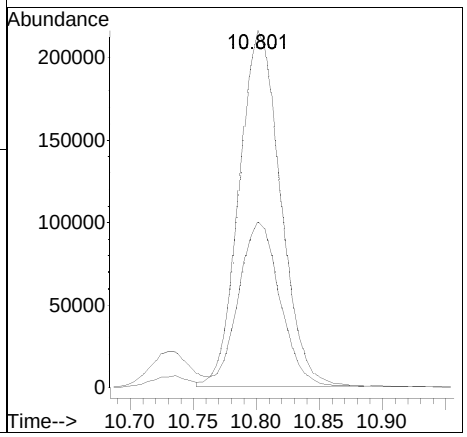


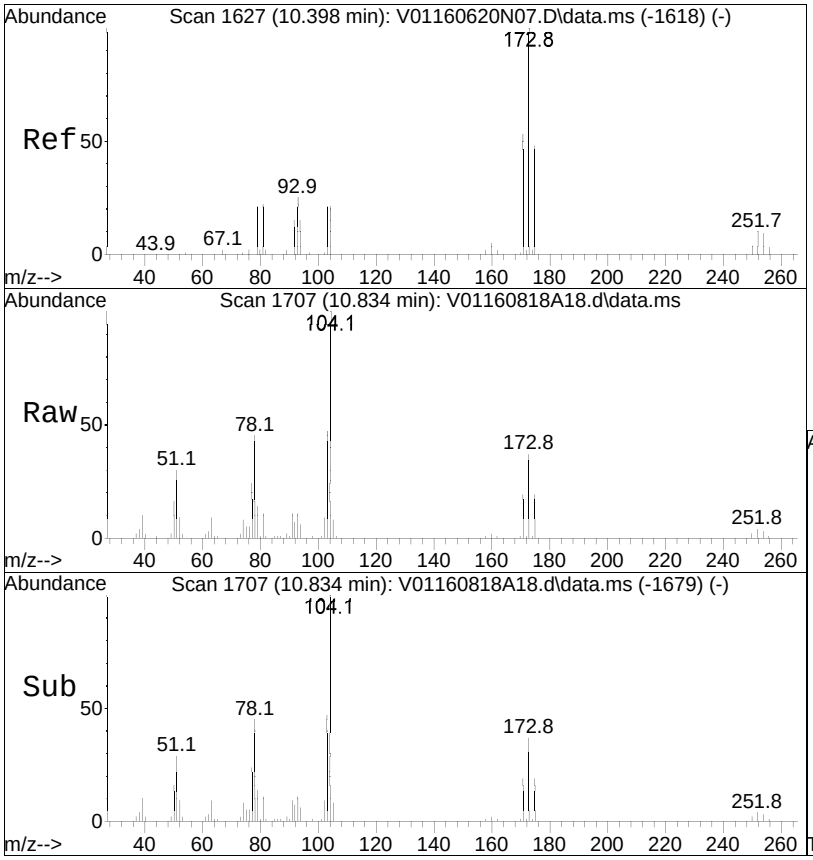


#78
Styrene
Concen: 19.23 ug/L
RT: 10.801 min Scan# 1701
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:104 Resp: 492242

Ion	Ratio	Lower	Upper
104	100		
78	46.8	34.8	52.2

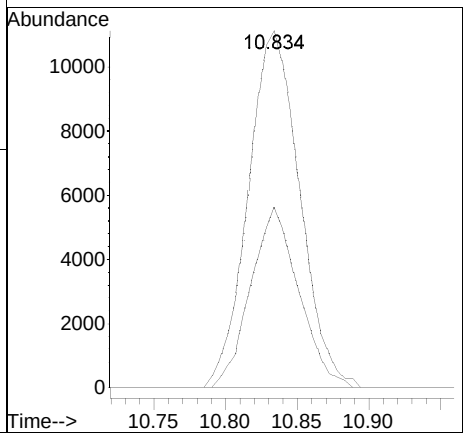


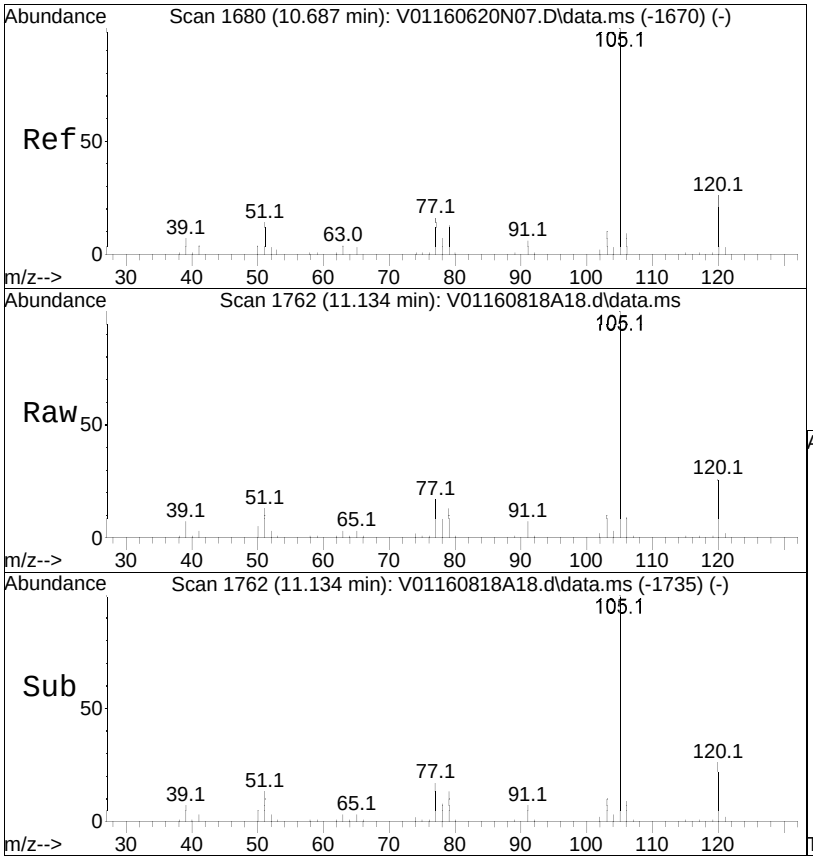


#80
Bromoform
Concen: 9.34 ug/L
RT: 10.834 min Scan# 1707
Delta R.T. 0.005 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:173 Resp: 27745

Ion	Ratio	Lower	Upper
173	100		
175	47.3	28.6	68.6

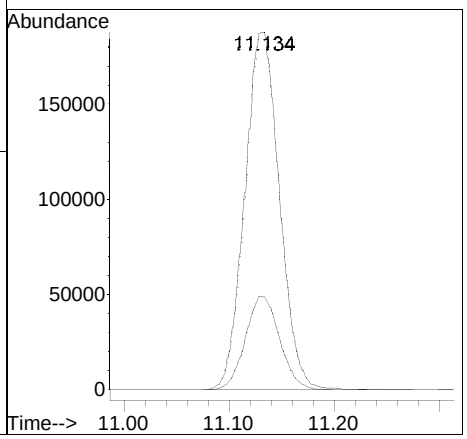


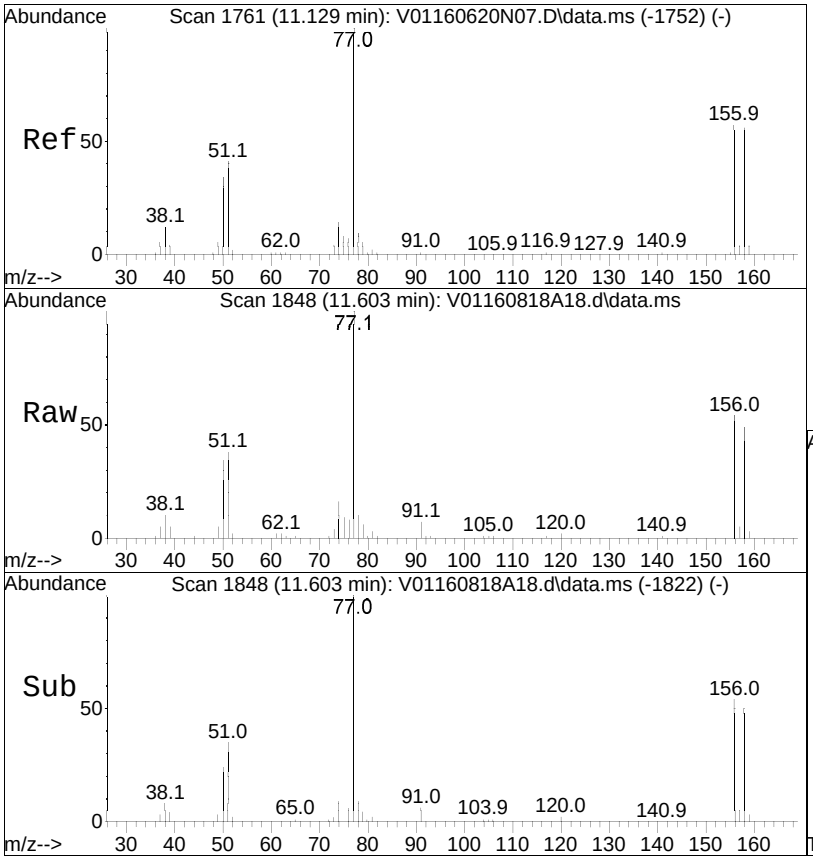


#82
Isopropylbenzene
Concen: 11.00 ug/L
RT: 11.134 min Scan# 1762
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:105 Resp: 425473

Ion	Ratio	Lower	Upper
105	100		
120	26.0	6.4	46.4

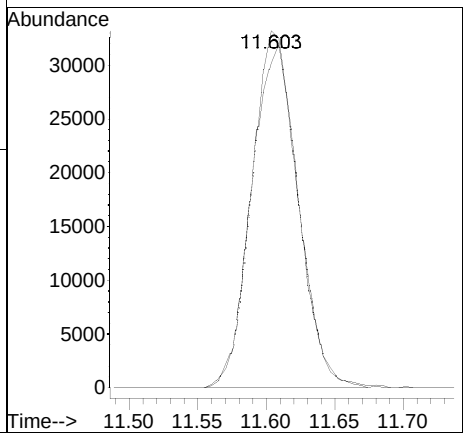


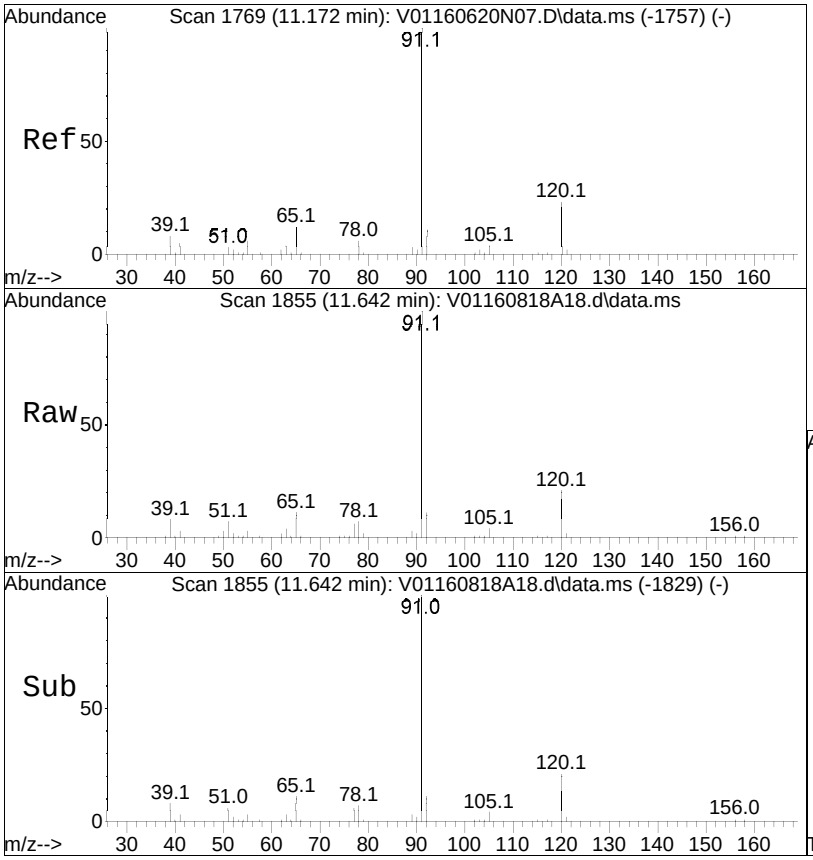


#84
Bromobenzene
Concen: 10.37 ug/L
RT: 11.603 min Scan# 1848
Delta R.T. -0.006 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:156 Resp: 77511

Ion	Ratio	Lower	Upper
156	100		
158	96.9	77.4	116.2

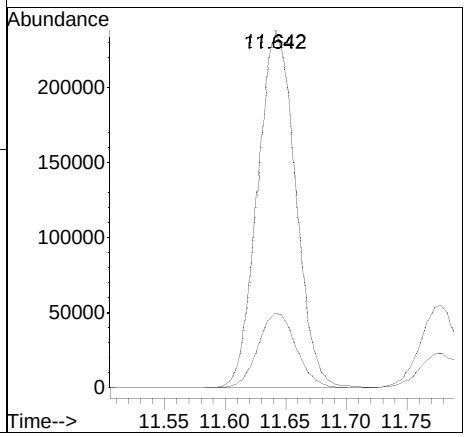


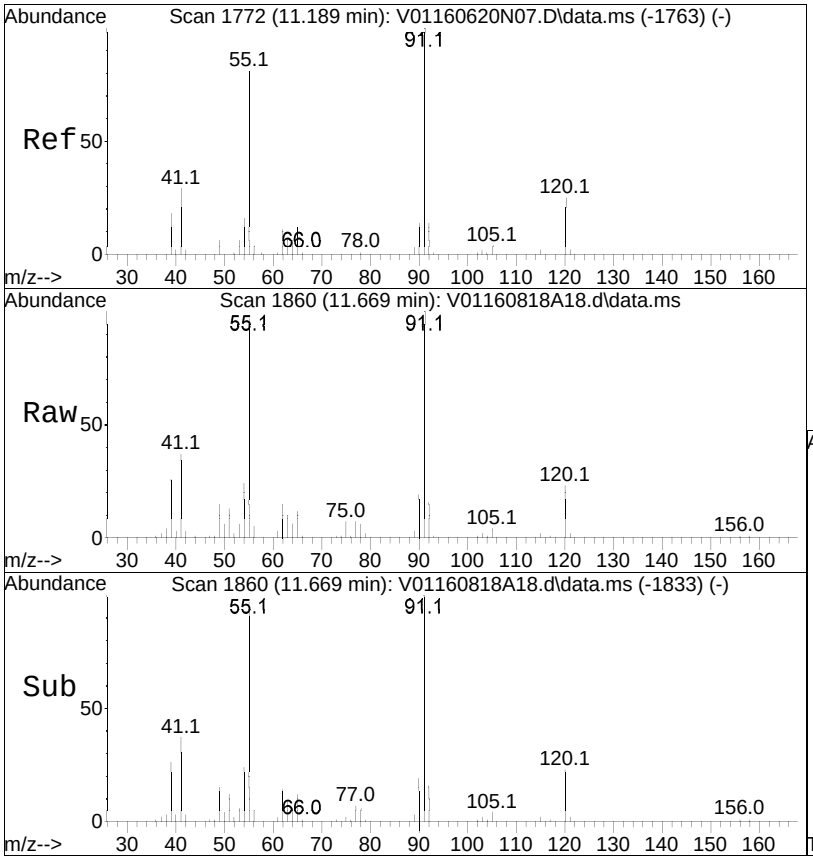


#85
n-Propylbenzene
Concen: 10.86 ug/L
RT: 11.642 min Scan# 1855
Delta R.T. -0.005 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 91 Resp: 513724

Ion	Ratio	Lower	Upper
91	100		
120	21.1	18.6	28.0

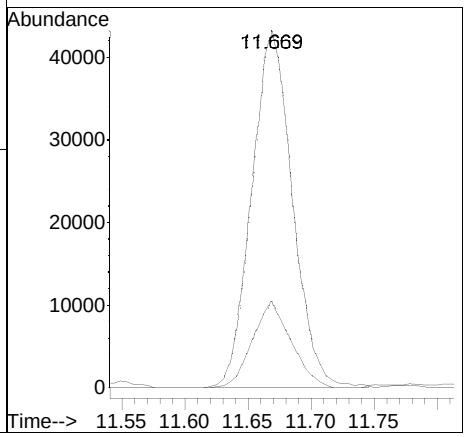


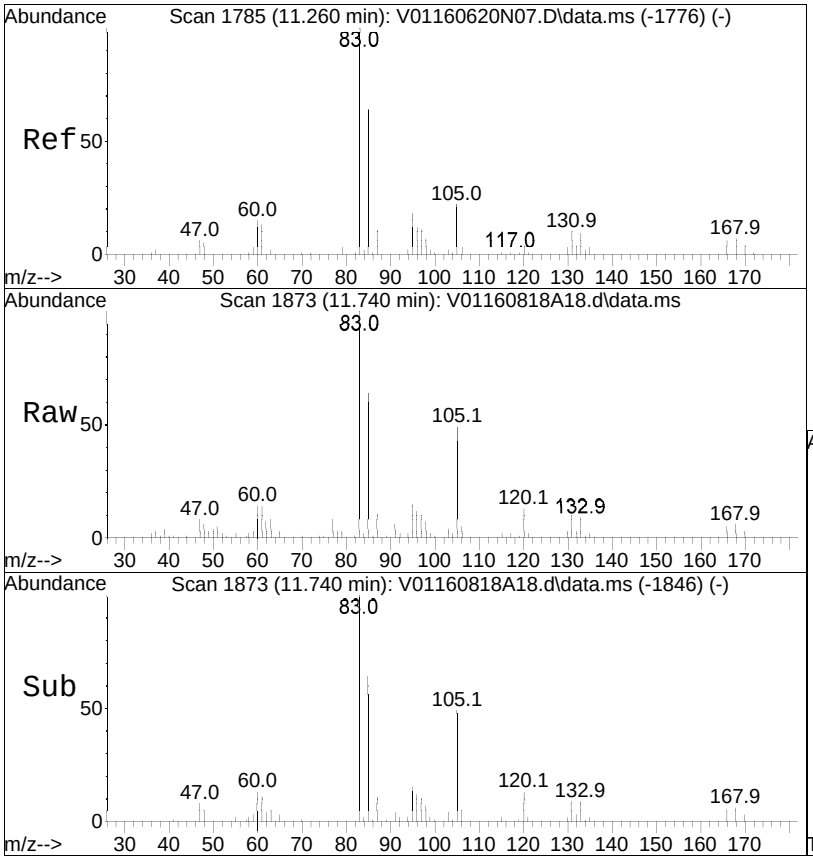


#86
1,4-Dichlorobutane
Concen: 10.69 ug/L
RT: 11.669 min Scan# 1860
Delta R.T. -0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 55 Resp: 96329

Ion	Ratio	Lower	Upper
55	100		
54	23.1	17.6	26.4

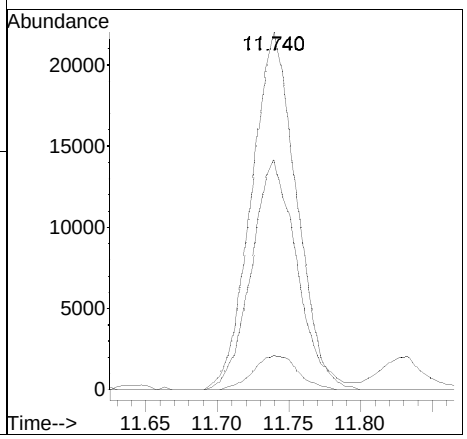


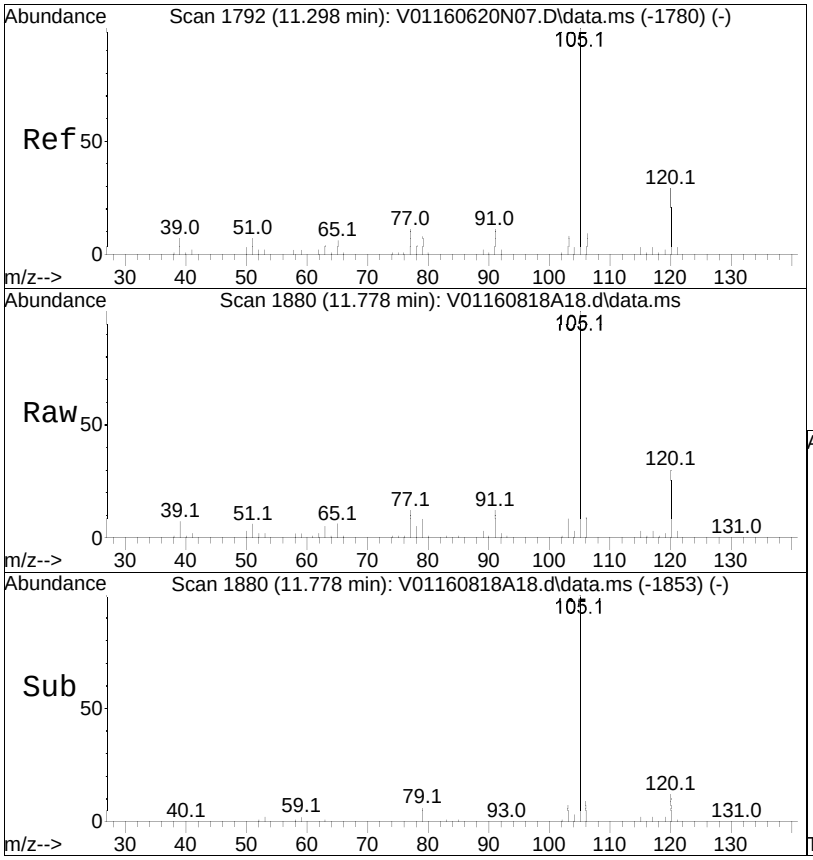


#87
1,1,2,2-Tetrachloroethane
Concen: 10.64 ug/L
RT: 11.740 min Scan# 1873
Delta R.T. -0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 83 Resp: 47665

Ion	Ratio	Lower	Upper
83	100		
131	9.6	0.0	30.2
85	65.6	45.4	85.4

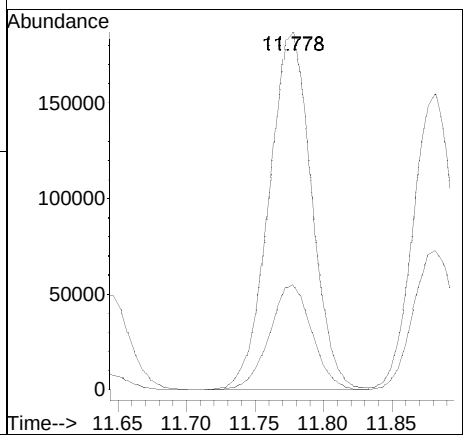


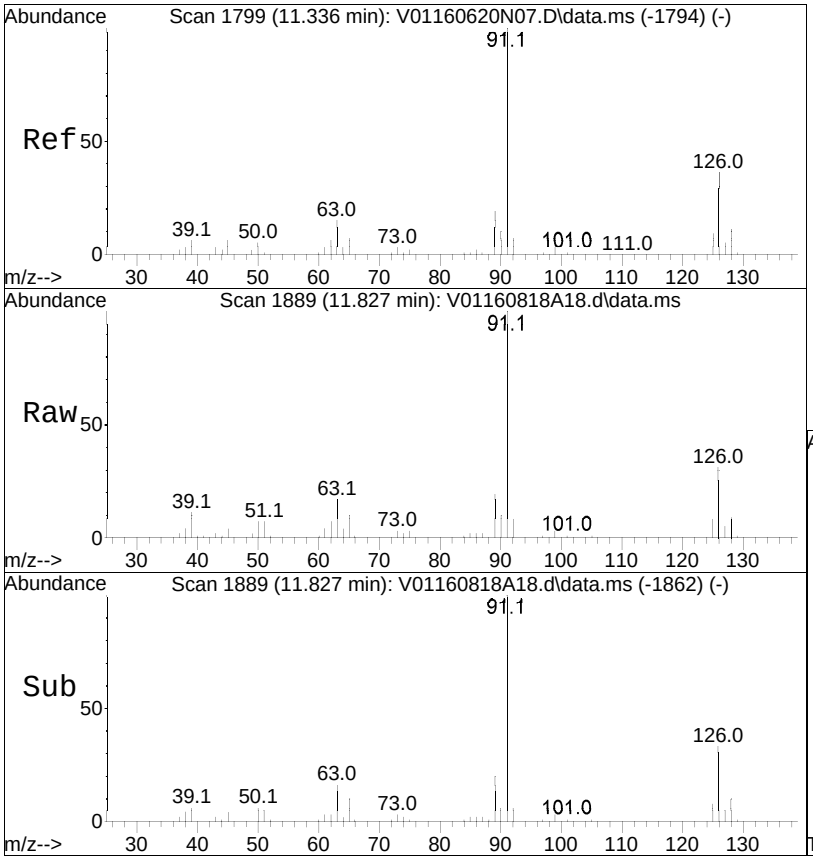


#88
4-Ethyltoluene
Concen: 10.75 ug/L
RT: 11.778 min Scan# 1880
Delta R.T. -0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:105 Resp: 404372

Ion	Ratio	Lower	Upper
105	100		
120	29.3	19.0	39.6

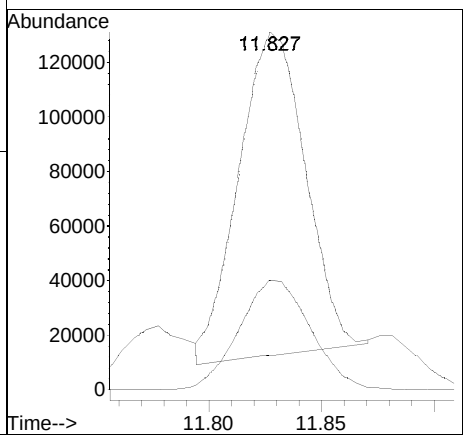


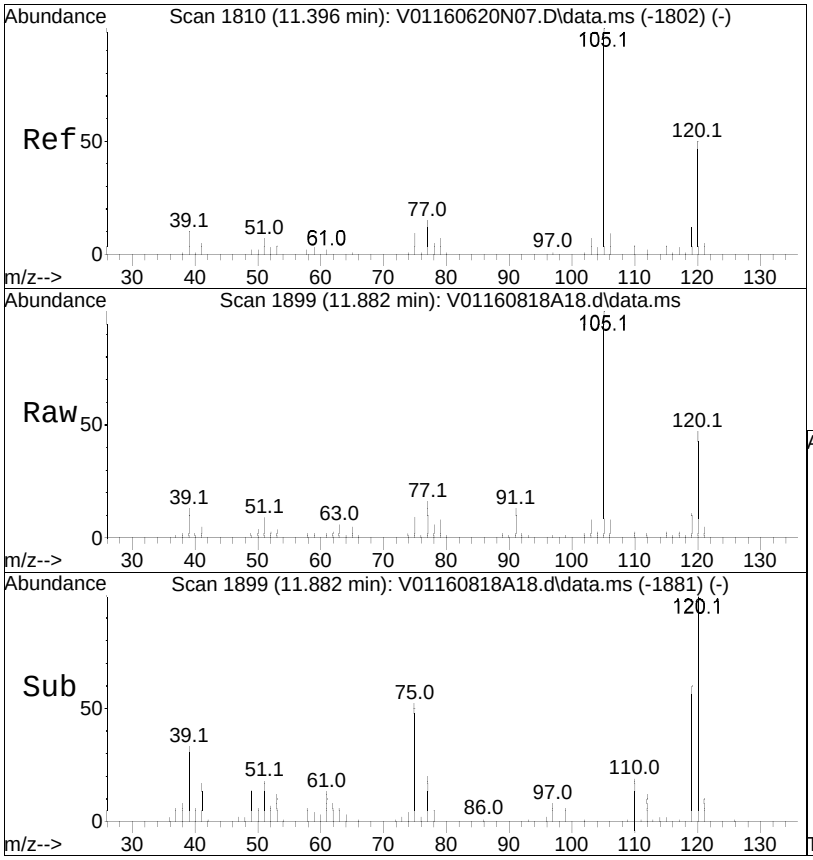


#89
2-Chlorotoluene
Concen: 8.68 ug/L
RT: 11.827 min Scan# 1889
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 91 Resp: 242525

Ion	Ratio	Lower	Upper
91	100		
126	36.9	27.2	40.8

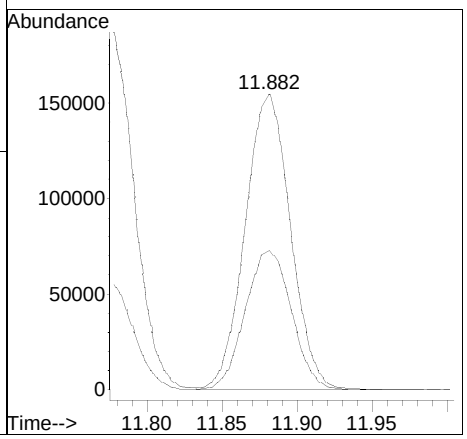


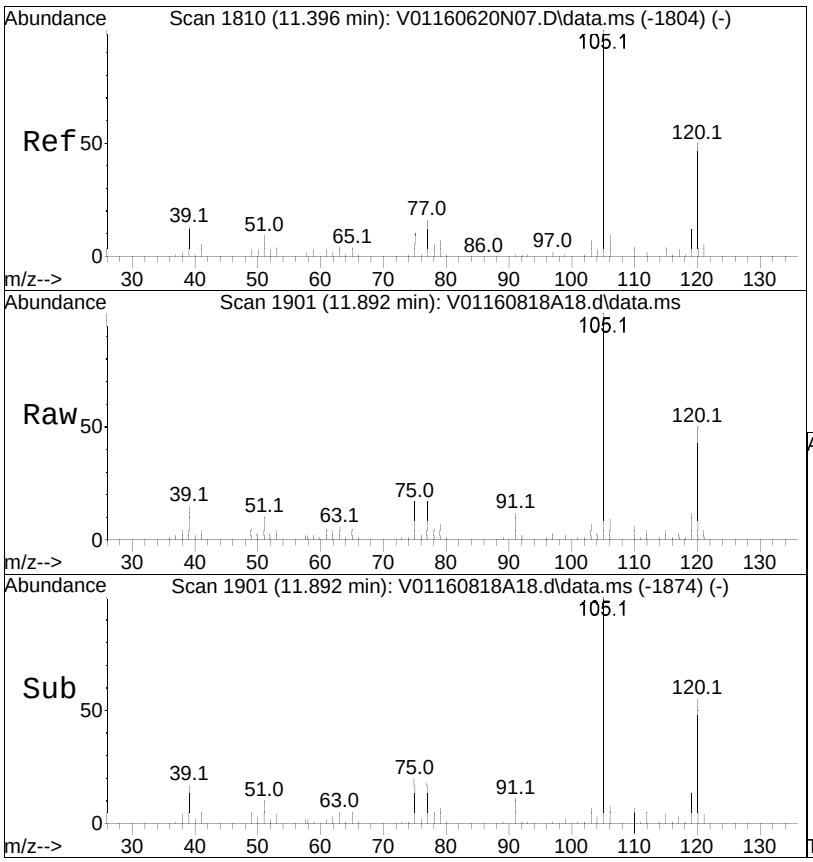


#90
1,3,5-Trimethylbenzene
Concen: 10.41 ug/L
RT: 11.882 min Scan# 1899
Delta R.T. -0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:105 Resp: 322584

Ion	Ratio	Lower	Upper
105	100		
120	48.5	23.4	35.2#

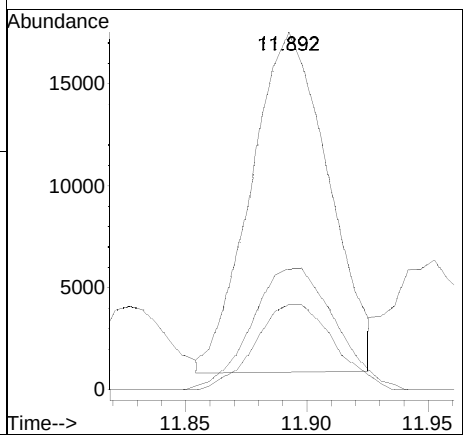


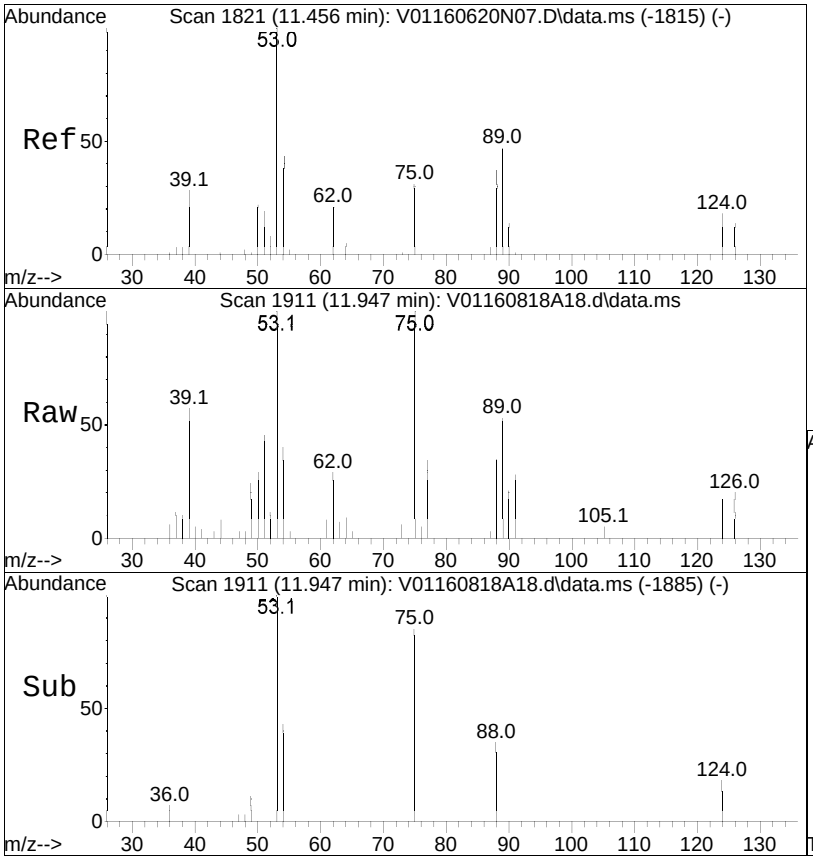


#91
1,2,3-Trichloropropane
Concen: 9.11 ug/L
RT: 11.892 min Scan# 1901
Delta R.T. -0.001 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 75 Resp: 36954

Ion	Ratio	Lower	Upper
75	100		
110	38.5	23.1	48.1
112	25.7	15.4	32.0

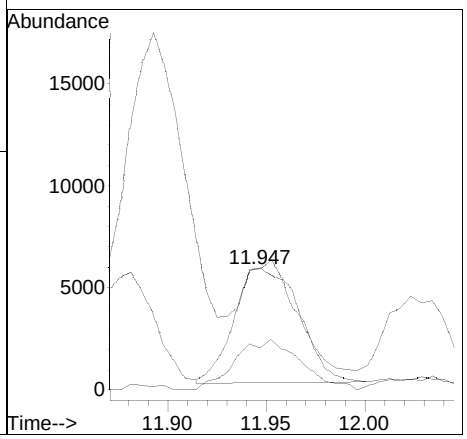


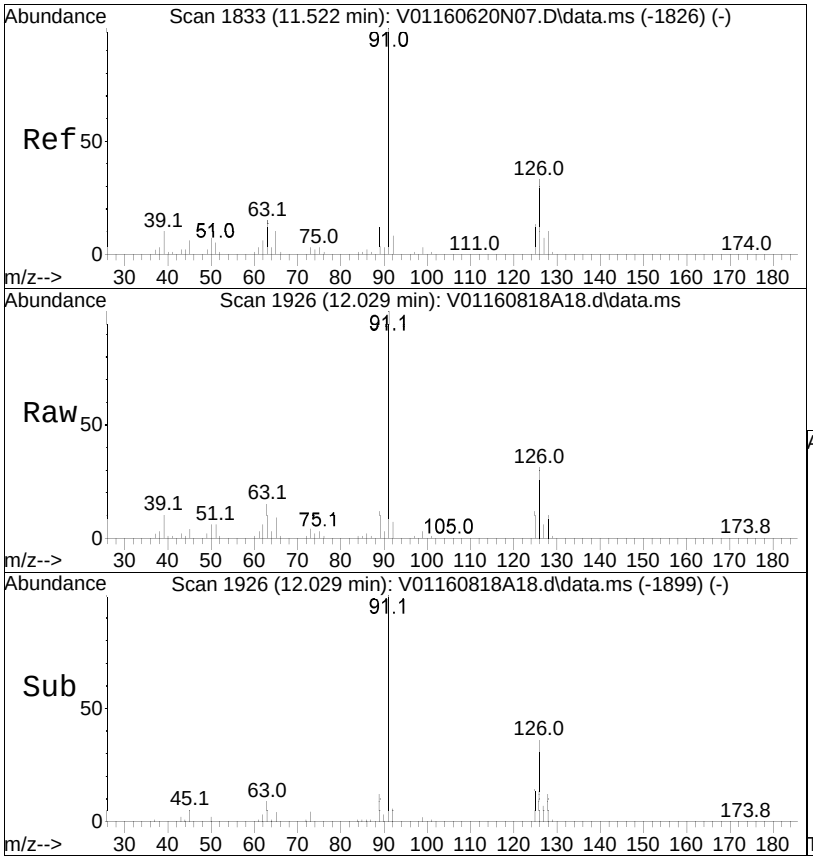


#92
trans-1,4-Dichloro-2-butene
Concen: 8.67 ug/L
RT: 11.947 min Scan# 1911
Delta R.T. -0.006 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 53 Resp: 12632

Ion	Ratio	Lower	Upper
53	100		
88	45.3	30.2	45.4
75	89.4	74.6	111.8

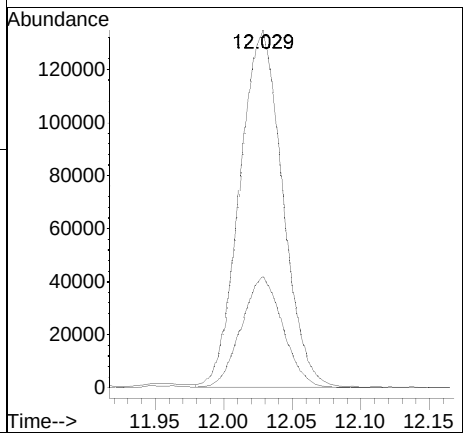


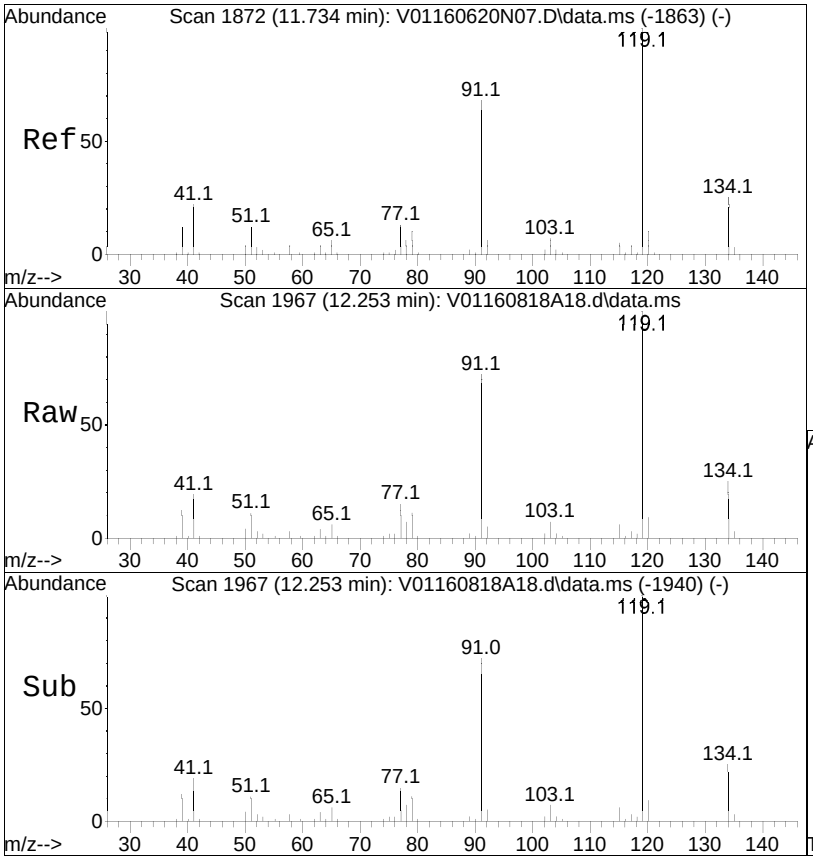


#93
4-Chlorotoluene
Concen: 10.70 ug/L
RT: 12.029 min Scan# 1926
Delta R.T. -0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 91 Resp: 288749

Ion	Ratio	Lower	Upper
91	100		
126	30.7	0.0	0.0#

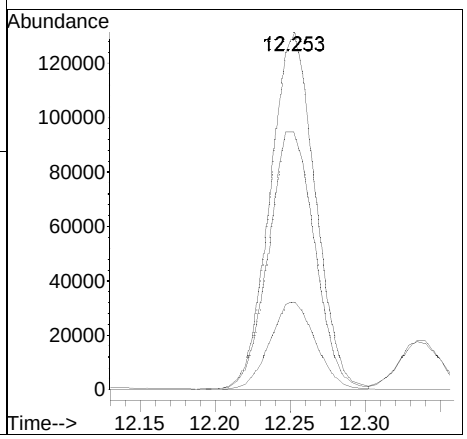


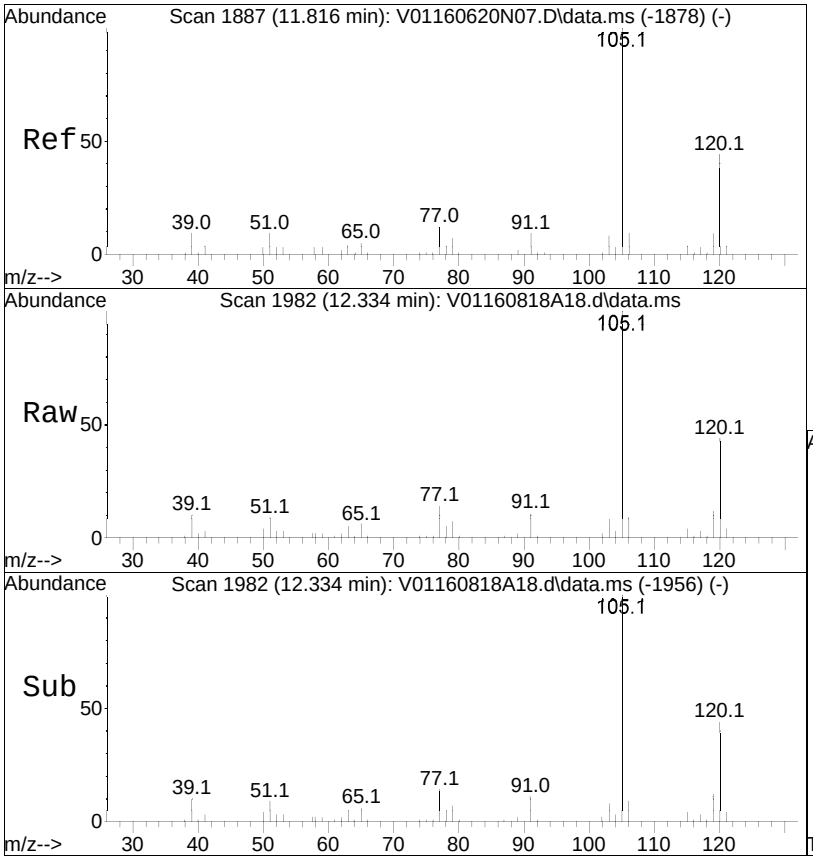


#94
tert-Butylbenzene
Concen: 10.67 ug/L
RT: 12.253 min Scan# 1967
Delta R.T. -0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:119 Resp: 272378

Ion	Ratio	Lower	Upper
119	100		
91	74.0	54.2	81.2
134	24.7	19.7	29.5

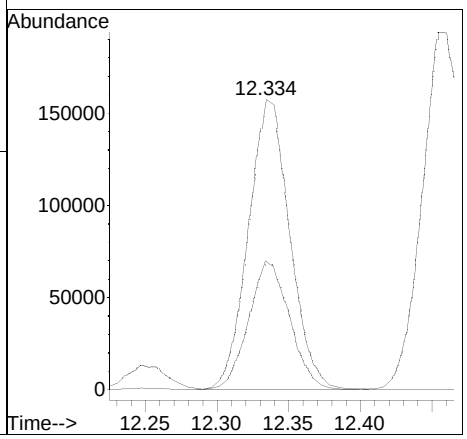


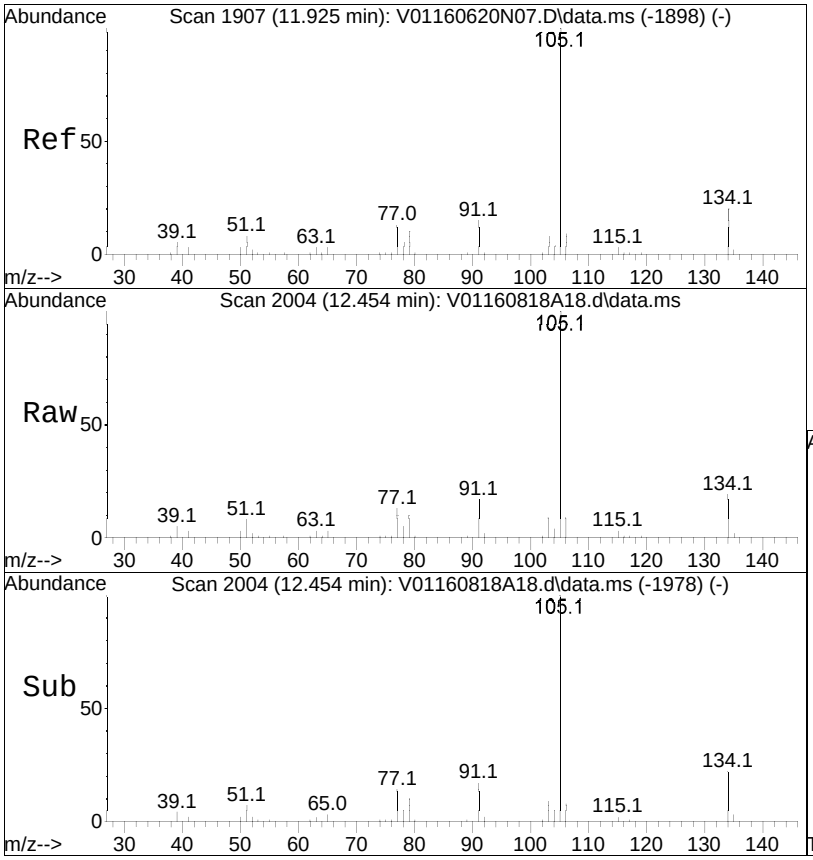


#97
1,2,4-Trimethylbenzene
Concen: 10.63 ug/L
RT: 12.334 min Scan# 1982
Delta R.T. -0.006 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:105 Resp: 316743

Ion	Ratio	Lower	Upper
105	100		
120	43.9	36.5	54.7

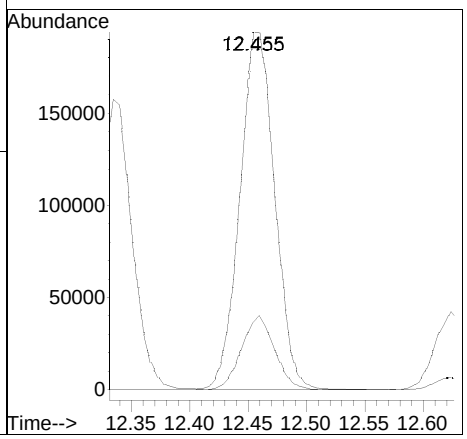


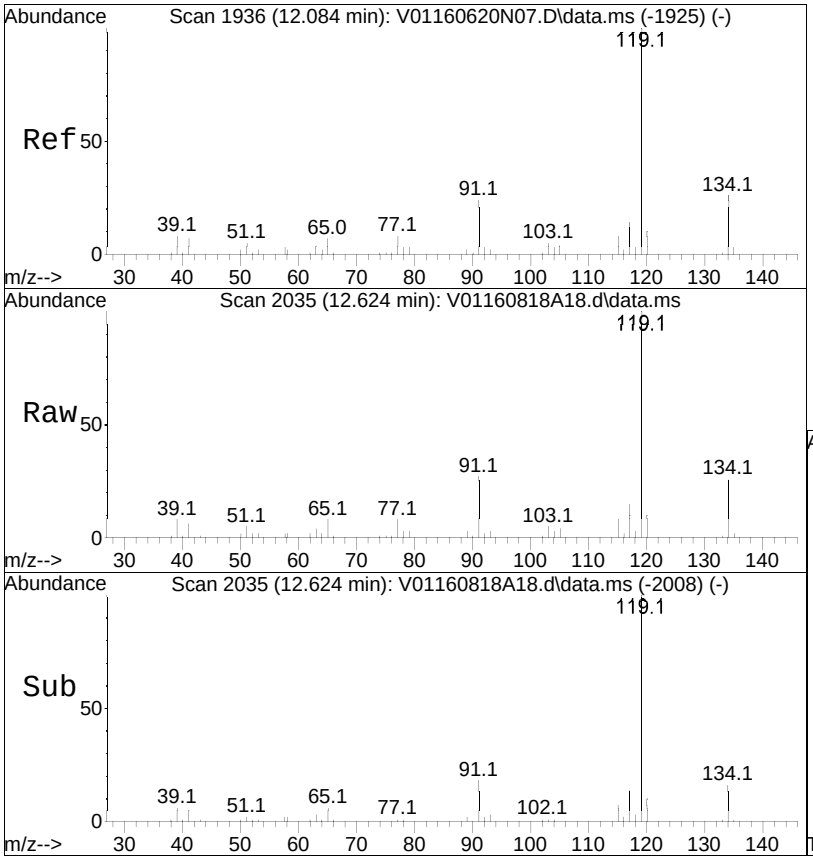


#98
sec-Butylbenzene
Concen: 10.59 ug/L
RT: 12.454 min Scan# 2004
Delta R.T. -0.006 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:105 Resp: 400438

Ion	Ratio	Lower	Upper
105	100		
134	19.7	12.9	26.9

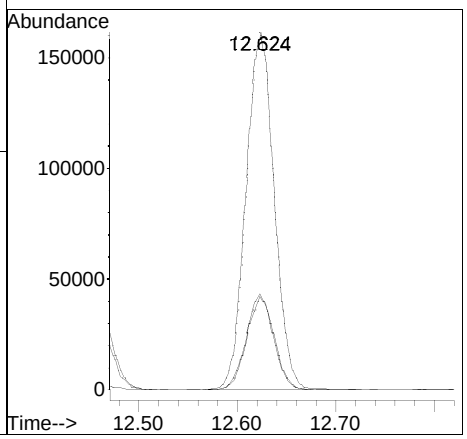


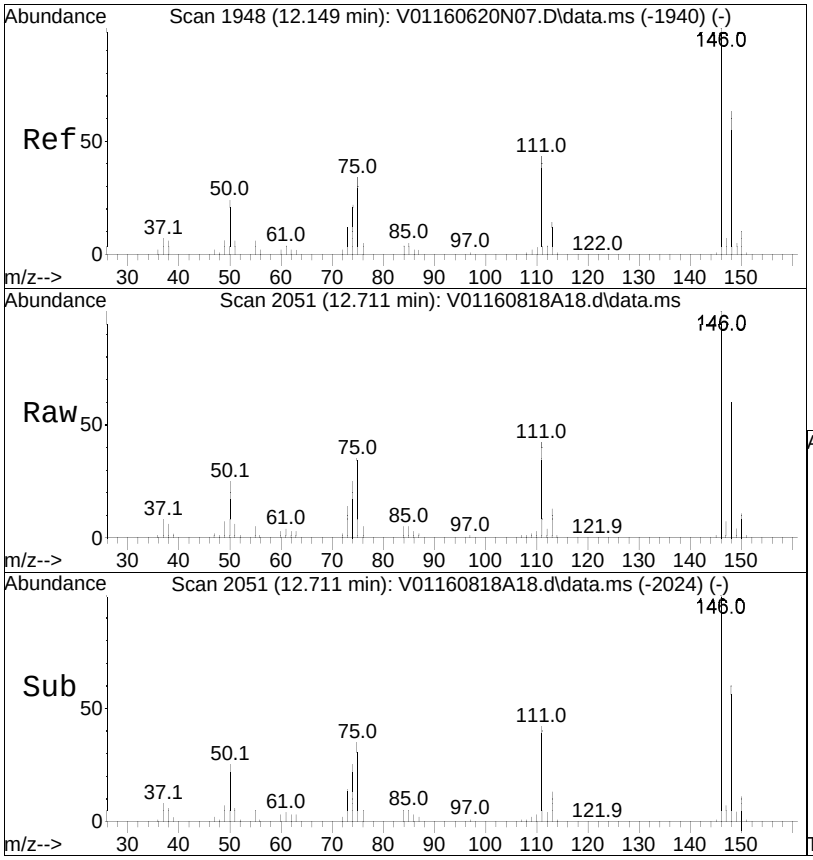


#99
p-Isopropyltoluene
Concen: 10.42 ug/L
RT: 12.624 min Scan# 2035
Delta R.T. -0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:119 Resp: 317948

Ion	Ratio	Lower	Upper
119	100		
134	25.7	16.6	34.6
91	26.2	15.1	31.5

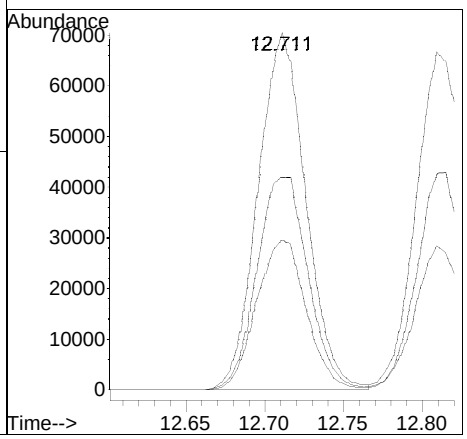


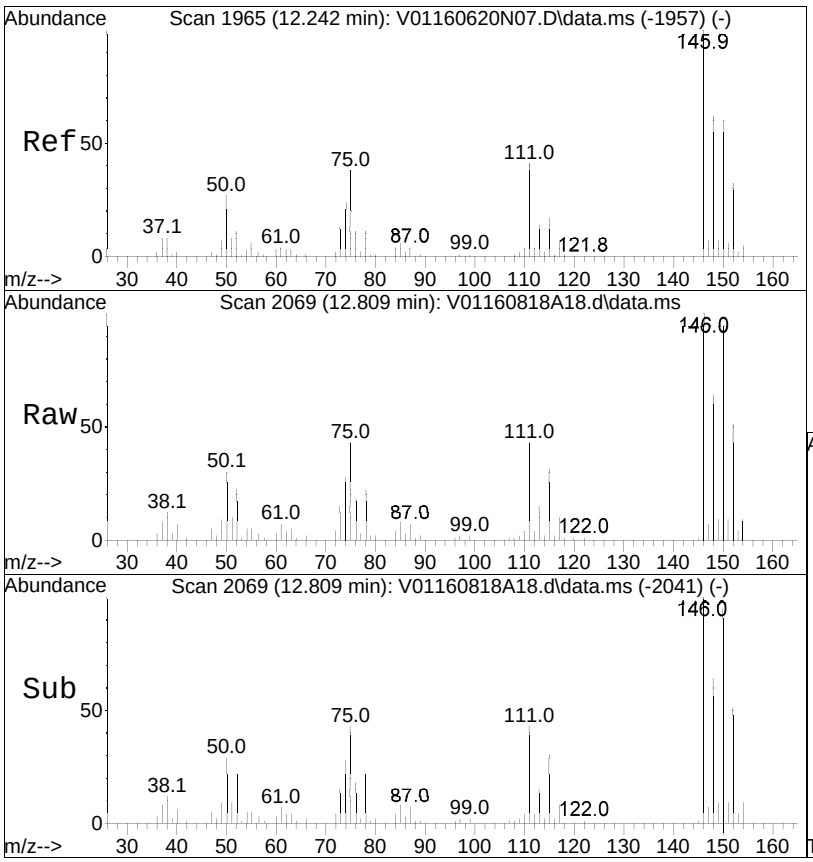


#100
1,3-Dichlorobenzene
Concen: 10.22 ug/L
RT: 12.711 min Scan# 2051
Delta R.T. -0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:146 Resp: 148412

Ion	Ratio	Lower	Upper
146	100		
111	43.5	28.0	58.1
148	63.6	41.2	85.6

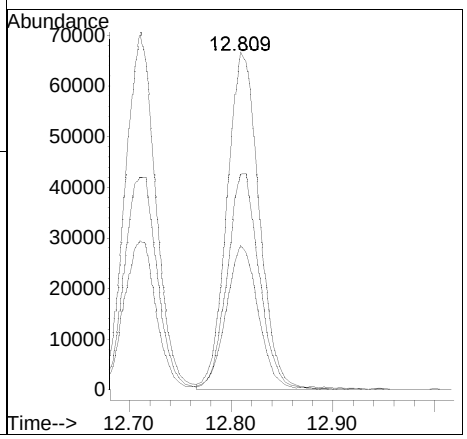


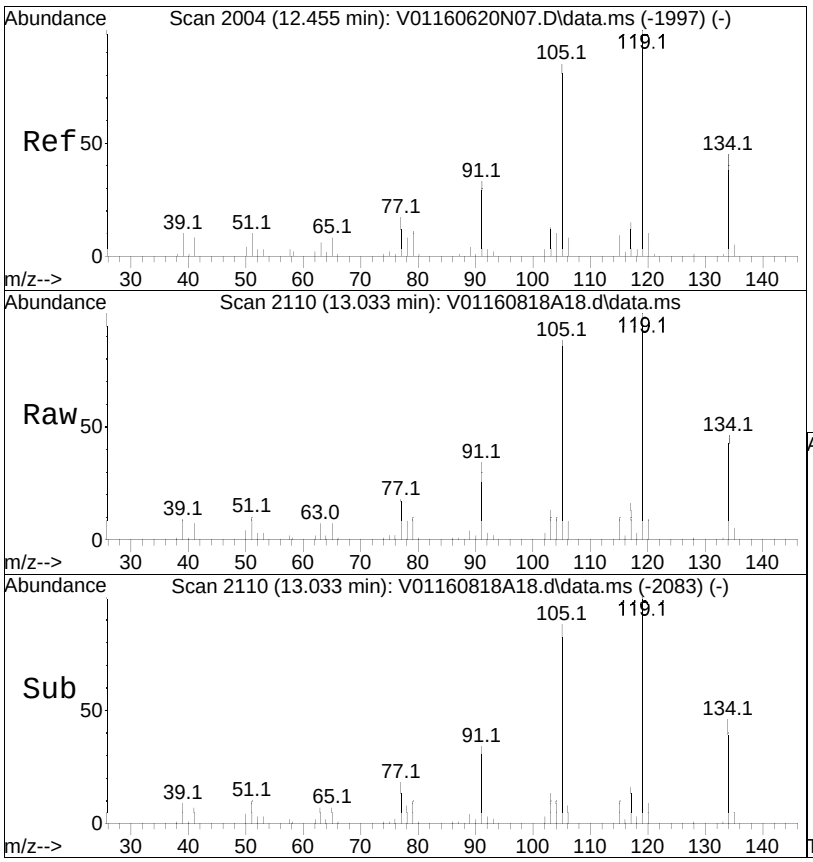


#101
1,4-Dichlorobenzene
Concen: 10.25 ug/L
RT: 12.809 min Scan# 2069
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:146 Resp: 147441

Ion	Ratio	Lower	Upper
146	100		
111	42.7	34.1	51.1
148	63.5	50.8	76.2

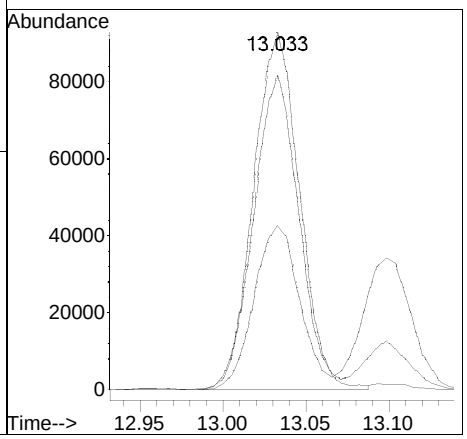


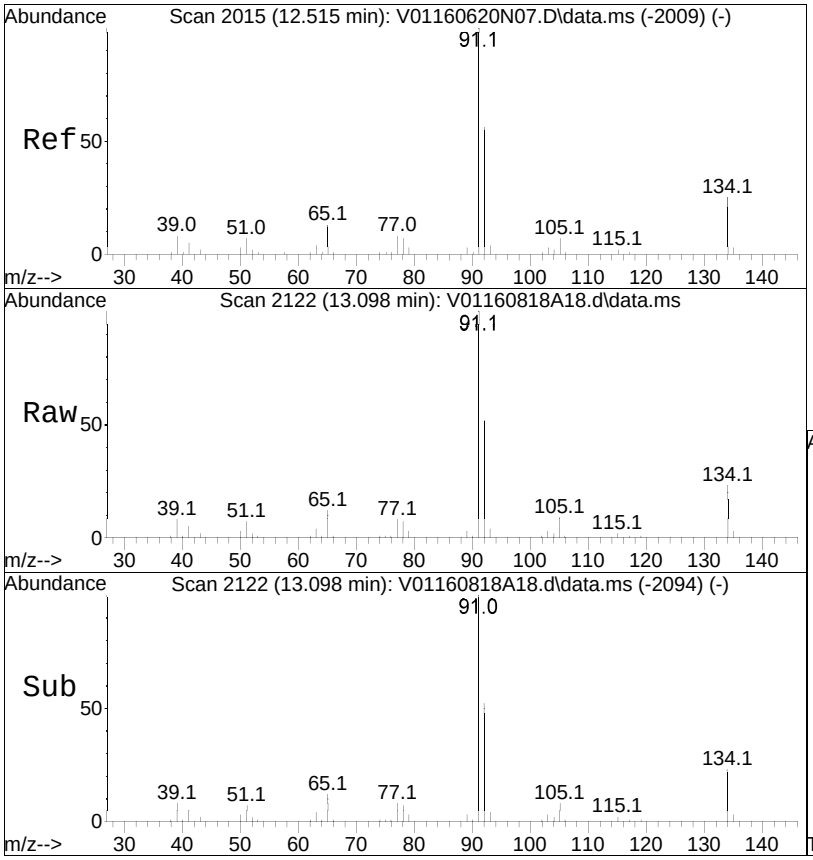


#102
p-Diethylbenzene
Concen: 10.36 ug/L
RT: 13.033 min Scan# 2110
Delta R.T. -0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:119 Resp: 178387

Ion	Ratio	Lower	Upper
119	100		
105	86.4	55.0	114.2
134	45.9	29.2	60.6

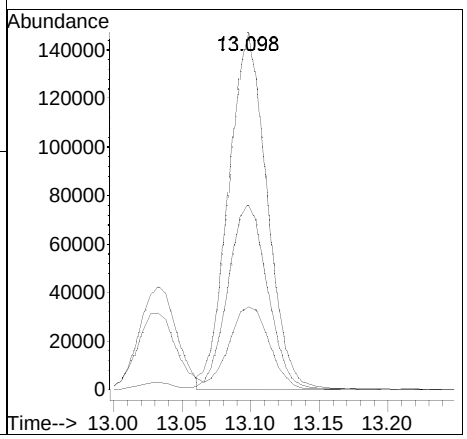


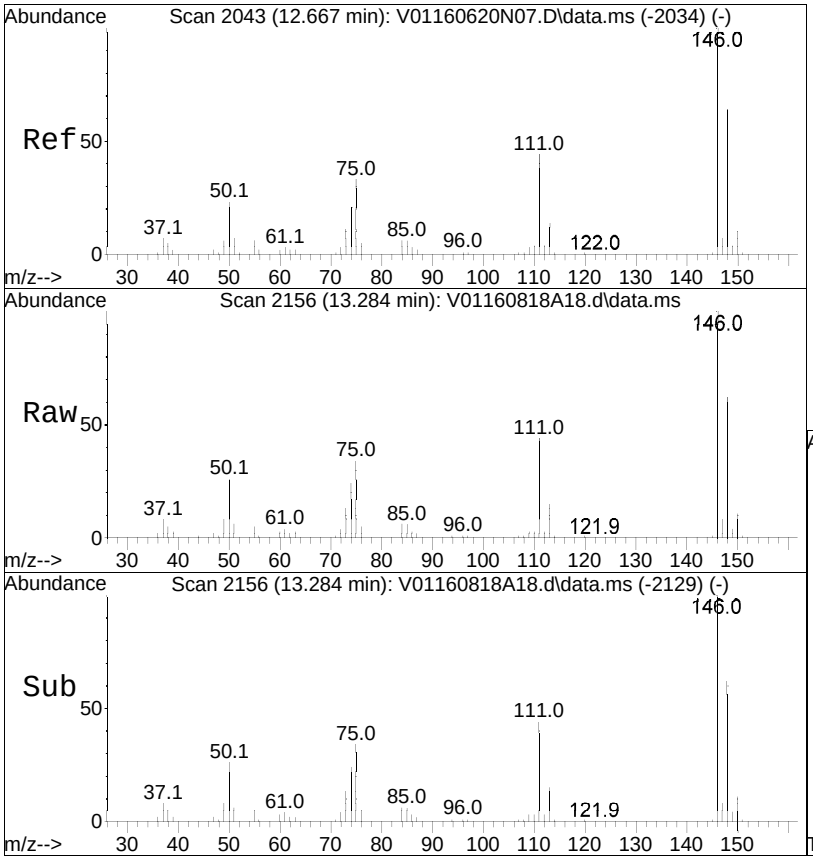


#103
n-Butylbenzene
Concen: 10.44 ug/L
RT: 13.098 min Scan# 2122
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion: 91 Resp: 284112

Ion	Ratio	Lower	Upper
91	100		
92	53.7	44.4	66.6
134	24.8	21.2	31.8

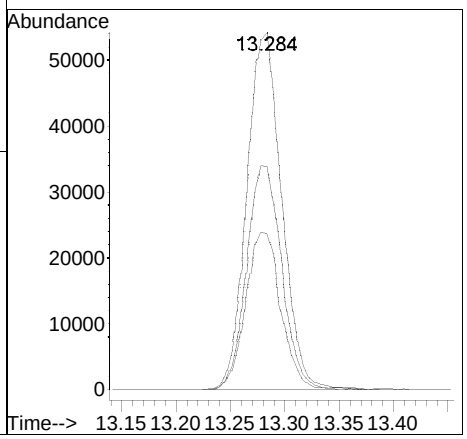


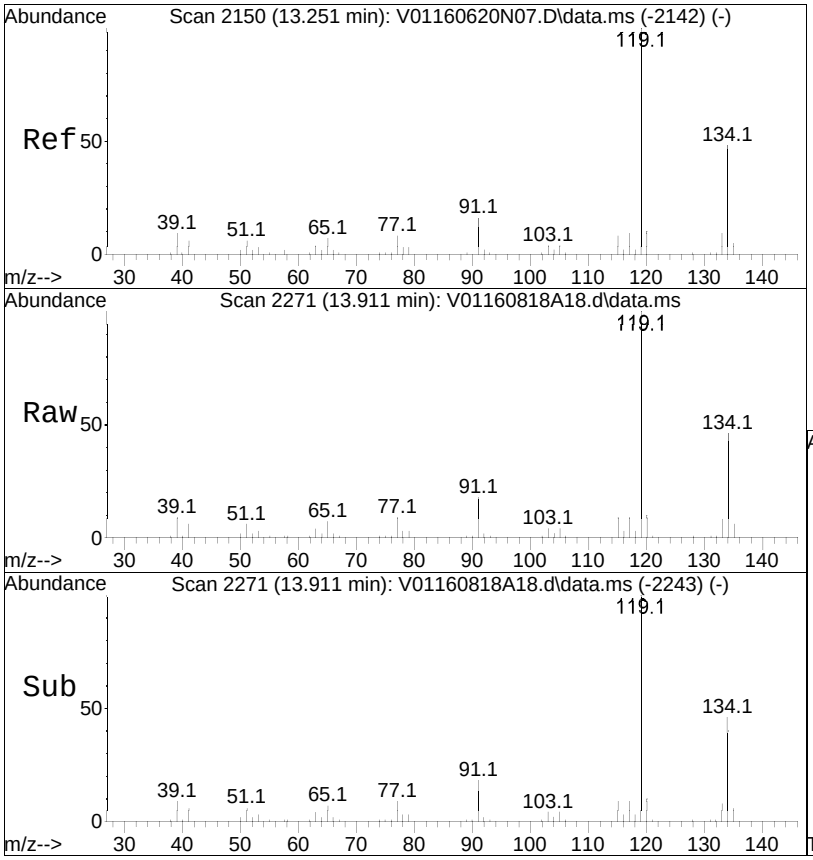


#104
1,2-Dichlorobenzene
Concen: 10.22 ug/L
RT: 13.284 min Scan# 2156
Delta R.T. -0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:146 Resp: 119969

Ion	Ratio	Lower	Upper
146	100		
111	44.4	28.7	59.5
148	62.8	41.1	85.5

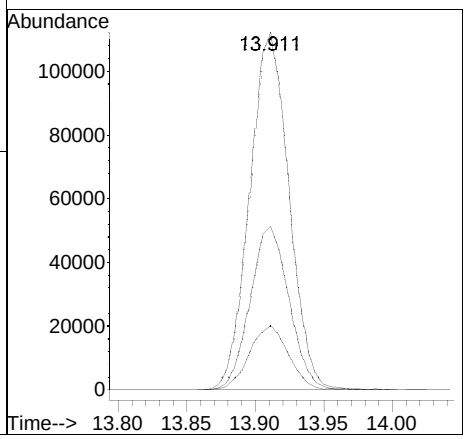


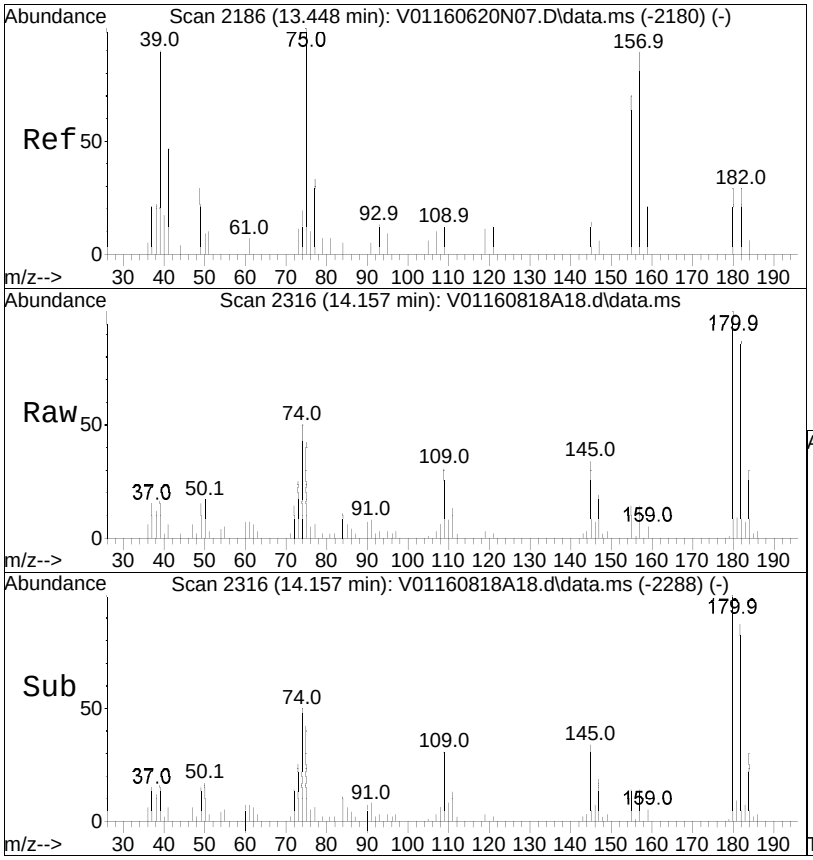


#105
1,2,4,5-Tetramethylbenzene
Concen: 10.34 ug/L
RT: 13.911 min Scan# 2271
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:119 Resp: 221212

Ion	Ratio	Lower	Upper
119	100		
134	45.6	29.9	62.1
91	18.1	10.4	21.6

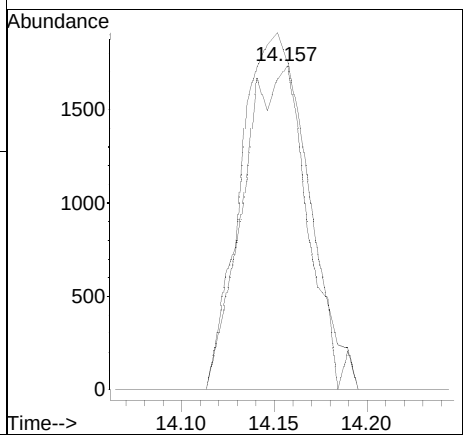


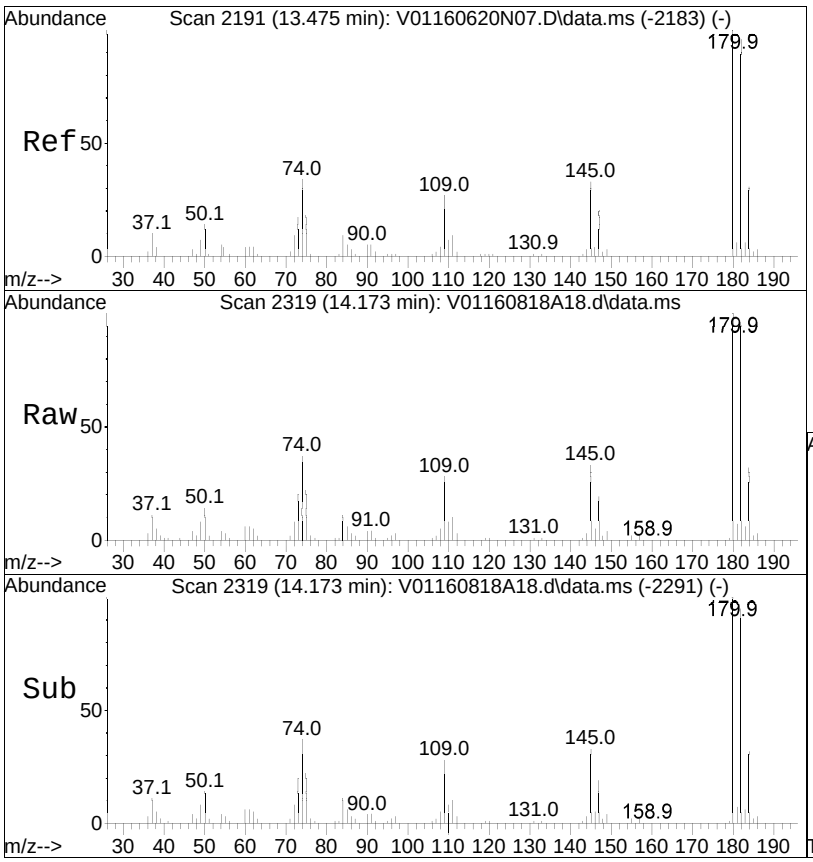


#106
1,2-Dibromo-3-chloropropane
Concen: 10.16 ug/L
RT: 14.157 min Scan# 2316
Delta R.T. 0.005 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:155 Resp: 4159

Ion	Ratio	Lower	Upper
155	100		
157	116.1	101.8	152.6

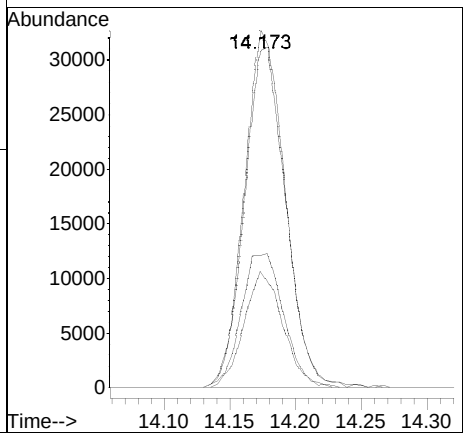


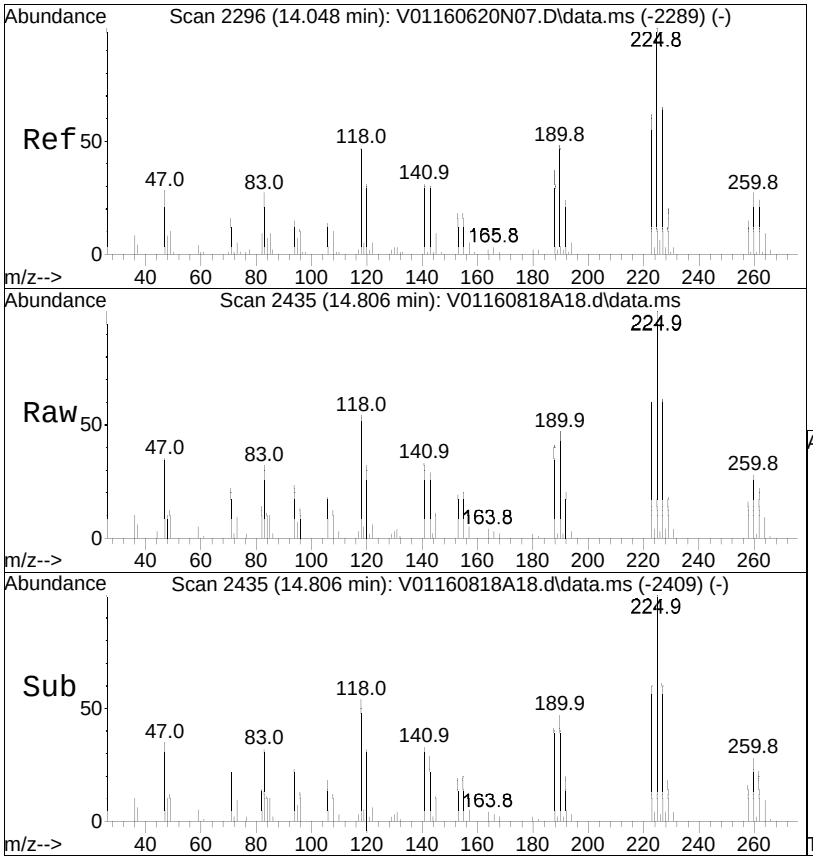


#107
1,3,5-Trichlorobenzene
Concen: 10.35 ug/L
RT: 14.173 min Scan# 2319
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:180 Resp: 70156

Ion	Ratio	Lower	Upper
180	100		
182	96.0	61.7	128.1
145	31.2	20.2	41.9
74	39.3	21.3	44.1

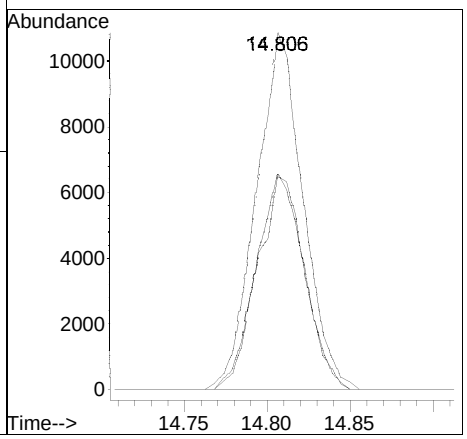


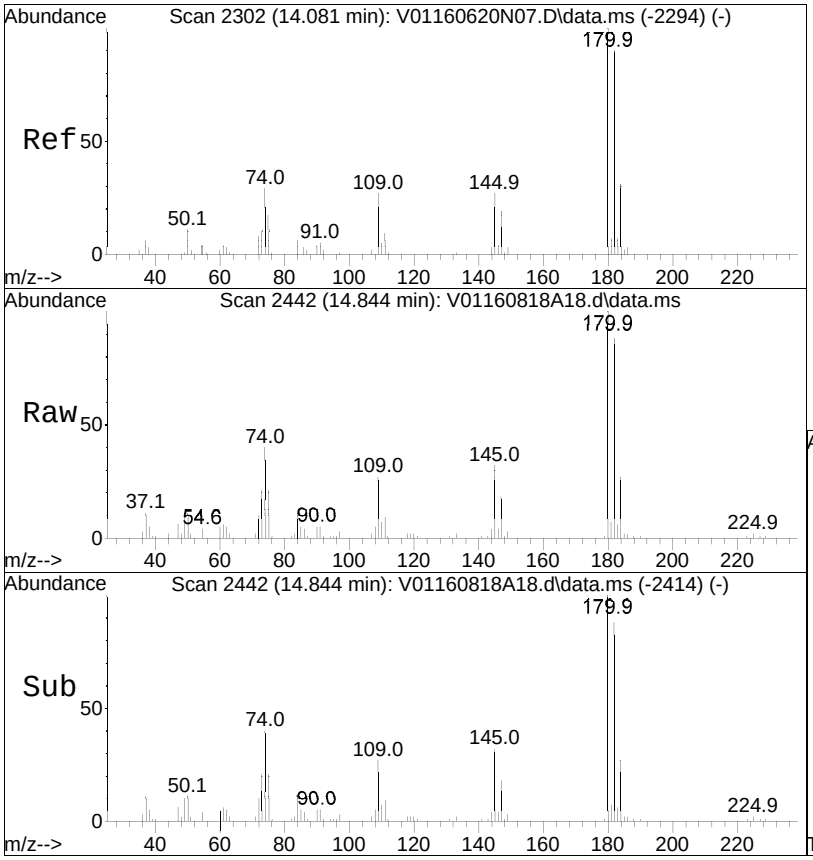


#108
Hexachlorobutadiene
Concen: 9.74 ug/L
RT: 14.806 min Scan# 2435
Delta R.T. -0.006 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:225 Resp: 21153

Ion	Ratio	Lower	Upper
225	100		
223	60.7	51.0	76.4
227	62.4	51.8	77.8

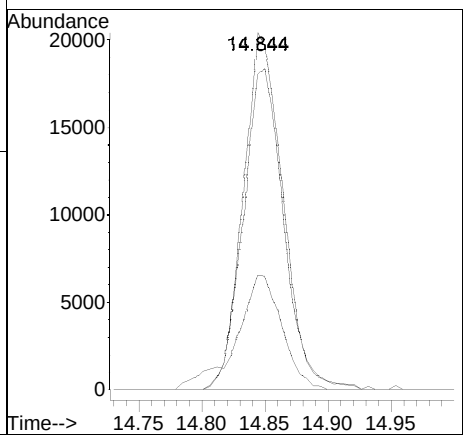


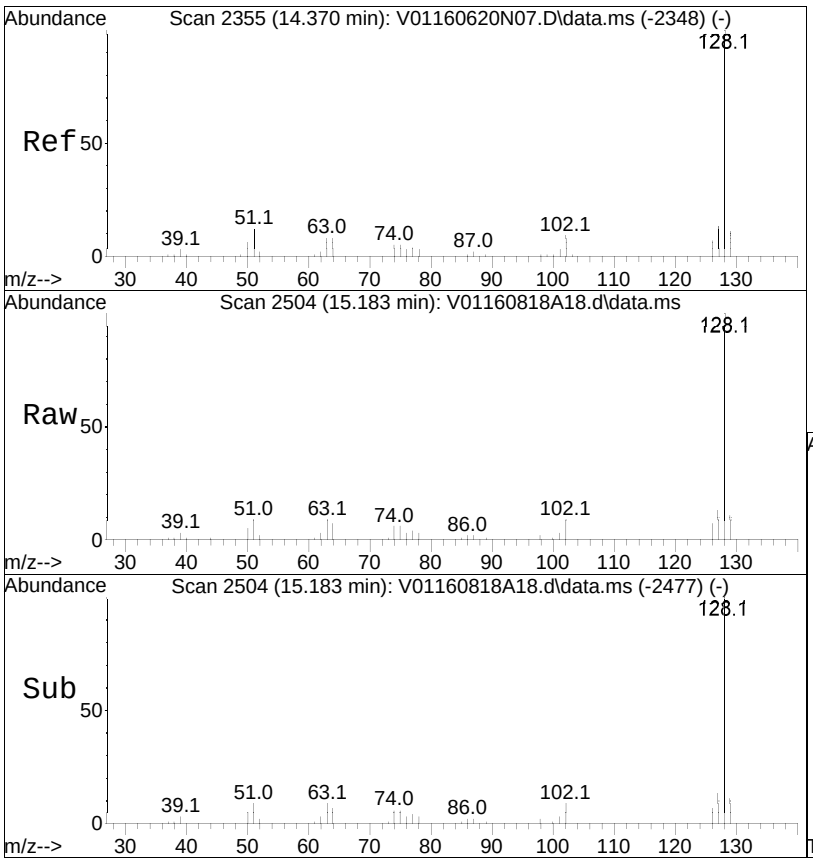


#109
1,2,4-Trichlorobenzene
Concen: 10.56 ug/L
RT: 14.844 min Scan# 2442
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:180 Resp: 44333

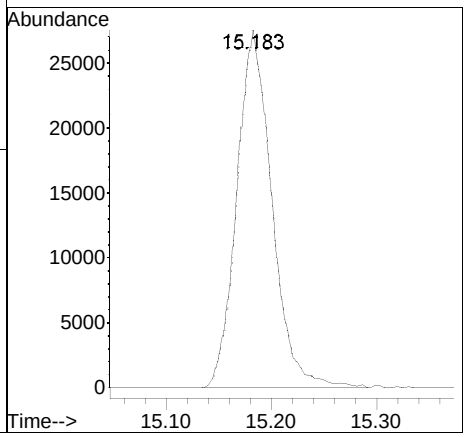
Ion	Ratio	Lower	Upper
180	100		
182	91.8	76.1	114.1
145	37.0	29.0	43.6

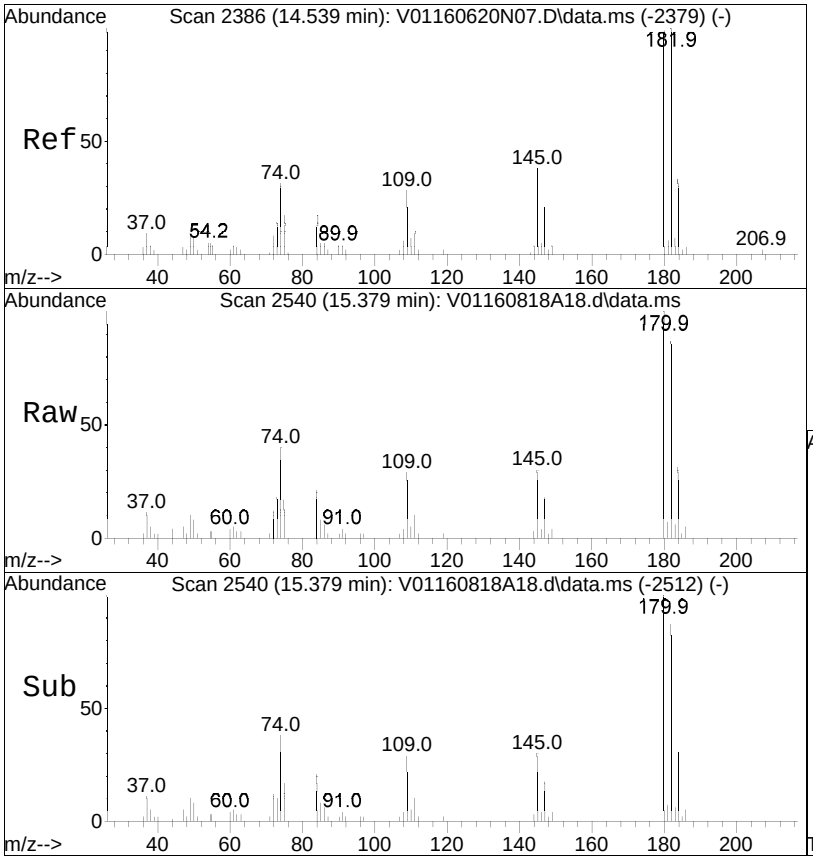




#110
Naphthalene
Concen: 10.05 ug/L
RT: 15.183 min Scan# 2504
Delta R.T. -0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:128 Resp: 63334

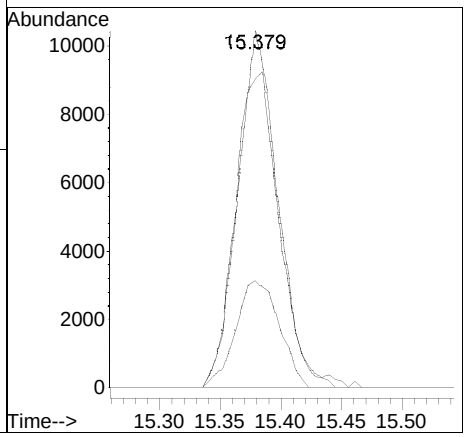




#111
1,2,3-Trichlorobenzene
Concen: 10.21 ug/L
RT: 15.379 min Scan# 2540
Delta R.T. 0.000 min
Lab File: V01160818A18.d
Acq: 18 Aug 2016 16:10

Tgt Ion:180 Resp: 24285

Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.6	115.0
145	32.4	27.4	41.0



Manual Integration Report

Data Path	: I:\VOLATILES\VOA101\2016\1	QMethod	: V101_160809_8260.m
Data File	: V01160818A18.d	Operator	: VOA101:PK
Date Inj'd	: 8/18/2016 16:10	Instrument	: VOA 101
Sample	: WG923932-6,31,10,10,,a1	Quant Date	: 8/18/2016 8:47 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A19.d
Acq On : 18 Aug 2016 16:39
Operator : VOA101:PK
Sample : WG923932-7,31,10,10,,a2
Misc : WG923932,ICAL12752
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 18 20:49:39 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.076	96	428812	10.000	ug/L	0.00
Standard Area 1 = 614919			Recovery = 69.73%			
59) Chlorobenzene-d5	9.907	117	297750	10.000	ug/L	0.00
Standard Area 1 = 416180			Recovery = 71.54%			
79) 1,4-Dichlorobenzene-d4	12.793	152	130179	10.000	ug/L	0.00
Standard Area 1 = 172755			Recovery = 75.35%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.214	113	106931	9.742	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.42%			
43) 1,2-Dichloroethane-d4	5.776	65	119020	9.431	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.31%			
60) Toluene-d8	7.899	98	407849	10.160	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.60%			
83) 4-Bromofluorobenzene	11.484	95	140218	10.813	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.13%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.591	85	82102	8.850	ug/L	98
3) Chloromethane	1.771	50	124747	10.020	ug/L	98
4) Vinyl chloride	1.848	62	147442	11.546	ug/L	96
5) Bromomethane	2.153	94	68722	9.175	ug/L	100
6) Chloroethane	2.262	64	97786	11.520	ug/L	100
7) Trichlorofluoromethane	2.404	101	164296	11.125	ug/L	98
8) Ethyl ether	2.699	74	38637	9.717	ug/L	96
10) 1,1-Dichloroethene	2.895	96	91809	10.765	ug/L	90
11) Carbon disulfide	2.922	76	299917	9.999	ug/L	100
12) Freon-113	2.933	101	83409	10.457	ug/L #	60
13) Iodomethane	3.032	142	69443	8.102	ug/L	95
14) Acrolein	3.223	56	6852	10.075	ug/L	93
15) Methylene chloride	3.452	84	92572	10.121	ug/L	98
17) Acetone	3.501	43	12447	10.880	ug/L #	88
18) trans-1,2-Dichloroethene	3.610	96	100701	10.918	ug/L	97
19) Methyl acetate	3.615	43	27988	9.166	ug/L #	87
20) Methyl tert-butyl ether	3.703	73	177565	9.759	ug/L	96
21) tert-Butyl alcohol	3.796	59	15313	75.109	ug/L #	91
22) Diisopropyl ether	4.074	45	354679	10.753	ug/L	99
23) 1,1-Dichloroethane	4.210	63	194943	11.081	ug/L	100
24) Halothane	4.259	117	65083	10.743	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A19.d
Acq On : 18 Aug 2016 16:39
Operator : VOA101:PK
Sample : WG923932-7,31,10,10,,a2
Misc : WG923932,ICAL12752
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 18 20:49:39 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.270	53	15978	10.032	ug/L		95
26) Ethyl tert-butyl ether	4.434	59	259011	9.910	ug/L		97
27) Vinyl acetate	4.456	43	158157	9.930	ug/L		99
28) cis-1,2-Dichloroethene	4.750	96	104061	10.677	ug/L		96
29) 2,2-Dichloropropane	4.859	77	159403	11.553	ug/L		96
30) Bromochloromethane	4.958	128	36924	10.512	ug/L		93
31) Cyclohexane	4.958	56	195678	10.805	ug/L		97
32) Chloroform	5.029	83	178916	10.850	ug/L		98
33) Ethyl acetate	5.149	43	45123	9.569	ug/L		97
34) Carbon tetrachloride	5.170	117	143091	10.907	ug/L		99
35) Tetrahydrofuran	5.187	42	16671	10.155	ug/L		94
37) 1,1,1-Trichloroethane	5.241	97	173148	11.115	ug/L		98
39) 2-Butanone	5.345	43	16795	10.139	ug/L	#	70
40) 1,1-Dichloropropene	5.372	75	141472	11.293	ug/L		97
41) Benzene	5.629	78	397734	10.750	ug/L		99
42) tert-Amyl methyl ether	5.743	73	188425	9.609	ug/L		95
44) 1,2-Dichloroethane	5.847	62	115669	10.517	ug/L		99
47) Methyl cyclohexane	6.251	83	150165	9.971	ug/L		100
48) Trichloroethene	6.267	95	104263	10.572	ug/L		93
50) Dibromomethane	6.742	93	39942	10.036	ug/L		94
51) 1,2-Dichloropropane	6.857	63	95138	10.845	ug/L		96
53) 2-Chloroethyl vinyl ether	0.000		0	N.D.	d		
54) Bromodichloromethane	6.933	83	114796	10.251	ug/L		99
57) 1,4-Dioxane	7.157	88	12107	426.663	ug/L		93
58) cis-1,3-Dichloropropene	7.680	75	129050	10.166	ug/L		98
61) Toluene	7.964	92	247112	10.833	ug/L		97
62) 4-Methyl-2-pentanone	8.439	58	14177	9.388	ug/L		90
63) Tetrachloroethene	8.444	166	90213	10.451	ug/L		95
65) trans-1,3-Dichloropropene	8.493	75	99910	9.964	ug/L		97
67) Ethyl methacrylate	8.695	69	65623	9.978	ug/L		92
68) 1,1,2-Trichloroethane	8.690	83	45006	10.138	ug/L		95
69) Chlorodibromomethane	8.924	129	59633	9.576	ug/L		96
70) 1,3-Dichloropropane	9.045	76	94764	10.179	ug/L		100
71) 1,2-Dibromoethane	9.230	107	46937	9.935	ug/L		97
72) 2-Hexanone	9.541	43	22056	9.368	ug/L		93
73) Chlorobenzene	9.928	112	239860	10.264	ug/L		95
74) Ethylbenzene	9.972	91	471232	10.387	ug/L		96
75) 1,1,1,2-Tetrachloroethane	10.021	131	77848	9.999	ug/L		98
76) p/m Xylene	10.169	106	335581	19.937	ug/L		91
77) o Xylene	10.731	106	317348	19.889	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A19.d
Acq On : 18 Aug 2016 16:39
Operator : VOA101:PK
Sample : WG923932-7,31,10,10,,a2
Misc : WG923932,ICAL12752
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 18 20:49:39 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2016\160818A\V01160818A02.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.801	104	509913	19.258	ug/L		95
80) Bromoform	10.834	173	28500	9.373	ug/L		98
82) Isopropylbenzene	11.129	105	431719	10.903	ug/L		99
84) Bromobenzene	11.604	156	80472	10.519	ug/L		99
85) n-Propylbenzene	11.642	91	525023	10.837	ug/L		96
86) 1,4-Dichlorobutane	11.669	55	98198	10.642	ug/L		97
87) 1,1,2,2-Tetrachloroethane	11.740	83	48045	10.471	ug/L		99
88) 4-Ethyltoluene	11.778	105	410982	10.666	ug/L		100
89) 2-Chlorotoluene	11.827	91	246251	8.611	ug/L		95
90) 1,3,5-Trimethylbenzene	11.882	105	333771	10.516	ug/L	#	68
91) 1,2,3-Trichloropropane	11.893	75	39537	9.518	ug/L		99
92) trans-1,4-Dichloro-2-b...	11.953	53	14094	9.420	ug/L	#	86
93) 4-Chlorotoluene	12.029	91	295794	10.701	ug/L	#	100
94) tert-Butylbenzene	12.253	119	276953	10.598	ug/L		96
97) 1,2,4-Trimethylbenzene	12.335	105	322616	10.569	ug/L		98
98) sec-Butylbenzene	12.460	105	409140	10.568	ug/L		99
99) p-Isopropyltoluene	12.624	119	324273	10.380	ug/L		97
100) 1,3-Dichlorobenzene	12.711	146	152239	10.240	ug/L		99
101) 1,4-Dichlorobenzene	12.809	146	150092	10.187	ug/L		99
102) p-Diethylbenzene	13.033	119	182522	10.356	ug/L		99
103) n-Butylbenzene	13.099	91	294889	10.579	ug/L		97
104) 1,2-Dichlorobenzene	13.279	146	121470	10.110	ug/L		100
105) 1,2,4,5-Tetramethylben...	13.912	119	231989	10.593	ug/L		99
106) 1,2-Dibromo-3-chloropr...	14.146	155	4018	9.604	ug/L		100
107) 1,3,5-Trichlorobenzene	14.179	180	73583	10.597	ug/L		96
108) Hexachlorobutadiene	14.806	225	24274	10.920	ug/L		98
109) 1,2,4-Trichlorobenzene	14.850	180	47031	10.940	ug/L		99
110) Naphthalene	15.183	128	69919	10.835	ug/L		100
111) 1,2,3-Trichlorobenzene	15.379	180	28087	11.532	ug/L		94

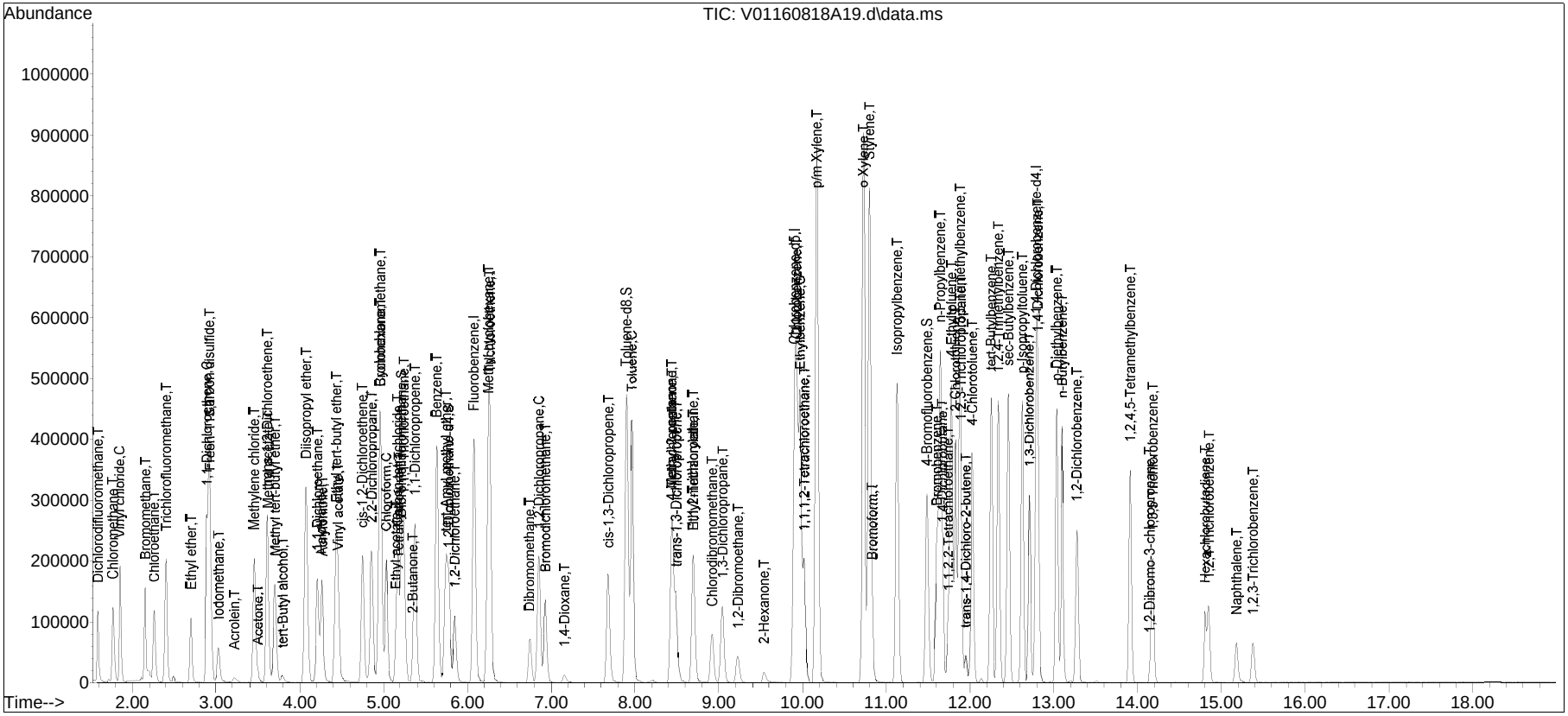
(#) = qualifier out of range (m) = manual integration (+) = signals summed

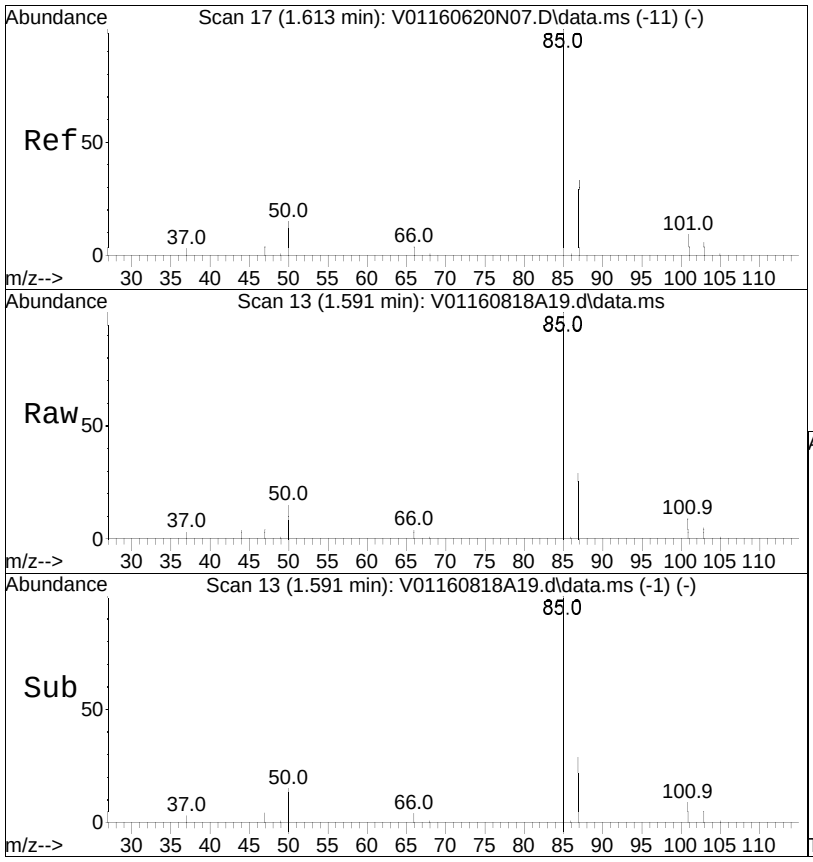
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2016\160818A\
Data File : V01160818A19.d
Acq On : 18 Aug 2016 16:39
Operator : VOA101:PK
Sample : WG923932-7,31,10,10,,a2
Misc : WG923932,ICAL12752
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 18 20:49:39 2016
Quant Method : I:\VOLATILES\VOA101\2016\160818A\V101_160809_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 11 13:30:16 2016
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox60818A\V01160818A02.d•

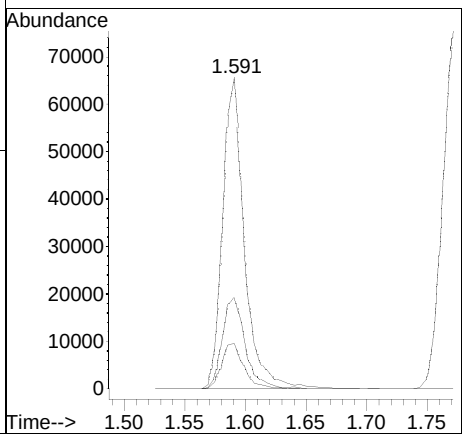


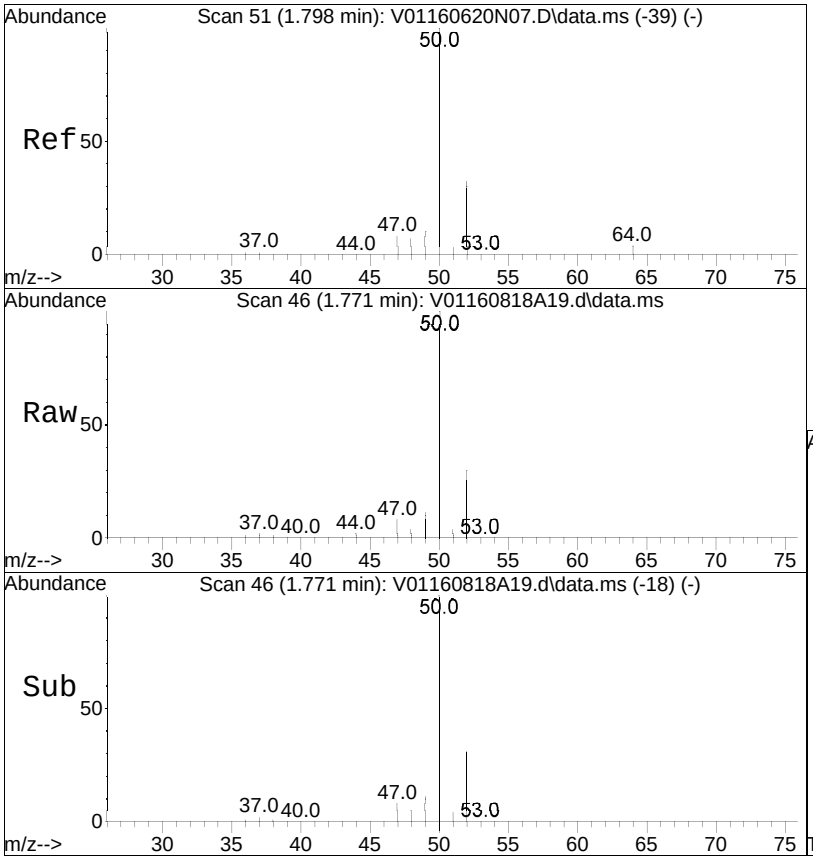


#2
Dichlorodifluoromethane
Concen: 8.85 ug/L
RT: 1.591 min Scan# 13
Delta R.T. 0.006 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 85 Resp: 82102

Ion	Ratio	Lower	Upper
85	100		
87	31.0	20.8	43.2
50	15.0	9.0	18.8

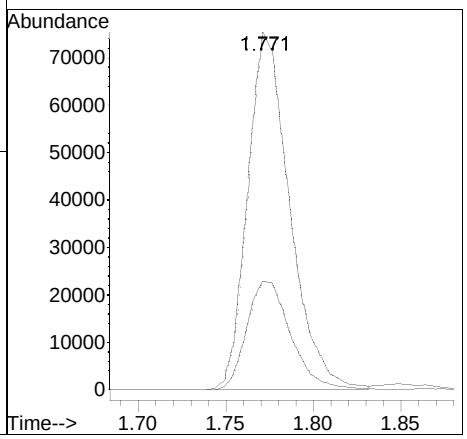


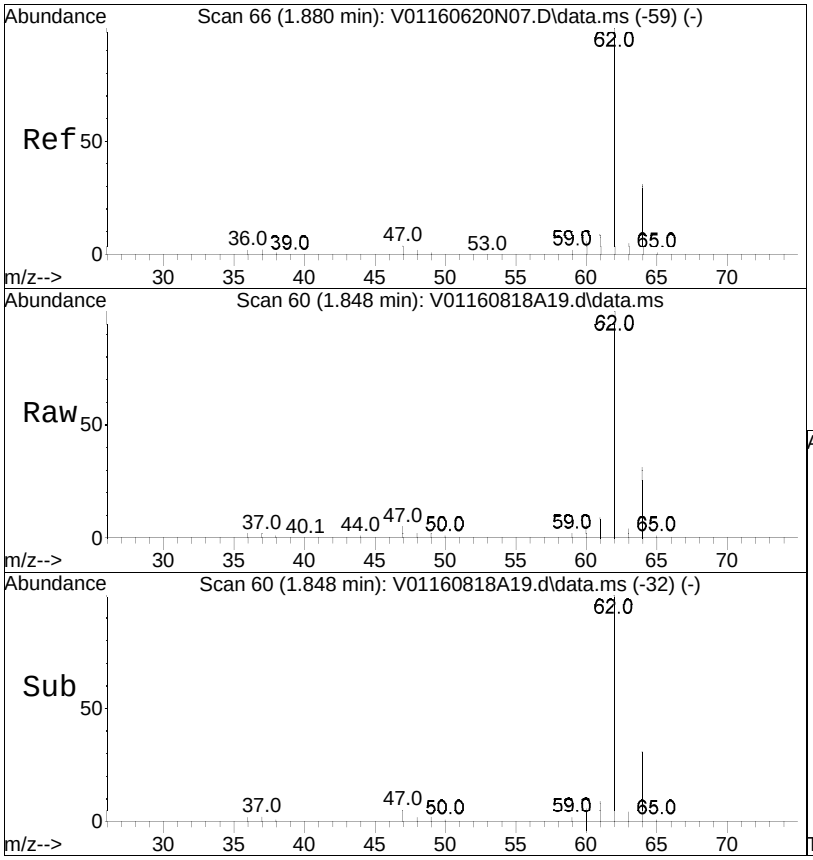


#3
Chloromethane
Concen: 10.02 ug/L
RT: 1.771 min Scan# 46
Delta R.T. 0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 50 Resp: 124747

Ion	Ratio	Lower	Upper
50	100		
52	32.0	11.1	51.1

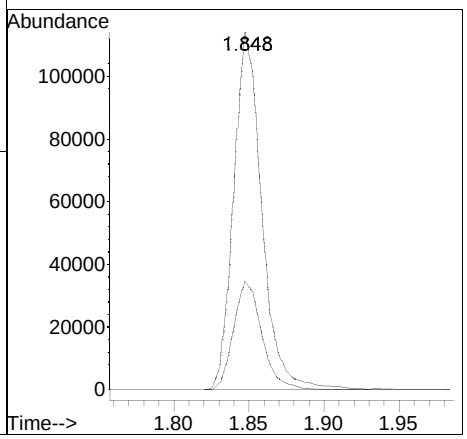


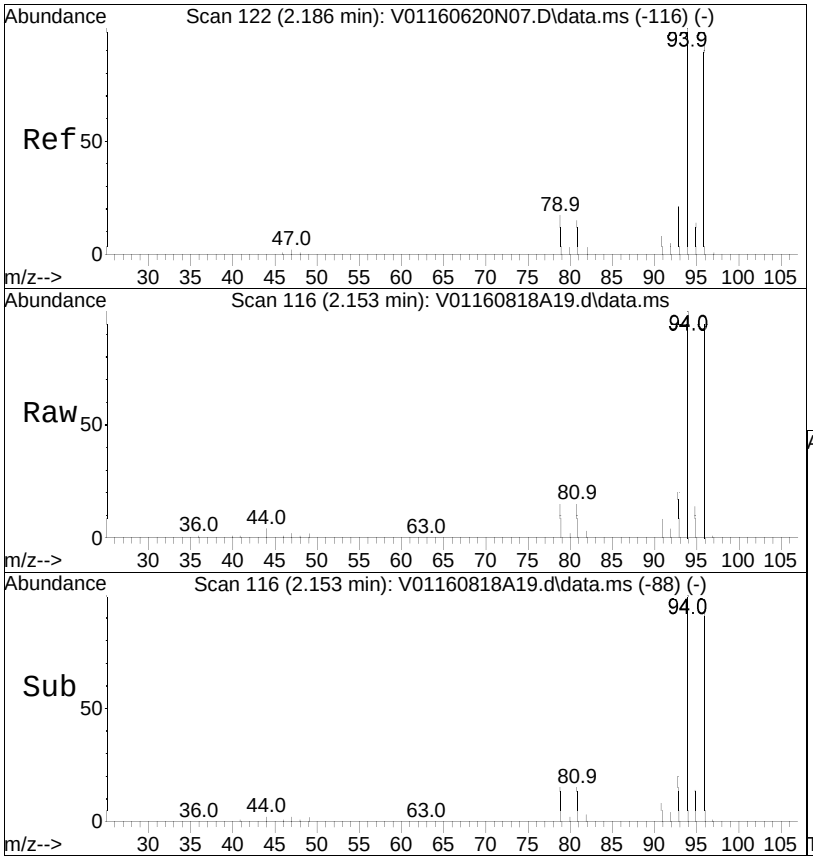


#4
Vinyl chloride
Concen: 11.55 ug/L
RT: 1.848 min Scan# 60
Delta R.T. 0.001 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 62 Resp: 147442

Ion	Ratio	Lower	Upper
62	100		
64	30.7	13.0	53.0

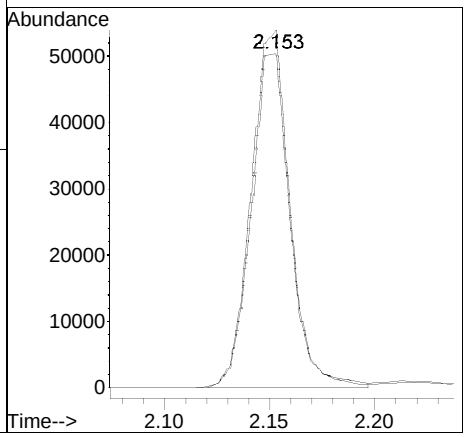


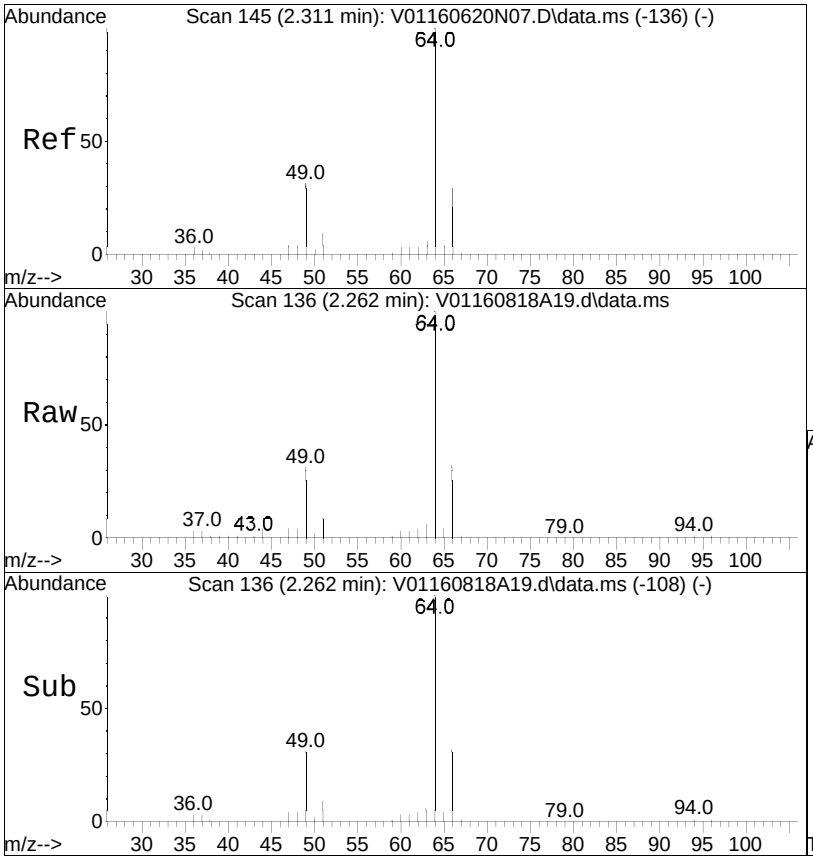


#5
Bromomethane
Concen: 9.17 ug/L
RT: 2.153 min Scan# 116
Delta R.T. 0.005 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 94 Resp: 68722

Ion	Ratio	Lower	Upper
94	100		
96	92.8	73.1	113.1

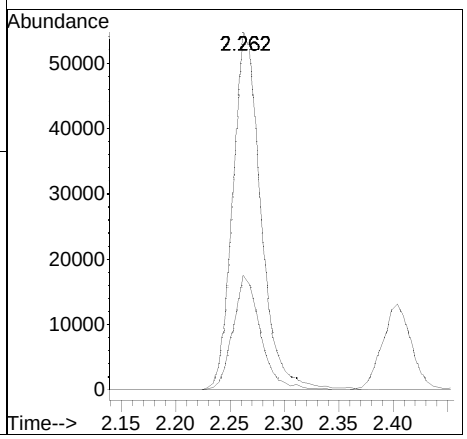


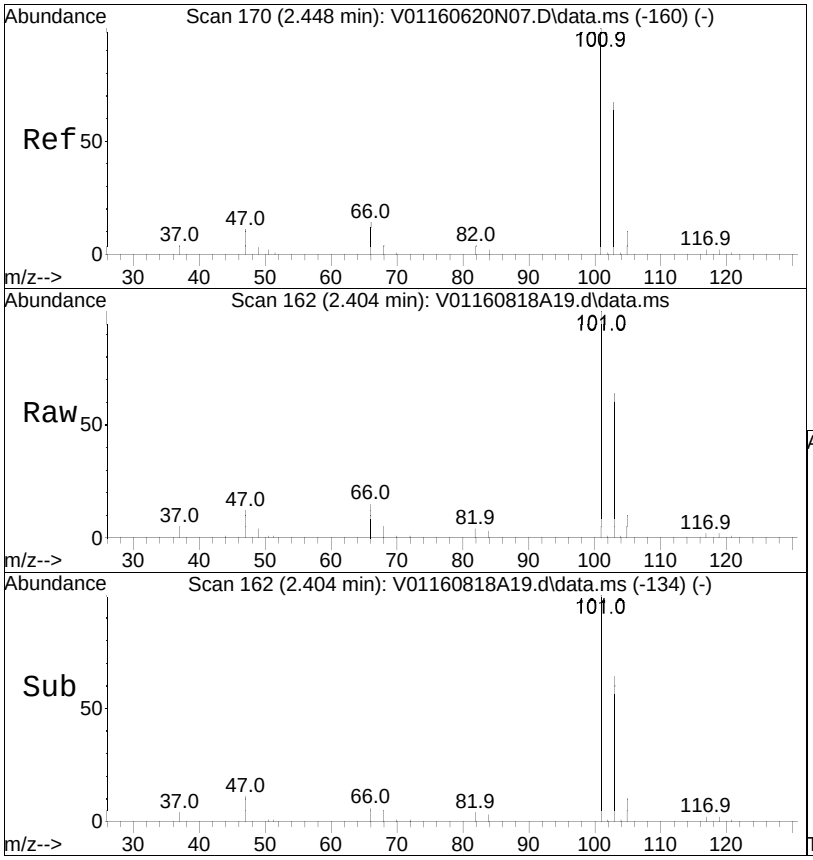


#6
Chloroethane
Concen: 11.52 ug/L
RT: 2.262 min Scan# 136
Delta R.T. 0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 64 Resp: 97786

Ion	Ratio	Lower	Upper
64	100		
66	31.5	11.4	51.4

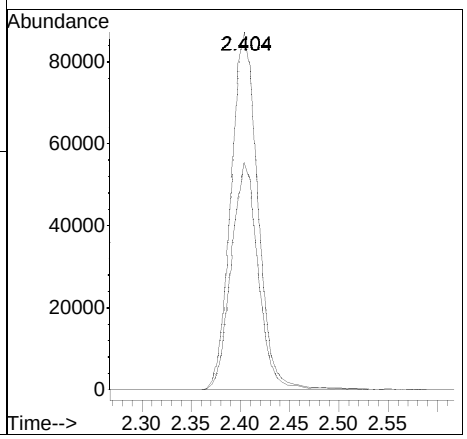


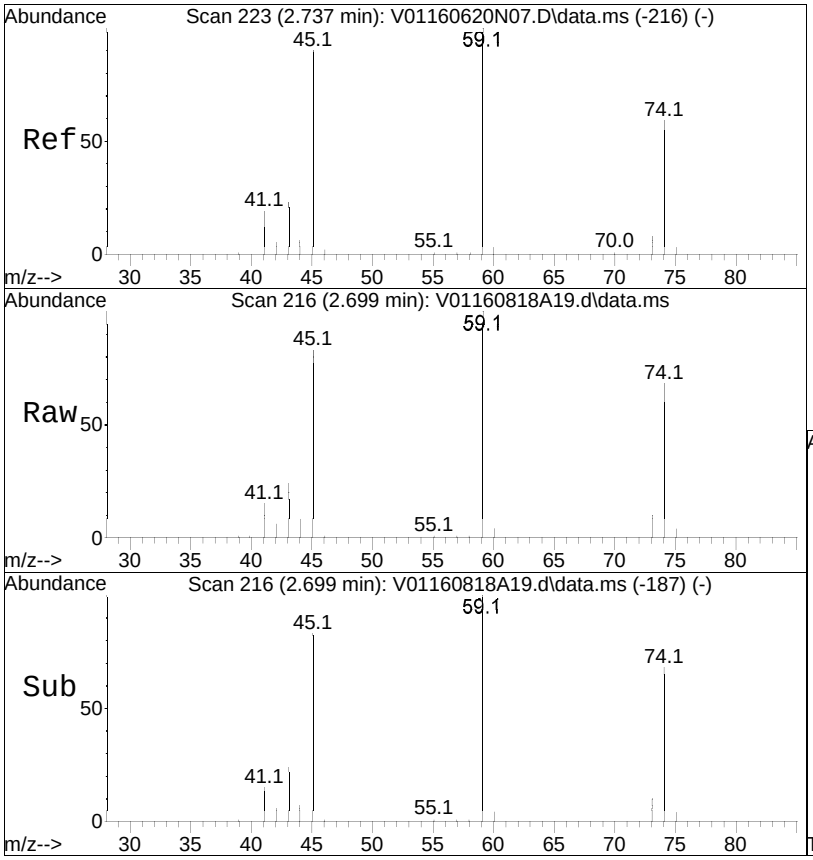


#7
Trichlorofluoromethane
Concen: 11.13 ug/L
RT: 2.404 min Scan# 162
Delta R.T. 0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:101 Resp: 164296

Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.8	77.6

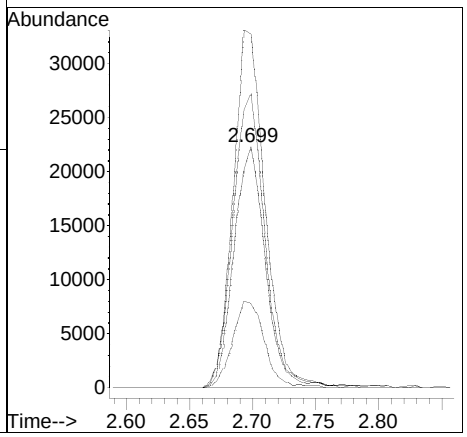


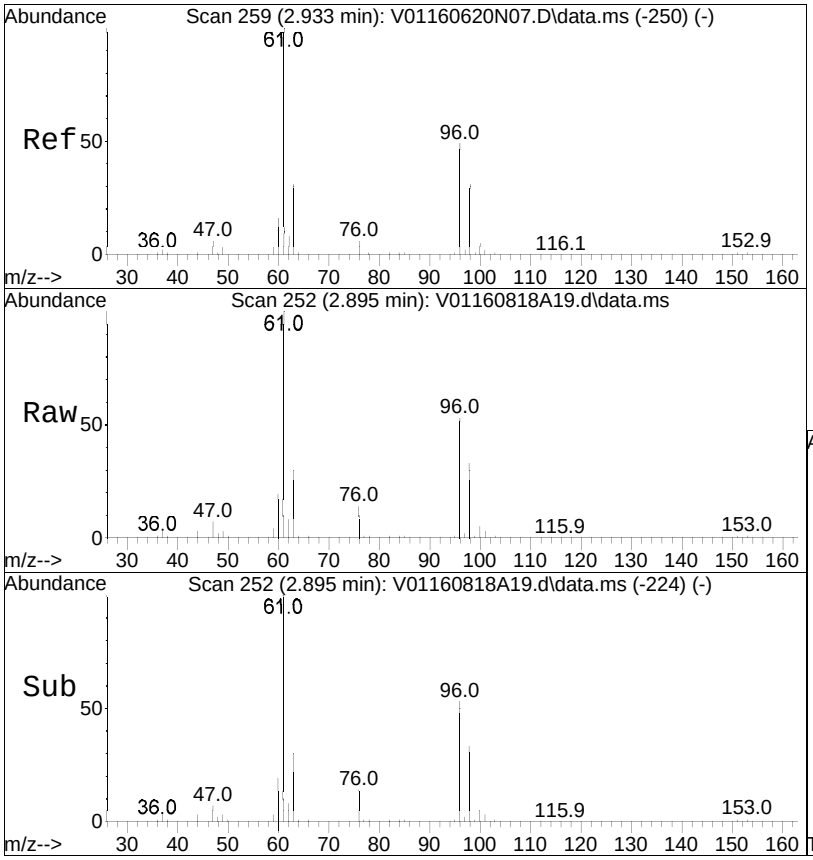


#8
Ethyl ether
Concen: 9.72 ug/L
RT: 2.699 min Scan# 216
Delta R.T. 0.006 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 74 Resp: 38637

Ion	Ratio	Lower	Upper
74	100		
59	149.4	100.4	208.6
45	122.8	84.4	175.4
43	36.6	24.2	50.2

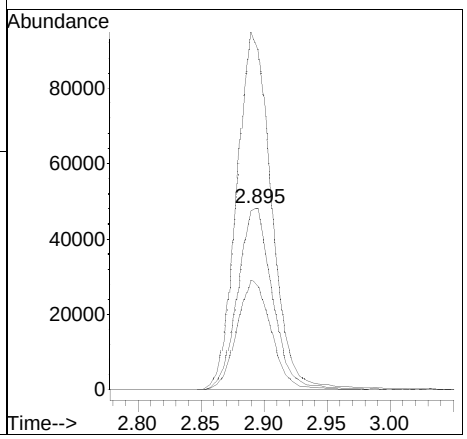


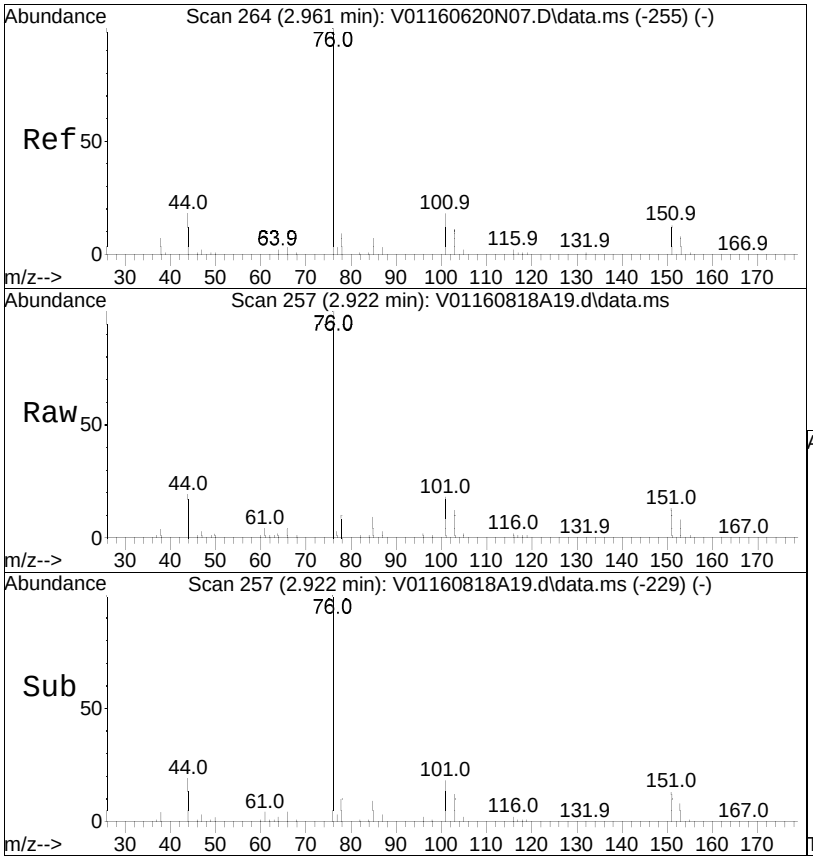


#10
1,1-Dichloroethene
Concen: 10.77 ug/L
RT: 2.895 min Scan# 252
Delta R.T. 0.005 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 96 Resp: 91809

Ion	Ratio	Lower	Upper
96	100		
61	198.2	145.4	218.2
63	59.9	45.7	68.5

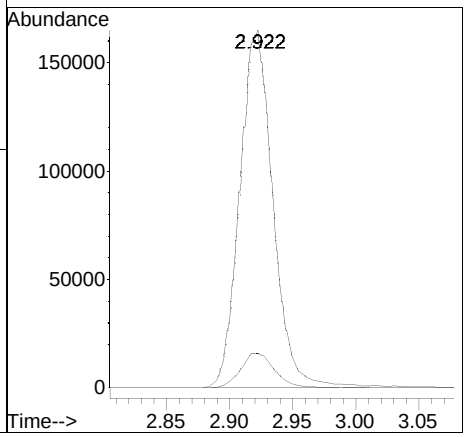


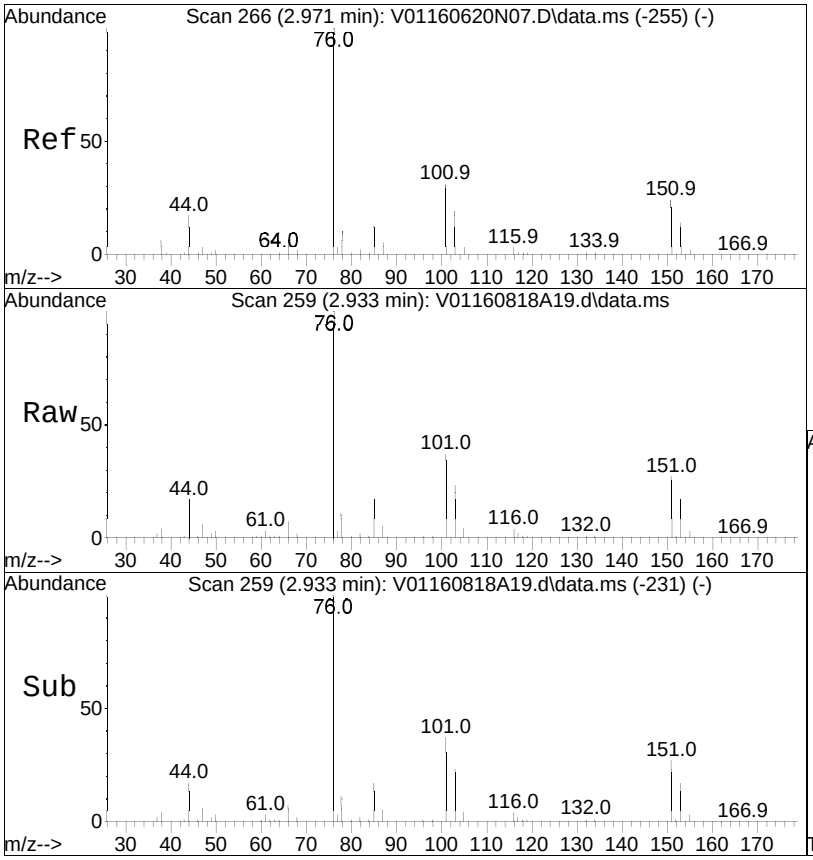


#11
Carbon disulfide
Concen: 10.00 ug/L
RT: 2.922 min Scan# 257
Delta R.T. 0.005 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 76 Resp: 299917

Ion	Ratio	Lower	Upper
76	100		
78	10.1	6.5	13.5

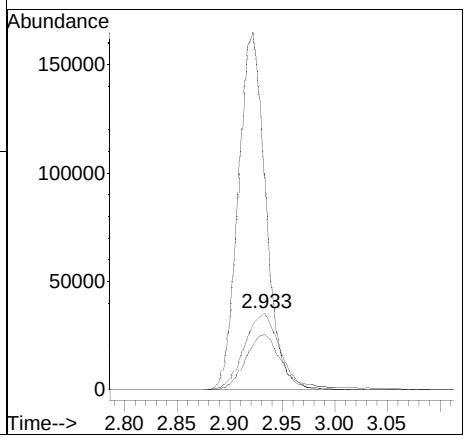


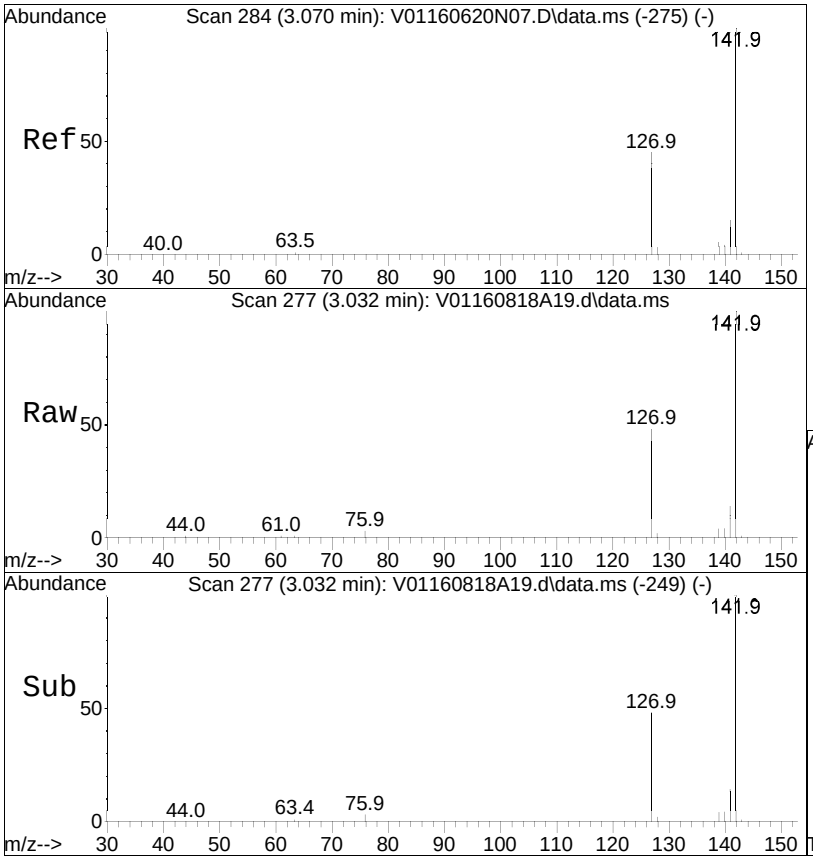


#12
Freon-113
Concen: 10.46 ug/L
RT: 2.933 min Scan# 259
Delta R.T. 0.005 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:101 Resp: 83409

Ion	Ratio	Lower	Upper
101	100		
151	71.0	58.7	88.1
76	359.6	214.3	321.5#

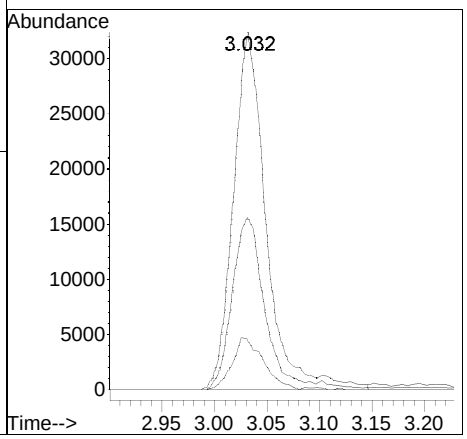


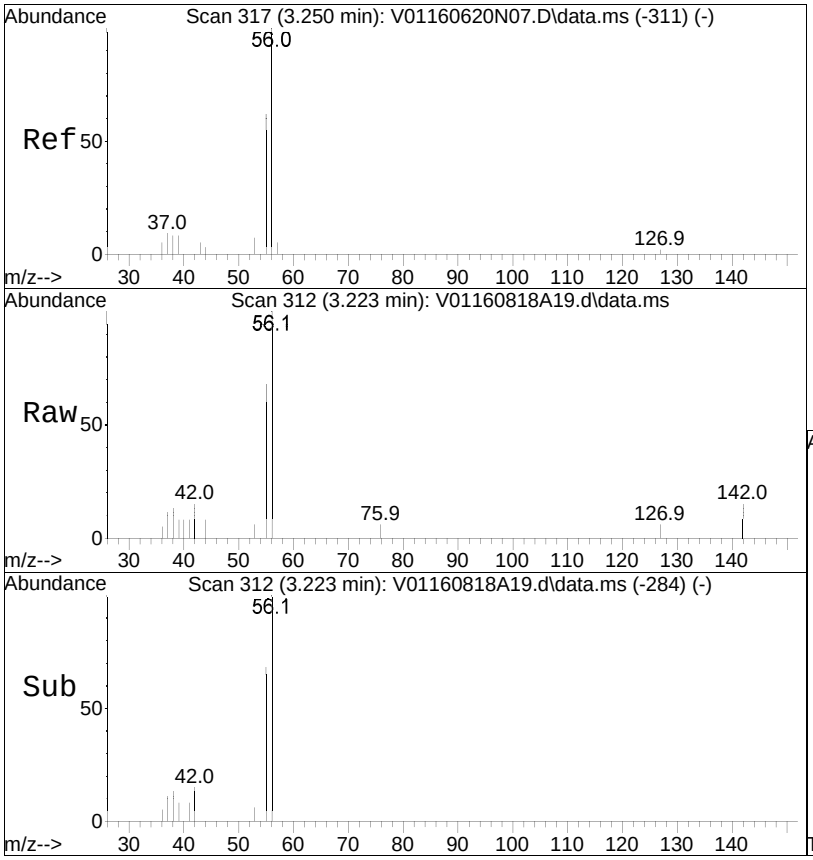


#13
Iodomethane
Concen: 8.10 ug/L
RT: 3.032 min Scan# 277
Delta R.T. 0.001 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:142 Resp: 69443

Ion	Ratio	Lower	Upper
142	100		
127	49.0	29.1	60.5
141	14.1	8.6	18.0

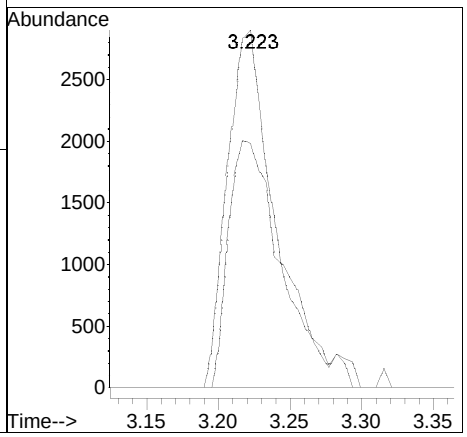


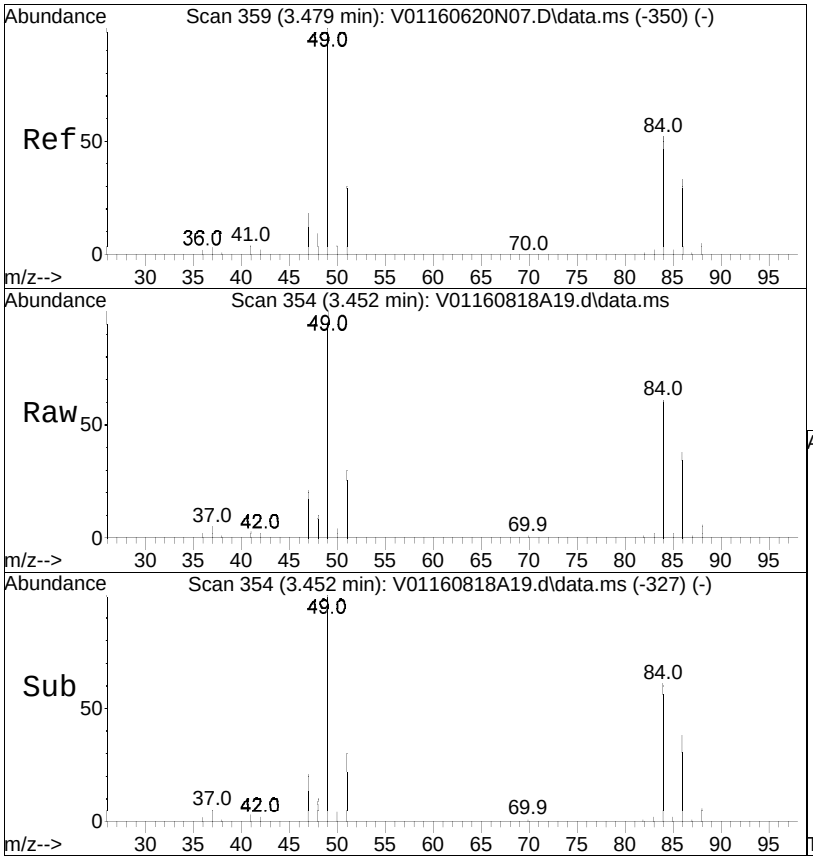


#14
Acrolein
Concen: 10.08 ug/L
RT: 3.223 min Scan# 312
Delta R.T. 0.001 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 56 Resp: 6852

Ion	Ratio	Lower	Upper
56	100		
55	77.7	57.8	86.6

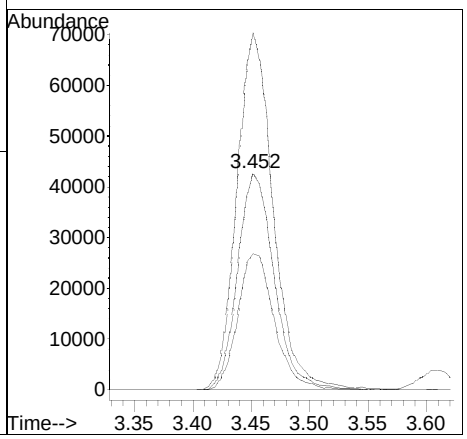


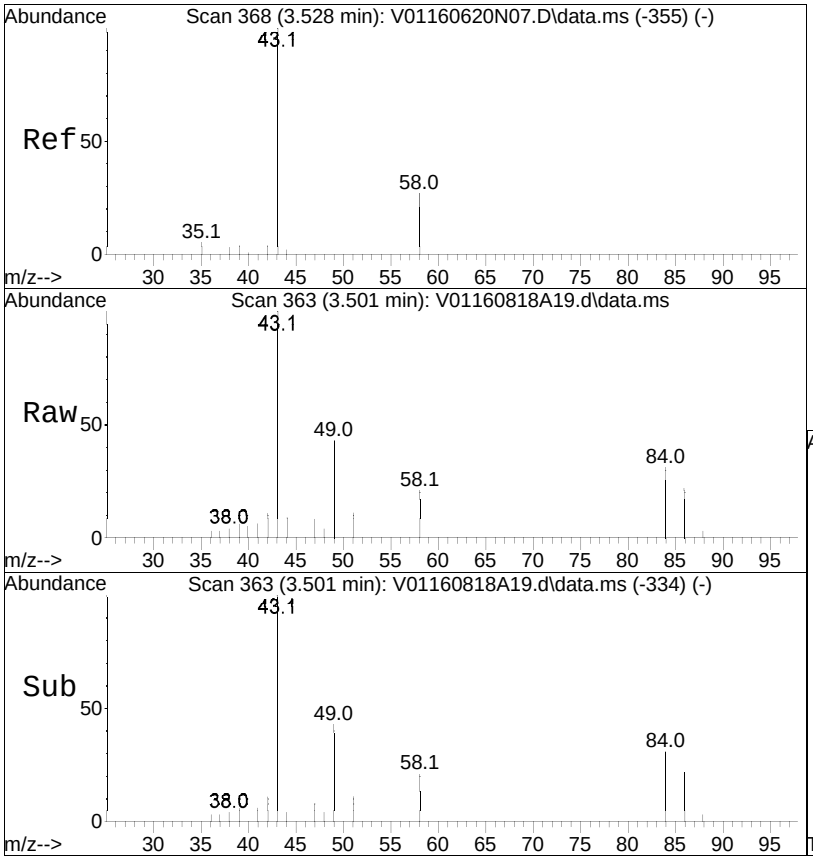


#15
Methylene chloride
Concen: 10.12 ug/L
RT: 3.452 min Scan# 354
Delta R.T. -0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 84 Resp: 92572

Ion	Ratio	Lower	Upper
84	100		
86	63.4	41.3	85.9
49	163.2	103.5	215.1

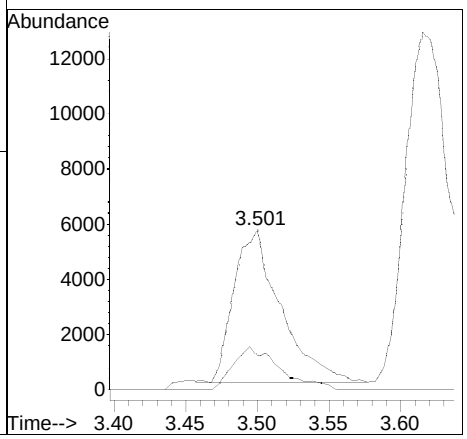


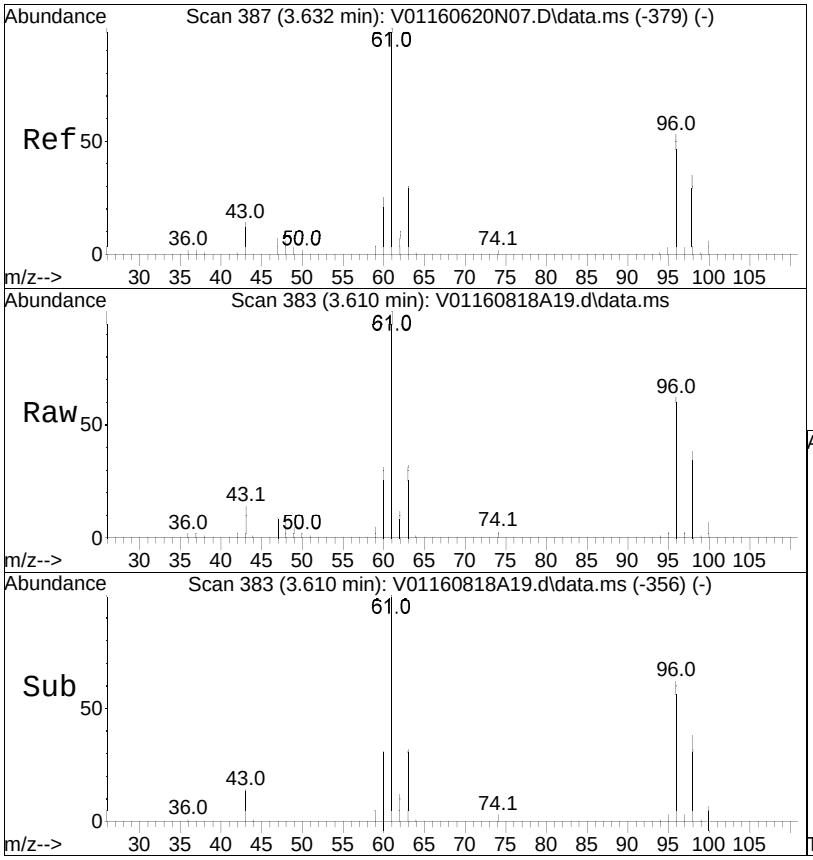


#17
Acetone
Concen: 10.88 ug/L
RT: 3.501 min Scan# 363
Delta R.T. 0.006 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 43 Resp: 12447

Ion	Ratio	Lower	Upper
43	100		
58	28.7	18.5	27.7#

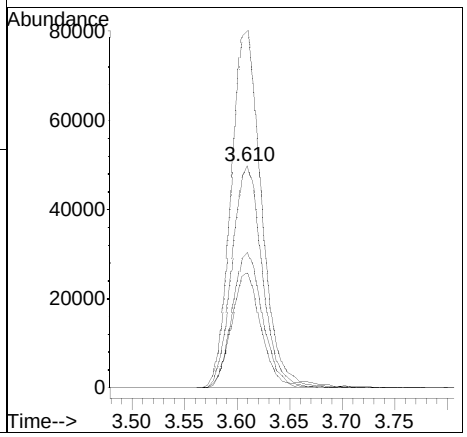


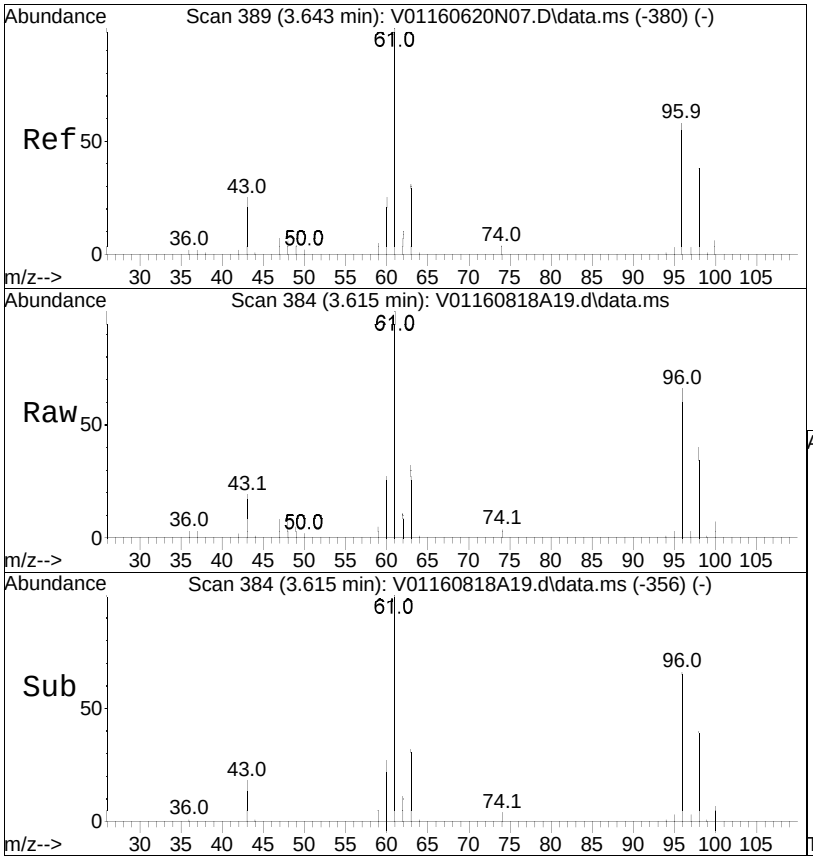


#18
trans-1,2-Dichloroethene
Concen: 10.92 ug/L
RT: 3.610 min Scan# 383
Delta R.T. -0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 96 Resp: 100701

Ion	Ratio	Lower	Upper
96	100		
61	160.6	101.5	210.9
98	61.4	41.2	85.6
63	50.3	32.1	66.7

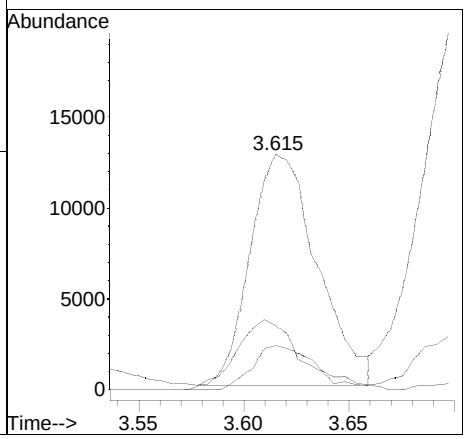


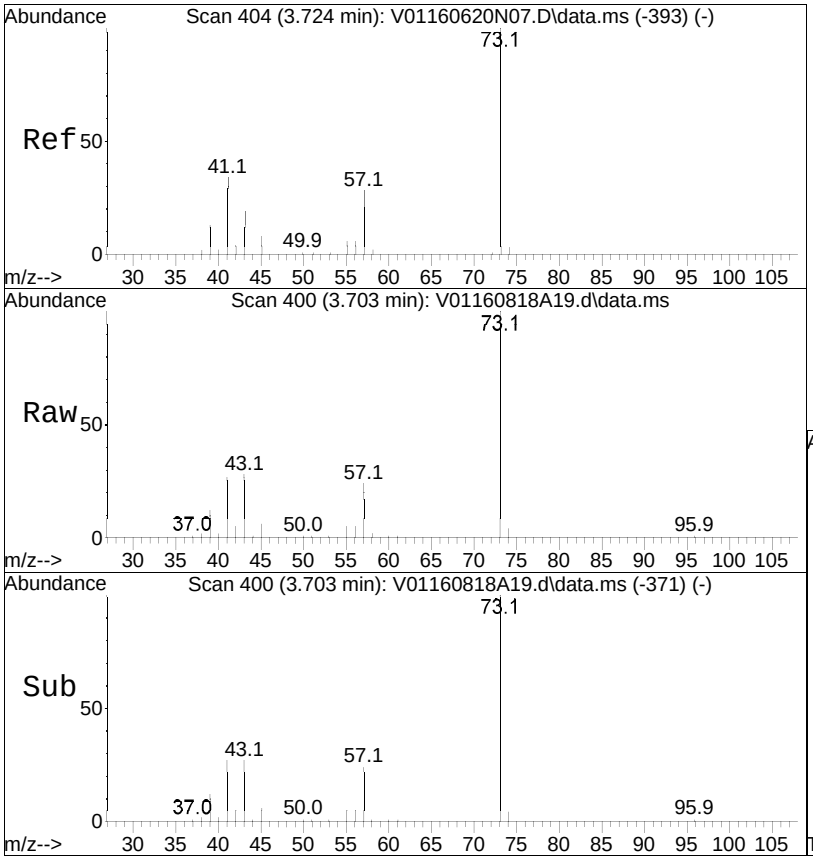


#19
Methyl acetate
Concen: 9.17 ug/L
RT: 3.615 min Scan# 384
Delta R.T. 0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 43 Resp: 27988

Ion	Ratio	Lower	Upper
43	100		
74	18.8	13.6	20.4
59	29.2	15.8	23.8#

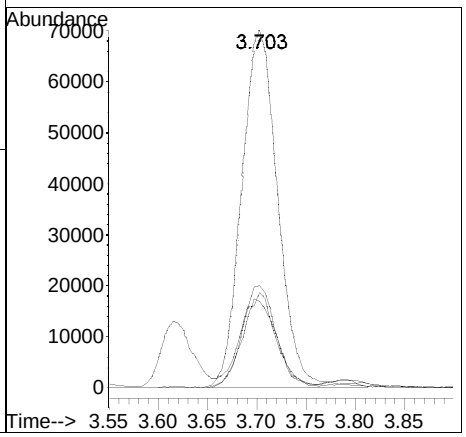


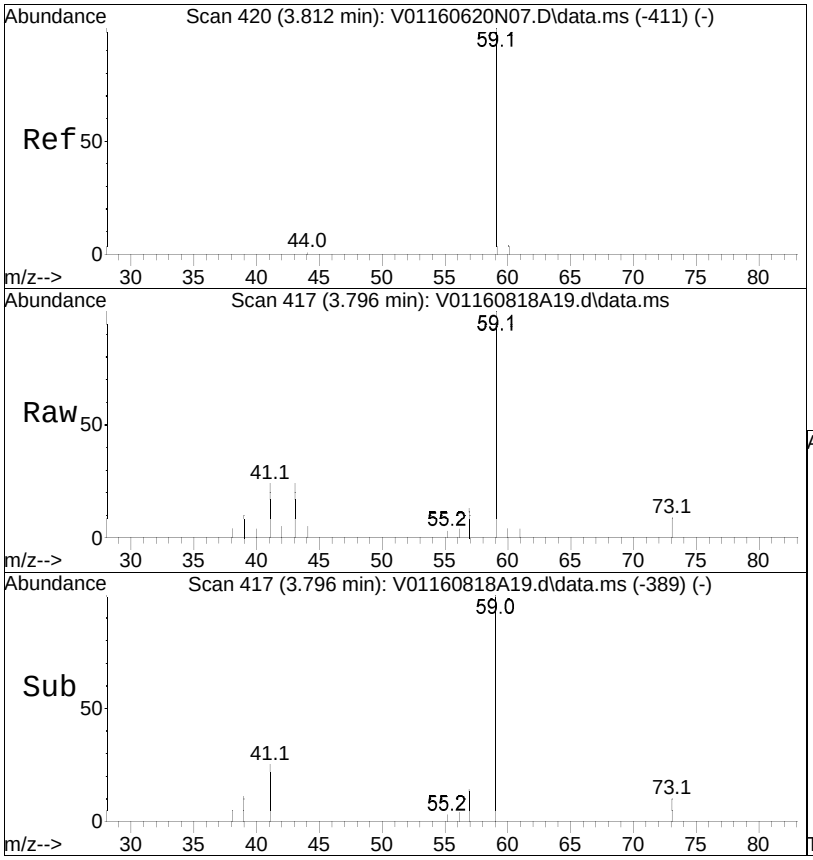


#20
Methyl tert-butyl ether
Concen: 9.76 ug/L
RT: 3.703 min Scan# 400
Delta R.T. 0.006 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 73 Resp: 177565

Ion	Ratio	Lower	Upper
73	100		
57	24.3	16.0	33.2
43	26.7	18.5	38.3
41	25.6	19.2	40.0

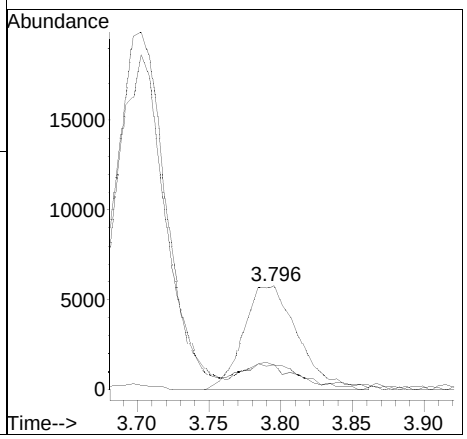


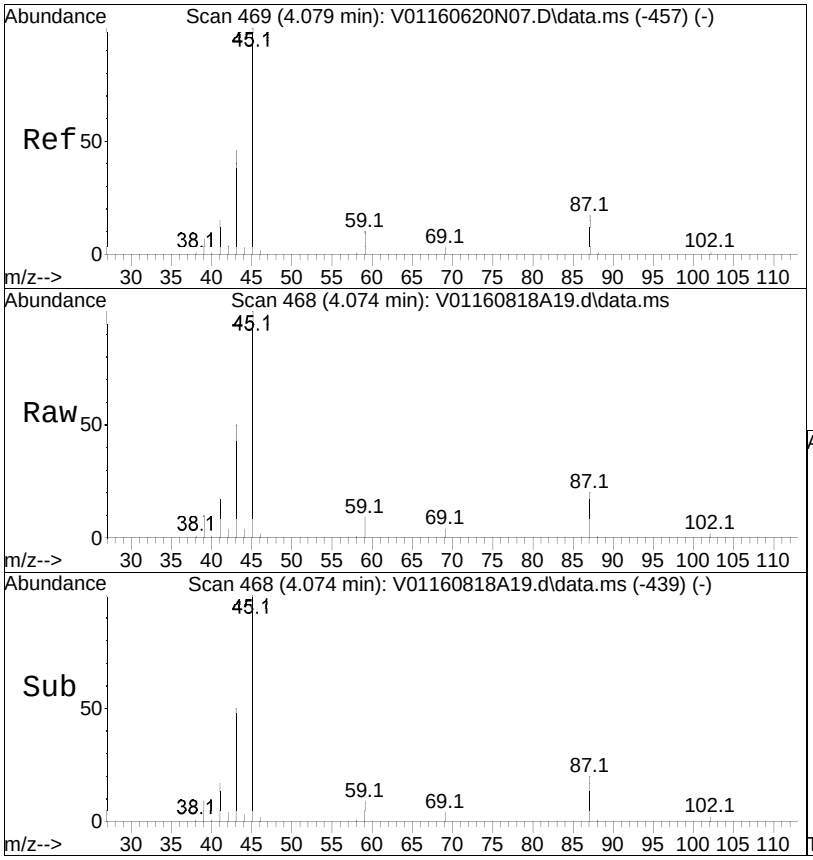


#21
tert-Butyl alcohol
Concen: 75.11 ug/L
RT: 3.796 min Scan# 417
Delta R.T. 0.001 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 59 Resp: 15313

Ion	Ratio	Lower	Upper
59	100		
41	28.1	21.5	44.7
43	15.9	0.0	0.0#

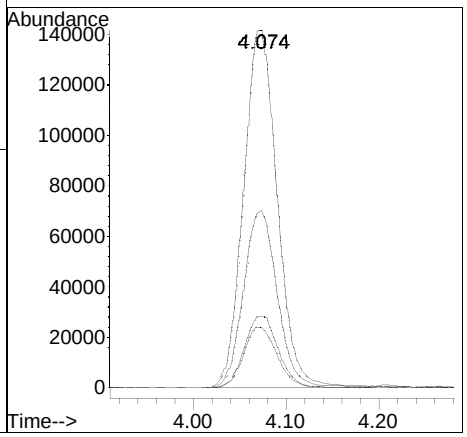


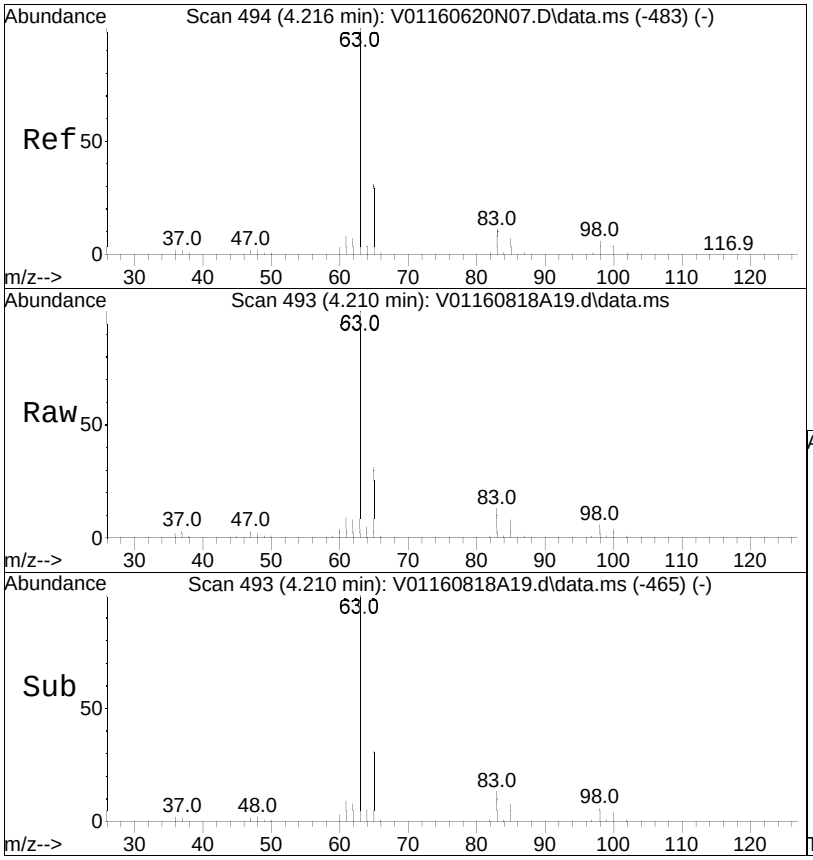


#22
Diisopropyl ether
Concen: 10.75 ug/L
RT: 4.074 min Scan# 468
Delta R.T. 0.006 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 45 Resp: 354679

Ion	Ratio	Lower	Upper
45	100		
43	50.0	32.0	66.6
87	20.4	13.2	27.4
41	17.1	11.4	23.6

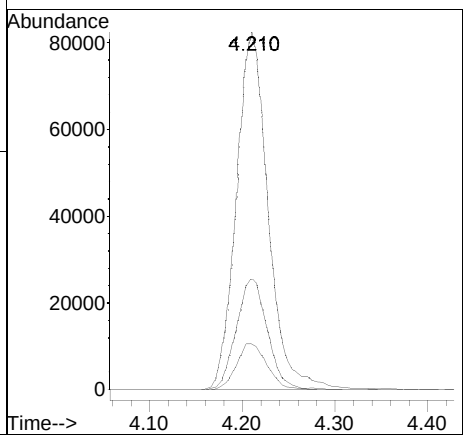


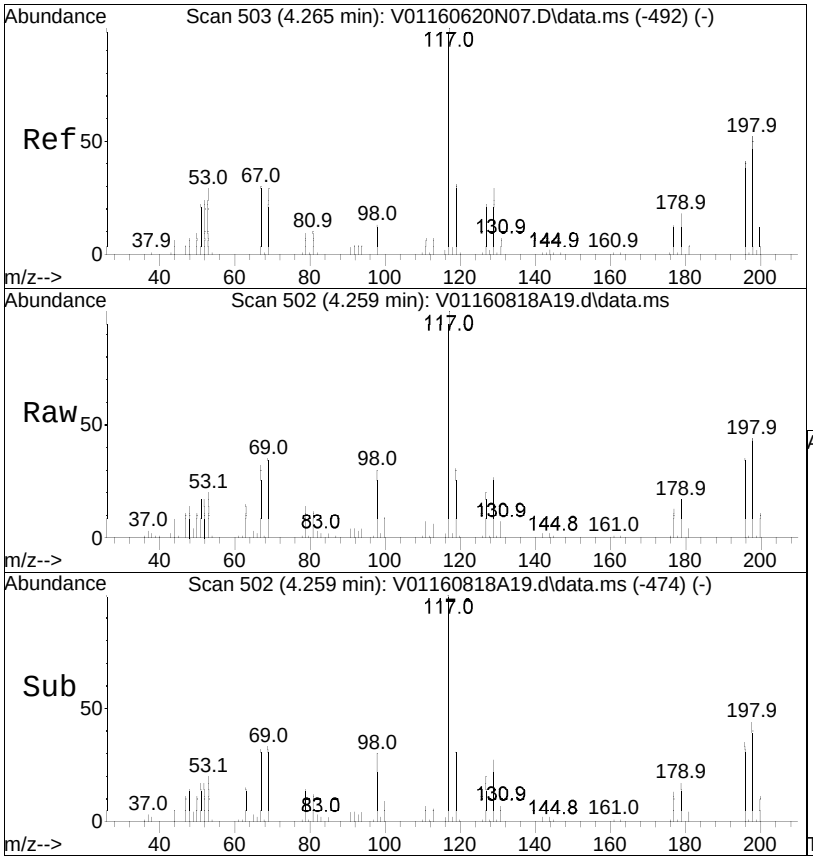


#23
1,1-Dichloroethane
Concen: 11.08 ug/L
RT: 4.210 min Scan# 493
Delta R.T. 0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 63 Resp: 194943

Ion	Ratio	Lower	Upper
63	100		
65	30.2	10.2	50.2
83	12.5	0.0	32.3

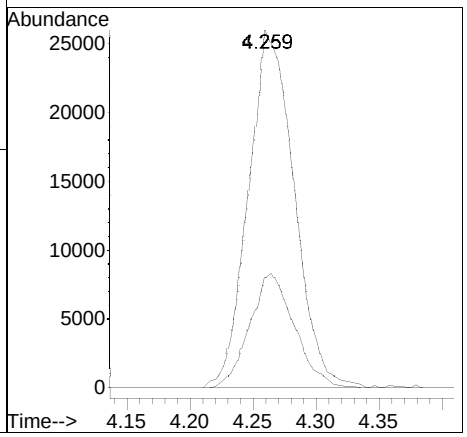


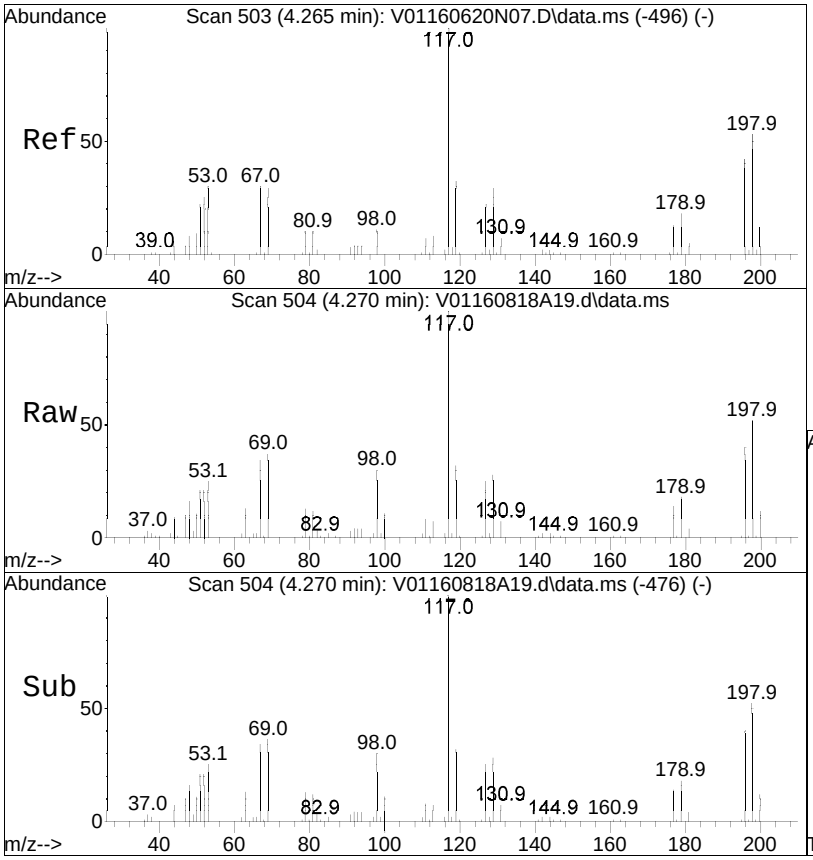


#24
Halothane
Concen: 10.74 ug/L
RT: 4.259 min Scan# 502
Delta R.T. 0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:117 Resp: 65083

Ion	Ratio	Lower	Upper
117	100		
119	31.5	20.6	42.8

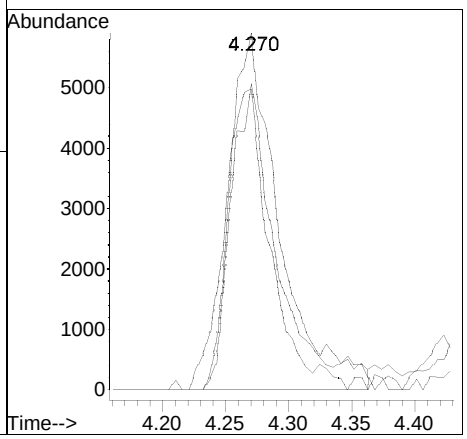


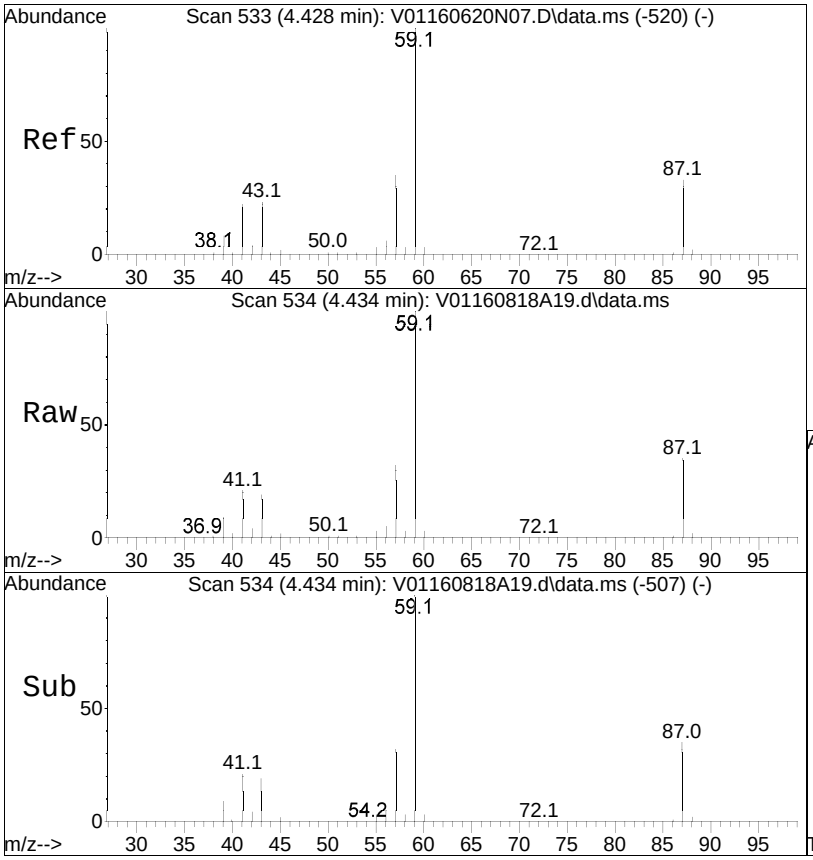


#25
Acrylonitrile
Concen: 10.03 ug/L
RT: 4.270 min Scan# 504
Delta R.T. 0.005 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 53 Resp: 15978

Ion	Ratio	Lower	Upper
53	100		
52	76.9	67.3	100.9
51	76.5	60.4	90.6

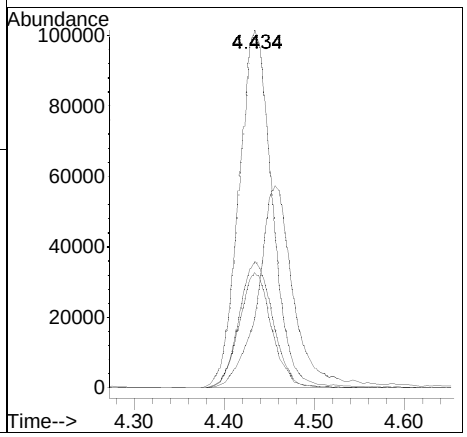


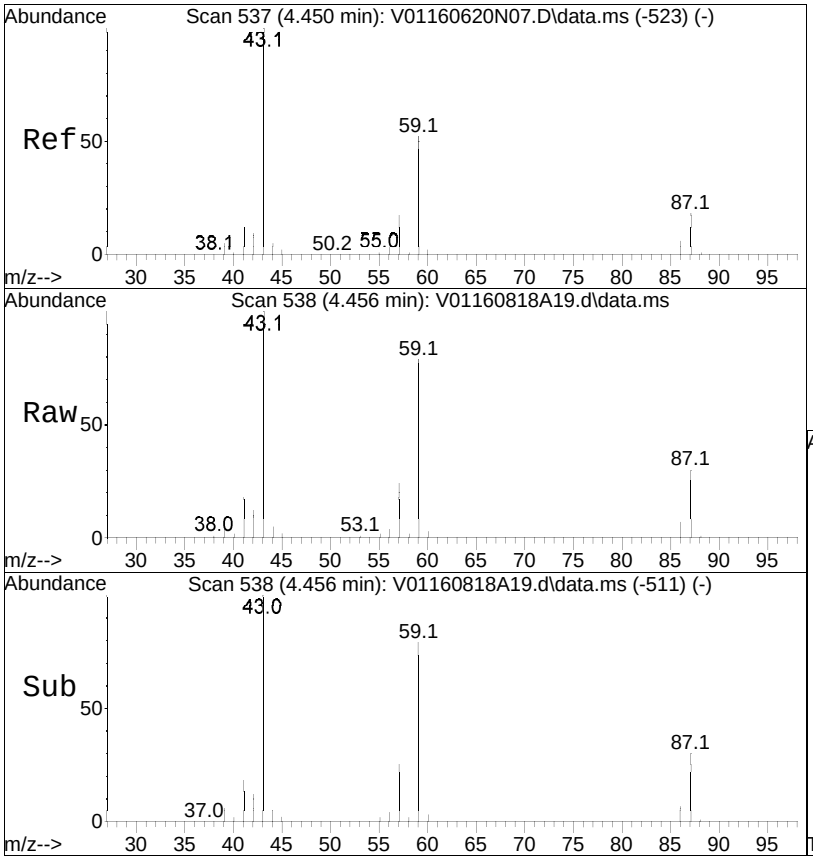


#26
Ethyl tert-butyl ether
Concen: 9.91 ug/L
RT: 4.434 min Scan# 534
Delta R.T. -0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 59 Resp: 259011

Ion	Ratio	Lower	Upper
59	100		
87	36.3	24.4	50.8
57	31.9	20.7	43.1
43	60.3	41.5	86.3

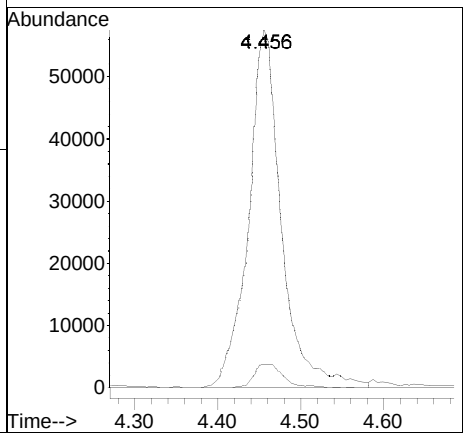


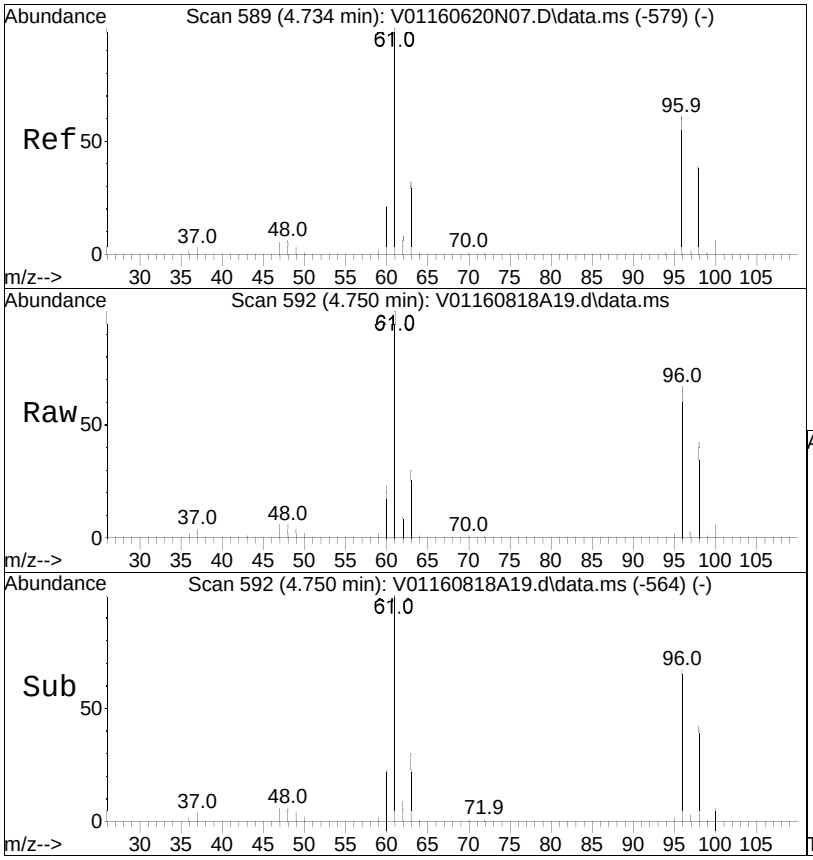


#27
Vinyl acetate
Concen: 9.93 ug/L
RT: 4.456 min Scan# 538
Delta R.T. -0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 43 Resp: 158157

Ion	Ratio	Lower	Upper
43	100		
86	6.1	4.7	7.1

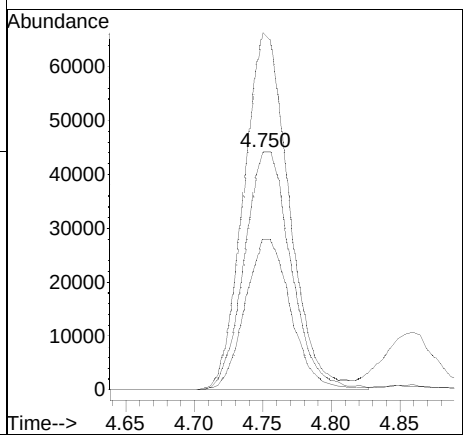


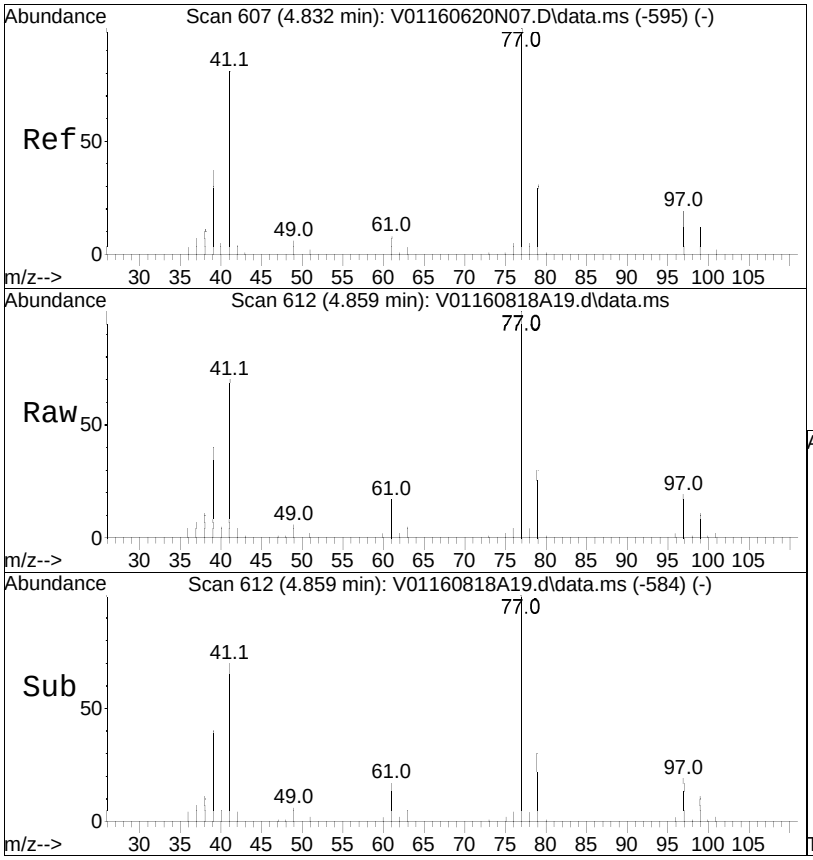


#28
cis-1,2-Dichloroethene
Concen: 10.68 ug/L
RT: 4.750 min Scan# 592
Delta R.T. 0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 96 Resp: 104061

Ion	Ratio	Lower	Upper
96	100		
61	146.0	112.2	168.2
98	62.3	51.0	76.4

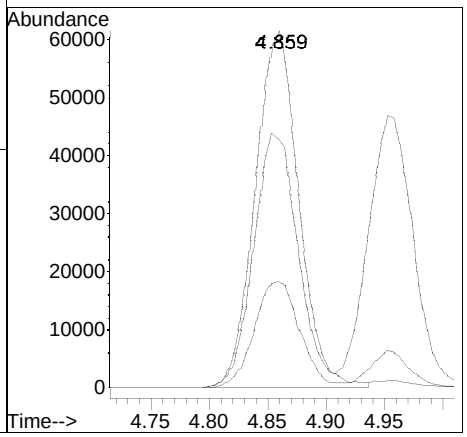


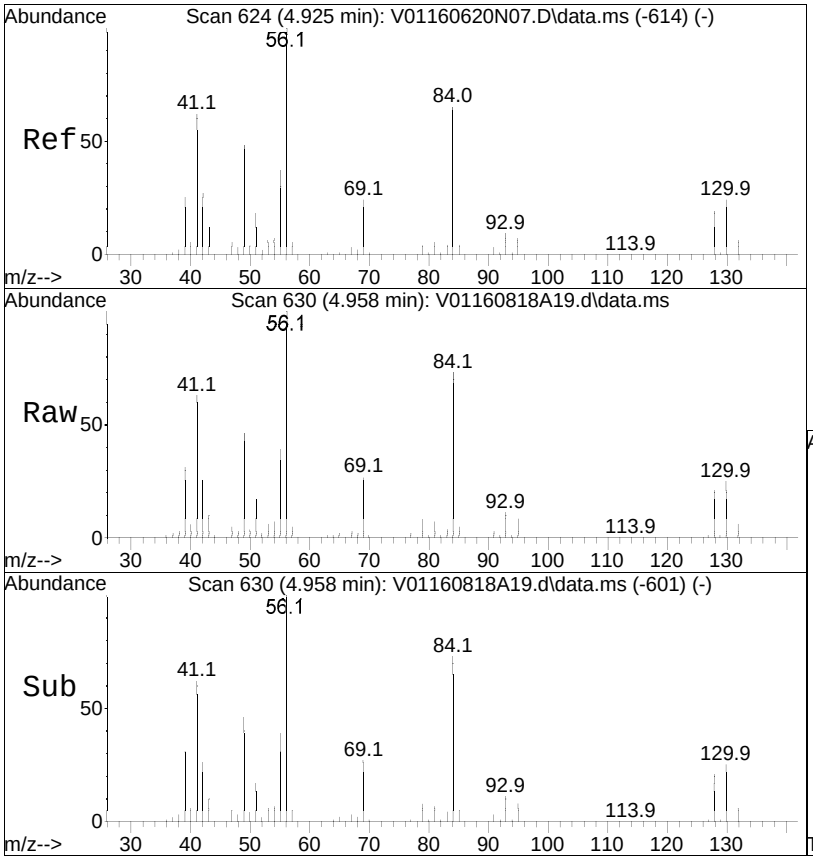


#29
2,2-Dichloropropane
Concen: 11.55 ug/L
RT: 4.859 min Scan# 612
Delta R.T. 0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 77 Resp: 159403

Ion	Ratio	Lower	Upper
77	100		
41	72.9	50.4	104.6
79	31.0	21.0	43.6

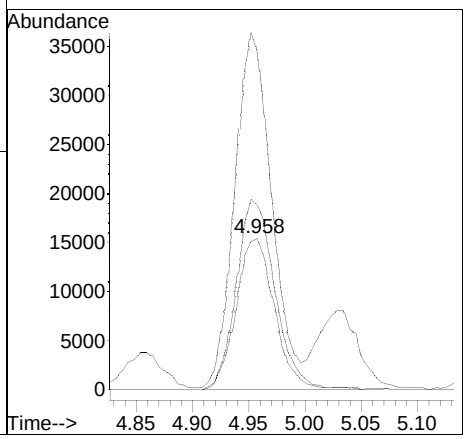


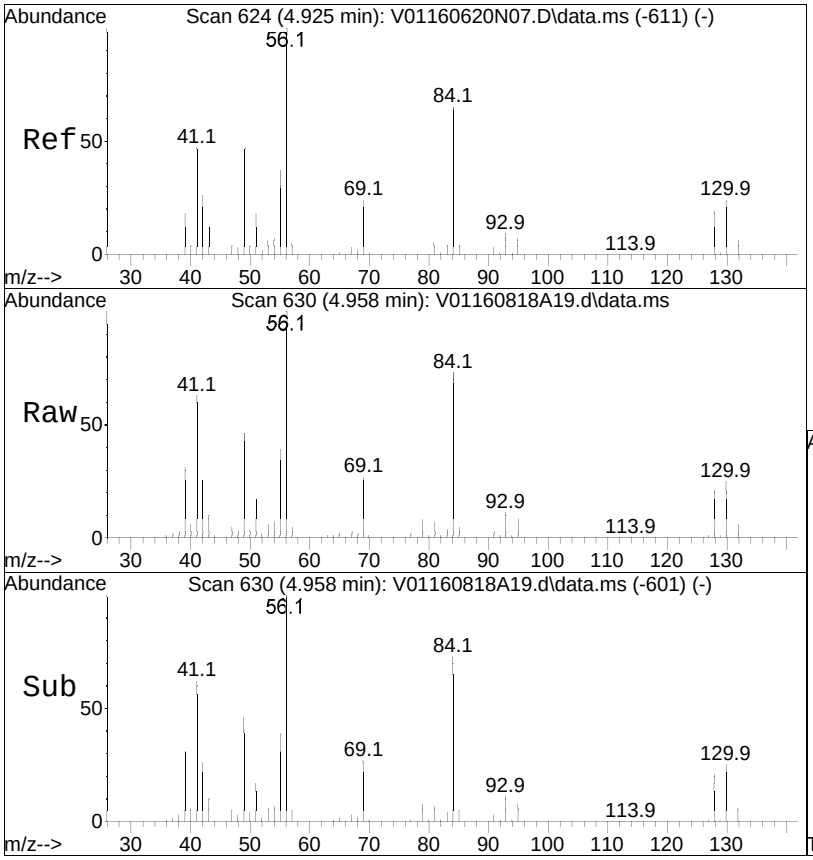


#30
Bromochloromethane
Concen: 10.51 ug/L
RT: 4.958 min Scan# 630
Delta R.T. 0.006 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:128 Resp: 36924

Ion	Ratio	Lower	Upper
128	100		
49	219.7	164.2	246.4
130	126.1	104.2	156.2

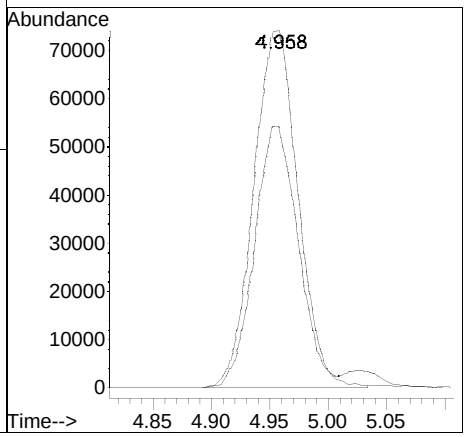


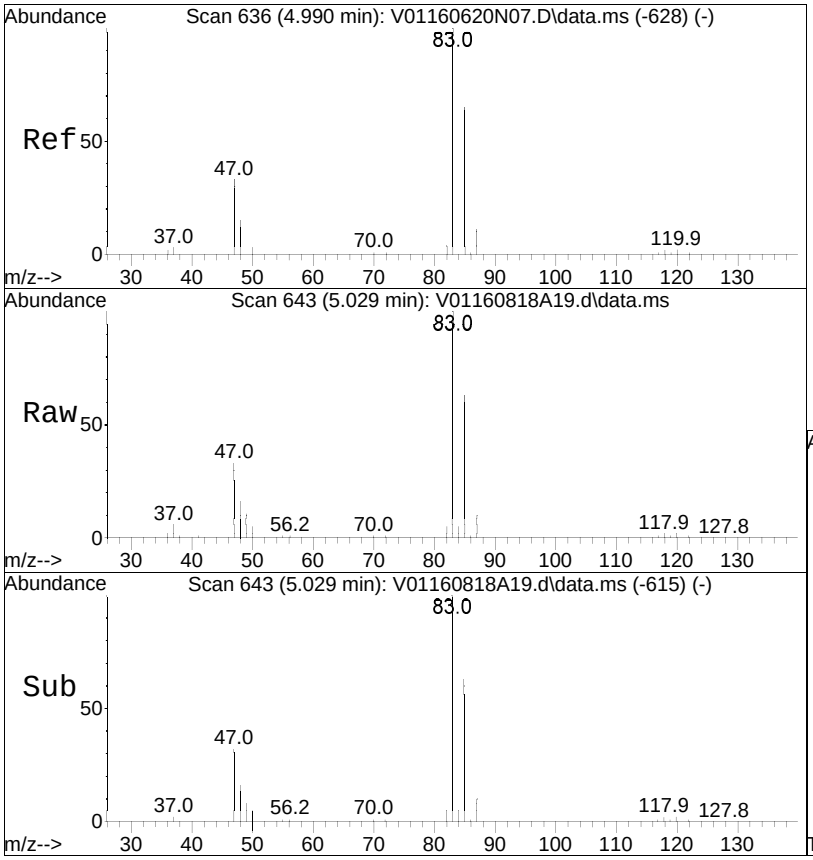


#31
Cyclohexane
Concen: 10.80 ug/L
RT: 4.958 min Scan# 630
Delta R.T. 0.006 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 56 Resp: 195678

Ion	Ratio	Lower	Upper
56	100		
84	72.2	48.8	101.3

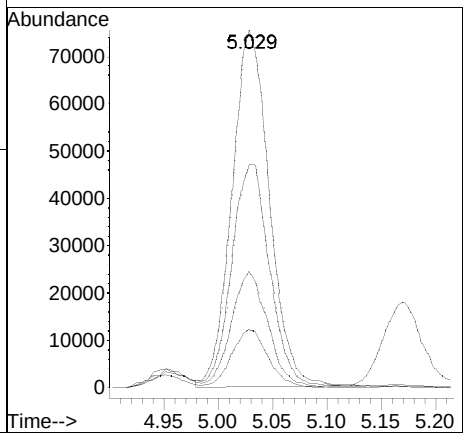


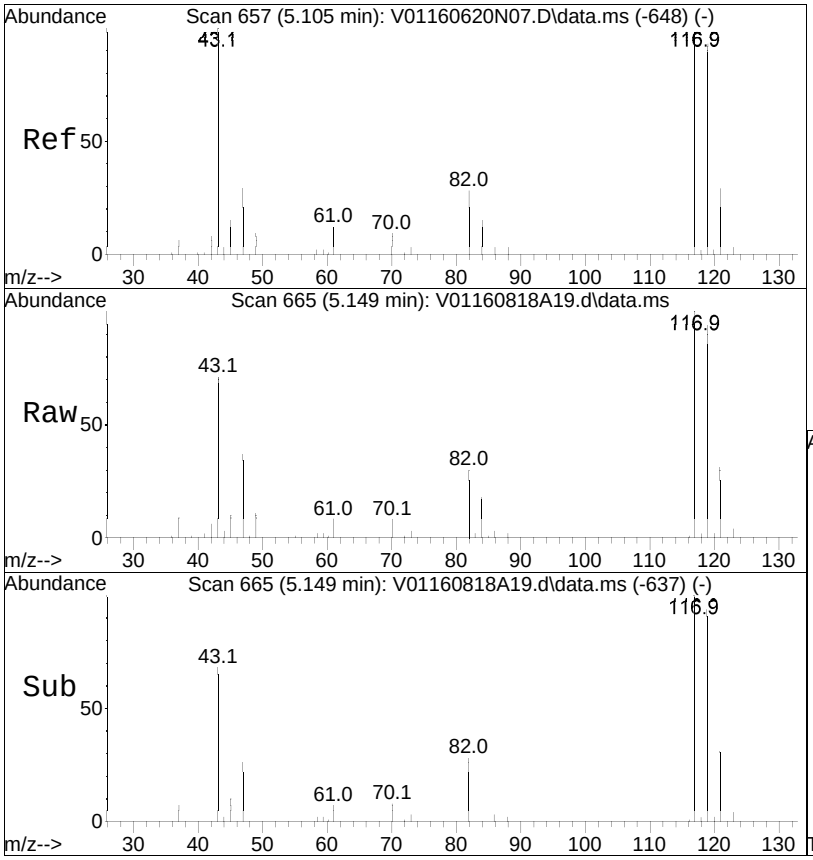


#32
Chloroform
Concen: 10.85 ug/L
RT: 5.029 min Scan# 643
Delta R.T. 0.001 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 83 Resp: 178916

Ion	Ratio	Lower	Upper
83	100		
85	63.6	42.3	87.9
47	31.6	20.5	42.7
48	16.3	9.8	20.4

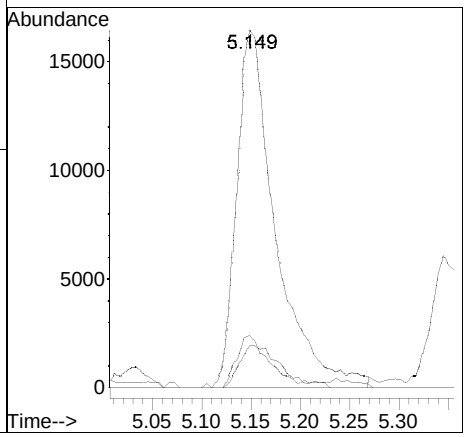


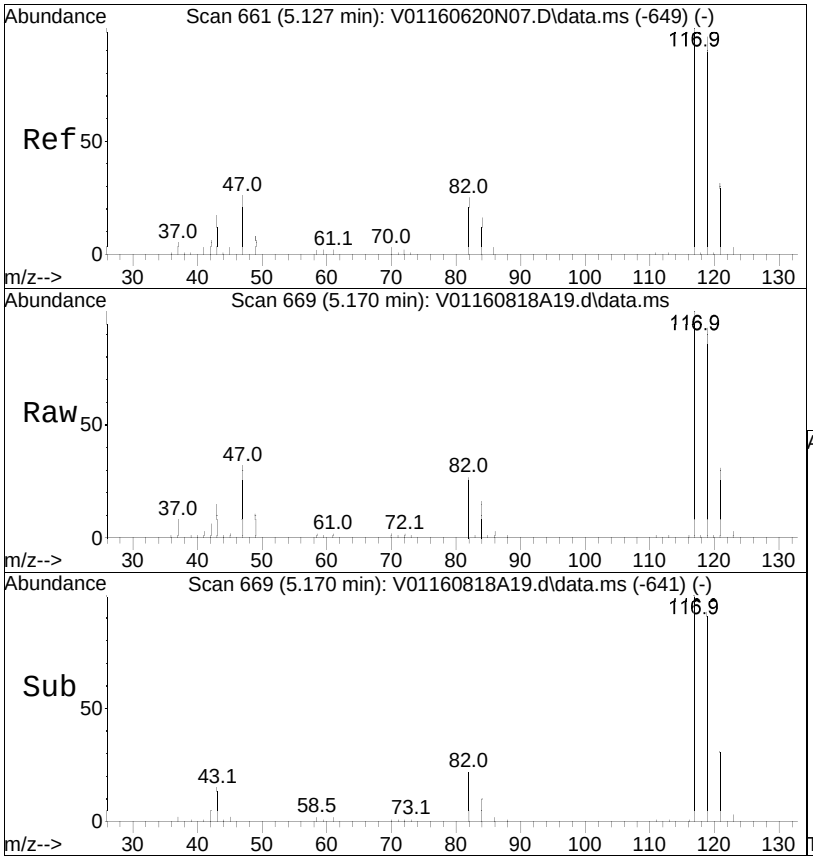


#33
Ethyl acetate
Concen: 9.57 ug/L
RT: 5.149 min Scan# 665
Delta R.T. -0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 43 Resp: 45123

Ion	Ratio	Lower	Upper
43	100		
45	12.0	10.1	15.1
70	11.9	8.1	12.1

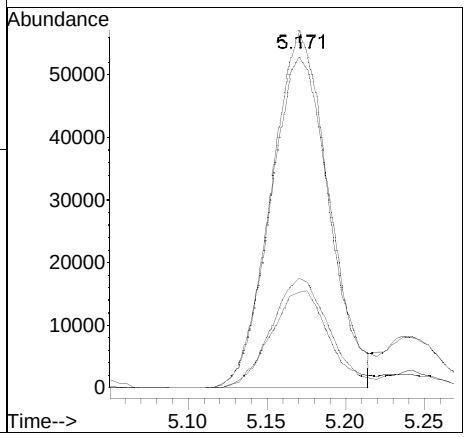


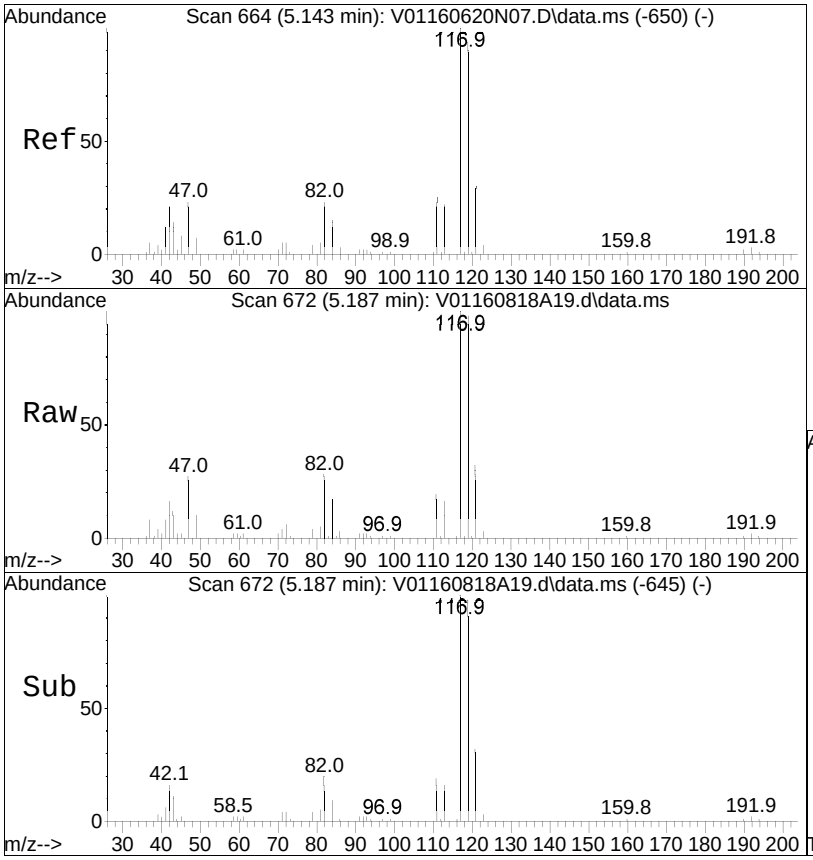


#34
Carbon tetrachloride
Concen: 10.91 ug/L
RT: 5.170 min Scan# 669
Delta R.T. 0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:117 Resp: 143091

Ion	Ratio	Lower	Upper
117	100		
119	96.4	62.7	130.3
121	31.2	20.0	41.6
82	28.2	16.7	34.7

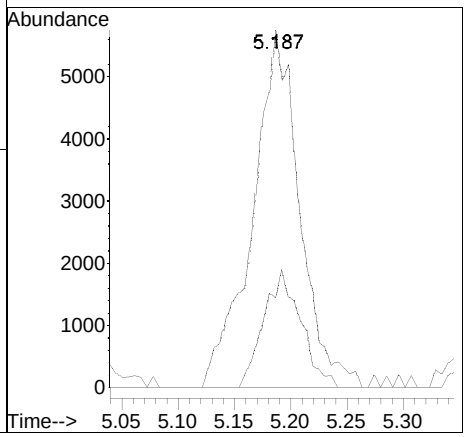


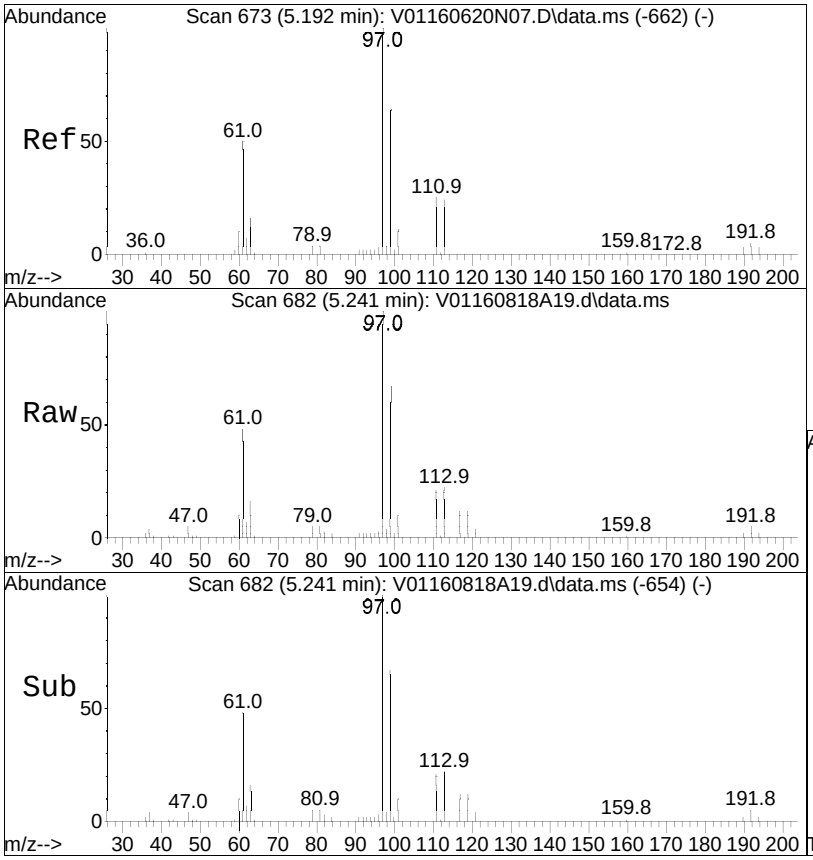


#35
Tetrahydrofuran
Concen: 10.15 ug/L
RT: 5.187 min Scan# 672
Delta R.T. -0.005 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 42 Resp: 16671

Ion	Ratio	Lower	Upper
42	100		
71	25.9	18.5	27.7

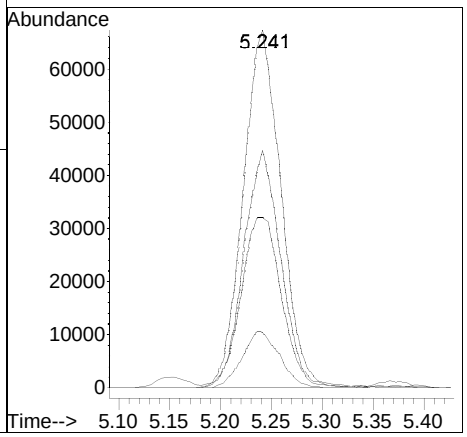


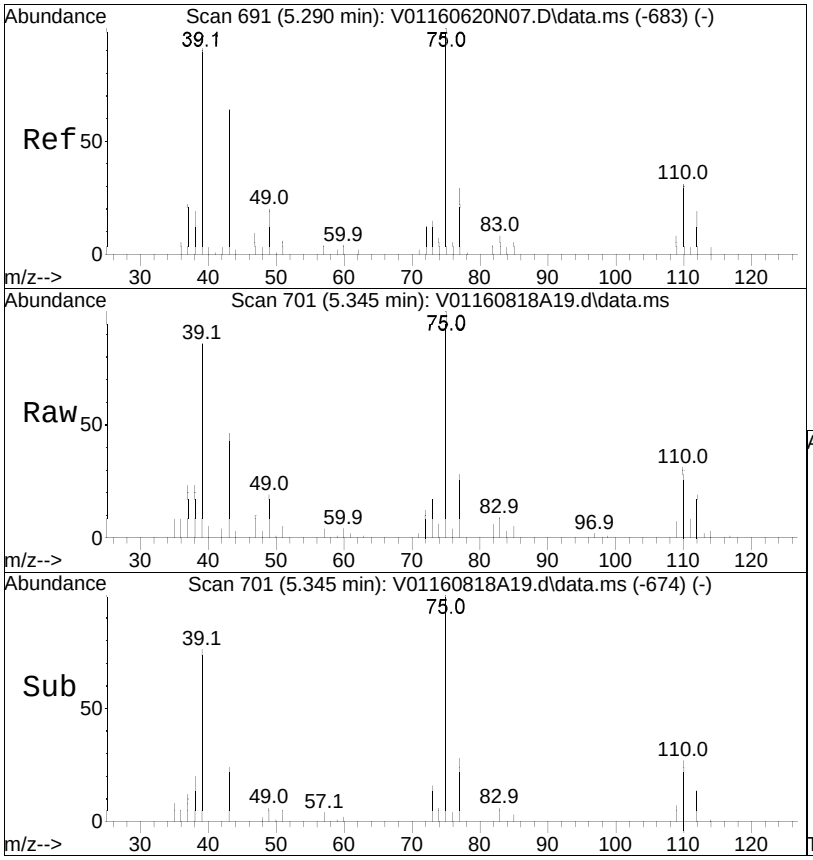


#37
1,1,1-Trichloroethane
Concen: 11.12 ug/L
RT: 5.241 min Scan# 682
Delta R.T. 0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 97 Resp: 173148

Ion	Ratio	Lower	Upper
97	100		
99	65.2	41.7	86.7
61	50.0	30.9	64.3
63	15.7	9.8	20.3

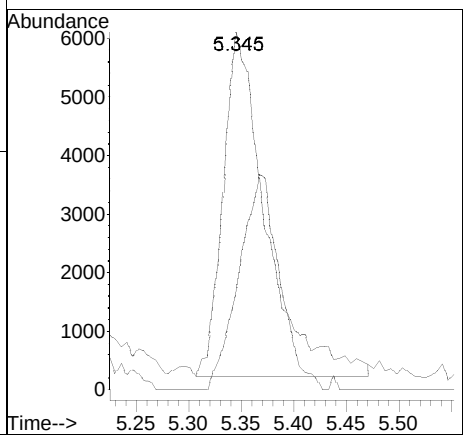


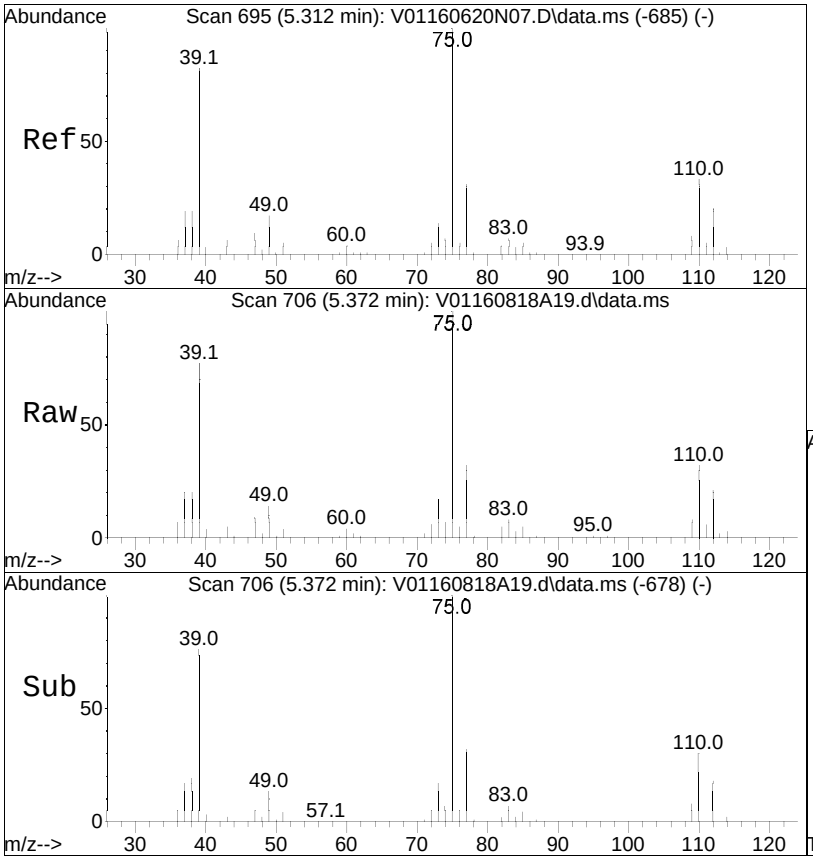


#39
2-Butanone
Concen: 10.14 ug/L
RT: 5.345 min Scan# 701
Delta R.T. -0.005 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 43 Resp: 16795

Ion	Ratio	Lower	Upper
43	100		
72	58.5	32.0	48.0#

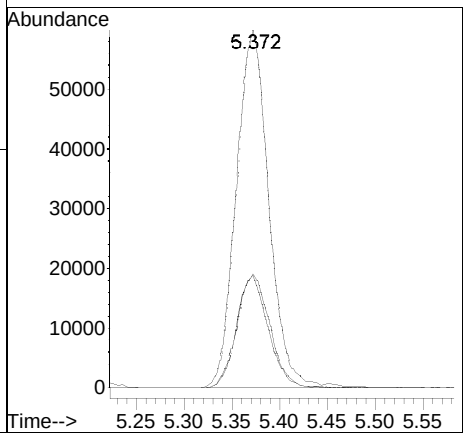


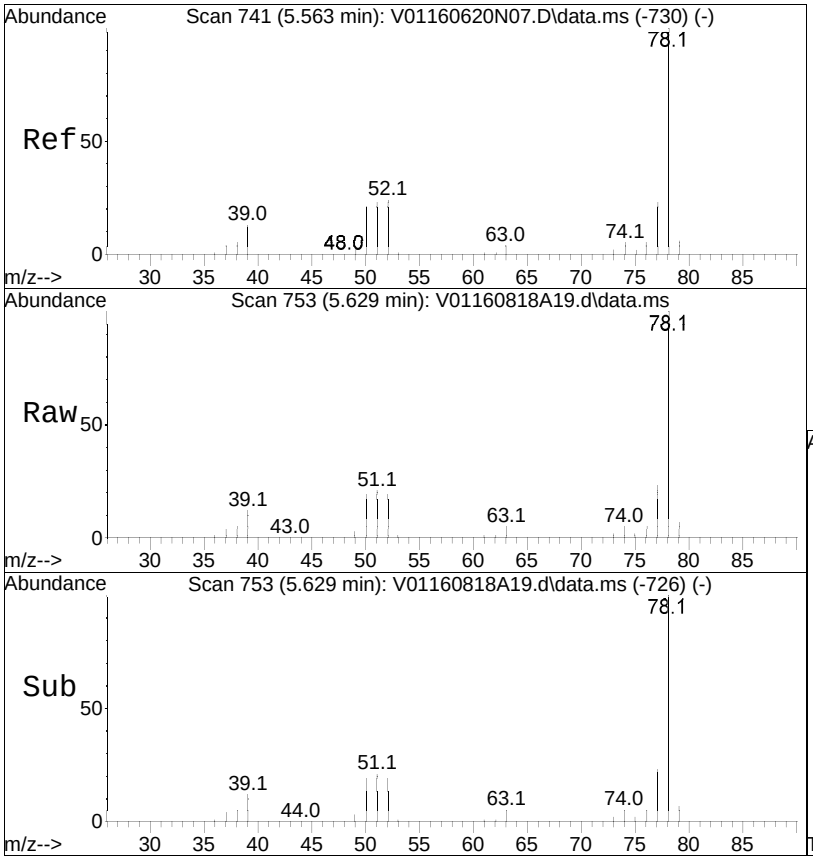


#40
1,1-Dichloropropene
Concen: 11.29 ug/L
RT: 5.372 min Scan# 706
Delta R.T. 0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 75 Resp: 141472

Ion	Ratio	Lower	Upper
75	100		
110	32.4	23.0	47.8
77	30.4	20.2	42.0

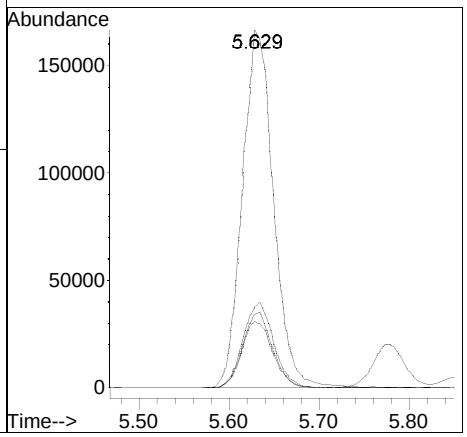


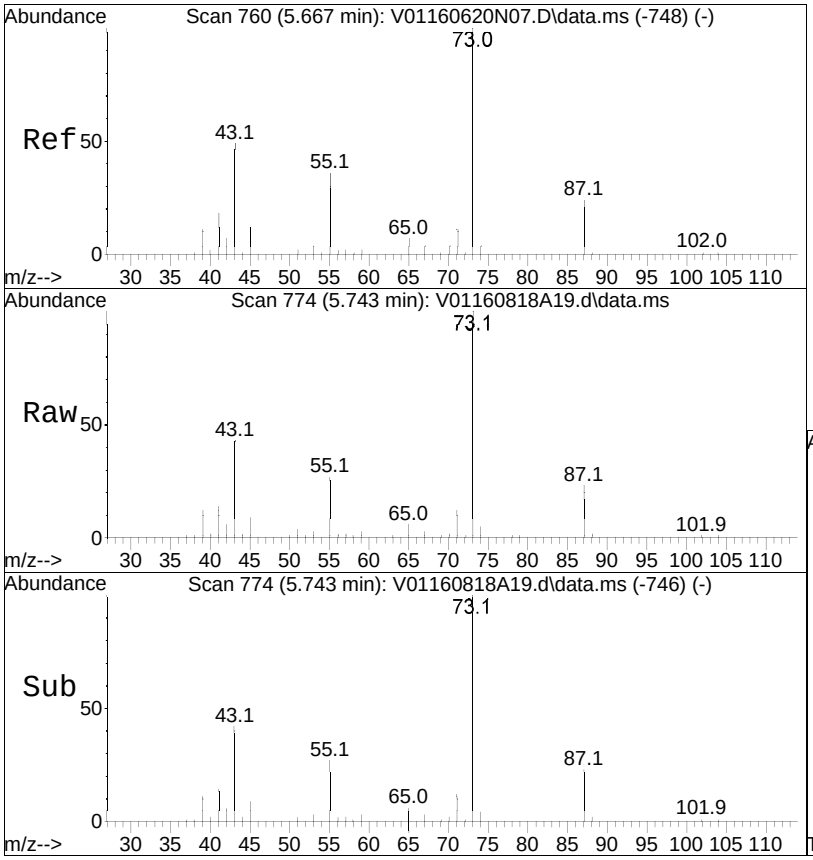


#41
Benzene
Concen: 10.75 ug/L
RT: 5.629 min Scan# 753
Delta R.T. -0.005 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 78 Resp: 397734

Ion	Ratio	Lower	Upper
78	100		
77	23.9	15.3	31.7
51	20.6	13.7	28.4
52	18.8	12.9	26.7

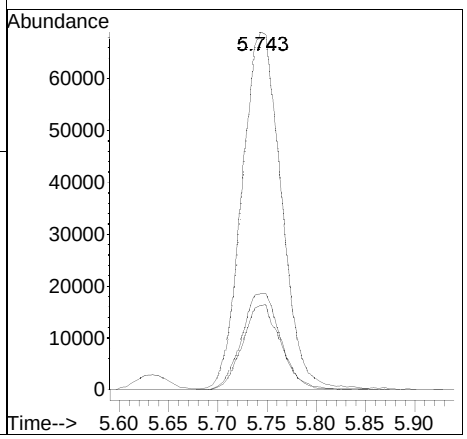


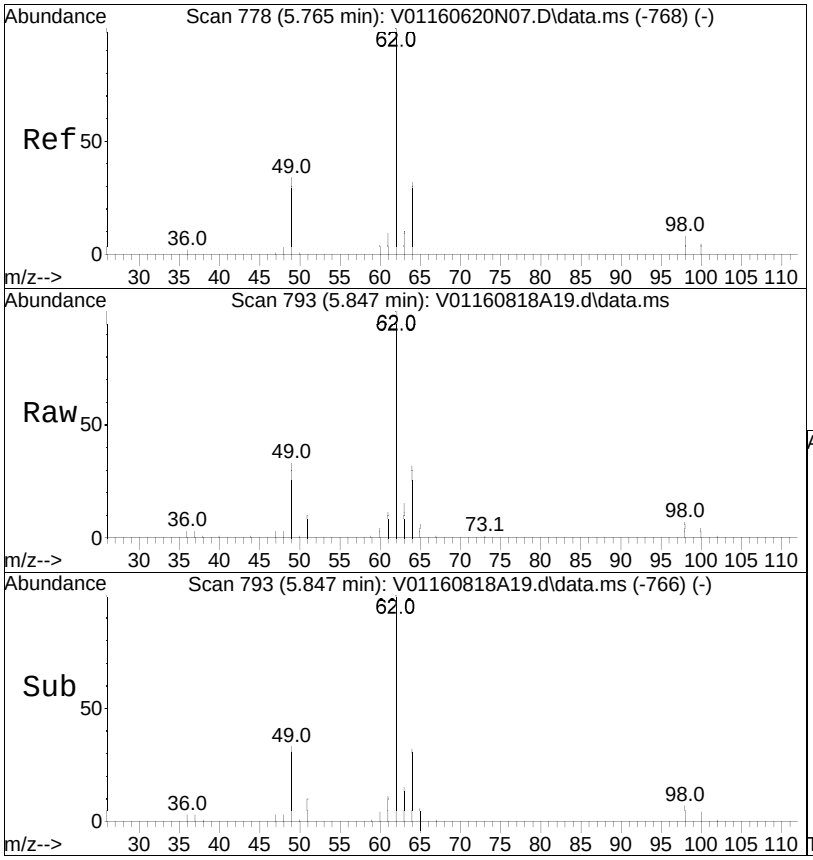


#42
tert-Amyl methyl ether
Concen: 9.61 ug/L
RT: 5.743 min Scan# 774
Delta R.T. 0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 73 Resp: 188425

Ion	Ratio	Lower	Upper
73	100		
55	27.0	20.3	42.3
87	23.5	15.9	32.9

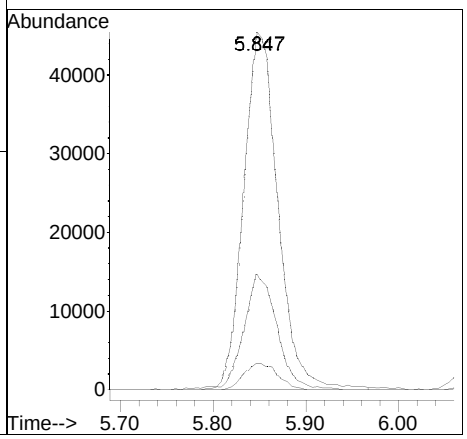


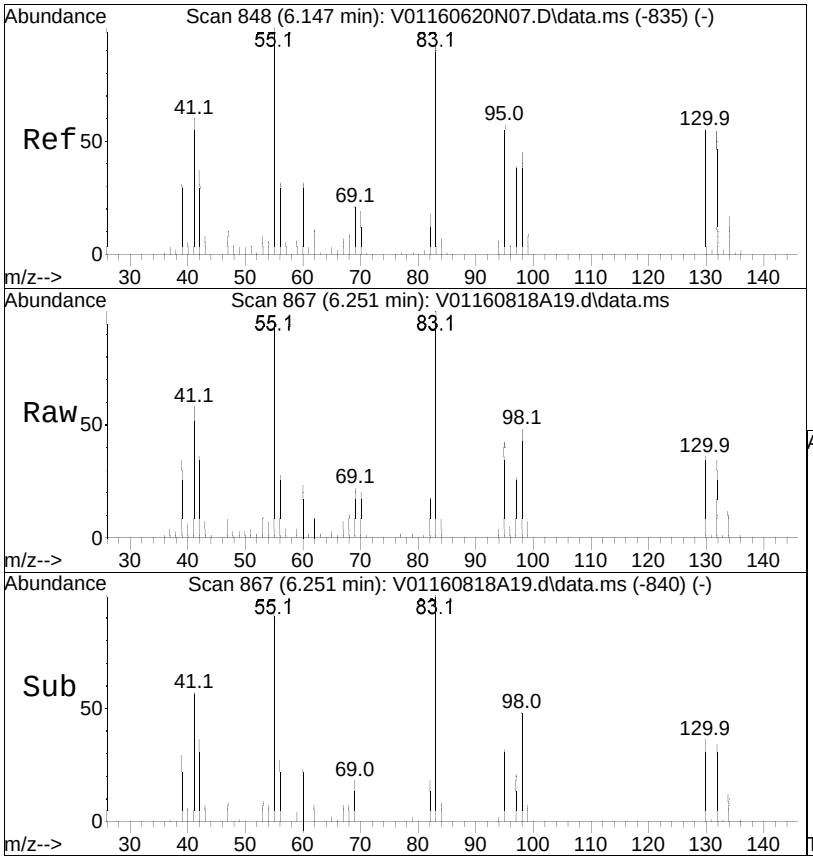


#44
1,2-Dichloroethane
Concen: 10.52 ug/L
RT: 5.847 min Scan# 793
Delta R.T. -0.005 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 62 Resp: 115669

Ion	Ratio	Lower	Upper
62	100		
64	31.9	12.2	52.2
98	7.5	0.0	28.3

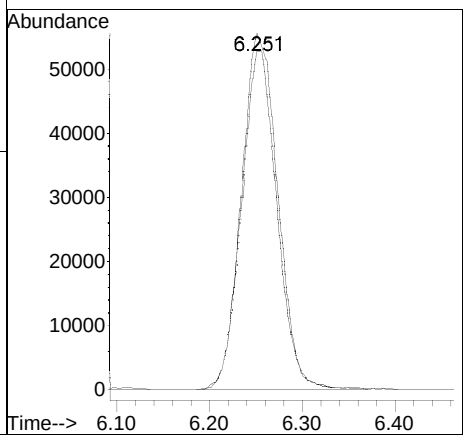


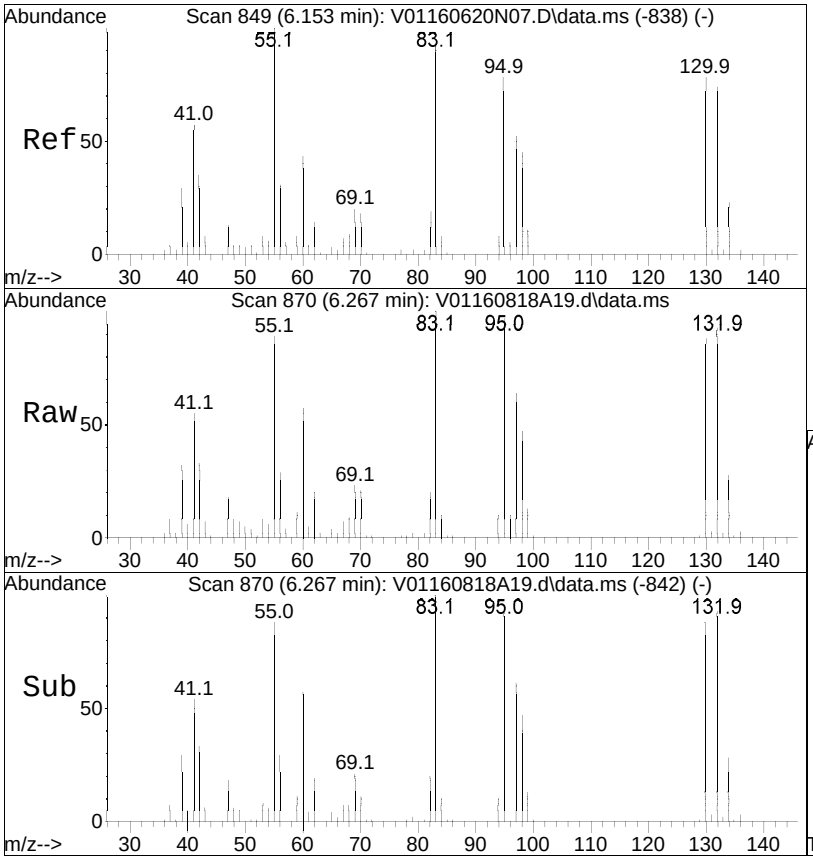


#47
Methyl cyclohexane
Concen: 9.97 ug/L
RT: 6.251 min Scan# 867
Delta R.T. -0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 83 Resp: 150165

Ion	Ratio	Lower	Upper
83	100		
55	92.8	74.0	111.0

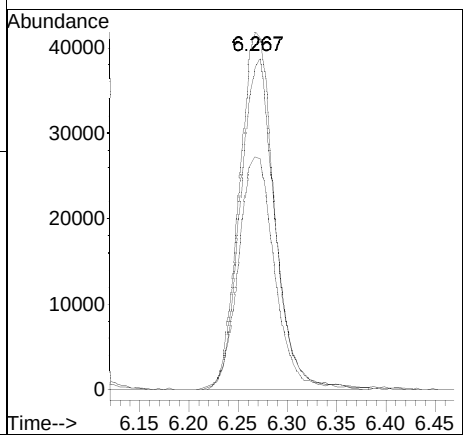


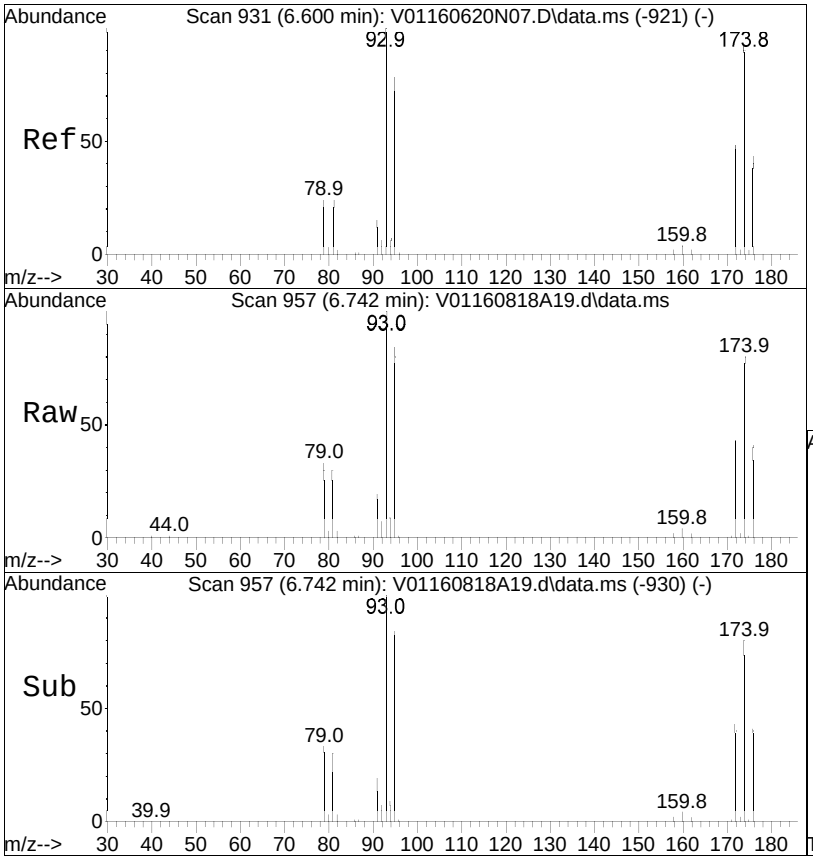


#48
Trichloroethene
Concen: 10.57 ug/L
RT: 6.267 min Scan# 870
Delta R.T. 0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 95 Resp: 104263

Ion	Ratio	Lower	Upper
95	100		
97	67.2	55.2	82.8
130	90.7	81.2	121.8

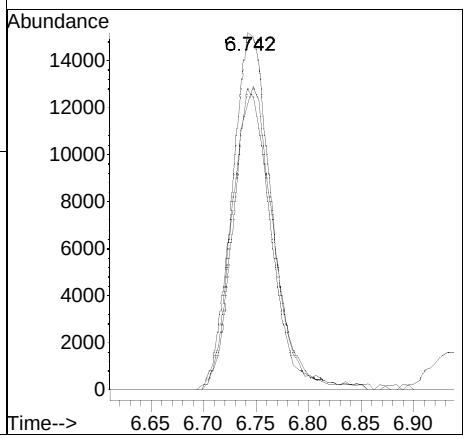


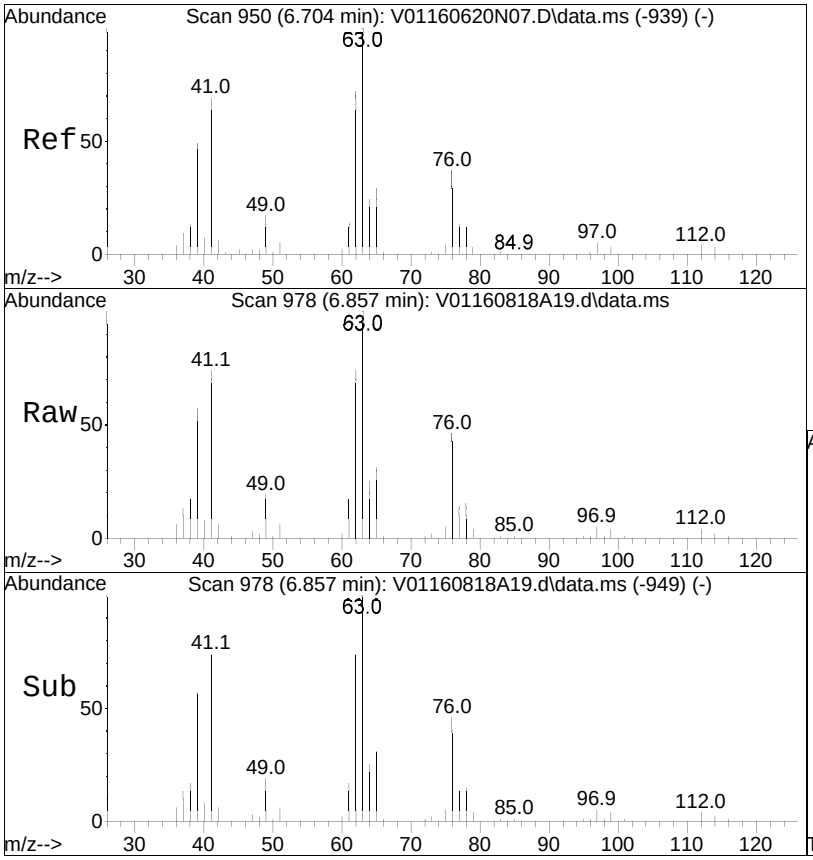


#50
Dibromomethane
Concen: 10.04 ug/L
RT: 6.742 min Scan# 957
Delta R.T. -0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 93 Resp: 39942

Ion	Ratio	Lower	Upper
93	100		
95	82.9	67.0	100.6
174	84.6	75.4	113.0

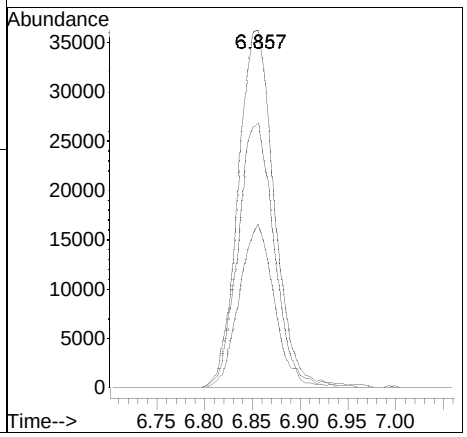


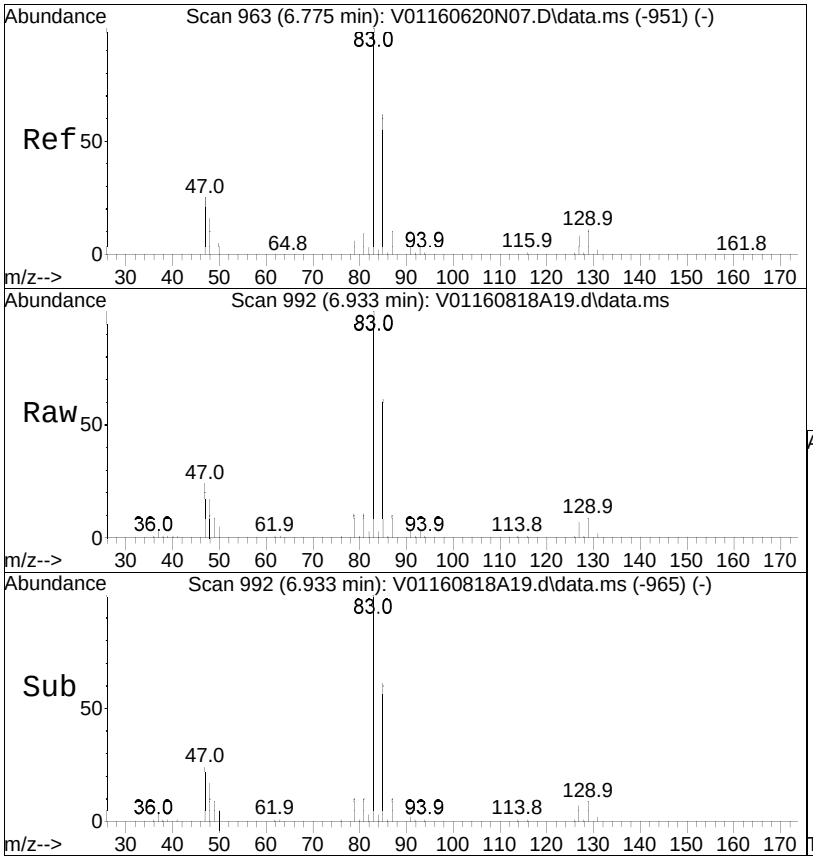


#51
1,2-Dichloropropane
Concen: 10.85 ug/L
RT: 6.857 min Scan# 978
Delta R.T. 0.006 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 63 Resp: 95138

Ion	Ratio	Lower	Upper
63	100		
62	73.9	56.9	85.3
76	44.2	33.3	49.9

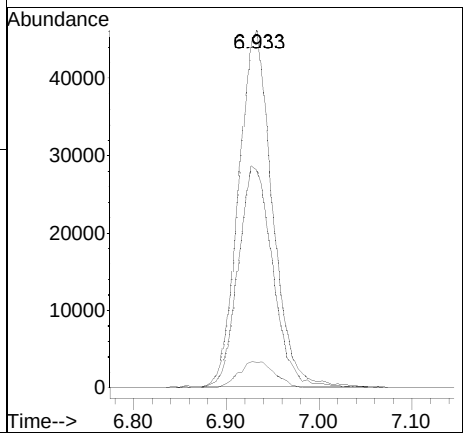


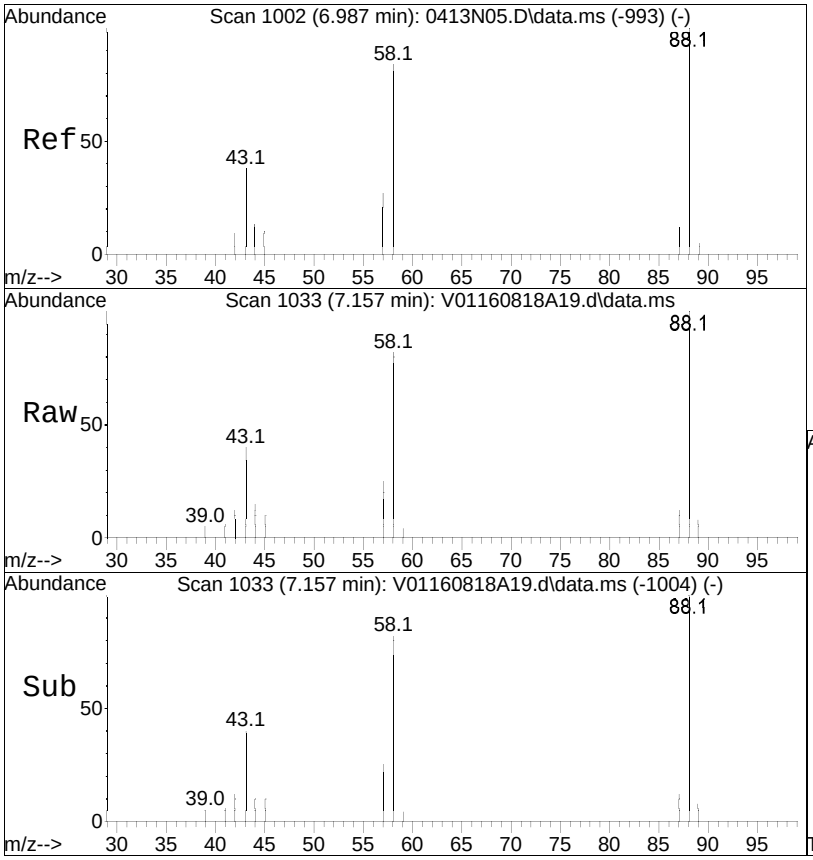


#54
Bromodichloromethane
Concen: 10.25 ug/L
RT: 6.933 min Scan# 992
Delta R.T. -0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 83 Resp: 114796

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.4	77.0
127	7.9	6.7	10.1

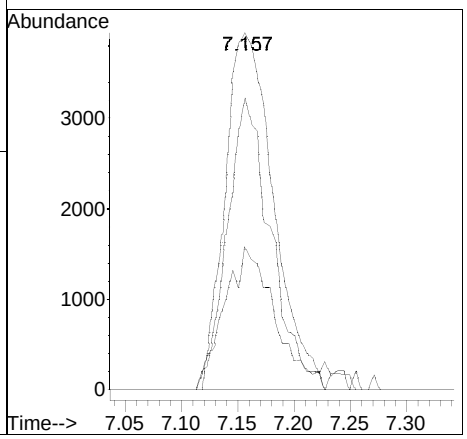


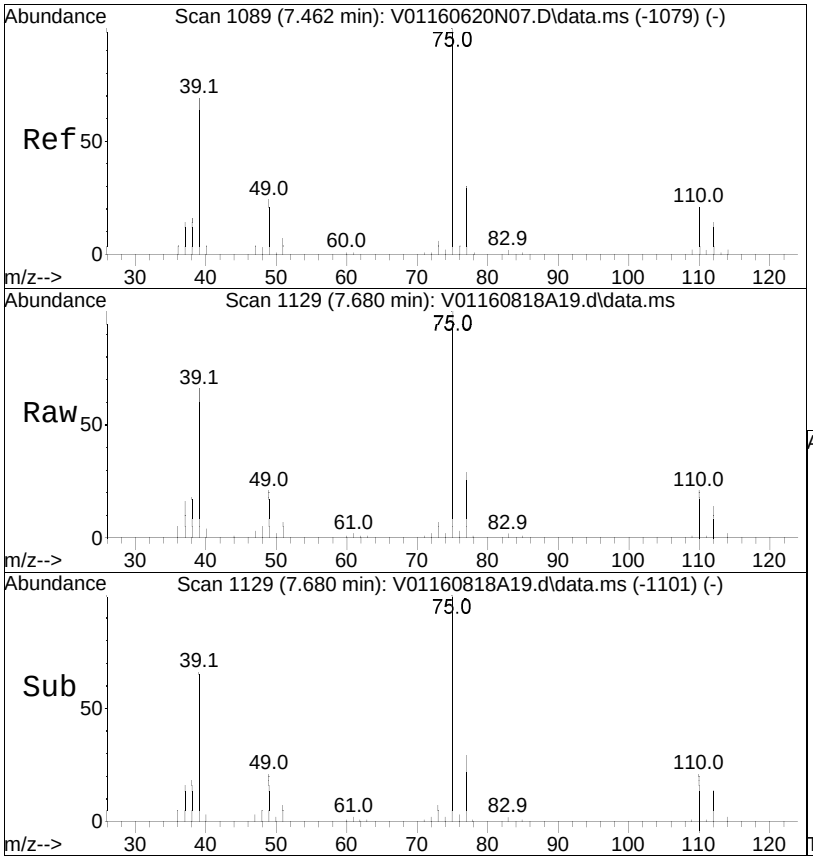


#57
1,4-Dioxane
Concen: 426.66 ug/L
RT: 7.157 min Scan# 1033
Delta R.T. 0.006 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 88 Resp: 12107

Ion	Ratio	Lower	Upper
88	100		
58	71.2	63.6	95.4
43	40.6	30.8	46.2

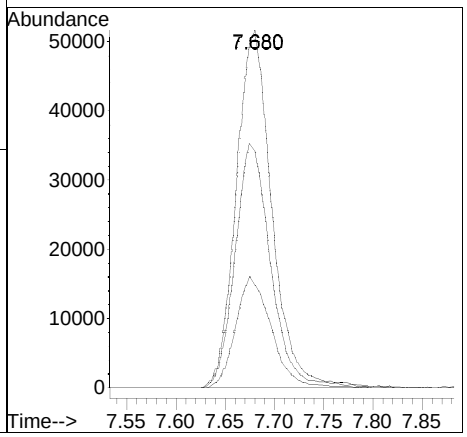


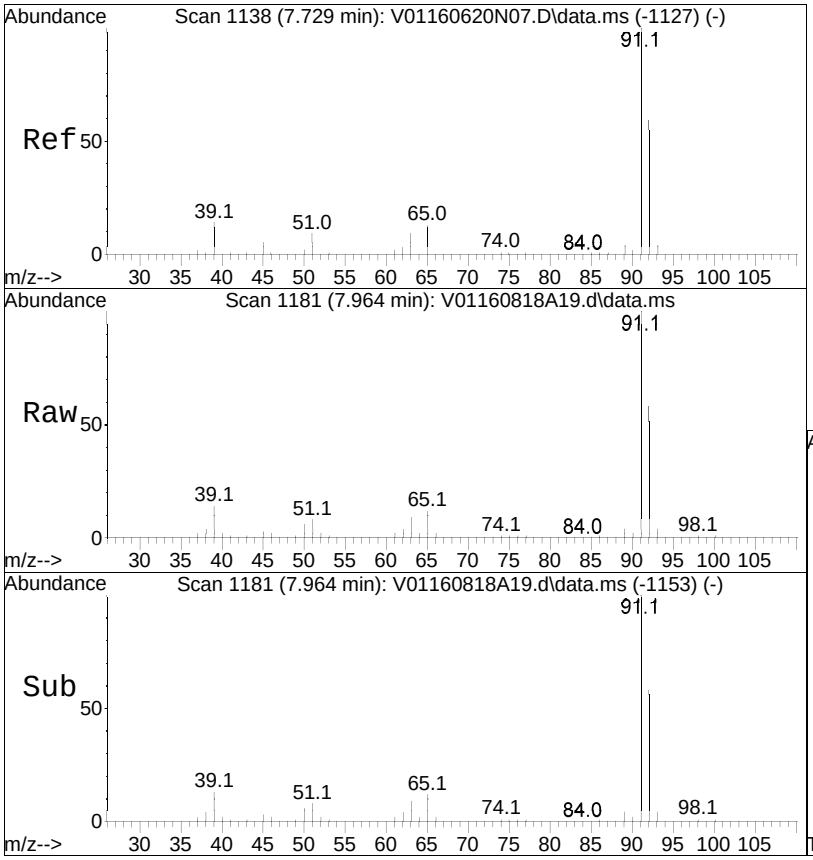


#58
cis-1,3-Dichloropropene
Concen: 10.17 ug/L
RT: 7.680 min Scan# 1129
Delta R.T. 0.005 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 75 Resp: 129050

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.4
39	68.3	56.1	84.1

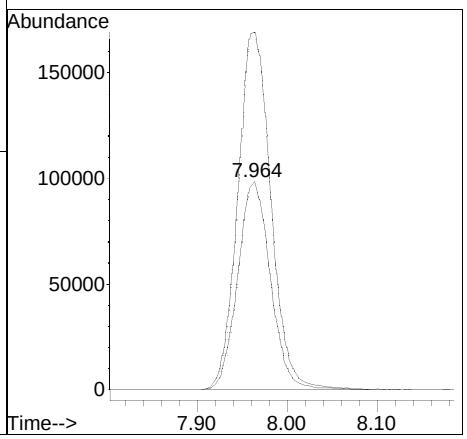


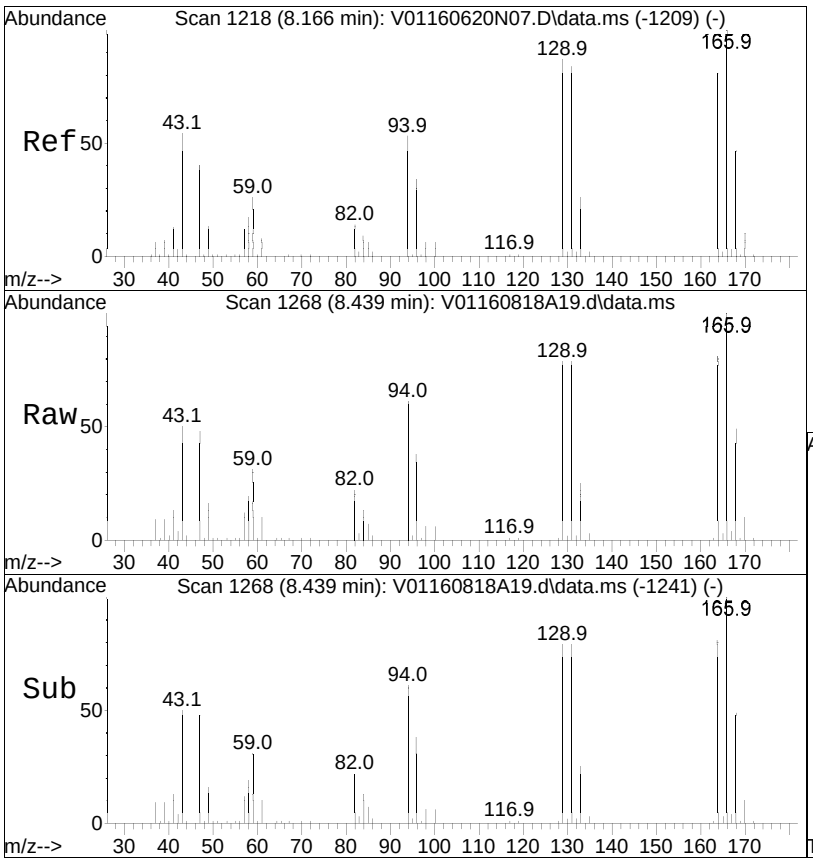


#61
Toluene
Concen: 10.83 ug/L
RT: 7.964 min Scan# 1181
Delta R.T. 0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 92 Resp: 247112

Ion	Ratio	Lower	Upper
92	100		
91	173.2	135.4	203.0

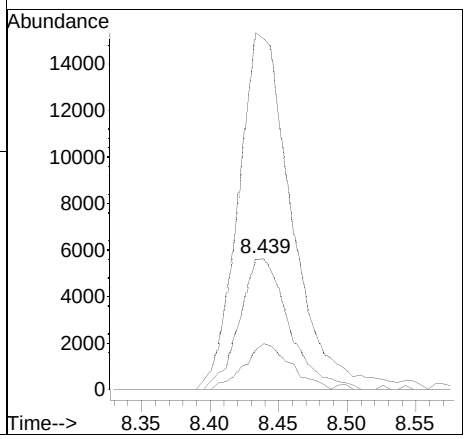


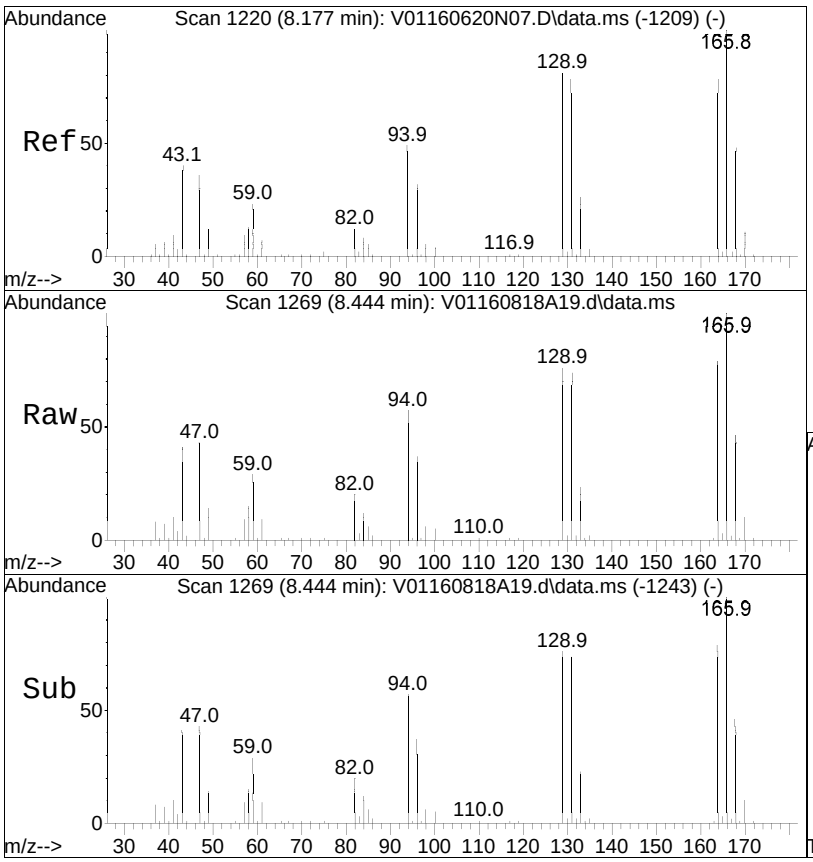


#62
4-Methyl-2-pentanone
Concen: 9.39 ug/L
RT: 8.439 min Scan# 1268
Delta R.T. -0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 58 Resp: 14177

Ion	Ratio	Lower	Upper
58	100		
100	33.0	28.1	42.1
43	292.9	251.4	377.2

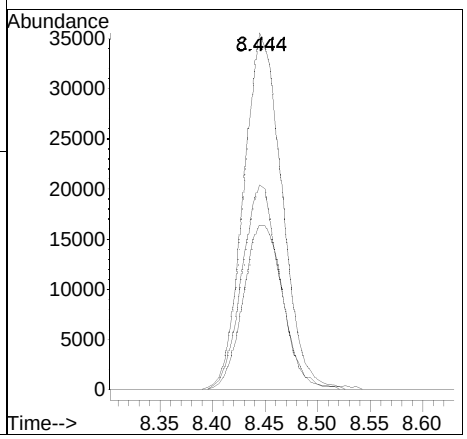


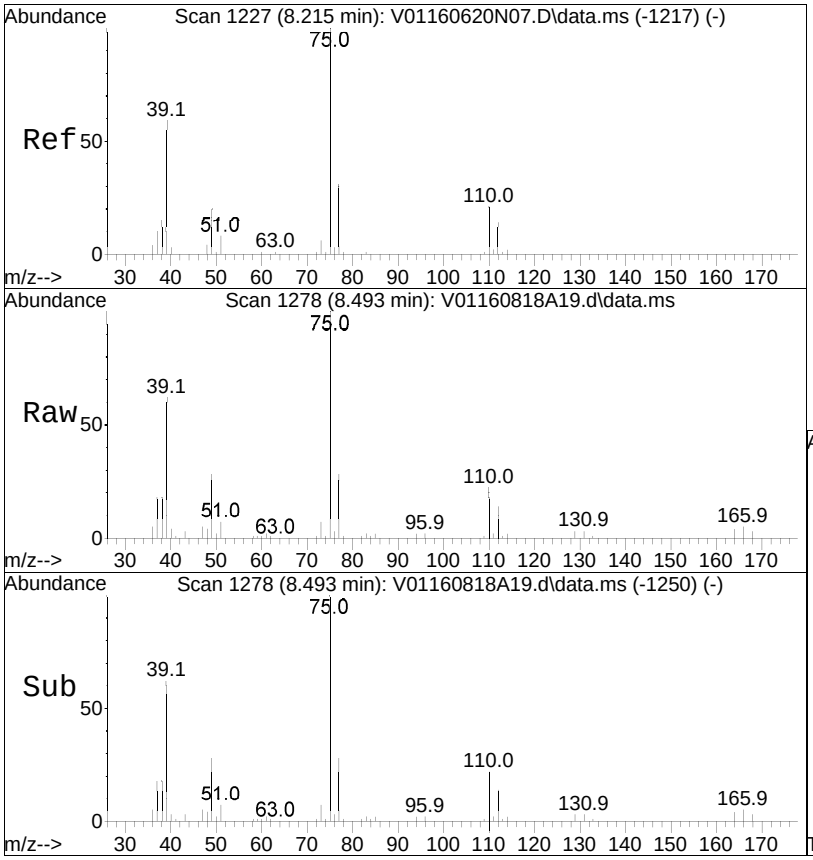


#63
Tetrachloroethene
Concen: 10.45 ug/L
RT: 8.444 min Scan# 1269
Delta R.T. -0.006 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:166 Resp: 90213

Ion	Ratio	Lower	Upper
166	100		
168	48.1	27.9	67.9
94	56.4	30.3	70.3

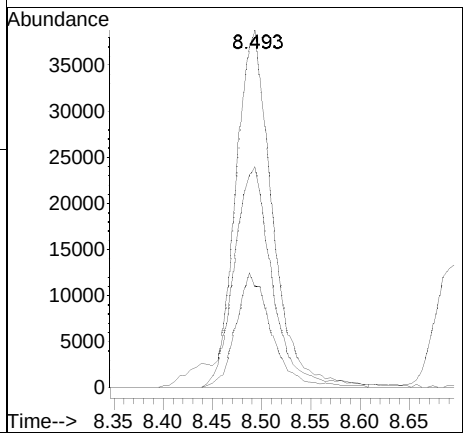


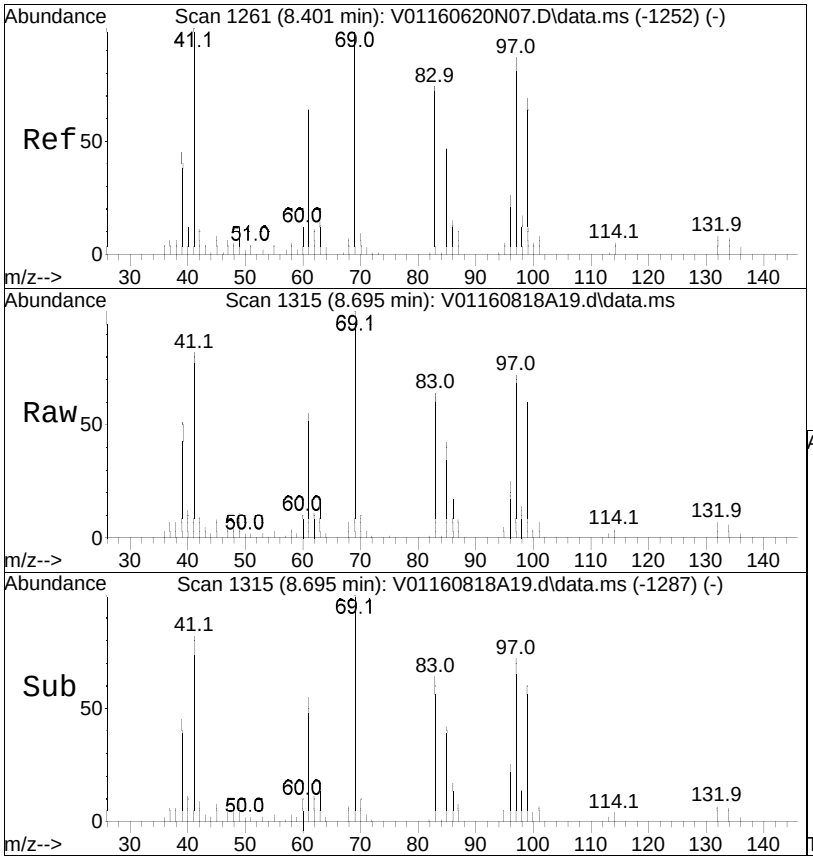


#65
trans-1,3-Dichloropropene
Concen: 9.96 ug/L
RT: 8.493 min Scan# 1278
Delta R.T. 0.005 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 75 Resp: 99910

Ion	Ratio	Lower	Upper
75	100		
77	31.5	11.2	51.2
39	69.3	52.3	92.3

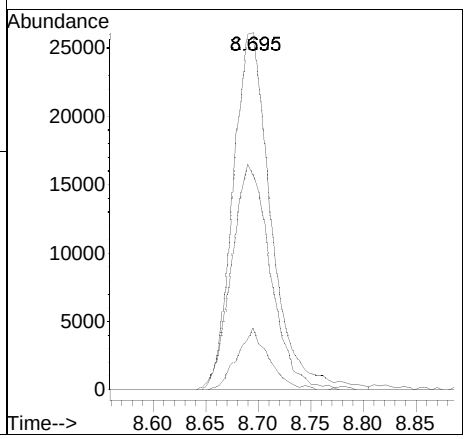


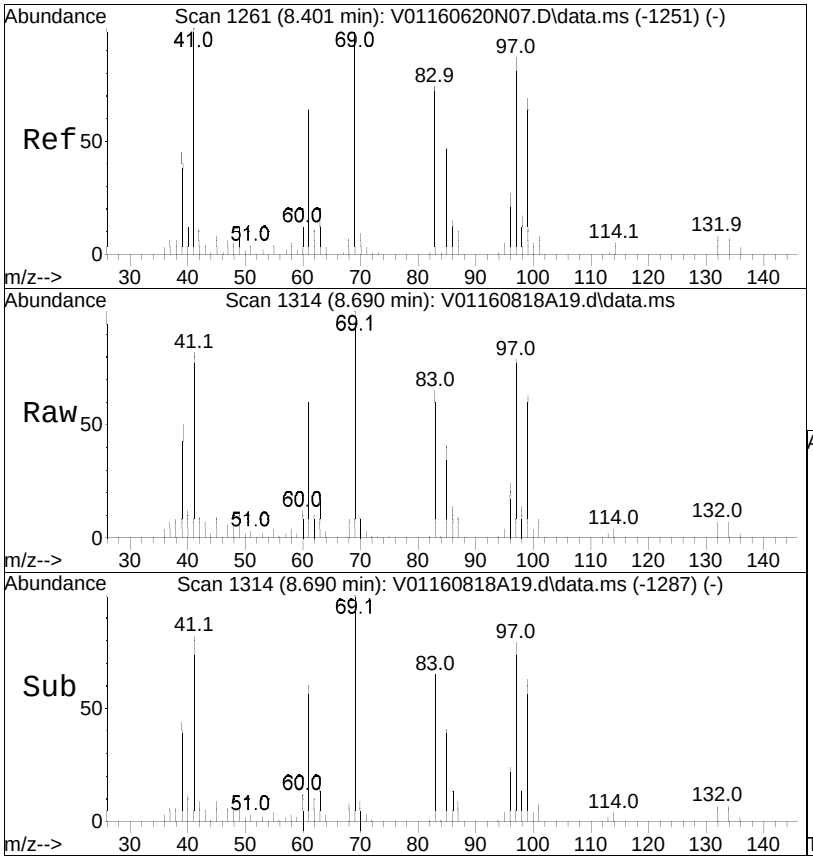


#67
Ethyl methacrylate
Concen: 9.98 ug/L
RT: 8.695 min Scan# 1315
Delta R.T. 0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 69 Resp: 65623

Ion	Ratio	Lower	Upper
69	100		
99	65.3	53.0	93.0
86	14.6	0.0	35.7

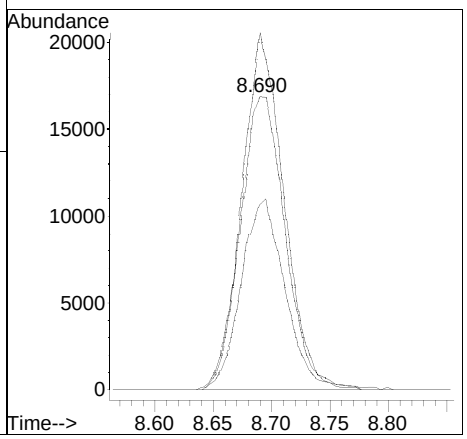


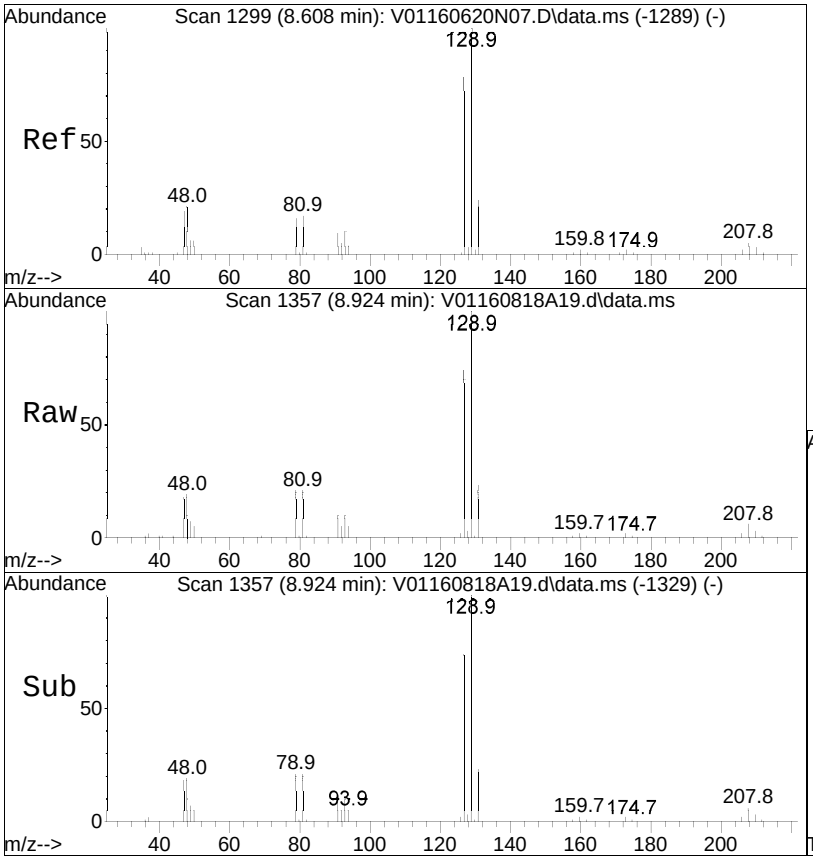


#68
1,1,2-Trichloroethane
Concen: 10.14 ug/L
RT: 8.690 min Scan# 1314
Delta R.T. -0.005 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 83 Resp: 45006

Ion	Ratio	Lower	Upper
83	100		
97	114.7	100.7	140.7
85	63.5	47.4	87.4

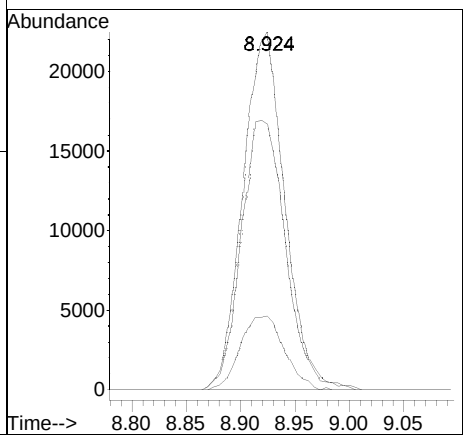


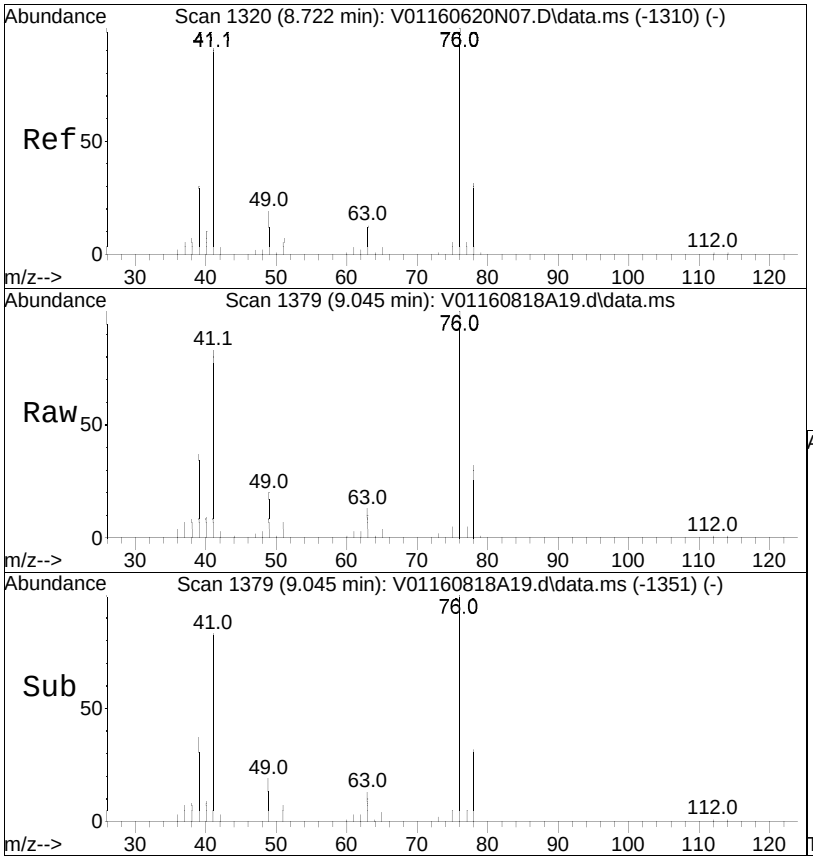


#69
Chlorodibromomethane
Concen: 9.58 ug/L
RT: 8.924 min Scan# 1357
Delta R.T. 0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:129 Resp: 59633

Ion	Ratio	Lower	Upper
129	100		
81	21.8	0.0	37.2
127	79.4	57.7	97.7

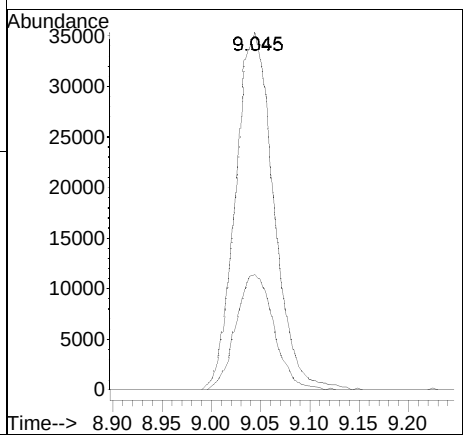


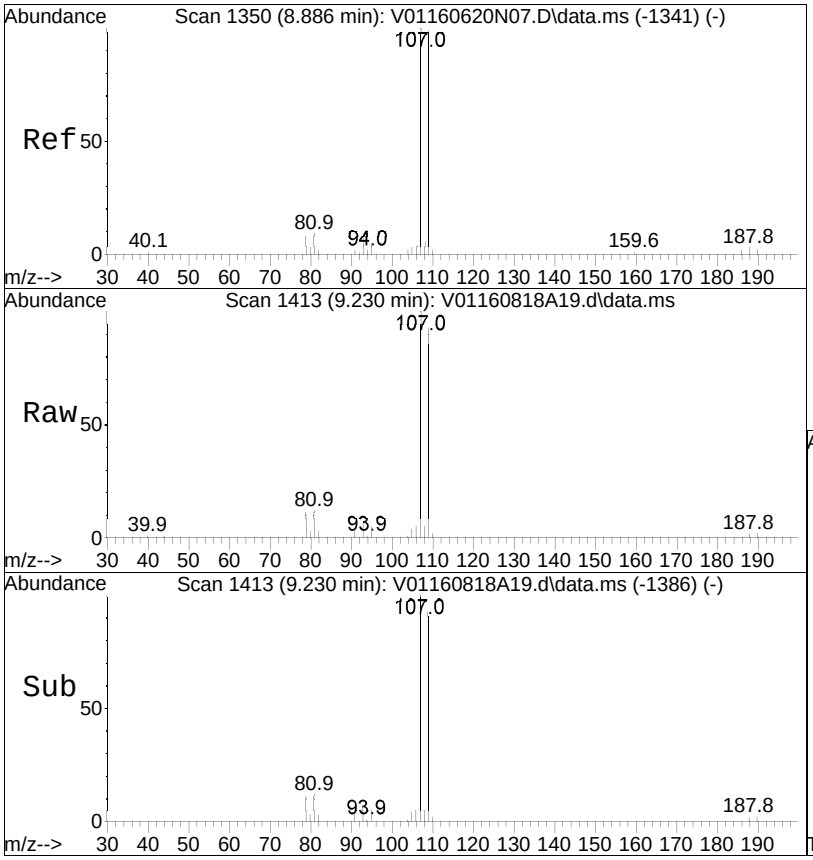


#70
1,3-Dichloropropane
Concen: 10.18 ug/L
RT: 9.045 min Scan# 1379
Delta R.T. 0.001 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 76 Resp: 94764

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.9	38.9

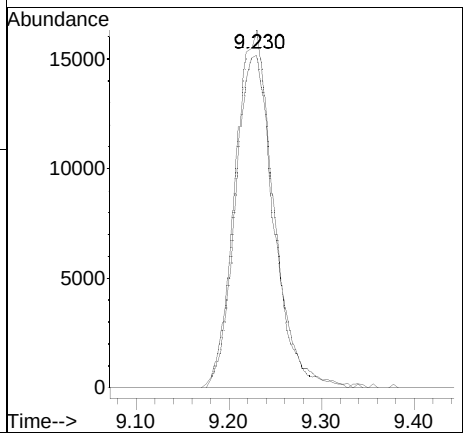


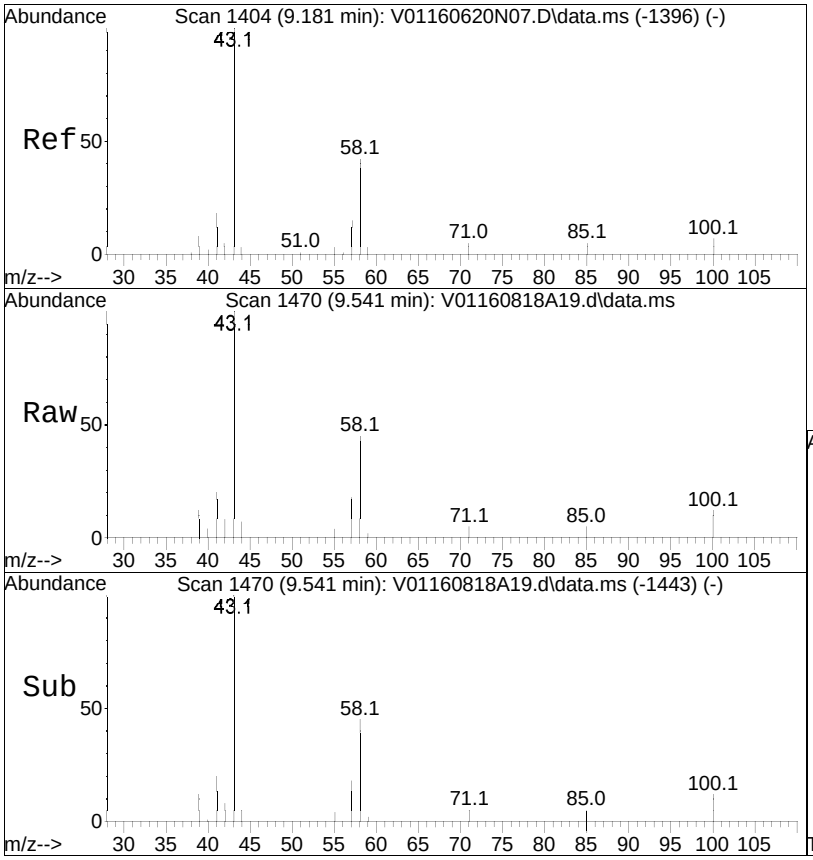


#71
1,2-Dibromoethane
Concen: 9.94 ug/L
RT: 9.230 min Scan# 1413
Delta R.T. 0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:107 Resp: 46937

Ion	Ratio	Lower	Upper
107	100		
109	91.6	75.8	113.6

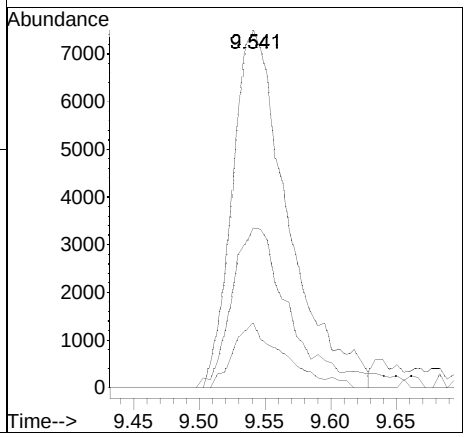


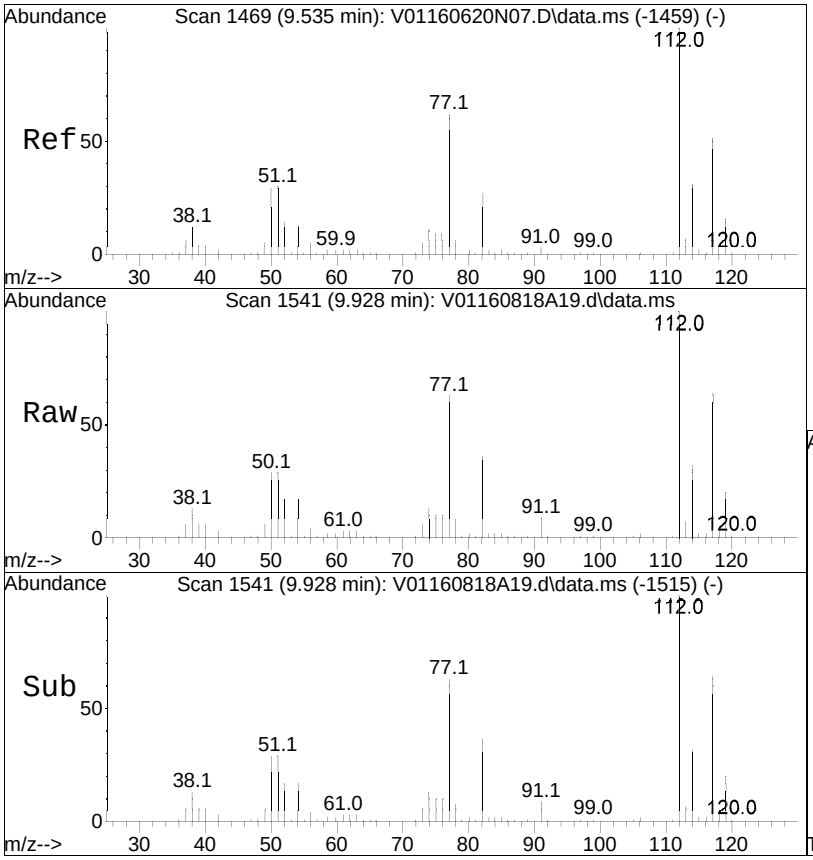


#72
2-Hexanone
Concen: 9.37 ug/L
RT: 9.541 min Scan# 1470
Delta R.T. -0.005 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 43 Resp: 22056

Ion	Ratio	Lower	Upper
43	100		
58	48.9	35.1	52.7
57	16.6	11.9	17.9

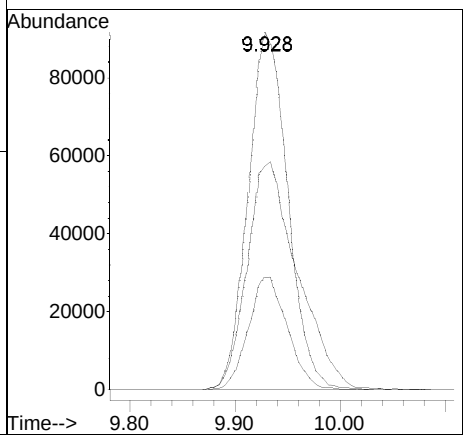


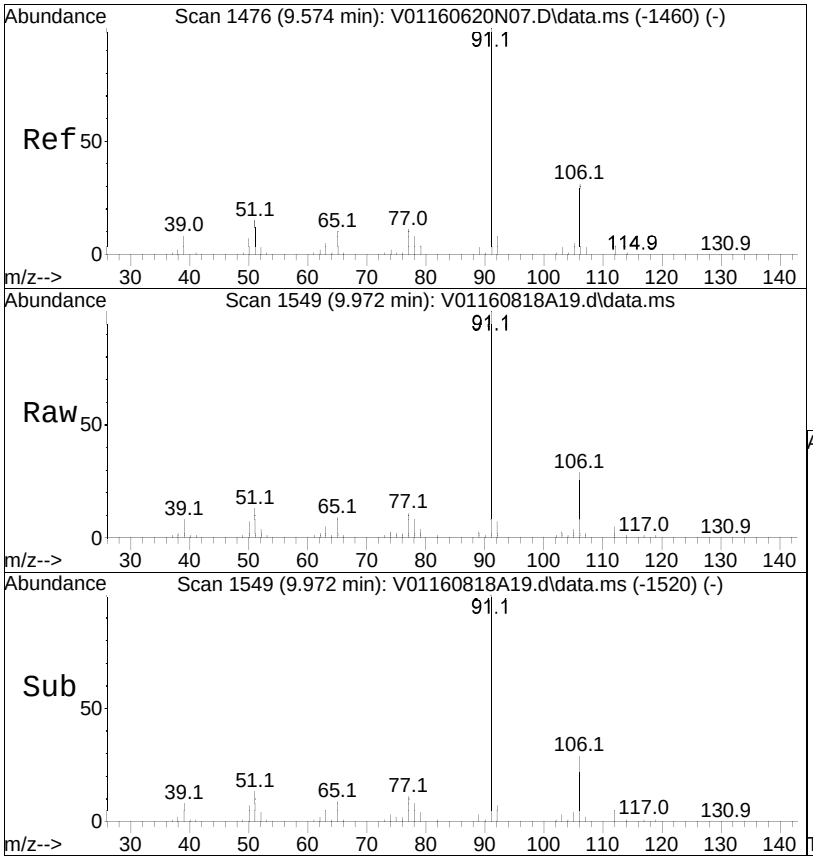


#73
Chlorobenzene
Concen: 10.26 ug/L
RT: 9.928 min Scan# 1541
Delta R.T. -0.006 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:112 Resp: 239860

Ion	Ratio	Lower	Upper
112	100		
77	80.9	60.7	91.1
114	31.3	25.9	38.9

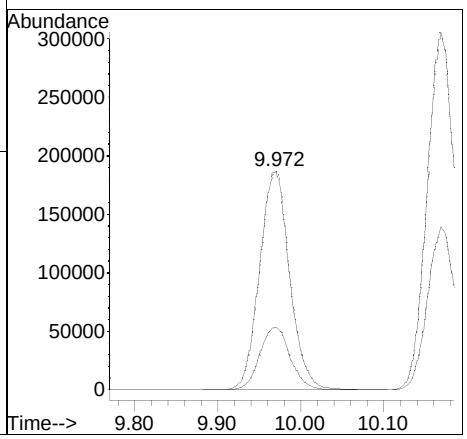


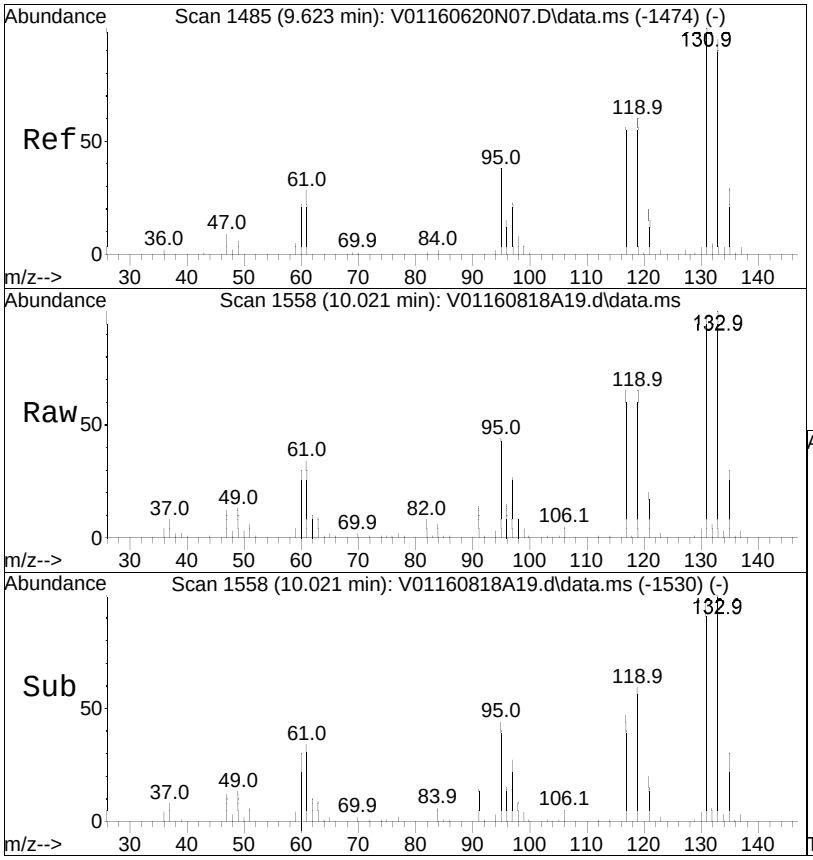


#74
Ethylbenzene
Concen: 10.39 ug/L
RT: 9.972 min Scan# 1549
Delta R.T. 0.006 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 91 Resp: 471232

Ion	Ratio	Lower	Upper
91	100		
106	29.0	24.8	37.2

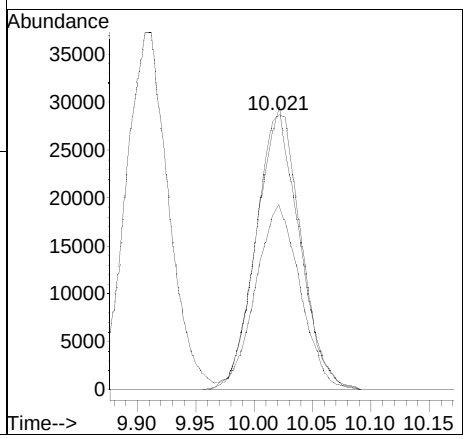


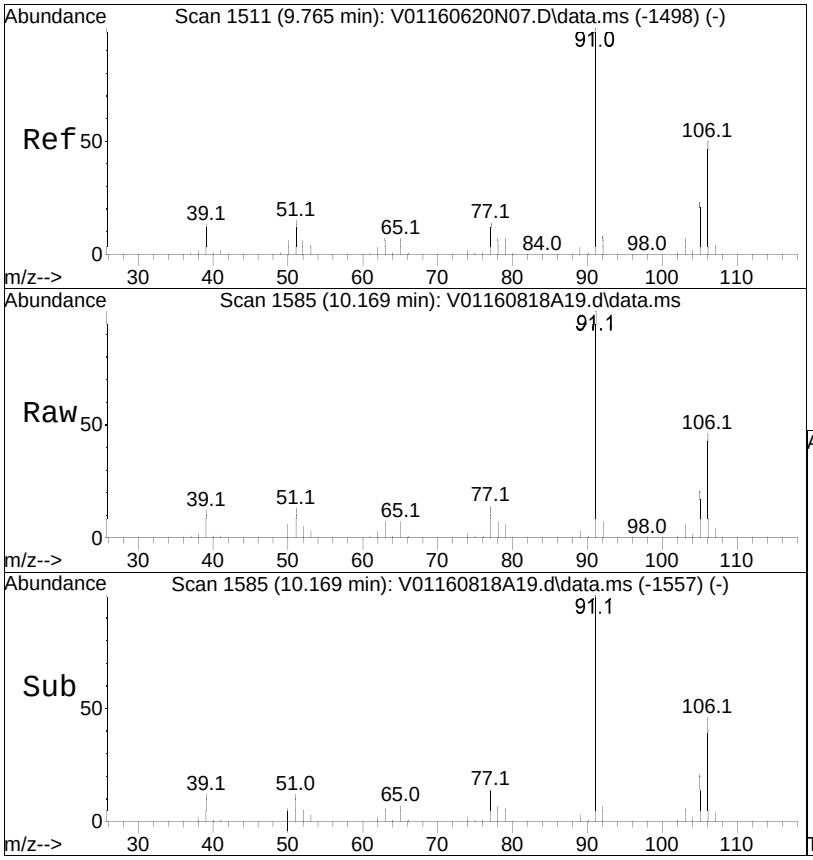


#75
1,1,1,2-Tetrachloroethane
Concen: 10.00 ug/L
RT: 10.021 min Scan# 1558
Delta R.T. 0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:131 Resp: 77848

Ion	Ratio	Lower	Upper
131	100		
133	96.1	74.2	114.2
119	66.0	45.3	85.3

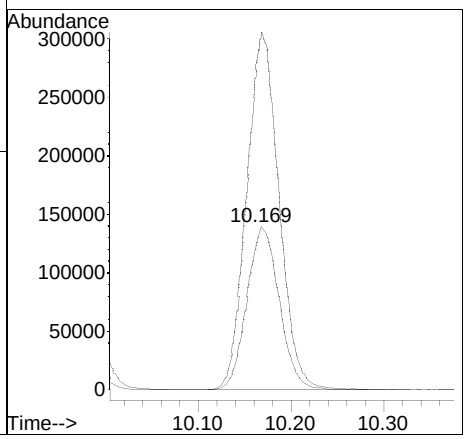


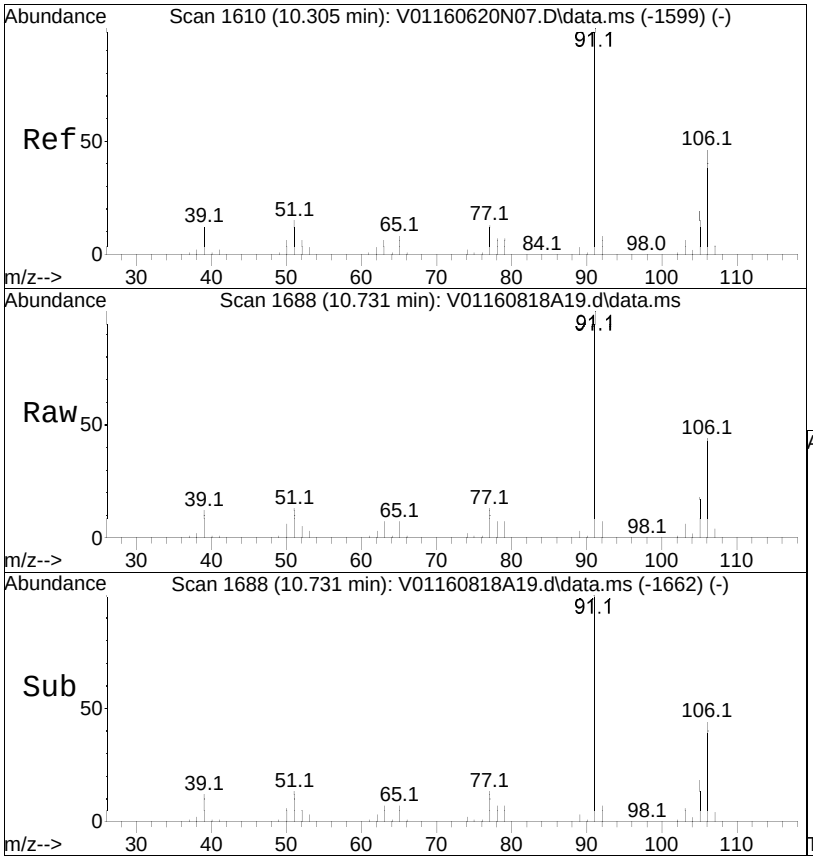


#76
p/m Xylene
Concen: 19.94 ug/L
RT: 10.169 min Scan# 1585
Delta R.T. 0.001 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:106 Resp: 335581

Ion	Ratio	Lower	Upper
106	100		
91	217.7	162.6	243.8

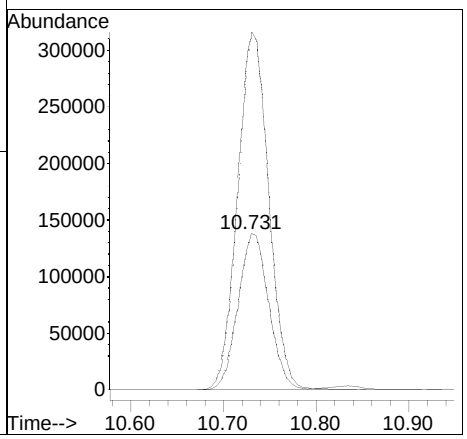


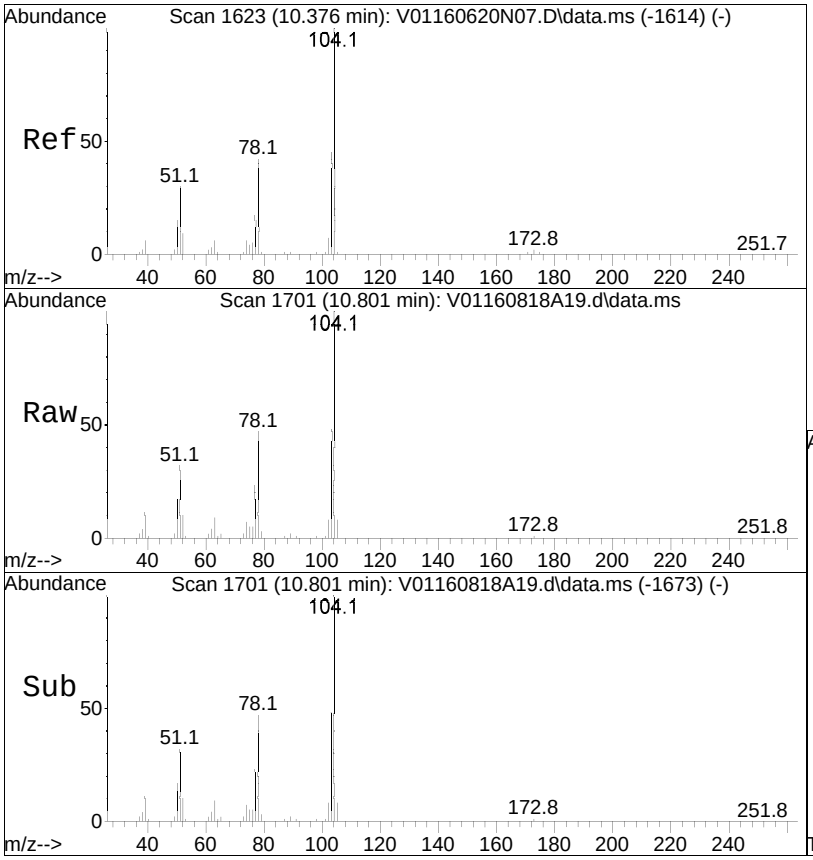


#77
o Xylene
Concen: 19.89 ug/L
RT: 10.731 min Scan# 1688
Delta R.T. -0.005 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:106 Resp: 317348

Ion	Ratio	Lower	Upper
106	100		
91	229.1	169.8	254.6

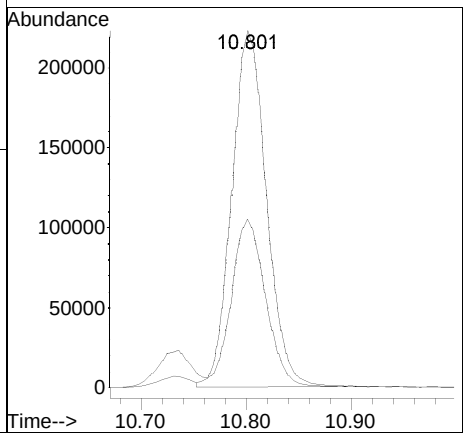


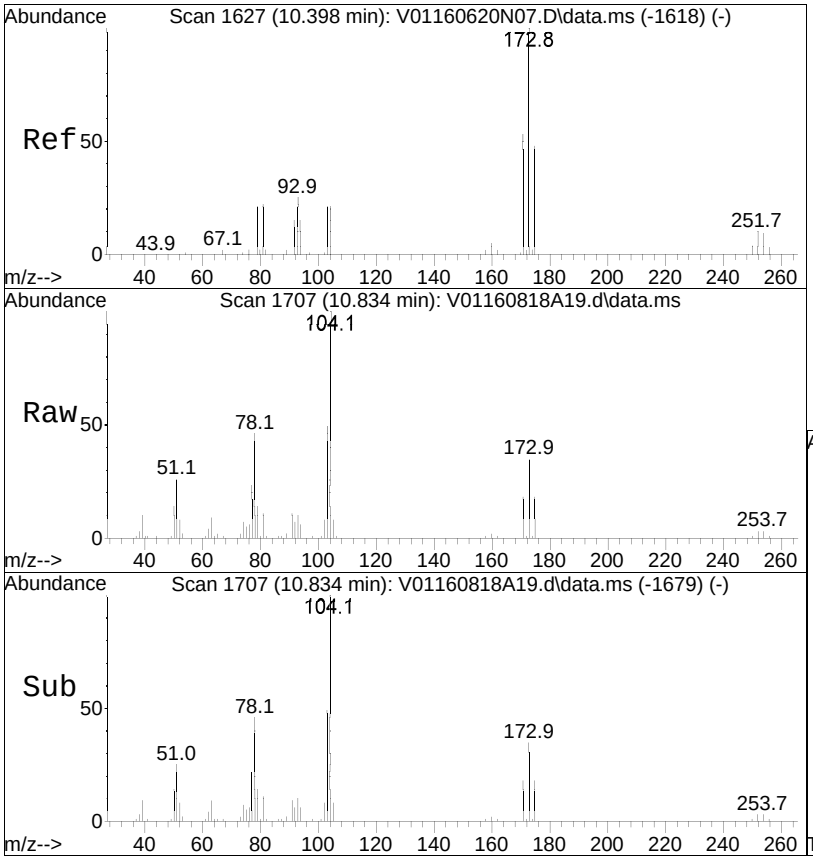


#78
Styrene
Concen: 19.26 ug/L
RT: 10.801 min Scan# 1701
Delta R.T. 0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:104 Resp: 509913

Ion	Ratio	Lower	Upper
104	100		
78	46.6	34.8	52.2

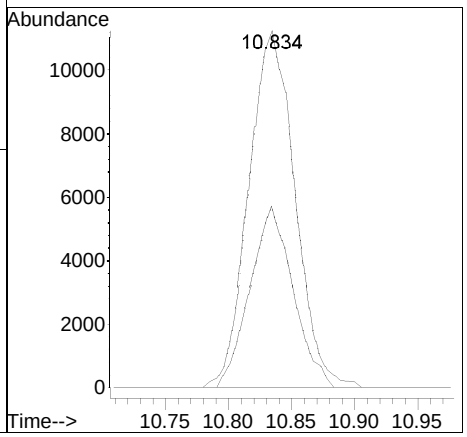


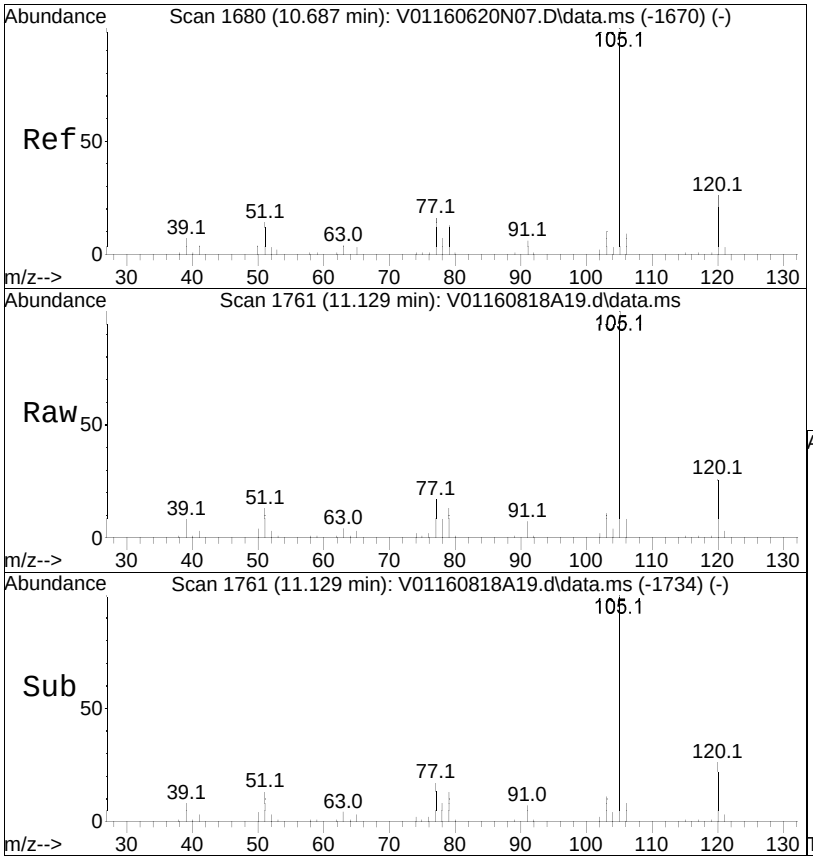


#80
Bromoform
Concen: 9.37 ug/L
RT: 10.834 min Scan# 1707
Delta R.T. 0.005 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:173 Resp: 28500

Ion	Ratio	Lower	Upper
173	100		
175	47.4	28.6	68.6

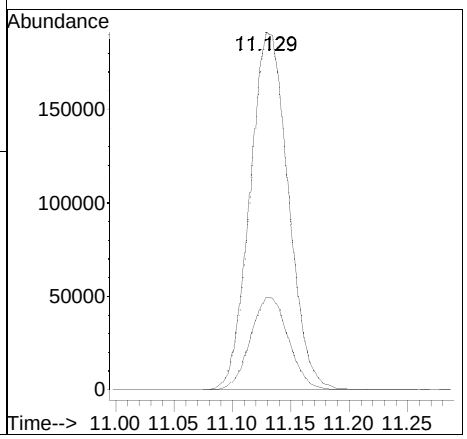


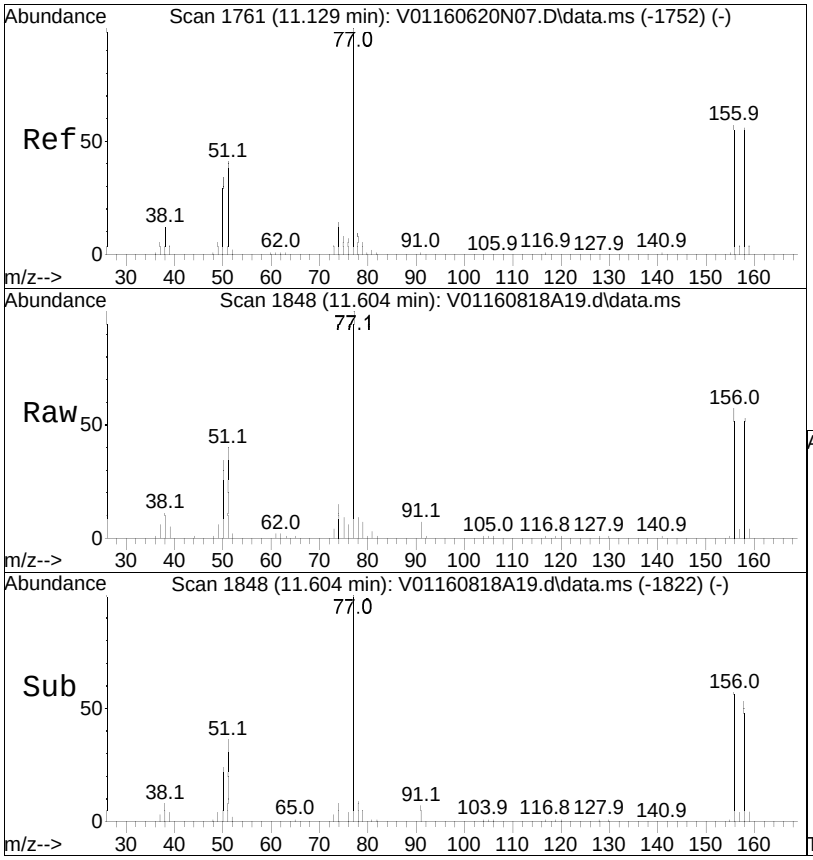


#82
Isopropylbenzene
Concen: 10.90 ug/L
RT: 11.129 min Scan# 1761
Delta R.T. -0.005 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:105 Resp: 431719

Ion	Ratio	Lower	Upper
105	100		
120	25.8	6.4	46.4

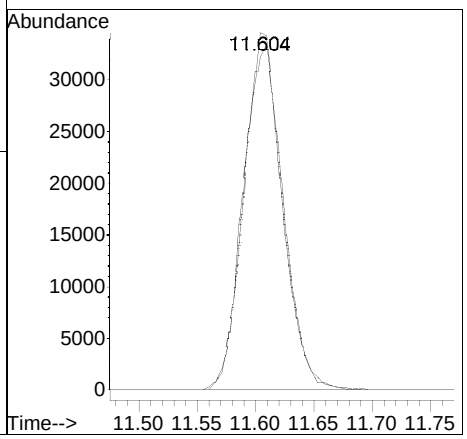


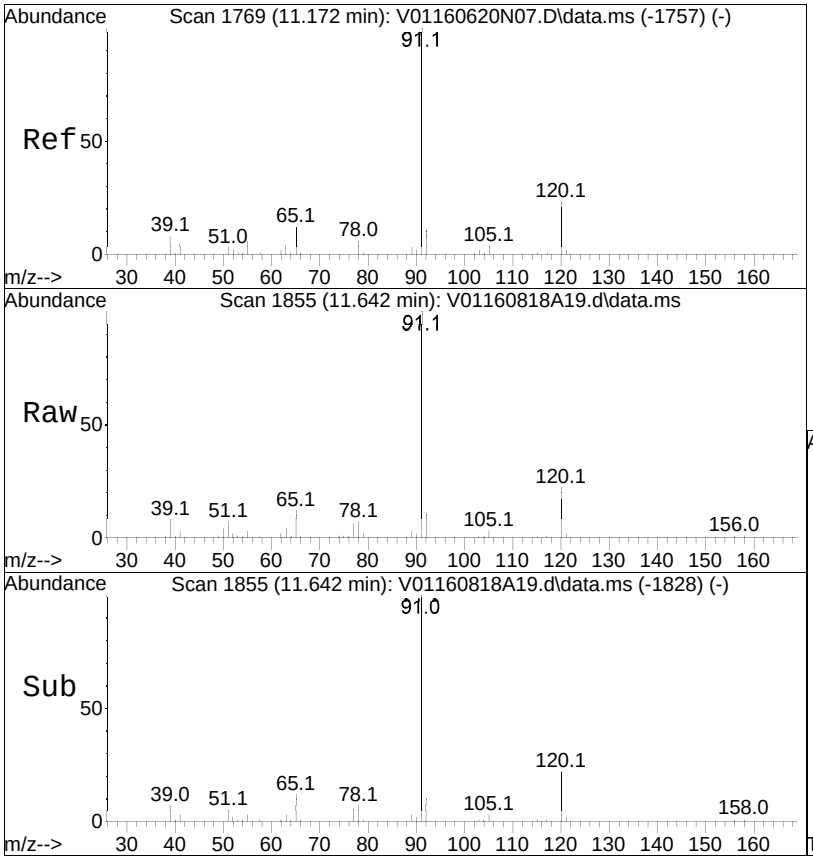


#84
Bromobenzene
Concen: 10.52 ug/L
RT: 11.604 min Scan# 1848
Delta R.T. -0.005 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:156 Resp: 80472

Ion	Ratio	Lower	Upper
156	100		
158	95.8	77.4	116.2

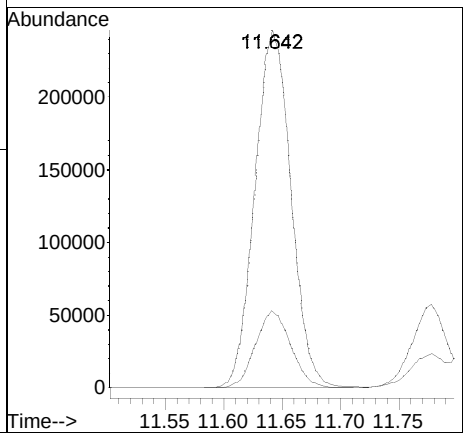


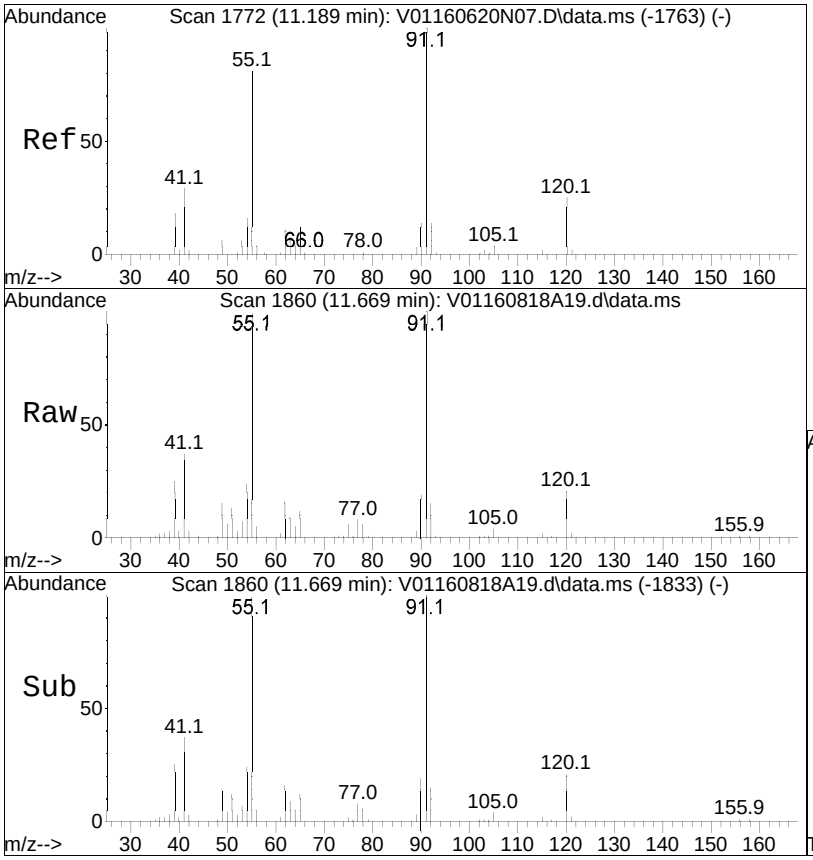


#85
n-Propylbenzene
Concen: 10.84 ug/L
RT: 11.642 min Scan# 1855
Delta R.T. -0.005 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 91 Resp: 525023

Ion	Ratio	Lower	Upper
91	100		
120	21.2	18.6	28.0

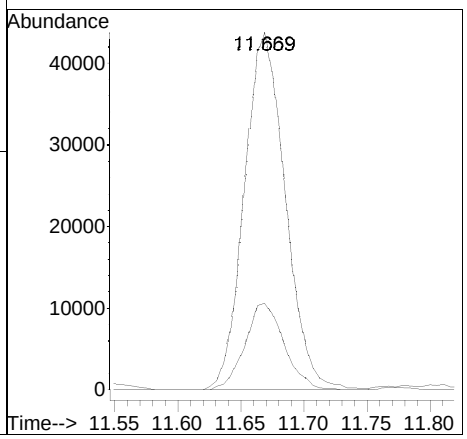


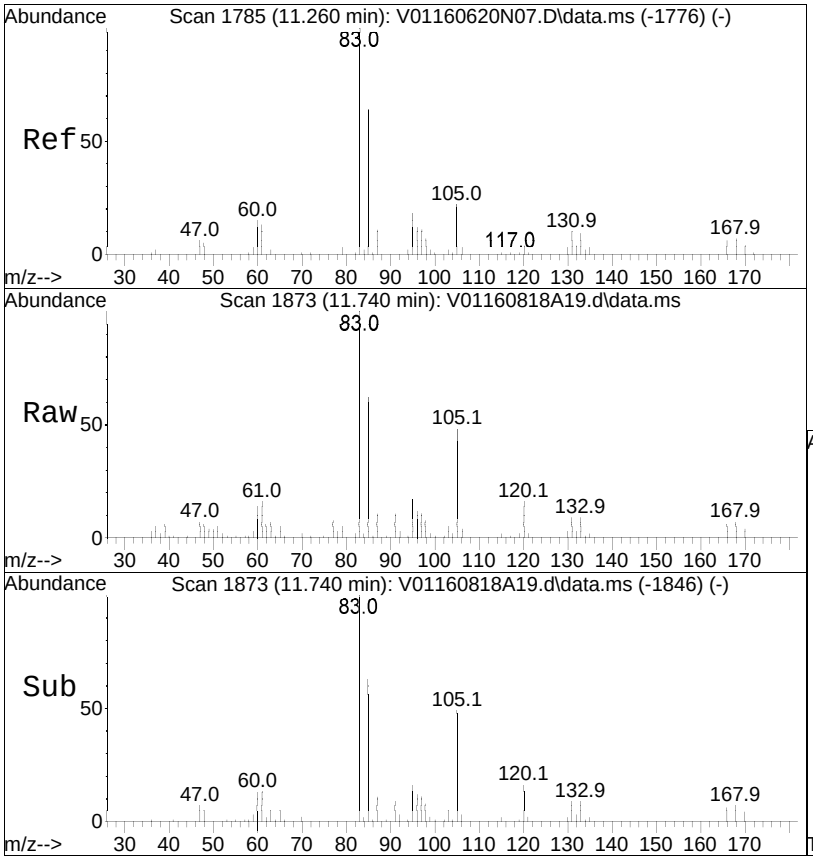


#86
1,4-Dichlorobutane
Concen: 10.64 ug/L
RT: 11.669 min Scan# 1860
Delta R.T. 0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 55 Resp: 98198

Ion	Ratio	Lower	Upper
55	100		
54	23.3	17.6	26.4

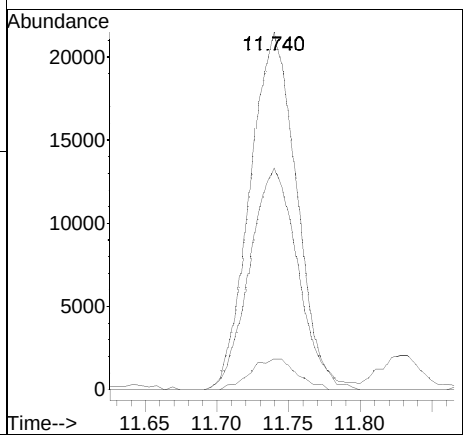


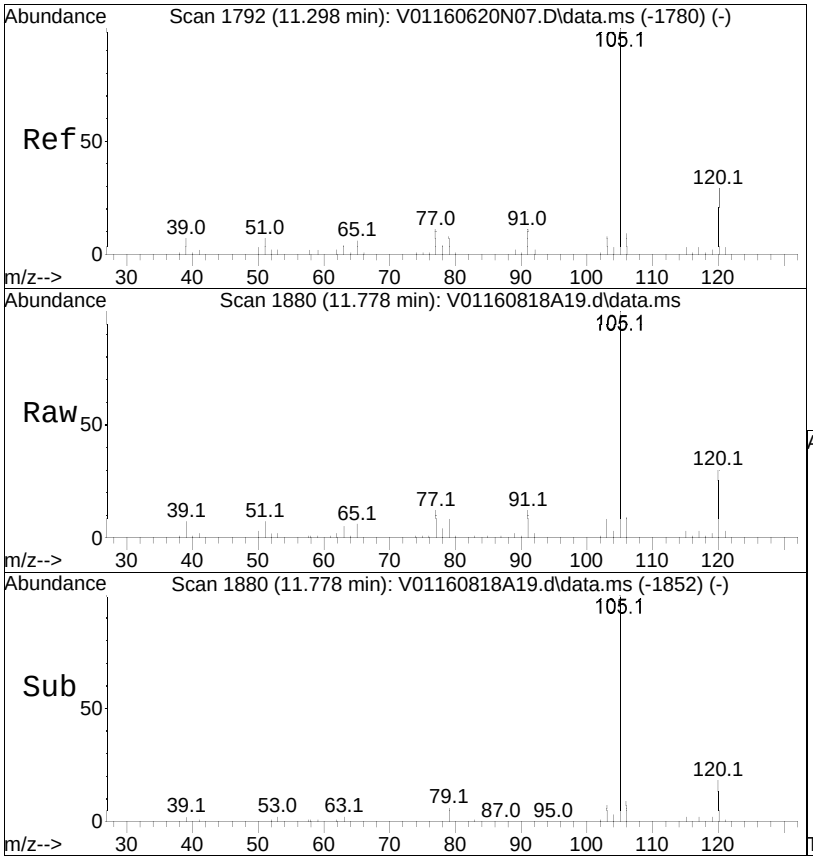


#87
1,1,2,2-Tetrachloroethane
Concen: 10.47 ug/L
RT: 11.740 min Scan# 1873
Delta R.T. -0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 83 Resp: 48045

Ion	Ratio	Lower	Upper
83	100		
131	8.8	0.0	30.2
85	65.3	45.4	85.4

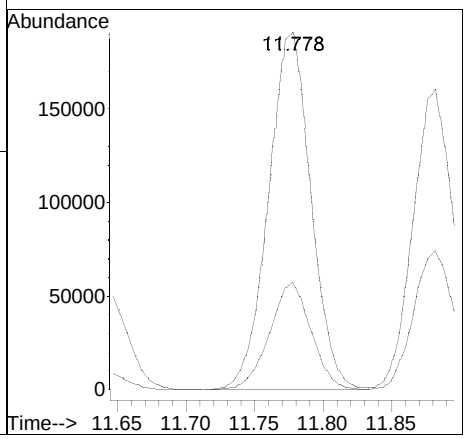


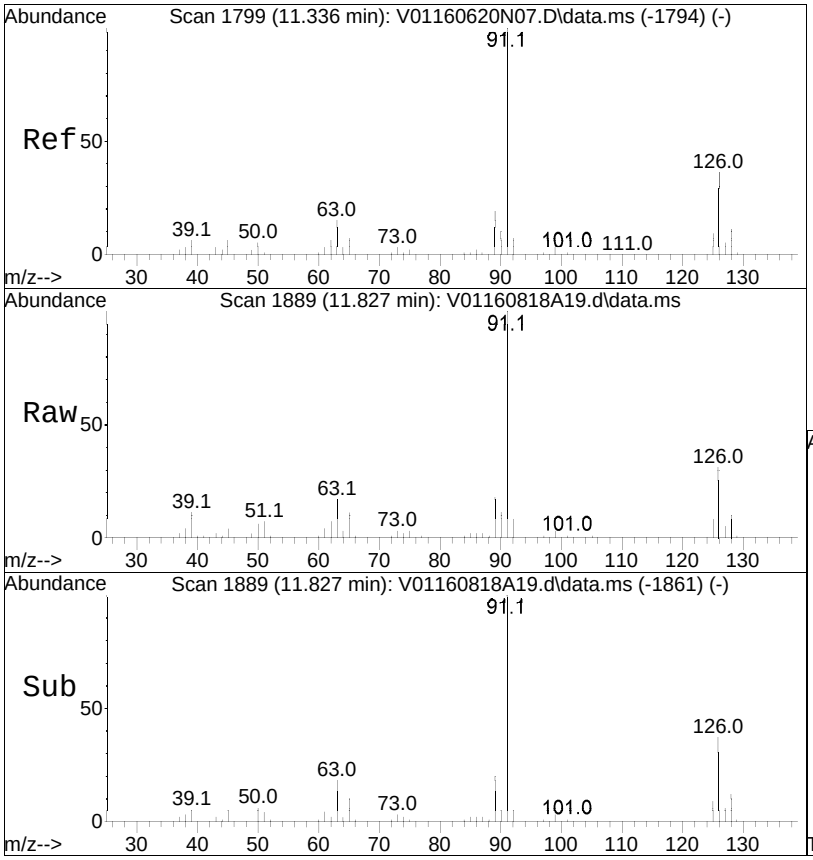


#88
4-Ethyltoluene
Concen: 10.67 ug/L
RT: 11.778 min Scan# 1880
Delta R.T. 0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:105 Resp: 410982

Ion	Ratio	Lower	Upper
105	100		
120	29.4	19.0	39.6

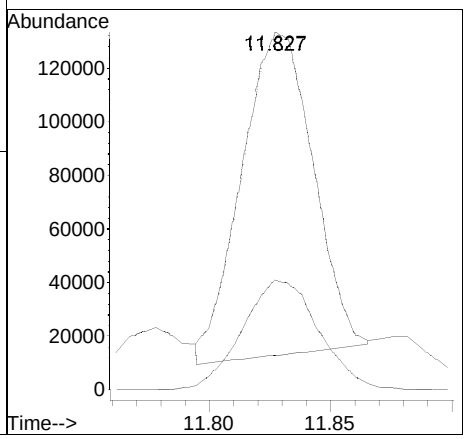


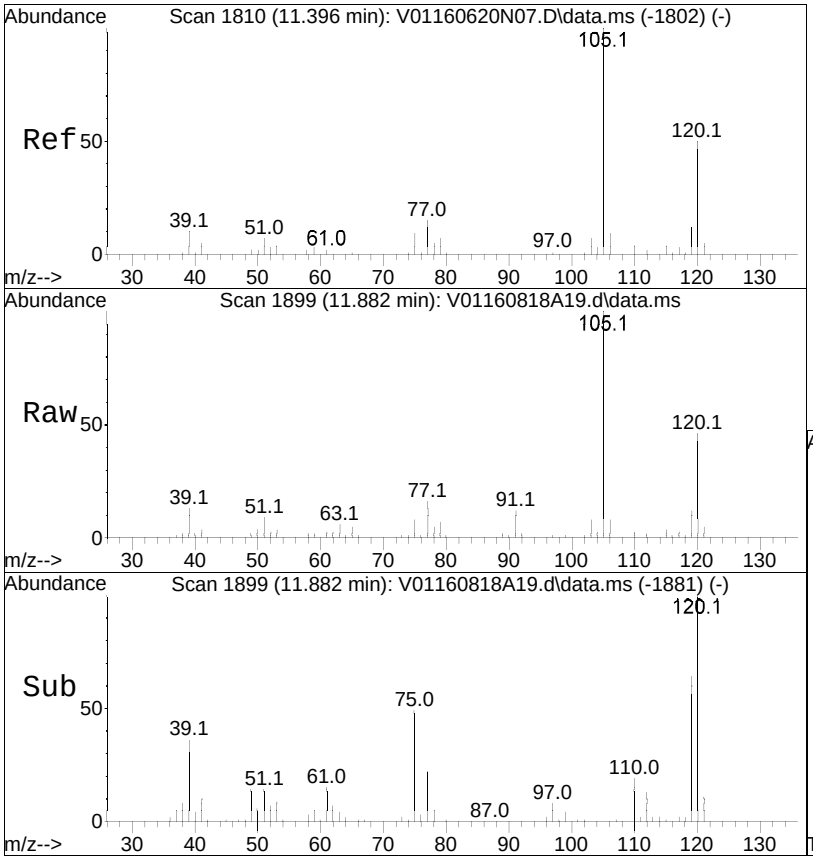


#89
2-Chlorotoluene
Concen: 8.61 ug/L
RT: 11.827 min Scan# 1889
Delta R.T. 0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 91 Resp: 246251

Ion	Ratio	Lower	Upper
91	100		
126	36.7	27.2	40.8

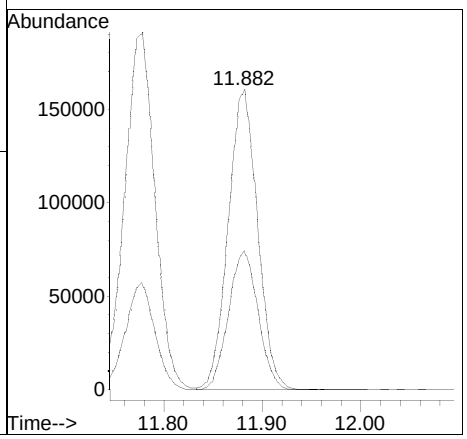


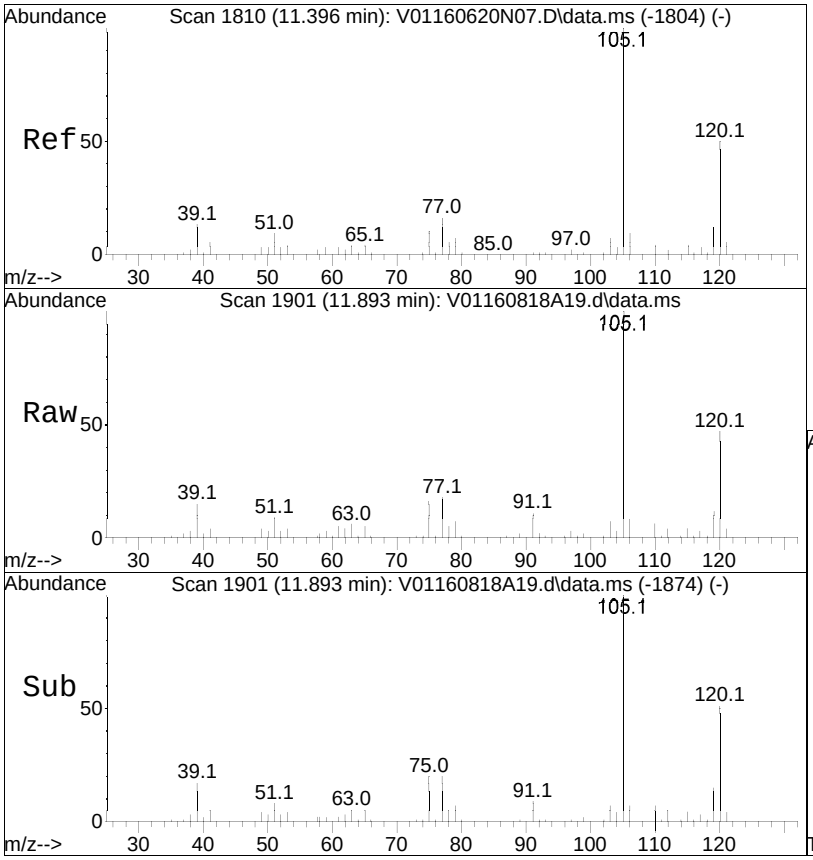


#90
1,3,5-Trimethylbenzene
Concen: 10.52 ug/L
RT: 11.882 min Scan# 1899
Delta R.T. -0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:105 Resp: 333771

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.4	35.2#

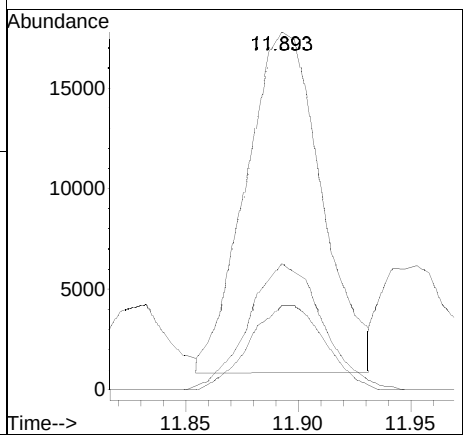


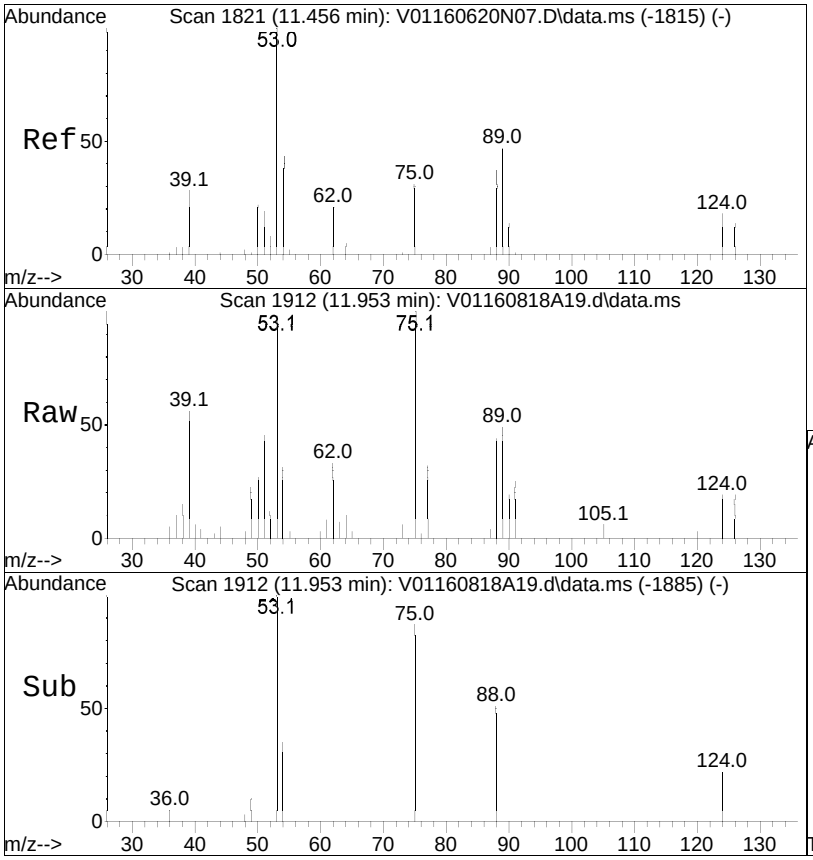


#91
1,2,3-Trichloropropane
Concen: 9.52 ug/L
RT: 11.893 min Scan# 1901
Delta R.T. -0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 75 Resp: 39537

Ion	Ratio	Lower	Upper
75	100		
110	36.2	23.1	48.1
112	24.5	15.4	32.0

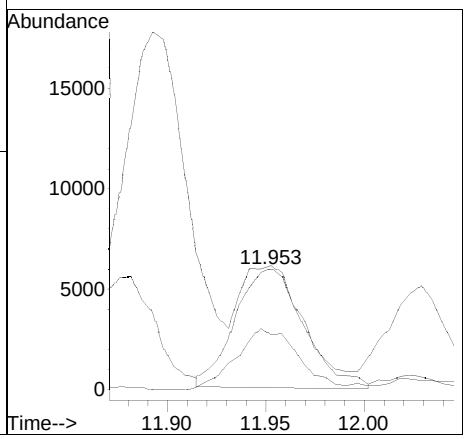


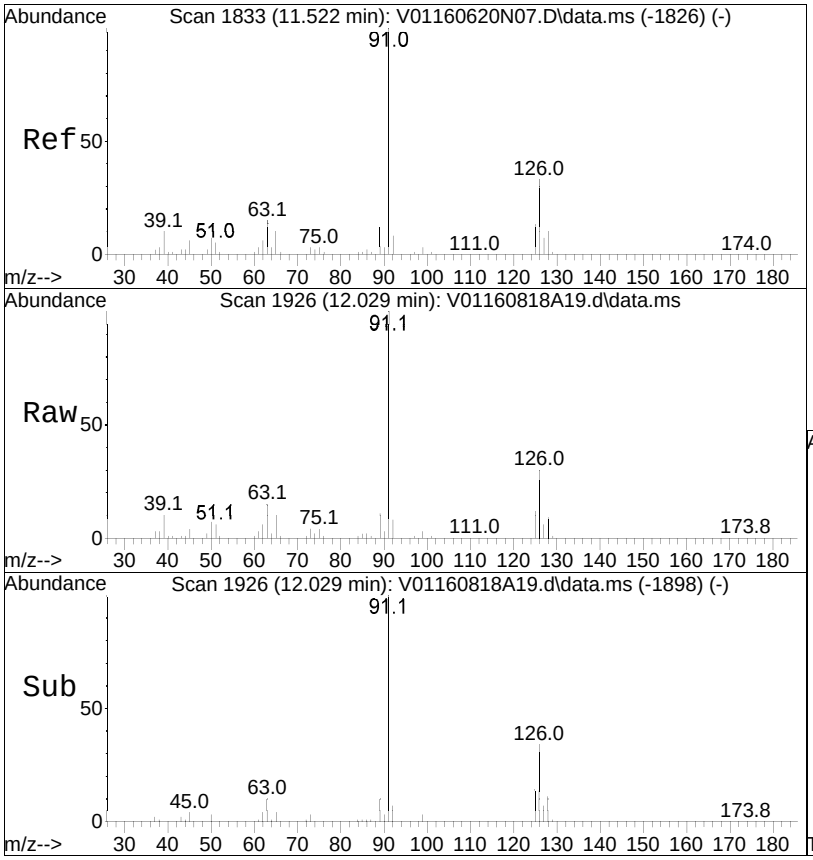


#92
trans-1,4-Dichloro-2-butene
Concen: 9.42 ug/L
RT: 11.953 min Scan# 1912
Delta R.T. -0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 53 Resp: 14094

Ion	Ratio	Lower	Upper
53	100		
88	47.5	30.2	45.4#
75	80.5	74.6	111.8

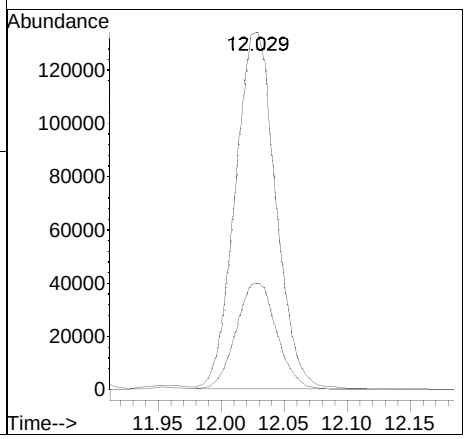


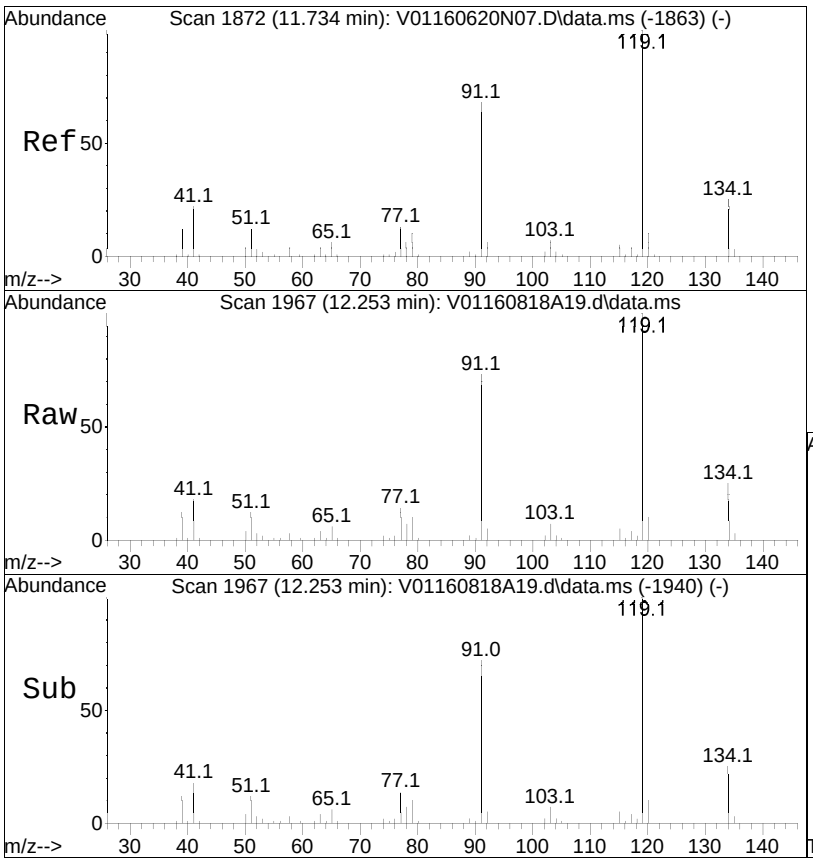


#93
4-Chlorotoluene
Concen: 10.70 ug/L
RT: 12.029 min Scan# 1926
Delta R.T. 0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 91 Resp: 295794

Ion	Ratio	Lower	Upper
91	100		
126	30.1	0.0	0.0#

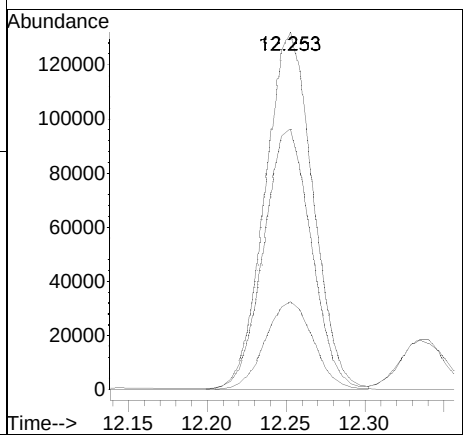


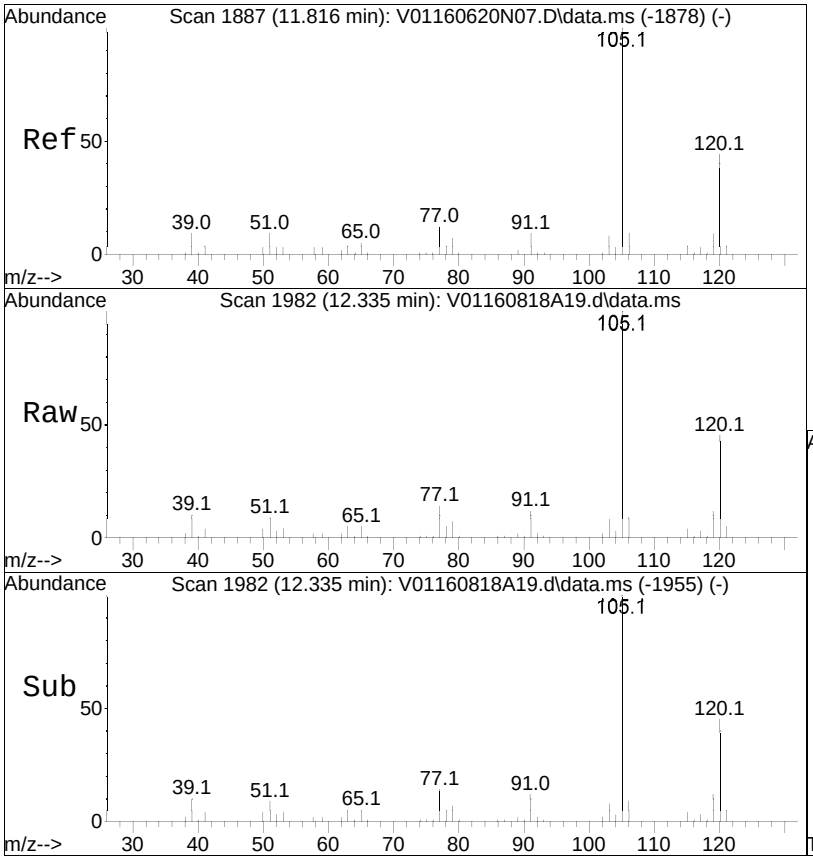


#94
tert-Butylbenzene
Concen: 10.60 ug/L
RT: 12.253 min Scan# 1967
Delta R.T. -0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:119 Resp: 276953

Ion	Ratio	Lower	Upper
119	100		
91	72.3	54.2	81.2
134	24.7	19.7	29.5

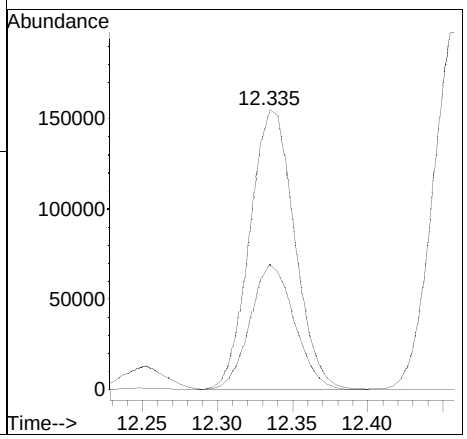


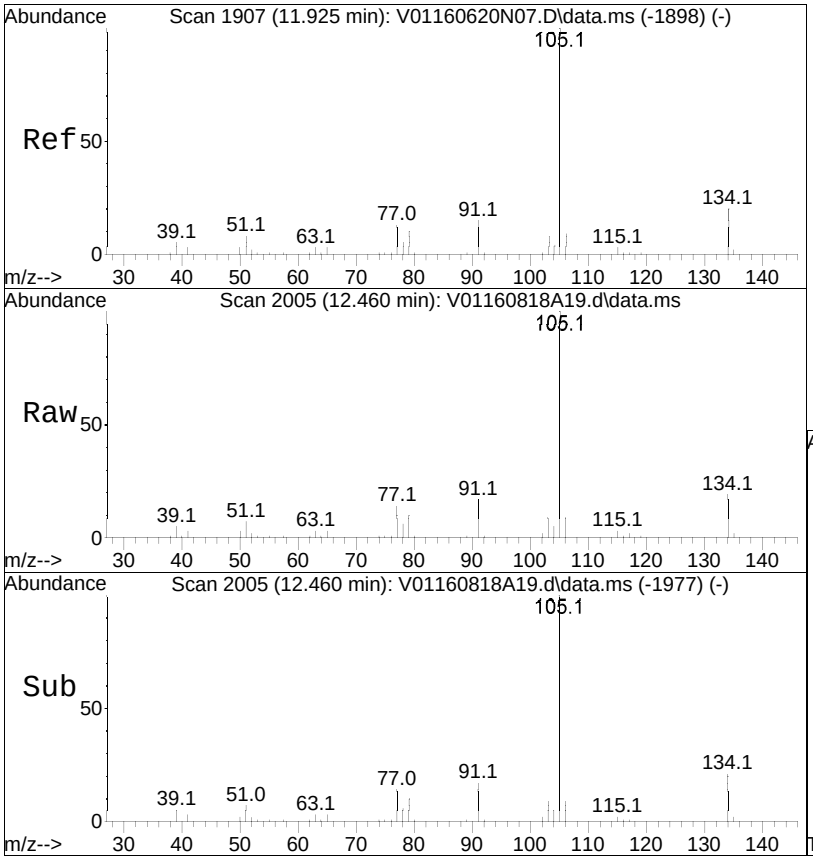


#97
1,2,4-Trimethylbenzene
Concen: 10.57 ug/L
RT: 12.335 min Scan# 1982
Delta R.T. -0.005 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:105 Resp: 322616

Ion	Ratio	Lower	Upper
105	100		
120	44.2	36.5	54.7

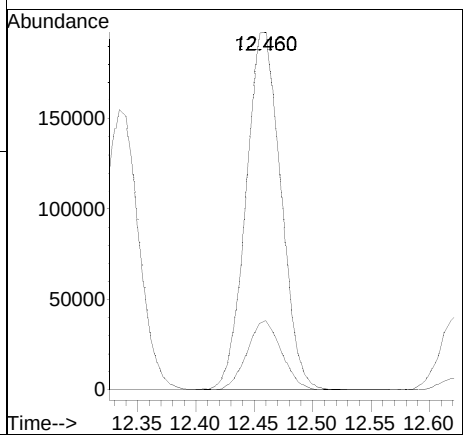


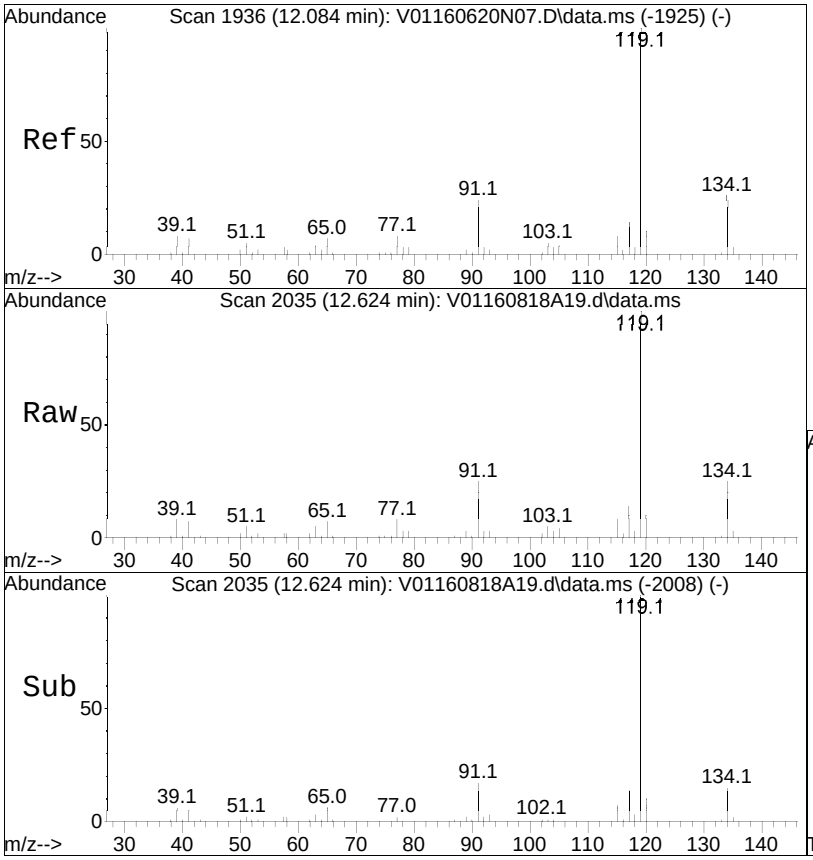


#98
sec-Butylbenzene
Concen: 10.57 ug/L
RT: 12.460 min Scan# 2005
Delta R.T. 0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:105 Resp: 409140

Ion	Ratio	Lower	Upper
105	100		
134	19.3	12.9	26.9

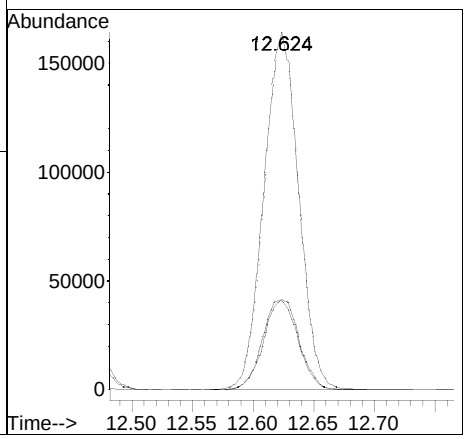


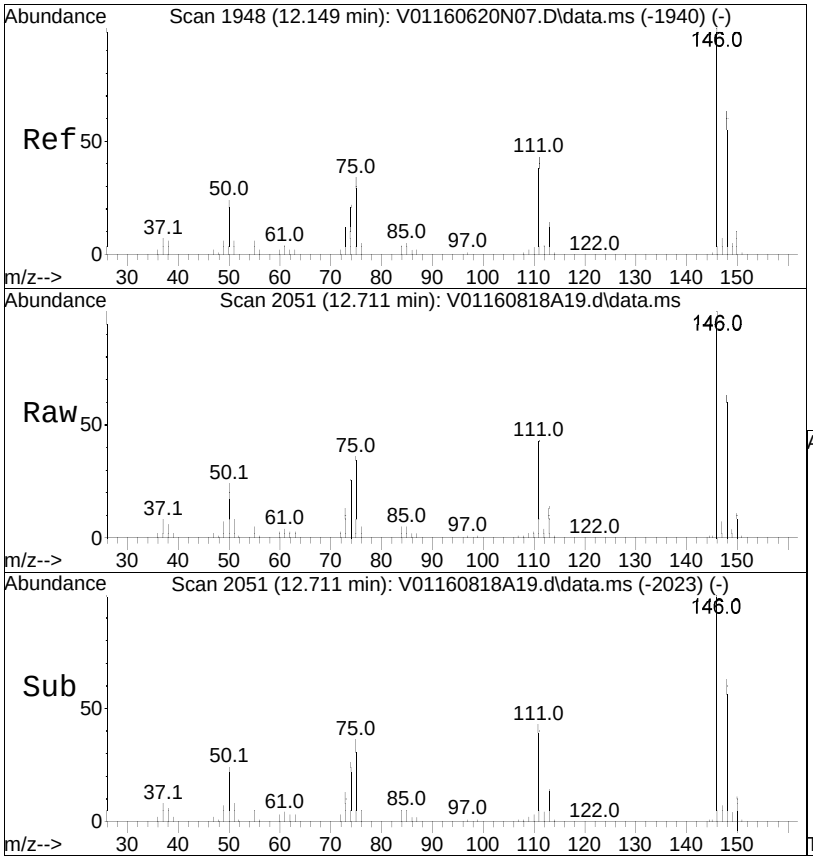


#99
p-Isopropyltoluene
Concen: 10.38 ug/L
RT: 12.624 min Scan# 2035
Delta R.T. -0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:119 Resp: 324273

Ion	Ratio	Lower	Upper
119	100		
134	26.1	16.6	34.6
91	26.0	15.1	31.5

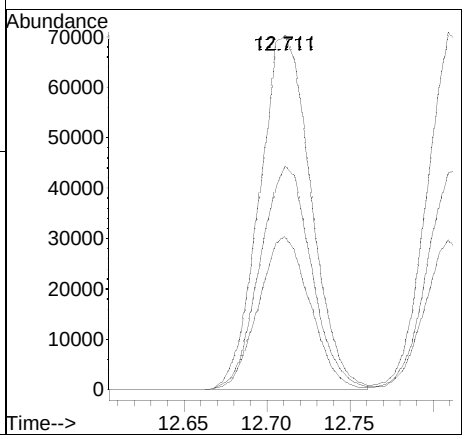


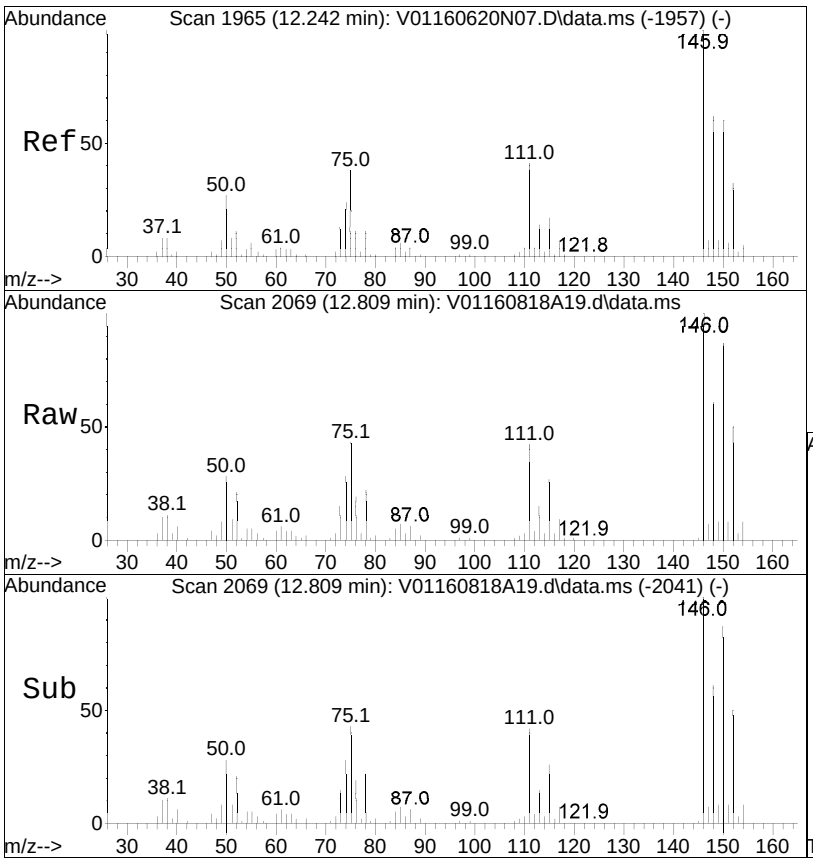


#100
1,3-Dichlorobenzene
Concen: 10.24 ug/L
RT: 12.711 min Scan# 2051
Delta R.T. 0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:146 Resp: 152239

Ion	Ratio	Lower	Upper
146	100		
111	43.3	28.0	58.1
148	62.8	41.2	85.6

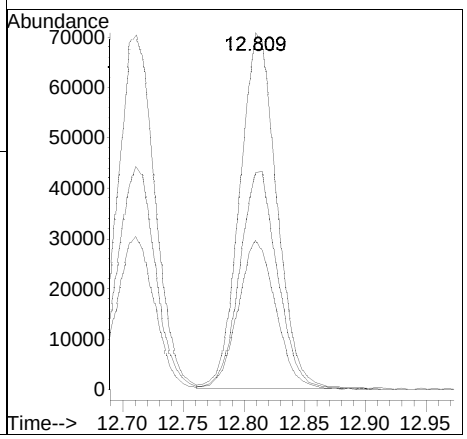


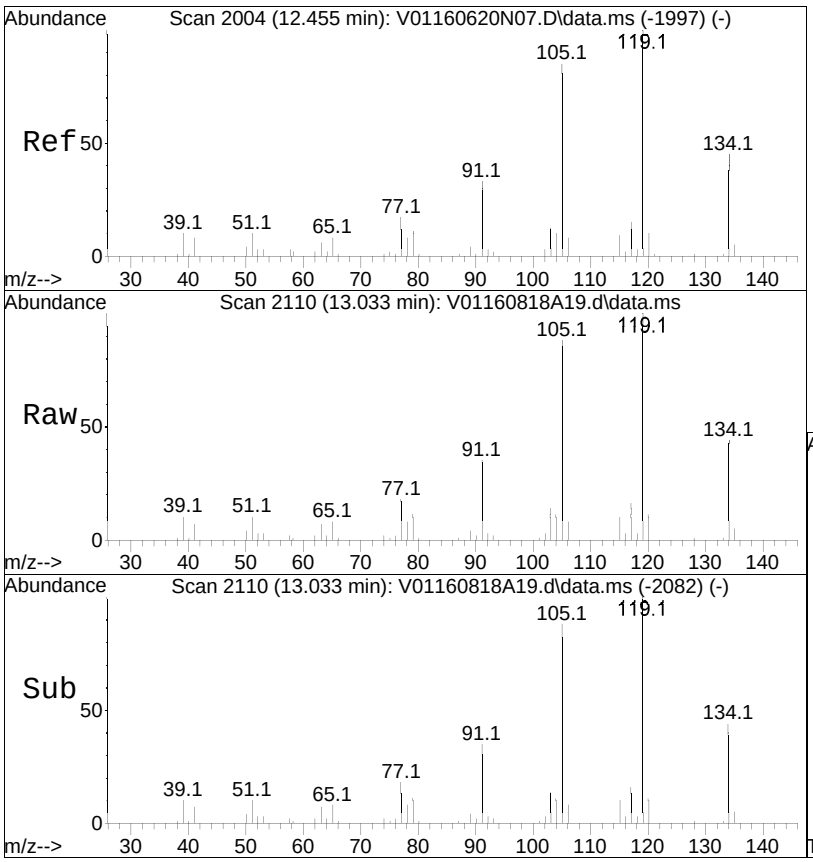


#101
1,4-Dichlorobenzene
Concen: 10.19 ug/L
RT: 12.809 min Scan# 2069
Delta R.T. 0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:146 Resp: 150092

Ion	Ratio	Lower	Upper
146	100		
111	43.1	34.1	51.1
148	63.0	50.8	76.2

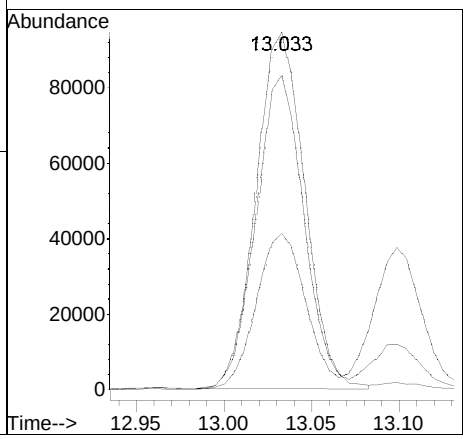


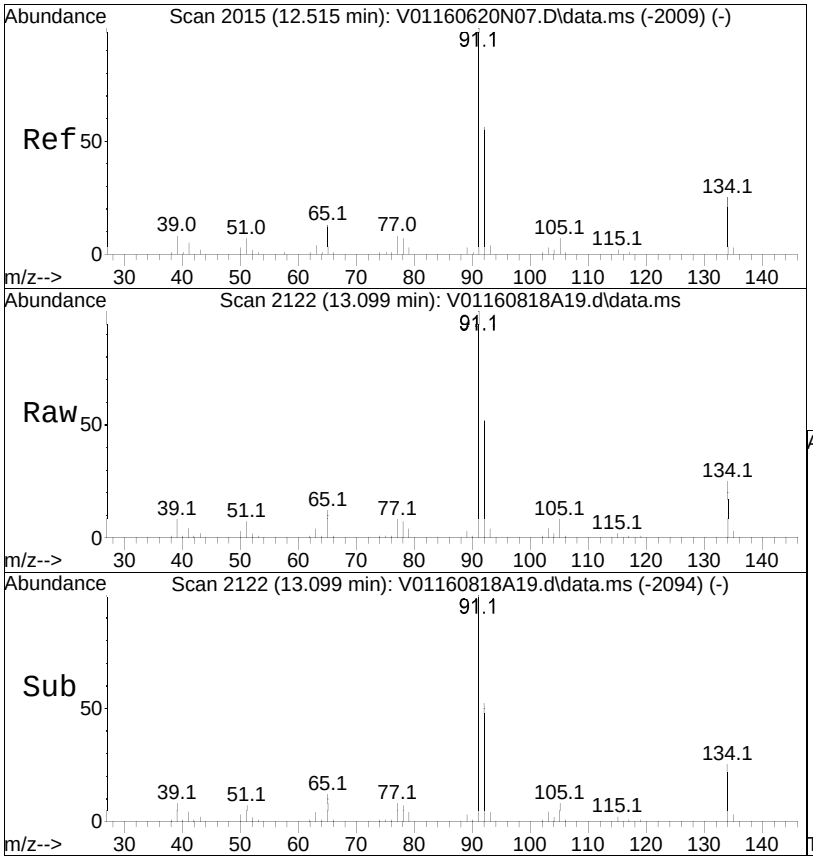


#102
p-Diethylbenzene
Concen: 10.36 ug/L
RT: 13.033 min Scan# 2110
Delta R.T. 0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:119 Resp: 182522

Ion	Ratio	Lower	Upper
119	100		
105	86.4	55.0	114.2
134	44.9	29.2	60.6

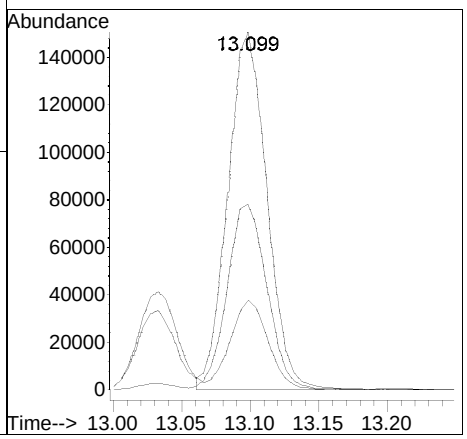


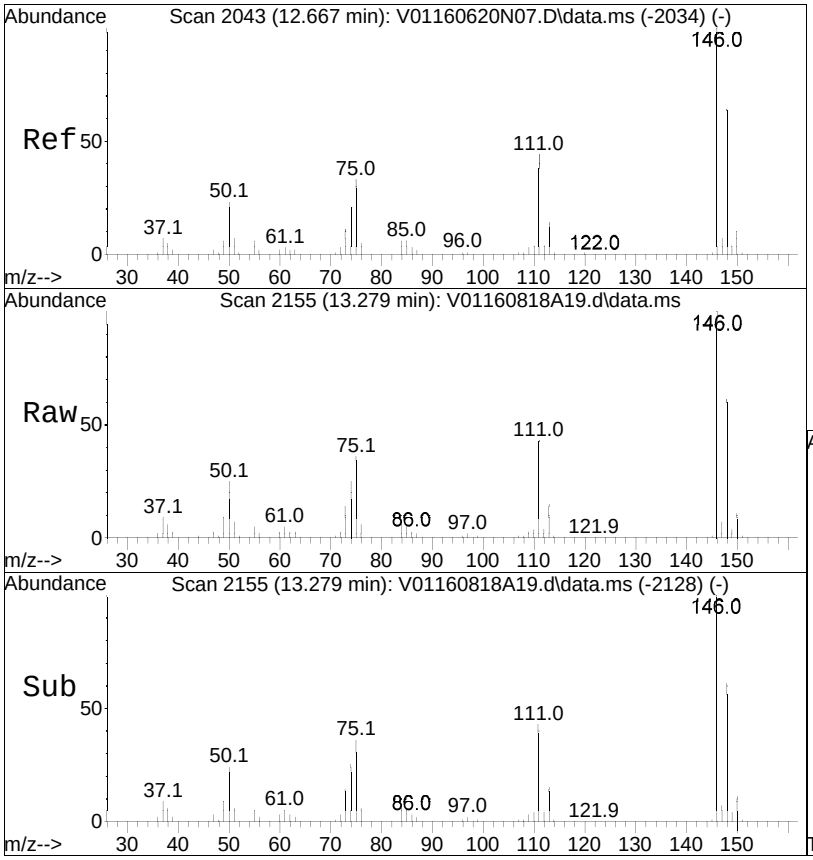


#103
n-Butylbenzene
Concen: 10.58 ug/L
RT: 13.099 min Scan# 2122
Delta R.T. 0.001 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion: 91 Resp: 294889

Ion	Ratio	Lower	Upper
91	100		
92	53.5	44.4	66.6
134	24.7	21.2	31.8

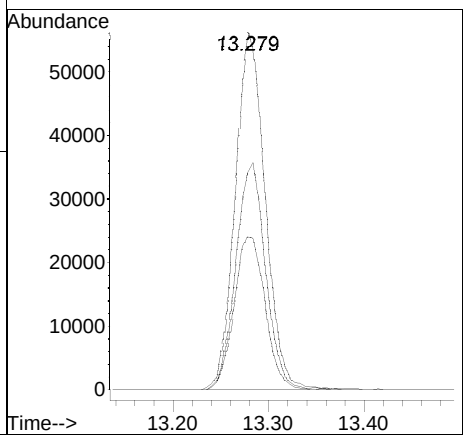


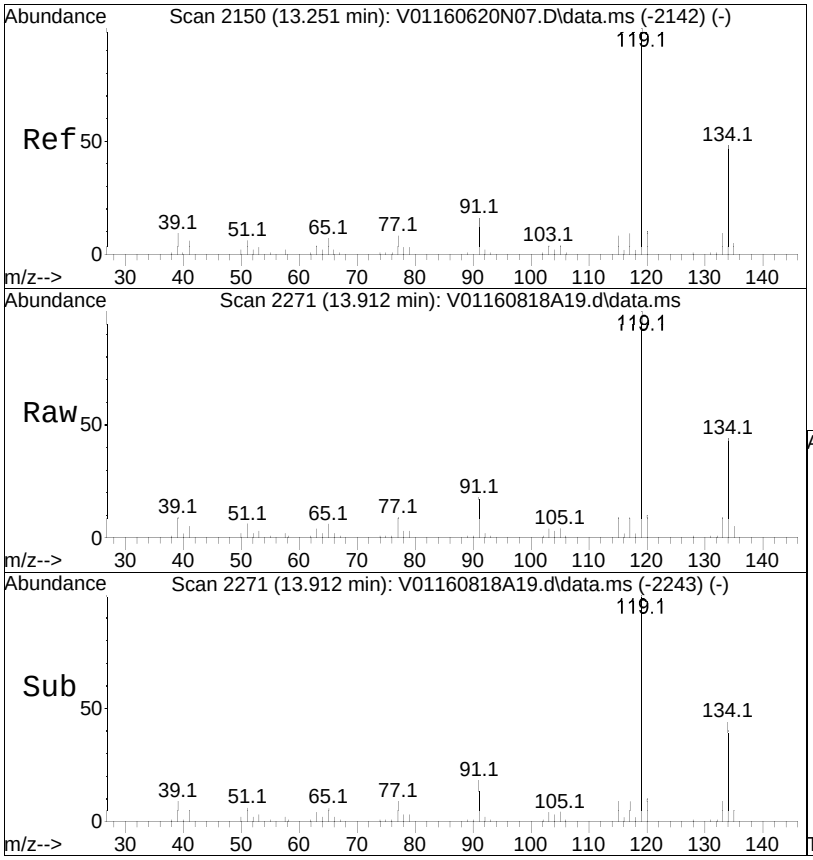


#104
1,2-Dichlorobenzene
Concen: 10.11 ug/L
RT: 13.279 min Scan# 2155
Delta R.T. -0.005 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:146 Resp: 121470

Ion	Ratio	Lower	Upper
146	100		
111	44.6	28.7	59.5
148	63.3	41.1	85.5

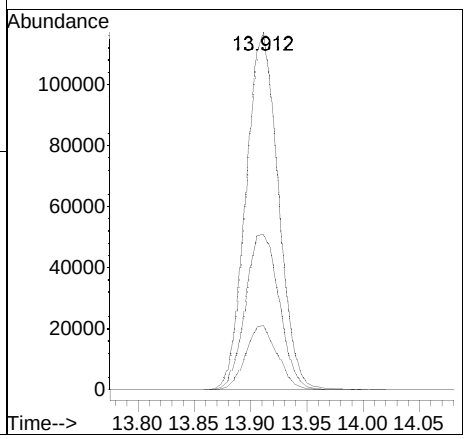


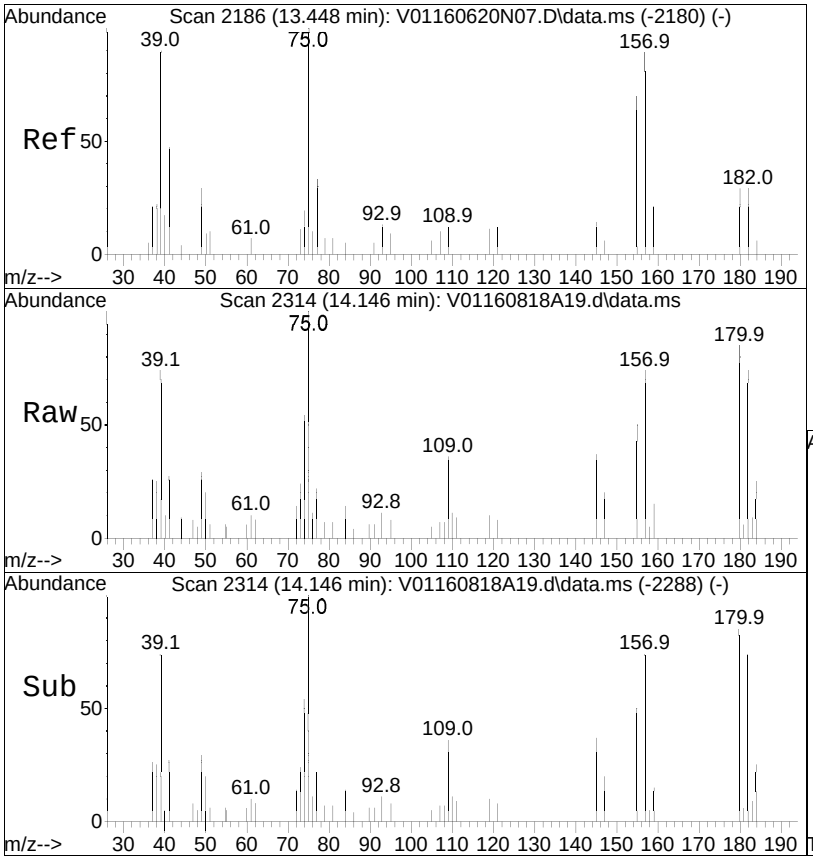


#105
1,2,4,5-Tetramethylbenzene
Concen: 10.59 ug/L
RT: 13.912 min Scan# 2271
Delta R.T. 0.001 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:119 Resp: 231989

Ion	Ratio	Lower	Upper
119	100		
134	45.7	29.9	62.1
91	17.8	10.4	21.6

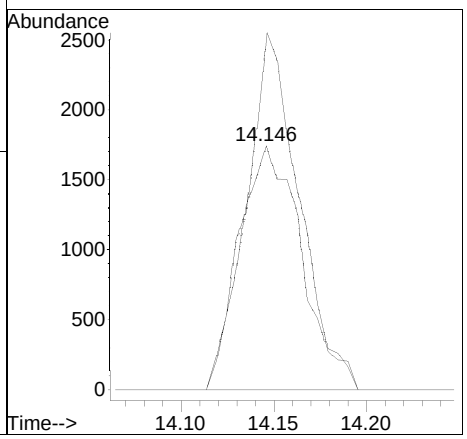


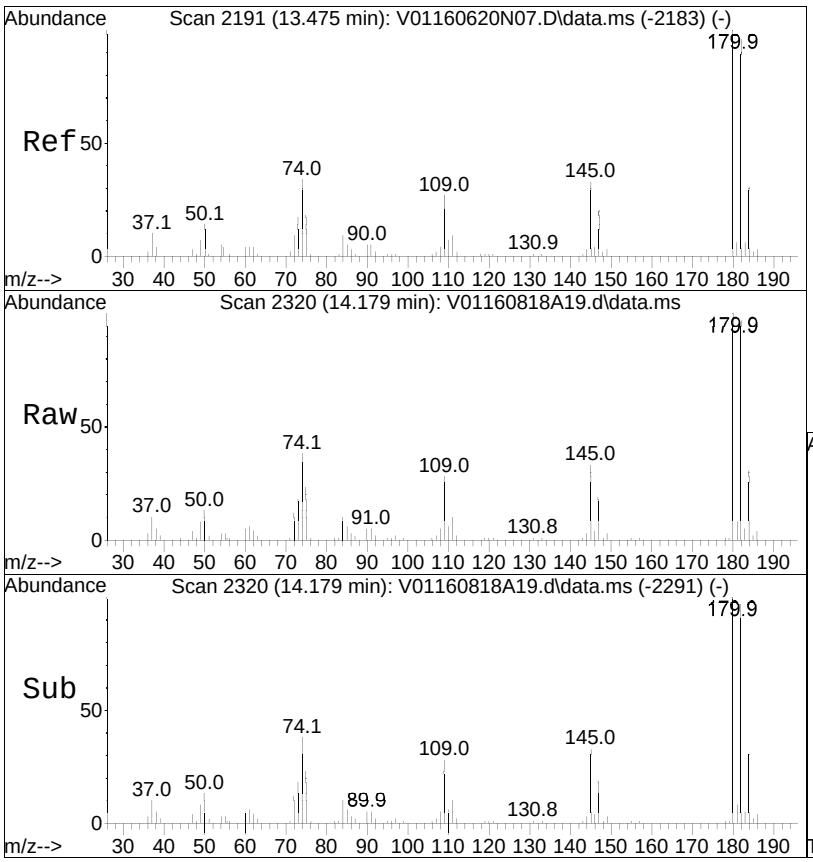


#106
1,2-Dibromo-3-chloropropane
Concen: 9.60 ug/L
RT: 14.146 min Scan# 2314
Delta R.T. -0.006 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:155 Resp: 4018

Ion	Ratio	Lower	Upper
155	100		
157	126.7	101.8	152.6

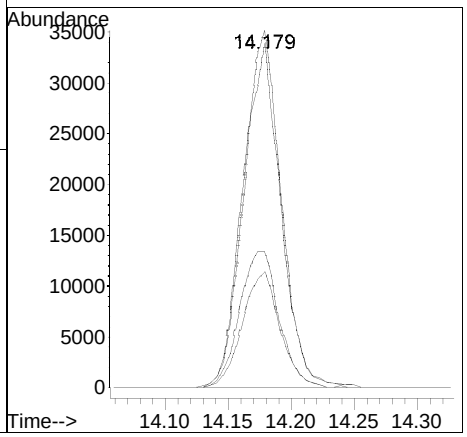


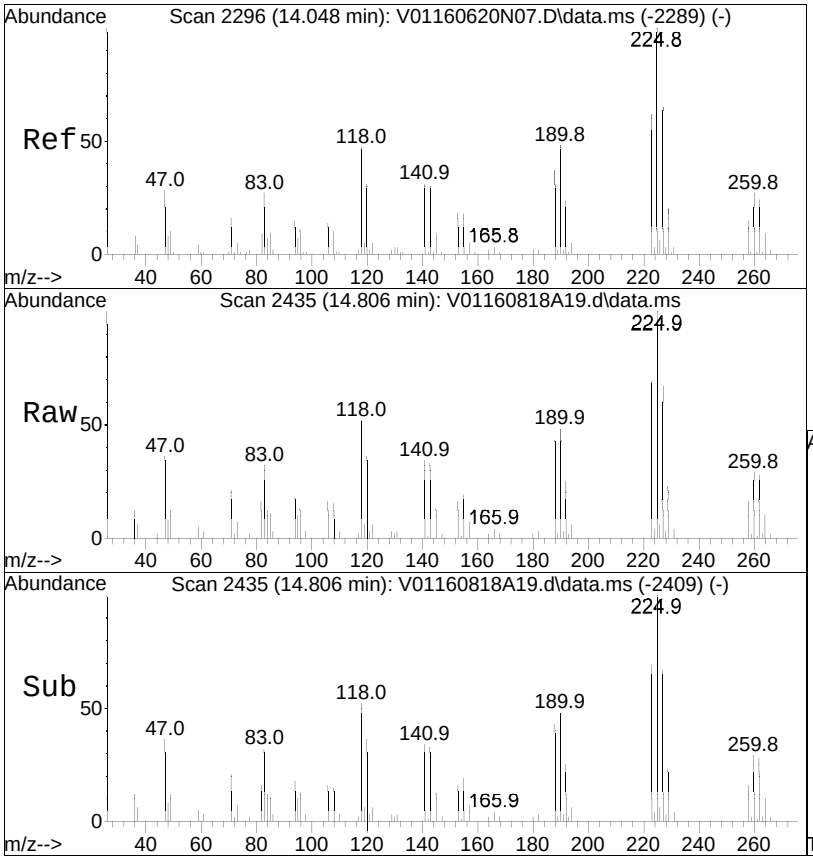


#107
1,3,5-Trichlorobenzene
Concen: 10.60 ug/L
RT: 14.179 min Scan# 2320
Delta R.T. 0.006 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:180 Resp: 73583

Ion	Ratio	Lower	Upper
180	100		
182	93.5	61.7	128.1
145	32.2	20.2	41.9
74	39.4	21.3	44.1

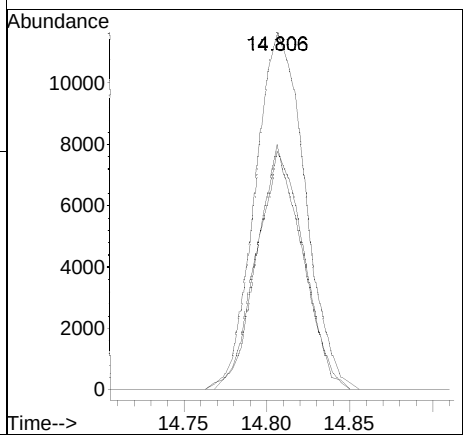


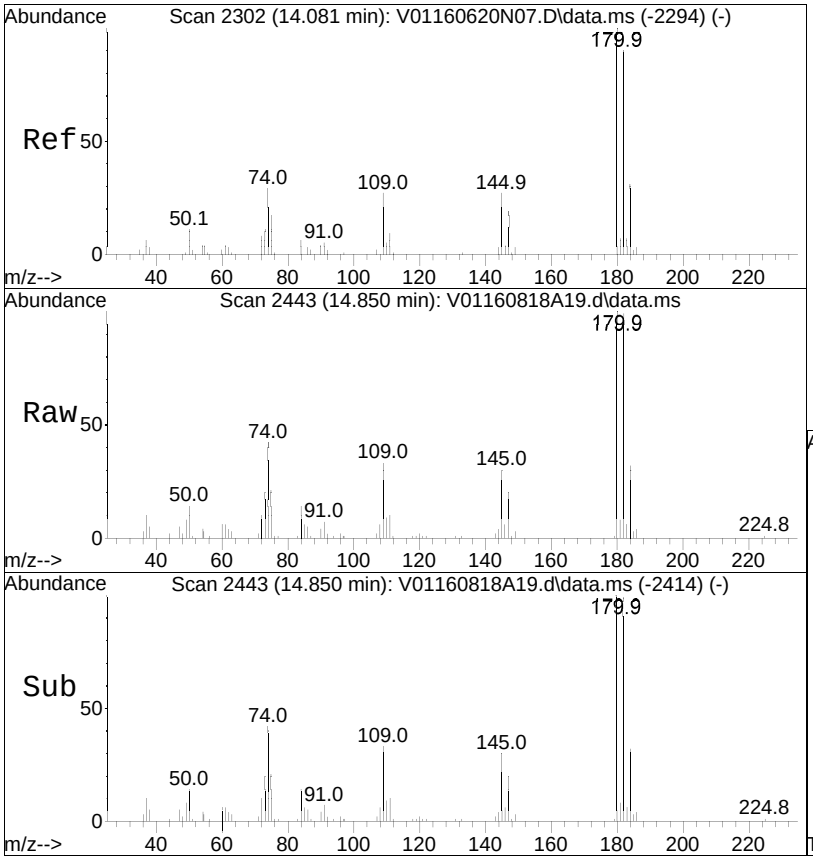


#108
Hexachlorobutadiene
Concen: 10.92 ug/L
RT: 14.806 min Scan# 2435
Delta R.T. -0.006 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:225 Resp: 24274

Ion	Ratio	Lower	Upper
225	100		
223	63.1	51.0	76.4
227	63.1	51.8	77.8

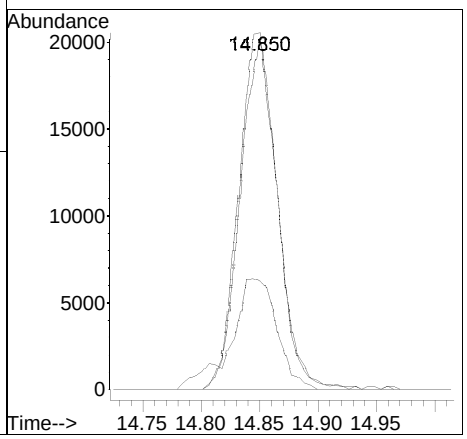


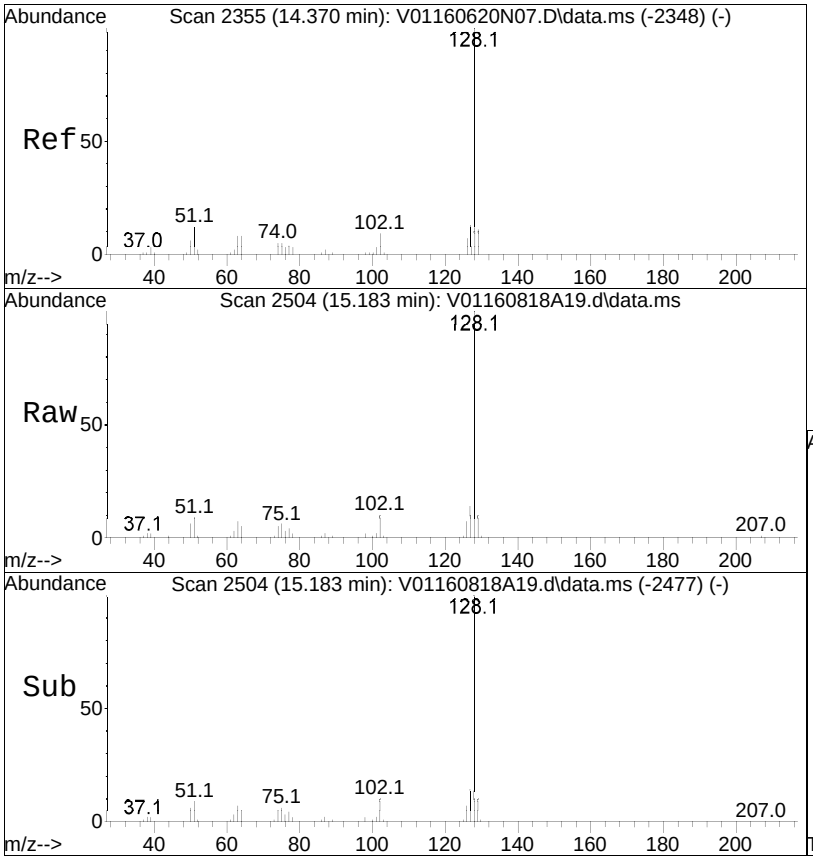


#109
1,2,4-Trichlorobenzene
Concen: 10.94 ug/L
RT: 14.850 min Scan# 2443
Delta R.T. 0.006 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:180 Resp: 47031

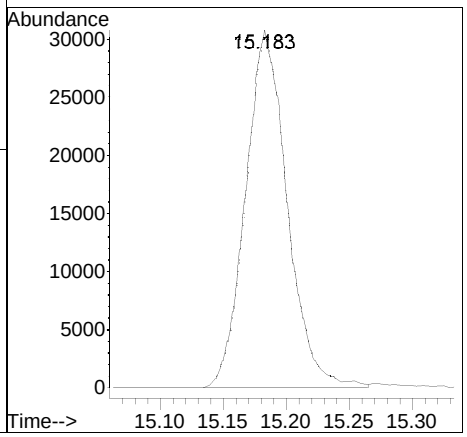
Ion	Ratio	Lower	Upper
180	100		
182	93.6	76.1	114.1
145	37.1	29.0	43.6

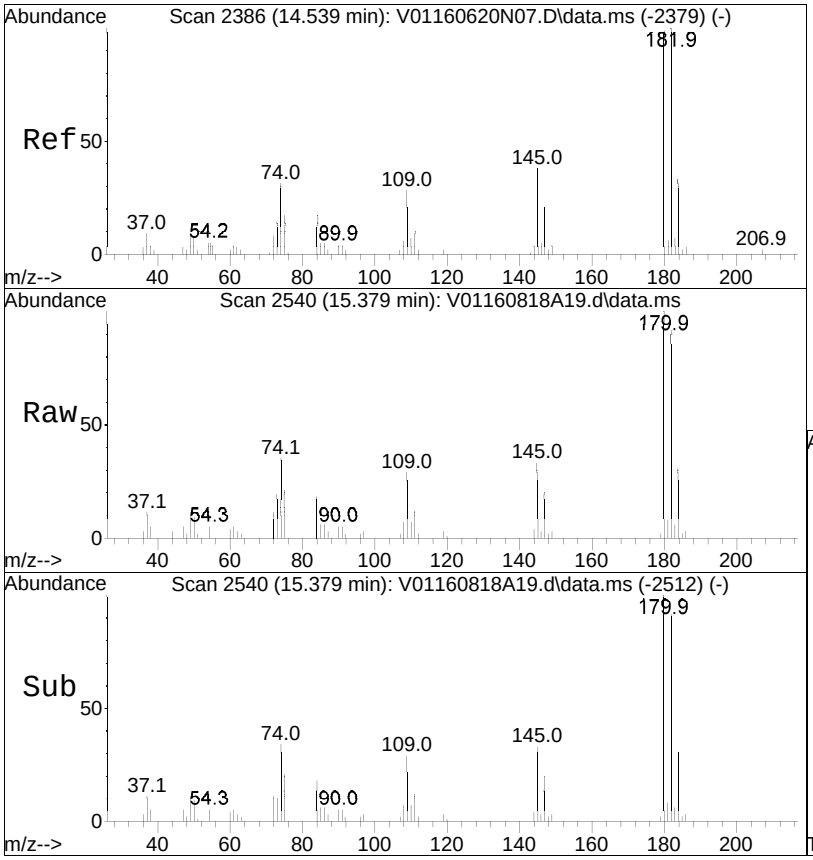




#110
Naphthalene
Concen: 10.84 ug/L
RT: 15.183 min Scan# 2504
Delta R.T. -0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:128 Resp: 69919

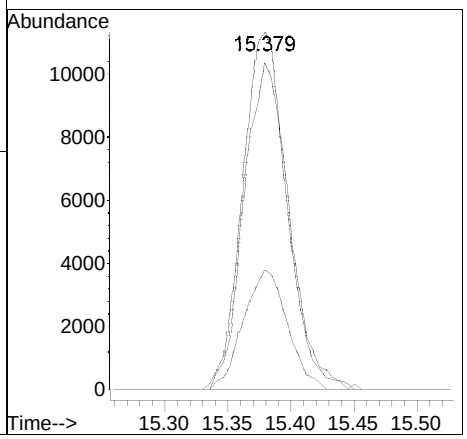




#111
1,2,3-Trichlorobenzene
Concen: 11.53 ug/L
RT: 15.379 min Scan# 2540
Delta R.T. 0.000 min
Lab File: V01160818A19.d
Acq: 18 Aug 2016 16:39

Tgt Ion:180 Resp: 28087

Ion	Ratio	Lower	Upper
180	100		
182	89.2	76.6	115.0
145	32.7	27.4	41.0



Manual Integration Report

Data Path	: I:\VOLATILES\VOA101\2016\1	QMethod	: V101_160809_8260.m
Data File	: V01160818A19.d	Operator	: VOA101:PK
Date Inj'd	: 8/18/2016 16:39	Instrument	: VOA 101
Sample	: WG923932-7,31,10,10,,a2	Quant Date	: 8/18/2016 8:47 pm

There are no manual integrations or false positives in this file.

Wet Chemistry

Total Suspended Solids Analysis

Sample Raw Data

ALPHA ANALYTICAL LABS

WET CHEMISTRY DEPARTMENT

TOTAL SUSPENDED SOLIDS

Last Change 3/4/13
File tss.xlt

2540D (PPB)

2540D

Get Samples

Save to LIMS

METHODS

filter lot pall t60274

Sample Number: _____ oven C
in 104 1:46
Client: _____ out 3:51
in 4:36
Analysis: T S S out 5:52
Method: SM 2540D in 6:29
out 7:30

Product: TSS-2540
Analyte: Solids, Total Suspended
Analysis Date: 8/16/2016 1:06
Technician: MCL
Work group: WG922982
RDL: 5.0 mg/l

1

	Sample Number	Symbol	Tare Weight (gm)	Sample Volume (ml)	Net Weight(1) (gm)	Net Weight(2) (gm)	Net Weight(3) (gm)	Net Weight(4) (gm)	RDL MULT.	RESULT mg/l	
BLANK	WG922982-1	1	0.4328	1000	0.4316	0.4316				0.00	
DUP	WG922982-2	2	0.4353	1140	0.4359	0.4356				0.26	L1625236-03
	L1625236-01	3	0.4358	950	0.4350	0.4350				0.00	
	L1625236-02	4	0.4336	1115	0.4341	0.4341				0.45	
	L1625236-03	5	0.4339	1140	0.4348	0.4347				0.70	
	L1625236-04	6	0.4333	1150	0.4346	0.4344				0.96	
	L1625236-05	7	0.4341	1130	0.4343	0.4344				0.18	
	L1625236-06	8	0.4327	1150	0.4333	0.4332				0.43	
	L1625236-07	9	0.4339	1115	0.4342	0.4341				0.18	
	L1625236-08	10	0.4329	1125	0.4334	0.4332				0.27	
	L1625236-09	11	0.4323	1175	0.4326	0.4327				0.26	
	L1625236-10	12	0.4316	1150	0.4322	0.4318				0.17	
		DUP-TARE:		0.43560	0.43530	0.00030				688.71	
		Sample-TARE:		0.43470	0.43390	0.00080				1840.35	
		DUP weight (g) on the filter:				0.00030					
		Sample weight (g) on the filter:				0.00080					
		Ave weight (g) on the filter:				0.00055					
		DUP%:				54.5					
		Sample%:				145.5					

ALPHA ANALYTICAL LABS

WET CHEMISTRY DEPARTMENT

TOTAL SUSPENDED SOLIDS

Last Change 3/4/13
File tss.xlt

2540D (PPB)

2540D

Get Samples

Save to LIMS

METHODS

filter lot pall t60274

Sample Number: _____ oven C in 104 1:46

Client: _____ out 3:51 in 4:36

Analysis: T S S out 5:52 in 6:29

Method: SM 2540D out 7:30

Product: TSS-2540
Analyte: Solids, Total Suspended
Analysis Date: 8/16/2016 1:06
Technician: MCL
Work group: WG922983
RDL: 5.0 mg/l

2

	Sample Number	Symbol	Tare Weight (gm)	Sample Volume (ml)	Net Weight(1) (gm)	Net Weight(2) (gm)	Net Weight(3) (gm)	Net Weight(4) (gm)	RDL MULT.	RESULT mg/l
BLANK	WG922983-1	1	0.4328	1000	0.4316	0.4316				0.00
	L1625236-11	14	0.4352	1120	0.4355	0.4354				0.18
SAMP	L1625491-01	15	0.435	1130	0.4449	0.4433	0.4428			6.90
SAMP	L1625491-02	75	0.436	1065	0.4342	0.4342				0.00

Work Group

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 19 2016, 11:57 am

Work Group: WG922982 for Department: 7 Wet Chemistry

Created: 16-AUG-16 Due: Operator: MCL

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1625236-01	EB 20160811	S	TSS-2540	WATER	DONE	U	0818	0819	2E	Plastic-A1
L1625236-02	SW1A-20160810	S	TSS-2540	WATER	DONE	U	0817	0819	2E	Plastic-A1
L1625236-03	SW1B-20160810	S	TSS-2540	WATER	DONE	U	0817	0819	2E	Plastic-A1
L1625236-04	SW1C-20160810	S	TSS-2540	WATER	DONE	U	0817	0819	2E	Plastic-A1
L1625236-05	SW2A-20160810	S	TSS-2540	WATER	DONE	U	0817	0819	2E	Plastic-A1
L1625236-06	SW2B-20160810	S	TSS-2540	WATER	DONE	U	0817	0819	2E	Plastic-A1
L1625236-07	SW2C-20160810	S	TSS-2540	WATER	DONE	U	0817	0819	2E	Plastic-A1
L1625236-08	SW3A-20160810	S	TSS-2540	WATER	DONE	U	0817	0819	2E	Plastic-A1
L1625236-09	SW3B-20160810	S	TSS-2540	WATER	DONE	U	0817	0819	2E	Plastic-A1
L1625236-10	SW3C-20160810	S	TSS-2540	WATER	DONE	U	0817	0819	2E	Plastic-A1
WG922982-1	Laboratory Method Bl	S	TSS-2540	WATER	DONE	U				
WG922982-2	Duplicate Sample	S	TSS-2540	WATER	DONE	U				

Comments:

WG922982-2 L1625236-03

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 19 2016, 11:57 am

Work Group: WG922983 for Department: 7 Wet Chemistry

Created: 16-AUG-16 Due: Operator: MCL

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1625236-11	DUP-20160810	S	TSS-2540	WATER	DONE	U	0817	0819	2E	Plastic-A1
L1625491-01	20160815 INFLUENT	S	TSS-2540	WATER	DONE	U	0822	0818	1C	Plastic-A1
L1625491-02	20160815 EFFLUENT	S	TSS-2540	WATER	DONE	U	0822	0818	1C	Plastic-A1
WG922983-1	Laboratory Method Bl	S	TSS-2540	WATER	DONE	U				

Supporting Documentation

Date	Bal.#	0.002g	0.1g	1.0g	50.0g	100.0g	101.0g	150g	101.1g	Initials	Time/Comments
Tuesday, August 16, 2016	2	X	—	DID NOT USE				—	X		
	18	X	0.1001	0.9999	50.0010	100.0093	101.0013	150.0022	X	AWS	17:06
	22	0.0020	0.1000	1.0000	49.9999	99.9998	100.9947	149.9994	X	AWS	10:29
	29	X	0.0999	1.0000	50.0009	100.0023	101.0025	X	X	AWS	16:56
	33	X	0.0998	0.9999	50.0019	100.0050	101.0016	150.0079	101.1048	AWS	11:31
	27	X	0.1000	0.9991	49.9971	99.9981	100.9989	X	X	AWS	10:18
	43	X	0.10	1.00	49.99	99.96	100.99	149.94	X	AWS	11:22
	44	X	0.107	1.012	50.011	100.020	101.013	X	X	AWS	10:21

Date	Bal.#	0.002g	0.1g	1.0g	50.0g	100.0g	101.0g	150g	101.1g	Initials	Time/Comments
Wednesday, August 17, 2016	2	X							X		
	18	X							X		
	22							X	X		
	29	X									
	33	X							X		
	27	X									
	43										
	44										

Date	Bal.#	0.002g	0.1g	1.0g	50.0g	100.0g	101.0g	150g	101.1g	Initials	Time/Comments
Thursday, August 18, 2016	2	X							X		
	18	X							X		
	22							X	X		
	29	X									
	33	X							X		
	27	X									
	43										
	44										

Organic Carbon Analysis

Sequence Logs

DATE: Thu 081816	STOCK STDS ID INFO:	WORKING STDS ID INFO:	
ANALYST: DA	LOT #'s:	LOT #'s:	
CURVE INFO:	2000 PPM CURVE SLN: TOC- 050916-C	2 PPM ICV: TOC- 081816- ICV	
CURVE IN USE: 050916 TOC-3	2000 PPM ICV/LCS/SPK SLN : TOC- 050916-W	2 PPM LCS : TOC- 081816- LCS	
	4000 PPM IC CK STD SLN: TOC- 060216-	4 PPM SPK: TOC- 081816- SPK	
	2 4 W	10 PPM IC CK STD: TOC- 081816- IC	

POSITION	SAMPLE	DIL X	PH	COMMENTS
1	DI			
2	IC CK STD 10ppm			
3	ICV 2ppm			
4	ICB			
5	MB			
6	LCS 2ppm			
7	25236.1 EB	1	2	
8	2	1	2	
9	3	1	2	
10	4	1	2	
11	5	1	2	
12	6	1	2	
13	7	1	2	
14	8	1	2	
15	CCV 2ppm			
16	ccb			
17	25236.1 EB	1	2	rerun
18	9	1	2	
19	10	1	2	
20	11	1	2	
21	3 dup	1	2	
22	3 spk	1	2	=4ppm
23	25236.5 DUC	1	2	
24	6	1	2	
25	7	1	2	
26	8	1	2	

POSITION	SAMPLE	DIL X	PH	COMMENTS
27	CCV 2ppm			
28	ccb			
29	FB DUC 25236	1	2	8/18 12:05
30	25236.1 EB	1	2	
31	2	1	2	
32	3	1	2	
33	4	1	2	
34	9	1	2	
35	10	1	2	
36	11	1	2	
37	3 dup	1	2	
38	3 spk	1	2	=4.3ppm
39	CCV 2ppm			
40	ccb			

Sample Raw Data

ALPHA ANALYTICAL LABS

BACTERIA DEPARTMENT

DISSOLVED ORGANIC CARBON

Last Change 03/4/13 GFF
File TOC/DOC.xlt

Sample Number: _____
Client: _____
Analysis: DOC
TOC Instrument ID: 3
Method: SM 5310C

Product: DOC-5310
Analyte: Dissolved Organic Carbon,
Analysis Date: 8/18/2016 13:57
Technician: DW
Work group: WG923745
MDL: 1.0 mg/l
Page Number:
Preparation Date: 8/18/2016 12:05

LCS Conc. (ppm): 2
Spike Conc(ppm): 4

	Sample Number	COMMENTS	MDL Multiplier	RESULT mg/L	
DUP	WG923745-3		1	3.53	L1625236-03
	L1625236-01		1	0.32	
	L1625236-02		1	4.01	
	L1625236-03		1	3.80	
	L1625236-04		1	3.76	
	L1625236-05		1	3.32	
	L1625236-06		1	3.74	
	L1625236-07		1	3.66	
	L1625236-08		1	3.54	
	L1625236-09		1	3.44	
	L1625236-10		1	3.57	
	L1625236-11		1	3.64	
BLANK	WG923745-1		1	0.11	

		Comments	Sample Result	Spike Conc	Spike Result	% Rec	
MS	WG923745-4		3.8	4	7.5	93	L16252
LCS	WG923745-2			2	2.02	101	

ALPHA ANALYTICAL LABS

BACTERIA DEPARTMENT

TOTAL ORGANIC CARBON

Last Change 03/4/13 GFF
File TOC/DOC.xlt

Sample Number: _____
Client: _____

Analysis: TOC
TOC Instrument ID: 3
Method: SM 5310C

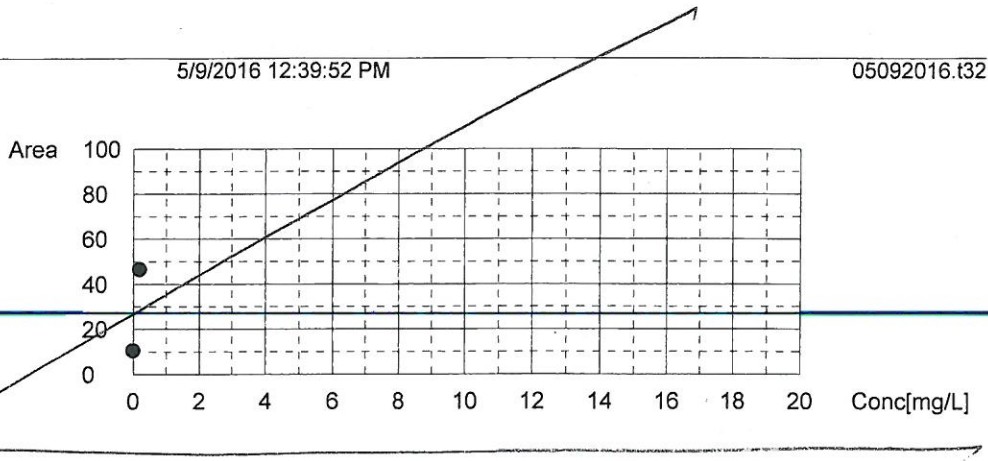
Product: TOC-5310
Analyte: Total Organic Carbon,
Analysis Date: 8/18/2016 7:36
Technician: DW
Work group: WG923744
MDL: 0.5 mg/l
Page Number:

LCS Conc. (ppm): 2
Spike Conc(ppm): 4

	Sample Number	COMMENTS	MDL Multiplier	RESULT mg/L	
DUP	WG923744-3		1	3.49	L1625236-03
	L1625236-01	VIAL 2 0.75	1	0.62	
	L1625236-02		1	3.14	
	L1625236-03		1	3.41	
	L1625236-04		1	3.42	
	L1625236-05		1	3.84	
	L1625236-06		1	3.41	
	L1625236-07		1	3.42	
	L1625236-08		1	3.49	
	L1625236-09		1	3.42	
	L1625236-10		1	3.47	
	L1625236-11		1	3.55	
BLANK	WG923744-1		1	0.02	

		Comments	Sample Result	Spike Conc	Spike Result	% Rec	
MS	WG923744-4		3.41	4	8.33	123	L16252
LCS	WG923744-2			2	1.98	99	

Slope:	7632
Intercept	-548.4
r^2	0.848361
r	0.921065
Zero Shift	No



Cal. Curve

Sample Name: 05092016 toc-3 curve
Sample ID:
Cal. Curve: 05092016 toc-3.2016_05_09_09_55_51.cal
Status Completed

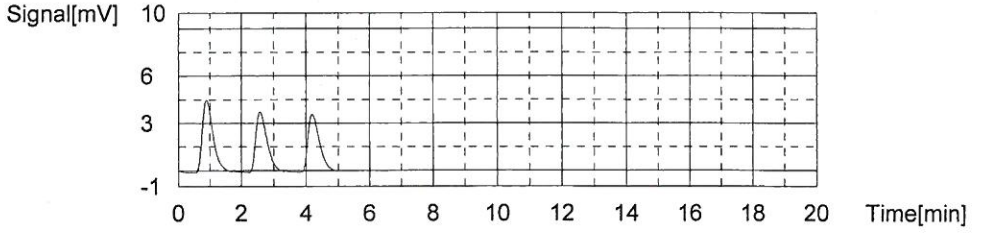
TOC-3 curve 050916

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	11.55	2500uL	1	*******	E	5/9/2016 10:04:29 AM
2	9.448	2500uL	1	*******		5/9/2016 10:09:05 AM
3	9.120	2500uL	1	*******		5/9/2016 10:13:42 AM

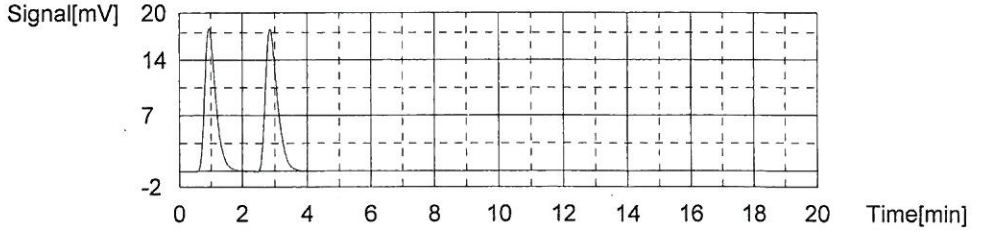
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 9.284



Conc: 0.2000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	46.87	2500uL	1	*******		5/9/2016 10:24:17 AM
2	46.35	2500uL	1	*******		5/9/2016 10:28:33 AM

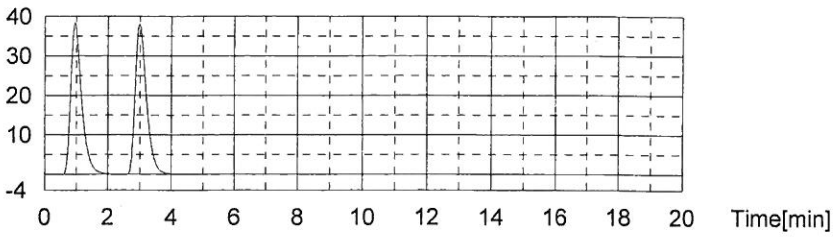
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 46.61



Conc: 0.5000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	98.92	2500uL	1	*******		5/9/2016 10:39:31 AM
2	96.85	2500uL	1	*******		5/9/2016 10:43:42 AM

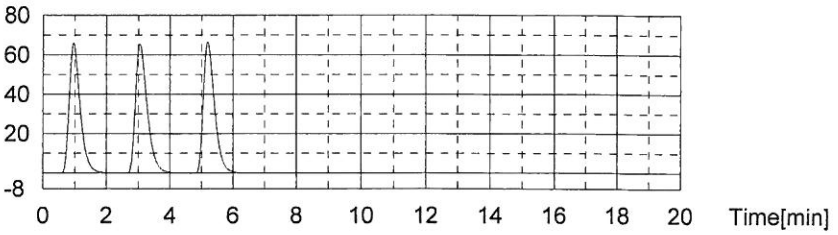
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 97.89



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	168.5	2500uL	1	*******		5/9/2016 10:54:43 AM
2	174.4	2500uL	1	*******	E	5/9/2016 10:59:04 AM
3	171.1	2500uL	1	*******		5/9/2016 11:03:17 AM

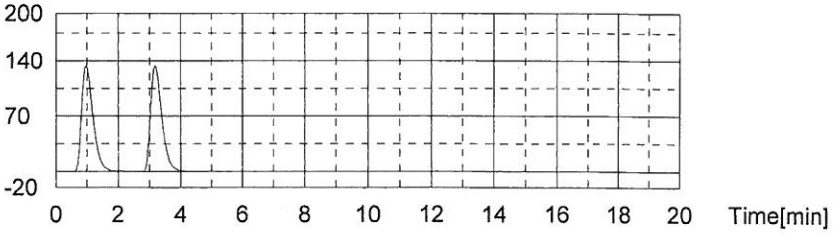
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 169.8



Conc: 2.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	346.8	2500uL	1	*******		5/9/2016 11:14:09 AM
2	349.8	2500uL	1	*******		5/9/2016 11:18:27 AM

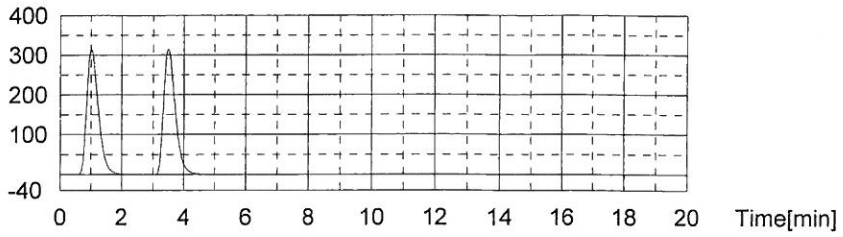
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 348.3



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	850.0	2500uL	1	*******		5/9/2016 11:29:52 AM
2	841.4	2500uL	1	*******		5/9/2016 11:34:29 AM

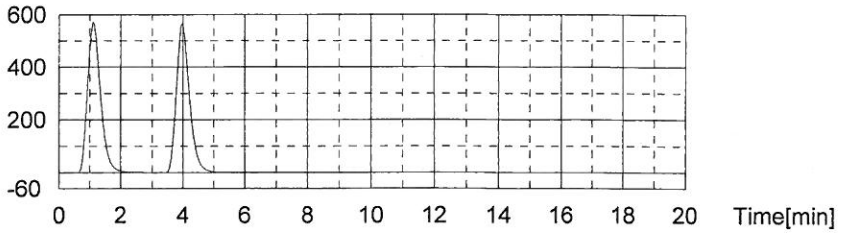
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 845.7



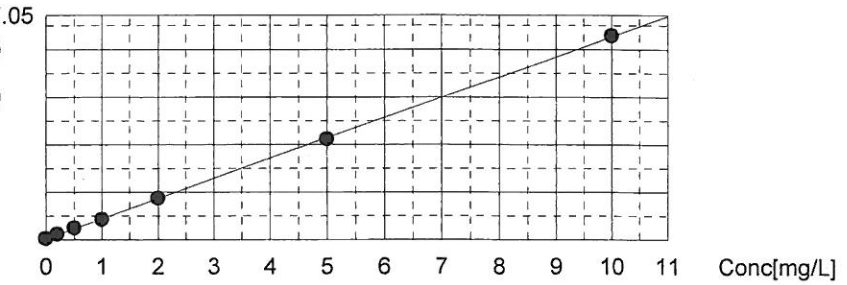
Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1710	2500uL	1	*******		5/9/2016 11:46:16 AM
2	1721	2500uL	1	*******		5/9/2016 11:52:21 AM

Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 1716



Slope: 170.2
Intercept 7.247
r^2 0.999863
r 0.999932
Zero Shift No



Instr.Information

System TOC-VW
Detector Wet Chemical

Sample

Sample Name: di
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

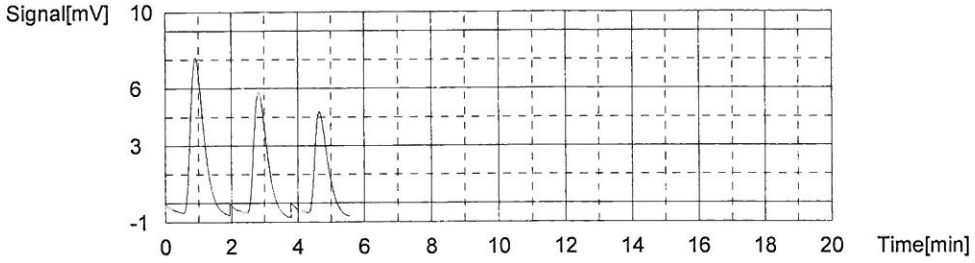
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.05396mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	23.54	0.09574mg/L	2500uL	1	E	05092016 toc-3.2016_05_09_09_	8/18/2016 6:57:02 A
2	18.20	0.06436mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 7:01:14 A
3	14.66	0.04356mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 7:05:26 A

Mean Area 16.43
Mean Conc. 0.05396mg/l



Sample

Sample Name: ic ck std 10ppm
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

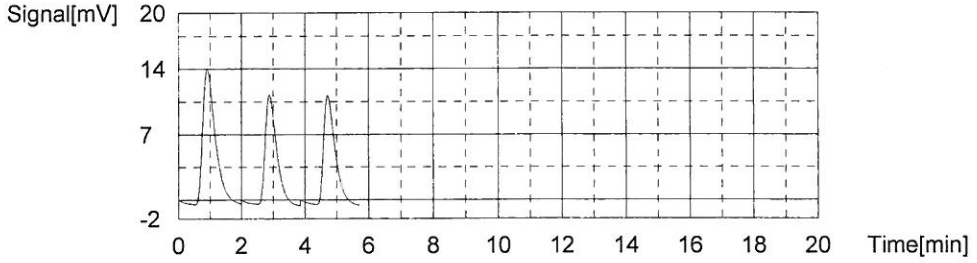
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1336mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	42.13	0.2050mg/L	2500uL	1	E	05092016 toc-3.2016_05_09_09_	8/18/2016 7:16:06 A
2	30.00	0.1337mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 7:20:14 A
3	29.96	0.1335mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 7:25:20 A

Mean Area 29.98
Mean Conc. 0.1336mg/L



Sample

Sample Name: icv 2ppm
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

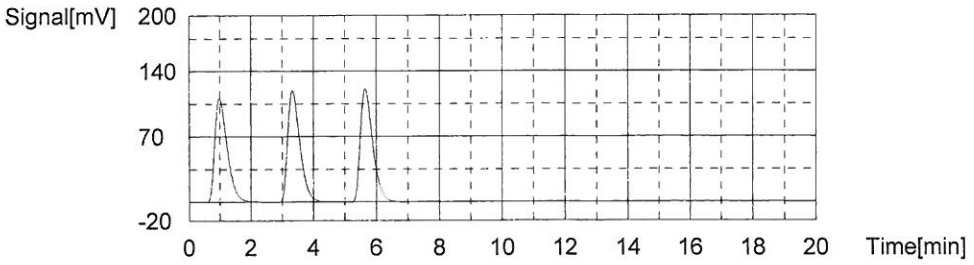
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.966mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	327.2	1.880mg/L	2500uL	1	E	05092016 toc-3.2016_05_09_09_	8/18/2016 7:36:21 A
2	337.8	1.942mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 7:40:59 A
3	345.9	1.990mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 7:45:23 A

Mean Area 341.9
Mean Conc. 1.966mg/L



Sample

Sample Name: icb
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

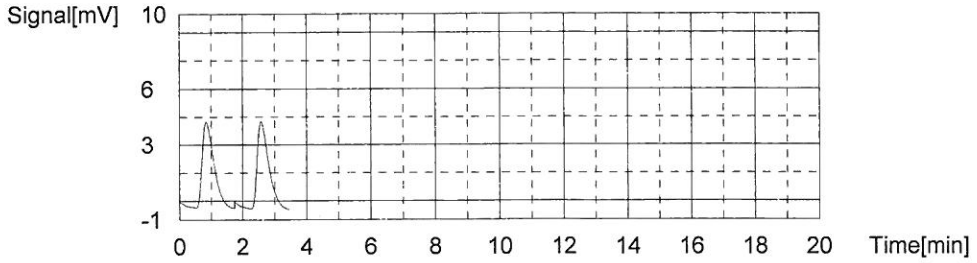
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.02802mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.05	0.02822mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 7:55:47 A
2	11.98	0.02781mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 8:00:27 A

Mean Area 12.02
Mean Conc. 0.02802mg/l



Sample

Sample Name: mb
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.01973mg/L

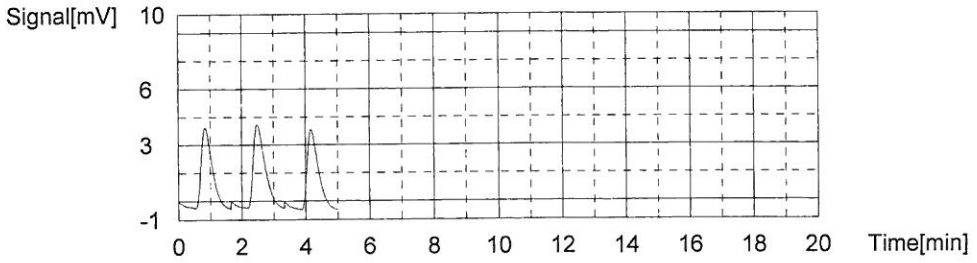
0.02

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.64	0.01994mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 8:11:01 A
2	11.61	0.02564mg/L	2500uL	1	E	05092016 toc-3.2016_05_09_09_	8/18/2016 8:15:39 A
3	10.57	0.01953mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 8:20:14 A

Mean Area 10.61
Mean Conc. 0.01973mg/l



Sample

Sample Name: lcs 2ppm
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.976mg/L

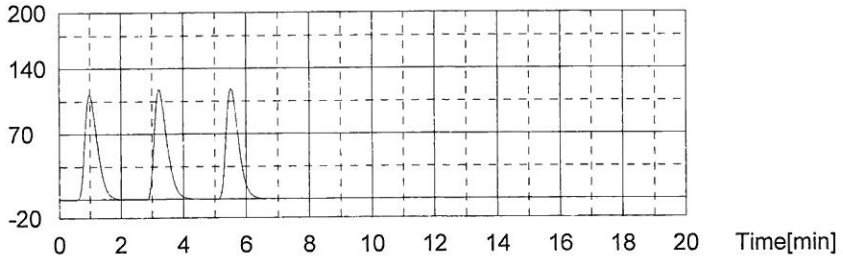
1.98

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	330.7	1.901mg/L	2500uL	1	E	05092016 toc-3.2016_05_09_09_	8/18/2016 8:31:09 A
2	345.0	1.985mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 8:35:32 A
3	342.1	1.968mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 8:39:51 A

Mean Area 343.6
Mean Conc. 1.976mg/L



Sample

Sample Name: 25236-01 eb
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6179mg/L

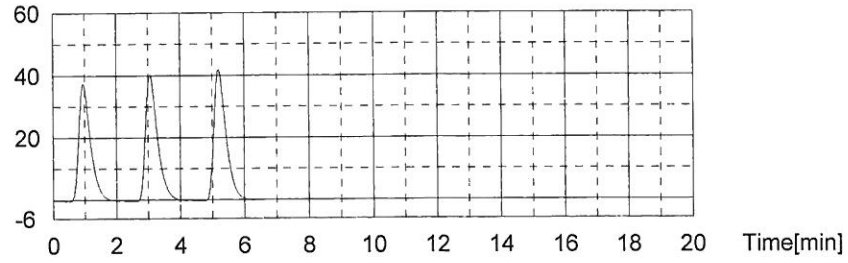
062

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	101.6	0.5544mg/L	2500uL	1	E	05092016 toc-3.2016_05_09_09_	8/18/2016 8:55:23 A
2	110.7	0.6079mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 8:59:42 A
3	114.1	0.6279mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 9:03:57 A

Mean Area 112.4
Mean Conc. 0.6179mg/L



Sample

Sample Name: 25236-02
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.140mg/L

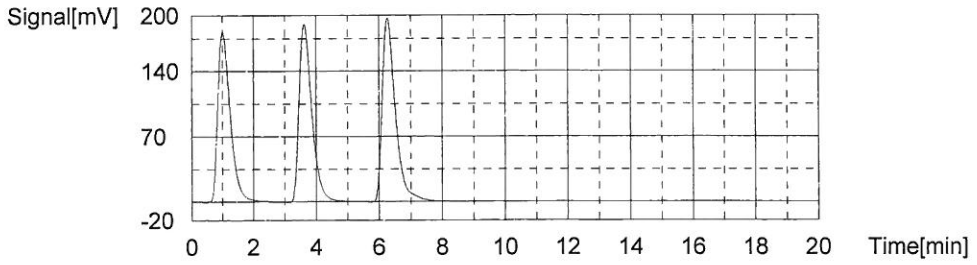
3.14

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	525.1	3.043mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 9:21:51 A
2	558.0	3.236mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 9:26:48 A
3	592.0	3.436mg/L	2500uL	1	E	05092016 toc-3.2016_05_09_09_	8/18/2016 9:31:48 A

Mean Area 541.5
Mean Conc. 3.140mg/L



Sample

Sample Name: 25236-03
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.406mg/L

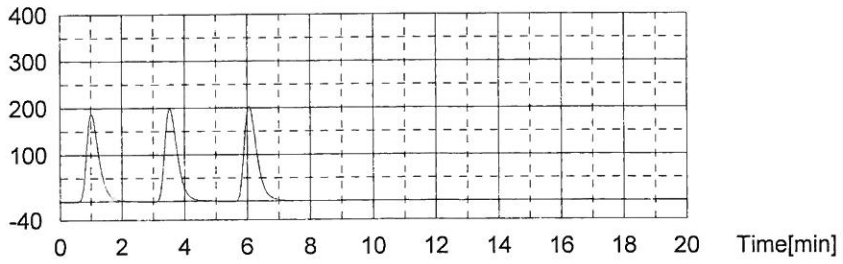
3.41

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	550.6	3.193mg/L	2500uL	1	E	05092016 toc-3.2016_05_09_09_	8/18/2016 9:42:59 A
2	579.3	3.361mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 9:47:37 A
3	594.3	3.450mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 9:52:19 A

Mean Area 586.8
Mean Conc. 3.406mg/L



Sample

Sample Name: 25236-04
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.424mg/L

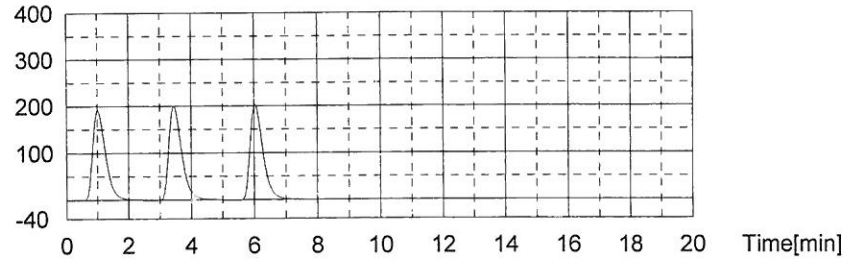
3.42

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	560.3	3.250mg/L	2500uL	1	E	05092016 toc-3.2016_05_09_09_	8/18/2016 10:03:25
2	586.9	3.406mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 10:08:24
3	593.0	3.442mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 10:13:00

Mean Area 590.0
Mean Conc. 3.424mg/L



Sample

Sample Name: 25236-05
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

3.84

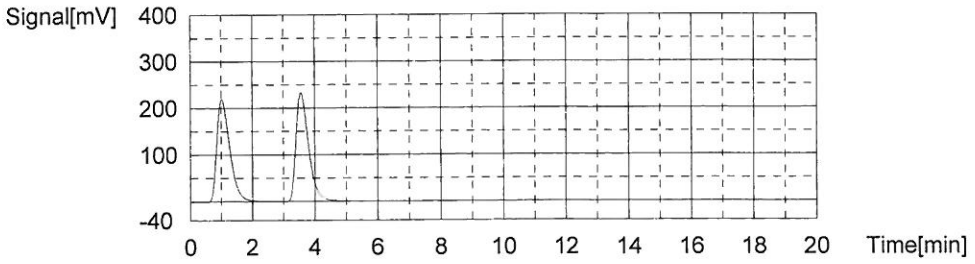
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.838mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	654.1	3.801mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 10:24:13
2	666.8	3.876mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 10:28:51

Mean Area 660.5
Mean Conc. 3.838mg/L



Sample

Sample Name: 25236-06
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

3.41

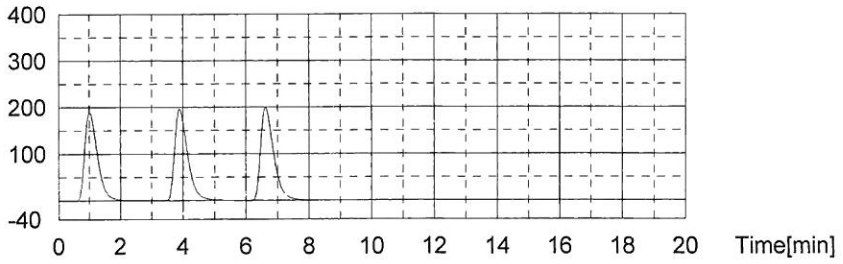
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.413mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	559.2	3.243mg/L	2500uL	1	E	05092016 toc-3.2016_05_09_09_	8/18/2016 10:40:39
2	585.2	3.396mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 10:45:29
3	591.0	3.430mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 10:50:18

Mean Area 588.1
Mean Conc. 3.413mg/L



Sample

Sample Name: 25236-07
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.417mg/L

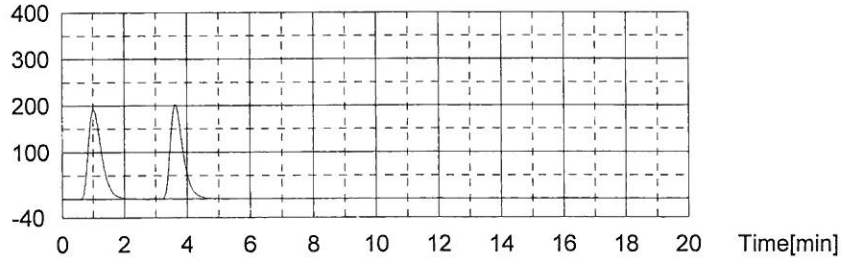
3.42

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	582.9	3.383mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 11:01:35
2	594.7	3.452mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 11:06:19

Mean Area 588.8
Mean Conc. 3.417mg/L



Sample

Sample Name: 25236-08
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

3.49

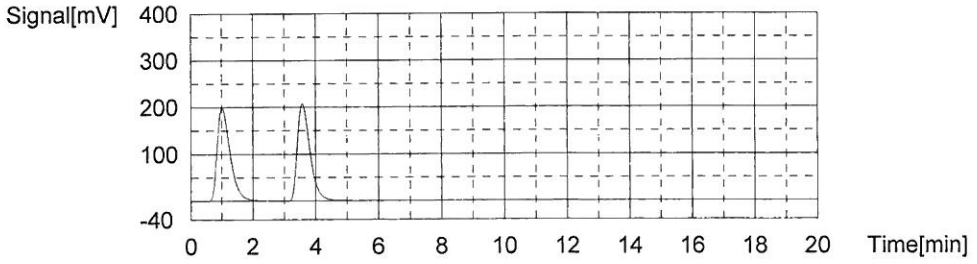
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.492mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	599.1	3.478mg/L	2500uL	1		05092016 toc-3.2016_05_09_09	8/18/2016 11:17:48
2	604.0	3.507mg/L	2500uL	1		05092016 toc-3.2016_05_09_09	8/18/2016 11:22:36

Mean Area 601.5
Mean Conc. 3.492mg/L



Sample

Sample Name: ccv 2ppm
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

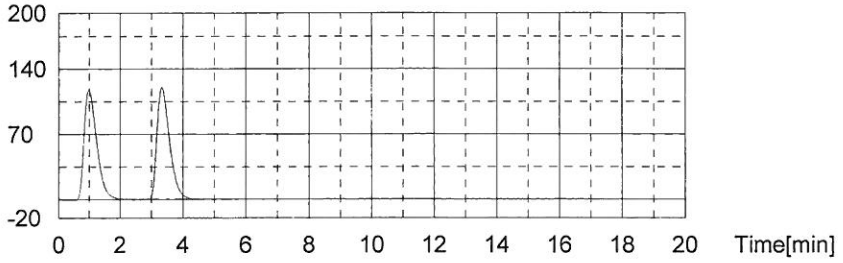
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.000mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	347.0	1.996mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 11:38:28
2	348.1	2.003mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 11:42:51

Mean Area 347.6
Mean Conc. 2.000mg/L



Sample

Sample Name: ccb
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

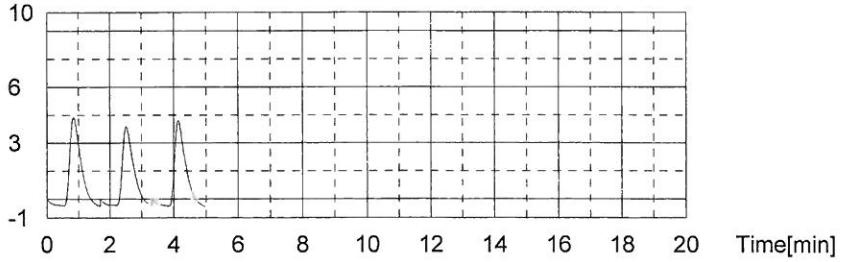
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.01979mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.01	0.02799mg/L	2500uL	1	E	05092016 toc-3.2016_05_09_09_	8/18/2016 11:53:28
2	10.30	0.01794mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 11:58:05
3	10.93	0.02164mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 12:02:42

Mean Area 10.62
Mean Conc. 0.01979mg/l



for confirmation

Sample

Sample Name: 25236-01 eb rr
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7472mg/L

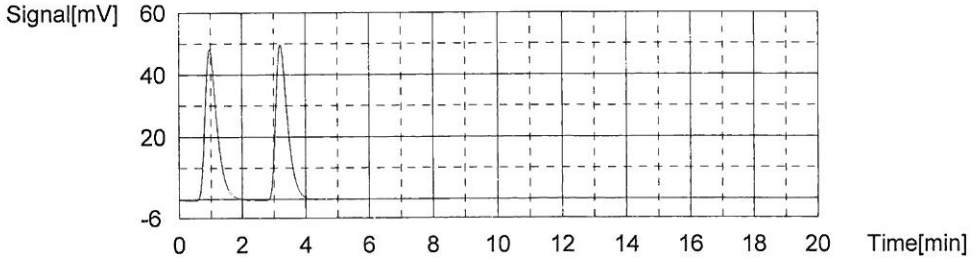
0.75

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	135.1	0.7513mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 12:13:37
2	133.7	0.7431mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 12:17:50

Mean Area 134.4
Mean Conc. 0.7472mg/L



Sample

Sample Name: 25236-09
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.415mg/L

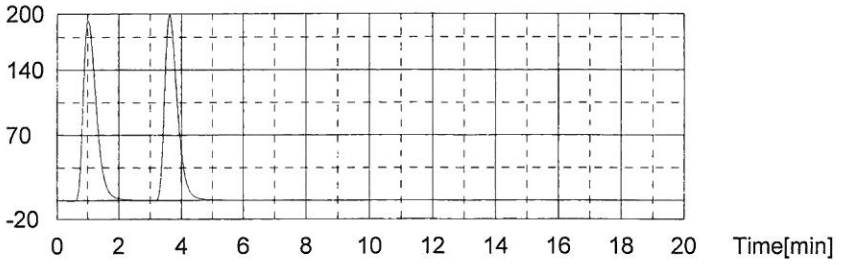
3.42

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	581.5	3.374mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 12:29:21
2	595.2	3.455mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 12:34:10

Mean Area 588.4
Mean Conc. 3.415mg/L



Sample

Sample Name: 25236-10
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

347

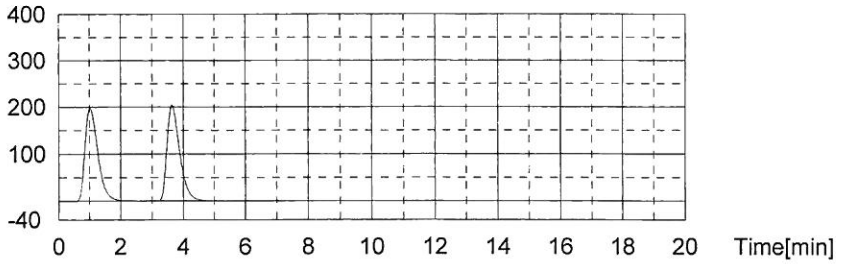
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.474mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	591.1	3.431mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 12:45:42
2	605.7	3.517mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 12:50:24

Mean Area 598.4
Mean Conc. 3.474mg/L



Sample

Sample Name: 25236-11
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

3.55

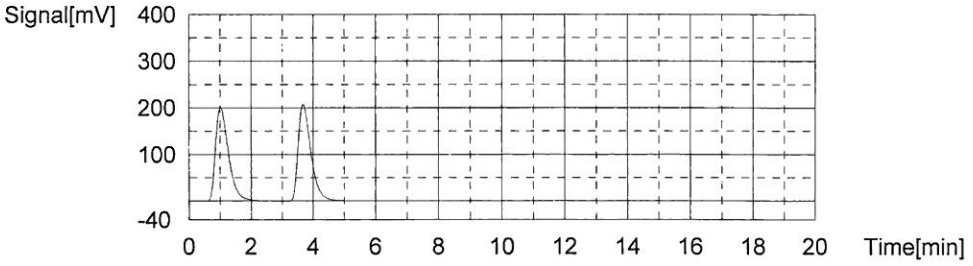
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.549mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	607.7	3.528mg/L	2500uL	1		05092016 toc-3.2016_05_09_09	8/18/2016 1:01:59 P
2	614.8	3.570mg/L	2500uL	1		05092016 toc-3.2016_05_09_09	8/18/2016 1:06:44 P

Mean Area 611.3
Mean Conc. 3.549mg/L



Sample

Sample Name: 25236-03 dup
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

3.49

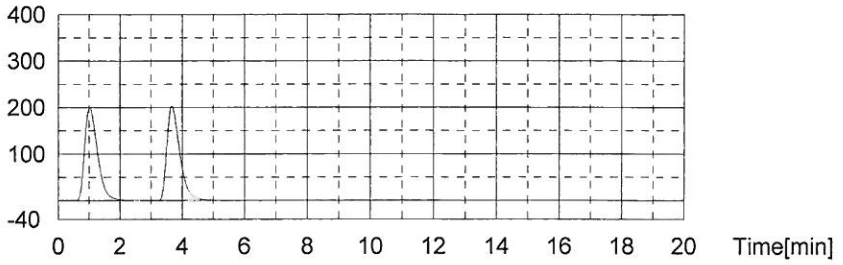
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.493mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	596.9	3.465mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 1:18:18 P
2	606.5	3.521mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 1:23:04 P

Mean Area 601.7
Mean Conc. 3.493mg/L



Sample

Sample Name: 25236-03 spk 4ppm
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:8.334mg/L

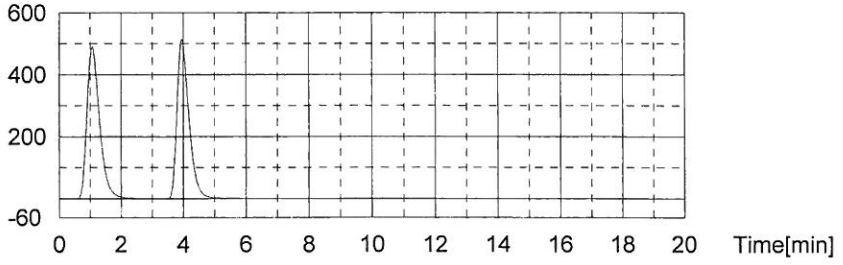
8.33

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1434	8.384mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 1:34:54 P
2	1417	8.284mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 1:40:13 P

Mean Area 1426
Mean Conc. 8.334mg/L



Sample

Sample Name: 25236-05 doc
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.320mg/L

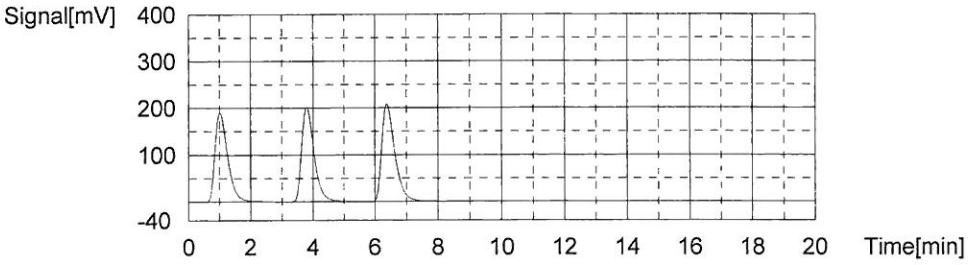
3.32

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	561.4	3.256mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 1:57:42 P
2	583.0	3.383mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 2:02:23 P
3	621.2	3.608mg/L	2500uL	1	E	05092016 toc-3.2016_05_09_09_	8/18/2016 2:07:04 P

Mean Area 572.2
Mean Conc. 3.320mg/L



Sample

Sample Name: 25236-06 doc
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.737mg/L

~~3.73~~ (R)

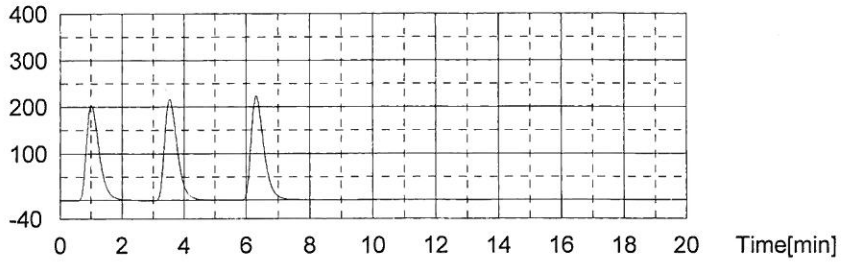
3.74

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	600.3	3.485mg/L	2500uL	1	E	05092016 toc-3.2016_05_09_09_	8/18/2016 2:18:15 P
2	639.5	3.715mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 2:23:24 P
3	647.0	3.759mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 2:28:07 P

Mean Area 643.3
Mean Conc. 3.737mg/L



Sample

Sample Name: 25236-07 doc
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.663mg/L

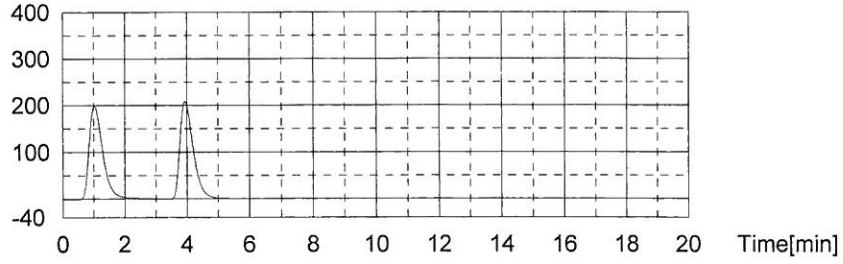
3.66

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	622.2	3.614mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 2:39:42 P
2	639.1	3.713mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 2:44:38 P

Mean Area 630.7
Mean Conc. 3.663mg/L



Sample

Sample Name: 25236-08 doc
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.537mg/L

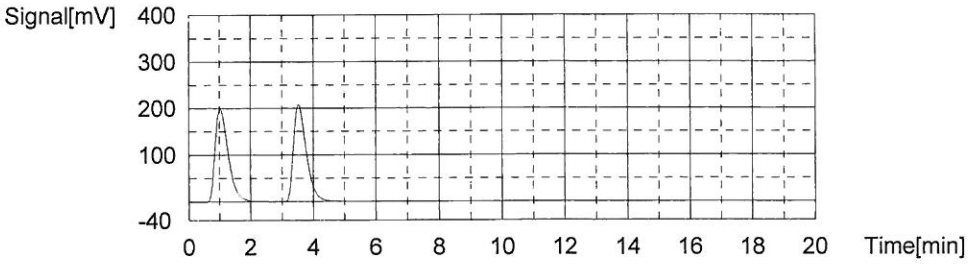
3.54

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	606.7	3.522mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 2:56:04 P
2	611.8	3.552mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 3:00:50 P

Mean Area 609.3
Mean Conc. 3.537mg/L



Sample

Sample Name: ccv 2ppm
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.019mg/L

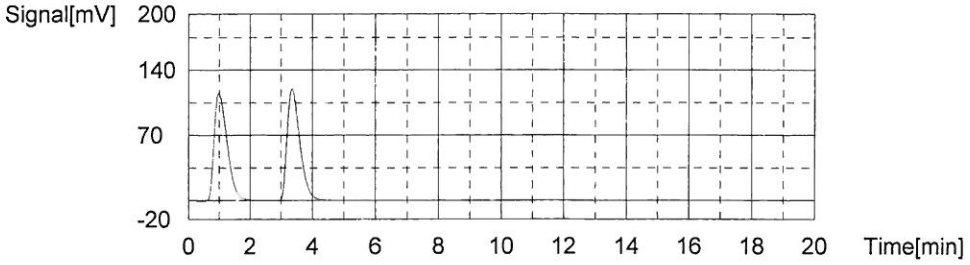
✓

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	352.0	2.026mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 3:12:08 P
2	349.6	2.012mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 3:16:27 P

Mean Area 350.8
Mean Conc. 2.019mg/L



Sample

Sample Name: ccb
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

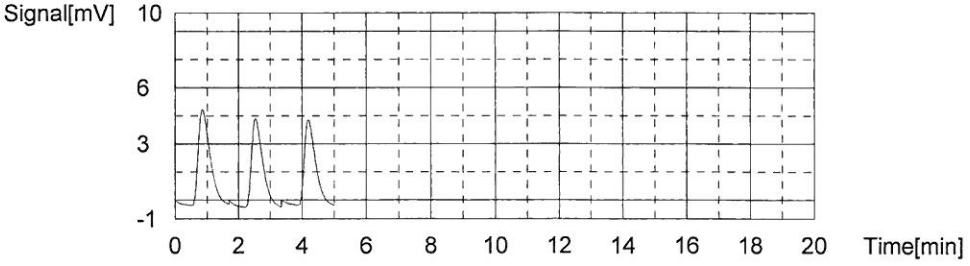
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.02579mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.43	0.03633mg/L	2500uL	1	E	05092016 toc-3.2016_05_09_09_	8/18/2016 3:27:04 P
2	11.93	0.02752mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 3:31:42 P
3	11.34	0.02405mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 3:36:17 P

Mean Area 11.64
Mean Conc. 0.02579mg/l



Sample

Sample Name: fb doc 25236 8/18 12:05
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1103mg/L

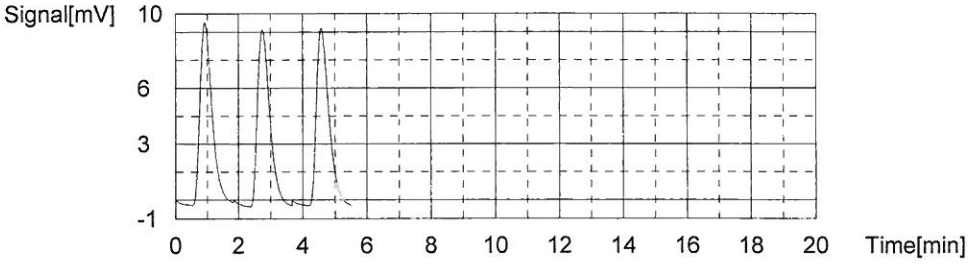
0.11

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	26.78	0.1148mg/L	2500uL	1	E	05092016 toc-3.2016_05_09_09_	8/18/2016 3:46:48 P
2	25.89	0.1096mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 3:51:35 P
3	26.14	0.1110mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 3:56:17 P

Mean Area 26.02
Mean Conc. 0.1103mg/L



Sample

Sample Name: 25236-01 eb doc
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3194mg/L

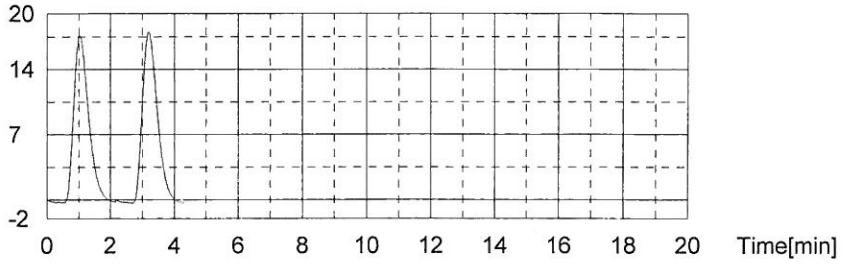
0.32

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	61.77	0.3204mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 4:07:08 P
2	61.44	0.3184mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 4:11:23 P

Mean Area 61.61
Mean Conc. 0.3194mg/L



Sample

Sample Name: 25236-02 doc
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.011mg/L

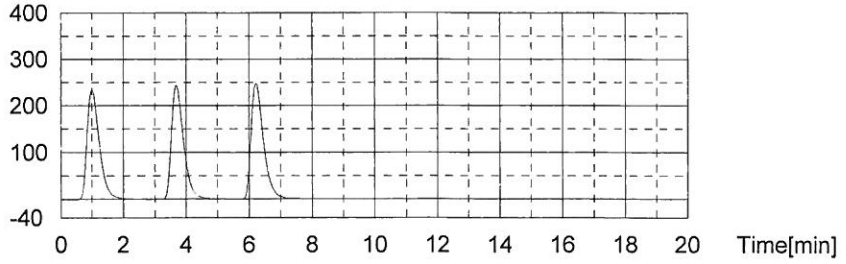
4.01

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	656.0	3.812mg/L	2500uL	1	E	05092016 toc-3.2016_05_09_09_	8/18/2016 4:23:01 P
2	680.8	3.958mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 4:27:39 P
3	699.0	4.065mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 4:32:23 P

Mean Area 689.9
Mean Conc. 4.011mg/L



Sample

Sample Name: 25236-03 doc
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.795mg/L

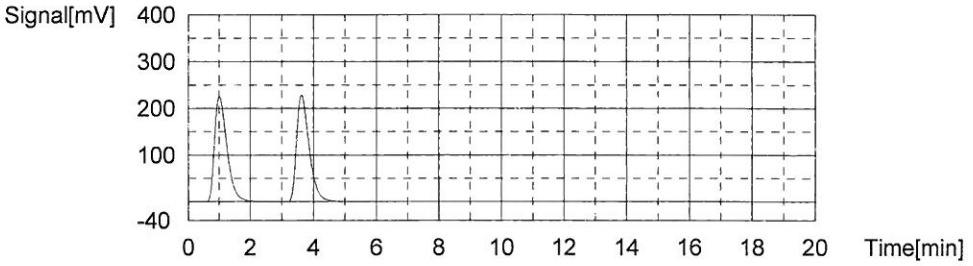
3.80

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	653.1	3.795mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 4:43:41 P
2	653.1	3.795mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 4:48:17 P

Mean Area 653.1
Mean Conc. 3.795mg/L



Sample

Sample Name: 25236-04 doc
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.763mg/L

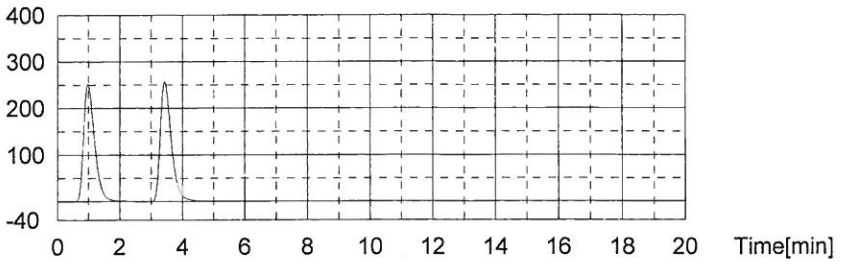
3.76

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	641.4	3.726mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 4:59:40 P
2	653.8	3.799mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 5:04:19 P

Mean Area 647.6
Mean Conc. 3.763mg/L



Sample

Sample Name: 25236-09 doc
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.442mg/L

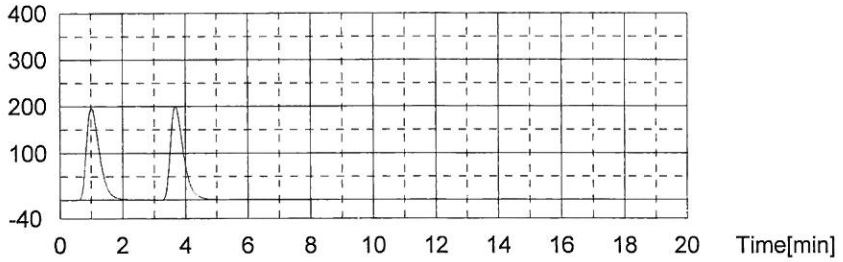
3.44

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	586.7	3.405mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 5:15:56 P
2	599.3	3.479mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 5:20:41 P

Mean Area 593.0
Mean Conc. 3.442mg/L



Sample

Sample Name: 25236-10 doc
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.572mg/L

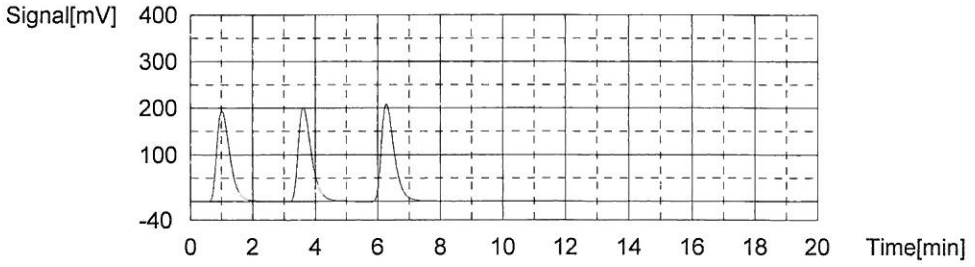
3.57

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	582.1	3.378mg/L	2500uL	1	E	05092016 toc-3.2016_05_09_09_	8/18/2016 5:32:14 P
2	614.8	3.570mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 5:37:11 P
3	615.3	3.573mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 5:41:53 P

Mean Area 615.1
Mean Conc. 3.572mg/L



Sample

Sample Name: 25236-11 doc
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.637mg/L

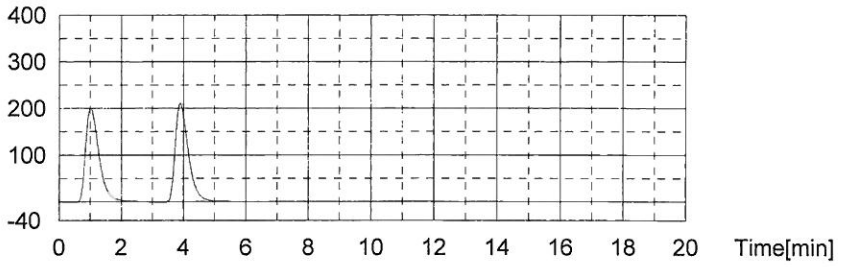
3.64

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	619.0	3.595mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 5:53:27 P
2	633.5	3.680mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 5:58:06 P

Mean Area 626.3
Mean Conc. 3.637mg/L



Sample

Sample Name: 25236-3 dup
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.528mg/L

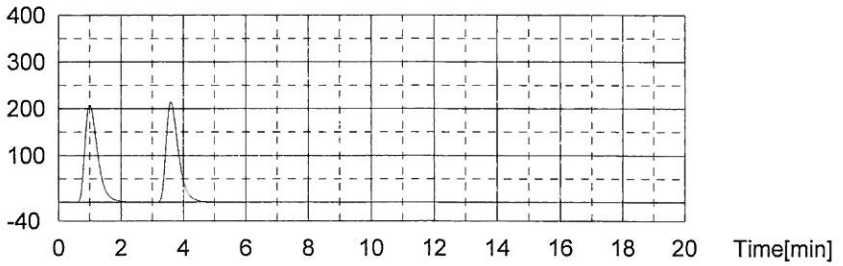
3.53

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	601.8	3.494mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 6:40:39 P
2	613.4	3.562mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 6:45:15 P

Mean Area 607.6
Mean Conc. 3.528mg/L



Sample

Sample Name: 25236-3 ms
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:7.497mg/L

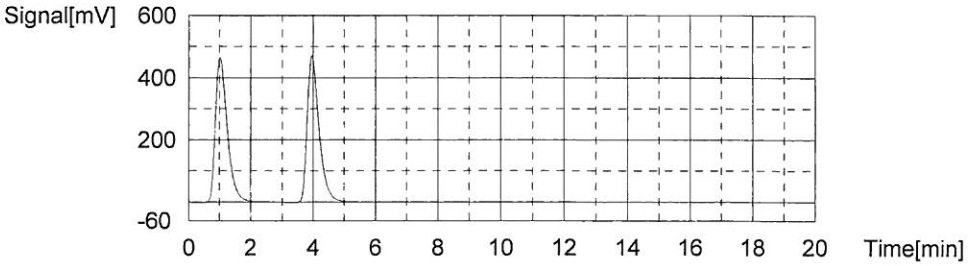
7.52
~~7.47~~

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1280	7.479mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 6:57:08 P
2	1286	7.514mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 7:02:05 P

Mean Area 1283
Mean Conc. 7.497mg/L



Sample

Sample Name: ccv 2ppm
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

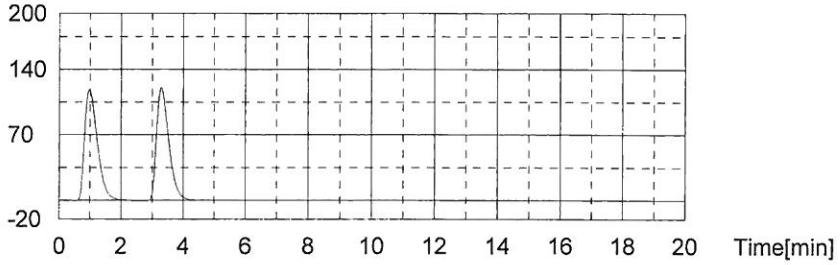
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.990mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	348.0	2.002mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 7:13:20 P
2	343.7	1.977mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 7:17:42 P

Mean Area 345.9
Mean Conc. 1.990mg/L



Sample

Sample Name: ccb
Sample ID:
Origin: toc-3 2 reps method.met
Status Completed
Chk. Result

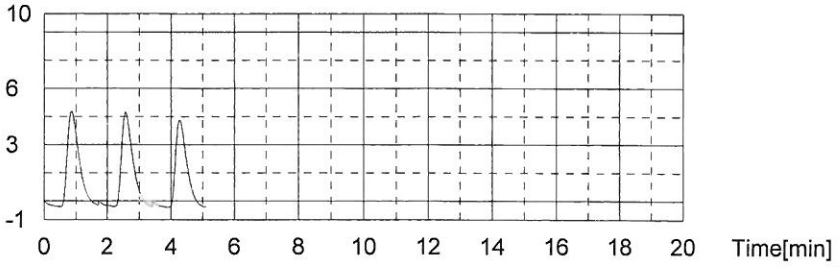
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.03378mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.35	0.03586mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 7:28:21 P
2	12.64	0.03169mg/L	2500uL	1		05092016 toc-3.2016_05_09_09_	8/18/2016 7:32:59 P
3	11.61	0.02564mg/L	2500uL	1	E	05092016 toc-3.2016_05_09_09_	8/18/2016 7:37:34 P

Mean Area 13.00
Mean Conc. 0.03378mg/l



Work Group

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 19 2016, 11:56 am

Work Group: WG923744 for Department: 7 Wet Chemistry

Created: 18-AUG-16 Due: Operator: DW

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1625236-01	EB 20160811	S	TOC-5310	WATER	DONE	U	0908	0819	2E	Vial-D
L1625236-02	SW1A-20160810	S	TOC-5310	WATER	DONE	U	0907	0819	2E	Vial-D
L1625236-03	SW1B-20160810	S	TOC-5310	WATER	DONE	U	0907	0819	2E	Vial-D
L1625236-04	SW1C-20160810	S	TOC-5310	WATER	DONE	U	0907	0819	2E	Vial-D
L1625236-05	SW2A-20160810	S	TOC-5310	WATER	DONE	U	0907	0819	2E	Vial-D
L1625236-06	SW2B-20160810	S	TOC-5310	WATER	DONE	U	0907	0819	2E	Vial-D
L1625236-07	SW2C-20160810	S	TOC-5310	WATER	DONE	U	0907	0819	2E	Vial-D
L1625236-08	SW3A-20160810	S	TOC-5310	WATER	DONE	U	0907	0819	2E	Vial-D
L1625236-09	SW3B-20160810	S	TOC-5310	WATER	DONE	U	0907	0819	2E	Vial-D
L1625236-10	SW3C-20160810	S	TOC-5310	WATER	DONE	U	0907	0819	2E	Vial-D
L1625236-11	DUP-20160810	S	TOC-5310	WATER	DONE	U	0907	0819	2E	Vial-D
WG923744-1	Laboratory Method Bl	S	TOC-5310	WATER	DONE	U				
WG923744-2	Laboratory Control S	S	TOC-5310	WATER	DONE	U				
WG923744-3	Duplicate Sample	S	TOC-5310	WATER	DONE	U				
WG923744-4	Matrix Spike	S	TOC-5310	WATER	DONE	U				

Comments:

WG923744-3	L1625236-03
WG923744-4	L1625236-03

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 19 2016, 11:56 am

Work Group: WG923745 for Department: 7 Wet Chemistry

Created: 18-AUG-16 Due: Operator: DW

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1625236-01	EB 20160811	S	DOC-5310	WATER	DONE	U	0908	0819	2E	Vial-D
L1625236-02	SW1A-20160810	S	DOC-5310	WATER	DONE	U	0907	0819	2E	Vial-D
L1625236-03	SW1B-20160810	S	DOC-5310	WATER	DONE	U	0907	0819	2E	Vial-D
L1625236-04	SW1C-20160810	S	DOC-5310	WATER	DONE	U	0907	0819	2E	Vial-D
L1625236-05	SW2A-20160810	S	DOC-5310	WATER	DONE	U	0907	0819	2E	Vial-D
L1625236-06	SW2B-20160810	S	DOC-5310	WATER	DONE	U	0907	0819	2E	Vial-D
L1625236-07	SW2C-20160810	S	DOC-5310	WATER	DONE	U	0907	0819	2E	Vial-D
L1625236-08	SW3A-20160810	S	DOC-5310	WATER	DONE	U	0907	0819	2E	Vial-D
L1625236-09	SW3B-20160810	S	DOC-5310	WATER	DONE	U	0907	0819	2E	Vial-D
L1625236-10	SW3C-20160810	S	DOC-5310	WATER	DONE	U	0907	0819	2E	Vial-D
L1625236-11	DUP-20160810	S	DOC-5310	WATER	DONE	U	0907	0819	2E	Vial-D
WG923745-1	Laboratory Method Bl	S	DOC-5310	WATER	DONE	U				
WG923745-2	Laboratory Control S	S	DOC-5310	WATER	DONE	U				
WG923745-3	Duplicate Sample	S	DOC-5310	WATER	DONE	U				
WG923745-4	Matrix Spike	S	DOC-5310	WATER	DONE	U				

Comments:

WG923745-3	L1625236-03
WG923745-4	L1625236-03

Alpha Report

ANALYTICAL REPORT

Lab Number:	L1625236
Client:	Anchor QEA, LLC 720 Olive Way Suite 1900 Seattle, WA 98101
ATTN:	Cindy Fields
Phone:	(818) 422-4820
Project Name:	FORMER GLENS FALLS OU-2
Project Number:	E50593-01.01
Report Date:	08/19/16

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1625236-01	EB 20160811	WATER	GLENS FALLS, NY	08/11/16 10:00	08/11/16
L1625236-02	SW1A-20160810	WATER	GLENS FALLS, NY	08/10/16 11:05	08/11/16
L1625236-03	SW1B-20160810	WATER	GLENS FALLS, NY	08/10/16 10:55	08/11/16
L1625236-04	SW1C-20160810	WATER	GLENS FALLS, NY	08/10/16 10:40	08/11/16
L1625236-05	SW2A-20160810	WATER	GLENS FALLS, NY	08/10/16 10:00	08/11/16
L1625236-06	SW2B-20160810	WATER	GLENS FALLS, NY	08/10/16 09:50	08/11/16
L1625236-07	SW2C-20160810	WATER	GLENS FALLS, NY	08/10/16 09:45	08/11/16
L1625236-08	SW3A-20160810	WATER	GLENS FALLS, NY	08/10/16 12:35	08/11/16
L1625236-09	SW3B-20160810	WATER	GLENS FALLS, NY	08/10/16 12:28	08/11/16
L1625236-10	SW3C-20160810	WATER	GLENS FALLS, NY	08/10/16 12:23	08/11/16
L1625236-11	DUP-20160810	WATER	GLENS FALLS, NY	08/10/16 00:00	08/11/16
L1625236-12	TRIP BLANK-20160811	WATER	GLENS FALLS, NY	08/11/16 00:00	08/11/16

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236
Project Number: E50593-01.01 **Report Date:** 08/19/16

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	FORMER GLENS FALLS OU-2	**Lab Number:**	L1625236
Project Number:	E50593-01.01	**Report Date:**	08/19/16

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

The WG923932-3/-4 LCS/LCSD recoveries, associated with L1625236-01 through -12, are below the individual acceptance criteria for Iodomethane (68%/69%), Naphthalene (53%/66%) and 1,2,3-Trichlorobenzene (50%/68%), but within the overall method allowances. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for these compounds. In addition, the WG923932-3/-4 LCS/LCSD RPD(s) are above the acceptance criteria for Naphthalene (22%) and 1,2,3-Trichlorobenzene (31%).

The WG923932-5 Method Blank, associated with L1625236-01 through -12, has concentrations above the reporting limits for Hexachlorobutadiene. Since the sample(s) were non-detect to the RL for these target analytes, no further actions were taken. The results of the original analysis are reported.

Semivolatile Organics

The WG923180-2/3 LCS/LCSD recoveries and RPD(s) are above the acceptance criteria for 1,3-Dichlorobenzene, Hexachloroethane, Hexachlorobutadiene, Hexachlorocyclopentadiene and Benzidine, but within the overall method allowances. No further actions were taken. The results of the original analysis are reported.

The WG923180-4/5 MS/MSD recoveries, performed on L1625236-03, are outside the acceptance criteria for several compounds; however, the associated LCS/LCSD recoveries are within overall method allowances.

Dissolved Organic Carbon

L1625236-02, -03, -04, -06, -07, -08, -10, and -11: The DOC result is greater than the TOC result due to the filtering procedure required by the DOC method.

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236
Project Number: E50593-01.01 **Report Date:** 08/19/16

Case Narrative (continued)

Total Organic Carbon

The WG923744-4 MS recovery, performed on L1625236-03, is outside the acceptance criteria (123%); however, the associated LCS recoveries are within criteria. No further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Porta

Title: Technical Director/Representative Date: 08/19/16

ORGANICS

VOLATILES

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-01
Client ID: EB 20160811
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/18/16 10:32
Analyst: PD

Date Collected: 08/11/16 10:00
Date Received: 08/11/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-01 Date Collected: 08/11/16 10:00

Client ID: EB 20160811 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	5.0		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	95		70-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-02
Client ID: SW1A-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/18/16 11:28
Analyst: PD

Date Collected: 08/10/16 11:05
Date Received: 08/11/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-02 Date Collected: 08/10/16 11:05

Client ID: SW1A-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	95		70-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-03
Client ID: SW1B-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/18/16 11:56
Analyst: PD

Date Collected: 08/10/16 10:55
Date Received: 08/11/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-03 Date Collected: 08/10/16 10:55

Client ID: SW1B-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	93		70-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-04
Client ID: SW1C-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/18/16 12:25
Analyst: PD

Date Collected: 08/10/16 10:40
Date Received: 08/11/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-04 Date Collected: 08/10/16 10:40

Client ID: SW1C-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	1.7	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	96		70-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-05
Client ID: SW2A-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/18/16 12:53
Analyst: PD

Date Collected: 08/10/16 10:00
Date Received: 08/11/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-05 Date Collected: 08/10/16 10:00

Client ID: SW2A-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	94		70-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-06
Client ID: SW2B-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/18/16 13:21
Analyst: PD

Date Collected: 08/10/16 09:50
Date Received: 08/11/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	0.17	J	ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-06 Date Collected: 08/10/16 09:50

Client ID: SW2B-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	94		70-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-07
Client ID: SW2C-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/18/16 13:49
Analyst: PD

Date Collected: 08/10/16 09:45
Date Received: 08/11/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-07 Date Collected: 08/10/16 09:45

Client ID: SW2C-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	94		70-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-08
Client ID: SW3A-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/18/16 14:17
Analyst: PD

Date Collected: 08/10/16 12:35
Date Received: 08/11/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-08 Date Collected: 08/10/16 12:35

Client ID: SW3A-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	95		70-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-09
Client ID: SW3B-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/18/16 14:45
Analyst: PD

Date Collected: 08/10/16 12:28
Date Received: 08/11/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-09 Date Collected: 08/10/16 12:28

Client ID: SW3B-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	97		70-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-10
Client ID: SW3C-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/18/16 15:14
Analyst: PD

Date Collected: 08/10/16 12:23
Date Received: 08/11/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-10 Date Collected: 08/10/16 12:23

Client ID: SW3C-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	95		70-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-11
Client ID: DUP-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/18/16 15:42
Analyst: PD

Date Collected: 08/10/16 00:00
Date Received: 08/11/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	0.16	J	ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	ND		ug/l	2.5	0.18	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-11 Date Collected: 08/10/16 00:00

Client ID: DUP-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	96		70-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-12
Client ID: TRIP BLANK-20160811
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/18/16 11:00
Analyst: PD

Date Collected: 08/11/16 00:00
Date Received: 08/11/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	0.29	1
1,1-Dichloroethane	ND		ug/l	0.75	0.21	1
Chloroform	ND		ug/l	0.75	0.16	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.8	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.18	1
Trichlorofluoromethane	ND		ug/l	2.5	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	0.75	0.16	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
Chloromethane	0.19	J	ug/l	2.5	0.18	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	1.0	0.13	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-12 Date Collected: 08/11/16 00:00

Client ID: TRIP BLANK-20160811 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.24	1
Acetone	2.3	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.52	1
Bromochloromethane	ND		ug/l	2.5	0.14	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
Methyl Acetate	ND		ug/l	10	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	10	0.15	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	94		70-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/18/16 10:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-12 Batch: WG923932-5					
Methylene chloride	ND		ug/l	3.0	0.29
1,1-Dichloroethane	ND		ug/l	0.75	0.21
Chloroform	ND		ug/l	0.75	0.16
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.8	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	0.75	0.14
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	0.50	0.18
Trichlorofluoromethane	ND		ug/l	2.5	0.16
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	0.75	0.16
Ethylbenzene	ND		ug/l	0.50	0.17
Chloromethane	ND		ug/l	2.5	0.18
Bromomethane	ND		ug/l	1.0	0.26
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	1.0	0.13
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.16
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/18/16 10:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-12 Batch: WG923932-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.19
Methyl tert butyl ether	ND		ug/l	1.0	0.16
p/m-Xylene	ND		ug/l	1.0	0.33
o-Xylene	ND		ug/l	1.0	0.33
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19
Styrene	ND		ug/l	1.0	0.36
Dichlorodifluoromethane	ND		ug/l	5.0	0.24
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	0.30
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	0.31
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42
2-Hexanone	ND		ug/l	5.0	0.52
Bromochloromethane	ND		ug/l	2.5	0.14
1,2-Dibromoethane	ND		ug/l	2.0	0.19
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33
Isopropylbenzene	ND		ug/l	0.50	0.19
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22
Methyl Acetate	ND		ug/l	10	0.23
Cyclohexane	ND		ug/l	10	0.27
Freon-113	ND		ug/l	10	0.15
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/18/16 10:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-12 Batch: WG923932-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2

Project Number: E50593-01.01

Lab Number: L1625236

Report Date: 08/19/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG923932-3 WG923932-4								
Methylene chloride	93		91		70-130	2		20
1,1-Dichloroethane	99		98		70-130	1		20
Chloroform	96		94		70-130	2		20
Carbon tetrachloride	93		91		63-132	2		20
1,2-Dichloropropane	94		92		70-130	2		20
Dibromochloromethane	84		80		63-130	5		20
1,1,2-Trichloroethane	83		80		70-130	4		20
2-Chloroethylvinyl ether	76		75		70-130	1		20
Tetrachloroethene	93		94		70-130	1		20
Chlorobenzene	93		92		75-130	1		25
Trichlorofluoromethane	96		95		62-150	1		20
1,2-Dichloroethane	87		86		70-130	1		20
1,1,1-Trichloroethane	97		96		67-130	1		20
Bromodichloromethane	89		89		67-130	0		20
trans-1,3-Dichloropropene	86		83		70-130	4		20
cis-1,3-Dichloropropene	89		87		70-130	2		20
1,1-Dichloropropene	96		95		70-130	1		20
Bromoform	83		77		54-136	8		20
1,1,2,2-Tetrachloroethane	84		84		67-130	0		20
Benzene	97		95		70-130	2		25
Toluene	98		97		70-130	1		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG923932-3 WG923932-4								
Ethylbenzene	96		94		70-130	2		20
Chloromethane	89		89		64-130	0		20
Bromomethane	88		86		39-139	2		20
Vinyl chloride	97		96		55-140	1		20
Chloroethane	91		88		55-138	3		20
1,1-Dichloroethene	94		93		61-145	1		25
trans-1,2-Dichloroethene	98		95		70-130	3		20
Trichloroethene	93		92		70-130	1		25
1,2-Dichlorobenzene	90		89		70-130	1		20
1,3-Dichlorobenzene	95		94		70-130	1		20
1,4-Dichlorobenzene	94		91		70-130	3		20
Methyl tert butyl ether	75		74		63-130	1		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		85		70-130	6		20
cis-1,2-Dichloroethene	96		95		70-130	1		20
Dibromomethane	82		81		70-130	1		20
1,4-Dichlorobutane	90		88		70-130	2		20
Iodomethane	**68**	Q	**69**	Q	70-130	1		20
1,2,3-Trichloropropane	86		85		64-130	1		20
Styrene	85		85		70-130	0		20
Dichlorodifluoromethane	78		76		36-147	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2

Project Number: E50593-01.01

Lab Number: L1625236

Report Date: 08/19/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG923932-3 WG923932-4								
Acetone	90		87		58-148	3		20
Carbon disulfide	92		90		51-130	2		20
2-Butanone	91		85		63-138	7		20
Vinyl acetate	82		79		70-130	4		20
4-Methyl-2-pentanone	67		68		59-130	1		20
2-Hexanone	79		71		57-130	11		20
Ethyl methacrylate	77		73		70-130	5		20
Acrolein	81		76		70-130	6		20
Acrylonitrile	81		77		70-130	5		20
Bromochloromethane	89		89		70-130	0		20
Tetrahydrofuran	78		75		58-130	4		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	83		80		70-130	4		20
1,3-Dichloropropane	86		84		70-130	2		20
1,1,1,2-Tetrachloroethane	87		85		64-130	2		20
Bromobenzene	97		95		70-130	2		20
n-Butylbenzene	100		99		53-136	1		20
sec-Butylbenzene	100		98		70-130	2		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG923932-3 WG923932-4								
1,2-Dibromo-3-chloropropane	75		69		41-144	8		20
Hexachlorobutadiene	110		110		63-130	0		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		97		70-130	3		20
Naphthalene	**53**	Q	**66**	Q	70-130	**22**	Q	20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	**50**	Q	**68**	Q	70-130	**31**	Q	20
1,2,4-Trichlorobenzene	71		77		70-130	8		20
1,3,5-Trimethylbenzene	100		99		64-130	1		20
1,3,5-Trichlorobenzene	90		92		70-130	2		20
1,2,4-Trimethylbenzene	100		98		70-130	2		20
trans-1,4-Dichloro-2-butene	83		81		70-130	2		20
Halothane	95		91		70-130	4		20
Ethyl ether	79		79		59-134	0		20
Methyl Acetate	77		72		70-130	7		20
Ethyl Acetate	76		74		70-130	3		20
Isopropyl Ether	88		87		70-130	1		20
Cyclohexane	94		92		70-130	2		20
Tert-Butyl Alcohol	118		116		70-130	2		20
Ethyl-Tert-Butyl-Ether	78		77		70-130	1		20
Tertiary-Amyl Methyl Ether	74		73		66-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2

Project Number: E50593-01.01

Lab Number: L1625236

Report Date: 08/19/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG923932-3 WG923932-4								
1,4-Dioxane	78		72		56-162	8		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	94		90		70-130	4		20
Methyl cyclohexane	88		86		70-130	2		20
p-Diethylbenzene	99		96		70-130	3		20
4-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	92		93		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	85		87		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	111		109		70-130
Dibromofluoromethane	92		93		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG923932-6 WG923932-7 QC Sample: L1625236-03 Client ID: SW1B-20160810												
Methylene chloride	ND	10	10	100		10	100		70-130	0		20
1,1-Dichloroethane	ND	10	11	110		11	110		70-130	0		20
Chloroform	ND	10	11	110		11	110		70-130	0		20
Carbon tetrachloride	ND	10	11	110		11	110		63-132	0		20
1,2-Dichloropropane	ND	10	11	110		11	110		70-130	0		20
Dibromochloromethane	ND	10	9.7	97		9.6	96		63-130	1		20
1,1,2-Trichloroethane	ND	10	10	100		10	100		70-130	0		20
Tetrachloroethene	ND	10	11	110		10	100		70-130	10		20
Chlorobenzene	ND	10	10	100		10	100		75-130	0		25
Trichlorofluoromethane	ND	10	11	110		11	110		62-150	0		20
1,2-Dichloroethane	ND	10	10	100		10	100		70-130	0		20
1,1,1-Trichloroethane	ND	10	11	110		11	110		67-130	0		20
Bromodichloromethane	ND	10	10	100		10	100		67-130	0		20
trans-1,3-Dichloropropene	ND	10	10	100		10	100		70-130	0		20
cis-1,3-Dichloropropene	ND	10	10	100		10	100		70-130	0		20
1,1-Dichloropropene	ND	10	11	110		11	110		70-130	0		20
Bromoform	ND	10	9.3	93		9.4	94		54-136	1		20
1,1,2,2-Tetrachloroethane	ND	10	11	110		10	100		67-130	10		20
Benzene	ND	10	11	110		11	110		70-130	0		25
Toluene	ND	10	11	110		11	110		70-130	0		25
Ethylbenzene	ND	10	10	100		10	100		70-130	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG923932-6 WG923932-7 QC Sample: L1625236-03 Client ID: SW1B-20160810												
Chloromethane	ND	10	9.9	99		10	100		64-130	1		20
Bromomethane	ND	10	8.0	80		9.2	92		39-139	14		20
Vinyl chloride	ND	10	12	120		12	120		55-140	0		20
Chloroethane	ND	10	12	120		12	120		55-138	0		20
1,1-Dichloroethene	ND	10	11	110		11	110		61-145	0		25
trans-1,2-Dichloroethene	ND	10	11	110		11	110		70-130	0		20
Trichloroethene	ND	10	10	100		10	100		70-130	0		25
1,2-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,3-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,4-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
Methyl tert butyl ether	ND	10	9.9	99		9.8	98		63-130	1		20
p/m-Xylene	ND	20	20	100		20	100		70-130	0		20
o-Xylene	ND	20	20	100		20	100		70-130	0		20
cis-1,2-Dichloroethene	ND	10	11	110		11	110		70-130	0		20
Dibromomethane	ND	10	10	100		10	100		70-130	0		20
1,4-Dichlorobutane	ND	10	11	110		11	110		70-130	0		20
Iodomethane	ND	10	7.9	79		8.1	81		70-130	2		20
1,2,3-Trichloropropane	ND	10	9.1	91		9.5	95		64-130	4		20
Styrene	ND	20	19	95		19	95		70-130	0		20
Dichlorodifluoromethane	ND	10	8.8	88		8.8	88		36-147	0		20
Acetone	ND	10	12	120		11	110		58-148	9		20

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG923932-6 WG923932-7 QC Sample: L1625236-03 Client ID: SW1B-20160810												
Carbon disulfide	ND	10	10	100		10	100		51-130	0		20
2-Butanone	ND	10	10	100		10	100		63-138	0		20
Vinyl acetate	ND	10	10	100		9.9	99		70-130	1		20
4-Methyl-2-pentanone	ND	10	9.3	93		9.4	94		59-130	1		20
2-Hexanone	ND	10	10	100		9.4	94		57-130	6		20
Ethyl methacrylate	ND	10	10	100		10	100		70-130	0		20
Acrolein	ND	10	9.5	95		10	100		70-130	5		20
Acrylonitrile	ND	10	9.8	98		10	100		70-130	2		20
Bromochloromethane	ND	10	10	100		10	100		70-130	0		20
Tetrahydrofuran	ND	10	10	100		10	100		58-130	0		20
2,2-Dichloropropane	ND	10	12	120		12	120		63-133	0		20
1,2-Dibromoethane	ND	10	10	100		9.9	99		70-130	1		20
1,3-Dichloropropane	ND	10	10	100		10	100		70-130	0		20
1,1,1,2-Tetrachloroethane	ND	10	9.9	99		10	100		64-130	1		20
Bromobenzene	ND	10	10	100		10	100		70-130	0		20
n-Butylbenzene	ND	10	10	100		10	100		53-136	0		20
sec-Butylbenzene	ND	10	10	100		10	100		70-130	0		20
tert-Butylbenzene	ND	10	11	110		10	100		70-130	10		20
o-Chlorotoluene	ND	10	8.7	87		8.6	86		70-130	1		20
p-Chlorotoluene	ND	10	11	110		11	110		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	10	10	100		9.6	96		41-144	4		20

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG923932-6 WG923932-7 QC Sample: L1625236-03 Client ID: SW1B-20160810												
Hexachlorobutadiene	ND	10	9.7	97		11	110		63-130	13		20
Isopropylbenzene	ND	10	11	110		11	110		70-130	0		20
p-Isopropyltoluene	ND	10	10	100		10	100		70-130	0		20
Naphthalene	ND	10	10	100		11	110		70-130	10		20
n-Propylbenzene	ND	10	11	110		11	110		69-130	0		20
1,2,3-Trichlorobenzene	ND	10	10	100		12	120		70-130	18		20
1,2,4-Trichlorobenzene	ND	10	10	100		11	110		70-130	10		20
1,3,5-Trimethylbenzene	ND	10	10	100		10	100		64-130	0		20
1,3,5-Trichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,2,4-Trimethylbenzene	ND	10	11	110		10	100		70-130	10		20
trans-1,4-Dichloro-2-butene	ND	10	8.7	87		9.4	94		70-130	8		20
Halothane	ND	10	10	100		11	110		70-130	10		30
Ethyl ether	ND	10	9.8	98		9.7	97		59-134	1		20
Methyl Acetate	ND	10	9.2J	92		9.2J	92		70-130	0		20
Ethyl Acetate	ND	10	9.8J	98		9.6J	96		70-130	2		20
Isopropyl Ether	ND	10	11	110		11	110		70-130	0		20
Cyclohexane	ND	10	11	110		11	110		70-130	0		20
Tert-Butyl Alcohol	ND	50	57	114		75	**150**	Q	70-130	**27**	Q	20
Ethyl-Tert-Butyl-Ether	ND	10	9.9	99		9.9	99		70-130	0		20
Tertiary-Amyl Methyl Ether	ND	10	9.6	96		9.6	96		66-130	0		20
1,4-Dioxane	ND	500	170J	**34**	Q	430	86		56-162	**87**	Q	20

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG923932-6 WG923932-7 QC Sample: L1625236-03 Client ID: SW1B-20160810												
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	10	100		10	100		70-130	0		20
Methyl cyclohexane	ND	10	9.8J	98		10	100		70-130	2		20
p-Diethylbenzene	ND	10	10	100		10	100		70-130	0		20
4-Ethyltoluene	ND	10	11	110		11	110		70-130	0		20
1,2,4,5-Tetramethylbenzene	ND	10	10	100		10	100		70-130	0		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		94		70-130
4-Bromofluorobenzene	108		108		70-130
Dibromofluoromethane	97		97		70-130
Toluene-d8	102		102		70-130

SEMIVOLATILES

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-01
Client ID: EB 20160811
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/17/16 14:39
Analyst: ML

Date Collected: 08/11/16 10:00
Date Received: 08/11/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/16/16 17:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.532	0.077	1
Pyridine	ND		ug/l	0.532	0.173	1
Benzaldehyde	ND		ug/l	2.13	0.126	1
Aniline	ND		ug/l	1.06	0.135	1
bis(2-Chloroethyl)ether	ND		ug/l	0.532	0.099	1
Phenol	ND		ug/l	0.532	0.055	1
2-Chlorophenol	ND		ug/l	0.532	0.097	1
1,3-Dichlorobenzene	ND		ug/l	0.532	0.083	1
1,4-Dichlorobenzene	ND		ug/l	0.532	0.088	1
1,2-Dichlorobenzene	ND		ug/l	0.532	0.072	1
Benzyl alcohol	ND		ug/l	0.532	0.131	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.532	0.115	1
2-Methylphenol	ND		ug/l	0.532	0.111	1
Acetophenone	ND		ug/l	1.06	0.220	1
Hexachloroethane	ND		ug/l	0.532	0.108	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.532	0.131	1
4-Methylphenol	ND		ug/l	0.532	0.120	1
Nitrobenzene	ND		ug/l	0.532	0.108	1
Isophorone	ND		ug/l	0.532	0.134	1
2-Nitrophenol	ND		ug/l	0.532	0.122	1
2,4-Dimethylphenol	ND		ug/l	2.13	0.256	1
Benzoic acid	ND		ug/l	42.6	3.20	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.532	0.091	1
2,4-Dichlorophenol	ND		ug/l	0.532	0.106	1
1,2,4-Trichlorobenzene	ND		ug/l	0.532	0.102	1
4-Chloroaniline	ND		ug/l	0.532	0.136	1
Hexachlorobutadiene	ND		ug/l	0.532	0.091	1
Caprolactam	0.158	J	ug/l	2.13	0.131	1
4-Chloro-3-methylphenol	ND		ug/l	0.532	0.110	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.532	0.085	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-01 Date Collected: 08/11/16 10:00

Client ID: EB 20160811 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.532	0.163	1
2,4,6-Trichlorophenol	ND		ug/l	0.532	0.162	1
2,4,5-Trichlorophenol	ND		ug/l	0.532	0.097	1
Biphenyl	ND		ug/l	0.532	0.118	1
2-Chloronaphthalene	ND		ug/l	0.532	0.096	1
2-Nitroaniline	ND		ug/l	0.532	0.147	1
Dimethylphthalate	ND		ug/l	0.532	0.124	1
2,6-Dinitrotoluene	ND		ug/l	0.532	0.179	1
3-Nitroaniline	ND		ug/l	0.532	0.118	1
2,4-Dinitrophenol	ND		ug/l	5.32	0.774	1
Dibenzofuran	ND		ug/l	0.532	0.097	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.532	0.152	1
2,4-Dinitrotoluene	ND		ug/l	0.532	0.173	1
4-Nitrophenol	ND		ug/l	2.66	0.628	1
4-Chlorophenyl-phenylether	ND		ug/l	0.532	0.084	1
Diethylphthalate	ND		ug/l	0.532	0.191	1
4-Nitroaniline	ND		ug/l	0.532	0.119	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.13	0.542	1
Azobenzene	ND		ug/l	0.532	0.136	1
n-Nitrosodiphenylamine	ND		ug/l	0.532	0.077	1
4-Bromophenyl-phenylether	ND		ug/l	0.532	0.106	1
Hexachlorobenzene	ND		ug/l	0.532	0.130	1
Atrazine	ND		ug/l	0.532	0.170	1
Pentachlorophenol	ND		ug/l	2.13	0.457	1
Pentachloronitrobenzene	ND		ug/l	0.532	0.180	1
Carbazole	ND		ug/l	0.532	0.152	1
Di-n-butylphthalate	ND		ug/l	0.532	0.106	1
Benzidine	ND		ug/l	106	0.494	1
Butylbenzylphthalate	0.233	J	ug/l	0.532	0.090	1
3,3'-Dichlorobenzidine	ND		ug/l	0.532	0.205	1
bis(2-Ethylhexyl)phthalate	0.232	J	ug/l	0.532	0.086	1
Di-n-octylphthalate	ND		ug/l	1.06	0.084	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-01 Date Collected: 08/11/16 10:00

Client ID: EB 20160811 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		15-115
Phenol-d5	35		15-115
Nitrobenzene-d5	88		30-130
2-Fluorobiphenyl	78		30-130
2,4,6-Tribromophenol	90		15-115
Terphenyl-d14	93		30-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-01
Client ID: EB 20160811
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/17/16 22:47
Analyst: DP

Date Collected: 08/11/16 10:00
Date Received: 08/11/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/16/16 11:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	3.44	J	ng/l	10.8	1.90	1
2-Methylnaphthalene	1.48	J	ng/l	10.8	1.14	1
Acenaphthylene	ND		ng/l	10.8	1.90	1
Acenaphthene	ND		ng/l	10.8	1.73	1
Fluorene	ND		ng/l	10.8	1.86	1
Phenanthrene	4.79	J	ng/l	10.8	2.03	1
Anthracene	ND		ng/l	10.8	2.09	1
Fluoranthene	1.69	J	ng/l	10.8	1.60	1
Pyrene	ND		ng/l	10.8	1.63	1
Benz(a)anthracene	ND		ng/l	10.8	1.86	1
Chrysene	ND		ng/l	10.8	1.01	1
Benzo(b)fluoranthene	ND		ng/l	10.8	1.59	1
Benzo(k)fluoranthene	ND		ng/l	10.8	1.26	1
Benzo(a)pyrene	ND		ng/l	10.8	0.903	1
Indeno(1,2,3-cd)pyrene	ND		ng/l	10.8	0.573	1
Dibenz(a,h)anthracene	ND		ng/l	10.8	0.736	1
Benzo(g,h,i)perylene	ND		ng/l	10.8	1.41	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	78		30-130
Pyrene-d10	88		30-130
Benzo(b)fluoranthene-d12	91		30-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-02
Client ID: SW1A-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/17/16 15:12
Analyst: ML

Date Collected: 08/10/16 11:05
Date Received: 08/11/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/16/16 17:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.500	0.072	1
Pyridine	ND		ug/l	0.500	0.163	1
Benzaldehyde	ND		ug/l	2.00	0.119	1
Aniline	ND		ug/l	1.00	0.127	1
bis(2-Chloroethyl)ether	ND		ug/l	0.500	0.093	1
Phenol	ND		ug/l	0.500	0.051	1
2-Chlorophenol	ND		ug/l	0.500	0.091	1
1,3-Dichlorobenzene	ND		ug/l	0.500	0.078	1
1,4-Dichlorobenzene	ND		ug/l	0.500	0.083	1
1,2-Dichlorobenzene	ND		ug/l	0.500	0.068	1
Benzyl alcohol	ND		ug/l	0.500	0.123	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.500	0.108	1
2-Methylphenol	ND		ug/l	0.500	0.104	1
Acetophenone	ND		ug/l	1.00	0.207	1
Hexachloroethane	ND		ug/l	0.500	0.102	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.500	0.123	1
4-Methylphenol	ND		ug/l	0.500	0.113	1
Nitrobenzene	ND		ug/l	0.500	0.102	1
Isophorone	ND		ug/l	0.500	0.126	1
2-Nitrophenol	ND		ug/l	0.500	0.115	1
2,4-Dimethylphenol	ND		ug/l	2.00	0.241	1
Benzoic acid	ND		ug/l	40.0	3.01	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.500	0.085	1
2,4-Dichlorophenol	ND		ug/l	0.500	0.100	1
1,2,4-Trichlorobenzene	ND		ug/l	0.500	0.096	1
4-Chloroaniline	ND		ug/l	0.500	0.128	1
Hexachlorobutadiene	ND		ug/l	0.500	0.086	1
Caprolactam	0.268	J	ug/l	2.00	0.123	1
4-Chloro-3-methylphenol	ND		ug/l	0.500	0.103	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.500	0.080	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-02 Date Collected: 08/10/16 11:05

Client ID: SW1A-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.500	0.153	1
2,4,6-Trichlorophenol	ND		ug/l	0.500	0.152	1
2,4,5-Trichlorophenol	ND		ug/l	0.500	0.091	1
Biphenyl	ND		ug/l	0.500	0.111	1
2-Chloronaphthalene	ND		ug/l	0.500	0.090	1
2-Nitroaniline	ND		ug/l	0.500	0.138	1
Dimethylphthalate	ND		ug/l	0.500	0.117	1
2,6-Dinitrotoluene	ND		ug/l	0.500	0.168	1
3-Nitroaniline	ND		ug/l	0.500	0.111	1
2,4-Dinitrophenol	ND		ug/l	5.00	0.728	1
Dibenzofuran	ND		ug/l	0.500	0.091	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.500	0.143	1
2,4-Dinitrotoluene	ND		ug/l	0.500	0.163	1
4-Nitrophenol	ND		ug/l	2.50	0.590	1
4-Chlorophenyl-phenylether	ND		ug/l	0.500	0.079	1
Diethylphthalate	ND		ug/l	0.500	0.180	1
4-Nitroaniline	ND		ug/l	0.500	0.112	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.00	0.510	1
Azobenzene	ND		ug/l	0.500	0.128	1
n-Nitrosodiphenylamine	ND		ug/l	0.500	0.072	1
4-Bromophenyl-phenylether	ND		ug/l	0.500	0.100	1
Hexachlorobenzene	ND		ug/l	0.500	0.122	1
Atrazine	ND		ug/l	0.500	0.160	1
Pentachlorophenol	ND		ug/l	2.00	0.430	1
Pentachloronitrobenzene	ND		ug/l	0.500	0.169	1
Carbazole	ND		ug/l	0.500	0.143	1
Di-n-butylphthalate	ND		ug/l	0.500	0.100	1
Benzidine	ND		ug/l	100	0.464	1
Butylbenzylphthalate	0.289	J	ug/l	0.500	0.085	1
3,3'-Dichlorobenzidine	ND		ug/l	0.500	0.193	1
bis(2-Ethylhexyl)phthalate	0.226	J	ug/l	0.500	0.081	1
Di-n-octylphthalate	ND		ug/l	1.00	0.079	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-02 Date Collected: 08/10/16 11:05

Client ID: SW1A-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		15-115
Phenol-d5	29		15-115
Nitrobenzene-d5	81		30-130
2-Fluorobiphenyl	68		30-130
2,4,6-Tribromophenol	100		15-115
Terphenyl-d14	88		30-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-02
Client ID: SW1A-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/17/16 23:21
Analyst: DP

Date Collected: 08/10/16 11:05
Date Received: 08/11/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/16/16 11:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	2.36	J	ng/l	9.90	1.75	1
2-Methylnaphthalene	ND		ng/l	9.90	1.05	1
Acenaphthylene	1.78	J	ng/l	9.90	1.75	1
Acenaphthene	ND		ng/l	9.90	1.59	1
Fluorene	ND		ng/l	9.90	1.71	1
Phenanthrene	6.19	J	ng/l	9.90	1.87	1
Anthracene	ND		ng/l	9.90	1.92	1
Fluoranthene	12.1		ng/l	9.90	1.48	1
Pyrene	13.5		ng/l	9.90	1.50	1
Benz(a)anthracene	7.54	J	ng/l	9.90	1.71	1
Chrysene	6.33	J	ng/l	9.90	0.927	1
Benzo(b)fluoranthene	5.38	J	ng/l	9.90	1.46	1
Benzo(k)fluoranthene	6.61	J	ng/l	9.90	1.16	1
Benzo(a)pyrene	7.69	J	ng/l	9.90	0.832	1
Indeno(1,2,3-cd)pyrene	4.57	J	ng/l	9.90	0.528	1
Dibenz(a,h)anthracene	0.956	J	ng/l	9.90	0.678	1
Benzo(g,h,i)perylene	4.66	J	ng/l	9.90	1.30	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	71		30-130
Pyrene-d10	86		30-130
Benzo(b)fluoranthene-d12	88		30-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-03
Client ID: SW1B-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/17/16 15:45
Analyst: ML

Date Collected: 08/10/16 10:55
Date Received: 08/11/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/16/16 17:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.500	0.072	1
Pyridine	ND		ug/l	0.500	0.163	1
Benzaldehyde	ND		ug/l	2.00	0.119	1
Aniline	ND		ug/l	1.00	0.127	1
bis(2-Chloroethyl)ether	ND		ug/l	0.500	0.093	1
Phenol	ND		ug/l	0.500	0.051	1
2-Chlorophenol	ND		ug/l	0.500	0.091	1
1,3-Dichlorobenzene	ND		ug/l	0.500	0.078	1
1,4-Dichlorobenzene	ND		ug/l	0.500	0.083	1
1,2-Dichlorobenzene	ND		ug/l	0.500	0.068	1
Benzyl alcohol	ND		ug/l	0.500	0.123	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.500	0.108	1
2-Methylphenol	ND		ug/l	0.500	0.104	1
Acetophenone	ND		ug/l	1.00	0.207	1
Hexachloroethane	ND		ug/l	0.500	0.102	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.500	0.123	1
4-Methylphenol	ND		ug/l	0.500	0.113	1
Nitrobenzene	ND		ug/l	0.500	0.102	1
Isophorone	ND		ug/l	0.500	0.126	1
2-Nitrophenol	ND		ug/l	0.500	0.115	1
2,4-Dimethylphenol	ND		ug/l	2.00	0.241	1
Benzoic acid	ND		ug/l	40.0	3.01	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.500	0.085	1
2,4-Dichlorophenol	ND		ug/l	0.500	0.100	1
1,2,4-Trichlorobenzene	ND		ug/l	0.500	0.096	1
4-Chloroaniline	ND		ug/l	0.500	0.128	1
Hexachlorobutadiene	ND		ug/l	0.500	0.086	1
Caprolactam	0.345	J	ug/l	2.00	0.123	1
4-Chloro-3-methylphenol	ND		ug/l	0.500	0.103	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.500	0.080	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-03 Date Collected: 08/10/16 10:55

Client ID: SW1B-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.500	0.153	1
2,4,6-Trichlorophenol	ND		ug/l	0.500	0.152	1
2,4,5-Trichlorophenol	ND		ug/l	0.500	0.091	1
Biphenyl	ND		ug/l	0.500	0.111	1
2-Chloronaphthalene	ND		ug/l	0.500	0.090	1
2-Nitroaniline	ND		ug/l	0.500	0.138	1
Dimethylphthalate	ND		ug/l	0.500	0.117	1
2,6-Dinitrotoluene	ND		ug/l	0.500	0.168	1
3-Nitroaniline	ND		ug/l	0.500	0.111	1
2,4-Dinitrophenol	ND		ug/l	5.00	0.728	1
Dibenzofuran	ND		ug/l	0.500	0.091	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.500	0.143	1
2,4-Dinitrotoluene	ND		ug/l	0.500	0.163	1
4-Nitrophenol	ND		ug/l	2.50	0.590	1
4-Chlorophenyl-phenylether	ND		ug/l	0.500	0.079	1
Diethylphthalate	ND		ug/l	0.500	0.180	1
4-Nitroaniline	ND		ug/l	0.500	0.112	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.00	0.510	1
Azobenzene	ND		ug/l	0.500	0.128	1
n-Nitrosodiphenylamine	ND		ug/l	0.500	0.072	1
4-Bromophenyl-phenylether	ND		ug/l	0.500	0.100	1
Hexachlorobenzene	ND		ug/l	0.500	0.122	1
Atrazine	ND		ug/l	0.500	0.160	1
Pentachlorophenol	ND		ug/l	2.00	0.430	1
Pentachloronitrobenzene	ND		ug/l	0.500	0.169	1
Carbazole	ND		ug/l	0.500	0.143	1
Di-n-butylphthalate	ND		ug/l	0.500	0.100	1
Benzidine	ND		ug/l	100	0.464	1
Butylbenzylphthalate	0.232	J	ug/l	0.500	0.085	1
3,3'-Dichlorobenzidine	ND		ug/l	0.500	0.193	1
bis(2-Ethylhexyl)phthalate	0.222	J	ug/l	0.500	0.081	1
Di-n-octylphthalate	ND		ug/l	1.00	0.079	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-03 Date Collected: 08/10/16 10:55

Client ID: SW1B-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		15-115
Phenol-d5	28		15-115
Nitrobenzene-d5	82		30-130
2-Fluorobiphenyl	68		30-130
2,4,6-Tribromophenol	93		15-115
Terphenyl-d14	91		30-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-03
Client ID: SW1B-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/17/16 23:55
Analyst: DP

Date Collected: 08/10/16 10:55
Date Received: 08/11/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/16/16 11:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	ND		ng/l	10.0	1.77	1
2-Methylnaphthalene	ND		ng/l	10.0	1.06	1
Acenaphthylene	ND		ng/l	10.0	1.77	1
Acenaphthene	ND		ng/l	10.0	1.61	1
Fluorene	ND		ng/l	10.0	1.73	1
Phenanthrene	7.20	J	ng/l	10.0	1.89	1
Anthracene	ND		ng/l	10.0	1.94	1
Fluoranthene	9.82	J	ng/l	10.0	1.49	1
Pyrene	8.91	J	ng/l	10.0	1.52	1
Benz(a)anthracene	4.28	J	ng/l	10.0	1.73	1
Chrysene	3.70	J	ng/l	10.0	0.936	1
Benzo(b)fluoranthene	3.16	J	ng/l	10.0	1.48	1
Benzo(k)fluoranthene	3.50	J	ng/l	10.0	1.17	1
Benzo(a)pyrene	3.97	J	ng/l	10.0	0.840	1
Indeno(1,2,3-cd)pyrene	2.66	J	ng/l	10.0	0.533	1
Dibenz(a,h)anthracene	ND		ng/l	10.0	0.685	1
Benzo(g,h,i)perylene	2.40	J	ng/l	10.0	1.31	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	69		30-130
Pyrene-d10	82		30-130
Benzo(b)fluoranthene-d12	83		30-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-04
Client ID: SW1C-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/17/16 17:23
Analyst: ML

Date Collected: 08/10/16 10:40
Date Received: 08/11/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/16/16 17:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.505	0.073	1
Pyridine	ND		ug/l	0.505	0.165	1
Benzaldehyde	ND		ug/l	2.02	0.120	1
Aniline	ND		ug/l	1.01	0.128	1
bis(2-Chloroethyl)ether	ND		ug/l	0.505	0.094	1
Phenol	ND		ug/l	0.505	0.052	1
2-Chlorophenol	ND		ug/l	0.505	0.092	1
1,3-Dichlorobenzene	ND		ug/l	0.505	0.079	1
1,4-Dichlorobenzene	ND		ug/l	0.505	0.084	1
1,2-Dichlorobenzene	ND		ug/l	0.505	0.069	1
Benzyl alcohol	ND		ug/l	0.505	0.124	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.505	0.109	1
2-Methylphenol	ND		ug/l	0.505	0.105	1
Acetophenone	ND		ug/l	1.01	0.209	1
Hexachloroethane	ND		ug/l	0.505	0.103	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.505	0.124	1
4-Methylphenol	ND		ug/l	0.505	0.114	1
Nitrobenzene	ND		ug/l	0.505	0.103	1
Isophorone	ND		ug/l	0.505	0.127	1
2-Nitrophenol	ND		ug/l	0.505	0.116	1
2,4-Dimethylphenol	ND		ug/l	2.02	0.243	1
Benzoic acid	ND		ug/l	40.4	3.04	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.505	0.086	1
2,4-Dichlorophenol	ND		ug/l	0.505	0.101	1
1,2,4-Trichlorobenzene	ND		ug/l	0.505	0.097	1
4-Chloroaniline	ND		ug/l	0.505	0.129	1
Hexachlorobutadiene	ND		ug/l	0.505	0.086	1
Caprolactam	0.242	J	ug/l	2.02	0.124	1
4-Chloro-3-methylphenol	ND		ug/l	0.505	0.104	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.505	0.081	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-04 Date Collected: 08/10/16 10:40

Client ID: SW1C-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.505	0.154	1
2,4,6-Trichlorophenol	ND		ug/l	0.505	0.154	1
2,4,5-Trichlorophenol	ND		ug/l	0.505	0.092	1
Biphenyl	ND		ug/l	0.505	0.112	1
2-Chloronaphthalene	ND		ug/l	0.505	0.091	1
2-Nitroaniline	ND		ug/l	0.505	0.139	1
Dimethylphthalate	ND		ug/l	0.505	0.118	1
2,6-Dinitrotoluene	ND		ug/l	0.505	0.170	1
3-Nitroaniline	ND		ug/l	0.505	0.112	1
2,4-Dinitrophenol	ND		ug/l	5.05	0.735	1
Dibenzofuran	ND		ug/l	0.505	0.092	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.505	0.144	1
2,4-Dinitrotoluene	ND		ug/l	0.505	0.165	1
4-Nitrophenol	ND		ug/l	2.52	0.596	1
4-Chlorophenyl-phenylether	ND		ug/l	0.505	0.080	1
Diethylphthalate	ND		ug/l	0.505	0.182	1
4-Nitroaniline	ND		ug/l	0.505	0.113	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.02	0.515	1
Azobenzene	ND		ug/l	0.505	0.129	1
n-Nitrosodiphenylamine	ND		ug/l	0.505	0.073	1
4-Bromophenyl-phenylether	ND		ug/l	0.505	0.101	1
Hexachlorobenzene	ND		ug/l	0.505	0.123	1
Atrazine	ND		ug/l	0.505	0.162	1
Pentachlorophenol	ND		ug/l	2.02	0.434	1
Pentachloronitrobenzene	ND		ug/l	0.505	0.171	1
Carbazole	ND		ug/l	0.505	0.144	1
Di-n-butylphthalate	ND		ug/l	0.505	0.101	1
Benzidine	ND		ug/l	101	0.469	1
Butylbenzylphthalate	0.280	J	ug/l	0.505	0.086	1
3,3'-Dichlorobenzidine	ND		ug/l	0.505	0.195	1
bis(2-Ethylhexyl)phthalate	0.245	J	ug/l	0.505	0.082	1
Di-n-octylphthalate	ND		ug/l	1.01	0.079	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-04 Date Collected: 08/10/16 10:40

Client ID: SW1C-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		15-115
Phenol-d5	28		15-115
Nitrobenzene-d5	82		30-130
2-Fluorobiphenyl	75		30-130
2,4,6-Tribromophenol	83		15-115
Terphenyl-d14	95		30-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-04
Client ID: SW1C-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/18/16 01:38
Analyst: DP

Date Collected: 08/10/16 10:40
Date Received: 08/11/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/16/16 11:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	6.43	J	ng/l	9.90	1.75	1
2-Methylnaphthalene	1.60	J	ng/l	9.90	1.05	1
Acenaphthylene	ND		ng/l	9.90	1.75	1
Acenaphthene	ND		ng/l	9.90	1.59	1
Fluorene	ND		ng/l	9.90	1.71	1
Phenanthrene	4.80	J	ng/l	9.90	1.87	1
Anthracene	ND		ng/l	9.90	1.92	1
Fluoranthene	5.51	J	ng/l	9.90	1.48	1
Pyrene	4.92	J	ng/l	9.90	1.50	1
Benz(a)anthracene	1.92	J	ng/l	9.90	1.71	1
Chrysene	1.98	J	ng/l	9.90	0.927	1
Benzo(b)fluoranthene	2.04	J	ng/l	9.90	1.46	1
Benzo(k)fluoranthene	2.27	J	ng/l	9.90	1.16	1
Benzo(a)pyrene	2.52	J	ng/l	9.90	0.832	1
Indeno(1,2,3-cd)pyrene	2.26	J	ng/l	9.90	0.528	1
Dibenz(a,h)anthracene	0.729	J	ng/l	9.90	0.678	1
Benzo(g,h,i)perylene	1.84	J	ng/l	9.90	1.30	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	68		30-130
Pyrene-d10	85		30-130
Benzo(b)fluoranthene-d12	85		30-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-05
Client ID: SW2A-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/17/16 17:56
Analyst: ML

Date Collected: 08/10/16 10:00
Date Received: 08/11/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/16/16 17:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.500	0.072	1
Pyridine	ND		ug/l	0.500	0.163	1
Benzaldehyde	ND		ug/l	2.00	0.119	1
Aniline	ND		ug/l	1.00	0.127	1
bis(2-Chloroethyl)ether	ND		ug/l	0.500	0.093	1
Phenol	ND		ug/l	0.500	0.051	1
2-Chlorophenol	ND		ug/l	0.500	0.091	1
1,3-Dichlorobenzene	ND		ug/l	0.500	0.078	1
1,4-Dichlorobenzene	ND		ug/l	0.500	0.083	1
1,2-Dichlorobenzene	ND		ug/l	0.500	0.068	1
Benzyl alcohol	ND		ug/l	0.500	0.123	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.500	0.108	1
2-Methylphenol	ND		ug/l	0.500	0.104	1
Acetophenone	ND		ug/l	1.00	0.207	1
Hexachloroethane	ND		ug/l	0.500	0.102	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.500	0.123	1
4-Methylphenol	ND		ug/l	0.500	0.113	1
Nitrobenzene	ND		ug/l	0.500	0.102	1
Isophorone	ND		ug/l	0.500	0.126	1
2-Nitrophenol	ND		ug/l	0.500	0.115	1
2,4-Dimethylphenol	ND		ug/l	2.00	0.241	1
Benzoic acid	ND		ug/l	40.0	3.01	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.500	0.085	1
2,4-Dichlorophenol	ND		ug/l	0.500	0.100	1
1,2,4-Trichlorobenzene	ND		ug/l	0.500	0.096	1
4-Chloroaniline	ND		ug/l	0.500	0.128	1
Hexachlorobutadiene	ND		ug/l	0.500	0.086	1
Caprolactam	0.144	J	ug/l	2.00	0.123	1
4-Chloro-3-methylphenol	ND		ug/l	0.500	0.103	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.500	0.080	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-05 Date Collected: 08/10/16 10:00

Client ID: SW2A-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.500	0.153	1
2,4,6-Trichlorophenol	ND		ug/l	0.500	0.152	1
2,4,5-Trichlorophenol	ND		ug/l	0.500	0.091	1
Biphenyl	ND		ug/l	0.500	0.111	1
2-Chloronaphthalene	ND		ug/l	0.500	0.090	1
2-Nitroaniline	ND		ug/l	0.500	0.138	1
Dimethylphthalate	ND		ug/l	0.500	0.117	1
2,6-Dinitrotoluene	ND		ug/l	0.500	0.168	1
3-Nitroaniline	ND		ug/l	0.500	0.111	1
2,4-Dinitrophenol	ND		ug/l	5.00	0.728	1
Dibenzofuran	ND		ug/l	0.500	0.091	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.500	0.143	1
2,4-Dinitrotoluene	ND		ug/l	0.500	0.163	1
4-Nitrophenol	ND		ug/l	2.50	0.590	1
4-Chlorophenyl-phenylether	ND		ug/l	0.500	0.079	1
Diethylphthalate	ND		ug/l	0.500	0.180	1
4-Nitroaniline	ND		ug/l	0.500	0.112	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.00	0.510	1
Azobenzene	ND		ug/l	0.500	0.128	1
n-Nitrosodiphenylamine	ND		ug/l	0.500	0.072	1
4-Bromophenyl-phenylether	ND		ug/l	0.500	0.100	1
Hexachlorobenzene	ND		ug/l	0.500	0.122	1
Atrazine	ND		ug/l	0.500	0.160	1
Pentachlorophenol	ND		ug/l	2.00	0.430	1
Pentachloronitrobenzene	ND		ug/l	0.500	0.169	1
Carbazole	ND		ug/l	0.500	0.143	1
Di-n-butylphthalate	ND		ug/l	0.500	0.100	1
Benzidine	ND		ug/l	100	0.464	1
Butylbenzylphthalate	0.401	J	ug/l	0.500	0.085	1
3,3'-Dichlorobenzidine	ND		ug/l	0.500	0.193	1
bis(2-Ethylhexyl)phthalate	0.272	J	ug/l	0.500	0.081	1
Di-n-octylphthalate	ND		ug/l	1.00	0.079	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-05 Date Collected: 08/10/16 10:00

Client ID: SW2A-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		15-115
Phenol-d5	29		15-115
Nitrobenzene-d5	83		30-130
2-Fluorobiphenyl	75		30-130
2,4,6-Tribromophenol	83		15-115
Terphenyl-d14	95		30-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-05
Client ID: SW2A-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/18/16 02:12
Analyst: DP

Date Collected: 08/10/16 10:00
Date Received: 08/11/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/16/16 11:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	366		ng/l	10.0	1.77	1
2-Methylnaphthalene	22.2		ng/l	10.0	1.06	1
Acenaphthylene	33.6		ng/l	10.0	1.77	1
Acenaphthene	10.4		ng/l	10.0	1.61	1
Fluorene	18.4		ng/l	10.0	1.73	1
Phenanthrene	27.2		ng/l	10.0	1.89	1
Anthracene	5.41	J	ng/l	10.0	1.94	1
Fluoranthene	6.28	J	ng/l	10.0	1.49	1
Pyrene	4.25	J	ng/l	10.0	1.52	1
Benz(a)anthracene	ND		ng/l	10.0	1.73	1
Chrysene	ND		ng/l	10.0	0.936	1
Benzo(b)fluoranthene	ND		ng/l	10.0	1.48	1
Benzo(k)fluoranthene	ND		ng/l	10.0	1.17	1
Benzo(a)pyrene	ND		ng/l	10.0	0.840	1
Indeno(1,2,3-cd)pyrene	ND		ng/l	10.0	0.533	1
Dibenz(a,h)anthracene	ND		ng/l	10.0	0.685	1
Benzo(g,h,i)perylene	ND		ng/l	10.0	1.31	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	76		30-130
Pyrene-d10	88		30-130
Benzo(b)fluoranthene-d12	87		30-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-06
Client ID: SW2B-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/17/16 18:28
Analyst: ML

Date Collected: 08/10/16 09:50
Date Received: 08/11/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/16/16 17:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.515	0.074	1
Pyridine	ND		ug/l	0.515	0.168	1
Benzaldehyde	ND		ug/l	2.06	0.123	1
Aniline	ND		ug/l	1.03	0.131	1
bis(2-Chloroethyl)ether	ND		ug/l	0.515	0.096	1
Phenol	ND		ug/l	0.515	0.053	1
2-Chlorophenol	ND		ug/l	0.515	0.094	1
1,3-Dichlorobenzene	ND		ug/l	0.515	0.081	1
1,4-Dichlorobenzene	ND		ug/l	0.515	0.085	1
1,2-Dichlorobenzene	ND		ug/l	0.515	0.070	1
Benzyl alcohol	ND		ug/l	0.515	0.127	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.515	0.111	1
2-Methylphenol	ND		ug/l	0.515	0.107	1
Acetophenone	ND		ug/l	1.03	0.213	1
Hexachloroethane	ND		ug/l	0.515	0.105	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.515	0.127	1
4-Methylphenol	ND		ug/l	0.515	0.116	1
Nitrobenzene	ND		ug/l	0.515	0.105	1
Isophorone	ND		ug/l	0.515	0.130	1
2-Nitrophenol	ND		ug/l	0.515	0.118	1
2,4-Dimethylphenol	ND		ug/l	2.06	0.248	1
Benzoic acid	ND		ug/l	41.2	3.10	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.515	0.088	1
2,4-Dichlorophenol	ND		ug/l	0.515	0.103	1
1,2,4-Trichlorobenzene	ND		ug/l	0.515	0.099	1
4-Chloroaniline	ND		ug/l	0.515	0.132	1
Hexachlorobutadiene	ND		ug/l	0.515	0.088	1
Caprolactam	0.232	J	ug/l	2.06	0.127	1
4-Chloro-3-methylphenol	ND		ug/l	0.515	0.106	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.515	0.082	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-06 Date Collected: 08/10/16 09:50

Client ID: SW2B-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.515	0.158	1
2,4,6-Trichlorophenol	ND		ug/l	0.515	0.157	1
2,4,5-Trichlorophenol	ND		ug/l	0.515	0.094	1
Biphenyl	ND		ug/l	0.515	0.114	1
2-Chloronaphthalene	ND		ug/l	0.515	0.093	1
2-Nitroaniline	ND		ug/l	0.515	0.142	1
Dimethylphthalate	ND		ug/l	0.515	0.121	1
2,6-Dinitrotoluene	ND		ug/l	0.515	0.173	1
3-Nitroaniline	ND		ug/l	0.515	0.114	1
2,4-Dinitrophenol	ND		ug/l	5.15	0.750	1
Dibenzofuran	ND		ug/l	0.515	0.094	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.515	0.147	1
2,4-Dinitrotoluene	ND		ug/l	0.515	0.168	1
4-Nitrophenol	ND		ug/l	2.58	0.608	1
4-Chlorophenyl-phenylether	ND		ug/l	0.515	0.082	1
Diethylphthalate	ND		ug/l	0.515	0.186	1
4-Nitroaniline	ND		ug/l	0.515	0.115	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.06	0.526	1
Azobenzene	ND		ug/l	0.515	0.132	1
n-Nitrosodiphenylamine	ND		ug/l	0.515	0.074	1
4-Bromophenyl-phenylether	ND		ug/l	0.515	0.103	1
Hexachlorobenzene	ND		ug/l	0.515	0.126	1
Atrazine	ND		ug/l	0.515	0.165	1
Pentachlorophenol	ND		ug/l	2.06	0.443	1
Pentachloronitrobenzene	ND		ug/l	0.515	0.174	1
Carbazole	ND		ug/l	0.515	0.147	1
Di-n-butylphthalate	ND		ug/l	0.515	0.103	1
Benzidine	ND		ug/l	103	0.478	1
Butylbenzylphthalate	0.259	J	ug/l	0.515	0.087	1
3,3'-Dichlorobenzidine	ND		ug/l	0.515	0.199	1
bis(2-Ethylhexyl)phthalate	0.237	J	ug/l	0.515	0.083	1
Di-n-octylphthalate	ND		ug/l	1.03	0.081	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-06 Date Collected: 08/10/16 09:50

Client ID: SW2B-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		15-115
Phenol-d5	29		15-115
Nitrobenzene-d5	81		30-130
2-Fluorobiphenyl	71		30-130
2,4,6-Tribromophenol	77		15-115
Terphenyl-d14	92		30-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-06
Client ID: SW2B-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/18/16 02:47
Analyst: DP

Date Collected: 08/10/16 09:50
Date Received: 08/11/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/16/16 11:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	ND		ng/l	10.8	1.90	1
2-Methylnaphthalene	ND		ng/l	10.8	1.14	1
Acenaphthylene	ND		ng/l	10.8	1.90	1
Acenaphthene	ND		ng/l	10.8	1.73	1
Fluorene	2.02	J	ng/l	10.8	1.86	1
Phenanthrene	5.15	J	ng/l	10.8	2.03	1
Anthracene	ND		ng/l	10.8	2.09	1
Fluoranthene	4.96	J	ng/l	10.8	1.60	1
Pyrene	3.66	J	ng/l	10.8	1.63	1
Benz(a)anthracene	ND		ng/l	10.8	1.86	1
Chrysene	1.43	J	ng/l	10.8	1.01	1
Benzo(b)fluoranthene	ND		ng/l	10.8	1.59	1
Benzo(k)fluoranthene	1.26	J	ng/l	10.8	1.26	1
Benzo(a)pyrene	1.06	J	ng/l	10.8	0.903	1
Indeno(1,2,3-cd)pyrene	1.02	J	ng/l	10.8	0.573	1
Dibenz(a,h)anthracene	ND		ng/l	10.8	0.736	1
Benzo(g,h,i)perylene	ND		ng/l	10.8	1.41	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	79		30-130
Pyrene-d10	87		30-130
Benzo(b)fluoranthene-d12	89		30-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-07
Client ID: SW2C-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/17/16 19:00
Analyst: ML

Date Collected: 08/10/16 09:45
Date Received: 08/11/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/16/16 17:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.510	0.074	1
Pyridine	ND		ug/l	0.510	0.166	1
Benzaldehyde	ND		ug/l	2.04	0.121	1
Aniline	ND		ug/l	1.02	0.130	1
bis(2-Chloroethyl)ether	ND		ug/l	0.510	0.095	1
Phenol	ND		ug/l	0.510	0.052	1
2-Chlorophenol	ND		ug/l	0.510	0.093	1
1,3-Dichlorobenzene	ND		ug/l	0.510	0.080	1
1,4-Dichlorobenzene	ND		ug/l	0.510	0.085	1
1,2-Dichlorobenzene	ND		ug/l	0.510	0.069	1
Benzyl alcohol	ND		ug/l	0.510	0.126	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.510	0.110	1
2-Methylphenol	ND		ug/l	0.510	0.106	1
Acetophenone	ND		ug/l	1.02	0.211	1
Hexachloroethane	ND		ug/l	0.510	0.104	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.510	0.126	1
4-Methylphenol	ND		ug/l	0.510	0.115	1
Nitrobenzene	ND		ug/l	0.510	0.104	1
Isophorone	ND		ug/l	0.510	0.128	1
2-Nitrophenol	ND		ug/l	0.510	0.117	1
2,4-Dimethylphenol	ND		ug/l	2.04	0.246	1
Benzoic acid	ND		ug/l	40.8	3.07	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.510	0.087	1
2,4-Dichlorophenol	ND		ug/l	0.510	0.102	1
1,2,4-Trichlorobenzene	ND		ug/l	0.510	0.098	1
4-Chloroaniline	ND		ug/l	0.510	0.131	1
Hexachlorobutadiene	ND		ug/l	0.510	0.087	1
Caprolactam	0.215	J	ug/l	2.04	0.126	1
4-Chloro-3-methylphenol	ND		ug/l	0.510	0.105	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.510	0.081	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-07 Date Collected: 08/10/16 09:45

Client ID: SW2C-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.510	0.156	1
2,4,6-Trichlorophenol	ND		ug/l	0.510	0.155	1
2,4,5-Trichlorophenol	ND		ug/l	0.510	0.093	1
Biphenyl	ND		ug/l	0.510	0.113	1
2-Chloronaphthalene	ND		ug/l	0.510	0.092	1
2-Nitroaniline	ND		ug/l	0.510	0.141	1
Dimethylphthalate	ND		ug/l	0.510	0.119	1
2,6-Dinitrotoluene	ND		ug/l	0.510	0.171	1
3-Nitroaniline	ND		ug/l	0.510	0.113	1
2,4-Dinitrophenol	ND		ug/l	5.10	0.743	1
Dibenzofuran	ND		ug/l	0.510	0.093	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.510	0.146	1
2,4-Dinitrotoluene	ND		ug/l	0.510	0.166	1
4-Nitrophenol	ND		ug/l	2.55	0.602	1
4-Chlorophenyl-phenylether	ND		ug/l	0.510	0.081	1
Diethylphthalate	ND		ug/l	0.510	0.184	1
4-Nitroaniline	ND		ug/l	0.510	0.114	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.04	0.520	1
Azobenzene	ND		ug/l	0.510	0.131	1
n-Nitrosodiphenylamine	ND		ug/l	0.510	0.074	1
4-Bromophenyl-phenylether	ND		ug/l	0.510	0.102	1
Hexachlorobenzene	ND		ug/l	0.510	0.124	1
Atrazine	ND		ug/l	0.510	0.163	1
Pentachlorophenol	ND		ug/l	2.04	0.439	1
Pentachloronitrobenzene	ND		ug/l	0.510	0.172	1
Carbazole	ND		ug/l	0.510	0.146	1
Di-n-butylphthalate	ND		ug/l	0.510	0.102	1
Benzidine	ND		ug/l	102	0.473	1
Butylbenzylphthalate	0.278	J	ug/l	0.510	0.087	1
3,3'-Dichlorobenzidine	ND		ug/l	0.510	0.197	1
bis(2-Ethylhexyl)phthalate	4.37		ug/l	0.510	0.083	1
Di-n-octylphthalate	ND		ug/l	1.02	0.080	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-07 Date Collected: 08/10/16 09:45

Client ID: SW2C-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		15-115
Phenol-d5	29		15-115
Nitrobenzene-d5	89		30-130
2-Fluorobiphenyl	81		30-130
2,4,6-Tribromophenol	85		15-115
Terphenyl-d14	95		30-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-07
Client ID: SW2C-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/18/16 03:21
Analyst: DP

Date Collected: 08/10/16 09:45
Date Received: 08/11/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/16/16 11:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	4.06	J	ng/l	9.90	1.75	1
2-Methylnaphthalene	ND		ng/l	9.90	1.05	1
Acenaphthylene	ND		ng/l	9.90	1.75	1
Acenaphthene	2.09	J	ng/l	9.90	1.59	1
Fluorene	3.50	J	ng/l	9.90	1.71	1
Phenanthrene	5.61	J	ng/l	9.90	1.87	1
Anthracene	ND		ng/l	9.90	1.92	1
Fluoranthene	4.07	J	ng/l	9.90	1.48	1
Pyrene	2.49	J	ng/l	9.90	1.50	1
Benz(a)anthracene	ND		ng/l	9.90	1.71	1
Chrysene	ND		ng/l	9.90	0.927	1
Benzo(b)fluoranthene	ND		ng/l	9.90	1.46	1
Benzo(k)fluoranthene	ND		ng/l	9.90	1.16	1
Benzo(a)pyrene	ND		ng/l	9.90	0.832	1
Indeno(1,2,3-cd)pyrene	ND		ng/l	9.90	0.528	1
Dibenz(a,h)anthracene	ND		ng/l	9.90	0.678	1
Benzo(g,h,i)perylene	ND		ng/l	9.90	1.30	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	74		30-130
Pyrene-d10	86		30-130
Benzo(b)fluoranthene-d12	86		30-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-08
Client ID: SW3A-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/17/16 19:32
Analyst: ML

Date Collected: 08/10/16 12:35
Date Received: 08/11/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/16/16 17:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.500	0.072	1
Pyridine	ND		ug/l	0.500	0.163	1
Benzaldehyde	ND		ug/l	2.00	0.119	1
Aniline	ND		ug/l	1.00	0.127	1
bis(2-Chloroethyl)ether	ND		ug/l	0.500	0.093	1
Phenol	ND		ug/l	0.500	0.051	1
2-Chlorophenol	ND		ug/l	0.500	0.091	1
1,3-Dichlorobenzene	ND		ug/l	0.500	0.078	1
1,4-Dichlorobenzene	ND		ug/l	0.500	0.083	1
1,2-Dichlorobenzene	ND		ug/l	0.500	0.068	1
Benzyl alcohol	ND		ug/l	0.500	0.123	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.500	0.108	1
2-Methylphenol	ND		ug/l	0.500	0.104	1
Acetophenone	ND		ug/l	1.00	0.207	1
Hexachloroethane	ND		ug/l	0.500	0.102	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.500	0.123	1
4-Methylphenol	ND		ug/l	0.500	0.113	1
Nitrobenzene	ND		ug/l	0.500	0.102	1
Isophorone	ND		ug/l	0.500	0.126	1
2-Nitrophenol	ND		ug/l	0.500	0.115	1
2,4-Dimethylphenol	ND		ug/l	2.00	0.241	1
Benzoic acid	ND		ug/l	40.0	3.01	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.500	0.085	1
2,4-Dichlorophenol	ND		ug/l	0.500	0.100	1
1,2,4-Trichlorobenzene	ND		ug/l	0.500	0.096	1
4-Chloroaniline	ND		ug/l	0.500	0.128	1
Hexachlorobutadiene	ND		ug/l	0.500	0.086	1
Caprolactam	0.236	J	ug/l	2.00	0.123	1
4-Chloro-3-methylphenol	ND		ug/l	0.500	0.103	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.500	0.080	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-08 Date Collected: 08/10/16 12:35

Client ID: SW3A-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.500	0.153	1
2,4,6-Trichlorophenol	ND		ug/l	0.500	0.152	1
2,4,5-Trichlorophenol	ND		ug/l	0.500	0.091	1
Biphenyl	ND		ug/l	0.500	0.111	1
2-Chloronaphthalene	ND		ug/l	0.500	0.090	1
2-Nitroaniline	ND		ug/l	0.500	0.138	1
Dimethylphthalate	ND		ug/l	0.500	0.117	1
2,6-Dinitrotoluene	ND		ug/l	0.500	0.168	1
3-Nitroaniline	ND		ug/l	0.500	0.111	1
2,4-Dinitrophenol	ND		ug/l	5.00	0.728	1
Dibenzofuran	ND		ug/l	0.500	0.091	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.500	0.143	1
2,4-Dinitrotoluene	ND		ug/l	0.500	0.163	1
4-Nitrophenol	ND		ug/l	2.50	0.590	1
4-Chlorophenyl-phenylether	ND		ug/l	0.500	0.079	1
Diethylphthalate	ND		ug/l	0.500	0.180	1
4-Nitroaniline	ND		ug/l	0.500	0.112	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.00	0.510	1
Azobenzene	ND		ug/l	0.500	0.128	1
n-Nitrosodiphenylamine	ND		ug/l	0.500	0.072	1
4-Bromophenyl-phenylether	ND		ug/l	0.500	0.100	1
Hexachlorobenzene	ND		ug/l	0.500	0.122	1
Atrazine	ND		ug/l	0.500	0.160	1
Pentachlorophenol	ND		ug/l	2.00	0.430	1
Pentachloronitrobenzene	ND		ug/l	0.500	0.169	1
Carbazole	ND		ug/l	0.500	0.143	1
Di-n-butylphthalate	ND		ug/l	0.500	0.100	1
Benzidine	ND		ug/l	100	0.464	1
Butylbenzylphthalate	0.269	J	ug/l	0.500	0.085	1
3,3'-Dichlorobenzidine	ND		ug/l	0.500	0.193	1
bis(2-Ethylhexyl)phthalate	2.05		ug/l	0.500	0.081	1
Di-n-octylphthalate	ND		ug/l	1.00	0.079	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-08 Date Collected: 08/10/16 12:35

Client ID: SW3A-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		15-115
Phenol-d5	30		15-115
Nitrobenzene-d5	84		30-130
2-Fluorobiphenyl	77		30-130
2,4,6-Tribromophenol	89		15-115
Terphenyl-d14	93		30-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-08
Client ID: SW3A-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/18/16 03:55
Analyst: DP

Date Collected: 08/10/16 12:35
Date Received: 08/11/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/16/16 11:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	6.92	J	ng/l	9.90	1.75	1
2-Methylnaphthalene	2.09	J	ng/l	9.90	1.05	1
Acenaphthylene	ND		ng/l	9.90	1.75	1
Acenaphthene	ND		ng/l	9.90	1.59	1
Fluorene	1.81	J	ng/l	9.90	1.71	1
Phenanthrene	4.67	J	ng/l	9.90	1.87	1
Anthracene	ND		ng/l	9.90	1.92	1
Fluoranthene	4.66	J	ng/l	9.90	1.48	1
Pyrene	3.13	J	ng/l	9.90	1.50	1
Benz(a)anthracene	ND		ng/l	9.90	1.71	1
Chrysene	1.05	J	ng/l	9.90	0.927	1
Benzo(b)fluoranthene	ND		ng/l	9.90	1.46	1
Benzo(k)fluoranthene	1.22	J	ng/l	9.90	1.16	1
Benzo(a)pyrene	1.08	J	ng/l	9.90	0.832	1
Indeno(1,2,3-cd)pyrene	0.840	J	ng/l	9.90	0.528	1
Dibenz(a,h)anthracene	ND		ng/l	9.90	0.678	1
Benzo(g,h,i)perylene	ND		ng/l	9.90	1.30	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	76		30-130
Pyrene-d10	85		30-130
Benzo(b)fluoranthene-d12	83		30-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-09
Client ID: SW3B-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/17/16 20:04
Analyst: ML

Date Collected: 08/10/16 12:28
Date Received: 08/11/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/16/16 17:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.515	0.074	1
Pyridine	ND		ug/l	0.515	0.168	1
Benzaldehyde	ND		ug/l	2.06	0.123	1
Aniline	ND		ug/l	1.03	0.131	1
bis(2-Chloroethyl)ether	ND		ug/l	0.515	0.096	1
Phenol	ND		ug/l	0.515	0.053	1
2-Chlorophenol	ND		ug/l	0.515	0.094	1
1,3-Dichlorobenzene	ND		ug/l	0.515	0.081	1
1,4-Dichlorobenzene	ND		ug/l	0.515	0.085	1
1,2-Dichlorobenzene	ND		ug/l	0.515	0.070	1
Benzyl alcohol	ND		ug/l	0.515	0.127	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.515	0.111	1
2-Methylphenol	ND		ug/l	0.515	0.107	1
Acetophenone	ND		ug/l	1.03	0.213	1
Hexachloroethane	ND		ug/l	0.515	0.105	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.515	0.127	1
4-Methylphenol	ND		ug/l	0.515	0.116	1
Nitrobenzene	ND		ug/l	0.515	0.105	1
Isophorone	ND		ug/l	0.515	0.130	1
2-Nitrophenol	ND		ug/l	0.515	0.118	1
2,4-Dimethylphenol	ND		ug/l	2.06	0.248	1
Benzoic acid	ND		ug/l	41.2	3.10	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.515	0.088	1
2,4-Dichlorophenol	ND		ug/l	0.515	0.103	1
1,2,4-Trichlorobenzene	ND		ug/l	0.515	0.099	1
4-Chloroaniline	ND		ug/l	0.515	0.132	1
Hexachlorobutadiene	ND		ug/l	0.515	0.088	1
Caprolactam	0.226	J	ug/l	2.06	0.127	1
4-Chloro-3-methylphenol	ND		ug/l	0.515	0.106	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.515	0.082	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-09 Date Collected: 08/10/16 12:28

Client ID: SW3B-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.515	0.158	1
2,4,6-Trichlorophenol	ND		ug/l	0.515	0.157	1
2,4,5-Trichlorophenol	ND		ug/l	0.515	0.094	1
Biphenyl	ND		ug/l	0.515	0.114	1
2-Chloronaphthalene	ND		ug/l	0.515	0.093	1
2-Nitroaniline	ND		ug/l	0.515	0.142	1
Dimethylphthalate	ND		ug/l	0.515	0.121	1
2,6-Dinitrotoluene	ND		ug/l	0.515	0.173	1
3-Nitroaniline	ND		ug/l	0.515	0.114	1
2,4-Dinitrophenol	ND		ug/l	5.15	0.750	1
Dibenzofuran	ND		ug/l	0.515	0.094	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.515	0.147	1
2,4-Dinitrotoluene	ND		ug/l	0.515	0.168	1
4-Nitrophenol	ND		ug/l	2.58	0.608	1
4-Chlorophenyl-phenylether	ND		ug/l	0.515	0.082	1
Diethylphthalate	ND		ug/l	0.515	0.186	1
4-Nitroaniline	ND		ug/l	0.515	0.115	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.06	0.526	1
Azobenzene	ND		ug/l	0.515	0.132	1
n-Nitrosodiphenylamine	ND		ug/l	0.515	0.074	1
4-Bromophenyl-phenylether	ND		ug/l	0.515	0.103	1
Hexachlorobenzene	ND		ug/l	0.515	0.126	1
Atrazine	ND		ug/l	0.515	0.165	1
Pentachlorophenol	ND		ug/l	2.06	0.443	1
Pentachloronitrobenzene	ND		ug/l	0.515	0.174	1
Carbazole	ND		ug/l	0.515	0.147	1
Di-n-butylphthalate	ND		ug/l	0.515	0.103	1
Benzidine	ND		ug/l	103	0.478	1
Butylbenzylphthalate	0.259	J	ug/l	0.515	0.087	1
3,3'-Dichlorobenzidine	ND		ug/l	0.515	0.199	1
bis(2-Ethylhexyl)phthalate	0.241	J	ug/l	0.515	0.083	1
Di-n-octylphthalate	ND		ug/l	1.03	0.081	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-09 Date Collected: 08/10/16 12:28

Client ID: SW3B-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		15-115
Phenol-d5	32		15-115
Nitrobenzene-d5	88		30-130
2-Fluorobiphenyl	76		30-130
2,4,6-Tribromophenol	81		15-115
Terphenyl-d14	95		30-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-09
Client ID: SW3B-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/18/16 04:29
Analyst: DP

Date Collected: 08/10/16 12:28
Date Received: 08/11/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/16/16 11:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	9.83	J	ng/l	10.0	1.77	1
2-Methylnaphthalene	9.72	J	ng/l	10.0	1.06	1
Acenaphthylene	6.26	J	ng/l	10.0	1.77	1
Acenaphthene	7.04	J	ng/l	10.0	1.61	1
Fluorene	5.63	J	ng/l	10.0	1.73	1
Phenanthrene	5.63	J	ng/l	10.0	1.89	1
Anthracene	ND		ng/l	10.0	1.94	1
Fluoranthene	4.06	J	ng/l	10.0	1.49	1
Pyrene	3.11	J	ng/l	10.0	1.52	1
Benz(a)anthracene	ND		ng/l	10.0	1.73	1
Chrysene	1.07	J	ng/l	10.0	0.936	1
Benzo(b)fluoranthene	ND		ng/l	10.0	1.48	1
Benzo(k)fluoranthene	ND		ng/l	10.0	1.17	1
Benzo(a)pyrene	1.09	J	ng/l	10.0	0.840	1
Indeno(1,2,3-cd)pyrene	0.703	J	ng/l	10.0	0.533	1
Dibenz(a,h)anthracene	ND		ng/l	10.0	0.685	1
Benzo(g,h,i)perylene	ND		ng/l	10.0	1.31	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	75		30-130
Pyrene-d10	84		30-130
Benzo(b)fluoranthene-d12	84		30-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-10
Client ID: SW3C-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/17/16 20:36
Analyst: ML

Date Collected: 08/10/16 12:23
Date Received: 08/11/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/16/16 17:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.500	0.072	1
Pyridine	ND		ug/l	0.500	0.163	1
Benzaldehyde	ND		ug/l	2.00	0.119	1
Aniline	ND		ug/l	1.00	0.127	1
bis(2-Chloroethyl)ether	ND		ug/l	0.500	0.093	1
Phenol	ND		ug/l	0.500	0.051	1
2-Chlorophenol	ND		ug/l	0.500	0.091	1
1,3-Dichlorobenzene	ND		ug/l	0.500	0.078	1
1,4-Dichlorobenzene	ND		ug/l	0.500	0.083	1
1,2-Dichlorobenzene	ND		ug/l	0.500	0.068	1
Benzyl alcohol	ND		ug/l	0.500	0.123	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.500	0.108	1
2-Methylphenol	ND		ug/l	0.500	0.104	1
Acetophenone	ND		ug/l	1.00	0.207	1
Hexachloroethane	ND		ug/l	0.500	0.102	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.500	0.123	1
4-Methylphenol	ND		ug/l	0.500	0.113	1
Nitrobenzene	ND		ug/l	0.500	0.102	1
Isophorone	ND		ug/l	0.500	0.126	1
2-Nitrophenol	ND		ug/l	0.500	0.115	1
2,4-Dimethylphenol	ND		ug/l	2.00	0.241	1
Benzoic acid	ND		ug/l	40.0	3.01	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.500	0.085	1
2,4-Dichlorophenol	ND		ug/l	0.500	0.100	1
1,2,4-Trichlorobenzene	ND		ug/l	0.500	0.096	1
4-Chloroaniline	ND		ug/l	0.500	0.128	1
Hexachlorobutadiene	ND		ug/l	0.500	0.086	1
Caprolactam	0.173	J	ug/l	2.00	0.123	1
4-Chloro-3-methylphenol	ND		ug/l	0.500	0.103	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.500	0.080	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-10 Date Collected: 08/10/16 12:23

Client ID: SW3C-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.500	0.153	1
2,4,6-Trichlorophenol	ND		ug/l	0.500	0.152	1
2,4,5-Trichlorophenol	ND		ug/l	0.500	0.091	1
Biphenyl	ND		ug/l	0.500	0.111	1
2-Chloronaphthalene	ND		ug/l	0.500	0.090	1
2-Nitroaniline	ND		ug/l	0.500	0.138	1
Dimethylphthalate	ND		ug/l	0.500	0.117	1
2,6-Dinitrotoluene	ND		ug/l	0.500	0.168	1
3-Nitroaniline	ND		ug/l	0.500	0.111	1
2,4-Dinitrophenol	ND		ug/l	5.00	0.728	1
Dibenzofuran	ND		ug/l	0.500	0.091	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.500	0.143	1
2,4-Dinitrotoluene	ND		ug/l	0.500	0.163	1
4-Nitrophenol	ND		ug/l	2.50	0.590	1
4-Chlorophenyl-phenylether	ND		ug/l	0.500	0.079	1
Diethylphthalate	ND		ug/l	0.500	0.180	1
4-Nitroaniline	ND		ug/l	0.500	0.112	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.00	0.510	1
Azobenzene	ND		ug/l	0.500	0.128	1
n-Nitrosodiphenylamine	ND		ug/l	0.500	0.072	1
4-Bromophenyl-phenylether	ND		ug/l	0.500	0.100	1
Hexachlorobenzene	ND		ug/l	0.500	0.122	1
Atrazine	ND		ug/l	0.500	0.160	1
Pentachlorophenol	ND		ug/l	2.00	0.430	1
Pentachloronitrobenzene	ND		ug/l	0.500	0.169	1
Carbazole	ND		ug/l	0.500	0.143	1
Di-n-butylphthalate	ND		ug/l	0.500	0.100	1
Benzidine	ND		ug/l	100	0.464	1
Butylbenzylphthalate	0.247	J	ug/l	0.500	0.085	1
3,3'-Dichlorobenzidine	ND		ug/l	0.500	0.193	1
bis(2-Ethylhexyl)phthalate	0.234	J	ug/l	0.500	0.081	1
Di-n-octylphthalate	ND		ug/l	1.00	0.079	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-10 Date Collected: 08/10/16 12:23

Client ID: SW3C-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		15-115
Phenol-d5	30		15-115
Nitrobenzene-d5	89		30-130
2-Fluorobiphenyl	77		30-130
2,4,6-Tribromophenol	80		15-115
Terphenyl-d14	97		30-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-10
Client ID: SW3C-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/18/16 05:03
Analyst: DP

Date Collected: 08/10/16 12:23
Date Received: 08/11/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/16/16 11:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	12.4		ng/l	10.0	1.77	1
2-Methylnaphthalene	1.47	J	ng/l	10.0	1.06	1
Acenaphthylene	ND		ng/l	10.0	1.77	1
Acenaphthene	ND		ng/l	10.0	1.61	1
Fluorene	2.56	J	ng/l	10.0	1.73	1
Phenanthrene	4.72	J	ng/l	10.0	1.89	1
Anthracene	ND		ng/l	10.0	1.94	1
Fluoranthene	3.58	J	ng/l	10.0	1.49	1
Pyrene	2.86	J	ng/l	10.0	1.52	1
Benz(a)anthracene	ND		ng/l	10.0	1.73	1
Chrysene	0.953	J	ng/l	10.0	0.936	1
Benzo(b)fluoranthene	ND		ng/l	10.0	1.48	1
Benzo(k)fluoranthene	ND		ng/l	10.0	1.17	1
Benzo(a)pyrene	0.969	J	ng/l	10.0	0.840	1
Indeno(1,2,3-cd)pyrene	0.675	J	ng/l	10.0	0.533	1
Dibenz(a,h)anthracene	ND		ng/l	10.0	0.685	1
Benzo(g,h,i)perylene	ND		ng/l	10.0	1.31	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	72		30-130
Pyrene-d10	82		30-130
Benzo(b)fluoranthene-d12	81		30-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-11
Client ID: DUP-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/17/16 21:08
Analyst: ML

Date Collected: 08/10/16 00:00
Date Received: 08/11/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/16/16 17:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
N-Nitrosodimethylamine	ND		ug/l	0.526	0.076	1
Pyridine	ND		ug/l	0.526	0.172	1
Benzaldehyde	ND		ug/l	2.10	0.125	1
Aniline	ND		ug/l	1.05	0.134	1
bis(2-Chloroethyl)ether	ND		ug/l	0.526	0.098	1
Phenol	ND		ug/l	0.526	0.054	1
2-Chlorophenol	ND		ug/l	0.526	0.096	1
1,3-Dichlorobenzene	ND		ug/l	0.526	0.082	1
1,4-Dichlorobenzene	ND		ug/l	0.526	0.087	1
1,2-Dichlorobenzene	ND		ug/l	0.526	0.072	1
Benzyl alcohol	ND		ug/l	0.526	0.129	1
bis(2-chloroisopropyl)ether	ND		ug/l	0.526	0.114	1
2-Methylphenol	ND		ug/l	0.526	0.109	1
Acetophenone	ND		ug/l	1.05	0.218	1
Hexachloroethane	ND		ug/l	0.526	0.107	1
N-Nitroso-di-n-propylamine	ND		ug/l	0.526	0.129	1
4-Methylphenol	ND		ug/l	0.526	0.119	1
Nitrobenzene	ND		ug/l	0.526	0.107	1
Isophorone	ND		ug/l	0.526	0.133	1
2-Nitrophenol	ND		ug/l	0.526	0.121	1
2,4-Dimethylphenol	ND		ug/l	2.10	0.254	1
Benzoic acid	ND		ug/l	42.1	3.17	1
bis(2-Chloroethoxy)methane	ND		ug/l	0.526	0.090	1
2,4-Dichlorophenol	ND		ug/l	0.526	0.105	1
1,2,4-Trichlorobenzene	ND		ug/l	0.526	0.101	1
4-Chloroaniline	ND		ug/l	0.526	0.135	1
Hexachlorobutadiene	ND		ug/l	0.526	0.090	1
Caprolactam	0.245	J	ug/l	2.10	0.129	1
4-Chloro-3-methylphenol	ND		ug/l	0.526	0.108	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.526	0.084	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-11 Date Collected: 08/10/16 00:00

Client ID: DUP-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Mansfield Lab						
Hexachlorocyclopentadiene	ND		ug/l	0.526	0.161	1
2,4,6-Trichlorophenol	ND		ug/l	0.526	0.160	1
2,4,5-Trichlorophenol	ND		ug/l	0.526	0.096	1
Biphenyl	ND		ug/l	0.526	0.117	1
2-Chloronaphthalene	ND		ug/l	0.526	0.095	1
2-Nitroaniline	ND		ug/l	0.526	0.145	1
Dimethylphthalate	ND		ug/l	0.526	0.123	1
2,6-Dinitrotoluene	ND		ug/l	0.526	0.177	1
3-Nitroaniline	ND		ug/l	0.526	0.117	1
2,4-Dinitrophenol	ND		ug/l	5.26	0.766	1
Dibenzofuran	ND		ug/l	0.526	0.096	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.526	0.150	1
2,4-Dinitrotoluene	ND		ug/l	0.526	0.172	1
4-Nitrophenol	ND		ug/l	2.63	0.621	1
4-Chlorophenyl-phenylether	ND		ug/l	0.526	0.083	1
Diethylphthalate	ND		ug/l	0.526	0.189	1
4-Nitroaniline	ND		ug/l	0.526	0.118	1
4,6-Dinitro-2-methylphenol	ND		ug/l	2.10	0.537	1
Azobenzene	ND		ug/l	0.526	0.135	1
n-Nitrosodiphenylamine	ND		ug/l	0.526	0.076	1
4-Bromophenyl-phenylether	ND		ug/l	0.526	0.105	1
Hexachlorobenzene	ND		ug/l	0.526	0.128	1
Atrazine	ND		ug/l	0.526	0.168	1
Pentachlorophenol	ND		ug/l	2.10	0.453	1
Pentachloronitrobenzene	ND		ug/l	0.526	0.178	1
Carbazole	ND		ug/l	0.526	0.150	1
Di-n-butylphthalate	ND		ug/l	0.526	0.105	1
Benzidine	ND		ug/l	105	0.488	1
Butylbenzylphthalate	0.294	J	ug/l	0.526	0.089	1
3,3'-Dichlorobenzidine	ND		ug/l	0.526	0.203	1
bis(2-Ethylhexyl)phthalate	0.845		ug/l	0.526	0.085	1
Di-n-octylphthalate	ND		ug/l	1.05	0.083	1

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-11 Date Collected: 08/10/16 00:00

Client ID: DUP-20160810 Date Received: 08/11/16

Sample Location: GLENS FALLS, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		15-115
Phenol-d5	26		15-115
Nitrobenzene-d5	91		30-130
2-Fluorobiphenyl	82		30-130
2,4,6-Tribromophenol	85		15-115
Terphenyl-d14	98		30-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-11
Client ID: DUP-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/18/16 05:37
Analyst: DP

Date Collected: 08/10/16 00:00
Date Received: 08/11/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/16/16 11:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Mansfield Lab						
Naphthalene	3.32	J	ng/l	10.4	1.84	1
2-Methylnaphthalene	1.42	J	ng/l	10.4	1.10	1
Acenaphthylene	ND		ng/l	10.4	1.84	1
Acenaphthene	ND		ng/l	10.4	1.68	1
Fluorene	2.15	J	ng/l	10.4	1.80	1
Phenanthrene	4.85	J	ng/l	10.4	1.97	1
Anthracene	ND		ng/l	10.4	2.02	1
Fluoranthene	4.27	J	ng/l	10.4	1.55	1
Pyrene	3.18	J	ng/l	10.4	1.58	1
Benz(a)anthracene	ND		ng/l	10.4	1.80	1
Chrysene	1.03	J	ng/l	10.4	0.975	1
Benzo(b)fluoranthene	ND		ng/l	10.4	1.54	1
Benzo(k)fluoranthene	ND		ng/l	10.4	1.22	1
Benzo(a)pyrene	ND		ng/l	10.4	0.875	1
Indeno(1,2,3-cd)pyrene	0.673	J	ng/l	10.4	0.555	1
Dibenz(a,h)anthracene	ND		ng/l	10.4	0.714	1
Benzo(g,h,i)perylene	ND		ng/l	10.4	1.36	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	73		30-130
Pyrene-d10	84		30-130
Benzo(b)fluoranthene-d12	82		30-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/17/16 21:03
Analyst: DP

Extraction Method: EPA 3510C
Extraction Date: 08/16/16 11:00

Parameter	Result	Qualifier	Units	RL	MDL
PAHs by GC/MS-SIM - Mansfield Lab for sample(s): 01-11 Batch: WG923129-1					
Naphthalene	ND		ng/l	10.0	1.77
2-Methylnaphthalene	ND		ng/l	10.0	1.06
Acenaphthylene	ND		ng/l	10.0	1.77
Acenaphthene	ND		ng/l	10.0	1.61
Fluorene	ND		ng/l	10.0	1.73
Phenanthrene	ND		ng/l	10.0	1.89
Anthracene	ND		ng/l	10.0	1.94
Fluoranthene	ND		ng/l	10.0	1.49
Pyrene	ND		ng/l	10.0	1.52
Benz(a)anthracene	ND		ng/l	10.0	1.73
Chrysene	ND		ng/l	10.0	0.936
Benzo(b)fluoranthene	ND		ng/l	10.0	1.48
Benzo(k)fluoranthene	ND		ng/l	10.0	1.17
Benzo(a)pyrene	ND		ng/l	10.0	0.840
Indeno(1,2,3-cd)pyrene	ND		ng/l	10.0	0.533
Dibenz(a,h)anthracene	ND		ng/l	10.0	0.685
Benzo(g,h,i)perylene	ND		ng/l	10.0	1.31

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	66		30-130
Pyrene-d10	81		30-130
Benzo(b)fluoranthene-d12	84		30-130

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/17/16 12:28
Analyst: ML

Extraction Method: EPA 3510C
Extraction Date: 08/16/16 17:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Mansfield Lab for sample(s): 01-11 Batch: WG923180-1					
N-Nitrosodimethylamine	ND		ug/l	0.500	0.072
Pyridine	ND		ug/l	0.500	0.163
Benzaldehyde	ND		ug/l	2.00	0.119
Aniline	ND		ug/l	1.00	0.127
bis(2-Chloroethyl)ether	ND		ug/l	0.500	0.093
Phenol	ND		ug/l	0.500	0.051
2-Chlorophenol	ND		ug/l	0.500	0.091
1,3-Dichlorobenzene	ND		ug/l	0.500	0.078
1,4-Dichlorobenzene	ND		ug/l	0.500	0.083
1,2-Dichlorobenzene	ND		ug/l	0.500	0.068
Benzyl alcohol	ND		ug/l	0.500	0.123
bis(2-chloroisopropyl)ether	ND		ug/l	0.500	0.108
2-Methylphenol	ND		ug/l	0.500	0.104
Acetophenone	ND		ug/l	1.00	0.207
Hexachloroethane	ND		ug/l	0.500	0.102
N-Nitroso-di-n-propylamine	ND		ug/l	0.500	0.123
4-Methylphenol	ND		ug/l	0.500	0.113
Nitrobenzene	ND		ug/l	0.500	0.102
Isophorone	ND		ug/l	0.500	0.126
2-Nitrophenol	ND		ug/l	0.500	0.115
2,4-Dimethylphenol	ND		ug/l	2.00	0.241
Benzoic acid	ND		ug/l	40.0	3.01
bis(2-Chloroethoxy)methane	ND		ug/l	0.500	0.085
2,4-Dichlorophenol	ND		ug/l	0.500	0.100
1,2,4-Trichlorobenzene	ND		ug/l	0.500	0.096
4-Chloroaniline	ND		ug/l	0.500	0.128
Hexachlorobutadiene	ND		ug/l	0.500	0.086
Caprolactam	0.131	J	ug/l	2.00	0.123
4-Chloro-3-methylphenol	ND		ug/l	0.500	0.103

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/17/16 12:28
Analyst: ML

Extraction Method: EPA 3510C
Extraction Date: 08/16/16 17:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Mansfield Lab for sample(s): 01-11 Batch: WG923180-1					
1,2,4,5-Tetrachlorobenzene	ND		ug/l	0.500	0.080
Hexachlorocyclopentadiene	ND		ug/l	0.500	0.153
2,4,6-Trichlorophenol	ND		ug/l	0.500	0.152
2,4,5-Trichlorophenol	ND		ug/l	0.500	0.091
Biphenyl	ND		ug/l	0.500	0.111
2-Chloronaphthalene	ND		ug/l	0.500	0.090
2-Nitroaniline	ND		ug/l	0.500	0.138
Dimethylphthalate	ND		ug/l	0.500	0.117
2,6-Dinitrotoluene	ND		ug/l	0.500	0.168
3-Nitroaniline	ND		ug/l	0.500	0.111
2,4-Dinitrophenol	ND		ug/l	5.00	0.728
Dibenzofuran	ND		ug/l	0.500	0.091
2,3,4,6-Tetrachlorophenol	ND		ug/l	0.500	0.143
2,4-Dinitrotoluene	ND		ug/l	0.500	0.163
4-Nitrophenol	ND		ug/l	2.50	0.590
4-Chlorophenyl-phenylether	ND		ug/l	0.500	0.079
Diethylphthalate	ND		ug/l	0.500	0.180
4-Nitroaniline	ND		ug/l	0.500	0.112
4,6-Dinitro-2-methylphenol	ND		ug/l	2.00	0.510
Azobenzene	ND		ug/l	0.500	0.128
n-Nitrosodiphenylamine	ND		ug/l	0.500	0.072
4-Bromophenyl-phenylether	ND		ug/l	0.500	0.100
Hexachlorobenzene	ND		ug/l	0.500	0.122
Atrazine	ND		ug/l	0.500	0.160
Pentachlorophenol	ND		ug/l	2.00	0.430
Pentachloronitrobenzene	ND		ug/l	0.500	0.169
Carbazole	ND		ug/l	0.500	0.143
Di-n-butylphthalate	ND		ug/l	0.500	0.100
Benzidine	ND		ug/l	100	0.464

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/17/16 12:28
Analyst: ML

Extraction Method: EPA 3510C
Extraction Date: 08/16/16 17:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Mansfield Lab for sample(s): 01-11 Batch: WG923180-1					
Butylbenzylphthalate	0.205	J	ug/l	0.500	0.085
3,3'-Dichlorobenzidine	ND		ug/l	0.500	0.193
bis(2-Ethylhexyl)phthalate	ND		ug/l	0.500	0.081
Di-n-octylphthalate	ND		ug/l	1.00	0.079

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		15-115
Phenol-d5	35		15-115
Nitrobenzene-d5	91		30-130
2-Fluorobiphenyl	78		30-130
2,4,6-Tribromophenol	100		15-115
Terphenyl-d14	96		30-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2

Project Number: E50593-01.01

Lab Number: L1625236

Report Date: 08/19/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PAHs by GC/MS-SIM - Mansfield Lab Associated sample(s): 01-11 Batch: WG923129-2 WG923129-3								
Naphthalene	74		75		40-140	1		30
2-Methylnaphthalene	82		85		40-140	4		30
Acenaphthylene	74		77		40-140	4		30
Acenaphthene	75		79		40-140	5		30
Fluorene	75		80		40-140	6		30
Phenanthrene	81		84		40-140	4		30
Anthracene	77		83		40-140	8		30
Fluoranthene	82		88		40-140	7		30
Pyrene	81		86		40-140	6		30
Benz(a)anthracene	81		86		40-140	6		30
Chrysene	85		88		40-140	3		30
Benzo(b)fluoranthene	89		95		40-140	7		30
Benzo(k)fluoranthene	95		99		40-140	4		30
Benzo(a)pyrene	86		91		40-140	6		30
Indeno(1,2,3-cd)pyrene	81		83		40-140	2		30
Dibenz(a,h)anthracene	82		84		40-140	2		30
Benzo(g,h,i)perylene	84		88		40-140	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2

Project Number: E50593-01.01

Lab Number: L1625236

Report Date: 08/19/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PAHs by GC/MS-SIM - Mansfield Lab Associated sample(s): 01-11 Batch: WG923129-2 WG923129-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Methylnaphthalene-d10	74		76		30-130
Pyrene-d10	85		89		30-130
Benzo(b)fluoranthene-d12	87		92		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-11 Batch: WG923180-2 WG923180-3								
n-Nitrosodimethylamine	53		53		40-140	0		20
Pyridine	45		44		40-140	2		20
Benzaldehyde	76		76		40-140	0		20
Aniline	61		61		40-140	0		20
Bis(2-chloroethyl)ether	82		80		40-140	2		20
Phenol	35		32		30-130	9		20
2-Chlorophenol	76		73		30-130	4		20
1,3-Dichlorobenzene	47		**38**	Q	40-140	**21**	Q	20
1,4-Dichlorobenzene	49		40		40-140	20		20
1,2-Dichlorobenzene	52		44		40-140	17		20
Bis(2-chloroisopropyl)ether	82		78		40-140	5		20
2-Methylphenol	70		67		30-130	4		20
Acetophenone	78		76		40-140	3		20
Hexachloroethane	**36**	Q	**27**	Q	40-140	**29**	Q	20
N-Nitroso-di-n-propylamine	89		85		40-140	5		20
4-Methylphenol	64		61		30-130	5		20
Nitrobenzene	89		82		40-140	8		20
Isophorone	94		88		40-140	7		20
2-Nitrophenol	88		83		40-140	6		20
2,4-Dimethylphenol	84		79		40-140	6		20
Benzoic Acid	**31**	Q	**27**	Q	40-140	14		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-11 Batch: WG923180-2 WG923180-3								
Bis(2-chloroethoxy)methane	88		84		40-140	5		20
2,4-Dichlorophenol	88		83		30-130	6		20
1,2,4-Trichlorobenzene	57		49		40-140	15		20
Naphthalene	71		65		40-140	9		20
4-Chloroaniline	82		81		40-140	1		20
Hexachlorobutadiene	**36**	Q	**28**	Q	40-140	**25**	Q	20
Caprolactam	**29**	Q	**27**	Q	40-140	7		20
P-Chloro-M-Cresol	89		90		30-130	1		20
2-Methylnaphthalene	70		69		40-140	1		20
1,2,4,5-Tetrachlorobenzene	66		58		40-140	13		20
Hexachlorocyclopentadiene	44		**35**	Q	40-140	**23**	Q	20
2,4,6-Trichlorophenol	92		86		30-130	7		20
2,4,5-Trichlorophenol	98		92		30-130	6		20
Biphenyl	70		71		40-140	1		20
2-Chloronaphthalene	78		70		40-140	11		20
2-Nitroaniline	98		93		40-140	5		20
Acenaphthylene	86		79		40-140	8		20
Dimethylphthalate	97		89		40-140	9		20
2,6-Dinitrotoluene	99		92		40-140	7		20
Acenaphthene	86		79		40-140	8		20
3-Nitroaniline	89		90		40-140	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2

Project Number: E50593-01.01

Lab Number: L1625236

Report Date: 08/19/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-11 Batch: WG923180-2 WG923180-3								
2,4-Dinitrophenol	94		93		30-130	1		20
Dibenzofuran	88		83		40-140	6		20
2,3,4,6-Tetrachlorophenol	94		89		30-130	5		20
2,4-Dinitrotoluene	104		99		40-140	5		20
4-Nitrophenol	50		44		30-130	13		20
Fluorene	91		84		40-140	8		20
4-Chlorophenyl phenyl ether	91		82		40-140	10		20
Diethylphthalate	100		93		40-140	7		20
4-Nitroaniline	102		96		40-140	6		20
4,6-Dinitro-2-Methylphenol	98		96		30-130	2		20
Azobenzene	85		83		40-140	2		20
NitrosoDiPhenylAmine(NDPA)/DPA	91		89		40-140	2		20
4-Bromophenyl phenyl ether	87		86		40-140	1		20
Hexachlorobenzene	88		86		40-140	2		20
Atrazine	95		94		40-140	1		20
Pentachlorophenol	90		90		30-130	0		20
Phenanthrene	89		86		40-140	3		20
Anthracene	90		87		40-140	3		20
Carbazole	97		94		40-140	3		20
Di-n-butylphthalate	101		98		40-140	3		20
Fluoranthene	90		90		40-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-11 Batch: WG923180-2 WG923180-3								
Benzidine	**14**	Q	**31**	Q	40-140	**76**	Q	20
Pyrene	91		92		40-140	1		20
Butylbenzylphthalate	95		94		40-140	1		20
3,3'-Dichlorobenzidine	81		78		40-140	4		20
Benz(a)anthracene	95		93		40-140	2		20
Chrysene	91		88		40-140	3		20
Bis(2-Ethylhexyl)phthalate	95		92		40-140	3		20
Di-n-octylphthalate	93		90		40-140	3		20
Benzo(b)fluoranthene	99		96		40-140	3		20
Benzo(k)fluoranthene	98		94		40-140	4		20
Benzo(a)pyrene	96		92		40-140	4		20
Indeno(1,2,3-cd)Pyrene	101		100		40-140	1		20
Dibenz(a,h)anthracene	106		100		40-140	6		20
Benzo(ghi)perylene	99		95		40-140	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2

Project Number: E50593-01.01

Lab Number: L1625236

Report Date: 08/19/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-11 Batch: WG923180-2 WG923180-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	48		47		15-115
Phenol-d5	34		32		15-115
Nitrobenzene-d5	89		83		30-130
2-Fluorobiphenyl	78		73		30-130
2,4,6-Tribromophenol	100		96		15-115
Terphenyl-d14	94		94		30-130

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
PAHs by GC/MS-SIM - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG923129-4 WG923129-5 QC Sample: L1625236-03 Client ID: SW1B-20160810												
Naphthalene	ND	500	330	66		347	69		40-140	5		30
2-Methylnaphthalene	ND	500	372	74		395	79		40-140	6		30
Acenaphthylene	ND	500	352	70		386	77		40-140	9		30
Acenaphthene	ND	500	357	71		388	78		40-140	8		30
Fluorene	ND	500	370	74		402	80		40-140	8		30
Phenanthrene	7.20J	500	415	83		415	83		40-140	0		30
Anthracene	ND	500	404	81		419	84		40-140	4		30
Fluoranthene	9.82J	500	440	88		441	88		40-140	0		30
Pyrene	8.91J	500	421	84		412	82		40-140	2		30
Benz(a)anthracene	4.28J	500	426	85		422	84		40-140	1		30
Chrysene	3.70J	500	421	84		407	81		40-140	3		30
Benzo(b)fluoranthene	3.16J	500	431	86		425	85		40-140	1		30
Benzo(k)fluoranthene	3.50J	500	460	92		437	87		40-140	5		30
Benzo(a)pyrene	3.97J	500	427	85		412	82		40-140	4		30
Indeno(1,2,3-cd)pyrene	2.66J	500	377	75		363	73		40-140	4		30
Dibenz(a,h)anthracene	ND	500	366	73		352	70		40-140	4		30
Benzo(g,h,i)perylene	2.40J	500	397	79		381	76		40-140	4		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	71		77		30-130

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
PAHs by GC/MS-SIM - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG923129-4 WG923129-5 QC Sample: L1625236-03 Client ID: SW1B-20160810												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Benzo(b)fluoranthene-d12	87		84		30-130
Pyrene-d10	85		85		30-130

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG923180-4 WG923180-5 QC Sample: L1625236-03 Client ID: SW1B-20160810												
n-Nitrosodimethylamine	ND	10.2	4.99	49		4.62	45		40-140	8		20
Pyridine	ND	10.2	3.74	**37**	Q	3.68	**36**	Q	40-140	2		20
Benzaldehyde	ND	10.2	7.38	72		7.46	73		40-140	1		20
Aniline	ND	10.2	5.72	56		5.76	56		40-140	1		20
Bis(2-chloroethyl)ether	ND	10.2	7.96	78		8.17	80		40-140	3		20
Phenol	ND	10.2	3.16	31		3.17	31		30-130	0		20
2-Chlorophenol	ND	10.2	7.26	71		7.47	73		30-130	3		20
1,3-Dichlorobenzene	ND	10.2	3.69	**36**	Q	2.90	**28**	Q	40-140	**24**	Q	20
1,4-Dichlorobenzene	ND	10.2	3.82	**37**	Q	3.02	**30**	Q	40-140	**23**	Q	20
1,2-Dichlorobenzene	ND	10.2	4.11	40		3.31	**32**	Q	40-140	**22**	Q	20
Bis(2-chloroisopropyl)ether	ND	10.2	7.98	78		7.92	78		40-140	1		20
2-Methylphenol	ND	10.2	6.32	62		6.68	66		30-130	6		20
Acetophenone	ND	10.2	7.67	75		7.85	77		40-140	2		20
Hexachloroethane	ND	10.2	3.12	**31**	Q	2.36	**23**	Q	40-140	**28**	Q	20
N-Nitroso-di-n-propylamine	ND	10.2	8.36	82		8.72	86		40-140	4		20
4-Methylphenol	ND	10.2	5.95	58		6.12	60		30-130	3		20
Nitrobenzene	ND	10.2	8.28	81		8.44	83		40-140	2		20
Isophorone	ND	10.2	9.02	88		9.24	91		40-140	2		20
2-Nitrophenol	ND	10.2	8.40	82		8.65	85		40-140	3		20
2,4-Dimethylphenol	ND	10.2	6.28	62		7.04	69		40-140	11		20
Benzoic Acid	ND	51	18.7J	**37**	Q	18.6J	**36**	Q	40-140	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG923180-4 WG923180-5 QC Sample: L1625236-03 Client ID: SW1B-20160810												
Bis(2-chloroethoxy)methane	ND	10.2	8.48	83		8.69	85		40-140	2		20
2,4-Dichlorophenol	ND	10.2	8.28	81		8.61	84		30-130	4		20
1,2,4-Trichlorobenzene	ND	10.2	4.18	41		3.40	**33**	Q	40-140	**21**	Q	20
Naphthalene	ND	10.2	5.62	55		5.05	50		40-140	11		20
4-Chloroaniline	ND	10.2	6.87	67		7.46	73		40-140	8		20
Hexachlorobutadiene	ND	10.2	3.16	**31**	Q	2.42	**24**	Q	40-140	**27**	Q	20
Caprolactam	0.345J	10.2	2.95	**29**	Q	2.73	**27**	Q	40-140	8		20
P-Chloro-M-Cresol	ND	10.2	8.93	88		9.30	91		30-130	4		20
2-Methylnaphthalene	ND	10.2	5.35	52		4.90	48		40-140	9		20
1,2,4,5-Tetrachlorobenzene	ND	10.2	4.38	43		3.59	**35**	Q	40-140	20		20
Hexachlorocyclopentadiene	ND	10.2	3.05	**30**	Q	2.38	**23**	Q	40-140	**25**	Q	20
2,4,6-Trichlorophenol	ND	10.2	8.73	86		9.06	89		30-130	4		20
2,4,5-Trichlorophenol	ND	10.2	9.30	91		9.34	92		30-130	0		20
Biphenyl	ND	10.2	6.64	65		6.59	65		40-140	1		20
2-Chloronaphthalene	ND	10.2	5.61	55		5.11	50		40-140	9		20
2-Nitroaniline	ND	10.2	9.92	97		10.0	98		40-140	1		20
Acenaphthylene	ND	10.2	7.24	71		7.00	69		40-140	3		20
Dimethylphthalate	ND	10.2	9.52	93		9.40	92		40-140	1		20
2,6-Dinitrotoluene	ND	10.2	9.70	95		9.66	95		40-140	0		20
Acenaphthene	ND	10.2	6.68	66		6.41	63		40-140	4		20
3-Nitroaniline	ND	10.2	8.36	82		8.38	82		40-140	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG923180-4 WG923180-5 QC Sample: L1625236-03 Client ID: SW1B-20160810												
2,4-Dinitrophenol	ND	10.2	8.89	87		9.13	90		30-130	3		20
Dibenzofuran	ND	10.2	7.17	70		6.88	67		40-140	4		20
2,3,4,6-Tetrachlorophenol	ND	10.2	9.22	90		9.04	89		30-130	2		20
2,4-Dinitrotoluene	ND	10.2	10.1	99		10.0	98		40-140	1		20
4-Nitrophenol	ND	10.2	4.32	42		4.29	42		30-130	1		20
Fluorene	ND	10.2	7.80	76		7.45	73		40-140	5		20
4-Chlorophenyl phenyl ether	ND	10.2	6.79	66		6.22	61		40-140	9		20
Diethylphthalate	ND	10.2	10.1	99		9.69	95		40-140	4		20
4-Nitroaniline	ND	10.2	9.67	95		9.29	91		40-140	4		20
4,6-Dinitro-2-Methylphenol	ND	10.2	9.55	94		9.42	92		30-130	1		20
Azobenzene	ND	10.2	8.23	81		8.22	81		40-140	0		20
NitrosoDiPhenylAmine(NDPA)/DPA	ND	10.2	9.26	91		9.30	91		40-140	0		20
4-Bromophenyl phenyl ether	ND	10.2	7.42	73		7.28	71		40-140	2		20
Hexachlorobenzene	ND	10.2	8.03	79		8.22	81		40-140	2		20
Atrazine	ND	10.2	9.50	93		9.31	91		40-140	2		20
Pentachlorophenol	ND	10.2	8.51	83		9.16	90		30-130	7		20
Phenanthrene	ND	10.2	8.34	82		8.70	85		40-140	4		20
Anthracene	ND	10.2	8.84	87		8.89	87		40-140	1		20
Carbazole	ND	10.2	9.58	94		9.59	94		40-140	0		20
Di-n-butylphthalate	ND	10.2	10.3	101		10.1	99		40-140	2		20
Fluoranthene	ND	10.2	9.27	91		9.55	94		40-140	3		20

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG923180-4 WG923180-5 QC Sample: L1625236-03 Client ID: SW1B-20160810												
Benzidine	ND	25.5	0.942J	**4**	Q	2.93J	**12**	Q	40-140	**103**	Q	20
Pyrene	ND	10.2	9.78	96		9.95	98		40-140	2		20
Butylbenzylphthalate	0.232J	10.2	9.93	97		9.95	98		40-140	0		20
3,3'-Dichlorobenzidine	ND	10.2	6.29	62		6.68	66		40-140	6		20
Benz(a)anthracene	ND	10.2	9.69	95		9.68	95		40-140	0		20
Chrysene	ND	10.2	9.35	92		9.48	93		40-140	1		20
Bis(2-Ethylhexyl)phthalate	0.222J	10.2	10.2	100		10.0	98		40-140	2		20
Di-n-octylphthalate	ND	10.2	9.61	94		9.26	91		40-140	4		20
Benzo(b)fluoranthene	ND	10.2	9.76	96		9.67	95		40-140	1		20
Benzo(k)fluoranthene	ND	10.2	9.46	93		9.47	93		40-140	0		20
Benzo(a)pyrene	ND	10.2	9.26	91		9.39	92		40-140	1		20
Indeno(1,2,3-cd)Pyrene	ND	10.2	9.56	94		9.84	96		40-140	3		20
Dibenz(a,h)anthracene	ND	10.2	9.56	94		10.2	100		40-140	6		20
Benzo(ghi)perylene	ND	10.2	9.44	92		9.55	94		40-140	1		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	100		101		15-115
2-Fluorobiphenyl	77		76		30-130
2-Fluorophenol	44		45		15-115
Nitrobenzene-d5	83		86		30-130
Phenol-d5	31		30		15-115

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG923180-4 WG923180-5 QC Sample: L1625236-03 Client ID: SW1B-20160810												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Terphenyl-d14	93		96		30-130

INORGANICS
&
MISCELLANEOUS

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01
Lab Number: L1625236
Report Date: 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-01
Client ID: EB 20160811
Sample Location: GLENS FALLS, NY
Matrix: Water
Date Collected: 08/11/16 10:00
Date Received: 08/11/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	08/16/16 01:06	121,2540D	MC
Total Organic Carbon	0.620		mg/l	0.500	0.114	1	-	08/18/16 07:36	121,5310C	DW
Dissolved Organic Carbon	0.32	J	mg/l	1.0	0.12	1	08/18/16 12:05	08/18/16 13:57	121,5310C	DW

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-02
Client ID: SW1A-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water

Date Collected: 08/10/16 11:05
Date Received: 08/11/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	08/16/16 01:06	121,2540D	MC
Total Organic Carbon	3.14		mg/l	0.500	0.114	1	-	08/18/16 07:36	121,5310C	DW
Dissolved Organic Carbon	4.0		mg/l	1.0	0.12	1	08/18/16 12:05	08/18/16 13:57	121,5310C	DW

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-03
Client ID: SW1B-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water

Date Collected: 08/10/16 10:55
Date Received: 08/11/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	08/16/16 01:06	121,2540D	MC
Total Organic Carbon	3.41		mg/l	0.500	0.114	1	-	08/18/16 07:36	121,5310C	DW
Dissolved Organic Carbon	3.8		mg/l	1.0	0.12	1	08/18/16 12:05	08/18/16 13:57	121,5310C	DW

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01
Lab Number: L1625236
Report Date: 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-04
Client ID: SW1C-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Date Collected: 08/10/16 10:40
Date Received: 08/11/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	08/16/16 01:06	121,2540D	MC
Total Organic Carbon	3.42		mg/l	0.500	0.114	1	-	08/18/16 07:36	121,5310C	DW
Dissolved Organic Carbon	3.8		mg/l	1.0	0.12	1	08/18/16 12:05	08/18/16 13:57	121,5310C	DW

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-05
Client ID: SW2A-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water

Date Collected: 08/10/16 10:00
Date Received: 08/11/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	08/16/16 01:06	121,2540D	MC
Total Organic Carbon	3.84		mg/l	0.500	0.114	1	-	08/18/16 07:36	121,5310C	DW
Dissolved Organic Carbon	3.3		mg/l	1.0	0.12	1	08/18/16 12:05	08/18/16 13:57	121,5310C	DW

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-06
Client ID: SW2B-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water

Date Collected: 08/10/16 09:50
Date Received: 08/11/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	08/16/16 01:06	121,2540D	MC
Total Organic Carbon	3.41		mg/l	0.500	0.114	1	-	08/18/16 07:36	121,5310C	DW
Dissolved Organic Carbon	3.7		mg/l	1.0	0.12	1	08/18/16 12:05	08/18/16 13:57	121,5310C	DW

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-07
Client ID: SW2C-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water

Date Collected: 08/10/16 09:45
Date Received: 08/11/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	08/16/16 01:06	121,2540D	MC
Total Organic Carbon	3.42		mg/l	0.500	0.114	1	-	08/18/16 07:36	121,5310C	DW
Dissolved Organic Carbon	3.7		mg/l	1.0	0.12	1	08/18/16 12:05	08/18/16 13:57	121,5310C	DW

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01
Lab Number: L1625236
Report Date: 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-08
Client ID: SW3A-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water
Date Collected: 08/10/16 12:35
Date Received: 08/11/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	08/16/16 01:06	121,2540D	MC
Total Organic Carbon	3.49		mg/l	0.500	0.114	1	-	08/18/16 07:36	121,5310C	DW
Dissolved Organic Carbon	3.5		mg/l	1.0	0.12	1	08/18/16 12:05	08/18/16 13:57	121,5310C	DW

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-09
Client ID: SW3B-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water

Date Collected: 08/10/16 12:28
Date Received: 08/11/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	08/16/16 01:06	121,2540D	MC
Total Organic Carbon	3.42		mg/l	0.500	0.114	1	-	08/18/16 07:36	121,5310C	DW
Dissolved Organic Carbon	3.4		mg/l	1.0	0.12	1	08/18/16 12:05	08/18/16 13:57	121,5310C	DW

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-10
Client ID: SW3C-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water

Date Collected: 08/10/16 12:23
Date Received: 08/11/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	08/16/16 01:06	121,2540D	MC
Total Organic Carbon	3.47		mg/l	0.500	0.114	1	-	08/18/16 07:36	121,5310C	DW
Dissolved Organic Carbon	3.6		mg/l	1.0	0.12	1	08/18/16 12:05	08/18/16 13:57	121,5310C	DW

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

SAMPLE RESULTS

Lab ID: L1625236-11
Client ID: DUP-20160810
Sample Location: GLENS FALLS, NY
Matrix: Water

Date Collected: 08/10/16 00:00
Date Received: 08/11/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	08/16/16 01:06	121,2540D	MC
Total Organic Carbon	3.55		mg/l	0.500	0.114	1	-	08/18/16 07:36	121,5310C	DW
Dissolved Organic Carbon	3.6		mg/l	1.0	0.12	1	08/18/16 12:05	08/18/16 13:57	121,5310C	DW

Project Name: FORMER GLENS FALLS OU-2 **Lab Number:** L1625236

Project Number: E50593-01.01 **Report Date:** 08/19/16

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-10 Batch: WG922982-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	08/16/16 01:06	121,2540D	MC
General Chemistry - Westborough Lab for sample(s): 11 Batch: WG922983-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	08/16/16 01:06	121,2540D	MC
General Chemistry - Westborough Lab for sample(s): 01-11 Batch: WG923744-1										
Total Organic Carbon	ND		mg/l	0.500	0.114	1	-	08/18/16 07:36	121,5310C	DW
General Chemistry - Westborough Lab for sample(s): 01-11 Batch: WG923745-1										
Dissolved Organic Carbon	ND		mg/l	1.0	0.12	1	08/18/16 12:05	08/18/16 13:57	121,5310C	DW

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2

Project Number: E50593-01.01

Lab Number: L1625236

Report Date: 08/19/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-11 Batch: WG923744-2								
Total Organic Carbon	99		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-11 Batch: WG923745-2								
Dissolved Organic Carbon	101		-		90-110	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG923744-4 QC Sample: L1625236-03 Client ID: SW1B-20160810												
Total Organic Carbon	3.41	4	8.33	**123**	Q	-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG923745-4 QC Sample: L1625236-03 Client ID: SW1B-20160810												
Dissolved Organic Carbon	3.8	4	7.5	92		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG922982-2 QC Sample: L1625236-03 Client ID: SW1B-20160810						
Solids, Total Suspended	ND	ND	mg/l	NC		29
General Chemistry - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG923744-3 QC Sample: L1625236-03 Client ID: SW1B-20160810						
Total Organic Carbon	3.41	3.49	mg/l	2		20
General Chemistry - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG923745-3 QC Sample: L1625236-03 Client ID: SW1B-20160810						
Dissolved Organic Carbon	3.8	3.5	mg/l	8		20

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler	
A	Absent
D	Absent
B	Absent
C	Absent
E	Absent
F	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1625236-01A	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-01B	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-01C	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-01D	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	TOC-5310(28)
L1625236-01E	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	TOC-5310(28)
L1625236-01F	Vial unpreserved split	D	N/A	4.4	Y	Absent	DOC-5310(28)
L1625236-01G	Vial unpreserved split	D	N/A	4.4	Y	Absent	DOC-5310(28)
L1625236-01H	Plastic 950ml unpreserved	D	7	4.4	Y	Absent	TSS-2540(7)
L1625236-01I	Amber 1000ml unpreserved	D	7	4.4	Y	Absent	A2-SVOC-8270(7)
L1625236-01J	Amber 1000ml unpreserved	D	7	4.4	Y	Absent	A2-SVOC-8270(7)
L1625236-01K	Amber 1000ml unpreserved	D	7	4.4	Y	Absent	A2-PAH-8270SIM(7)
L1625236-01L	Amber 1000ml unpreserved	D	7	4.4	Y	Absent	A2-PAH-8270SIM(7)
L1625236-01Y	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	ARCHIVE(0)
L1625236-01Z	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	ARCHIVE(0)
L1625236-02A	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-02B	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-02C	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-02D	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	TOC-5310(28)
L1625236-02E	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	TOC-5310(28)
L1625236-02F	Vial unpreserved split	F	N/A	5.1	Y	Absent	DOC-5310(28)
L1625236-02G	Vial unpreserved split	F	N/A	5.1	Y	Absent	DOC-5310(28)
L1625236-02H	Plastic 950ml unpreserved	F	7	5.1	Y	Absent	TSS-2540(7)
L1625236-02I	Amber 1000ml unpreserved	F	7	5.1	Y	Absent	A2-SVOC-8270(7)
L1625236-02J	Amber 1000ml unpreserved	F	7	5.1	Y	Absent	A2-SVOC-8270(7)

*Values in parentheses indicate holding time in days

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1625236-02K	Amber 1000ml unpreserved	F	7	5.1	Y	Absent	A2-PAH-8270SIM(7)
L1625236-02L	Amber 1000ml unpreserved	F	7	5.1	Y	Absent	A2-PAH-8270SIM(7)
L1625236-02Y	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	ARCHIVE(0)
L1625236-02Z	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	ARCHIVE(0)
L1625236-03A	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-03A1	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-03A2	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-03B	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-03B1	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-03B2	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-03C	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-03C1	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-03C2	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-03D	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	TOC-5310(28)
L1625236-03D1	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	TOC-5310(28)
L1625236-03D2	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	TOC-5310(28)
L1625236-03E	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	TOC-5310(28)
L1625236-03E1	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	TOC-5310(28)
L1625236-03E2	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	TOC-5310(28)
L1625236-03F	Vial unpreserved split	A	N/A	4.0	Y	Absent	DOC-5310(28)
L1625236-03F1	Vial unpreserved split	A	N/A	4.0	Y	Absent	DOC-5310(28)
L1625236-03F2	Vial unpreserved split	A	N/A	4.0	Y	Absent	DOC-5310(28)
L1625236-03G	Vial unpreserved split	A	N/A	4.0	Y	Absent	DOC-5310(28)
L1625236-03G1	Vial unpreserved split	A	N/A	4.0	Y	Absent	DOC-5310(28)
L1625236-03G2	Vial unpreserved split	A	N/A	4.0	Y	Absent	DOC-5310(28)
L1625236-03H	Plastic 950ml unpreserved	C	7	3.9	Y	Absent	TSS-2540(7)
L1625236-03H1	Plastic 950ml unpreserved	C	7	3.9	Y	Absent	TSS-2540(7)
L1625236-03H2	Plastic 950ml unpreserved	E	7	4.8	Y	Absent	TSS-2540(7)
L1625236-03I	Amber 1000ml unpreserved	C	7	3.9	Y	Absent	A2-SVOC-8270(7)
L1625236-03I1	Amber 1000ml unpreserved	C	7	3.9	Y	Absent	A2-SVOC-8270(7)
L1625236-03I2	Amber 1000ml unpreserved	E	7	4.8	Y	Absent	A2-SVOC-8270(7)
L1625236-03J	Amber 1000ml unpreserved	C	7	3.9	Y	Absent	A2-SVOC-8270(7)
L1625236-03J1	Amber 1000ml unpreserved	C	7	3.9	Y	Absent	A2-SVOC-8270(7)
L1625236-03J2	Amber 1000ml unpreserved	E	7	4.8	Y	Absent	A2-SVOC-8270(7)
L1625236-03K	Amber 1000ml unpreserved	C	7	3.9	Y	Absent	A2-PAH-8270SIM(7)
L1625236-03K1	Amber 1000ml unpreserved	C	7	3.9	Y	Absent	A2-PAH-8270SIM(7)

*Values in parentheses indicate holding time in days

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1625236-03K2	Amber 1000ml unpreserved	E	7	4.8	Y	Absent	A2-PAH-8270SIM(7)
L1625236-03L	Amber 1000ml unpreserved	C	7	3.9	Y	Absent	A2-PAH-8270SIM(7)
L1625236-03L1	Amber 1000ml unpreserved	C	7	3.9	Y	Absent	A2-PAH-8270SIM(7)
L1625236-03L2	Amber 1000ml unpreserved	E	7	4.8	Y	Absent	A2-PAH-8270SIM(7)
L1625236-03Y	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	ARCHIVE(0)
L1625236-03Y1	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	ARCHIVE(0)
L1625236-03Y2	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	ARCHIVE(0)
L1625236-03Z	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	ARCHIVE(0)
L1625236-03Z1	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	ARCHIVE(0)
L1625236-03Z2	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	ARCHIVE(0)
L1625236-04A	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-04B	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-04C	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-04D	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	TOC-5310(28)
L1625236-04E	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	TOC-5310(28)
L1625236-04F	Vial unpreserved split	C	N/A	3.9	Y	Absent	DOC-5310(28)
L1625236-04G	Vial unpreserved split	C	N/A	3.9	Y	Absent	DOC-5310(28)
L1625236-04H	Plastic 950ml unpreserved	C	7	3.9	Y	Absent	TSS-2540(7)
L1625236-04I	Amber 1000ml unpreserved	C	7	3.9	Y	Absent	A2-SVOC-8270(7)
L1625236-04J	Amber 1000ml unpreserved	C	7	3.9	Y	Absent	A2-SVOC-8270(7)
L1625236-04K	Amber 1000ml unpreserved	C	7	3.9	Y	Absent	A2-PAH-8270SIM(7)
L1625236-04L	Amber 1000ml unpreserved	C	7	3.9	Y	Absent	A2-PAH-8270SIM(7)
L1625236-04Y	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	ARCHIVE(0)
L1625236-04Z	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	ARCHIVE(0)
L1625236-05A	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-05B	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-05C	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-05D	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	TOC-5310(28)
L1625236-05E	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	TOC-5310(28)
L1625236-05F	Vial unpreserved split	F	N/A	5.1	Y	Absent	DOC-5310(28)
L1625236-05G	Vial unpreserved split	F	N/A	5.1	Y	Absent	DOC-5310(28)
L1625236-05H	Plastic 950ml unpreserved	F	7	5.1	Y	Absent	TSS-2540(7)
L1625236-05I	Amber 1000ml unpreserved	F	7	5.1	Y	Absent	A2-SVOC-8270(7)
L1625236-05J	Amber 1000ml unpreserved	F	7	5.1	Y	Absent	A2-SVOC-8270(7)
L1625236-05K	Amber 1000ml unpreserved	F	7	5.1	Y	Absent	A2-PAH-8270SIM(7)
L1625236-05L	Amber 1000ml unpreserved	F	7	5.1	Y	Absent	A2-PAH-8270SIM(7)

*Values in parentheses indicate holding time in days

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1625236-05Y	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	ARCHIVE(0)
L1625236-06A	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-06B	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-06C	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-06D	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	TOC-5310(28)
L1625236-06E	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	TOC-5310(28)
L1625236-06F	Vial unpreserved split	F	N/A	5.1	Y	Absent	DOC-5310(28)
L1625236-06G	Vial unpreserved split	F	N/A	5.1	Y	Absent	DOC-5310(28)
L1625236-06H	Plastic 950ml unpreserved	F	7	5.1	Y	Absent	TSS-2540(7)
L1625236-06I	Amber 1000ml unpreserved	F	7	5.1	Y	Absent	A2-SVOC-8270(7)
L1625236-06J	Amber 1000ml unpreserved	F	7	5.1	Y	Absent	A2-SVOC-8270(7)
L1625236-06K	Amber 1000ml unpreserved	F	7	5.1	Y	Absent	A2-PAH-8270SIM(7)
L1625236-06L	Amber 1000ml unpreserved	F	7	5.1	Y	Absent	A2-PAH-8270SIM(7)
L1625236-06Y	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	ARCHIVE(0)
L1625236-07A	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-07B	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-07C	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-07D	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	TOC-5310(28)
L1625236-07E	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	TOC-5310(28)
L1625236-07F	Vial unpreserved split	B	N/A	5.2	Y	Absent	DOC-5310(28)
L1625236-07G	Vial unpreserved split	B	N/A	5.2	Y	Absent	DOC-5310(28)
L1625236-07H	Plastic 950ml unpreserved	B	7	5.2	Y	Absent	TSS-2540(7)
L1625236-07I	Amber 1000ml unpreserved	B	7	5.2	Y	Absent	A2-SVOC-8270(7)
L1625236-07J	Amber 1000ml unpreserved	B	7	5.2	Y	Absent	A2-SVOC-8270(7)
L1625236-07K	Amber 1000ml unpreserved	F	7	5.1	Y	Absent	A2-PAH-8270SIM(7)
L1625236-07L	Amber 1000ml unpreserved	F	7	5.1	Y	Absent	A2-PAH-8270SIM(7)
L1625236-07Y	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	ARCHIVE(0)
L1625236-07Z	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	ARCHIVE(0)
L1625236-08A	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-08B	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-08C	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-08D	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	TOC-5310(28)
L1625236-08E	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	TOC-5310(28)
L1625236-08F	Vial unpreserved split	D	N/A	4.4	Y	Absent	DOC-5310(28)
L1625236-08G	Vial unpreserved split	D	N/A	4.4	Y	Absent	DOC-5310(28)
L1625236-08H	Plastic 950ml unpreserved	D	7	4.4	Y	Absent	TSS-2540(7)

*Values in parentheses indicate holding time in days

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1625236-08I	Amber 1000ml unpreserved	D	7	4.4	Y	Absent	A2-SVOC-8270(7)
L1625236-08J	Amber 1000ml unpreserved	D	7	4.4	Y	Absent	A2-SVOC-8270(7)
L1625236-08K	Amber 1000ml unpreserved	D	7	4.4	Y	Absent	A2-PAH-8270SIM(7)
L1625236-08L	Amber 1000ml unpreserved	D	7	4.4	Y	Absent	A2-PAH-8270SIM(7)
L1625236-08Y	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	ARCHIVE(0)
L1625236-08Z	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	ARCHIVE(0)
L1625236-09A	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-09B	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-09C	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-09D	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	TOC-5310(28)
L1625236-09E	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	TOC-5310(28)
L1625236-09F	Vial unpreserved split	D	N/A	4.4	Y	Absent	DOC-5310(28)
L1625236-09G	Vial unpreserved split	D	N/A	4.4	Y	Absent	DOC-5310(28)
L1625236-09H	Plastic 950ml unpreserved	D	7	4.4	Y	Absent	TSS-2540(7)
L1625236-09I	Amber 1000ml unpreserved	D	7	4.4	Y	Absent	A2-SVOC-8270(7)
L1625236-09J	Amber 1000ml unpreserved	D	7	4.4	Y	Absent	A2-SVOC-8270(7)
L1625236-09K	Amber 1000ml unpreserved	D	7	4.4	Y	Absent	A2-PAH-8270SIM(7)
L1625236-09L	Amber 1000ml unpreserved	D	7	4.4	Y	Absent	A2-PAH-8270SIM(7)
L1625236-09Y	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	ARCHIVE(0)
L1625236-09Z	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	ARCHIVE(0)
L1625236-10A	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-10B	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-10C	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-10D	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	TOC-5310(28)
L1625236-10E	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	TOC-5310(28)
L1625236-10F	Vial unpreserved split	B	N/A	5.2	Y	Absent	DOC-5310(28)
L1625236-10G	Vial unpreserved split	B	N/A	5.2	Y	Absent	DOC-5310(28)
L1625236-10H	Plastic 950ml unpreserved	B	7	5.2	Y	Absent	TSS-2540(7)
L1625236-10I	Amber 1000ml unpreserved	B	7	5.2	Y	Absent	A2-SVOC-8270(7)
L1625236-10J	Amber 1000ml unpreserved	B	7	5.2	Y	Absent	A2-SVOC-8270(7)
L1625236-10K	Amber 1000ml unpreserved	B	7	5.2	Y	Absent	A2-PAH-8270SIM(7)
L1625236-10L	Amber 1000ml unpreserved	B	7	5.2	Y	Absent	A2-PAH-8270SIM(7)
L1625236-10Y	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	ARCHIVE(0)
L1625236-10Z	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	ARCHIVE(0)
L1625236-11A	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-11B	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)

*Values in parentheses indicate holding time in days

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1625236-11C	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-11D	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	TOC-5310(28)
L1625236-11E	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	TOC-5310(28)
L1625236-11F	Vial unpreserved split	B	N/A	5.2	Y	Absent	DOC-5310(28)
L1625236-11G	Vial unpreserved split	B	N/A	5.2	Y	Absent	DOC-5310(28)
L1625236-11H	Plastic 950ml unpreserved	B	7	5.2	Y	Absent	TSS-2540(7)
L1625236-11I	Amber 1000ml unpreserved	B	7	5.2	Y	Absent	A2-SVOC-8270(7)
L1625236-11J	Amber 1000ml unpreserved	B	7	5.2	Y	Absent	A2-SVOC-8270(7)
L1625236-11K	Amber 1000ml unpreserved	B	7	5.2	Y	Absent	A2-PAH-8270SIM(7)
L1625236-11L	Amber 1000ml unpreserved	B	7	5.2	Y	Absent	A2-PAH-8270SIM(7)
L1625236-11Y	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	ARCHIVE(0)
L1625236-11Z	Vial H2SO4 preserved	A	N/A	4.0	Y	Absent	ARCHIVE(0)
L1625236-12A	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-12B	Vial HCl preserved	A	N/A	4.0	Y	Absent	8260(14)
L1625236-12C	Vial HCl preserved	A	N/A	4.0	Y	Absent	-
L1625236-12D	Vial HCl preserved	A	N/A	4.0	Y	Absent	-

*Values in parentheses indicate holding time in days

Project Name:	FORMER GLENS FALLS OU-2	**Lab Number:**	L1625236
Project Number:	E50593-01.01	**Report Date:**	08/19/16

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the

Report Format: DU Report with 'J' Qualifiers

Project Name:	FORMER GLENS FALLS OU-2	**Lab Number:**	L1625236
Project Number:	E50593-01.01	**Report Date:**	08/19/16

Data Qualifiers

reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	FORMER GLENS FALLS OU-2	**Lab Number:**	L1625236
Project Number:	E50593-01.01	**Report Date:**	08/19/16

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: ***EPA 3050B***

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 8/12/16

ALPHA Job #: L1625236

Client Information
Client: Anchor QEA
Address: 4300 RTE 51 Suite 202
Phone: 518-886-0643
Fax:
Email: mcavs@anchorqea.com

Project Information
Project Name: Former Glens Falls OU-2
Project Location: Glens Falls, NY
Project # E50593-01.01
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Please hold samples until notified to proceed. Call if we are w/in 24hrs of hold time

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TOC/DOC	TSS	VOC	SVOC	PAH				Total Bottle	Sample Specific Comments
	~~Trip Blank 20160811~~	~~8/11/2016~~	~~99:99~~	W	MFC			~~VOC~~						~~3~~	
25236-01	EB 20160811	8/11/2016	10:00	W	MFC	4	1	3	2	2				12	DOC needs to be pull
02	SW1A-20160810	8/10/2016	11:05			4	1	3						12	From other bottles
03	SW1B-20160810		10:55			4	1	3						12	For all samples
04	SW1C-20160810		10:40			4	1	3						12	
05	SW2A-20160810		10:00			4	1	3						12	
06	SW2B-20160810		9:50			4	1	3						12	
07	SW2C-20160810		9:45			4	1	3						12	
08	SW3A-20160810		12:35			4	1	3						12	
09	SW3B-20160810		12:28			4	1	3						12	

Container Type	A	P	V	A	A			
Preservative	D	A	B	A	A			

Preservative Code: A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; K/E = Zn Ac/NaOH; O = Other

Container Code: P = Plastic; A = Amber Glass; V = Vial; G = Glass; B = Bacteria Cup; C = Cube; O = Other; E = Encore; D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	8/11/2016 1400		8/11/16 14:00
	8/11/16		8/12/16 0140

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL
Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 8/12/16

ALPHA Job #: L1625236

Client Information
Client: AnchorQEA
Address: 4300 RTE 50, Suite 202
Phone: 518-886-0643
Fax:
Email: mgauvreau@anchorqea.com

Project Information
Project Name: Former Glens Falls On-2
Project Location: Glens Falls, NY
Project #: E50593-01.01
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Please hold samples until notified to proceed. Call if we are w/in 24 hrs of hold time

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TOC/DOC	TSS	VOC	SVOC	PAH	Sample Specific Comments	Total Bottle
25236-10	SW3C-20160810	8/10/2016	12:23	W	MPC	4	1	3	2	2	DOC needs to be	12
11	DUP-20160810	8/10/2016	99:99	W	MPC	↓	↓	↓	↓	↓	pulled from other	12
03	SW1B-MS-20160810	↓	10:55	↓	↓	↓	↓	↓	↓	↓	bottles for all	12
03	SW1B-MSD-20160810	↓	10:55	↓	↓	↓	↓	↓	↓	↓	samples	12
12	TRIP Blank-20160810	8/10/2016	99:99	W	MPC			2				2

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	P	V	A	A				
Preservative	D	A	B	A	A				

Relinquished By:	Date/Time	Received By:	Date/Time
	8/11/2016 1400		8/11/16 1400
	8/12/16		8/12/16 0100

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Alpha
Summary Forms

Organic Summary Forms

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-01	Date Collected	: 08/11/16 10:00
Client ID	: EB 20160811	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 14:39
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171608	Analyst	: ML
Sample Amount	: 940 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.532	0.077	U
110-86-1	Pyridine	ND	0.532	0.173	U
100-52-7	Benzaldehyde	ND	2.13	0.126	U
62-53-3	Aniline	ND	1.06	0.135	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.532	0.099	U
108-95-2	Phenol	ND	0.532	0.055	U
95-57-8	2-Chlorophenol	ND	0.532	0.097	U
541-73-1	1,3-Dichlorobenzene	ND	0.532	0.083	U
106-46-7	1,4-Dichlorobenzene	ND	0.532	0.088	U
95-50-1	1,2-Dichlorobenzene	ND	0.532	0.072	U
100-51-6	Benzyl alcohol	ND	0.532	0.131	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.532	0.115	U
95-48-7	2-Methylphenol	ND	0.532	0.111	U
98-86-2	Acetophenone	ND	1.06	0.220	U
67-72-1	Hexachloroethane	ND	0.532	0.108	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.532	0.131	U
106-44-5	4-Methylphenol	ND	0.532	0.120	U
98-95-3	Nitrobenzene	ND	0.532	0.108	U
78-59-1	Isophorone	ND	0.532	0.134	U
88-75-5	2-Nitrophenol	ND	0.532	0.122	U
105-67-9	2,4-Dimethylphenol	ND	2.13	0.256	U
65-85-0	Benzoic acid	ND	42.6	3.20	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.532	0.091	U
120-83-2	2,4-Dichlorophenol	ND	0.532	0.106	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-01	Date Collected	: 08/11/16 10:00
Client ID	: EB 20160811	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 14:39
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171608	Analyst	: ML
Sample Amount	: 940 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.532	0.102	U
106-47-8	4-Chloroaniline	ND	0.532	0.136	U
87-68-3	Hexachlorobutadiene	ND	0.532	0.091	U
105-60-2	Caprolactam	0.158	2.13	0.131	J
59-50-7	4-Chloro-3-methylphenol	ND	0.532	0.110	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.532	0.085	U
77-47-4	Hexachlorocyclopentadiene	ND	0.532	0.163	U
88-06-2	2,4,6-Trichlorophenol	ND	0.532	0.162	U
95-95-4	2,4,5-Trichlorophenol	ND	0.532	0.097	U
92-52-4	Biphenyl	ND	0.532	0.118	U
91-58-7	2-Chloronaphthalene	ND	0.532	0.096	U
88-74-4	2-Nitroaniline	ND	0.532	0.147	U
131-11-3	Dimethylphthalate	ND	0.532	0.124	U
606-20-2	2,6-Dinitrotoluene	ND	0.532	0.179	U
99-09-2	3-Nitroaniline	ND	0.532	0.118	U
51-28-5	2,4-Dinitrophenol	ND	5.32	0.774	U
132-64-9	Dibenzofuran	ND	0.532	0.097	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.532	0.152	U
121-14-2	2,4-Dinitrotoluene	ND	0.532	0.173	U
100-02-7	4-Nitrophenol	ND	2.66	0.628	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.532	0.084	U
84-66-2	Diethylphthalate	ND	0.532	0.191	U
100-01-6	4-Nitroaniline	ND	0.532	0.119	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.13	0.542	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-01	Date Collected	: 08/11/16 10:00
Client ID	: EB 20160811	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 14:39
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171608	Analyst	: ML
Sample Amount	: 940 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.532	0.136	U
86-30-6	n-Nitrosodiphenylamine	ND	0.532	0.077	U
101-55-3	4-Bromophenyl-phenylether	ND	0.532	0.106	U
118-74-1	Hexachlorobenzene	ND	0.532	0.130	U
1912-24-9	Atrazine	ND	0.532	0.170	U
87-86-5	Pentachlorophenol	ND	2.13	0.457	U
82-68-8	Pentachloronitrobenzene	ND	0.532	0.180	U
86-74-8	Carbazole	ND	0.532	0.152	U
84-74-2	Di-n-butylphthalate	ND	0.532	0.106	U
92-87-5	Benzidine	ND	106	0.494	U
85-68-7	Butylbenzylphthalate	0.233	0.532	0.090	J
91-94-1	3,3'-Dichlorobenzidine	ND	0.532	0.205	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.232	0.532	0.086	J
117-84-0	Di-n-octylphthalate	ND	1.06	0.084	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-02	Date Collected	: 08/10/16 11:05
Client ID	: SW1A-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 15:12
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171609	Analyst	: ML
Sample Amount	: 1000 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.500	0.072	U
110-86-1	Pyridine	ND	0.500	0.163	U
100-52-7	Benzaldehyde	ND	2.00	0.119	U
62-53-3	Aniline	ND	1.00	0.127	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.500	0.093	U
108-95-2	Phenol	ND	0.500	0.051	U
95-57-8	2-Chlorophenol	ND	0.500	0.091	U
541-73-1	1,3-Dichlorobenzene	ND	0.500	0.078	U
106-46-7	1,4-Dichlorobenzene	ND	0.500	0.083	U
95-50-1	1,2-Dichlorobenzene	ND	0.500	0.068	U
100-51-6	Benzyl alcohol	ND	0.500	0.123	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.500	0.108	U
95-48-7	2-Methylphenol	ND	0.500	0.104	U
98-86-2	Acetophenone	ND	1.00	0.207	U
67-72-1	Hexachloroethane	ND	0.500	0.102	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.500	0.123	U
106-44-5	4-Methylphenol	ND	0.500	0.113	U
98-95-3	Nitrobenzene	ND	0.500	0.102	U
78-59-1	Isophorone	ND	0.500	0.126	U
88-75-5	2-Nitrophenol	ND	0.500	0.115	U
105-67-9	2,4-Dimethylphenol	ND	2.00	0.241	U
65-85-0	Benzoic acid	ND	40.0	3.01	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.500	0.085	U
120-83-2	2,4-Dichlorophenol	ND	0.500	0.100	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-02	Date Collected	: 08/10/16 11:05
Client ID	: SW1A-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 15:12
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171609	Analyst	: ML
Sample Amount	: 1000 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.500	0.096	U
106-47-8	4-Chloroaniline	ND	0.500	0.128	U
87-68-3	Hexachlorobutadiene	ND	0.500	0.086	U
105-60-2	Caprolactam	0.268	2.00	0.123	J
59-50-7	4-Chloro-3-methylphenol	ND	0.500	0.103	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.500	0.080	U
77-47-4	Hexachlorocyclopentadiene	ND	0.500	0.153	U
88-06-2	2,4,6-Trichlorophenol	ND	0.500	0.152	U
95-95-4	2,4,5-Trichlorophenol	ND	0.500	0.091	U
92-52-4	Biphenyl	ND	0.500	0.111	U
91-58-7	2-Chloronaphthalene	ND	0.500	0.090	U
88-74-4	2-Nitroaniline	ND	0.500	0.138	U
131-11-3	Dimethylphthalate	ND	0.500	0.117	U
606-20-2	2,6-Dinitrotoluene	ND	0.500	0.168	U
99-09-2	3-Nitroaniline	ND	0.500	0.111	U
51-28-5	2,4-Dinitrophenol	ND	5.00	0.728	U
132-64-9	Dibenzofuran	ND	0.500	0.091	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.500	0.143	U
121-14-2	2,4-Dinitrotoluene	ND	0.500	0.163	U
100-02-7	4-Nitrophenol	ND	2.50	0.590	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.500	0.079	U
84-66-2	Diethylphthalate	ND	0.500	0.180	U
100-01-6	4-Nitroaniline	ND	0.500	0.112	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.00	0.510	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-02	Date Collected	: 08/10/16 11:05
Client ID	: SW1A-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 15:12
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171609	Analyst	: ML
Sample Amount	: 1000 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.500	0.128	U
86-30-6	n-Nitrosodiphenylamine	ND	0.500	0.072	U
101-55-3	4-Bromophenyl-phenylether	ND	0.500	0.100	U
118-74-1	Hexachlorobenzene	ND	0.500	0.122	U
1912-24-9	Atrazine	ND	0.500	0.160	U
87-86-5	Pentachlorophenol	ND	2.00	0.430	U
82-68-8	Pentachloronitrobenzene	ND	0.500	0.169	U
86-74-8	Carbazole	ND	0.500	0.143	U
84-74-2	Di-n-butylphthalate	ND	0.500	0.100	U
92-87-5	Benzidine	ND	100	0.464	U
85-68-7	Butylbenzylphthalate	0.289	0.500	0.085	J
91-94-1	3,3'-Dichlorobenzidine	ND	0.500	0.193	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.226	0.500	0.081	J
117-84-0	Di-n-octylphthalate	ND	1.00	0.079	U

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SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-03	Date Collected	: 08/10/16 10:55
Client ID	: SW1B-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 15:45
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171610	Analyst	: ML
Sample Amount	: 1000 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.500	0.072	U
110-86-1	Pyridine	ND	0.500	0.163	U
100-52-7	Benzaldehyde	ND	2.00	0.119	U
62-53-3	Aniline	ND	1.00	0.127	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.500	0.093	U
108-95-2	Phenol	ND	0.500	0.051	U
95-57-8	2-Chlorophenol	ND	0.500	0.091	U
541-73-1	1,3-Dichlorobenzene	ND	0.500	0.078	U
106-46-7	1,4-Dichlorobenzene	ND	0.500	0.083	U
95-50-1	1,2-Dichlorobenzene	ND	0.500	0.068	U
100-51-6	Benzyl alcohol	ND	0.500	0.123	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.500	0.108	U
95-48-7	2-Methylphenol	ND	0.500	0.104	U
98-86-2	Acetophenone	ND	1.00	0.207	U
67-72-1	Hexachloroethane	ND	0.500	0.102	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.500	0.123	U
106-44-5	4-Methylphenol	ND	0.500	0.113	U
98-95-3	Nitrobenzene	ND	0.500	0.102	U
78-59-1	Isophorone	ND	0.500	0.126	U
88-75-5	2-Nitrophenol	ND	0.500	0.115	U
105-67-9	2,4-Dimethylphenol	ND	2.00	0.241	U
65-85-0	Benzoic acid	ND	40.0	3.01	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.500	0.085	U
120-83-2	2,4-Dichlorophenol	ND	0.500	0.100	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-03	Date Collected	: 08/10/16 10:55
Client ID	: SW1B-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 15:45
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171610	Analyst	: ML
Sample Amount	: 1000 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.500	0.096	U
106-47-8	4-Chloroaniline	ND	0.500	0.128	U
87-68-3	Hexachlorobutadiene	ND	0.500	0.086	U
105-60-2	Caprolactam	0.345	2.00	0.123	J
59-50-7	4-Chloro-3-methylphenol	ND	0.500	0.103	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.500	0.080	U
77-47-4	Hexachlorocyclopentadiene	ND	0.500	0.153	U
88-06-2	2,4,6-Trichlorophenol	ND	0.500	0.152	U
95-95-4	2,4,5-Trichlorophenol	ND	0.500	0.091	U
92-52-4	Biphenyl	ND	0.500	0.111	U
91-58-7	2-Chloronaphthalene	ND	0.500	0.090	U
88-74-4	2-Nitroaniline	ND	0.500	0.138	U
131-11-3	Dimethylphthalate	ND	0.500	0.117	U
606-20-2	2,6-Dinitrotoluene	ND	0.500	0.168	U
99-09-2	3-Nitroaniline	ND	0.500	0.111	U
51-28-5	2,4-Dinitrophenol	ND	5.00	0.728	U
132-64-9	Dibenzofuran	ND	0.500	0.091	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.500	0.143	U
121-14-2	2,4-Dinitrotoluene	ND	0.500	0.163	U
100-02-7	4-Nitrophenol	ND	2.50	0.590	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.500	0.079	U
84-66-2	Diethylphthalate	ND	0.500	0.180	U
100-01-6	4-Nitroaniline	ND	0.500	0.112	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.00	0.510	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-03	Date Collected	: 08/10/16 10:55
Client ID	: SW1B-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 15:45
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171610	Analyst	: ML
Sample Amount	: 1000 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.500	0.128	U
86-30-6	n-Nitrosodiphenylamine	ND	0.500	0.072	U
101-55-3	4-Bromophenyl-phenylether	ND	0.500	0.100	U
118-74-1	Hexachlorobenzene	ND	0.500	0.122	U
1912-24-9	Atrazine	ND	0.500	0.160	U
87-86-5	Pentachlorophenol	ND	2.00	0.430	U
82-68-8	Pentachloronitrobenzene	ND	0.500	0.169	U
86-74-8	Carbazole	ND	0.500	0.143	U
84-74-2	Di-n-butylphthalate	ND	0.500	0.100	U
92-87-5	Benzidine	ND	100	0.464	U
85-68-7	Butylbenzylphthalate	0.232	0.500	0.085	J
91-94-1	3,3'-Dichlorobenzidine	ND	0.500	0.193	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.222	0.500	0.081	J
117-84-0	Di-n-octylphthalate	ND	1.00	0.079	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-04	Date Collected	: 08/10/16 10:40
Client ID	: SW1C-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 17:23
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171613	Analyst	: ML
Sample Amount	: 990 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.505	0.073	U
110-86-1	Pyridine	ND	0.505	0.165	U
100-52-7	Benzaldehyde	ND	2.02	0.120	U
62-53-3	Aniline	ND	1.01	0.128	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.505	0.094	U
108-95-2	Phenol	ND	0.505	0.052	U
95-57-8	2-Chlorophenol	ND	0.505	0.092	U
541-73-1	1,3-Dichlorobenzene	ND	0.505	0.079	U
106-46-7	1,4-Dichlorobenzene	ND	0.505	0.084	U
95-50-1	1,2-Dichlorobenzene	ND	0.505	0.069	U
100-51-6	Benzyl alcohol	ND	0.505	0.124	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.505	0.109	U
95-48-7	2-Methylphenol	ND	0.505	0.105	U
98-86-2	Acetophenone	ND	1.01	0.209	U
67-72-1	Hexachloroethane	ND	0.505	0.103	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.505	0.124	U
106-44-5	4-Methylphenol	ND	0.505	0.114	U
98-95-3	Nitrobenzene	ND	0.505	0.103	U
78-59-1	Isophorone	ND	0.505	0.127	U
88-75-5	2-Nitrophenol	ND	0.505	0.116	U
105-67-9	2,4-Dimethylphenol	ND	2.02	0.243	U
65-85-0	Benzoic acid	ND	40.4	3.04	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.505	0.086	U
120-83-2	2,4-Dichlorophenol	ND	0.505	0.101	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-04	Date Collected	: 08/10/16 10:40
Client ID	: SW1C-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 17:23
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171613	Analyst	: ML
Sample Amount	: 990 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.505	0.097	U
106-47-8	4-Chloroaniline	ND	0.505	0.129	U
87-68-3	Hexachlorobutadiene	ND	0.505	0.086	U
105-60-2	Caprolactam	0.242	2.02	0.124	J
59-50-7	4-Chloro-3-methylphenol	ND	0.505	0.104	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.505	0.081	U
77-47-4	Hexachlorocyclopentadiene	ND	0.505	0.154	U
88-06-2	2,4,6-Trichlorophenol	ND	0.505	0.154	U
95-95-4	2,4,5-Trichlorophenol	ND	0.505	0.092	U
92-52-4	Biphenyl	ND	0.505	0.112	U
91-58-7	2-Chloronaphthalene	ND	0.505	0.091	U
88-74-4	2-Nitroaniline	ND	0.505	0.139	U
131-11-3	Dimethylphthalate	ND	0.505	0.118	U
606-20-2	2,6-Dinitrotoluene	ND	0.505	0.170	U
99-09-2	3-Nitroaniline	ND	0.505	0.112	U
51-28-5	2,4-Dinitrophenol	ND	5.05	0.735	U
132-64-9	Dibenzofuran	ND	0.505	0.092	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.505	0.144	U
121-14-2	2,4-Dinitrotoluene	ND	0.505	0.165	U
100-02-7	4-Nitrophenol	ND	2.52	0.596	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.505	0.080	U
84-66-2	Diethylphthalate	ND	0.505	0.182	U
100-01-6	4-Nitroaniline	ND	0.505	0.113	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.02	0.515	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-04	Date Collected	: 08/10/16 10:40
Client ID	: SW1C-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 17:23
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171613	Analyst	: ML
Sample Amount	: 990 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.505	0.129	U
86-30-6	n-Nitrosodiphenylamine	ND	0.505	0.073	U
101-55-3	4-Bromophenyl-phenylether	ND	0.505	0.101	U
118-74-1	Hexachlorobenzene	ND	0.505	0.123	U
1912-24-9	Atrazine	ND	0.505	0.162	U
87-86-5	Pentachlorophenol	ND	2.02	0.434	U
82-68-8	Pentachloronitrobenzene	ND	0.505	0.171	U
86-74-8	Carbazole	ND	0.505	0.144	U
84-74-2	Di-n-butylphthalate	ND	0.505	0.101	U
92-87-5	Benzidine	ND	101	0.469	U
85-68-7	Butylbenzylphthalate	0.280	0.505	0.086	J
91-94-1	3,3'-Dichlorobenzidine	ND	0.505	0.195	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.245	0.505	0.082	J
117-84-0	Di-n-octylphthalate	ND	1.01	0.079	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-05	Date Collected	: 08/10/16 10:00
Client ID	: SW2A-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 17:56
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171614	Analyst	: ML
Sample Amount	: 1000 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.500	0.072	U
110-86-1	Pyridine	ND	0.500	0.163	U
100-52-7	Benzaldehyde	ND	2.00	0.119	U
62-53-3	Aniline	ND	1.00	0.127	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.500	0.093	U
108-95-2	Phenol	ND	0.500	0.051	U
95-57-8	2-Chlorophenol	ND	0.500	0.091	U
541-73-1	1,3-Dichlorobenzene	ND	0.500	0.078	U
106-46-7	1,4-Dichlorobenzene	ND	0.500	0.083	U
95-50-1	1,2-Dichlorobenzene	ND	0.500	0.068	U
100-51-6	Benzyl alcohol	ND	0.500	0.123	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.500	0.108	U
95-48-7	2-Methylphenol	ND	0.500	0.104	U
98-86-2	Acetophenone	ND	1.00	0.207	U
67-72-1	Hexachloroethane	ND	0.500	0.102	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.500	0.123	U
106-44-5	4-Methylphenol	ND	0.500	0.113	U
98-95-3	Nitrobenzene	ND	0.500	0.102	U
78-59-1	Isophorone	ND	0.500	0.126	U
88-75-5	2-Nitrophenol	ND	0.500	0.115	U
105-67-9	2,4-Dimethylphenol	ND	2.00	0.241	U
65-85-0	Benzoic acid	ND	40.0	3.01	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.500	0.085	U
120-83-2	2,4-Dichlorophenol	ND	0.500	0.100	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-05	Date Collected	: 08/10/16 10:00
Client ID	: SW2A-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 17:56
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171614	Analyst	: ML
Sample Amount	: 1000 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.500	0.096	U
106-47-8	4-Chloroaniline	ND	0.500	0.128	U
87-68-3	Hexachlorobutadiene	ND	0.500	0.086	U
105-60-2	Caprolactam	0.144	2.00	0.123	J
59-50-7	4-Chloro-3-methylphenol	ND	0.500	0.103	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.500	0.080	U
77-47-4	Hexachlorocyclopentadiene	ND	0.500	0.153	U
88-06-2	2,4,6-Trichlorophenol	ND	0.500	0.152	U
95-95-4	2,4,5-Trichlorophenol	ND	0.500	0.091	U
92-52-4	Biphenyl	ND	0.500	0.111	U
91-58-7	2-Chloronaphthalene	ND	0.500	0.090	U
88-74-4	2-Nitroaniline	ND	0.500	0.138	U
131-11-3	Dimethylphthalate	ND	0.500	0.117	U
606-20-2	2,6-Dinitrotoluene	ND	0.500	0.168	U
99-09-2	3-Nitroaniline	ND	0.500	0.111	U
51-28-5	2,4-Dinitrophenol	ND	5.00	0.728	U
132-64-9	Dibenzofuran	ND	0.500	0.091	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.500	0.143	U
121-14-2	2,4-Dinitrotoluene	ND	0.500	0.163	U
100-02-7	4-Nitrophenol	ND	2.50	0.590	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.500	0.079	U
84-66-2	Diethylphthalate	ND	0.500	0.180	U
100-01-6	4-Nitroaniline	ND	0.500	0.112	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.00	0.510	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-05	Date Collected	: 08/10/16 10:00
Client ID	: SW2A-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 17:56
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171614	Analyst	: ML
Sample Amount	: 1000 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.500	0.128	U
86-30-6	n-Nitrosodiphenylamine	ND	0.500	0.072	U
101-55-3	4-Bromophenyl-phenylether	ND	0.500	0.100	U
118-74-1	Hexachlorobenzene	ND	0.500	0.122	U
1912-24-9	Atrazine	ND	0.500	0.160	U
87-86-5	Pentachlorophenol	ND	2.00	0.430	U
82-68-8	Pentachloronitrobenzene	ND	0.500	0.169	U
86-74-8	Carbazole	ND	0.500	0.143	U
84-74-2	Di-n-butylphthalate	ND	0.500	0.100	U
92-87-5	Benzidine	ND	100	0.464	U
85-68-7	Butylbenzylphthalate	0.401	0.500	0.085	J
91-94-1	3,3'-Dichlorobenzidine	ND	0.500	0.193	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.272	0.500	0.081	J
117-84-0	Di-n-octylphthalate	ND	1.00	0.079	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-06	Date Collected	: 08/10/16 09:50
Client ID	: SW2B-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 18:28
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171615	Analyst	: ML
Sample Amount	: 970 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.515	0.074	U
110-86-1	Pyridine	ND	0.515	0.168	U
100-52-7	Benzaldehyde	ND	2.06	0.123	U
62-53-3	Aniline	ND	1.03	0.131	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.515	0.096	U
108-95-2	Phenol	ND	0.515	0.053	U
95-57-8	2-Chlorophenol	ND	0.515	0.094	U
541-73-1	1,3-Dichlorobenzene	ND	0.515	0.081	U
106-46-7	1,4-Dichlorobenzene	ND	0.515	0.085	U
95-50-1	1,2-Dichlorobenzene	ND	0.515	0.070	U
100-51-6	Benzyl alcohol	ND	0.515	0.127	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.515	0.111	U
95-48-7	2-Methylphenol	ND	0.515	0.107	U
98-86-2	Acetophenone	ND	1.03	0.213	U
67-72-1	Hexachloroethane	ND	0.515	0.105	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.515	0.127	U
106-44-5	4-Methylphenol	ND	0.515	0.116	U
98-95-3	Nitrobenzene	ND	0.515	0.105	U
78-59-1	Isophorone	ND	0.515	0.130	U
88-75-5	2-Nitrophenol	ND	0.515	0.118	U
105-67-9	2,4-Dimethylphenol	ND	2.06	0.248	U
65-85-0	Benzoic acid	ND	41.2	3.10	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.515	0.088	U
120-83-2	2,4-Dichlorophenol	ND	0.515	0.103	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-06	Date Collected	: 08/10/16 09:50
Client ID	: SW2B-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 18:28
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171615	Analyst	: ML
Sample Amount	: 970 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.515	0.099	U
106-47-8	4-Chloroaniline	ND	0.515	0.132	U
87-68-3	Hexachlorobutadiene	ND	0.515	0.088	U
105-60-2	Caprolactam	0.232	2.06	0.127	J
59-50-7	4-Chloro-3-methylphenol	ND	0.515	0.106	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.515	0.082	U
77-47-4	Hexachlorocyclopentadiene	ND	0.515	0.158	U
88-06-2	2,4,6-Trichlorophenol	ND	0.515	0.157	U
95-95-4	2,4,5-Trichlorophenol	ND	0.515	0.094	U
92-52-4	Biphenyl	ND	0.515	0.114	U
91-58-7	2-Chloronaphthalene	ND	0.515	0.093	U
88-74-4	2-Nitroaniline	ND	0.515	0.142	U
131-11-3	Dimethylphthalate	ND	0.515	0.121	U
606-20-2	2,6-Dinitrotoluene	ND	0.515	0.173	U
99-09-2	3-Nitroaniline	ND	0.515	0.114	U
51-28-5	2,4-Dinitrophenol	ND	5.15	0.750	U
132-64-9	Dibenzofuran	ND	0.515	0.094	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.515	0.147	U
121-14-2	2,4-Dinitrotoluene	ND	0.515	0.168	U
100-02-7	4-Nitrophenol	ND	2.58	0.608	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.515	0.082	U
84-66-2	Diethylphthalate	ND	0.515	0.186	U
100-01-6	4-Nitroaniline	ND	0.515	0.115	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.06	0.526	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-06	Date Collected	: 08/10/16 09:50
Client ID	: SW2B-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 18:28
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171615	Analyst	: ML
Sample Amount	: 970 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.515	0.132	U
86-30-6	n-Nitrosodiphenylamine	ND	0.515	0.074	U
101-55-3	4-Bromophenyl-phenylether	ND	0.515	0.103	U
118-74-1	Hexachlorobenzene	ND	0.515	0.126	U
1912-24-9	Atrazine	ND	0.515	0.165	U
87-86-5	Pentachlorophenol	ND	2.06	0.443	U
82-68-8	Pentachloronitrobenzene	ND	0.515	0.174	U
86-74-8	Carbazole	ND	0.515	0.147	U
84-74-2	Di-n-butylphthalate	ND	0.515	0.103	U
92-87-5	Benzidine	ND	103	0.478	U
85-68-7	Butylbenzylphthalate	0.259	0.515	0.087	J
91-94-1	3,3'-Dichlorobenzidine	ND	0.515	0.199	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.237	0.515	0.083	J
117-84-0	Di-n-octylphthalate	ND	1.03	0.081	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-07	Date Collected	: 08/10/16 09:45
Client ID	: SW2C-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 19:00
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171616	Analyst	: ML
Sample Amount	: 980 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.510	0.074	U
110-86-1	Pyridine	ND	0.510	0.166	U
100-52-7	Benzaldehyde	ND	2.04	0.121	U
62-53-3	Aniline	ND	1.02	0.130	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.510	0.095	U
108-95-2	Phenol	ND	0.510	0.052	U
95-57-8	2-Chlorophenol	ND	0.510	0.093	U
541-73-1	1,3-Dichlorobenzene	ND	0.510	0.080	U
106-46-7	1,4-Dichlorobenzene	ND	0.510	0.085	U
95-50-1	1,2-Dichlorobenzene	ND	0.510	0.069	U
100-51-6	Benzyl alcohol	ND	0.510	0.126	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.510	0.110	U
95-48-7	2-Methylphenol	ND	0.510	0.106	U
98-86-2	Acetophenone	ND	1.02	0.211	U
67-72-1	Hexachloroethane	ND	0.510	0.104	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.510	0.126	U
106-44-5	4-Methylphenol	ND	0.510	0.115	U
98-95-3	Nitrobenzene	ND	0.510	0.104	U
78-59-1	Isophorone	ND	0.510	0.128	U
88-75-5	2-Nitrophenol	ND	0.510	0.117	U
105-67-9	2,4-Dimethylphenol	ND	2.04	0.246	U
65-85-0	Benzoic acid	ND	40.8	3.07	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.510	0.087	U
120-83-2	2,4-Dichlorophenol	ND	0.510	0.102	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-07	Date Collected	: 08/10/16 09:45
Client ID	: SW2C-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 19:00
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171616	Analyst	: ML
Sample Amount	: 980 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.510	0.098	U
106-47-8	4-Chloroaniline	ND	0.510	0.131	U
87-68-3	Hexachlorobutadiene	ND	0.510	0.087	U
105-60-2	Caprolactam	0.215	2.04	0.126	J
59-50-7	4-Chloro-3-methylphenol	ND	0.510	0.105	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.510	0.081	U
77-47-4	Hexachlorocyclopentadiene	ND	0.510	0.156	U
88-06-2	2,4,6-Trichlorophenol	ND	0.510	0.155	U
95-95-4	2,4,5-Trichlorophenol	ND	0.510	0.093	U
92-52-4	Biphenyl	ND	0.510	0.113	U
91-58-7	2-Chloronaphthalene	ND	0.510	0.092	U
88-74-4	2-Nitroaniline	ND	0.510	0.141	U
131-11-3	Dimethylphthalate	ND	0.510	0.119	U
606-20-2	2,6-Dinitrotoluene	ND	0.510	0.171	U
99-09-2	3-Nitroaniline	ND	0.510	0.113	U
51-28-5	2,4-Dinitrophenol	ND	5.10	0.743	U
132-64-9	Dibenzofuran	ND	0.510	0.093	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.510	0.146	U
121-14-2	2,4-Dinitrotoluene	ND	0.510	0.166	U
100-02-7	4-Nitrophenol	ND	2.55	0.602	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.510	0.081	U
84-66-2	Diethylphthalate	ND	0.510	0.184	U
100-01-6	4-Nitroaniline	ND	0.510	0.114	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.04	0.520	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-07	Date Collected	: 08/10/16 09:45
Client ID	: SW2C-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 19:00
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171616	Analyst	: ML
Sample Amount	: 980 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.510	0.131	U
86-30-6	n-Nitrosodiphenylamine	ND	0.510	0.074	U
101-55-3	4-Bromophenyl-phenylether	ND	0.510	0.102	U
118-74-1	Hexachlorobenzene	ND	0.510	0.124	U
1912-24-9	Atrazine	ND	0.510	0.163	U
87-86-5	Pentachlorophenol	ND	2.04	0.439	U
82-68-8	Pentachloronitrobenzene	ND	0.510	0.172	U
86-74-8	Carbazole	ND	0.510	0.146	U
84-74-2	Di-n-butylphthalate	ND	0.510	0.102	U
92-87-5	Benzidine	ND	102	0.473	U
85-68-7	Butylbenzylphthalate	0.278	0.510	0.087	J
91-94-1	3,3'-Dichlorobenzidine	ND	0.510	0.197	U
117-81-7	bis(2-Ethylhexyl)phthalate	4.37	0.510	0.083	
117-84-0	Di-n-octylphthalate	ND	1.02	0.080	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	**Lab Number**	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	**Project Number**	: E50593-01.01
Lab ID	: L1625236-08	**Date Collected**	: 08/10/16 12:35
Client ID	: SW3A-20160810	**Date Received**	: 08/11/16
Sample Location	: GLENS FALLS, NY	**Date Analyzed**	: 08/17/16 19:32
Sample Matrix	: WATER	**Date Extracted**	: 08/16/16
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: F808171617	**Analyst**	: ML
Sample Amount	: 1000 ml	**Instrument ID**	: BNA8
Extraction Method	: EPA 3510C	**GC Column**	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
62-75-9	N-Nitrosodimethylamine	ND	0.500	0.072	U
110-86-1	Pyridine	ND	0.500	0.163	U
100-52-7	Benzaldehyde	ND	2.00	0.119	U
62-53-3	Aniline	ND	1.00	0.127	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.500	0.093	U
108-95-2	Phenol	ND	0.500	0.051	U
95-57-8	2-Chlorophenol	ND	0.500	0.091	U
541-73-1	1,3-Dichlorobenzene	ND	0.500	0.078	U
106-46-7	1,4-Dichlorobenzene	ND	0.500	0.083	U
95-50-1	1,2-Dichlorobenzene	ND	0.500	0.068	U
100-51-6	Benzyl alcohol	ND	0.500	0.123	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.500	0.108	U
95-48-7	2-Methylphenol	ND	0.500	0.104	U
98-86-2	Acetophenone	ND	1.00	0.207	U
67-72-1	Hexachloroethane	ND	0.500	0.102	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.500	0.123	U
106-44-5	4-Methylphenol	ND	0.500	0.113	U
98-95-3	Nitrobenzene	ND	0.500	0.102	U
78-59-1	Isophorone	ND	0.500	0.126	U
88-75-5	2-Nitrophenol	ND	0.500	0.115	U
105-67-9	2,4-Dimethylphenol	ND	2.00	0.241	U
65-85-0	Benzoic acid	ND	40.0	3.01	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.500	0.085	U
120-83-2	2,4-Dichlorophenol	ND	0.500	0.100	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-08	Date Collected	: 08/10/16 12:35
Client ID	: SW3A-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 19:32
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171617	Analyst	: ML
Sample Amount	: 1000 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.500	0.096	U
106-47-8	4-Chloroaniline	ND	0.500	0.128	U
87-68-3	Hexachlorobutadiene	ND	0.500	0.086	U
105-60-2	Caprolactam	0.236	2.00	0.123	J
59-50-7	4-Chloro-3-methylphenol	ND	0.500	0.103	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.500	0.080	U
77-47-4	Hexachlorocyclopentadiene	ND	0.500	0.153	U
88-06-2	2,4,6-Trichlorophenol	ND	0.500	0.152	U
95-95-4	2,4,5-Trichlorophenol	ND	0.500	0.091	U
92-52-4	Biphenyl	ND	0.500	0.111	U
91-58-7	2-Chloronaphthalene	ND	0.500	0.090	U
88-74-4	2-Nitroaniline	ND	0.500	0.138	U
131-11-3	Dimethylphthalate	ND	0.500	0.117	U
606-20-2	2,6-Dinitrotoluene	ND	0.500	0.168	U
99-09-2	3-Nitroaniline	ND	0.500	0.111	U
51-28-5	2,4-Dinitrophenol	ND	5.00	0.728	U
132-64-9	Dibenzofuran	ND	0.500	0.091	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.500	0.143	U
121-14-2	2,4-Dinitrotoluene	ND	0.500	0.163	U
100-02-7	4-Nitrophenol	ND	2.50	0.590	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.500	0.079	U
84-66-2	Diethylphthalate	ND	0.500	0.180	U
100-01-6	4-Nitroaniline	ND	0.500	0.112	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.00	0.510	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-08	Date Collected	: 08/10/16 12:35
Client ID	: SW3A-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 19:32
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171617	Analyst	: ML
Sample Amount	: 1000 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.500	0.128	U
86-30-6	n-Nitrosodiphenylamine	ND	0.500	0.072	U
101-55-3	4-Bromophenyl-phenylether	ND	0.500	0.100	U
118-74-1	Hexachlorobenzene	ND	0.500	0.122	U
1912-24-9	Atrazine	ND	0.500	0.160	U
87-86-5	Pentachlorophenol	ND	2.00	0.430	U
82-68-8	Pentachloronitrobenzene	ND	0.500	0.169	U
86-74-8	Carbazole	ND	0.500	0.143	U
84-74-2	Di-n-butylphthalate	ND	0.500	0.100	U
92-87-5	Benzidine	ND	100	0.464	U
85-68-7	Butylbenzylphthalate	0.269	0.500	0.085	J
91-94-1	3,3'-Dichlorobenzidine	ND	0.500	0.193	U
117-81-7	bis(2-Ethylhexyl)phthalate	2.05	0.500	0.081	
117-84-0	Di-n-octylphthalate	ND	1.00	0.079	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-09	Date Collected	: 08/10/16 12:28
Client ID	: SW3B-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 20:04
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171618	Analyst	: ML
Sample Amount	: 970 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.515	0.074	U
110-86-1	Pyridine	ND	0.515	0.168	U
100-52-7	Benzaldehyde	ND	2.06	0.123	U
62-53-3	Aniline	ND	1.03	0.131	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.515	0.096	U
108-95-2	Phenol	ND	0.515	0.053	U
95-57-8	2-Chlorophenol	ND	0.515	0.094	U
541-73-1	1,3-Dichlorobenzene	ND	0.515	0.081	U
106-46-7	1,4-Dichlorobenzene	ND	0.515	0.085	U
95-50-1	1,2-Dichlorobenzene	ND	0.515	0.070	U
100-51-6	Benzyl alcohol	ND	0.515	0.127	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.515	0.111	U
95-48-7	2-Methylphenol	ND	0.515	0.107	U
98-86-2	Acetophenone	ND	1.03	0.213	U
67-72-1	Hexachloroethane	ND	0.515	0.105	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.515	0.127	U
106-44-5	4-Methylphenol	ND	0.515	0.116	U
98-95-3	Nitrobenzene	ND	0.515	0.105	U
78-59-1	Isophorone	ND	0.515	0.130	U
88-75-5	2-Nitrophenol	ND	0.515	0.118	U
105-67-9	2,4-Dimethylphenol	ND	2.06	0.248	U
65-85-0	Benzoic acid	ND	41.2	3.10	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.515	0.088	U
120-83-2	2,4-Dichlorophenol	ND	0.515	0.103	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-09	Date Collected	: 08/10/16 12:28
Client ID	: SW3B-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 20:04
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171618	Analyst	: ML
Sample Amount	: 970 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.515	0.099	U
106-47-8	4-Chloroaniline	ND	0.515	0.132	U
87-68-3	Hexachlorobutadiene	ND	0.515	0.088	U
105-60-2	Caprolactam	0.226	2.06	0.127	J
59-50-7	4-Chloro-3-methylphenol	ND	0.515	0.106	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.515	0.082	U
77-47-4	Hexachlorocyclopentadiene	ND	0.515	0.158	U
88-06-2	2,4,6-Trichlorophenol	ND	0.515	0.157	U
95-95-4	2,4,5-Trichlorophenol	ND	0.515	0.094	U
92-52-4	Biphenyl	ND	0.515	0.114	U
91-58-7	2-Chloronaphthalene	ND	0.515	0.093	U
88-74-4	2-Nitroaniline	ND	0.515	0.142	U
131-11-3	Dimethylphthalate	ND	0.515	0.121	U
606-20-2	2,6-Dinitrotoluene	ND	0.515	0.173	U
99-09-2	3-Nitroaniline	ND	0.515	0.114	U
51-28-5	2,4-Dinitrophenol	ND	5.15	0.750	U
132-64-9	Dibenzofuran	ND	0.515	0.094	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.515	0.147	U
121-14-2	2,4-Dinitrotoluene	ND	0.515	0.168	U
100-02-7	4-Nitrophenol	ND	2.58	0.608	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.515	0.082	U
84-66-2	Diethylphthalate	ND	0.515	0.186	U
100-01-6	4-Nitroaniline	ND	0.515	0.115	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.06	0.526	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-09	Date Collected	: 08/10/16 12:28
Client ID	: SW3B-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 20:04
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171618	Analyst	: ML
Sample Amount	: 970 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.515	0.132	U
86-30-6	n-Nitrosodiphenylamine	ND	0.515	0.074	U
101-55-3	4-Bromophenyl-phenylether	ND	0.515	0.103	U
118-74-1	Hexachlorobenzene	ND	0.515	0.126	U
1912-24-9	Atrazine	ND	0.515	0.165	U
87-86-5	Pentachlorophenol	ND	2.06	0.443	U
82-68-8	Pentachloronitrobenzene	ND	0.515	0.174	U
86-74-8	Carbazole	ND	0.515	0.147	U
84-74-2	Di-n-butylphthalate	ND	0.515	0.103	U
92-87-5	Benzidine	ND	103	0.478	U
85-68-7	Butylbenzylphthalate	0.259	0.515	0.087	J
91-94-1	3,3'-Dichlorobenzidine	ND	0.515	0.199	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.241	0.515	0.083	J
117-84-0	Di-n-octylphthalate	ND	1.03	0.081	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-10	Date Collected	: 08/10/16 12:23
Client ID	: SW3C-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 20:36
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171619	Analyst	: ML
Sample Amount	: 1000 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.500	0.072	U
110-86-1	Pyridine	ND	0.500	0.163	U
100-52-7	Benzaldehyde	ND	2.00	0.119	U
62-53-3	Aniline	ND	1.00	0.127	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.500	0.093	U
108-95-2	Phenol	ND	0.500	0.051	U
95-57-8	2-Chlorophenol	ND	0.500	0.091	U
541-73-1	1,3-Dichlorobenzene	ND	0.500	0.078	U
106-46-7	1,4-Dichlorobenzene	ND	0.500	0.083	U
95-50-1	1,2-Dichlorobenzene	ND	0.500	0.068	U
100-51-6	Benzyl alcohol	ND	0.500	0.123	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.500	0.108	U
95-48-7	2-Methylphenol	ND	0.500	0.104	U
98-86-2	Acetophenone	ND	1.00	0.207	U
67-72-1	Hexachloroethane	ND	0.500	0.102	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.500	0.123	U
106-44-5	4-Methylphenol	ND	0.500	0.113	U
98-95-3	Nitrobenzene	ND	0.500	0.102	U
78-59-1	Isophorone	ND	0.500	0.126	U
88-75-5	2-Nitrophenol	ND	0.500	0.115	U
105-67-9	2,4-Dimethylphenol	ND	2.00	0.241	U
65-85-0	Benzoic acid	ND	40.0	3.01	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.500	0.085	U
120-83-2	2,4-Dichlorophenol	ND	0.500	0.100	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-10	Date Collected	: 08/10/16 12:23
Client ID	: SW3C-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 20:36
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171619	Analyst	: ML
Sample Amount	: 1000 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.500	0.096	U
106-47-8	4-Chloroaniline	ND	0.500	0.128	U
87-68-3	Hexachlorobutadiene	ND	0.500	0.086	U
105-60-2	Caprolactam	0.173	2.00	0.123	J
59-50-7	4-Chloro-3-methylphenol	ND	0.500	0.103	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.500	0.080	U
77-47-4	Hexachlorocyclopentadiene	ND	0.500	0.153	U
88-06-2	2,4,6-Trichlorophenol	ND	0.500	0.152	U
95-95-4	2,4,5-Trichlorophenol	ND	0.500	0.091	U
92-52-4	Biphenyl	ND	0.500	0.111	U
91-58-7	2-Chloronaphthalene	ND	0.500	0.090	U
88-74-4	2-Nitroaniline	ND	0.500	0.138	U
131-11-3	Dimethylphthalate	ND	0.500	0.117	U
606-20-2	2,6-Dinitrotoluene	ND	0.500	0.168	U
99-09-2	3-Nitroaniline	ND	0.500	0.111	U
51-28-5	2,4-Dinitrophenol	ND	5.00	0.728	U
132-64-9	Dibenzofuran	ND	0.500	0.091	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.500	0.143	U
121-14-2	2,4-Dinitrotoluene	ND	0.500	0.163	U
100-02-7	4-Nitrophenol	ND	2.50	0.590	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.500	0.079	U
84-66-2	Diethylphthalate	ND	0.500	0.180	U
100-01-6	4-Nitroaniline	ND	0.500	0.112	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.00	0.510	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-10	Date Collected	: 08/10/16 12:23
Client ID	: SW3C-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 20:36
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171619	Analyst	: ML
Sample Amount	: 1000 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.500	0.128	U
86-30-6	n-Nitrosodiphenylamine	ND	0.500	0.072	U
101-55-3	4-Bromophenyl-phenylether	ND	0.500	0.100	U
118-74-1	Hexachlorobenzene	ND	0.500	0.122	U
1912-24-9	Atrazine	ND	0.500	0.160	U
87-86-5	Pentachlorophenol	ND	2.00	0.430	U
82-68-8	Pentachloronitrobenzene	ND	0.500	0.169	U
86-74-8	Carbazole	ND	0.500	0.143	U
84-74-2	Di-n-butylphthalate	ND	0.500	0.100	U
92-87-5	Benzidine	ND	100	0.464	U
85-68-7	Butylbenzylphthalate	0.247	0.500	0.085	J
91-94-1	3,3'-Dichlorobenzidine	ND	0.500	0.193	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.234	0.500	0.081	J
117-84-0	Di-n-octylphthalate	ND	1.00	0.079	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-11	Date Collected	: 08/10/16 00:00
Client ID	: DUP-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 21:08
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171620	Analyst	: ML
Sample Amount	: 950 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.526	0.076	U
110-86-1	Pyridine	ND	0.526	0.172	U
100-52-7	Benzaldehyde	ND	2.10	0.125	U
62-53-3	Aniline	ND	1.05	0.134	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.526	0.098	U
108-95-2	Phenol	ND	0.526	0.054	U
95-57-8	2-Chlorophenol	ND	0.526	0.096	U
541-73-1	1,3-Dichlorobenzene	ND	0.526	0.082	U
106-46-7	1,4-Dichlorobenzene	ND	0.526	0.087	U
95-50-1	1,2-Dichlorobenzene	ND	0.526	0.072	U
100-51-6	Benzyl alcohol	ND	0.526	0.129	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.526	0.114	U
95-48-7	2-Methylphenol	ND	0.526	0.109	U
98-86-2	Acetophenone	ND	1.05	0.218	U
67-72-1	Hexachloroethane	ND	0.526	0.107	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.526	0.129	U
106-44-5	4-Methylphenol	ND	0.526	0.119	U
98-95-3	Nitrobenzene	ND	0.526	0.107	U
78-59-1	Isophorone	ND	0.526	0.133	U
88-75-5	2-Nitrophenol	ND	0.526	0.121	U
105-67-9	2,4-Dimethylphenol	ND	2.10	0.254	U
65-85-0	Benzoic acid	ND	42.1	3.17	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.526	0.090	U
120-83-2	2,4-Dichlorophenol	ND	0.526	0.105	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-11	Date Collected	: 08/10/16 00:00
Client ID	: DUP-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 21:08
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171620	Analyst	: ML
Sample Amount	: 950 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.526	0.101	U
106-47-8	4-Chloroaniline	ND	0.526	0.135	U
87-68-3	Hexachlorobutadiene	ND	0.526	0.090	U
105-60-2	Caprolactam	0.245	2.10	0.129	J
59-50-7	4-Chloro-3-methylphenol	ND	0.526	0.108	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.526	0.084	U
77-47-4	Hexachlorocyclopentadiene	ND	0.526	0.161	U
88-06-2	2,4,6-Trichlorophenol	ND	0.526	0.160	U
95-95-4	2,4,5-Trichlorophenol	ND	0.526	0.096	U
92-52-4	Biphenyl	ND	0.526	0.117	U
91-58-7	2-Chloronaphthalene	ND	0.526	0.095	U
88-74-4	2-Nitroaniline	ND	0.526	0.145	U
131-11-3	Dimethylphthalate	ND	0.526	0.123	U
606-20-2	2,6-Dinitrotoluene	ND	0.526	0.177	U
99-09-2	3-Nitroaniline	ND	0.526	0.117	U
51-28-5	2,4-Dinitrophenol	ND	5.26	0.766	U
132-64-9	Dibenzofuran	ND	0.526	0.096	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.526	0.150	U
121-14-2	2,4-Dinitrotoluene	ND	0.526	0.172	U
100-02-7	4-Nitrophenol	ND	2.63	0.621	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.526	0.083	U
84-66-2	Diethylphthalate	ND	0.526	0.189	U
100-01-6	4-Nitroaniline	ND	0.526	0.118	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.10	0.537	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-11	Date Collected	: 08/10/16 00:00
Client ID	: DUP-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 21:08
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171620	Analyst	: ML
Sample Amount	: 950 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.526	0.135	U
86-30-6	n-Nitrosodiphenylamine	ND	0.526	0.076	U
101-55-3	4-Bromophenyl-phenylether	ND	0.526	0.105	U
118-74-1	Hexachlorobenzene	ND	0.526	0.128	U
1912-24-9	Atrazine	ND	0.526	0.168	U
87-86-5	Pentachlorophenol	ND	2.10	0.453	U
82-68-8	Pentachloronitrobenzene	ND	0.526	0.178	U
86-74-8	Carbazole	ND	0.526	0.150	U
84-74-2	Di-n-butylphthalate	ND	0.526	0.105	U
92-87-5	Benzidine	ND	105	0.488	U
85-68-7	Butylbenzylphthalate	0.294	0.526	0.089	J
91-94-1	3,3'-Dichlorobenzidine	ND	0.526	0.203	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.845	0.526	0.085	
117-84-0	Di-n-octylphthalate	ND	1.05	0.083	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: WG923180-1	Date Collected	: NA
Client ID	: WG923180-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 08/17/16 12:28
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171604	Analyst	: ML
Sample Amount	: 1000 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
62-75-9	N-Nitrosodimethylamine	ND	0.500	0.072	U
110-86-1	Pyridine	ND	0.500	0.163	U
100-52-7	Benzaldehyde	ND	2.00	0.119	U
62-53-3	Aniline	ND	1.00	0.127	U
111-44-4	bis(2-Chloroethyl)ether	ND	0.500	0.093	U
108-95-2	Phenol	ND	0.500	0.051	U
95-57-8	2-Chlorophenol	ND	0.500	0.091	U
541-73-1	1,3-Dichlorobenzene	ND	0.500	0.078	U
106-46-7	1,4-Dichlorobenzene	ND	0.500	0.083	U
95-50-1	1,2-Dichlorobenzene	ND	0.500	0.068	U
100-51-6	Benzyl alcohol	ND	0.500	0.123	U
108-60-1	bis(2-chloroisopropyl)ether	ND	0.500	0.108	U
95-48-7	2-Methylphenol	ND	0.500	0.104	U
98-86-2	Acetophenone	ND	1.00	0.207	U
67-72-1	Hexachloroethane	ND	0.500	0.102	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.500	0.123	U
106-44-5	4-Methylphenol	ND	0.500	0.113	U
98-95-3	Nitrobenzene	ND	0.500	0.102	U
78-59-1	Isophorone	ND	0.500	0.126	U
88-75-5	2-Nitrophenol	ND	0.500	0.115	U
105-67-9	2,4-Dimethylphenol	ND	2.00	0.241	U
65-85-0	Benzoic acid	ND	40.0	3.01	U
111-91-1	bis(2-Chloroethoxy)methane	ND	0.500	0.085	U
120-83-2	2,4-Dichlorophenol	ND	0.500	0.100	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: WG923180-1	Date Collected	: NA
Client ID	: WG923180-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 08/17/16 12:28
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171604	Analyst	: ML
Sample Amount	: 1000 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	0.500	0.096	U
106-47-8	4-Chloroaniline	ND	0.500	0.128	U
87-68-3	Hexachlorobutadiene	ND	0.500	0.086	U
105-60-2	Caprolactam	0.131	2.00	0.123	J
59-50-7	4-Chloro-3-methylphenol	ND	0.500	0.103	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.500	0.080	U
77-47-4	Hexachlorocyclopentadiene	ND	0.500	0.153	U
88-06-2	2,4,6-Trichlorophenol	ND	0.500	0.152	U
95-95-4	2,4,5-Trichlorophenol	ND	0.500	0.091	U
92-52-4	Biphenyl	ND	0.500	0.111	U
91-58-7	2-Chloronaphthalene	ND	0.500	0.090	U
88-74-4	2-Nitroaniline	ND	0.500	0.138	U
131-11-3	Dimethylphthalate	ND	0.500	0.117	U
606-20-2	2,6-Dinitrotoluene	ND	0.500	0.168	U
99-09-2	3-Nitroaniline	ND	0.500	0.111	U
51-28-5	2,4-Dinitrophenol	ND	5.00	0.728	U
132-64-9	Dibenzofuran	ND	0.500	0.091	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.500	0.143	U
121-14-2	2,4-Dinitrotoluene	ND	0.500	0.163	U
100-02-7	4-Nitrophenol	ND	2.50	0.590	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.500	0.079	U
84-66-2	Diethylphthalate	ND	0.500	0.180	U
100-01-6	4-Nitroaniline	ND	0.500	0.112	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.00	0.510	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: WG923180-1	Date Collected	: NA
Client ID	: WG923180-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 08/17/16 12:28
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: F808171604	Analyst	: ML
Sample Amount	: 1000 ml	Instrument ID	: BNA8
Extraction Method	: EPA 3510C	GC Column	: ZB-SemiVolatiles
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
103-33-3	Azobenzene	ND	0.500	0.128	U
86-30-6	n-Nitrosodiphenylamine	ND	0.500	0.072	U
101-55-3	4-Bromophenyl-phenylether	ND	0.500	0.100	U
118-74-1	Hexachlorobenzene	ND	0.500	0.122	U
1912-24-9	Atrazine	ND	0.500	0.160	U
87-86-5	Pentachlorophenol	ND	2.00	0.430	U
82-68-8	Pentachloronitrobenzene	ND	0.500	0.169	U
86-74-8	Carbazole	ND	0.500	0.143	U
84-74-2	Di-n-butylphthalate	ND	0.500	0.100	U
92-87-5	Benzidine	ND	100	0.464	U
85-68-7	Butylbenzylphthalate	0.205	0.500	0.085	J
91-94-1	3,3'-Dichlorobenzidine	ND	0.500	0.193	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.500	0.081	U
117-84-0	Di-n-octylphthalate	ND	1.00	0.079	U

Form 2
Surrogate Recovery
SEMIVOLATILES

Client: Anchor QEA, LLC
Project Name: FORMER GLENS FALLS OU-2

Lab Number: L1625236
Project Number: E50593-01.01
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (NBZ)	S2 (FBP)	S3 (2FP)	S4 (TBP)	S5 (TPH)	S6 (PHL)	TOT OUT
DUP-20160810 (L1625236-11)	91	82	38	85	98	26	0
EB 20160811 (L1625236-01)	88	78	51	90	93	35	0
WG923180-3LCSD	83	73	47	96	94	32	0
WG923180-2LCS	89	78	48	100	94	34	0
WG923180-1BLANK	91	78	51	100	96	35	0
SW1B-20160810MS	83	77	44	100	93	31	0
SW1B-20160810MSD	86	76	45	101	96	30	0
SW1A-20160810 (L1625236-02)	81	68	43	100	88	29	0
SW1B-20160810 (L1625236-03)	82	68	39	93	91	28	0
SW1C-20160810 (L1625236-04)	82	75	40	83	95	28	0
SW2A-20160810 (L1625236-05)	83	75	41	83	95	29	0
SW2B-20160810 (L1625236-06)	81	71	39	77	92	29	0
SW2C-20160810 (L1625236-07)	89	81	41	85	95	29	0
SW3A-20160810 (L1625236-08)	84	77	41	89	93	30	0
SW3B-20160810 (L1625236-09)	88	76	43	81	95	32	0
SW3C-20160810 (L1625236-10)	89	77	41	80	97	30	0

	QC LIMITS
NBZ = NITROBENZENE-D5	(30-130)
FBP = 2-FLUOROBIPHENYL	(30-130)
2FP = 2-FLUOROPHENOL	(15-115)
TBP = 2,4,6-TRIBROMOPHENOL)	(15-115)
TPH = TERPHENYL-D14)	(30-130)
PHL = PHENOL-D5)	(15-115)

*** Values outside of QC limits**

Laboratory Control Sample
Form 3

Client	: Anchor QEA, LLC	**Lab Number**	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	**Project Number**	: E50593-01.01
Matrix	: WATER		
LCS Sample ID	: WG923180-2 **Analysis Date :** 08/17/16 13:00	**File ID**	: F808171605
LCSD Sample ID	: WG923180-3 **Analysis Date :** 08/17/16 13:33	**File ID**	: F808171606

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
n-Nitrosodimethylamine	10	5.32	53	10	5.29	53	0	40-140	20
Pyridine	10	4.52	45	10	4.37	44	2	40-140	20
Benzaldehyde	10	7.56	76	10	7.63	76	0	40-140	20
Aniline	10	6.13	61	10	6.06	61	0	40-140	20
Bis(2-chloroethyl)ether	10	8.23	82	10	8.00	80	2	40-140	20
Phenol	10	3.48	35	10	3.23	32	9	30-130	20
2-Chlorophenol	10	7.61	76	10	7.32	73	4	30-130	20
1,3-Dichlorobenzene	10	4.67	47	10	3.81	38 Q	21 Q	40-140	20
1,4-Dichlorobenzene	10	4.88	49	10	4.01	40	20	40-140	20
1,2-Dichlorobenzene	10	5.19	52	10	4.37	44	17	40-140	20
Bis(2-chloroisopropyl)ether	10	8.18	82	10	7.84	78	5	40-140	20
2-Methylphenol	10	7.05	70	10	6.70	67	4	30-130	20
Acetophenone	10	7.81	78	10	7.65	76	3	40-140	20
Hexachloroethane	10	3.61	36 Q	10	2.69	27 Q	29 Q	40-140	20
N-Nitroso-di-n-propylamine	10	8.91	89	10	8.50	85	5	40-140	20
4-Methylphenol	10	6.44	64	10	6.08	61	5	30-130	20
Nitrobenzene	10	8.86	89	10	8.24	82	8	40-140	20
Isophorone	10	9.42	94	10	8.78	88	7	40-140	20
2-Nitrophenol	10	8.79	88	10	8.34	83	6	40-140	20
2,4-Dimethylphenol	10	8.44	84	10	7.87	79	6	40-140	20
Benzoic Acid	50	15.3	31 Q	50	13.4	27 Q	14	40-140	20
Bis(2-chloroethoxy)methane	10	8.81	88	10	8.43	84	5	40-140	20
2,4-Dichlorophenol	10	8.85	88	10	8.28	83	6	30-130	20
1,2,4-Trichlorobenzene	10	5.74	57	10	4.89	49	15	40-140	20
Naphthalene	10	7.14	71	10	6.53	65	9	40-140	20
4-Chloroaniline	10	8.18	82	10	8.06	81	1	40-140	20
Hexachlorobutadiene	10	3.65	36 Q	10	2.77	28 Q	25 Q	40-140	20
Caprolactam	10	2.90	29 Q	10	2.70	27 Q	7	40-140	20

Laboratory Control Sample
Form 3

Client	: Anchor QEA, LLC	**Lab Number**	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	**Project Number**	: E50593-01.01
Matrix	: WATER		
LCS Sample ID	: WG923180-2 **Analysis Date :** 08/17/16 13:00	**File ID**	: F808171605
LCSD Sample ID	: WG923180-3 **Analysis Date :** 08/17/16 13:33	**File ID**	: F808171606

	Laboratory Control Sample			Laboratory Control Duplicate							
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R		RPD		Recovery Limits	RPD Limit
P-Chloro-M-Cresol	10	8.95	89	10	9.04	90		1		30-130	20
2-Methylnaphthalene	10	7.05	70	10	6.89	69		1		40-140	20
1,2,4,5-Tetrachlorobenzene	10	6.61	66	10	5.85	58		13		40-140	20
Hexachlorocyclopentadiene	10	4.44	44	10	3.53	35	Q	23	Q	40-140	20
2,4,6-Trichlorophenol	10	9.23	92	10	8.56	86		7		30-130	20
2,4,5-Trichlorophenol	10	9.77	98	10	9.24	92		6		30-130	20
Biphenyl	10	6.98	70	10	7.14	71		1		40-140	20
2-Chloronaphthalene	10	7.77	78	10	7.01	70		11		40-140	20
2-Nitroaniline	10	9.85	98	10	9.31	93		5		40-140	20
Acenaphthylene	10	8.65	86	10	7.92	79		8		40-140	20
Dimethylphthalate	10	9.70	97	10	8.94	89		9		40-140	20
2,6-Dinitrotoluene	10	9.92	99	10	9.24	92		7		40-140	20
Acenaphthene	10	8.62	86	10	7.93	79		8		40-140	20
3-Nitroaniline	10	8.93	89	10	9.04	90		1		40-140	20
2,4-Dinitrophenol	10	9.44	94	10	9.29	93		1		30-130	20
Dibenzofuran	10	8.78	88	10	8.26	83		6		40-140	20
2,3,4,6-Tetrachlorophenol	10	9.36	94	10	8.88	89		5		30-130	20
2,4-Dinitrotoluene	10	10.4	104	10	9.90	99		5		40-140	20
4-Nitrophenol	10	4.98	50	10	4.42	44		13		30-130	20
Fluorene	10	9.14	91	10	8.36	84		8		40-140	20
4-Chlorophenyl phenyl ether	10	9.10	91	10	8.22	82		10		40-140	20
Diethylphthalate	10	10.0	100	10	9.27	93		7		40-140	20
4-Nitroaniline	10	10.2	102	10	9.58	96		6		40-140	20
4,6-Dinitro-2-Methylphenol	10	9.84	98	10	9.60	96		2		30-130	20
Azobenzene	10	8.55	85	10	8.33	83		2		40-140	20
NitrosoDiPhenylAmine(NDPA)/DPA	10	9.08	91	10	8.87	89		2		40-140	20
4-Bromophenyl phenyl ether	10	8.75	87	10	8.62	86		1		40-140	20
Hexachlorobenzene	10	8.82	88	10	8.55	86		2		40-140	20

Laboratory Control Sample
Form 3

Client	: Anchor QEA, LLC			**Lab Number**	: L1625236
Project Name	: FORMER GLENS FALLS OU-2			**Project Number**	: E50593-01.01
Matrix	: WATER				
LCS Sample ID	: WG923180-2	**Analysis Date :**	08/17/16 13:00	**File ID**	: F808171605
LCSD Sample ID	: WG923180-3	**Analysis Date :**	08/17/16 13:33	**File ID**	: F808171606

	Laboratory Control Sample				Laboratory Control Duplicate						
Parameter	True (ug/l)	Found (ug/l)	%R		True (ug/l)	Found (ug/l)	%R		RPD		Recovery Limits	RPD Limit
Atrazine	10	9.51	95		10	9.42	94		1		40-140	20
Pentachlorophenol	10	8.99	90		10	8.99	90		0		30-130	20
Phenanthrene	10	8.88	89		10	8.59	86		3		40-140	20
Anthracene	10	9.04	90		10	8.70	87		3		40-140	20
Carbazole	10	9.74	97		10	9.37	94		3		40-140	20
Di-n-butylphthalate	10	10.1	101		10	9.79	98		3		40-140	20
Fluoranthene	10	9.01	90		10	8.99	90		0		40-140	20
Benzidine	25	3.40	14	Q	25	7.81	31	Q	76	Q	40-140	20
Pyrene	10	9.10	91		10	9.16	92		1		40-140	20
Butylbenzylphthalate	10	9.52	95		10	9.35	94		1		40-140	20
3,3'-Dichlorobenzidine	10	8.07	81		10	7.79	78		4		40-140	20
Benz(a)anthracene	10	9.53	95		10	9.33	93		2		40-140	20
Chrysene	10	9.07	91		10	8.84	88		3		40-140	20
Bis(2-Ethylhexyl)phthalate	10	9.51	95		10	9.26	92		3		40-140	20
Di-n-octylphthalate	10	9.31	93		10	9.03	90		3		40-140	20
Benzo(b)fluoranthene	10	9.86	99		10	9.64	96		3		40-140	20
Benzo(k)fluoranthene	10	9.77	98		10	9.43	94		4		40-140	20
Benzo(a)pyrene	10	9.59	96		10	9.16	92		4		40-140	20
Indeno(1,2,3-cd)Pyrene	10	10.1	101		10	9.96	100		1		40-140	20
Dibenz(a,h)anthracene	10	10.6	106		10	10.0	100		6		40-140	20
Benzo(ghi)perylene	10	9.87	99		10	9.48	95		4		40-140	20

Matrix Spike
Form 3

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Client Sample ID	: SW1B-20160810	Matrix	: WATER
Lab Sample ID	: L1625236-03	Analysis Date	: 08/17/16 15:45
Matrix Spike	: WG923180-4	MS Analysis Date	: 08/17/16 16:18
Matrix Spike Dup	: WG923180-5	MSD Analysis Date	: 08/17/16 16:50

		Matrix Spike Sample				Matrix Spike Duplicate						
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		Spike Added (ug/l)	Spike Conc. (ug/l)	%R		RPD	Recovery Limits	RPD Limit
n-Nitrosodimethylamine	ND	10.2	4.99	49		10.2	4.62	45		8	40-140	20
Pyridine	ND	10.2	3.74	37	Q	10.2	3.68	36	Q	2	40-140	20
Benzaldehyde	ND	10.2	7.38	72		10.2	7.46	73		1	40-140	20
Aniline	ND	10.2	5.72	56		10.2	5.76	56		1	40-140	20
Bis(2-chloroethyl)ether	ND	10.2	7.96	78		10.2	8.17	80		3	40-140	20
Phenol	ND	10.2	3.16	31		10.2	3.17	31		0	30-130	20
2-Chlorophenol	ND	10.2	7.26	71		10.2	7.47	73		3	30-130	20
1,3-Dichlorobenzene	ND	10.2	3.69	36	Q	10.2	2.90	28	Q	24 Q	40-140	20
1,4-Dichlorobenzene	ND	10.2	3.82	37	Q	10.2	3.02	30	Q	23 Q	40-140	20
1,2-Dichlorobenzene	ND	10.2	4.11	40		10.2	3.31	32	Q	22 Q	40-140	20
Bis(2-chloroisopropyl)ether	ND	10.2	7.98	78		10.2	7.92	78		1	40-140	20
2-Methylphenol	ND	10.2	6.32	62		10.2	6.68	66		6	30-130	20
Acetophenone	ND	10.2	7.67	75		10.2	7.85	77		2	40-140	20
Hexachloroethane	ND	10.2	3.12	31	Q	10.2	2.36	23	Q	28 Q	40-140	20
N-Nitroso-di-n-propylamine	ND	10.2	8.36	82		10.2	8.72	86		4	40-140	20
4-Methylphenol	ND	10.2	5.95	58		10.2	6.12	60		3	30-130	20
Nitrobenzene	ND	10.2	8.28	81		10.2	8.44	83		2	40-140	20
Isophorone	ND	10.2	9.02	88		10.2	9.24	91		2	40-140	20
2-Nitrophenol	ND	10.2	8.40	82		10.2	8.65	85		3	40-140	20
2,4-Dimethylphenol	ND	10.2	6.28	62		10.2	7.04	69		11	40-140	20
Benzoic Acid	ND	51	18.7J	37	Q	51	18.6J	36	Q	1	40-140	20
Bis(2-chloroethoxy)methane	ND	10.2	8.48	83		10.2	8.69	85		2	40-140	20
2,4-Dichlorophenol	ND	10.2	8.28	81		10.2	8.61	84		4	30-130	20
1,2,4-Trichlorobenzene	ND	10.2	4.18	41		10.2	3.40	33	Q	21 Q	40-140	20

Matrix Spike
Form 3

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Client Sample ID	: SW1B-20160810	Matrix	: WATER
Lab Sample ID	: L1625236-03	Analysis Date	: 08/17/16 15:45
Matrix Spike	: WG923180-4	MS Analysis Date	: 08/17/16 16:18
Matrix Spike Dup	: WG923180-5	MSD Analysis Date	: 08/17/16 16:50

		Matrix Spike Sample				Matrix Spike Duplicate						
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		Spike Added (ug/l)	Spike Conc. (ug/l)	%R		RPD		Recovery Limits	RPD Limit
Naphthalene	ND	10.2	5.62	55		10.2	5.05	50		11		40-140	20
4-Chloroaniline	ND	10.2	6.87	67		10.2	7.46	73		8		40-140	20
Hexachlorobutadiene	ND	10.2	3.16	31	Q	10.2	2.42	24	Q	27	Q	40-140	20
Caprolactam	0.345J	10.2	2.95	29	Q	10.2	2.73	27	Q	8		40-140	20
P-Chloro-M-Cresol	ND	10.2	8.93	88		10.2	9.30	91		4		30-130	20
2-Methylnaphthalene	ND	10.2	5.35	52		10.2	4.90	48		9		40-140	20
1,2,4,5-Tetrachlorobenzene	ND	10.2	4.38	43		10.2	3.59	35	Q	20		40-140	20
Hexachlorocyclopentadiene	ND	10.2	3.05	30	Q	10.2	2.38	23	Q	25	Q	40-140	20
2,4,6-Trichlorophenol	ND	10.2	8.73	86		10.2	9.06	89		4		30-130	20
2,4,5-Trichlorophenol	ND	10.2	9.30	91		10.2	9.34	92		0		30-130	20
Biphenyl	ND	10.2	6.64	65		10.2	6.59	65		1		40-140	20
2-Chloronaphthalene	ND	10.2	5.61	55		10.2	5.11	50		9		40-140	20
2-Nitroaniline	ND	10.2	9.92	97		10.2	10.0	98		1		40-140	20
Acenaphthylene	ND	10.2	7.24	71		10.2	7.00	69		3		40-140	20
Dimethylphthalate	ND	10.2	9.52	93		10.2	9.40	92		1		40-140	20
2,6-Dinitrotoluene	ND	10.2	9.70	95		10.2	9.66	95		0		40-140	20
Acenaphthene	ND	10.2	6.68	66		10.2	6.41	63		4		40-140	20
3-Nitroaniline	ND	10.2	8.36	82		10.2	8.38	82		0		40-140	20
2,4-Dinitrophenol	ND	10.2	8.89	87		10.2	9.13	90		3		30-130	20
Dibenzofuran	ND	10.2	7.17	70		10.2	6.88	67		4		40-140	20
2,3,4,6-Tetrachlorophenol	ND	10.2	9.22	90		10.2	9.04	89		2		30-130	20
2,4-Dinitrotoluene	ND	10.2	10.1	99		10.2	10.0	98		1		40-140	20
4-Nitrophenol	ND	10.2	4.32	42		10.2	4.29	42		1		30-130	20
Fluorene	ND	10.2	7.80	76		10.2	7.45	73		5		40-140	20

Matrix Spike
Form 3

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Client Sample ID	: SW1B-20160810	Matrix	: WATER
Lab Sample ID	: L1625236-03	Analysis Date	: 08/17/16 15:45
Matrix Spike	: WG923180-4	MS Analysis Date	: 08/17/16 16:18
Matrix Spike Dup	: WG923180-5	MSD Analysis Date	: 08/17/16 16:50

		Matrix Spike Sample				Matrix Spike Duplicate						
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		Spike Added (ug/l)	Spike Conc. (ug/l)	%R		RPD	Recovery Limits	RPD Limit
4-Chlorophenyl phenyl ether	ND	10.2	6.79	66		10.2	6.22	61		9	40-140	20
Diethylphthalate	ND	10.2	10.1	99		10.2	9.69	95		4	40-140	20
4-Nitroaniline	ND	10.2	9.67	95		10.2	9.29	91		4	40-140	20
4,6-Dinitro-2-Methylphenol	ND	10.2	9.55	94		10.2	9.42	92		1	30-130	20
Azobenzene	ND	10.2	8.23	81		10.2	8.22	81		0	40-140	20
NitrosoDiPhenylAmine(NDPA)/DPA	ND	10.2	9.26	91		10.2	9.30	91		0	40-140	20
4-Bromophenyl phenyl ether	ND	10.2	7.42	73		10.2	7.28	71		2	40-140	20
Hexachlorobenzene	ND	10.2	8.03	79		10.2	8.22	81		2	40-140	20
Atrazine	ND	10.2	9.50	93		10.2	9.31	91		2	40-140	20
Pentachlorophenol	ND	10.2	8.51	83		10.2	9.16	90		7	30-130	20
Phenanthrene	ND	10.2	8.34	82		10.2	8.70	85		4	40-140	20
Anthracene	ND	10.2	8.84	87		10.2	8.89	87		1	40-140	20
Carbazole	ND	10.2	9.58	94		10.2	9.59	94		0	40-140	20
Di-n-butylphthalate	ND	10.2	10.3	101		10.2	10.1	99		2	40-140	20
Fluoranthene	ND	10.2	9.27	91		10.2	9.55	94		3	40-140	20
Benzidine	ND	25.5	0.942J	4	Q	25.5	2.93J	12	Q	103 Q	40-140	20
Pyrene	ND	10.2	9.78	96		10.2	9.95	98		2	40-140	20
Butylbenzylphthalate	0.232J	10.2	9.93	97		10.2	9.95	98		0	40-140	20
3,3'-Dichlorobenzidine	ND	10.2	6.29	62		10.2	6.68	66		6	40-140	20
Benz(a)anthracene	ND	10.2	9.69	95		10.2	9.68	95		0	40-140	20
Chrysene	ND	10.2	9.35	92		10.2	9.48	93		1	40-140	20
Bis(2-Ethylhexyl)phthalate	0.222J	10.2	10.2	100		10.2	10.0	98		2	40-140	20
Di-n-octylphthalate	ND	10.2	9.61	94		10.2	9.26	91		4	40-140	20
Benzo(b)fluoranthene	ND	10.2	9.76	96		10.2	9.67	95		1	40-140	20

Matrix Spike
Form 3

Client	: Anchor QEA, LLC	**Lab Number**	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	**Project Number**	: E50593-01.01
Client Sample ID	: SW1B-20160810	**Matrix**	: WATER
Lab Sample ID	: L1625236-03	**Analysis Date**	: 08/17/16 15:45
Matrix Spike	: WG923180-4	**MS Analysis Date**	: 08/17/16 16:18
Matrix Spike Dup	: WG923180-5	**MSD Analysis Date**	: 08/17/16 16:50

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Benzo(k)fluoranthene	ND	10.2	9.46	93	10.2	9.47	93	0	40-140	20
Benzo(a)pyrene	ND	10.2	9.26	91	10.2	9.39	92	1	40-140	20
Indeno(1,2,3-cd)Pyrene	ND	10.2	9.56	94	10.2	9.84	96	3	40-140	20
Dibenz(a,h)anthracene	ND	10.2	9.56	94	10.2	10.2	100	6	40-140	20
Benzo(ghi)perylene	ND	10.2	9.44	92	10.2	9.55	94	1	40-140	20

Method Blank Summary
Form 4

Client	: Anchor QEA, LLC	**Lab Number**	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	**Project Number**	: E50593-01.01
Lab Sample ID	: WG923180-1	**Lab File ID**	: F808171604
Instrument ID	: BNA8	**Extraction Date**	: 08/16/16
Matrix	: WATER	**Analysis Date**	: 08/17/16 12:28
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG923180-2LCS	WG923180-2	08/17/16 13:00
WG923180-3LCSD	WG923180-3	08/17/16 13:33
EB 20160811	L1625236-01	08/17/16 14:39
SW1A-20160810	L1625236-02	08/17/16 15:12
SW1B-20160810	L1625236-03	08/17/16 15:45
SW1B-20160810MS	WG923180-4	08/17/16 16:18
SW1B-20160810MSD	WG923180-5	08/17/16 16:50
SW1C-20160810	L1625236-04	08/17/16 17:23
SW2A-20160810	L1625236-05	08/17/16 17:56
SW2B-20160810	L1625236-06	08/17/16 18:28
SW2C-20160810	L1625236-07	08/17/16 19:00
SW3A-20160810	L1625236-08	08/17/16 19:32
SW3B-20160810	L1625236-09	08/17/16 20:04
SW3C-20160810	L1625236-10	08/17/16 20:36
DUP-20160810	L1625236-11	08/17/16 21:08

Instrument Performance Check
Decafluorotriphenylphosphine (DFTPP)
Form 5

Client	: Anchor QEA, LLC	**Lab Number**	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: BNA8	**Analysis Date**	: 07/28/16 12:29
Tune Standard	: R888857-20	**Tune File ID**	: F807281604_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	29
68	Less than 2.0% of mass 69	0.6 (1.6)1
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	51.9
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	20.9
365	Greater than 1.0% of mass 198	2.1
441	Present, but less than 24% of mass 442	14.6
442	Base Peak, or >50% of mass 198	58.6
443	15.0 - 24.0% of mass 442	11.4 (19.4)2

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

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
std 0.5	R888857-1	F807281605	07/28/16 13:01
std 1	R888857-5	F807281606	07/28/16 13:34
std 2	R888857-6	F807281607	07/28/16 14:06
std 5	R888857-7	F807281608	07/28/16 14:40
std 10	R888857-2	F807281609	07/28/16 15:13
std 15	R888857-8	F807281610	07/28/16 15:46
std 25	R888857-9	F807281611	07/28/16 16:20
std 50	R888857-10	F807281612	07/28/16 16:54
std 0.5a	R888857-3	F807281613	07/28/16 17:27
std 1a	R888857-11	F807281614	07/28/16 18:00
std 2a	R888857-13	F807281615	07/28/16 18:34
std 5a	R888857-12	F807281616	07/28/16 19:07
std 10a	R888857-4	F807281617	07/28/16 19:40
std 15a	R888857-14	F807281618	07/28/16 20:13
std 25a	R888857-15	F807281619	07/28/16 20:46
ICV Quant Report std 10	R888857-16	F807281620	07/28/16 21:19
ICV Quant Report std 10	R888857-17	F807281621	07/28/16 21:52
ICV Quant Report std 10	R888857-18	F807281622	07/28/16 22:25
ICV Quant Report std 10	R888857-19	F807281623	07/28/16 22:57

Instrument Performance Check
Decafluorotriphenylphosphine (DFTPP)
Form 5

Client	: Anchor QEA, LLC	**Lab Number**	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: BNA8	**Analysis Date**	: 08/17/16 09:19
Tune Standard	: WG923553-1	**Tune File ID**	: F808171601_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	31.3
68	Less than 2.0% of mass 69	0.7 (1.6)1
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	53
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 60.0% of Base Peak	21.4
365	Greater than 1.0% of mass 198	2.3
441	Present, but less than 24% of mass 442	14.7
442	Base Peak, or >50% of mass 198	62.9
443	15.0 - 24.0% of mass 442	12.1 (19.2)2

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

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG923553-3CCAL	WG923553-3	F808171602	08/17/16 09:50
WG923553-4CCAL	WG923553-4	F808171603	08/17/16 10:23
WG923180-1BLANK	WG923180-1	F808171604	08/17/16 12:28
WG923180-2LCS	WG923180-2	F808171605	08/17/16 13:00
WG923180-3LCSD	WG923180-3	F808171606	08/17/16 13:33
EB 20160811	L1625236-01	F808171608	08/17/16 14:39
SW1A-20160810	L1625236-02	F808171609	08/17/16 15:12
SW1B-20160810	L1625236-03	F808171610	08/17/16 15:45
WG923180-4MS	WG923180-4	F808171611	08/17/16 16:18
WG923180-5MSD	WG923180-5	F808171612	08/17/16 16:50
SW1C-20160810	L1625236-04	F808171613	08/17/16 17:23
SW2A-20160810	L1625236-05	F808171614	08/17/16 17:56
SW2B-20160810	L1625236-06	F808171615	08/17/16 18:28
SW2C-20160810	L1625236-07	F808171616	08/17/16 19:00
SW3A-20160810	L1625236-08	F808171617	08/17/16 19:32
SW3B-20160810	L1625236-09	F808171618	08/17/16 20:04
SW3C-20160810	L1625236-10	F808171619	08/17/16 20:36
DUP-20160810	L1625236-11	F808171620	08/17/16 21:08

Initial Calibration Summary
Form 6

Client	**: Anchor QEA, LLC**	**Lab Number**	**: L1625236**
Project Name	**: FORMER GLENS FALLS OU-2**	**Project Number**	**: E50593-01.01**
Instrument ID	**: BNA8**	**Ical Ref**	**: ICAL12703**
Calibration dates	**: 07/28/16 13:01 07/28/16 20:46**		

Calibration Files

0.5 =F807281605.D 1 =F807281606.D 2 =F807281607.D 5 =F807281608.D 10 =F807281609.D

15 =F807281610.D 25 =F807281611.D 50 =F807281612.D 0.5a=F807281613.D 1.0a=F807281614.D

2.0a=F807281615.D 5.0a=F807281616.D 10a =F807281617.D 15a =F807281618.D 25a =F807281619.D

		Compound	0.5	1	2	5	10	15	25	50	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
2)	T	N-Nitrosodimethylamine	0.682	0.653	0.678	0.635	0.659	0.623	0.634	0.576	0.643	5.29
3)	t	Pyridine	1.223	1.294	1.351	1.180	1.206	1.139	1.244	1.143	1.222	5.99
4)	S	2-Fluorophenol	1.177	1.212	1.238	1.197	1.227	1.187	1.210	1.165	1.202	2.07
5)	T	Benzaldehyde	1.039	1.104	0.971	0.985	0.924	0.955	0.906		0.984	6.96
6)	T	Aniline	1.818	1.877	1.907	1.859	1.872	1.816	1.846		1.856	1.77
7)	T	bis(2-Chloroethyl)ether	0.865	0.859	0.869	0.821	0.828	0.784	0.782	0.697	0.813	7.10
8)	S	Phenol-d5	1.424	1.467	1.495	1.474	1.509	1.459	1.469	1.348	1.456	3.46
9)	MC	Phenol	1.541	1.546	1.612	1.555	1.561	1.489	1.470	1.317	1.511	5.95#
10)	M	2-Chlorophenol	1.281	1.310	1.356	1.321	1.338	1.310	1.318	1.226	1.308	3.02
11)	T	1,3-Dichlorobenzene	1.460	1.476	1.495	1.454	1.480	1.417	1.421	1.274	1.435	4.90
12)	MC	1,4-Dichlorobenzene	1.491	1.487	1.517	1.461	1.438	1.410	1.401	1.254	1.432	5.76#
13)	T	1,2-Dichlorobenzene	1.399	1.420	1.434	1.388	1.387	1.345	1.333	1.183	1.361	5.85
14)	T	Benzyl alcohol	0.743	0.785	0.813	0.800	0.820	0.812	0.820	0.769	0.795	3.49
15)	T	bis(2-chloroisopropyl)eth	1.612	1.595	1.580	1.509	1.475	1.396	1.354	1.171	1.462	10.26
16)	T	2-Methylphenol	1.041	1.067	1.068	1.033	1.051	1.010	1.022	0.931	1.028	4.31
17)	T	Acetophenone	1.686	1.797	1.576	1.647	1.661	1.568	1.529		1.638	5.51
18)	T	Hexachloroethane	0.590	0.596	0.603	0.591	0.599	0.580	0.585	0.523	0.583	4.39
19)	MP	N-Nitroso-di-n-propylamin	0.796	0.834	0.850	0.821	0.829	0.783	0.791	0.723	0.803	4.99
20)	T	4-Methylphenol	1.120	1.164	1.177	1.130	1.135	1.084	1.102	1.048	1.120	3.74
21)	I	Naphthalene-d8	----------ISTD----------									
22)	S	Nitrobenzene-d5	0.305	0.317	0.323	0.312	0.321	0.313	0.308	0.286	0.311	3.74
23)	T	Nitrobenzene	0.321	0.326	0.332	0.318	0.324	0.305	0.300	0.272	0.312	6.18
24)	T	Isophorone	0.475	0.496	0.509	0.497	0.508	0.490	0.490	0.443	0.489	4.38
25)	TC	2-Nitrophenol	0.162	0.171	0.184	0.184	0.192	0.186	0.184	0.168	0.179	5.87#
26)	T	2,4-Dimethylphenol	0.296	0.295	0.303	0.286	0.288	0.273	0.267	0.246	0.282	6.61
27)	T	Benzoic acid		0.051	0.100	0.155	0.204	0.209	0.226	0.234	*L	0.9974
28)	T	bis(2-Chloroethoxy)methan	0.372	0.380	0.382	0.367	0.367	0.349	0.338	0.316	0.359	6.36
29)	TC	2,4-Dichlorophenol	0.255	0.266	0.275	0.273	0.279	0.265	0.263	0.242	0.265	4.55#
30)	M	1,2,4-Trichlorobenzene	0.298	0.294	0.297	0.288	0.290	0.277	0.270	0.246	0.282	6.24
31)	T	Naphthalene	0.972	0.971	0.982	0.943	0.941	0.886	0.854	0.756	0.913	8.51
32)	T	2-Chloroaniline	0.475	0.484	0.489	0.475	0.478	0.457	0.445	0.390	0.462	7.01
33)	T	4-Chloroaniline	0.400	0.407	0.422	0.401	0.399	0.387	0.377	0.338	0.391	6.45
34)	TC	Hexachlorobutadiene	0.144	0.147	0.151	0.147	0.150	0.146	0.142	0.129	0.145	4.87#
35)	T	Caprolactam	0.086	0.101	0.090	0.100	0.102	0.099	0.103		0.097	6.93
36)	MC	4-Chloro-3-methylphenol	0.243	0.251	0.259	0.259	0.268	0.256	0.258	0.239	0.254	3.71#
37)	T	2-Methylnaphthalene	0.630	0.631	0.649	0.632	0.629	0.597	0.572	0.508	0.606	7.65
38)	I	Acenaphthene-d10	----------ISTD----------									
39)	T	1,2,4,5-Tetrachlorobenzen	0.577	0.600	0.602	0.585	0.582	0.565	0.520	0.457	0.561	8.78
40)	TP	Hexachlorocyclopentadiene	0.211	0.241	0.271	0.292	0.309	0.310	0.303	0.280	0.277	12.81

Initial Calibration Summary
Form 6

Client	**: Anchor QEA, LLC**	**Lab Number**	**: L1625236**
Project Name	**: FORMER GLENS FALLS OU-2**	**Project Number**	**: E50593-01.01**
Instrument ID	**: BNA8**	**Ical Ref**	**: ICAL12703**
Calibration dates	**: 07/28/16 13:01 07/28/16 20:46**		

Calibration Files

0.5 =F807281605.D 1 =F807281606.D 2 =F807281607.D 5 =F807281608.D 10 =F807281609.D

15 =F807281610.D 25 =F807281611.D 50 =F807281612.D 0.5a=F807281613.D 1.0a=F807281614.D

2.0a=F807281615.D 5.0a=F807281616.D 10a =F807281617.D 15a =F807281618.D 25a =F807281619.D

		Compound	0.5	1	2	5	10	15	25	50	Avg	%RSD
41)	TC	2,4,6-Trichlorophenol	0.362	0.389	0.396	0.399	0.411	0.404	0.397	0.366	0.390	4.47#
42)	T	2,4,5-Trichlorophenol	0.368	0.399	0.409	0.415	0.418	0.403	0.384	0.351	0.393	6.04
43)	S	2-Fluorobiphenyl	1.384	1.408	1.406	1.379	1.369	1.322	1.234	1.070	1.322	8.80
44)	T	Biphenyl	1.638	1.745	1.616	1.644	1.619	1.513	1.377		1.593	7.34
45)	T	2-Chloronaphthalene	1.222	1.256	1.265	1.224	1.222	1.176	1.108	0.984	1.182	7.97
46)	T	2-Nitroaniline	0.279	0.312	0.335	0.333	0.344	0.335	0.334	0.311	0.323	6.60
47)	T	Acenaphthylene	1.919	2.022	2.067	2.041	2.033	1.930	1.839	1.622	1.934	7.65
48)	T	Dimethylphthalate	1.239	1.294	1.299	1.306	1.328	1.307	1.315	1.228	1.290	2.81
49)	T	2,6-Dinitrotoluene	0.239	0.275	0.294	0.314	0.326	0.327	0.324	0.304	0.300	10.22
50)	MC	Acenaphthene	1.261	1.285	1.278	1.237	1.228	1.174	1.126	0.977	1.196	8.65#
51)	T	3-Nitroaniline	0.306	0.331	0.345	0.351	0.370	0.360	0.363	0.342	0.346	5.93
52)	TP	2,4-Dinitrophenol	0.075	0.119	0.162	0.210	0.254	0.264	0.270	0.268	*Q	0.9901
53)	T	Dibenzofuran	1.671	1.707	1.690	1.614	1.624	1.546	1.456	1.256	1.571	9.63
54)		2,3,4,6-Tetrachlorophenol	0.226	0.261	0.275	0.283	0.302	0.300	0.299	0.281	0.278	9.10
55)	M	2,4-Dinitrotoluene	0.323	0.373	0.397	0.409	0.430	0.424	0.399	0.343	0.387	9.78
56)	MP	4-Nitrophenol	0.128	0.149	0.162	0.176	0.185	0.185	0.189	0.181	0.169	12.66
57)	T	Fluorene	1.317	1.372	1.362	1.325	1.301	1.222	1.152	0.998	1.256	10.14
58)	T	4-Chlorophenyl-phenylethe	0.602	0.642	0.621	0.595	0.584	0.556	0.526	0.459	0.573	10.19
59)	T	Diethylphthalate	1.279	1.363	1.361	1.382	1.394	1.374	1.306	1.168	1.328	5.71
60)	T	4-Nitroaniline	0.307	0.346	0.354	0.362	0.372	0.356	0.352	0.337	0.348	5.60
61)	I	Phenanthrene-d10	----------ISTD----------									
62)	T	4,6-Dinitro-2-methylpheno		0.097	0.122	0.138	0.152	0.149	0.152	0.142	0.136	14.77
63)	T	Azobenzene	0.191	0.196	0.202	0.197	0.203	0.190	0.191	0.169	0.192	5.47
64)	TC	n-Nitrosodiphenylamine	0.496	0.505	0.513	0.498	0.504	0.472	0.474	0.421	0.485	6.13#
65)	S	2,4,6-Tribromophenol	0.056	0.063	0.067	0.067	0.072	0.069	0.072	0.068	0.067	7.96
66)	T	4-Bromophenyl-phenylether	0.168	0.171	0.177	0.173	0.179	0.170	0.174	0.159	0.171	3.54
67)	T	Hexachlorobenzene	0.184	0.174	0.180	0.175	0.181	0.171	0.175	0.161	0.175	4.11
68)	T	Atrazine	0.175	0.193	0.182	0.201	0.212	0.204	0.200		0.195	6.64
69)	MC	Pentachlorophenol		0.096	0.118	0.130	0.141	0.138	0.148	0.138	0.130	13.39#
70)	T	Pentachloronitrobenzene	0.059	0.069	0.075	0.079	0.083	0.079	0.082	0.074	0.075	10.40
71)	T	Phenanthrene	1.036	1.045	1.077	1.031	1.047	0.984	0.973	0.860	1.007	6.78
72)	T	Anthracene	1.005	1.038	1.070	1.036	1.049	0.997	0.961	0.830	0.998	7.62
73)	T	Carbazole	0.941	0.994	1.038	1.000	1.005	0.920	0.872	0.774	0.943	9.21
74)	T	Di-n-butylphthalate	1.009	1.137	1.243	1.308	1.304	1.236	1.188	1.046	1.184	9.46
75)	TC	Fluoranthene	1.051	1.102	1.145	1.143	1.154	1.069	1.029	0.892	1.073	8.10#
76)	I	Chrysene-d12	----------ISTD----------									
77)	T	Benzidine	0.573	0.726	0.731	0.826	0.860	0.955	0.948		0.803	17.01
78)	M	Pyrene	1.153	1.209	1.242	1.248	1.258	1.236	1.229	1.134	1.214	3.77
79)	S	Terphenyl-d14	0.659	0.701	0.731	0.721	0.726	0.723	0.722	0.682	0.708	3.60
80)	T	Butylbenzylphthalate	0.432	0.505	0.566	0.628	0.649	0.653	0.661	0.629	*L	0.9993

Initial Calibration Summary
Form 6

Client	**: Anchor QEA, LLC**	**Lab Number**	**: L1625236**
Project Name	**: FORMER GLENS FALLS OU-2**	**Project Number**	**: E50593-01.01**
Instrument ID	**: BNA8**	**Ical Ref**	**: ICAL12703**
Calibration dates	**: 07/28/16 13:01 07/28/16 20:46**		

Calibration Files

0.5 =F807281605.D 1 =F807281606.D 2 =F807281607.D 5 =F807281608.D 10 =F807281609.D

15 =F807281610.D 25 =F807281611.D 50 =F807281612.D 0.5a=F807281613.D 1.0a=F807281614.D

2.0a=F807281615.D 5.0a=F807281616.D 10a =F807281617.D 15a =F807281618.D 25a =F807281619.D

		Compound	0.5	1	2	5	10	15	25	50	Avg	%RSD
81)	T	3,3'-Dichlorobenzidine	0.345	0.386	0.367	0.407	0.409	0.434	0.421		0.396	7.93
82)	T	Benz[a]anthracene	0.973	1.009	1.032	1.074	1.107	1.096	1.124	1.048	1.058	4.91
83)	T	Chrysene	1.079	1.071	1.103	1.080	1.085	1.074	1.044	0.978	1.064	3.61
84)	T	bis(2-Ethylhexyl)phthalat	0.503	0.635	0.748	0.842	0.862	0.877	0.875	0.819	*L	0.9985
85)	I	Perylene-d12	----------ISTD----------									
86)	TC	Di-n-octylphthalate	0.751	1.012	1.274	1.548	1.679	1.663	1.536		*Q	0.9996
87)	T	Benzo[b]fluoranthene	0.920	0.990	1.071	1.114	1.150	1.144	1.099	1.038	1.066	7.48
88)	T	Benzo[k]fluoranthene	0.999	1.062	1.122	1.132	1.132	1.092	1.019	0.917	1.059	7.23
89)	TC	Benzo[a]pyrene	0.956	1.027	1.070	1.078	1.101	1.101	1.035	0.934	1.038	6.14#
90)	T	Indeno[1,2,3-cd]pyrene	0.629	0.714	0.794	0.860	0.965	0.958	0.948	0.912	0.847	14.72
91)	T	Dibenz[a,h]anthracene	0.714	0.790	0.821	0.889	0.960	0.940	0.910	0.841	0.858	9.62
92)	T	Benzo[g,h,i]perylene	0.842	0.905	0.961	0.990	1.028	1.011	0.980	0.906	0.953	6.62

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	Lab Number	: L1625236	
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01	
Instrument ID	: BNA8	Calibration Date	: 08/17/16 09:50	
Lab File ID	: F808171602	Init. Calib. Date(s)	: 07/28/16	07/28/16
Sample No	: WG923553-3	Init. Calib. Times	: 13:01	20:46
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	-	0	20	91	0
N-Nitrosodimethylamine	0.643	0.68	-	-5.8	20	94	0
Pyridine	1.222	1.277	-	-4.5	20	96	0
2-Fluorophenol	1.202	1.26	-	-4.8	20	93	0
Aniline	1.856	1.789	-	3.6	20	87	0
bis(2-Chloroethyl)ether	0.813	0.831	-	-2.2	20	91	0
Phenol-d5	1.456	1.478	-	-1.5	20	89	0
Phenol	1.511	1.515	-	-0.3	20	88	0
2-Chlorophenol	1.308	1.327	-	-1.5	20	90	0
1,3-Dichlorobenzene	1.435	1.462	-	-1.9	20	90	0
1,4-Dichlorobenzene	1.432	1.462	-	-2.1	20	92	0
1,2-Dichlorobenzene	1.361	1.369	-	-0.6	20	90	0
Benzyl alcohol	0.795	0.802	-	-0.9	20	89	0
bis(2-chloroisopropyl)ethe	1.462	1.476	-	-1	20	91	0
2-Methylphenol	1.028	1.02	-	0.8	20	88	0
Hexachloroethane	0.583	0.613	-	-5.1	20	93	0
N-Nitroso-di-n-propylamine	0.803	0.852	-	-6.1	20	93	0
4-Methylphenol	1.12	1.097	-	2.1	20	88	0
Naphthalene-d8	1	1	-	0	20	90	0
Nitrobenzene-d5	0.311	0.356	-	-14.5	20	99	0
Nitrobenzene	0.312	0.349	-	-11.9	20	97	0
Isophorone	0.489	0.532	-	-8.8	20	94	0
2-Nitrophenol	0.179	0.194	-	-8.4	20	91	0
2,4-Dimethylphenol	0.282	0.264	-	6.4	20	82	0
Benzoic acid	10	10.107	-	-1.1	20	94	0
bis(2-Chloroethoxy)methane	0.359	0.359	-	0	20	88	0
2,4-Dichlorophenol	0.265	0.278	-	-4.9	20	89	0
1,2,4-Trichlorobenzene	0.282	0.294	-	-4.3	20	91	0
Naphthalene	0.913	0.947	-	-3.7	20	90	0
2-Chloroaniline	0.462	0.48	-	-3.9	20	90	0
4-Chloroaniline	0.391	0.405	-	-3.6	20	91	0
Hexachlorobutadiene	0.145	0.161	-	-11	20	96	0
4-Chloro-3-methylphenol	0.254	0.275	-	-8.3	20	92	0
2-Methylnaphthalene	0.606	0.644	-	-6.3	20	92	0
Acenaphthene-d10	1	1	-	0	20	89	0
1,2,4,5-Tetrachlorobenzene	0.561	0.597	-	-6.4	20	91	0
Hexachlorocyclopentadiene	0.277	0.335	-	-20.9*	20	96	0
2,4,6-Trichlorophenol	0.39	0.423	-	-8.5	20	92	0
2,4,5-Trichlorophenol	0.393	0.431	-	-9.7	20	92	0
2-Fluorobiphenyl	1.322	1.424	-	-7.7	20	92	0
2-Chloronaphthalene	1.182	1.228	-	-3.9	20	89	0
2-Nitroaniline	0.323	0.373	-	-15.5	20	96	0
Acenaphthylene	1.934	2.109	-	-9	20	92	0
Dimethylphthalate	1.29	1.421	-	-10.2	20	95	0
2,6-Dinitrotoluene	0.3	0.339	-	-13	20	93	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	Lab Number	: L1625236	
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01	
Instrument ID	: BNA8	Calibration Date	: 08/17/16 09:50	
Lab File ID	: F808171602	Init. Calib. Date(s)	: 07/28/16	07/28/16
Sample No	: WG923553-3	Init. Calib. Times	: 13:01	20:46
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthene	1.196	1.263	-	-5.6	20	91	0
3-Nitroaniline	0.346	0.368	-	-6.4	20	88	0
2,4-Dinitrophenol	10	11.06	-	-10.6	20	91	0
Dibenzofuran	1.571	1.673	-	-6.5	20	92	0
2,3,4,6-Tetrachlorophenol	0.278	0.315	-	-13.3	20	93	0
2,4-Dinitrotoluene	0.387	0.449	-	-16	20	93	0
4-Nitrophenol	0.169	0.211	-	-24.9*	20	101	0
Fluorene	1.256	1.326	-	-5.6	20	91	0
4-Chlorophenyl-phenylether	0.573	0.616	-	-7.5	20	94	0
Diethylphthalate	1.328	1.476	-	-11.1	20	94	0
4-Nitroaniline	0.348	0.368	-	-5.7	20	88	0
Phenanthrene-d10	1	1	-	0	20	92	0
4,6-Dinitro-2-methylphenol	0.136	0.155	-	-14	20	93	0
Azobenzene	0.192	0.191	-	0.5	20	86	0
n-Nitrosodiphenylamine	0.485	0.492	-	-1.4	20	90	0
2,4,6-Tribromophenol	0.067	0.074	-	-10.4	20	94	0
4-Bromophenyl-phenylether	0.171	0.178	-	-4.1	20	91	0
Hexachlorobenzene	0.175	0.185	-	-5.7	20	94	0
Pentachlorophenol	0.13	0.141	-	-8.5	20	92	0
Pentachloronitrobenzene	0.075	0.094	-	-25.3*	20	104	0
Phenanthrene	1.007	1.022	-	-1.5	20	90	0
Anthracene	0.998	1.032	-	-3.4	20	90	0
Carbazole	0.943	0.974	-	-3.3	20	89	0
Di-n-butylphthalate	1.184	1.243	-	-5	20	88	0
Fluoranthene	1.073	1.142	-	-6.4	20	91	0
Chrysene-d12	1	1	-	0	20	89	.01
Pyrene	1.214	1.251	-	-3	20	89	0
Terphenyl-d14	0.708	0.733	-	-3.5	20	90	0
Butylbenzylphthalate	10	10.212	-	-2.1	20	89	0
Benz[a]anthracene	1.058	1.13	-	-6.8	20	91	0
Chrysene	1.064	1.102	-	-3.6	20	90	0
bis(2-Ethylhexyl)phthalate	10	10.467	-	-4.7	20	90	0
Perylene-d12	1	1	-	0	20	81	0
Di-n-octylphthalate	10	10.869	-	-8.7	20	88	0
Benzo[b]fluoranthene	1.066	1.22	-	-14.4	20	86	0
Benzo[k]fluoranthene	1.059	1.187	-	-12.1	20	85	0
Benzo[a]pyrene	1.038	1.067	-	-2.8	20	79	0
Indeno[1,2,3-cd]pyrene	0.847	0.987	-	-16.5	20	83	0
Dibenz[a,h]anthracene	0.858	1.02	-	-18.9	20	86	0
Benzo[g,h,i]perylene	0.953	1.033	-	-8.4	20	82	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	**Lab Number**	: L1625236	
Project Name	: FORMER GLENS FALLS OU-2	**Project Number**	: E50593-01.01	
Instrument ID	: BNA8	**Calibration Date**	: 08/17/16 10:23	
Lab File ID	: F808171603	**Init. Calib. Date(s)**	: 07/28/16	07/28/16
Sample No	: WG923553-4	**Init. Calib. Times**	: 13:01	20:46
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	-	0	30	101	0
Benzaldehyde	0.984	0.91	-	7.5	30	100	0
Acetophenone	1.638	1.595	-	2.6	30	98	0
Naphthalene-d8	1	1	-	0	30	98	0
Caprolactam	0.097	0.106	-	-9.3	30	98	0
Acenaphthene-d10	1	1	-	0	30	98	0
Biphenyl	1.593	1.545	-	3	30	94	0
Phenanthrene-d10	1	1	-	0	30	102	0
Atrazine	0.195	0.199	-	-2.1	30	98	0
Chrysene-d12	1	1	-	0	30	86	0
Benzidine	0.803	0.981	-	-22.2	30	101	0
3,3'-Dichlorobenzidine	0.396	0.419	-	-5.8	30	91	0
Perylene-d12	1	1	-	0	30	90	0

* Value outside of QC limits.

Internal Standard Area and RT Summary
Form 8

Client	: Anchor QEA, LLC	**Lab Number**	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: BNA8	**Analysis Date**	: 08/17/16 09:50
Sample No	: WG923553-3	**Lab File ID**	: F808171602

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG923553-3	294072	4.72	1106534	5.88	522623	7.58
Upper Limit	588144	5.22	2213068	6.38	1045246	8.08
Lower Limit	147036	4.22	553267	5.38	261312	7.08
Sample ID						
WG923553-4 CCAL	326946	4.72	1211948	5.88	575013	7.58
WG923180-1 BLANK	314157	4.72	1178273	5.88	546568	7.58
WG923180-2 LCS	273976	4.72	1001021	5.88	443398	7.58
WG923180-3 LCSD	294083	4.72	1072763	5.88	519175	7.58
EB 20160811	326559	4.72	1244557	5.88	573944	7.57
SW1A-20160810	300646	4.72	1151088	5.88	553577	7.57
SW1B-20160810	296994	4.72	1108265	5.88	529381	7.58
SW1B-20160810 MS	221381	4.72	817098	5.88	373604	7.58
SW1B-20160810 MSD	236597	4.72	881770	5.88	414329	7.58
SW1C-20160810	314107	4.72	1190785	5.88	563882	7.57
SW2A-20160810	222825	4.72	838800	5.88	390498	7.58
SW2B-20160810	230080	4.72	851336	5.88	407940	7.57
SW2C-20160810	290145	4.72	1121049	5.88	528314	7.57
SW3A-20160810	267459	4.72	1003972	5.88	475637	7.57
SW3B-20160810	241791	4.72	912549	5.88	437335	7.57
SW3C-20160810	301876	4.72	1154965	5.88	556384	7.57
DUP-20160810	209421	4.72	792138	5.88	373762	7.57

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8

Client	: Anchor QEA, LLC	**Lab Number**	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: BNA8	**Analysis Date**	: 08/17/16 09:50
Sample No	: WG923553-3	**Lab File ID**	: F808171602

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG923553-3	1012299	9.37	936479	14.63	789387	17.72
Upper Limit	2024598	9.87	1872958	15.13	1578774	18.22
Lower Limit	506150	8.87	468240	14.13	394694	17.22
Sample ID						
WG923553-4 CCAL	1128316	9.37	904905	14.61	869893	17.71
WG923180-1 BLANK	1000209	9.37	931067	14.61	907484	17.72
WG923180-2 LCS	882795	9.37	808247	14.62	733598	17.72
WG923180-3 LCSD	973960	9.37	893645	14.62	831649	17.72
EB 20160811	1069852	9.37	978724	14.61	894886	17.71
SW1A-20160810	967827	9.36	891702	14.61	797548	17.71
SW1B-20160810	980967	9.37	900842	14.61	807545	17.71
SW1B-20160810 MS	700821	9.37	619229	14.61	562349	17.71
SW1B-20160810 MSD	749403	9.37	669039	14.62	639987	17.71
SW1C-20160810	1028762	9.37	908013	14.61	828403	17.71
SW2A-20160810	704040	9.37	611870	14.61	551420	17.71
SW2B-20160810	729553	9.37	639654	14.60	576773	17.71
SW2C-20160810	996138	9.37	877508	14.61	837879	17.71
SW3A-20160810	875647	9.36	792898	14.61	746954	17.71
SW3B-20160810	804683	9.36	710279	14.61	658443	17.71
SW3C-20160810	1035157	9.37	908438	14.61	846705	17.71
DUP-20160810	685784	9.36	587886	14.60	530378	17.71

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-01	Date Collected	: 08/11/16 10:00
Client ID	: EB 20160811	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 22:47
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F508171618	Analyst	: DP
Sample Amount	: 930 ml	Instrument ID	: PAH5
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	3.44	10.8	1.90	J
91-57-6	2-Methylnaphthalene	1.48	10.8	1.14	J
208-96-8	Acenaphthylene	ND	10.8	1.90	U
83-32-9	Acenaphthene	ND	10.8	1.73	U
86-73-7	Fluorene	ND	10.8	1.86	U
85-01-8	Phenanthrene	4.79	10.8	2.03	J
120-12-7	Anthracene	ND	10.8	2.09	U
206-44-0	Fluoranthene	1.69	10.8	1.60	J
129-00-0	Pyrene	ND	10.8	1.63	U
56-55-3	Benz(a)anthracene	ND	10.8	1.86	U
218-01-9	Chrysene	ND	10.8	1.01	U
205-99-2	Benzo(b)fluoranthene	ND	10.8	1.59	U
207-08-9	Benzo(k)fluoranthene	ND	10.8	1.26	U
50-32-8	Benzo(a)pyrene	ND	10.8	0.903	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	10.8	0.573	U
53-70-3	Dibenz(a,h)anthracene	ND	10.8	0.736	U
191-24-2	Benzo(g,h,i)perylene	ND	10.8	1.41	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-02	Date Collected	: 08/10/16 11:05
Client ID	: SW1A-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 23:21
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F508171619	Analyst	: DP
Sample Amount	: 1010 ml	Instrument ID	: PAH5
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	2.36	9.90	1.75	J
91-57-6	2-Methylnaphthalene	ND	9.90	1.05	U
208-96-8	Acenaphthylene	1.78	9.90	1.75	J
83-32-9	Acenaphthene	ND	9.90	1.59	U
86-73-7	Fluorene	ND	9.90	1.71	U
85-01-8	Phenanthrene	6.19	9.90	1.87	J
120-12-7	Anthracene	ND	9.90	1.92	U
206-44-0	Fluoranthene	12.1	9.90	1.48	
129-00-0	Pyrene	13.5	9.90	1.50	
56-55-3	Benz(a)anthracene	7.54	9.90	1.71	J
218-01-9	Chrysene	6.33	9.90	0.927	J
205-99-2	Benzo(b)fluoranthene	5.38	9.90	1.46	J
207-08-9	Benzo(k)fluoranthene	6.61	9.90	1.16	J
50-32-8	Benzo(a)pyrene	7.69	9.90	0.832	J
193-39-5	Indeno(1,2,3-cd)pyrene	4.57	9.90	0.528	J
53-70-3	Dibenz(a,h)anthracene	0.956	9.90	0.678	J
191-24-2	Benzo(g,h,i)perylene	4.66	9.90	1.30	J

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-03	Date Collected	: 08/10/16 10:55
Client ID	: SW1B-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/17/16 23:55
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F508171620	Analyst	: DP
Sample Amount	: 1000 ml	Instrument ID	: PAH5
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	ND	10.0	1.77	U
91-57-6	2-Methylnaphthalene	ND	10.0	1.06	U
208-96-8	Acenaphthylene	ND	10.0	1.77	U
83-32-9	Acenaphthene	ND	10.0	1.61	U
86-73-7	Fluorene	ND	10.0	1.73	U
85-01-8	Phenanthrene	7.20	10.0	1.89	J
120-12-7	Anthracene	ND	10.0	1.94	U
206-44-0	Fluoranthene	9.82	10.0	1.49	J
129-00-0	Pyrene	8.91	10.0	1.52	J
56-55-3	Benz(a)anthracene	4.28	10.0	1.73	J
218-01-9	Chrysene	3.70	10.0	0.936	J
205-99-2	Benzo(b)fluoranthene	3.16	10.0	1.48	J
207-08-9	Benzo(k)fluoranthene	3.50	10.0	1.17	J
50-32-8	Benzo(a)pyrene	3.97	10.0	0.840	J
193-39-5	Indeno(1,2,3-cd)pyrene	2.66	10.0	0.533	J
53-70-3	Dibenz(a,h)anthracene	ND	10.0	0.685	U
191-24-2	Benzo(g,h,i)perylene	2.40	10.0	1.31	J

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-04	Date Collected	: 08/10/16 10:40
Client ID	: SW1C-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 01:38
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F508171623	Analyst	: DP
Sample Amount	: 1010 ml	Instrument ID	: PAH5
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	6.43	9.90	1.75	J
91-57-6	2-Methylnaphthalene	1.60	9.90	1.05	J
208-96-8	Acenaphthylene	ND	9.90	1.75	U
83-32-9	Acenaphthene	ND	9.90	1.59	U
86-73-7	Fluorene	ND	9.90	1.71	U
85-01-8	Phenanthrene	4.80	9.90	1.87	J
120-12-7	Anthracene	ND	9.90	1.92	U
206-44-0	Fluoranthene	5.51	9.90	1.48	J
129-00-0	Pyrene	4.92	9.90	1.50	J
56-55-3	Benz(a)anthracene	1.92	9.90	1.71	J
218-01-9	Chrysene	1.98	9.90	0.927	J
205-99-2	Benzo(b)fluoranthene	2.04	9.90	1.46	J
207-08-9	Benzo(k)fluoranthene	2.27	9.90	1.16	J
50-32-8	Benzo(a)pyrene	2.52	9.90	0.832	J
193-39-5	Indeno(1,2,3-cd)pyrene	2.26	9.90	0.528	J
53-70-3	Dibenz(a,h)anthracene	0.729	9.90	0.678	J
191-24-2	Benzo(g,h,i)perylene	1.84	9.90	1.30	J

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-05	Date Collected	: 08/10/16 10:00
Client ID	: SW2A-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 02:12
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F508171624	Analyst	: DP
Sample Amount	: 1000 ml	Instrument ID	: PAH5
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	366	10.0	1.77	
91-57-6	2-Methylnaphthalene	22.2	10.0	1.06	
208-96-8	Acenaphthylene	33.6	10.0	1.77	
83-32-9	Acenaphthene	10.4	10.0	1.61	
86-73-7	Fluorene	18.4	10.0	1.73	
85-01-8	Phenanthrene	27.2	10.0	1.89	
120-12-7	Anthracene	5.41	10.0	1.94	J
206-44-0	Fluoranthene	6.28	10.0	1.49	J
129-00-0	Pyrene	4.25	10.0	1.52	J
56-55-3	Benz(a)anthracene	ND	10.0	1.73	U
218-01-9	Chrysene	ND	10.0	0.936	U
205-99-2	Benzo(b)fluoranthene	ND	10.0	1.48	U
207-08-9	Benzo(k)fluoranthene	ND	10.0	1.17	U
50-32-8	Benzo(a)pyrene	ND	10.0	0.840	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	10.0	0.533	U
53-70-3	Dibenz(a,h)anthracene	ND	10.0	0.685	U
191-24-2	Benzo(g,h,i)perylene	ND	10.0	1.31	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-06	Date Collected	: 08/10/16 09:50
Client ID	: SW2B-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 02:47
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F508171625	Analyst	: DP
Sample Amount	: 930 ml	Instrument ID	: PAH5
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	ND	10.8	1.90	U
91-57-6	2-Methylnaphthalene	ND	10.8	1.14	U
208-96-8	Acenaphthylene	ND	10.8	1.90	U
83-32-9	Acenaphthene	ND	10.8	1.73	U
86-73-7	Fluorene	2.02	10.8	1.86	J
85-01-8	Phenanthrene	5.15	10.8	2.03	J
120-12-7	Anthracene	ND	10.8	2.09	U
206-44-0	Fluoranthene	4.96	10.8	1.60	J
129-00-0	Pyrene	3.66	10.8	1.63	J
56-55-3	Benz(a)anthracene	ND	10.8	1.86	U
218-01-9	Chrysene	1.43	10.8	1.01	J
205-99-2	Benzo(b)fluoranthene	ND	10.8	1.59	U
207-08-9	Benzo(k)fluoranthene	1.26	10.8	1.26	J
50-32-8	Benzo(a)pyrene	1.06	10.8	0.903	J
193-39-5	Indeno(1,2,3-cd)pyrene	1.02	10.8	0.573	J
53-70-3	Dibenz(a,h)anthracene	ND	10.8	0.736	U
191-24-2	Benzo(g,h,i)perylene	ND	10.8	1.41	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-07	Date Collected	: 08/10/16 09:45
Client ID	: SW2C-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 03:21
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F508171626	Analyst	: DP
Sample Amount	: 1010 ml	Instrument ID	: PAH5
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	4.06	9.90	1.75	J
91-57-6	2-Methylnaphthalene	ND	9.90	1.05	U
208-96-8	Acenaphthylene	ND	9.90	1.75	U
83-32-9	Acenaphthene	2.09	9.90	1.59	J
86-73-7	Fluorene	3.50	9.90	1.71	J
85-01-8	Phenanthrene	5.61	9.90	1.87	J
120-12-7	Anthracene	ND	9.90	1.92	U
206-44-0	Fluoranthene	4.07	9.90	1.48	J
129-00-0	Pyrene	2.49	9.90	1.50	J
56-55-3	Benz(a)anthracene	ND	9.90	1.71	U
218-01-9	Chrysene	ND	9.90	0.927	U
205-99-2	Benzo(b)fluoranthene	ND	9.90	1.46	U
207-08-9	Benzo(k)fluoranthene	ND	9.90	1.16	U
50-32-8	Benzo(a)pyrene	ND	9.90	0.832	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	9.90	0.528	U
53-70-3	Dibenz(a,h)anthracene	ND	9.90	0.678	U
191-24-2	Benzo(g,h,i)perylene	ND	9.90	1.30	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-08	Date Collected	: 08/10/16 12:35
Client ID	: SW3A-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 03:55
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F508171627	Analyst	: DP
Sample Amount	: 1010 ml	Instrument ID	: PAH5
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	6.92	9.90	1.75	J
91-57-6	2-Methylnaphthalene	2.09	9.90	1.05	J
208-96-8	Acenaphthylene	ND	9.90	1.75	U
83-32-9	Acenaphthene	ND	9.90	1.59	U
86-73-7	Fluorene	1.81	9.90	1.71	J
85-01-8	Phenanthrene	4.67	9.90	1.87	J
120-12-7	Anthracene	ND	9.90	1.92	U
206-44-0	Fluoranthene	4.66	9.90	1.48	J
129-00-0	Pyrene	3.13	9.90	1.50	J
56-55-3	Benz(a)anthracene	ND	9.90	1.71	U
218-01-9	Chrysene	1.05	9.90	0.927	J
205-99-2	Benzo(b)fluoranthene	ND	9.90	1.46	U
207-08-9	Benzo(k)fluoranthene	1.22	9.90	1.16	J
50-32-8	Benzo(a)pyrene	1.08	9.90	0.832	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.840	9.90	0.528	J
53-70-3	Dibenz(a,h)anthracene	ND	9.90	0.678	U
191-24-2	Benzo(g,h,i)perylene	ND	9.90	1.30	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-09	Date Collected	: 08/10/16 12:28
Client ID	: SW3B-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 04:29
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F508171628	Analyst	: DP
Sample Amount	: 1000 ml	Instrument ID	: PAH5
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	9.83	10.0	1.77	J
91-57-6	2-Methylnaphthalene	9.72	10.0	1.06	J
208-96-8	Acenaphthylene	6.26	10.0	1.77	J
83-32-9	Acenaphthene	7.04	10.0	1.61	J
86-73-7	Fluorene	5.63	10.0	1.73	J
85-01-8	Phenanthrene	5.63	10.0	1.89	J
120-12-7	Anthracene	ND	10.0	1.94	U
206-44-0	Fluoranthene	4.06	10.0	1.49	J
129-00-0	Pyrene	3.11	10.0	1.52	J
56-55-3	Benz(a)anthracene	ND	10.0	1.73	U
218-01-9	Chrysene	1.07	10.0	0.936	J
205-99-2	Benzo(b)fluoranthene	ND	10.0	1.48	U
207-08-9	Benzo(k)fluoranthene	ND	10.0	1.17	U
50-32-8	Benzo(a)pyrene	1.09	10.0	0.840	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.703	10.0	0.533	J
53-70-3	Dibenz(a,h)anthracene	ND	10.0	0.685	U
191-24-2	Benzo(g,h,i)perylene	ND	10.0	1.31	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-10	Date Collected	: 08/10/16 12:23
Client ID	: SW3C-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 05:03
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F508171629	Analyst	: DP
Sample Amount	: 1000 ml	Instrument ID	: PAH5
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	12.4	10.0	1.77	
91-57-6	2-Methylnaphthalene	1.47	10.0	1.06	J
208-96-8	Acenaphthylene	ND	10.0	1.77	U
83-32-9	Acenaphthene	ND	10.0	1.61	U
86-73-7	Fluorene	2.56	10.0	1.73	J
85-01-8	Phenanthrene	4.72	10.0	1.89	J
120-12-7	Anthracene	ND	10.0	1.94	U
206-44-0	Fluoranthene	3.58	10.0	1.49	J
129-00-0	Pyrene	2.86	10.0	1.52	J
56-55-3	Benz(a)anthracene	ND	10.0	1.73	U
218-01-9	Chrysene	0.953	10.0	0.936	J
205-99-2	Benzo(b)fluoranthene	ND	10.0	1.48	U
207-08-9	Benzo(k)fluoranthene	ND	10.0	1.17	U
50-32-8	Benzo(a)pyrene	0.969	10.0	0.840	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.675	10.0	0.533	J
53-70-3	Dibenz(a,h)anthracene	ND	10.0	0.685	U
191-24-2	Benzo(g,h,i)perylene	ND	10.0	1.31	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-11	Date Collected	: 08/10/16 00:00
Client ID	: DUP-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 05:37
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F508171630	Analyst	: DP
Sample Amount	: 960 ml	Instrument ID	: PAH5
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	3.32	10.4	1.84	J
91-57-6	2-Methylnaphthalene	1.42	10.4	1.10	J
208-96-8	Acenaphthylene	ND	10.4	1.84	U
83-32-9	Acenaphthene	ND	10.4	1.68	U
86-73-7	Fluorene	2.15	10.4	1.80	J
85-01-8	Phenanthrene	4.85	10.4	1.97	J
120-12-7	Anthracene	ND	10.4	2.02	U
206-44-0	Fluoranthene	4.27	10.4	1.55	J
129-00-0	Pyrene	3.18	10.4	1.58	J
56-55-3	Benz(a)anthracene	ND	10.4	1.80	U
218-01-9	Chrysene	1.03	10.4	0.975	J
205-99-2	Benzo(b)fluoranthene	ND	10.4	1.54	U
207-08-9	Benzo(k)fluoranthene	ND	10.4	1.22	U
50-32-8	Benzo(a)pyrene	ND	10.4	0.875	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.673	10.4	0.555	J
53-70-3	Dibenz(a,h)anthracene	ND	10.4	0.714	U
191-24-2	Benzo(g,h,i)perylene	ND	10.4	1.36	U

Form 1
SemiVolatile Organics

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: WG923129-1	Date Collected	: NA
Client ID	: WG923129-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 08/17/16 21:03
Sample Matrix	: WATER	Date Extracted	: 08/16/16
Analytical Method	: 1,8270D-SIM	Dilution Factor	: 1
Lab File ID	: F508171615	Analyst	: DP
Sample Amount	: 1000 ml	Instrument ID	: PAH5
Extraction Method	: EPA 3510C	GC Column	: ZB-5
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
91-20-3	Naphthalene	ND	10.0	1.77	U
91-57-6	2-Methylnaphthalene	ND	10.0	1.06	U
208-96-8	Acenaphthylene	ND	10.0	1.77	U
83-32-9	Acenaphthene	ND	10.0	1.61	U
86-73-7	Fluorene	ND	10.0	1.73	U
85-01-8	Phenanthrene	ND	10.0	1.89	U
120-12-7	Anthracene	ND	10.0	1.94	U
206-44-0	Fluoranthene	ND	10.0	1.49	U
129-00-0	Pyrene	ND	10.0	1.52	U
56-55-3	Benz(a)anthracene	ND	10.0	1.73	U
218-01-9	Chrysene	ND	10.0	0.936	U
205-99-2	Benzo(b)fluoranthene	ND	10.0	1.48	U
207-08-9	Benzo(k)fluoranthene	ND	10.0	1.17	U
50-32-8	Benzo(a)pyrene	ND	10.0	0.840	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	10.0	0.533	U
53-70-3	Dibenz(a,h)anthracene	ND	10.0	0.685	U
191-24-2	Benzo(g,h,i)perylene	ND	10.0	1.31	U

Form 2
Surrogate Recovery
SEMIVOLATILES

Client: Anchor QEA, LLC
Project Name: FORMER GLENS FALLS OU-2

Lab Number: L1625236
Project Number: E50593-01.01
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 ()	S2 ()	S3 ()	S4 ()	S5 ()	S6 ()	TOT OUT
DUP-20160810 (L1625236-11)	84	73	82	--	--	--	0
EB 20160811 (L1625236-01)	88	78	91	--	--	--	0
WG923129-3LCSD	89	76	92	--	--	--	0
WG923129-2LCS	85	74	87	--	--	--	0
WG923129-1BLANK	81	66	84	--	--	--	0
SW1B-20160810MS	85	71	87	--	--	--	0
SW1B-20160810MSD	85	77	84	--	--	--	0
SW1A-20160810 (L1625236-02)	86	71	88	--	--	--	0
SW1B-20160810 (L1625236-03)	82	69	83	--	--	--	0
SW1C-20160810 (L1625236-04)	85	68	85	--	--	--	0
SW2A-20160810 (L1625236-05)	88	76	87	--	--	--	0
SW2B-20160810 (L1625236-06)	87	79	89	--	--	--	0
SW2C-20160810 (L1625236-07)	86	74	86	--	--	--	0
SW3A-20160810 (L1625236-08)	85	76	83	--	--	--	0
SW3B-20160810 (L1625236-09)	84	75	84	--	--	--	0
SW3C-20160810 (L1625236-10)	82	72	81	--	--	--	0

	QC LIMITS
S1 = PYRENE-D10	(30-130)
S2 = 2-METHYLNAPHTHALENE-D10	(30-130)
S3 = BENZO(B)FLUORANTHENE-D12	(30-130)

* Values outside of QC limits

FORM II A2-PAH-8270SIM

Laboratory Control Sample
Form 3

Client	: Anchor QEA, LLC	**Lab Number**	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	**Project Number**	: E50593-01.01
Matrix	: WATER		
LCS Sample ID	: WG923129-2	**Analysis Date :** 08/17/16 21:38	**File ID** : F508171616
LCSD Sample ID	: WG923129-3	**Analysis Date :** 08/17/16 22:12	**File ID** : F508171617

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
Naphthalene	500	370.	74	500	377.	75	1	40-140	30
2-Methylnaphthalene	500	411.	82	500	423.	85	4	40-140	30
Acenaphthylene	500	368.	74	500	386.	77	4	40-140	30
Acenaphthene	500	375.	75	500	395.	79	5	40-140	30
Fluorene	500	377.	75	500	401.	80	6	40-140	30
Phenanthrene	500	404.	81	500	422.	84	4	40-140	30
Anthracene	500	387.	77	500	415.	83	8	40-140	30
Fluoranthene	500	412.	82	500	440.	88	7	40-140	30
Pyrene	500	405.	81	500	432.	86	6	40-140	30
Benz(a)anthracene	500	404.	81	500	428.	86	6	40-140	30
Chrysene	500	427.	85	500	442.	88	3	40-140	30
Benzo(b)fluoranthene	500	446.	89	500	473.	95	7	40-140	30
Benzo(k)fluoranthene	500	474.	95	500	496.	99	4	40-140	30
Benzo(a)pyrene	500	431.	86	500	455.	91	6	40-140	30
Indeno(1,2,3-cd)pyrene	500	404.	81	500	416.	83	2	40-140	30
Dibenz(a,h)anthracene	500	409.	82	500	419.	84	2	40-140	30
Benzo(g,h,i)perylene	500	422.	84	500	438.	88	5	40-140	30

Matrix Spike
Form 3

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Client Sample ID	: SW1B-20160810	Matrix	: WATER
Lab Sample ID	: L1625236-03	Analysis Date	: 08/17/16 23:55
Matrix Spike	: WG923129-4	MS Analysis Date	: 08/18/16 00:29
Matrix Spike Dup	: WG923129-5	MSD Analysis Date	: 08/18/16 01:04

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD	Recovery Limits	RPD Limit
Naphthalene	ND	500	330.	66	500	347.	69	5	40-140	30
2-Methylnaphthalene	ND	500	372.	74	500	395.	79	6	40-140	30
Acenaphthylene	ND	500	352.	70	500	386.	77	9	40-140	30
Acenaphthene	ND	500	357.	71	500	388.	78	8	40-140	30
Fluorene	ND	500	370.	74	500	402.	80	8	40-140	30
Phenanthrene	7.20J	500	415.	83	500	415.	83	0	40-140	30
Anthracene	ND	500	404.	81	500	419.	84	4	40-140	30
Fluoranthene	9.82J	500	440.	88	500	441.	88	0	40-140	30
Pyrene	8.91J	500	421.	84	500	412.	82	2	40-140	30
Benz(a)anthracene	4.28J	500	426.	85	500	422.	84	1	40-140	30
Chrysene	3.70J	500	421.	84	500	407.	81	3	40-140	30
Benzo(b)fluoranthene	3.16J	500	431.	86	500	425.	85	1	40-140	30
Benzo(k)fluoranthene	3.50J	500	460.	92	500	437.	87	5	40-140	30
Benzo(a)pyrene	3.97J	500	427.	85	500	412.	82	4	40-140	30
Indeno(1,2,3-cd)pyrene	2.66J	500	377.	75	500	363.	73	4	40-140	30
Dibenz(a,h)anthracene	ND	500	366.	73	500	352.	70	4	40-140	30
Benzo(g,h,i)perylene	2.40J	500	397.	79	500	381.	76	4	40-140	30

Method Blank Summary
Form 4

Client	: Anchor QEA, LLC	**Lab Number**	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	**Project Number**	: E50593-01.01
Lab Sample ID	: WG923129-1	**Lab File ID**	: F508171615
Instrument ID	: PAH5	**Extraction Date**	: 08/16/16
Matrix	: WATER	**Analysis Date**	: 08/17/16 21:03
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG923129-2LCS	WG923129-2	08/17/16 21:38
WG923129-3LCSD	WG923129-3	08/17/16 22:12
EB 20160811	L1625236-01	08/17/16 22:47
SW1A-20160810	L1625236-02	08/17/16 23:21
SW1B-20160810	L1625236-03	08/17/16 23:55
SW1B-20160810MS	WG923129-4	08/18/16 00:29
SW1B-20160810MSD	WG923129-5	08/18/16 01:04
SW1C-20160810	L1625236-04	08/18/16 01:38
SW2A-20160810	L1625236-05	08/18/16 02:12
SW2B-20160810	L1625236-06	08/18/16 02:47
SW2C-20160810	L1625236-07	08/18/16 03:21
SW3A-20160810	L1625236-08	08/18/16 03:55
SW3B-20160810	L1625236-09	08/18/16 04:29
SW3C-20160810	L1625236-10	08/18/16 05:03
DUP-20160810	L1625236-11	08/18/16 05:37

Instrument Performance Check
Decafluorotriphenylphosphine (DFTPP)
Form 5

Client	: Anchor QEA, LLC	**Lab Number**	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: PAH5	**Analysis Date**	: 08/17/16 14:13
Tune Standard	: R893112-1	**Tune File ID**	: F508171603_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	28.6
68	Less than 2.0% of mass 69	0 (0)1
70	Less than 2.0% of mass 69	0.2 (.6)1
127	10.0 - 80.0% of Base Peak	48.9
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	27.9
365	Greater than 1.0% of mass 198	2.8
441	Present, but less than 24% of mass 442	16.5
442	Base Peak, or >50% of mass 198	88.7
443	15.0 - 24.0% of mass 442	16.9 (19.1)2

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

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD 10	R893112-2	F508171604	08/17/16 14:45
STD 20	R893112-4	F508171605	08/17/16 15:20
STD 100	R893112-5	F508171606	08/17/16 15:56
STD 200	R893112-6	F508171607	08/17/16 16:31
STD 500	R893112-3	F508171608	08/17/16 17:07
STD 1000	R893112-7	F508171609	08/17/16 17:43
STD 2000	R893112-8	F508171610	08/17/16 18:19
STD 5000	R893112-9	F508171611	08/17/16 18:54
ICV Quant Report	R893112-10	F508171612	08/17/16 19:29

Instrument Performance Check
Decafluorotriphenylphosphine (DFTPP)
Form 5

Client	: Anchor QEA, LLC	**Lab Number**	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: PAH5	**Analysis Date**	: 08/17/16 19:56
Tune Standard	: WG923957-1	**Tune File ID**	: F508171613_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	29.1
68	Less than 2.0% of mass 69	0 (0)1
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	49.7
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 60.0% of Base Peak	28.3
365	Greater than 1.0% of mass 198	2.8
441	Present, but less than 24% of mass 442	16.8
442	Base Peak, or >50% of mass 198	91.6
443	15.0 - 24.0% of mass 442	17.9 (19.5)2

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

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG923957-3CCAL	WG923957-3	F508171614	08/17/16 20:28
WG923129-1BLANK	WG923129-1	F508171615	08/17/16 21:03
WG923129-2LCS	WG923129-2	F508171616	08/17/16 21:38
WG923129-3LCSD	WG923129-3	F508171617	08/17/16 22:12
EB 20160811	L1625236-01	F508171618	08/17/16 22:47
SW1A-20160810	L1625236-02	F508171619	08/17/16 23:21
SW1B-20160810	L1625236-03	F508171620	08/17/16 23:55
WG923129-4MS	WG923129-4	F508171621	08/18/16 00:29
WG923129-5MSD	WG923129-5	F508171622	08/18/16 01:04
SW1C-20160810	L1625236-04	F508171623	08/18/16 01:38
SW2A-20160810	L1625236-05	F508171624	08/18/16 02:12
SW2B-20160810	L1625236-06	F508171625	08/18/16 02:47
SW2C-20160810	L1625236-07	F508171626	08/18/16 03:21
SW3A-20160810	L1625236-08	F508171627	08/18/16 03:55
SW3B-20160810	L1625236-09	F508171628	08/18/16 04:29
SW3C-20160810	L1625236-10	F508171629	08/18/16 05:03
DUP-20160810	L1625236-11	F508171630	08/18/16 05:37

Initial Calibration Summary
Form 6

Client	**: Anchor QEA, LLC**	**Lab Number**	**: L1625236**
Project Name	**: FORMER GLENS FALLS OU-2**	**Project Number**	**: E50593-01.01**
Instrument ID	**: PAH5**	**Ical Ref**	**: ICAL12780**
Calibration dates	**: 08/17/16 14:45 08/17/16 18:54**		

Calibration Files
10 =F508171604.D 20 =F508171605.D 100 =F508171606.D 200 =F508171607.D 500 =F508171608.D
1000=F508171609.D 2000=F508171610.D 5000=F508171611.D

		Compound	10	20	100	200	500	1000	2000	5000	Avg	%RSD
1)	i	Naphthalene-d8	----------ISTD----------									
2)	t	Naphthalene	1.085	1.014	1.028	1.196	0.994	0.998	1.007	1.109	1.054	6.74
3)	t	1,4-Dichlorobenzene	0.528	0.480	0.487	0.578	0.490	0.499	0.490		0.508	6.82
4)	s	2-Methylnaphthalene-d10	0.593	0.556	0.577	0.655	0.546	0.548	0.559	0.607	0.580	6.40
5)	t	2-Methylnaphthalene	0.608	0.576	0.657	0.687	0.579	0.579	0.646	0.711	0.630	8.35
6)	t	1-Methylnaphthalene	0.689	0.642	0.652	0.772	0.640	0.645	0.641	0.704	0.673	6.95
7)	i	Acenaphthene-d10	----------ISTD----------									
8)	t	Dibenzothiophene	2.400	2.285	2.274	2.754	2.324	2.335	2.251		2.375	7.34
9)		2-Chloronaphthalene	1.581	1.463	1.483	1.779	1.515	1.513	1.502		1.548	7.01
10)	t	Biphenyl	1.947	1.730	1.665	1.986	1.665	1.653	1.588		1.748	8.89
11)	t	2,6-Dimethylnaphthalene	1.215	1.166	1.173	1.387	1.182	1.168	1.157		1.207	6.76
12)	t	Acenaphthylene	2.294	2.146	2.170	2.614	2.218	2.238	2.190		2.267	7.07
13)	t	Acenaphthene	1.455	1.316	1.316	1.598	1.320	1.324	1.276		1.372	8.33
14)	t	Dibenzofuran	2.072	1.933	1.941	2.325	1.942	1.930	1.878		2.003	7.68
15)	t	Fluorene	1.579	1.488	1.503	1.817	1.514	1.519	1.470		1.556	7.73
16)	t	2,3,5-Trimethylnaphthalen	1.114	1.044	1.029	1.255	1.046	1.057	1.032		1.082	7.49
17)	i	Phenanthrene-d10	----------ISTD----------									
18)	s	Fluoranthene-d10	1.028	0.942	0.906	1.123	0.927	0.950	0.891	0.955	0.965	7.85
19)	t	Phenanthrene	1.230	1.139	1.128	1.349	1.116	1.108	1.056		1.161	8.44
20)	t	Anthracene	1.159	1.070	1.061	1.302	1.086	1.086	1.037		1.114	8.17
21)	t	Carbazole	1.140	1.055	1.066	1.295	1.072	1.083	1.046		1.108	7.93
22)	t	1-Methylphenanthrene	0.840	0.772	0.791	0.950	0.800	0.810	0.782		0.821	7.45
23)	t	Fluoranthene	1.292	1.195	1.210	1.499	1.246	1.257	1.182		1.269	8.56
24)	i	Chrysene-d12	----------ISTD----------									
25)	s	Pyrene-d10	0.905	0.840	0.852	0.996	0.842	0.840	0.823	0.925	0.878	6.76
26)	t	Pyrene	1.393	1.323	1.313	1.578	1.332	1.325	1.247		1.359	7.76
27)	t	Benz[a]anthracene	1.389	1.236	1.138	1.368	1.157	1.184	1.118		1.227	8.97
28)	t	Chrysene	1.182	1.136	1.119	1.356	1.124	1.138	1.056		1.159	8.18
29)	i	Perylene-d12	----------ISTD----------									
30)	s	Benzo(a)pyrene-d12	0.872	0.799	0.754	0.940	0.767	0.795	0.747	0.829	0.813	8.11
31)	s	Benzo[b]fluoranthene-d12	0.924	0.853	0.844	0.993	0.827	0.840	0.815	0.898	0.874	6.91
32)	t	Benzo[b]fluoranthene	1.293	1.308	1.285	1.603	1.314	1.275	1.236		1.331	9.23
33)	t	Benzo[k]fluoranthene	1.215	1.038	1.028	1.264	1.073	1.146	1.010		1.111	8.93
34)	t	Benzo[e]pyrene	1.207	1.132	1.134	1.373	1.138	1.155	1.091		1.176	7.97
35)	t	Benzo[a]pyrene	1.215	1.130	1.052	1.383	1.156	1.183	1.039		1.165	9.92
36)	t	Perylene	1.240	1.152	1.217	1.455	1.200	1.215	1.138		1.231	8.55
37)	t	Indeno[1,2,3-cd]pyrene	1.302	1.214	1.196	1.436	1.189	1.184	1.148		1.238	8.02
38)	t	Dibenz[a,h]anthracene	1.285	1.167	1.175	1.421	1.172	1.209	1.142		1.224	8.00
39)	t	Benzo[g,h,i]perylene	1.336	1.242	1.202	1.457	1.212	1.235	1.174		1.266	7.80

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	Lab Number	: L1625236	
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01	
Instrument ID	: PAH5	Calibration Date	: 08/17/16 20:28	
Lab File ID	: F508171614	Init. Calib. Date(s)	: 08/17/16	08/17/16
Sample No	: WG923957-3	Init. Calib. Times	: 14:45	18:54
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Naphthalene-d8	1	1	.01	0	20	103	0
Naphthalene	1.054	1.008	.01	4.4	20	104	0
1,4-Dichlorobenzene	0.508	0.502	.01	1.2	20	105	0
2-Methylnaphthalene-d10	0.58	0.541	.01	6.7	20	102	0
2-Methylnaphthalene	0.63	0.574	.01	8.9	20	102	0
1-Methylnaphthalene	0.673	0.638	.01	5.2	20	102	0
Acenaphthene-d10	1	1	.01	0	20	103	0
Dibenzothiophene	2.375	2.293	.01	3.5	20	102	0
2-Chloronaphthalene	1.548	1.492	.01	3.6	20	102	0
Biphenyl	1.748	1.649	.01	5.7	20	102	0
2,6-Dimethylnaphthalene	1.207	1.157	.01	4.1	20	101	0
Acenaphthylene	2.267	2.17	.01	4.3	20	101	0
Acenaphthene	1.372	1.306	.01	4.8	20	102	0
Dibenzofuran	2.003	1.904	.01	4.9	20	101	0
Fluorene	1.556	1.493	.01	4	20	102	0
2,3,5-Trimethylnaphthalene	1.082	1.038	.01	4.1	20	102	0
Phenanthrene-d10	1	1	.01	0	20	102	0
Fluoranthene-d10	0.965	0.903	.01	6.4	20	99	0
Phenanthrene	1.161	1.114	.01	4	20	102	0
Anthracene	1.114	1.077	.01	3.3	20	101	0
Carbazole	1.108	1.05	.01	5.2	20	100	0
1-Methylphenanthrene	0.821	0.781	.01	4.9	20	99	0
Fluoranthene	1.269	1.226	.01	3.4	20	100	0
Chrysene-d12	1	1	.01	0	20	101	0
Pyrene-d10	0.878	0.822	.01	6.4	20	99	0
Pyrene	1.359	1.322	.01	2.7	20	100	0
Benz[a]anthracene	1.227	1.125	.01	8.3	20	98	0
Chrysene	1.159	1.109	.01	4.3	20	100	0
Perylene-d12	1	1	.01	0	20	98	0
Benzo(a)pyrene-d12	0.813	0.758	.01	6.8	20	97	0
Benzo[b]fluoranthene-d12	0.874	0.824	.01	5.7	20	98	0
Benzo[b]fluoranthene	1.331	1.287	.01	3.3	20	96	0
Benzo[k]fluoranthene	1.111	1.11	.01	0.1	20	101	0
Benzo[e]pyrene	1.176	1.139	.01	3.1	20	98	0
Benzo[a]pyrene	1.165	1.158	.01	0.6	20	98	0
Perylene	1.231	1.211	.01	1.6	20	99	0
Indeno[1,2,3-cd]pyrene	1.238	1.121	.01	9.5	20	92	0
Dibenz[a,h]anthracene	1.224	1.158	.01	5.4	20	97	0
Benzo[g,h,i]perylene	1.266	1.19	.01	6	20	96	0

* Value outside of QC limits.

Internal Standard Area and RT Summary
Form 8

Client	: Anchor QEA, LLC	**Lab Number**	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: PAH5	**Analysis Date**	: 08/17/16 20:28
Sample No	: WG923957-3	**Lab File ID**	: F508171614

	Naphthalene-d8		Acenaphthene-d10		Phenanthrene-d10	
	Area	RT	Area	RT	Area	RT
WG923957-3	127903	7.95	63521	9.68	127222	11.12
Upper Limit	255806	8.45	127042	10.18	254444	11.62
Lower Limit	63952	7.45	31761	9.18	63611	10.62
Sample ID						
WG923129-1 BLANK	131495	7.95	64174	9.68	125386	11.12
WG923129-2 LCS	122989	7.95	61280	9.68	120930	11.12
WG923129-3 LCSD	118560	7.95	59283	9.68	118559	11.12
EB 20160811	122949	7.95	60794	9.68	119319	11.12
SW1A-20160810	118316	7.94	58279	9.68	118082	11.12
SW1B-20160810	121601	7.95	60517	9.68	121079	11.12
SW1B-20160810 MS	131419	7.95	65151	9.68	125785	11.12
SW1B-20160810 MSD	123039	7.95	61459	9.68	124120	11.12
SW1C-20160810	124021	7.95	61142	9.68	121726	11.12
SW2A-20160810	126838	7.95	63441	9.68	125852	11.12
SW2B-20160810	132973	7.95	65626	9.68	129776	11.12
SW2C-20160810	132484	7.95	65739	9.68	129266	11.12
SW3A-20160810	133131	7.95	66108	9.68	132779	11.12
SW3B-20160810	122621	7.95	60881	9.68	121088	11.12
SW3C-20160810	130916	7.95	65071	9.68	133846	11.12
DUP-20160810	126137	7.94	62265	9.68	124805	11.12

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8

Client	: Anchor QEA, LLC	**Lab Number**	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: PAH5	**Analysis Date**	: 08/17/16 20:28
Sample No	: WG923957-3	**Lab File ID**	: F508171614

	Chrysene-d12		Perylene-d12			
	Area	RT	Area	RT	Area	RT
WG923957-3	128657	14.39	124493	16.82		
Upper Limit	257314	14.89	248986	17.32		
Lower Limit	64329	13.89	62247	16.32		
Sample ID						
WG923129-1 BLANK	118652	14.39	115141	16.82		
WG923129-2 LCS	121547	14.39	118452	16.82		
WG923129-3 LCSD	119210	14.39	115738	16.82		
EB 20160811	117276	14.39	111995	16.82		
SW1A-20160810	121469	14.39	120891	16.82		
SW1B-20160810	125122	14.39	126699	16.81		
SW1B-20160810 MS	128381	14.39	127376	16.82		
SW1B-20160810 MSD	128511	14.39	128417	16.81		
SW1C-20160810	122567	14.39	122667	16.81		
SW2A-20160810	124535	14.39	122739	16.82		
SW2B-20160810	128190	14.39	125983	16.81		
SW2C-20160810	128170	14.39	126428	16.81		
SW3A-20160810	131732	14.39	130314	16.82		
SW3B-20160810	121710	14.39	120032	16.81		
SW3C-20160810	137656	14.39	137646	16.81		
DUP-20160810	128015	14.39	128705	16.81		

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Form 1
VOA

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-01	Date Collected	: 08/11/16 10:00
Client ID	: EB 20160811	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 10:32
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160818A06	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U

Form 1
VOA

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-01	Date Collected	: 08/11/16 10:00
Client ID	: EB 20160811	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 10:32
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160818A06	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	5.0	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	10	0.15	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
VOA

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-02	Date Collected	: 08/10/16 11:05
Client ID	: SW1A-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 11:28
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160818A08	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U

Form 1
VOA

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-02	Date Collected	: 08/10/16 11:05
Client ID	: SW1A-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 11:28
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160818A08	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	10	0.15	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
VOA

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-03	Date Collected	: 08/10/16 10:55
Client ID	: SW1B-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 11:56
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160818A09	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U

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Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-03	Date Collected	: 08/10/16 10:55
Client ID	: SW1B-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 11:56
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160818A09	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	10	0.15	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
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Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-04	Date Collected	: 08/10/16 10:40
Client ID	: SW1C-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 12:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160818A10	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U

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Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-04	Date Collected	: 08/10/16 10:40
Client ID	: SW1C-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 12:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160818A10	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	1.7	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	10	0.15	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

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Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-05	Date Collected	: 08/10/16 10:00
Client ID	: SW2A-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 12:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160818A11	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U

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Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-05	Date Collected	: 08/10/16 10:00
Client ID	: SW2A-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 12:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160818A11	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	10	0.15	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
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Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-06	Date Collected	: 08/10/16 09:50
Client ID	: SW2B-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 13:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160818A12	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	0.17	0.75	0.16	J
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U

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Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-06	Date Collected	: 08/10/16 09:50
Client ID	: SW2B-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 13:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160818A12	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	10	0.15	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
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Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-07	Date Collected	: 08/10/16 09:45
Client ID	: SW2C-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 13:49
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160818A13	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U

Form 1
VOA

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-07	Date Collected	: 08/10/16 09:45
Client ID	: SW2C-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 13:49
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160818A13	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	10	0.15	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
VOA

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-08	Date Collected	: 08/10/16 12:35
Client ID	: SW3A-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 14:17
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160818A14	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U

Form 1
VOA

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-08	Date Collected	: 08/10/16 12:35
Client ID	: SW3A-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 14:17
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160818A14	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	10	0.15	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
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Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-09	Date Collected	: 08/10/16 12:28
Client ID	: SW3B-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 14:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160818A15	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U

Form 1
VOA

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-09	Date Collected	: 08/10/16 12:28
Client ID	: SW3B-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 14:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160818A15	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	10	0.15	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
VOA

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-10	Date Collected	: 08/10/16 12:23
Client ID	: SW3C-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 15:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160818A16	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U

Form 1
VOA

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-10	Date Collected	: 08/10/16 12:23
Client ID	: SW3C-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 15:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160818A16	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	10	0.15	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
VOA

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-11	Date Collected	: 08/10/16 00:00
Client ID	: DUP-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 15:42
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160818A17	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	0.16	0.75	0.16	J
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U

Form 1
VOA

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-11	Date Collected	: 08/10/16 00:00
Client ID	: DUP-20160810	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 15:42
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160818A17	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	10	0.15	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
VOA

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-12	Date Collected	: 08/11/16 00:00
Client ID	: TRIP BLANK-20160811	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 11:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160818A07	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	0.19	2.5	0.18	J
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U

Form 1
VOA

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: L1625236-12	Date Collected	: 08/11/16 00:00
Client ID	: TRIP BLANK-20160811	Date Received	: 08/11/16
Sample Location	: GLENS FALLS, NY	Date Analyzed	: 08/18/16 11:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160818A07	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	2.3	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	10	0.15	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 1
VOA

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: WG923932-5	Date Collected	: NA
Client ID	: WG923932-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 08/18/16 10:04
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160818A05	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	3.0	0.29	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.16	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.8	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	0.14	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.75	0.16	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.18	U
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U
79-01-6	Trichloroethene	ND	0.50	0.18	U

Form 1
VOA

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Lab ID	: WG923932-5	Date Collected	: NA
Client ID	: WG923932-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 08/18/16 10:04
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V01160818A05	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.16	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	0.31	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.14	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.33	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.22	U
79-20-9	Methyl Acetate	ND	10	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
76-13-1	Freon-113	ND	10	0.15	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Form 2
Surrogate Recovery
VOLATILES

Client: Anchor QEA, LLC
Project Name: FORMER GLENS FALLS OU-2

Lab Number: L1625236
Project Number: E50593-01.01
Matrix:

CLIENT ID (LAB SAMPLE NO.)	SMC1 TOL	SMC2 BFB	SMC3 DCA	SMC4 DBFM	TOT OUT
DUP-20160810 (L1625236-11)	105	111	94	96	0
EB 20160811 (L1625236-01)	104	111	89	95	0
WG923932-4LCSD	104	109	87	93	0
WG923932-3LCS	103	111	85	92	0
WG923932-5BLANK	104	111	88	95	0
SW1B-20160810MS	102	108	95	97	0
SW1B-20160810MSD	102	108	94	97	0
SW1A-20160810 (L1625236-02)	104	109	90	95	0
SW1B-20160810 (L1625236-03)	104	110	90	93	0
SW1C-20160810 (L1625236-04)	103	110	91	96	0
SW2A-20160810 (L1625236-05)	103	109	90	94	0
SW2B-20160810 (L1625236-06)	104	110	92	94	0
SW2C-20160810 (L1625236-07)	103	110	93	94	0
SW3A-20160810 (L1625236-08)	103	111	93	95	0
SW3B-20160810 (L1625236-09)	103	110	96	97	0
SW3C-20160810 (L1625236-10)	104	112	92	95	0
TRIP BLANK-20160811 (L1625236-12)	103	110	91	94	0

	QC LIMITS
TOL = TOLUENE-D8	(70-130)
BFB = 4-BROMOFLUOROBENZENE	(70-130)
DCA = 1,2-DICHLOROETHANE-D4	(70-130)
DBFM = DIBROMOFLUOROMETHANE)	(70-130)

*** Values outside of QC limits**

FORM II 8260

Laboratory Control Sample
Form 3

Client	: Anchor QEA, LLC	**Lab Number**	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	**Project Number**	: E50593-01.01
Matrix	: WATER		
LCS Sample ID	: WG923932-3 **Analysis Date :** 08/18/16 08:40	**File ID**	: V01160818A02
LCSD Sample ID	: WG923932-4 **Analysis Date :** 08/18/16 09:08	**File ID**	: V01160818A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	9.3	93	10	9.1	91	2	70-130	20
1,1-Dichloroethane	10	9.9	99	10	9.8	98	1	70-130	20
Chloroform	10	9.6	96	10	9.4	94	2	70-130	20
Carbon tetrachloride	10	9.3	93	10	9.1	91	2	63-132	20
1,2-Dichloropropane	10	9.4	94	10	9.2	92	2	70-130	20
Dibromochloromethane	10	8.4	84	10	8.0	80	5	63-130	20
1,1,2-Trichloroethane	10	8.3	83	10	8.0	80	4	70-130	20
2-Chloroethylvinyl ether	10	7.6	76	10	7.5	75	1	70-130	20
Tetrachloroethene	10	9.3	93	10	9.4	94	1	70-130	20
Chlorobenzene	10	9.3	93	10	9.2	92	1	75-130	25
Trichlorofluoromethane	10	9.6	96	10	9.5	95	1	62-150	20
1,2-Dichloroethane	10	8.7	87	10	8.6	86	1	70-130	20
1,1,1-Trichloroethane	10	9.7	97	10	9.6	96	1	67-130	20
Bromodichloromethane	10	8.9	89	10	8.9	89	0	67-130	20
trans-1,3-Dichloropropene	10	8.6	86	10	8.3	83	4	70-130	20
cis-1,3-Dichloropropene	10	8.9	89	10	8.7	87	2	70-130	20
1,1-Dichloropropene	10	9.6	96	10	9.5	95	1	70-130	20
Bromoform	10	8.3	83	10	7.7	77	8	54-136	20
1,1,2,2-Tetrachloroethane	10	8.4	84	10	8.4	84	0	67-130	20
Benzene	10	9.7	97	10	9.5	95	2	70-130	25
Toluene	10	9.8	98	10	9.7	97	1	70-130	25
Ethylbenzene	10	9.6	96	10	9.4	94	2	70-130	20
Chloromethane	10	8.9	89	10	8.9	89	0	64-130	20
Bromomethane	10	8.8	88	10	8.6	86	2	39-139	20
Vinyl chloride	10	9.7	97	10	9.6	96	1	55-140	20
Chloroethane	10	9.1	91	10	8.8	88	3	55-138	20
1,1-Dichloroethene	10	9.4	94	10	9.3	93	1	61-145	25
trans-1,2-Dichloroethene	10	9.8	98	10	9.5	95	3	70-130	20

Laboratory Control Sample
Form 3

Client	: Anchor QEA, LLC	**Lab Number**	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	**Project Number**	: E50593-01.01
Matrix	: WATER		
LCS Sample ID	: WG923932-3 **Analysis Date :** 08/18/16 08:40	**File ID**	: V01160818A02
LCSD Sample ID	: WG923932-4 **Analysis Date :** 08/18/16 09:08	**File ID**	: V01160818A03

	Laboratory Control Sample				Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R		True (ug/l)	Found (ug/l)	%R		RPD	Recovery Limits	RPD Limit
Trichloroethene	10	9.3	93		10	9.2	92		1	70-130	25
1,2-Dichlorobenzene	10	9.0	90		10	8.9	89		1	70-130	20
1,3-Dichlorobenzene	10	9.5	95		10	9.4	94		1	70-130	20
1,4-Dichlorobenzene	10	9.4	94		10	9.1	91		3	70-130	20
Methyl tert butyl ether	10	7.5	75		10	7.4	74		1	63-130	20
p/m-Xylene	20	18.	90		20	18.	90		0	70-130	20
o-Xylene	20	18.	90		20	17.	85		6	70-130	20
cis-1,2-Dichloroethene	10	9.6	96		10	9.5	95		1	70-130	20
Dibromomethane	10	8.2	82		10	8.1	81		1	70-130	20
1,4-Dichlorobutane	10	9.0	90		10	8.8	88		2	70-130	20
Iodomethane	10	6.8	68	Q	10	6.9	69	Q	1	70-130	20
1,2,3-Trichloropropane	10	8.6	86		10	8.5	85		1	64-130	20
Styrene	20	17.	85		20	17.	85		0	70-130	20
Dichlorodifluoromethane	10	7.8	78		10	7.6	76		3	36-147	20
Acetone	10	9.0	90		10	8.7	87		3	58-148	20
Carbon disulfide	10	9.2	92		10	9.0	90		2	51-130	20
2-Butanone	10	9.1	91		10	8.5	85		7	63-138	20
Vinyl acetate	10	8.2	82		10	7.9	79		4	70-130	20
4-Methyl-2-pentanone	10	6.7	67		10	6.8	68		1	59-130	20
2-Hexanone	10	7.9	79		10	7.1	71		11	57-130	20
Ethyl methacrylate	10	7.7	77		10	7.3	73		5	70-130	20
Acrolein	10	8.1	81		10	7.6	76		6	70-130	20
Acrylonitrile	10	8.1	81		10	7.7	77		5	70-130	20
Bromochloromethane	10	8.9	89		10	8.9	89		0	70-130	20
Tetrahydrofuran	10	7.8	78		10	7.5	75		4	58-130	20
2,2-Dichloropropane	10	11.	110		10	11.	110		0	63-133	20
1,2-Dibromoethane	10	8.3	83		10	8.0	80		4	70-130	20
1,3-Dichloropropane	10	8.6	86		10	8.4	84		2	70-130	20

Laboratory Control Sample
Form 3

Client	: Anchor QEA, LLC	**Lab Number**	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	**Project Number**	: E50593-01.01
Matrix	: WATER		
LCS Sample ID	: WG923932-3 **Analysis Date :** 08/18/16 08:40	**File ID**	: V01160818A02
LCSD Sample ID	: WG923932-4 **Analysis Date :** 08/18/16 09:08	**File ID**	: V01160818A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
1,1,1,2-Tetrachloroethane	10	8.7	87	10	8.5	85	2	64-130	20
Bromobenzene	10	9.7	97	10	9.5	95	2	70-130	20
n-Butylbenzene	10	10.	100	10	9.9	99	1	53-136	20
sec-Butylbenzene	10	10.	100	10	9.8	98	2	70-130	20
tert-Butylbenzene	10	10.	100	10	10.	100	0	70-130	20
o-Chlorotoluene	10	10.	100	10	10.	100	0	70-130	20
p-Chlorotoluene	10	10.	100	10	10.	100	0	70-130	20
1,2-Dibromo-3-chloropropane	10	7.5	75	10	6.9	69	8	41-144	20
Hexachlorobutadiene	10	11.	110	10	11.	110	0	63-130	20
Isopropylbenzene	10	10.	100	10	10.	100	0	70-130	20
p-Isopropyltoluene	10	10.	100	10	9.7	97	3	70-130	20
Naphthalene	10	5.3	53 Q	10	6.6	66 Q	22 Q	70-130	20
n-Propylbenzene	10	10.	100	10	10.	100	0	69-130	20
1,2,3-Trichlorobenzene	10	5.0	50 Q	10	6.8	68 Q	31 Q	70-130	20
1,2,4-Trichlorobenzene	10	7.1	71	10	7.7	77	8	70-130	20
1,3,5-Trimethylbenzene	10	10.	100	10	9.9	99	1	64-130	20
1,3,5-Trichlorobenzene	10	9.0	90	10	9.2	92	2	70-130	20
1,2,4-Trimethylbenzene	10	10.	100	10	9.8	98	2	70-130	20
trans-1,4-Dichloro-2-butene	10	8.3	83	10	8.1	81	2	70-130	20
Halothane	10	9.5	95	10	9.1	91	4	70-130	20
Ethyl ether	10	7.9	79	10	7.9	79	0	59-134	20
Methyl Acetate	10	7.7	77	10	7.2	72	7	70-130	20
Ethyl Acetate	10	7.6	76	10	7.4	74	3	70-130	20
Isopropyl Ether	10	8.8	88	10	8.7	87	1	70-130	20
Cyclohexane	10	9.4	94	10	9.2	92	2	70-130	20
Tert-Butyl Alcohol	50	59.	118	50	58.	116	2	70-130	20
Ethyl-Tert-Butyl-Ether	10	7.8	78	10	7.7	77	1	70-130	20
Tertiary-Amyl Methyl Ether	10	7.4	74	10	7.3	73	1	66-130	20

Laboratory Control Sample
Form 3

Client	: Anchor QEA, LLC			**Lab Number**	: L1625236
Project Name	: FORMER GLENS FALLS OU-2			**Project Number**	: E50593-01.01
Matrix	: WATER				
LCS Sample ID	: WG923932-3	**Analysis Date :**	08/18/16 08:40	**File ID**	: V01160818A02
LCSD Sample ID	: WG923932-4	**Analysis Date :**	08/18/16 09:08	**File ID**	: V01160818A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
1,4-Dioxane	500	390	78	500	360	72	8	56-162	20
1,1,2-Trichloro-1,2,2-Trifluoroethane	10	9.4	94	10	9.0	90	4	70-130	20
Methyl cyclohexane	10	8.8	88	10	8.6	86	2	70-130	20
p-Diethylbenzene	10	9.9	99	10	9.6	96	3	70-130	20
4-Ethyltoluene	10	10.	100	10	10.	100	0	70-130	20
1,2,4,5-Tetramethylbenzene	10	9.2	92	10	9.3	93	1	70-130	20

Matrix Spike
Form 3

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Client Sample ID	: SW1B-20160810	Matrix	: WATER
Lab Sample ID	: L1625236-03	Analysis Date	: 08/18/16 11:56
Matrix Spike	: WG923932-6	MS Analysis Date	: 08/18/16 16:10
Matrix Spike Dup	: WG923932-7	MSD Analysis Date	: 08/18/16 16:39

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	ND	10	10.	100	10	10.	100	0	70-130	20
1,1-Dichloroethane	ND	10	11.	110	10	11.	110	0	70-130	20
Chloroform	ND	10	11.	110	10	11.	110	0	70-130	20
Carbon tetrachloride	ND	10	11.	110	10	11.	110	0	63-132	20
1,2-Dichloropropane	ND	10	11.	110	10	11.	110	0	70-130	20
Dibromochloromethane	ND	10	9.7	97	10	9.6	96	1	63-130	20
1,1,2-Trichloroethane	ND	10	10.	100	10	10.	100	0	70-130	20
Tetrachloroethene	ND	10	11.	110	10	10.	100	10	70-130	20
Chlorobenzene	ND	10	10.	100	10	10.	100	0	75-130	25
Trichlorofluoromethane	ND	10	11.	110	10	11.	110	0	62-150	20
1,2-Dichloroethane	ND	10	10.	100	10	10.	100	0	70-130	20
1,1,1-Trichloroethane	ND	10	11.	110	10	11.	110	0	67-130	20
Bromodichloromethane	ND	10	10.	100	10	10.	100	0	67-130	20
trans-1,3-Dichloropropene	ND	10	10.	100	10	10.	100	0	70-130	20
cis-1,3-Dichloropropene	ND	10	10.	100	10	10.	100	0	70-130	20
1,1-Dichloropropene	ND	10	11.	110	10	11.	110	0	70-130	20
Bromoform	ND	10	9.3	93	10	9.4	94	1	54-136	20
1,1,2,2-Tetrachloroethane	ND	10	11.	110	10	10.	100	10	67-130	20
Benzene	ND	10	11.	110	10	11.	110	0	70-130	25
Toluene	ND	10	11.	110	10	11.	110	0	70-130	25
Ethylbenzene	ND	10	10.	100	10	10.	100	0	70-130	20
Chloromethane	ND	10	9.9	99	10	10.	100	1	64-130	20
Bromomethane	ND	10	8.0	80	10	9.2	92	14	39-139	20
Vinyl chloride	ND	10	12.	120	10	12.	120	0	55-140	20

Matrix Spike
Form 3

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Client Sample ID	: SW1B-20160810	Matrix	: WATER
Lab Sample ID	: L1625236-03	Analysis Date	: 08/18/16 11:56
Matrix Spike	: WG923932-6	MS Analysis Date	: 08/18/16 16:10
Matrix Spike Dup	: WG923932-7	MSD Analysis Date	: 08/18/16 16:39

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Chloroethane	ND	10	12.	120	10	12.	120	0	55-138	20
1,1-Dichloroethene	ND	10	11.	110	10	11.	110	0	61-145	25
trans-1,2-Dichloroethene	ND	10	11.	110	10	11.	110	0	70-130	20
Trichloroethene	ND	10	10.	100	10	10.	100	0	70-130	25
1,2-Dichlorobenzene	ND	10	10.	100	10	10.	100	0	70-130	20
1,3-Dichlorobenzene	ND	10	10.	100	10	10.	100	0	70-130	20
1,4-Dichlorobenzene	ND	10	10.	100	10	10.	100	0	70-130	20
Methyl tert butyl ether	ND	10	9.9	99	10	9.8	98	1	63-130	20
p/m-Xylene	ND	20	20.	100	20	20.	100	0	70-130	20
o-Xylene	ND	20	20.	100	20	20.	100	0	70-130	20
cis-1,2-Dichloroethene	ND	10	11.	110	10	11.	110	0	70-130	20
Dibromomethane	ND	10	10.	100	10	10.	100	0	70-130	20
1,4-Dichlorobutane	ND	10	11.	110	10	11.	110	0	70-130	20
Iodomethane	ND	10	7.9	79	10	8.1	81	2	70-130	20
1,2,3-Trichloropropane	ND	10	9.1	91	10	9.5	95	4	64-130	20
Styrene	ND	20	19.	95	20	19.	95	0	70-130	20
Dichlorodifluoromethane	ND	10	8.8	88	10	8.8	88	0	36-147	20
Acetone	ND	10	12.	120	10	11.	110	9	58-148	20
Carbon disulfide	ND	10	10.	100	10	10.	100	0	51-130	20
2-Butanone	ND	10	10.	100	10	10.	100	0	63-138	20
Vinyl acetate	ND	10	10.	100	10	9.9	99	1	70-130	20
4-Methyl-2-pentanone	ND	10	9.3	93	10	9.4	94	1	59-130	20
2-Hexanone	ND	10	10.	100	10	9.4	94	6	57-130	20
Ethyl methacrylate	ND	10	10.	100	10	10.	100	0	70-130	20

Matrix Spike
Form 3

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Client Sample ID	: SW1B-20160810	Matrix	: WATER
Lab Sample ID	: L1625236-03	Analysis Date	: 08/18/16 11:56
Matrix Spike	: WG923932-6	MS Analysis Date	: 08/18/16 16:10
Matrix Spike Dup	: WG923932-7	MSD Analysis Date	: 08/18/16 16:39

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Acrolein	ND	10	9.5	95	10	10.	100	5	70-130	20
Acrylonitrile	ND	10	9.8	98	10	10.	100	2	70-130	20
Bromochloromethane	ND	10	10.	100	10	10.	100	0	70-130	20
Tetrahydrofuran	ND	10	10.	100	10	10.	100	0	58-130	20
2,2-Dichloropropane	ND	10	12.	120	10	12.	120	0	63-133	20
1,2-Dibromoethane	ND	10	10.	100	10	9.9	99	1	70-130	20
1,3-Dichloropropane	ND	10	10.	100	10	10.	100	0	70-130	20
1,1,1,2-Tetrachloroethane	ND	10	9.9	99	10	10.	100	1	64-130	20
Bromobenzene	ND	10	10.	100	10	10.	100	0	70-130	20
n-Butylbenzene	ND	10	10.	100	10	10.	100	0	53-136	20
sec-Butylbenzene	ND	10	10.	100	10	10.	100	0	70-130	20
tert-Butylbenzene	ND	10	11.	110	10	10.	100	10	70-130	20
o-Chlorotoluene	ND	10	8.7	87	10	8.6	86	1	70-130	20
p-Chlorotoluene	ND	10	11.	110	10	11.	110	0	70-130	20
1,2-Dibromo-3-chloropropane	ND	10	10.	100	10	9.6	96	4	41-144	20
Hexachlorobutadiene	ND	10	9.7	97	10	11.	110	13	63-130	20
Isopropylbenzene	ND	10	11.	110	10	11.	110	0	70-130	20
p-Isopropyltoluene	ND	10	10.	100	10	10.	100	0	70-130	20
Naphthalene	ND	10	10.	100	10	11.	110	10	70-130	20
n-Propylbenzene	ND	10	11.	110	10	11.	110	0	69-130	20
1,2,3-Trichlorobenzene	ND	10	10.	100	10	12.	120	18	70-130	20
1,2,4-Trichlorobenzene	ND	10	10.	100	10	11.	110	10	70-130	20
1,3,5-Trimethylbenzene	ND	10	10.	100	10	10.	100	0	64-130	20
1,3,5-Trichlorobenzene	ND	10	10.	100	10	10.	100	0	70-130	20

Matrix Spike
Form 3

Client	: Anchor QEA, LLC	Lab Number	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01
Client Sample ID	: SW1B-20160810	Matrix	: WATER
Lab Sample ID	: L1625236-03	Analysis Date	: 08/18/16 11:56
Matrix Spike	: WG923932-6	MS Analysis Date	: 08/18/16 16:10
Matrix Spike Dup	: WG923932-7	MSD Analysis Date	: 08/18/16 16:39

		Matrix Spike Sample				Matrix Spike Duplicate						
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		Spike Added (ug/l)	Spike Conc. (ug/l)	%R		RPD		Recovery Limits	RPD Limit
1,2,4-Trimethylbenzene	ND	10	11.	110		10	10.	100		10		70-130	20
trans-1,4-Dichloro-2-butene	ND	10	8.7	87		10	9.4	94		8		70-130	20
Halothane	ND	10	10.	100		10	11.	110		10		70-130	30
Ethyl ether	ND	10	9.8	98		10	9.7	97		1		59-134	20
Methyl Acetate	ND	10	9.2J	92		10	9.2J	92		0		70-130	20
Ethyl Acetate	ND	10	9.8J	98		10	9.6J	96		2		70-130	20
Isopropyl Ether	ND	10	11.	110		10	11.	110		0		70-130	20
Cyclohexane	ND	10	11.	110		10	11.	110		0		70-130	20
Tert-Butyl Alcohol	ND	50	57.	114		50	75.	150	Q	27	Q	70-130	20
Ethyl-Tert-Butyl-Ether	ND	10	9.9	99		10	9.9	99		0		70-130	20
Tertiary-Amyl Methyl Ether	ND	10	9.6	96		10	9.6	96		0		66-130	20
1,4-Dioxane	ND	500	170J	34	Q	500	430	86		87	Q	56-162	20
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	10.	100		10	10.	100		0		70-130	20
Methyl cyclohexane	ND	10	9.8J	98		10	10.	100		2		70-130	20
p-Diethylbenzene	ND	10	10.	100		10	10.	100		0		70-130	20
4-Ethyltoluene	ND	10	11.	110		10	11.	110		0		70-130	20
1,2,4,5-Tetramethylbenzene	ND	10	10.	100		10	10.	100		0		70-130	20

Method Blank Summary
Form 4

Client	: Anchor QEA, LLC	**Lab Number**	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	**Project Number**	: E50593-01.01
Lab Sample ID	: WG923932-5	**Lab File ID**	: V01160818A05
Instrument ID	: VOA101		
Matrix	: WATER	**Analysis Date**	: 08/18/16 10:04

Client Sample No.	Lab Sample ID	Analysis Date
WG923932-3LCS	WG923932-3	08/18/16 08:40
WG923932-4LCSD	WG923932-4	08/18/16 09:08
EB 20160811	L1625236-01	08/18/16 10:32
TRIP BLANK-20160811	L1625236-12	08/18/16 11:00
SW1A-20160810	L1625236-02	08/18/16 11:28
SW1B-20160810	L1625236-03	08/18/16 11:56
SW1C-20160810	L1625236-04	08/18/16 12:25
SW2A-20160810	L1625236-05	08/18/16 12:53
SW2B-20160810	L1625236-06	08/18/16 13:21
SW2C-20160810	L1625236-07	08/18/16 13:49
SW3A-20160810	L1625236-08	08/18/16 14:17
SW3B-20160810	L1625236-09	08/18/16 14:45
SW3C-20160810	L1625236-10	08/18/16 15:14
DUP-20160810	L1625236-11	08/18/16 15:42
SW1B-20160810MS	WG923932-6	08/18/16 16:10
SW1B-20160810MSD	WG923932-7	08/18/16 16:39

Instrument Performance Check
Bromofluorobenzene (BFB)
Form 5

Client	: Anchor QEA, LLC	**Lab Number**	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: VOA101	**Analysis Date**	: 08/09/16 11:59
Tune Standard	: WG921955-1	**Tune File ID**	: V01160809BF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	23.7
75	30.0 - 60.0% of mass 95	54.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.5 (.7)1
174	Greater than 50.0 of mass 95	73.4
175	5.0 - 9.0% of mass 174	5.3 (7.2)1
176	95.0 - 101% of mass 174	71.2 (97)1
177	5.0 - 9.0% of mass 176	4.7 (6.6)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STDL11	R891231-1	V01160809A02	08/09/16 14:43
STDL1	R891231-2	V01160809A04	08/09/16 15:40
STDL2	R891231-3	V01160809A06	08/09/16 16:37
STDL3	R891231-4	V01160809A07	08/09/16 17:06
STDL4	R891231-5	V01160809A08	08/09/16 17:34
STDL6	R891231-7	V01160809A09	08/09/16 18:03
STDL8	R891231-6	V01160809A10	08/09/16 18:32
STDL10	R891231-8	V01160809A11	08/09/16 19:00
ICV Quant Report	R891231-9	V01160809A17	08/09/16 21:50

Instrument Performance Check
Bromofluorobenzene (BFB)
Form 5

Client	: Anchor QEA, LLC	**Lab Number**	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: VOA101	**Analysis Date**	: 08/18/16 07:58
Tune Standard	: WG923932-1	**Tune File ID**	: V01160818BF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	26.2
75	30.0 - 60.0% of mass 95	58.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1 (1.4)1
174	Greater than 50.0 of mass 95	69.9
175	5.0 - 9.0% of mass 174	5 (7.2)1
176	95.0 - 101% of mass 174	66.9 (95.7)1
177	5.0 - 9.0% of mass 176	4.3 (6.4)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG923932-2CCAL	WG923932-2	V01160818A02	08/18/16 08:40
WG923932-3LCS	WG923932-3	V01160818A02	08/18/16 08:40
WG923932-4LCSD	WG923932-4	V01160818A03	08/18/16 09:08
WG923932-5BLANK	WG923932-5	V01160818A05	08/18/16 10:04
EB 20160811	L1625236-01	V01160818A06	08/18/16 10:32
TRIP BLANK-20160811	L1625236-12	V01160818A07	08/18/16 11:00
SW1A-20160810	L1625236-02	V01160818A08	08/18/16 11:28
SW1B-20160810	L1625236-03	V01160818A09	08/18/16 11:56
SW1C-20160810	L1625236-04	V01160818A10	08/18/16 12:25
SW2A-20160810	L1625236-05	V01160818A11	08/18/16 12:53
SW2B-20160810	L1625236-06	V01160818A12	08/18/16 13:21
SW2C-20160810	L1625236-07	V01160818A13	08/18/16 13:49
SW3A-20160810	L1625236-08	V01160818A14	08/18/16 14:17
SW3B-20160810	L1625236-09	V01160818A15	08/18/16 14:45
SW3C-20160810	L1625236-10	V01160818A16	08/18/16 15:14
DUP-20160810	L1625236-11	V01160818A17	08/18/16 15:42
WG923932-6MS	WG923932-6	V01160818A18	08/18/16 16:10
WG923932-7MSD	WG923932-7	V01160818A19	08/18/16 16:39

Initial Calibration Summary
Form 6

Client	**: Anchor QEA, LLC**	**Lab Number**	**: L1625236**
Project Name	**: FORMER GLENS FALLS OU-2**	**Project Number**	**: E50593-01.01**
Instrument ID	**: VOA101**	**Ical Ref**	**: ICAL12752**
Calibration dates	**: 08/09/16 14:43 08/09/16 19:00**		

Calibration Files
L11 =V01160809A02.d L1 =V01160809A04.d L2 =V01160809A06.d L3 =V01160809A07.d L4 =V01160809A08.d
L6 =V01160809A09.d L8 =V01160809A10.d L10 =V01160809A11.d

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	T	Dichlorodifluo		0.172	0.206	0.247	0.215	0.217	0.226	0.231	0.216	10.84
3)	T	Chloromethane		0.300	0.296	0.307	0.272	0.266	0.289	0.301	0.290	5.36
4)	C	Vinyl chloride	0.196	0.263	0.307	0.345	0.311	0.306	0.319	0.335	0.298	16.05
5)	T	Bromomethane		0.172	0.143	0.148	0.161	0.182	0.202	0.214	0.175	15.19
6)	T	Chloroethane		0.194	0.213	0.228	0.207	0.201	0.204	0.139	0.198	14.16
7)	T	Trichlorofluor		0.266	0.311	0.377	0.346	0.353	0.371	0.386	0.344	12.32
8)	T	Ethyl ether		0.082	0.094	0.099	0.092	0.090	0.095	0.098	0.093	6.17
10)	C	1,1-Dichloroet		0.166	0.185	0.213	0.194	0.195	0.210	0.228	0.199	10.30
11)	T	Carbon disulfide		0.686	0.631	0.698	0.650	0.678	0.738	0.815	0.699	8.78
12)	T	Freon-113		0.143	0.164	0.201	0.183	0.190	0.203	0.217	0.186	13.55
13)	T	Iodomethane		0.070	0.077	0.161	0.203	0.210	0.215	0.222	*L	0.9976
14)	T	Acrolein		0.002	0.012	0.016	0.016	0.016	0.017	0.017	*L	0.9997
15)	T	Methylene chlo		0.232	0.216	0.216	0.204	0.200	0.211	0.216	0.213	4.85
17)	T	Acetone		0.077	0.032	0.029	0.026	0.025	0.025	0.024	*L	0.9995
18)	T	trans-1,2-Dich		0.180	0.208	0.226	0.213	0.212	0.227	0.239	0.215	8.81
19)	T	Methyl acetate		0.070	0.070	0.071	0.069	0.070	0.074	0.075	0.071	3.39
20)	T	Methyl tert butyl ether		0.402	0.412	0.446	0.424	0.418	0.432	0.436	0.424	3.59
21)	T	tert-Butyl alc		0.011	0.008	0.004	0.004	0.004	0.005	0.005	*L	0.9940
22)	T	Diisopropyl ether		0.667	0.743	0.801	0.768	0.764	0.804	0.837	0.769	7.11
23)	T	1,1-Dichloroet		0.353	0.401	0.428	0.405	0.408	0.431	0.447	0.410	7.33
24)	T	Halothane		0.114	0.131	0.150	0.141	0.144	0.151	0.157	0.141	10.33
25)	T	Acrylonitrile		0.009	0.027	0.037	0.036	0.037	0.039	0.039	*L	0.9994
26)	T	Ethyl tert-but		0.551	0.579	0.627	0.606	0.609	0.638	0.656	0.609	5.84
27)	T	Vinyl acetate		0.269	0.309	0.399	0.391	0.399	0.416	0.417	0.371	15.69
28)	T	cis-1,2-Dichlo		0.196	0.223	0.235	0.226	0.226	0.238	0.247	0.227	7.06
29)	T	2,2-Dichloropr		0.279	0.328	0.353	0.326	0.310	0.324	0.332	0.322	7.01
30)	T	Bromochloromet		0.068	0.081	0.089	0.087	0.082	0.083	0.084	0.082	8.12
31)	T	Cyclohexane		0.311	0.372	0.449	0.419	0.445	0.467	0.493	0.422	14.72
32)	C	Chloroform		0.338	0.369	0.397	0.380	0.389	0.408	0.411	0.385	6.63
33)	T	Ethyl acetate		0.107	0.102	0.115	0.109	0.112	0.114	0.112	0.110	3.99
34)	T	Carbon tetrach		0.237	0.275	0.323	0.310	0.322	0.333	0.340	0.306	12.04
35)	T	Tetrahydrofuran		0.048	0.041	0.039	0.036	0.035	0.035	0.034	0.038	12.72
36)	S	Dibromofluoromethane	0.256	0.251	0.253	0.254	0.250	0.255	0.264	0.264	0.256	2.18
37)	T	1,1,1-Trichlor		0.305	0.347	0.383	0.364	0.371	0.383	0.389	0.363	8.10
39)	T	2-Butanone		0.078	0.050	0.046	0.041	0.036	0.036	0.035	*L	0.9979
40)	T	1,1-Dichloropr		0.231	0.276	0.312	0.294	0.303	0.312	0.317	0.292	10.39
41)	T	Benzene		0.751	0.832	0.888	0.850	0.869	0.903	0.946	0.863	7.15
42)	T	Tertiary-Amyl Methyl Ether		0.402	0.433	0.476	0.458	0.467	0.481	0.484	0.457	6.49
43)	S	1,2-Dichloroethane-d4	0.337	0.280	0.284	0.285	0.282	0.289	0.298	0.298	0.294	6.37

Initial Calibration Summary
Form 6

Client	**: Anchor QEA, LLC**	**Lab Number**	**: L1625236**
Project Name	**: FORMER GLENS FALLS OU-2**	**Project Number**	**: E50593-01.01**
Instrument ID	**: VOA101**	**Ical Ref**	**: ICAL12752**
Calibration dates	**: 08/09/16 14:43 08/09/16 19:00**		

Calibration Files
L11 =V01160809A02.d L1 =V01160809A04.d L2 =V01160809A06.d L3 =V01160809A07.d L4 =V01160809A08.d
L6 =V01160809A09.d L8 =V01160809A10.d L10 =V01160809A11.d

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
44)	T	1,2-Dichloroet		0.251	0.244	0.268	0.254	0.255	0.261	0.262	0.256	3.12
47)	T	Methyl cyclohe		0.287	0.302	0.363	0.344	0.366	0.383	0.414	0.351	12.66
48)	T	Trichloroethene		0.185	0.215	0.234	0.226	0.235	0.250	0.265	0.230	11.05
50)	T	Dibromomethane		0.085	0.087	0.097	0.094	0.094	0.096	0.097	0.093	5.22
51)	C	1,2-Dichloropr		0.181	0.197	0.215	0.204	0.205	0.212	0.218	0.205	6.19
53)	T	2-Chloroethyl		0.048	0.066	0.081	0.076	0.071	0.069	0.064	0.068	15.58
54)	T	Bromodichlorom		0.214	0.244	0.275	0.264	0.267	0.277	0.287	0.261	9.55
57)	T	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.001	17.68
58)	T	cis-1,3-Dichlo		0.257	0.271	0.312	0.302	0.302	0.310	0.320	0.296	7.80
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.370	1.399	1.370	1.375	1.361	1.322	1.308	1.280	1.348	2.97
61)	C	Toluene		0.683	0.715	0.804	0.754	0.783	0.804	0.820	0.766	6.69
62)	T	4-Methyl-2-pen		0.019	0.040	0.052	0.051	0.053	0.053	0.052	*L	0.9998
63)	T	Tetrachloroethene		0.249	0.276	0.310	0.291	0.300	0.301	0.303	0.290	7.27
65)	T	trans-1,3-Dich		0.274	0.298	0.356	0.347	0.355	0.364	0.364	0.337	10.63
67)	T	Ethyl methacry		0.143	0.190	0.236	0.236	0.246	0.250	0.247	0.221	18.17
68)	T	1,1,2-Trichlor		0.130	0.139	0.160	0.152	0.153	0.155	0.155	0.149	7.12
69)	T	Chlorodibromom		0.159	0.190	0.225	0.219	0.222	0.224	0.225	0.209	12.21
70)	T	1,3-Dichloropr		0.288	0.306	0.339	0.317	0.314	0.314	0.311	0.313	4.90
71)	T	1,2-Dibromoethane		0.135	0.157	0.171	0.162	0.164	0.162	0.160	0.159	7.08
72)	T	2-Hexanone		0.039	0.058	0.084	0.083	0.085	0.082	0.079	*L	0.9988
73)	T	Chlorobenzene		0.710	0.745	0.826	0.780	0.793	0.820	0.821	0.785	5.60
74)	C	Ethylbenzene		1.261	1.405	1.568	1.500	1.587	1.655	1.691	1.524	9.84
75)	T	1,1,1,2-Tetrac		0.210	0.246	0.271	0.263	0.274	0.281	0.285	0.261	10.02
76)	T	p/m Xylene		0.451	0.495	0.562	0.554	0.600	0.633	0.661	0.565	13.15
77)	T	o Xylene		0.417	0.474	0.534	0.532	0.571	0.597	0.626	0.536	13.43
78)	T	Styrene		0.644	0.734	0.885	0.901	1.009	1.039	1.013	0.889	16.95
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80)	T	Bromoform		0.185	0.194	0.238	0.243	0.258	0.259	0.257	0.234	13.29
82)	T	Isopropylbenzene		2.616	2.913	3.165	2.975	3.125	3.230	3.269	3.042	7.49
83)	S	4-Bromofluorobenzene	1.041	1.064	1.055	1.017	0.966	0.954	0.958	0.913	0.996	5.58
84)	T	Bromobenzene		0.536	0.589	0.614	0.572	0.591	0.604	0.606	0.588	4.53
85)	T	n-Propylbenzene		3.131	3.560	3.842	3.617	3.949	4.108	3.844	3.722	8.61
86)	T	1,4-Dichlorobu		0.618	0.706	0.745	0.692	0.728	0.743	0.731	0.709	6.28
87)	T	1,1,2,2-Tetrac		0.314	0.352	0.384	0.352	0.358	0.356	0.353	0.352	5.81
88)	T	4-Ethyltoluene		2.429	2.787	3.061	2.856	3.105	3.217	3.264	2.960	9.88
89)	T	2-Chlorotoluene		1.963	2.160	2.311	2.068	2.221	2.336	2.318	2.197	6.45
90)	T	1,3,5-Trimethy		2.039	2.322	2.482	2.345	2.559	2.629	2.690	2.438	9.14
91)	T	1,2,3-Trichlor		0.293	0.328	0.339	0.310	0.321	0.321	0.321	0.319	4.57
92)	T	trans-1,4-Dich		0.043	0.101	0.127	0.122	0.121	0.119	0.114	*L	0.9989

Initial Calibration Summary
Form 6

Client	**: Anchor QEA, LLC**	**Lab Number**	**: L1625236**
Project Name	**: FORMER GLENS FALLS OU-2**	**Project Number**	**: E50593-01.01**
Instrument ID	**: VOA101**	**Ical Ref**	**: ICAL12752**
Calibration dates	**: 08/09/16 14:43 08/09/16 19:00**		

Calibration Files
L11 =V01160809A02.d L1 =V01160809A04.d L2 =V01160809A06.d L3 =V01160809A07.d L4 =V01160809A08.d
L6 =V01160809A09.d L8 =V01160809A10.d L10 =V01160809A11.d

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
93)	T	4-Chlorotoluene		1.860	1.999	2.214	2.068	2.178	2.251	2.294	2.123	7.31
94)	T	tert-Butylbenzene		1.730	1.934	2.109	1.942	2.060	2.121	2.157	2.007	7.47
97)	T	1,2,4-Trimethy		1.951	2.205	2.444	2.292	2.436	2.523	2.563	2.345	9.12
98)	T	sec-Butylbenzene		2.536	2.812	3.102	2.884	3.076	3.186	3.222	2.974	8.23
99)	T	p-Isopropyltol		1.928	2.261	2.549	2.363	2.496	2.568	2.633	2.400	10.17
100)	T	1,3-Dichlorobe		1.039	1.090	1.197	1.130	1.144	1.182	1.213	1.142	5.43
101)	T	1,4-Dichlorobe		1.090	1.120	1.181	1.104	1.116	1.147	1.165	1.132	2.94
102)	T	p-Diethylbenzene		1.053	1.299	1.431	1.356	1.390	1.449	1.500	1.354	10.92
103)	T	n-Butylbenzene		1.740	2.046	2.268	2.150	2.189	2.258	2.338	2.141	9.36
104)	T	1,2-Dichlorobe		0.880	0.907	0.984	0.912	0.915	0.916	0.946	0.923	3.57
105)	T	1,2,4,5-Tetram		1.436	1.609	1.827	1.701	1.689	1.694	1.820	1.682	7.91
106)	T	1,2-Dibromo-3-		0.013	0.029	0.034	0.033	0.033	0.033	0.033	*L	0.9998
107)	T	1,3,5-Trichlor		0.496	0.545	0.585	0.540	0.524	0.522	0.522	0.533	5.17
108)	T	Hexachlorobuta		0.191	0.183	0.184	0.165	0.152	0.157	0.164	0.171	8.78
109)	T	1,2,4-Trichlor		0.311	0.353	0.377	0.331	0.317	0.312	0.312	0.330	7.70
110)	T	Naphthalene		0.541	0.517	0.549	0.496	0.468	0.460	0.439	0.496	8.53
111)	T	1,2,3-Trichlor		0.205	0.215	0.217	0.187	0.169	0.162	0.154	0.187	13.86

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	Lab Number	: L1625236	
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01	
Instrument ID	: VOA101	Calibration Date	: 08/18/16 08:40	
Lab File ID	: V01160818A02	Init. Calib. Date(s)	: 08/09/16	08/09/16
Sample No	: WG923932-2	Init. Calib. Times	: 14:43	19:00
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	118	0
Dichlorodifluoromethane	0.216	0.169	-	21.8*	20	81	.02
Chloromethane	0.29	0.259	-	10.7	20	99	.02
Vinyl chloride	0.298	0.289	-	3	20	99	.02
Bromomethane	0.175	0.154	-	12	20	122	.02
Chloroethane	0.198	0.181	-	8.6	20	93	.02
Trichlorofluoromethane	0.344	0.329	-	4.4	20	103	.02
Ethyl ether	0.093	0.073	-	21.5*	20	87	.02
1,1-Dichloroethene	0.199	0.186	-	6.5	20	103	.02
Carbon disulfide	0.699	0.641	-	8.3	20	108	.02
Freon-113	0.186	0.176	-	5.4	20	103	.02
Iodomethane	10	6.804	-	32*	20	98	.02
Acrolein	10	8.077	-	19.2	20	96	.01
Methylene chloride	0.213	0.199	-	6.6	20	109	.02
Acetone	10	9.024	-	9.8	20	98	.02
trans-1,2-Dichloroethene	0.215	0.211	-	1.9	20	110	.01
Methyl acetate	0.071	0.055	-	22.5*	20	92	.01
Methyl tert-butyl ether	0.424	0.319	-	24.8*	20	84	.01
tert-Butyl alcohol	50	59.244	-	-18.5	20	163	0
Diisopropyl ether	0.769	0.675	-	12.2	20	99	.01
1,1-Dichloroethane	0.41	0.407	-	0.7	20	112	.01
Halothane	0.141	0.134	-	5	20	105	.01
Acrylonitrile	10	8.066	-	19.3	20	93	.01
Ethyl tert-butyl ether	0.609	0.476	-	21.8*	20	90	.01
Vinyl acetate	0.371	0.306	-	17.5	20	91	.01
cis-1,2-Dichloroethene	0.227	0.218	-	4	20	109	.01
2,2-Dichloropropane	0.322	0.349	-	-8.4	20	117	0
Bromochloromethane	0.082	0.073	-	11	20	97	.01
Cyclohexane	0.422	0.399	-	5.5	20	105	.01
Chloroform	0.385	0.368	-	4.4	20	109	.01
Ethyl acetate	0.11	0.083	-	24.5*	20	86	.01
Carbon tetrachloride	0.306	0.286	-	6.5	20	104	0
Tetrahydrofuran	0.038	0.03	-	21.1*	20	89	0
Dibromofluoromethane	0.256	0.236	-	7.8	20	110	0
1,1,1-Trichloroethane	0.363	0.351	-	3.3	20	108	0
2-Butanone	10	9.061	-	9.4	20	91	0
1,1-Dichloropropene	0.292	0.281	-	3.8	20	106	0
Benzene	0.863	0.834	-	3.4	20	111	0
tert-Amyl methyl ether	0.457	0.338	-	26*	20	84	0
1,2-Dichloroethane-d4	0.294	0.25	-	15	20	103	.01
1,2-Dichloroethane	0.256	0.223	-	12.9	20	98	0
Methyl cyclohexane	0.351	0.311	-	11.4	20	101	0
Trichloroethene	0.23	0.214	-	7	20	108	0
Dibromomethane	0.093	0.076	-	18.3	20	92	0
1,2-Dichloropropane	0.205	0.192	-	6.3	20	105	.01

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	Lab Number	: L1625236	
Project Name	: FORMER GLENS FALLS OU-2	Project Number	: E50593-01.01	
Instrument ID	: VOA101	Calibration Date	: 08/18/16 08:40	
Lab File ID	: V01160818A02	Init. Calib. Date(s)	: 08/09/16	08/09/16
Sample No	: WG923932-2	Init. Calib. Times	: 14:43	19:00
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
2-Chloroethyl vinyl ether	0.068	0.052	-	23.5*	20	75	0
Bromodichloromethane	0.261	0.232	-	11.1	20	99	0
1,4-Dioxane	0.00066	0.00051	-	22.7*	20	83	0
cis-1,3-Dichloropropene	0.296	0.263	-	11.1	20	99	0
Chlorobenzene-d5	1	1	-	0	20	116	0
Toluene-d8	1.348	1.391	-	-3.2	20	117	0
Toluene	0.766	0.749	-	2.2	20	108	0
4-Methyl-2-pentanone	10	6.729	-	32.7*	20	75	0
Tetrachloroethene	0.29	0.27	-	6.9	20	101	0
trans-1,3-Dichloropropene	0.337	0.291	-	13.6	20	95	0
Ethyl methacrylate	0.221	0.171	-	22.6*	20	84	0
1,1,2-Trichloroethane	0.149	0.123	-	17.4	20	89	0
Chlorodibromomethane	0.209	0.175	-	16.3	20	90	0
1,3-Dichloropropane	0.313	0.268	-	14.4	20	92	0
1,2-Dibromoethane	0.159	0.131	-	17.6	20	89	0
2-Hexanone	10	7.902	-	21*	20	85	0
Chlorobenzene	0.785	0.734	-	6.5	20	103	0
Ethylbenzene	1.524	1.471	-	3.5	20	109	0
1,1,1,2-Tetrachloroethane	0.261	0.228	-	12.6	20	97	0
p/m Xylene	0.565	0.522	-	7.6	20	108	0
o Xylene	0.536	0.482	-	10.1	20	104	0
Styrene	0.889	0.763	-	14.2	20	100	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	104	0
Bromoform	0.234	0.194	-	17.1	20	85	0
Isopropylbenzene	3.042	3.135	-	-3.1	20	103	0
4-Bromofluorobenzene	0.996	1.105	-	-10.9	20	113	0
Bromobenzene	0.588	0.569	-	3.2	20	97	0
n-Propylbenzene	3.722	3.842	-	-3.2	20	104	0
1,4-Dichlorobutane	0.709	0.64	-	9.7	20	90	0
1,1,2,2-Tetrachloroethane	0.352	0.296	-	15.9	20	80	0
4-Ethyltoluene	2.96	3.059	-	-3.3	20	104	0
2-Chlorotoluene	2.197	2.287	-	-4.1	20	103	0
1,3,5-Trimethylbenzene	2.438	2.431	-	0.3	20	102	0
1,2,3-Trichloropropane	0.319	0.276	-	13.5	20	85	0
trans-1,4-Dichloro-2-buten	10	8.315	-	16.9	20	78	0
4-Chlorotoluene	2.123	2.179	-	-2.6	20	103	0
tert-Butylbenzene	2.007	2.012	-	-0.2	20	99	0
1,2,4-Trimethylbenzene	2.345	2.348	-	-0.1	20	100	0
sec-Butylbenzene	2.974	2.971	-	0.1	20	100	0
p-Isopropyltoluene	2.4	2.407	-	-0.3	20	98	0
1,3-Dichlorobenzene	1.142	1.089	-	4.6	20	95	0
1,4-Dichlorobenzene	1.132	1.064	-	6	20	94	0
p-Diethylbenzene	1.354	1.337	-	1.3	20	97	0
n-Butylbenzene	2.141	2.182	-	-1.9	20	100	0
1,2-Dichlorobenzene	0.923	0.827	-	10.4	20	88	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: Anchor QEA, LLC	**Lab Number**	: L1625236	
Project Name	: FORMER GLENS FALLS OU-2	**Project Number**	: E50593-01.01	
Instrument ID	: VOA101	**Calibration Date**	: 08/18/16 08:40	
Lab File ID	: V01160818A02	**Init. Calib. Date(s)**	: 08/09/16	08/09/16
Sample No	: WG923932-2	**Init. Calib. Times**	: 14:43	19:00
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2,4,5-Tetramethylbenzene	1.682	1.542	-	8.3	20	88	0
1,2-Dibromo-3-chloropropan	10	7.477	-	25.2*	20	74	0
1,3,5-Trichlorobenzene	0.533	0.479	-	10.1	20	85	0
Hexachlorobutadiene	0.171	0.188	-	-9.9	20	107	0
1,2,4-Trichlorobenzene	0.33	0.236	-	28.5*	20	65	0
Naphthalene	0.496	0.261	-	47.4*	20	50	0
1,2,3-Trichlorobenzene	0.187	0.093	-	50.3*	20	45	0

* Value outside of QC limits.

Internal Standard Area and RT Summary
Form 8

Client	: Anchor QEA, LLC	**Lab Number**	: L1625236
Project Name	: FORMER GLENS FALLS OU-2	**Project Number**	: E50593-01.01
Instrument ID	: VOA101	**Analysis Date**	: 08/18/16 08:40
Sample No	: WG923932-2	**Lab File ID**	: V01160818A02

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG923932-2	614919	6.09	416180	9.91	172755	12.79
Upper Limit	1229838	6.59	832360	10.41	345510	13.29
Lower Limit	307460	5.59	208090	9.41	86378	12.29
Sample ID						
WG923932-3 LCS	614919	6.09	416180	9.91	172755	12.79
WG923932-4 LCSD	492093	6.08	333317	9.91	136291	12.79
WG923932-5 BLANK	462823	6.08	314306	9.91	128577	12.79
EB 20160811	454035	6.08	309692	9.91	127693	12.79
TRIP BLANK-20160811	456457	6.08	311604	9.91	128985	12.79
SW1A-20160810	450572	6.08	307052	9.91	127162	12.79
SW1B-20160810	443589	6.08	303115	9.91	125237	12.79
SW1C-20160810	432303	6.08	295942	9.91	122697	12.79
SW2A-20160810	441945	6.08	301897	9.91	125232	12.79
SW2B-20160810	429746	6.08	293596	9.91	121864	12.79
SW2C-20160810	428034	6.08	293295	9.91	123343	12.80
SW3A-20160810	425398	6.08	293827	9.91	121848	12.79
SW3B-20160810	411468	6.08	284915	9.91	120241	12.79
SW3C-20160810	412843	6.08	281688	9.91	117752	12.79
DUP-20160810	413666	6.08	281993	9.91	118878	12.80
SW1B-20160810 MS	415975	6.08	287780	9.91	127131	12.79
SW1B-20160810 MSD	428812	6.08	297750	9.91	130179	12.79

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

ATTACHMENT D

(Attachment provided only with electronic version.)

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Anchor Environmental, LLC
720 Olive Way, Suite 1900
Seattle, WA 98101
ATTN: Ms. Cindy Fields

February 10, 2016

SUBJECT: Mohican Street, Glen Falls, NY, Data Validation

Dear Ms. Fields,

Enclosed is the final validation report for the fractions listed below. This SDG was received on January 19, 2016. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #35767:

SDG #	Fraction
L1533592	Volatiles, Semivolatiles, Polynuclear Aromatic Hydrocarbons, Wet Chemistry

The data validation was performed under Stage 2B guidelines. The analyses were validated using the following documents, as applicable to each method:

- Quality Assurance Project Plan for Former Mohican Street Manufactured Gas Plan-Operable Unit 2 , November 2015
- USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, June 2008
- USEPA Contract Laboratory National Functional Guidelines for Inorganic Superfund Data Review, January 2010
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; Update IV, February 2007

Please feel free to contact us if you have any questions.

Sincerely,

Christina Rink
Project Manager/Chemist

331 pages-SF

Attachment 1

EDD Stage 2B

LDC #35767 (Anchor Environmental-Seattle WA / Mohican Street, Glen Falls, NY)

LDC	SDG#	DATE REC'D	(3) DATE DUE	VOA (8260C)		SVOA (8270D)		PAHs (8270D-SIM)		DOC (5310C)		TOC (5310C)		TSS (2540D)																					
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	L1533592	01/19/16	02/09/16	12	0	11	0	11	0	11	0	11	0	11	0																				
Total	A/CR			12	0	11	0	11	0	11	0	11	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67

Shaded cells indicate Stage 4 validation (all other cells are Stage 2B validation). These sample counts do not include MS, MSD, or DUP's.

L:\Anchor\Glen Falls\35767ST.wpd

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Mohican Street, Glen Falls, NY

LDC Report Date: February 1, 2016

Parameters: Volatiles

Validation Level: Stage 2B

Laboratory: Alpha Analytical, Inc.

Sample Delivery Group (SDG): L1533592

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
SW-1A-20151217	L1533592-01	Water	12/17/15
SW-1B-20151217	L1533592-02	Water	12/17/15
SW-1C-20151217	L1533592-03	Water	12/17/15
SW-2A-20151217	L1533592-04	Water	12/17/15
SW-2B-20151217	L1533592-05	Water	12/17/15
SW-2C-20151217	L1533592-06	Water	12/17/15
DUP-20151217	L1533592-07	Water	12/17/15
TRIP BLANK-20151217	L1533592-08	Water	12/17/15
SW-3A-20151217	L1533592-09	Water	12/17/15
SW-3B-20151217	L1533592-10	Water	12/17/15
SW-3C-20151217	L1533592-11	Water	12/17/15
EB20151217	L1533592-12	Water	12/17/15
SW-2B-20151217MS	L1533592-05MS	Water	12/17/15
SW-2B-20151217MSD	L1533592-05MSD	Water	12/17/15

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Quality Assurance Project Plan for Former Mohican Street Manufactured Gas Plan-Operable Unit 2 (November 2015) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW 846 Method 8260C

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

A bromofluorobenzene (BFB) tune was performed at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For compounds where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 20.0%.

In the case where the laboratory used a calibration curve to evaluate the compounds, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all compounds were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all compounds with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
11/08/15	Dichlorodifluoromethane	32.56124	All samples in SDG L1533592	NA	-

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all compounds with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
12/30/15	Chloroethane Trichlorofluoromethane 1,1-Dichloroethene 1,1,2-Trichloro-1,2,2-trifluoroethane Acetone 2-Butanone 4-Methyl-2-pentanone 2-Hexanone Carbon disulfide	27.61342 26.96011 28.67874 30.26479 41.27011 25.10317 21.54346 23.81611 35.16917	SW-1A-20151217 SW-1B-20151217 SW-1C-20151217 SW-2A-20151217 SW-2B-20151217 SW-2C-20151217	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A
12/31/15	Chloromethane	25.11022	DUP-20151217 TRIP BLANK-20151217 SW-3A-20151217 SW-3B-20151217 SW-3C-20151217 EB20151217	NA	-
12/31/15	Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Carbon disulfide 1,1,2-Trichloro-1,2,2-trifluoroethane Acetone 4-Methyl-2-pentanone	21.19709 23.80744 26.27031 33.12892 26.25387 25.04230 20.08576	DUP-20151217 TRIP BLANK-20151217 SW-3A-20151217 SW-3B-20151217 SW-3C-20151217 EB20151217	J (all detects) UJ (all non-detects)	A

All of the continuing calibration relative response factors (RRF) were within validation criteria.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

Sample TRIP BLANK-20151217 was identified as a trip blank. No contaminants were found.

Sample EB20151217 was identified as an equipment blank. No contaminants were found with the following exceptions:

Blank ID	Compound	Concentration (ug/L)
EB20151217	Toluene Acetone	0.50 14

VII. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VIII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
SW-2B-20151217MS/MSD (SW-2B-20151217)	Chloromethane	141 (60-140)	145 (60-140)	NA	-

Relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	RPD (Limits)	Flag	A or P
SW-2B-20151217MS/MSD (SW-2B-20151217)	Methyl acetate	34 (≤30)	NA	-

IX. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	Flag	A or P
WGB54069-LCS/D (SW-1A-20151217 SW-1B-20151217 SW-1C-20151217 SW-2A-20151217 SW-2B-20151217 SW-2C-20151217)	Acetone	59 (60-140)	-	UJ (all non-detects)	P

Relative percent differences (RPD) were within QC limits.

X. Field Duplicates

Samples SW-1B-20151217 and DUP-20151217 were identified as field duplicates. No results were detected in any of the samples.

XI. Internal Standards

All internal standard areas and retention times were within QC limits.

XII. Compound Quantitation

Raw data were not reviewed for Stage 2B validation.

XIII. Target Compound Identifications

Raw data were not reviewed for Stage 2B validation.

XIV. System Performance

Raw data were not reviewed for Stage 2B validation.

XV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to continuing calibration %D and LCS/LCSD %R, data were qualified as estimated in twelve samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the data validation all other results are considered valid and usable for all purposes.

Mohican Street, Glen Falls, NY
Volatiles - Data Qualification Summary - SDG L1533592

Sample	Compound	Flag	A or P	Reason
SW-1A-20151217 SW-1B-20151217 SW-1C-20151217 SW-2A-20151217 SW-2B-20151217 SW-2C-20151217	Chloroethane Trichlorofluoromethane 1,1-Dichloroethene 1,1,2-Trichloro-1,2,2-trifluoroethane Acetone 2-Butanone 4-Methyl-2-pentanone 2-Hexanone Carbon disulfide	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A	Continuing calibration (%D)
DUP-20151217 TRIP BLANK-20151217 SW-3A-20151217 SW-3B-20151217 SW-3C-20151217 EB20151217	Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Carbon disulfide 1,1,2-Trichloro-1,2,2-trifluoroethane Acetone 4-Methyl-2-pentanone	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
SW-1A-20151217 SW-1B-20151217 SW-1C-20151217 SW-2A-20151217 SW-2B-20151217 SW-2C-20151217	Acetone	UJ (all non-detects)	P	Laboratory control samples (%R)

Mohican Street, Glen Falls, NY
Volatiles - Laboratory Blank Data Qualification Summary - SDG L1533592

No Sample Data Qualified in this SDG

LDC #: 35767A1 **VALIDATION COMPLETENESS WORKSHEET** Date: 1/28/16
SDG #: L1533592 Stage 2B Page: 1 of 2
Laboratory: Alpha Analytical, Inc. Reviewer: F
2nd Reviewer: AVL

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260~~B~~C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A SW	% RSD ≤ 20, r² ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	A	
VI.	Field blanks	SW	*TB = 8 EB = 12
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	SW	
IX.	Laboratory control samples	SW	LCS/D
X.	Field duplicates	ND	D = 2, 7
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	N	
XIII.	Target compound identification	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; * ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	SW-1A-20151217	L1533592-01	Water	12/17/15
2	SW-1B-20151217 D	L1533592-02	Water	12/17/15
3	SW-1C-20151217	L1533592-03	Water	12/17/15
4	SW-2A-20151217	L1533592-04	Water	12/17/15
5	SW-2B-20151217	L1533592-05	Water	12/17/15
6	SW-2C-20151217	L1533592-06	Water	12/17/15
7	DUP-20151217 D	L1533592-07	Water	12/17/15
8	TRIP BLANK-20151217	L1533592-08	Water	12/17/15
9	SW-3A-20151217	L1533592-09	Water	12/17/15
10	SW-3B-20151217	L1533592-10	Water	12/17/15
11	SW-3C-20151217	L1533592-11	Water	12/17/15
12	EB20151217	L1533592-12	Water	12/17/15
13	SW-2B-20151217MS	L1533592-05MS	Water	12/17/15

LDC #: 35767A1 **VALIDATION COMPLETENESS WORKSHEET** Date: 1/28/16

SDG #: L1533592 Stage 2B Page: 2 of 2

Laboratory: Alpha Analytical, Inc. Reviewer: FT

2nd Reviewer: AM

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

	Client ID	Lab ID	Matrix	Date
14 2	SW-2B-20151217MSD	L1533592-05MSD	Water	12/17/15
15				
16				
17				
18				
19				
20				

Notes:

1	WG853951-10						
2	WG854069-3						

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 35767A1

VALIDATION FINDINGS WORKSHEET
Initial Calibration Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer: ARL

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was an initial calibration verification standard analyzed after each ICAL for each instrument?

Y N N/A Were all %D within the validation criteria of ≤20 %D?

#	Date	Standard ID	Compound	Finding %D (Limit: <30.0%)	Associated Samples	Qualifications
+	11/8/15	ICV	VV	32.56124	All	Jdet /A (ND)

ICVvoa.wpd

LDC #: 35767A1

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer: APL

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
-	12/30/15	ccv	D	27.61342		1→6, WG854069-3	J/UJ/A all ND
-	0752		KK	26.96011		13, 14	
-			H	28.67874			
-			TTT	30.26479			
-			F	41.27011			
-			M	25.10317			
-			Y	21.54346			
-			Z	23.81611			
			G	35.16917			
+	12/31/15	ccv	A	25.11022		7→12, WG853951-10	J det/A (ND)
-	0940		D	21.19709			J/UJ/A (ND + D-qt)
-			KK	23.80744			
-			H	26.27031			
-			G	33.12892			
-			TTT	26.25387			
-			F	25.04230			
-			Y	20.08576			

LDC #: 35767A1

VALIDATION FINDINGS WORKSHEET
Field Blanks

Reviewer: FT
2nd reviewer: AM

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Y N N/A Were field blanks identified in this SDG?
Y N N/A Were target compounds detected in the field blanks?

Sample: 12 (EB) Field Blank / Trip Blank / Rinsate (circle one)

Compound	Concentration Units (ug/L)
CC	0.50
F	14

Sample: _____ Field Blank / Trip Blank / Rinsate (circle one)

Compound	Concentration Units ( )

Sample: _____ Field Blank / Trip Blank / Rinsate (circle one)

Compound	Concentration Units ( )

.LDC #: 35767A1

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Reviewer: FT
2nd Reviewer: APC

METHOD : GC/MS VOA (EPA SW 846 Method 8260~~B~~C) F7

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.

Y N N/A Was a MS/MSD analyzed every 20 samples of each matrix?

Y N N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	13 14	A	141 (60-140	145 (60-140	( )	5	J det/A ND
		QQQQ	( )	( )	34 (30)	↓	↓ ↓
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

LDC #: 35767A1

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: FT
2nd Reviewer: APL

METHOD: GC/MS VOA (EPA SW 846 Method 8260~~B~~C) F7

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?

Y N N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	WG854069-1 LCS ID	F	59 (60-140)	( )	( )	1→6, WG854069-3	J/UJ/P (ND)
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Mohican Street, Glen Falls, NY

LDC Report Date: February 2, 2016

Parameters: Semivolatiles

Validation Level: Stage 2B

Laboratory: Alpha Analytical, Inc.

Sample Delivery Group (SDG): L1533592

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
SW-1A-20151217	L1533592-01	Water	12/17/15
SW-1B-20151217	L1533592-02	Water	12/17/15
SW-1C-20151217	L1533592-03	Water	12/17/15
SW-2A-20151217	L1533592-04	Water	12/17/15
SW-2B-20151217	L1533592-05	Water	12/17/15
SW-2C-20151217	L1533592-06	Water	12/17/15
DUP-20151217	L1533592-07	Water	12/17/15
SW-3A-20151217	L1533592-09	Water	12/17/15
SW-3B-20151217	L1533592-10	Water	12/17/15
SW-3C-20151217	L1533592-11	Water	12/17/15
EB20151217	L1533592-12	Water	12/17/15
SW-2B-20151217MS	L1533592-05MS	Water	12/17/15
SW-2B-20151217MSD	L1533592-05MSD	Water	12/17/15

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Quality Assurance Project Plan for Former Mohican Street Manufactured Gas Plan-Operable Unit 2 (November 2015) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Semivolatile Organic Compounds (SVOCs) by Environmental Protection Agency (EPA) SW 846 Method 8270D

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

A decafluorotriphenylphosphine (DFTPP) tune was performed at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For compounds where average relative response factors (RRFs) were utilized, percent relative standard deviations (%RSD) were less than or equal to 20.0%.

In the case where the laboratory used a calibration curve to evaluate the compounds, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all compounds were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all compounds with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
12/05/16 (5:37)	Benzaldehyde	39.6	All samples in SDG L1533592	UJ (all non-detects)	A
12/05/16 (6:06)	2,4-Dinitrophenol Pentachlorophenol	36.9 31.9	All samples in SDG L1533592	UJ (all non-detects) UJ (all non-detects)	A

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all compounds.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks with the following exceptions:

Blank ID	Extraction Date	Compound	Concentration	Associated Samples
WG852537-1	12/23/15	Bis(2-ethylhexyl)phthalate	0.088 ug/L	All samples in SDG L1533592

Sample concentrations were compared to concentrations detected in the laboratory blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated laboratory blanks.

VI. Field Blanks

Sample EB20151217 was identified as an equipment blank. No contaminants were found.

VII. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VIII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
SW-2B-20151217MS/MSD (SW-2B-20151217)	N-Nitrosodimethylamine	40 (60-140)	44 (60-140)	J (all detects) UJ (all non-detects)	A
	Pyridine	25 (60-140)	32 (60-140)		
	Aniline	42 (60-140)	52 (60-140)		
	Phenol	24 (60-130)	27 (60-130)		
	2-Chlorophenol	55 (60-140)	-		
	1,3-Dichlorobenzene	31 (60-130)	36 (60-130)		
	1,4-Dichlorobenzene	32 (60-130)	36 (60-130)		
	1,2-Dichlorobenzene	33 (60-130)	38 (60-130)		
	2-Methylphenol	50 (60-130)	58 (60-130)		
	Hexachloroethane	30 (60-130)	34 (60-130)		
	4-Methylphenol	48 (60-130)	57 (60-130)		
	2,4-Dimethylphenol	46 (60-130)	-		
	Benzoic acid	30 (60-130)	32 (60-130)		
	1,2,4-Trichlorobenzene	34 (60-130)	40 (60-130)		
	4-Chloroaniline	50 (60-130)	56 (60-130)		
	Hexachlorobutadiene	30 (60-130)	35 (60-130)		
	Caprolactam	25 (60-130)	27 (60-130)		
	1,2,4,5-Tetrachlorobenzene	36 (60-130)	43 (60-130)		
	Hexachlorocyclopentadiene	36 (60-130)	43 (60-130)		
	2-Chloronaphthalene	47 (60-130)	55 (60-130)		
	4-Nitrophenol	41 (60-130)	43 (60-130)		
	3,3'-Dichlorobenzidine	59 (60-130)	-		
SW-2B-20151217MS/MSD (SW-2B-20151217)	Benzidine	0 (60-130)	6 (60-130)	R (all non-detects)	A

Relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	RPD (Limits)	Flag	A or P
SW-2B-20151217MS/MSD (SW-2B-20151217)	2,4-Dimethylphenol	43 (≤30)	NA	-
	Benzidine	200 (≤30)		

IX. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	Flag	A or P
WG852537-LCS/D (All samples in SDG L1533592)	N-Nitrosodimethylamine	49 (60-140)	45 (60-140)	UJ (all non-detects)	P
	Pyridine	36 (60-140)	39 (60-140)	UJ (all non-detects)	
	Phenol	32 (60-140)	30 (60-140)	UJ (all non-detects)	
	2-Chlorophenol	-	59 (60-140)	UJ (all non-detects)	
	1,3-Dichlorobenzene	39 (60-140)	34 (60-140)	UJ (all non-detects)	
	1,4-Dichlorobenzene	40 (60-140)	35 (60-140)	UJ (all non-detects)	
	1,2-Dichlorobenzene	43 (60-140)	36 (60-140)	UJ (all non-detects)	
	2-Methylphenol	-	59 (60-140)	UJ (all non-detects)	
	Hexachloroethane	36 (60-140)	34 (60-140)	UJ (all non-detects)	
	Benzoic acid	18 (60-140)	13 (60-140)	UJ (all non-detects)	
	1,2,4-Trichlorobenzene	44 (60-140)	37 (60-140)	UJ (all non-detects)	
	Hexachlorobutadiene	33 (60-140)	34 (60-140)	UJ (all non-detects)	
	Caprolactam	28 (60-140)	28 (60-140)	UJ (all non-detects)	
	1,2,4,5-Tetrachlorobenzene	48 (60-140)	40 (60-140)	UJ (all non-detects)	
	Hexachlorocyclopentadiene	41 (60-140)	40 (60-140)	UJ (all non-detects)	
	2-Chloronaphthalene	-	47 (60-140)	UJ (all non-detects)	
	Dibenzofuran	-	59 (60-140)	UJ (all non-detects)	
	4-Nitrophenol	45 (60-140)	48 (60-140)	UJ (all non-detects)	
	4-Chlorophenyl-phenyl ether	-	58 (60-140)	UJ (all non-detects)	
	Benzidine	12 (60-140)	30 (60-140)	UJ (all non-detects)	

Relative percent differences (RPD) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Compound	RPD (Limits)	Flag	A or P
WG852537-LCS/D (All samples in SDG L1533592)	Benzoic acid	32 (≤30)	UJ (all non-detects)	P
	Benzidine	86 (≤30)	UJ (all non-detects)	

X. Field Duplicates

Samples SW-1B-20151217 and DUP-20151217 were identified as field duplicates. No results were detected in any of the samples.

XI. Internal Standards

All internal standard areas and retention times were within QC limits.

XII. Compound Quantitation

Raw data were not reviewed for Stage 2B validation.

XIII. Target Compound Identifications

Raw data were not reviewed for Stage 2B validation.

XIV. System Performance

Raw data were not reviewed for Stage 2B validation.

XV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. .

Due to MS/MSD %R, data were rejected in one sample.

Due to ICV %D, MS/MSD %R, and LCS/LCSD %R and RPD, data were qualified as estimated in eleven samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be rejected (R) are unusable for all purposes. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the data validation all other results are considered valid and usable for all purposes.

Mohican Street, Glen Falls, NY
Semivolatiles - Data Qualification Summary - SDG L1533592

Sample	Compound	Flag	A or P	Reason
SW-1A-20151217 SW-1B-20151217 SW-1C-20151217 SW-2A-20151217 SW-2B-20151217 SW-2C-20151217 DUP-20151217 SW-3A-20151217 SW-3B-20151217 SW-3C-20151217 EB20151217	Benzaldehyde 2,4-Dinitrophenol Pentachlorophenol	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A	Initial calibration verification (%D)
SW-2B-20151217	N-Nitrosodimethylamine Pyridine Aniline Phenol 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol Hexachloroethane 4-Methylphenol 2,4-Dimethylphenol Benzoic acid 1,2,4-Trichlorobenzene 4-Chloroaniline Hexachlorobutadiene Caprolactam 1,2,4,5-Tetrachlorobenzene Hexachlorocyclopentadiene 2-Chloronaphthalene 4-Nitrophenol 3,3'-Dichlorobenzidine	UJ (all non-detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R)
SW-2B-20151217	Benzidine	R (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R)
SW-1A-20151217 SW-1B-20151217 SW-1C-20151217 SW-2A-20151217 SW-2B-20151217 SW-2C-20151217 DUP-20151217 SW-3A-20151217 SW-3B-20151217 SW-3C-20151217 EB20151217	N-Nitrosodimethylamine Pyridine Phenol 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol Hexachloroethane Benzoic acid 1,2,4-Trichlorobenzene Hexachlorobutadiene Caprolactam 1,2,4,5-Tetrachlorobenzene Hexachlorocyclopentadiene 2-Chloronaphthalene Dibenzofuran 4-Nitrophenol 4-Chlorophenyl-phenyl ether Benzidine	UJ (all non-detects) UJ (all non-detects)	P	Laboratory control samples (%R)

Sample	Compound	Flag	A or P	Reason
SW-1A-20151217 SW-1B-20151217 SW-1C-20151217 SW-2A-20151217 SW-2B-20151217 SW-2C-20151217 DUP-20151217 SW-3A-20151217 SW-3B-20151217 SW-3C-20151217 EB20151217	Benzoic acid Benzidine	UJ (all non-detects) UJ (all non-detects)	P	Laboratory control samples (RPD)

Mohican Street, Glen Falls, NY
Semivolatiles - Laboratory Blank Data Qualification Summary - SDG L1533592

No Sample Data Qualified in this SDG

LDC #: 35767A2a **VALIDATION COMPLETENESS WORKSHEET** Date: 1/28/16
SDG #: L1533592 Stage 2B Page: 1 of 2
Laboratory: Alpha Analytical, Inc. Reviewer:
2nd Reviewer:

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A, SW	%RSD ≤ 20, r² ICV ≤ 30
IV.	Continuing calibration	A	CCV ≤ 20
V.	Laboratory Blanks	SW	
VI.	Field blanks	ND	EB = 11
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	SW	
IX.	Laboratory control samples	SW	LCS/D
X.	Field duplicates	ND	D = 2, 7
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	N	
XIII.	Target compound identification	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	SW-1A-20151217	L1533592-01	Water	12/17/15
2	SW-1B-20151217 D	L1533592-02	Water	12/17/15
3	SW-1C-20151217	L1533592-03	Water	12/17/15
4	SW-2A-20151217	L1533592-04	Water	12/17/15
5	SW-2B-20151217	L1533592-05	Water	12/17/15
6	SW-2C-20151217	L1533592-06	Water	12/17/15
7	DUP-20151217 D	L1533592-07	Water	12/17/15
8	SW-3A-20151217	L1533592-09	Water	12/17/15
9	SW-3B-20151217	L1533592-10	Water	12/17/15
10	SW-3C-20151217	L1533592-11	Water	12/17/15
11	EB20151217	L1533592-12	Water	12/17/15
12	SW-2B-20151217MS	L1533592-05MS	Water	12/17/15
13	SW-2B-20151217MSD	L1533592-05MSD	Water	12/17/15

LDC #: 35767A2a **VALIDATION COMPLETENESS WORKSHEET** Date: 1/28/16
SDG #: L1533592 Stage 2B Page: 2 of 2
Laboratory: Alpha Analytical, Inc. Reviewer: FT
2nd Reviewer: AVL

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

	Client ID	Lab ID	Matrix	Date
14				
15				
16				
17				
18				
19				
20				

Notes:

	WG 852537 -1						

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

A. Phenol	AA. 2-Chloronaphthalene	AAA. Butylbenzylphthalate	AAAA. Dibenzothiophene	A1.
B. Bis (2-chloroethyl) ether	BB. 2-Nitroaniline	BBB. 3,3'-Dichlorobenzidine	BBBB. Benzo(a)fluoranthene	B1.
C. 2-Chlorophenol	CC. Dimethylphthalate	CCC. Benzo(a)anthracene	CCCC. Benzo(b)fluorene	C1.
D. 1,3-Dichlorobenzene	DD. Acenaphthylene	DDD. Chrysene	DDDD. cis/trans-Decalin	D1.
E. 1,4-Dichlorobenzene	EE. 2,6-Dinitrotoluene	EEE. Bis(2-ethylhexyl)phthalate	EEEE. Biphenyl	E1.
F. 1,2-Dichlorobenzene	FF. 3-Nitroaniline	FFF. Di-n-octylphthalate	FFFF. Retene	F1.
G. 2-Methylphenol	GG. Acenaphthene	GGG. Benzo(b)fluoranthene	GGGG. C30-Hopane	G1.
H. 2,2'-Oxybis(1-chloropropane)	HH. 2,4-Dinitrophenol	HHH. Benzo(k)fluoranthene	HHHH. 1-Methylphenanthrene	H1.
I. 4-Methylphenol	II. 4-Nitrophenol	III. Benzo(a)pyrene	IIII. 1,4-Dioxane	I1.
J. N-Nitroso-di-n-propylamine	JJ. Dibenzofuran	JJJ. Indeno(1,2,3-cd)pyrene	JJJJ. Acetophenone	J1.
K. Hexachloroethane	KK. 2,4-Dinitrotoluene	KKK. Dibenz(a,h)anthracene	KKKK. Atrazine	K1.
L. Nitrobenzene	LL. Diethylphthalate	LLL. Benzo(g,h,i)perylene	LLLL. Benzaldehyde	L1.
M. Isophorone	MM. 4-Chlorophenyl-phenyl ether	MMM. Bis(2-Chloroisopropyl)ether	MMMM. Caprolactam	M1.
N. 2-Nitrophenol	NN. Fluorene	NNN. Aniline	NNNN. 2,6-Dichlorophenol	N1.
O. 2,4-Dimethylphenol	OO. 4-Nitroaniline	OOO. N-Nitrosodimethylamine	OOOO. 2,6-Dinitrotoluene	O1.
P. Bis(2-chloroethoxy)methane	PP. 4,6-Dinitro-2-methylphenol	PPP. Benzoic Acid	PPPP. 3-Methylphenol	P1.
Q. 2,4-Dichlorophenol	QQ. N-Nitrosodiphenylamine	QQQ. Benzyl alcohol	QQQQ. 3&4 Methylphenol	Q1.
R. 1,2,4-Trichlorobenzene	RR. 4-Bromophenyl-phenylether	RRR. Pyridine	RRRR. 4-Dimethyldibenzothiphene (4MDT)	R1.
S. Naphthalene	SS. Hexachlorobenzene	SSS. Benzidine	SSSS. 2/3-Dimethyldibenzothiophene (4MDT)	S1.
T. 4-Chloroaniline	TT. Pentachlorophenol	TTT. 1-Methylnaphthalene	TTTT. 1-Methyldibenzothiophene (1MDT)	T1.
U. Hexachlorobutadiene	UU. Phenanthrene	UUU.Benzo(b)thiophene	UUUU. 1,2,4,5-Tetrachlorobenzene	
V. 4-Chloro-3-methylphenol	VV. Anthracene	VVV.Benzonaphthothiophene	VVVV.	V1.
W. 2-Methylnaphthalene	WW. Carbazole	WWW.Benzo(e)pyrene	WWWW.	W1.
X. Hexachlorocyclopentadiene	XX. Di-n-butylphthalate	XXX. 2,6-Dimethylnaphthalene	XXXX.	X1.
Y. 2,4,6-Trichlorophenol	YY. Fluoranthene	YYY. 2,3,5-Trimethylnaphthalene	YYYY.	Y1.
Z. 2,4,5-Trichlorophenol	ZZ. Pyrene	ZZZ. Perylene	ZZZZ.	Z1.

LDC #: 35767A2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer: AVL

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was an initial calibration verification standard analyzed after each ICAL for each instrument?

Y N N/A Were all %D within the validation criteria of ≤30 %D ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤30.0%)	Associated Samples	Qualifications
†	12/5/16 5:37	ICV	LLLL ~~HH~~	39.6	All	J/UJ/A (ND)
-	12/5/16	ICV	HH	36.9	All	J/UJ/A (ND)
-	6:06		TT	31.9	↓	↓

ICVsvoa.wpd

LDC #: 35767A2a

VALIDATION FINDINGS WORKSHEET
Blanks

Page: 1 of 1
Reviewer: FT
2nd Reviewer: APR

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a method blank analyzed for each matrix?
Y N N/A Was a method blank analyzed for each concentration preparation level?
Y N N/A Was a method blank associated with every sample?
Y N N/A Was the blank contaminated? If yes, please see qualification below.

Blank extraction date: 12/23/15 **Blank analysis date:** 12/31/15
Conc. units: ug/L Associated Samples: all (ND)

Compound	Blank ID	Sample Identification							
	WG852537-1								
EEE	0.088								

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
Common contaminants such as the phthalates and TICs noted above that were detected in samples within ten times the associated method blank concentration were qualified as not detected, "U". Other contaminants within five times the method blank concentration were also qualified as not detected, "U".

LDC #: 35767A2a

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Page: 1 of 1
Reviewer: FT
2nd Reviewer: MC

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.

Y N N/A Was a MS/MSD analyzed every 20 samples of each matrix?

Y N N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	12 + 13	Pls refer to the following pages	( )	( )	( )	5	all J/UJ/A except SSS = J/R/A
			( )	( )	( )		
			( )	( )			
			( )	( )	( )		J all/A for RPD
			( )	( )	( )		
			( )	( )	( )		all ND
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
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			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

12 & 13

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

Parameter		Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-07,09-12 QC Batch ID: WG852537-4 WG852537-5 QC Sample: L1533592-05 Client ID: SW-2B-20151217													
n-Nitrosodimethylamine	BBB	ND	10.5	4.19	40		4.59	44		40-140	9		20
Pyridine	RRR	ND	10.5	2.60	25	Q	3.40	32	Q	40-140	27	Q	20
Benzaldehyde		ND	10.5	6.57	62		6.92	66		40-140	5		20
Aniline	NNN	ND	10.5	4.47	42		5.50	52		40-140	21	Q	20
Bis(2-chloroethyl)ether		ND	10.5	6.60	63		7.39	70		40-140	11		20
Phenol	A	ND	10.5	2.56	24	Q	2.83	27	Q	30-130	10		20
2-Chlorophenol	C	ND	10.5	5.82	55		6.55	62		30-130	12		20
1,3-Dichlorobenzene	D	ND	10.5	3.23	31	Q	3.74	36	Q	40-140	15		20
1,4-Dichlorobenzene	E	ND	10.5	3.36	32	Q	3.81	36	Q	40-140	13		20
1,2-Dichlorobenzene	F	ND	10.5	3.51	33	Q	3.98	38	Q	40-140	13		20
Bis(2-chloroisopropyl)ether		ND	10.5	6.74	64		7.66	73		40-140	13		20
2-Methylphenol	G	ND	10.5	5.24	50		6.13	58		30-130	16		20
Acetophenone		ND	10.5	7.84	74		8.92	85		40-140	13		20
Hexachloroethane	K	ND	10.5	3.16	30	Q	3.63	34	Q	40-140	14		20
N-Nitroso-di-n-propylamine		ND	10.5	7.21	68		8.18	78		40-140	13		20
4-Methylphenol	I	ND	10.5	5.10	48		6.03	57		30-130	17		20
Nitrobenzene		ND	10.5	6.71	64		7.62	72		40-140	13		20
Isophorone		ND	10.5	7.49	71		8.53	81		40-140	13		20
2-Nitrophenol		ND	10.5	6.55	62		7.43	71		40-140	13		20
2,4-Dimethylphenol	O	ND	10.5	4.83	46		7.50	71		40-140	43	Q	20
Benzoic Acid	PPP	ND	52.6	15.6J	30	Q	16.6J	32	Q	40-140	6		20

% R limits 60 - 140
% RPD limit ≤ 30

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-07,09-12 QC Batch ID: WG852537-4 WG852537-5 QC Sample: L1533592-05 Client ID: SW-2B-20151217												
Bis(2-chloroethoxy)methane	ND	10.5	7.14	68		8.18	78		40-140	14		20
2,4-Dichlorophenol	ND	10.5	6.78	64		7.82	74		30-130	14		20
1,2,4-Trichlorobenzene R	ND	10.5	3.55	34	Q	4.21	40		40-140	17		20
Naphthalene NonTRG S	ND	10.5	4.56	43		5.32	50		40-140	15		20
4-Chloroaniline T	ND	10.5	5.31	50		5.92	56		40-140	11		20
Hexachlorobutadiene U	ND	10.5	3.11	30	Q	3.69	35	Q	40-140	17		20
Caprolactam MMMM	ND	10.5	2.63	25	Q	2.80	27	Q	40-140	6		20
P-Chloro-M-Cresol	ND	10.5	7.66	73		8.46	80		30-130	10		20
2-Methylnaphthalene W	ND	10.5	4.43	42		5.34	51		40-140	19		20
1,2,4,5-Tetrachlorobenzene UUUU	ND	10.5	3.77	36	Q	4.57	43		40-140	19		20
Hexachlorocyclopentadiene X	ND	10.5	3.80	36	Q	4.48	43		40-140	16		20
2,4,6-Trichlorophenol	ND	10.5	7.80	74		8.61	82		30-130	10		20
2,4,5-Trichlorophenol	ND	10.5	8.12	77		8.62	82		30-130	6		20
Biphenyl	ND	10.5	6.78	64		7.42	70		40-140	9		20
2-Chloronaphthalene AA	ND	10.5	4.90	47		5.83	55		40-140	17		20
2-Nitroaniline	ND	10.5	9.00	86		9.52	90		40-140	6		20
Acenaphthylene	ND	10.5	6.44	61		7.24	69		40-140	12		20
Dimethylphthalate	ND	10.5	8.66	82		9.01	86		40-140	4		20
2,6-Dinitrotoluene	ND	10.5	8.62	82		8.99	85		40-140	4		20
Acenaphthene GG	ND	10.5	6.14	58		7.01	67		40-140	13		20
3-Nitroaniline	ND	10.5	7.24	69		7.47	71		40-140	3		20

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-07,09-12 QC Batch ID: WG852537-4 WG852537-5 QC Sample: L1533592-05 Client ID: SW-2B-20151217												
2,4-Dinitrophenol	ND	10.5	9.24	88		9.64	92		30-130	4		20
Dibenzofuran	ND	10.5	6.73	64		7.47	71		40-140	10		20
2,3,4,6-Tetrachlorophenol	ND	10.5	8.89	84		9.23	88		30-130	4		20
2,4-Dinitrotoluene	ND	10.5	9.02	86		9.45	90		40-140	5		20
4-Nitrophenol II	ND	10.5	4.35	41		4.49	43		30-130	3		20
Fluorene	ND	10.5	7.70	73		8.24	78		40-140	7		20
4-Chlorophenyl-phenylether	ND	10.5	7.18	68		7.77	74		40-140	8		20
Diethylphthalate	ND	10.5	9.22	88		9.58	91		40-140	4		20
4-Nitroaniline	ND	10.5	8.40	80		8.71	83		40-140	4		20
4,6-Dinitro-2-Methylphenol	ND	10.5	9.05	86		9.41	89		30-130	4		20
Azobenzene	ND	10.5	8.14	77		8.56	81		40-140	5		20
NitrosoDiPhenylAmine(NDPA)/DPA	ND	10.5	8.69	83		9.05	86		40-140	4		20
4-Bromophenyl-phenylether	ND	10.5	7.97	76		8.38	80		40-140	5		20
Hexachlorobenzene	ND	10.5	8.12	77		8.48	81		40-140	4		20
Atrazine	ND	10.5	9.30	88		9.49	90		40-140	2		20
Pentachlorophenol	ND	10.5	9.03	86		9.50	90		30-130	5		20
Phenanthrene	ND	10.5	8.74	83		9.14	87		40-140	4		20
Anthracene	ND	10.5	8.77	83		9.07	86		40-140	3		20
Carbazole	ND	10.5	9.17	87		9.70	92		40-140	6		20
Di-n-butylphthalate	ND	10.5	9.35	89		9.76	93		40-140	4		20
Fluoranthene	ND	10.5	8.90	85		9.25	88		40-140	4		20

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLEN FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1533592
Report Date: 01/12/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-07,09-12 QC Batch ID: WG852537-4 WG852537-5 QC Sample: L1533592-05 Client ID: SW-2B-20151217												
Benzidine	SSS	ND	26.3	ND	0	Q	1.48J	6	Q	40-140	NC	200	20
Pyrene		ND	10.5	9.37	89		9.61	91		40-140	3		20
Butylbenzylphthalate		ND	10.5	10.3	98		10.4	99		40-140	1		20
3,3'-Dichlorobenzidine	BBB	ND	10.5	6.22	59		7.05	67		40-140	13		20
Benz(a)anthracene		ND	10.5	9.10	86		9.35	89		40-140	3		20
Chrysene		ND	10.5	8.96	85		9.30	88		40-140	4		20
Bis(2-Ethylhexyl)phthalate		ND	10.5	9.93	94		10.1	96		40-140	2		20
Di-n-octylphthalate		ND	10.5	10.3	98		10.7	102		40-140	4		20
Benzo(b)fluoranthene		ND	10.5	9.16	87		9.64	92		40-140	5		20
Benzo(k)fluoranthene		ND	10.5	9.31	88		9.79	93		40-140	5		20
Benzo(a)pyrene		ND	10.5	9.27	88		9.83	93		40-140	6		20
Indeno(1,2,3-cd)Pyrene		ND	10.5	9.04	86		9.53	90		40-140	5		20
Dibenz(a,h)anthracene		ND	10.5	9.09	86		9.57	91		40-140	5		20
Benzo(ghi)perylene		ND	10.5	9.28	88		9.75	93		40-140	5		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	81		86		15-115
2-Fluorobiphenyl	63		72		30-130
2-Fluorophenol	33		37		15-115
Nitrobenzene-d5	65		74		30-130
Phenol-d5	23		26		15-115

LDC #: 35767A2a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Reviewer: FT
2nd Reviewer: AVL

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?

Y N N/A Were the LCS/LCSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	WG852537-LCS ID	~~OOO~~	49 (60-140)	45 (60-140)	( )	all	J/UJ/P ND
		RRR	36 ( )	39 ( )	( )		
		A	32 ( )	30 ( )	( )		
		C	( )	59 ( )	( )		
		D	39 ( )	34 ( )	( )		
		E	40 ( )	35 ( )	( )		
		F	43 ( )	36 ( )	( )		
		G	( )	59 ( )	( )		
		K	36 ( )	34 ( )	( )		
		PPP	18 ( )	13 ( )	( )		
		R	44 ( )	37 ( )	( )		
		S	56 ( )	43 ( )	( )		
		U	33 ( )	34 ( )	( )		
		MMMM	28 ( )	28 ( )	( )		
		W	57 ( )	44 ( )	( )		
		UUUU	48 ( )	40 ( )	( )		
		X	41 ( )	40 ( )	( )		
		~~AA~~	( )	47 ( )	( )		
		DD	( )	58 ( )	( )		
		GG	( )	55 ( )	( )		
		JJ	( )	59 ( )	( )		
		II	45 ( )	48 ( )	( )		
		MM	( )	58 ( )	( )		
		SSS	12 ( )	30 ( )	( )		
			( )	( )	( )		

LDC #: 35767A2a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Reviewer: FT
2nd Reviewer: MC

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?

Y N N/A Were the LCS/LCSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	WG852537-LCS/D	PPP	( )	( )	32 (30)	all ↓	J/UJ/P (ND) ↓
		SSS	( )	( )	86 (30)		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
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			( )	( )	( )		

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Mohican Street, Glen Falls, NY

LDC Report Date: January 26, 2016

Parameters: Wet Chemistry

Validation Level: Stage 2B

Laboratory: Alpha Analytical, Inc.

Sample Delivery Group (SDG): L1533592

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
SW-1A-20151217	L1533592-01	Water	12/17/15
SW-1B-20151217	L1533592-02	Water	12/17/15
SW-1C-20151217	L1533592-03	Water	12/17/15
SW-2A-20151217	L1533592-04	Water	12/17/15
SW-2B-20151217	L1533592-05	Water	12/17/15
SW-2C-20151217	L1533592-06	Water	12/17/15
DUP-20151217	L1533592-07	Water	12/17/15
SW-3A-20151217	L1533592-09	Water	12/17/15
SW-3B-20151217	L1533592-10	Water	12/17/15
SW-3C-20151217	L1533592-11	Water	12/17/15
EB20151217	L1533592-12	Water	12/17/15
SW-2B-20151217MS	L1533592-05MS	Water	12/17/15
SW-2B-20151217DUP	L1533592-05DUP	Water	12/17/15

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Quality Assurance Project Plan for Former Mohican Street Manufactured Gas Plan-Operable Unit 2 (November 2015) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Inorganic Superfund Data Review (January 2010). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Dissolved Organic Carbon and Total Organic Carbon by Standard Method 5310C
Total Suspended Solids by Standard Method 2540C

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met with the following exceptions:

Sample	Analyte	Total Time From Sample Collection Until Filtration	Required Holding Time From Sample Collection Until Filtration	Flag	A or P
All samples in SDG L1533592	Dissolved organic carbon	5 days	48 hours	J (all detects)	P

II. Initial Calibration

All criteria for the initial calibration of each method were met.

III. Continuing Calibration

Continuing calibration frequency and analysis criteria were met for each method when applicable.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the methods. No contaminants were found in the laboratory blanks with the following exceptions:

Blank ID	Analyte	Maximum Concentration	Associated Samples
PB (prep blank)	Dissolved organic carbon	0.29 mg/L	All samples in SDG L1533592

Data qualification by the laboratory blanks was based on the maximum contaminant concentration in the laboratory blanks in the analysis of each analyte. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated laboratory blanks with the following exceptions:

Sample	Analyte	Reported Concentration	Modified Final Concentration
EB20151217	Dissolved organic carbon	0.12 mg/L	0.12U mg/L

V. Field Blanks

Sample EB20151217 was identified as a trip blank. No contaminants were found with the following exceptions:

Blank ID	Analyte	Concentration (mg/L)
EB20151217	Dissolved organic carbon	0.12

VI. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits.

VII. Duplicate Sample Analysis

Duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits.

IX. Field Duplicates

Samples SW-1B-20151217 and DUP-20151217 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Analyte	Concentration (mg/L)		RPD (Limits)
	SW-1B-20151217	DUP-20151217	
Total organic carbon	3.25	3.34	3 (≤50)
Dissolved organic carbon	3.5	3.6	3 (≤50)

X. Sample Result Verification

Raw data were not reviewed for Stage 2B validation.

XI. Overall Assessment of Data

The analysis was conducted within all specifications of the methods. No results were rejected in this SDG.

Due to holding time exceedance, data were qualified as estimated in eleven samples.

Due to laboratory blank contamination, data were qualified as not detected in one sample.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the data validation all other results are considered valid and usable for all purposes.

Mohican Street, Glen Falls, NY
Wet Chemistry - Data Qualification Summary - SDG L1533592

Sample	Analyte	Flag	A or P	Reason
SW-1A-20151217 SW-1B-20151217 SW-1C-20151217 SW-2A-20151217 SW-2B-20151217 SW-2C-20151217 DUP-20151217 SW-3A-20151217 SW-3B-20151217 SW-3C-20151217 EB20151217	Dissolved organic carbon	J (all detects)	P	Technical holding time (exceedance)

Mohican Street, Glen Falls, NY
Wet Chemistry - Laboratory Blank Data Qualification Summary - SDG L1533592

Sample	Analyte	Modified Final Concentration	A or P
EB20151217	Dissolved organic carbon	0.12U mg/L	A

LDC #: 35767A6
SDG #: L1533592
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Stage 2B

Date: 1/25/16
Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: (Analyte) Dissolved Organic Carbon, Total Organic Carbon, (SM 5310C), Total Suspended Solids (SM 2540C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A SW	
II	Initial calibration	A	
III.	Calibration verification	A	
IV	Laboratory Blanks	SW	
V	Field blanks	SW	EB=11
VI.	Matrix Spike/Matrix Spike Duplicates	A	
VII.	Duplicate sample analysis	A	
VIII.	Laboratory control samples	A	LCS
IX.	Field duplicates	SW	(2,7)
X.	Sample result verification	N	
XI.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	SW-1A-20151217	L1533592-01	Water	12/17/15
2	SW-1B-20151217	L1533592-02	Water	12/17/15
3	SW-1C-20151217	L1533592-03	Water	12/17/15
4	SW-2A-20151217	L1533592-04	Water	12/17/15
5	SW-2B-20151217	L1533592-05	Water	12/17/15
6	SW-2C-20151217	L1533592-06	Water	12/17/15
7	DUP-20151217	L1533592-07	Water	12/17/15
8	SW-3A-20151217	L1533592-09	Water	12/17/15
9	SW-3B-20151217	L1533592-10	Water	12/17/15
10	SW-3C-20151217	L1533592-11	Water	12/17/15
11	EB20151217	L1533592-12	Water	12/17/15
12	~~*~~ 5MS	" -05	"	"
13	~~*~~ 5DUP	" -05	"	"
14				
15				

Notes:

LDC #: 35767A6

VALIDATION FINDINGS WORKSHEET
Sample Specific Analysis Reference

Reviewer: CR
2nd reviewer: APC

All circled methods are applicable to each sample.

Sample ID	Parameter
1-11	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN (TOC) Cr6+ ClO_4 (DOC) (TSS)
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
12	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN (TOC) Cr6+ ClO_4 (DOC)
13	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN (TOC) Cr6+ ClO_4 (DOC) (TSS)
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4

Comments:

LDC #: 35767A6

VALIDATION FINDINGS WORKSHEET
Technical Holding Times

Reviewer: a
2nd reviewer: AM

All circled dates have exceeded the technical holding time.
(Y) N N/A Were all samples preserved as applicable to each method ?
(Y) N N/A Were all cooler temperatures within validation criteria?

Method:	SM5310C	
Parameters:	DOC	
Technical holding time:	Filtration - 48 hours	

Sample ID	Sampling date	Filtration date	Total Time	Qualifier	Analysis date	Time Exceeded	Qualifier
All	12/17/15	12/22/15	5 days	J/R/P (Det)			

LDC #: 35767A6

VALIDATION FINDINGS WORKSHEET
Blanks

Reviewer: CL
2nd Reviewer: TMC

METHOD: Inorganics, Method See Cover

Conc. units: mg/L **Associated Samples:** All

Analyte	Blank ID	Blank ID	Blank Action Limit									
	PB	ICB/CCB (mg/L)		11								
DOC	0.29		1.45	0.12								

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
All contaminants within five times the method blank concentration were qualified as not detected, "U".

LDC #: 35767A6
SDG #: —

VALIDATION FINDINGS WORKSHEET
Field Blanks

Page: 1 of 1
Reviewer: CA
2nd reviewer: APL

METHOD: Trace Metals (EPA SW 846 Method 6010/7000)

(Y) N N/A Were field blanks identified in this SDG?
Y N N/A Were target analytes detected in the field blanks?

Sample: 11 Field Blank / Trip Blank / Rinsate / Other (EB) (circle one)

Analyte	Concentration Units ( )
DOC	0.12 mg/L

Sample: _____ Field Blank / Trip Blank / Rinsate / Other_____ (circle one)

Analyte	Concentration Units ( )

LDC#: 35767A6

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Inorganics, Method See Cover

Analyte	Concentration (mg/L)		RPD (≤50)
	2	7	
TOC	3.25	3.34	3
DOC	3.5	3.6	3

\\LDCFILESERVER\Validation\FIELD DUPLICATES\FD_inorganic\35767A6.wpd

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Mohican Street, Glen Falls, NY

LDC Report Date: February 2, 2016

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Stage 2B

Laboratory: Alpha Analytical, Inc.

Sample Delivery Group (SDG): L1533592

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
SW-1A-20151217	L1533592-01	Water	12/17/15
SW-1B-20151217	L1533592-02	Water	12/17/15
SW-1C-20151217	L1533592-03	Water	12/17/15
SW-2A-20151217	L1533592-04	Water	12/17/15
SW-2B-20151217	L1533592-05	Water	12/17/15
SW-2C-20151217	L1533592-06	Water	12/17/15
DUP-20151217	L1533592-07	Water	12/17/15
SW-3A-20151217	L1533592-09	Water	12/17/15
SW-3B-20151217	L1533592-10	Water	12/17/15
SW-3C-20151217	L1533592-11	Water	12/17/15
EB20151217	L1533592-12	Water	12/17/15
SW-2B-20151217MS	L1533592-05MS	Water	12/17/15
SW-2B-20151217MSD	L1533592-05MSD	Water	12/17/15

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Quality Assurance Project Plan for Former Mohican Street Manufactured Gas Plan-Operable Unit 2 (November 2015) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Polynuclear Aromatic Hydrocarbons (PAHs) by Environmental Protection Agency (EPA) SW 846 Method 8270D in Selected Ion Monitoring (SIM) mode

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

A decafluorotriphenylphosphine (DFTPP) tune was performed at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For compounds where average relative response factors (RRFs) were utilized, percent relative standard deviations (%RSD) were less than or equal to 20.0%.

In the case where the laboratory used a calibration curve to evaluate the compounds, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all compounds were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all compounds.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all compounds.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks with the following exceptions:

Blank ID	Extraction Date	Compound	Concentration	Associated Samples
WG851972-1	12/22/15	Benzo(b)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene	7.12 ng/L 2.77 ng/L 6.23 ng/L	All samples in SDG L1533592

Sample concentrations were compared to concentrations detected in the laboratory blanks. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated laboratory blanks with the following exceptions:

Sample	Compound	Reported Concentration	Modified Final Concentration
SW-1A-20151217	Benzo(b)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene	7.47 ng/L 3.12 ng/L 6.64 ng/L	10.3U ng/L 10.3U ng/L 10.3U ng/L
SW-1B-20151217	Benzo(b)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene	8.04 ng/L 3.30 ng/L 7.01 ng/L	10.2U ng/L 10.2U ng/L 10.2U ng/L
SW-1C-20151217	Benzo(b)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene	8.05 ng/L 3.13 ng/L 6.98 ng/L	10.9U ng/L 10.9U ng/L 10.9U ng/L
SW-2A-20151217	Benzo(b)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene	7.90 ng/L 3.64 ng/L 7.07 ng/L	10.0U ng/L 10.0U ng/L 10.0U ng/L
SW-2B-20151217	Benzo(b)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene	7.72 ng/L 3.17 ng/L 6.75 ng/L	10.0U ng/L 10.0U ng/L 10.0U ng/L
SW-2C-20151217	Benzo(b)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene	7.82 ng/L 3.51 ng/L 6.97 ng/L	10.1U ng/L 10.1U ng/L 10.1U ng/L
DUP-20151217	Benzo(b)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene	7.29 ng/L 2.89 ng/L 6.45 ng/L	10.0U ng/L 10.0U ng/L 10.0U ng/L
SW-3A-20151217	Benzo(b)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene	7.58 ng/L 3.00 ng/L 6.60 ng/L	10.4U ng/L 10.4U ng/L 10.4U ng/L
SW-3B-20151217	Benzo(b)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene	7.46 ng/L 2.95 ng/L 6.60 ng/L	10.1U ng/L 10.1U ng/L 10.1U ng/L
SW-3C-20151217	Benzo(b)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene	7.45 ng/L 3.03 ng/L 6.56 ng/L	10.1U ng/L 10.1U ng/L 10.1U ng/L

Sample	Compound	Reported Concentration	Modified Final Concentration
EB20151217	Benzo(b)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene	7.16 ng/L 2.80 ng/L 6.34 ng/L	10.0U ng/L 10.0U ng/L 10.0U ng/L

VI. Field Blanks

Sample EB20151217 was identified as an equipment blank. No contaminants were found with the following exceptions:

Blank ID	Compound	Concentration (ng/L)
EB20151217	Naphthalene 2-Methylnaphthalene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	5.65 2.08 7.16 2.80 5.91 6.34 4.91

VII. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VIII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
SW-2B-20151217MS/MSD (SW-2B-20151217)	Dibenzo(a,h)anthracene	54 (60-140)	56 (60-140)	J (all detects) UJ (all non-detects)	A
	Benzo(g,h,i)perylene	56 (60-140)	57 (60-140)	J (all detects) UJ (all non-detects)	

Relative percent differences (RPD) were within QC limits.

IX. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

X. Field Duplicates

Samples SW-1B-20151217 and DUP-20151217 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Compound	Concentration (ng/L)		RPD (Limits)
	SW-1B-20151217	DUP-20151217	
Naphthalene	4.81	5.12	6 (≤50)
2-Methylnaphthalene	1.43	1.49	4 (≤50)
Phenanthrene	2.50	2.34	7 (≤50)
Fluoranthene	2.05	1.49U	200 (≤50)
Benzo(a)anthracene	5.11	1.73U	200 (≤50)
Benzo(b)fluoranthene	8.04	7.29	10 (≤50)
Benzo(k)fluoranthene	3.30	2.89	13 (≤50)
Benzo(a)pyrene	6.49	6.04	7 (≤50)
Indeno(1,2,3-cd)pyrene	7.01	6.45	8 (≤50)
Dibenz(a,h)anthracene	5.28	0.685U	200 (≤50)
Benzo(g,h,i)perylene	5.69	5.07	10 (≤50)

XI. Internal Standards

All internal standard areas and retention times were within QC limits.

XII. Compound Quantitation

Raw data were not reviewed for Stage 2B validation.

XIII. Target Compound Identifications

Raw data were not reviewed for Stage 2B validation.

XIV. System Performance

Raw data were not reviewed for Stage 2B validation.

XV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to MS/MSD %R, data were qualified as estimated in one sample.

Due to laboratory blank contamination, data were qualified as not detected in eleven samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the data validation all other results are considered valid and usable for all purposes.

Mohican Street, Glen Falls, NY
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG L1533592

Sample	Compound	Flag	A or P	Reason
SW-2B-20151217	Dibenzo(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R)

Mohican Street, Glen Falls, NY
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG L1533592

Sample	Compound	Modified Final Concentration	A or P
SW-1A-20151217	Benzo(b)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene	10.3U ng/L 10.3U ng/L 10.3U ng/L	A
SW-1B-20151217	Benzo(b)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene	10.2U ng/L 10.2U ng/L 10.2U ng/L	A
SW-1C-20151217	Benzo(b)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene	10.9U ng/L 10.9U ng/L 10.9U ng/L	A
SW-2A-20151217	Benzo(b)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene	10.0U ng/L 10.0U ng/L 10.0U ng/L	A
SW-2B-20151217	Benzo(b)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene	10.0U ng/L 10.0U ng/L 10.0U ng/L	A
SW-2C-20151217	Benzo(b)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene	10.1U ng/L 10.1U ng/L 10.1U ng/L	A
DUP-20151217	Benzo(b)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene	10.0U ng/L 10.0U ng/L 10.0U ng/L	A
SW-3A-20151217	Benzo(b)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene	10.4U ng/L 10.4U ng/L 10.4U ng/L	A
SW-3B-20151217	Benzo(b)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene	10.1U ng/L 10.1U ng/L 10.1U ng/L	A

Sample	Compound	Modified Final Concentration	A or P
SW-3C-20151217	Benzo(b)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene	10.1U ng/L 10.1U ng/L 10.1U ng/L	A
EB20151217	Benzo(b)fluoranthene Benzo(k)fluoranthene Indeno(1,2,3-cd)pyrene	10.0U ng/L 10.0U ng/L 10.0U ng/L	A

LDC #: 35767A2b **VALIDATION COMPLETENESS WORKSHEET** Date: 1/28/16
SDG #: L1533592 Stage 2B Page: 1 of 2
Laboratory: Alpha Analytical, Inc. Reviewer: FQ
2nd Reviewer: AVC

METHOD: GC/MS Polynuclear Aromatic Hydrocarbons (EPA SW 846 Method 8270D-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/A	%RSD ≤ 20, r² ICV ≤ 30
IV.	Continuing calibration	A	CCV ≤ 20
V.	Laboratory Blanks	SW	
VI.	Field blanks	SW	EB = 1
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	SW	
IX.	Laboratory control samples	A	LCS 10
X.	Field duplicates	SW	D = 2, 7
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	N	
XIII.	Target compound identification	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	

Note: A = Acceptable ND = No compounds detected D = Duplicate SB=Source blank
N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
SW = See worksheet FB = Field blank EB = Equipment blank

	Client ID	Lab ID	Matrix	Date
1	SW-1A-20151217	L1533592-01	Water	12/17/15
2	SW-1B-20151217 D	L1533592-02	Water	12/17/15
3	SW-1C-20151217	L1533592-03	Water	12/17/15
4	SW-2A-20151217	L1533592-04	Water	12/17/15
5	SW-2B-20151217	L1533592-05	Water	12/17/15
6	SW-2C-20151217	L1533592-06	Water	12/17/15
7	DUP-20151217 D	L1533592-07	Water	12/17/15
8	SW-3A-20151217	L1533592-09	Water	12/17/15
9	SW-3B-20151217	L1533592-10	Water	12/17/15
10	SW-3C-20151217	L1533592-11	Water	12/17/15
11	EB20151217	L1533592-12	Water	12/17/15
12	SW-2B-20151217MS	L1533592-05MS	Water	12/17/15
13	SW-2B-20151217MSD	L1533592-05MSD	Water	12/17/15

LDC #: 35767A2b **VALIDATION COMPLETENESS WORKSHEET** Date: 1/28/16
SDG #: L1533592 Stage 2B Page: 2 of 2
Laboratory: Alpha Analytical, Inc. Reviewer: FJ
2nd Reviewer: MC

METHOD: GC/MS Polynuclear Aromatic Hydrocarbons (EPA SW 846 Method 8270D-SIM)

	Client ID	Lab ID	Matrix	Date
14				
15				
16				
17				
18				
19				
20				

Notes:

	WG851972-1						

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

A. Phenol	T. 4-Chloroaniline	MM. 4-Chlorophenyl-phenyl ether	FFF. Di-n-octylphthalate	YYY. 2,3,5-Trimethylnaphthalene
B. Bis (2-chloroethyl) ether	U. Hexachlorobutadiene	NN. Fluorene	GGG. Benzo(b)fluoranthene	ZZZ. Perylene
C. 2-Chlorophenol	V. 4-Chloro-3-methylphenol	OO. 4-Nitroaniline	HHH. Benzo(k)fluoranthene	AAAA. Dibenzothiophene
D. 1,3-Dichlorobenzene	W. 2-Methylnaphthalene	PP. 4,6-Dinitro-2-methylphenol	III. Benzo(a)pyrene	BBBB. Benzo(a)fluoranthene
E. 1,4-Dichlorobenzene	X. Hexachlorocyclopentadiene	QQ. N-Nitrosodiphenylamine	JJJ. Indeno(1,2,3-cd)pyrene	CCCC. Benzo(b)fluorene
F. 1,2-Dichlorobenzene	Y. 2,4,6-Trichlorophenol	RR. 4-Bromophenyl-phenylether	KKK. Dibenz(a,h)anthracene	DDDD. cis/trans-Decalin
G. 2-Methylphenol	Z. 2,4,5-Trichlorophenol	SS. Hexachlorobenzene	LLL. Benzo(g,h,i)perylene	EEEE. Biphenyl
H. 2,2'-Oxybis(1-chloropropane)	AA. 2-Chloronaphthalene	TT. Pentachlorophenol	MMM. Bis(2-Chloroisopropyl)ether	FFFF. Retene
I. 4-Methylphenol	BB. 2-Nitroaniline	UU. Phenanthrene	NNN. Aniline	GGGG. C30-Hopane
J. N-Nitroso-di-n-propylamine	CC. Dimethylphthalate	VV. Anthracene	OOO. N-Nitrosodimethylamine	HHHH. 1-Methylphenanthrene
K. Hexachloroethane	DD. Acenaphthylene	WW. Carbazole	PPP. Benzoic Acid	IIII. 1,4-Dioxane
L. Nitrobenzene	EE. 2,6-Dinitrotoluene	XX. Di-n-butylphthalate	QQQ. Benzyl alcohol	JJJJ. Acetophenone
M. Isophorone	FF. 3-Nitroaniline	YY. Fluoranthene	RRR. Pyridine	KKKK. Atrazine
N. 2-Nitrophenol	GG. Acenaphthene	ZZ. Pyrene	SSS. Benzidine	LLLL. Benzaldehyde
O. 2,4-Dimethylphenol	HH. 2,4-Dinitrophenol	AAA. Butylbenzylphthalate	TTT. 1-Methylnaphthalene	MMMM. Caprolactam
P. Bis(2-chloroethoxy)methane	II. 4-Nitrophenol	BBB. 3,3'-Dichlorobenzidine	UUU.Benzo(b)thiophene	NNNN.
Q. 2,4-Dichlorophenol	JJ. Dibenzofuran	CCC. Benzo(a)anthracene	VVV.Benzonaphthothiophene	OOOO.
R. 1,2,4-Trichlorobenzene	KK. 2,4-Dinitrotoluene	DDD. Chrysene	WWW.Benzo(e)pyrene	PPPP.
S. Naphthalene	LL. Diethylphthalate	EEE. Bis(2-ethylhexyl)phthalate	XXX. 2,6-Dimethylnaphthalene	QQQQ.

LDC #: 35767A2b

VALIDATION FINDINGS WORKSHEET
Blanks

Reviewer: FT
2nd Reviewer: MPL

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a method blank analyzed for each matrix?
Y N N/A Was a method blank analyzed for each concentration preparation level?
Y N N/A Was a method blank associated with every sample?
Y N N/A Was the blank contaminated? If yes, please see qualification below.

Blank extraction date: 12/22/15 **Blank analysis date:** 12/23/15
Conc. units: ng/L Associated Samples: all

Compound	Blank ID	5x							
	WG851972-1		1	2	3	4	5	6	7
GGG	7.12	35.6	7.47/10.34	8.04/10.2U	8.05/10.9U	7.90/10.0U	7.72/10.0U	7.82/10.1U	7.29/10.0U
HHH	2.77	13.85	3.12	3.30	3.13	3.64	3.17	3.51	2.89
JJJ	6.23	31.15	6.64	7.01	6.98	7.07	6.75	6.97	6.45

Blank extraction date: 12/22/15 **Blank analysis date:** 12/23/15
Conc. units: ng/L Associated Samples: all

Compound	Blank ID								
	↓		8	9	10	11			
↓	↓		7.58/10.4U	7.46/10.1U	7.45/10.1U	7.16/10.0U			
			3.00	2.95	3.03	2.80			
			6.60	6.60	6.56	6.34			

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
Common contaminants such as the phthalates and TICs noted above that were detected in samples within ten times the associated method blank concentration were qualified as not detected, "U". Other contaminants within five times the method blank concentration were also qualified as not detected, "U".

LDC #: 35767A2b

VALIDATION FINDINGS WORKSHEET
Field Blanks

Reviewer: FT
2nd reviewer: AR

METHOD: GC/MS PAH (EPA SW 846 Method 8270D-sim)

Y N N/A Were field blanks identified in this SDG?
Y N N/A Were target compounds detected in the field blanks?

Sample: 11 (EB) Field Blank / Trip Blank / Rinsate (circle one)

Compound	Concentration Units: ng/L
S	5.65
W	2.08
GGG	7.16
HHH	2.80
III	5.91
JJJ	6.34
LLL	4.91

LDC #: 35767 A2b

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Reviewer: FT
2nd Reviewer: APC

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.

Y N N/A Was a MS/MSD analyzed every 20 samples of each matrix?

Y N N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	12 + 13	KKK	54 (60-140)	56 (60-140)	( )	5	J/UJ/A (ND+Det)
		LLL	56 (↓)	57 (↓)	( )	↓	↓
			( )	( )			
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

LDC#: 35767A2b **VALIDATION FINDINGS WORKSHEET**
Field Duplicates

Reviewer: EB
2nd Reviewer: AML

METHOD: GCMS VOA (EPA SW 846 Method 8260C)

Compound	Concentration (ng/L)		(≤50)
	2	7	RPD
S	4.81	5.12	6
W	1.43	1.49	4
UU	2.50	2.34	7
YY	2.05	1.49U	200
CCC	5.11	1.73U	200
GGG	8.04	7.29	10
HHH	3.30	2.89	13
III	6.49	6.04	7
JJJ	7.01	6.45	8
KKK	5.28	0.685U	200
LLL	5.59	5.07	10

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LDC #: 35767

EDD POPULATION COMPLETENESS WORKSHEET

Anchor

Date: 2.10.16

2nd Reviewer: SC

The LDC job number listed above was entered by W.

	EDD Process	Y/N	Init	Comments/Action
I.	EDD Completeness	-		
Ia.	- All methods present?	✓	W	
Ib.	- All samples present/match report?	✓	W	
Ic.	- All reported analytes present?	✓	W	
Id	-10% verification of EDD?	✓	W	
II.	EDD Preparation/Entry	-		
IIa.	- QC Level applied? (EPAStage2B or EPAStage4)	✓	W	
IIb.	- Laboratory EMPC qualified results qualified (J with reason code 23)?	na	W	
III.	Reasonableness Checks	-		
IIIa.	- Do all qualified ND results have ND qualifier (i.e. UJ)?	✓	W	
IIIb.	- Do all qualified detect results have detect qualifier (i.e. J)?	✓	W	
IIIc.	- If reason codes used, do all qualified results have reason code field populated, and vice versa?	✓	W	
IIId.	- Do blank concentrations in report match EDD, where data was qualified due to blank?	✓	W	
IIIe.	- Were any results reported above calibration range? If so, were results qualified appropriately?	na	W	
IIIf.	- Are all results marked reportable "Yes" unless rejected for overall assessment in the data validation report?	✓	W	
IIIg.	-Are there any lab "R" qualified data? / Are the entry columns blank for these results?	N / A	W	
IIIh.	- Is the detect flag set to "N" for all "U" qualified blank results?	✓	W	

Notes: *see readme

The attached zipped file contains two files:

File	Format	Description
1) Readme_Mohican_021016.doc	MS Word 2003	A "Readme" file (this document).
2) LDC35767_L1533592_VEDD_20160127.xls	MS Excel 2007	A spreadsheet for the following SDG(s): L1533592 35767A

No discrepancies were observed between the hardcopy data packages and the electronic data deliverables during EDD population of validation qualifiers. A 100% verification of the EDD was not performed.

Please contact Christina Rink at (760) 827-1100 if you have any questions regarding this electronic data submittal.

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Anchor Environmental, LLC
720 Olive Way, Suite 1900
Seattle, WA 98101
ATTN: Ms. Cindy Fields

May 2, 2016

SUBJECT: Mohican Street, Glen Falls, NY, Data Validation

Dear Ms. Fields,

Enclosed is the final validation report for the fractions listed below. This SDG was received on April 11, 2016. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #36162:

SDG #	Fraction
L1627846	Volatiles, Semivolatiles, Polynuclear Aromatic Hydrocarbons, Wet Chemistry

The data validation was performed under Stage 2B guidelines. The analyses were validated using the following documents, as applicable to each method:

- Quality Assurance Project Plan for Former Mohican Street Manufactured Gas Plan-Operable Unit 2 , November 2015
- USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, June 2008
- USEPA Contract Laboratory National Functional Guidelines for Inorganic Superfund Data Review, January 2010
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; Update IV, February 2007

Please feel free to contact us if you have any questions.

Sincerely,

Christina Rink
Project Manager/Chemist

274 pages-SF

Attachment 1

EDD Stage 2B

LDC #36162 (Anchor Environmental-Seattle WA / Mohican Street, Glen Falls, NY)

LDC	SDG#	DATE REC'D	(3) DATE DUE	VOA (8260C)		SVOA (8270D)		PAHs (8270D-SIM)		DOC (5310C)		TOC (5310C)		TSS (2540D)																							
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	L1627846	04/11/16	05/02/16	10	0	9	0	9	0	9	0	9	0	9	0																				
Total	T/CR			10	0	9	0	9	0	9	0	9	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55

Shaded cells indicate Stage 4 validation (all other cells are Stage 2B validation). These sample counts do not include MS, MSD, or DUP's.

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Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Mohican Street, Glen Falls, NY

LDC Report Date: April 27, 2016

Parameters: Volatiles

Validation Level: Stage 2B

Laboratory: Alpha Analytical, Inc.

Sample Delivery Group (SDG): L1607846

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
SW-1A-20160316	L1607846-01	Water	03/16/16
SW-1B-20160316	L1607846-02	Water	03/16/16
SW-1C-20160316	L1607846-03	Water	03/16/16
SW-2A-20160316	L1607846-04	Water	03/16/16
SW-2C-20160316	L1607846-05	Water	03/16/16
SW-2B-20160316	L1607846-06	Water	03/16/16
SW-3A-20160316	L1607846-07	Water	03/16/16
SW-3B-20160316	L1607846-08	Water	03/16/16
SW-3C-20160316	L1607846-09	Water	03/16/16
TRIP BLANK	L1607846-10	Water	03/16/16

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Quality Assurance Project Plan for Former Mohican Street Manufactured Gas Plan-Operable Unit 2 (November 2015) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW 846 Method 8260C

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

A bromofluorobenzene (BFB) tune was performed at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For compounds where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 20.0%.

In the case where the laboratory used a calibration curve to evaluate the compounds, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all compounds were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all compounds with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
03/16/16	Vinyl chloride Trichlorofluoromethane	33.10114 33.36334	All samples in SDG L1607846	NA	-

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all compounds with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
03/29/16	Chloromethane	20.32199	SW-1C-20160316	J (all detects)	A

Date	Compound	%D	Associated Samples	Flag	A or P
03/29/16	Chloromethane	20.32199	SW-1A-20160316 SW-1B-20160316 SW-2A-20160316 SW-2C-20160316 SW-2B-20160316 SW-3A-20160316 SW-3B-20160316 SW-3C-20160316 TRIP BLANK	NA	-
03/29/16	Vinyl chloride Chloroethane Trichlorofluoromethane Methyl acetate Vinyl acetate 1,2-Dichloroethane 1,1,2,2-Tetrachloroethane 1,2-Dibromo-3-chloropropane	28.99226 82.12480 34.92473 21.24785 39.26812 22.29391 28.98438 28.67974	All samples in SDG L1607846	NA	-

All of the continuing calibration relative response factors (RRF) were within validation criteria.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

Sample TRIP BLANK was identified as a trip blank. No contaminants were found with the following exceptions:

Blank ID	Compound	Concentration (ug/L)
TRIP BLANK	Toluene Bromomethane Acetone	0.28 0.60 2.6

VII. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VIII. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

IX. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	Flag	A or P
WG878773-LCS/D (All samples in SDG L1607846)	Chloromethane	-	59 (60-140)	J (all detects) UJ (all non-detects)	P
WG878773-LCS/D (All samples in SDG L1607846)	Chloroethane	182 (60-140)	144 (60-140)	NA	-

Relative percent differences (RPD) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Compound	RPD (Limits)	Flag	A or P
WG878773-LCS/D (All samples in SDG L1607846)	Chloromethane	68 (≤30)	J (all detects) UJ (all non-detects)	P

X. Field Duplicates

No field duplicates were identified in this SDG.

XI. Internal Standards

All internal standard areas and retention times were within QC limits.

XII. Compound Quantitation

Raw data were not reviewed for Stage 2B validation.

XIII. Target Compound Identifications

Raw data were not reviewed for Stage 2B validation.

XIV. System Performance

Raw data were not reviewed for Stage 2B validation.

XV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to continuing calibration %D and LCS/LCSD %R and RPD, data were qualified as estimated in ten samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the data validation all other results are considered valid and usable for all purposes.

Mohican Street, Glen Falls, NY
Volatiles - Data Qualification Summary - SDG L1607846

Sample	Compound	Flag	A or P	Reason
SW-1C-20160316	Chloromethane	J (all detects)	A	Continuing calibration (%D)
SW-1A-20160316 SW-1B-20160316 SW-1C-20160316 SW-2A-20160316 SW-2C-20160316 SW-2B-20160316 SW-3A-20160316 SW-3B-20160316 SW-3C-20160316 TRIP BLANK	Chloromethane	J (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)(RPD)

Mohican Street, Glen Falls, NY
Volatiles - Laboratory Blank Data Qualification Summary - SDG L1607846

No Sample Data Qualified in this SDG

LDC #: 36162A1
SDG #: L1607846
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Stage 2B

Date: 4/19/16
Page: 1 of 1
Reviewer: EJ
2nd Reviewer: AL

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/SW	%RSD ≤ 20, r^2 ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	A	
VI.	Field blanks	SW	TB = ND
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	CS
IX.	Laboratory control samples	SW	LCS/D
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	N	
XIII.	Target compound identification	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	SW1A 20160316	L1607846-01	Water	03/16/16
2	SW1B 20160316	L1607846-02	Water	03/16/16
3	SW1C 20160316	L1607846-03	Water	03/16/16
4	SW2A 20160316	L1607846-04	Water	03/16/16
5	SW2C 20160316	L1607846-05	Water	03/16/16
6	SW2B 20160316	L1607846-06	Water	03/16/16
7	SW3A 20160316	L1607846-07	Water	03/16/16
8	SW3B 20160316	L1607846-08	Water	03/16/16
9	SW3C 20160316	L1607846-09	Water	03/16/16
10	TRIP BLANK	L1607846-10	Water	03/16/16
11				
12	WG878773-MB			
13				

Add dash before number + after letter - all

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 36162A 1

VALIDATION FINDINGS WORKSHEET
Initial Calibration Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer: CR

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was an initial calibration verification standard analyzed after each ICAL for each instrument?

Y N N/A Were all %D within the validation criteria of ≤20 %D?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤30.0%)	Associated Samples	Qualifications
+	3/16/16	0215N16-ICV	C	33.10114	all	J (all / A) (ND)
+			KK	33.36334	↓	↓

LDC #:_____

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
†	3/29/16	0329A02-ccv	A	20.32199		All	J det/A #3 Det for A
+			C	28.99226			ND
+			D	82.12480			
+			KK	34.92473			
+			QQQQ	21.24785			
+			HH	39.26812			
†			L	22.29391			
+			BB	28.98438			
†			MM	28.67974			

LDC #: 36162A1

VALIDATION FINDINGS WORKSHEET
Field Blanks

Page: 1 of 1
Reviewer: FT
2nd reviewer: CA

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Y N N/A Were field blanks identified in this SDG?
Y N N/A Were target compounds detected in the field blanks?

Sample: 10 Field Blank / Trip Blank / Rinsate (circle one)

Compound	Concentration Units (ug/L)
cc	0.28
B	0.60
F	2.6

Sample: _____ Field Blank / Trip Blank / Rinsate (circle one)

Compound	Concentration Units ( )

Sample: _____ Field Blank / Trip Blank / Rinsate (circle one)

Compound	Concentration Units ( )

LDC #: 36162A

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?

Y N N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	WG878773-	A	( )	59 (60-140)	( )	All	J/UJ/P ND+Det
	LCSID	D	182 (60-140)	144 (60-140)	( )	↓	J det / P ND
		A	( )	( )	68 (30)	↓	J/UJ/P ND+Det
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
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			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Mohican Street, Glen Falls, NY

LDC Report Date: April 27, 2016

Parameters: Semivolatiles

Validation Level: Stage 2B

Laboratory: Alpha Analytical, Inc.

Sample Delivery Group (SDG): L1607846

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
SW-1A-20160316	L1607846-01	Water	03/16/16
SW-1B-20160316	L1607846-02	Water	03/16/16
SW-1C-20160316	L1607846-03	Water	03/16/16
SW-2A-20160316	L1607846-04	Water	03/16/16
SW-2C-20160316	L1607846-05	Water	03/16/16
SW-2B-20160316	L1607846-06	Water	03/16/16
SW-3A-20160316	L1607846-07	Water	03/16/16
SW-3B-20160316	L1607846-08	Water	03/16/16
SW-3C-20160316	L1607846-09	Water	03/16/16

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Quality Assurance Project Plan for Former Mohican Street Manufactured Gas Plan-Operable Unit 2 (November 2015) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Semivolatile Organic Compounds (SVOCs) by Environmental Protection Agency (EPA) SW 846 Method 8270D

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

A decafluorotriphenylphosphine (DFTPP) tune was performed at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For compounds where average relative response factors (RRFs) were utilized, percent relative standard deviations (%RSD) were less than or equal to 20.0%.

In the case where the laboratory used a calibration curve to evaluate the compounds, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all compounds were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all compounds.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all compounds with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
03/30/16	2,4-Dinitrophenol 2,3,4,6-Tetrachlorophenol	34.3 24.9	SW-1C-20160316	NA	-

All of the continuing calibration relative response factors (RRF) were within validation criteria.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

No field blanks were identified in this SDG.

VII. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VIII. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

IX. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	Flag	A or P
WG876532-LCS/D (All samples in SDG L1607846)	N-Nitrosodimethylamine	56 (60-140)	55 (60-140)	UJ (all non-detects)	P
	Pyridine	46 (60-140)	47 (60-140)	UJ (all non-detects)	
	Phenol	41 (60-140)	39 (60-140)	UJ (all non-detects)	
	Benzoic acid	27 (60-140)	14 (60-140)	UJ (all non-detects)	
	Caprolactam	28 (60-140)	27 (60-140)	UJ (all non-detects)	
	4-Nitrophenol	46 (60-140)	46 (60-140)	UJ (all non-detects)	
	Benzidine	23 (60-140)	25 (60-140)	UJ (all non-detects)	

Relative percent differences (RPD) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Compound	RPD (Limits)	Flag	A or P
WG876532-LCS/D (All samples in SDG L1607846)	Benzoic acid	63 (≤30)	UJ (all non-detects)	P

X. Field Duplicates

No field duplicates were identified in this SDG.

XI. Internal Standards

All internal standard areas and retention times were within QC limits.

XII. Compound Quantitation

Raw data were not reviewed for Stage 2B validation.

XIII. Target Compound Identifications

Raw data were not reviewed for Stage 2B validation.

XIV. System Performance

Raw data were not reviewed for Stage 2B validation.

XV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to LCS/LCSD %R and RPD, data were qualified as estimated in nine samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the data validation all other results are considered valid and usable for all purposes.

Mohican Street, Glen Falls, NY
Semivolatiles - Data Qualification Summary - SDG L1607846

Sample	Compound	Flag	A or P	Reason
SW-1A-20160316 SW-1B-20160316 SW-1C-20160316 SW-2A-20160316 SW-2C-20160316 SW-2B-20160316 SW-3A-20160316 SW-3B-20160316 SW-3C-20160316	N-Nitrosodimethylamine Pyridine Phenol Benzoic acid Caprolactam 4-Nitrophenol Benzidine	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P	Laboratory control samples (%R)
SW-1A-20160316 SW-1B-20160316 SW-1C-20160316 SW-2A-20160316 SW-2C-20160316 SW-2B-20160316 SW-3A-20160316 SW-3B-20160316 SW-3C-20160316	Benzoic acid	UJ (all non-detects)	P	Laboratory control samples (RPD)

Mohican Street, Glen Falls, NY
Semivolatiles - Laboratory Blank Data Qualification Summary - SDG L1607846

No Sample Data Qualified in this SDG

LDC #: 36162A2a **VALIDATION COMPLETENESS WORKSHEET** Date: 4/19/16
SDG #: L1607846 Stage 2B Page: 1 of 1
Laboratory: Alpha Analytical, Inc. Reviewer: FD
2nd Reviewer: JV

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A / A	%RSD ≤ 20, r² ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	CS
IX.	Laboratory control samples	SW	LCS ID
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	N	
XIII.	Target compound identification	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	SW1A 20160316	L1607846-01	Water	03/16/16
2	SW1B 20160316	L1607846-02	Water	03/16/16
3	SW1C 20160316	L1607846-03	Water	03/16/16
4	SW2A 20160316	L1607846-04	Water	03/16/16
5	SW2C 20160316	L1607846-05	Water	03/16/16
6	SW2B 20160316	L1607846-06	Water	03/16/16
7	SW3A 20160316	L1607846-07	Water	03/16/16
8	SW3B 20160316	L1607846-08	Water	03/16/16
9	SW3C 20160316	L1607846-09	Water	03/16/16
10				
11				
12	WG876532-MB			
13				

Add dash before number + after letter - all

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

A. Phenol	AA. 2-Chloronaphthalene	AAA. Butylbenzylphthalate	AAAA. Dibenzothiophene	A1.
B. Bis (2-chloroethyl) ether	BB. 2-Nitroaniline	BBB. 3,3'-Dichlorobenzidine	BBBB. Benzo(a)fluoranthene	B1.
C. 2-Chlorophenol	CC. Dimethylphthalate	CCC. Benzo(a)anthracene	CCCC. Benzo(b)fluorene	C1.
D. 1,3-Dichlorobenzene	DD. Acenaphthylene	DDD. Chrysene	DDDD. cis/trans-Decalin	D1.
E. 1,4-Dichlorobenzene	EE. 2,6-Dinitrotoluene	EEE. Bis(2-ethylhexyl)phthalate	EEEE. Biphenyl	E1.
F. 1,2-Dichlorobenzene	FF. 3-Nitroaniline	FFF. Di-n-octylphthalate	FFFF. Retene	F1.
G. 2-Methylphenol	GG. Acenaphthene	GGG. Benzo(b)fluoranthene	GGGG. C30-Hopane	G1.
H. 2,2'-Oxybis(1-chloropropane)	HH. 2,4-Dinitrophenol	HHH. Benzo(k)fluoranthene	HHHH. 1-Methylphenanthrene	H1.
I. 4-Methylphenol	II. 4-Nitrophenol	III. Benzo(a)pyrene	IIII. 1,4-Dioxane	I1.
J. N-Nitroso-di-n-propylamine	JJ. Dibenzofuran	JJJ. Indeno(1,2,3-cd)pyrene	JJJJ. Acetophenone	J1.
K. Hexachloroethane	KK. 2,4-Dinitrotoluene	KKK. Dibenz(a,h)anthracene	KKKK. Atrazine	K1.
L. Nitrobenzene	LL. Diethylphthalate	LLL. Benzo(g,h,i)perylene	LLLL. Benzaldehyde	L1.
M. Isophorone	MM. 4-Chlorophenyl-phenyl ether	MMM. Bis(2-Chloroisopropyl)ether	MMMM. Caprolactam	M1.
N. 2-Nitrophenol	NN. Fluorene	NNN. Aniline	NNNN. 2,6-Dichlorophenol	N1.
O. 2,4-Dimethylphenol	OO. 4-Nitroaniline	OOO. N-Nitrosodimethylamine	OOOO. 2,6-Dinitrotoluene	O1.
P. Bis(2-chloroethoxy)methane	PP. 4,6-Dinitro-2-methylphenol	PPP. Benzoic Acid	PPPP. 3-Methylphenol	P1.
Q. 2,4-Dichlorophenol	QQ. N-Nitrosodiphenylamine	QQQ. Benzyl alcohol	QQQQ. 3&4 Methylphenol	Q1.
R. 1,2,4-Trichlorobenzene	RR. 4-Bromophenyl-phenylether	RRR. Pyridine	RRRR. 4-Dimethyldibenzothiphene (4MDT)	R1.
S. Naphthalene	SS. Hexachlorobenzene	SSS. Benzidine	SSSS. 2/3-Dimethyldibenzothiophene (4MDT)	S1.
T. 4-Chloroaniline	TT. Pentachlorophenol	TTT. 1-Methylnaphthalene	TTTT. 1-Methyldibenzothiophene (1MDT)	T1.
U. Hexachlorobutadiene	UU. Phenanthrene	UUU.Benzo(b)thiophene	UUUU. 2, 3, 4, 6 - Tetrachlorophenol	U1.
V. 4-Chloro-3-methylphenol	VV. Anthracene	VVV.Benzonaphthothiophene	VVVV.	V1.
W. 2-Methylnaphthalene	WW. Carbazole	WWW.Benzo(e)pyrene	WWWW.	W1.
X. Hexachlorocyclopentadiene	XX. Di-n-butylphthalate	XXX. 2,6-Dimethylnaphthalene	XXXX.	X1.
Y. 2,4,6-Trichlorophenol	YY. Fluoranthene	YYY. 2,3,5-Trimethylnaphthalene	YYYY.	Y1.
Z. 2,4,5-Trichlorophenol	ZZ. Pyrene	ZZZ. Perylene	ZZZZ.	Z1.

LDC #: 36162A2a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours of sample analysis for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
+	3/30/16	F80330161l-CC	HH	34.3		3	Jdet/A (ND)
+			HHHH	24.9		↓	↓

CONCAL.wpd

LDC #: 36162A2a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Page: 1 of
Reviewer: FT
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?

Y N N/A Were the LCS/LCSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	WG876532-1/2	ooo	56 (60-140)	55 (60-140)	( )	All	J/UJ/P all ND
		RRR	46 ( )	47 ( )	( )		
		A	41 ( )	39 ( )	( )		
		PPP	27 ( )	14 ( )	( )		
		MMMM	28 ( )	27 ( )	( )		
		II	46 ( )	46 ( )	( )		
		SSS	23 ( )	25 ( )	( )		
		PPP	( )	( )	63 (30)		
			( )	( )	( )		
			( )	( )	( )		
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Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Mohican Street, Glen Falls, NY

LDC Report Date: April 27, 2016

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Stage 2B

Laboratory: Alpha Analytical, Inc.

Sample Delivery Group (SDG): L1607846

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
SW-1A-20160316	L1607846-01	Water	03/16/16
SW-1B-20160316	L1607846-02	Water	03/16/16
SW-1C-20160316	L1607846-03	Water	03/16/16
SW-2A-20160316	L1607846-04	Water	03/16/16
SW-2C-20160316	L1607846-05	Water	03/16/16
SW-2B-20160316	L1607846-06	Water	03/16/16
SW-3A-20160316	L1607846-07	Water	03/16/16
SW-3B-20160316	L1607846-08	Water	03/16/16
SW-3C-20160316	L1607846-09	Water	03/16/16

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Quality Assurance Project Plan for Former Mohican Street Manufactured Gas Plan-Operable Unit 2 (November 2015) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Polynuclear Aromatic Hydrocarbons (PAHs) by Environmental Protection Agency (EPA) SW 846 Method 8270D in Selected Ion Monitoring (SIM) mode

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

A decafluorotriphenylphosphine (DFTPP) tune was performed at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For compounds where average relative response factors (RRFs) were utilized, percent relative standard deviations (%RSD) were less than or equal to 20.0%.

In the case where the laboratory used a calibration curve to evaluate the compounds, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all compounds were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all compounds.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all compounds.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks with the following exceptions:

Blank ID	Extraction Date	Compound	Concentration	Associated Samples
WG876674-MB	03/23/16	Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene	6.77 ng/L 5.08 ng/L	All samples in SDG L1607846

Sample concentrations were compared to concentrations detected in the laboratory blanks. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated laboratory blanks with the following exceptions:

Sample	Compound	Reported Concentration	Modified Final Concentration
SW-1A-20160316	Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene	7.12 ng/L 5.18 ng/L	10.3U ng/L 10.3U ng/L
SW-1B-20160316	Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene	6.92 ng/L 5.05 ng/L	10.1U ng/L 10.1U ng/L
SW-1C-20160316	Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene	7.02 ng/L 5.09 ng/L	10.1U ng/L 10.1U ng/L
SW-2A-20160316	Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene	7.97 ng/L 5.86 ng/L	11.2U ng/L 11.2U ng/L
SW-2C-20160316	Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene	7.11 ng/L 5.16 ng/L	10.3U ng/L 10.3U ng/L
SW-2B-20160316	Indeno(1,2,3-cd)pyrene	7.23 ng/L	10.5U ng/L
SW-3A-20160316	Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene	7.49 ng/L 5.33 ng/L	10.4U ng/L 10.4U ng/L
SW-3B-20160316	Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene	7.62 ng/L 5.55 ng/L	11.0U ng/L 11.0U ng/L
SW-3C-20160316	Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene	7.43 ng/L 5.49 ng/L	10.8U ng/L 10.8U ng/L

VI. Field Blanks

No field blanks were identified in this SDG.

VII. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VIII. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

IX. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

X. Field Duplicates

No field duplicates were identified in this SDG.

XI. Internal Standards

All internal standard areas and retention times were within QC limits.

XII. Compound Quantitation

Raw data were not reviewed for Stage 2B validation.

XIII. Target Compound Identifications

Raw data were not reviewed for Stage 2B validation.

XIV. System Performance

Raw data were not reviewed for Stage 2B validation.

XV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to laboratory blank contamination, data were qualified as not detected in nine samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Based upon the data validation all other results are considered valid and usable for all purposes.

Mohican Street, Glen Falls, NY
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG L1607846

No Sample Data Qualified in this SDG

Mohican Street, Glen Falls, NY
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG L1607846

Sample	Compound	Modified Final Concentration	A or P
SW-1A-20160316	Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene	10.3U ng/L 10.3U ng/L	A
SW-1B-20160316	Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene	10.1U ng/L 10.1U ng/L	A
SW-1C-20160316	Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene	10.1U ng/L 10.1U ng/L	A
SW-2A-20160316	Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene	11.2U ng/L 11.2U ng/L	A
SW-2C-20160316	Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene	10.3U ng/L 10.3U ng/L	A
SW-2B-20160316	Indeno(1,2,3-cd)pyrene	10.5U ng/L	A
SW-3A-20160316	Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene	10.4U ng/L 10.4U ng/L	A
SW-3B-20160316	Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene	11.0U ng/L 11.0U ng/L	A
SW-3C-20160316	Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene	10.8U ng/L 10.8U ng/L	A

LDC #: 36162A2b **VALIDATION COMPLETENESS WORKSHEET** Date: 4/19/16
SDG #: L1607846 Stage 2B Page: 1 of 1
Laboratory: Alpha Analytical, Inc. Reviewer: F
2nd Reviewer:

METHOD: GC/MS Polynuclear Aromatic Hydrocarbons (EPA SW 846 Method 8270D-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A /A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A /A	%D RSD ≤20, 1st ICV ≤ 30
IV.	Continuing calibration	A	CCV ≤ 20
V.	Laboratory Blanks	SW	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	CS
IX.	Laboratory control samples	A	LCS /D
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	N	
XIII.	Target compound identification	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	

Note: A = Acceptable ND = No compounds detected D = Duplicate SB=Source blank
N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
SW = See worksheet FB = Field blank EB = Equipment blank

	Client ID	Lab ID	Matrix	Date
1	SW1A 20160316	L1607846-01	Water	03/16/16
2	SW1B 20160316	L1607846-02	Water	03/16/16
3	SW1C 20160316	L1607846-03	Water	03/16/16
4	SW2A 20160316	L1607846-04	Water	03/16/16
5	SW2C 20160316	L1607846-05	Water	03/16/16
6	SW2B 20160316	L1607846-06	Water	03/16/16
7	SW3A 20160316	L1607846-07	Water	03/16/16
8	SW3B 20160316	L1607846-08	Water	03/16/16
9	SW3C 20160316	L1607846-09	Water	03/16/16
10				
11				
12				
13				

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

A. Phenol	AA. 2-Chloronaphthalene	AAA. Butylbenzylphthalate	AAAA. Dibenzothiophene	A1.
B. Bis (2-chloroethyl) ether	BB. 2-Nitroaniline	BBB. 3,3'-Dichlorobenzidine	BBBB. Benzo(a)fluoranthene	B1.
C. 2-Chlorophenol	CC. Dimethylphthalate	CCC. Benzo(a)anthracene	CCCC. Benzo(b)fluorene	C1.
D. 1,3-Dichlorobenzene	DD. Acenaphthylene	DDD. Chrysene	DDDD. cis/trans-Decalin	D1.
E. 1,4-Dichlorobenzene	EE. 2,6-Dinitrotoluene	EEE. Bis(2-ethylhexyl)phthalate	EEEE. Biphenyl	E1.
F. 1,2-Dichlorobenzene	FF. 3-Nitroaniline	FFF. Di-n-octylphthalate	FFFF. Retene	F1.
G. 2-Methylphenol	GG. Acenaphthene	GGG. Benzo(b)fluoranthene	GGGG. C30-Hopane	G1.
H. 2,2'-Oxybis(1-chloropropane)	HH. 2,4-Dinitrophenol	HHH. Benzo(k)fluoranthene	HHHH. 1-Methylphenanthrene	H1.
I. 4-Methylphenol	II. 4-Nitrophenol	III. Benzo(a)pyrene	IIII. 1,4-Dioxane	I1.
J. N-Nitroso-di-n-propylamine	JJ. Dibenzofuran	JJJ. Indeno(1,2,3-cd)pyrene	JJJJ. Acetophenone	J1.
K. Hexachloroethane	KK. 2,4-Dinitrotoluene	KKK. Dibenz(a,h)anthracene	KKKK. Atrazine	K1.
L. Nitrobenzene	LL. Diethylphthalate	LLL. Benzo(g,h,i)perylene	LLLL. Benzaldehyde	L1.
M. Isophorone	MM. 4-Chlorophenyl-phenyl ether	MMM. Bis(2-Chloroisopropyl)ether	MMMM. Caprolactam	M1.
N. 2-Nitrophenol	NN. Fluorene	NNN. Aniline	NNNN. 2,6-Dichlorophenol	N1.
O. 2,4-Dimethylphenol	OO. 4-Nitroaniline	OOO. N-Nitrosodimethylamine	OOOO. 2,6-Dinitrotoluene	O1.
P. Bis(2-chloroethoxy)methane	PP. 4,6-Dinitro-2-methylphenol	PPP. Benzoic Acid	PPPP. 3-Methylphenol	P1.
Q. 2,4-Dichlorophenol	QQ. N-Nitrosodiphenylamine	QQQ. Benzyl alcohol	QQQQ. 3&4 Methylphenol	Q1.
R. 1,2,4-Trichlorobenzene	RR. 4-Bromophenyl-phenylether	RRR. Pyridine	RRRR. 4-Dimethyldibenzothiphene (4MDT)	R1.
S. Naphthalene	SS. Hexachlorobenzene	SSS. Benzidine	SSSS. 2/3-Dimethyldibenzothiophene (4MDT)	S1.
T. 4-Chloroaniline	TT. Pentachlorophenol	TTT. 1-Methylnaphthalene	TTTT. 1-Methyldibenzothiophene (1MDT)	T1.
U. Hexachlorobutadiene	UU. Phenanthrene	UUU.Benzo(b)thiophene	UUUU.	U1.
V. 4-Chloro-3-methylphenol	VV. Anthracene	VVV.Benzonaphthothiophene	VVVV.	V1.
W. 2-Methylnaphthalene	WW. Carbazole	WWW.Benzo(e)pyrene	WWWW.	W1.
X. Hexachlorocyclopentadiene	XX. Di-n-butylphthalate	XXX. 2,6-Dimethylnaphthalene	XXXX.	X1.
Y. 2,4,6-Trichlorophenol	YY. Fluoranthene	YYY. 2,3,5-Trimethylnaphthalene	YYYY.	Y1.
Z. 2,4,5-Trichlorophenol	ZZ. Pyrene	ZZZ. Perylene	ZZZZ.	Z1.

LDC #: 36162 A2b

VALIDATION FINDINGS WORKSHEET
Blanks

Page: 1 of ___
Reviewer: FT
2nd Reviewer: ___

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a method blank analyzed for each matrix?
Y N N/A Was a method blank analyzed for each concentration preparation level?
Y N N/A Was a method blank associated with every sample?
Y N N/A Was the blank contaminated? If yes, please see qualification below.

Blank extraction date: 3/23/16 **Blank analysis date:** 3/25/16
Conc. units: ng/L Associated Samples: All

Compound	Blank ID								
	WG876674-MB 5X	1	2	3	4	5	6	7
JJJ	6.77	33.85	7.12 / 10.3U	6.92 / 10.1U	7.02 / 10.1U	7.97 / 11.2U	7.11 / 10.3U	7.23 / 10.5U	7.49 / 10.4U
KKK	5.08	25.4	5.18 / ↓	5.05 / ↓	5.09 / ↓	5.86 / ↓	5.16 / ↓	–	5.33 / ↓

Blank extraction date: ↓ **Blank analysis date:** ↓
Conc. units: ↓ Associated Samples: ↓

Compound	Blank ID								
			8	9					
↓	↓		7.62 / 11.0U	7.43 / 10.8U					
↓	↓		5.55 / ↓	5.49 / U					

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
Common contaminants such as the phthalates and TICs noted above that were detected in samples within ten times the associated method blank concentration were qualified as not detected, "U". Other contaminants within five times the method blank concentration were also qualified as not detected, "U".

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Mohican Street, Glen Falls, NY

LDC Report Date: April 27, 2016

Parameters: Wet Chemistry

Validation Level: Stage 2B

Laboratory: Alpha Analytical, Inc.

Sample Delivery Group (SDG): L1607846

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
SW-1A-20160316	L1607846-01	Water	03/16/16
SW-1B-20160316	L1607846-02	Water	03/16/16
SW-1C-20160316	L1607846-03	Water	03/16/16
SW-2A-20160316	L1607846-04	Water	03/16/16
SW-2C-20160316	L1607846-05	Water	03/16/16
SW-2B-20160316	L1607846-06	Water	03/16/16
SW-3A-20160316	L1607846-07	Water	03/16/16
SW-3B-20160316	L1607846-08	Water	03/16/16
SW-3C-20160316	L1607846-09	Water	03/16/16
SW-1A-20160316MS	L1607846-01MS	Water	03/16/16
SW-1A-20160316DUP	L1607846-01DUP	Water	03/16/16
SW-1C-20160316MS	L1607846-03MS	Water	03/16/16
SW-1C-20160316DUP	L1607846-03DUP	Water	03/16/16

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Quality Assurance Project Plan for Former Mohican Street Manufactured Gas Plan-Operable Unit 2 (November 2015) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Inorganic Superfund Data Review (January 2010). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Dissolved Organic Carbon and Total Organic Carbon by Standard Method 5310C
Total Suspended Solids by Standard Method 2540D

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met.

II. Initial Calibration

All criteria for the initial calibration of each method were met.

III. Continuing Calibration

Continuing calibration frequency and analysis criteria were met for each method when applicable.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the methods. No contaminants were found in the laboratory blanks.

V. Field Blanks

No field blanks were identified in this SDG.

VI. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits.

VII. Duplicate Sample Analysis

Duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits.

IX. Field Duplicates

No field duplicates were identified in this SDG.

X. Sample Result Verification

Raw data were not reviewed for Stage 2B validation.

XI. Overall Assessment of Data

The analysis was conducted within all specifications of the methods. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the data validation all results are considered valid and usable for all purposes.

Mohican Street, Glen Falls, NY
Wet Chemistry - Data Qualification Summary - SDG L1607846

No Sample Data Qualified in this SDG

Mohican Street, Glen Falls, NY
Wet Chemistry - Laboratory Blank Data Qualification Summary - SDG L1607846

No Sample Data Qualified in this SDG

LDC #: 36162A6
SDG #: L1607846
Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET
Stage 2B

Date: 4/21/16
Page: 1 of 1
Reviewer: JD
2nd Reviewer: D JD

METHOD: (Analyte) Dissolved Organic Carbon, Total Organic Carbon, (SM 5310C), Total Suspended Solids (SM 2540C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	3/16/16
II	Initial calibration	A	
III.	Calibration verification	A	
IV	Laboratory Blanks	A	
V	Field blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	A	MS=(10)
VII.	Duplicate sample analysis	A	DUP
VIII.	Laboratory control samples	A	LCS
IX.	Field duplicates	N	
X.	Sample result verification	N	
XI	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID		Lab ID	Matrix	Date
1	SW1A 20160316		L1607846-01	Water	03/16/16
2	SW1B 20160316		L1607846-02	Water	03/16/16
3	SW1C 20160316		L1607846-03	Water	03/16/16
4	SW2A 20160316		L1607846-04	Water	03/16/16
5	SW2C 20160316		L1607846-05	Water	03/16/16
6	SW2B 20160316		L1607846-06	Water	03/16/16
7	SW3A 20160316		L1607846-07	Water	03/16/16
8	SW3B 20160316		L1607846-08	Water	03/16/16
9	SW3C 20160316		L1607846-09	Water	03/16/16
10	SW1A 20160316MS	TOC	L1607846-01MS	Water	03/16/16
11	SW1A 20160316DUP	↓	L1607846-01DUP	Water	03/16/16
12	SW1C 20160316MS	DOC	L1607846-03MS	Water	03/16/16
13	SW1C 20160316DUP	↓	L1607846-03DUP	Water	03/16/16
14					
15					

Notes: Add dash before number + after letter - all

LDC #: 36162A9

VALIDATION FINDINGS WORKSHEET
Sample Specific Analysis Reference

Reviewer: JD
2nd reviewer:

All circled methods are applicable to each sample.

Sample ID	Parameter
1-9	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4 (TSS) (DOC)
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
QC:10-11	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
QC:12-13	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4 (DOC)
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4

Comments:

LDC #: 36162

EDD POPULATION COMPLETENESS WORKSHEET

Anchor

Date: 5.2.16

2nd Reviewer:

The LDC job number listed above was entered by W.

	EDD Process	Y/N	Init	Comments/Action
I.	EDD Completeness	-		
Ia.	- All methods present?	✓	W	
Ib.	- All samples present/match report?	✓	W	
Ic.	- All reported analytes present?	✓	W	
Id	-10% verification of EDD?	✓	W	
II.	EDD Preparation/Entry	-		
IIa.	- QC Level applied? (EPAStage2B or EPAStage4)	✓	W	
IIb.	- Laboratory EMPC qualified results qualified (J with reason code 23)?	NA	W	
III.	Reasonableness Checks	-		
IIIa.	- Do all qualified ND results have ND qualifier (i.e. UJ)?	✓	W	
IIIb.	- Do all qualified detect results have detect qualifier (i.e. J)?	✓	W	
IIIc.	- If reason codes used, do all qualified results have reason code field populated, and vice versa?	✓	W	
IIId.	- Do blank concentrations in report match EDD, where data was qualified due to blank?	✓	W	
IIIe.	- Were any results reported above calibration range? If so, were results qualified appropriately?	NA	W	
IIIf.	- Are all results marked reportable "Yes" unless rejected for overall assessment in the data validation report?	✓	W	
IIIg.	-Are there any lab "R" qualified data? / Are the entry columns blank for these results?	NA	W	
IIIh.	- Is the detect flag set to "N" for all "U" qualified blank results?	✓	W	

Notes: *see readme

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Anchor Environmental, LLC
720 Olive Way, Suite 1900
Seattle, WA 98101
ATTN: Ms. Cindy Fields

September 13, 2016

SUBJECT: Mohican Street, Glen Falls, NY, Data Validation

Dear Ms. Fields,

Enclosed is the final validation report for the fractions listed below. This SDG was received on August 22, 2016. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #36958:

SDG #	Fraction
L1625236	Volatiles, Semivolatiles, Polynuclear Aromatic Hydrocarbons, Wet Chemistry

The data validation was performed under Stage 2B guidelines. The analyses were validated using the following documents, as applicable to each method:

- Quality Assurance Project Plan for Former Mohican Street Manufactured Gas Plan-Operable Unit 2 , November 2015
- USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, June 2008
- USEPA Contract Laboratory National Functional Guidelines for Inorganic Superfund Data Review, January 2010
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014

Please feel free to contact us if you have any questions.

Sincerely,

Christina Rink

Christina Rink
Project Manager/Chemist

2,119 pages-SF

Attachment 1

EDD Stage 2B

LDC #36958 (Anchor Environmental-Seattle WA / Mohican Street, Glen Falls, NY)

LDC	SDG#	DATE REC'D	(3) DATE DUE	VOA (8260C)		SVOA (8270D)		PAHs (8270D-SIM)		DOC (5310C)		TOC (5310C)		TSS (2540D)																					
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	L1625236	08/22/16	09/13/16	12	0	11	0	11	0	11	0	11	0	11	0																				
Total	T/CR			12	0	11	0	11	0	11	0	11	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67

Shaded cells indicate Stage 4 validation (all other cells are Stage 2B validation). These sample counts do not include MS, MSD, or DUP's.

L:\Anchor\Glen Falls\36958ST.wpd

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Mohican Street, Glen Falls, NY

LDC Report Date: September 12, 2016

Parameters: Volatiles

Validation Level: Stage 2B

Laboratory: Alpha Analytical, Inc.

Sample Delivery Group (SDG): L1625236

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
EB 20160811	L1625236-01	Water	08/11/16
SW-1A-20160810	L1625236-02	Water	08/10/16
SW-1B-20160810	L1625236-03	Water	08/10/16
SW-1C-20160810	L1625236-04	Water	08/10/16
SW-2A-20160810	L1625236-05	Water	08/10/16
SW-2B-20160810	L1625236-06	Water	08/10/16
SW-2C-20160810	L1625236-07	Water	08/10/16
SW-3A-20160810	L1625236-08	Water	08/10/16
SW-3B-20160810	L1625236-09	Water	08/10/16
SW-3C-20160810	L1625236-10	Water	08/10/16
DUP-20160810	L1625236-11	Water	08/10/16
TRIP BLANK-20160811	L1625236-12	Water	08/11/16
SW-1B-20160810MS	L1625236-03MS	Water	08/10/16
SW-1B-20160810MSD	L1625236-03MSD	Water	08/10/16

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Quality Assurance Project Plan for Former Mohican Street Manufactured Gas Plan-Operable Unit 2 (November 2015) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW 846 Method 8260C

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

A bromofluorobenzene (BFB) tune was performed at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For compounds where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 20.0%.

In the case where the laboratory used a calibration curve to evaluate the compounds, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all compounds were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all compounds.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all compounds with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
08/18/16	Dichlorodifluoromethane	21.8 (≤20)	All samples in SDG L1625236	UJ (all non-detects)	A
	Methyl acetate	22.5 (≤20)		UJ (all non-detects)	
	Methyl-tert-butyl ether	24.8 (≤20)		UJ (all non-detects)	
	1,2-Dibromo-3-chloropropane	25.2 (≤20)		UJ (all non-detects)	
	1,2,4-Trichlorobenzene	28.5 (≤20)		UJ (all non-detects)	
	1,2,3-Trichlorobenzene	50.3 (≤20)		UJ (all non-detects)	

All of the continuing calibration relative response factors (RRF) were within validation criteria.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

Sample TRIP BLANK-20160811 was identified as a trip blank. No contaminants were found with the following exceptions:

Blank ID	Compound	Concentration (ug/L)
TRIP BLANK-20160811	Chloromethane Acetone	0.19 2.3

Sample EB 20160811 was identified as an equipment blank. No contaminants were found with the following exceptions:

Blank ID	Compound	Concentration (ug/L)
EB 20160811	Acetone	5.0

VII. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VIII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	Flag	A or P
WG923932-LCS/D (All samples in SDG L1625236)	1,2,3-Trichlorobenzene	50 (60-140)	-	UJ (all non-detects)	P

Relative percent differences (RPD) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Compound	RPD (Limits)	Flag	A or P
WG923932-LCS/D (All samples in SDG L1625236)	1,2,3-Trichlorobenzene	31 (≤30)	UJ (all non-detects)	P

X. Field Duplicates

Samples SW-2B-20160810 and DUP-20160810 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/L)		RPD (Limits)
	SW-2B-20160810	DUP-20160810	
Toluene	0.17	0.16	6 (≤50)

XI. Internal Standards

All internal standard areas and retention times were within QC limits.

XII. Compound Quantitation

Raw data were not reviewed for Stage 2B validation.

XIII. Target Compound Identifications

Raw data were not reviewed for Stage 2B validation.

XIV. System Performance

Raw data were not reviewed for Stage 2B validation.

XV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to continuing calibration %D and LCS/LCSD %R and RPD, data were qualified as estimated in twelve samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the data validation all other results are considered valid and usable for all purposes.

Mohican Street, Glen Falls, NY
Volatiles - Data Qualification Summary - SDG L1625236

Sample	Compound	Flag	A or P	Reason
EB 20160811 SW-1A-20160810 SW-1B-20160810 SW-1C-20160810 SW-2A-20160810 SW-2B-20160810 SW-2C-20160810 SW-3A-20160810 SW-3B-20160810 SW-3C-20160810 DUP-20160810 TRIP BLANK-20160811	Dichlorodifluoromethane Methyl acetate Methyl-tert-butyl ether 1,2-Dibromo-3-chloropropane 1,2,4-Trichlorobenzene 1,2,3-Trichlorobenzene	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A	Continuing calibration (%D)
EB 20160811 SW-1A-20160810 SW-1B-20160810 SW-1C-20160810 SW-2A-20160810 SW-2B-20160810 SW-2C-20160810 SW-3A-20160810 SW-3B-20160810 SW-3C-20160810 DUP-20160810 TRIP BLANK-20160811	1,2,3-Trichlorobenzene	UJ (all non-detects)	P	Laboratory control samples (%R) (RPD)

Mohican Street, Glen Falls, NY
Volatiles - Laboratory Blank Data Qualification Summary - SDG L1625236

No Sample Data Qualified in this SDG

LDC #: 36958A1 **VALIDATION COMPLETENESS WORKSHEET** Date: 8/30/16
SDG #: L1625236 Stage 2B Page: 1 of 2
Laboratory: Alpha Analytical, Inc. Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A /A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A /A	% RSD ≤ 20, r² ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	A	
VI.	Field blanks	SW	EB = 1 TB = 12
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	A SW	
IX.	Laboratory control samples	SW	LCS/D
X.	Field duplicates	SW	D = 6, 11
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	N	
XIII.	Target compound identification	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	EB 20160811	L1625236-01	Water	08/11/16
2	SW1A-20160810	L1625236-02	Water	08/10/16
3	SW1B-20160810	L1625236-03	Water	08/10/16
4	SW1C-20160810	L1625236-04	Water	08/10/16
5	SW2A-20160810	L1625236-05	Water	08/10/16
6	SW2B-20160810 D	L1625236-06	Water	08/10/16
7	SW2C-20160810	L1625236-07	Water	08/10/16
8	SW3A-20160810	L1625236-08	Water	08/10/16
9	SW3B-20160810	L1625236-09	Water	08/10/16
10	SW3C-20160810	L1625236-10	Water	08/10/16
11	DUP-20160810 D	L1625236-11	Water	08/10/16
12	TRIP BLANK-20160811	L1625236-12	Water	08/11/16
13	SW1B-20160810MS	L1625236-03MS	Water	08/10/16

LDC #: 36958A1 **VALIDATION COMPLETENESS WORKSHEET** Date: 8/30/16
SDG #: L1625236 Stage 2B Page: 2 of 2
Laboratory: Alpha Analytical, Inc. Reviewer:
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260C)

	Client ID	Lab ID	Matrix	Date
14	SW1B-20160810MSD	L1625236-03MSD	Water	08/10/16
15				
16				
17				
18				
19				

Notes:

	WG923932-MB						

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 36958A1

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: FT
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit: >0.05)	Associated Samples	Qualifications
-	8/18/16	CCV	JJ	21.8		all	J/UJ/A ND
-	8:40AM		QQQQ	22.5		↓	↓
-			LL	24.8			
-			MM	25.2			
-			KKK	28.5			
-			NNN	50.3			

LDC #: 36958A1

VALIDATION FINDINGS WORKSHEET
Field Blanks

Reviewer: FT
2nd reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Y N N/A Were field blanks identified in this SDG?
Y N N/A Were target compounds detected in the field blanks?

Sample: 1 (EB) Field Blank / Trip Blank / Rinsate (circle one)

Compound	Concentration Units (ug/L)
F	5.0

Sample: _____ Field Blank / Trip Blank / Rinsate (circle one)

Compound	Concentration Units ( )

Sample: 12 (TB) Field Blank / Trip Blank / Rinsate (circle one)

Compound	Concentration Units (ug/L)
A	0.19
F	2.3

LDC #: 36958A1

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: FT
2nd Reviewer: AC

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?

Y N N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	WG923932-1 LCS ID	~~MMM~~ NNN NNN	~~53 (60-140)~~ 50 (↓)	F7 ( )	( ) ( ) 31 (30)	all ↓	J/UJ/P (CND) ↓
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
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			( )	( )	( )		

LDC#: 36958 A1

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer:
2nd Reviewer:

METHOD: GCMS voa (EPA SW 846 Method (8260C)

Compound	Concentration (ug/L)		(≤50) RPD
	6	11	
CC	0.17	0.16	6

V:\FIELD DUPLICATES\36958A1.wpd

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Mohican Street, Glen Falls, NY

LDC Report Date: September 12, 2016

Parameters: Semivolatiles

Validation Level: Stage 2B

Laboratory: Alpha Analytical, Inc.

Sample Delivery Group (SDG): L1625236

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
EB 20160811	L1625236-01	Water	08/11/16
SW-1A-20160810	L1625236-02	Water	08/10/16
SW-1B-20160810	L1625236-03	Water	08/10/16
SW-1C-20160810	L1625236-04	Water	08/10/16
SW-2A-20160810	L1625236-05	Water	08/10/16
SW-2B-20160810	L1625236-06	Water	08/10/16
SW-2C-20160810	L1625236-07	Water	08/10/16
SW-3A-20160810	L1625236-08	Water	08/10/16
SW-3B-20160810	L1625236-09	Water	08/10/16
SW-3C-20160810	L1625236-10	Water	08/10/16
DUP-20160810	L1625236-11	Water	08/10/16
SW-1B-20160810MS	L1625236-03MS	Water	08/10/16
SW-1B-20160810MSD	L1625236-03MSD	Water	08/10/16

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Quality Assurance Project Plan for Former Mohican Street Manufactured Gas Plan-Operable Unit 2 (November 2015) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Semivolatile Organic Compounds (SVOCs) by Environmental Protection Agency (EPA) SW 846 Method 8270D

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

A decafluorotriphenylphosphine (DFTPP) tune was performed at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For compounds where average relative response factors (RRFs) were utilized, percent relative standard deviations (%RSD) were less than or equal to 20.0%.

In the case where the laboratory used a calibration curve to evaluate the compounds, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all compounds were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all compounds.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all compounds with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
08/17/16	Hexachlorocyclopentadiene 4-Nitrophenol	20.9 (≤20) 24.9 (≤20)	All samples in SDG L1625236	NA	-
08/17/16	Benzidine	22.2 (≤20)	All samples in SDG L1625236	NA	-

All of the continuing calibration relative response factors (RRF) were within validation criteria.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks with the following exceptions:

Blank ID	Extraction Date	Compound	Concentration	Associated Samples
WG923180-MB	08/16/16	Caprolactam Butylbenzylphthalate	0.131 ug/L 0.205 ug/L	All samples in SDG L1625236

Sample concentrations were compared to concentrations detected in the laboratory blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated laboratory blanks with the following exceptions:

Sample	Compound	Reported Concentration	Modified Final Concentration
EB 20160811	Caprolactam Butylbenzylphthalate	0.158 ug/L 0.233 ug/L	2.13U ug/L 0.532U ug/L
SW-1A-20160810	Caprolactam Butylbenzylphthalate	0.268 ug/L 0.289 ug/L	2.00U ug/L 0.500U ug/L
SW-1B-20160810	Caprolactam Butylbenzylphthalate	0.345 ug/L 0.232 ug/L	2.00U ug/L 0.500U ug/L
SW-1C-20160810	Caprolactam Butylbenzylphthalate	0.242 ug/L 0.280 ug/L	2.02U ug/L 0.505U ug/L
SW-2A-20160810	Caprolactam Butylbenzylphthalate	0.144 ug/L 0.401 ug/L	2.00U ug/L 0.500U ug/L
SW-2B-20160810	Caprolactam Butylbenzylphthalate	0.232 ug/L 0.259 ug/L	2.06U ug/L 0.515U ug/L
SW-2C-20160810	Caprolactam Butylbenzylphthalate	0.215 ug/L 0.278 ug/L	2.04U ug/L 0.510U ug/L
SW-3A-20160810	Caprolactam Butylbenzylphthalate	0.236 ug/L 0.269 ug/L	2.00U ug/L 0.500U ug/L
SW-3B-20160810	Caprolactam Butylbenzylphthalate	0.226 ug/L 0.259 ug/L	2.06U ug/L 0.515U ug/L
SW-3C-20160810	Caprolactam Butylbenzylphthalate	0.173 ug/L 0.247 ug/L	2.00U ug/L 0.500U ug/L
DUP-20160810	Caprolactam Butylbenzylphthalate	0.245 ug/L 0.294 ug/L	2.10U ug/L 0.526U ug/L

VI. Field Blanks

Sample EB 20160811 was identified as an equipment blank. No contaminants were found with the following exceptions:

Blank ID	Compound	Concentration
EB 20160811	Caprolactam Butylbenzylphthalate Bis(2-ethylhexyl)phthalate	0.158 ug/L 0.233 ug/L 0.232 ug/L

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks.

VII. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VIII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
SW-1B-20160810MS/MSD (SW-1B-20160810)	N-Nitrosodimethylamine	49 (60-140)	45 (60-140)	J (all detects)	A
	Pyridine	37 (60-140)	36 (60-140)	UJ (all non-detects)	
	Aniline	56 (60-140)	56 (60-140)		
	Phenol	31 (60-140)	31 (60-140)		
	1,3-Dichlorobenzene	36 (60-140)	28 (60-140)		
	1,4-Dichlorobenzene	37 (60-140)	30 (60-140)		
	1,2-Dichlorobenzene	40 (60-140)	32 (60-140)		
	Hexachloroethane	31 (60-140)	23 (60-140)		
	4-Methylphenol	58 (60-140)	-		
	Benzoic acid	37 (60-140)	36 (60-140)		
	1,2,4-Trichlorobenzene	41 (60-140)	33 (60-140)		
	Hexachlorobutadiene	31 (60-140)	24 (60-140)		
	Caprolactam	29 (60-140)	27 (60-140)		
	1,2,4,5-Tetrachlorobenzene	43 (60-140)	35 (60-140)		
	Hexachlorocyclopentadiene	30 (60-140)	23 (60-140)		
	2-Chloronaphthalene	55 (60-140)	50 (60-140)		
	4-Nitrophenol	42 (60-140)	42 (60-140)		
	Benzidine	4 (60-140)	12 (60-140)		

Relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	RPD (Limits)	Flag	A or P
SW-1B-20160810MS/MSD (SW-1B-20160810)	Benzidine	103 (≤30)	NA	-

IX. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	Flag	A or P
WG923180-LCS/D (All samples in SDG L1625236)	N-Nitrosodimethylamine	53 (60-140)	53 (60-140)	J (all detects) UJ (all non-detects)	P
	Pyridine	45 (60-140)	44 (60-140)		
	Phenol	35 (60-140)	32 (60-140)		
	1,3-Dichlorobenzene	47 (60-140)	38 (60-140)		
	1,4-Dichlorobenzene	49 (60-140)	40 (60-140)		
	1,2-Dichlorobenzene	52 (60-140)	44 (60-140)		
	Hexachloroethane	36 (60-140)	27 (60-140)		
	Benzoic acid	31 (60-140)	27 (60-140)		
	1,2,4-Trichlorobenzene	57 (60-140)	49 (60-140)		
	Hexachlorobutadiene	36 (60-140)	28 (60-140)		
	Caprolactam	29 (60-140)	27 (60-140)		
	Hexachlorocyclopentadiene	44 (60-140)	35 (60-140)		
	4-Nitrophenol	50 (60-140)	44 (60-140)		
	Benzidine	14 (60-140)	31 (60-140)		

Relative percent differences (RPD) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Compound	RPD (Limits)	Flag	A or P
WG923180-LCS/D (All samples in SDG L1625236)	Benzidine	76 (≤30)	J (all detects) UJ (all non-detects)	P

X. Field Duplicates

Samples SW-2B-20160810 and DUP-20160810 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/L)		RPD (Limits)
	SW-2B-20160810	DUP-20160810	
Caprolactam	0.232	0.245	5 (≤50)
Butylbenzylphthalate	0.259	0.294	13 (≤50)
Bis(2-ethylhexyl)phthalate	0.237	0.845	112 (≤50)

XI. Internal Standards

All internal standard areas and retention times were within QC limits.

XII. Compound Quantitation

Raw data were not reviewed for Stage 2B validation.

XIII. Target Compound Identifications

Raw data were not reviewed for Stage 2B validation.

XIV. System Performance

Raw data were not reviewed for Stage 2B validation.

XV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to MS/MSD %R and LCS/LCSD %R and RPD, data were qualified as estimated in eleven samples.

Due to laboratory blank contamination, data were qualified as not detected in eleven samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the data validation all other results are considered valid and usable for all purposes.

Mohican Street, Glen Falls, NY
Semivolatiles - Data Qualification Summary - SDG L1625236

Sample	Compound	Flag	A or P	Reason
SW-1B-20160810	N-Nitrosodimethylamine Pyridine Aniline Phenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene Hexachloroethane 4-Methylphenol Benzoic acid 1,2,4-Trichlorobenzene Hexachlorobutadiene Caprolactam 1,2,4,5-Tetrachlorobenzene Hexachlorocyclopentadiene 2-Chloronaphthalene 4-Nitrophenol Benzidine	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R)
EB 20160811 SW-1A-20160810 SW-1B-20160810 SW-1C-20160810 SW-2A-20160810 SW-2B-20160810 SW-2C-20160810 SW-3A-20160810 SW-3B-20160810 SW-3C-20160810 DUP-20160810	N-Nitrosodimethylamine Pyridine Phenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene Hexachloroethane Benzoic acid 1,2,4-Trichlorobenzene Hexachlorobutadiene Caprolactam Hexachlorocyclopentadiene 4-Nitrophenol Benzidine	J (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)
EB 20160811 SW-1A-20160810 SW-1B-20160810 SW-1C-20160810 SW-2A-20160810 SW-2B-20160810 SW-2C-20160810 SW-3A-20160810 SW-3B-20160810 SW-3C-20160810 DUP-20160810	Benzidine	J (all detects) UJ (all non-detects)	P	Laboratory control samples (RPD)

Mohican Street, Glen Falls, NY
Semivolatiles - Laboratory Blank Data Qualification Summary - SDG L1625236

Sample	Compound	Modified Final Concentration	A or P
EB 20160811	Caprolactam Butylbenzylphthalate	2.13U ug/L 0.532U ug/L	A

Sample	Compound	Modified Final Concentration	A or P
SW-1A-20160810	Caprolactam Butylbenzylphthalate	2.00U ug/L 0.500U ug/L	A
SW-1B-20160810	Caprolactam Butylbenzylphthalate	2.00U ug/L 0.500U ug/L	A
SW-1C-20160810	Caprolactam Butylbenzylphthalate	2.02U ug/L 0.505U ug/L	A
SW-2A-20160810	Caprolactam Butylbenzylphthalate	2.00U ug/L 0.500U ug/L	A
SW-2B-20160810	Caprolactam Butylbenzylphthalate	2.06U ug/L 0.515U ug/L	A
SW-2C-20160810	Caprolactam Butylbenzylphthalate	2.04U ug/L 0.510U ug/L	A
SW-3A-20160810	Caprolactam Butylbenzylphthalate	2.00U ug/L 0.500U ug/L	A
SW-3B-20160810	Caprolactam Butylbenzylphthalate	2.06U ug/L 0.515U ug/L	A
SW-3C-20160810	Caprolactam Butylbenzylphthalate	2.00U ug/L 0.500U ug/L	A
DUP-20160810	Caprolactam Butylbenzylphthalate	2.10U ug/L 0.526U ug/L	A

LDC #: 36958A2a

SDG #: L1625236

Laboratory: Alpha Analytical, Inc.

VALIDATION COMPLETENESS WORKSHEET

Stage 2B

Date: 8/30/16

Page: 1 of 2

Reviewer: FT

2nd Reviewer: [illegible]

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/A	%RSD ≤ 20,1[2] ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 20
V.	Laboratory Blanks	SW	
VI.	Field blanks	SW	FB = 1
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	SW	
IX.	Laboratory control samples	SW	LCS/D
X.	Field duplicates	SW	D = 6,1[1]
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	N	
XIII.	Target compound identification	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	EB 20160811	L1625236-01	Water	08/11/16
2	SW1A-20160810	L1625236-02	Water	08/10/16
3	SW1B-20160810	L1625236-03	Water	08/10/16
4	SW1C-20160810	L1625236-04	Water	08/10/16
5	SW2A-20160810	L1625236-05	Water	08/10/16
6	SW2B-20160810 D	L1625236-06	Water	08/10/16
7	SW2C-20160810	L1625236-07	Water	08/10/16
8	SW3A-20160810	L1625236-08	Water	08/10/16
9	SW3B-20160810	L1625236-09	Water	08/10/16
10	SW3C-20160810	L1625236-10	Water	08/10/16
11	DUP-20160810 D	L1625236-11	Water	08/10/16
12	SW1B-20160810MS	L1625236-03MS	Water	08/10/16
13	SW1B-20160810MSD	L1625236-03MSD	Water	08/10/16

LDC #: 36958A2a **VALIDATION COMPLETENESS WORKSHEET** Date: 8/30/16

SDG #: L1625236 Stage 2B Page: 7 of 7

Laboratory: Alpha Analytical, Inc. Reviewer: FQ

2nd Reviewer:

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270D)

	Client ID	Lab ID	Matrix	Date
14				
15				
16				
17				
18				

Notes:

	WG923180-MB						

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

A. Phenol	AA. 2-Chloronaphthalene	AAA. Butylbenzylphthalate	AAAA. Dibenzothiophene	A1.
B. Bis (2-chloroethyl) ether	BB. 2-Nitroaniline	BBB. 3,3'-Dichlorobenzidine	BBBB. Benzo(a)fluoranthene	B1.
C. 2-Chlorophenol	CC. Dimethylphthalate	CCC. Benzo(a)anthracene	CCCC. Benzo(b)fluorene	C1.
D. 1,3-Dichlorobenzene	DD. Acenaphthylene	DDD. Chrysene	DDDD. cis/trans-Decalin	D1.
E. 1,4-Dichlorobenzene	EE. 2,6-Dinitrotoluene	EEE. Bis(2-ethylhexyl)phthalate	EEEE. Biphenyl	E1.
F. 1,2-Dichlorobenzene	FF. 3-Nitroaniline	FFF. Di-n-octylphthalate	FFFF. Retene	F1.
G. 2-Methylphenol	GG. Acenaphthene	GGG. Benzo(b)fluoranthene	GGGG. C30-Hopane	G1.
H. 2,2'-Oxybis(1-chloropropane)	HH. 2,4-Dinitrophenol	HHH. Benzo(k)fluoranthene	HHHH. 1-Methylphenanthrene	H1.
I. 4-Methylphenol	II. 4-Nitrophenol	III. Benzo(a)pyrene	IIII. 1,4-Dioxane	I1.
J. N-Nitroso-di-n-propylamine	JJ. Dibenzofuran	JJJ. Indeno(1,2,3-cd)pyrene	JJJJ. Acetophenone	J1.
K. Hexachloroethane	KK. 2,4-Dinitrotoluene	KKK. Dibenz(a,h)anthracene	KKKK. Atrazine	K1.
L. Nitrobenzene	LL. Diethylphthalate	LLL. Benzo(g,h,i)perylene	LLLL. Benzaldehyde	L1.
M. Isophorone	MM. 4-Chlorophenyl-phenyl ether	MMM. Bis(2-Chloroisopropyl)ether	MMMM. Caprolactam	M1.
N. 2-Nitrophenol	NN. Fluorene	NNN. Aniline	NNNN. 2,6-Dichlorophenol	N1.
O. 2,4-Dimethylphenol	OO. 4-Nitroaniline	OOO. N-Nitrosodimethylamine	OOOO. 2,6-Dinitrotoluene	O1.
P. Bis(2-chloroethoxy)methane	PP. 4,6-Dinitro-2-methylphenol	PPP. Benzoic Acid	PPPP. 3-Methylphenol	P1.
Q. 2,4-Dichlorophenol	QQ. N-Nitrosodiphenylamine	QQQ. Benzyl alcohol	QQQQ. 3&4 Methylphenol	Q1.
R. 1,2,4-Trichlorobenzene	RR. 4-Bromophenyl-phenylether	RRR. Pyridine	RRRR. 4-Dimethyldibenzothiphene (4MDT)	R1.
S. Naphthalene	SS. Hexachlorobenzene	SSS. Benzidine	SSSS. 2/3-Dimethyldibenzothiophene (4MDT)	S1.
T. 4-Chloroaniline	TT. Pentachlorophenol	TTT. 1-Methylnaphthalene	TTTT. 1-Methyldibenzothiophene (1MDT)	T1.
U. Hexachlorobutadiene	UU. Phenanthrene	UUU.Benzo(b)thiophene	UUUU. 1,2,4,5-Tetrachlorobenzene	
V. 4-Chloro-3-methylphenol	VV. Anthracene	VVV.Benzonaphthothiophene	VVVV.	V1.
W. 2-Methylnaphthalene	WW. Carbazole	WWW.Benzo(e)pyrene	WWWW.	W1.
X. Hexachlorocyclopentadiene	XX. Di-n-butylphthalate	XXX. 2,6-Dimethylnaphthalene	XXXX.	X1.
Y. 2,4,6-Trichlorophenol	YY. Fluoranthene	YYY. 2,3,5-Trimethylnaphthalene	YYYY.	Y1.
Z. 2,4,5-Trichlorophenol	ZZ. Pyrene	ZZZ. Perylene	ZZZZ.	Z1.

LDC #: 36958A22

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT
2nd Reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours of sample analysis for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
+	8/17/16	CCV	X	20.9		all	J det / Δ MD
+	9:50		II	24.9		↓	
	8/17/16	CCV	SSS	22.2		all	↓ MD
+	10:23						

LDC #: 36958A 2a

VALIDATION FINDINGS WORKSHEET
Blanks

Page: 1 of 1
Reviewer: FT
2nd Reviewer: CL

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a method blank analyzed for each matrix?
Y N N/A Was a method blank analyzed for each concentration preparation level?
Y N N/A Was a method blank associated with every sample?
Y N N/A Was the blank contaminated? If yes, please see qualification below.

Blank extraction date: 8/16/16 **Blank analysis date:** 8/17/16
Conc. units: ug/L Associated Samples: all

Compound	Blank ID		1	2	3	4	5	6	7
[redacted]	WG923180-MB								
MMMM	0.13 J		0.158 J / 2.13U	0.368 J / 2.00U	0.345 J / 2.00U	0.242 J / 2.02U	0.144 J / 2.00U	0.232 J / 2.06U	0.215 J / 2.04U
AAA	0.205		0.233 J / 0.532U	0.289 J / 0.500U	0.232 J / 0.500U	0.280 J / 0.505U	0.401 J / 0.500U	0.259 J / 0.515U	0.278 J / 0.510U

Blank extraction date: ↓ **Blank analysis date:** ↓
Conc. units: ↓ Associated Samples:

Compound	Blank ID		8	9	10	11			
[redacted]									
↓	↓		0.236 J / 2.00U	0.226 J / 2.06U	0.173 J / 2.00U	0.345 J / 2.10U			
			0.269 J / 0.500U	0.259 J / 0.515U	0.247 J / 0.500U	0.294 J / 0.526U			

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
Common contaminants such as the phthalates and TICs noted above that were detected in samples within ten times the associated method blank concentration were qualified as not detected, "U". Other contaminants within five times the method blank concentration were also qualified as not detected, "U".

LDC #: 36958A2a

VALIDATION FINDINGS WORKSHEET
Field Blanks

Page: 1 of 1
Reviewer: FT
2nd reviewer:

METHOD: GC/MS PAH (EPA SW 846 Method 8270D ~~SIM~~)

Y N N/A Were field blanks identified in this SDG?
Y N N/A Were target compounds detected in the field blanks?

Sample: 1 (EB) Field Blank / Rinsate Blank/ Rinsate (circle one)

Compound	Concentration Units (ug/L)
MMMM	0.158
AAA	0.233
EEE	0.232

Sample: _____ Field Blank / Trip Blank / Rinsate (circle one)

Compound	Concentration Units ( )

LDC #: 36958A2Q

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Page: 1 of 1
Reviewer: FT
2nd Reviewer: AZ

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.

Y N N/A Was a MS/MSD analyzed every 20 samples of each matrix?

Y N N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	12 + 13	see following pages	( )	( )	( )	3	all %R = J/UJ/A NP + Det
			( )	( )	( )		
			( )	( )			
			( )	( )	( )		%RPD = J/UJ/A ND
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

12 of 13

Parameter		Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG923180-4 WG923180-5 QC Sample: L1625236-03 Client ID: SW1B-20160810										60-140			
n-Nitrosodimethylamine	~~OOO~~	ND	10.2	4.99	49 ✓		4.62	45 ✓		40-140	8		20
Pyridine	RRR	ND	10.2	3.74	37 ✓	Q	3.68	36 ✓	Q	40-140	2		20
Benzaldehyde	LLLL	ND	10.2	7.38	72		7.46	73		40-140	1		20
Aniline	NNN	ND	10.2	5.72	56 ✓		5.76	56 ✓		40-140	1		20
Bis(2-chloroethyl)ether		ND	10.2	7.96	78		8.17	80		40-140	3		20
Phenol	Δ	ND	10.2	3.16	31 ✓		3.17	31 ✓		30-130	0		20
2-Chlorophenol		ND	10.2	7.26	71		7.47	73		30-130	3		20
1,3-Dichlorobenzene	D	ND	10.2	3.69	36 ✓	Q	2.90	28 ✓	Q	40-140	24	Q	20
1,4-Dichlorobenzene	E	ND	10.2	3.82	37 ✓	Q	3.02	30 ✓	Q	40-140	23	Q	20
1,2-Dichlorobenzene	F	ND	10.2	4.11	40 ✓		3.31	32 ✓	Q	40-140	22	Q	20
Bis(2-chloroisopropyl)ether		ND	10.2	7.98	78		7.92	78		40-140	1		20
2-Methylphenol		ND	10.2	6.32	62		6.68	66		30-130	6		20
Acetophenone		ND	10.2	7.67	75		7.85	77		40-140	2		20
Hexachloroethane	K	ND	10.2	3.12	31 ✓	Q	2.36	23 ✓	Q	40-140	28	Q	20
N-Nitroso-di-n-propylamine		ND	10.2	8.36	82		8.72	86		40-140	4		20
4-Methylphenol	I	ND	10.2	5.95	58 ✓		6.12	60		30-130	3		20
Nitrobenzene		ND	10.2	8.28	81		8.44	83		40-140	2		20
Isophorone		ND	10.2	9.02	88		9.24	91		40-140	2		20
2-Nitrophenol		ND	10.2	8.40	82		8.65	85		40-140	3		20
2,4-Dimethylphenol		ND	10.2	6.28	62		7.04	69		40-140	11		20
Benzoic Acid	PPP	ND	51	18.7J	37 ✓	Q	18.6J	36 ✓	Q	40-140	1		20

%R limit = 60-140
%RPD limit = 30

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG923180-4 WG923180-5 QC Sample: L1625236-03 Client ID: SW1B-20160810												
Bis(2-chloroethoxy)methane	ND	10.2	8.48	83		8.69	85		40-140	2		20
2,4-Dichlorophenol	ND	10.2	8.28	81		8.61	84		30-130	4		20
1,2,4-Trichlorobenzene	ND	10.2	4.18	41		3.40	33	Q	40-140	21	Q	20
Naphthalene	ND	10.2	5.62	55		5.05	50		40-140	11		20
4-Chloroaniline	ND	10.2	6.87	67		7.46	73		40-140	8		20
Hexachlorobutadiene	ND	10.2	3.16	31	Q	2.42	24	Q	40-140	27	Q	20
Caprolactam	0.345J	10.2	2.95	29	Q	2.73	27	Q	40-140	8		20
P-Chloro-M-Cresol	ND	10.2	8.93	88		9.30	91		30-130	4		20
2-Methylnaphthalene	ND	10.2	5.35	52		4.90	48		40-140	9		20
1,2,4,5-Tetrachlorobenzene	ND	10.2	4.38	43		3.59	35	Q	40-140	20		20
Hexachlorocyclopentadiene	ND	10.2	3.05	30	Q	2.38	23	Q	40-140	25	Q	20
2,4,6-Trichlorophenol	ND	10.2	8.73	86		9.06	89		30-130	4		20
2,4,5-Trichlorophenol	ND	10.2	9.30	91		9.34	92		30-130	0		20
Biphenyl	ND	10.2	6.64	65		6.59	65		40-140	1		20
2-Chloronaphthalene	ND	10.2	5.61	55		5.11	50		40-140	9		20
2-Nitroaniline	ND	10.2	9.92	97		10.0	98		40-140	1		20
Acenaphthylene	ND	10.2	7.24	71		7.00	69		40-140	3		20
Dimethylphthalate	ND	10.2	9.52	93		9.40	92		40-140	1		20
2,6-Dinitrotoluene	ND	10.2	9.70	95		9.66	95		40-140	0		20
Acenaphthene	ND	10.2	6.68	66		6.41	63		40-140	4		20
3-Nitroaniline	ND	10.2	8.36	82		8.38	82		40-140	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG923180-4 WG923180-5 QC Sample: L1625236-03 Client ID: SW1B-20160810												
2,4-Dinitrophenol	ND	10.2	8.89	87		9.13	90		30-130	3		20
Dibenzofuran	ND	10.2	7.17	70		6.88	67		40-140	4		20
2,3,4,6-Tetrachlorophenol	ND	10.2	9.22	90		9.04	89		30-130	2		20
2,4-Dinitrotoluene	ND	10.2	10.1	99		10.0	98		40-140	1		20
4-Nitrophenol II	ND	10.2	4.32	42 ✓		4.29	42 ✓		30-130	1		20
Fluorene	ND	10.2	7.80	76		7.45	73		40-140	5		20
4-Chlorophenyl phenyl ether	ND	10.2	6.79	66		6.22	61		40-140	9		20
Diethylphthalate	ND	10.2	10.1	99		9.69	95		40-140	4		20
4-Nitroaniline	ND	10.2	9.67	95		9.29	91		40-140	4		20
4,6-Dinitro-2-Methylphenol	ND	10.2	9.55	94		9.42	92		30-130	1		20
Azobenzene	ND	10.2	8.23	81		8.22	81		40-140	0		20
NitrosoDiPhenylAmine(NDPA)/DPA	ND	10.2	9.26	91		9.30	91		40-140	0		20
4-Bromophenyl phenyl ether	ND	10.2	7.42	73		7.28	71		40-140	2		20
Hexachlorobenzene	ND	10.2	8.03	79		8.22	81		40-140	2		20
Atrazine	ND	10.2	9.50	93		9.31	91		40-140	2		20
Pentachlorophenol	ND	10.2	8.51	83		9.16	90		30-130	7		20
Phenanthrene	ND	10.2	8.34	82		8.70	85		40-140	4		20
Anthracene	ND	10.2	8.84	87		8.89	87		40-140	1		20
Carbazole	ND	10.2	9.58	94		9.59	94		40-140	0		20
Di-n-butylphthalate	ND	10.2	10.3	101		10.1	99		40-140	2		20
Fluoranthene	ND	10.2	9.27	91		9.55	94		40-140	3		20

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER GLENS FALLS OU-2
Project Number: E50593-01.01

Lab Number: L1625236
Report Date: 08/19/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG923180-4 WG923180-5 QC Sample: L1625236-03 Client ID: SW1B-20160810												
Benzidine SSS PR	ND	25.5	0.942J	4 ✓	Q	2.93J	12 ✓	Q	40-140	103 ✓	Q	20
Pyrene	ND	10.2	9.78	96		9.95	98		40-140	2		20
Butylbenzylphthalate	0.232J	10.2	9.93	97		9.95	98		40-140	0		20
3,3'-Dichlorobenzidine	ND	10.2	6.29	62		6.68	66		40-140	6		20
Benz(a)anthracene	ND	10.2	9.69	95		9.68	95		40-140	0		20
Chrysene	ND	10.2	9.35	92		9.48	93		40-140	1		20
Bis(2-Ethylhexyl)phthalate	0.222J	10.2	10.2	100		10.0	98		40-140	2		20
Di-n-octylphthalate	ND	10.2	9.61	94		9.26	91		40-140	4		20
Benzo(b)fluoranthene	ND	10.2	9.76	96		9.67	95		40-140	1		20
Benzo(k)fluoranthene	ND	10.2	9.46	93		9.47	93		40-140	0		20
Benzo(a)pyrene	ND	10.2	9.26	91		9.39	92		40-140	1		20
Indeno(1,2,3-cd)Pyrene	ND	10.2	9.56	94		9.84	96		40-140	3		20
Dibenz(a,h)anthracene	ND	10.2	9.56	94		10.2	100		40-140	6		20
Benzo(ghi)perylene	ND	10.2	9.44	92		9.55	94		40-140	1		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	100		101		15-115
2-Fluorobiphenyl	77		76		30-130
2-Fluorophenol	44		45		15-115
Nitrobenzene-d5	83		86		30-130
Phenol-d5	31		30		15-115

LDC #: 36958A2Q

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Reviewer: FT
2nd Reviewer: Q

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?

Y N N/A Were the LCS/LCSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	WG923180-LCS/D	~~OOO~~	53 (60-140)	53 (60-140)	( )	all	J/UJ/P NDtDet
		RRR	45 ( )	44 ( )	( )		
		A	35 ( )	32 ( )	( )		
		D	47 ( )	38 ( )	( )		
		E	49 ( )	40 ( )	( )		
		F	52 ( )	44 ( )	( )		
		K	36 ( )	27 ( )	( )		
		PPP	31 ( )	27 ( )	( )		
		R	57 ( )	49 ( )	( )		
		U	36 ( )	28 ( )	( )		
		MMMM	29 ( )	27 ( )	( )		
		X	41 ( )	35 ( )	( )		
		II	50 ( )	44 ( )	( )		
		SSS	14 (✓)	31 (✓)	( )		
		SSS	( )	( )	76 (30)	✓	✓
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

LDC#: 36958A2a

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GCMS SVOA (EPA SW 846 Method 8270D)

Compound	Concentration (ug/L)		(≤50) RPD
	6	11	
MMMM	0.232	0.245	5
AAA	0.259	0.294	13
EEE	0.237	0.845	112

V:\FIELD DUPLICATES\36958A2a.wpd

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Mohican Street, Glen Falls, NY

LDC Report Date: September 12, 2016

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: Stage 2B

Laboratory: Alpha Analytical, Inc.

Sample Delivery Group (SDG): L1625236

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
EB 20160811	L1625236-01	Water	08/11/16
SW-1A-20160810	L1625236-02	Water	08/10/16
SW-1B-20160810	L1625236-03	Water	08/10/16
SW-1C-20160810	L1625236-04	Water	08/10/16
SW-2A-20160810	L1625236-05	Water	08/10/16
SW-2B-20160810	L1625236-06	Water	08/10/16
SW-2C-20160810	L1625236-07	Water	08/10/16
SW-3A-20160810	L1625236-08	Water	08/10/16
SW-3B-20160810	L1625236-09	Water	08/10/16
SW-3C-20160810	L1625236-10	Water	08/10/16
DUP-20160810	L1625236-11	Water	08/10/16
SW-1B-20160810MS	L1625236-03MS	Water	08/10/16
SW-1B-20160810MSD	L1625236-03MSD	Water	08/10/16

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Quality Assurance Project Plan for Former Mohican Street Manufactured Gas Plan-Operable Unit 2 (November 2015) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Superfund Organic Methods Data Review (June 2008). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Polynuclear Aromatic Hydrocarbons (PAHs) by Environmental Protection Agency (EPA) SW 846 Method 8270D in Selected Ion Monitoring (SIM) mode

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

A decafluorotriphenylphosphine (DFTPP) tune was performed at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For compounds where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 20.0%.

Average relative response factors (RRF) for all compounds were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all compounds.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all compounds.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

Sample EB 20160811 was identified as an equipment blank. No contaminants were found with the following exceptions:

Blank ID	Compound	Concentration (ng/L)
EB 20160811	Naphthalene 2-Methylnaphthalene Phenanthrene Fluoranthene	3.44 1.48 4.79 1.69

VII. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VIII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits.

IX. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

X. Field Duplicates

Samples SW-2B-20160810 and DUP-20160810 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Compound	Concentration (ng/L)		RPD (Limits)
	SW-2B-20160810	DUP-20160810	
Fluorene	2.02	2.15	6 (≤50)
Phenanthrene	5.15	4.85	6 (≤50)
Fluoranthene	4.96	4.27	15 (≤50)
Pyrene	3.66	3.18	14 (≤50)
Chrysene	1.43	1.03	33 (≤50)
Benzo(k)fluoranthene	1.26	1.22U	Not calculable
Benzo(a)pyrene	1.06	0.875U	Not calculable
Indeno(1,2,3-cd)pyrene	1.02	0.673	41 (≤50)

Compound	Concentration (ng/L)		RPD (Limits)
	SW-2B-20160810	DUP-20160810	
Naphthalene	1.90U	3.32	Not calculable
2-Methylnaphthalene	1.14U	1.42	Not calculable

XI. Internal Standards

All internal standard areas and retention times were within QC limits.

XII. Compound Quantitation

Raw data were not reviewed for Stage 2B validation.

XIII. Target Compound Identifications

Raw data were not reviewed for Stage 2B validation.

XIV. System Performance

Raw data were not reviewed for Stage 2B validation.

XV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the data validation all results are considered valid and usable for all purposes.

Mohican Street, Glen Falls, NY
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG L1625236

No Sample Data Qualified in this SDG

Mohican Street, Glen Falls, NY
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG L1625236

No Sample Data Qualified in this SDG

LDC #: 36958A2b

VALIDATION COMPLETENESS WORKSHEET

SDG #: L1625236

Stage 2B

Laboratory: Alpha Analytical, Inc.

Date: 8/30/16

Page: 1 of 1

Reviewer: EZ

2nd Reviewer: CA

METHOD: GC/MS Polynuclear Aromatic Hydrocarbons (EPA SW 846 Method 8270D-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/A	%RSD ≤ 20 ICV ≤ 30
IV.	Continuing calibration	A	CCV ≤ 20
V.	Laboratory Blanks	A	
VI.	Field blanks	SW	EB=1
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	A	
IX.	Laboratory control samples	A	LCS 1D
X.	Field duplicates	SW	D= 6,11
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	N	
XIII.	Target compound identification	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	EB 20160811	L1625236-01	Water	08/11/16
2	SW1A-20160810	L1625236-02	Water	08/10/16
3	SW1B-20160810	L1625236-03	Water	08/10/16
4	SW1C-20160810	L1625236-04	Water	08/10/16
5	SW2A-20160810	L1625236-05	Water	08/10/16
6	SW2B-20160810 D	L1625236-06	Water	08/10/16
7	SW2C-20160810	L1625236-07	Water	08/10/16
8	SW3A-20160810	L1625236-08	Water	08/10/16
9	SW3B-20160810	L1625236-09	Water	08/10/16
10	SW3C-20160810	L1625236-10	Water	08/10/16
11	DUP-20160810 D	L1625236-11	Water	08/10/16
12	SW1B-20160810MS	L1625236-03MS	Water	08/10/16
13	SW1B-20160810MSD	L1625236-03MSD	Water	08/10/16

WG923129-MB

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

A. Phenol	AA. 2-Chloronaphthalene	AAA. Butylbenzylphthalate	AAAA. Dibenzothiophene	A1.
B. Bis (2-chloroethyl) ether	BB. 2-Nitroaniline	BBB. 3,3'-Dichlorobenzidine	BBBB. Benzo(a)fluoranthene	B1.
C. 2-Chlorophenol	CC. Dimethylphthalate	CCC. Benzo(a)anthracene	CCCC. Benzo(b)fluorene	C1.
D. 1,3-Dichlorobenzene	DD. Acenaphthylene	DDD. Chrysene	DDDD. cis/trans-Decalin	D1.
E. 1,4-Dichlorobenzene	EE. 2,6-Dinitrotoluene	EEE. Bis(2-ethylhexyl)phthalate	EEEE. Biphenyl	E1.
F. 1,2-Dichlorobenzene	FF. 3-Nitroaniline	FFF. Di-n-octylphthalate	FFFF. Retene	F1.
G. 2-Methylphenol	GG. Acenaphthene	GGG. Benzo(b)fluoranthene	GGGG. C30-Hopane	G1.
H. 2,2'-Oxybis(1-chloropropane)	HH. 2,4-Dinitrophenol	HHH. Benzo(k)fluoranthene	HHHH. 1-Methylphenanthrene	H1.
I. 4-Methylphenol	II. 4-Nitrophenol	III. Benzo(a)pyrene	IIII. 1,4-Dioxane	I1.
J. N-Nitroso-di-n-propylamine	JJ. Dibenzofuran	JJJ. Indeno(1,2,3-cd)pyrene	JJJJ. Acetophenone	J1.
K. Hexachloroethane	KK. 2,4-Dinitrotoluene	KKK. Dibenz(a,h)anthracene	KKKK. Atrazine	K1.
L. Nitrobenzene	LL. Diethylphthalate	LLL. Benzo(g,h,i)perylene	LLLL. Benzaldehyde	L1.
M. Isophorone	MM. 4-Chlorophenyl-phenyl ether	MMM. Bis(2-Chloroisopropyl)ether	MMMM. Caprolactam	M1.
N. 2-Nitrophenol	NN. Fluorene	NNN. Aniline	NNNN. 2,6-Dichlorophenol	N1.
O. 2,4-Dimethylphenol	OO. 4-Nitroaniline	OOO. N-Nitrosodimethylamine	OOOO. 2,6-Dinitrotoluene	O1.
P. Bis(2-chloroethoxy)methane	PP. 4,6-Dinitro-2-methylphenol	PPP. Benzoic Acid	PPPP. 3-Methylphenol	P1.
Q. 2,4-Dichlorophenol	QQ. N-Nitrosodiphenylamine	QQQ. Benzyl alcohol	QQQQ. 3&4 Methylphenol	Q1.
R. 1,2,4-Trichlorobenzene	RR. 4-Bromophenyl-phenylether	RRR. Pyridine	RRRR. 4-Dimethyldibenzothiphene (4MDT)	R1.
S. Naphthalene	SS. Hexachlorobenzene	SSS. Benzidine	SSSS. 2/3-Dimethyldibenzothiophene (4MDT)	S1.
T. 4-Chloroaniline	TT. Pentachlorophenol	TTT. 1-Methylnaphthalene	TTTT. 1-Methyldibenzothiophene (1MDT)	T1.
U. Hexachlorobutadiene	UU. Phenanthrene	UUU.Benzo(b)thiophene	UUUU.	U1.
V. 4-Chloro-3-methylphenol	VV. Anthracene	VVV.Benzonaphthothiophene	VVVV.	V1.
W. 2-Methylnaphthalene	WW. Carbazole	WWW.Benzo(e)pyrene	WWWW.	W1.
X. Hexachlorocyclopentadiene	XX. Di-n-butylphthalate	XXX. 2,6-Dimethylnaphthalene	XXXX.	X1.
Y. 2,4,6-Trichlorophenol	YY. Fluoranthene	YYY. 2,3,5-Trimethylnaphthalene	YYYY.	Y1.
Z. 2,4,5-Trichlorophenol	ZZ. Pyrene	ZZZ. Perylene	ZZZZ.	Z1.

LDC #: 3695BA2b

VALIDATION FINDINGS WORKSHEET
Field Blanks

Page: 1 of 1
Reviewer: FT
2nd reviewer:

METHOD: GC/MS SVOA (EPA SW 846 Method 8270D-SIM)

Y N N/A Were field blanks identified in this SDG?
Y N N/A Were target compounds detected in the field blanks?

Sample: #1 (EB) Field Blank / Trip Blank / Rinsate (circle one)

Compound	Concentration Units (ng/L)
S	3.44
W	1.48
UU	4.79
YY	1.69

Sample: _____ Field Blank / Trip Blank / Rinsate (circle one)

Compound	Concentration Units ( )

Sample: _____ Field Blank / Trip Blank / Rinsate (circle one)

Compound	Concentration Units ( )

Sample: _____ Field Blank / Trip Blank / Rinsate (circle one)

Compound	Concentration Units ( )

LDC#: 36958A2b

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GCMS PAH (EPA SW 846 Method 8270D SIM)

Compound	Concentration (ng/L)		(≤50)
	6	11	RPD
NN	2.02	2.15	6
UU	5.15	4.85	6
YY	4.96	4.27	15
ZZ	3.66	3.18	14
DDD	1.43	1.03	33
HHH	1.26	1.22U	NC
III	1.06	0.875U	NC
JJJ	1.02	0.673	41
S	1.90U	3.32	NC
W	1.14U	1.42	NC

V:\FIELD DUPLICATES\36958A2b.wpd

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Mohican Street, Glen Falls, NY

LDC Report Date: September 12, 2016

Parameters: Wet Chemistry

Validation Level: Stage 2B

Laboratory: Alpha Analytical, Inc.

Sample Delivery Group (SDG): L1625236

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
EB 20160811	L1625236-01	Water	08/11/16
SW-1A-20160810	L1625236-02	Water	08/10/16
SW-1B-20160810	L1625236-03	Water	08/10/16
SW-1C-20160810	L1625236-04	Water	08/10/16
SW-2A-20160810	L1625236-05	Water	08/10/16
SW-2B-20160810	L1625236-06	Water	08/10/16
SW-2C-20160810	L1625236-07	Water	08/10/16
SW-3A-20160810	L1625236-08	Water	08/10/16
SW-3B-20160810	L1625236-09	Water	08/10/16
SW-3C-20160810	L1625236-10	Water	08/10/16
DUP-20160810	L1625236-11	Water	08/10/16
SW-1B-20160810MS	L1625236-03MS	Water	08/10/16
SW-1B-20160810DUP	L1625236-03DUP	Water	08/10/16

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Quality Assurance Project Plan for Former Mohican Street Manufactured Gas Plan-Operable Unit 2 (November 2015) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines (CLPNFG) for Inorganic Superfund Data Review (January 2010). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Dissolved Organic Carbon and Total Organic Carbon by Standard Method 5310C
Total Suspended Solids by Standard Method 2540D

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met.

II. Initial Calibration

All criteria for the initial calibration of each method were met.

III. Continuing Calibration

Continuing calibration frequency and analysis criteria were met for each method when applicable.

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the methods. No contaminants were found in the laboratory blanks.

V. Field Blanks

Sample EB 20160811 was identified as an equipment blank. No contaminants were found with the following exceptions:

Blank ID	Analyte	Concentration (mg/L)
EB 20160811	Total organic carbon Dissolved organic carbon	0.620 0.32

VI. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
SW-1B-20160810MS (SW-1A-20160810 SW-1B-20160810 SW-1C-20160810 SW-2A-20160810 SW-2B-20160810 SW-2C-20160810 SW-3A-20160810 SW-3B-20160810 SW-3C-20160810 DUP-20160810)	Total organic carbon	123 (80-120)	-	J (all detects)	A

Relative percent differences (RPD) were within QC limits.

VII. Duplicate Sample Analysis

Duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits.

IX. Field Duplicates

Samples SW-2B-20160810 and DUP-20160810 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Analyte	Concentration (mg/L)		RPD (Limits)
	SW-2B-20160810	DUP-20160810	
Total organic carbon	3.41	3.55	4 (≤50)
Dissolved organic carbon	3.7	3.6	3 (≤50)

X. Sample Result Verification

Raw data were not reviewed for Stage 2B validation.

XI. Overall Assessment of Data

The analysis was conducted within all specifications of the methods. No results were rejected in this SDG.

Due to MS/MSD %R, data were qualified as estimated in ten sample.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the data validation all other results are considered valid and usable for all purposes.

Mohican Street, Glen Falls, NY
Wet Chemistry - Data Qualification Summary - SDG L1625236

Sample	Analyte	Flag	A or P	Reason
SW-1A-20160810 SW-1B-20160810 SW-1C-20160810 SW-2A-20160810 SW-2B-20160810 SW-2C-20160810 SW-3A-20160810 SW-3B-20160810 SW-3C-20160810 DUP-20160810	Total organic carbon	J (all detects)	A	Matrix spike/Matrix spike duplicate (%R)

Mohican Street, Glen Falls, NY
Wet Chemistry - Laboratory Blank Data Qualification Summary - SDG L1625236

No Sample Data Qualified in this SDG

LDC #: 36958A6 **VALIDATION COMPLETENESS WORKSHEET** Date: 9/6/16
SDG #: L1625236 Stage 2B Page: 1 of 1
Laboratory: Alpha Analytical, Inc. Reviewer: JD
2nd Reviewer: a

METHOD: (Analyte) Dissolved Organic Carbon, Total Organic Carbon, (SM 5310C), Total Suspended Solids (SM 2540C) 8

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	8/10-11/16
II	Initial calibration	A	
III.	Calibration verification	A	
IV	Laboratory Blanks	A	
V	Field blanks	SW	EB=(1)
VI.	Matrix Spike/Matrix Spike Duplicates	SW	MS=(12)
VII.	Duplicate sample analysis	A	DUP
VIII.	Laboratory control samples	A	LCS
IX.	Field duplicates	SW	FD=(6,11)
X.	Sample result verification	N	
XI	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	EB 20160811	L1625236-01	Water	08/11/16
2	SW1A-20160810	L1625236-02	Water	08/10/16
3	SW1B-20160810	L1625236-03	Water	08/10/16
4	SW1C-20160810	L1625236-04	Water	08/10/16
5	SW2A-20160810	L1625236-05	Water	08/10/16
6	SW2B-20160810	L1625236-06	Water	08/10/16
7	SW2C-20160810	L1625236-07	Water	08/10/16
8	SW3A-20160810	L1625236-08	Water	08/10/16
9	SW3B-20160810	L1625236-09	Water	08/10/16
10	SW3C-20160810	L1625236-10	Water	08/10/16
11	DUP-20160810	L1625236-11	Water	08/10/16
12	SW1B-20160810MS TOC, DOC	L1625236-03MS	Water	08/10/16
13	SW1B-20160810DUP All	L1625236-03DUP	Water	08/10/16
14				
15				
16				

Notes:

LDC #: 36858A6

VALIDATION FINDINGS WORKSHEET
Sample Specific Analysis Reference

Reviewer: JD
2nd reviewer: ON

All circled methods are applicable to each sample.

Sample ID	Parameter
1-11	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN (TOC) Cr6+ ClO_4 (DOC) (TSS)
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
QC:12	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN (TOC) Cr6+ ClO_4 (DOC)
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
QC:13	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN (TOC) Cr6+ ClO_4 (DOC) (TSS)
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4
	pH TDS Cl F NO_3 NO_2 SO_4 O-PO_4 Alk CN NH_3 TKN TOC Cr6+ ClO_4

Comments:

LDC #: 36958A6

VALIDATION FINDINGS WORKSHEET
Field Blanks

Page: 1 of 1
Reviewer: SD
2nd reviewer: CW

METHOD: Trace Metals (EPA CLP SOW ILM02.1)

Y N N/A Were field blanks identified in this SDG?
Y N N/A Were target analytes detected in the field blanks?

Sample: 1 Field Blank / Trip Blank / Rinsate / Other EB (circle one)

Analyte	Concentration Units (mg/l)
TOC	0.620
DOC	0.32

Sample: _____ Field Blank / Trip Blank / Rinsate / Other_____ (circle one)

Analyte	Concentration Units ( )

LDC #: 36958A6

VALIDATION FINDINGS WORKSHEET
Matrix Spike

Page: 1 of 1
Reviewer: SD
2nd Reviewer: G

METHOD: Inorganics, See Cover

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a matrix spike analyzed for each matrix in this SDG?

Y N N/A Were matrix spike percent recoveries (%R) within the control limits of 75-125? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.

LEVEL IV ONLY:

Y N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	MS ID	Matrix	Analyte	MS %Recovery	Associated Samples	Qualifications
	12	W	TOC	123 (80-120)	2-11*	Jdet/A (det)

Comments: *EB not associated due to different matrix

LDC#: 36958A6 **VALIDATION FINDINGS WORKSHEET** Page: 1 of 1
Field Duplicates Reviewer: SD
2nd Reviewer:

Inorganics, Method See Cover

Analyte	Concentration (mg/L)		RPD (≤50)
	6	11	
TOC	3.41	3.55	4
DOC	3.7	3.6	3

\\LDCFILESERVER\Validation\FIELD DUPLICATES\FD_inorganic\36958A6.wpd

The attached zipped file contains two files:

File	Format	Description
1) Readme_Mohican_091216.doc	MS Word 2003	A "Readme" file (this document).
2) LDC36958_L1625236_VEDD_20160906.xlsx	MS Excel 2007	A spreadsheet for the following SDG(s): L1625236 36958A

No discrepancies were observed between the hardcopy data packages and the electronic data deliverables during EDD population of validation qualifiers. A 100% verification of the EDD was not performed.

Please contact Christina Rink at (760) 827-1100 if you have any questions regarding this electronic data submittal.

LDC #: 36958

EDD POPULATION COMPLETENESS WORKSHEET

Anchor

Date: 9/9/14

2nd Reviewer:

The LDC job number listed above was entered by K.

	EDD Process	Y/N	Init	Comments/Action
I.	EDD Completeness	-		
Ia.	- All methods present?	Y	K	
Ib.	- All samples present/match report?	Y	K	
Ic.	- All reported analytes present?	Y	K	
Id	-10% verification of EDD?	Y	K	
II.	EDD Preparation/Entry	-		
IIa.	- QC Level applied? (EPAStage2B or EPAStage4)	Y	K	
IIb.	- Laboratory EMPC qualified results qualified (J with reason code 23)?	N/A		
III.	Reasonableness Checks	-		
IIIa.	- Do all qualified ND results have ND qualifier (i.e. UJ)?	Y	K	
IIIb.	- Do all qualified detect results have detect qualifier (i.e. J)?	Y	K	
IIIc.	- If reason codes used, do all qualified results have reason code field populated, and vice versa?	Y	K	
IIId.	- Do blank concentrations in report match EDD, where data was qualified due to blank?	Y	K	
IIIe.	- Were any results reported above calibration range? If so, were results qualified appropriately?	N/NA		
IIIf.	- Are all results marked reportable "Yes" unless rejected for overall assessment in the data validation report?	Y	K	
IIIg.	-Are there any lab "R" qualified data? / Are the entry columns blank for these results?	N/NA		
IIIh.	- Is the detect flag set to "N" for all "U" qualified blank results?	Y	K	

Notes: *see readme